

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057705.D
 Acq On : 5 Sep 2019 18:54
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 1:10:32 PM

Quant Time: Sep 06 03:25:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 02:20:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	211719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	346570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	324232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	179231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	263555	55.33	ug/l	0.00
Spiked Amount			Recovery	=	110.66%	
35) Dibromofluoromethane	7.57	113	161436	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
50) Toluene-d8	10.08	98	611722	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.40	95	247350	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	167568	50.294	ug/l	100
3) Chloromethane	2.04	50	198800	57.752	ug/l	100
4) Vinyl Chloride	2.17	62	143713	50.886	ug/l	100
5) Bromomethane	2.54	94	65188	41.080	ug/l	100
6) Chloroethane	2.68	64	84031	44.311	ug/l	100
7) Trichlorofluoromethane	3.00	101	232129	45.049	ug/l	100
8) Diethyl Ether	3.39	74	95994	53.273	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	144670	50.539	ug/l	100
10) Methyl Iodide	3.93	142	149330	45.190	ug/l	100
11) Tert butyl alcohol	4.75	59	141542	264.786	ug/l	100
12) 1,1-Dichloroethene	3.72	96	129206	52.078	ug/l	100
13) Acrolein	3.59	56	67689	242.579	ug/l	100
14) Allyl chloride	4.30	41	300806	53.231	ug/l	100
15) Acrylonitrile	4.96	53	383944	279.832	ug/l	100
16) Acetone	3.79	43	386058	234.641	ug/l	100
17) Carbon Disulfide	4.03	76	302060	52.025	ug/l	100
18) Methyl Acetate	4.30	43	206914	48.169	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	549843	53.067	ug/l	100
20) Methylene Chloride	4.53	84	165406	52.021	ug/l	100
21) trans-1,2-Dichloroethene	5.02	96	139306	51.957	ug/l	100
22) Diisopropyl ether	5.93	45	626656	51.884	ug/l	100
23) Vinyl Acetate	5.87	43	2701899	297.250	ug/l	100
24) 1,1-Dichloroethane	5.83	63	322272	52.757	ug/l	100
25) 2-Butanone	6.81	43	572673	263.367	ug/l	100
26) 2,2-Dichloropropane	6.80	77	280163	52.031	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	171882	53.286	ug/l	100
28) Bromochloromethane	7.18	49	154144	48.124	ug/l	100
29) Tetrahydrofuran	7.19	42	363361	274.130	ug/l	100
30) Chloroform	7.36	83	334767	51.596	ug/l	100
31) Cyclohexane	7.64	56	271849	50.568	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	286679	53.252	ug/l	100
36) 1,1-Dichloropropene	7.78	75	226491	52.090	ug/l	100
37) Ethyl Acetate	6.91	43	241555	54.472	ug/l	100
38) Carbon Tetrachloride	7.76	117	231458	52.184	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	249096	51.598	ug/l	100
40) Benzene	8.03	78	654441	51.745	ug/l	100
41) Methacrylonitrile	7.15	41	110974	59.983	ug/l	100
42) 1,2-Dichloroethane	8.11	62	308637	53.036	ug/l	100
43) Isopropyl Acetate	8.15	43	441660	54.215	ug/l	100
44) Trichloroethene	8.83	130	152545	50.388	ug/l	100
45) 1,2-Dichloropropane	9.11	63	188345	53.314	ug/l	100
46) Dibromomethane	9.20	93	121050	52.607	ug/l	100
47) Bromodichloromethane	9.40	83	260936	54.813	ug/l	100
48) Methyl methacrylate	9.19	41	224960	57.196	ug/l	100
49) 1,4-Dioxane	9.19	88	55431	995.376	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1278641	284.405	ug/l	100
52) Toluene	10.15	92	399833	51.039	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	268320	55.125	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	285384	53.741	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	161986	51.904	ug/l	100
56) Ethyl methacrylate	10.43	69	264813	55.204	ug/l	100
57) 1,3-Dichloropropane	10.70	76	285360	51.809	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	677767	397.584	ug/l	100
59) 2-Hexanone	10.75	43	910716	288.966	ug/l	100
60) Dibromochloromethane	10.90	129	167919	54.825	ug/l	100
61) 1,2-Dibromoethane	11.00	107	160878	52.644	ug/l	100
64) Tetrachloroethene	10.63	164	123360	43.965	ug/l	100
65) Chlorobenzene	11.43	112	416613	50.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153438	51.346	ug/l	100
67) Ethyl Benzene	11.51	91	829383	52.838	ug/l	100
68) m/p-Xylenes	11.62	106	574118	106.176	ug/l	100
69) o-Xylene	11.95	106	281736	52.286	ug/l	100
70) Styrene	11.96	104	490129	57.096	ug/l	100
71) Bromoform	12.13	173	101632	54.400	ug/l #	100
73) Isopropylbenzene	12.25	105	798953	37.165	ug/l	100
74) N-amyl acetate	12.07	43	406128	45.466	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	237577	40.769	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	195436m	39.703	ug/l	
77) Bromobenzene	12.53	156	172721	37.653	ug/l	100
78) n-propylbenzene	12.59	91	966122	41.197	ug/l	100
79) 2-Chlorotoluene	12.68	91	571732	39.517	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	677405	38.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	67175	46.488	ug/l	100
82) 4-Chlorotoluene	12.77	91	593094	43.272	ug/l	100
83) tert-Butylbenzene	12.99	119	563571	36.593	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	684184	42.700	ug/l	100
85) sec-Butylbenzene	13.17	105	785879	40.534	ug/l	100
86) p-Isopropyltoluene	13.29	119	680505	42.558	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	317437	50.275	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	316188	49.177	ug/l	100
89) n-Butylbenzene	13.62	91	670059	47.976	ug/l	100
90) Hexachloroethane	13.88	117	111158	39.067	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	318769	53.106	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50240	58.482	ug/l	100

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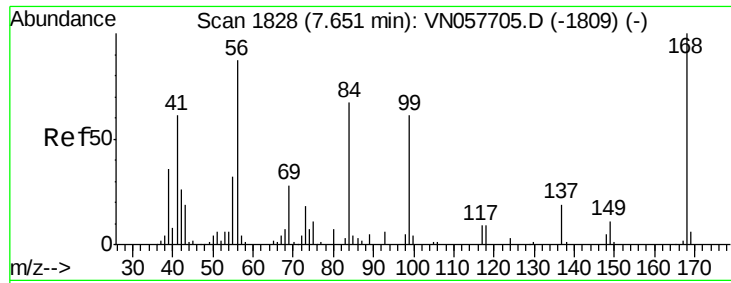
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	196697	89.530	ug/l	100
94) Hexachlorobutadiene	15.01	225	93745	38.580	ug/l	100
95) Naphthalene	15.13	128	562898	97.650	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	185885	90.598	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 211719

Ion Ratio Lower Upper

168 100

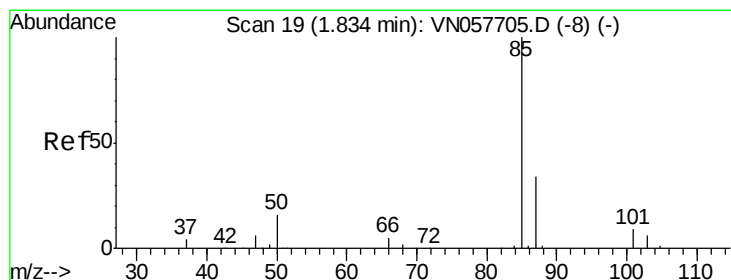
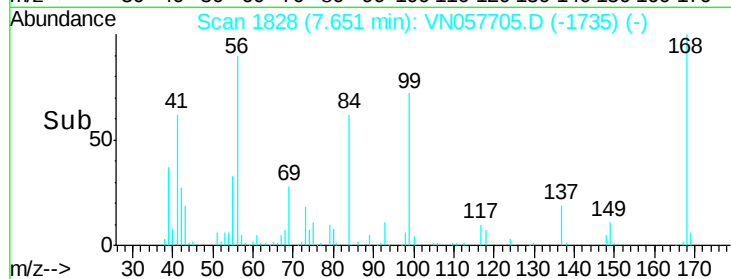
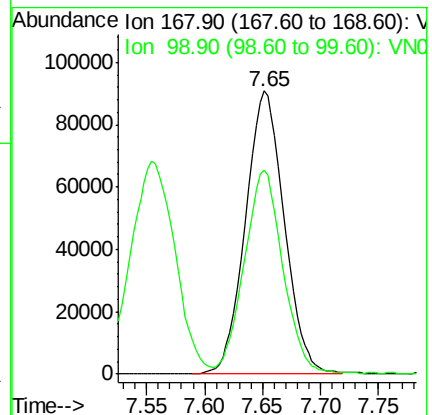
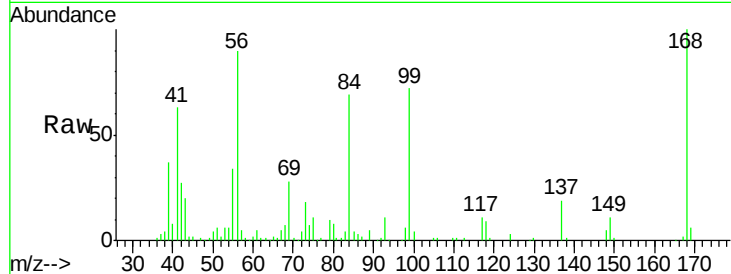
99 71.7 57.4 86.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.294 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057705.D

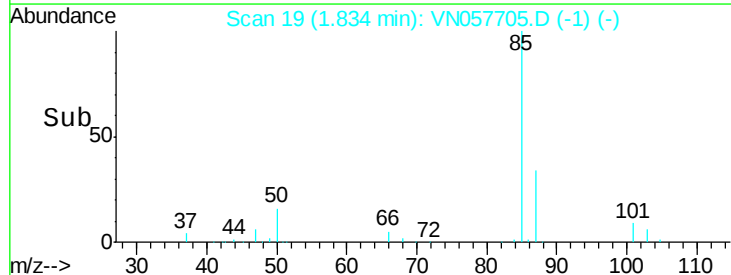
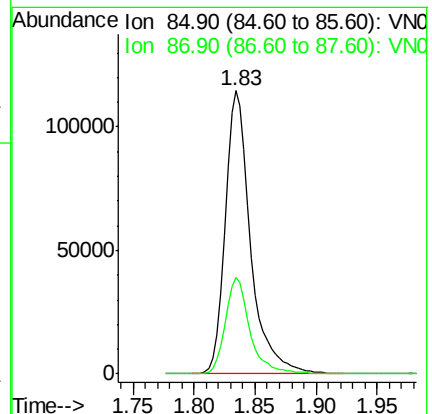
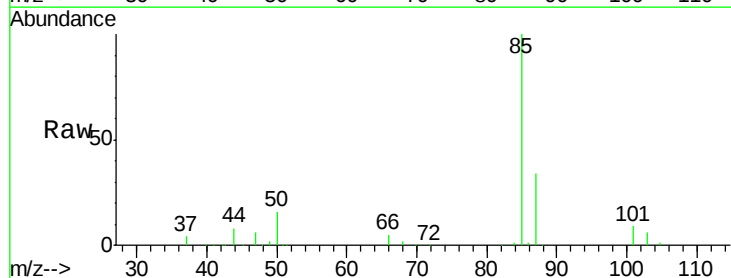
Acq: 5 Sep 2019 18:54

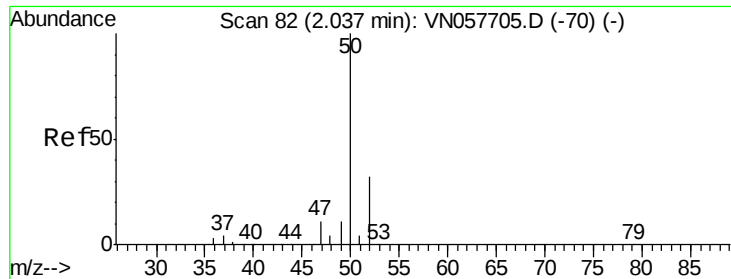
Tgt Ion: 85 Resp: 167568

Ion Ratio Lower Upper

85 100

87 34.0 17.0 51.0





#3

Chloromethane

Concen: 57.752 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 198800

Ion Ratio Lower Upper

50 100

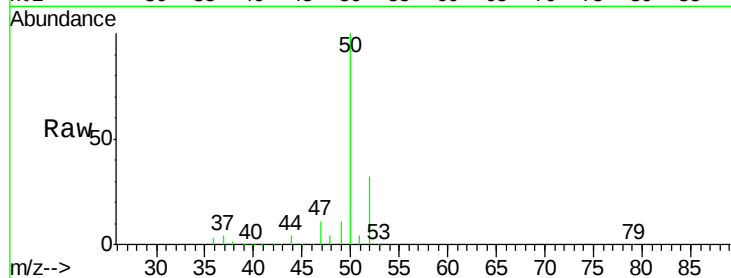
52 32.5 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

150000

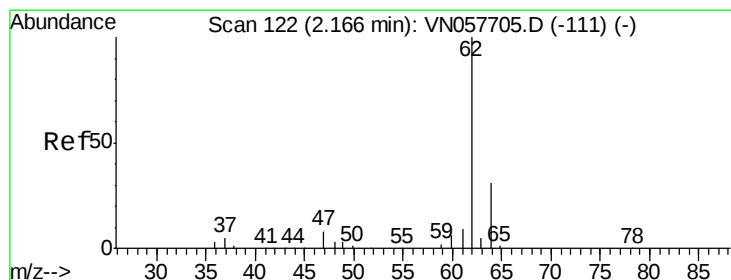
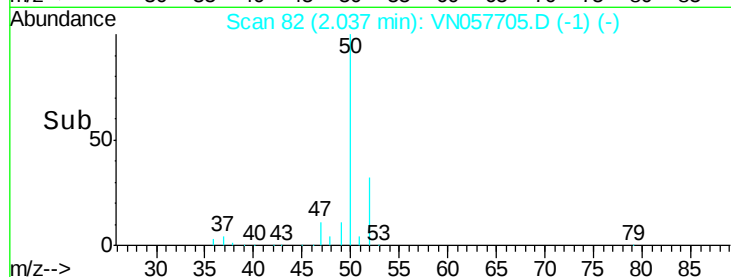
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50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 50.886 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN057705.D

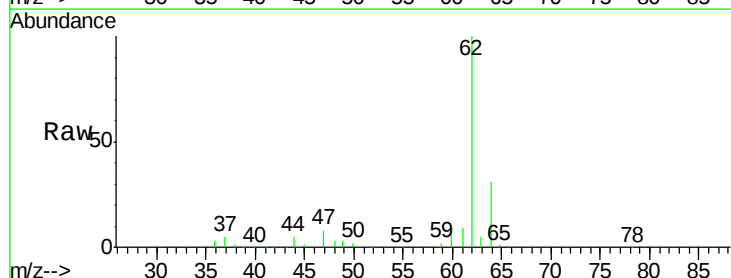
Acq: 5 Sep 2019 18:54

Tgt Ion: 62 Resp: 143713

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

100000

80000

60000

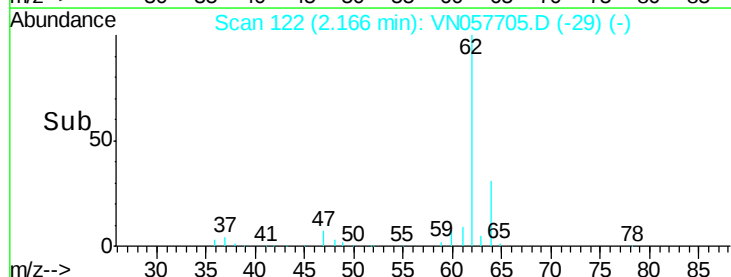
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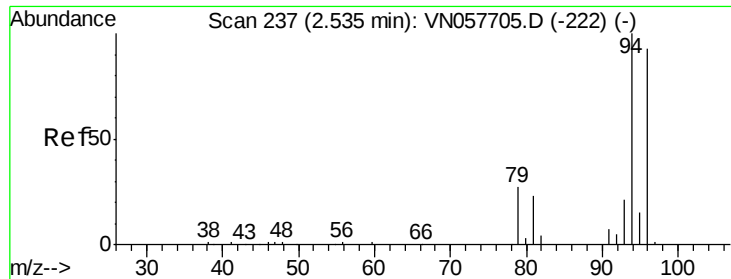
20000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 41.080 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Tot Ion: 94 Resp: 65188

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2

Instrument :

MSVOA_N

ClientSampleId :

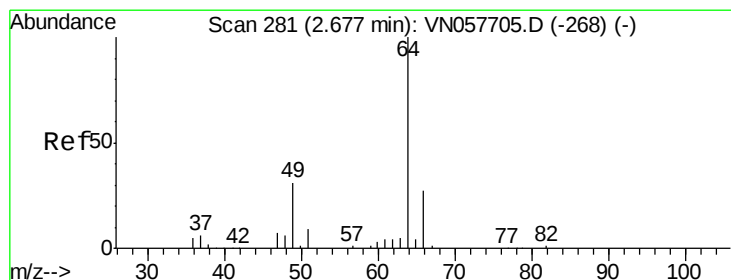
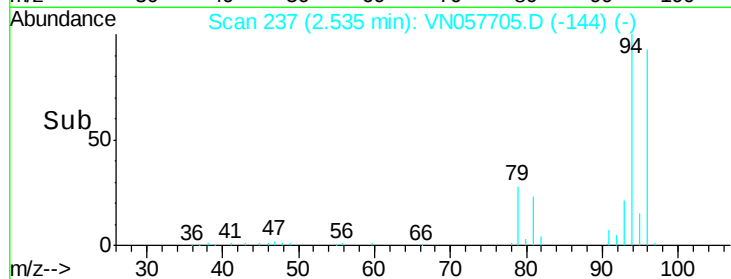
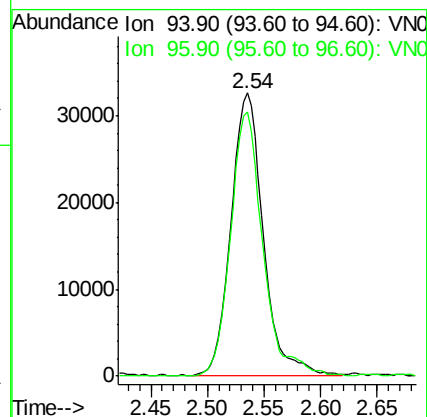
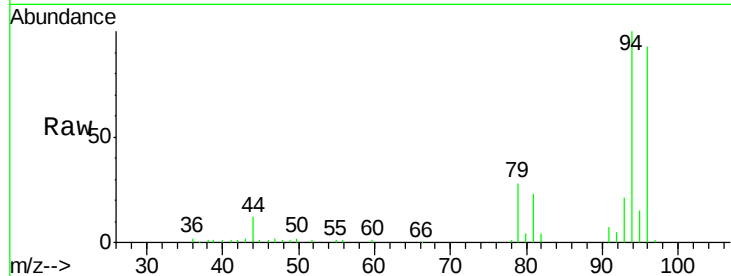
VSTDICCC050

Manual Integrations

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#6

Chloroethane

Concen: 44.311 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057705.D

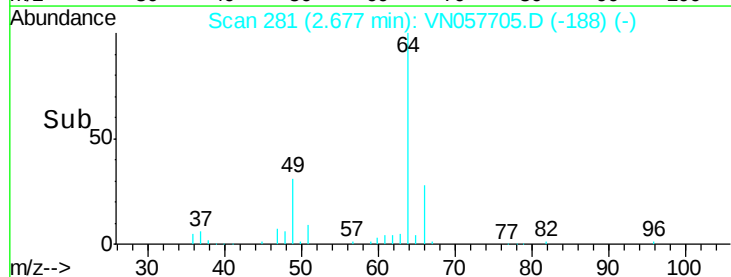
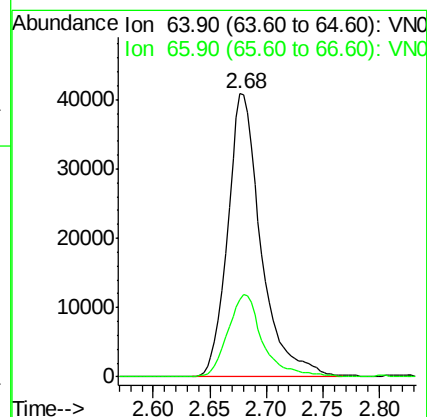
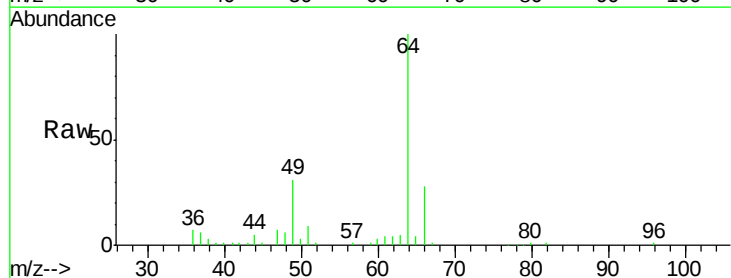
Acq: 5 Sep 2019 18:54

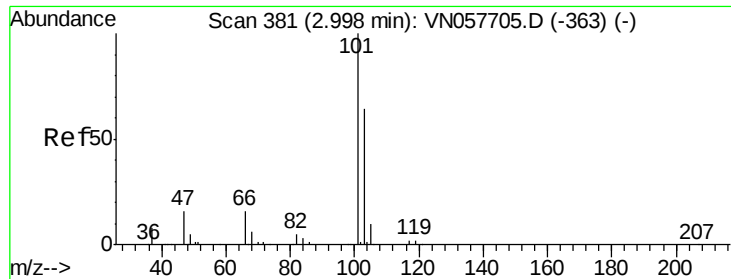
Tgt Ion: 64 Resp: 84031

Ion Ratio Lower Upper

64 100

66 27.5 22.0 33.0





#7

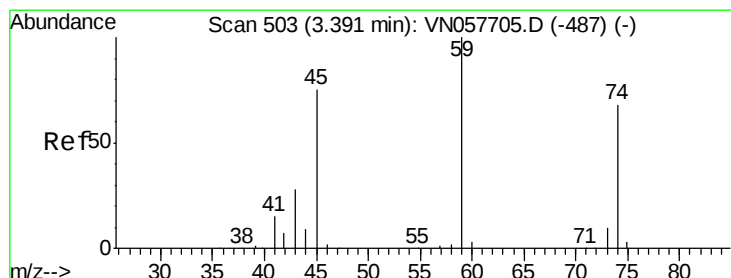
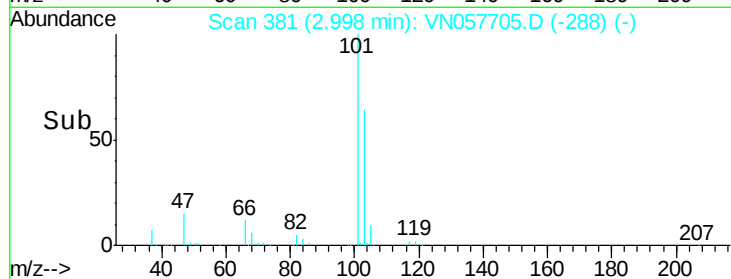
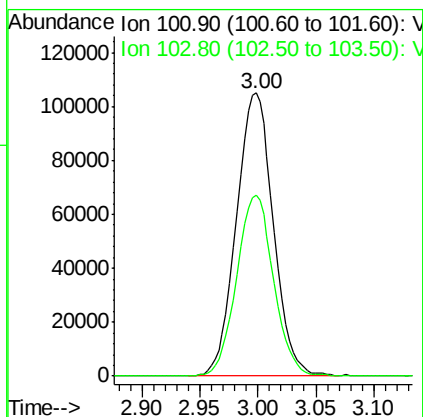
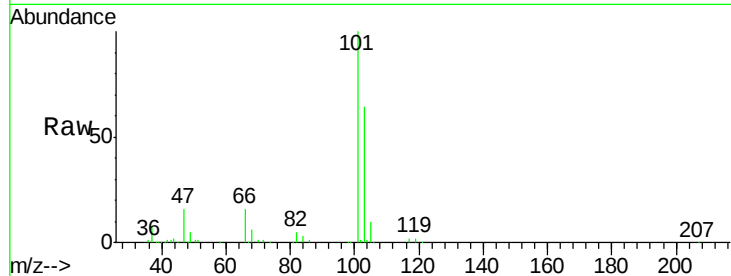
Trichlorofluoromethane
 Concen: 45.049 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.0

Manual Integrations
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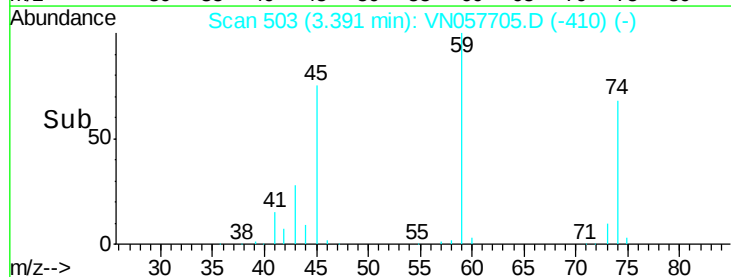
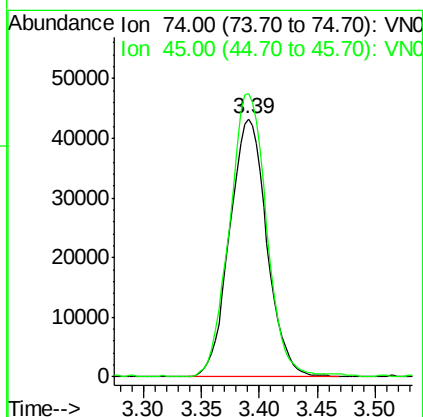
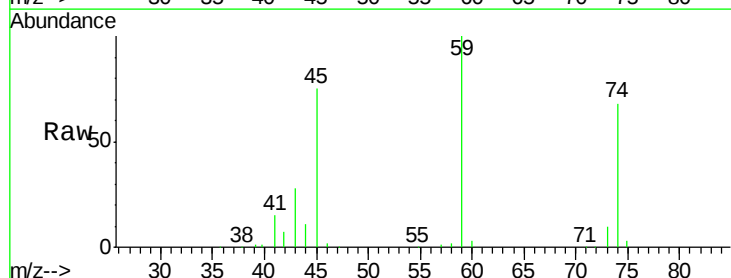
MMDadoda
 9/9/2019 1:10:32 PM

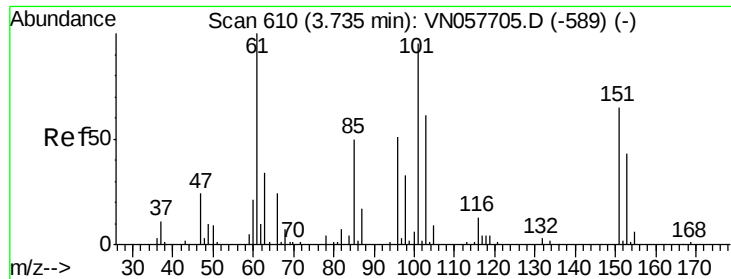


#8

Diethyl Ether
 Concen: 53.273 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.7	55.4	166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.539 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

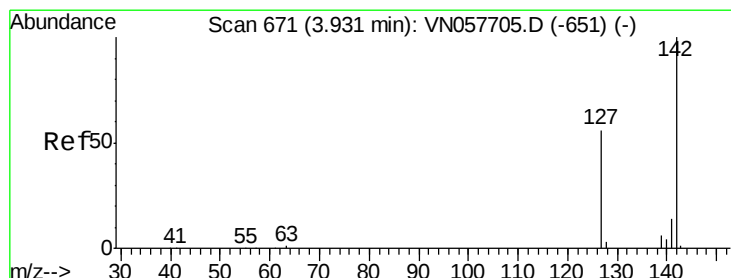
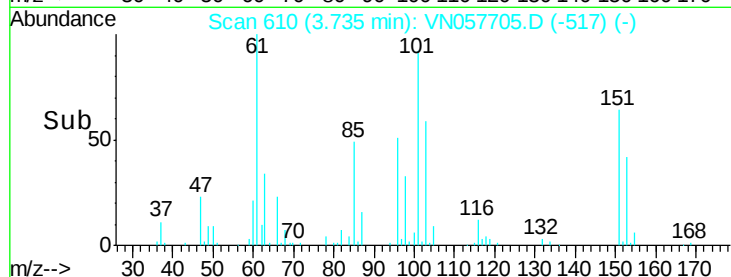
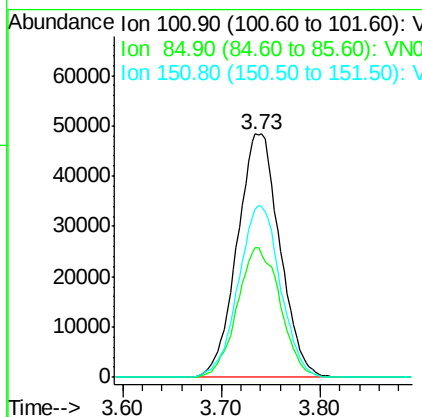
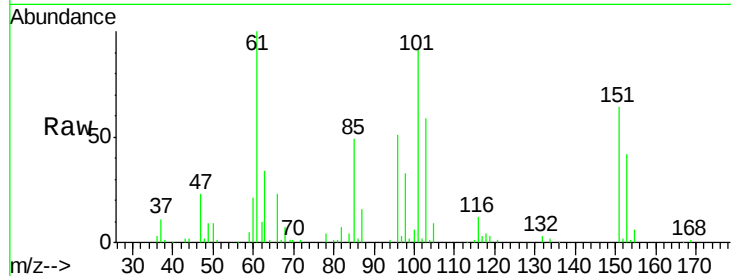
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	144670
Ion Ratio	Lower	Upper	
101	100		
85	53.5	42.8	64.2
151	69.4	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 45.190 ug/l

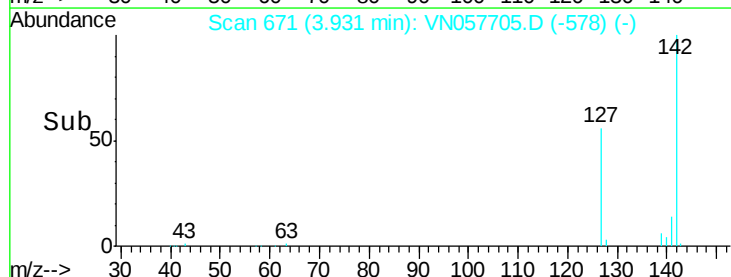
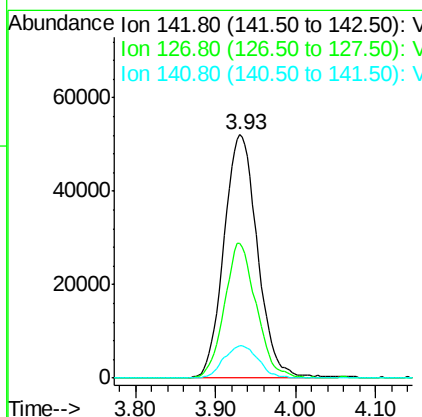
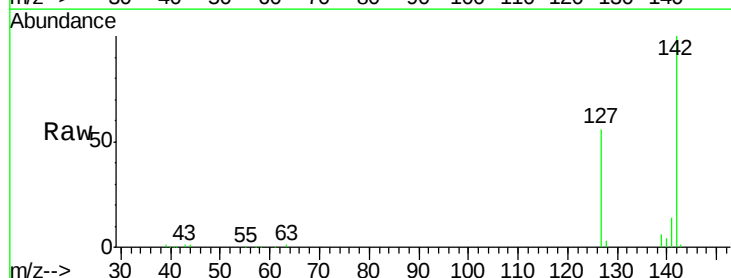
RT: 3.93 min Scan# 671

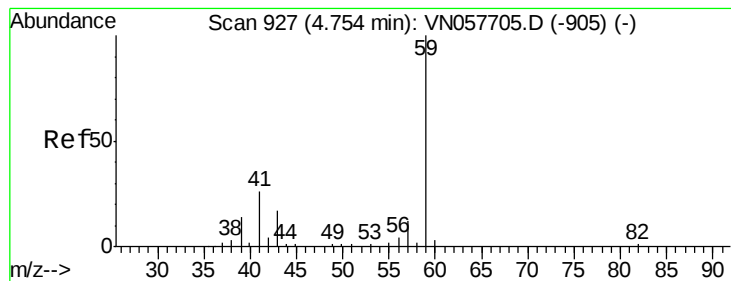
Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Tgt Ion:	142	Resp:	149330
Ion Ratio	Lower	Upper	
142	100		
127	52.6	42.1	63.1
141	13.7	11.0	16.4





#11

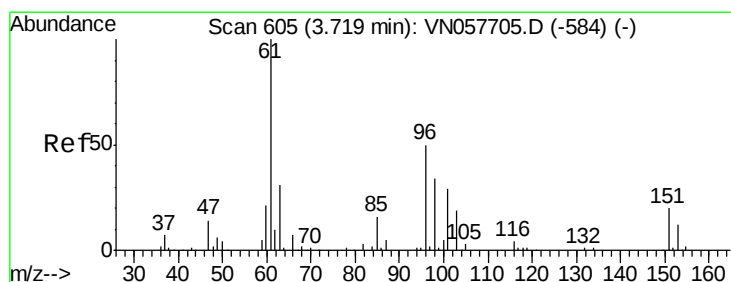
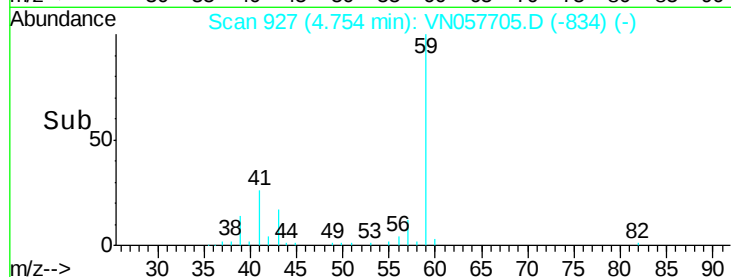
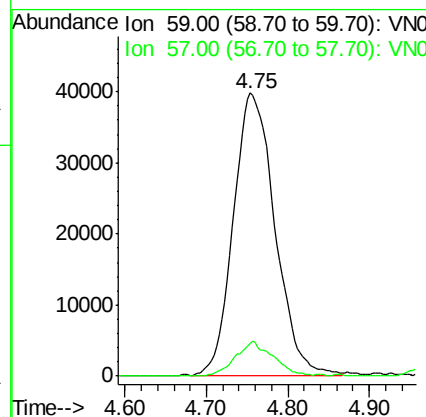
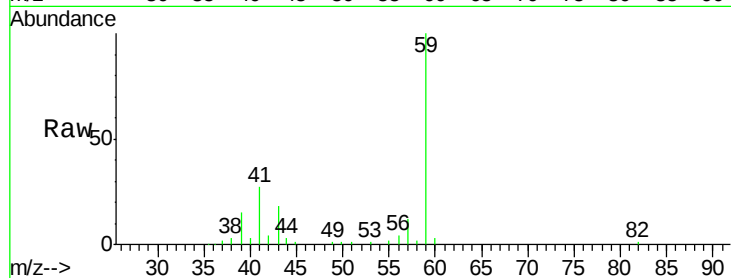
Tert butyl alcohol
 Concen: 264.786 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.9	13.3

Manual Integrations
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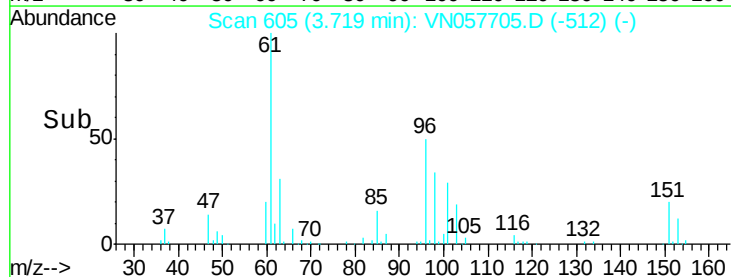
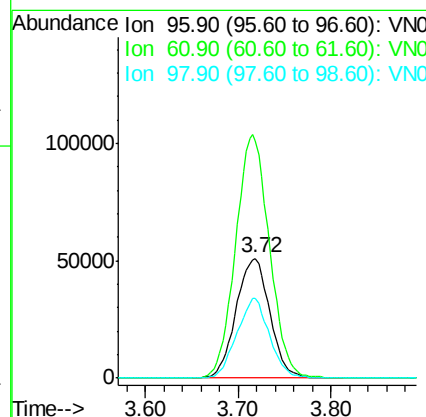
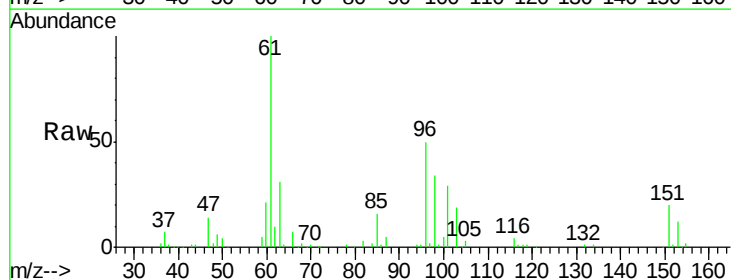
MMDadoda
 9/9/2019 1:10:32 PM

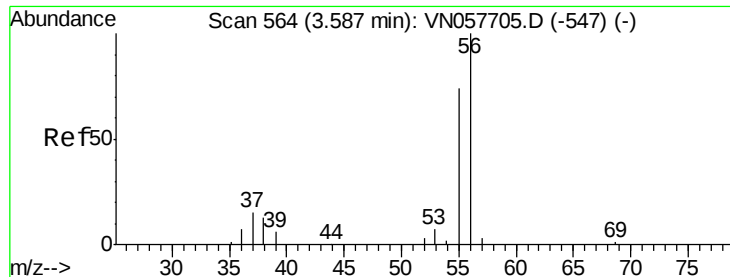


#12

1,1-Dichloroethene
 Concen: 52.078 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.4	158.7	238.1
98	67.3	53.8	80.8





#13

Acrolein

Concen: 242.579 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 67689

Ion Ratio Lower Upper

56 100

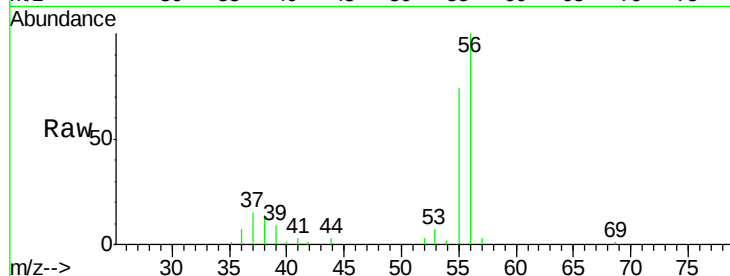
55 69.2 55.4 83.0

Manual Integrations

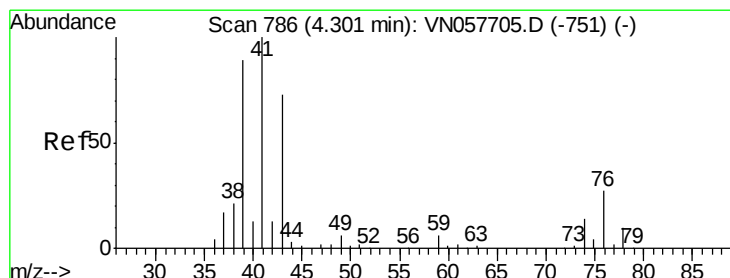
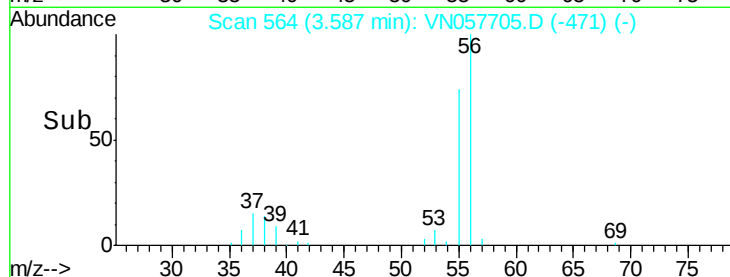
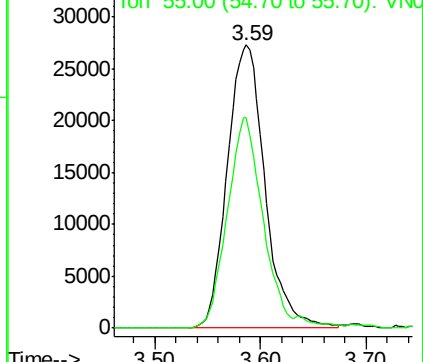
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Abundance Ion 56.00 (55.70 to 56.70): VN057705.D (-547) (-)



#14

Allyl chloride

Concen: 53.231 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

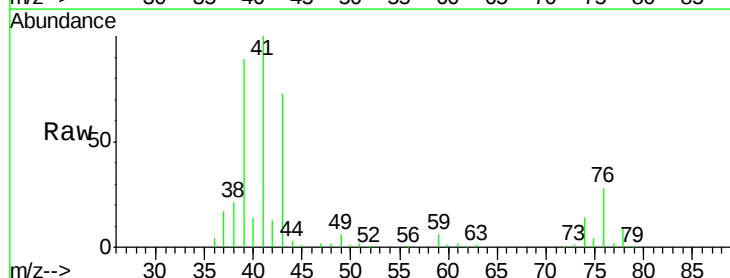
Tgt Ion: 41 Resp: 300806

Ion Ratio Lower Upper

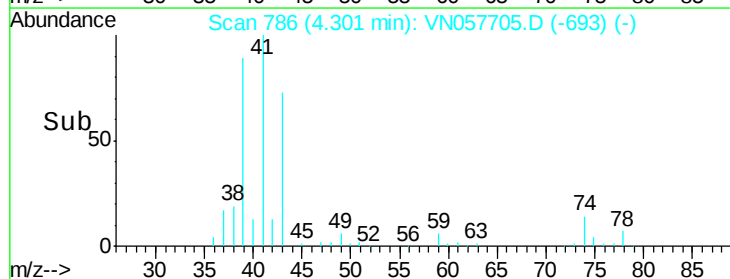
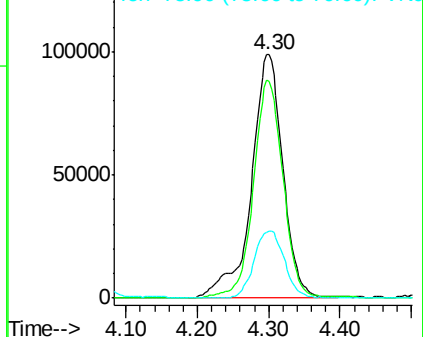
41 100

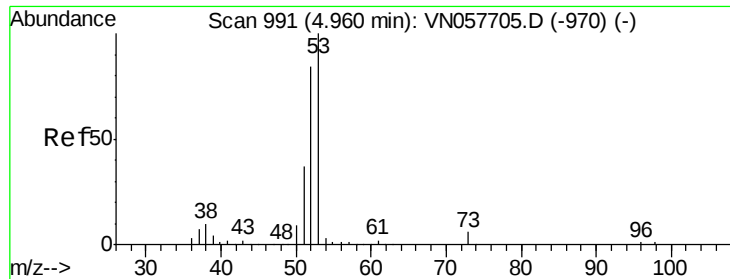
39 84.4 67.5 101.3

76 26.8 21.4 32.2



Abundance Ion 41.00 (40.70 to 41.70): VN057705.D (-751) (-)





#15

Acrylonitrile

Concen: 279.832 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

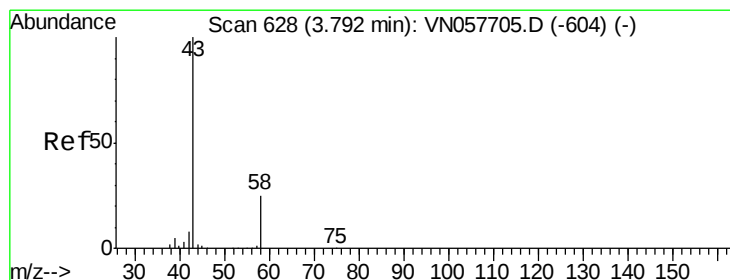
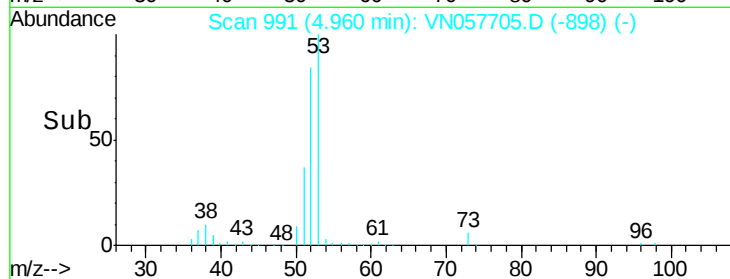
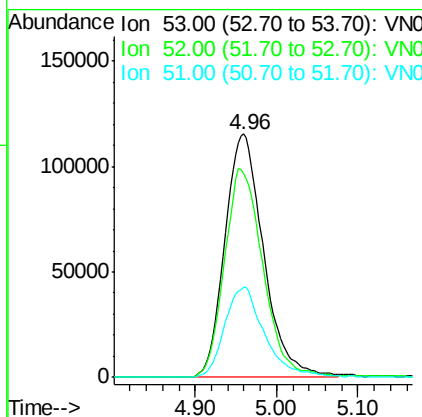
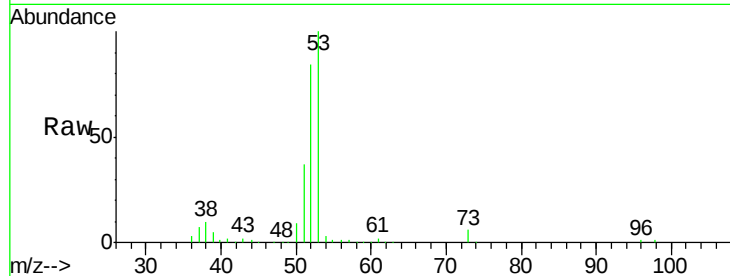
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	383944
Ion	Ratio	Lower	Upper
53	100		
52	85.1	68.1	102.1
51	38.0	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 234.641 ug/l

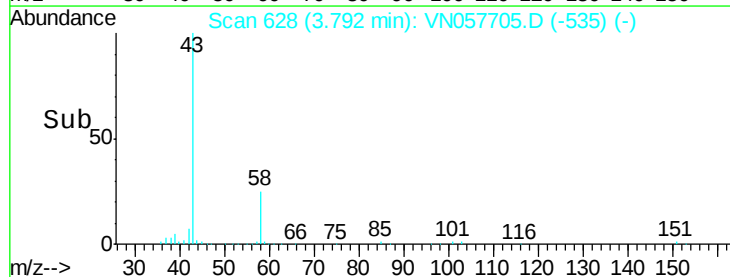
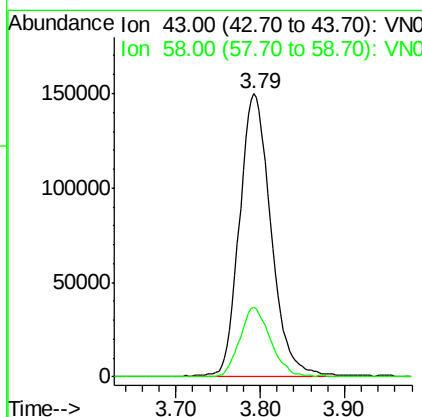
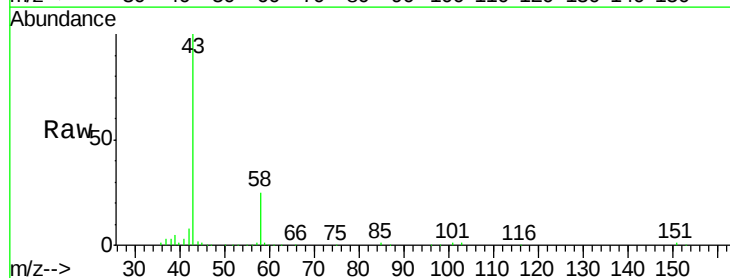
RT: 3.79 min Scan# 628

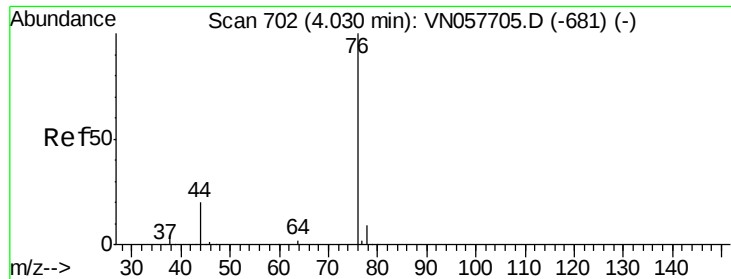
Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Tgt Ion:	43	Resp:	386058
Ion	Ratio	Lower	Upper
43	100		
58	24.8	19.8	29.8





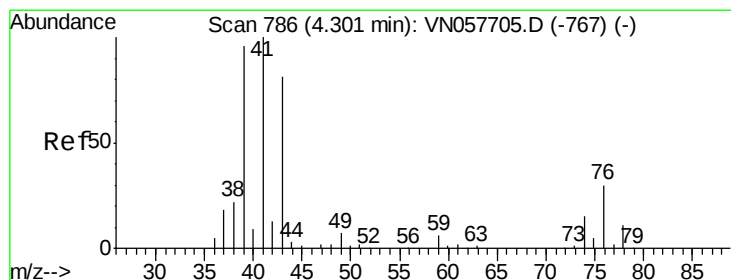
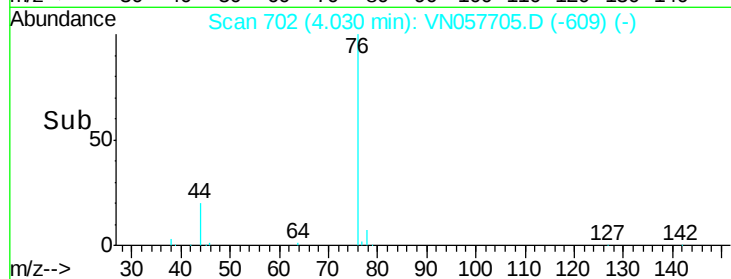
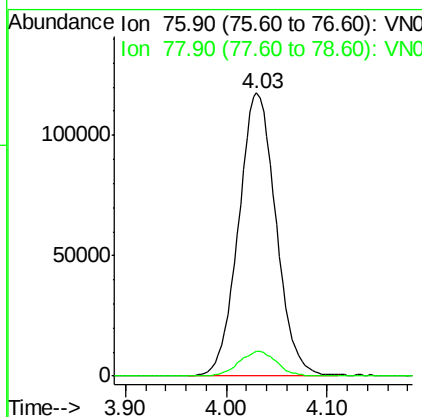
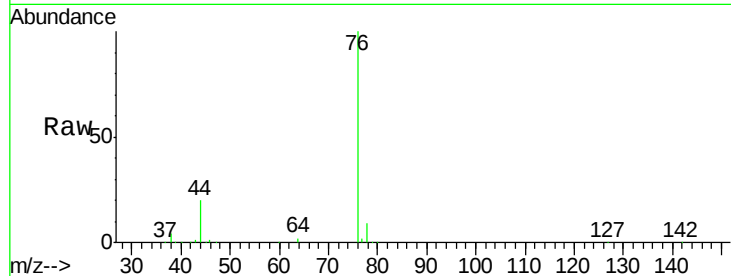
#17
Carbon Disulfide
Concen: 52.025 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

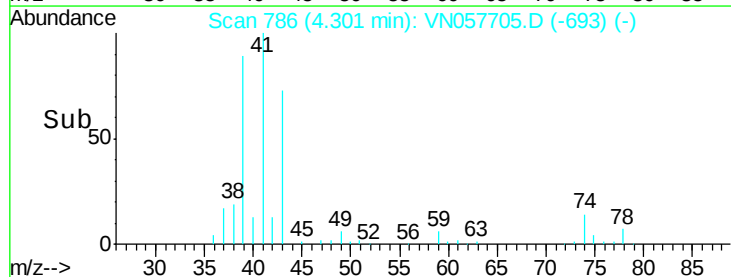
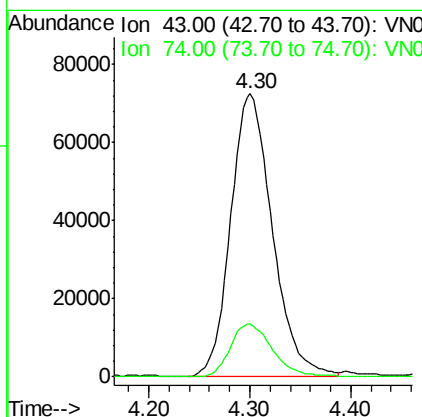
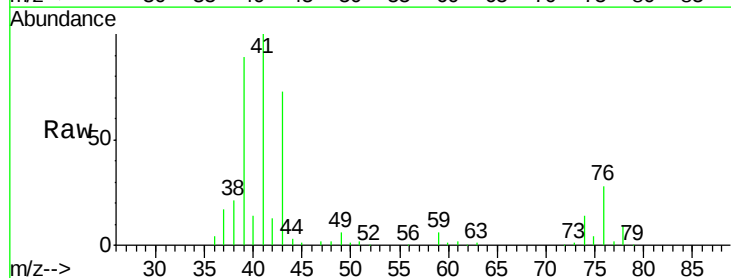
Manual Integrations
APPROVED

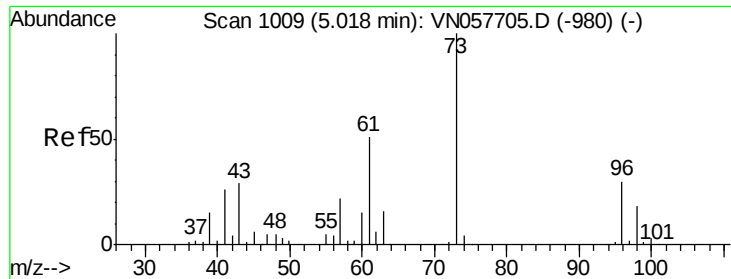
MMDadoda
9/9/2019 1:10:32 PM



#18
Methyl Acetate
Concen: 48.169 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	15.3	22.9





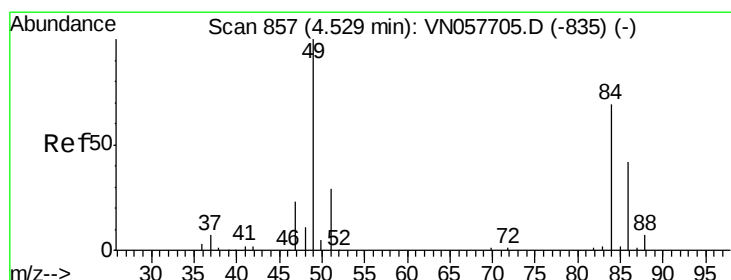
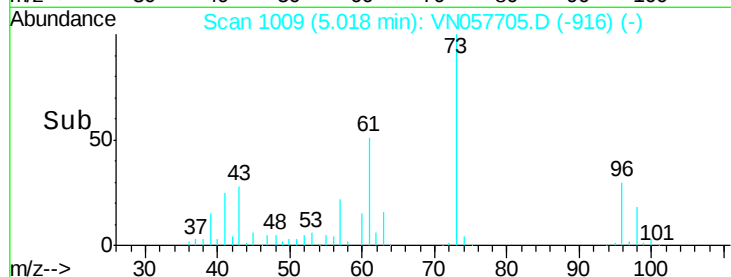
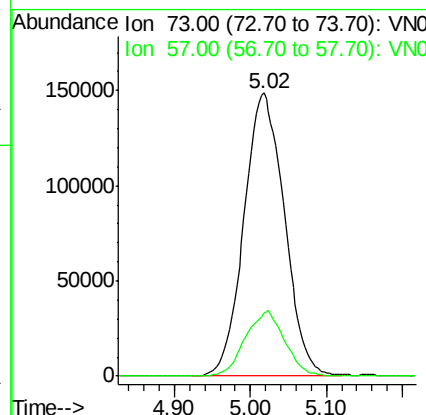
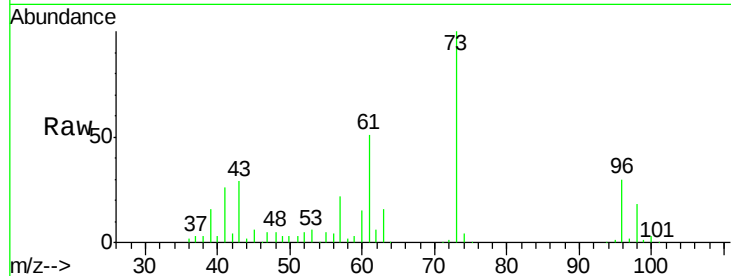
#19
Methvl tert-butvl Ether
Concen: 53.067 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 549843
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

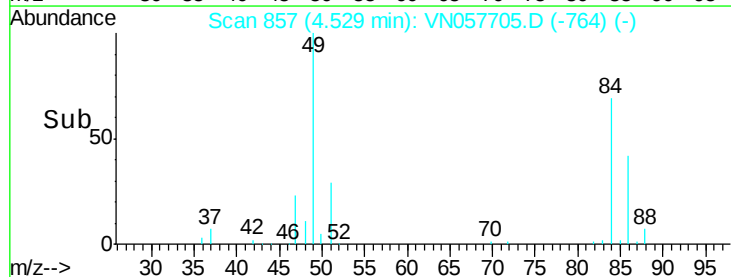
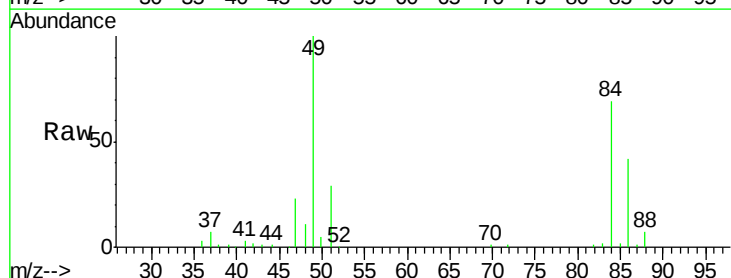
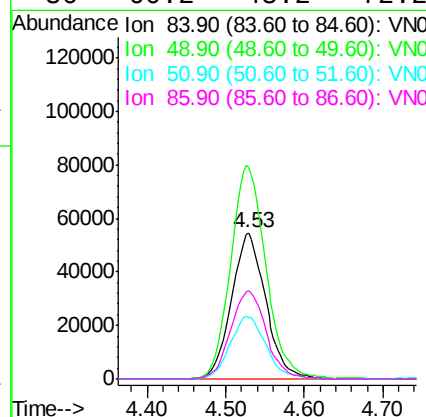
Manual Integrations
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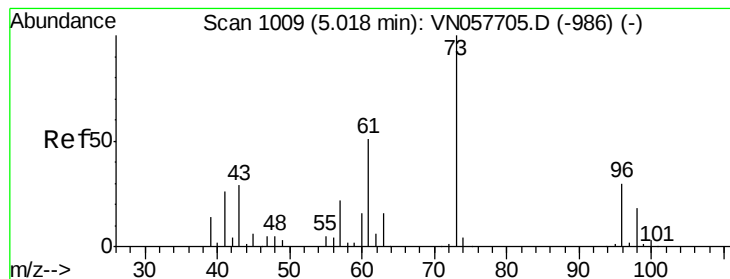
MMDadoda
9/9/2019 1:10:32 PM



#20
Methylene Chloride
Concen: 52.021 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion: 84 Resp: 165406
Ion Ratio Lower Upper
84 100
49 143.8 115.0 172.6
51 42.3 33.8 50.8
86 60.2 48.2 72.2





#21

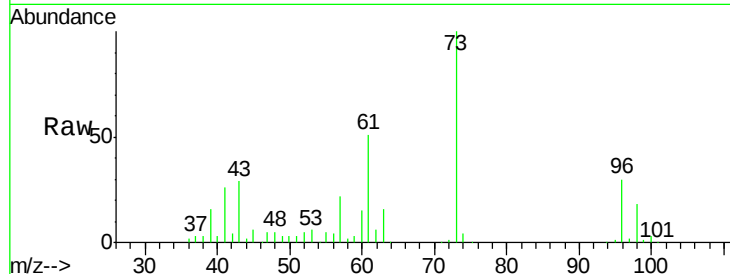
trans-1,2-Dichloroethene
Concen: 51.957 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.8	135.8	203.8
98	61.3	49.0	73.6

Manual Integrations
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9/9/2019 1:10:32 PM

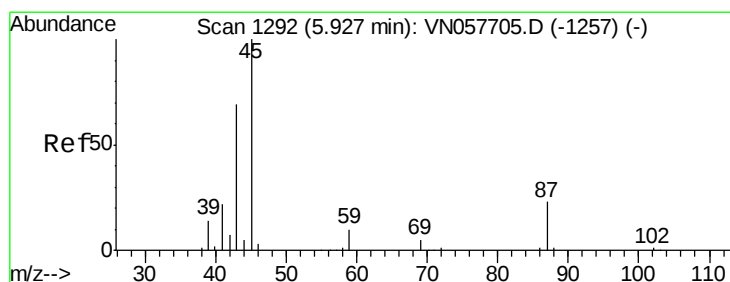
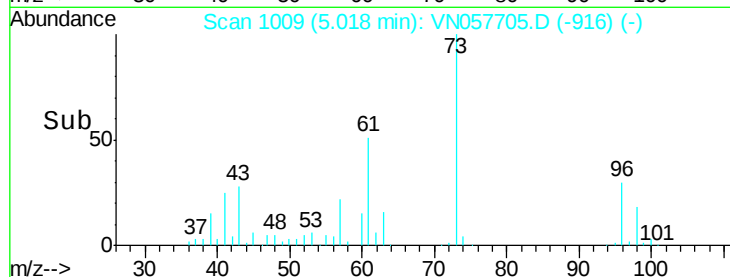
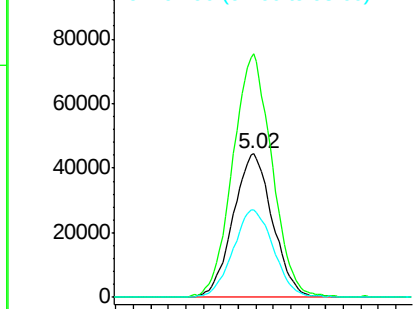


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

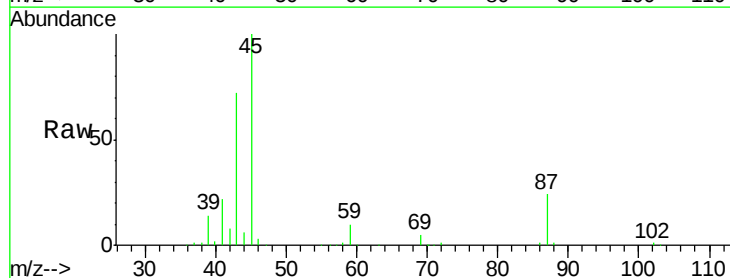
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether
Concen: 51.884 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.4	55.5	83.3
87	23.3	18.6	28.0
59	9.9	7.9	11.9



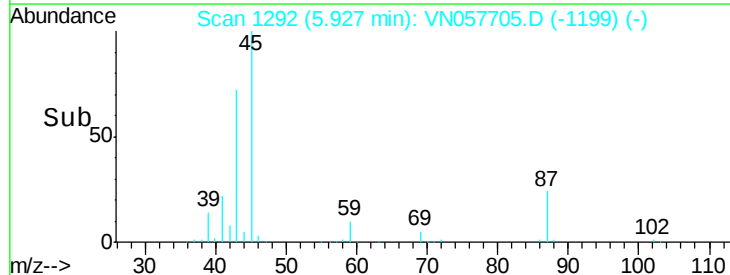
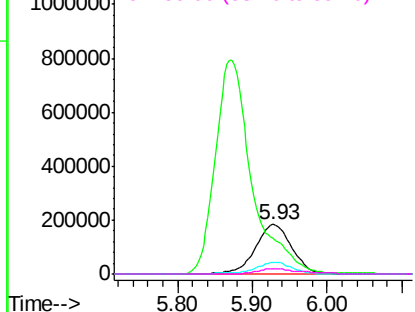
Abundance

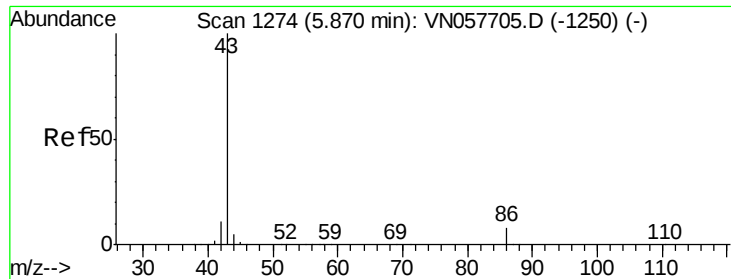
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





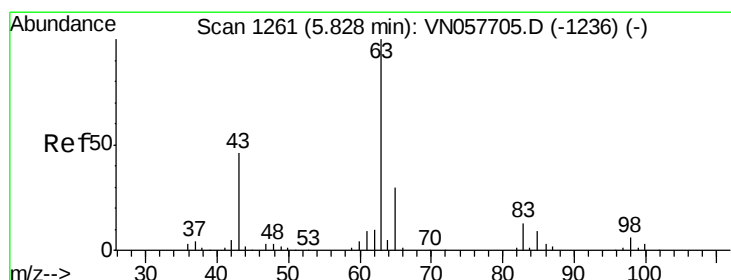
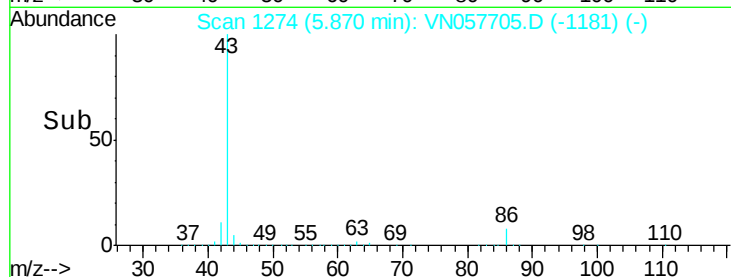
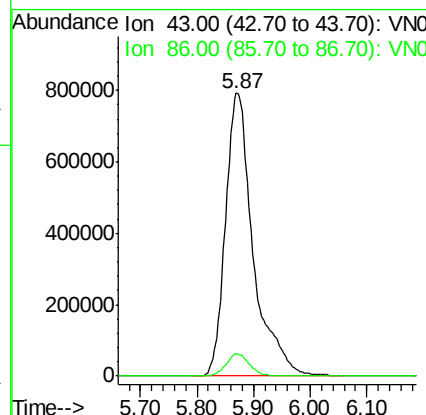
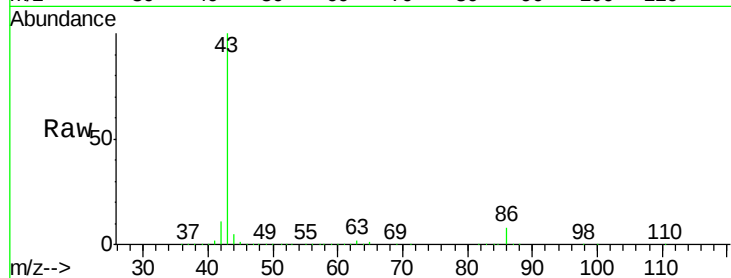
#23
 Vinyl Acetate
 Concen: 297.250 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2701899
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.2 9.4

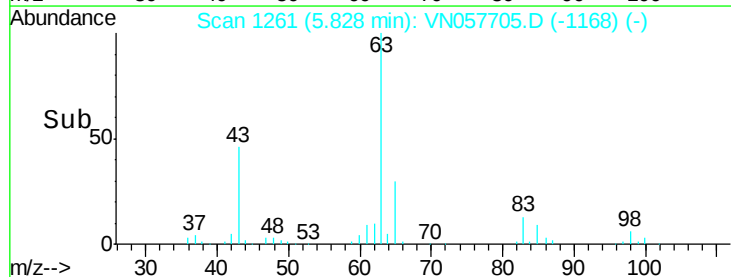
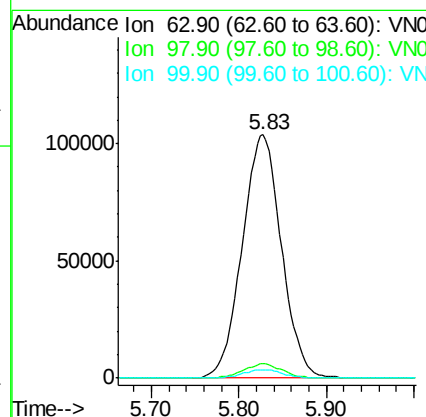
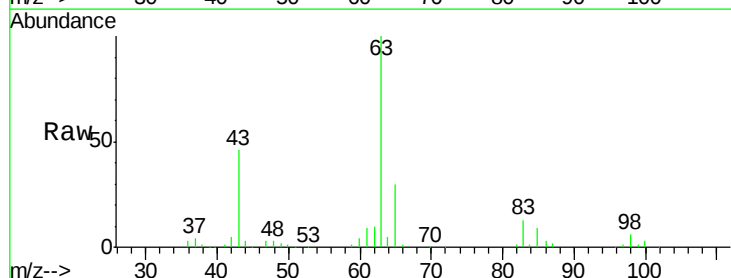
Manual Integrations
 APPROVED

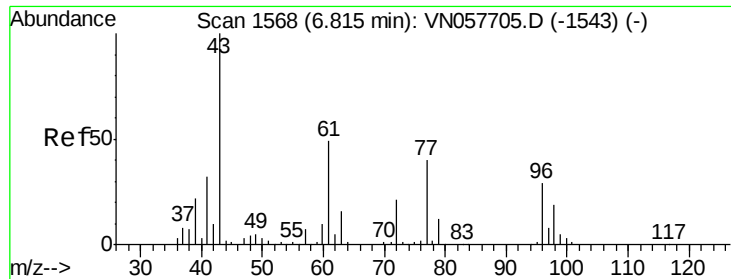
MMDadoda
 9/9/2019 1:10:32 PM



#24
 1,1-Dichloroethane
 Concen: 52.757 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion: 63 Resp: 322272
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.8
 100 3.3 1.7 5.0





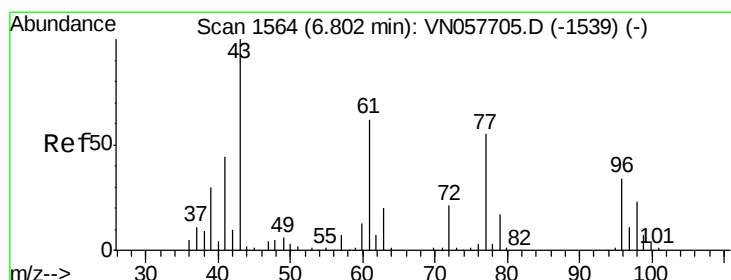
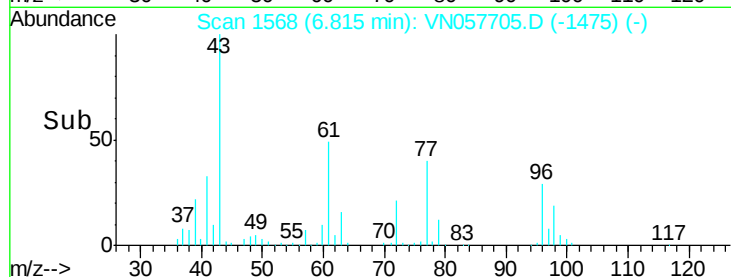
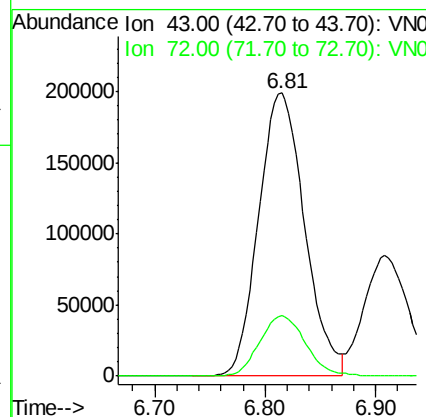
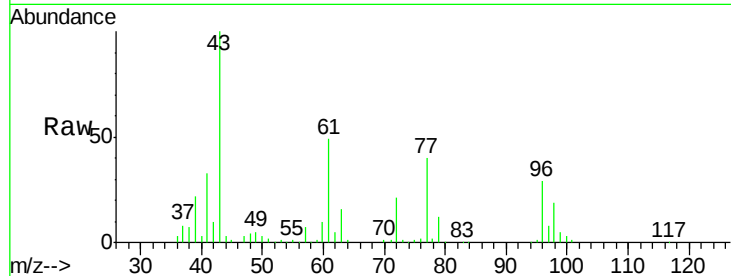
#25
2-Butanone
Concen: 263.367 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 572673
Ion Ratio Lower Upper
43 100
72 21.3 17.0 25.6

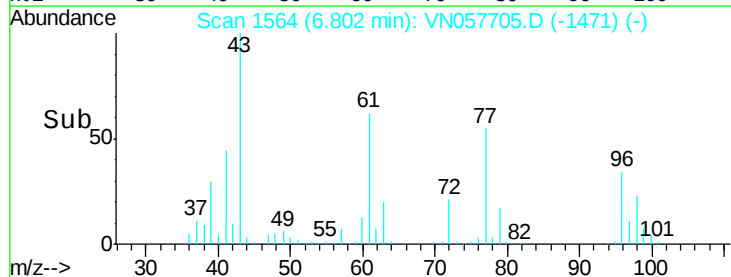
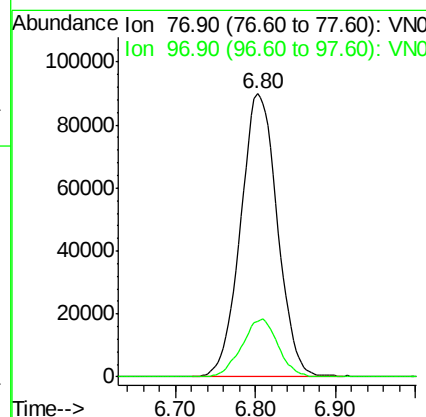
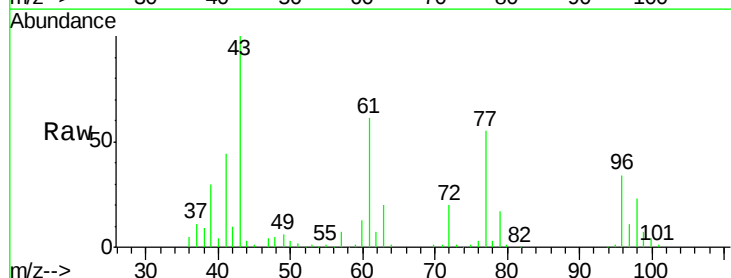
Manual Integrations
APPROVED

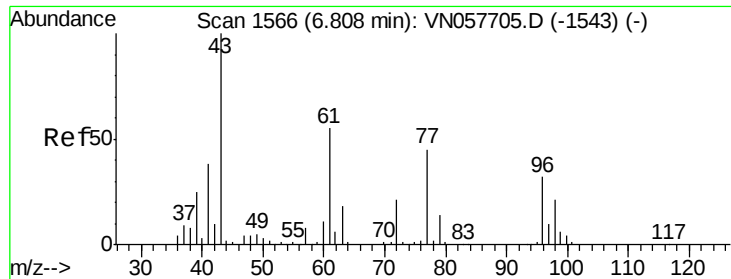
MMDadoda
9/9/2019 1:10:32 PM



#26
2,2-Dichloropropane
Concen: 52.031 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion: 77 Resp: 280163
Ion Ratio Lower Upper
77 100
97 20.1 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 53.286 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

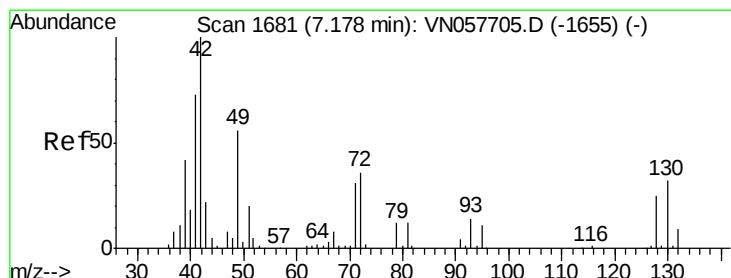
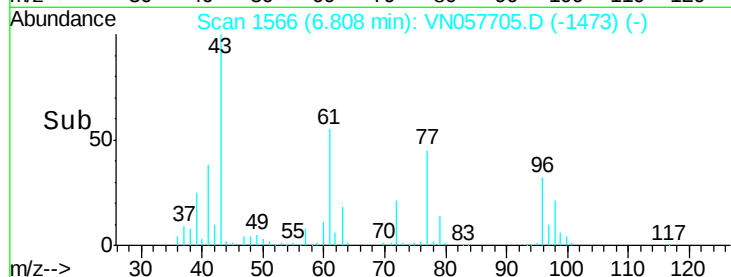
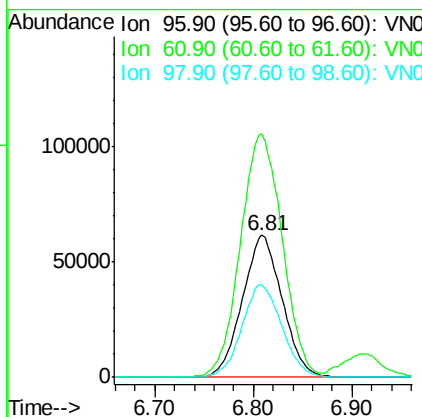
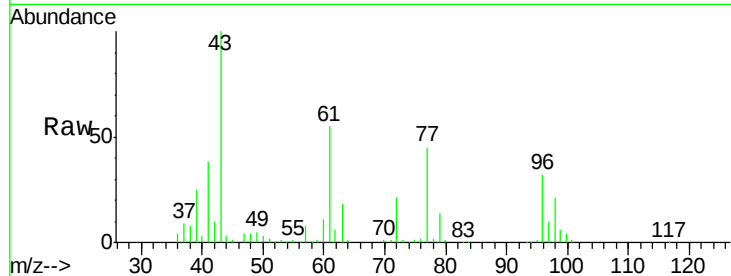
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	171882
Ion	Ratio	Lower	Upper
96	100		
61	180.3	0.0	360.6
98	65.3	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
9/9/2019 1:10:32 PM



#28

Bromochloromethane

Concen: 48.124 ug/l

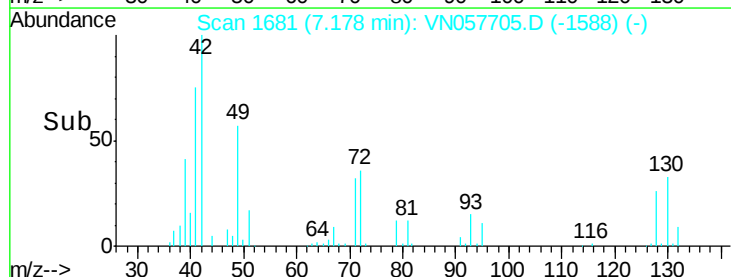
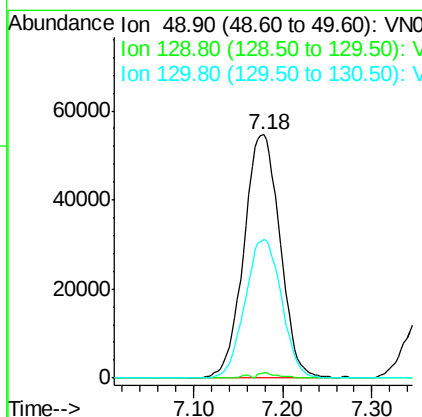
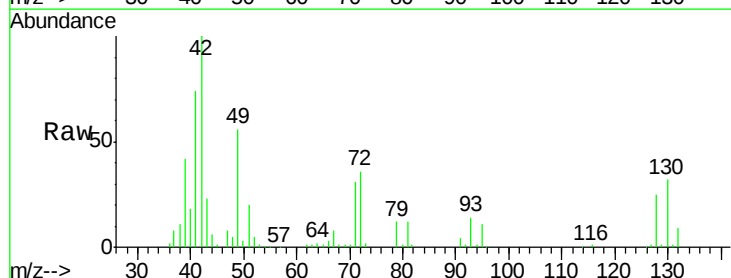
RT: 7.18 min Scan# 1681

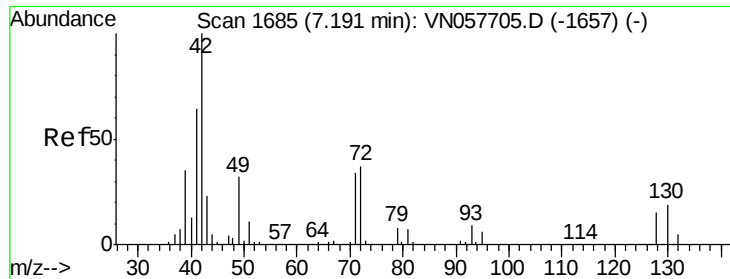
Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Tgt Ion:	49	Resp:	154144
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.4
130	57.3	45.8	68.8





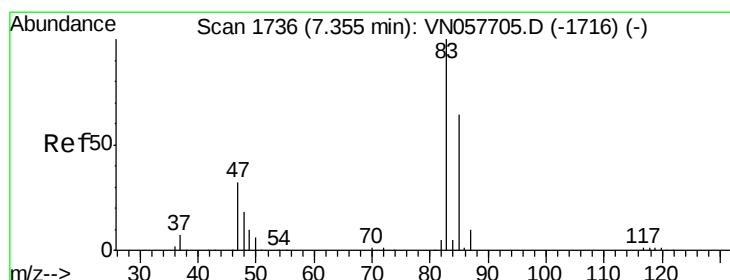
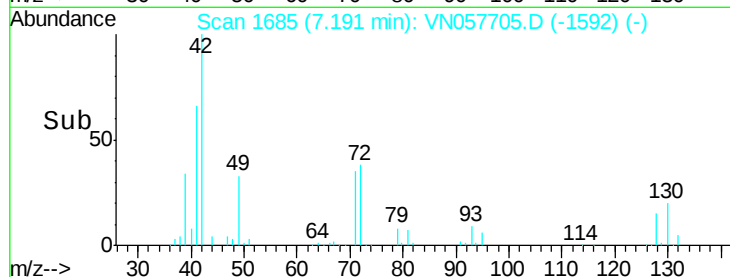
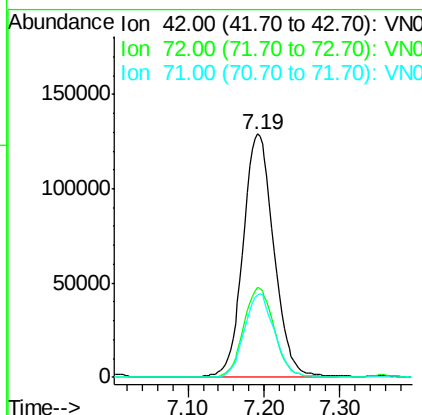
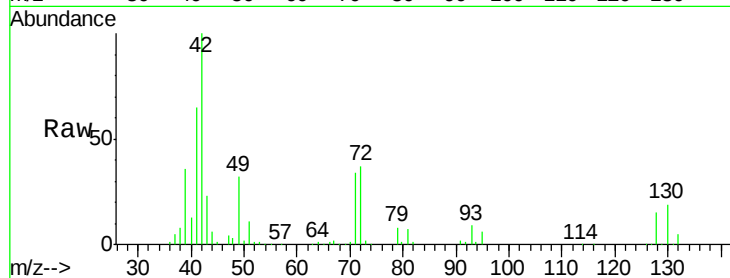
#29
Tetrahydrofuran
Concen: 274.130 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	29.2	43.8
71	33.7	27.0	40.4

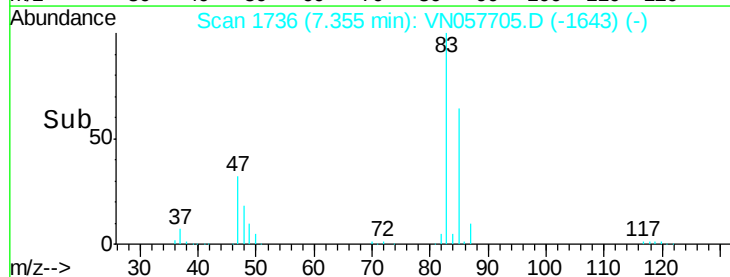
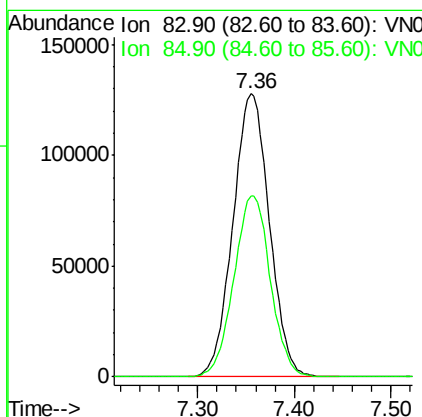
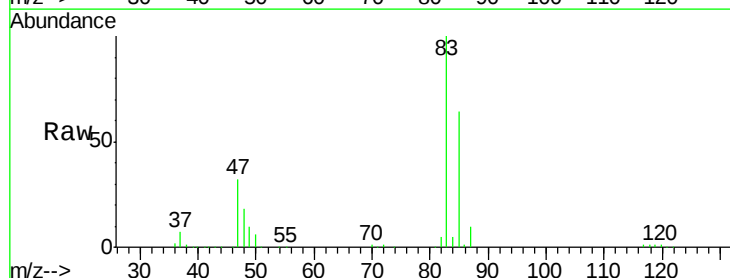
Manual Integrations
APPROVED

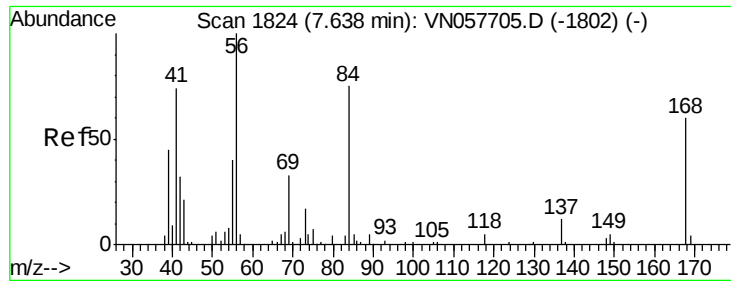
MMDadoda
9/9/2019 1:10:32 PM



#30
Chloroform
Concen: 51.596 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9





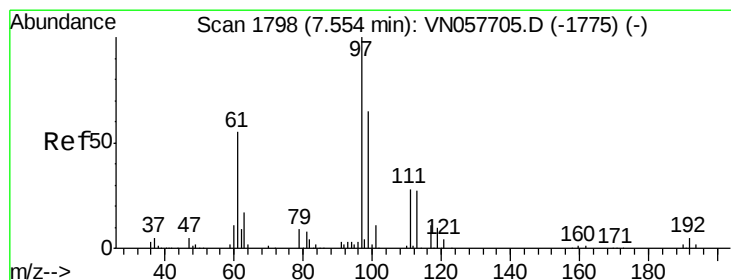
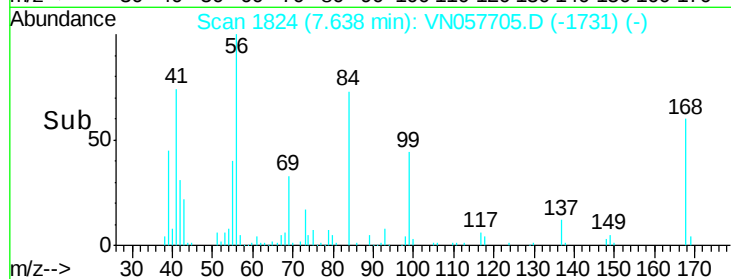
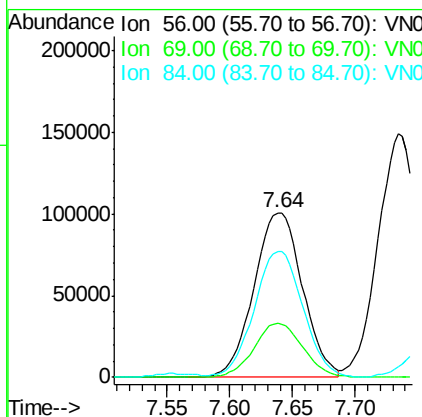
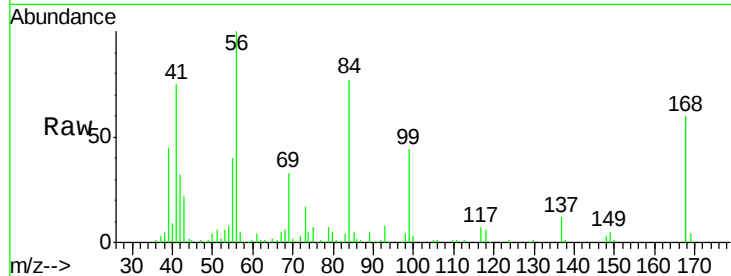
#31
Cyclohexane
Concen: 50.568 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.2
84	74.8	59.8	89.8

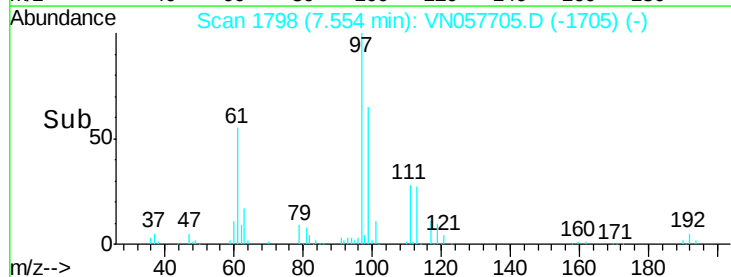
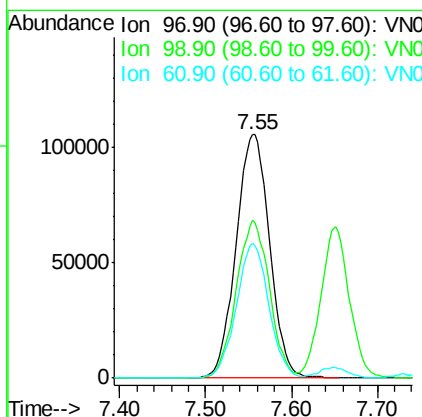
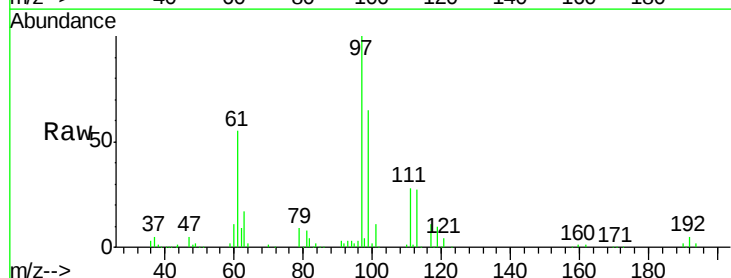
Manual Integrations
APPROVED

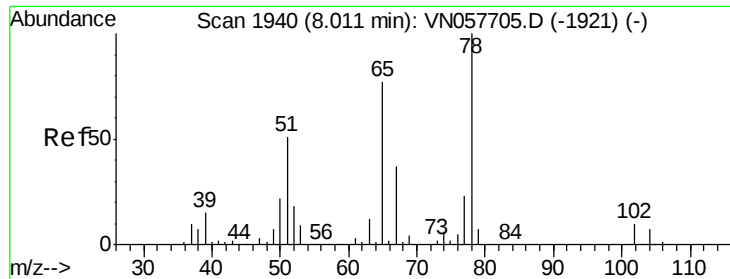
MMDadoda
9/9/2019 1:10:32 PM



#32
1,1,1-Trichloroethane
Concen: 53.252 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	53.5	42.8	64.2





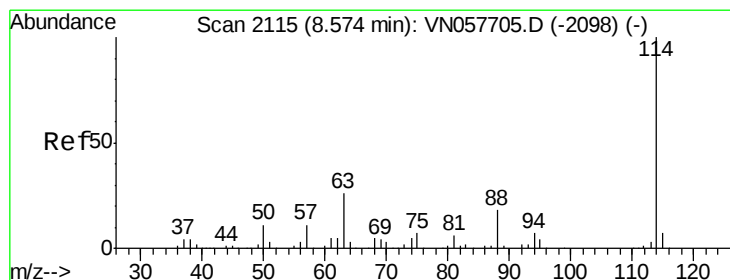
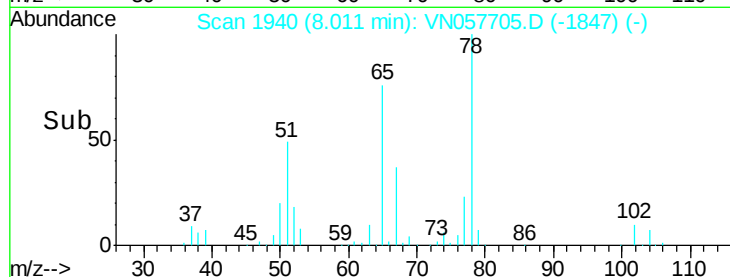
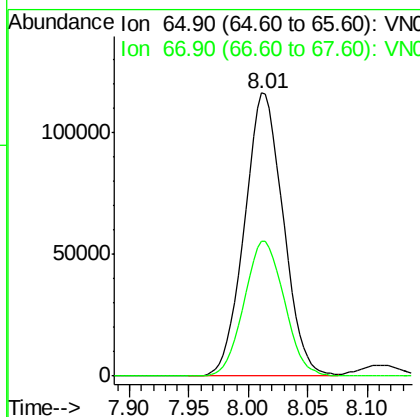
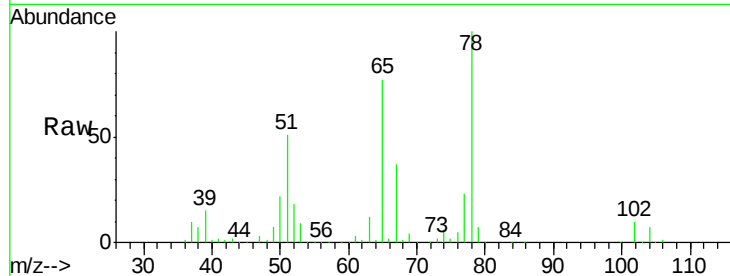
#33
 1,2-Dichloroethane-d4
 Concen: 55.329 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	263555		
67	49.1	0.0	98.2	

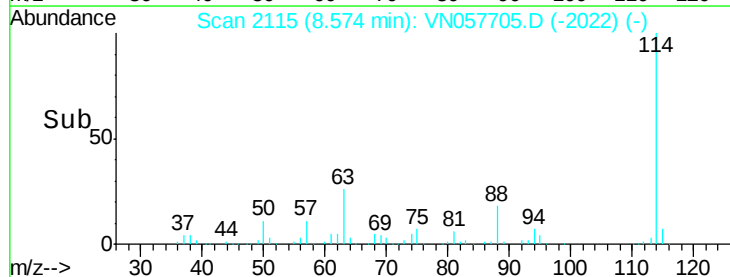
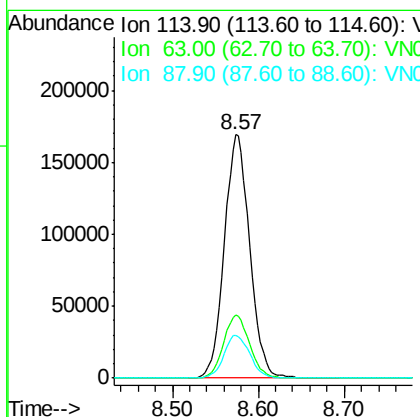
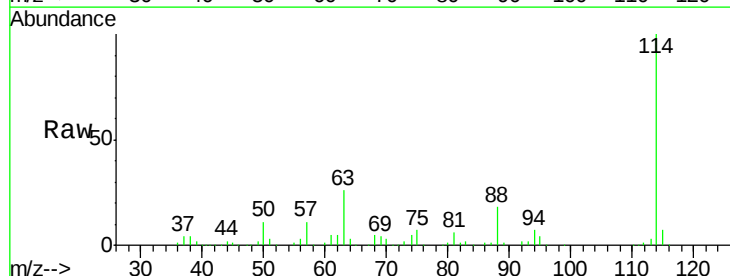
Manual Integrations
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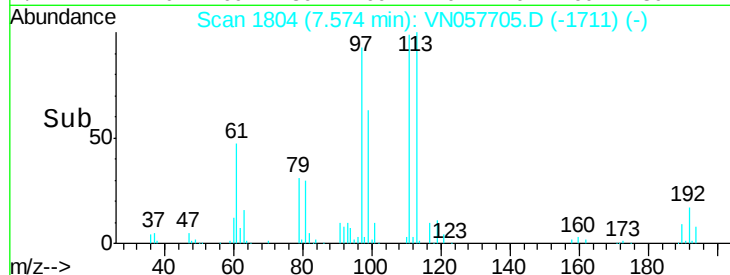
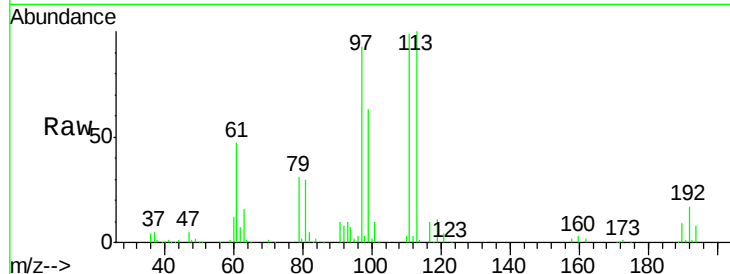
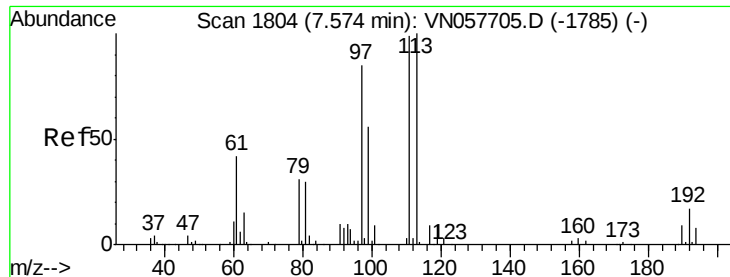
MMDadoda
 9/9/2019 1:10:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	346570		
63	26.2	0.0	52.4	
88	17.7	0.0	35.4	





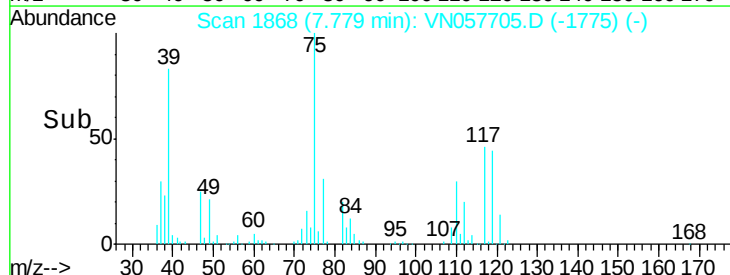
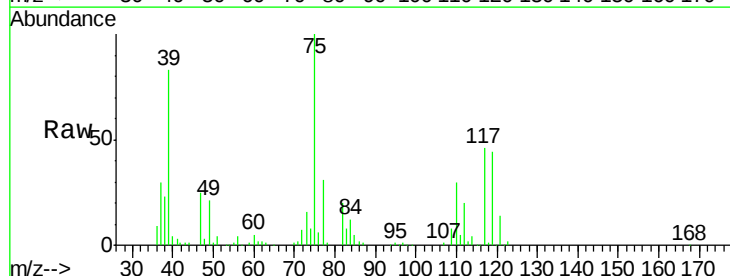
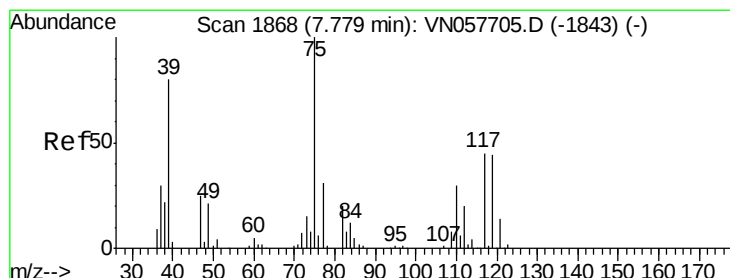
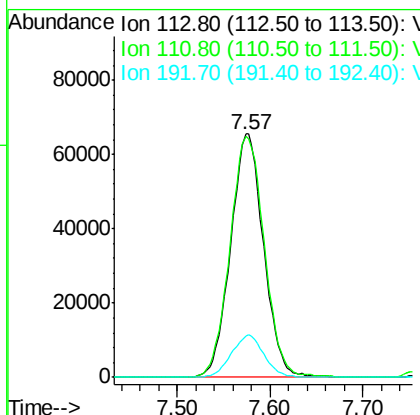
#35
Dibromofluoromethane
Concen: 51.462 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161436		
111	103.4	82.7	124.1	
192	17.2	13.8	20.6	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

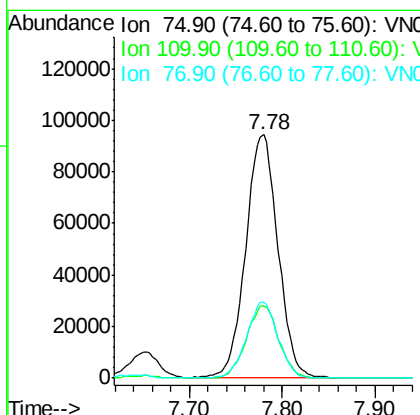
Manual Integrations
APPROVED

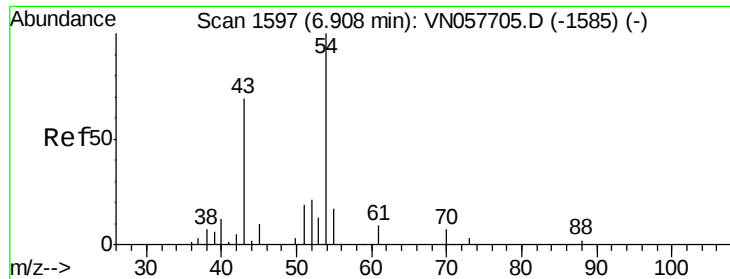
MMDadoda
9/9/2019 1:10:32 PM



#36
1,1-Dichloropropene
Concen: 52.090 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	226491		
110	30.0	15.0	45.0	
77	30.8	24.6	37.0	





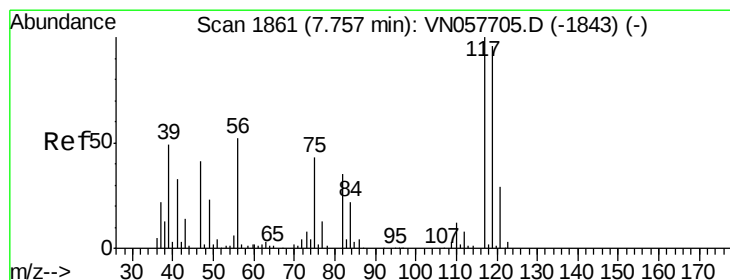
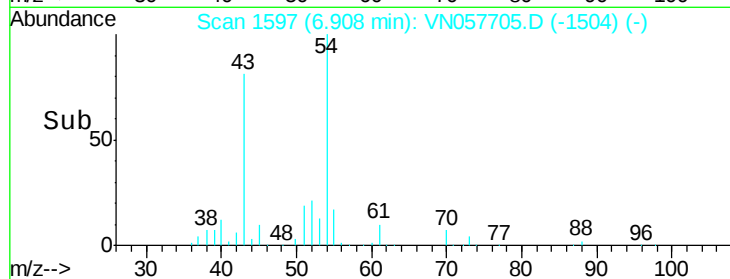
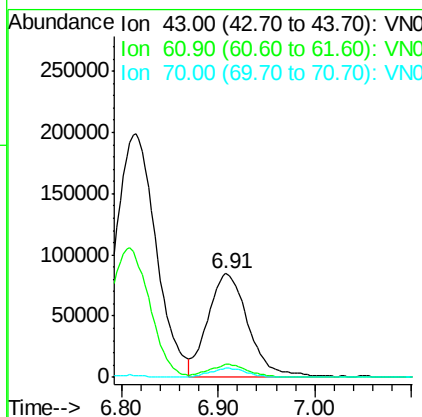
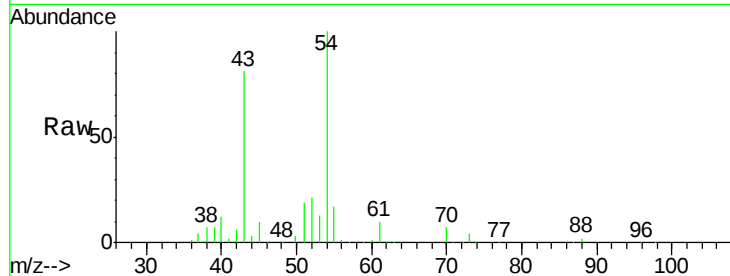
#37
Ethyl Acetate
Concen: 54.472 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	241555		
61	12.3		9.8	14.8
70	8.4		6.7	10.1

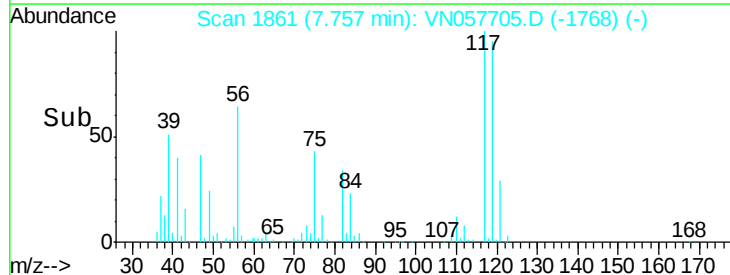
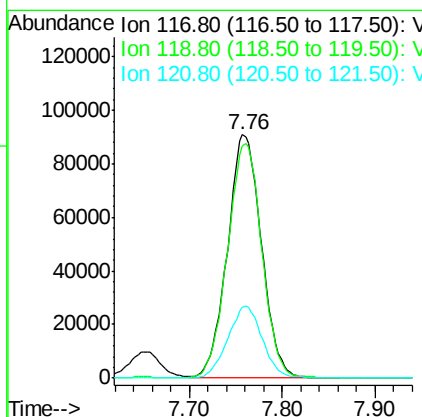
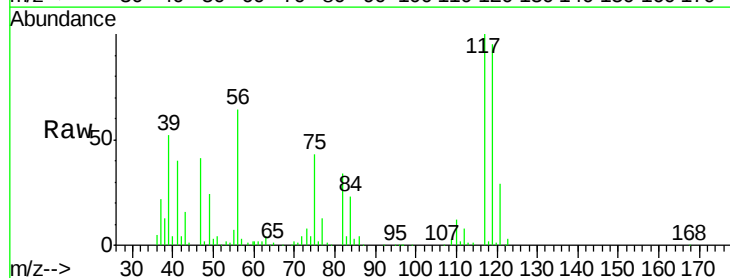
Manual Integrations
APPROVED

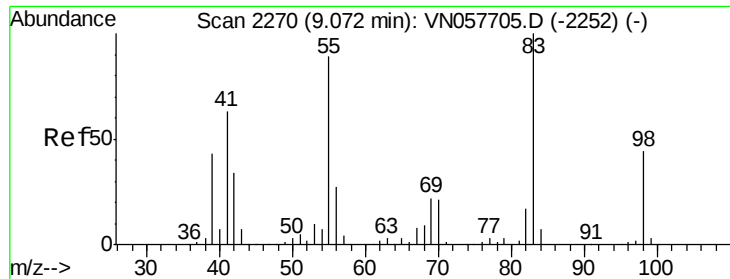
MMDadoda
9/9/2019 1:10:32 PM



#38
Carbon Tetrachloride
Concen: 52.184 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	231458		
119	95.1		76.1	114.1
121	29.3		23.4	35.2





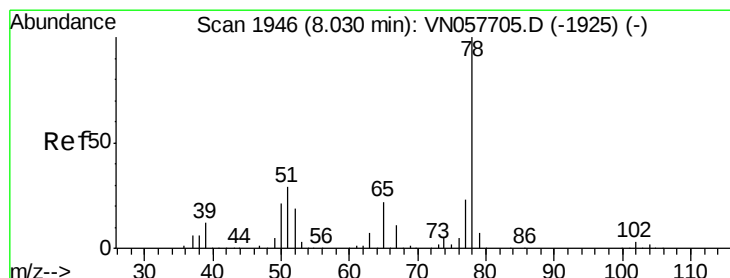
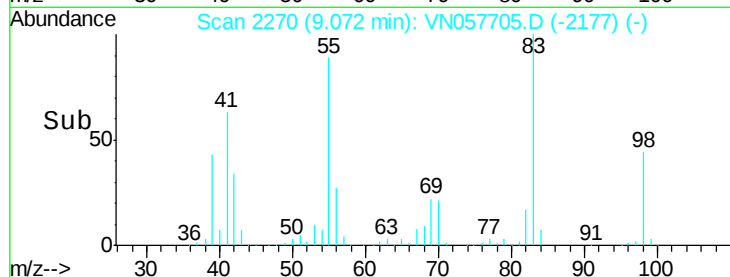
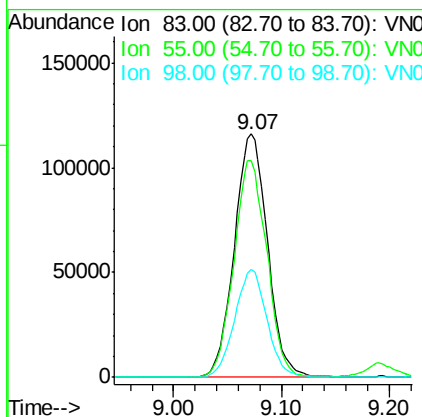
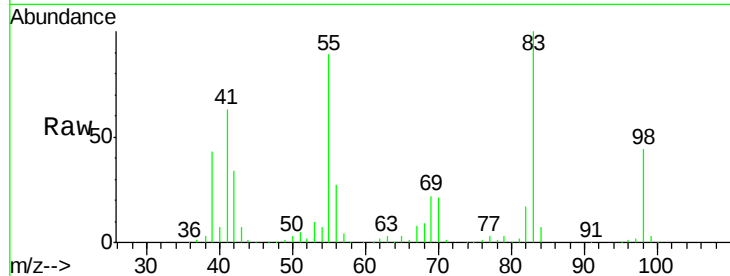
#39
Methvlcvclohexane
Concen: 51.598 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.2	71.4	107.0
98	44.1	35.3	52.9

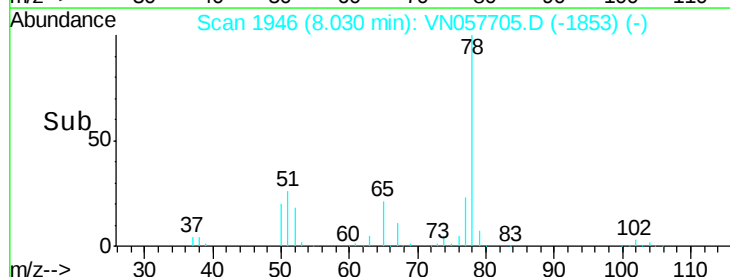
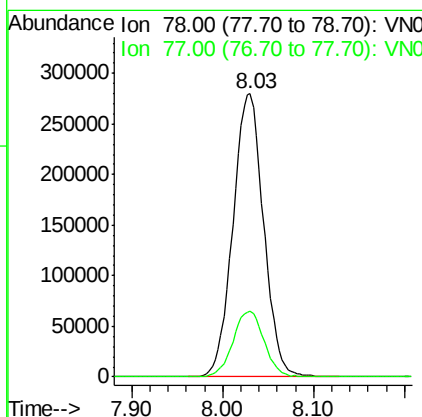
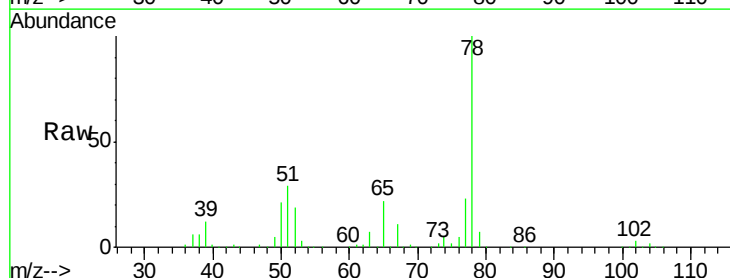
Manual Integrations
APPROVED

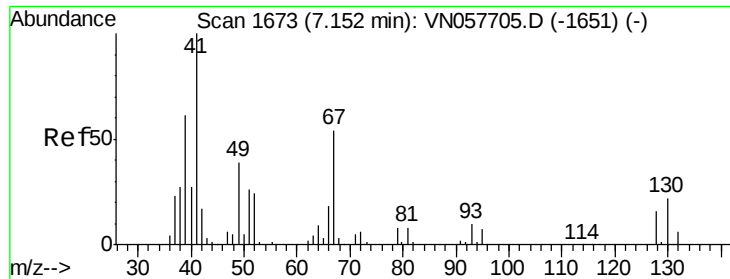
MMDadoda
9/9/2019 1:10:32 PM



#40
Benzene
Concen: 51.745 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





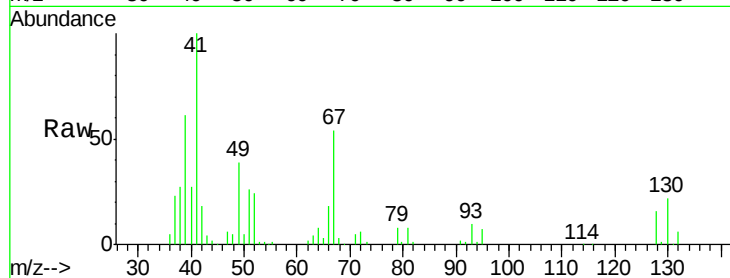
#41
Methacrylonitrile
Concen: 59.983 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

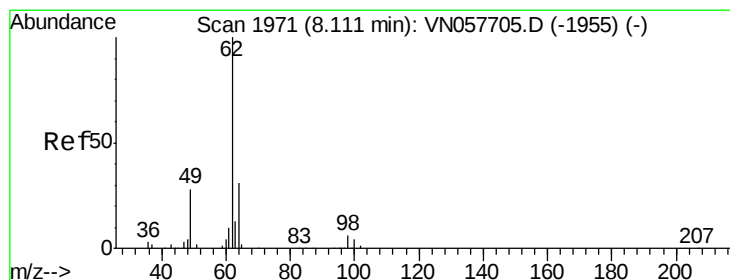
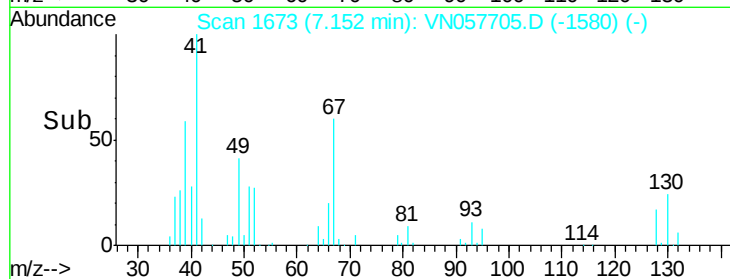
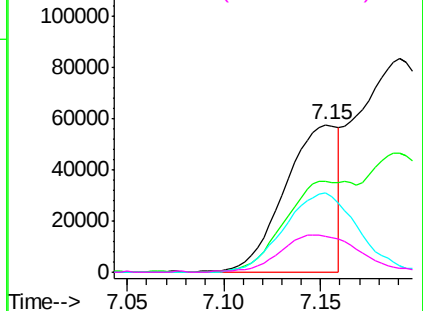
Tot Ion	41	Resp	110974
Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.6	65.4
67	74.7	59.8	89.6
52	38.4	30.7	46.1

Manual Integrations
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MMDadoda
9/9/2019 1:10:32 PM

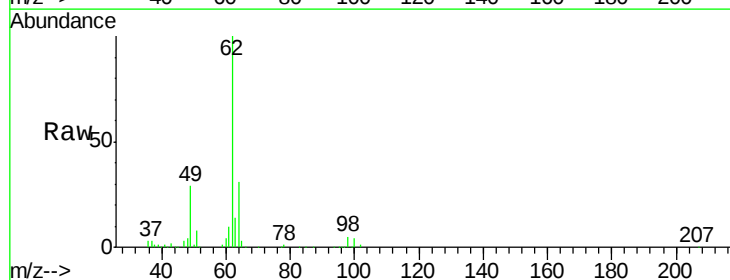


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

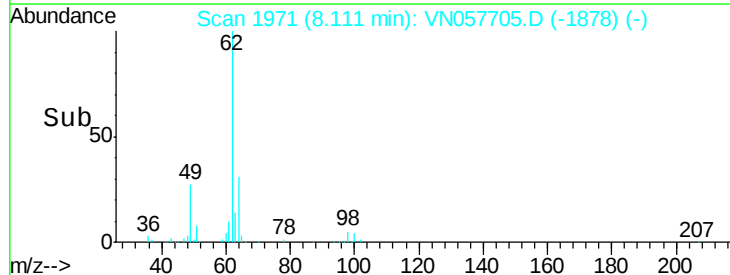
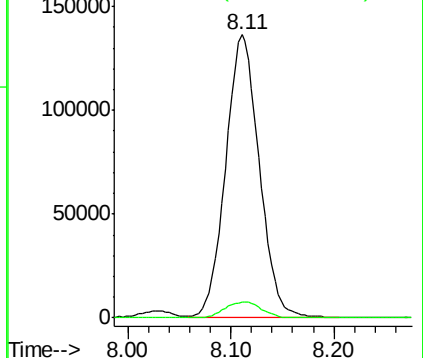


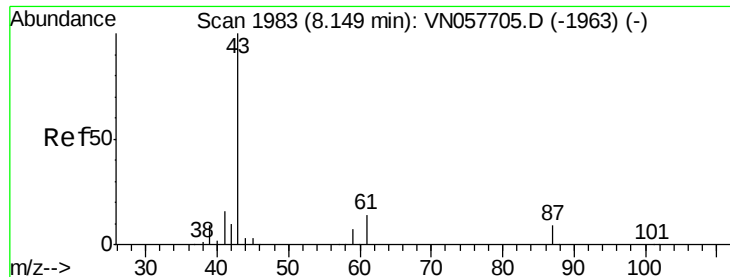
#42
1,2-Dichloroethane
Concen: 53.036 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	62	Resp	308637
Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	12.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





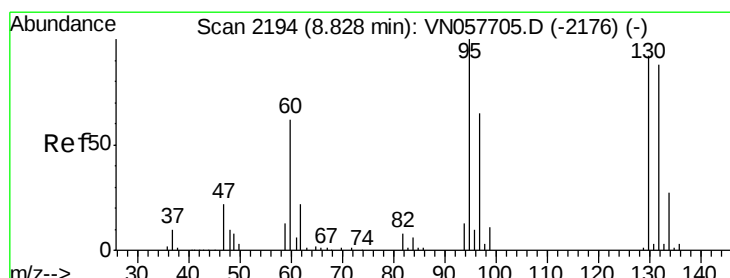
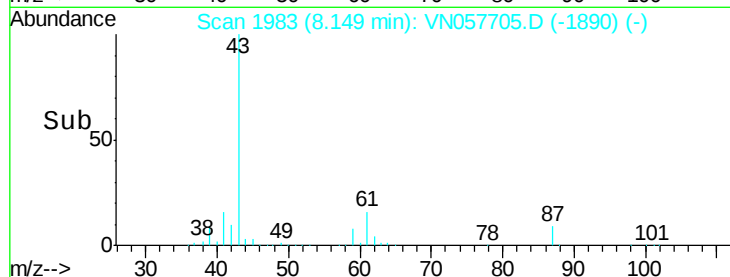
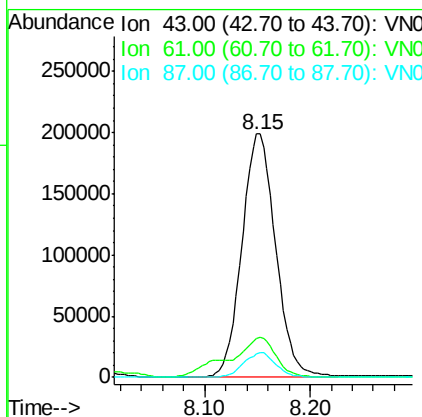
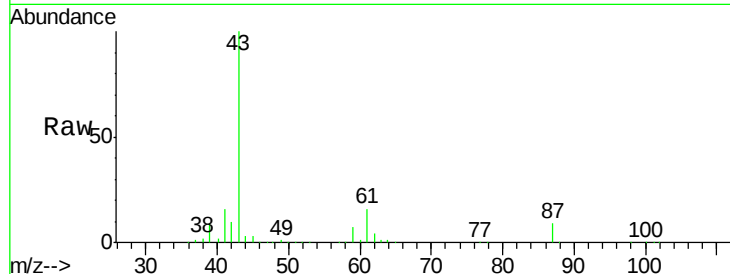
#43
Isopropyl Acetate
Concen: 54.215 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.8	19.2
87	9.8	7.8	11.8

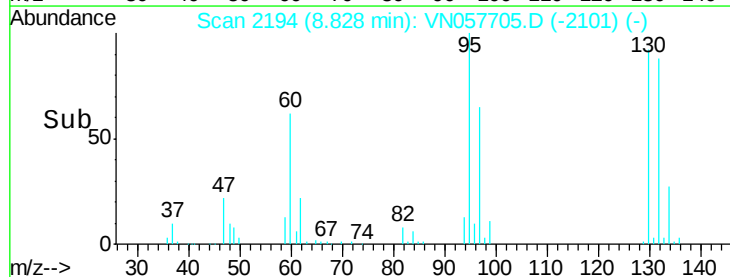
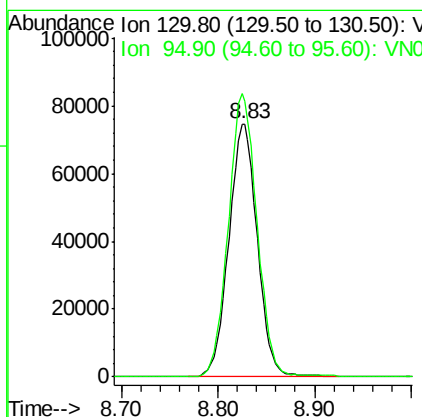
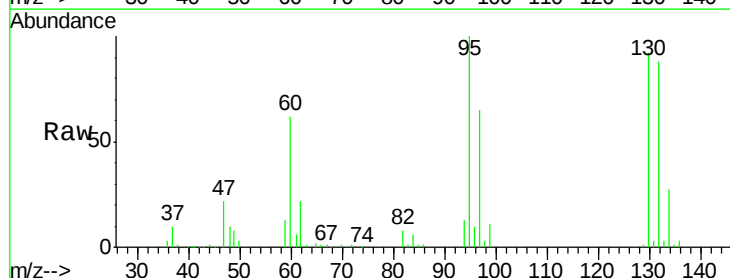
Manual Integrations
APPROVED

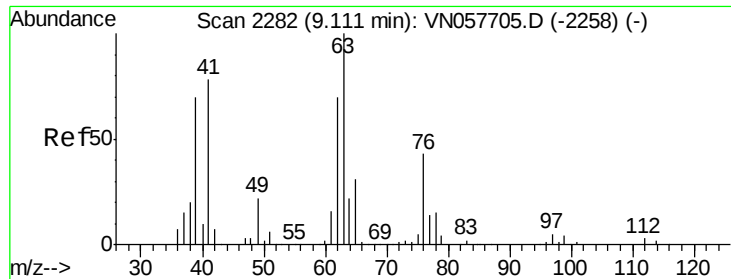
MMDadoda
9/9/2019 1:10:32 PM



#44
Trichloroethene
Concen: 50.388 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	217.8





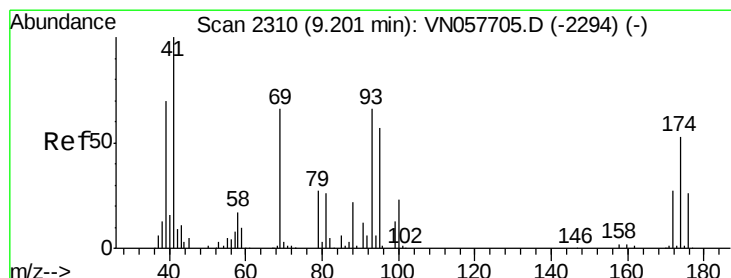
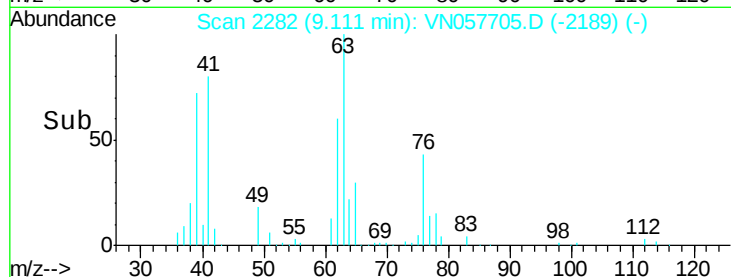
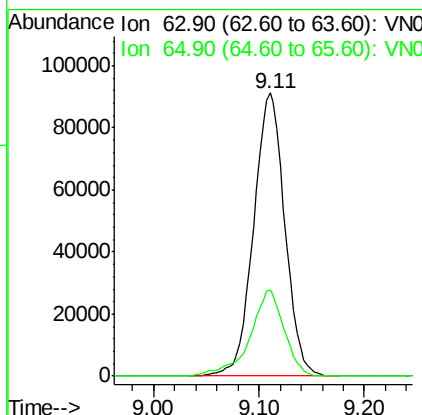
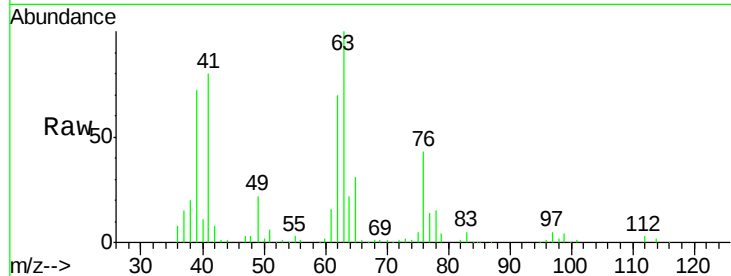
#45
 1,2-Dichloropropane
 Concen: 53.314 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.5	36.7

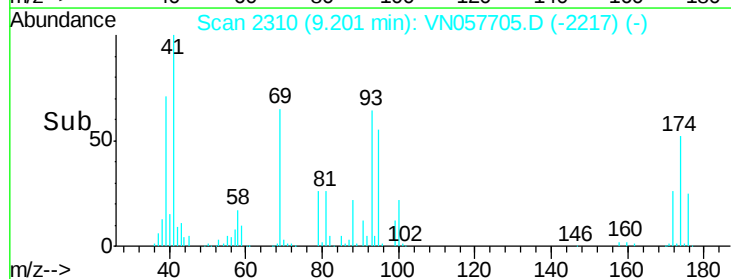
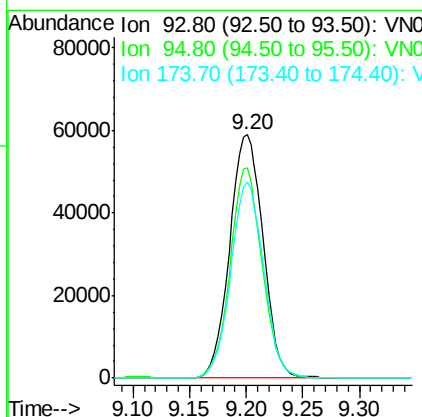
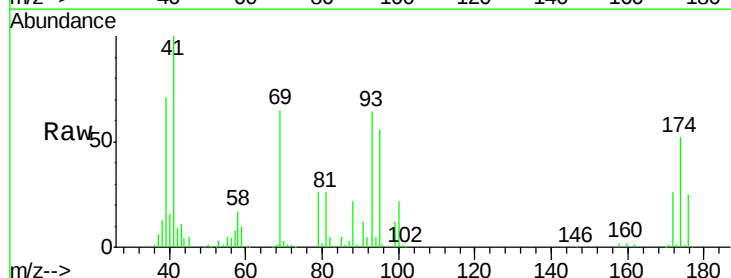
Manual Integrations
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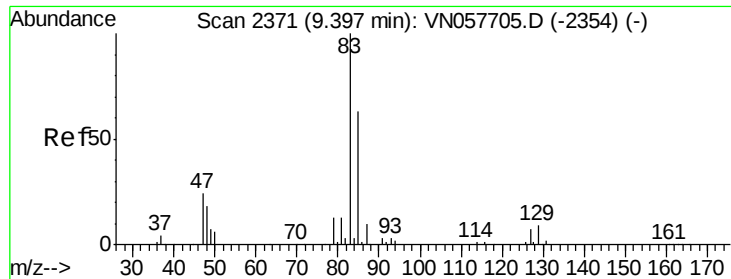
MMDadoda
 9/9/2019 1:10:32 PM



#46
 Dibromomethane
 Concen: 52.607 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.1	99.1
174	79.3	63.4	95.2





#47

Bromodichloromethane

Concen: 54.813 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 260936

Ion Ratio Lower Upper

83 100

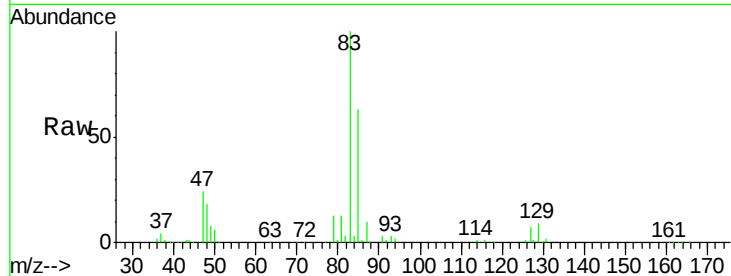
85 63.4 50.7 76.1

127 7.0 5.6 8.4

Manual Integrations
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MMDadoda

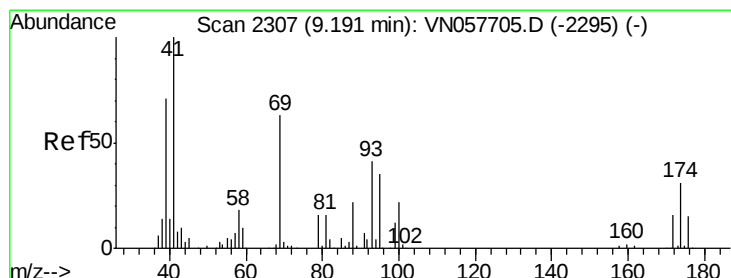
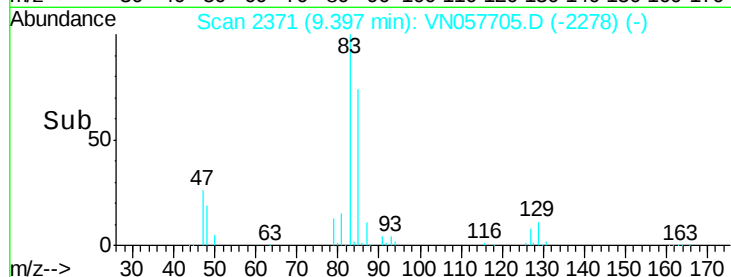
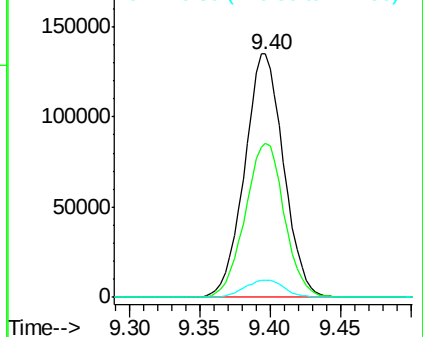
9/9/2019 1:10:32 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 57.196 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

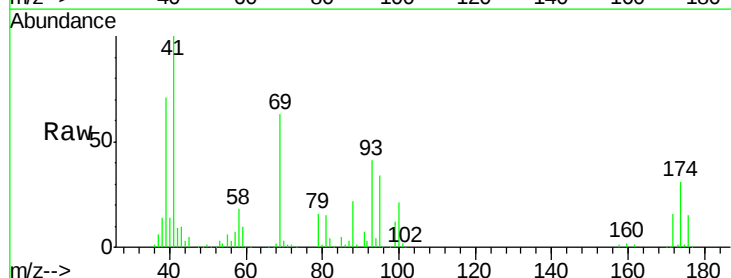
Tgt Ion: 41 Resp: 224960

Ion Ratio Lower Upper

41 100

69 64.0 51.2 76.8

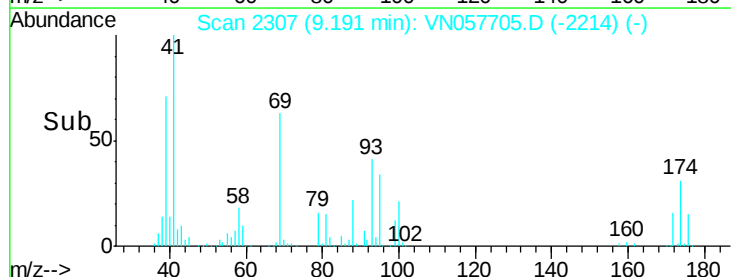
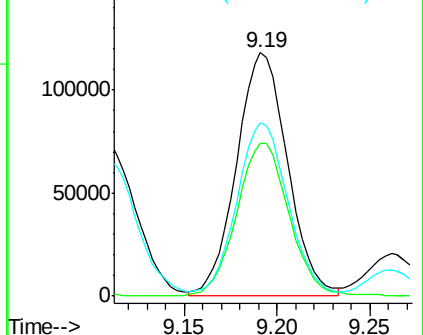
39 71.6 57.3 85.9

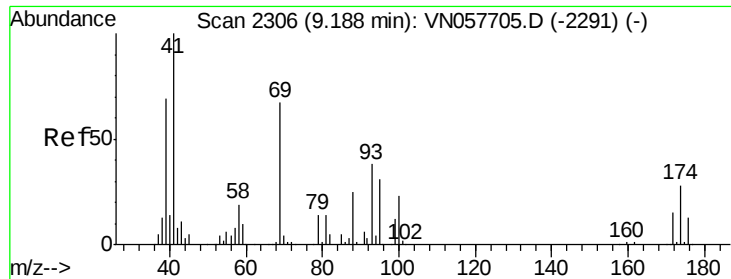


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





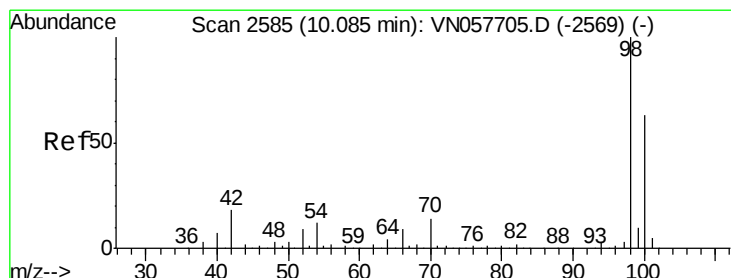
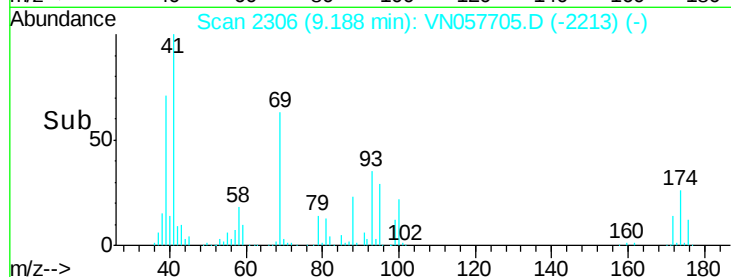
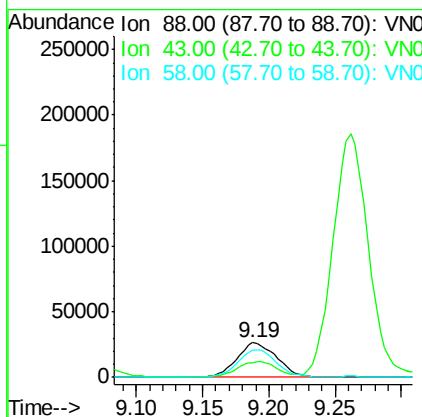
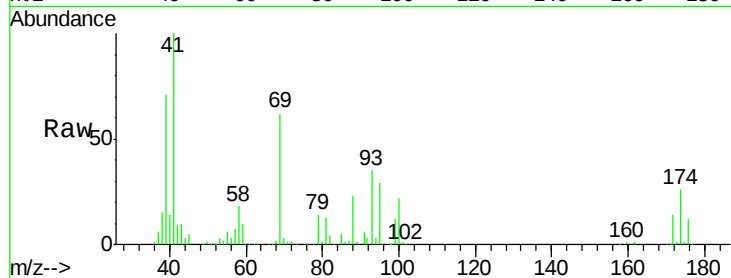
#49
1,4-Dioxane
Concen: 995.376 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.3	35.4	53.2
58	76.9	61.5	92.3

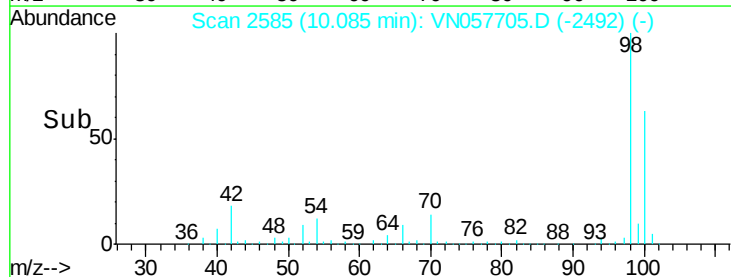
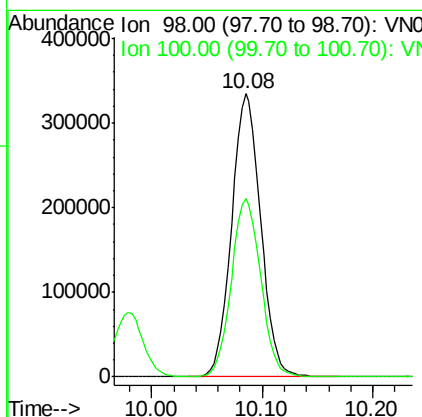
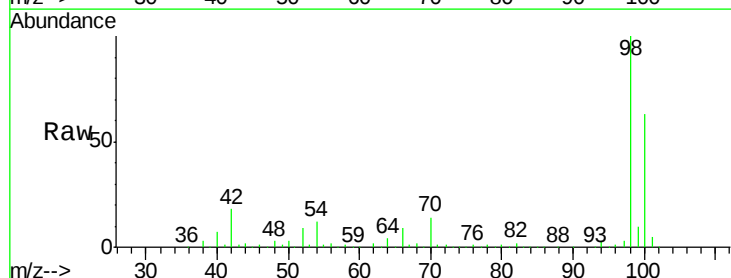
Manual Integrations
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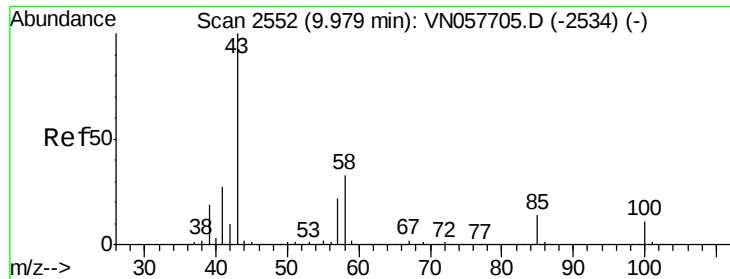
MMDadoda
9/9/2019 1:10:32 PM



#50
Toluene-d8
Concen: 52.390 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 284.405 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1278641

Ion Ratio Lower Upper

43 100

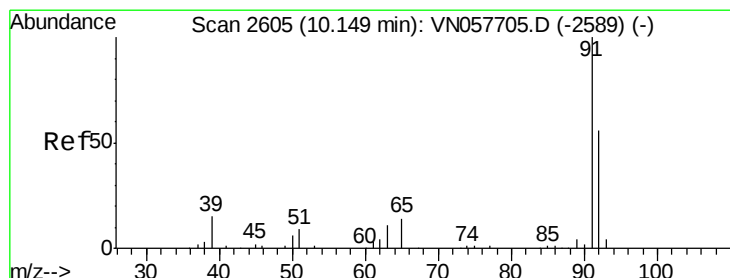
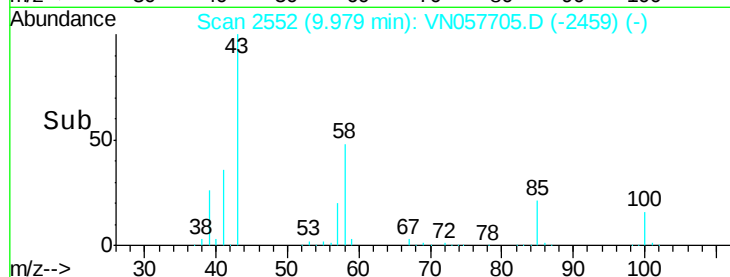
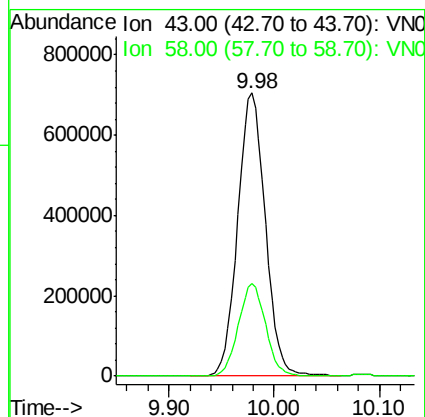
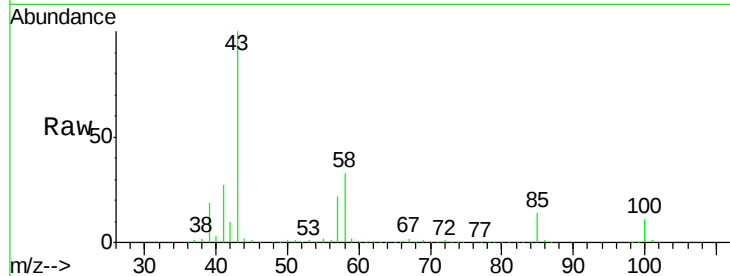
58 32.3 25.8 38.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 51.039 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057705.D

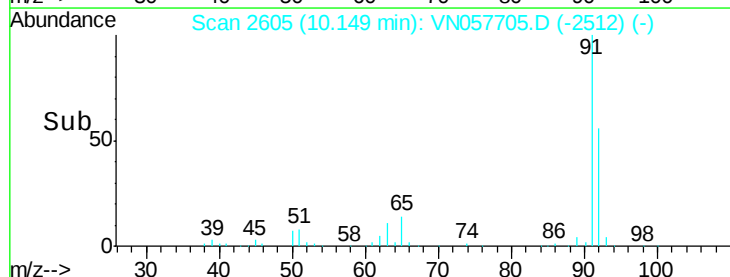
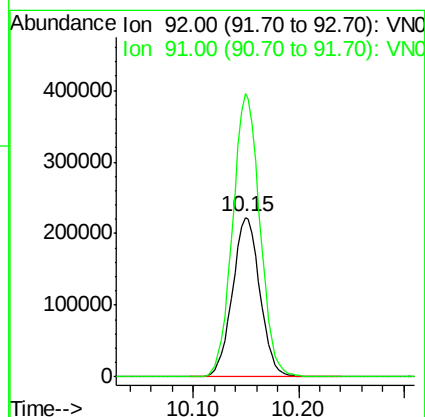
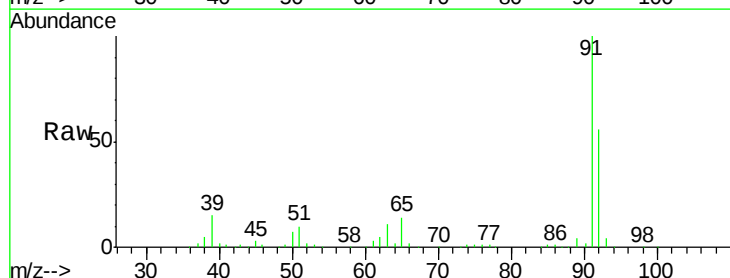
Acq: 5 Sep 2019 18:54

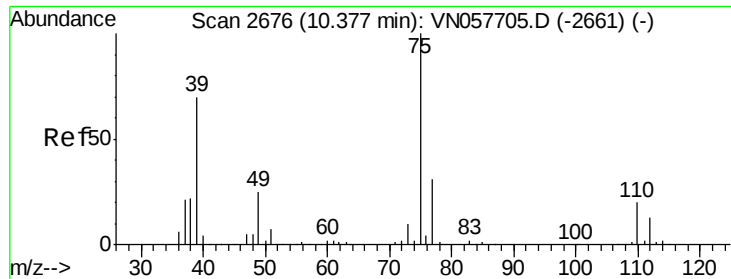
Tgt Ion: 92 Resp: 399833

Ion Ratio Lower Upper

92 100

91 176.9 141.5 212.3





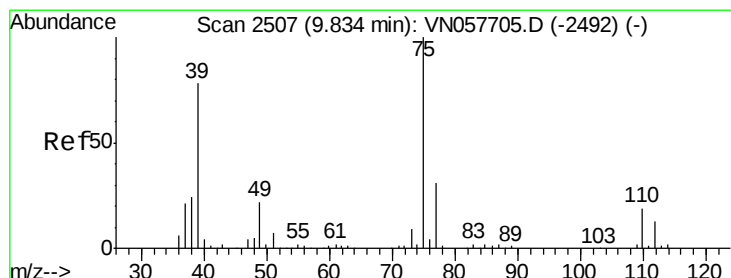
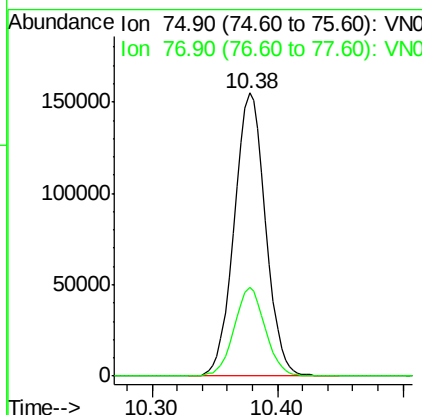
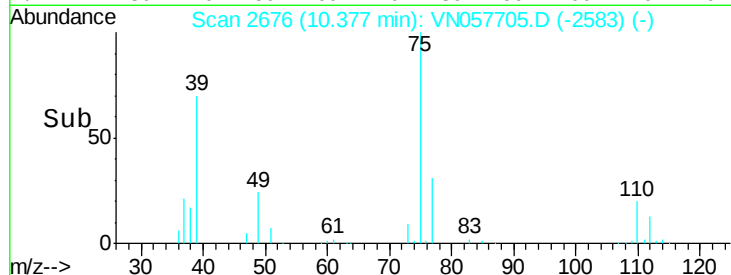
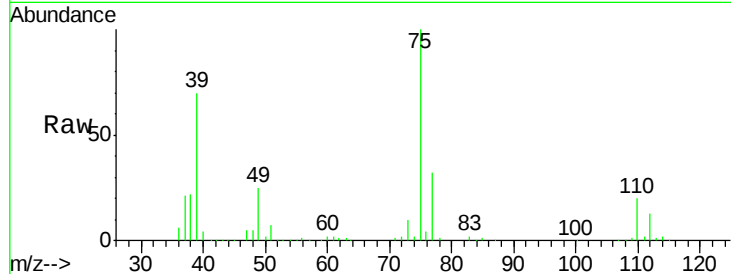
#53
t-1,3-Dichloropropene
Concen: 55.125 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 268320
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

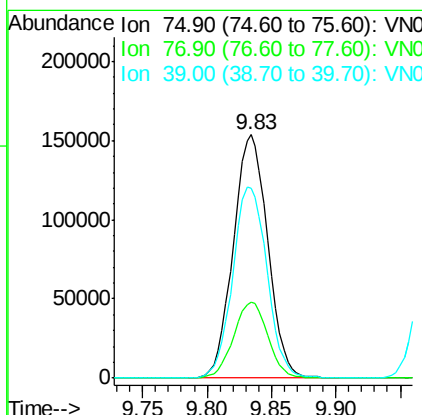
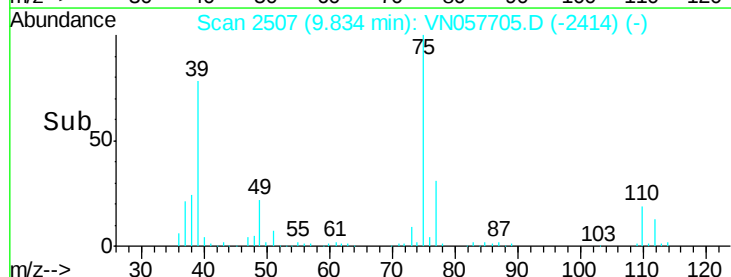
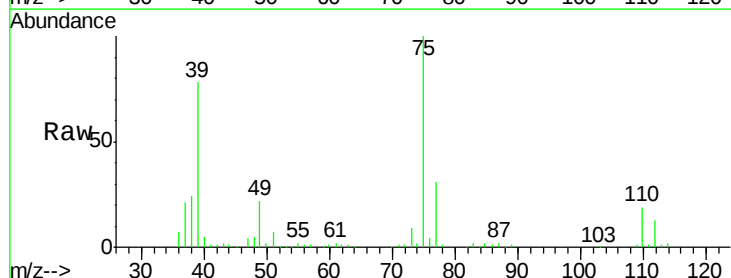
Manual Integrations
APPROVED

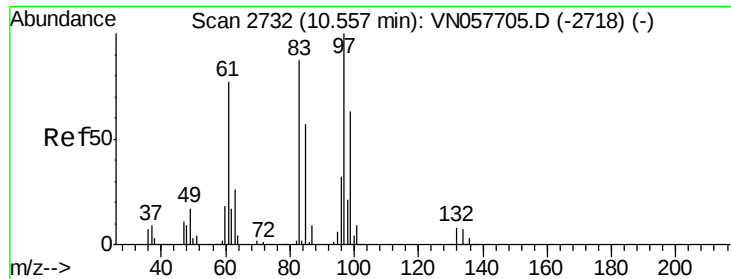
MMDadoda
9/9/2019 1:10:32 PM



#54
cis-1,3-Dichloropropene
Concen: 53.741 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion: 75 Resp: 285384
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 78.0 62.4 93.6





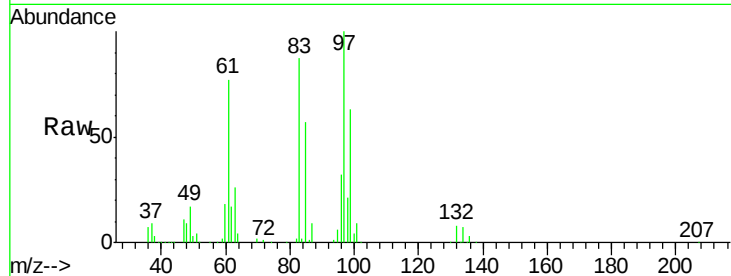
#55
 1,1,2-Trichloroethane
 Concen: 51.904 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

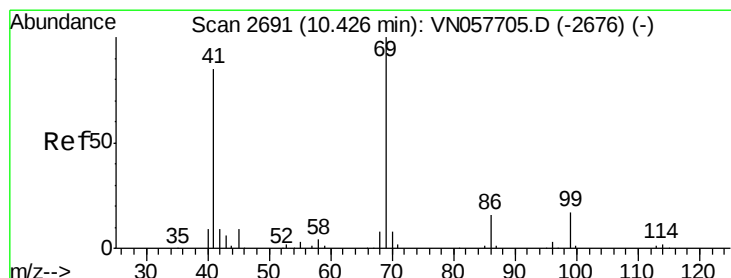
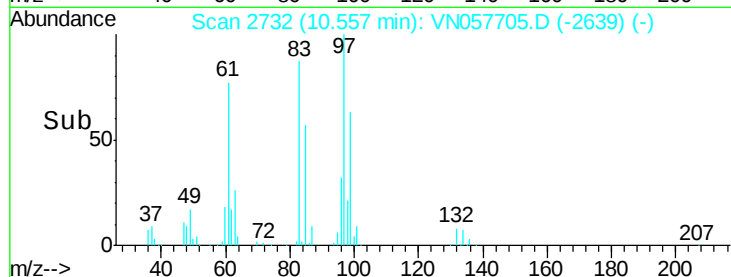
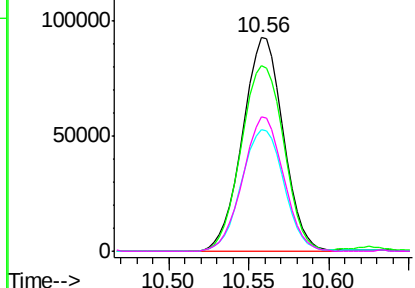
Tot Ion:	97	Resp:	161986
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	57.1	45.7	68.5
99	62.8	50.2	75.4

Manual Integrations
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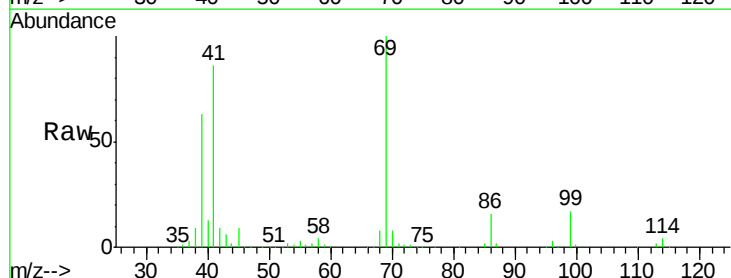


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

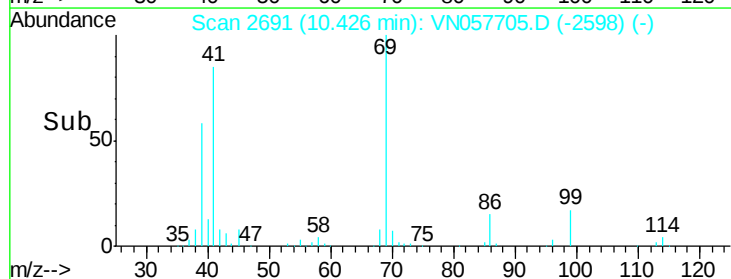
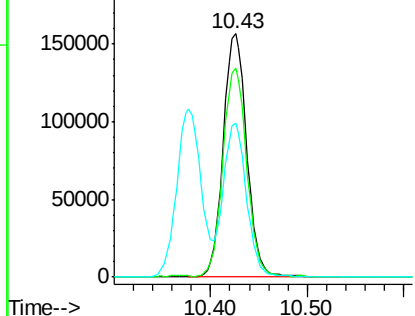


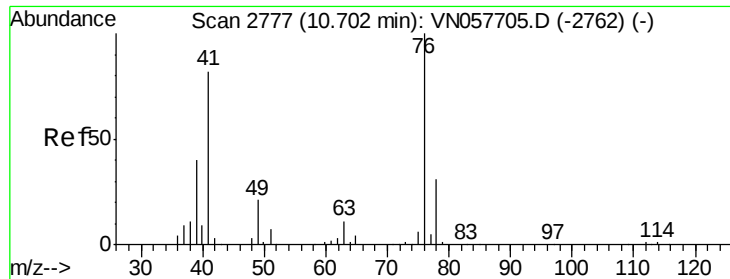
#56
 Ethyl methacrylate
 Concen: 55.204 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion:	69	Resp:	264813
Ion	Ratio	Lower	Upper
69	100		
41	86.2	69.0	103.4
39	61.5	49.2	73.8



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





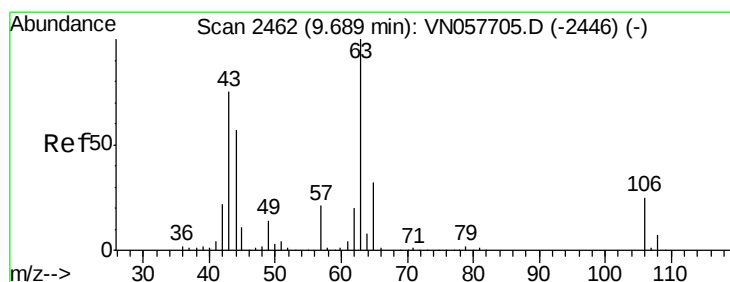
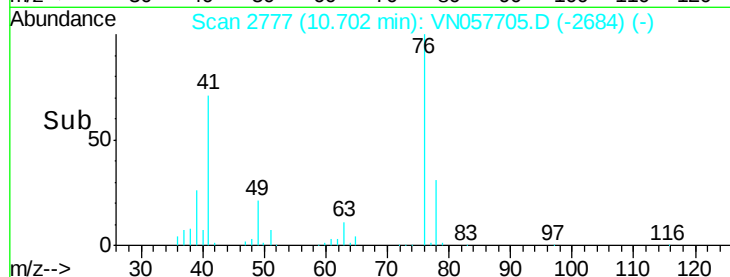
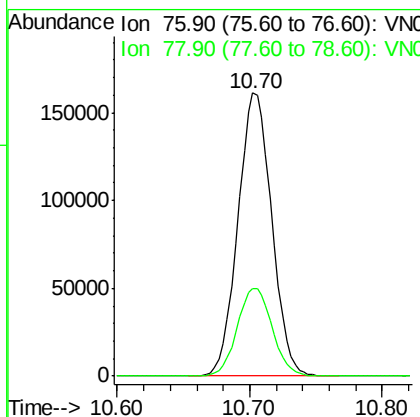
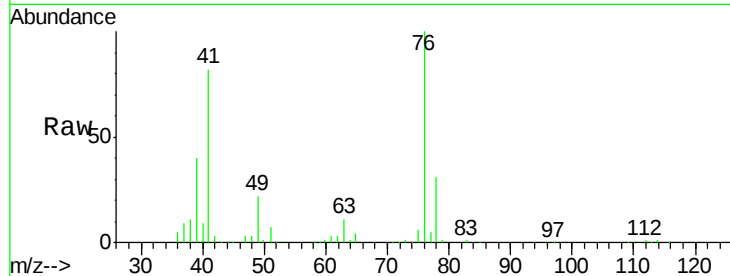
#57
 1,3-Dichloropropane
 Concen: 51.809 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 285360
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

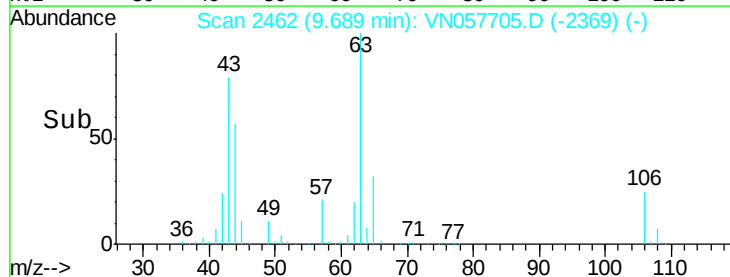
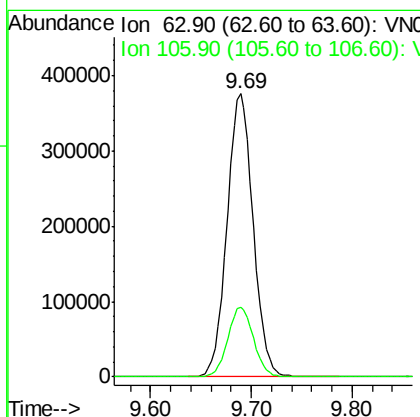
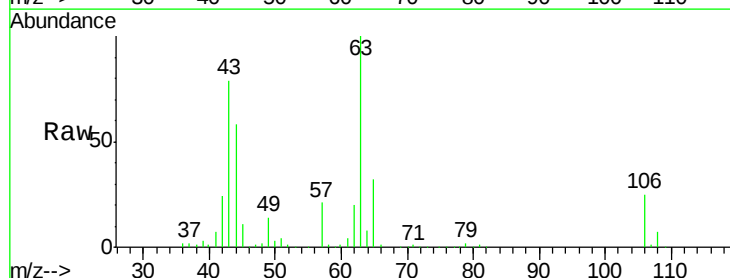
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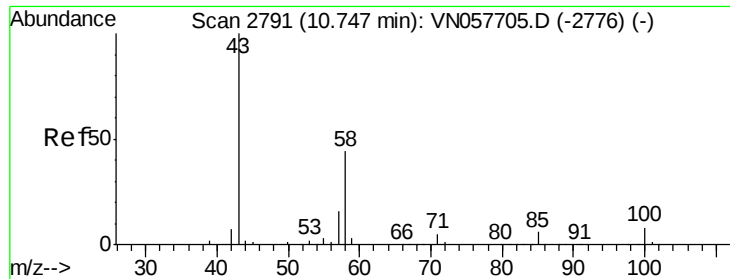
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 397.584 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion: 63 Resp: 677767
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.4 29.2





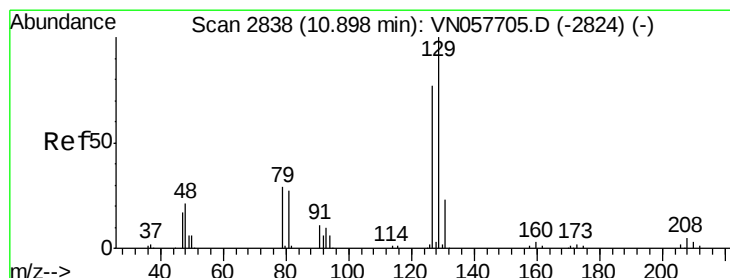
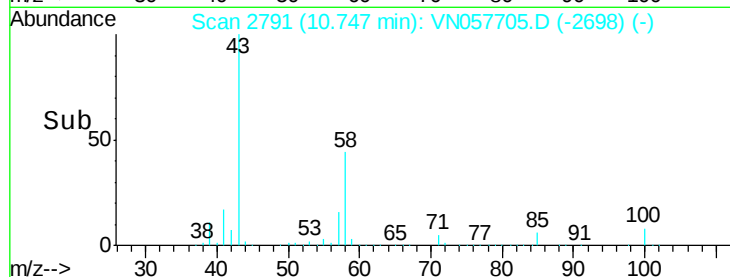
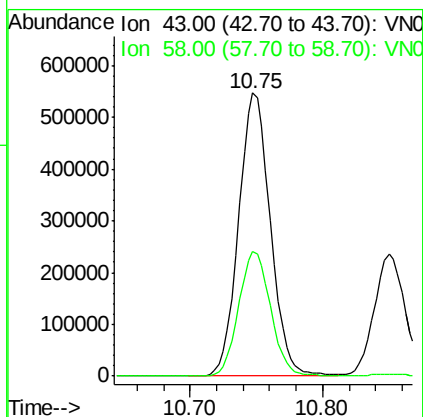
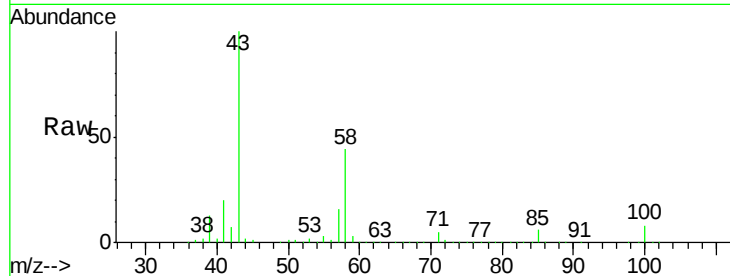
#59
2-Hexanone
Concen: 288.966 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 910716
Ion Ratio Lower Upper
43 100
58 44.3 22.1 66.5

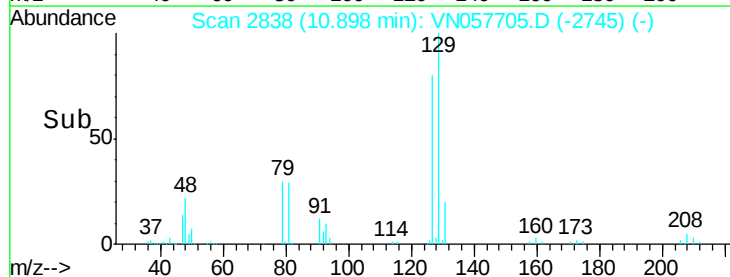
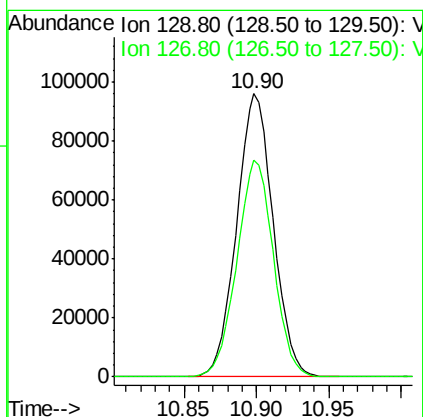
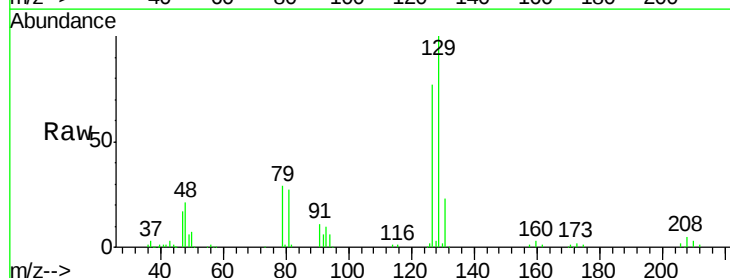
Manual Integrations
APPROVED

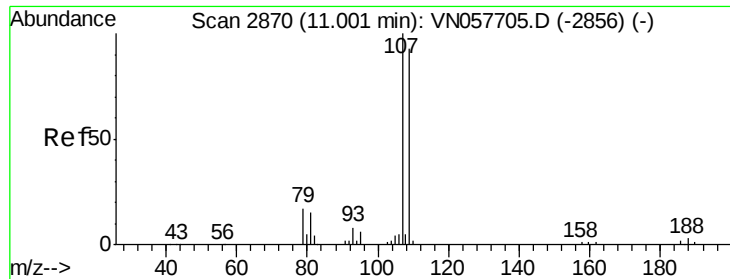
MMDadoda
9/9/2019 1:10:32 PM



#60
Dibromochloromethane
Concen: 54.825 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion: 129 Resp: 167919
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





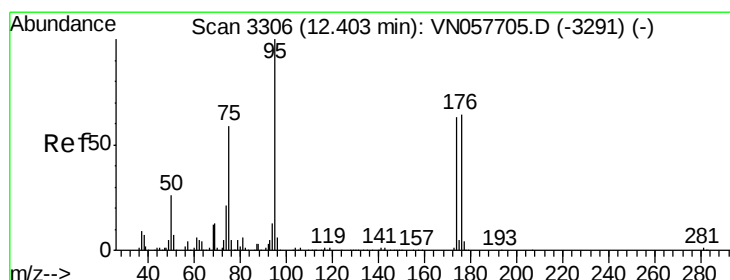
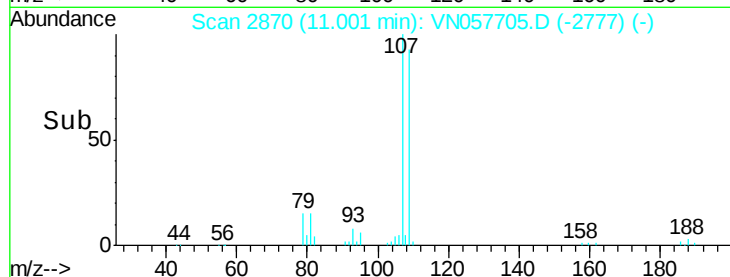
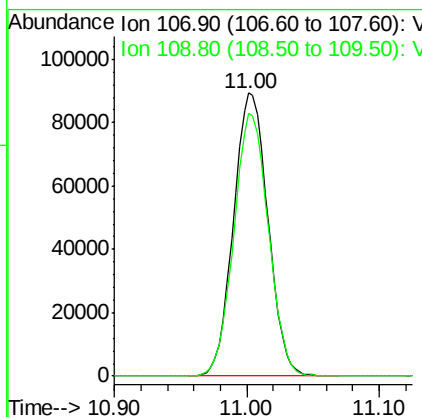
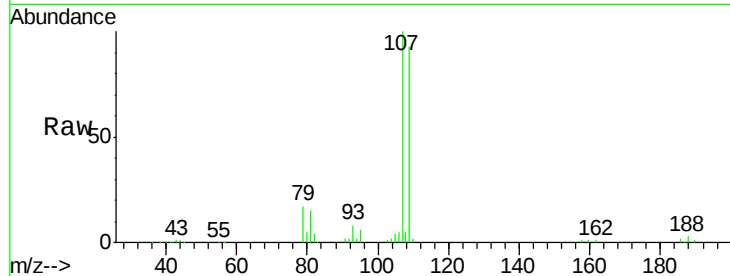
#61
 1,2-Dibromoethane
 Concen: 52.644 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	112.0

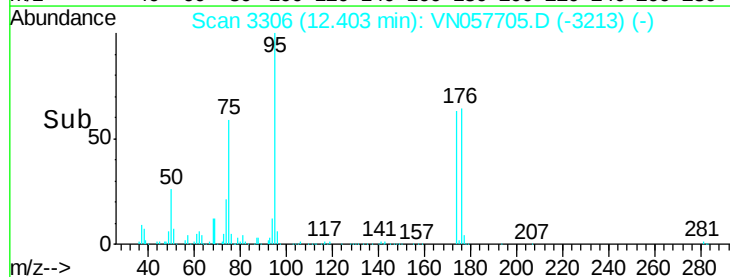
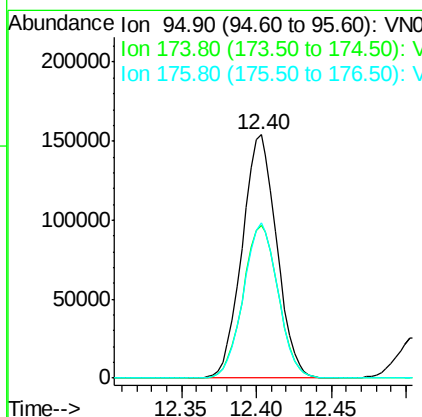
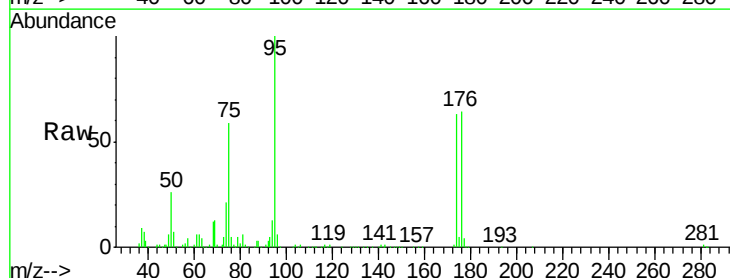
Manual Integrations
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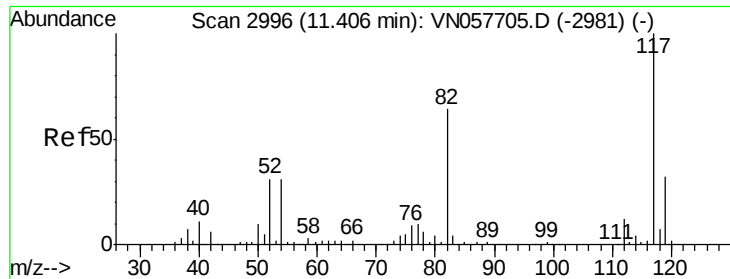
MMDadoda
 9/9/2019 1:10:32 PM



#62
 4-Bromofluorobenzene
 Concen: 55.738 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.0	0.0	128.0
176	64.0	0.0	128.0





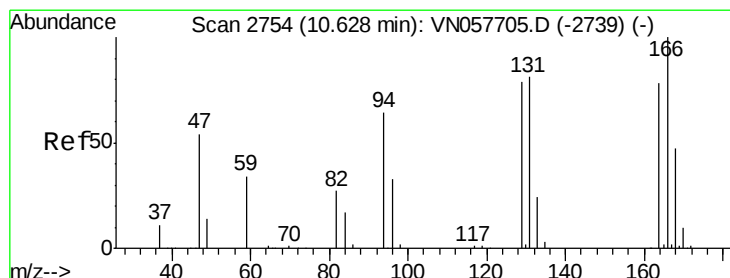
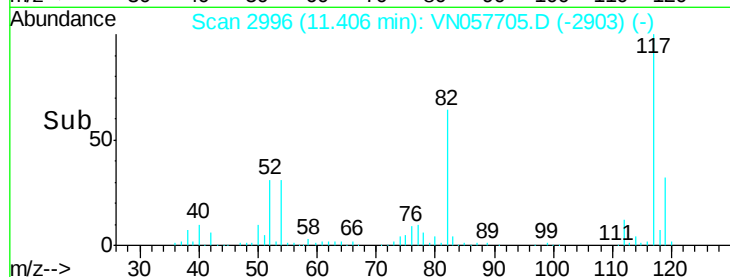
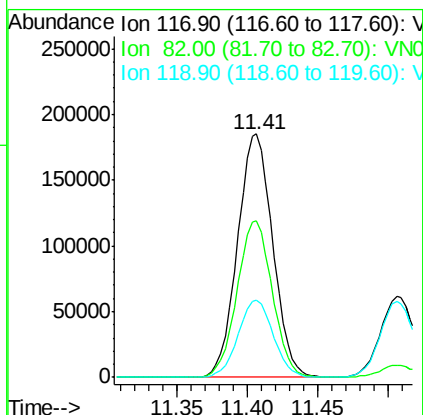
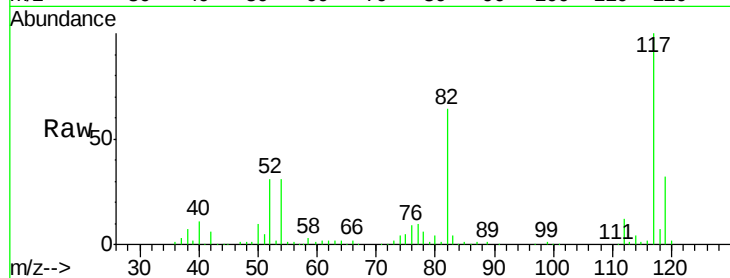
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.2	51.4	77.0
119	31.8	25.4	38.2

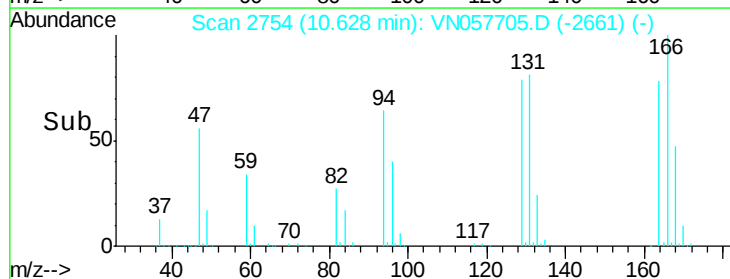
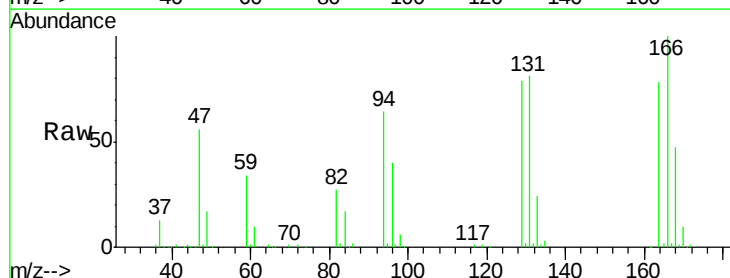
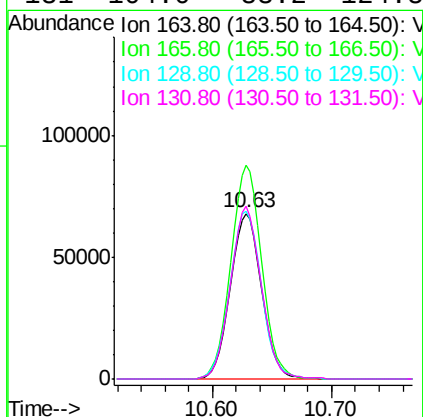
Manual Integrations
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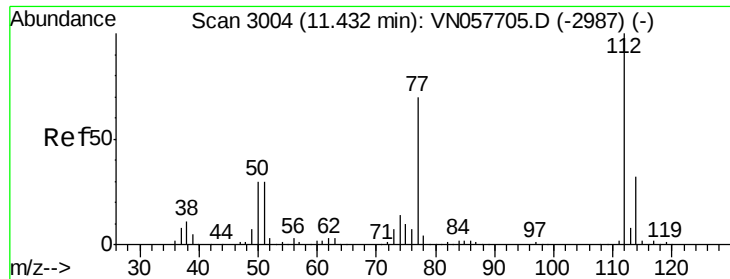
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#64
Tetrachloroethene
Concen: 43.965 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.0	154.6
129	101.4	81.1	121.7
131	104.0	83.2	124.8





#65

Chlorobenzene

Concen: 50.669 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 416613

Ion Ratio Lower Upper

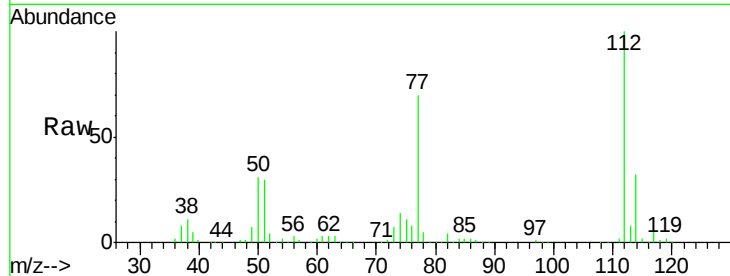
112 100

114 32.3 25.8 38.8

Manual Integrations
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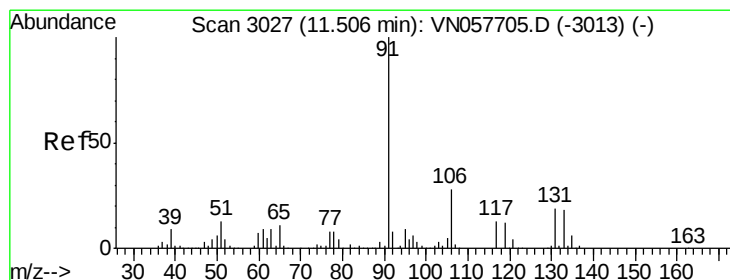
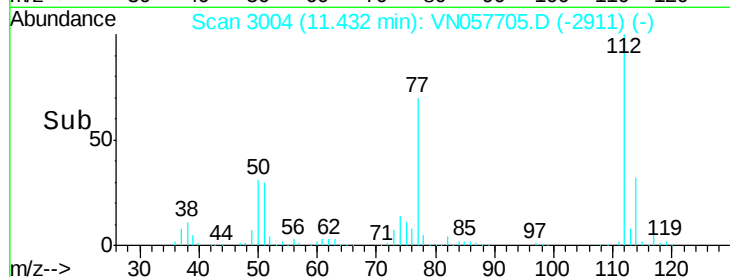
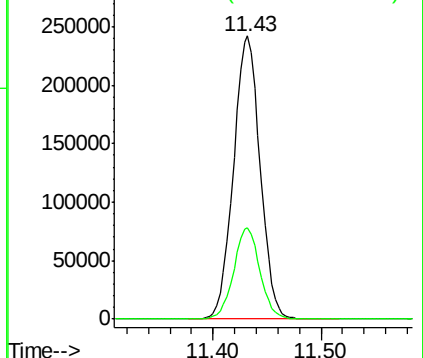
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.346 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

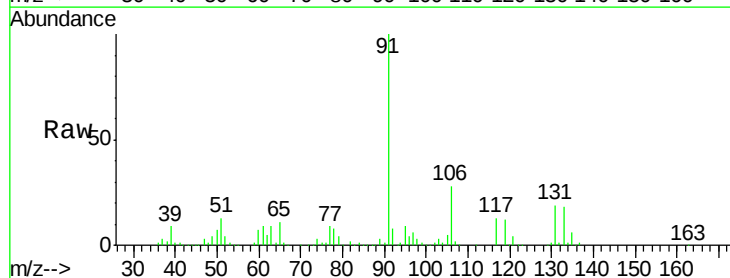
Tgt Ion:131 Resp: 153438

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

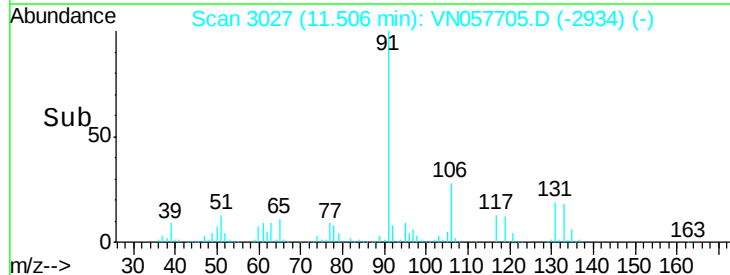
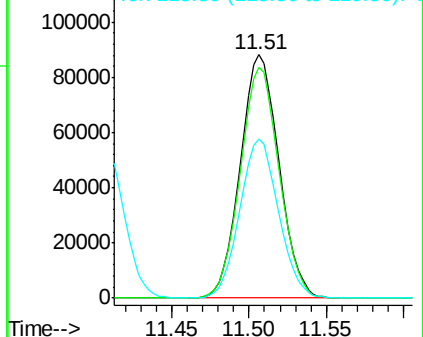
119 65.5 32.8 98.3

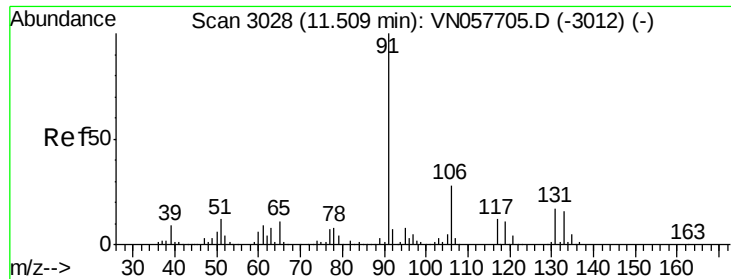


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





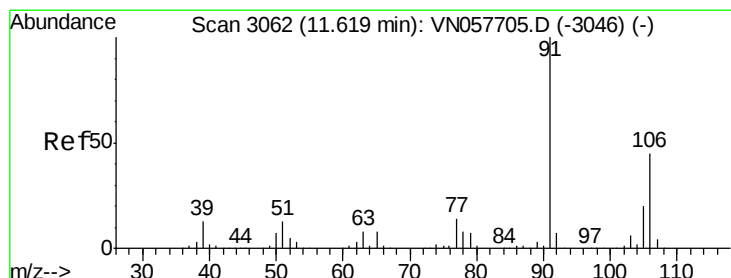
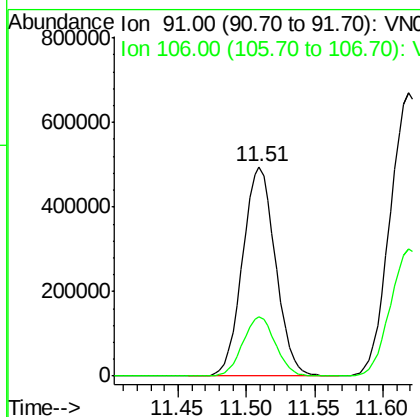
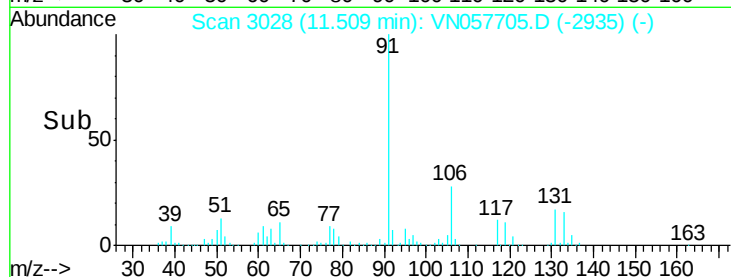
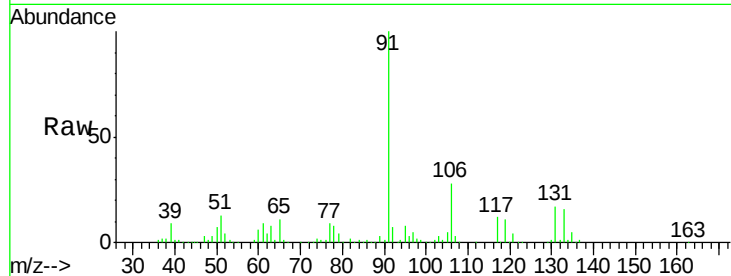
#67
Ethyl Benzene
Concen: 52.838 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 829383
Ion Ratio Lower Upper
91 100
106 28.5 22.8 34.2

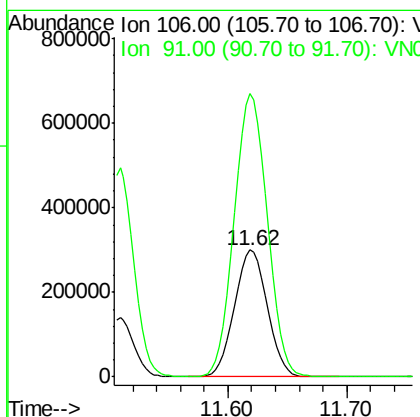
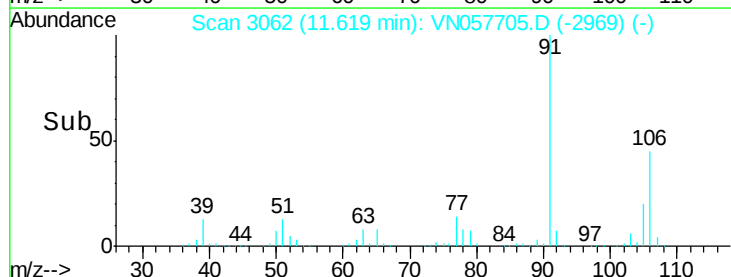
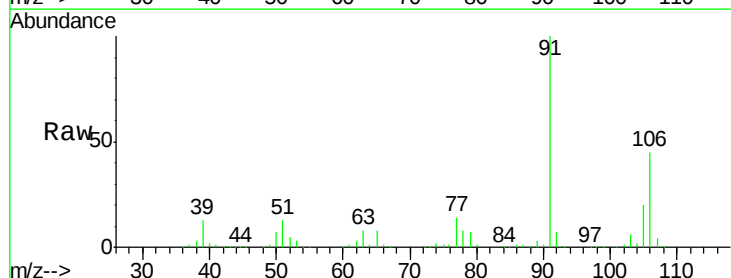
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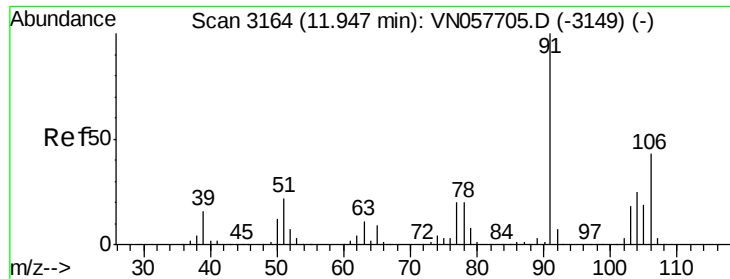
MMDadoda
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#68
m/p-Xylenes
Concen: 106.176 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion: 106 Resp: 574118
Ion Ratio Lower Upper
106 100
91 224.8 179.8 269.8





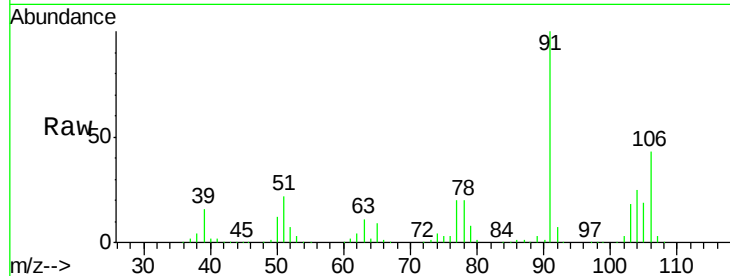
#69
o-Xylene
Concen: 52.286 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

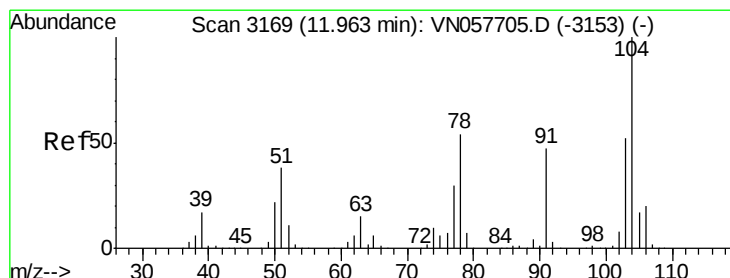
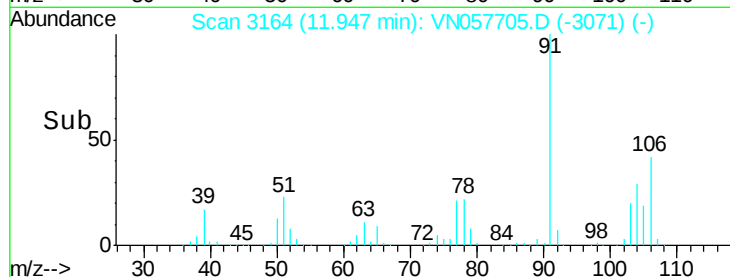
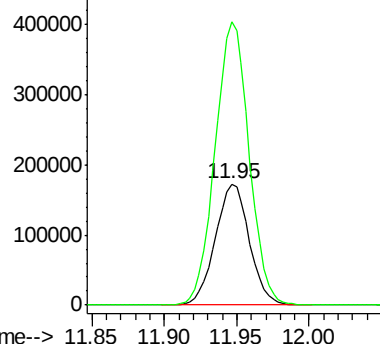
Tot Ion:106 Resp: 281736
Ion Ratio Lower Upper
106 100
91 233.6 116.8 350.4

Manual Integrations
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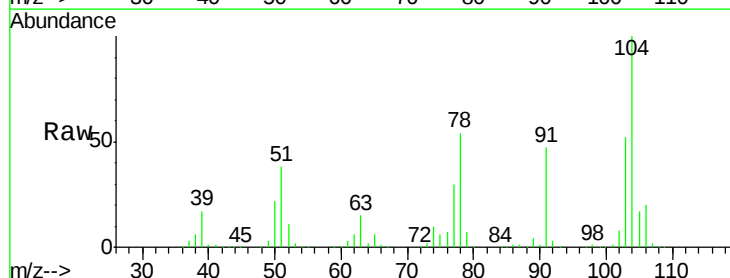


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

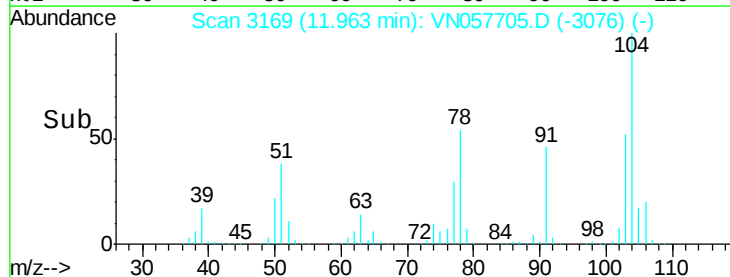
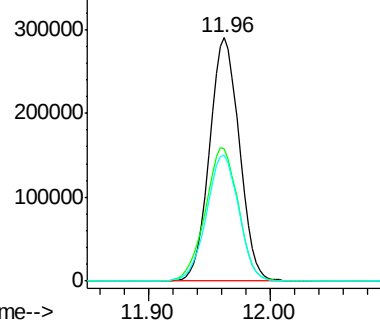


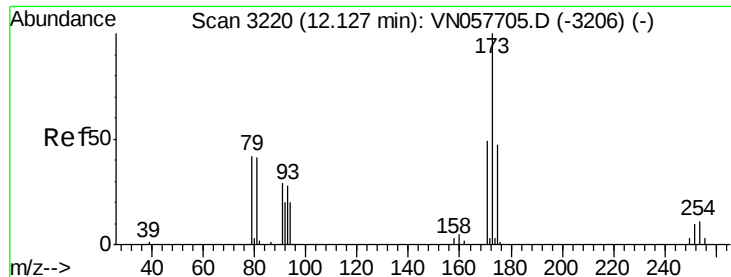
#70
Styrene
Concen: 57.096 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion:104 Resp: 490129
Ion Ratio Lower Upper
104 100
78 60.6 48.5 72.7
103 56.2 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.400 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

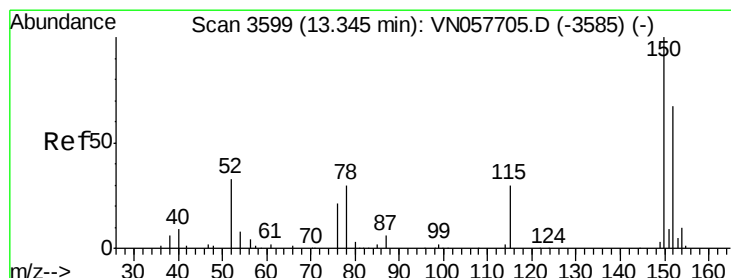
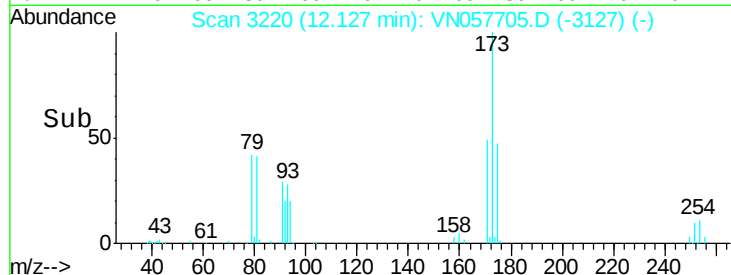
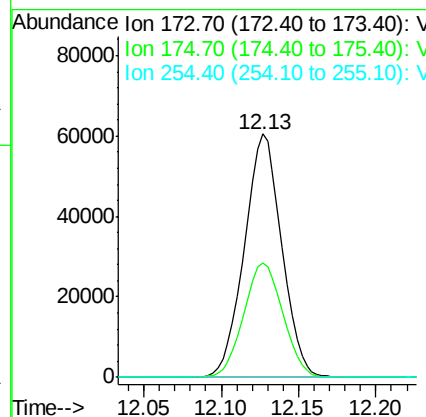
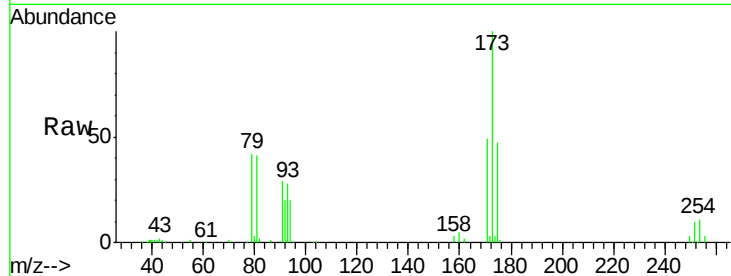
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

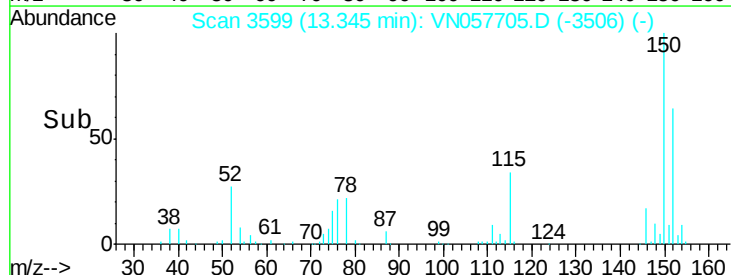
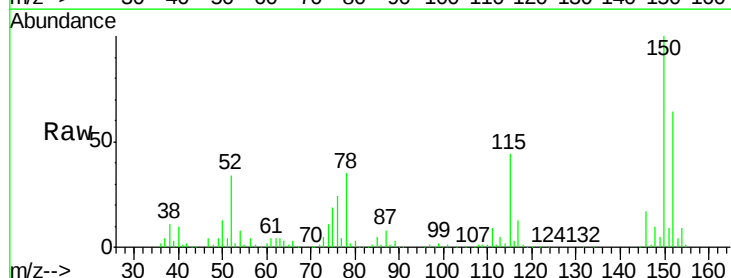
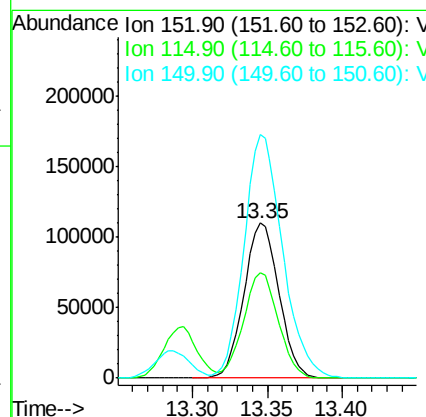
RT: 13.35 min Scan# 3599

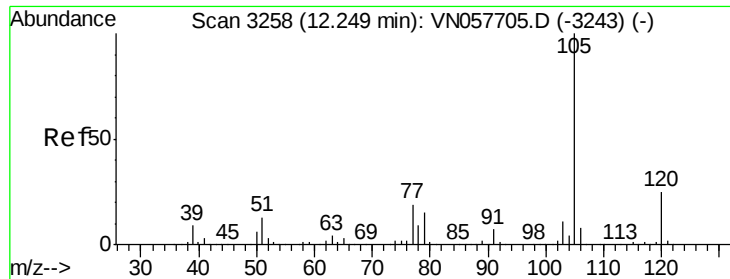
Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.5	33.8	101.3
150	172.7	0.0	345.4





#73

Isopropylbenzene

Concen: 37.165 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 105 Resp: 798953

Ion Ratio Lower Upper

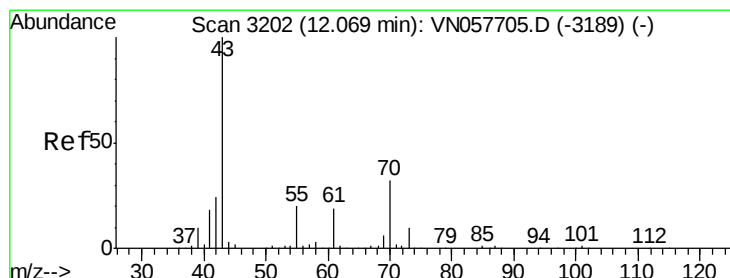
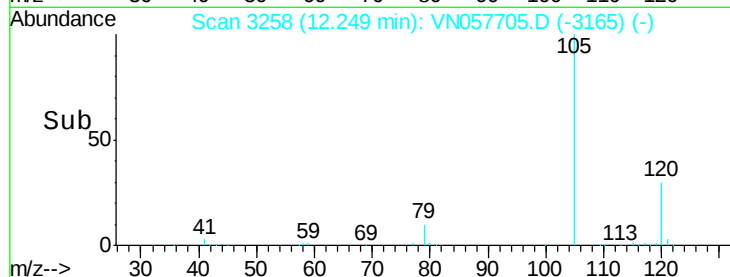
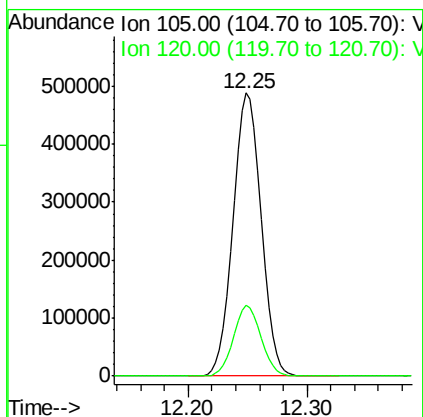
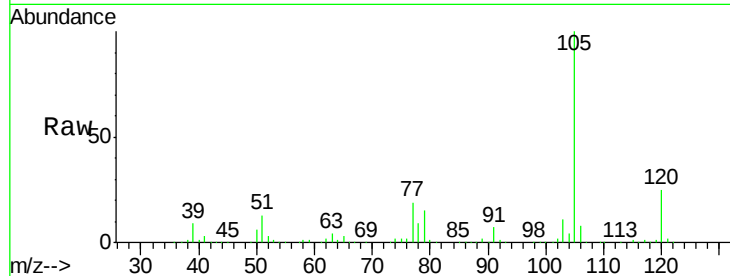
105 100

120 24.4 12.2 36.6

Manual Integrations
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9/9/2019 1:10:32 PM



#74

N-ethyl acetate

Concen: 45.466 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Tgt Ion: 43 Resp: 406128

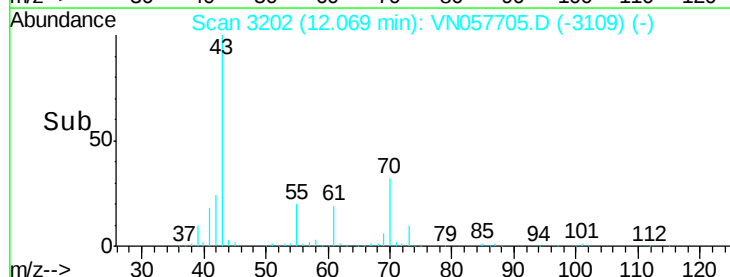
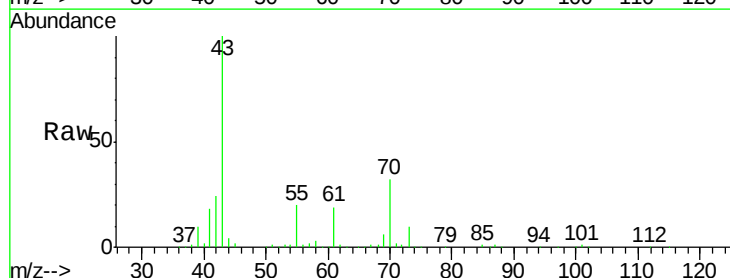
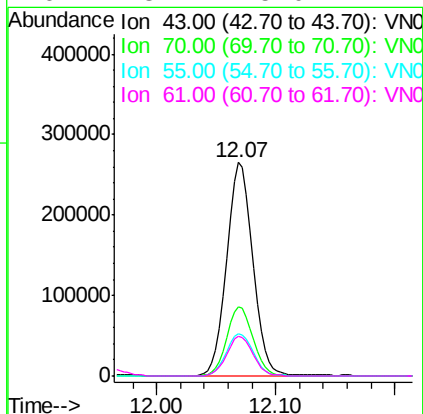
Ion Ratio Lower Upper

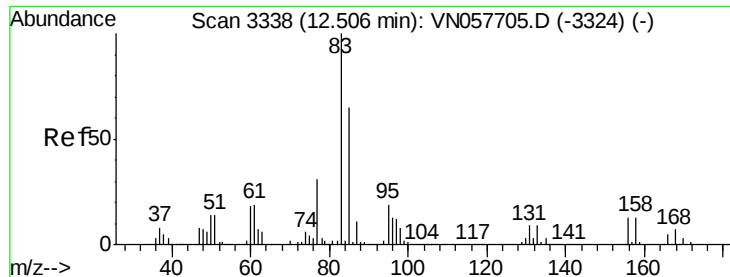
43 100

70 32.6 26.1 39.1

55 20.4 16.3 24.5

61 18.7 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 40.769 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

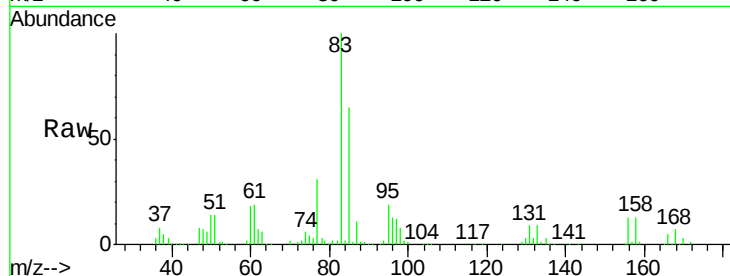
ClientSampleId :

VSTDICCC050

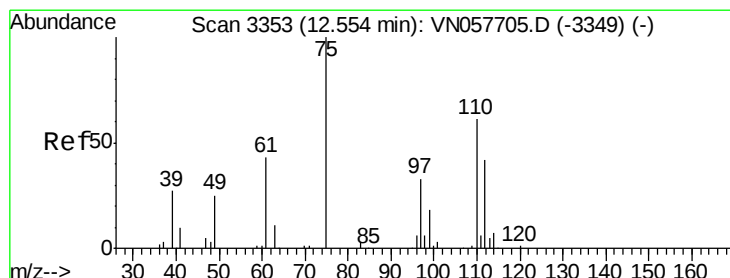
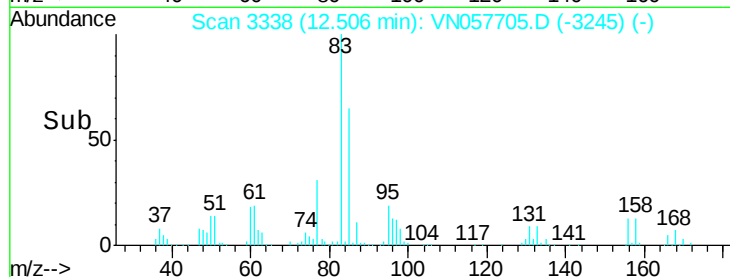
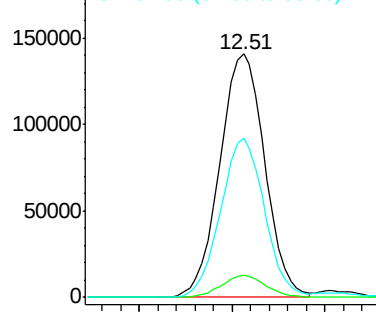
Tot Ion:	83	Resp:	237577
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.5
85	63.5	31.8	95.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057705.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 39.703 ug/l m

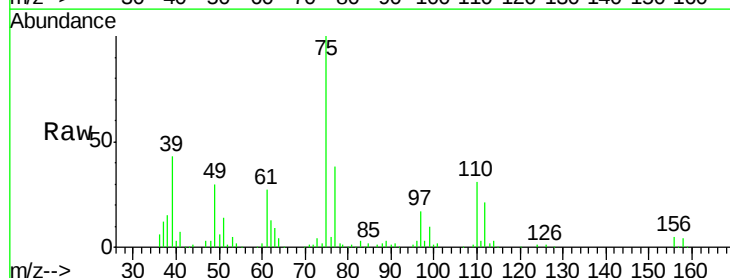
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

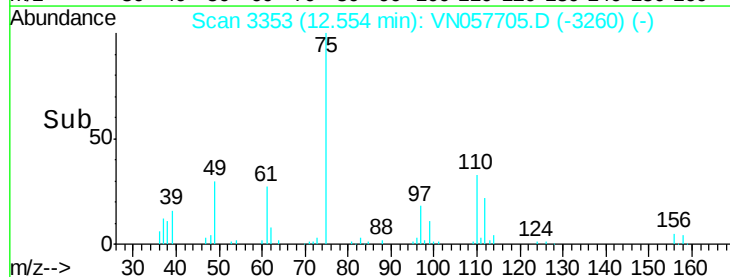
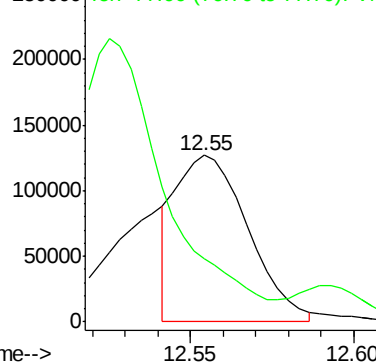
Lab File: VN057705.D

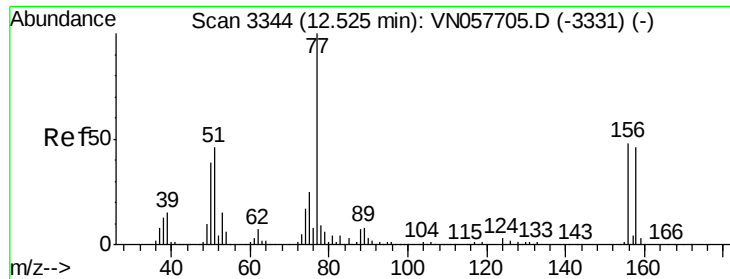
Acq: 5 Sep 2019 18:54

Tgt Ion:	75	Resp:	195436
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-3349) (-)





#77

Bromobenzene

Concen: 37.653 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

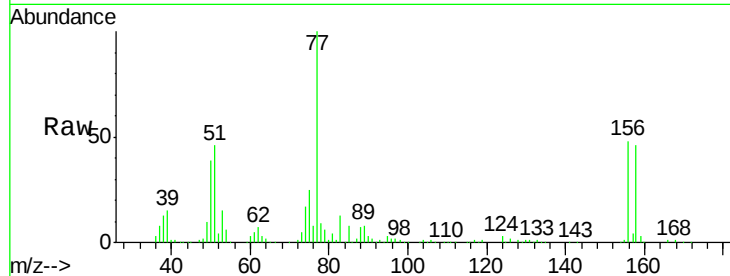
ClientSampled :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	250.8	125.4	376.2
158	98.6	49.3	147.9

Manual Integrations
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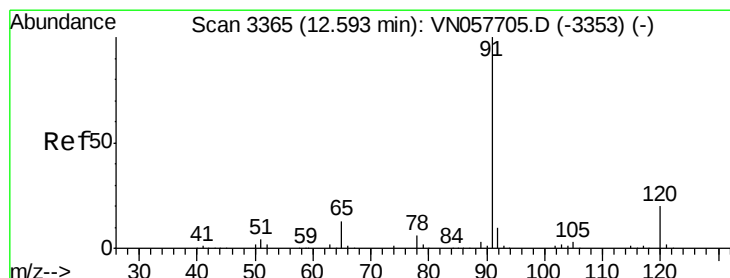
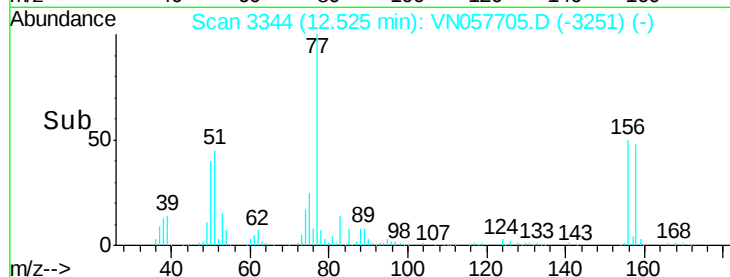
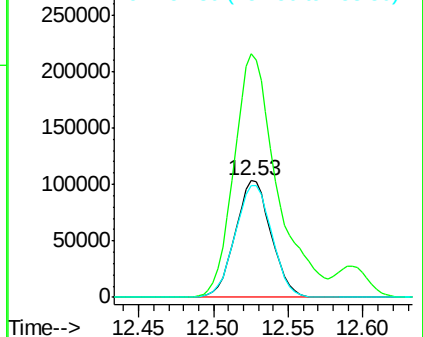
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 41.197 ug/l

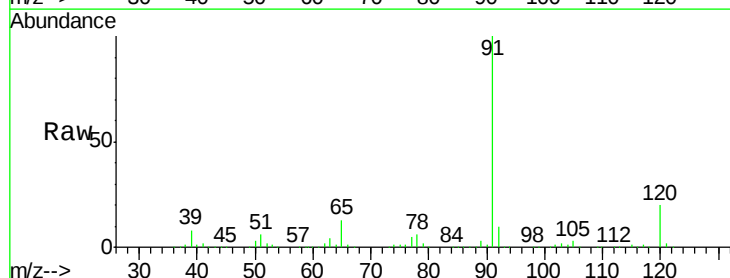
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057705.D

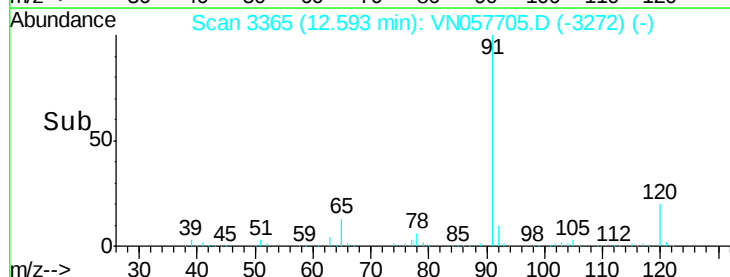
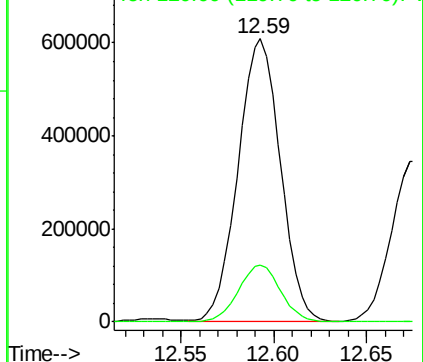
Acq: 5 Sep 2019 18:54

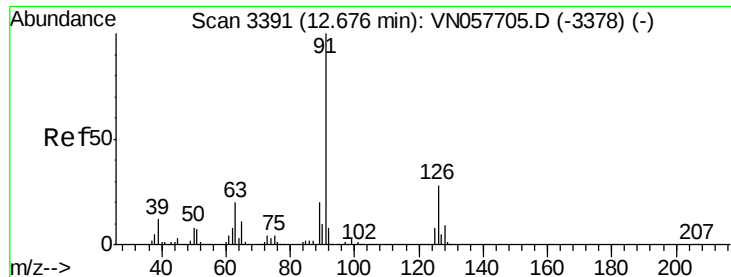
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.0	30.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 39.517 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 571732

Ion Ratio Lower Upper

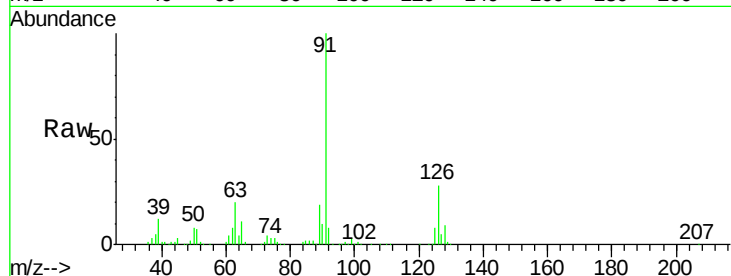
91 100

126 29.0 14.5 43.5

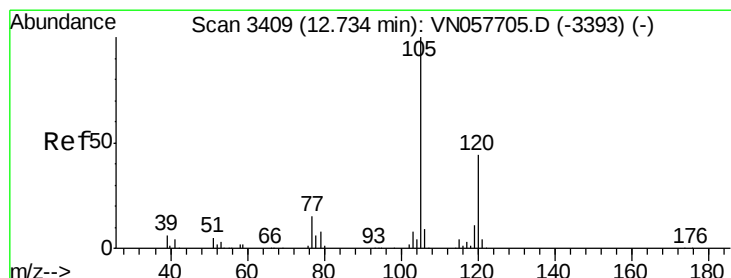
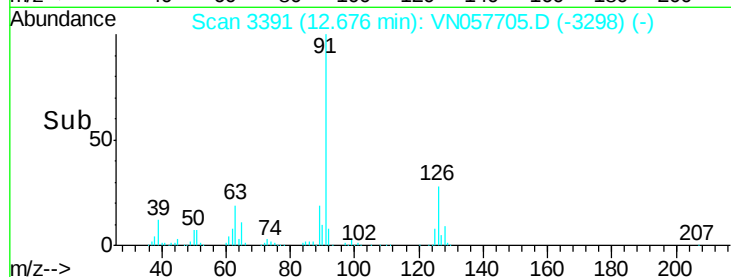
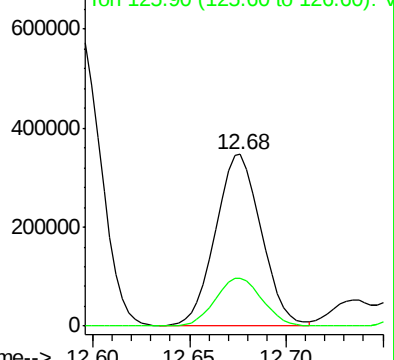
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057705.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 38.714 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057705.D

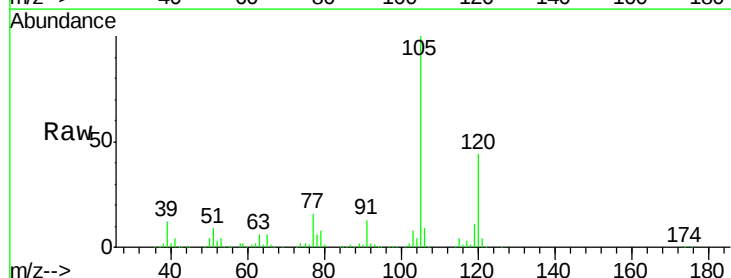
Acq: 5 Sep 2019 18:54

Tgt Ion: 105 Resp: 677405

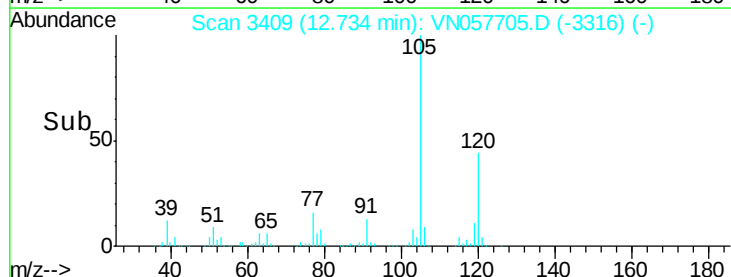
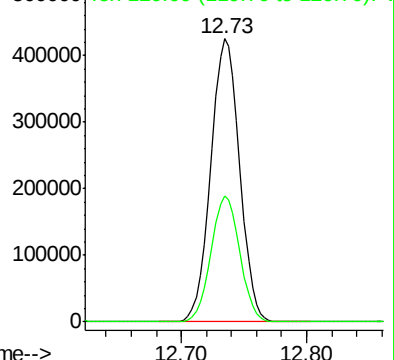
Ion Ratio Lower Upper

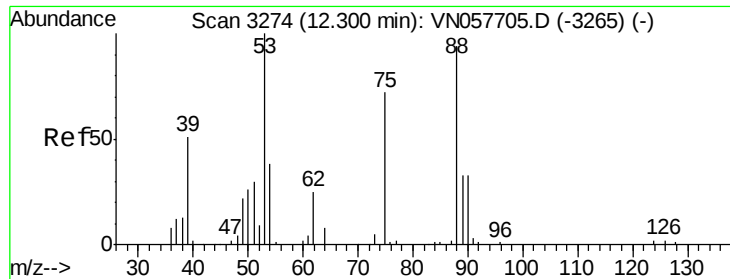
105 100

120 44.5 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): VN057705.D (-3393) (-)





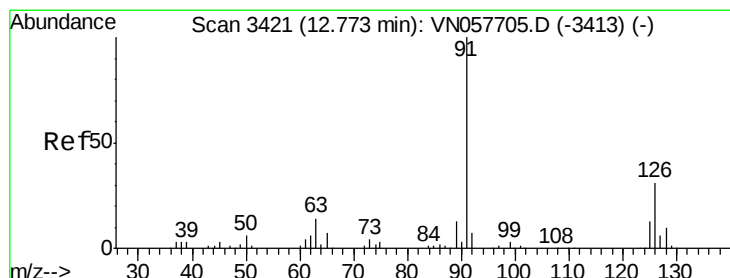
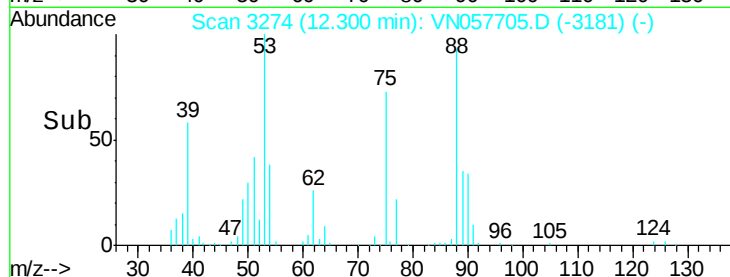
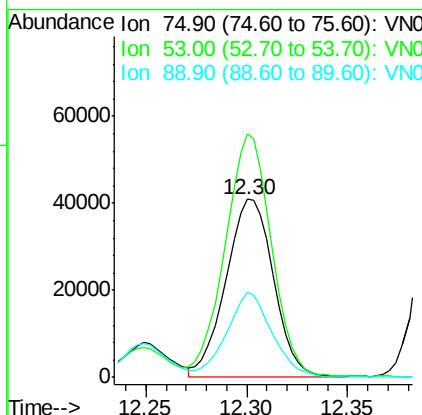
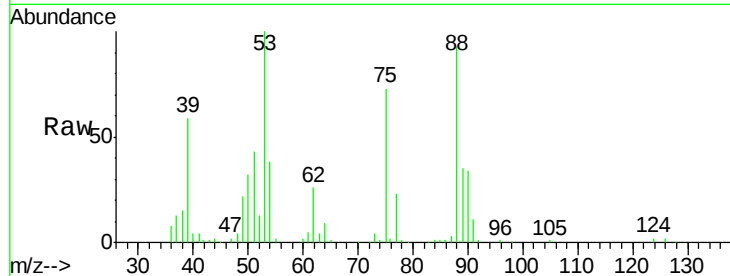
#81
trans-1,4-Dichloro-2-butene
Concen: 46.488 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	133.8	107.0	160.6
89	45.6	36.5	54.7

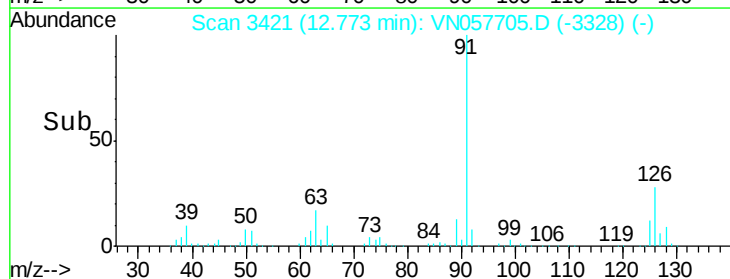
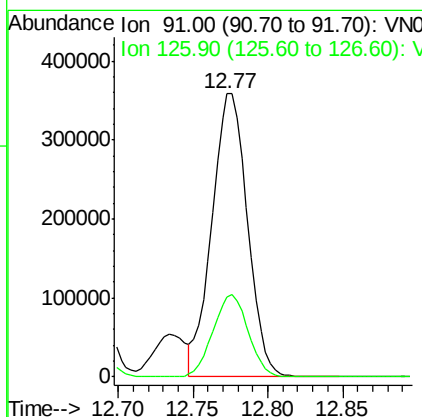
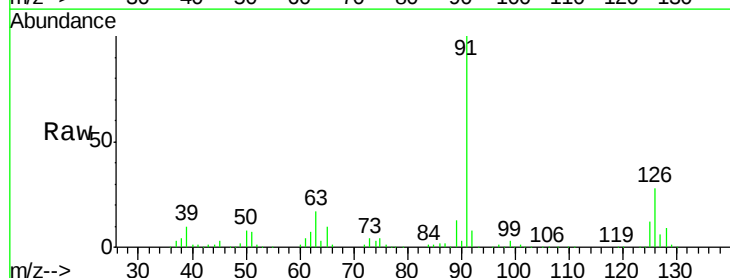
Manual Integrations
APPROVED

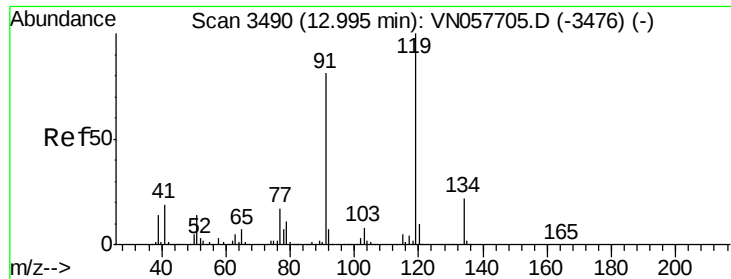
MMDadoda
9/9/2019 1:10:32 PM



#82
4-Chlorotoluene
Concen: 43.272 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.4	43.4





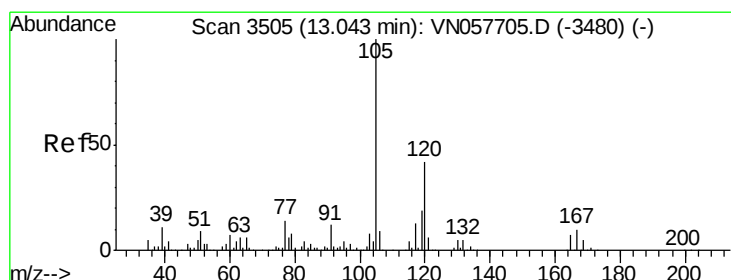
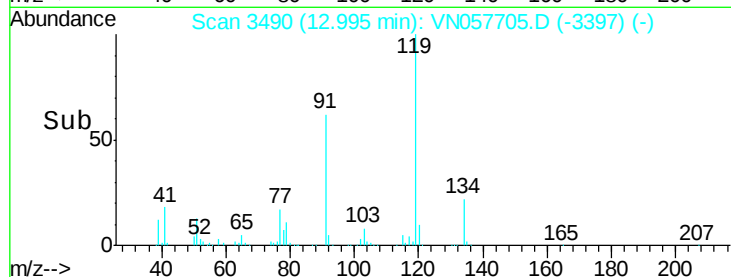
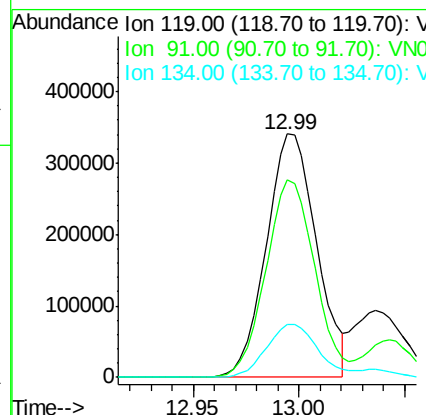
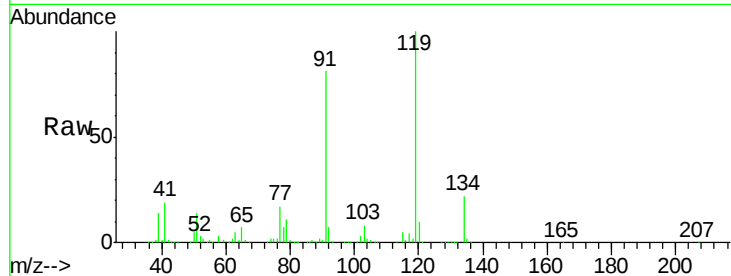
#83
tert-Butylbenzene
Concen: 36.593 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	79.2	39.6	118.8
134	22.5	11.3	33.8

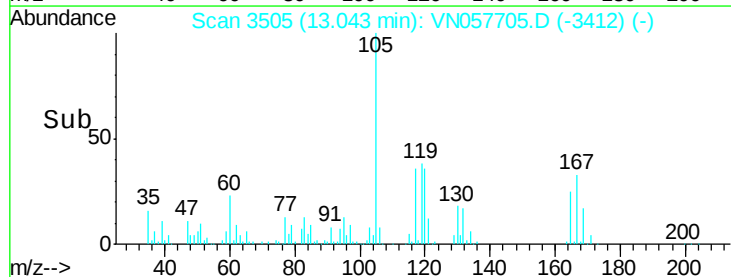
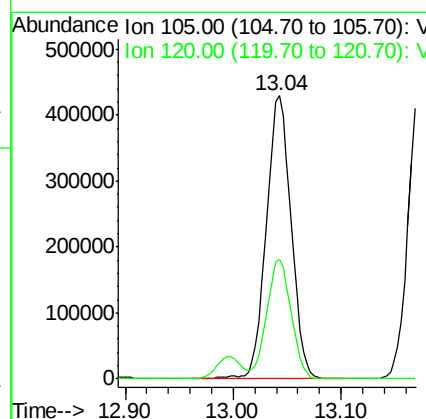
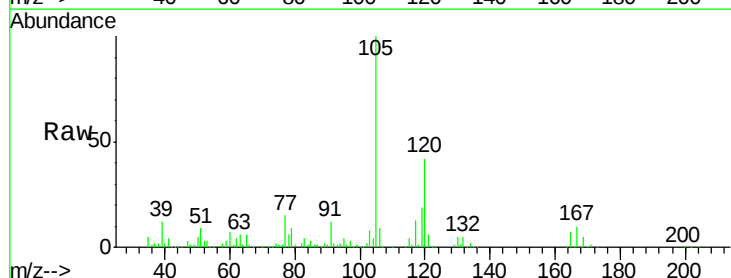
Manual Integrations
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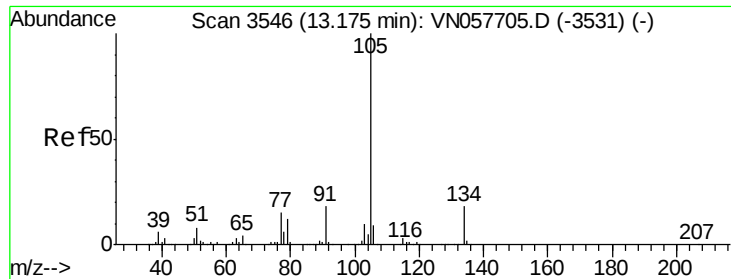
MMDadoda
9/9/2019 1:10:32 PM



#84
1,2,4-Trimethylbenzene
Concen: 42.700 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.7	20.8	62.5





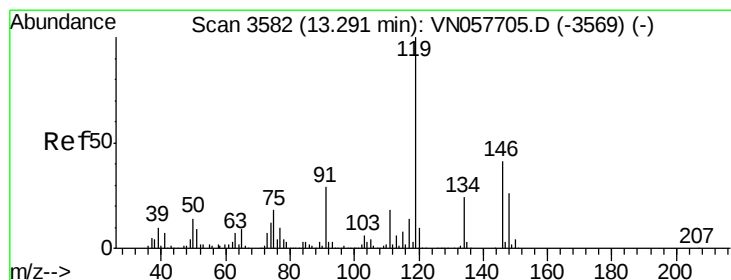
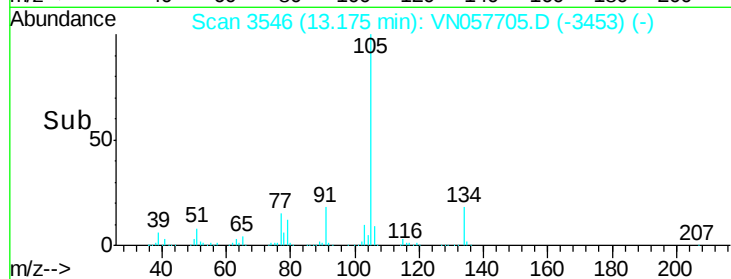
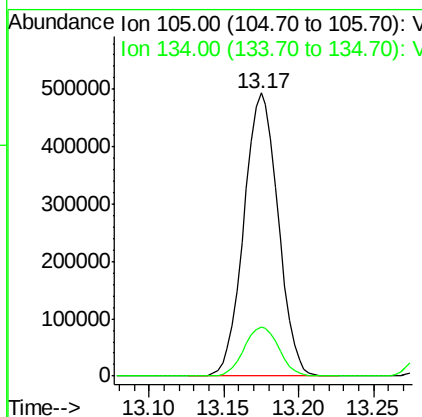
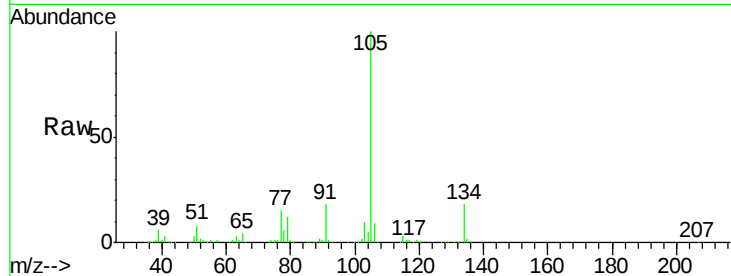
#85
 sec-Butylbenzene
 Concen: 40.534 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	785879		
134	17.7	8.8	26.5	

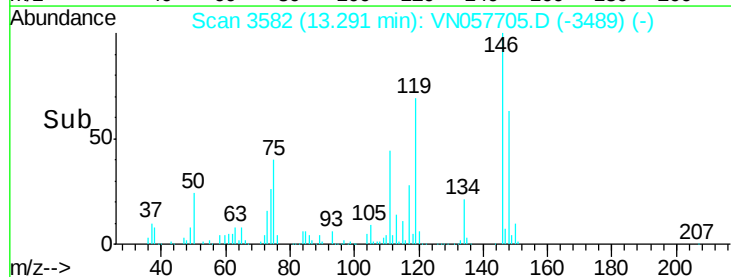
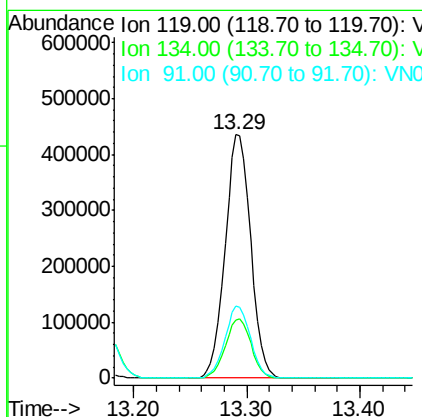
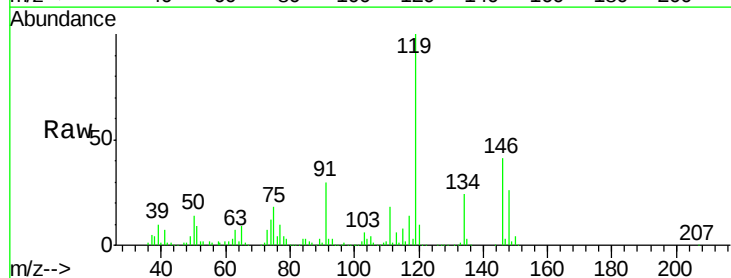
Manual Integrations
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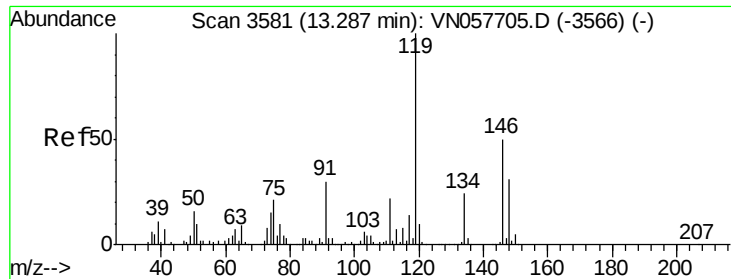
MMDadoda
 9/9/2019 1:10:32 PM



#86
 p-Isopropyltoluene
 Concen: 42.558 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	680505		
134	24.7	12.4	37.0	
91	29.5	14.8	44.3	





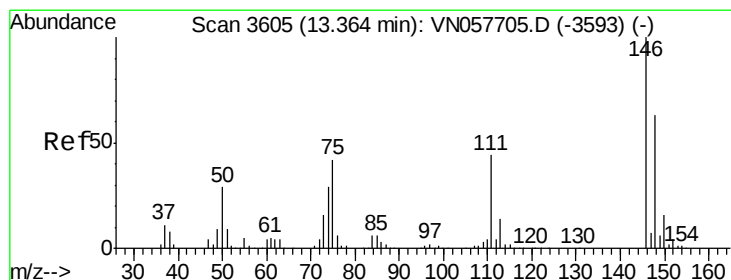
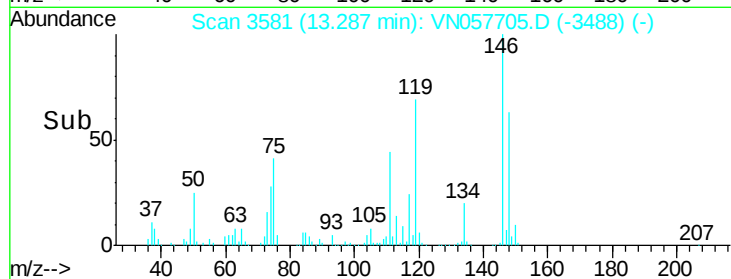
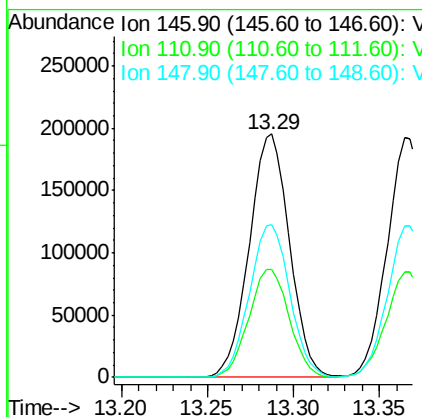
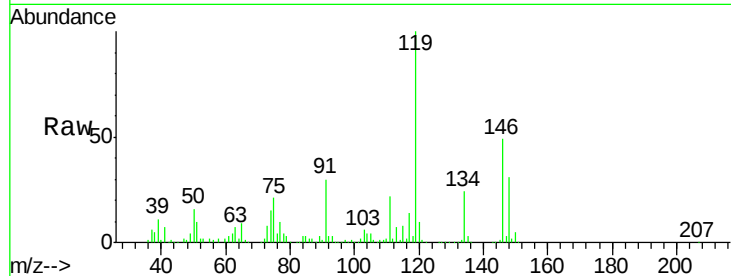
#87
 1,3-Dichlorobenzene
 Concen: 50.275 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	317437		
111	44.5	22.3	66.8	
148	63.0	31.5	94.5	

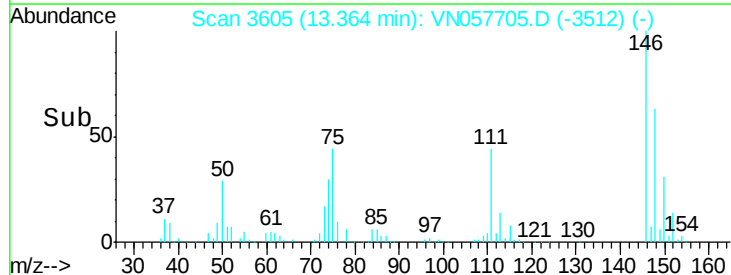
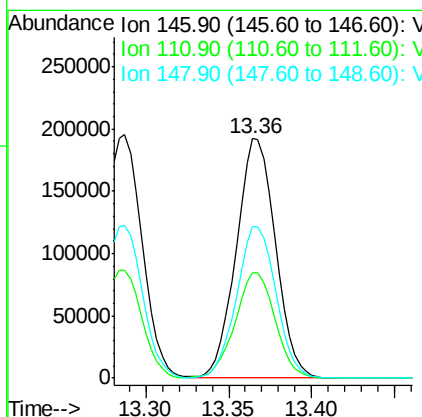
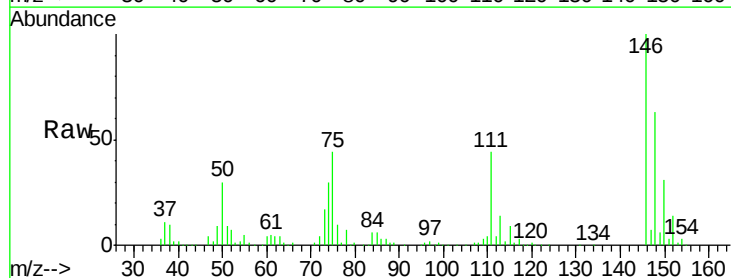
Manual Integrations
 APPROVED

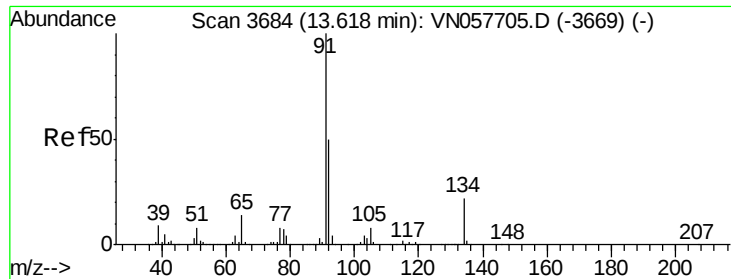
MMDadoda
 9/9/2019 1:10:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.177 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	316188		
111	44.6	22.3	66.9	
148	63.8	31.9	95.7	





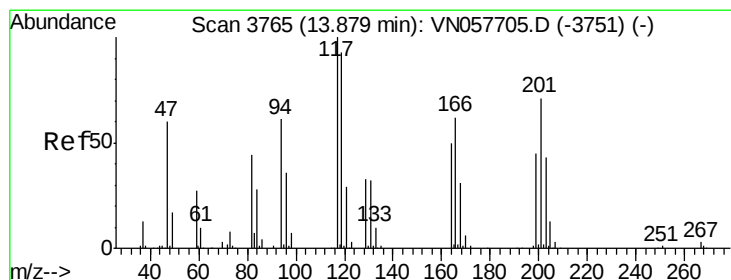
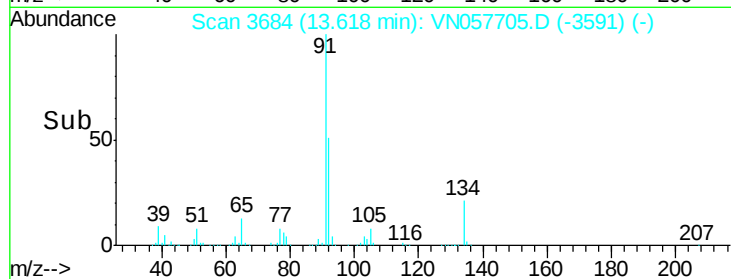
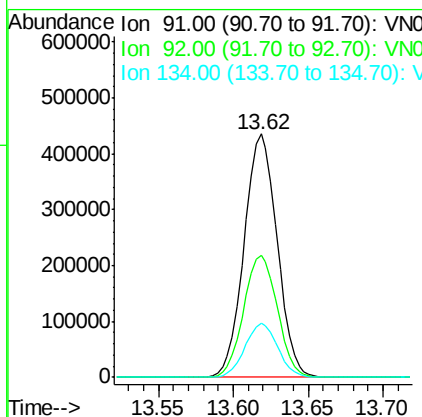
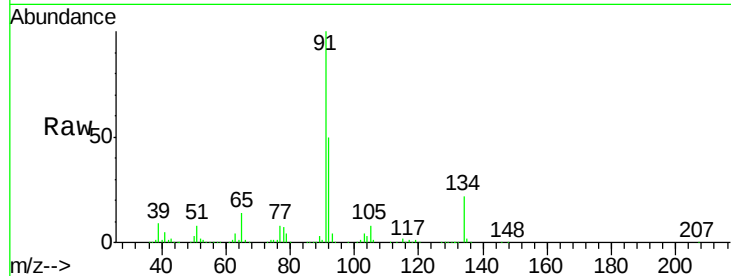
#89
n-Butylbenzene
Concen: 47.976 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.6	76.8
134	22.3	11.2	33.5

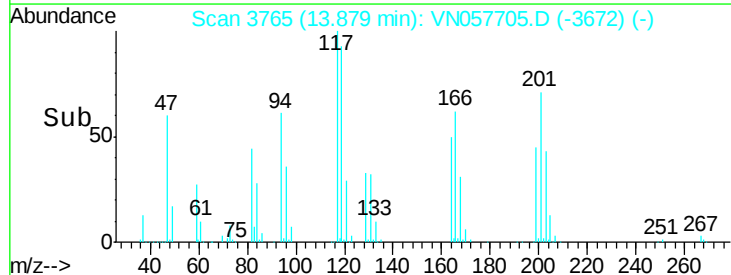
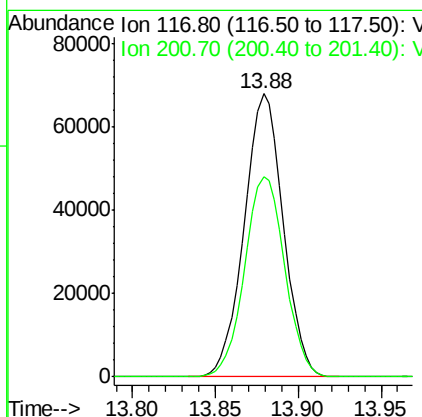
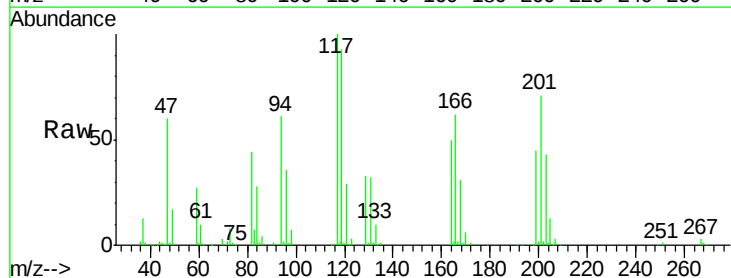
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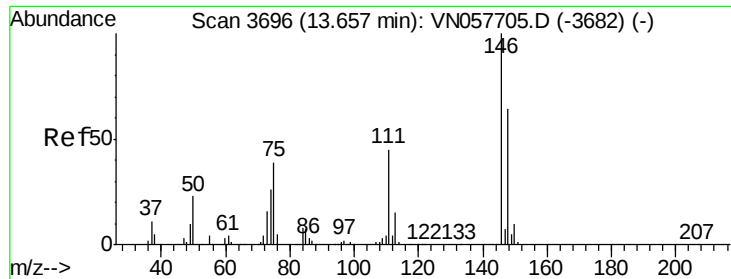
MMDadoda
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#90
Hexachloroethane
Concen: 39.067 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057705.D
Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.8	36.4	109.2





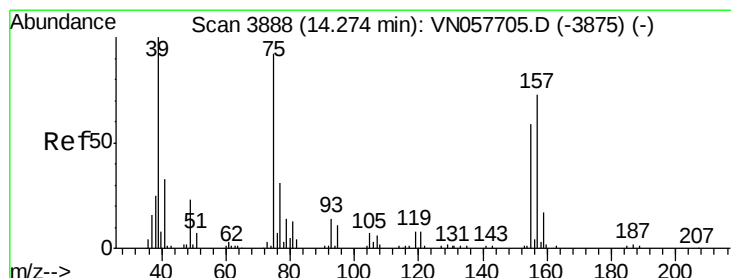
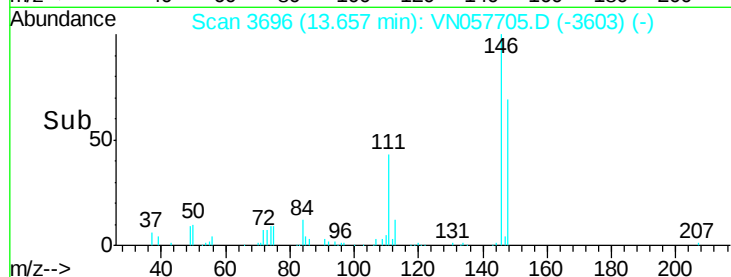
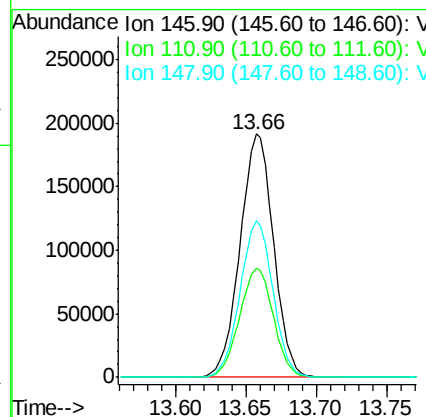
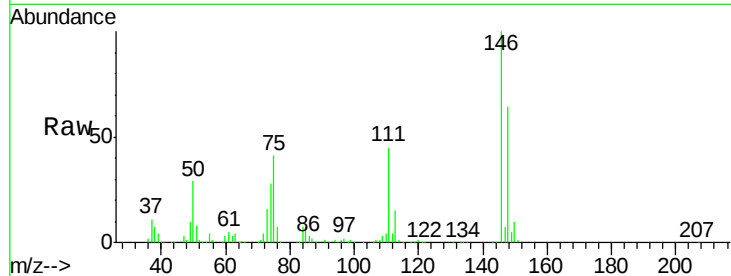
#91
 1,2-Dichlorobenzene
 Concen: 53.106 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.8	68.3
148	63.3	31.6	95.0

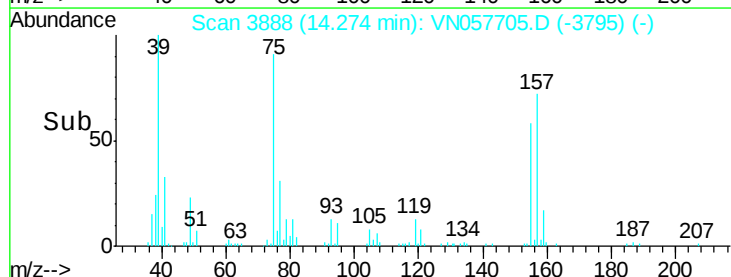
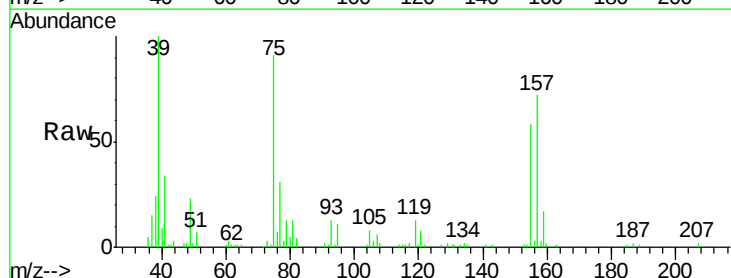
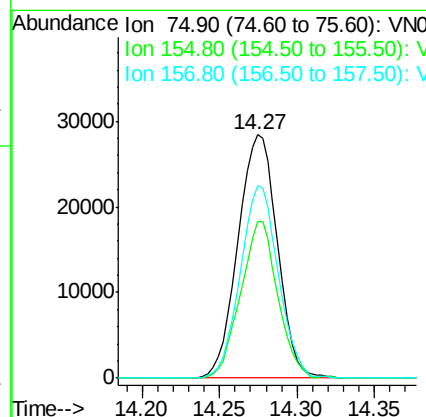
Manual Integrations
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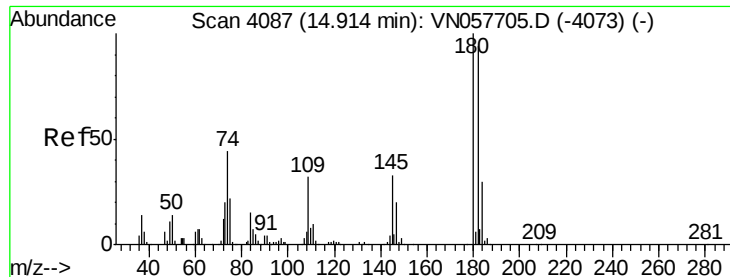
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.482 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.3	30.1	90.5
157	76.3	38.1	114.5





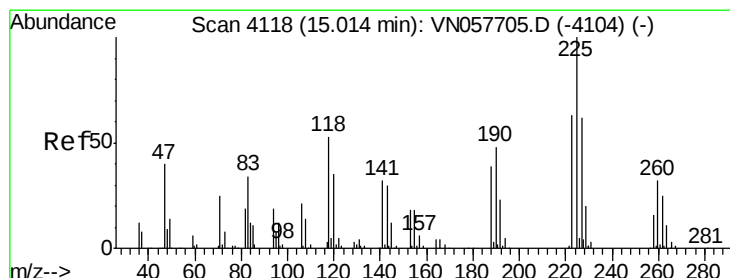
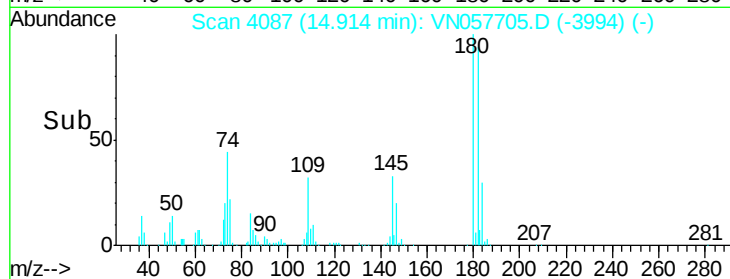
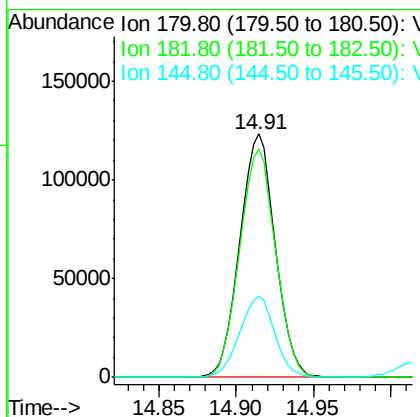
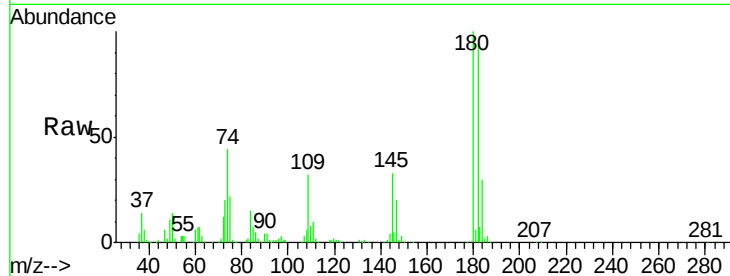
#93
 1,2,4-Trichlorobenzene
 Concen: 89.530 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	196697		
182	95.3	47.6	142.9	
145	33.1	16.6	49.7	

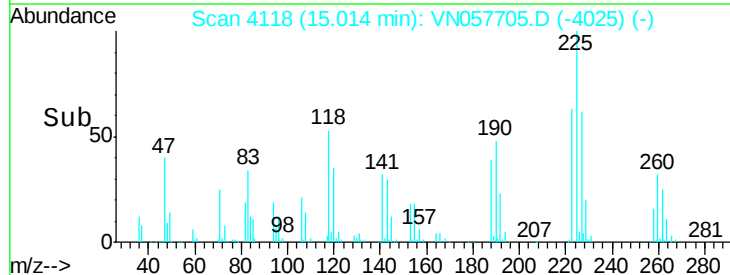
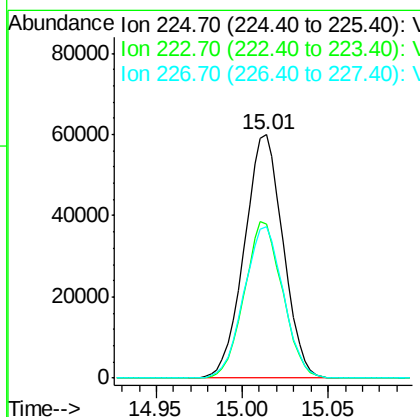
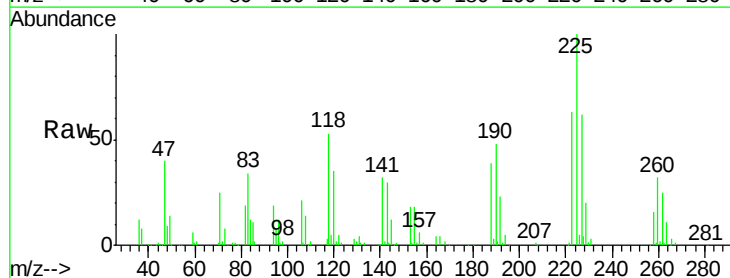
Manual Integrations
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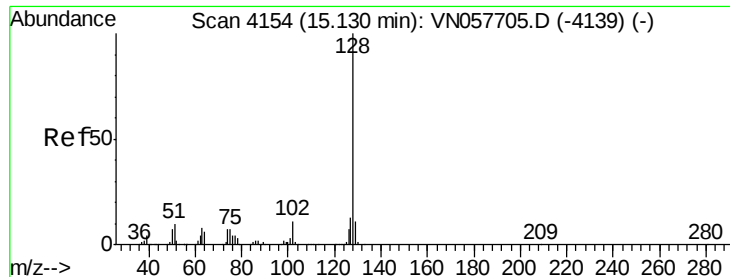
MMDadoda
 9/9/2019 1:10:32 PM



#94
 Hexachlorobutadiene
 Concen: 38.580 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057705.D
 Acq: 5 Sep 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93745		
223	63.3	31.6	95.0	
227	63.4	31.7	95.1	





#95

Naphthalene

Concen: 97.650 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Instrument :

MSVOA_N

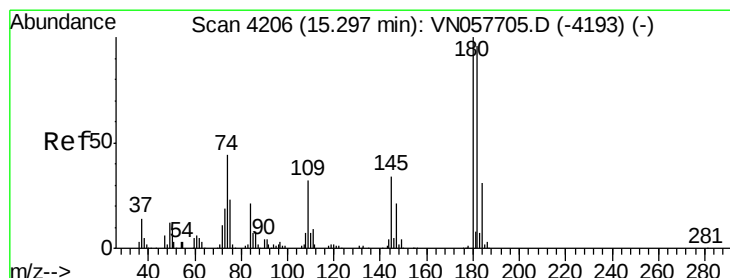
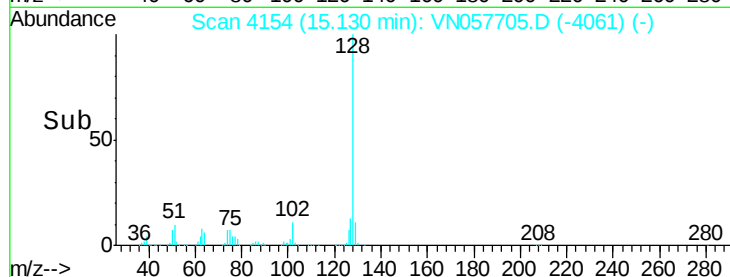
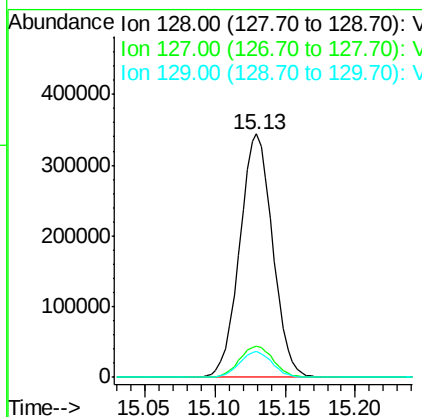
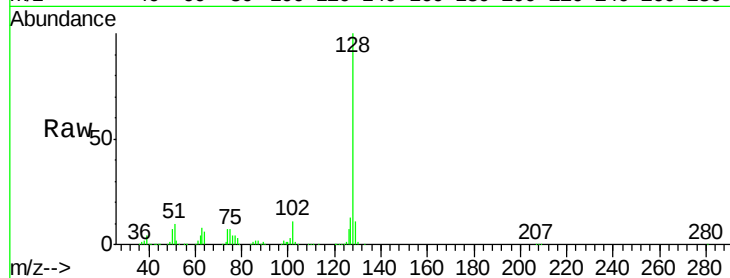
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	562898
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.5	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 90.598 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057705.D

Acq: 5 Sep 2019 18:54

Tgt Ion:	180	Resp:	185885
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.0	141.2
145	35.1	17.5	52.6

