

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057746.D
 Acq On : 7 Sep 2019 12:32
 Operator : JC/SP
 Sample : VN0907WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:03:12 PM

Quant Time: Sep 08 07:53:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	212584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	304668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	240269	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	7.57	113	158479	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.08	98	581566	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	220957	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62538	18.525	ug/l	97
3) Chloromethane	2.03	50	59398	12.217	ug/l	97
4) Vinyl Chloride	2.16	62	54080	18.498	ug/l	95
5) Bromomethane	2.54	94	29731	22.142	ug/l	91
6) Chloroethane	2.68	64	30895	17.900	ug/l	90
7) Trichlorofluoromethane	3.00	101	79398	16.922	ug/l	98
8) Diethyl Ether	3.39	74	34269	18.279	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	56477	19.287	ug/l	94
10) Methyl Iodide	3.93	142	65837	22.692	ug/l	96
11) Tert butyl alcohol	4.76	59	48752	82.971	ug/l	99
12) 1,1-Dichloroethene	3.71	96	48188	18.290	ug/l	97
13) Acrolein	3.59	56	22336	79.932	ug/l	96
14) Allyl chloride	4.30	41	105319	17.493	ug/l	98
15) Acrylonitrile	4.96	53	147576	97.691	ug/l	97
16) Acetone	3.80	43	146856	92.277	ug/l	98
17) Carbon Disulfide	4.03	76	99081	16.599	ug/l	99
18) Methyl Acetate	4.30	43	77906	18.001	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	198846	17.978	ug/l	99
20) Methylene Chloride	4.52	84	60976	17.720	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	52666	18.997	ug/l	89
22) Diisopropyl ether	5.93	45	234673	18.426	ug/l	94
23) Vinyl Acetate	5.87	43	950001	92.157	ug/l	99
24) 1,1-Dichloroethane	5.82	63	120975	18.525	ug/l #	97
25) 2-Butanone	6.82	43	216354	94.929	ug/l	99
26) 2,2-Dichloropropane	6.81	77	97361	17.871	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	65944	18.951	ug/l	95
28) Bromochloromethane	7.18	49	63226	18.504	ug/l	97
29) Tetrahydrofuran	7.19	42	138216	94.038	ug/l	99
30) Chloroform	7.36	83	128950	18.950	ug/l	99
31) Cyclohexane	7.64	56	102946	17.735	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	104502	18.437	ug/l	99
36) 1,1-Dichloropropene	7.78	75	83980	19.023	ug/l	98
37) Ethyl Acetate	6.91	43	89268	20.368	ug/l	97
38) Carbon Tetrachloride	7.76	117	85274	20.173	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	89668	19.202	ug/l	97
40) Benzene	8.03	78	250037	20.024	ug/l	99
41) Methacrylonitrile	7.17	41	48347m	22.566	ug/l	
42) 1,2-Dichloroethane	8.11	62	113616	19.411	ug/l	99
43) Isopropyl Acetate	8.15	43	157395	18.709	ug/l #	95
44) Trichloroethene	8.82	130	59138	21.072	ug/l	96
45) 1,2-Dichloropropane	9.11	63	71270	20.407	ug/l	99
46) Dibromomethane	9.20	93	45227	20.189	ug/l	96
47) Bromodichloromethane	9.40	83	92767	19.485	ug/l #	98
48) Methyl methacrylate	9.19	41	77720	17.963	ug/l	97
49) 1,4-Dioxane	9.19	88	19254	382.474	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	473877	101.429	ug/l	99
52) Toluene	10.15	92	152354	20.130	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	87008	18.216	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	98280	19.045	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	61863	20.311	ug/l	97
56) Ethyl methacrylate	10.43	69	96058	19.759	ug/l	97
57) 1,3-Dichloropropane	10.70	76	108372	19.808	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	242522	98.331	ug/l	99
59) 2-Hexanone	10.75	43	334933	101.664	ug/l	98
60) Dibromochloromethane	10.90	129	59950	19.431	ug/l	99
61) 1,2-Dibromoethane	11.00	107	62059	21.224	ug/l	100
64) Tetrachloroethene	10.63	164	50067	21.078	ug/l	92
65) Chlorobenzene	11.43	112	165087	20.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59881	21.654	ug/l	95
67) Ethyl Benzene	11.51	91	308404	20.112	ug/l	99
68) m/p-Xylenes	11.62	106	215902	40.879	ug/l	98
69) o-Xylene	11.95	106	103587	19.808	ug/l	96
70) Styrene	11.96	104	183509	20.280	ug/l	97
71) Bromoform	12.13	173	35433	19.277	ug/l #	99
73) Isopropylbenzene	12.25	105	301655	19.452	ug/l	99
74) N-amyl acetate	12.07	43	137883	17.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	91803	19.742	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	74771m	18.562	ug/l	
77) Bromobenzene	12.53	156	71723	21.289	ug/l	86
78) n-propylbenzene	12.59	91	350769	19.038	ug/l	97
79) 2-Chlorotoluene	12.68	91	208858	18.621	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	256227	19.450	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20074	15.499	ug/l	93
82) 4-Chlorotoluene	12.78	91	217723	18.847	ug/l	98
83) tert-Butylbenzene	13.00	119	220396	19.845	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	251813	19.297	ug/l	100
85) sec-Butylbenzene	13.17	105	291044	19.022	ug/l	98
86) p-Isopropyltoluene	13.29	119	254987	19.665	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	125461	19.920	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	126638	20.099	ug/l	100
89) n-Butylbenzene	13.62	91	238958	18.634	ug/l	100
90) Hexachloroethane	13.88	117	38706	19.051	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	126963	20.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17612	19.224	ug/l	95

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Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75356	20.313	ug/l	98
94) Hexachlorobutadiene	15.01	225	40095	22.174	ug/l	98
95) Naphthalene	15.13	128	208787	19.400	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	73057	20.545	ug/l	99

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

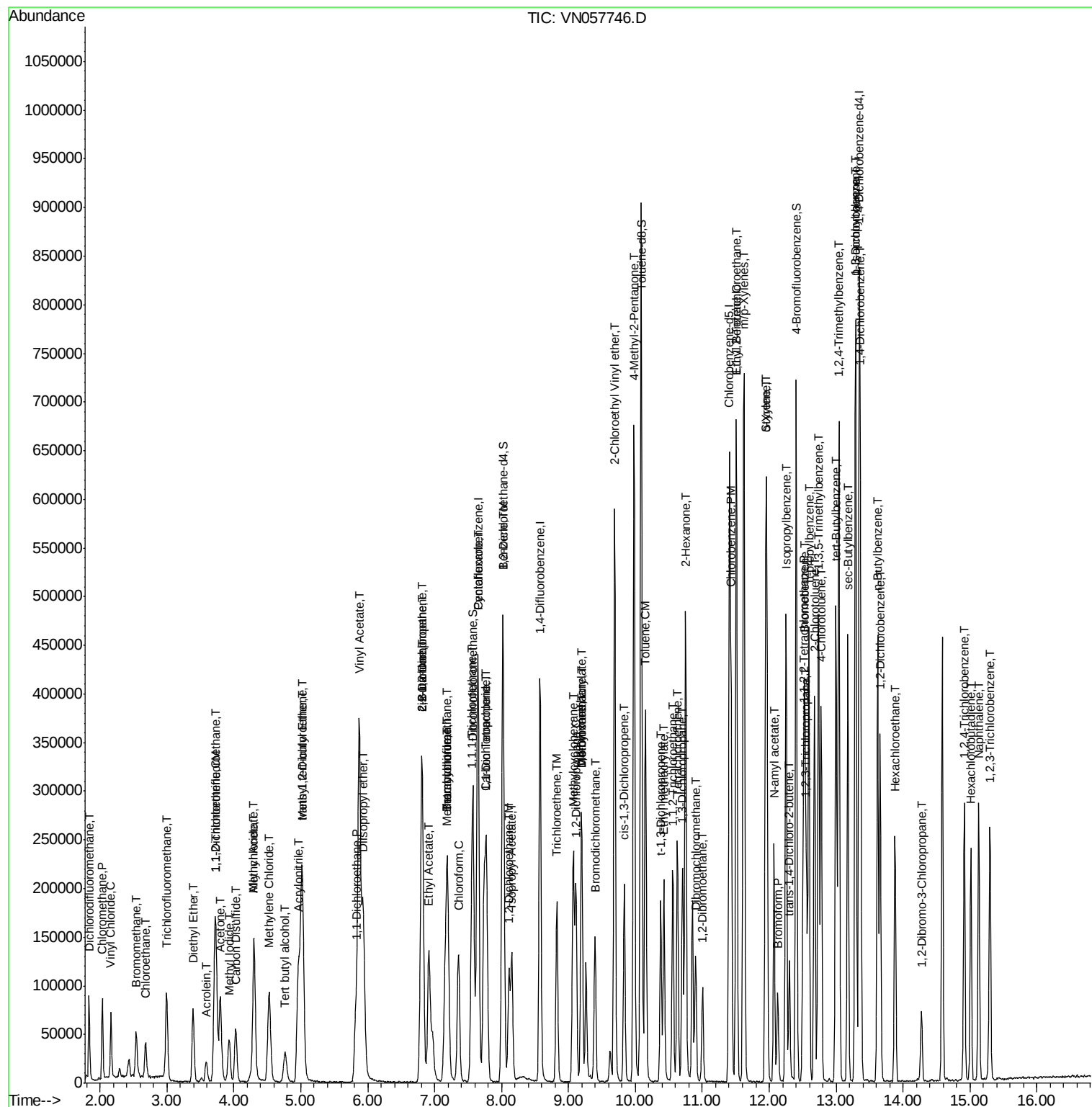
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
Data File : VN057746.D
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Operator : JC/SP
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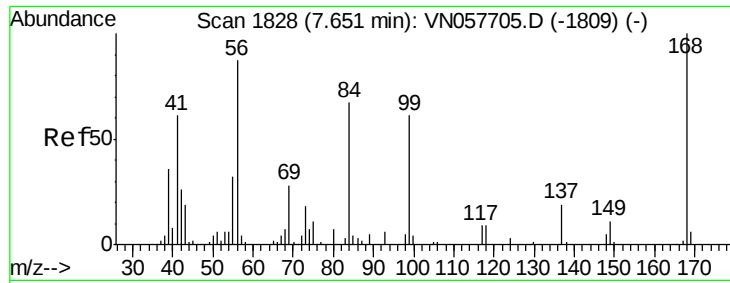
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion:168 Resp: 212584

Ion Ratio Lower Upper

168 100

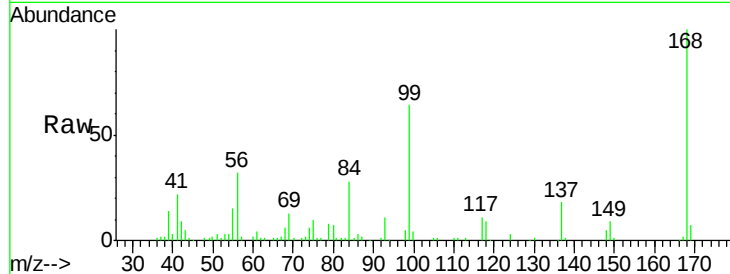
99 63.1 57.4 86.0

Manual Integrations

APPROVED

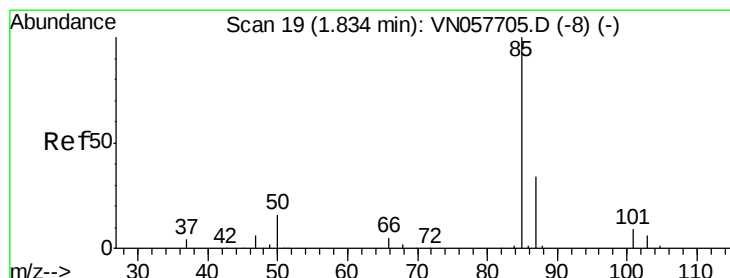
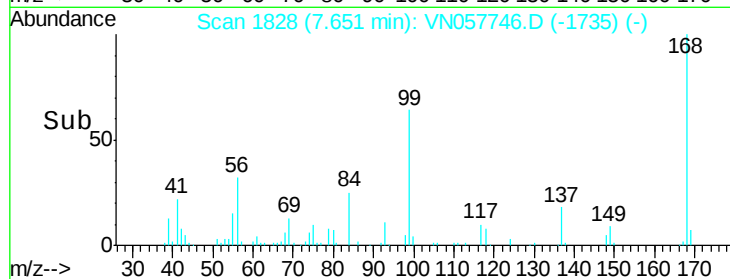
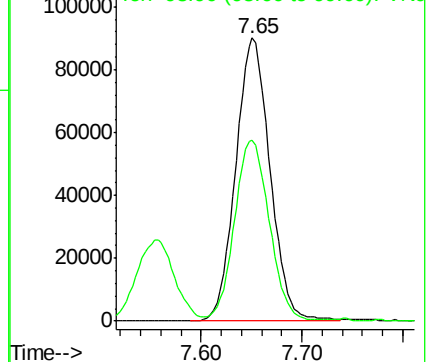
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.525 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057746.D

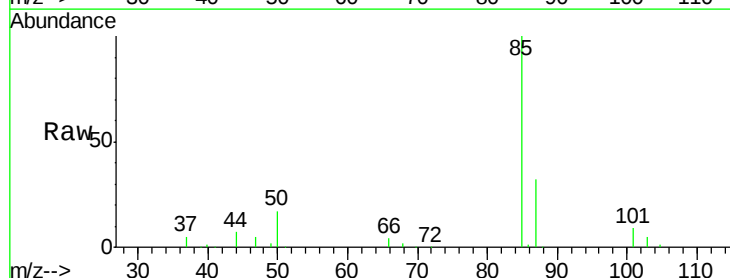
Acq: 7 Sep 2019 12:32

Tgt Ion: 85 Resp: 62538

Ion Ratio Lower Upper

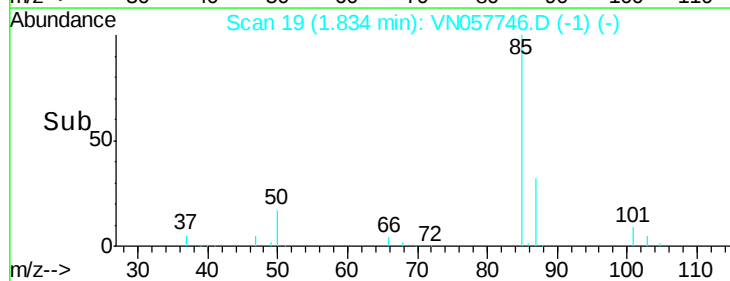
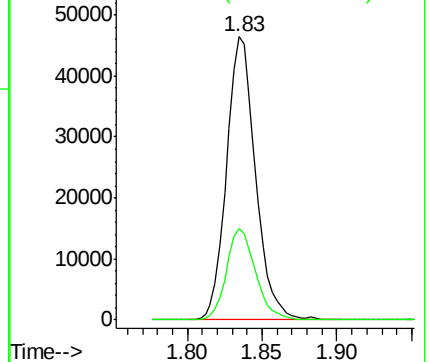
85 100

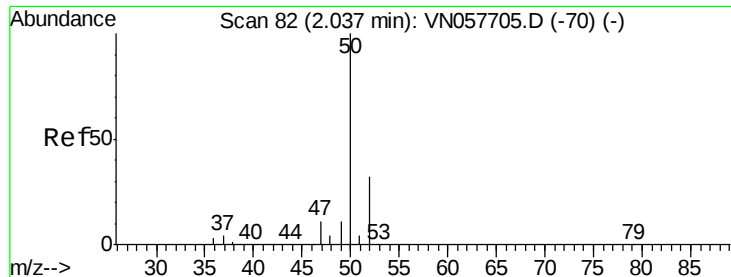
87 32.5 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 12.217 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 50 Resp: 59398

Ion Ratio Lower Upper

50 100

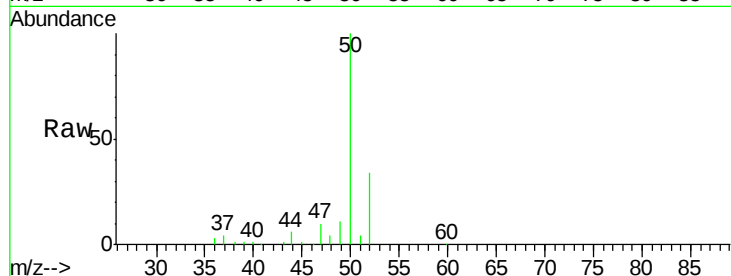
52 34.2 26.0 39.0

Manual Integrations

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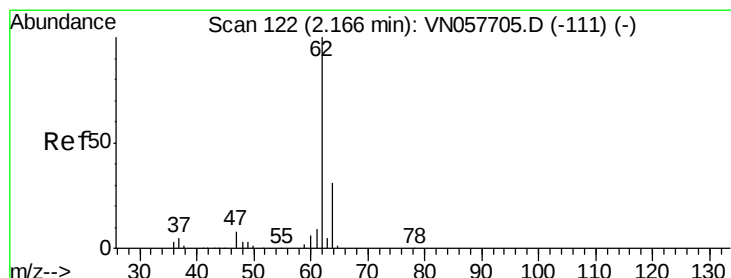
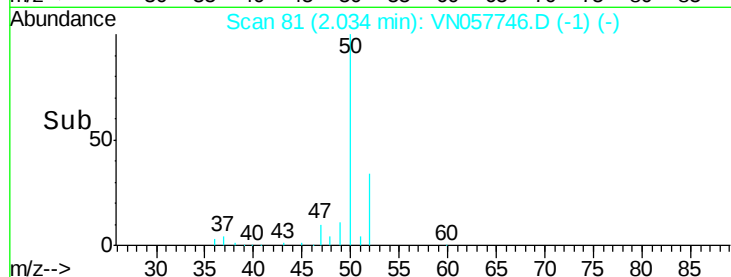
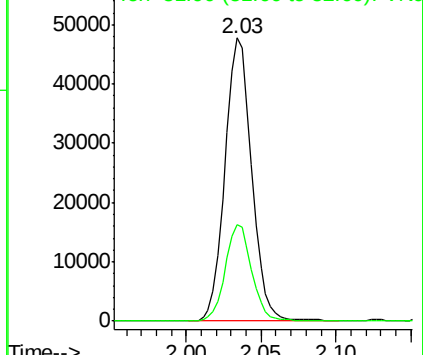
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.498 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057746.D

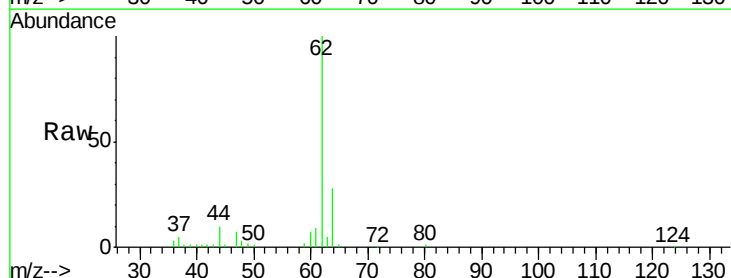
Acq: 7 Sep 2019 12:32

Tgt Ion: 62 Resp: 54080

Ion Ratio Lower Upper

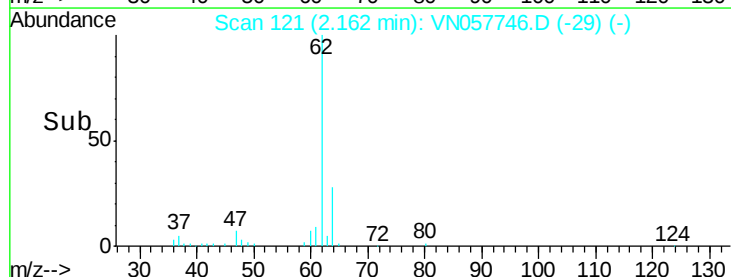
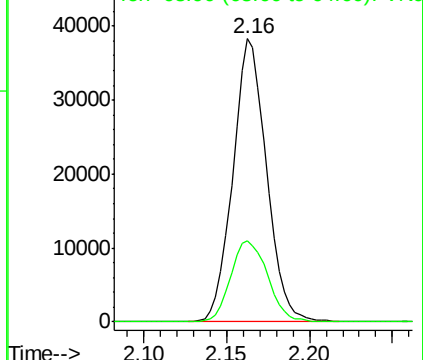
62 100

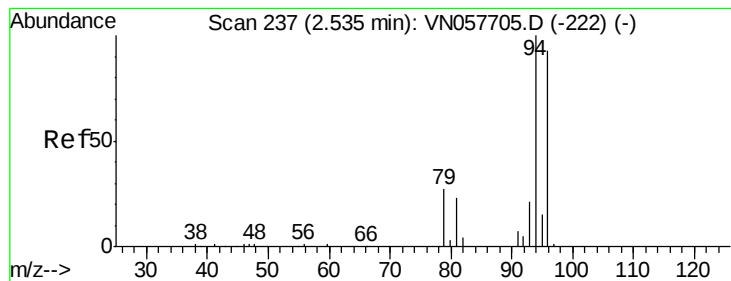
64 28.5 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 22.142 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

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VN0907WBS01

Tot Ion: 94 Resp: 29731

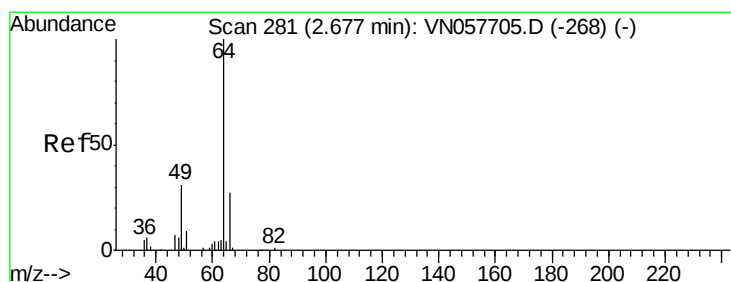
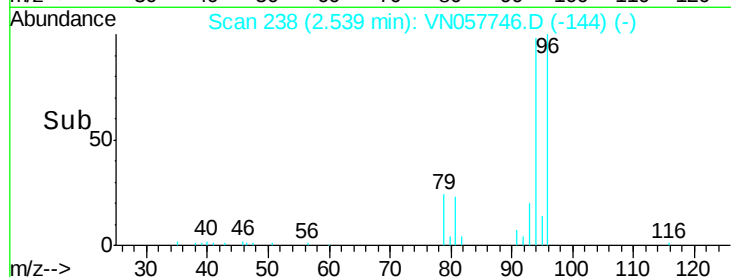
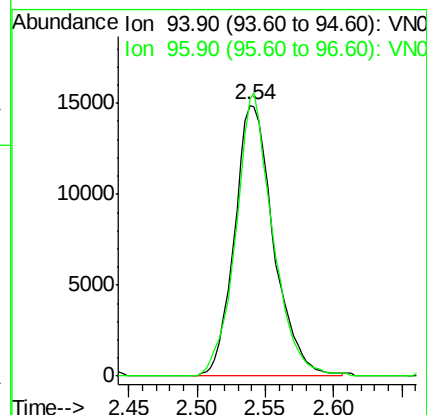
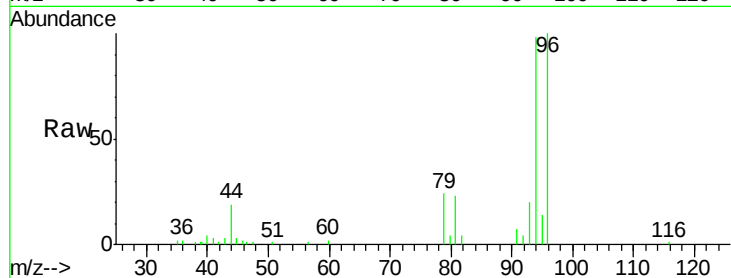
Ion Ratio Lower Upper

94 100

96 102.4 74.8 112.2

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#6

Chloroethane

Concen: 17.900 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN057746.D

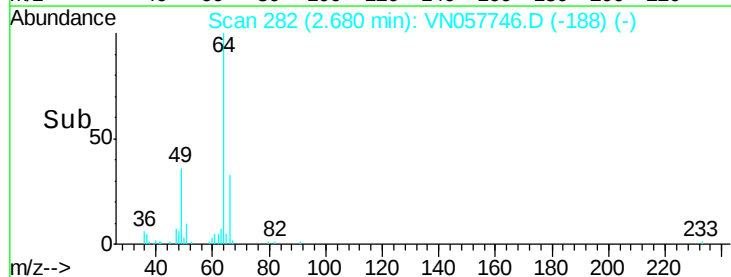
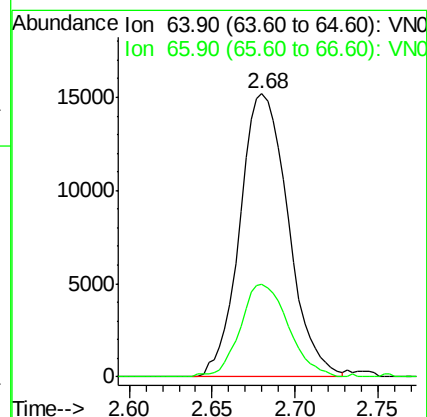
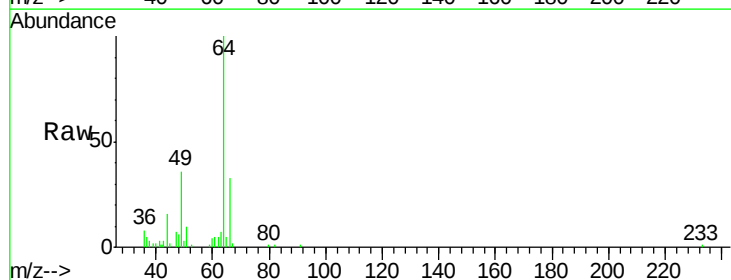
Acq: 7 Sep 2019 12:32

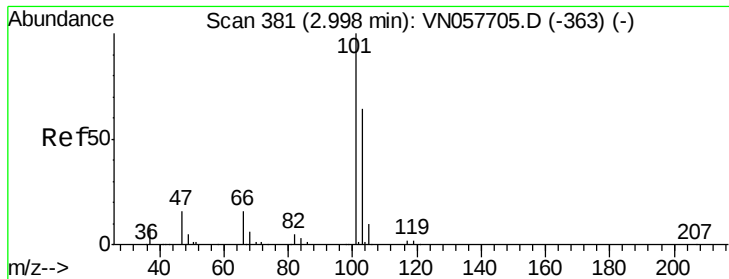
Tgt Ion: 64 Resp: 30895

Ion Ratio Lower Upper

64 100

66 32.7 22.0 33.0





#7

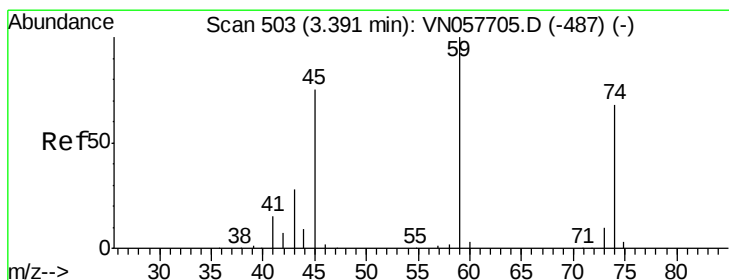
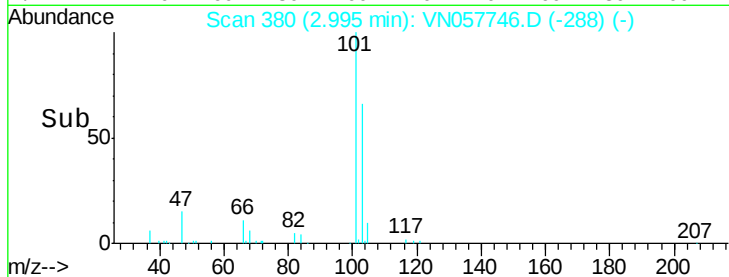
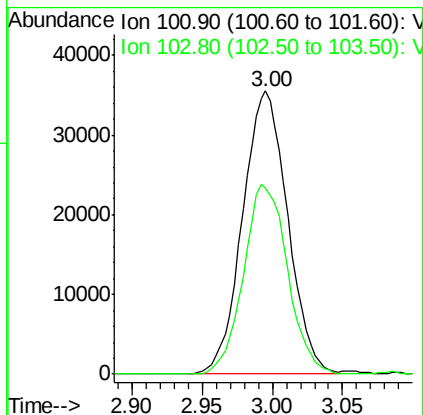
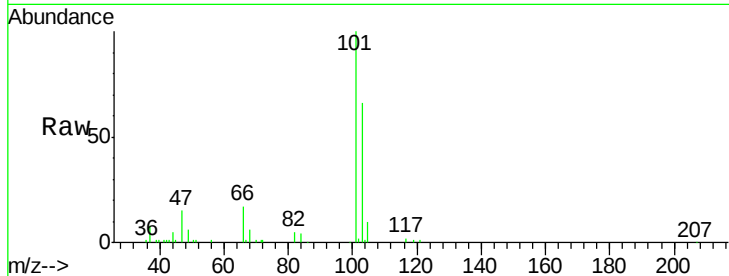
Trichlorofluoromethane
Concen: 16.922 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion:101 Resp: 79398
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.0

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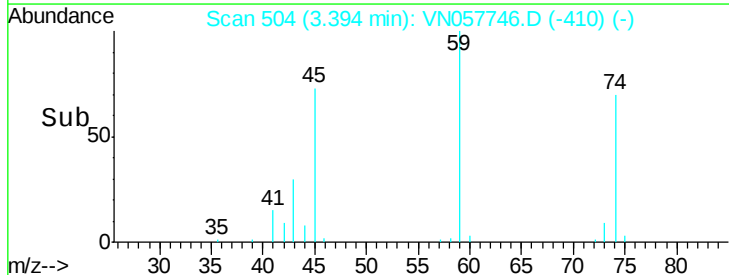
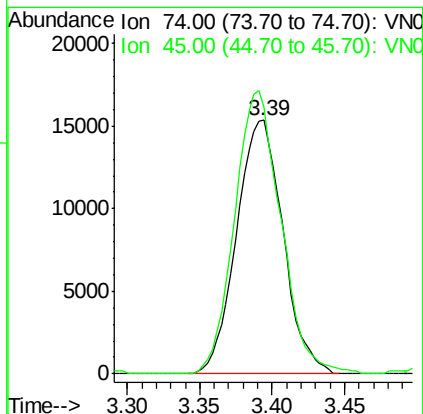
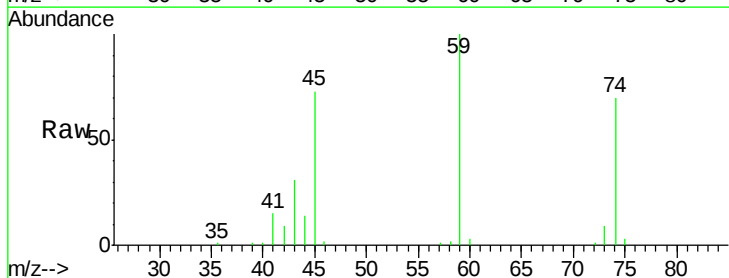
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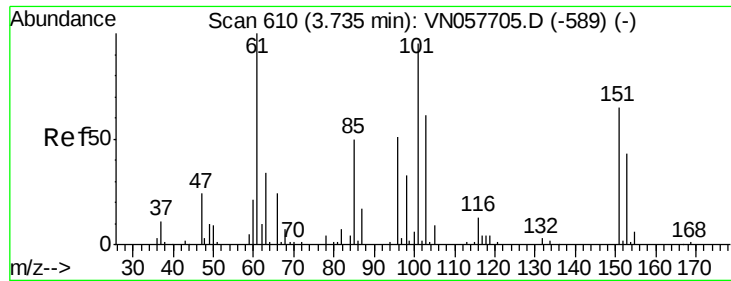


#8

Diethyl Ether
Concen: 18.279 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion: 74 Resp: 34269
Ion Ratio Lower Upper
74 100
45 111.1 55.4 166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.287 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

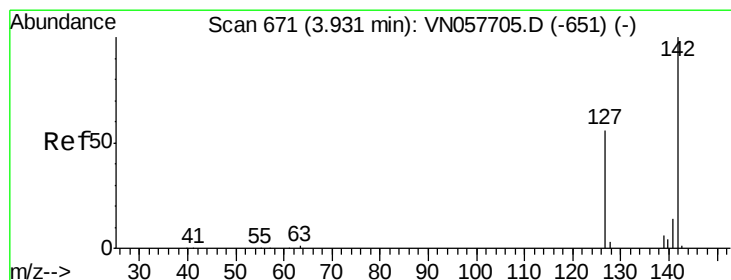
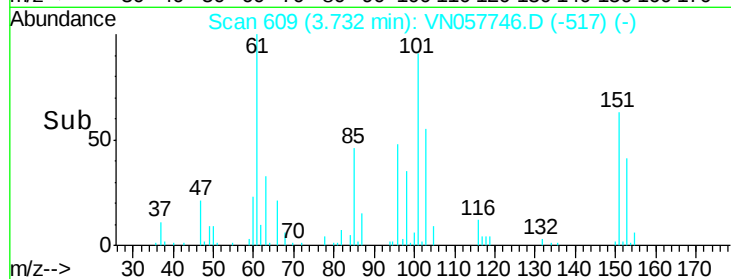
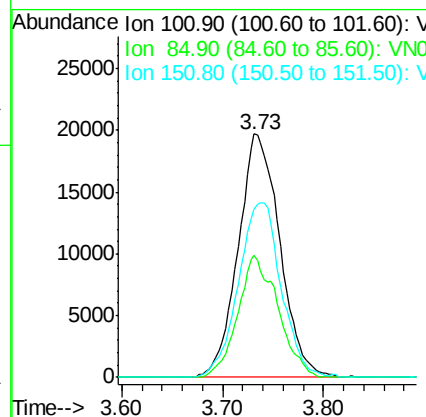
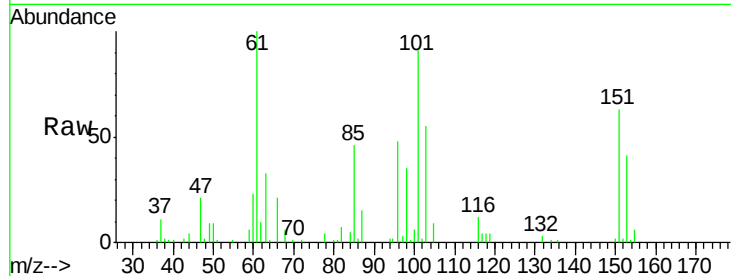
ClientSampleId :

VN0907WBS01

Tot Ion:	101	Resp:	56477
Ion Ratio	Lower	Upper	
101	100		
85	48.3	42.8	64.2
151	73.5	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 22.692 ug/l

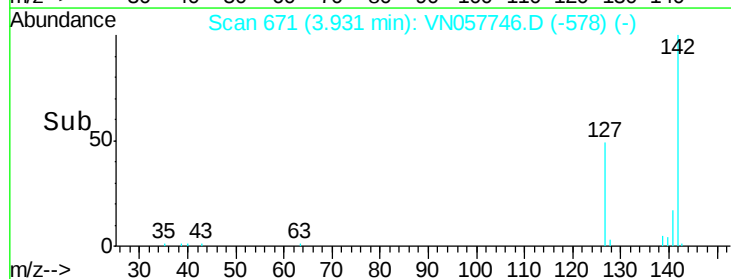
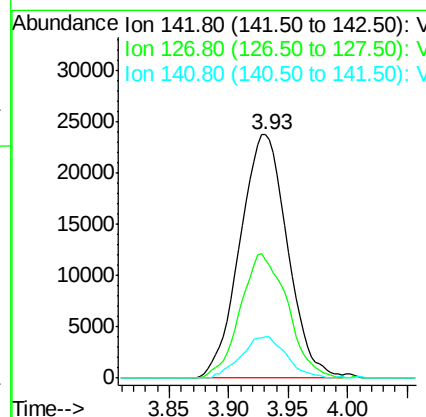
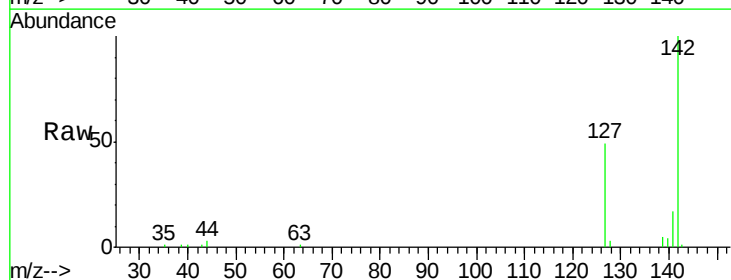
RT: 3.93 min Scan# 671

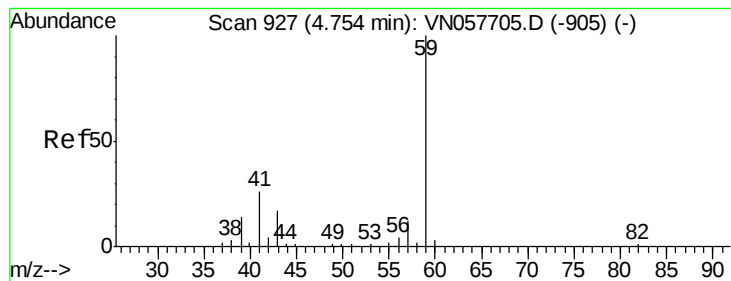
Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Tgt Ion:	142	Resp:	65837
Ion Ratio	Lower	Upper	
142	100		
127	50.6	42.1	63.1
141	16.2	11.0	16.4





#11

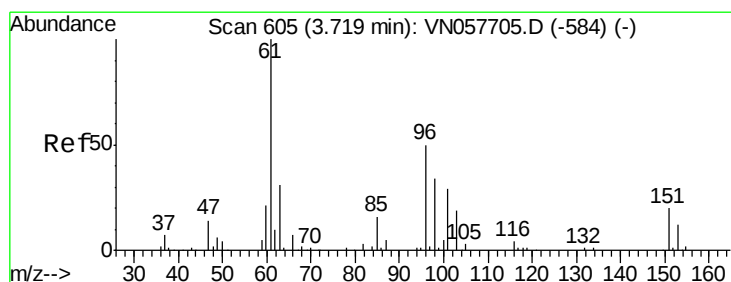
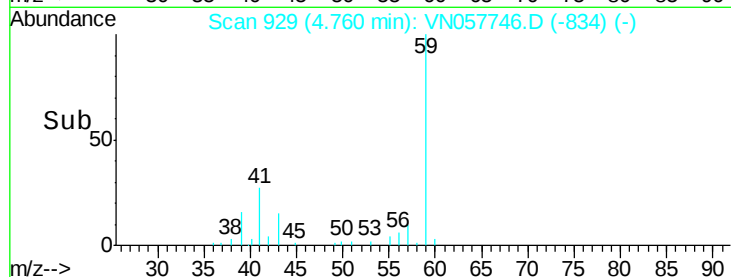
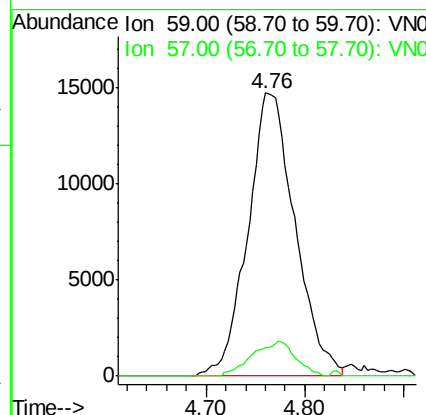
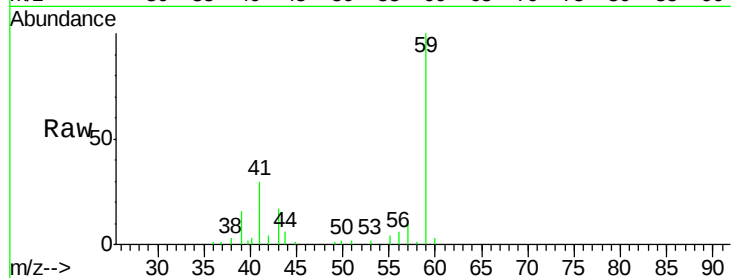
Tert butyl alcohol
Concen: 82.971 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.9	13.3

Manual Integrations
APPROVED

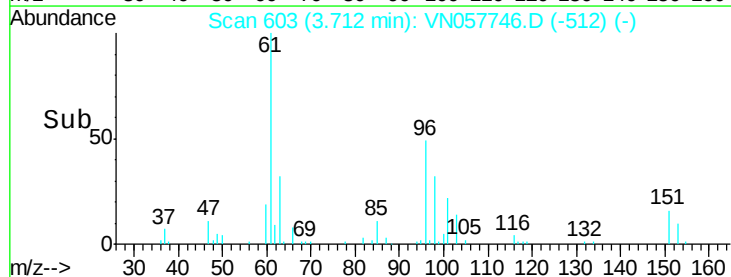
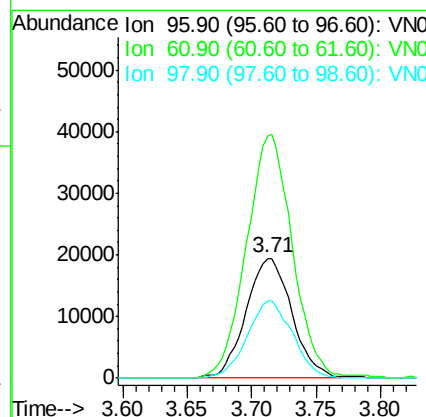
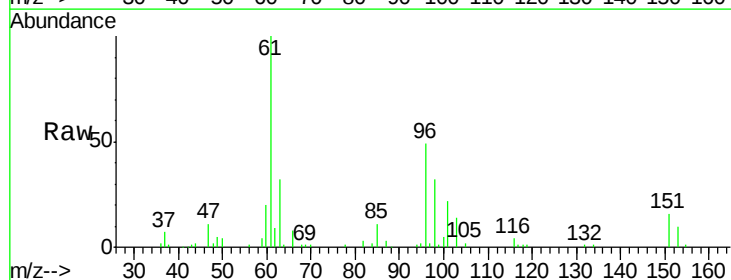
MMDadoda
9/10/2019 3:03:12 PM

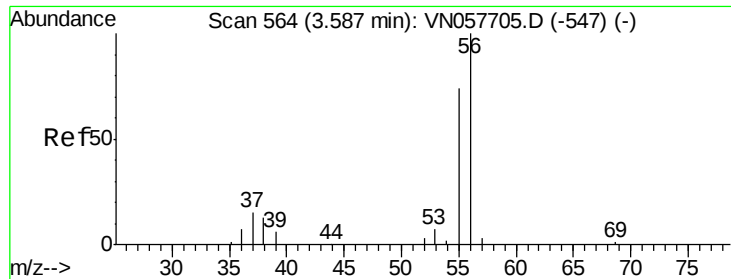


#12

1,1-Dichloroethene
Concen: 18.290 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.01 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	202.5	158.7	238.1
98	64.9	53.8	80.8





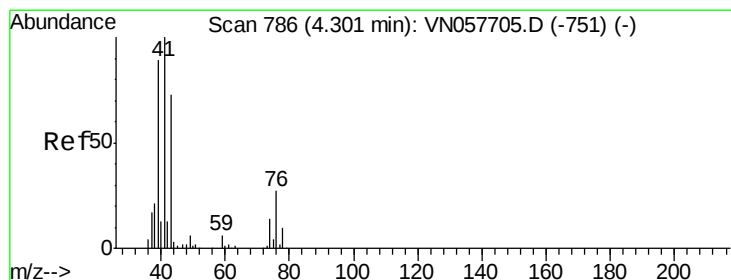
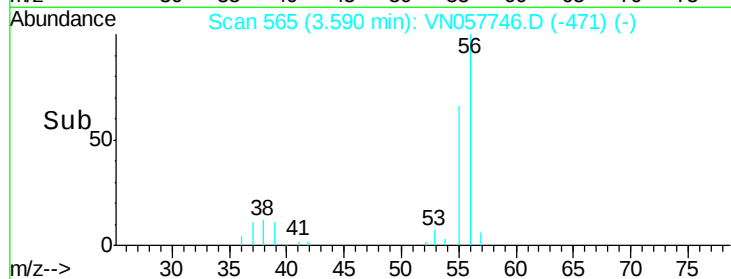
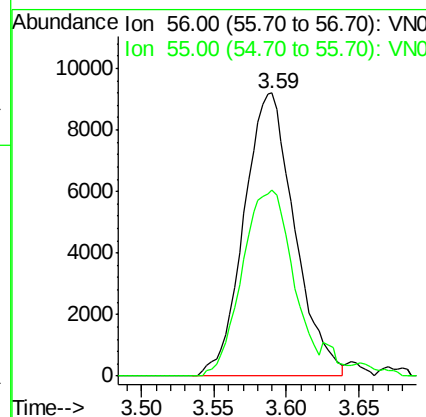
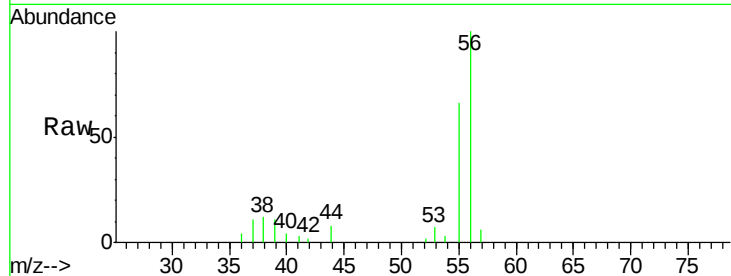
#13
 Acrolein
 Concen: 79.932 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	65.8	55.4	83.0	

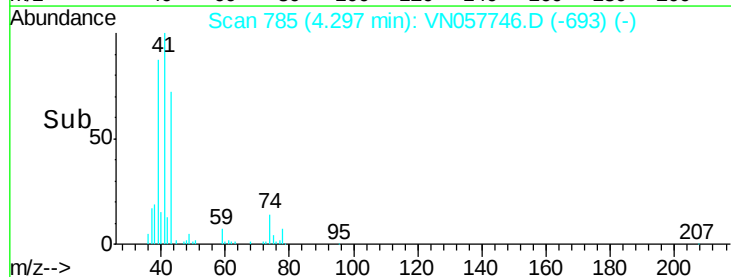
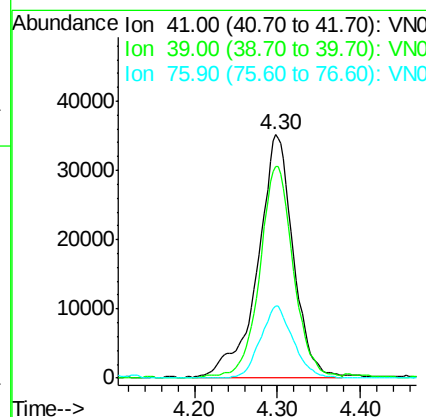
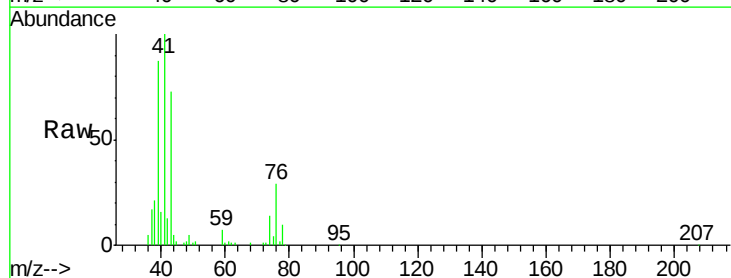
Manual Integrations
 APPROVED

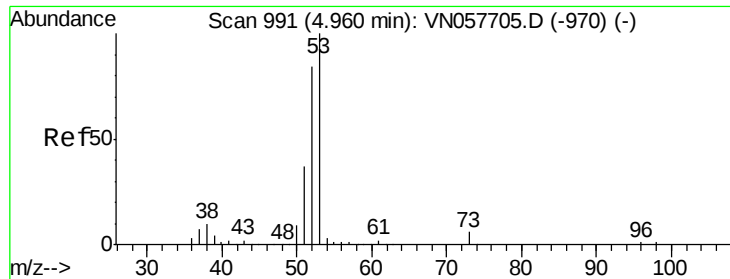
MMDadoda
 9/10/2019 3:03:12 PM



#14
 Allyl chloride
 Concen: 17.493 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	82.5	67.5	101.3	
76	27.1	21.4	32.2	





#15

Acrylonitrile

Concen: 97.691 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

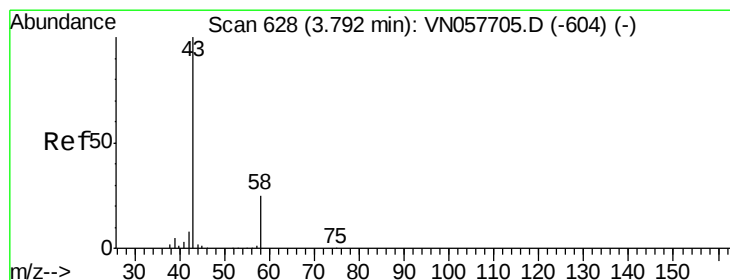
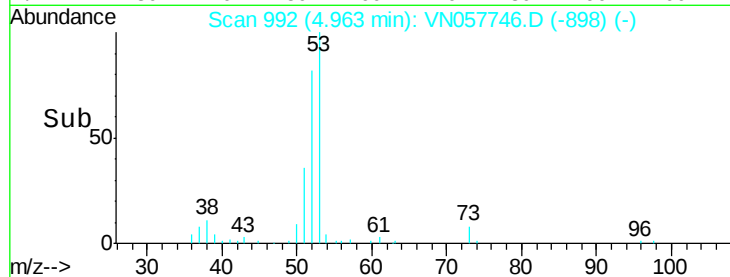
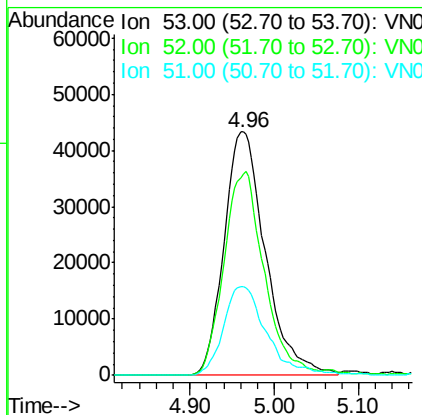
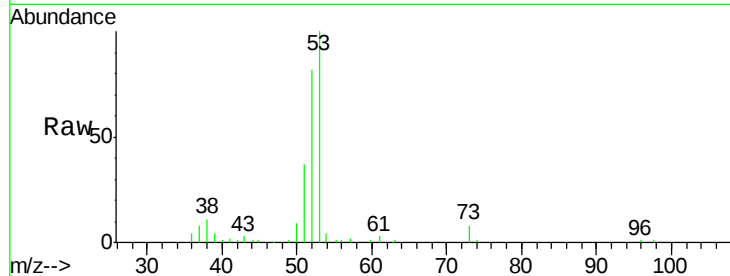
ClientSampleId :

VN0907WBS01

Tot Ion:	53	Resp:	147576
Ion Ratio	Lower	Upper	
53	100		
52	81.2	68.1	102.1
51	38.0	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 92.277 ug/l

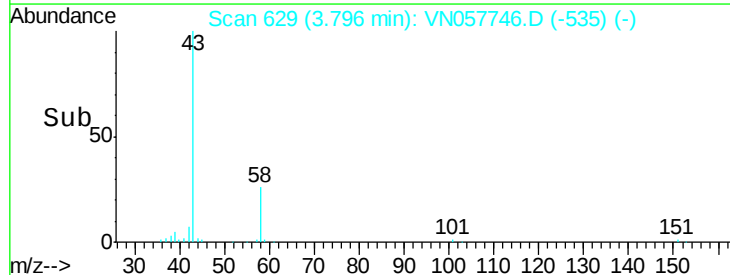
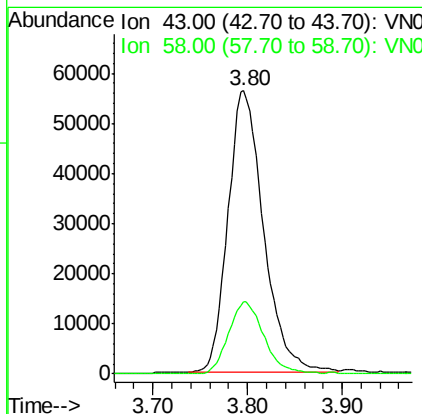
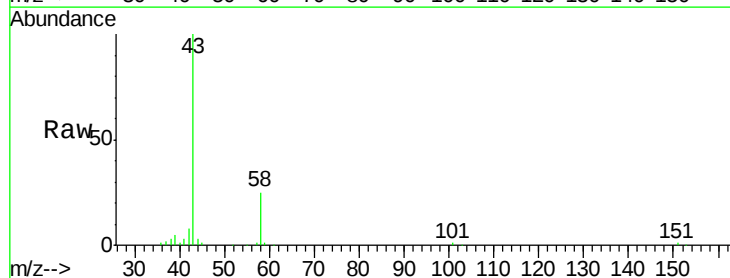
RT: 3.80 min Scan# 629

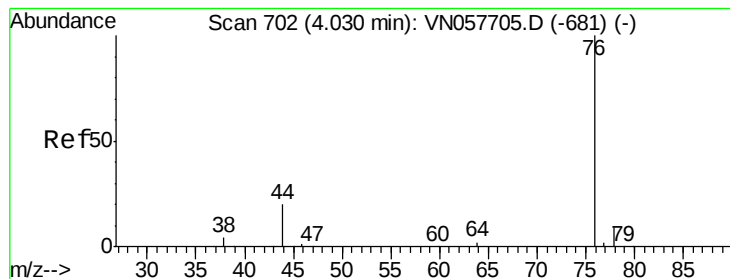
Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Tgt Ion:	43	Resp:	146856
Ion Ratio	Lower	Upper	
43	100		
58	25.6	19.8	29.8





#17

Carbon Disulfide

Concen: 16.599 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 76 Resp: 99081

Ion Ratio Lower Upper

76 100

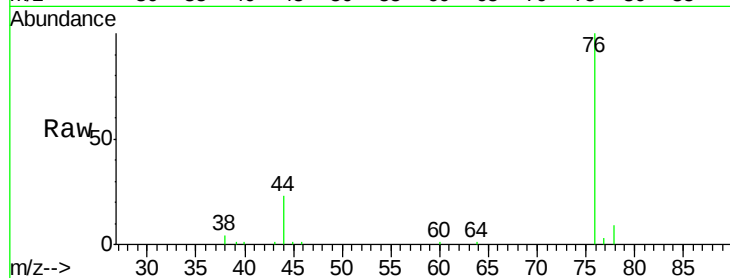
78 9.3 7.0 10.6

Manual Integrations

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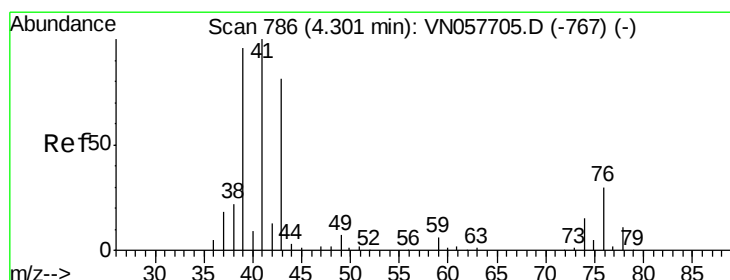
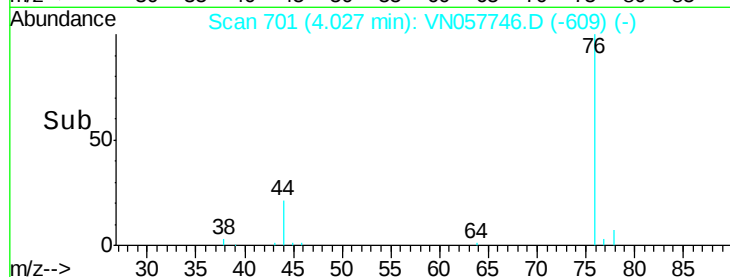
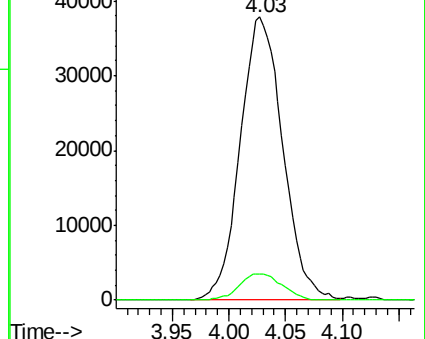
MMDadoda

9/10/2019 3:03:12 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 18.001 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057746.D

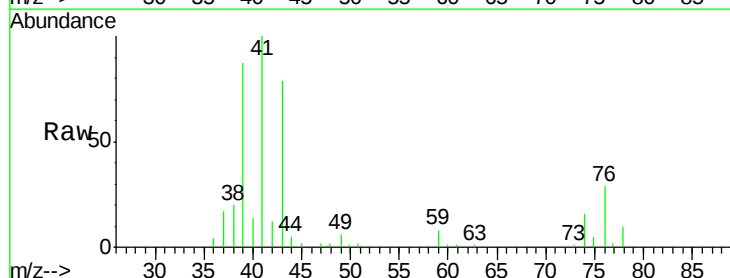
Acq: 7 Sep 2019 12:32

Tgt Ion: 43 Resp: 77906

Ion Ratio Lower Upper

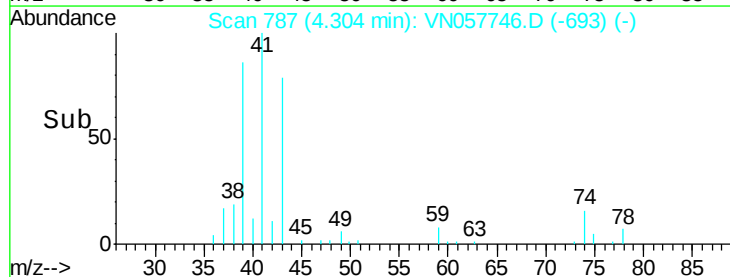
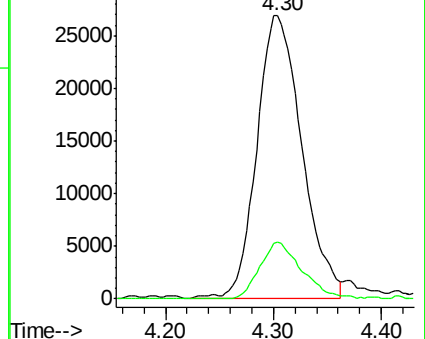
43 100

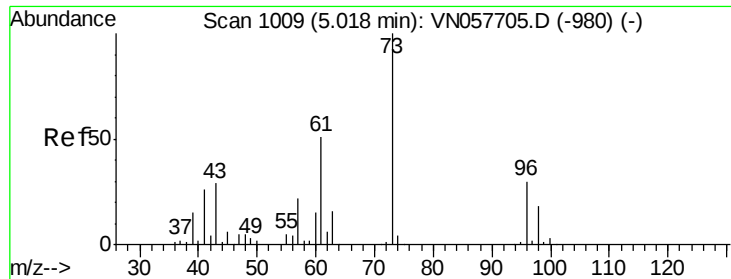
74 18.7 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





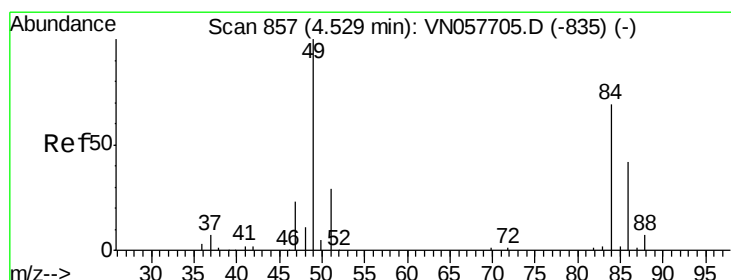
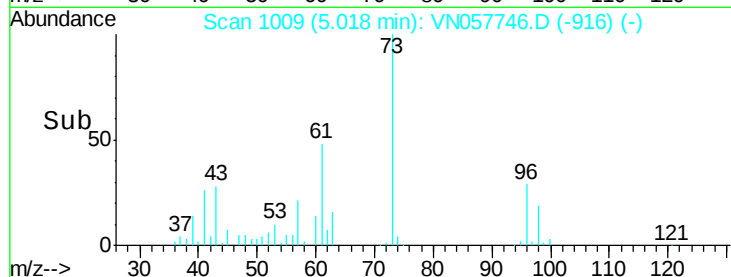
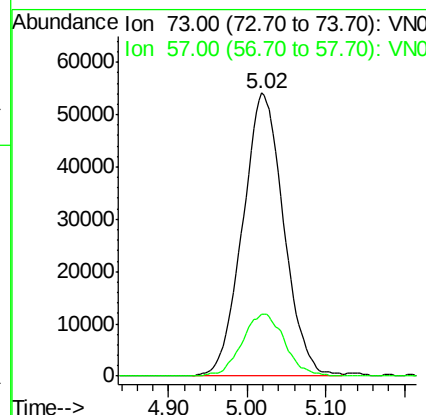
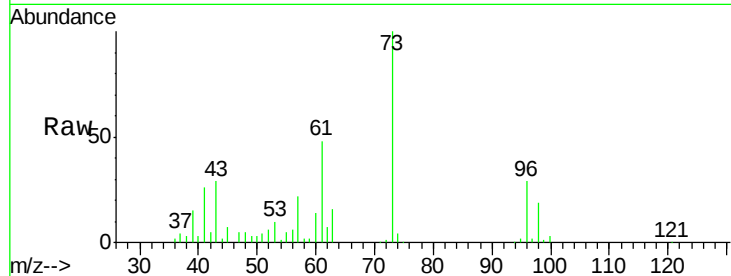
#19
Methyl tert-butyl Ether
Concen: 17.978 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion: 73 Resp: 198846
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5

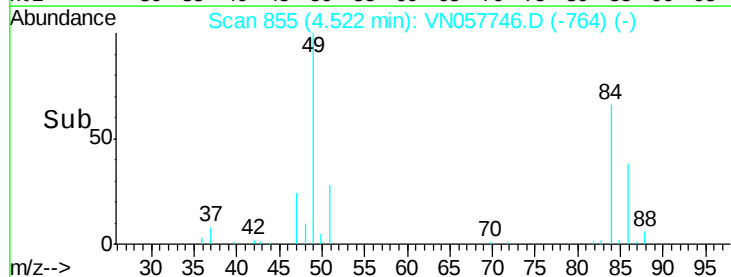
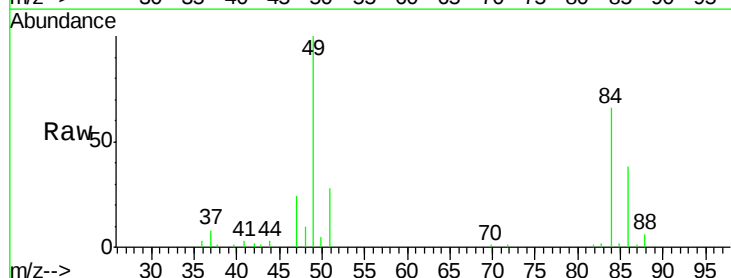
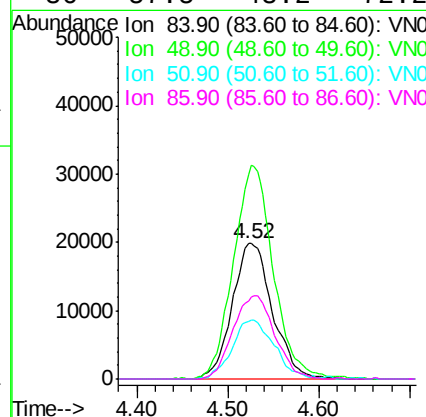
Manual Integrations
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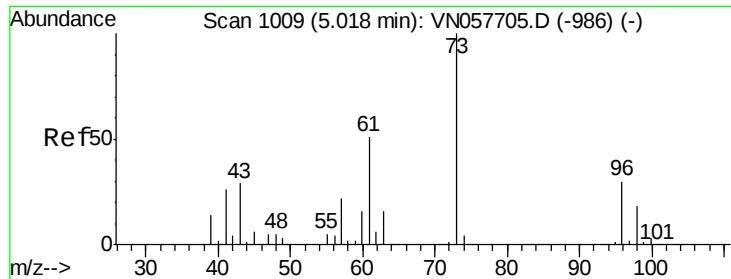
MMDadoda
9/10/2019 3:03:12 PM



#20
Methylene Chloride
Concen: 17.720 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion: 84 Resp: 60976
Ion Ratio Lower Upper
84 100
49 151.3 115.0 172.6
51 42.3 33.8 50.8
86 57.5 48.2 72.2





#21

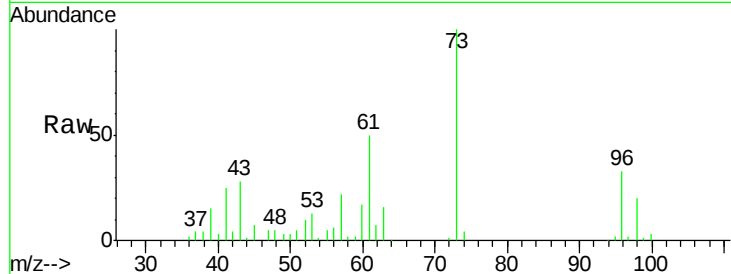
trans-1,2-Dichloroethene
Concen: 18.997 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	135.8	203.8
98	59.0	49.0	73.6

Manual Integrations
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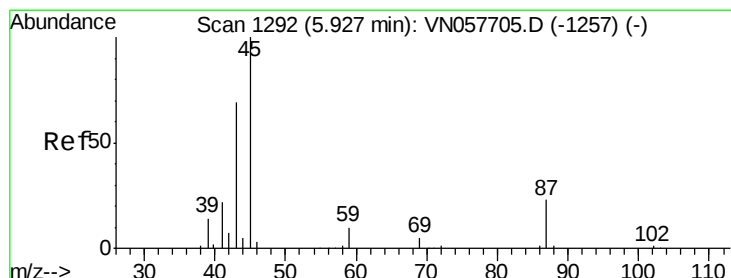
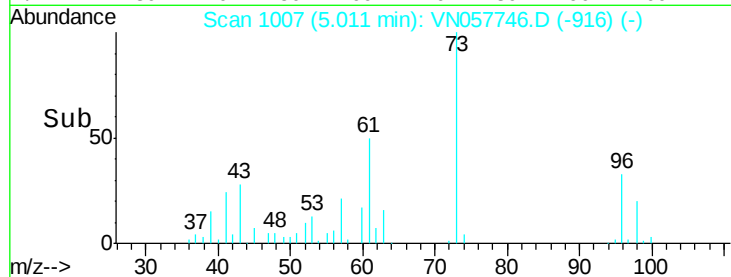
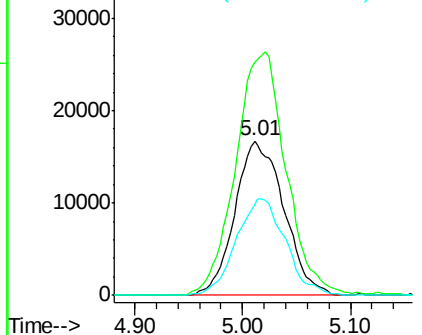


Abundance

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: 18.426 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.1	55.5	83.3
87	23.3	18.6	28.0
59	10.5	7.9	11.9

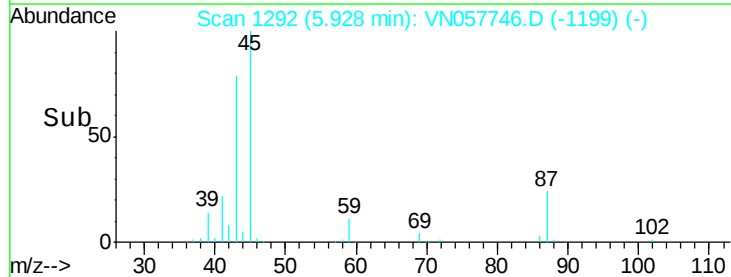
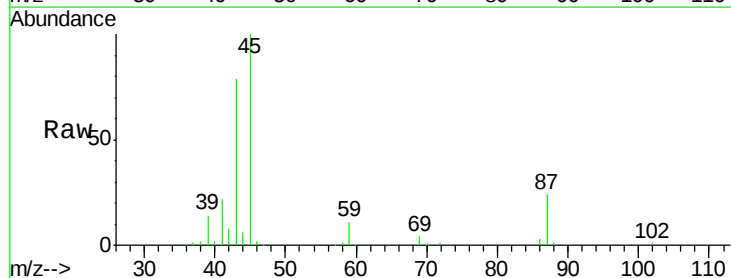
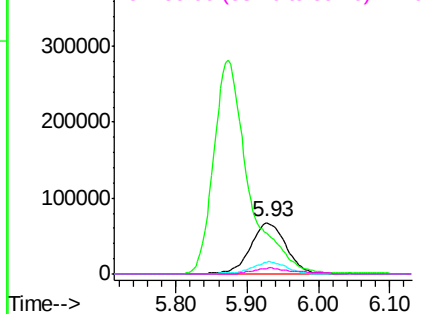
Abundance

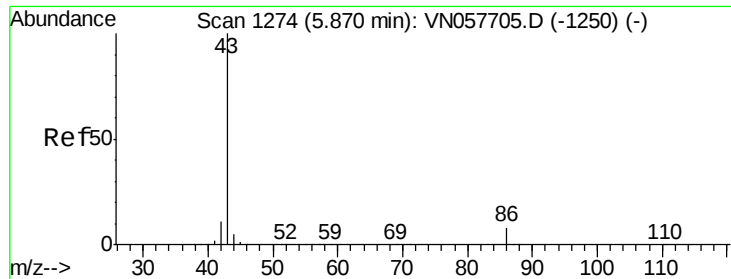
Ion 45.00 (44.70 to 45.70): VNC

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





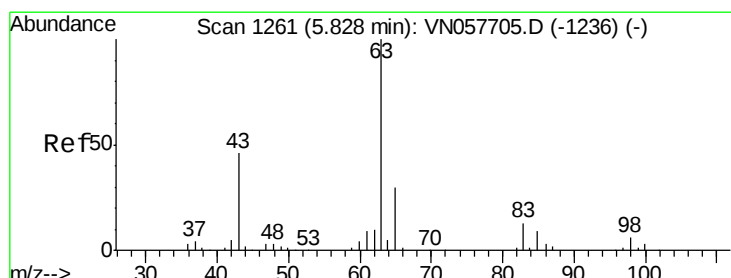
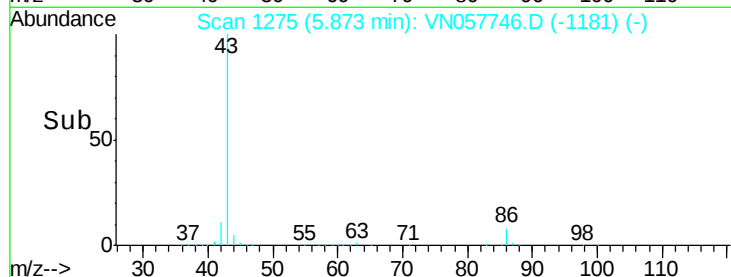
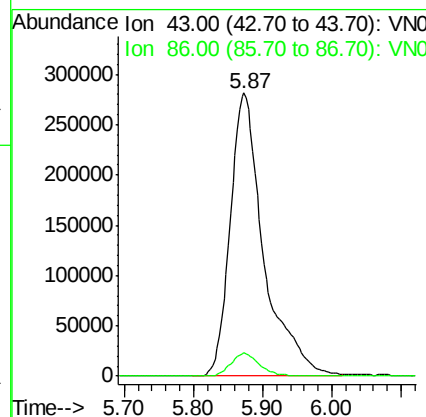
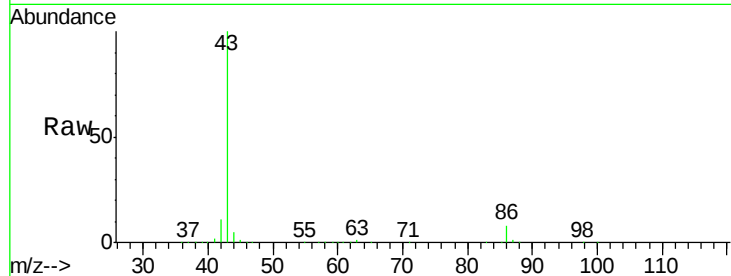
#23
 Vinyl Acetate
 Concen: 92.157 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	43	Resp	950001
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.2	9.4

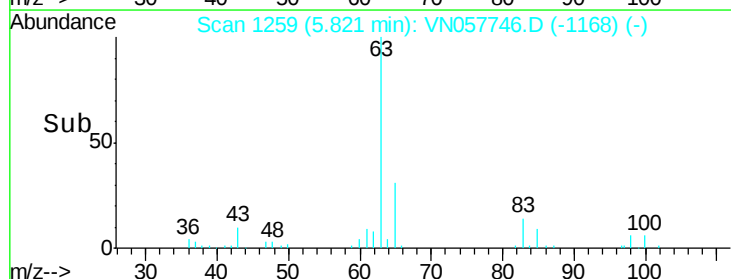
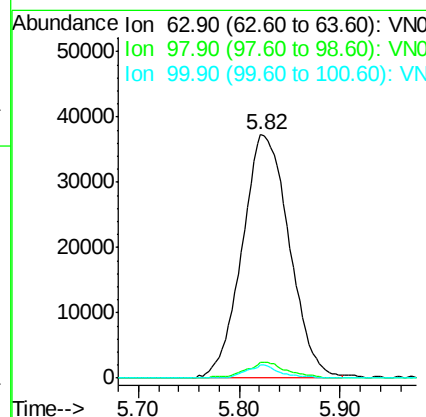
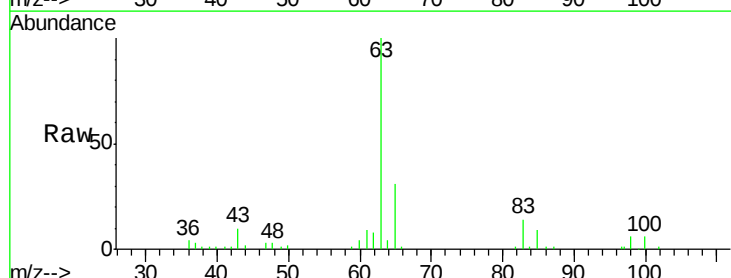
Manual Integrations
 APPROVED

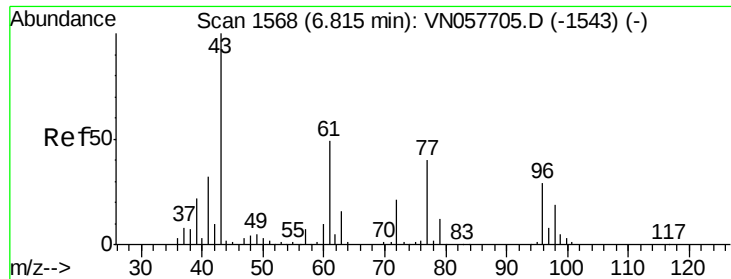
MMDadoda
 9/10/2019 3:03:12 PM



#24
 1,1-Dichloroethane
 Concen: 18.525 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Tgt Ion	63	Resp	120975
Ion Ratio	100	Lower	Upper
63	100		
98	6.3	2.9	8.8
100	5.5	1.7	5.0#





#25

2-Butanone

Concen: 94.929 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 43 Resp: 216354

Ion Ratio Lower Upper

43 100

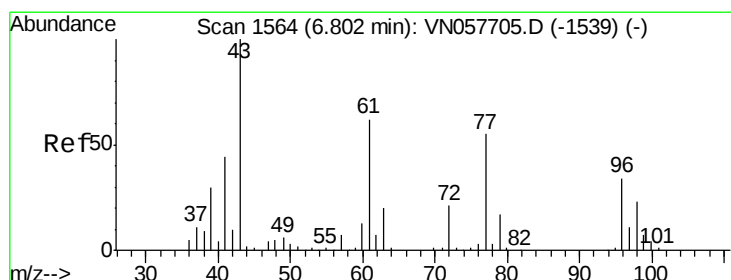
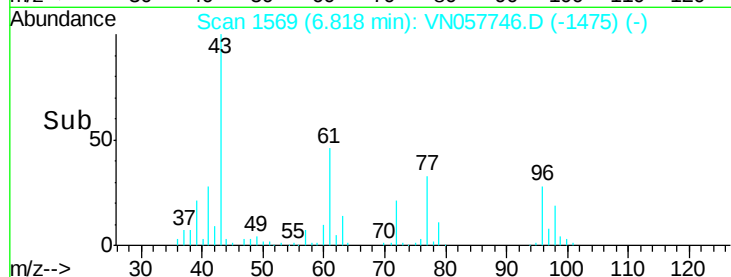
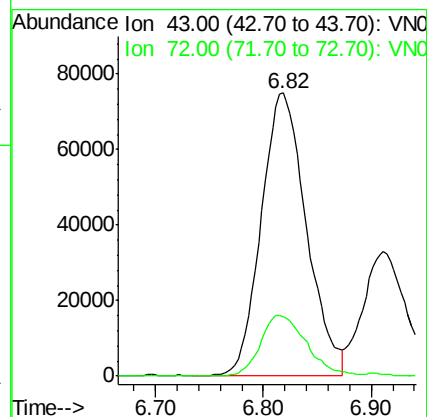
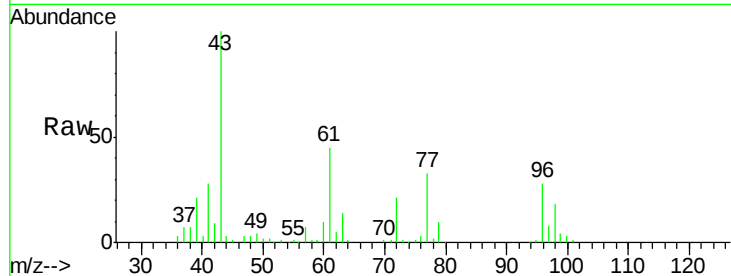
72 21.0 17.0 25.6

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9/10/2019 3:03:12 PM



#26

2,2-Dichloropropane

Concen: 17.871 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057746.D

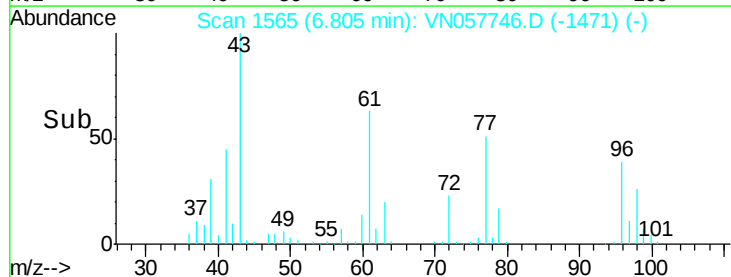
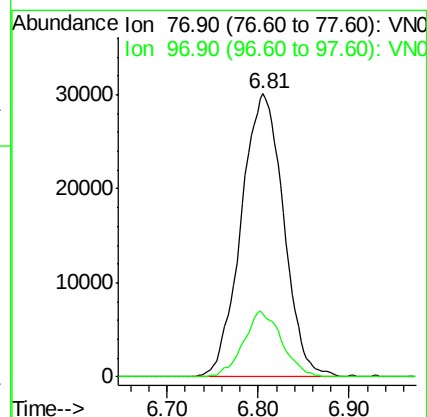
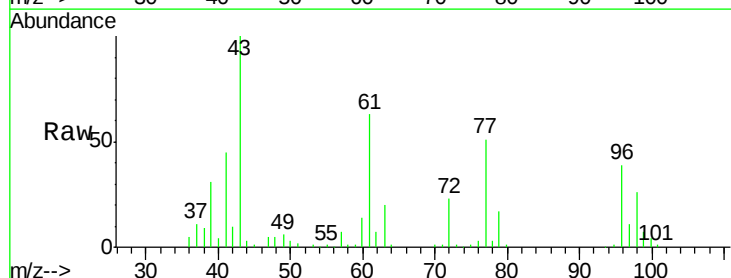
Acq: 7 Sep 2019 12:32

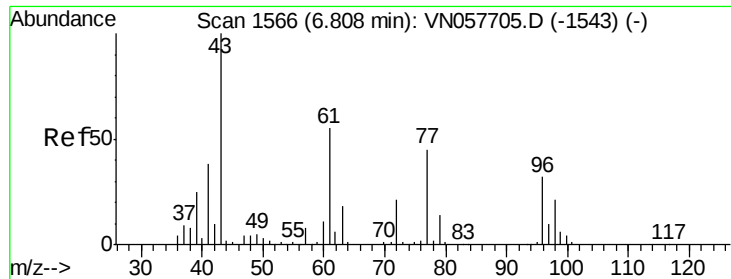
Tgt Ion: 77 Resp: 97361

Ion Ratio Lower Upper

77 100

97 21.0 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 18.951 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

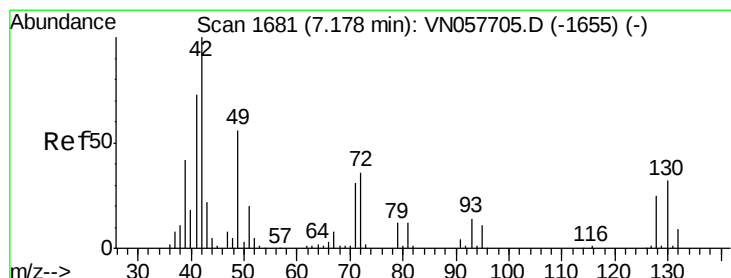
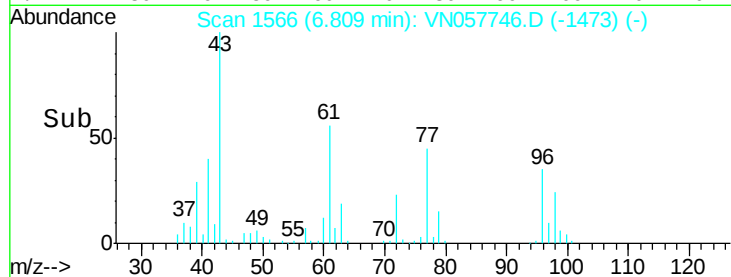
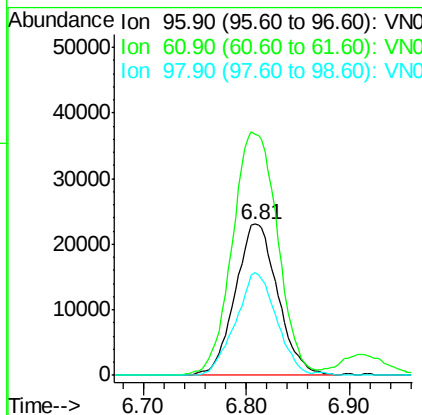
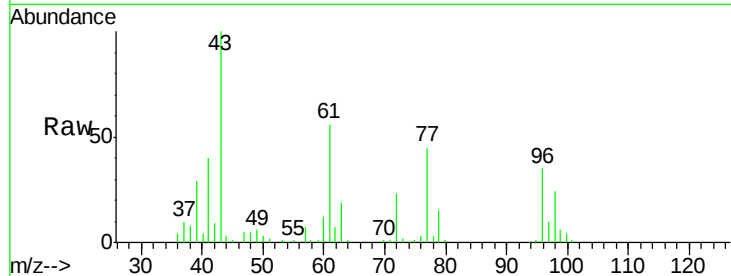
ClientSampleId :

VN0907WBS01

Tot Ion:	96	Resp:	65944
Ion	Ratio	Lower	Upper
96	100		
61	171.6	0.0	360.6
98	65.3	0.0	130.6

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#28

Bromochloromethane

Concen: 18.504 ug/l

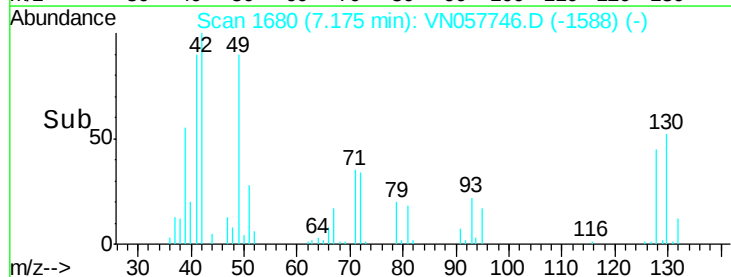
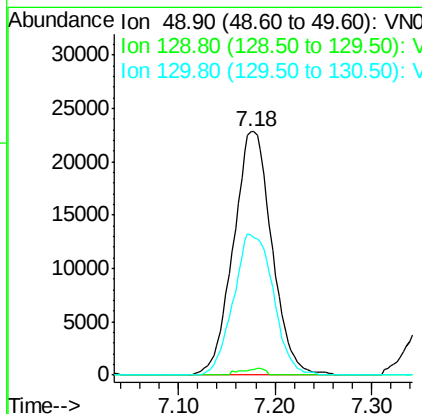
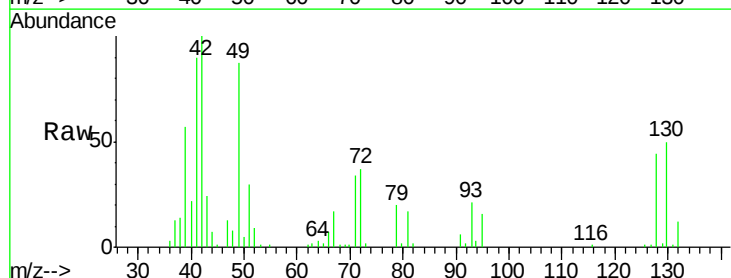
RT: 7.18 min Scan# 1680

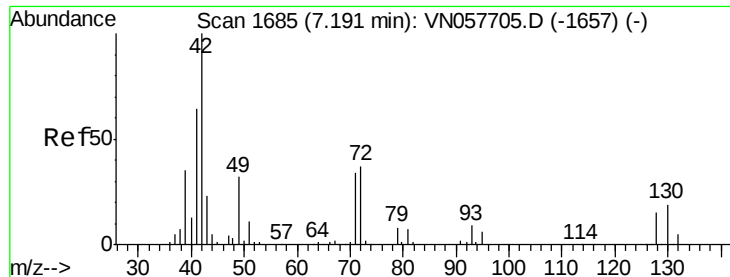
Delta R.T. -0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Tgt Ion:	49	Resp:	63226
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.4
130	59.7	45.8	68.8





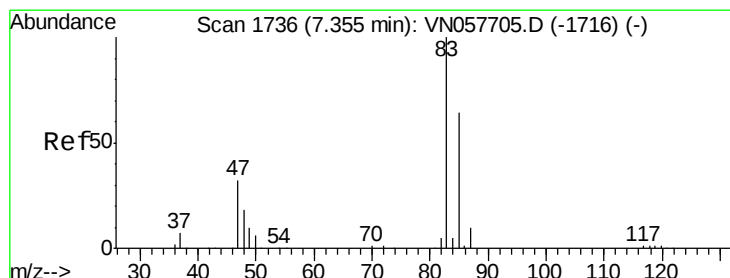
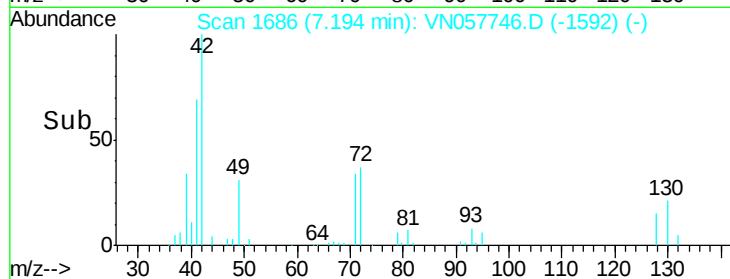
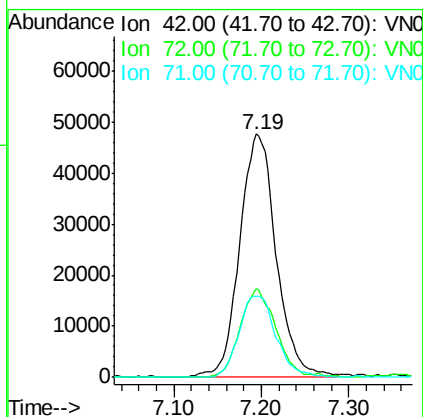
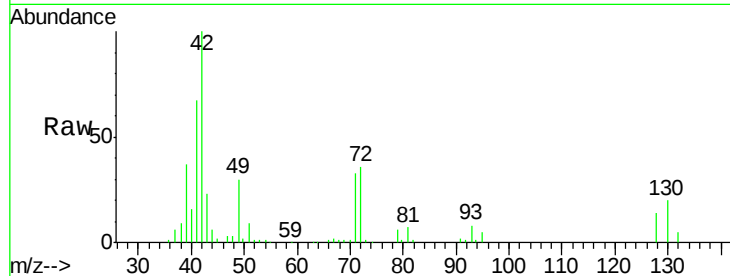
#29
Tetrahydrofuran
Concen: 94.038 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	29.2	43.8
71	34.0	27.0	40.4

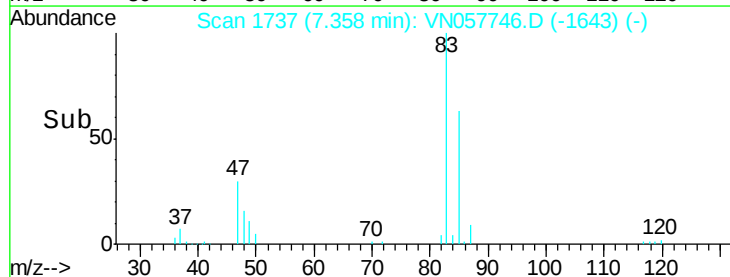
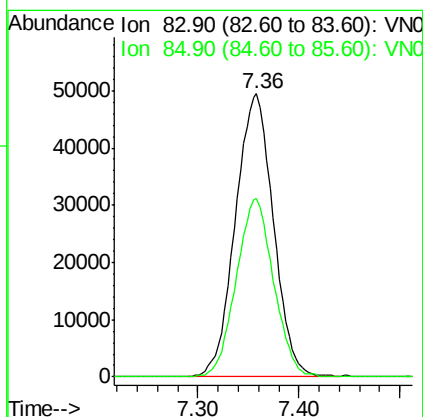
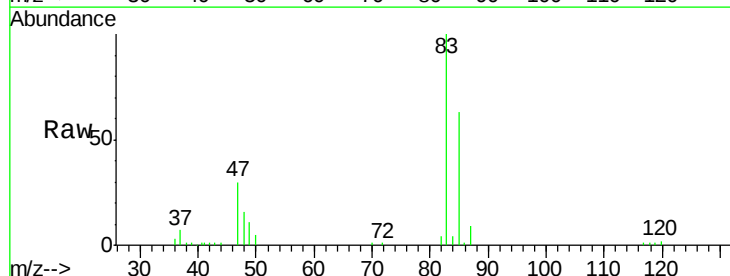
Manual Integrations
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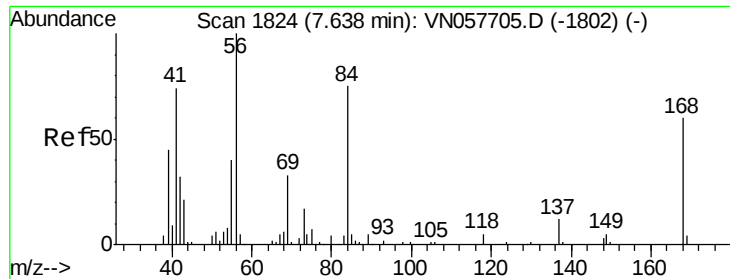
MMDadoda
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#30
Chloroform
Concen: 18.950 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.3	76.9





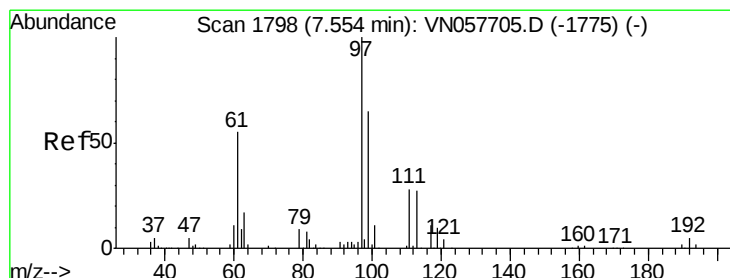
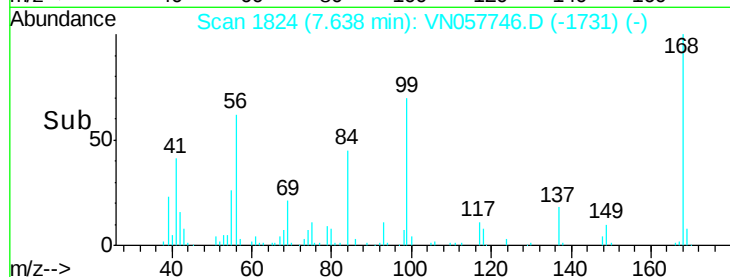
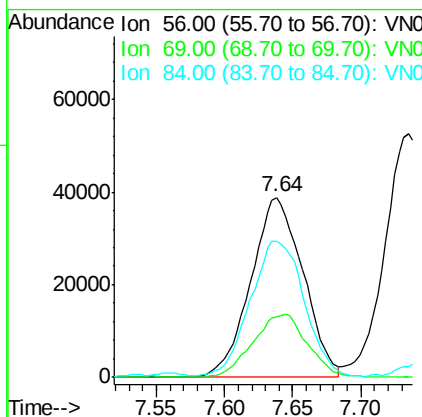
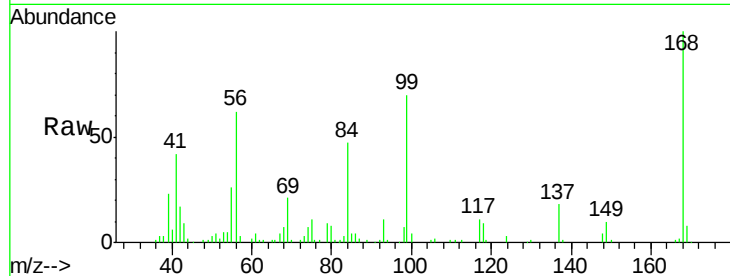
#31
Cyclohexane
Concen: 17.735 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.2	39.2
84	75.0	59.8	89.8

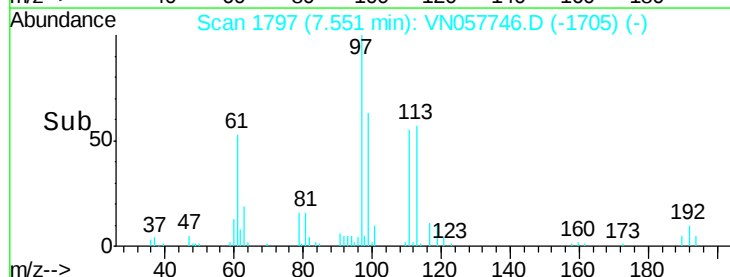
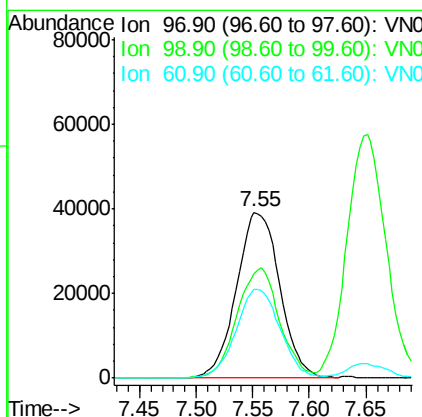
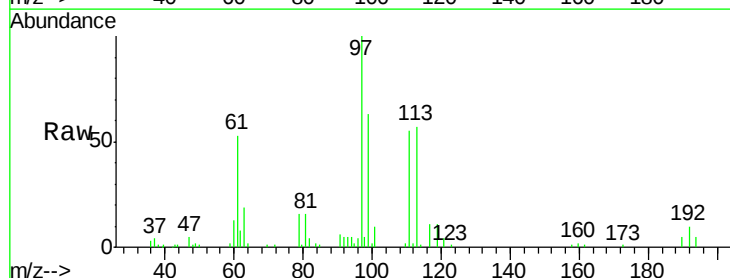
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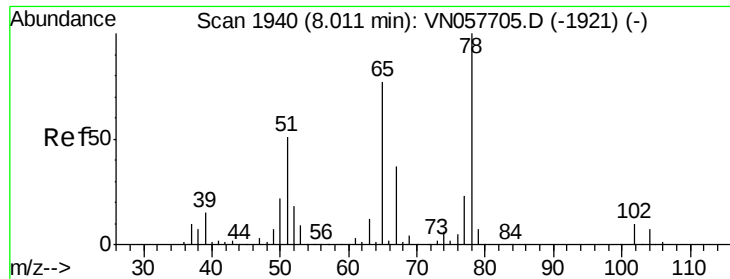
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9/10/2019 3:03:12 PM



#32
1,1,1-Trichloroethane
Concen: 18.437 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.2	76.8
61	54.4	42.8	64.2





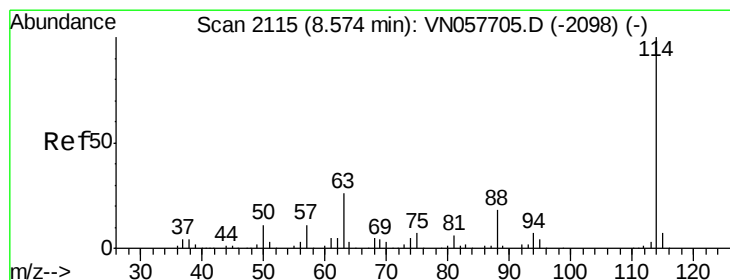
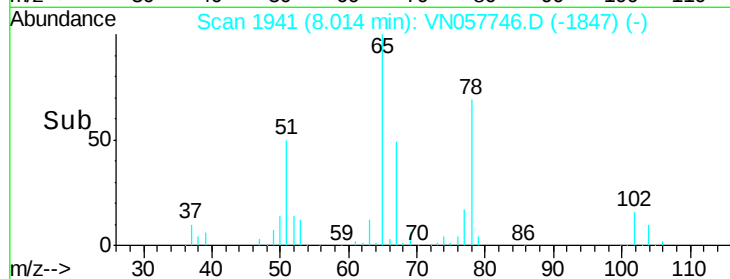
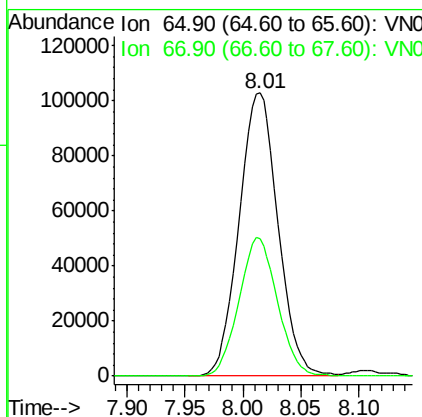
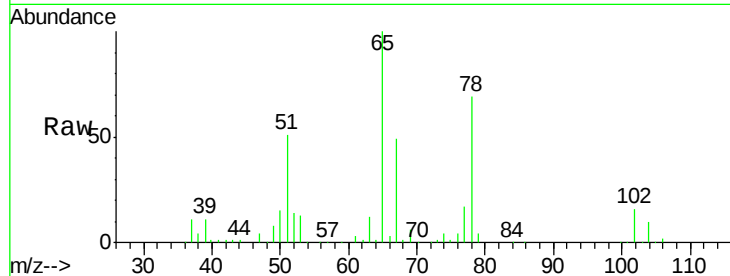
#33
 1,2-Dichloroethane-d4
 Concen: 46.460 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240269		
67	48.3	0.0	98.2	

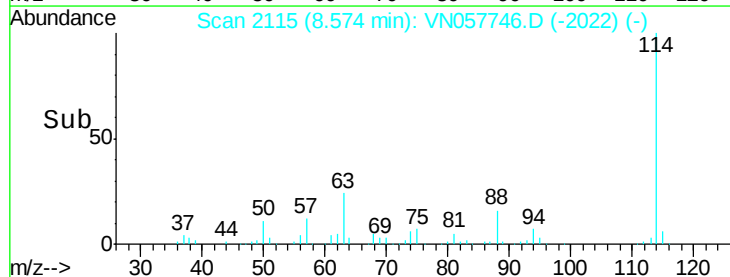
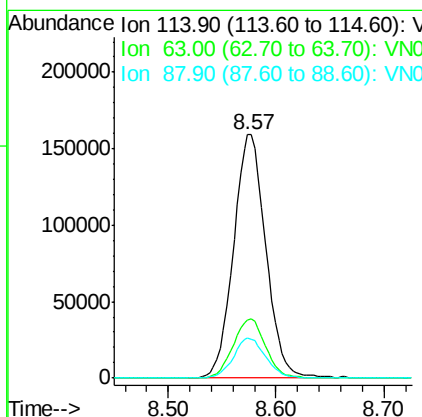
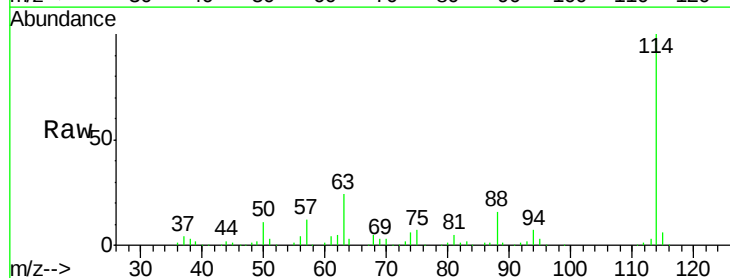
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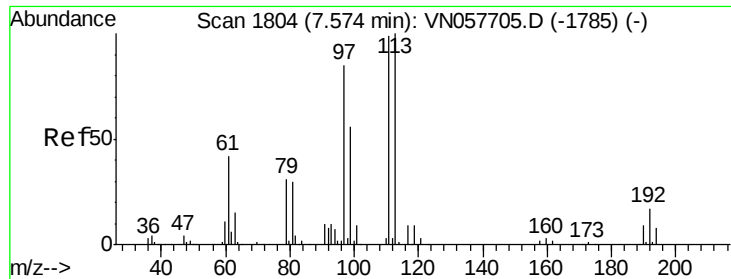
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	331851		
63	24.0	0.0	52.4	
88	16.2	0.0	35.4	





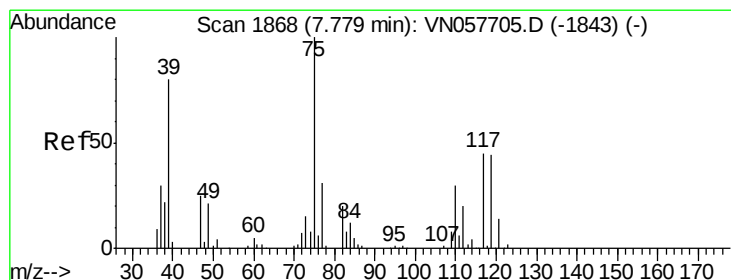
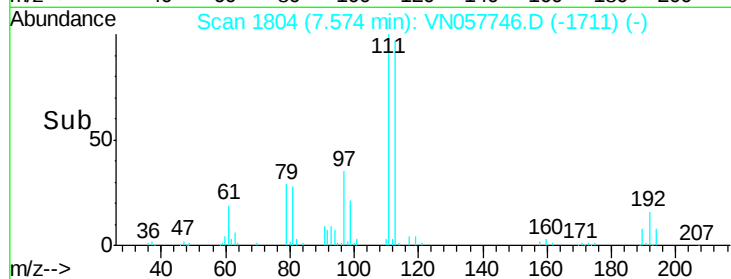
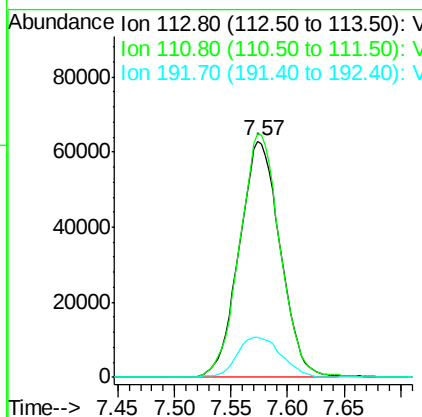
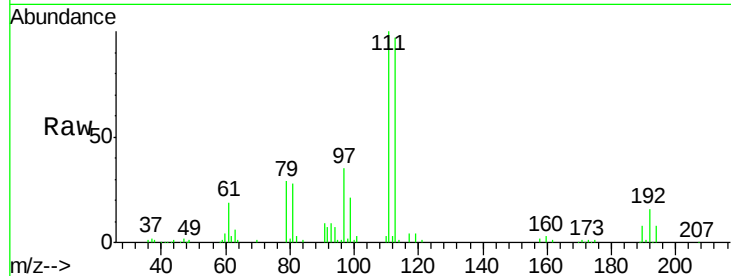
#35
 Dibromofluoromethane
 Concen: 52.430 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.6	82.7	124.1	
192	18.5	13.8	20.6	

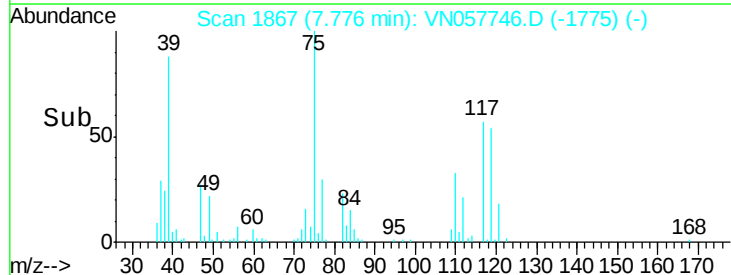
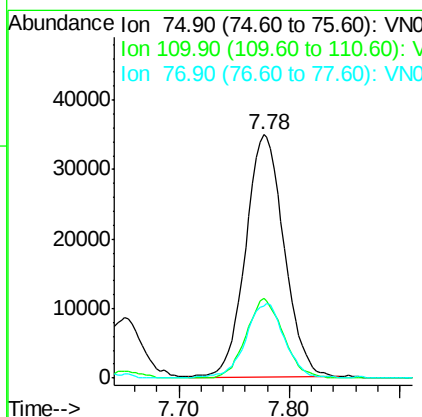
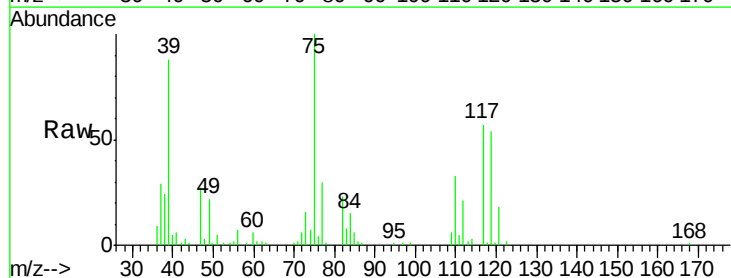
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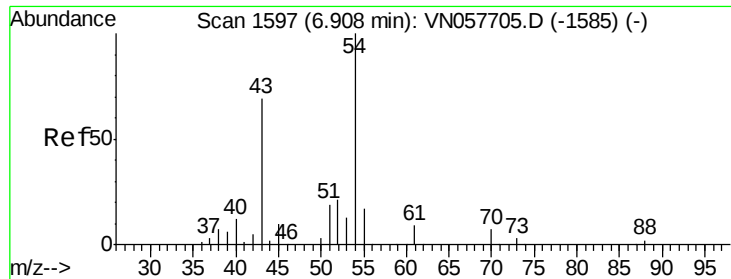
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#36
 1,1-Dichloropropene
 Concen: 19.023 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.6	15.0	45.0	
77	31.2	24.6	37.0	





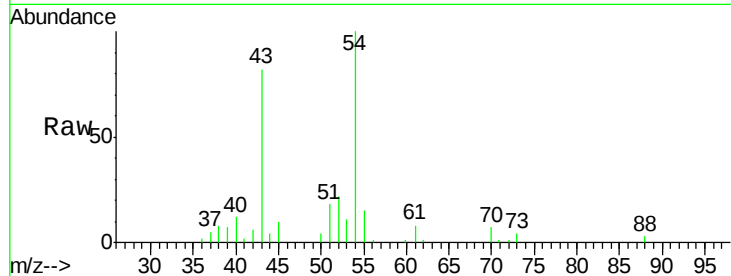
#37
Ethyl Acetate
Concen: 20.368 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.6	9.8	14.8
70	8.2	6.7	10.1

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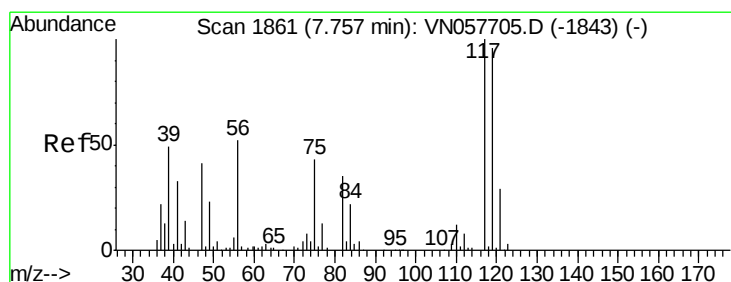
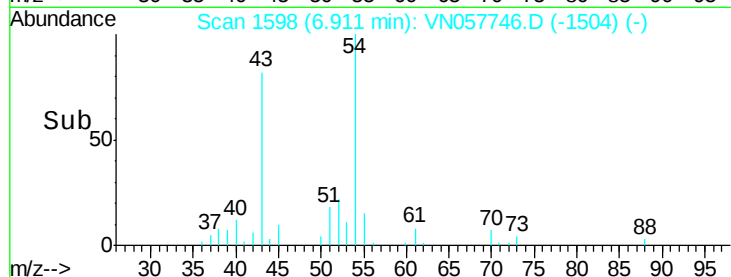
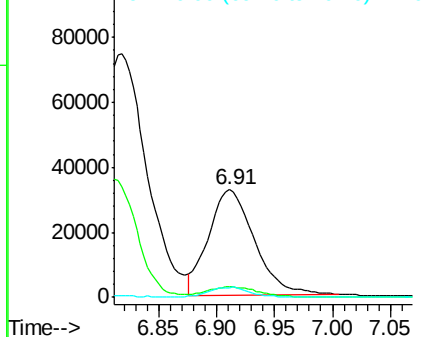


Abundance

Ion 43.00 (42.70 to 43.70): VN057705.D (-1585) (-)

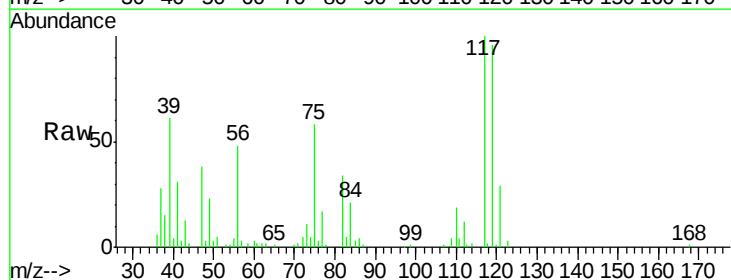
Ion 60.90 (60.60 to 61.60): VN057746.D (-1504) (-)

Ion 70.00 (69.70 to 70.70): VN057746.D (-1504) (-)



#38
Carbon Tetrachloride
Concen: 20.173 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.1	114.1
121	29.4	23.4	35.2

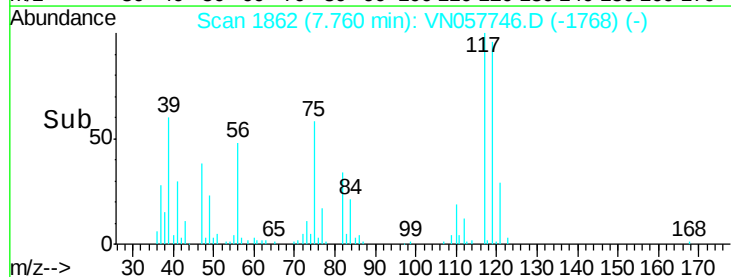
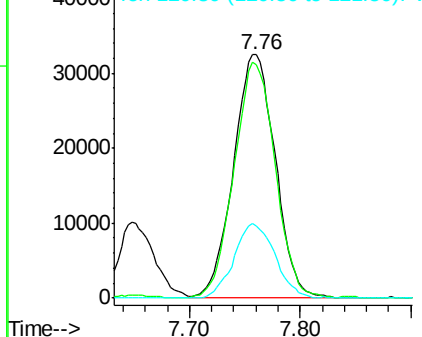


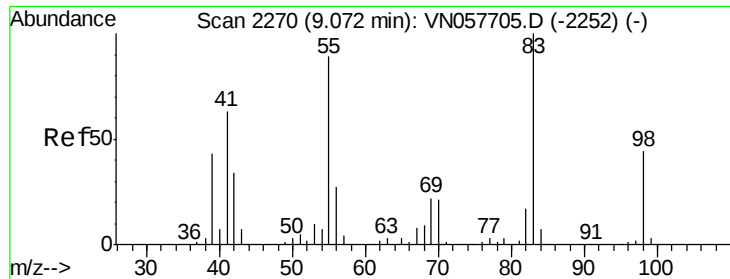
Abundance

Ion 116.80 (116.50 to 117.50): VN057705.D (-1843) (-)

Ion 118.80 (118.50 to 119.50): VN057746.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN057746.D (-1768) (-)





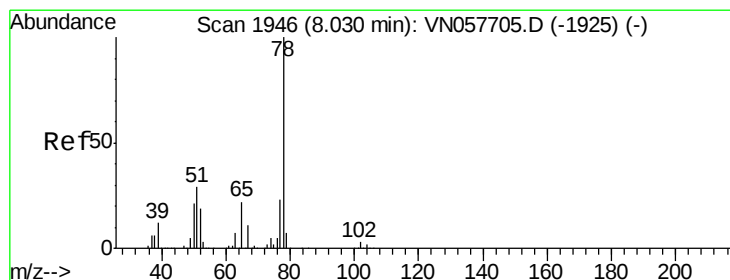
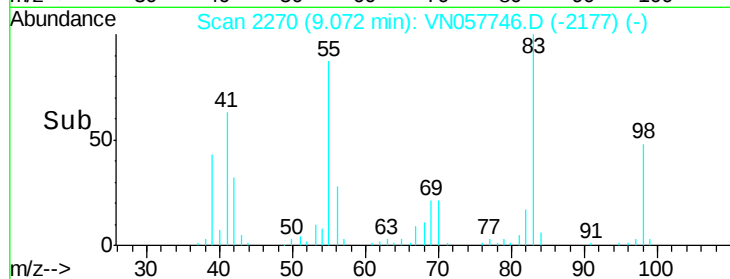
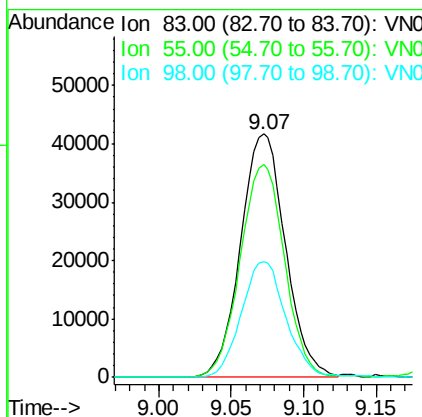
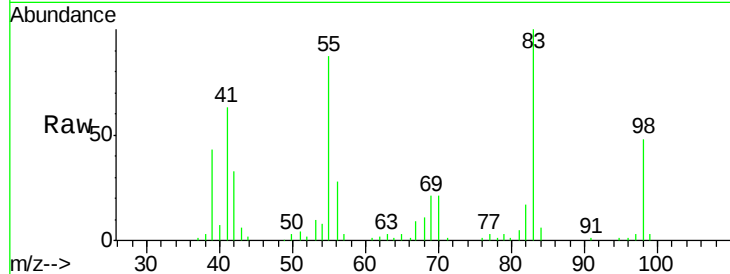
#39
Methvlcvclohexane
Concen: 19.202 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	83	Resp	89668
Ion Ratio	100	Lower	Upper
83	100		
55	87.5	71.4	107.0
98	47.7	35.3	52.9

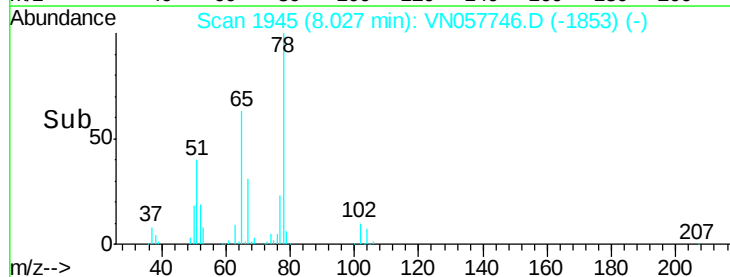
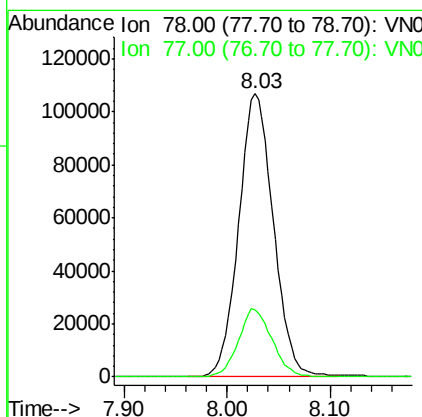
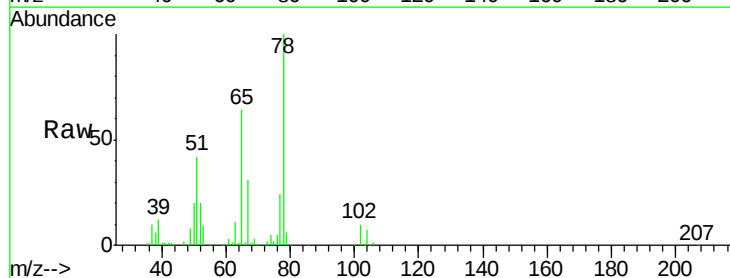
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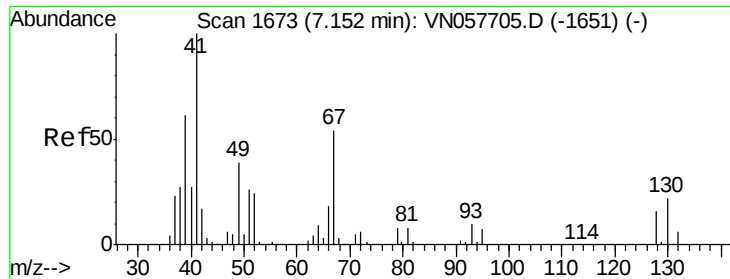
MMDadoda
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#40
Benzene
Concen: 20.024 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	78	Resp	250037
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.6	28.0





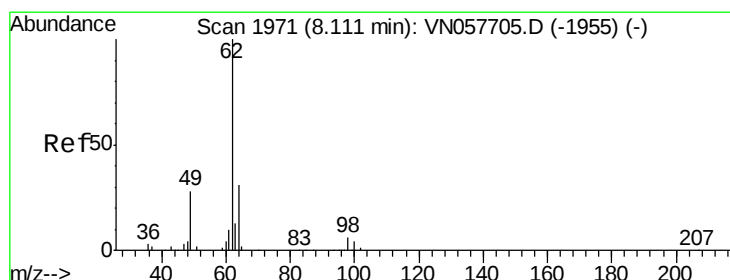
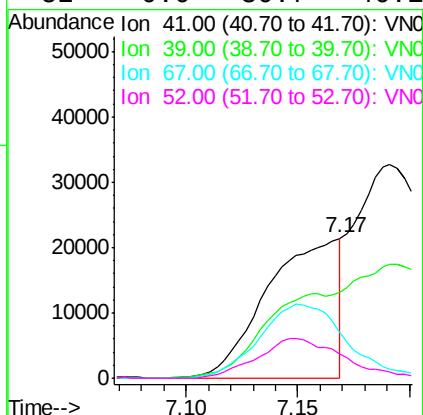
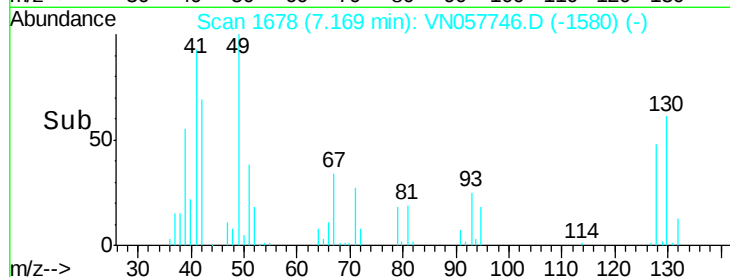
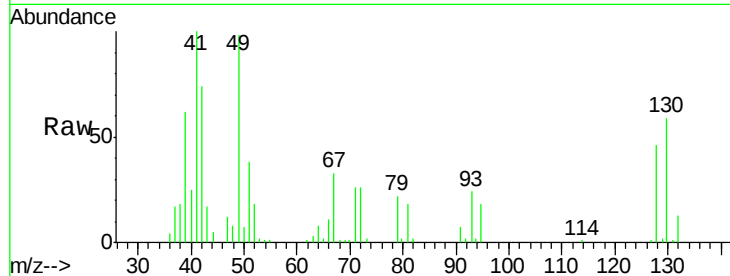
#41
Methacrylonitrile
Concen: 22.566 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. 0.02 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleID :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.6	65.4#
67	0.0	59.8	89.6#
52	0.0	30.7	46.1#

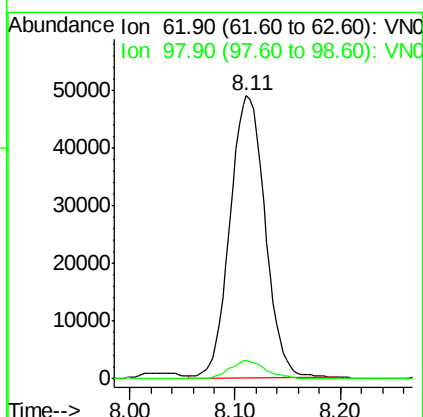
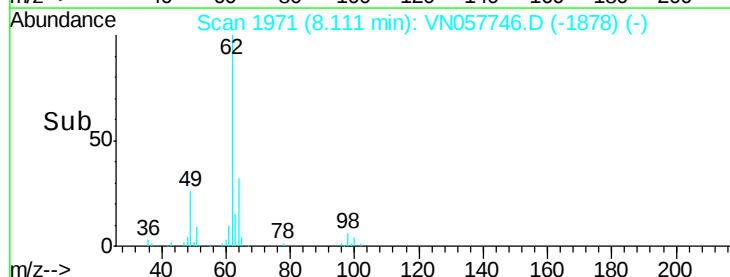
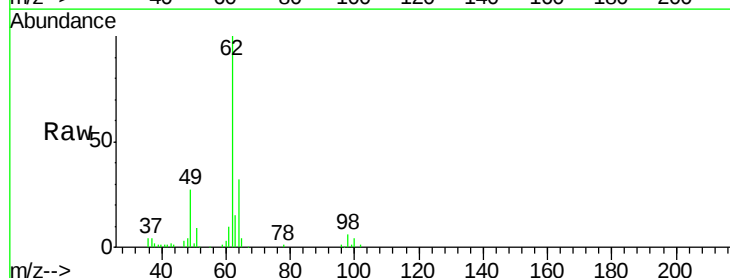
Manual Integrations
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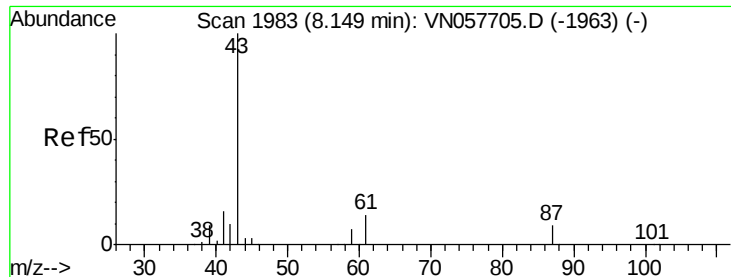
MMDadoda
9/10/2019 3:03:12 PM



#42
1,2-Dichloroethane
Concen: 19.411 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	12.6





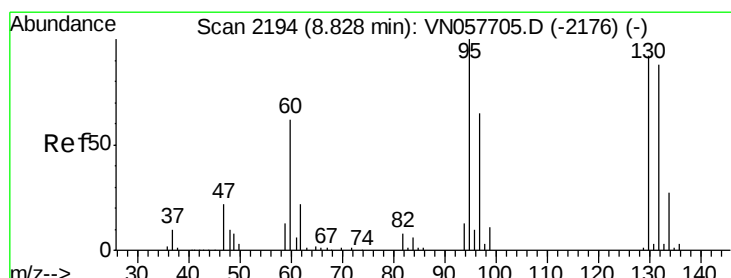
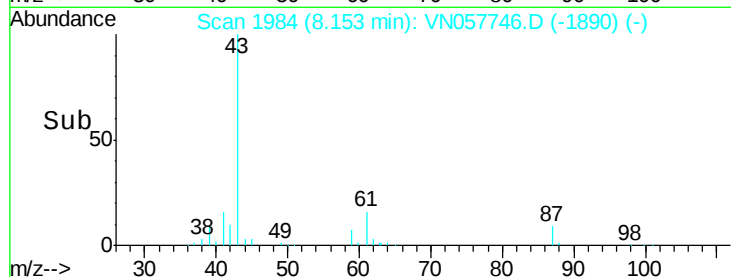
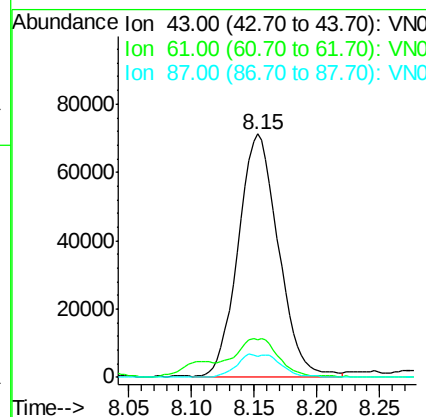
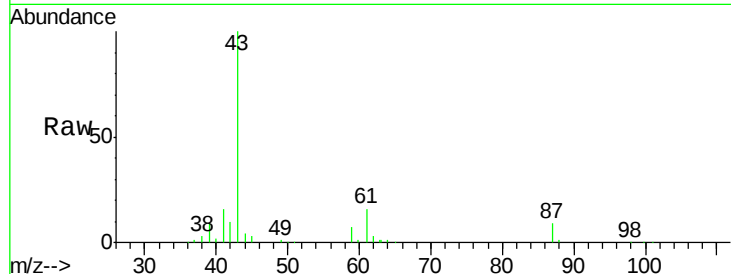
#43
Isopropyl Acetate
Concen: 18.709 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.8	19.2
87	5.1	7.8	11.8

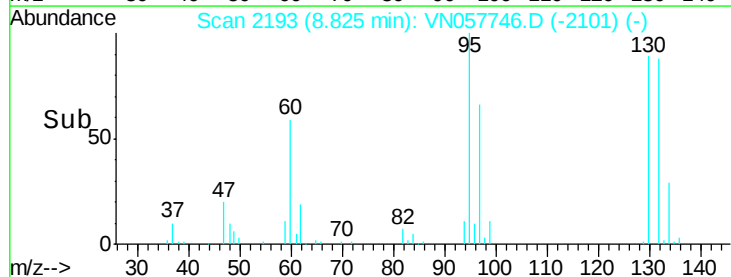
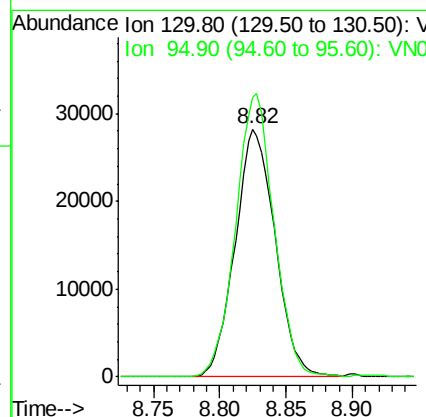
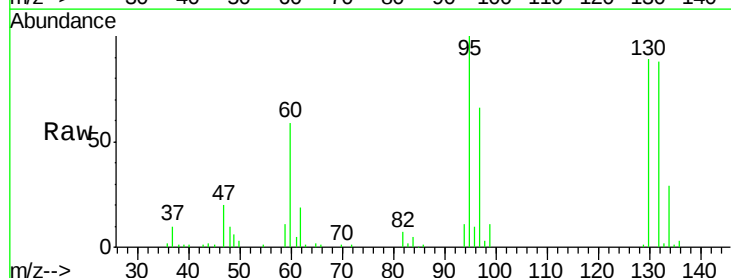
Manual Integrations
APPROVED

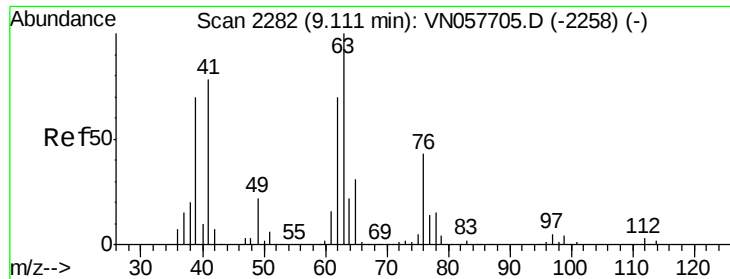
MMDadoda
9/10/2019 3:03:12 PM



#44
Trichloroethene
Concen: 21.072 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.0	0.0	217.8





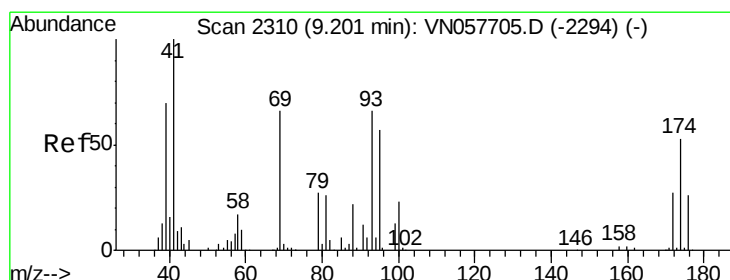
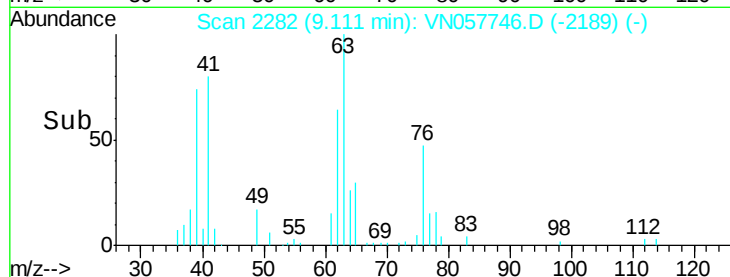
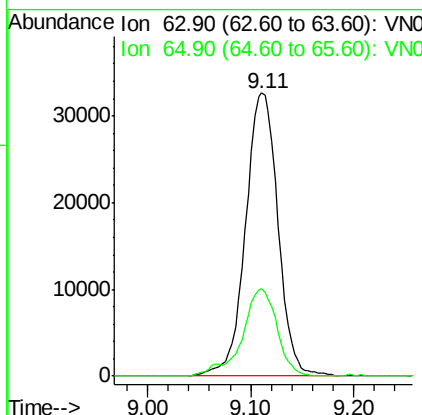
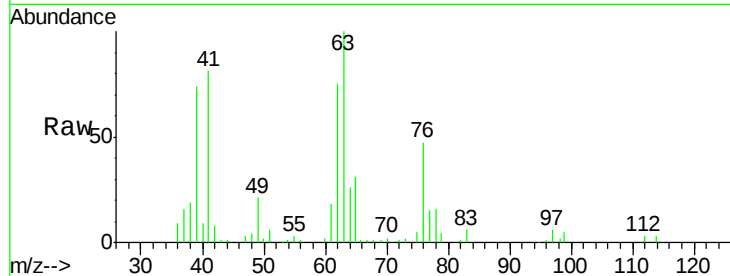
#45
 1,2-Dichloropropane
 Concen: 20.407 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion: 63 Resp: 71270
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.5 36.7

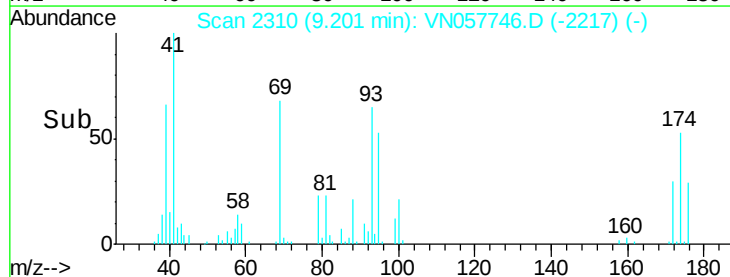
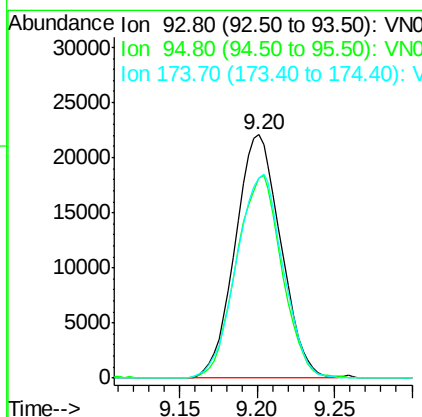
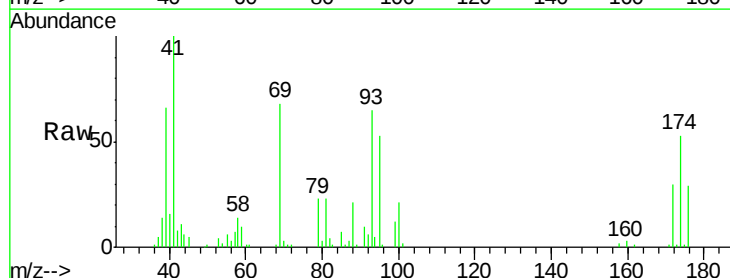
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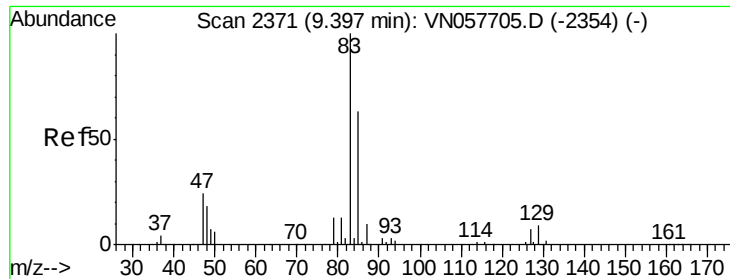
MMDadoda
 9/10/2019 3:03:12 PM



#46
 Dibromomethane
 Concen: 20.189 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Tgt Ion: 93 Resp: 45227
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.1 99.1
 174 85.7 63.4 95.2





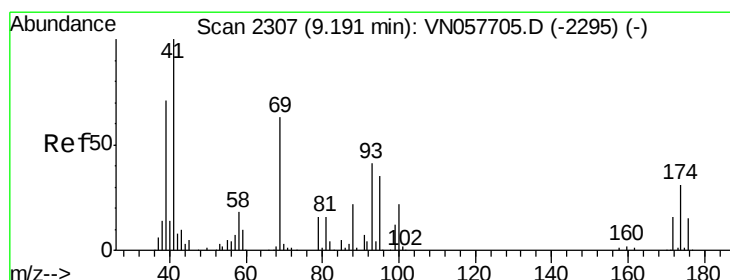
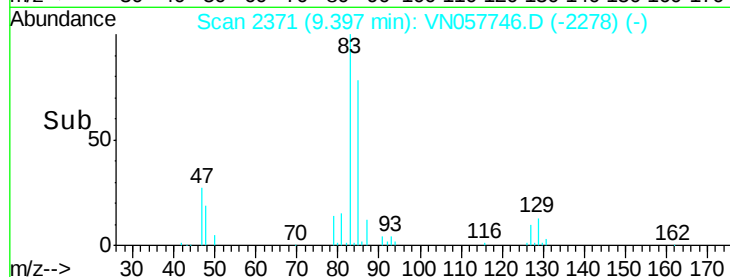
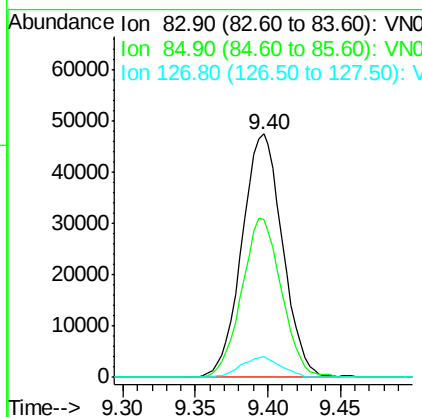
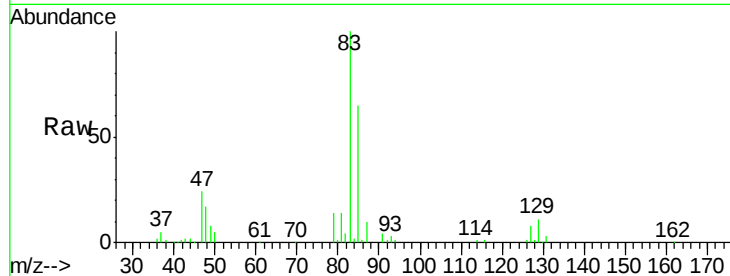
#47
Bromodichloromethane
Concen: 19.485 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	83	Resp	92767
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	50.7	76.1
127	8.4	5.6	8.4#

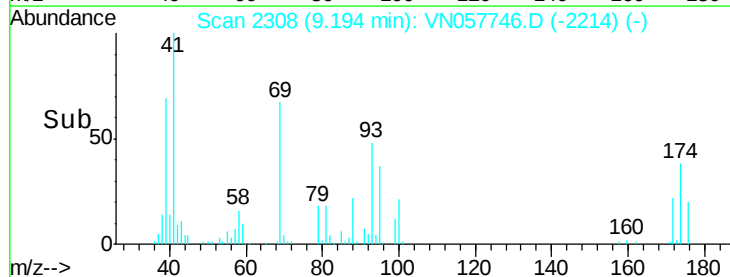
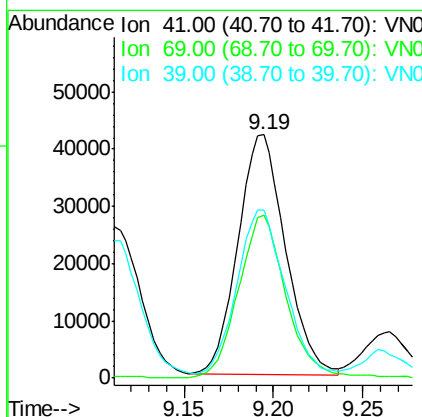
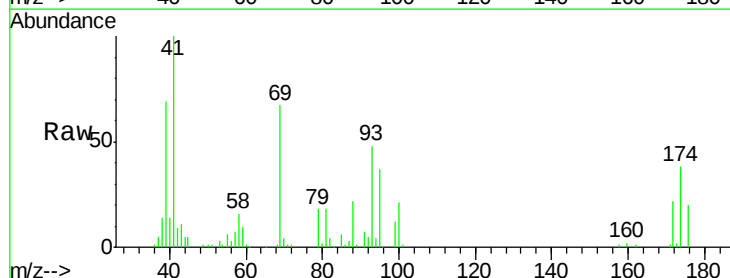
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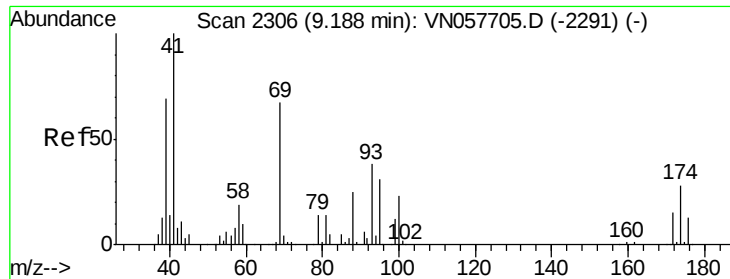
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#48
Methyl methacrylate
Concen: 17.963 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	41	Resp	77720
Ion Ratio	100	Lower	Upper
41	100		
69	68.7	51.2	76.8
39	71.6	57.3	85.9





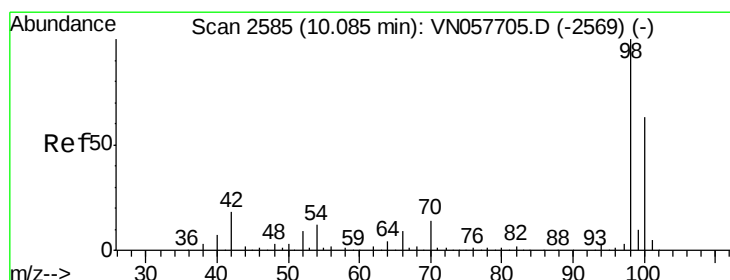
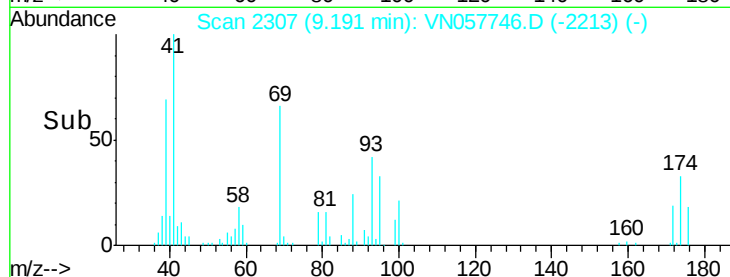
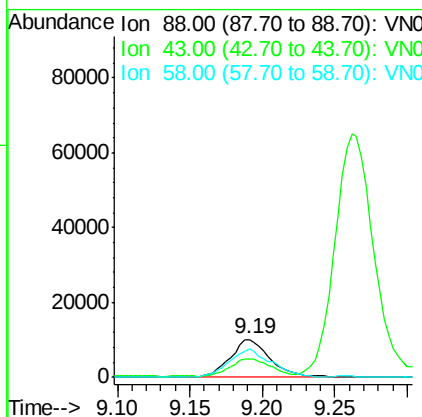
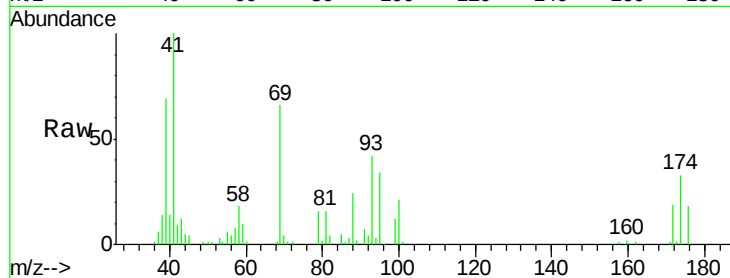
#49
1,4-Dioxane
Concen: 382.474 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.4	35.4	53.2
58	79.9	61.5	92.3

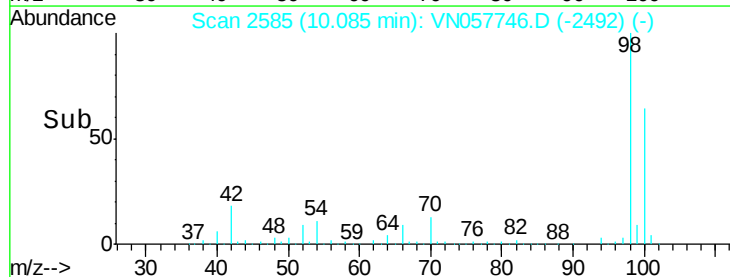
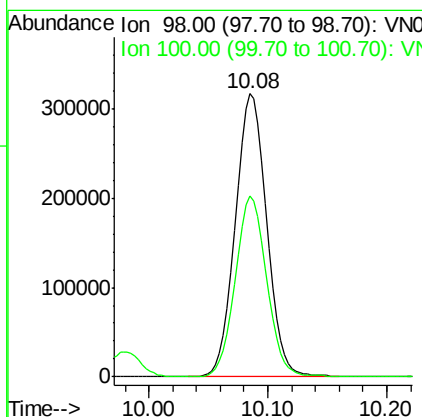
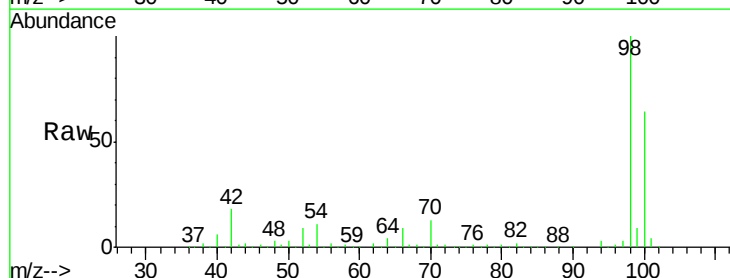
Manual Integrations
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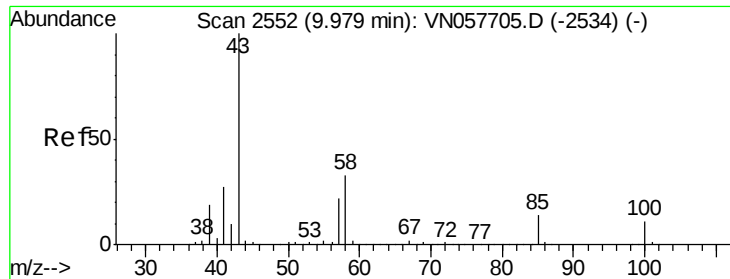
MMDadoda
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#50
Toluene-d8
Concen: 52.011 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.7	76.1





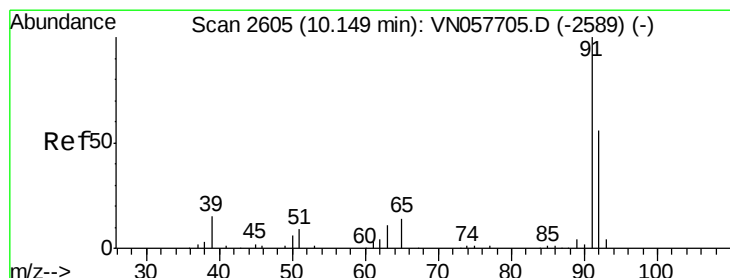
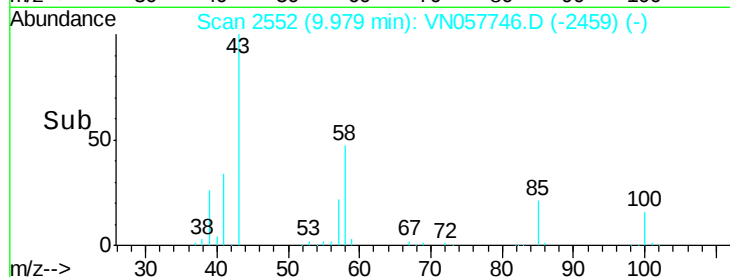
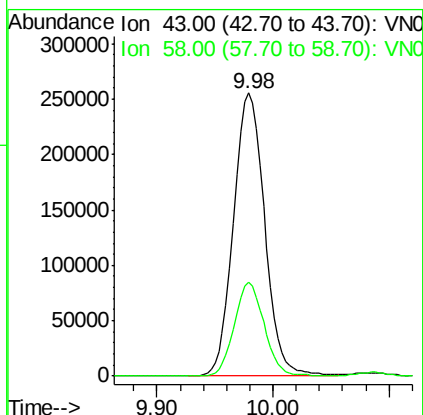
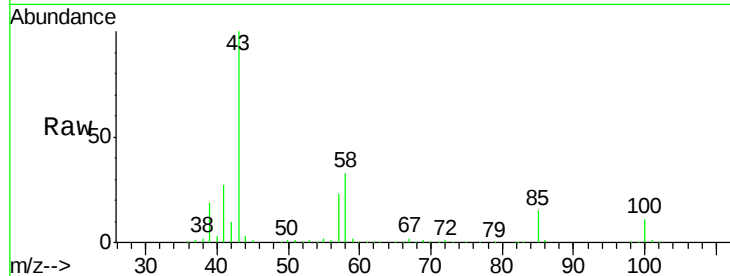
#51
4-Methyl-2-Pentanone
Concen: 101.429 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion: 43 Resp: 473877
Ion Ratio Lower Upper
43 100
58 32.0 25.8 38.8

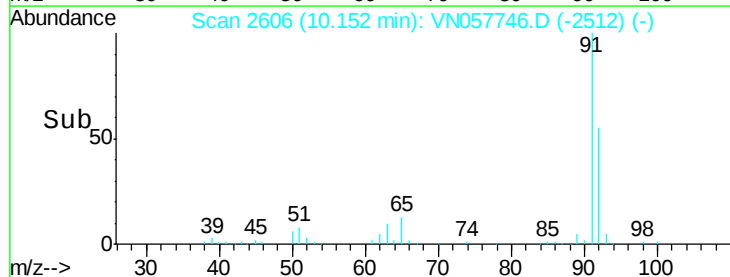
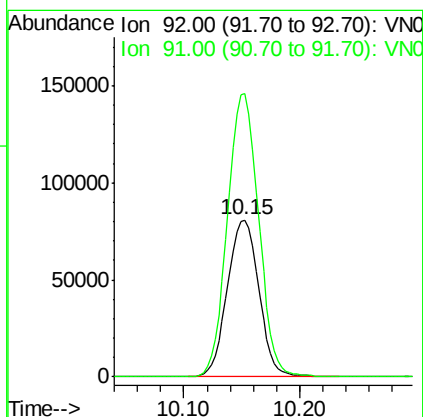
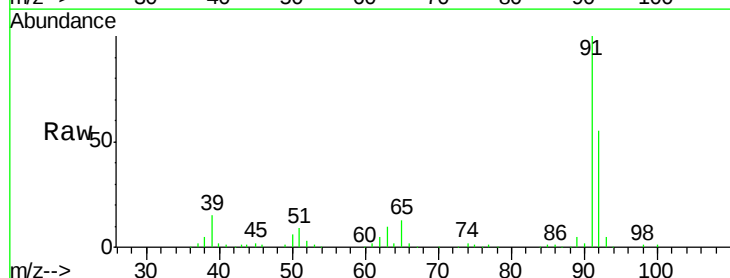
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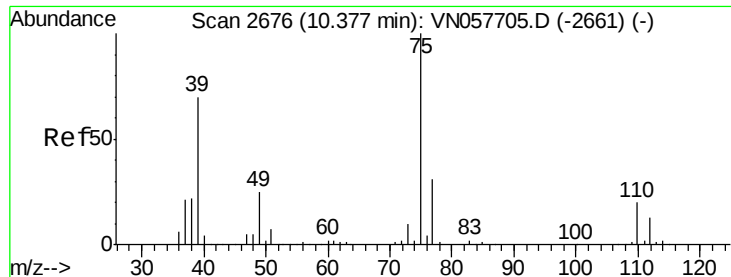
MMDadoda
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#52
Toluene
Concen: 20.130 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion: 92 Resp: 152354
Ion Ratio Lower Upper
92 100
91 178.0 141.5 212.3





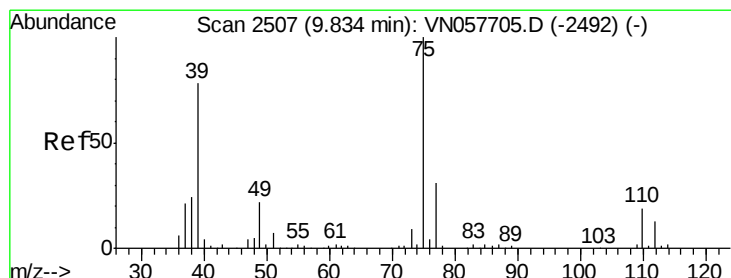
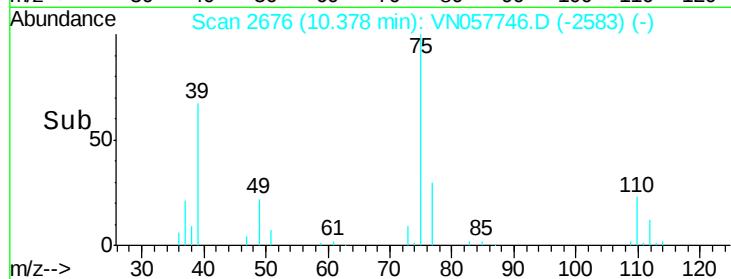
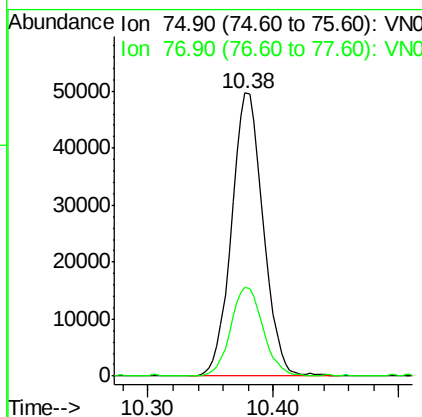
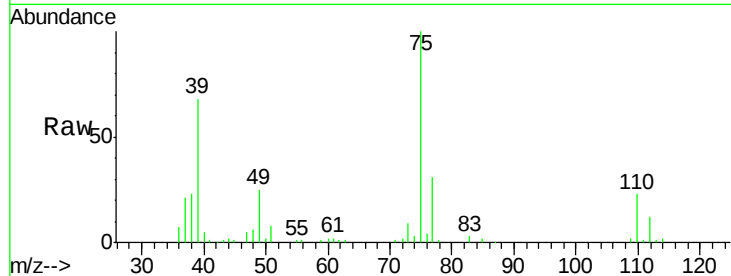
#53
t-1,3-Dichloropropene
Concen: 18.216 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion: 75 Resp: 87008
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

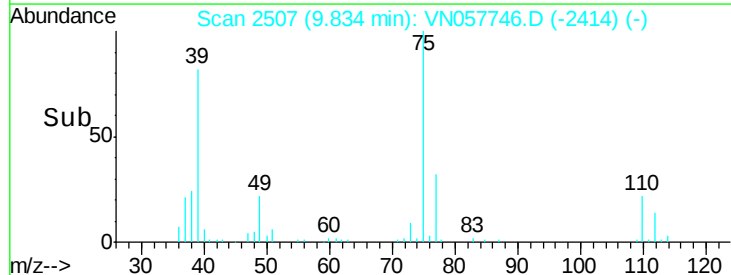
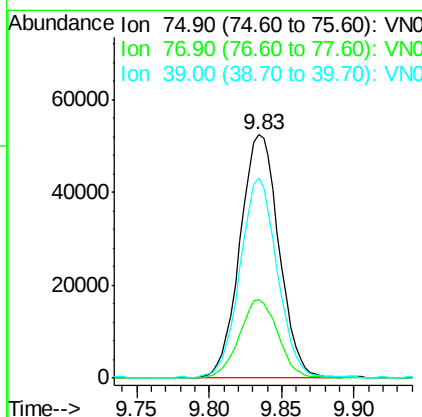
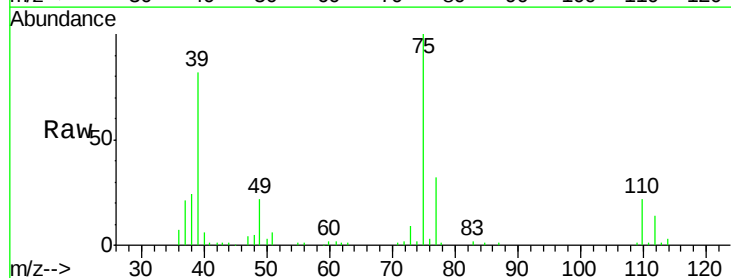
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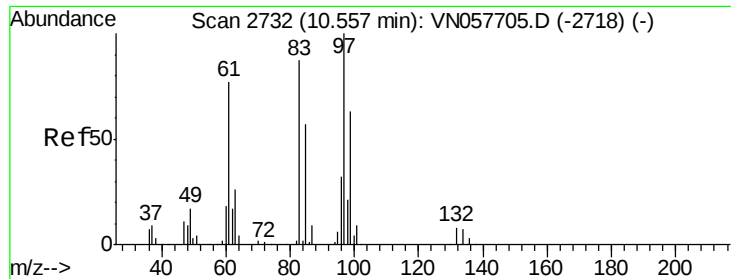
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#54
cis-1,3-Dichloropropene
Concen: 19.045 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion: 75 Resp: 98280
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7
39 81.8 62.4 93.6





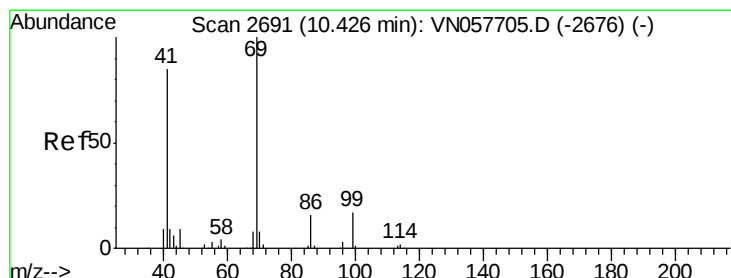
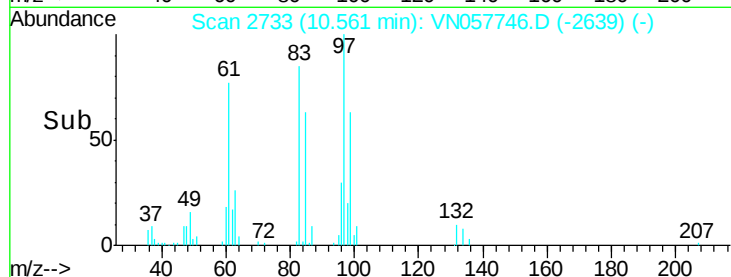
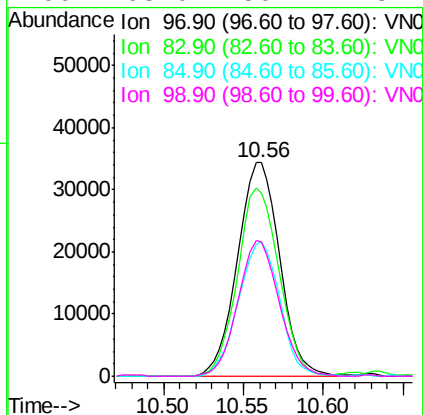
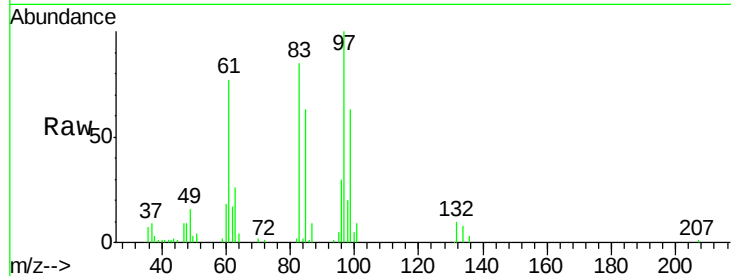
#55
 1,1,2-Trichloroethane
 Concen: 20.311 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.5	104.3
85	62.8	45.7	68.5
99	63.0	50.2	75.4

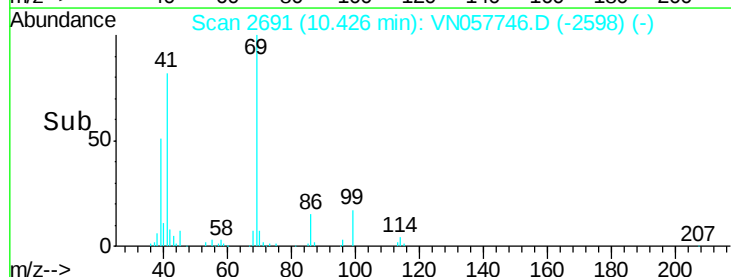
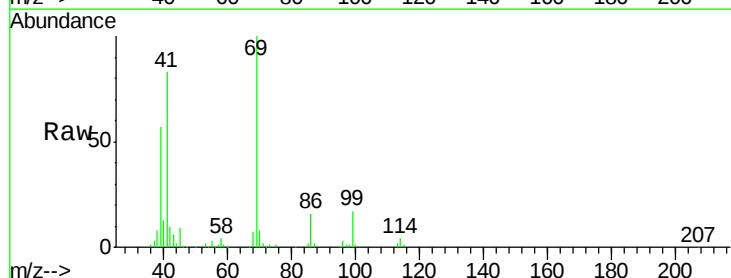
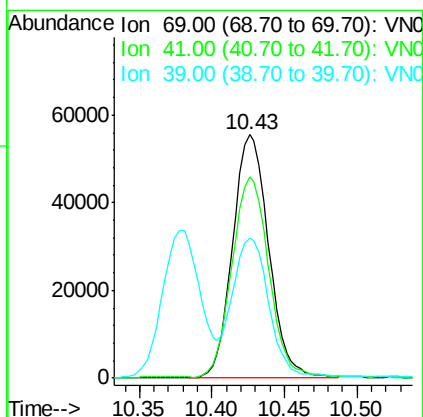
Manual Integrations
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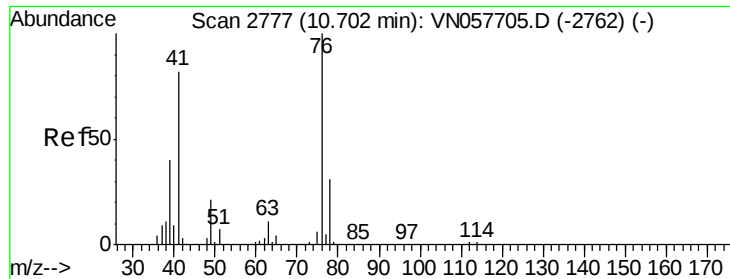
MMDadoda
 9/10/2019 3:03:12 PM



#56
 Ethyl methacrylate
 Concen: 19.759 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	83.9	69.0	103.4
39	58.6	49.2	73.8





#57

1,3-Dichloropropane

Concen: 19.808 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 76 Resp: 108372

Ion Ratio Lower Upper

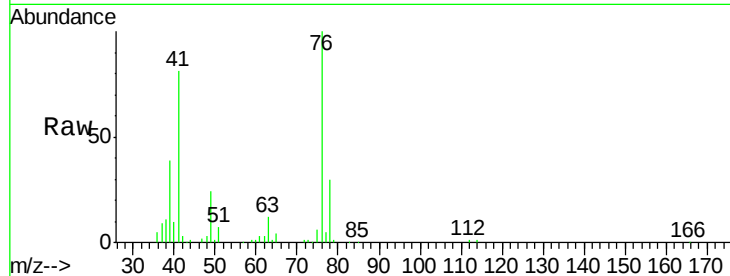
76 100

78 31.7 25.5 38.3

Manual Integrations
APPROVED

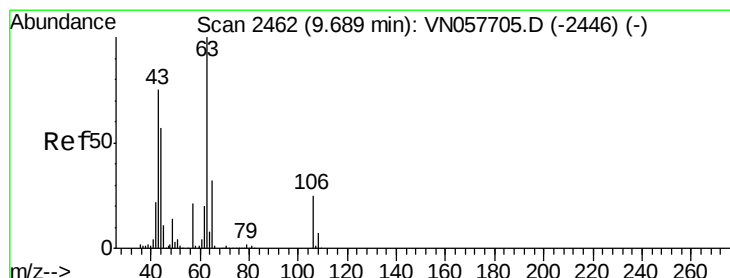
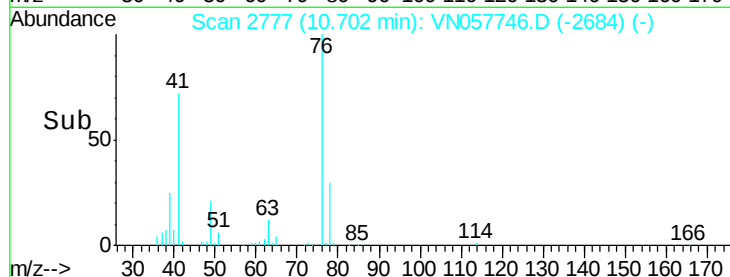
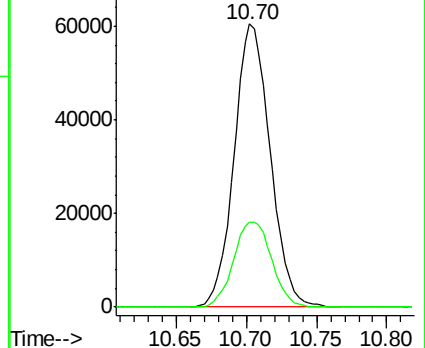
MMDadoda

9/10/2019 3:03:12 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.331 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057746.D

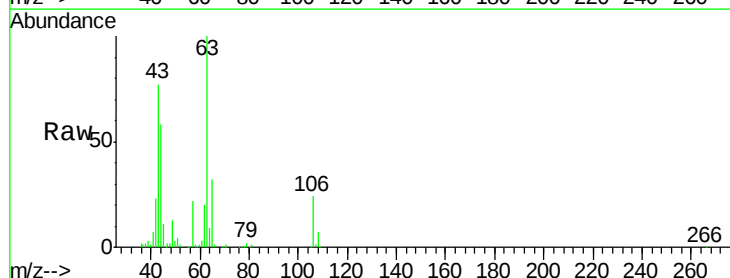
Acq: 7 Sep 2019 12:32

Tgt Ion: 63 Resp: 242522

Ion Ratio Lower Upper

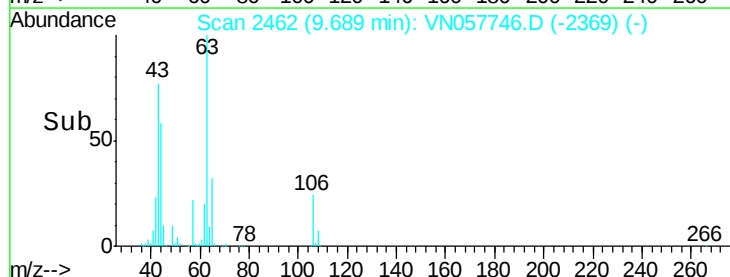
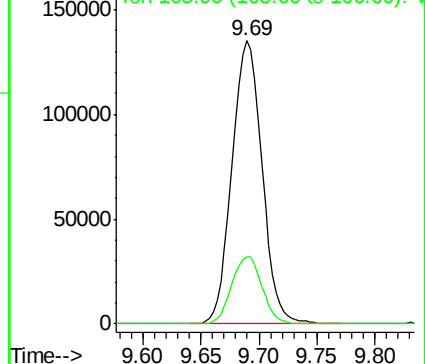
63 100

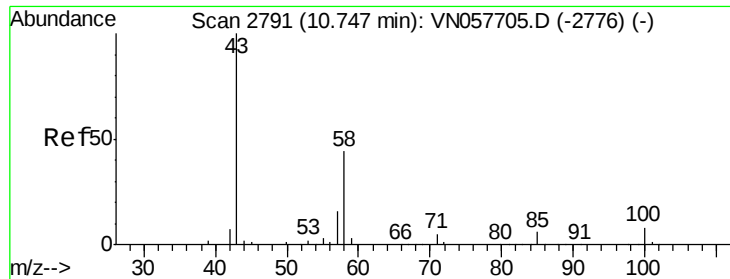
106 23.9 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





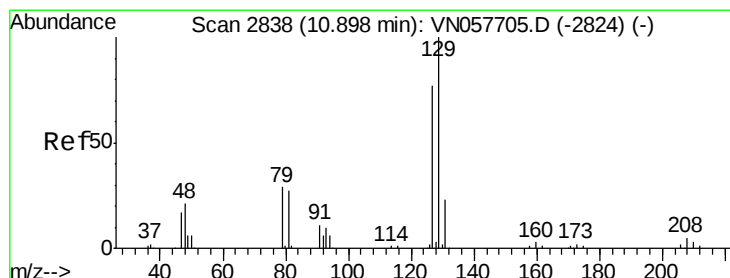
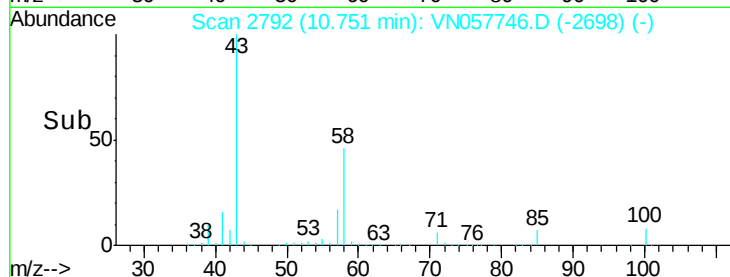
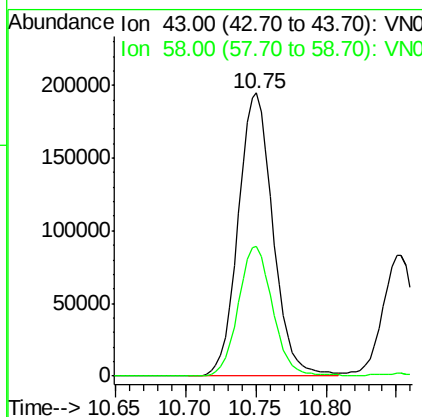
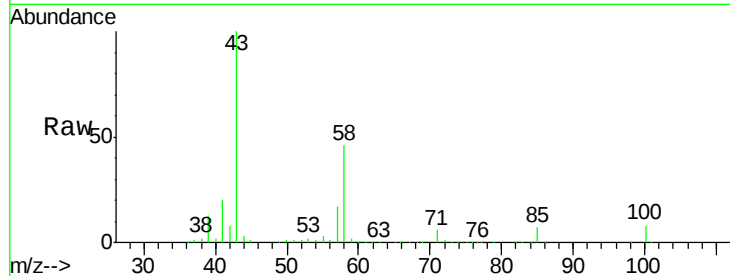
#59
2-Hexanone
Concen: 101.664 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion: 43 Resp: 334933
Ion Ratio Lower Upper
43 100
58 45.6 22.1 66.5

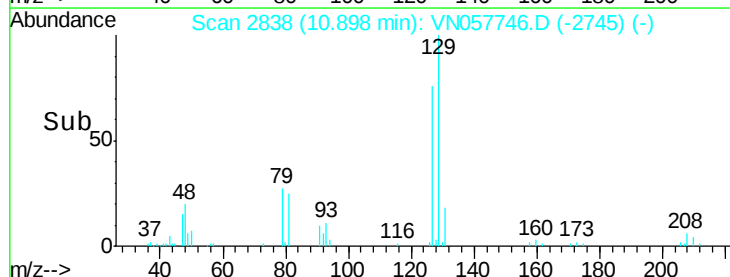
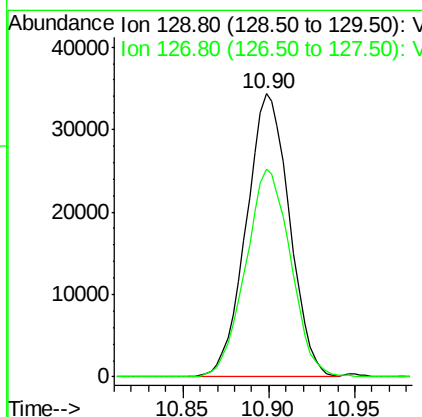
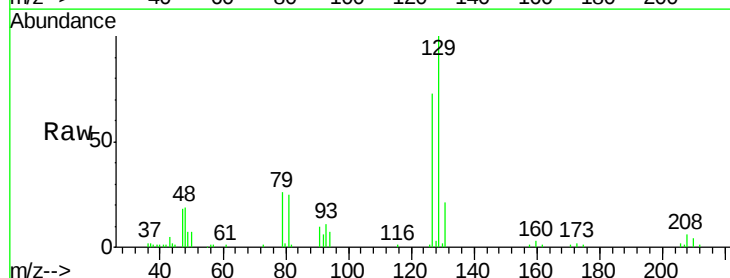
Manual Integrations
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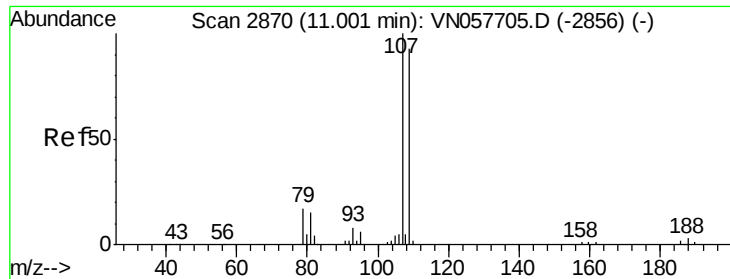
MMDadoda
9/10/2019 3:03:12 PM



#60
Dibromochloromethane
Concen: 19.431 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion: 129 Resp: 59950
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 21.224 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion:107 Resp: 62059

Ion Ratio Lower Upper

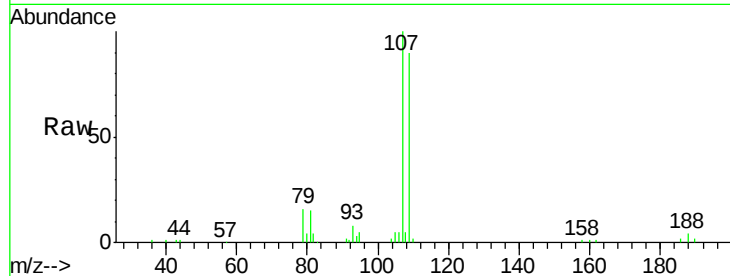
107 100

109 93.4 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

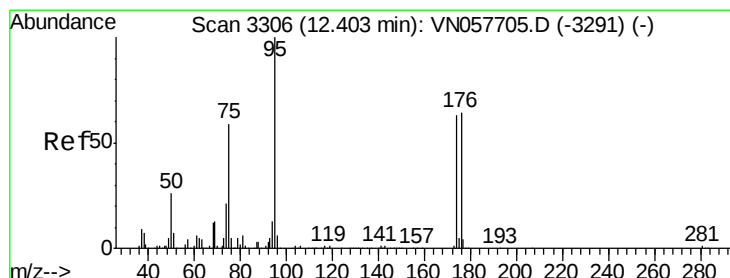
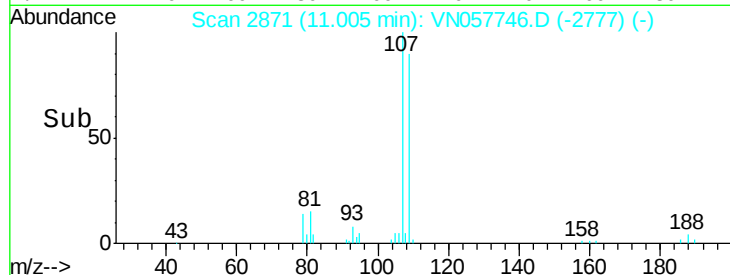
20000

10000

0

Time-->

10.95 11.00 11.05 11.10



#62

4-Bromofluorobenzene

Concen: 47.576 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

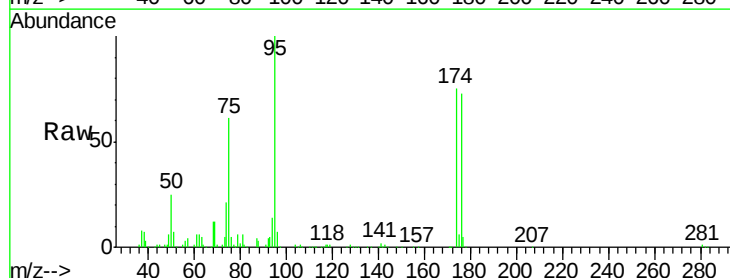
Tgt Ion: 95 Resp: 220957

Ion Ratio Lower Upper

95 100

174 75.3 0.0 128.0

176 72.8 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

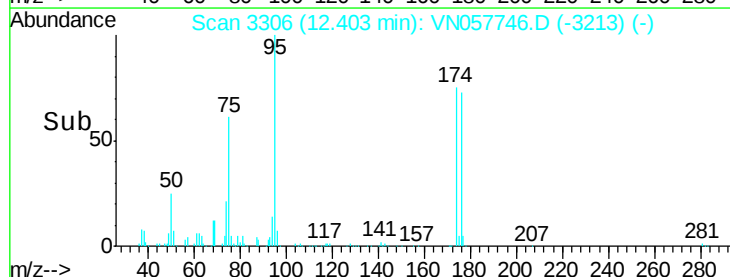
100000

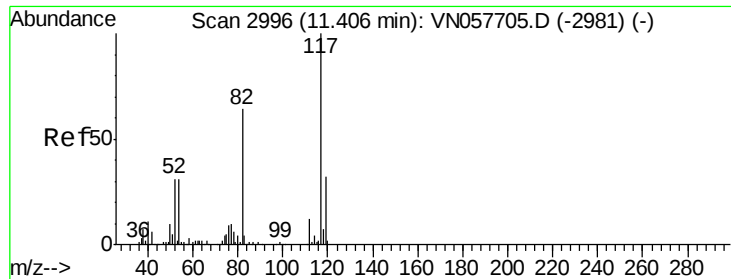
50000

0

Time-->

12.30 12.40 12.50





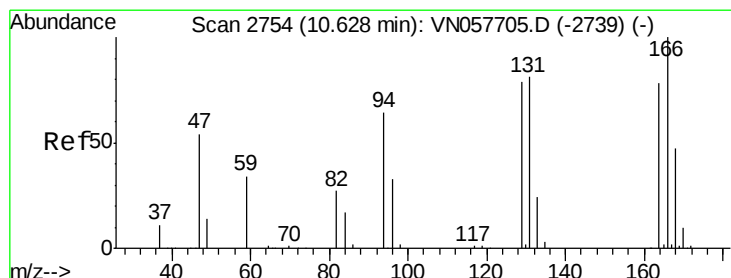
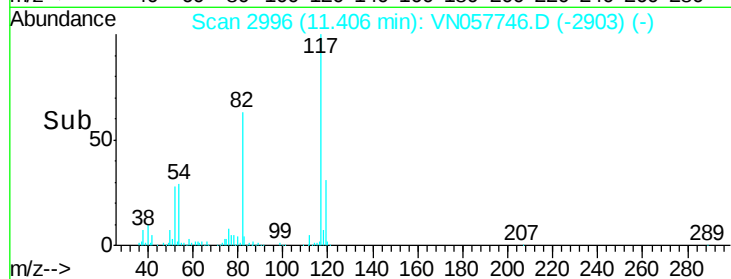
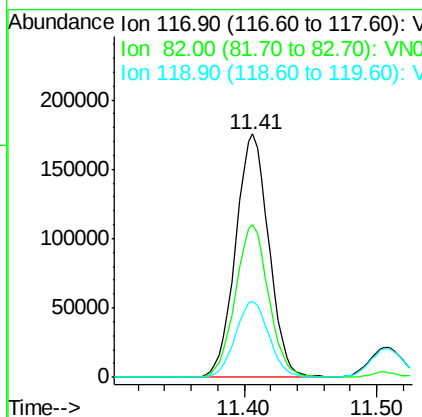
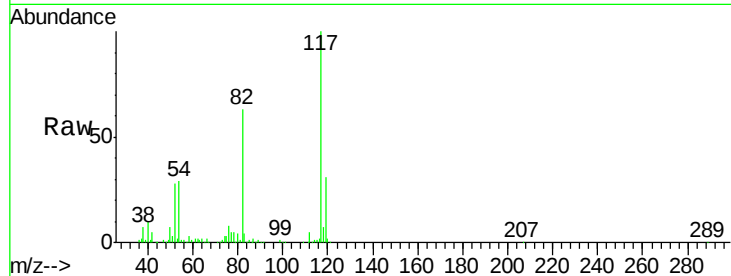
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.5	51.4	77.0
119	31.4	25.4	38.2

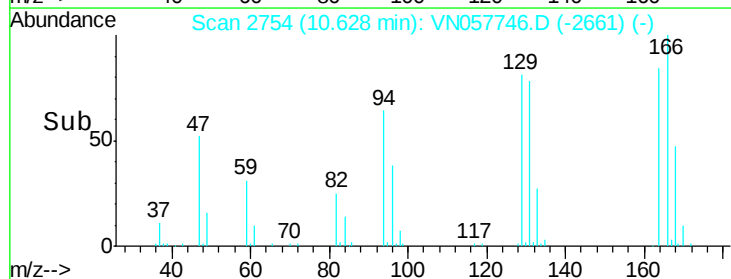
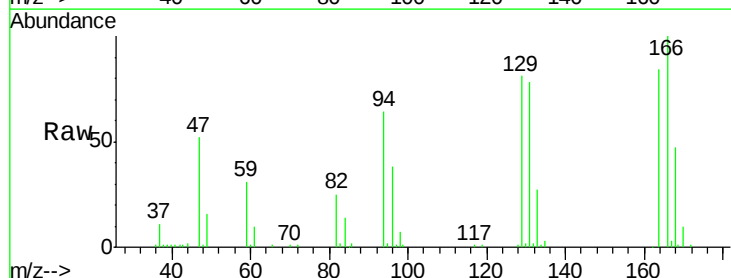
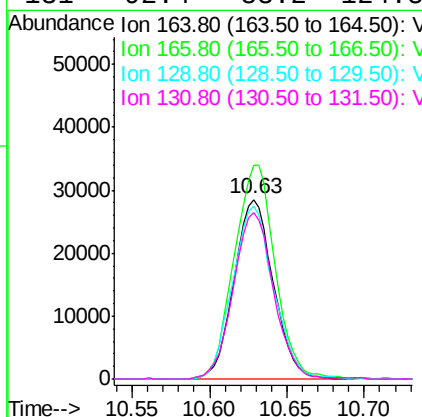
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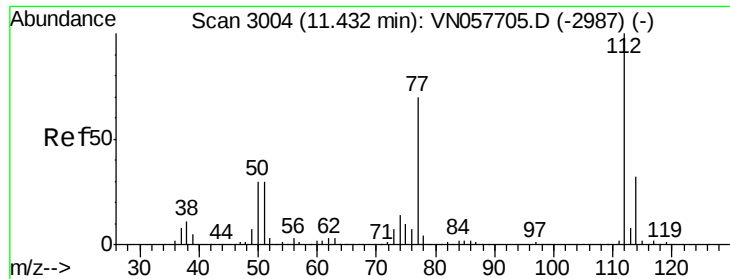
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#64
Tetrachloroethene
Concen: 21.078 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.8	103.0	154.6
129	96.6	81.1	121.7
131	92.4	83.2	124.8





#65

Chlorobenzene

Concen: 20.772 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0907WBS01

Tot Ion:112 Resp: 165087

Ion Ratio Lower Upper

112 100

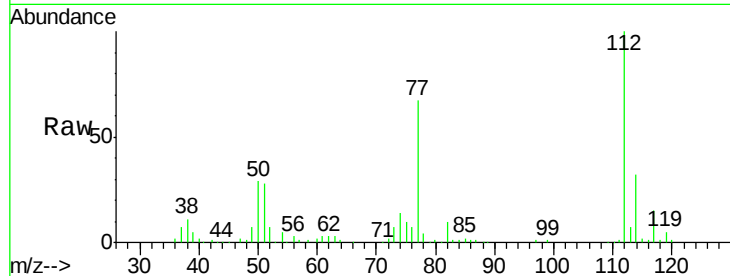
114 32.0 25.8 38.8

Manual Integrations

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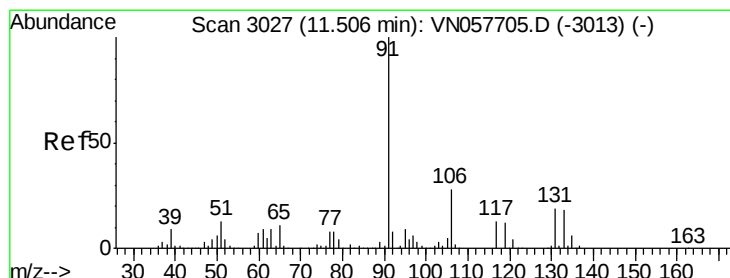
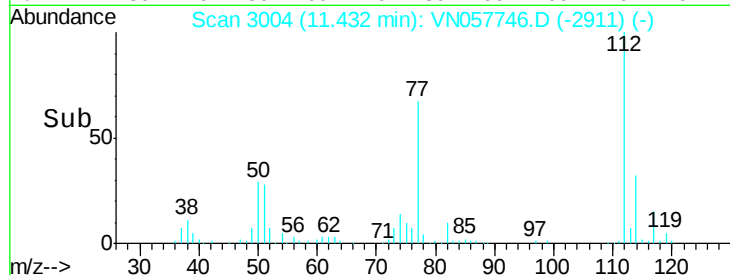
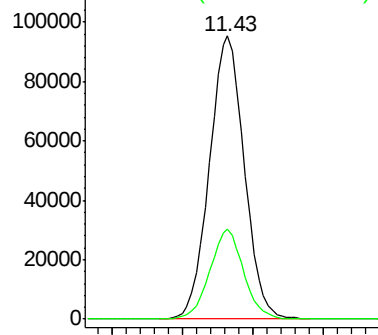
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.654 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

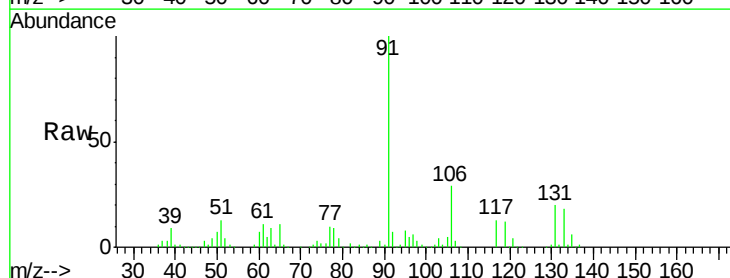
Tgt Ion:131 Resp: 59881

Ion Ratio Lower Upper

131 100

133 89.8 47.6 142.9

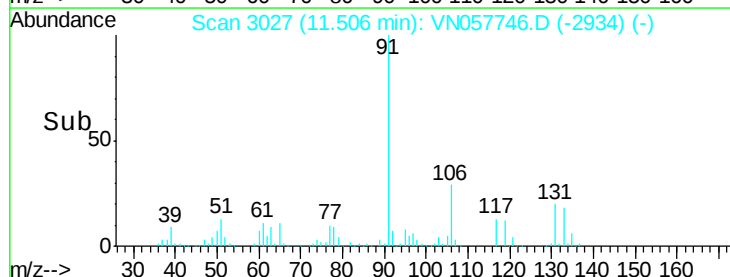
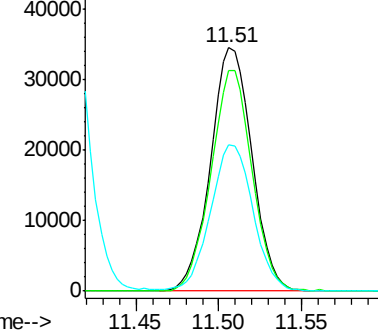
119 61.9 32.8 98.3

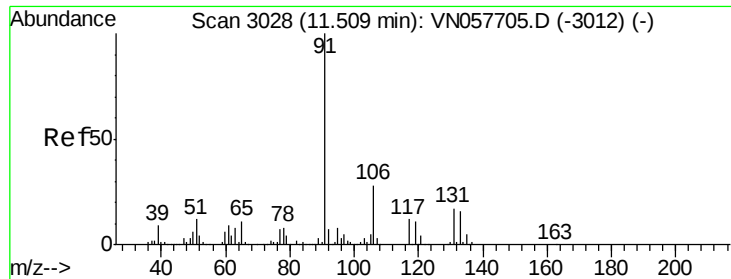


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





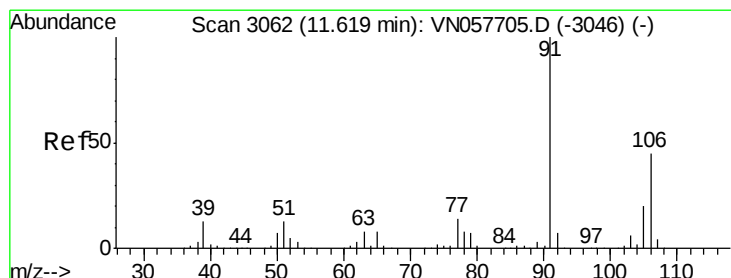
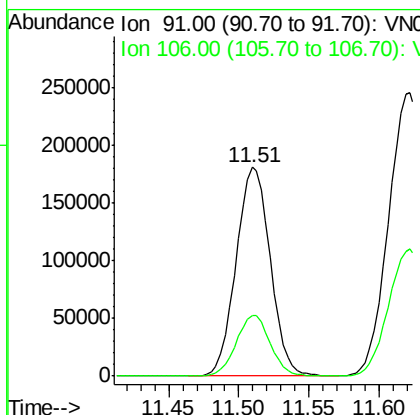
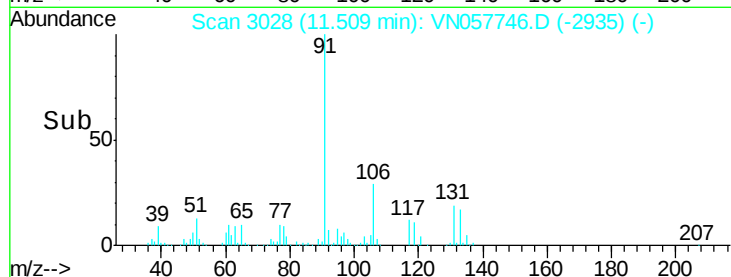
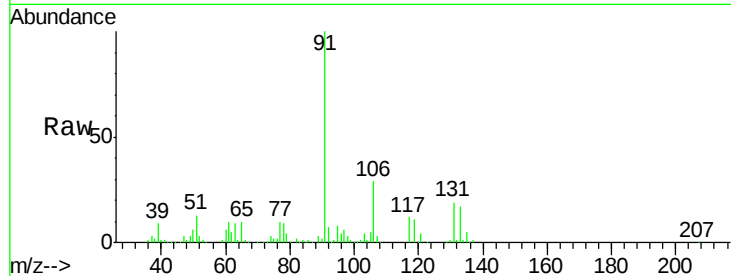
#67
Ethyl Benzene
Concen: 20.112 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0907WBS01

Tot Ion: 91 Resp: 308404
Ion Ratio Lower Upper
91 100
106 29.2 22.8 34.2

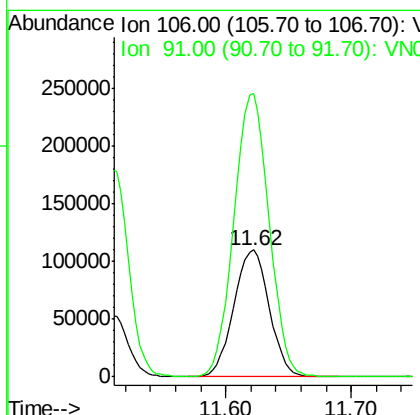
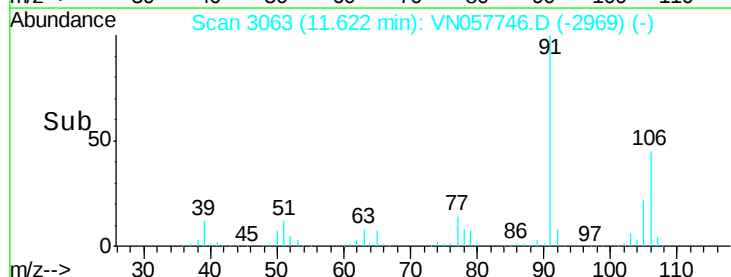
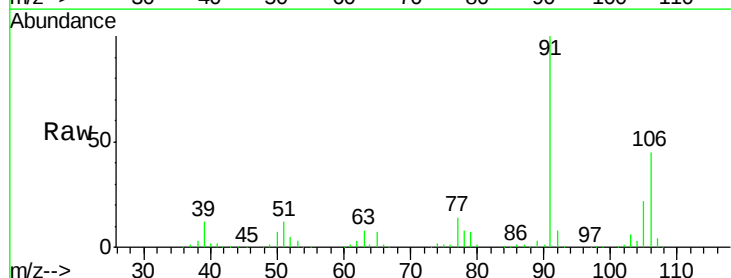
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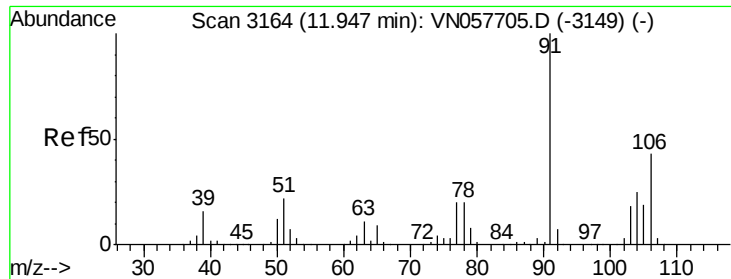
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#68
m/p-Xylenes
Concen: 40.879 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion: 106 Resp: 215902
Ion Ratio Lower Upper
106 100
91 221.0 179.8 269.8





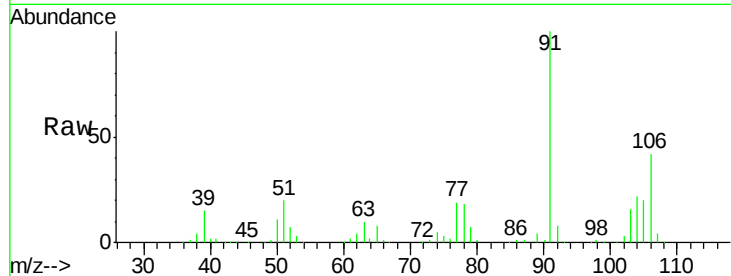
#69
o-Xylene
Concen: 19.808 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

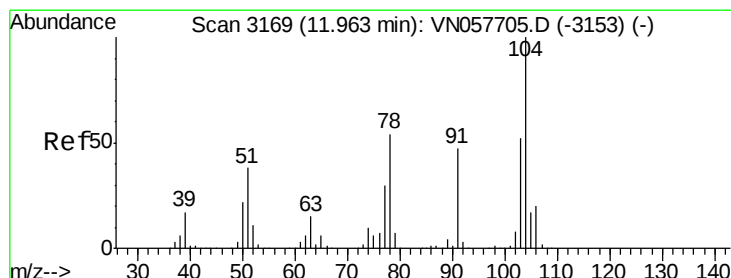
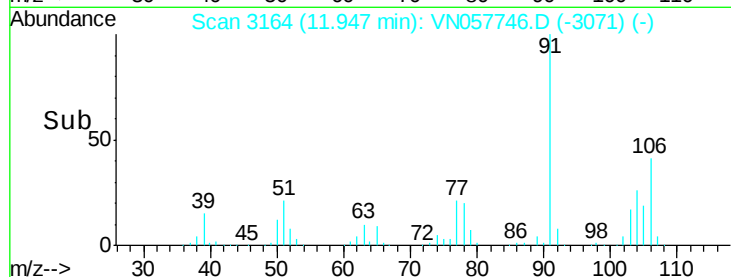
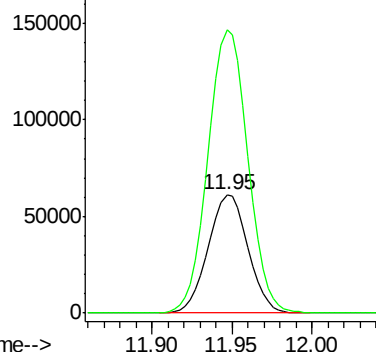
Tot Ion:106 Resp: 103587
Ion Ratio Lower Upper
106 100
91 239.9 116.8 350.4

Manual Integrations
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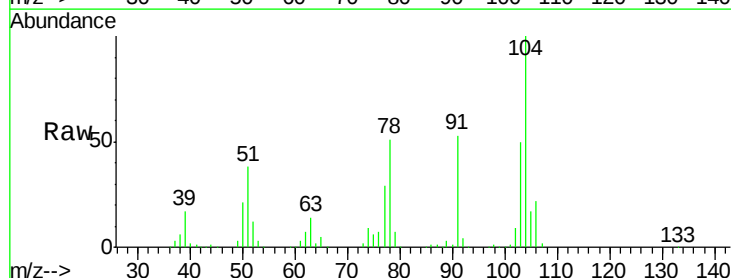


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

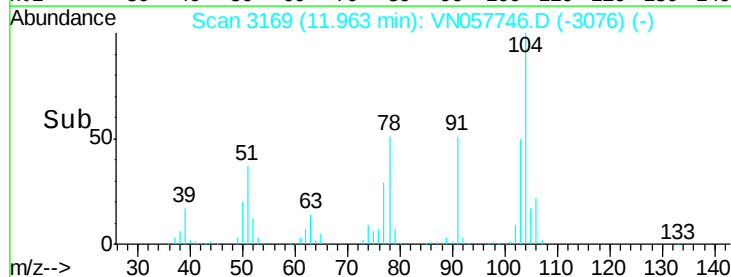
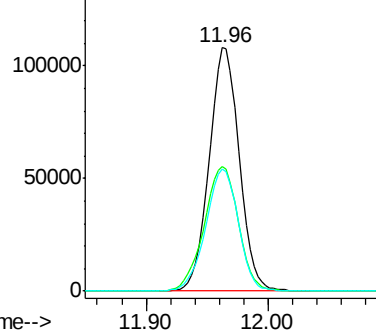


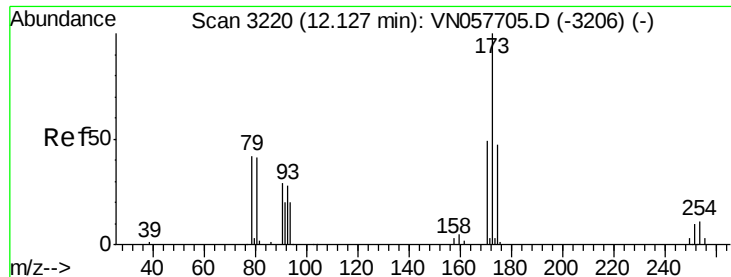
#70
Styrene
Concen: 20.280 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion:104 Resp: 183509
Ion Ratio Lower Upper
104 100
78 58.6 48.5 72.7
103 54.5 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: 19.277 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion:173 Resp: 35433

Ion Ratio Lower Upper

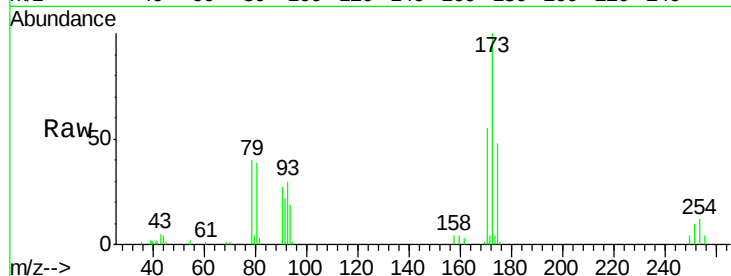
173 100

175 49.8 24.6 73.8

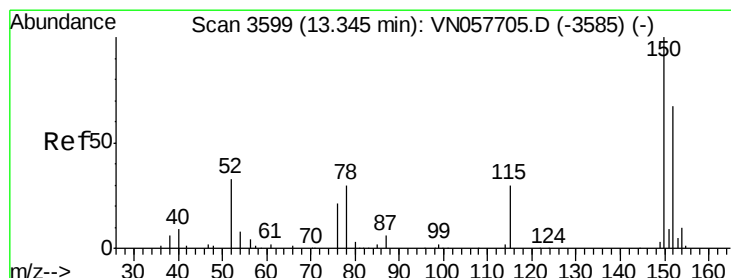
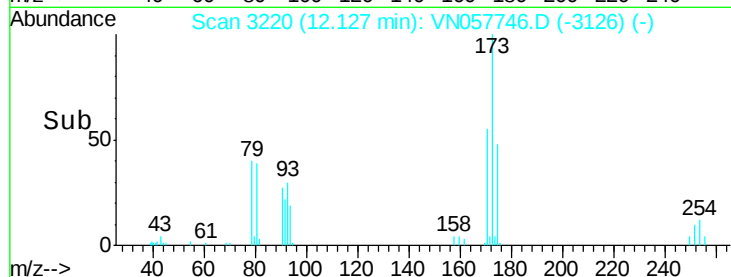
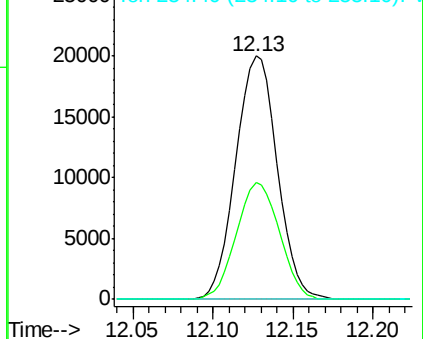
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

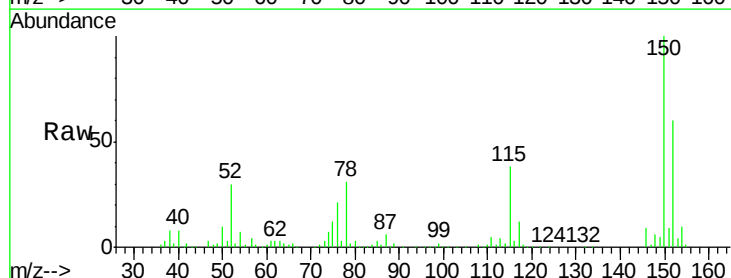
Tgt Ion:152 Resp: 175411

Ion Ratio Lower Upper

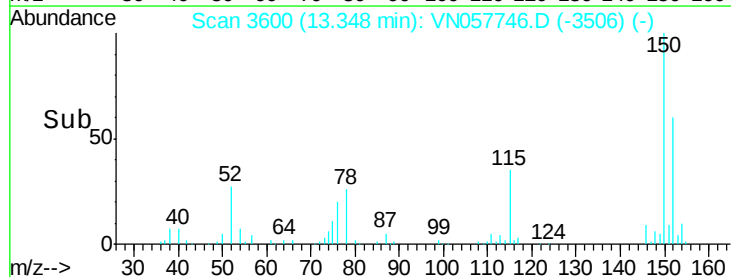
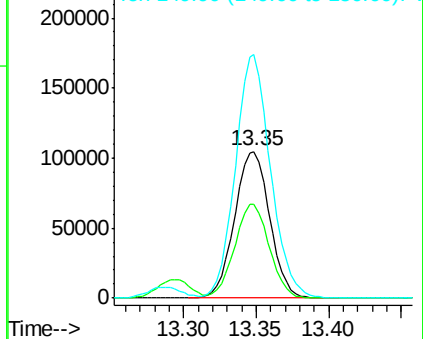
152 100

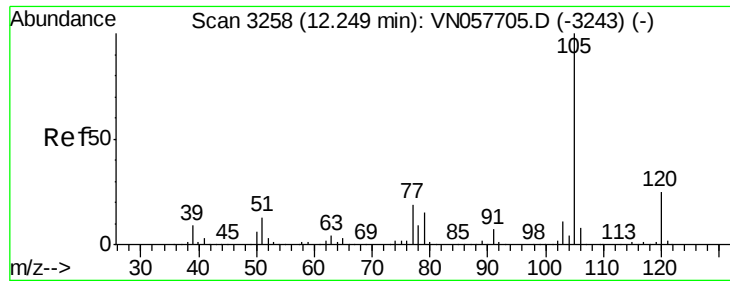
115 63.3 33.8 101.3

150 167.2 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.452 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 105 Resp: 301655

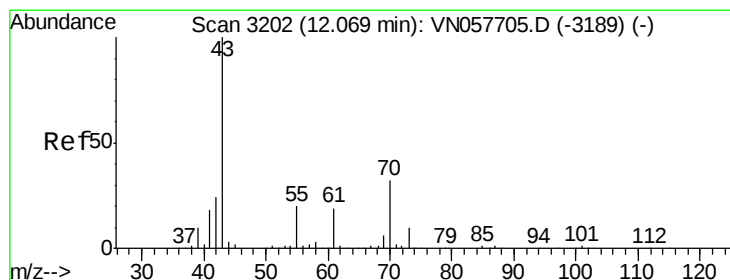
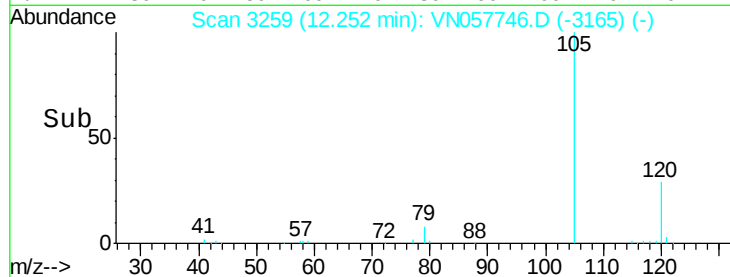
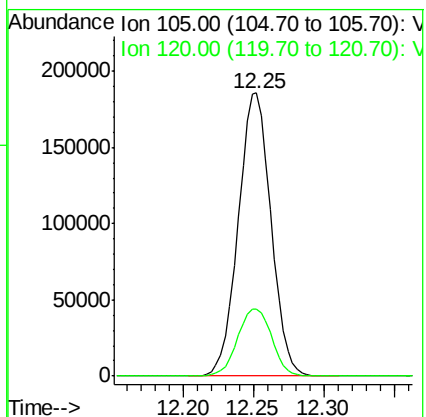
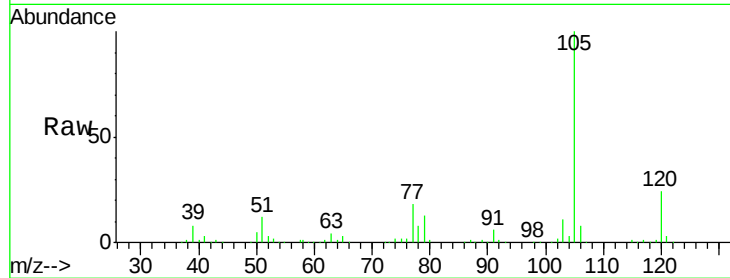
Ion Ratio Lower Upper

105 100

120 24.9 12.2 36.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.799 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Tgt Ion: 43 Resp: 137883

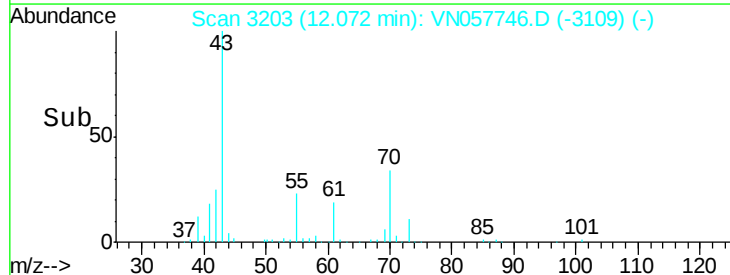
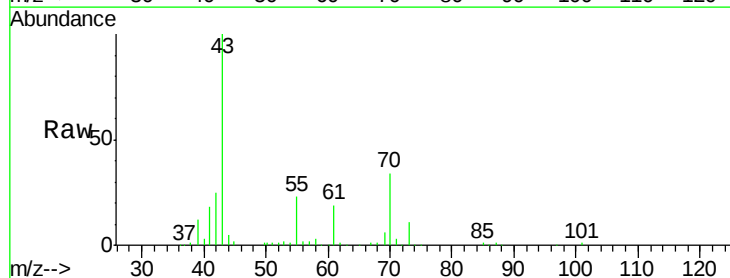
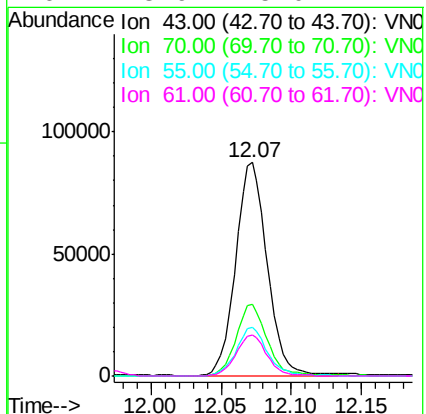
Ion Ratio Lower Upper

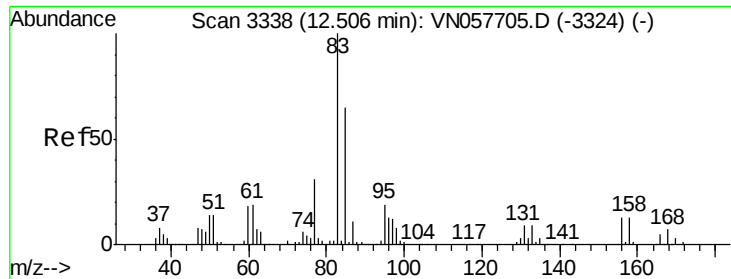
43 100

70 32.7 26.1 39.1

55 22.4 16.3 24.5

61 18.9 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.742 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

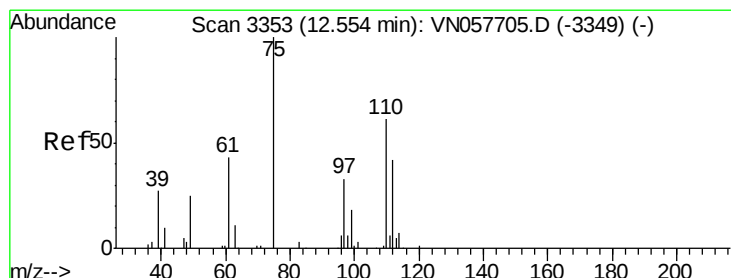
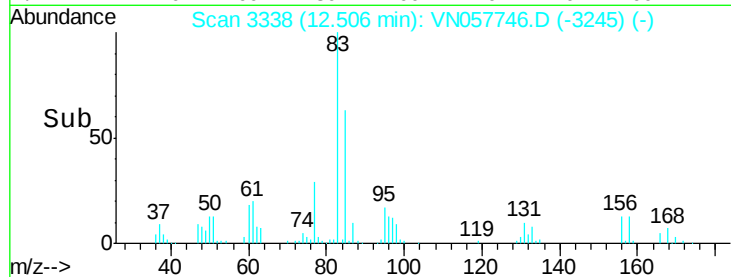
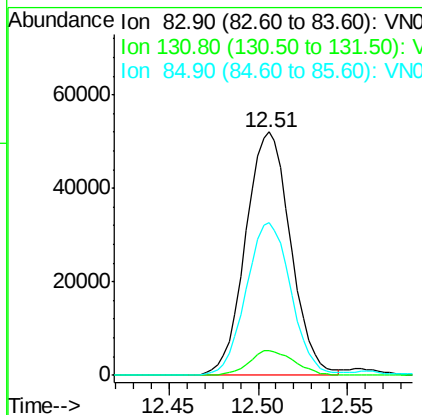
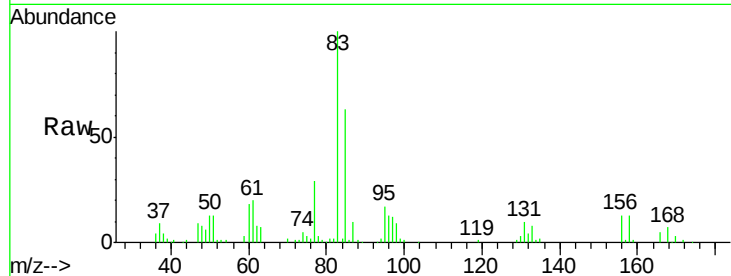
ClientSampleId :

VN0907WBS01

Tot Ion:	83	Resp:	91803
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.5	13.5
85	62.4	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.562 ug/l m

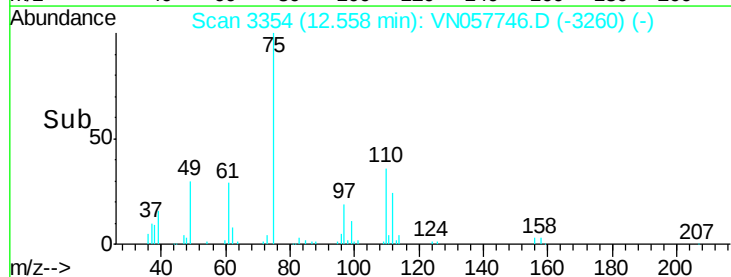
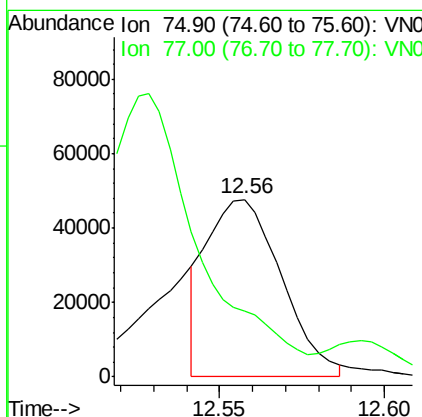
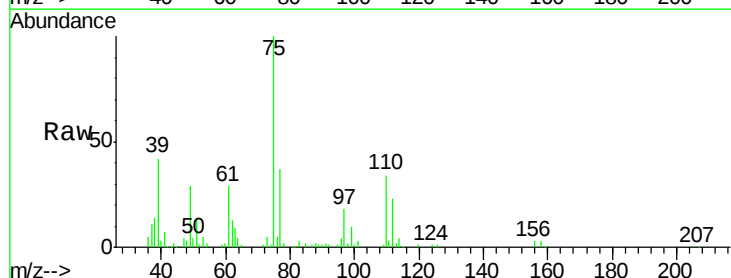
RT: 12.56 min Scan# 3354

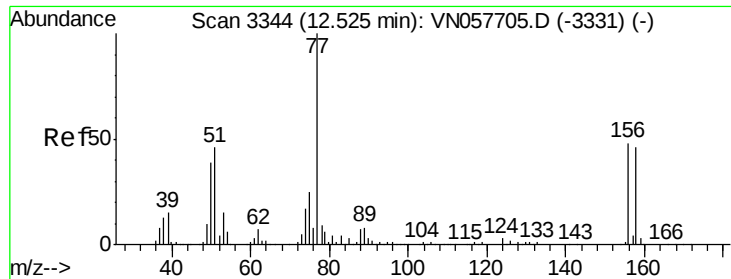
Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Tgt Ion:	75	Resp:	74771
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.289 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion:156 Resp: 71723

Ion Ratio Lower Upper

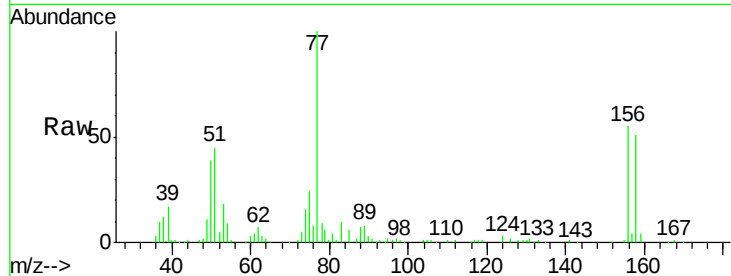
156 100

77 220.6 125.4 376.2

158 94.6 49.3 147.9

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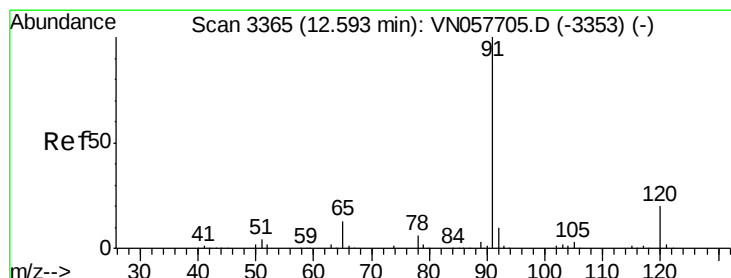
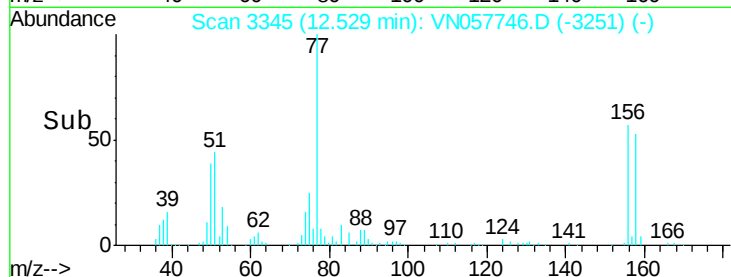
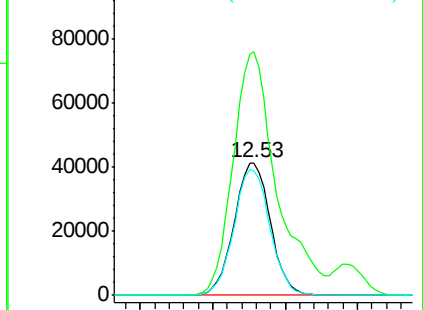
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.038 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057746.D

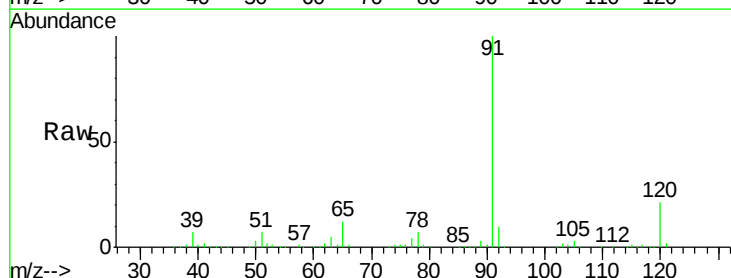
Acq: 7 Sep 2019 12:32

Tgt Ion: 91 Resp: 350769

Ion Ratio Lower Upper

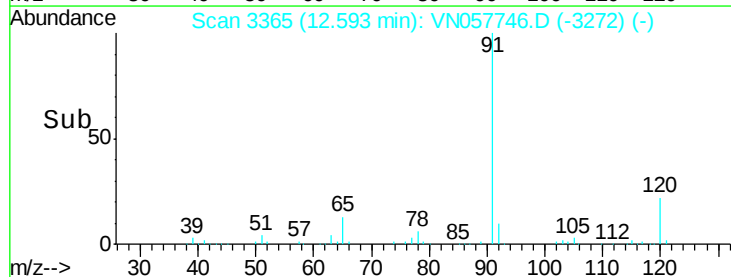
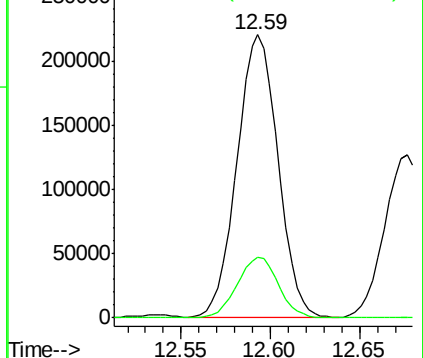
91 100

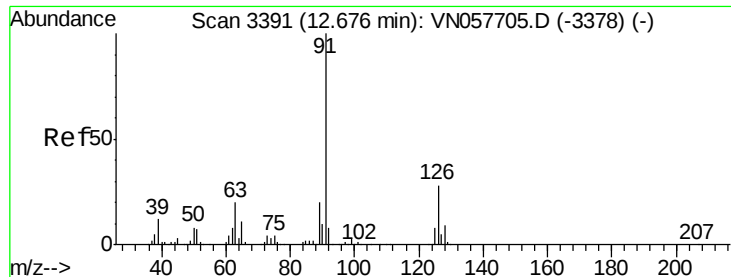
120 21.5 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.621 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 91 Resp: 208858

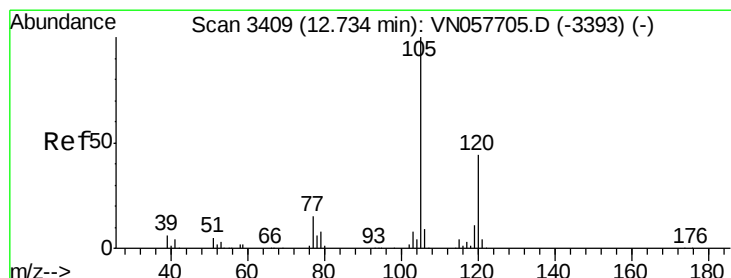
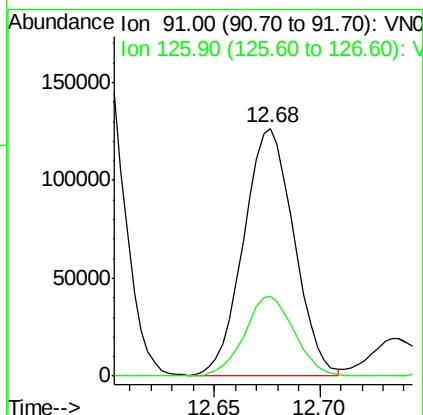
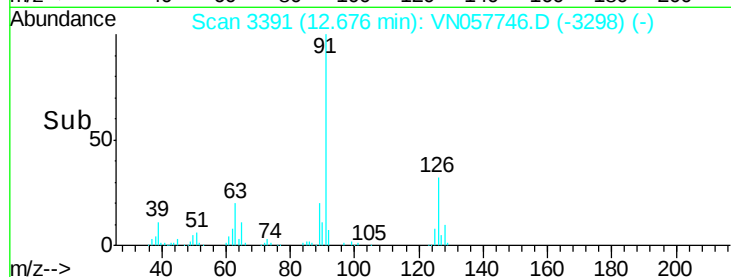
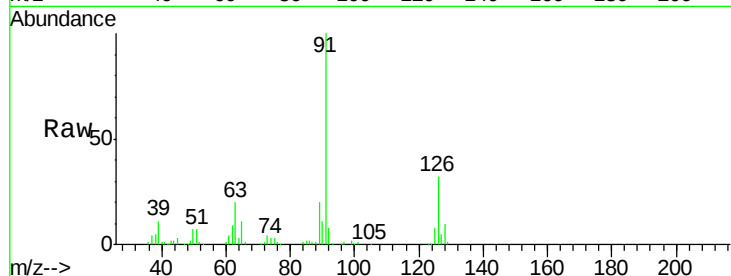
Ion Ratio Lower Upper

91 100

126 32.1 14.5 43.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.450 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057746.D

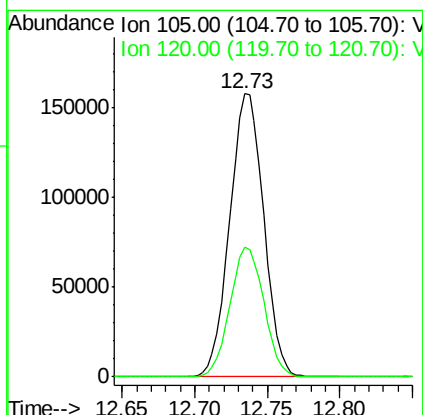
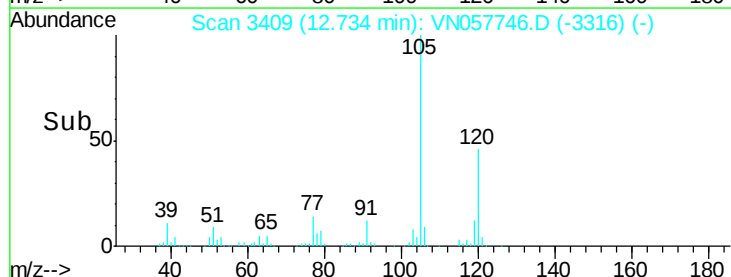
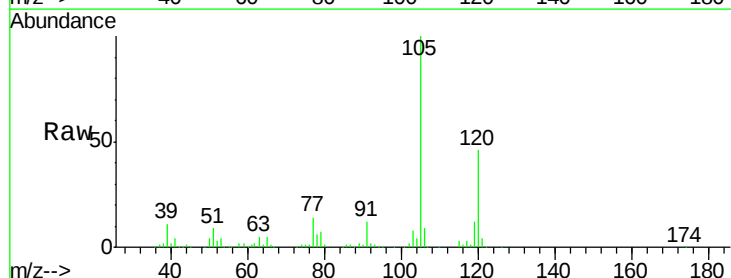
Acq: 7 Sep 2019 12:32

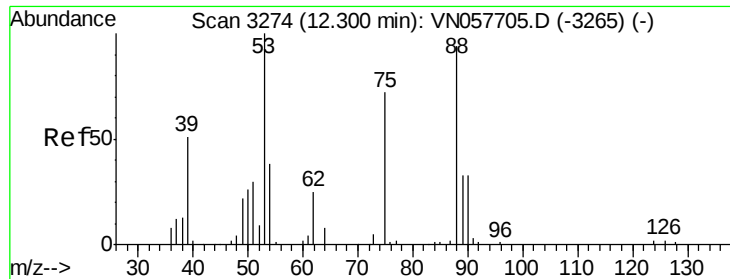
Tgt Ion: 105 Resp: 256227

Ion Ratio Lower Upper

105 100

120 45.8 22.3 66.8





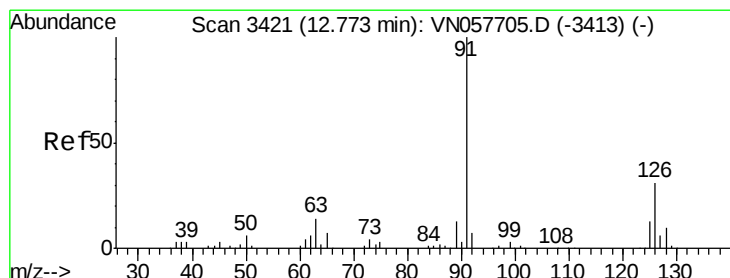
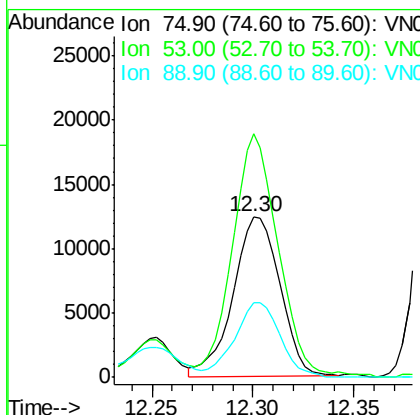
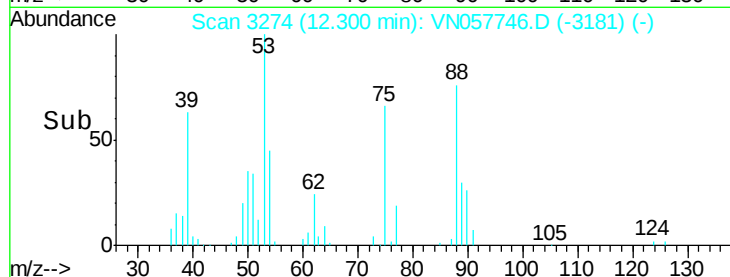
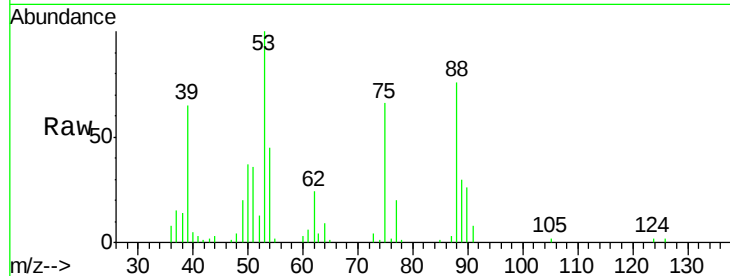
#81
trans-1,4-Dichloro-2-butene
Concen: 15.499 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	144.2	107.0	160.6
89	46.1	36.5	54.7

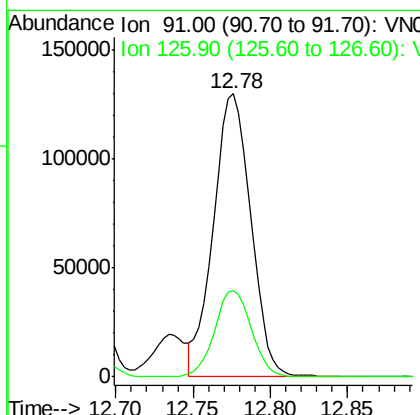
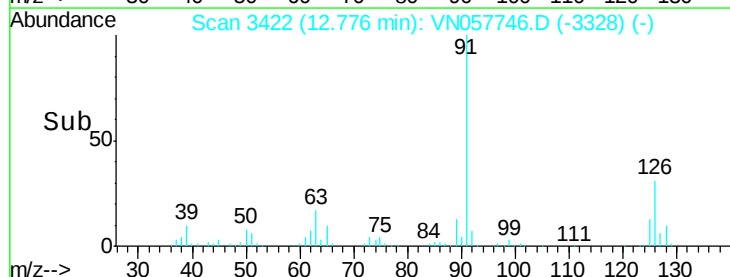
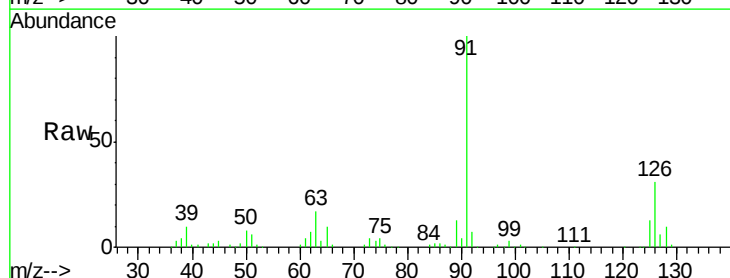
Manual Integrations
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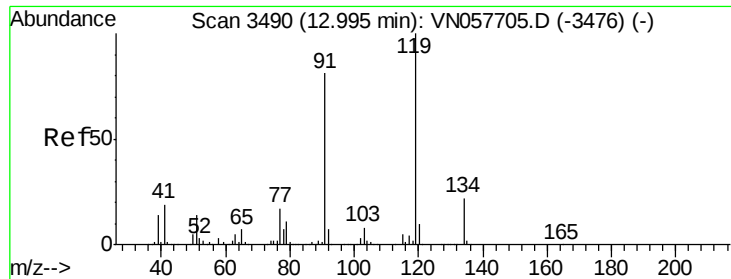
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.847 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.4	43.4





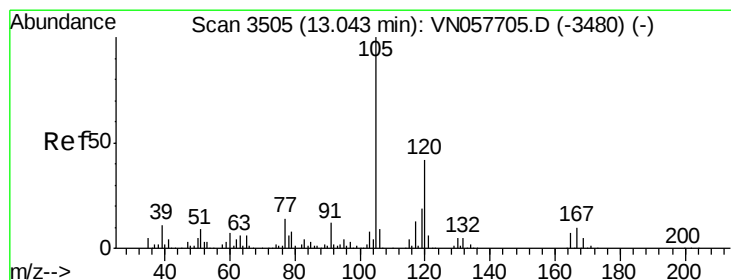
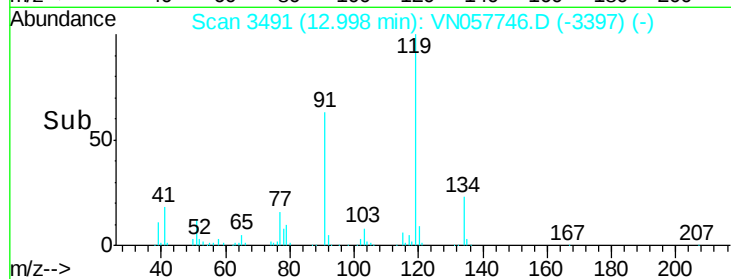
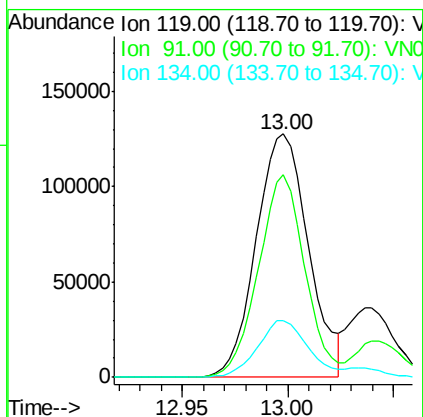
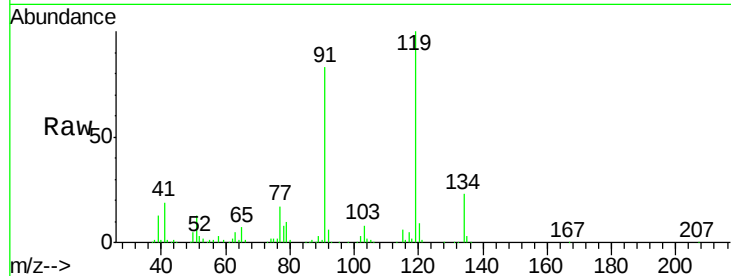
#83
tert-Butylbenzene
Concen: 19.845 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.0	39.6	118.8
134	22.8	11.3	33.8

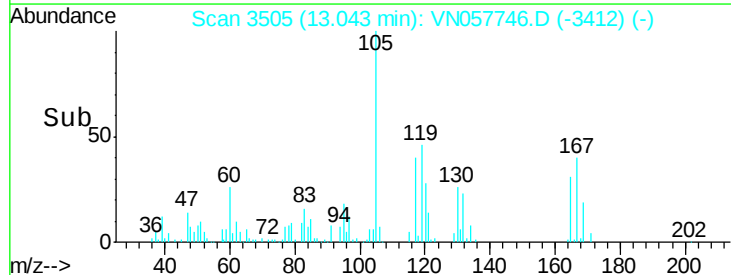
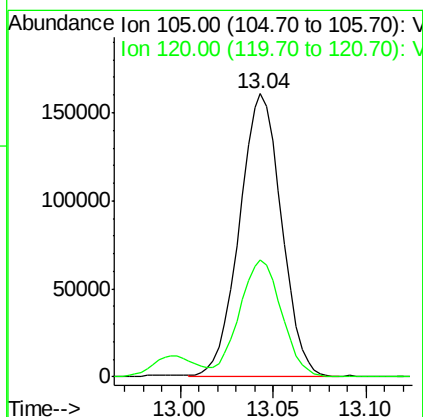
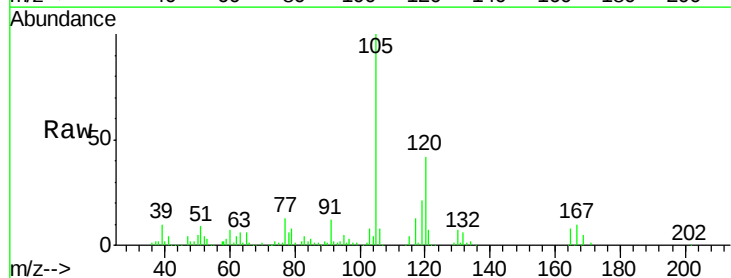
Manual Integrations
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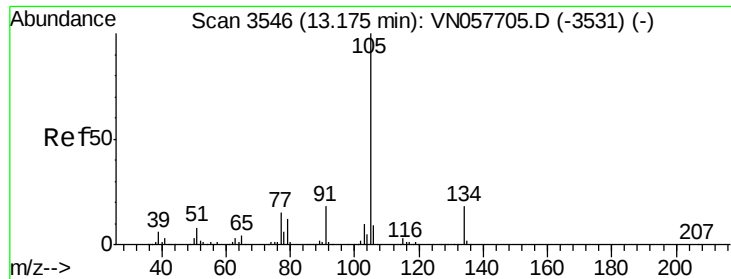
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#84
1,2,4-Trimethylbenzene
Concen: 19.297 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057746.D
Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.9	20.8	62.5





#85

sec-Butylbenzene

Concen: 19.022 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion:105 Resp: 291044

Ion Ratio Lower Upper

105 100

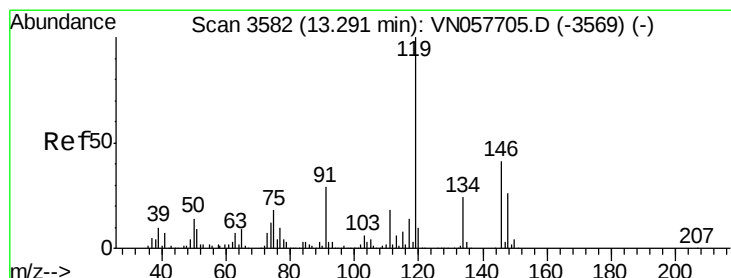
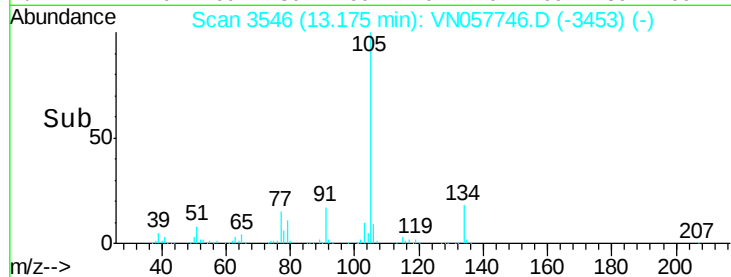
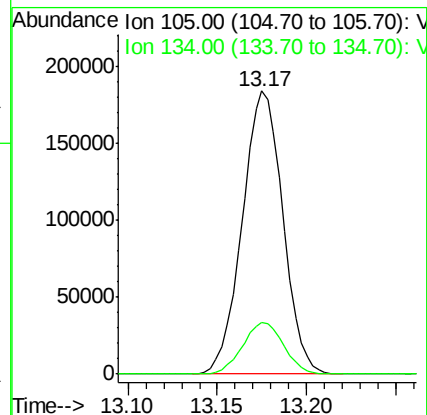
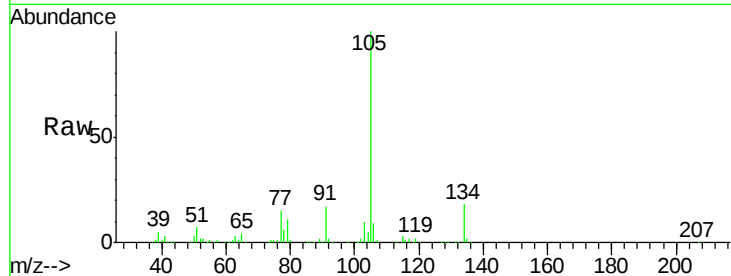
134 18.4 8.8 26.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.665 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

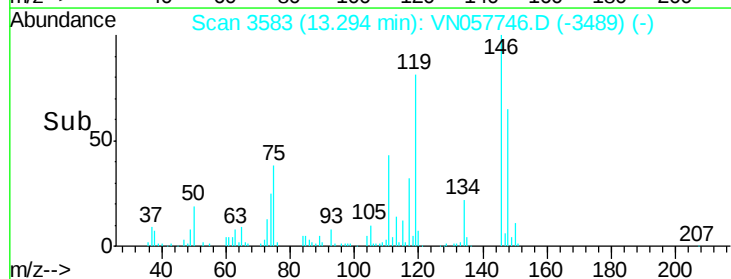
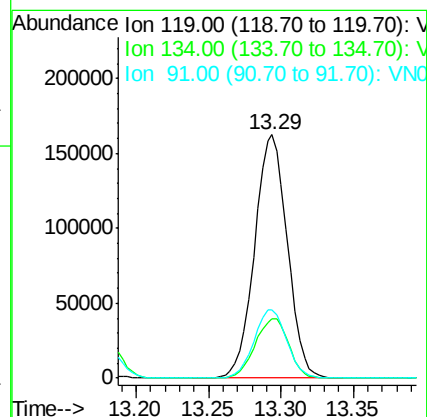
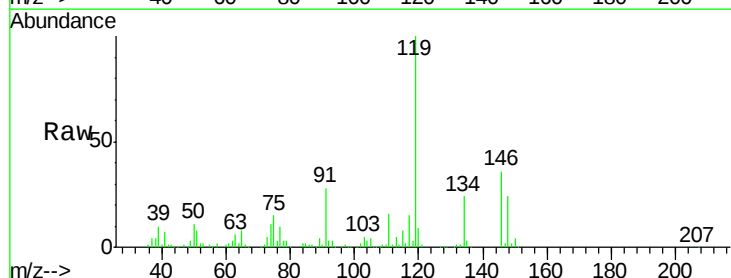
Tgt Ion:119 Resp: 254987

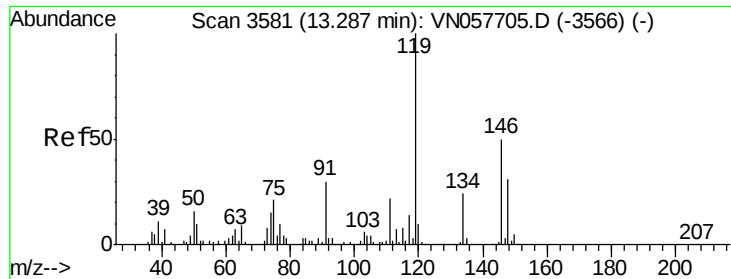
Ion Ratio Lower Upper

119 100

134 25.2 12.4 37.0

91 28.1 14.8 44.3





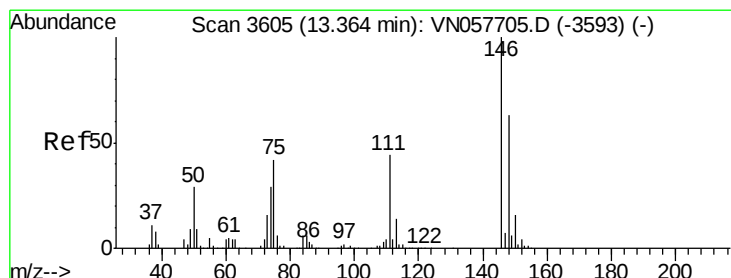
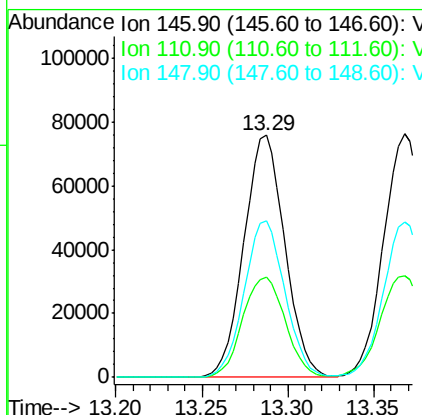
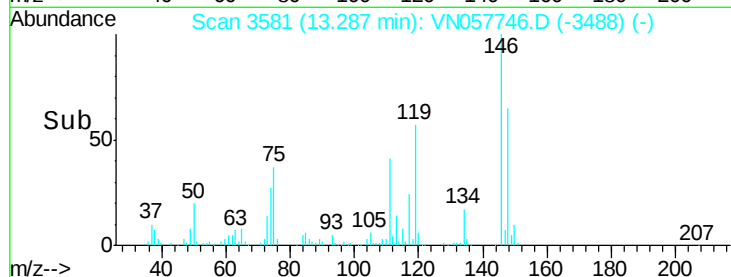
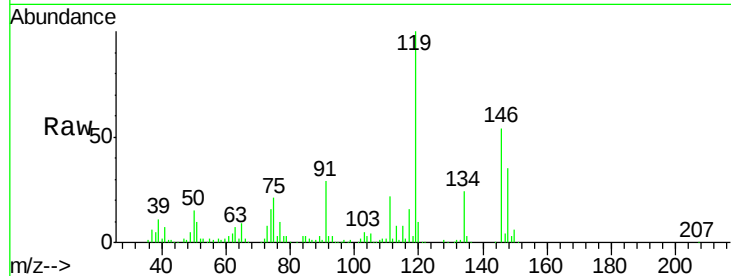
#87
 1,3-Dichlorobenzene
 Concen: 19.920 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	125461		
111	43.1	22.3	66.8	
148	64.4	31.5	94.5	

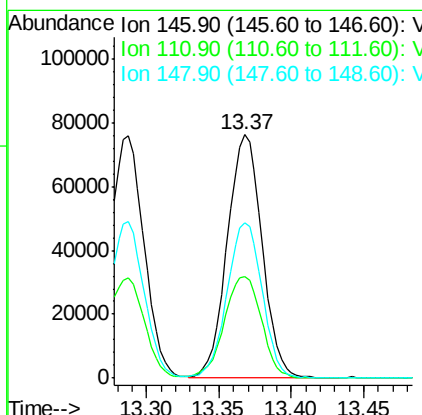
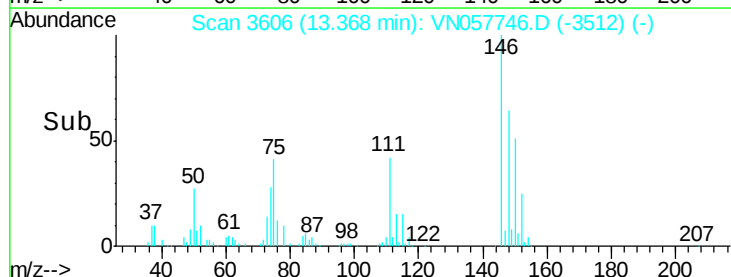
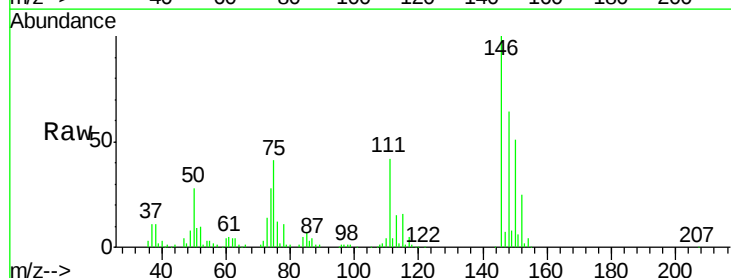
Manual Integrations
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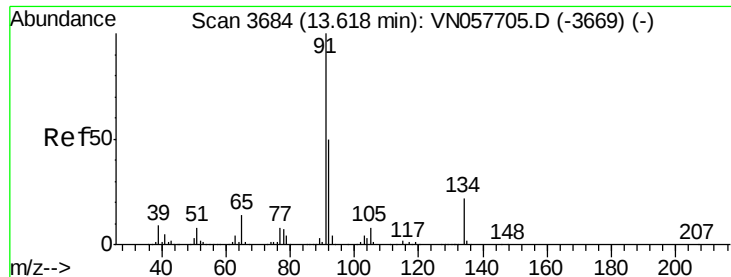
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#88
 1,4-Dichlorobenzene
 Concen: 20.099 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126638		
111	44.9	22.3	66.9	
148	64.2	31.9	95.7	





#89

n-Butylbenzene

Concen: 18.634 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

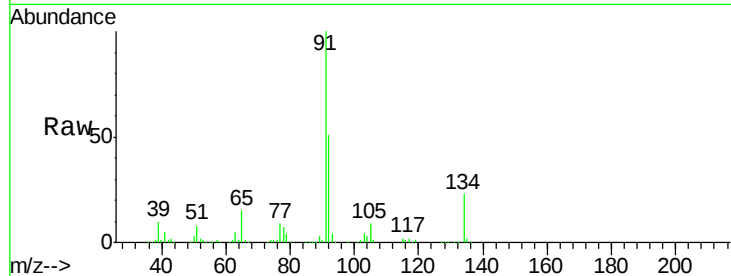
ClientSampleId :

VN0907WBS01

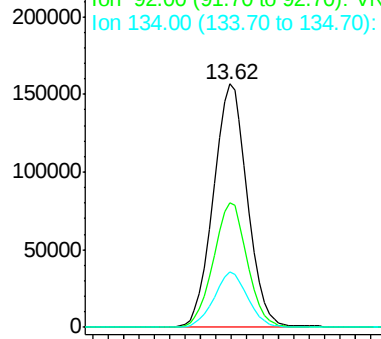
Tot Ion:	91	Resp:	238958
Ion Ratio	Lower	Upper	
91	100		
92	51.2	25.6	76.8
134	22.4	11.2	33.5

Manual Integrations
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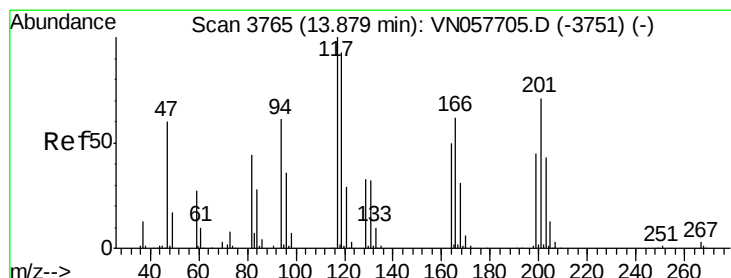
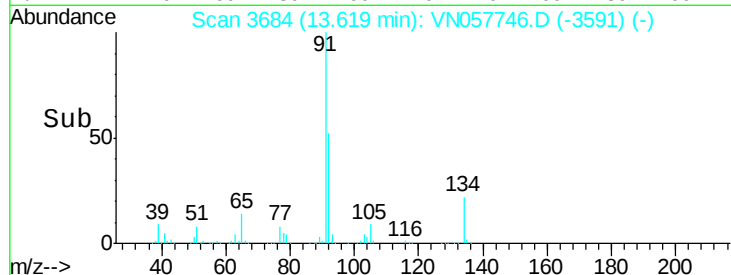
MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VN057705.D (-3669) (-)



Time-->



#90

Hexachloroethane

Concen: 19.051 ug/l

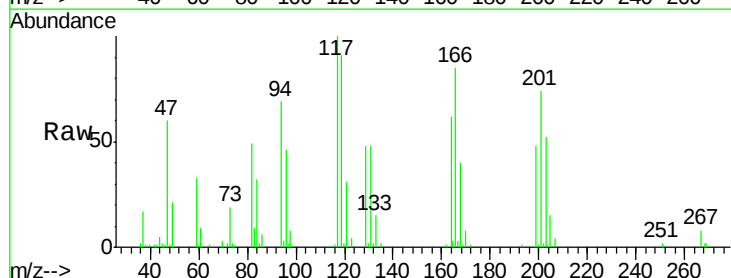
RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

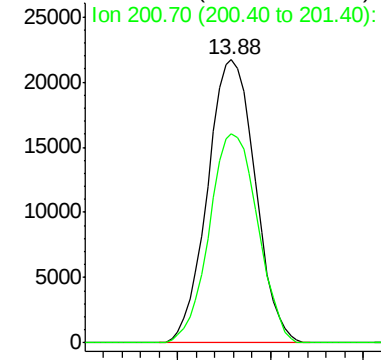
Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

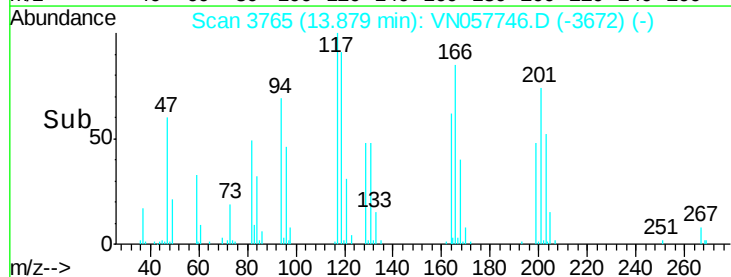
Tgt Ion:	117	Resp:	38706
Ion Ratio	Lower	Upper	
117	100		
201	74.9	36.4	109.2

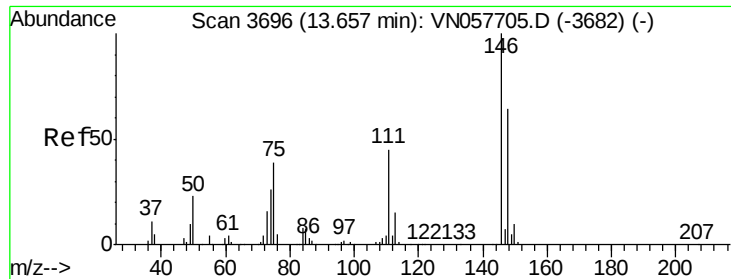


Abundance Ion 116.80 (116.50 to 117.50): VN057705.D (-3751) (-)



Time-->





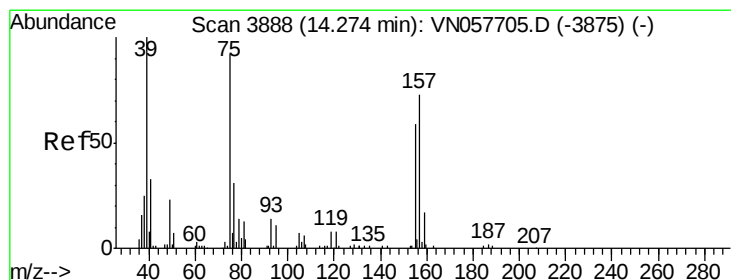
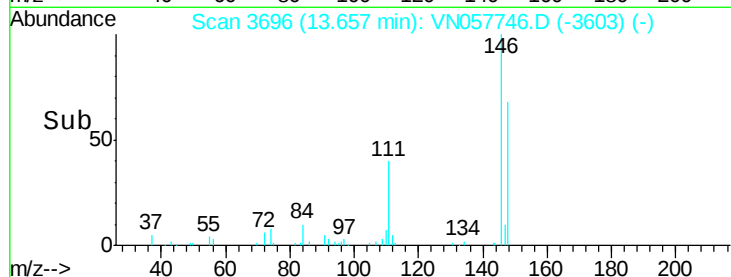
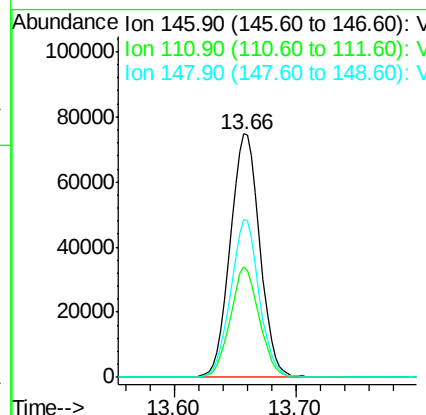
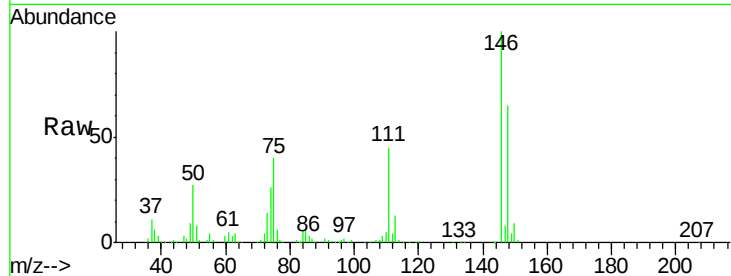
#91
 1,2-Dichlorobenzene
 Concen: 20.475 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.8	68.3
148	62.6	31.6	95.0

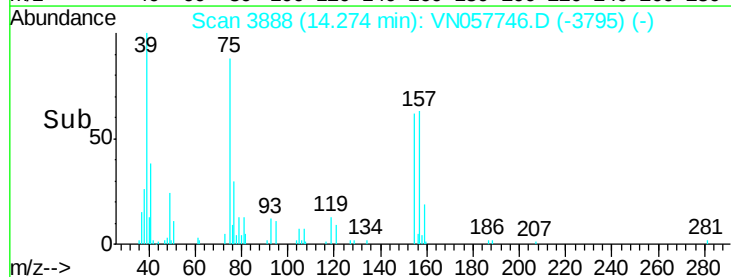
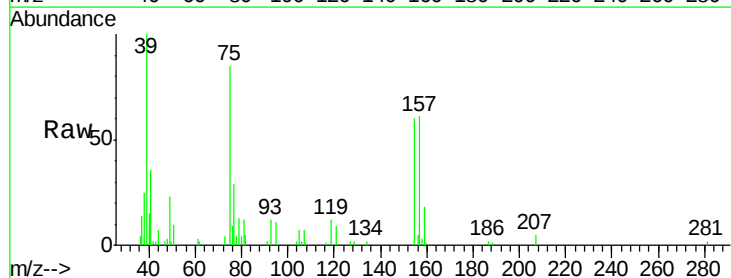
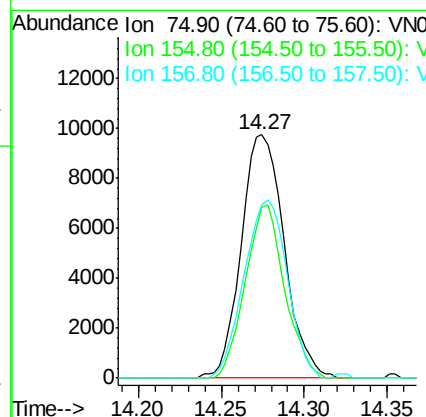
Manual Integrations
 APPROVED

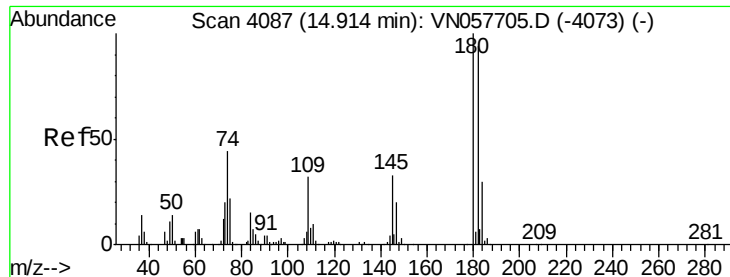
MMDadoda
 9/10/2019 3:03:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.224 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.8	30.1	90.5
157	73.4	38.1	114.5





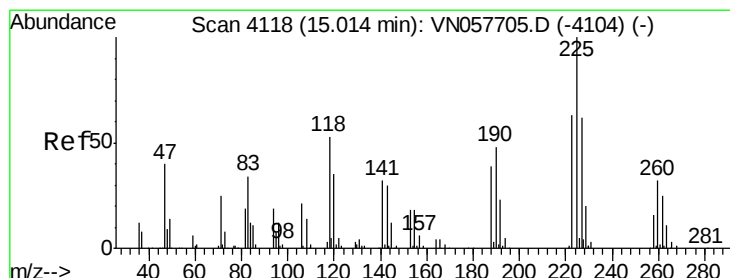
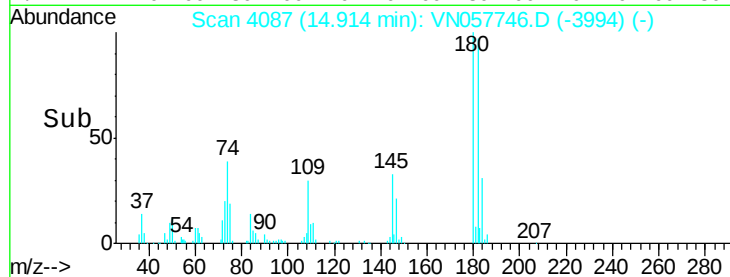
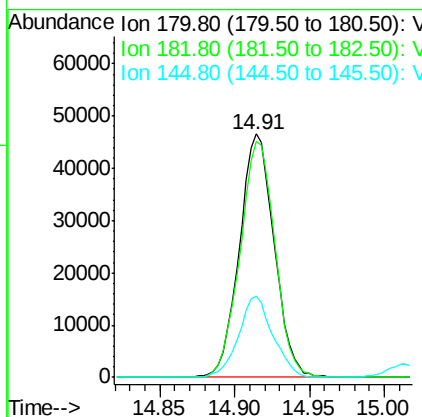
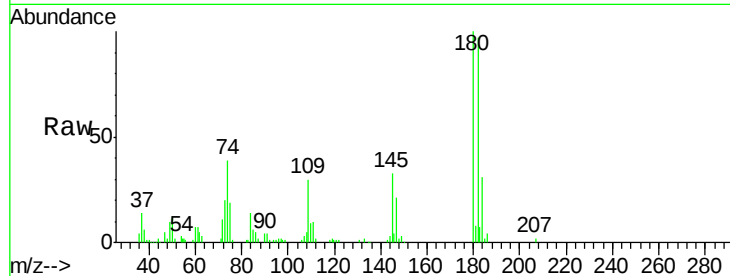
#93
 1,2,4-Trichlorobenzene
 Concen: 20.313 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.6	142.9
145	32.9	16.6	49.7

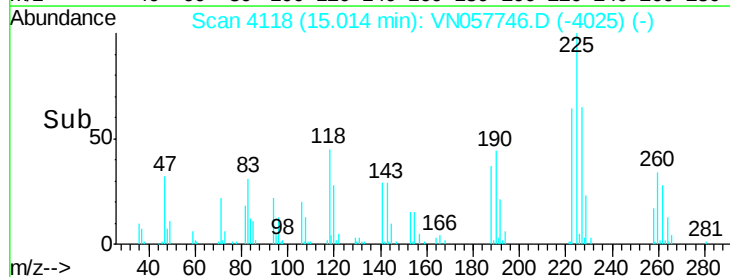
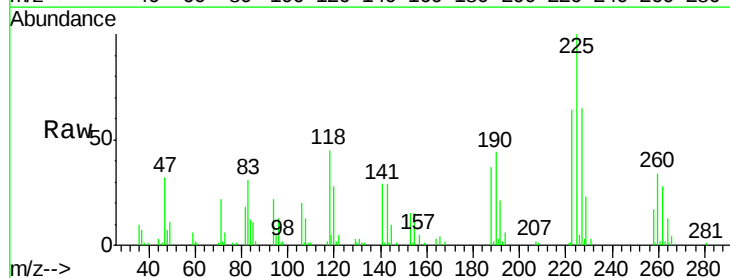
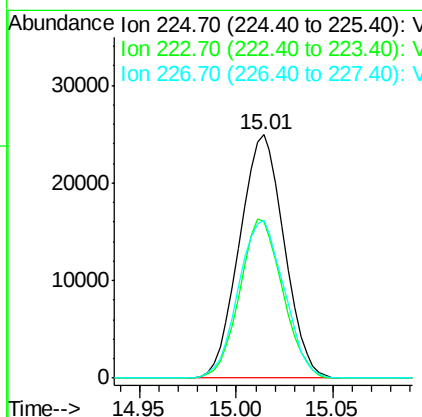
Manual Integrations
 APPROVED

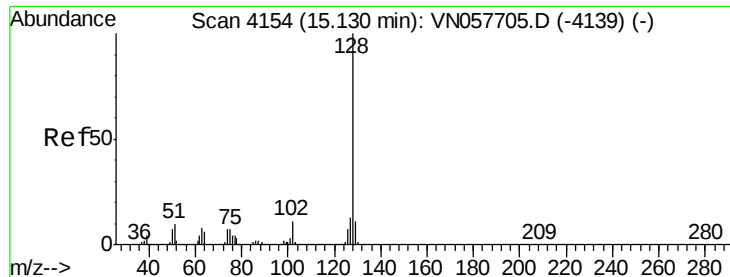
MMDadoda
 9/10/2019 3:03:12 PM



#94
 Hexachlorobutadiene
 Concen: 22.174 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057746.D
 Acq: 7 Sep 2019 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	95.0
227	66.0	31.7	95.1





#95

Naphthalene

Concen: 19.400 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Instrument :

MSVOA_N

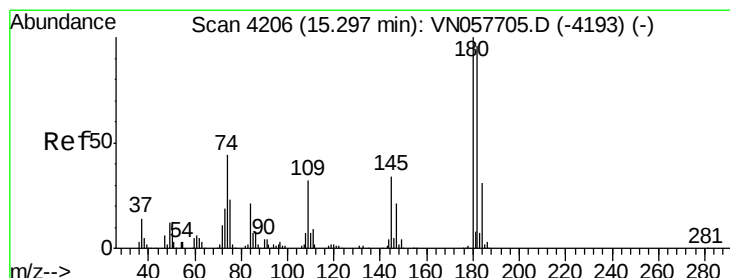
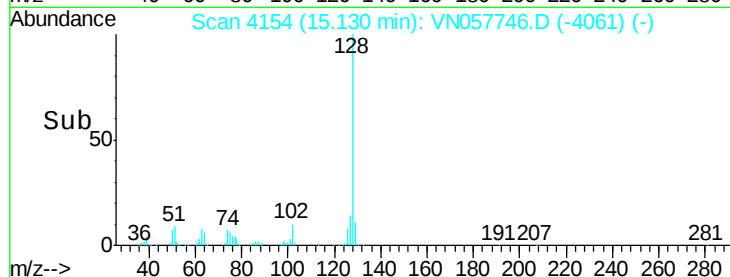
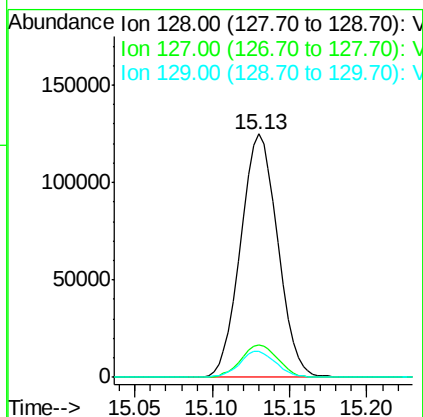
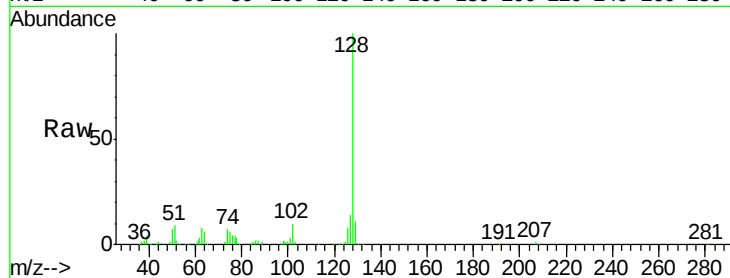
ClientSampleId :

VN0907WBS01

Tot Ion:	128	Resp:	208787
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	10.6	8.4	12.6

Manual Integrations
APPROVED

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9/10/2019 3:03:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.545 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057746.D

Acq: 7 Sep 2019 12:32

Tgt Ion:	180	Resp:	73057
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.0	141.2
145	34.7	17.5	52.6

