

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057785.D
 Acq On : 8 Sep 2019 3:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:02:40 PM

Quant Time: Sep 08 07:34:30 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	198890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	314579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	297697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	178814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	224348	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
35) Dibromofluoromethane	7.58	113	148095	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	10.09	98	544462	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.40	95	216488	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	142415	45.090	ug/l	97
3) Chloromethane	2.03	50	135889	36.083	ug/l	97
4) Vinyl Chloride	2.16	62	122200	44.675	ug/l	96
5) Bromomethane	2.54	94	64245	51.141	ug/l	96
6) Chloroethane	2.68	64	71114	44.038	ug/l #	89
7) Trichlorofluoromethane	2.99	101	184437	42.016	ug/l	96
8) Diethyl Ether	3.39	74	79852	45.525	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	123721	45.160	ug/l	95
10) Methyl Iodide	3.93	142	152256	56.092	ug/l	99
11) Tert butyl alcohol	4.77	59	121180	220.436	ug/l	97
12) 1,1-Dichloroethene	3.72	96	115235	46.750	ug/l	94
13) Acrolein	3.59	56	58439	223.530	ug/l	99
14) Allyl chloride	4.30	41	237169	42.105	ug/l	98
15) Acrylonitrile	4.96	53	344749	243.926	ug/l	97
16) Acetone	3.80	43	334441	224.615	ug/l	98
17) Carbon Disulfide	4.03	76	232918	41.707	ug/l	99
18) Methyl Acetate	4.30	43	186137	45.971	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	457430	44.203	ug/l	97
20) Methylene Chloride	4.53	84	140183	43.543	ug/l	94
21) trans-1,2-Dichloroethene	5.02	96	123231	47.511	ug/l	91
22) Diisopropyl ether	5.93	45	553363	46.440	ug/l	98
23) Vinyl Acetate	5.87	43	2253272	233.632	ug/l	100
24) 1,1-Dichloroethane	5.82	63	277031	45.344	ug/l	99
25) 2-Butanone	6.82	43	508998	238.709	ug/l	98
26) 2,2-Dichloropropane	6.80	77	152679	29.955	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	155909	47.889	ug/l	89
28) Bromochloromethane	7.18	49	156442	48.939	ug/l	96
29) Tetrahydrofuran	7.19	42	324276	235.818	ug/l	99
30) Chloroform	7.36	83	297726	46.766	ug/l	99
31) Cyclohexane	7.64	56	230029	42.358	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	257554	48.569	ug/l	96
36) 1,1-Dichloropropene	7.78	75	196786	47.022	ug/l	98
37) Ethyl Acetate	6.91	43	210937	50.770	ug/l	98
38) Carbon Tetrachloride	7.76	117	202673	50.577	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	206029	46.544	ug/l	99
40) Benzene	8.03	78	576227	48.679	ug/l	100
41) Methacrylonitrile	7.16	41	99650m	49.066	ug/l	
42) 1,2-Dichloroethane	8.11	62	263602	47.509	ug/l	99
43) Isopropyl Acetate	8.15	43	386109	48.416	ug/l	99
44) Trichloroethene	8.83	130	140299	52.736	ug/l	97
45) 1,2-Dichloropropane	9.11	63	160992	48.629	ug/l	99
46) Dibromomethane	9.20	93	109345	51.490	ug/l	93
47) Bromodichloromethane	9.40	83	226230	50.127	ug/l	98
48) Methyl methacrylate	9.19	41	194628	47.454	ug/l	98
49) 1,4-Dioxane	9.19	88	48767	1021.927	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1153965	260.556	ug/l	99
52) Toluene	10.15	92	357777	49.868	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	207612	45.853	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	229324	46.879	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	148258	51.349	ug/l	97
56) Ethyl methacrylate	10.43	69	234985	50.991	ug/l	96
57) 1,3-Dichloropropane	10.71	76	255591	49.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	573034	245.094	ug/l	98
59) 2-Hexanone	10.75	43	814730	260.876	ug/l	100
60) Dibromochloromethane	10.90	129	150289	48.337	ug/l	99
61) 1,2-Dibromoethane	11.00	107	145815	52.607	ug/l	100
64) Tetrachloroethene	10.63	164	125595	54.114	ug/l	97
65) Chlorobenzene	11.43	112	387550	49.906	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	145033	53.674	ug/l	97
67) Ethyl Benzene	11.51	91	750155	50.067	ug/l	99
68) m/p-Xylenes	11.62	106	521075	100.971	ug/l	98
69) o-Xylene	11.95	106	254472	49.799	ug/l	100
70) Styrene	11.97	104	447271	50.586	ug/l	97
71) Bromoform	12.13	173	97878	48.574	ug/l #	97
73) Isopropylbenzene	12.25	105	730150	46.186	ug/l	99
74) N-amyl acetate	12.07	43	352446	44.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	217697	45.923	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	194346m	47.329	ug/l	
77) Bromobenzene	12.53	156	173684	50.571	ug/l	87
78) n-propylbenzene	12.59	91	867078	46.165	ug/l	99
79) 2-Chlorotoluene	12.68	91	513533	44.912	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	630869	46.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46966	35.571	ug/l	95
82) 4-Chlorotoluene	12.78	91	534172	45.361	ug/l	98
83) tert-Butylbenzene	13.00	119	534341	47.199	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	633723	47.640	ug/l	100
85) sec-Butylbenzene	13.17	105	707377	45.354	ug/l	98
86) p-Isopropyltoluene	13.29	119	637599	48.236	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	315106	49.078	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	309504	48.188	ug/l	98
89) n-Butylbenzene	13.62	91	583120	44.607	ug/l	98
90) Hexachloroethane	13.88	117	96453	46.570	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	308423	48.791	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45825	49.068	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	199228	52.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	100975	54.780	ug/l	98
95) Naphthalene	15.13	128	533552	48.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	188089	51.888	ug/l	97

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

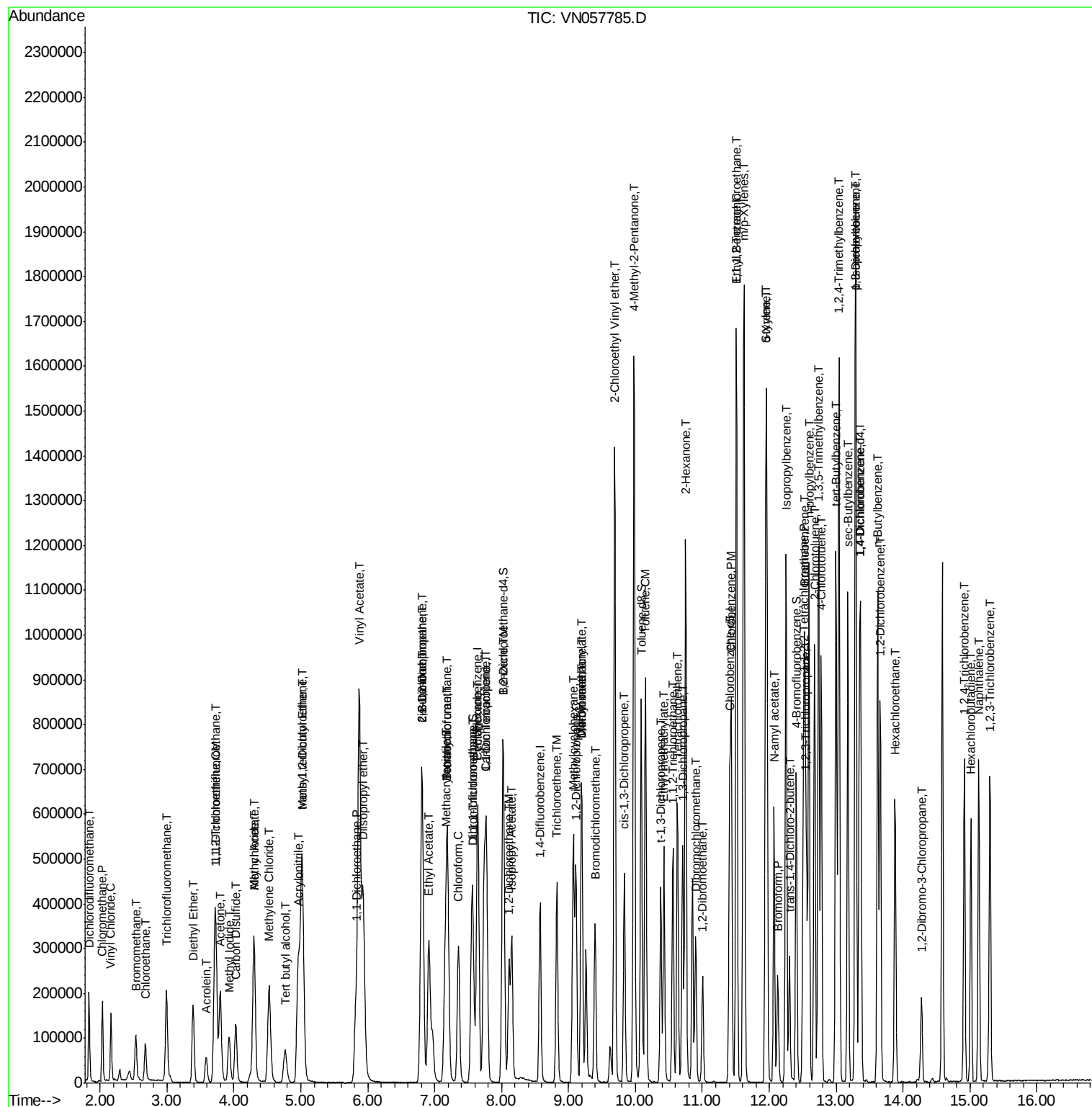
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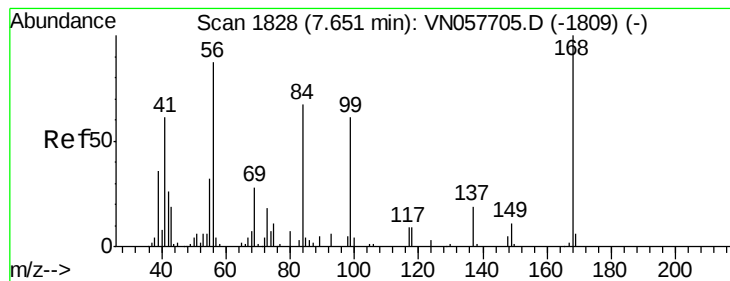
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 198890

Ion Ratio Lower Upper

168 100

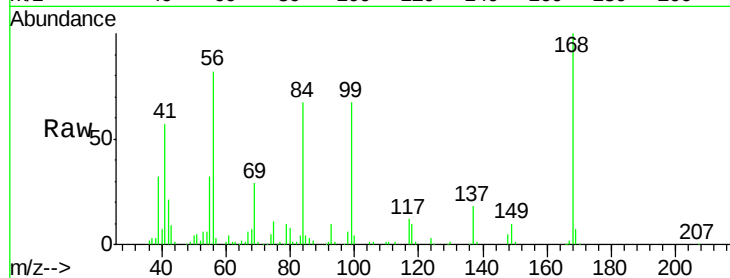
99 66.9 57.4 86.0

Manual Integrations

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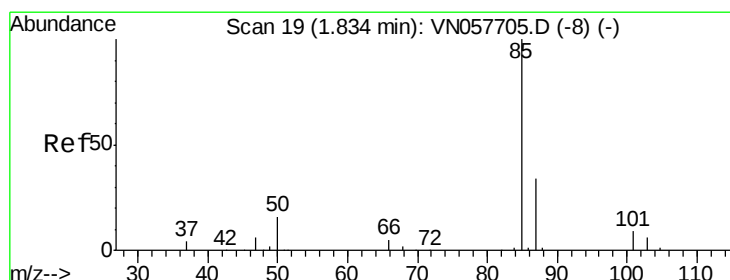
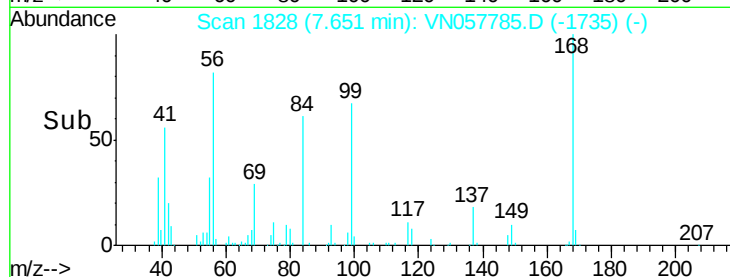
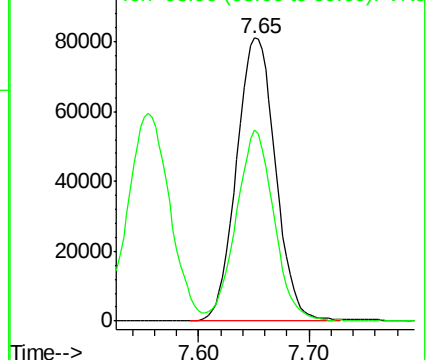
MMDadoda

9/10/2019 3:02:40 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.090 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057785.D

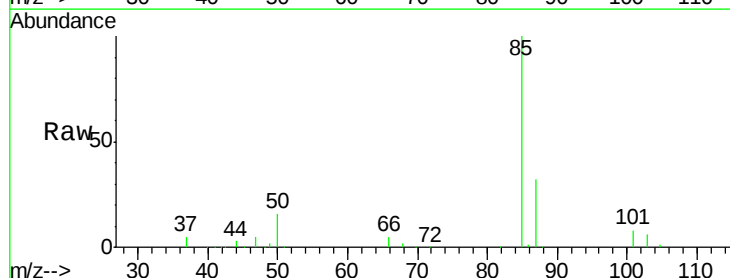
Acq: 8 Sep 2019 3:57

Tgt Ion: 85 Resp: 142415

Ion Ratio Lower Upper

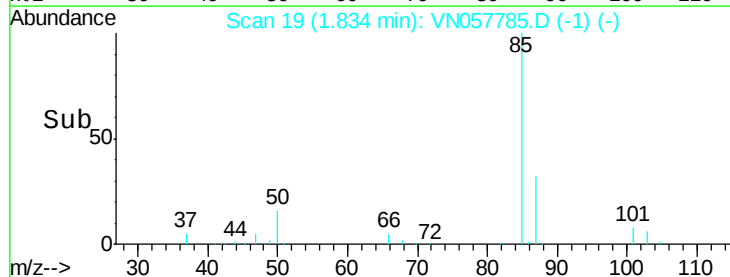
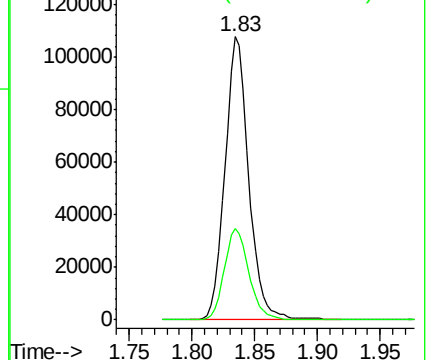
85 100

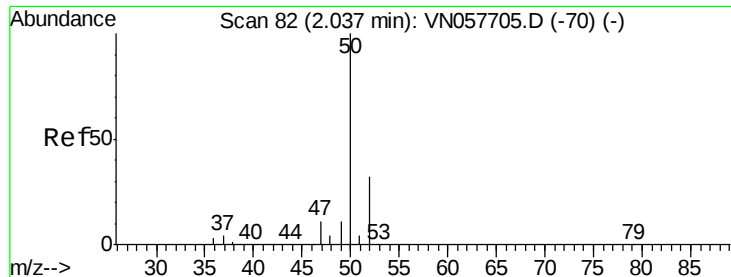
87 32.3 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 36.083 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 135889

Ion Ratio Lower Upper

50 100

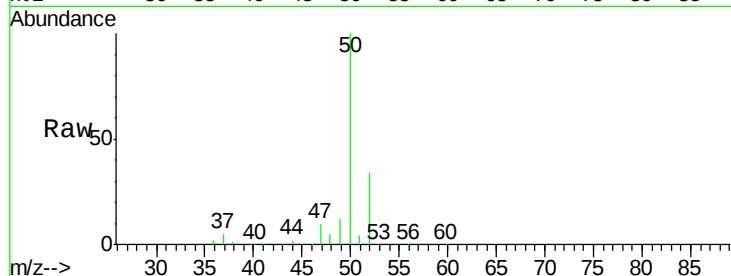
52 34.0 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

120000

100000

80000

60000

40000

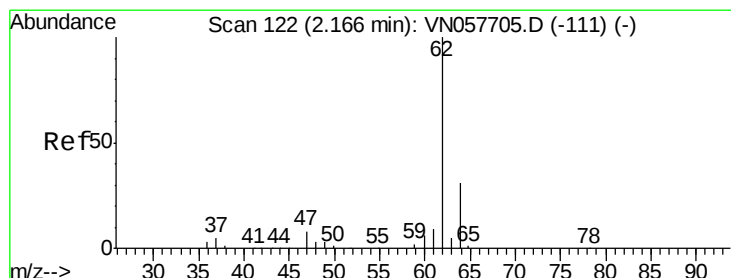
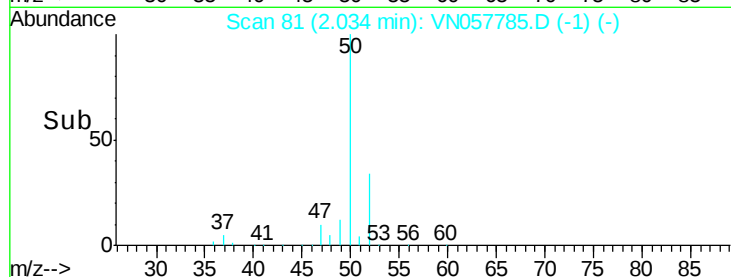
20000

0

2.03

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 44.675 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057785.D

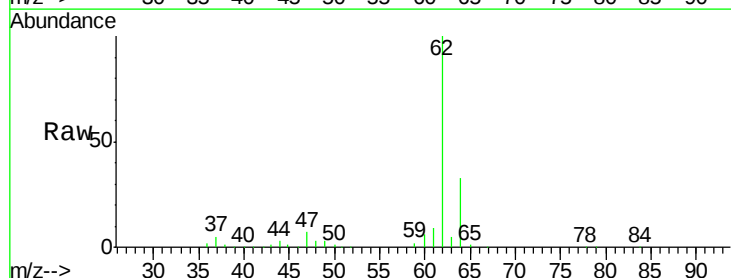
Acq: 8 Sep 2019 3:57

Tgt Ion: 62 Resp: 122200

Ion Ratio Lower Upper

62 100

64 33.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

100000

80000

60000

40000

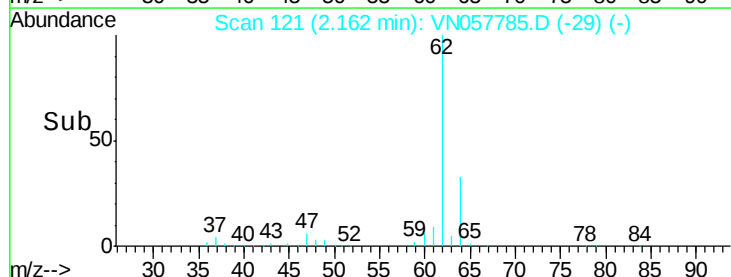
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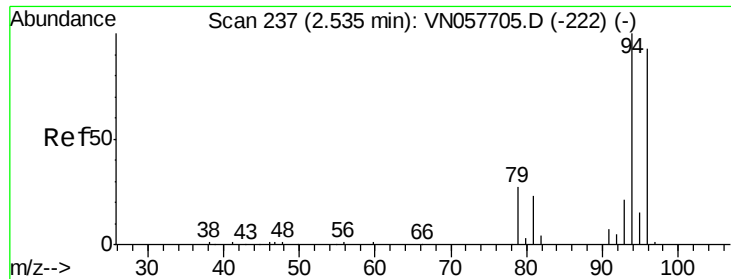
0

2.16

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 51.141 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

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Tot Ion: 94 Resp: 64245

Ion Ratio Lower Upper

94 100

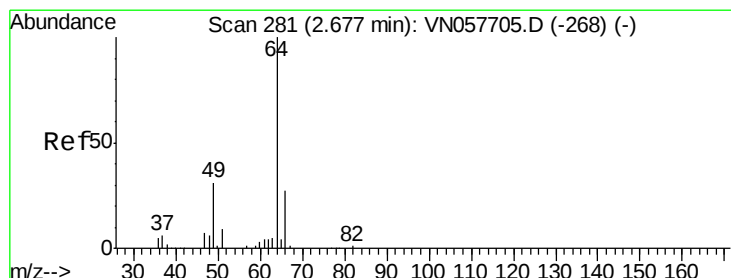
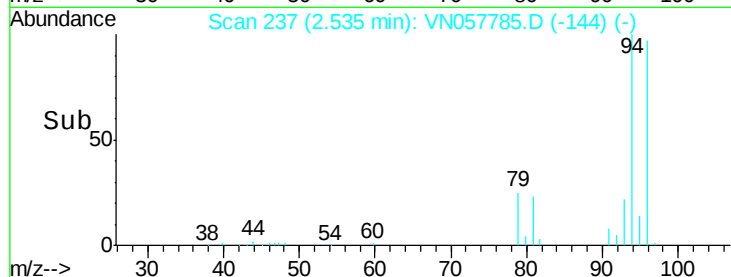
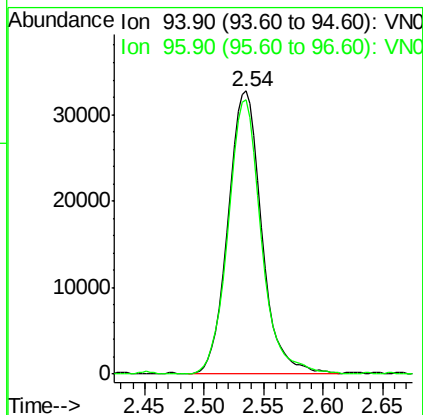
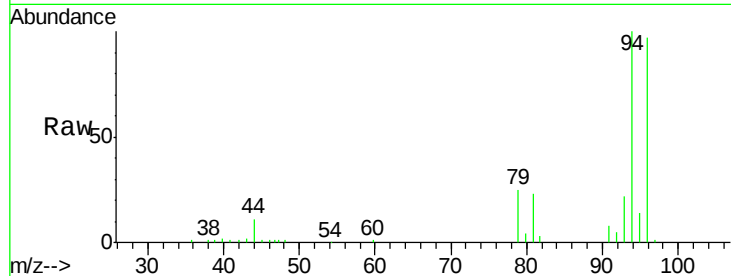
96 97.1 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 44.038 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057785.D

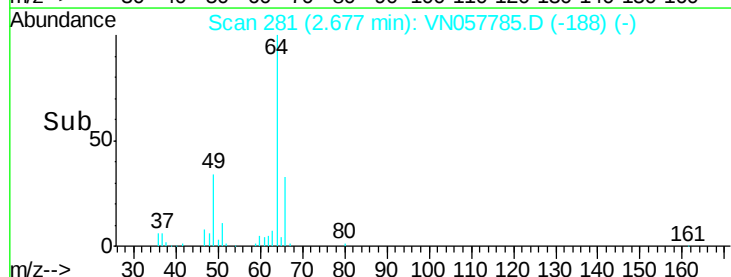
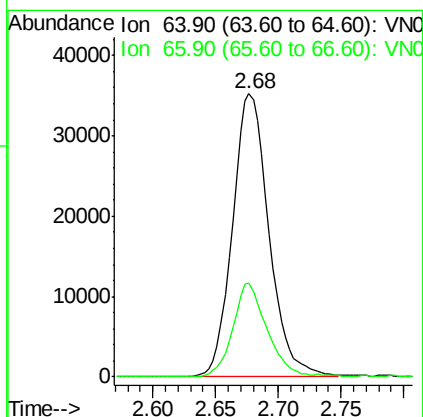
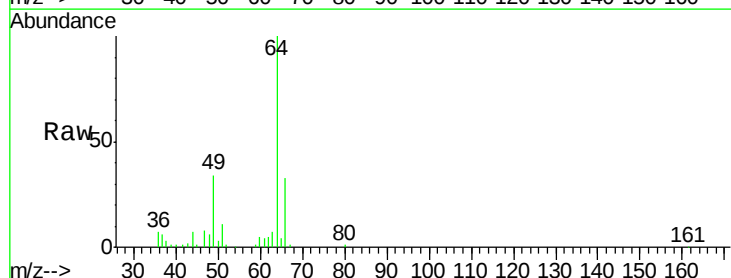
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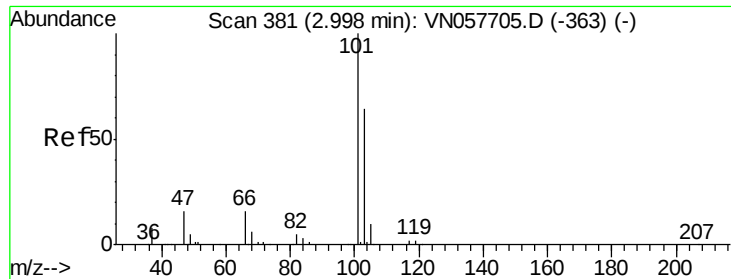
Tgt Ion: 64 Resp: 71114

Ion Ratio Lower Upper

64 100

66 33.3 22.0 33.0#





#7

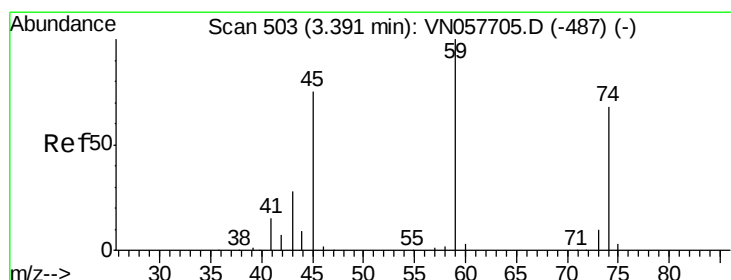
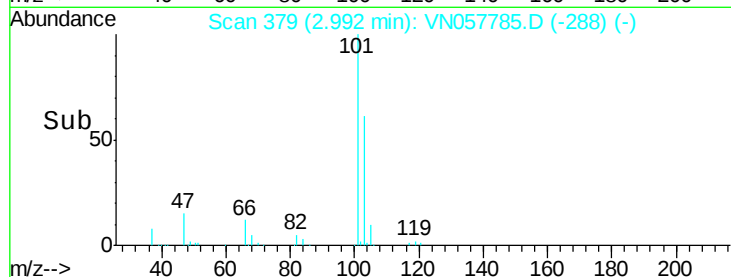
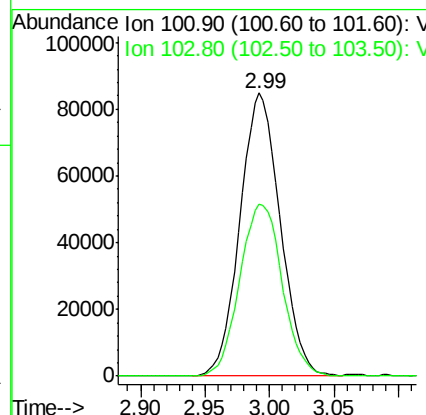
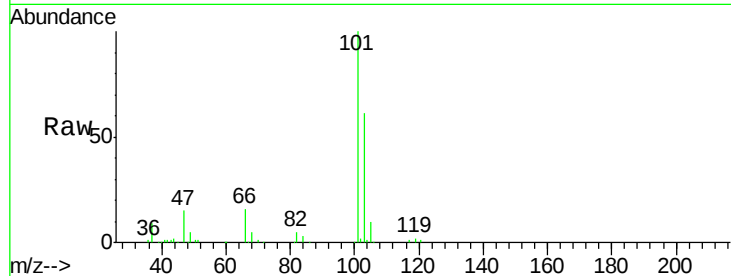
Trichlorofluoromethane
 Concen: 42.016 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	51.4	77.0

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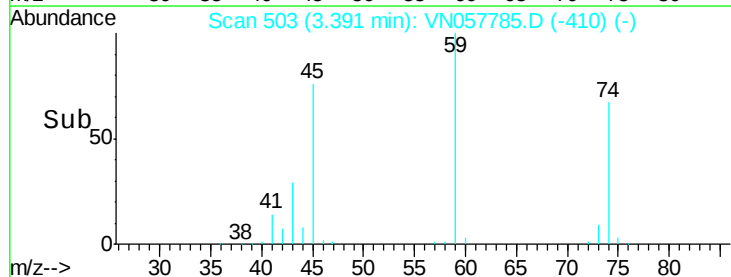
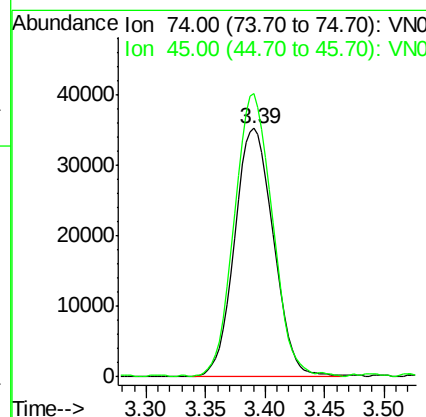
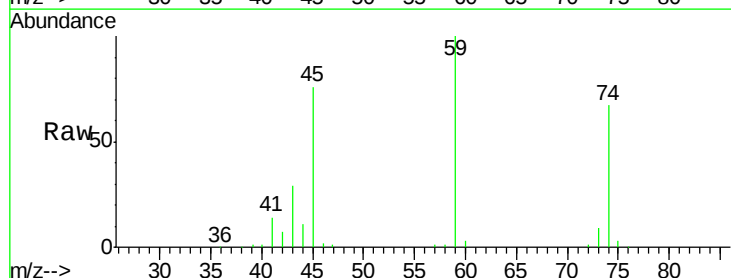
MMDadoda
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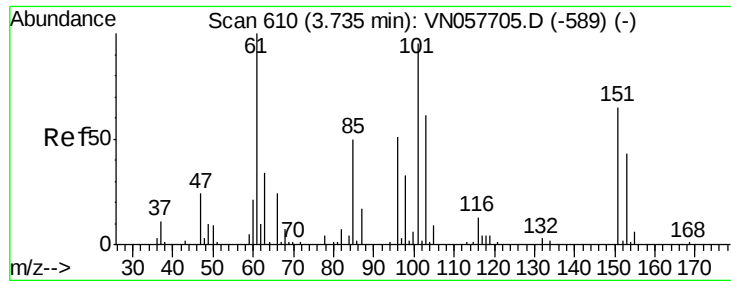


#8

Diethyl Ether
 Concen: 45.525 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.0	55.4	166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.160 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

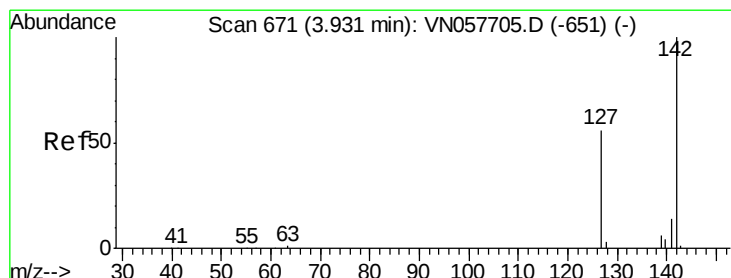
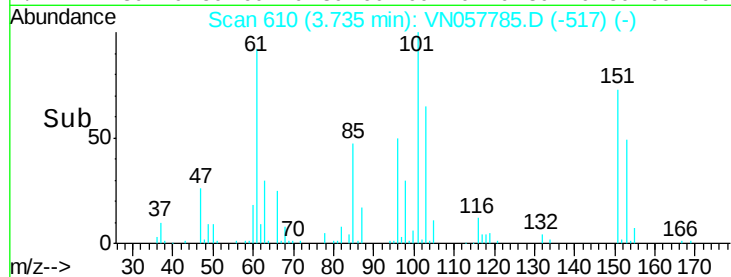
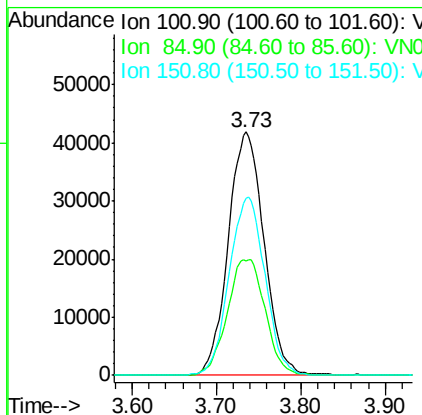
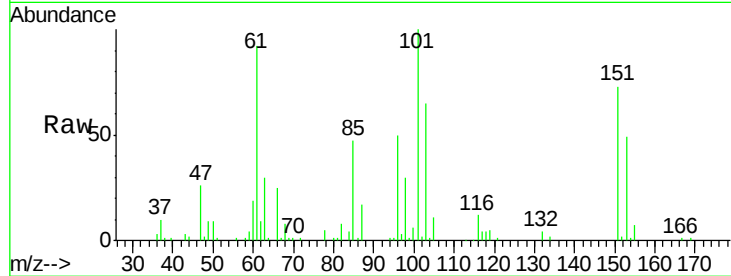
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	123721
Ion Ratio	Lower	Upper	
101	100		
85	50.1	42.8	64.2
151	73.3	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 56.092 ug/l

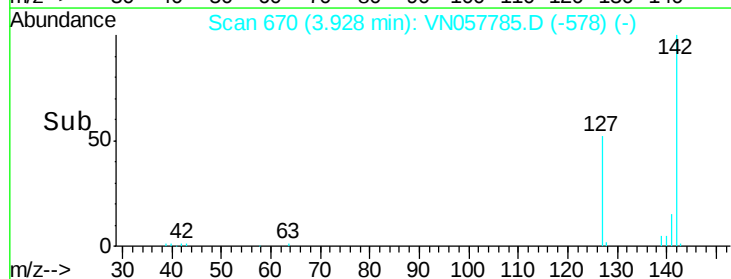
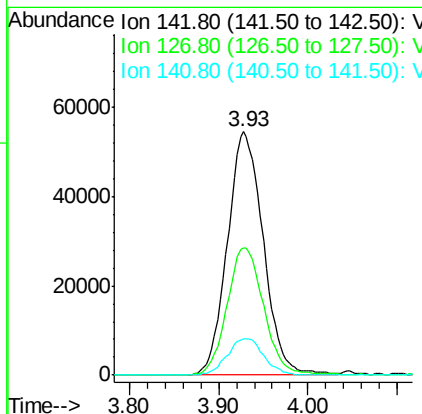
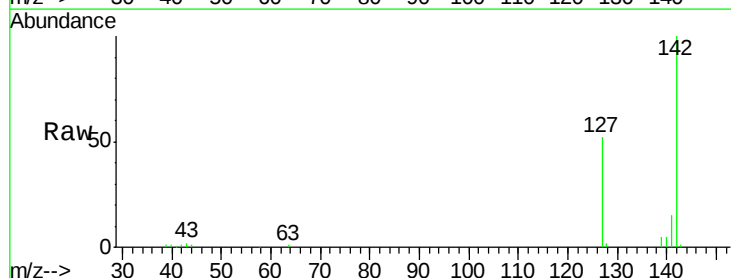
RT: 3.93 min Scan# 670

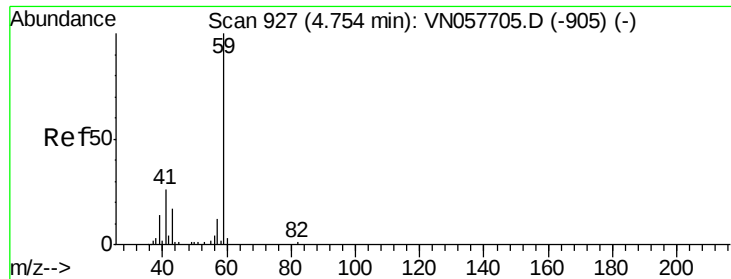
Delta R.T. -0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Tgt Ion:	142	Resp:	152256
Ion Ratio	Lower	Upper	
142	100		
127	53.0	42.1	63.1
141	15.2	11.0	16.4





#11

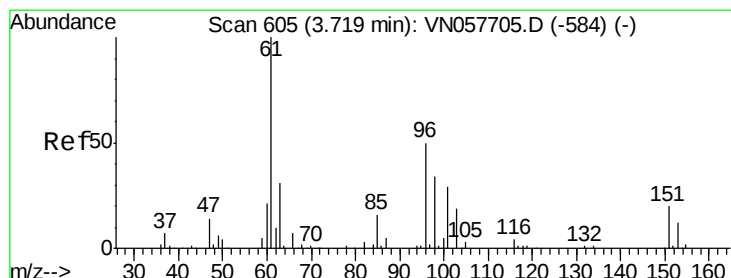
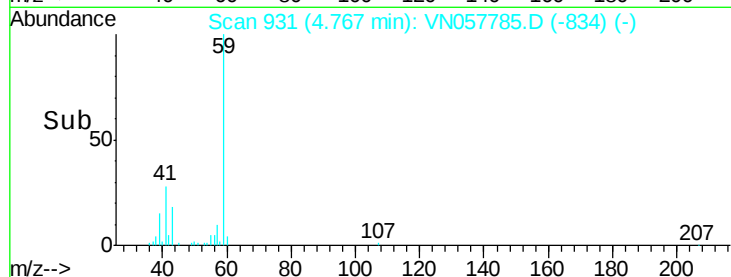
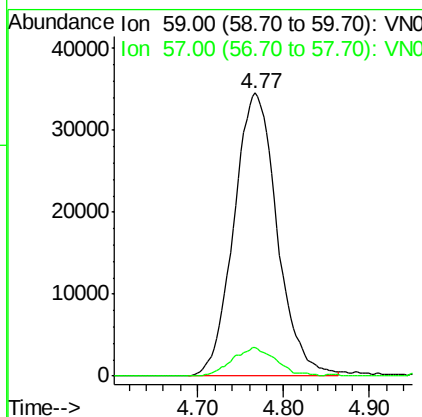
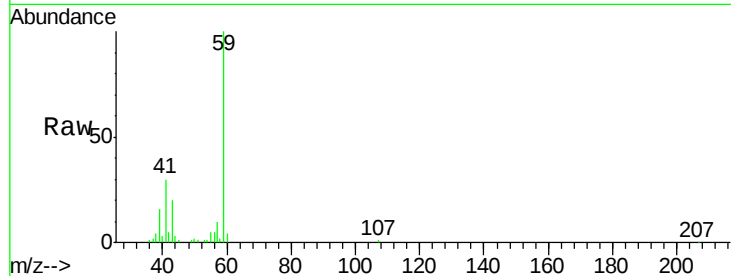
Tert butyl alcohol
Concen: 220.436 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	121180		
57	9.9		8.9	13.3

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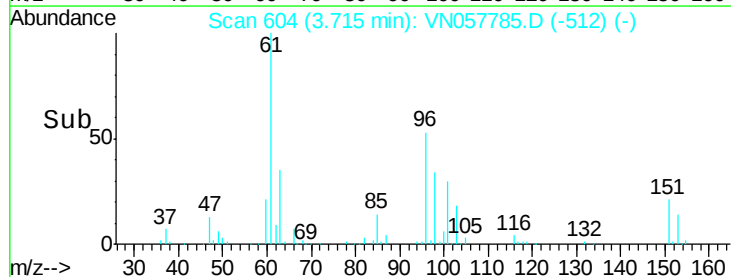
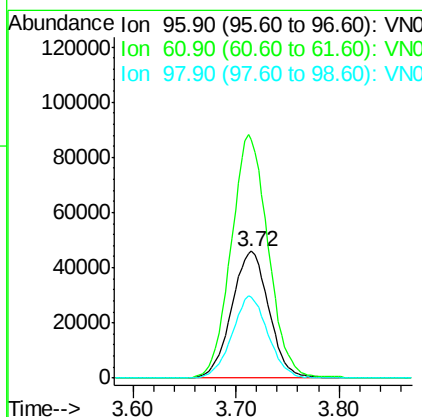
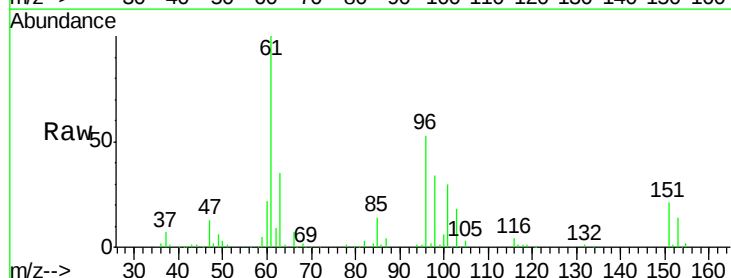
MMDadoda
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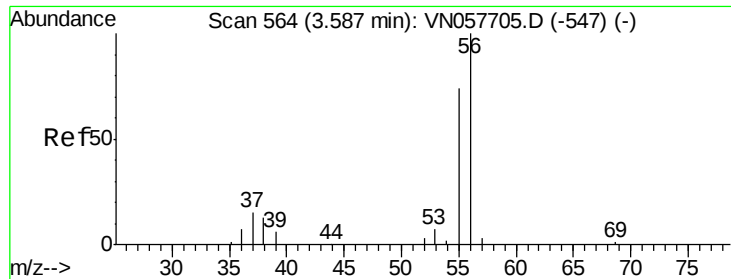


#12

1,1-Dichloroethene
Concen: 46.750 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	115235		
61	188.3		158.7	238.1
98	63.4		53.8	80.8





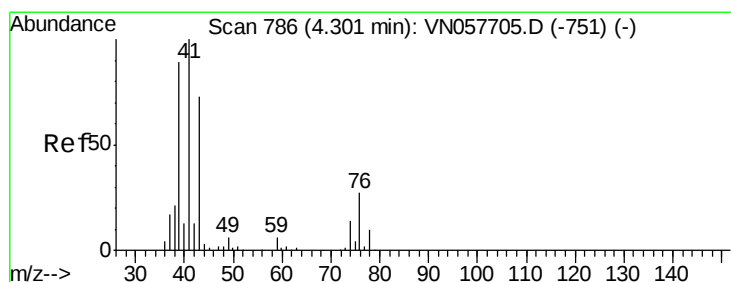
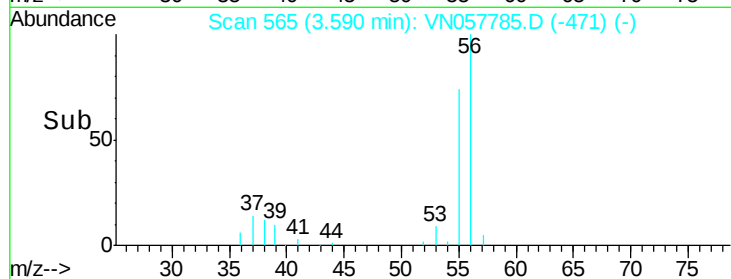
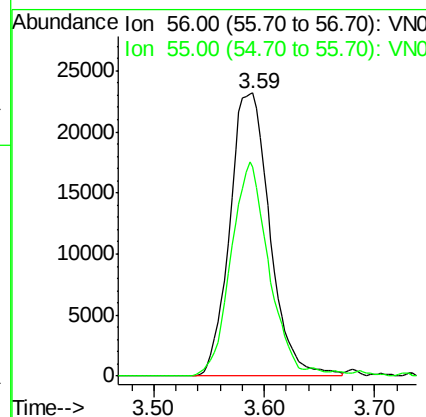
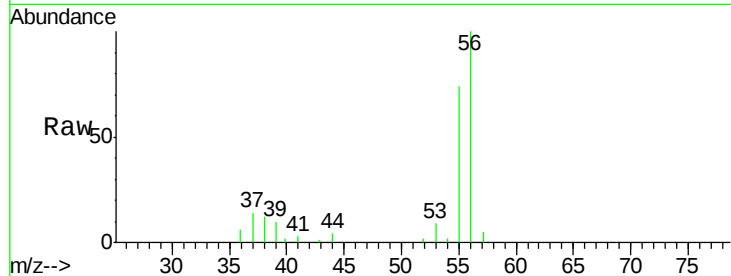
#13
Acrolein
Concen: 223.530 ug/l
RT: 3.59 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.4	55.4	83.0	

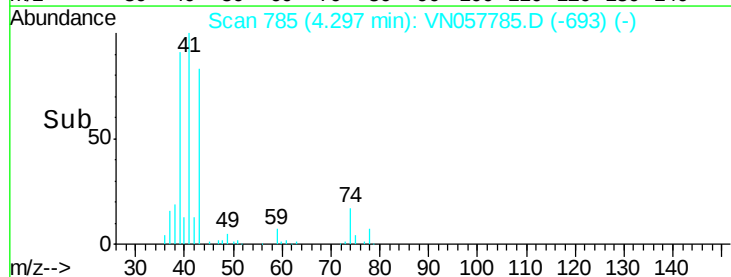
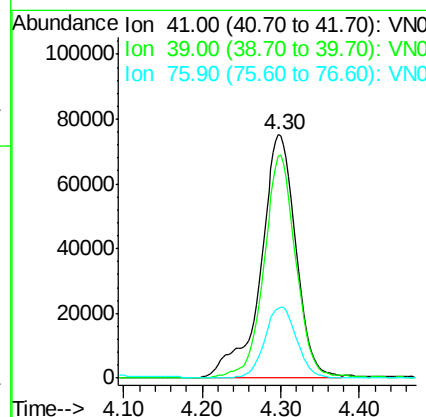
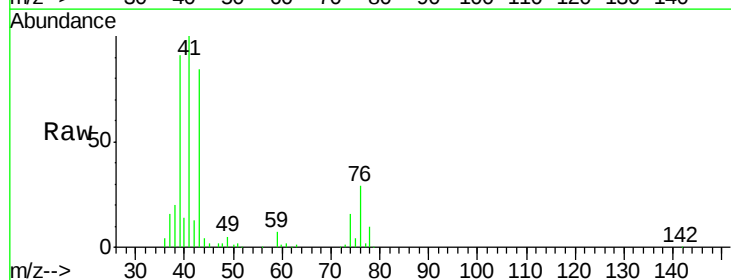
Manual Integrations
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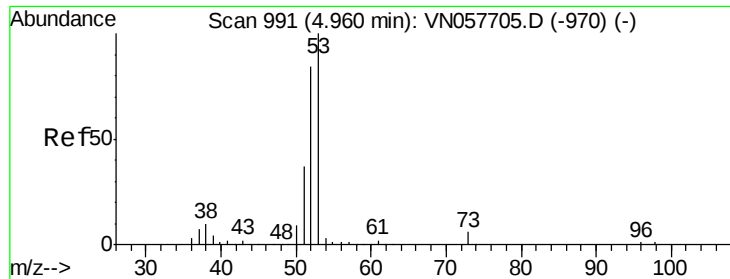
MMDadoda
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#14
Allyl chloride
Concen: 42.105 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	82.6	67.5	101.3	
76	26.6	21.4	32.2	





#15

Acrylonitrile

Concen: 243.926 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

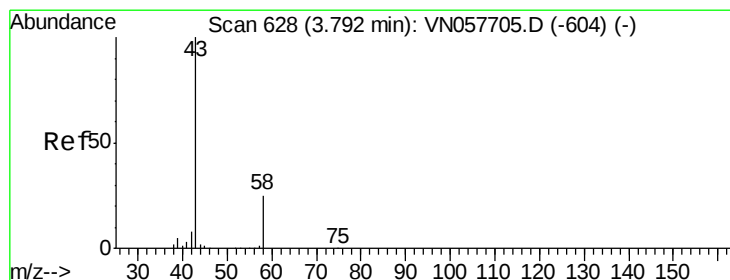
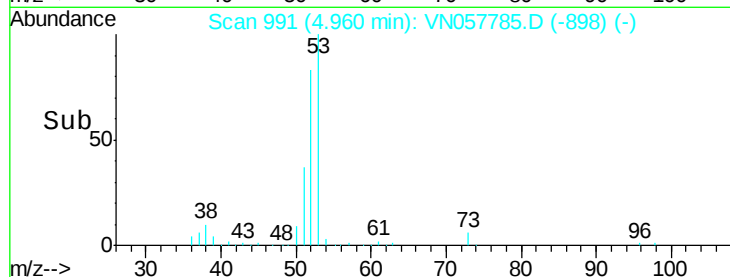
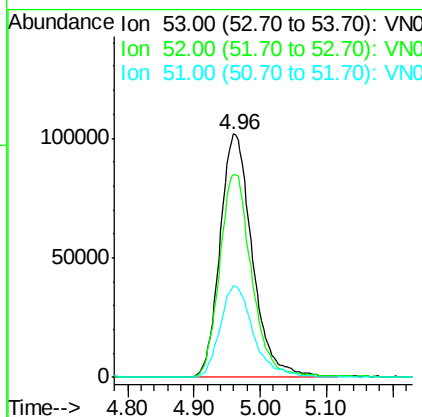
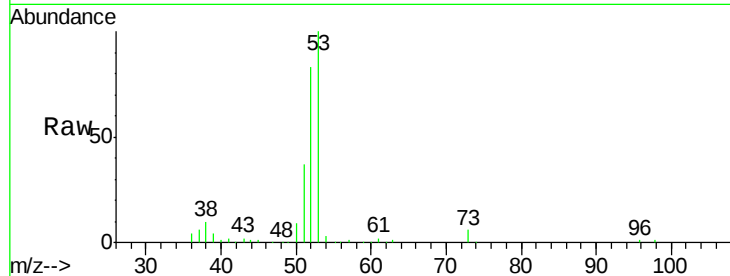
ClientSampleID :

VSTDCCC050EC

Tot Ion:	53	Resp:	344749
Ion Ratio	Lower	Upper	
53	100		
52	82.1	68.1	102.1
51	38.5	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 224.615 ug/l

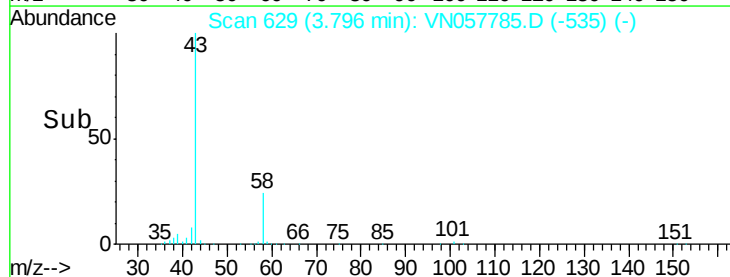
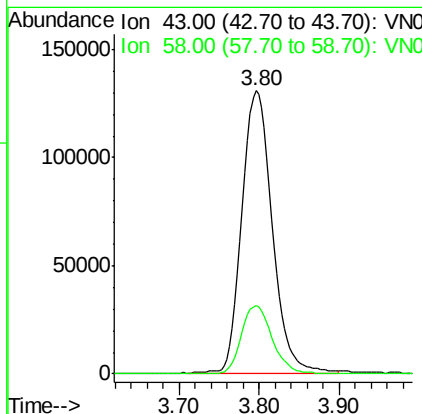
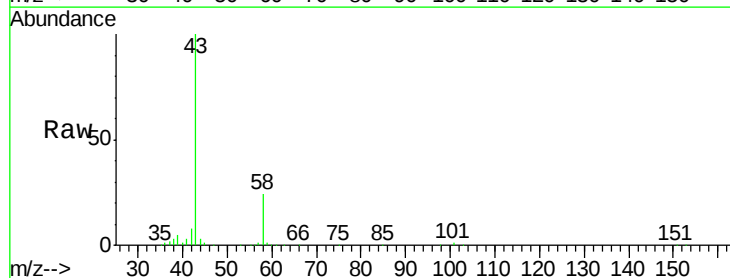
RT: 3.80 min Scan# 629

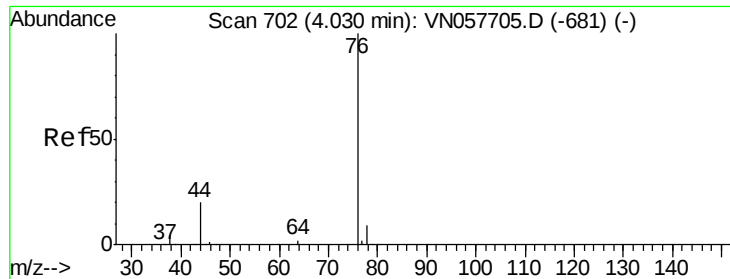
Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Tgt Ion:	43	Resp:	334441
Ion Ratio	Lower	Upper	
43	100		
58	24.0	19.8	29.8





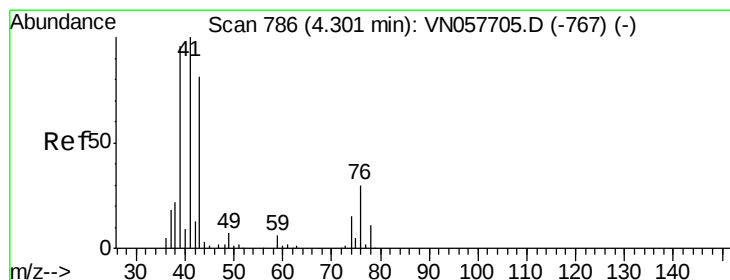
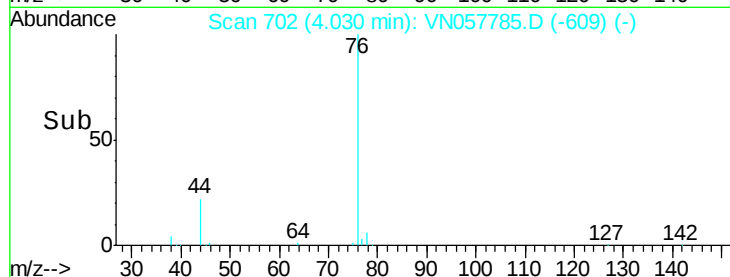
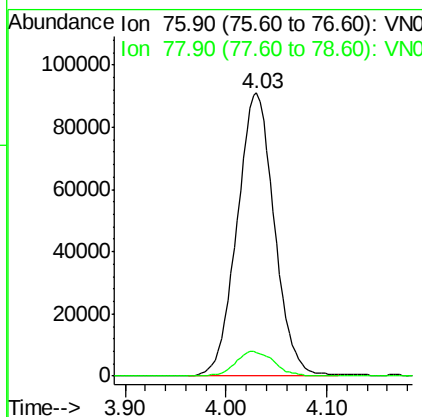
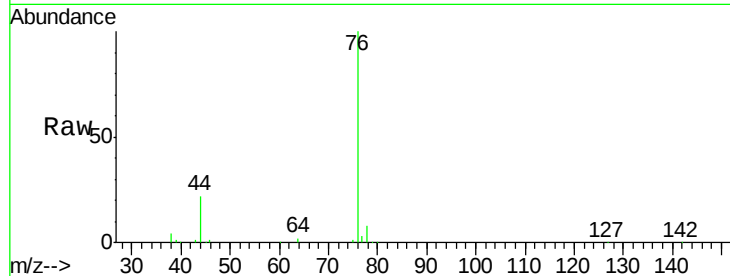
#17
Carbon Disulfide
Concen: 41.707 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	8.4	7.0	10.6	

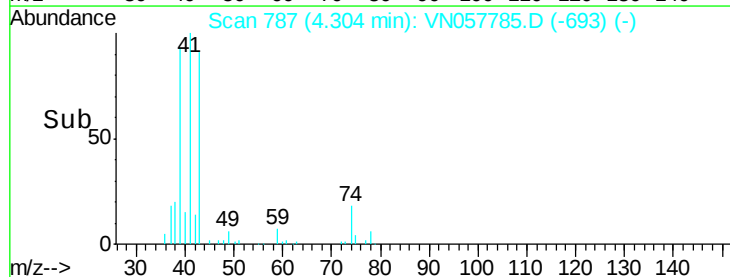
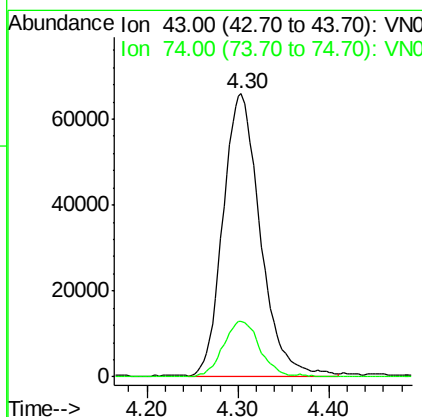
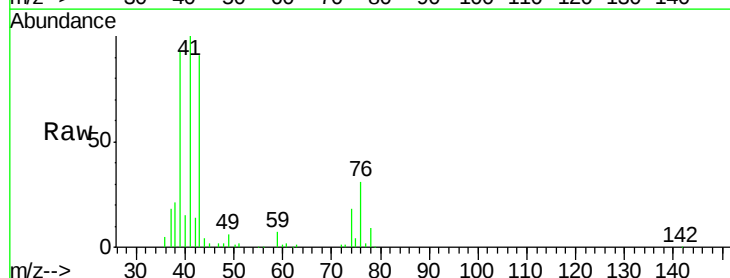
Manual Integrations
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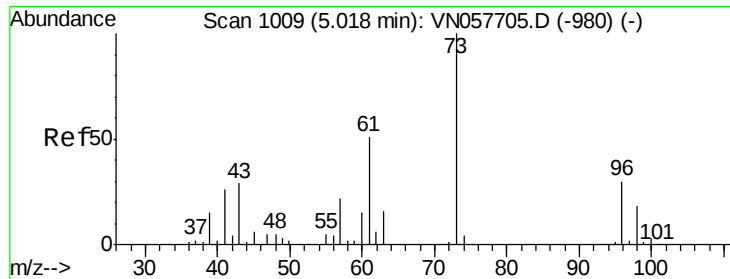
MMDadoda
9/10/2019 3:02:40 PM



#18
Methyl Acetate
Concen: 45.971 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	19.3	15.3	22.9	





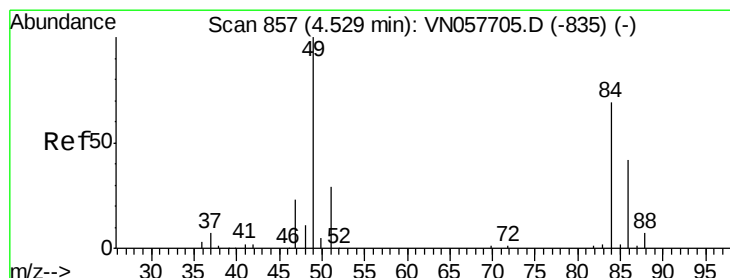
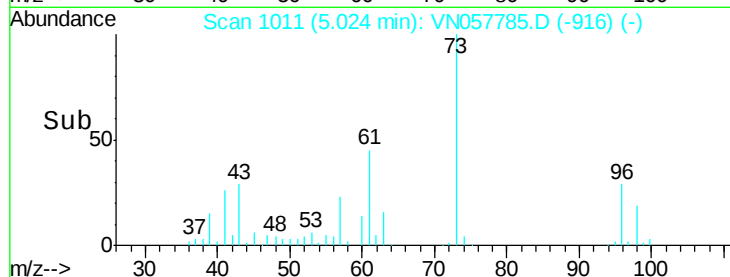
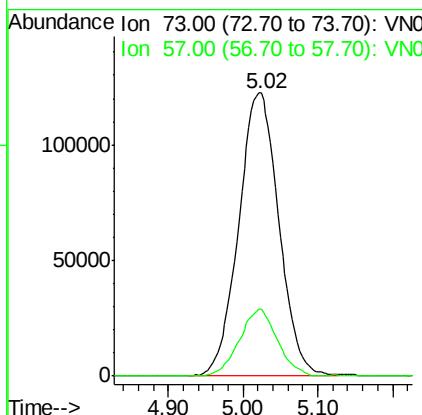
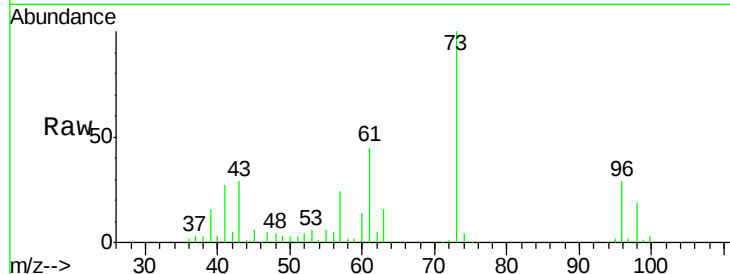
#19
Methvl tert-butvl Ether
Concen: 44.203 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 457430
Ion Ratio Lower Upper
73 100
57 23.5 17.7 26.5

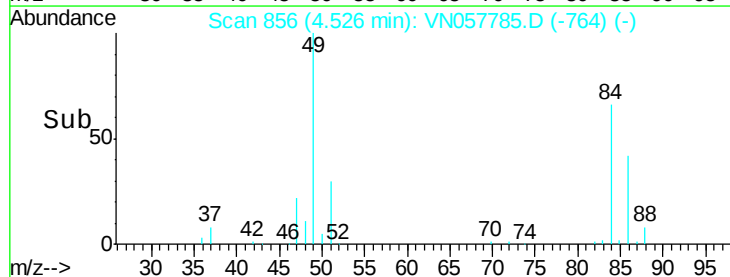
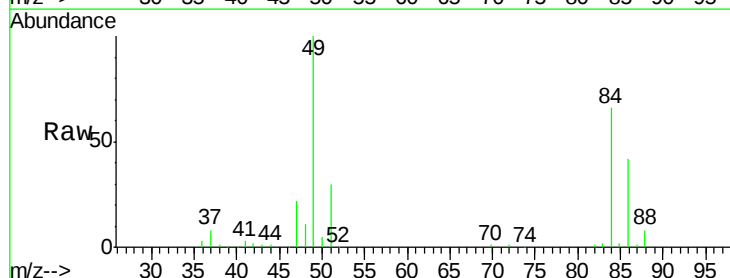
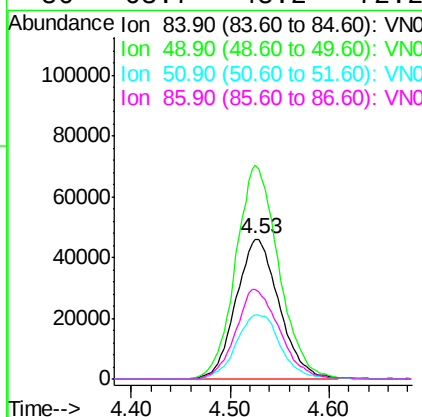
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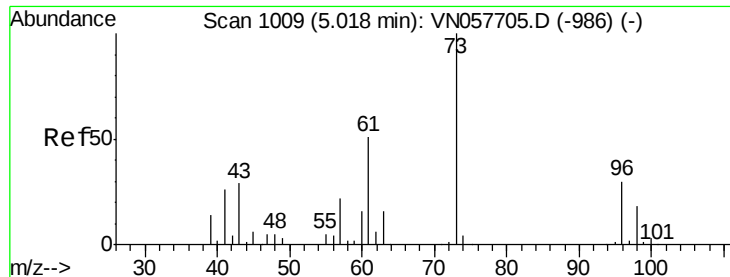
MMDadoda
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#20
Methylene Chloride
Concen: 43.543 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 84 Resp: 140183
Ion Ratio Lower Upper
84 100
49 152.1 115.0 172.6
51 46.1 33.8 50.8
86 63.7 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 47.511 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

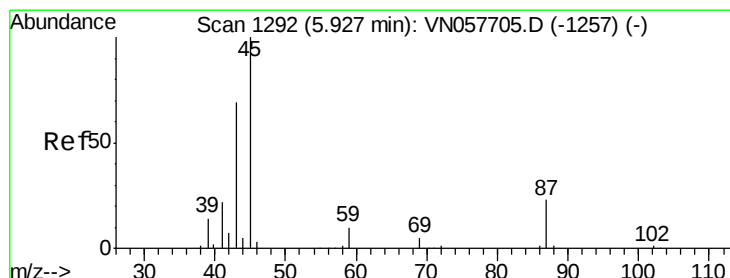
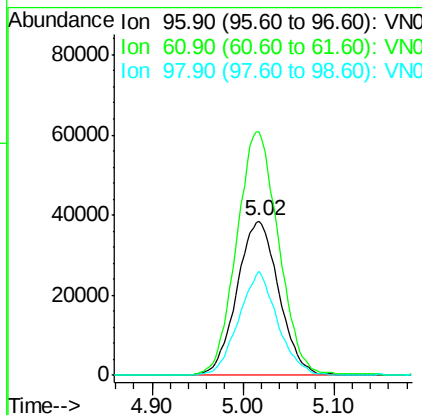
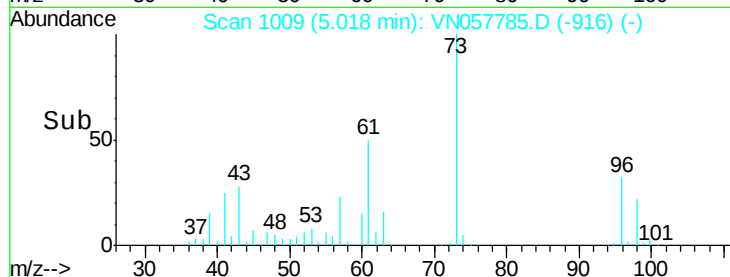
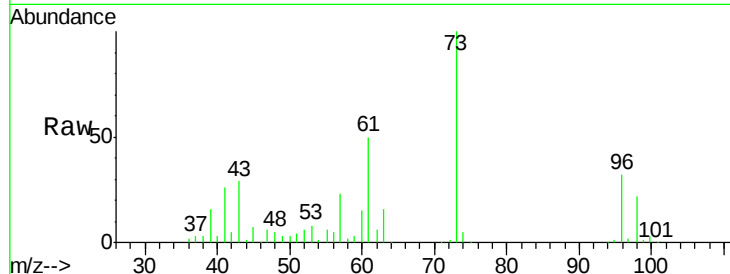
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	123231
Ion	Ratio	Lower	Upper
96	100		
61	157.5	135.8	203.8
98	67.5	49.0	73.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.440 ug/l

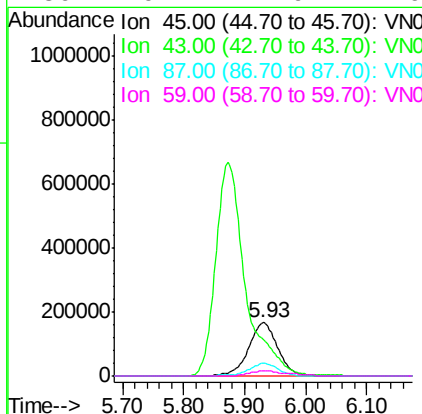
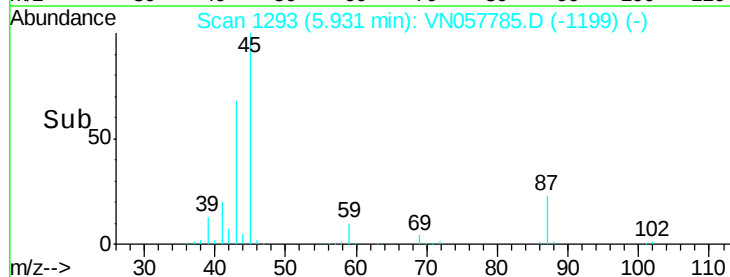
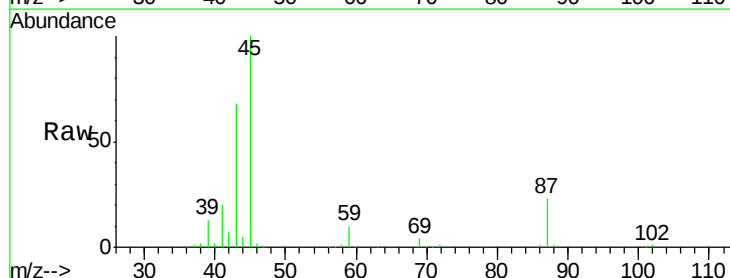
RT: 5.93 min Scan# 1293

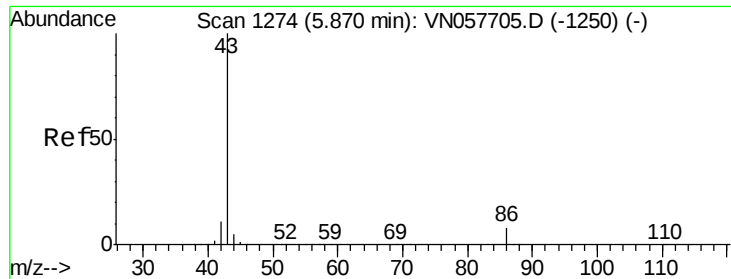
Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Tgt Ion:	45	Resp:	553363
Ion	Ratio	Lower	Upper
45	100		
43	67.6	55.5	83.3
87	23.3	18.6	28.0
59	9.7	7.9	11.9





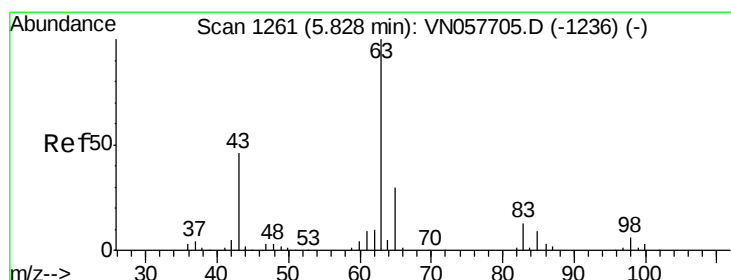
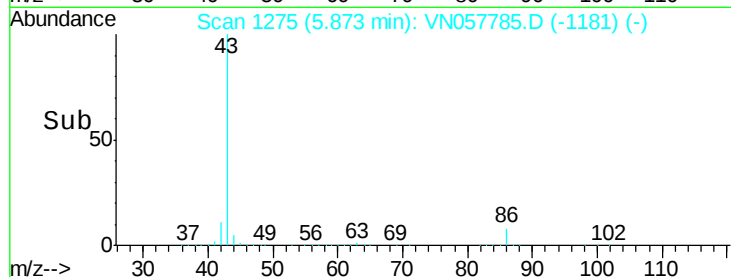
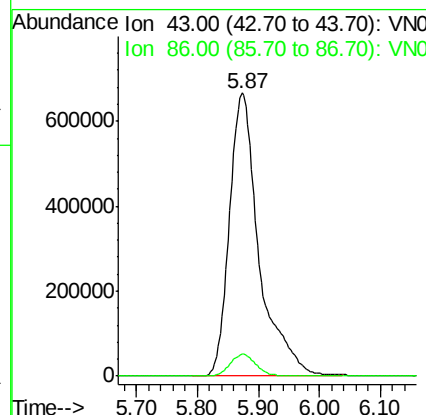
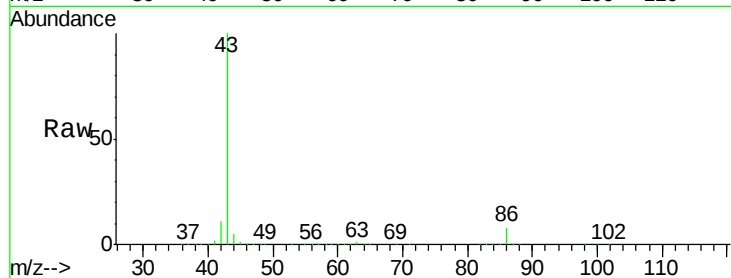
#23
 Vinyl Acetate
 Concen: 233.632 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2253272
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.2 9.4

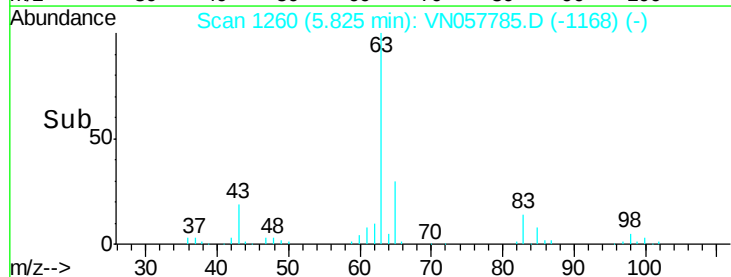
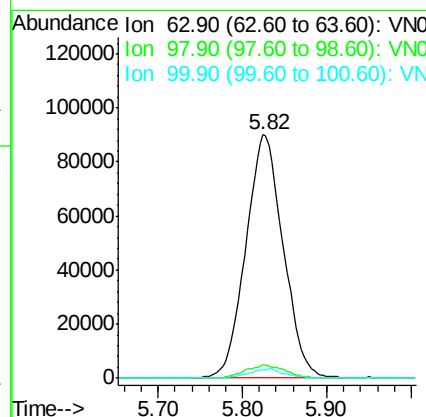
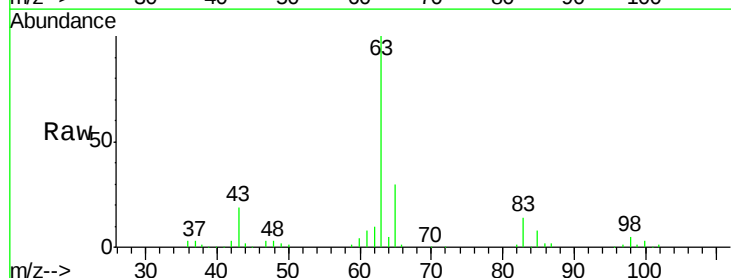
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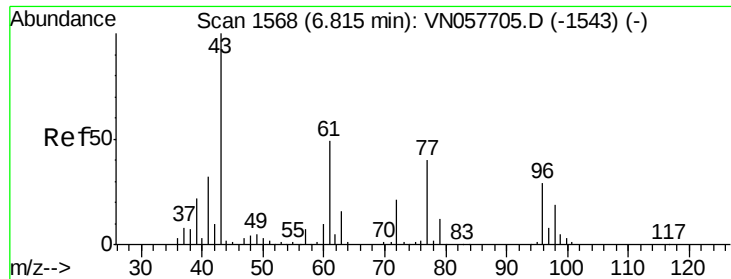
MMDadoda
 9/10/2019 3:02:40 PM



#24
 1,1-Dichloroethane
 Concen: 45.344 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 63 Resp: 277031
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.9 8.8
 100 3.3 1.7 5.0





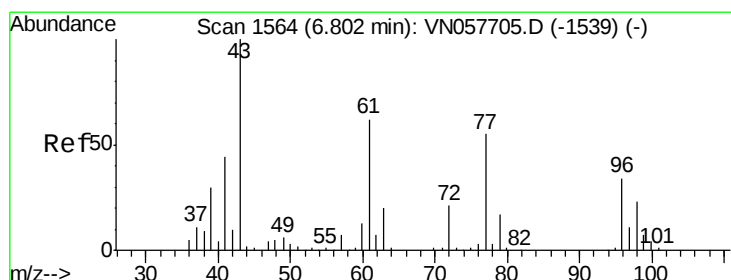
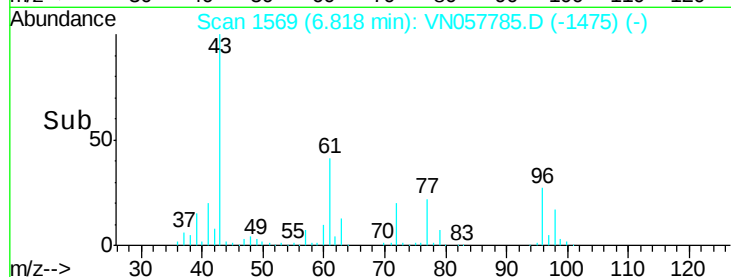
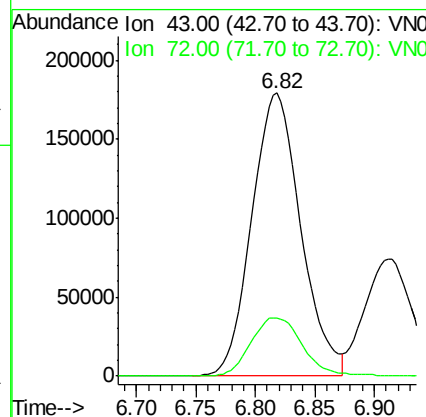
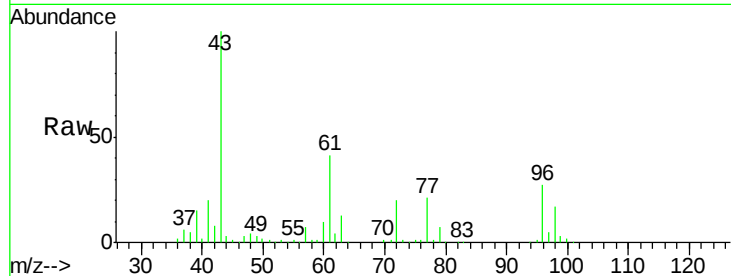
#25
2-Butanone
Concen: 238.709 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 508998
Ion Ratio Lower Upper
43 100
72 20.4 17.0 25.6

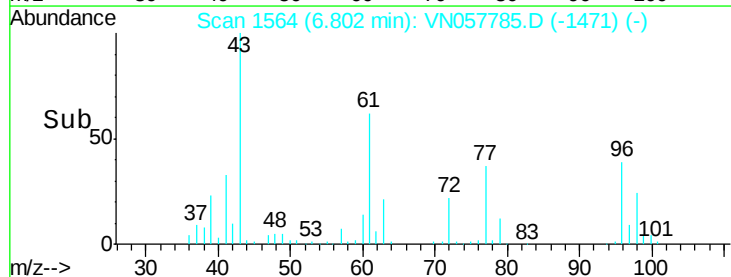
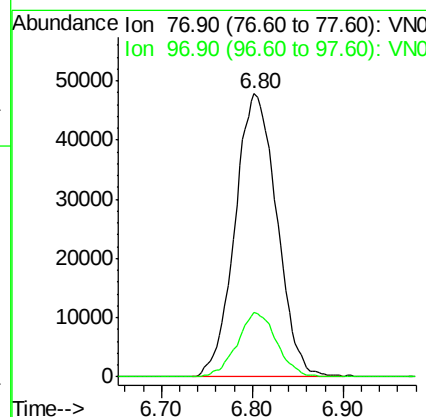
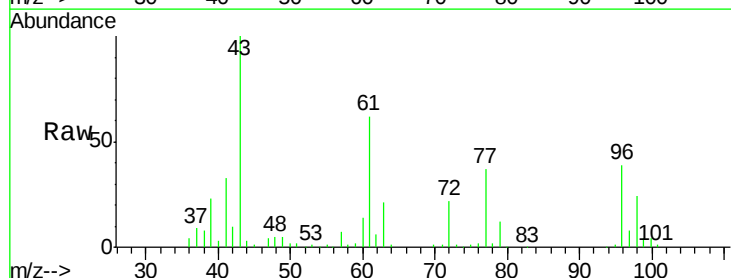
Manual Integrations
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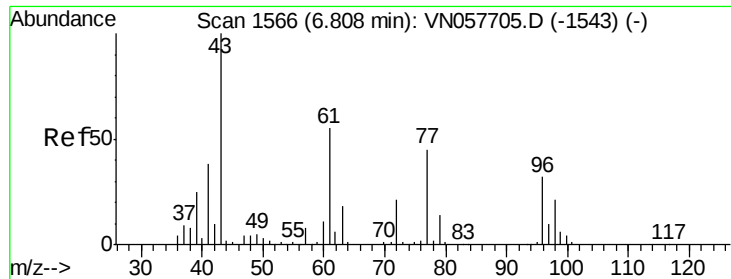
MMDadoda
9/10/2019 3:02:40 PM



#26
2,2-Dichloropropane
Concen: 29.955 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 77 Resp: 152679
Ion Ratio Lower Upper
77 100
97 21.4 10.1 30.1





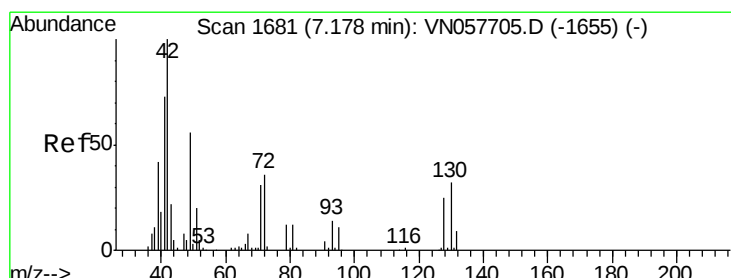
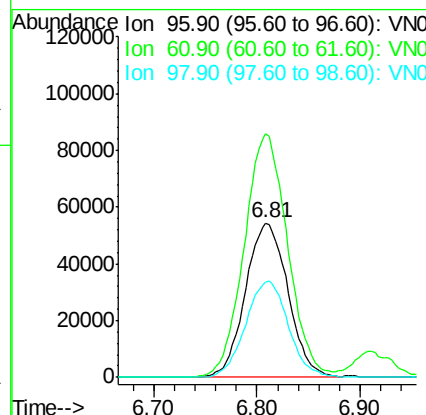
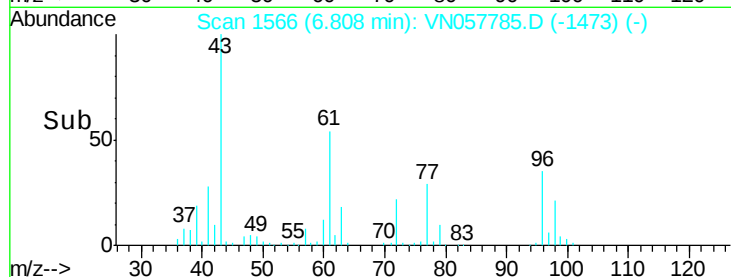
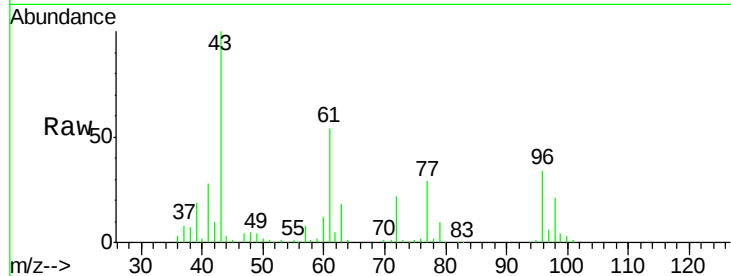
#27
 cis-1,2-Dichloroethene
 Concen: 47.889 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	155909		
61	161.0	0.0	360.6	
98	62.7	0.0	130.6	

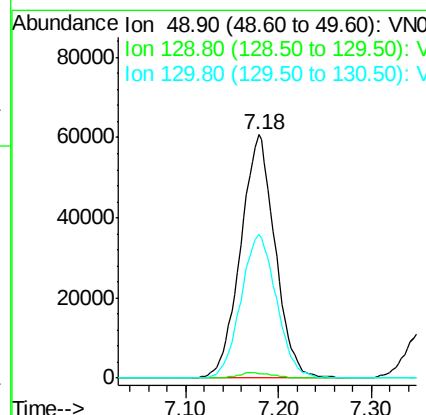
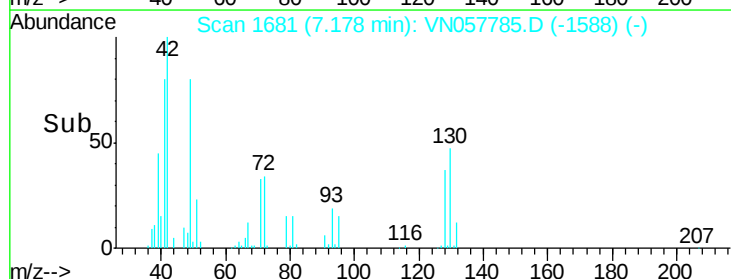
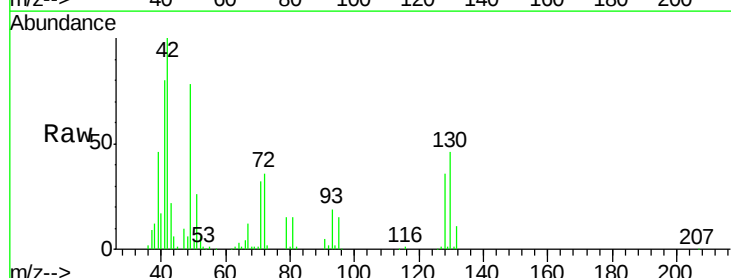
Manual Integrations
 APPROVED

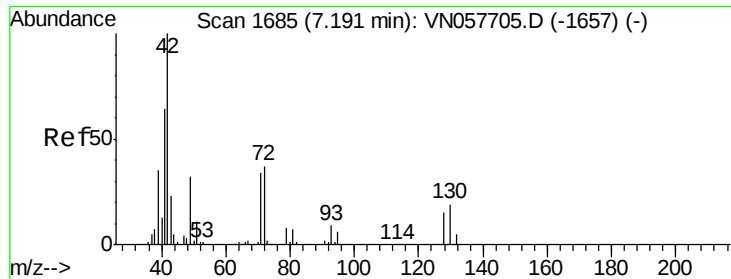
MMDadoda
 9/10/2019 3:02:40 PM



#28
 Bromochloromethane
 Concen: 48.939 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	156442		
129	2.1	0.0	2.4	
130	60.6	45.8	68.8	





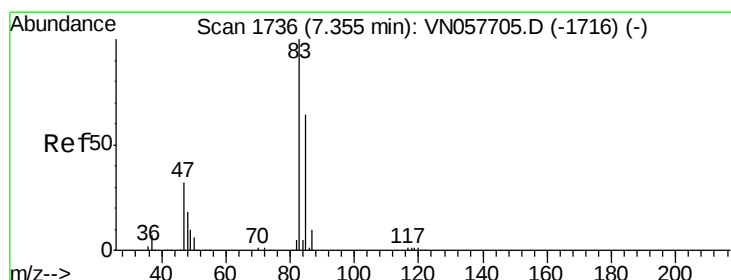
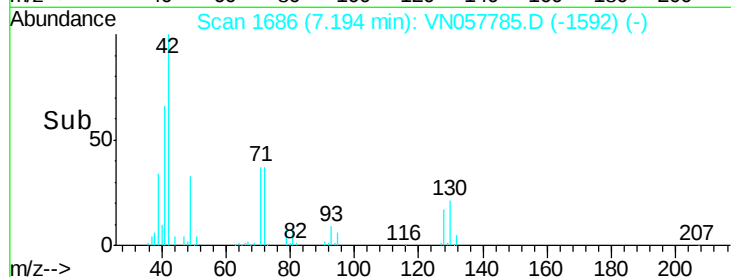
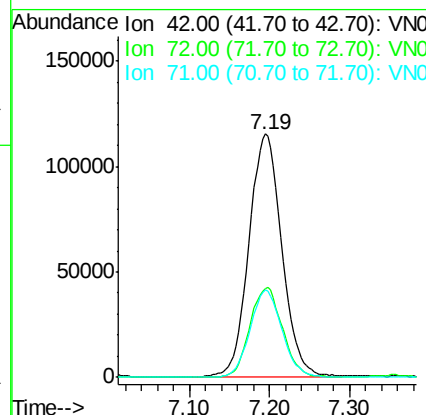
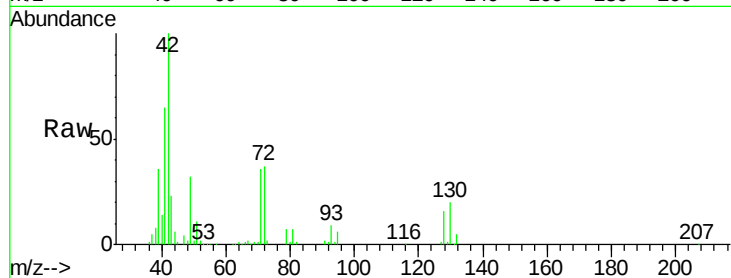
#29
Tetrahydrofuran
Concen: 235.818 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	29.2	43.8
71	34.7	27.0	40.4

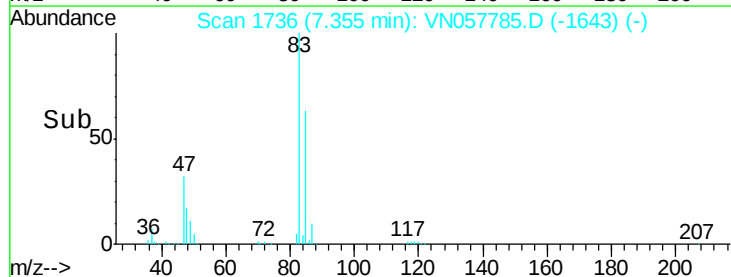
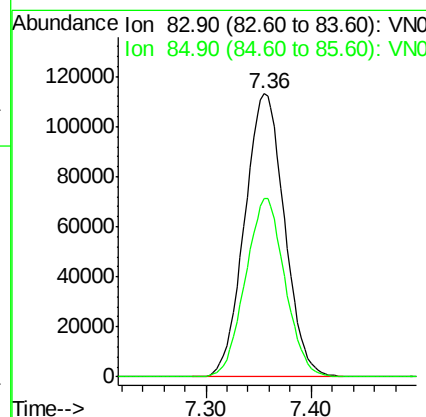
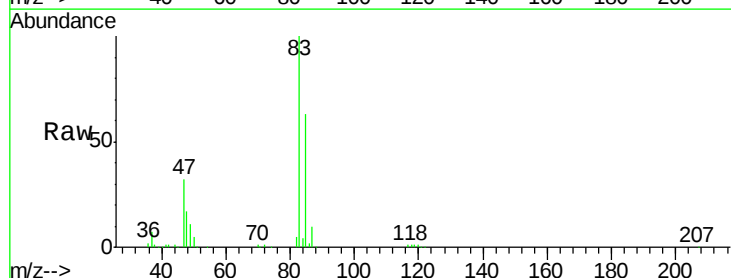
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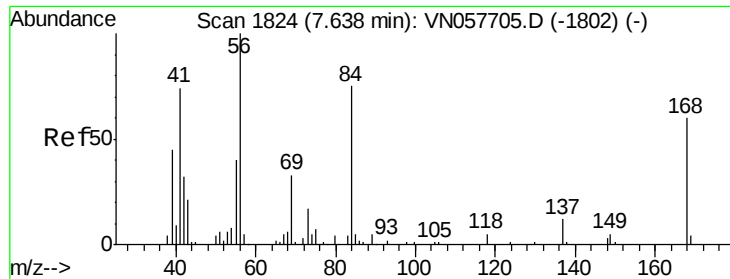
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9/10/2019 3:02:40 PM



#30
Chloroform
Concen: 46.766 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.3	76.9





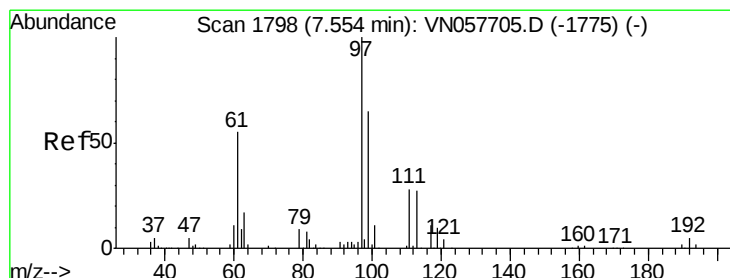
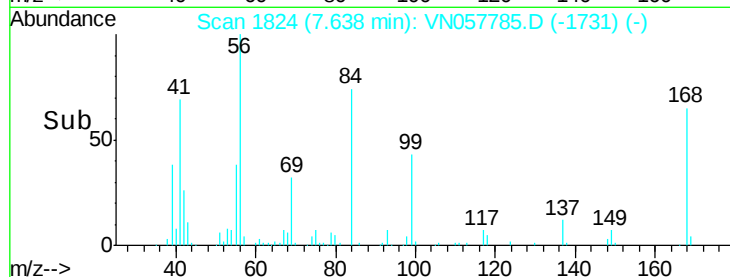
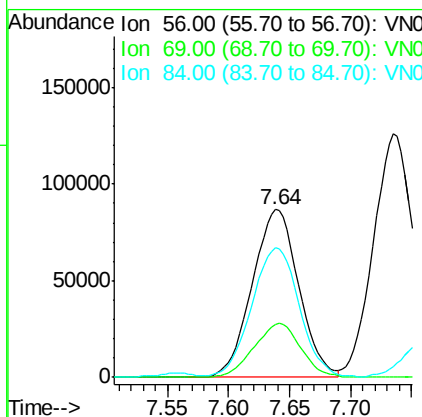
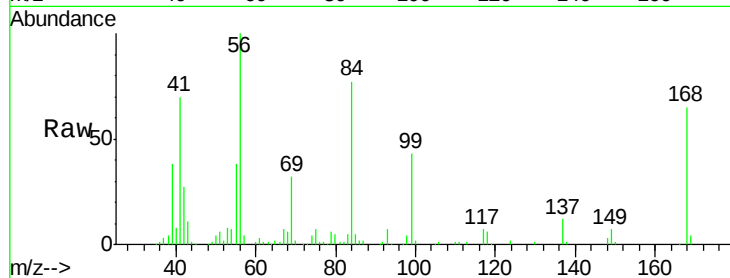
#31
Cyclohexane
Concen: 42.358 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.2	39.2
84	75.4	59.8	89.8

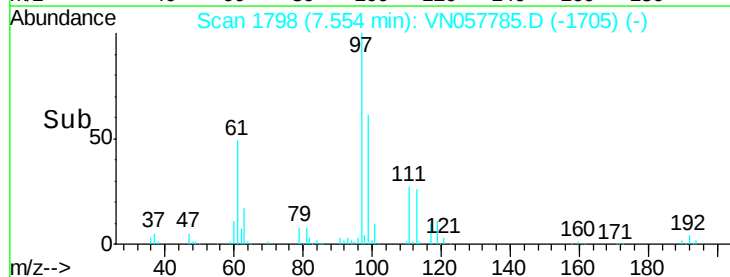
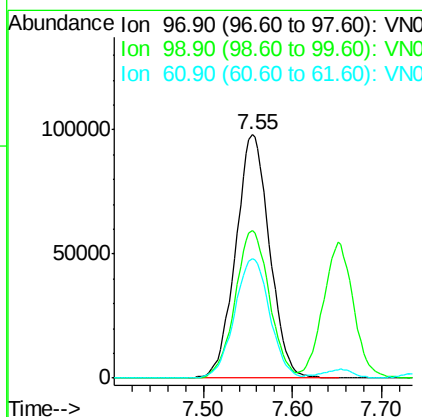
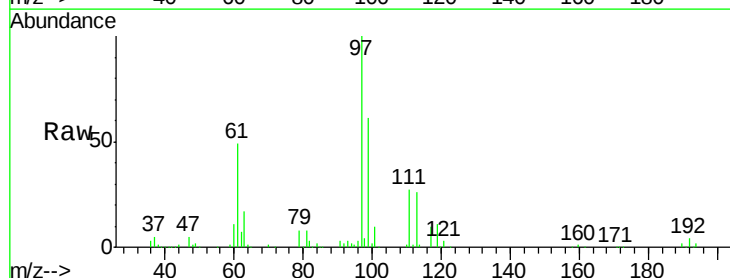
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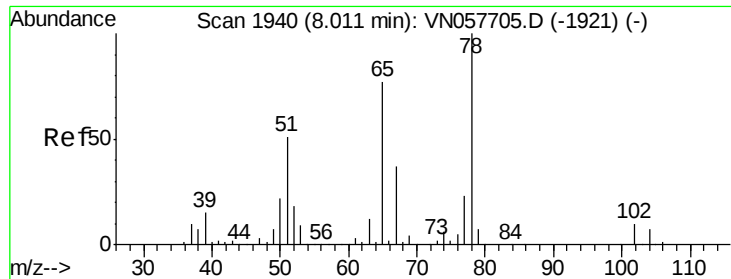
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#32
1,1,1-Trichloroethane
Concen: 48.569 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.2	76.8
61	50.7	42.8	64.2





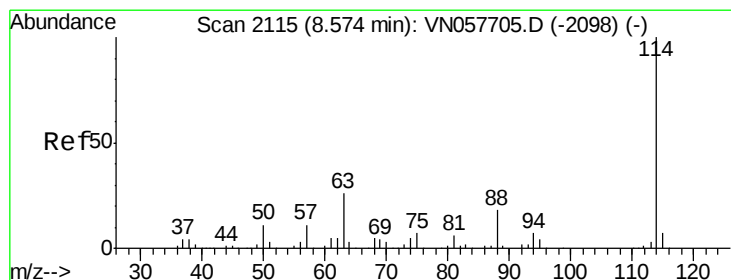
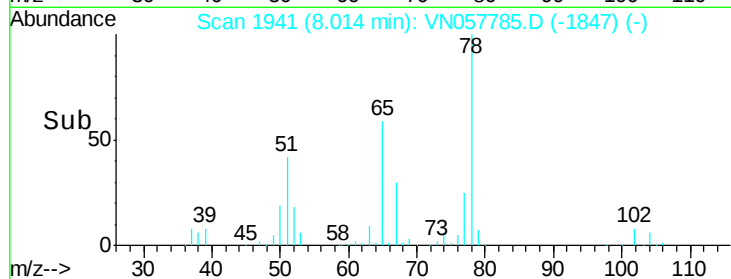
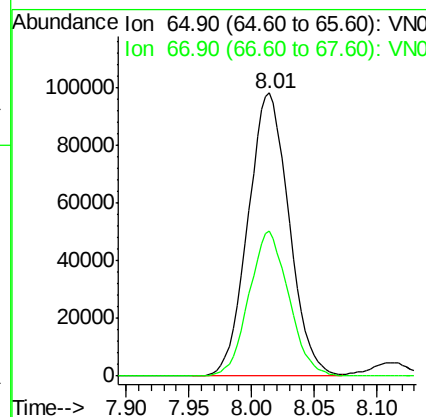
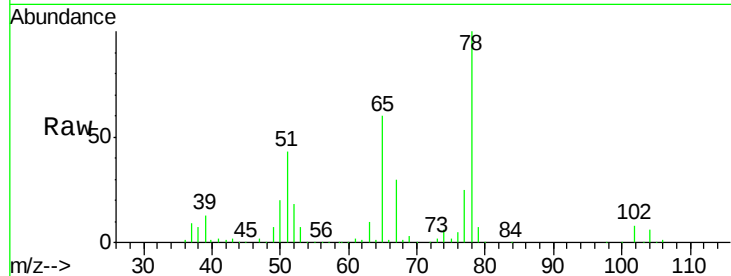
#33
 1,2-Dichloroethane-d4
 Concen: 46.368 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224348		
67	49.6	0.0	98.2	

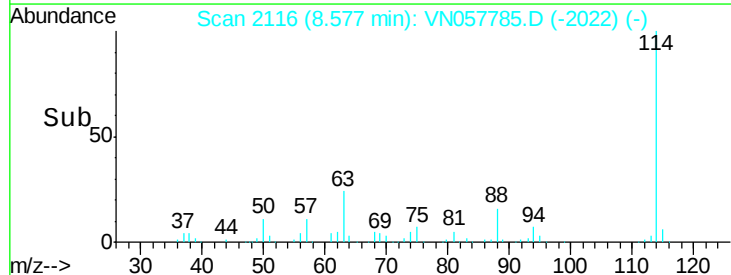
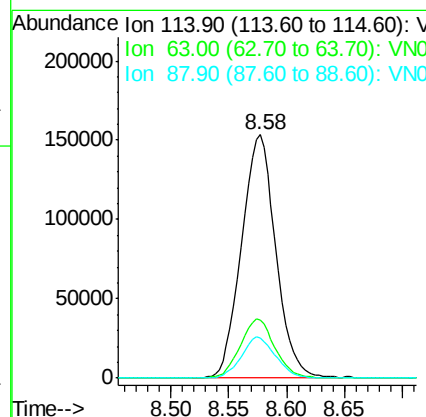
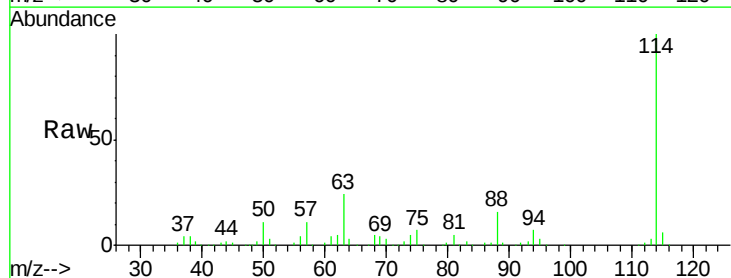
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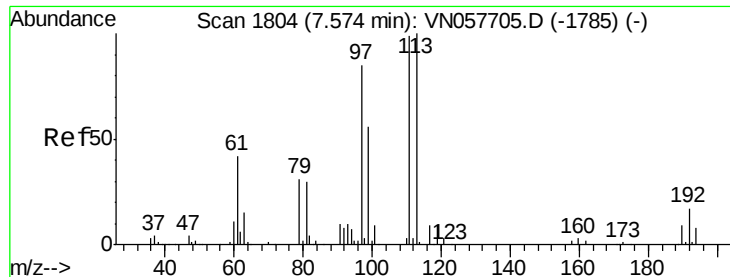
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	314579		
63	24.1	0.0	52.4	
88	16.4	0.0	35.4	





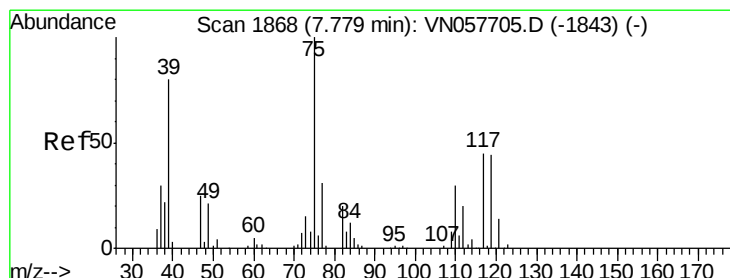
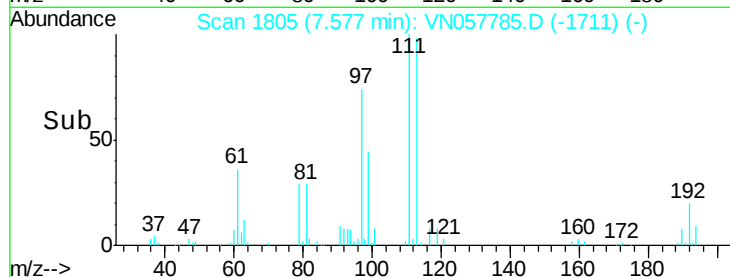
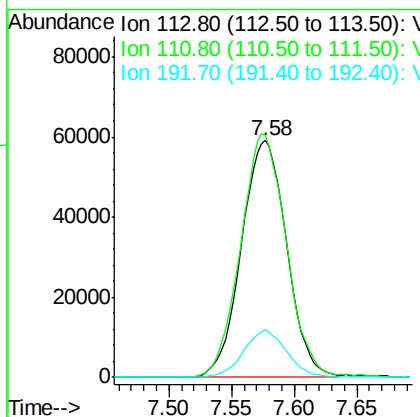
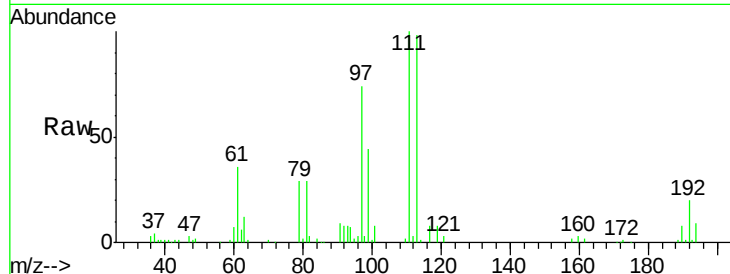
#35
 Dibromofluoromethane
 Concen: 51.685 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148095		
111	103.8	82.7	124.1	
192	19.0	13.8	20.6	

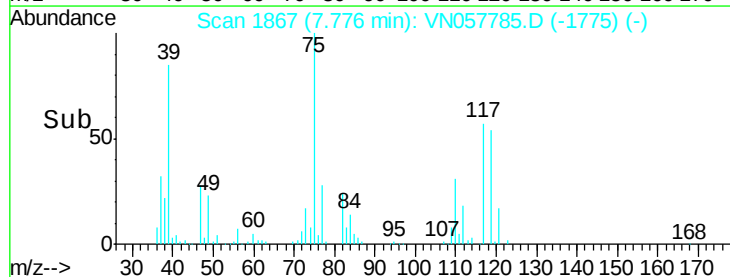
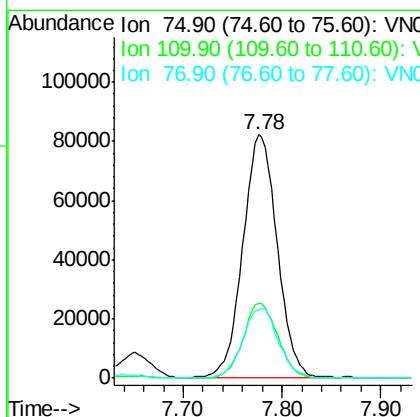
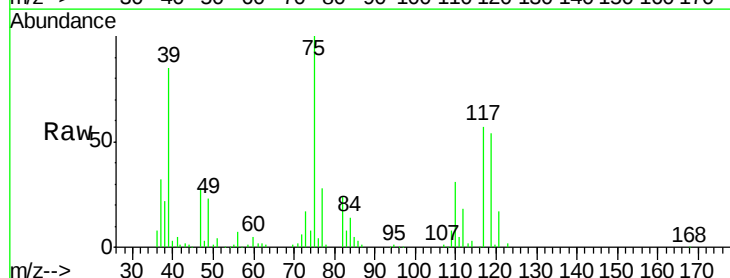
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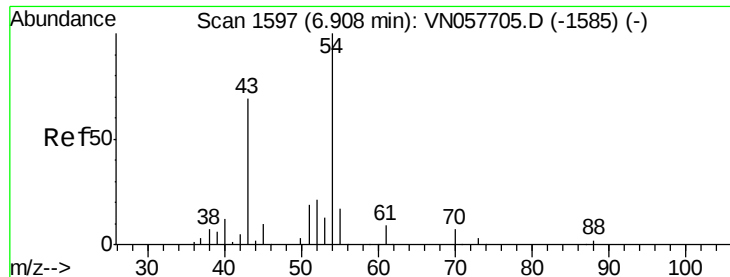
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.022 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	196786		
110	31.2	15.0	45.0	
77	30.1	24.6	37.0	





#37

Ethyl Acetate

Concen: 50.770 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

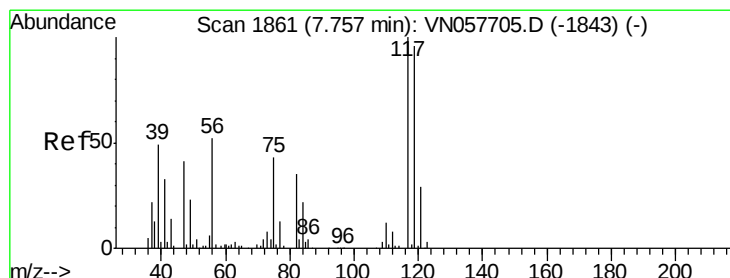
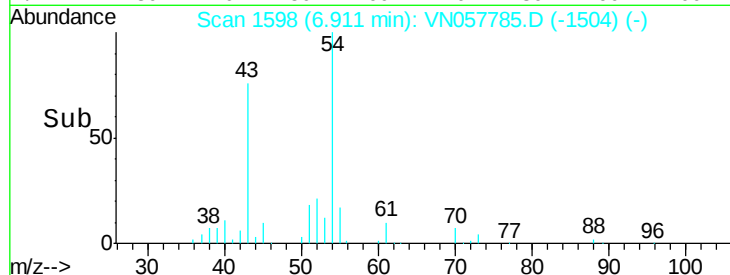
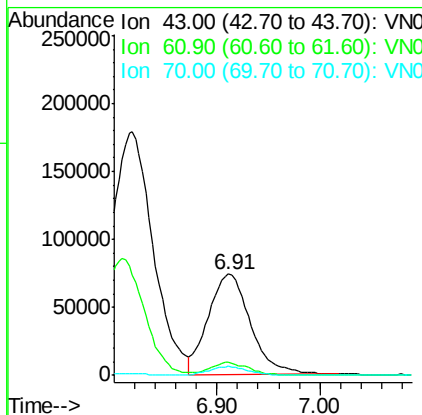
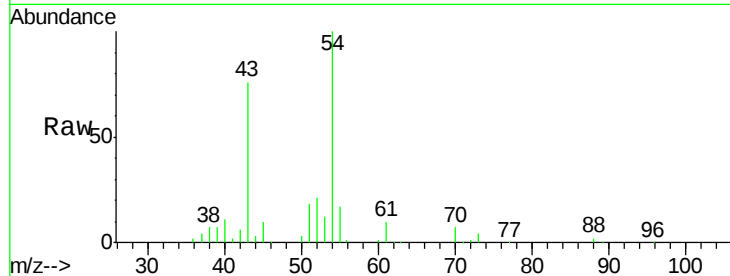
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	210937
Ion	Ratio	Lower	Upper
43	100		
61	11.3	9.8	14.8
70	8.3	6.7	10.1

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#38

Carbon Tetrachloride

Concen: 50.577 ug/l

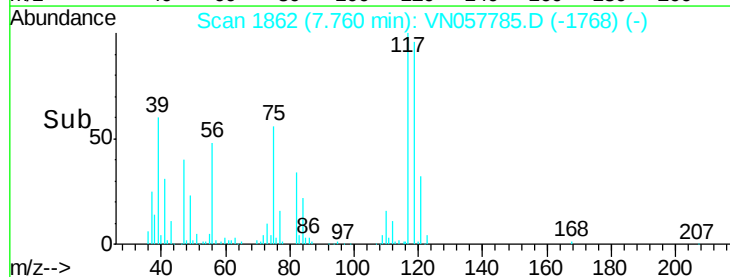
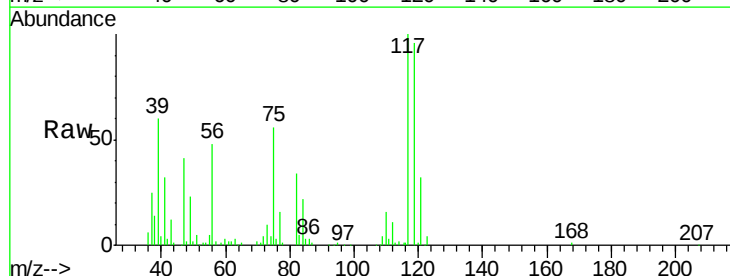
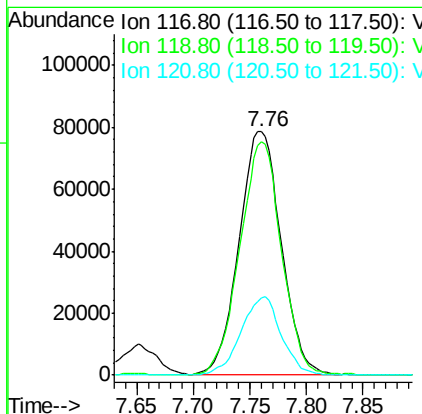
RT: 7.76 min Scan# 1862

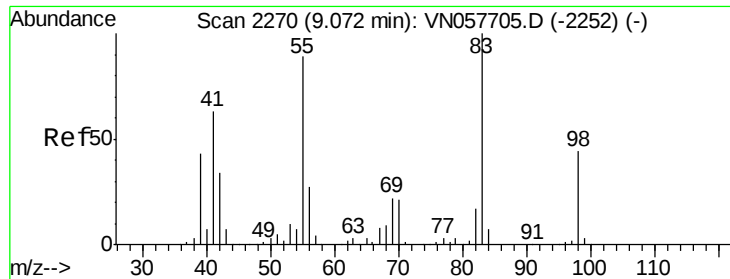
Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Tgt Ion:	117	Resp:	202673
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.1	114.1
121	31.9	23.4	35.2





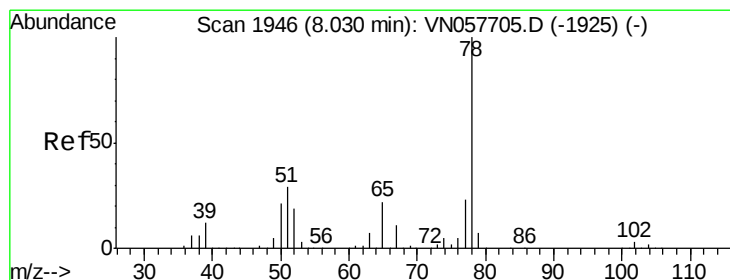
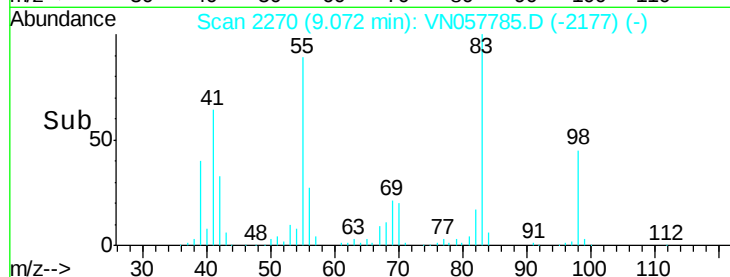
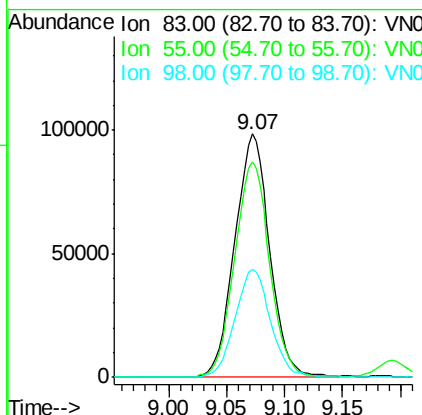
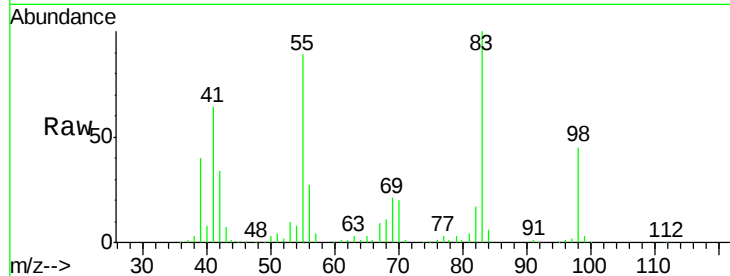
#39
Methvlcvclohexane
Concen: 46.544 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	206029		
55	88.4	71.4	107.0	
98	44.6	35.3	52.9	

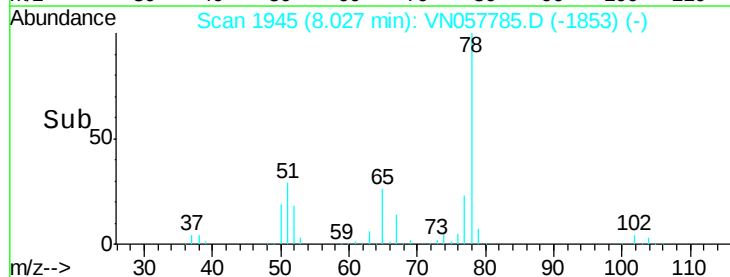
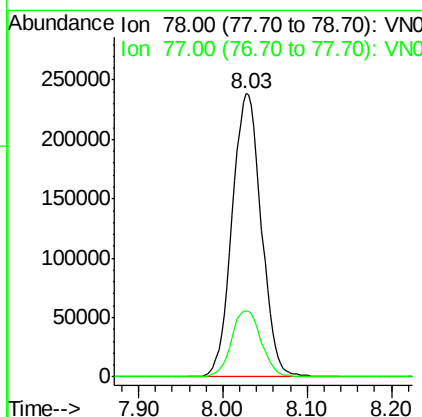
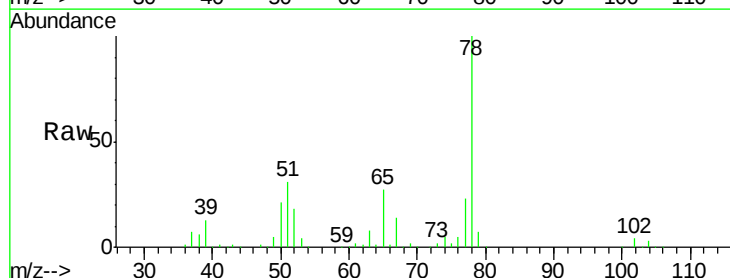
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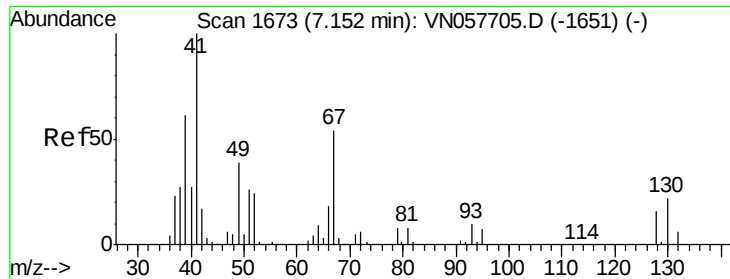
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#40
Benzene
Concen: 48.679 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	576227		
77	23.4	18.6	28.0	





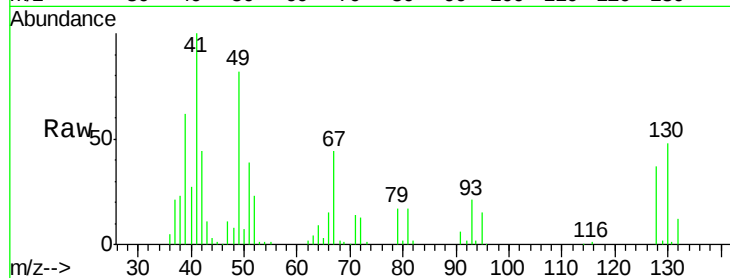
#41
Methacrylonitrile
Concen: 49.066 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

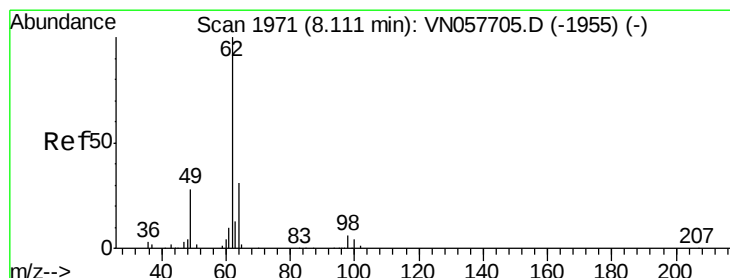
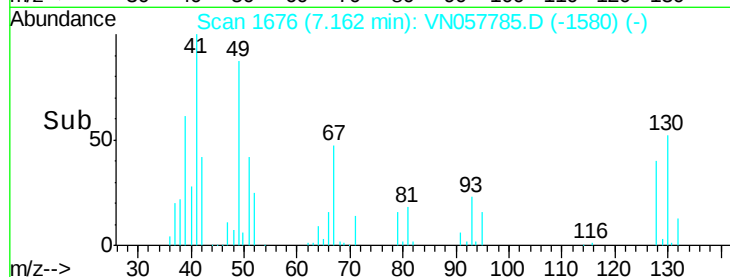
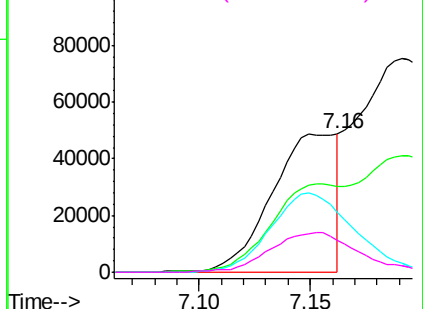
Tot Ion	Ratio	Lower	Upper
41	100		
39	69.5	43.6	65.4#
67	74.1	59.8	89.6
52	38.9	30.7	46.1

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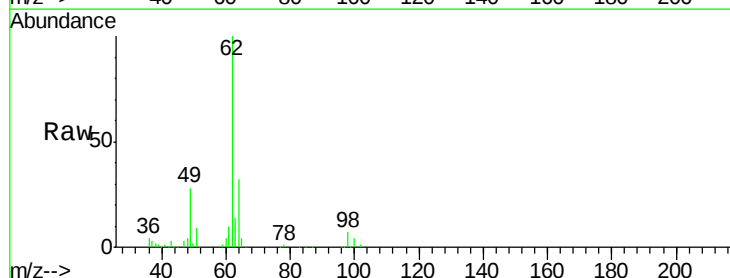


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

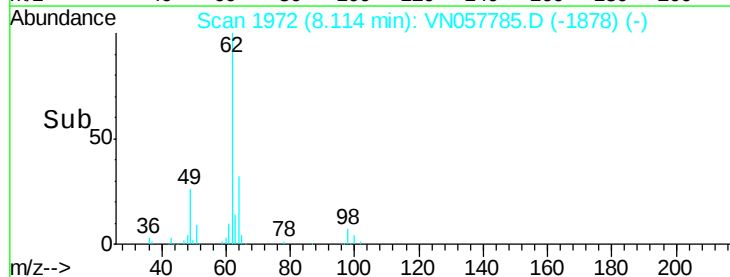
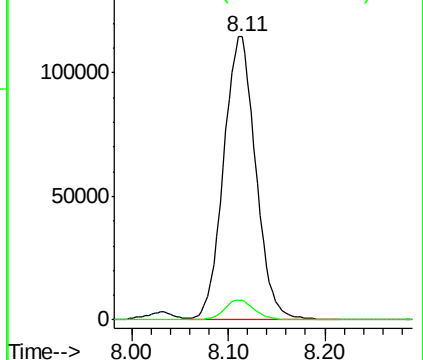


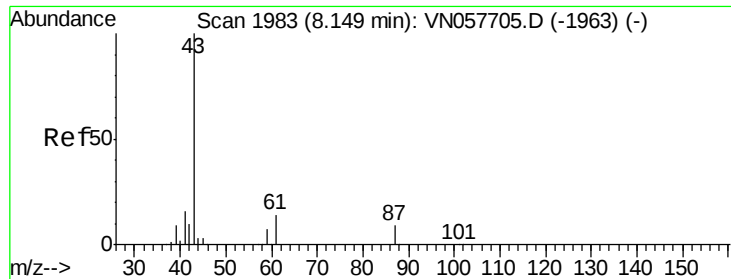
#42
1,2-Dichloroethane
Concen: 47.509 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	12.6



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





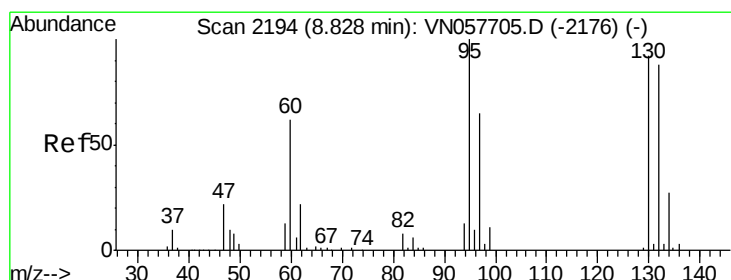
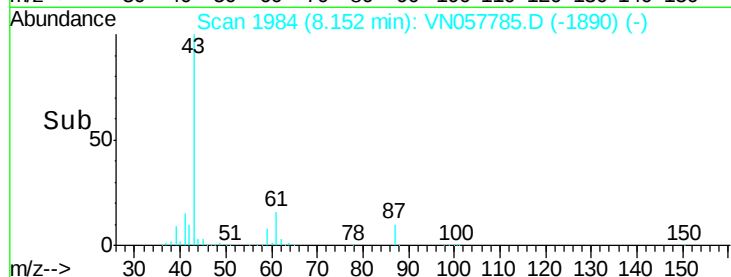
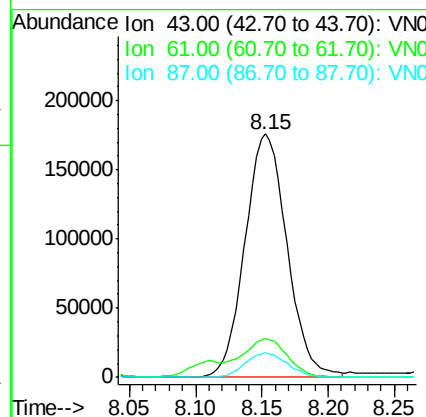
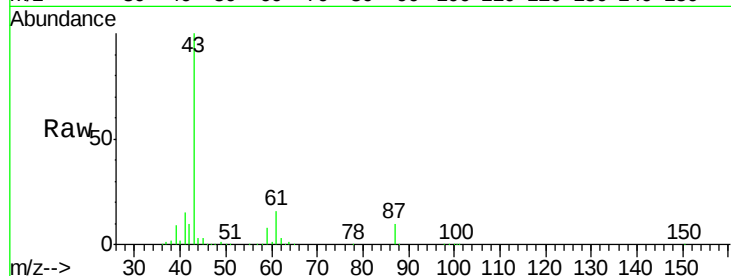
#43
Isopropyl Acetate
Concen: 48.416 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.8	19.2
87	10.2	7.8	11.8

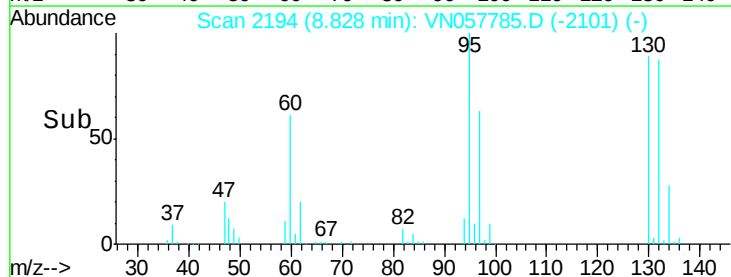
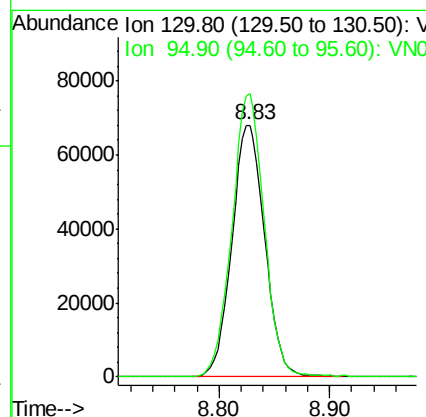
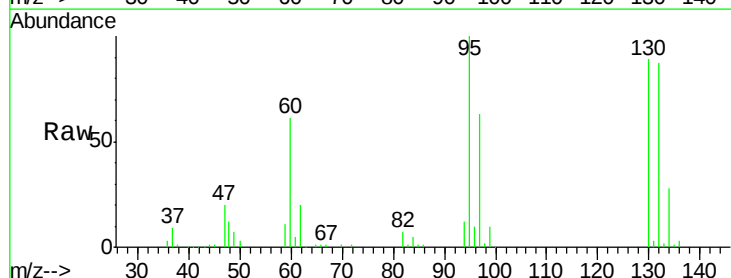
Manual Integrations
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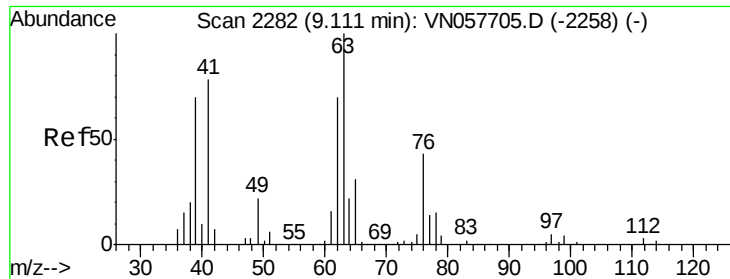
MMDadoda
9/10/2019 3:02:40 PM



#44
Trichloroethene
Concen: 52.736 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.4	0.0	217.8





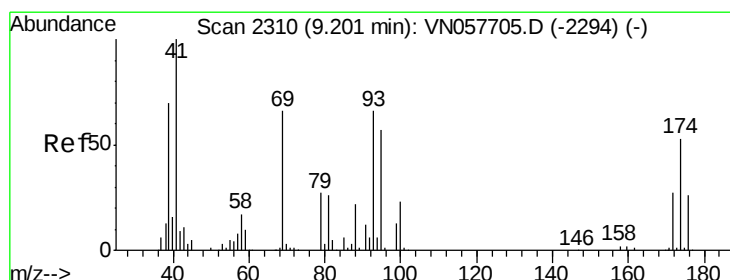
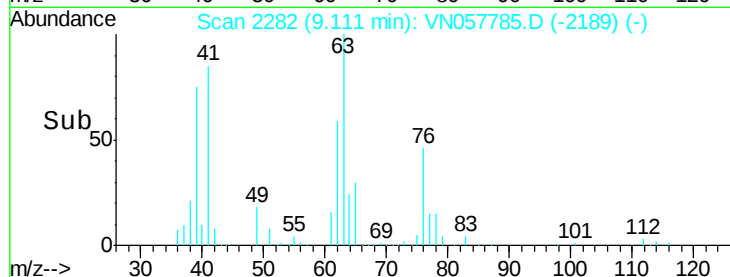
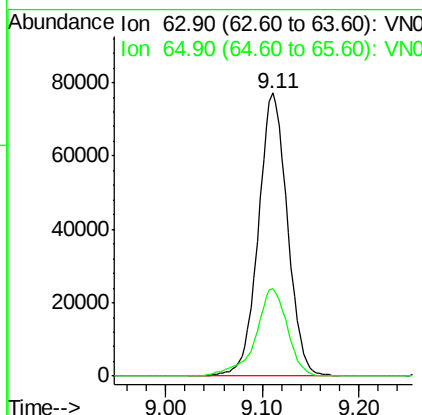
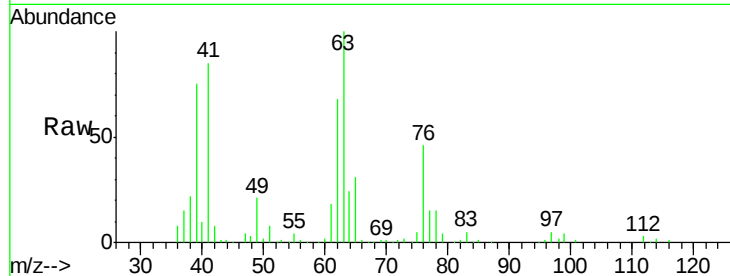
#45
 1,2-Dichloropropane
 Concen: 48.629 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 160992
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.5 36.7

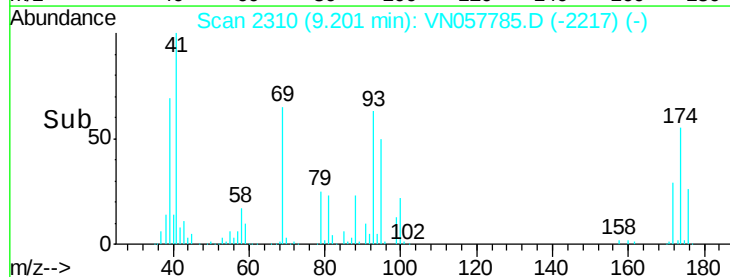
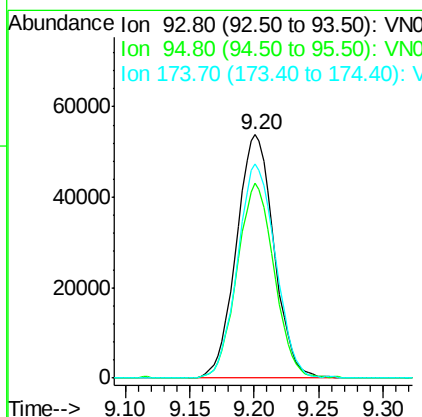
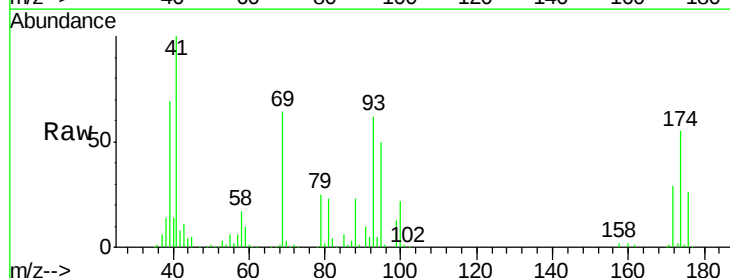
Manual Integrations
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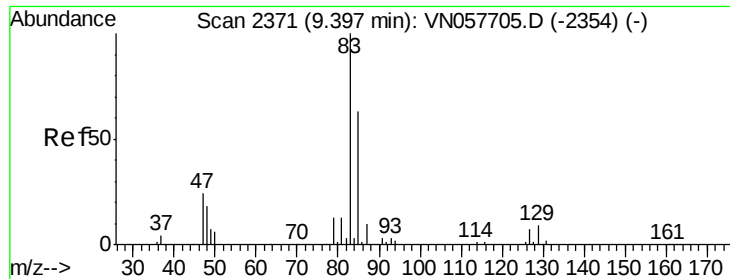
MMDadoda
 9/10/2019 3:02:40 PM



#46
 Dibromomethane
 Concen: 51.490 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 93 Resp: 109345
 Ion Ratio Lower Upper
 93 100
 95 79.1 66.1 99.1
 174 88.6 63.4 95.2





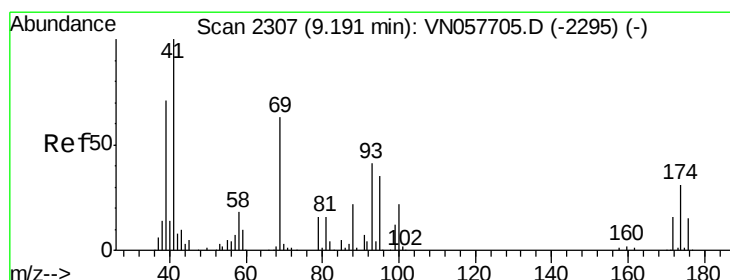
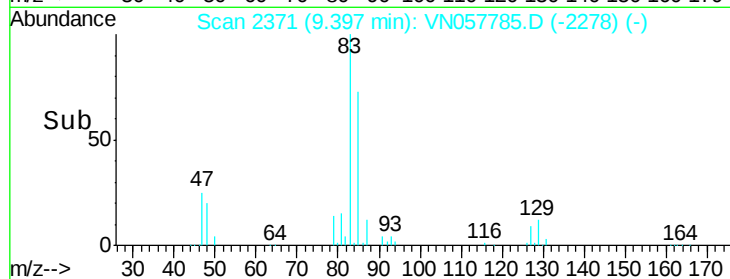
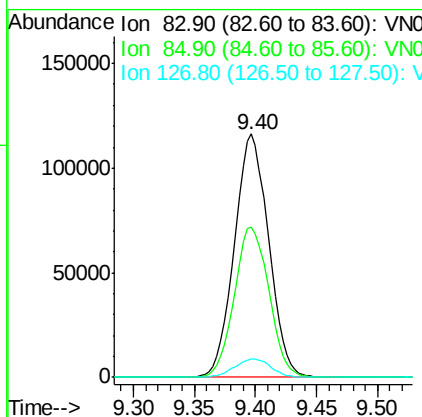
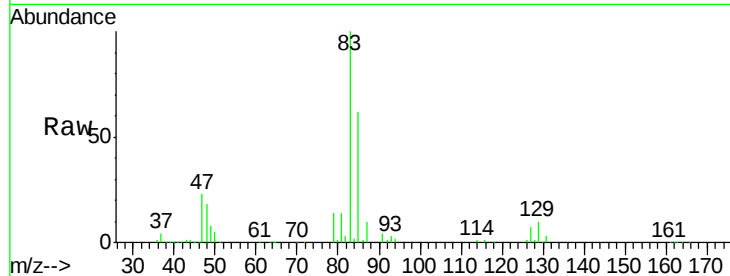
#47
Bromodichloromethane
Concen: 50.127 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	226230
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	50.7	76.1
127	7.4	5.6	8.4

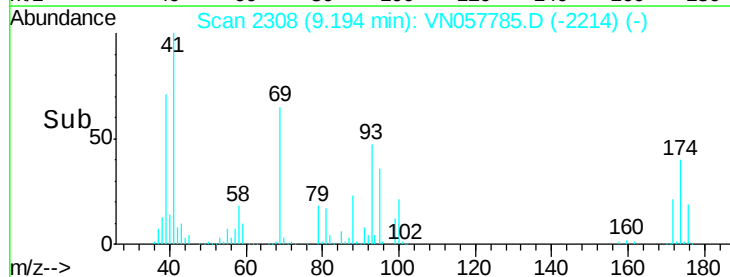
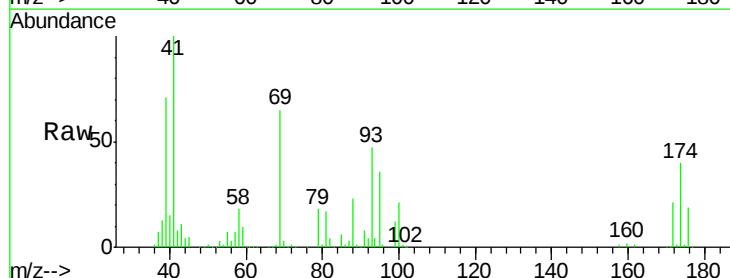
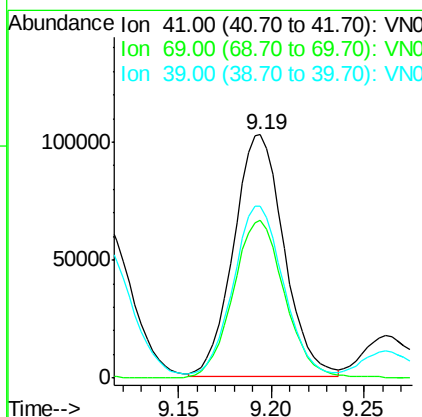
Manual Integrations
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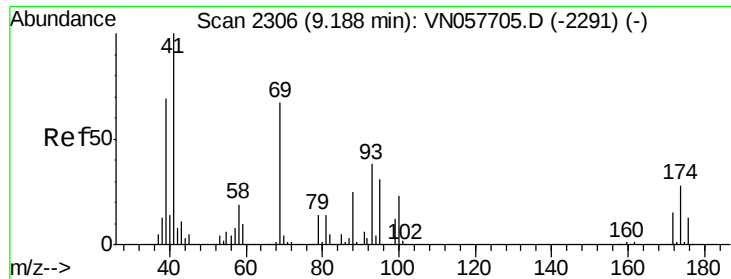
MMDadoda
9/10/2019 3:02:40 PM



#48
Methyl methacrylate
Concen: 47.454 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	41	Resp	194628
Ion Ratio	100	Lower	Upper
41	100		
69	66.5	51.2	76.8
39	71.0	57.3	85.9





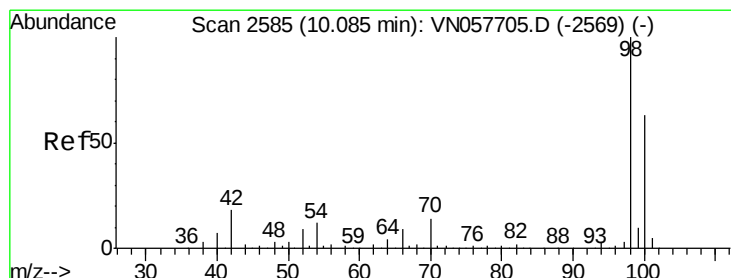
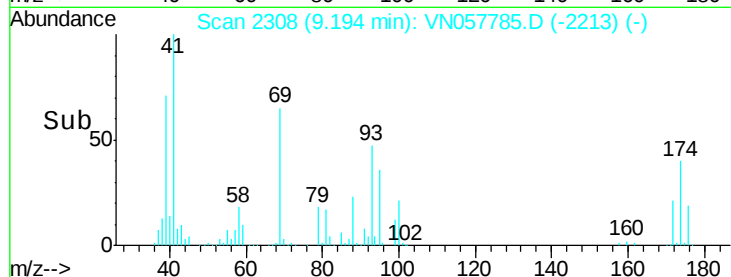
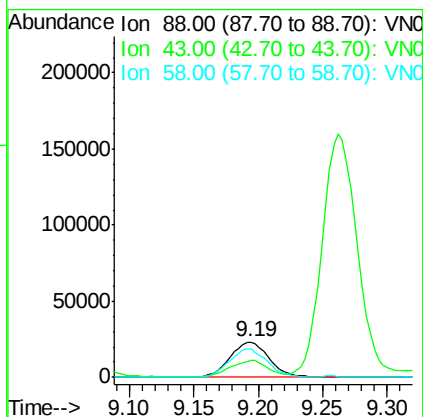
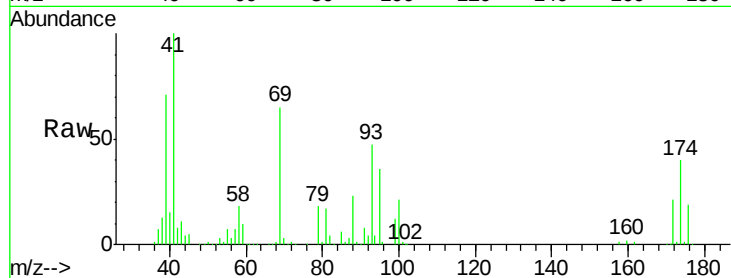
#49
1,4-Dioxane
Concen: 1021.927 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.7	35.4	53.2
58	78.9	61.5	92.3

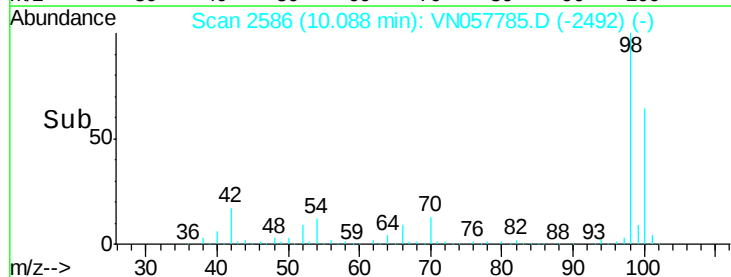
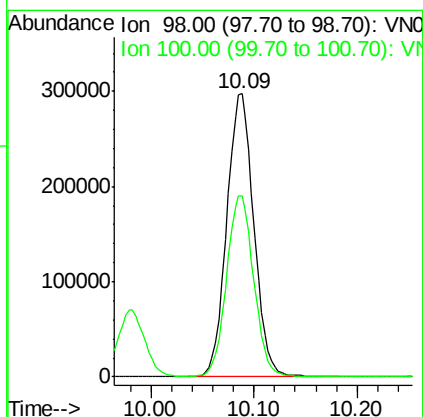
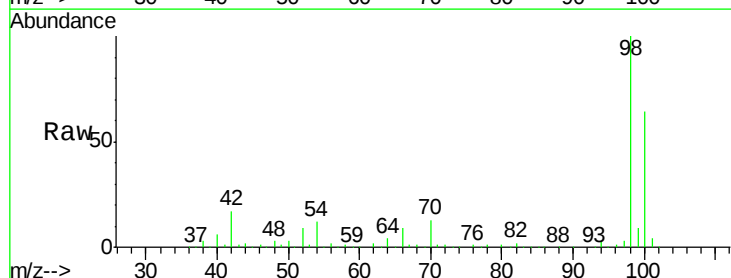
Manual Integrations
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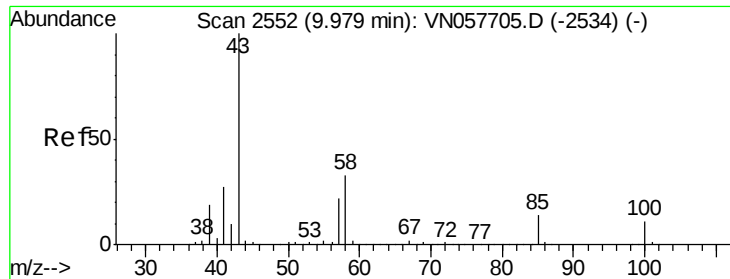
MMDadoda
9/10/2019 3:02:40 PM



#50
Toluene-d8
Concen: 51.366 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 260.556 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Tot Ion: 43 Resp: 1153965

Ion Ratio Lower Upper

43 100

58 32.0 25.8 38.8

Instrument :

MSVOA_N

ClientSampleId :

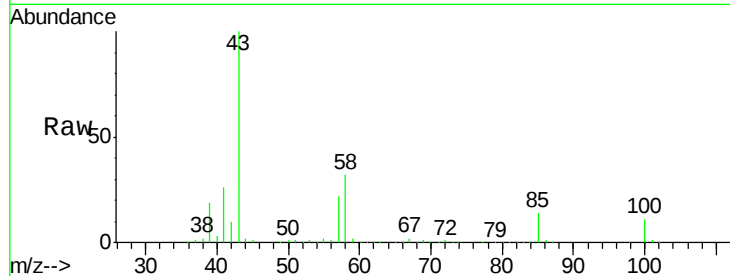
VSTDCCC050EC

Manual Integrations

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MMDadoda

9/10/2019 3:02:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

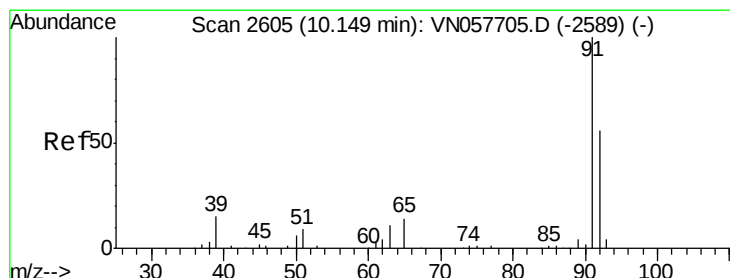
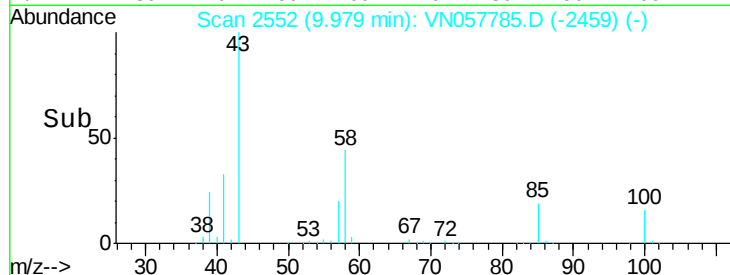
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.868 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057785.D

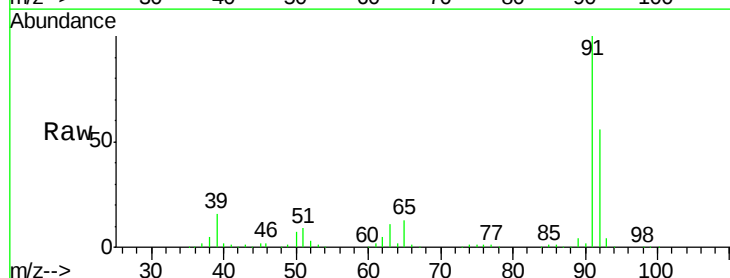
Acq: 8 Sep 2019 3:57

Tgt Ion: 92 Resp: 357777

Ion Ratio Lower Upper

92 100

91 177.4 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

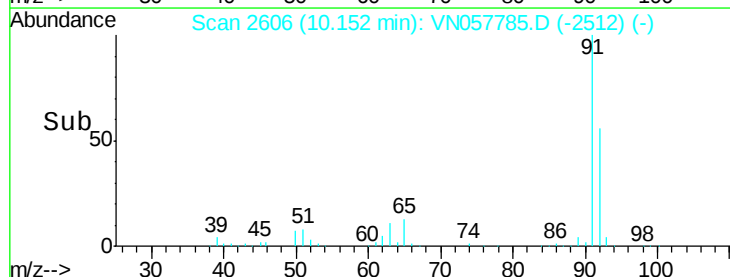
300000

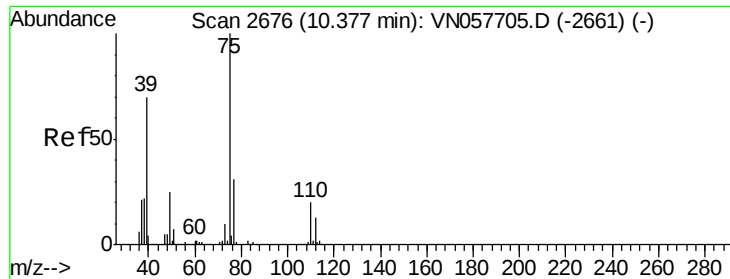
200000

100000

0

Time-->





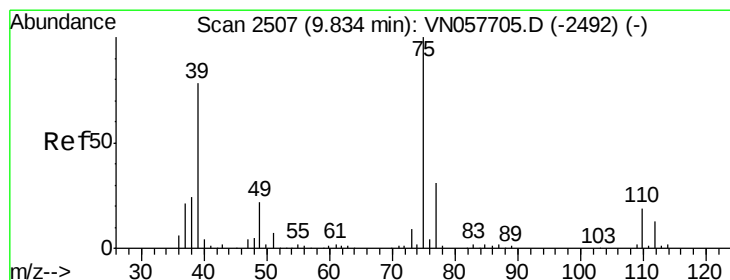
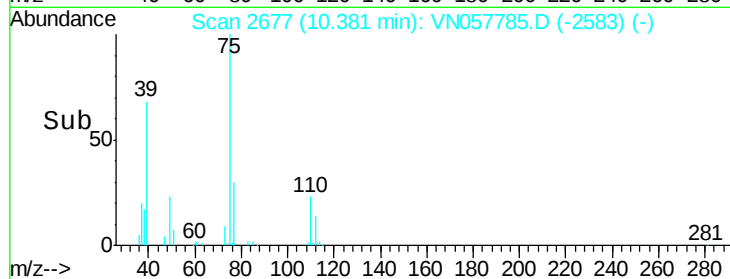
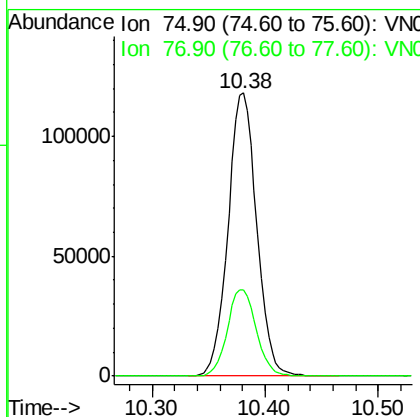
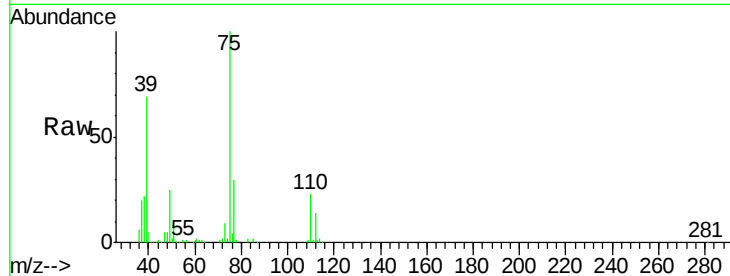
#53
t-1,3-Dichloropropene
Concen: 45.853 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.1	37.7

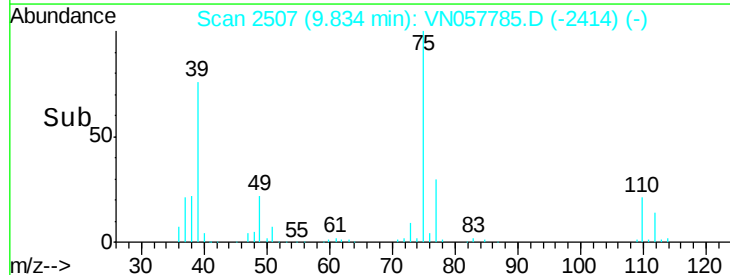
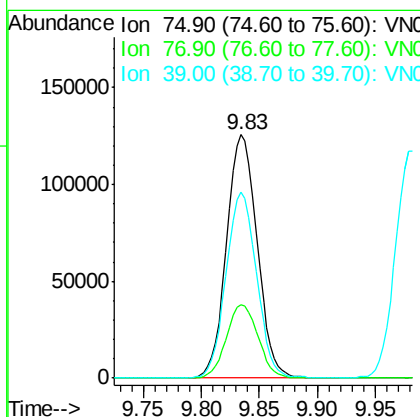
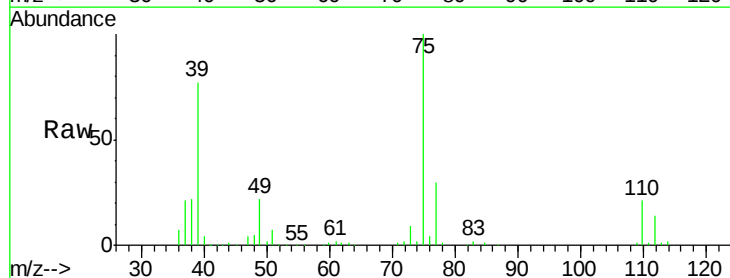
Manual Integrations
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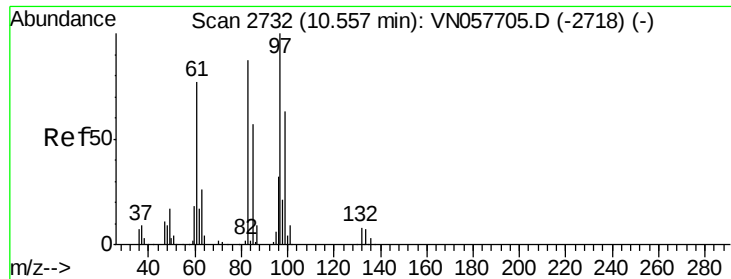
MMDadoda
9/10/2019 3:02:40 PM



#54
cis-1,3-Dichloropropene
Concen: 46.879 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.1	37.7
39	76.7	62.4	93.6





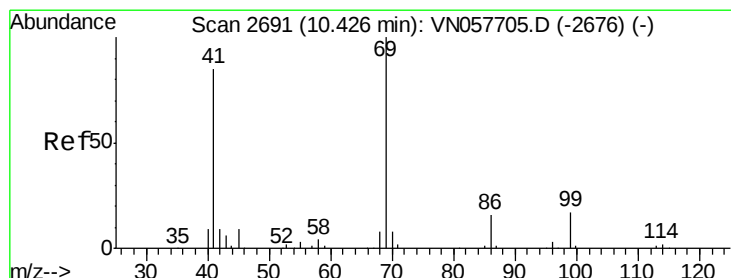
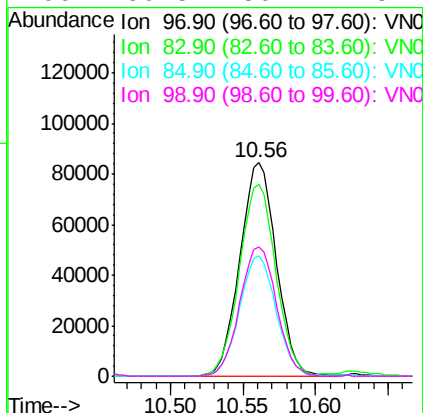
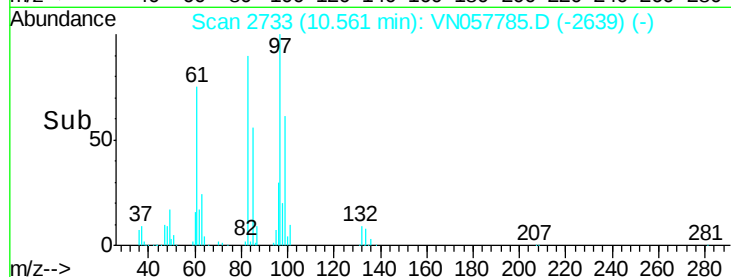
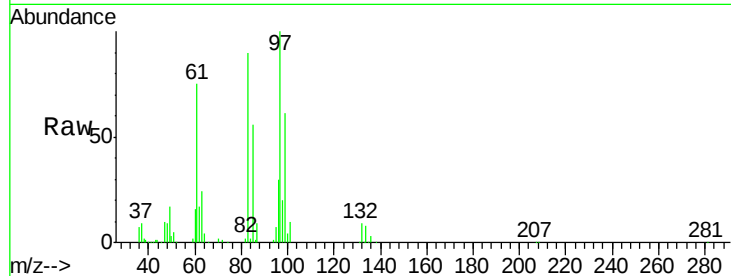
#55
 1,1,2-Trichloroethane
 Concen: 51.349 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	148258
Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.5	104.3
85	56.1	45.7	68.5
99	60.5	50.2	75.4

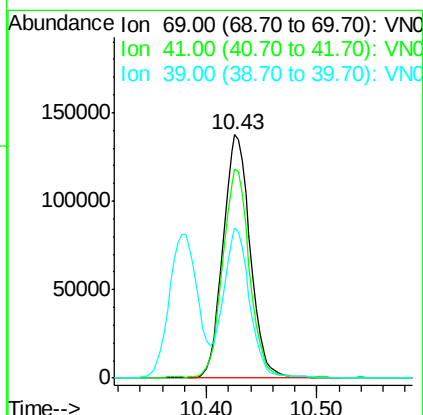
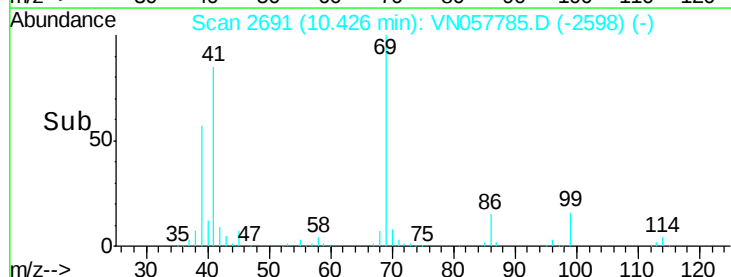
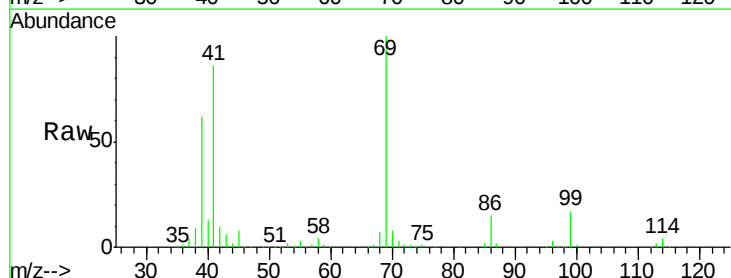
Manual Integrations
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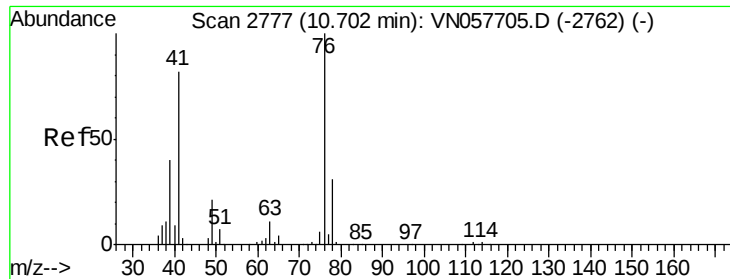
MMDadoda
 9/10/2019 3:02:40 PM



#56
 Ethyl methacrylate
 Concen: 50.991 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion:	69	Resp:	234985
Ion	Ratio	Lower	Upper
69	100		
41	82.9	69.0	103.4
39	58.5	49.2	73.8





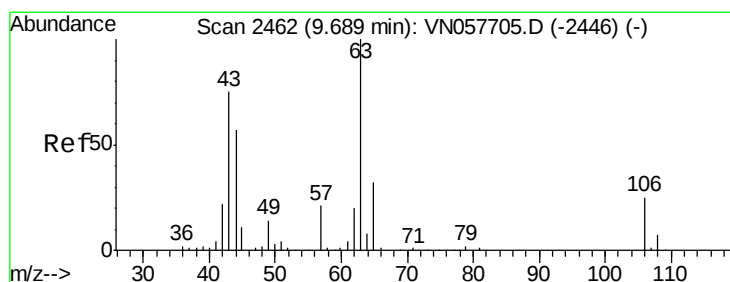
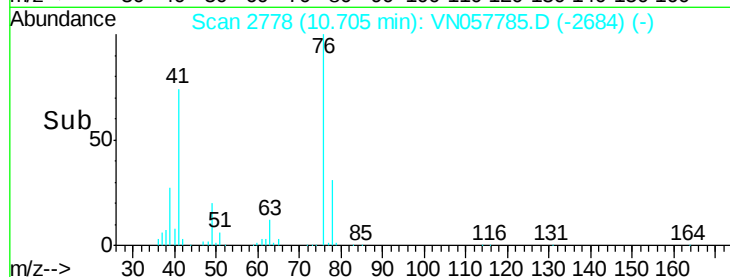
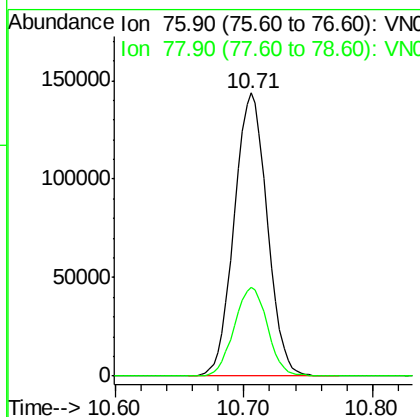
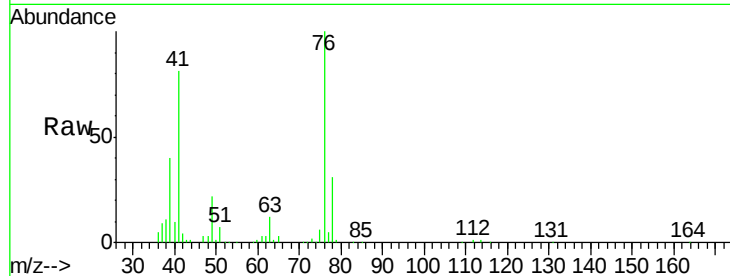
#57
 1,3-Dichloropropane
 Concen: 49.281 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 255591
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

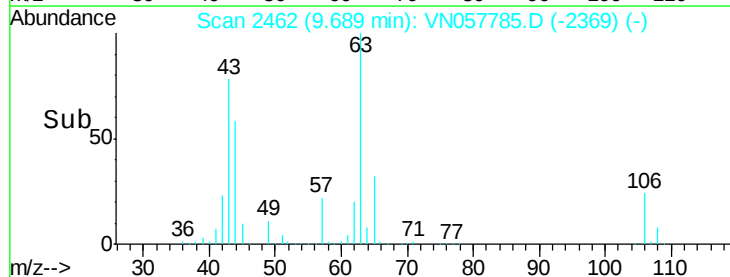
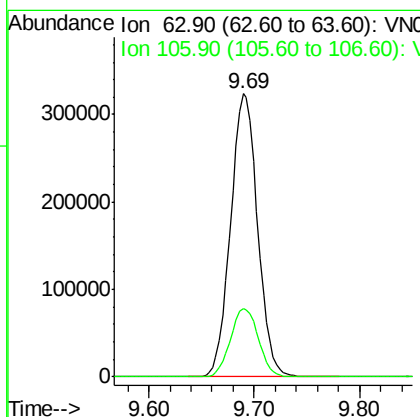
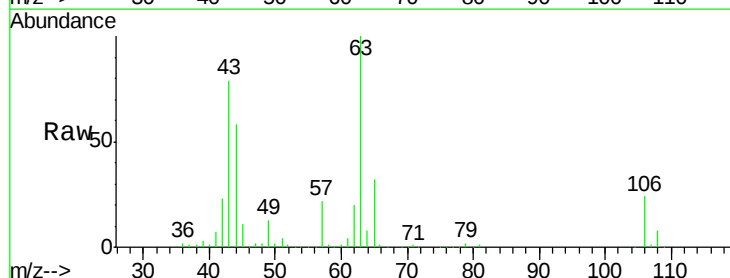
Manual Integrations
 APPROVED

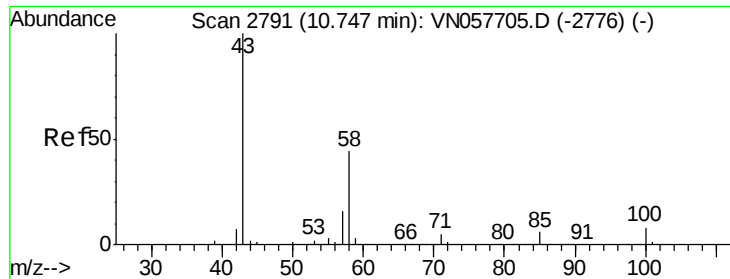
MMDadoda
 9/10/2019 3:02:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.094 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 63 Resp: 573034
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.4 29.2





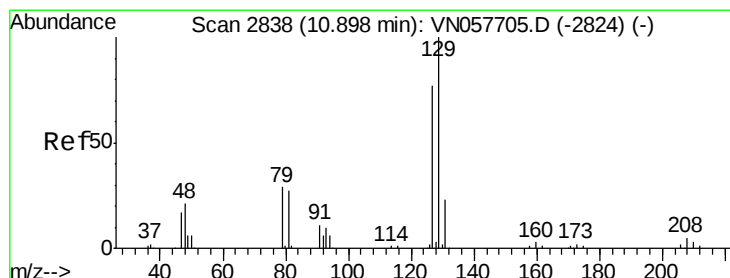
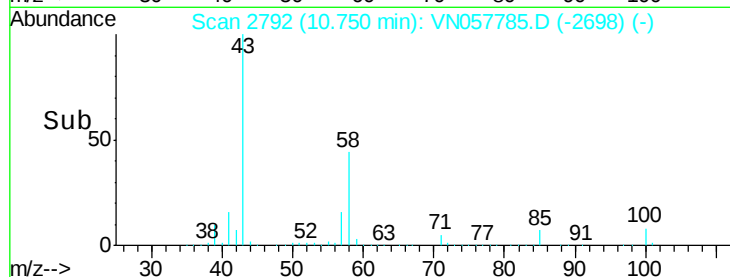
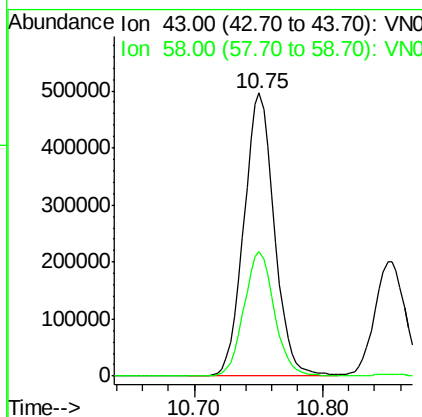
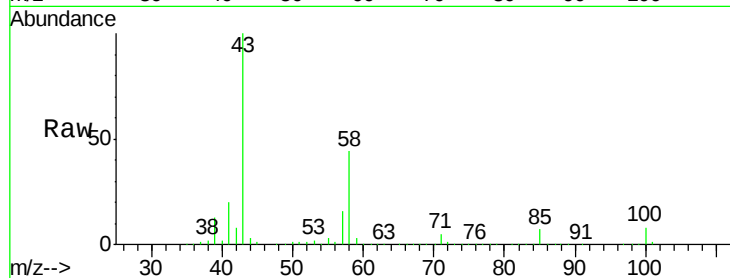
#59
2-Hexanone
Concen: 260.876 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 814730
Ion Ratio Lower Upper
43 100
58 44.2 22.1 66.5

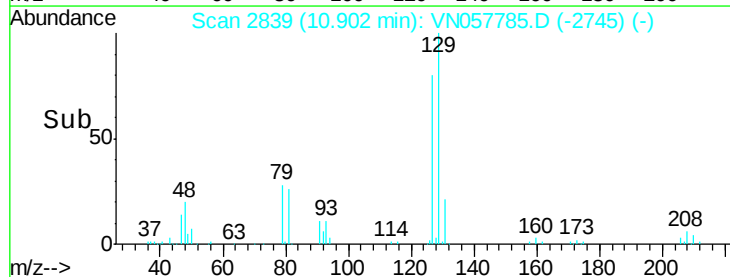
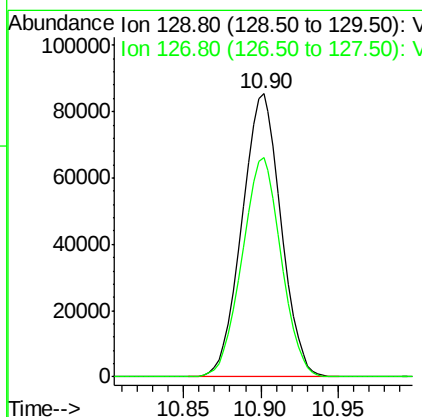
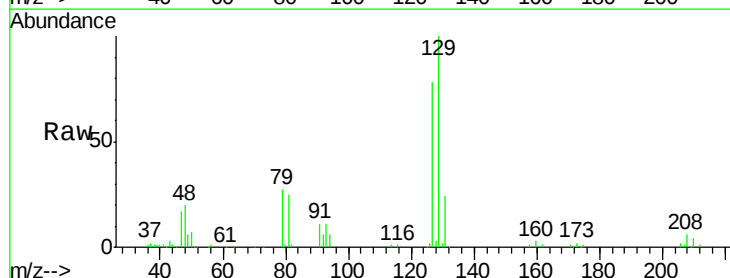
Manual Integrations
APPROVED

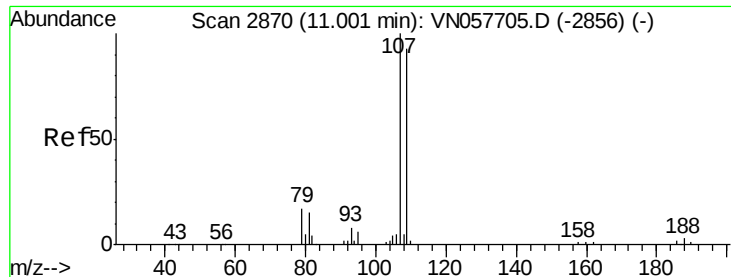
MMDadoda
9/10/2019 3:02:40 PM



#60
Dibromochloromethane
Concen: 48.337 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 129 Resp: 150289
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 52.607 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 145815

Ion Ratio Lower Upper

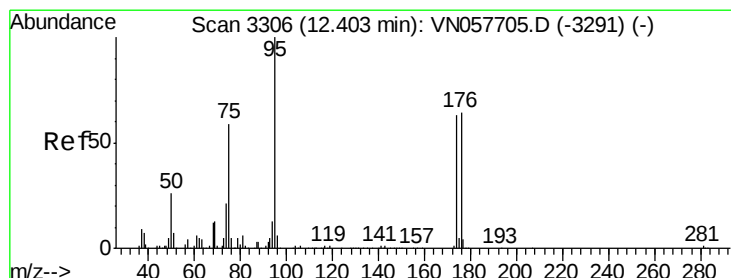
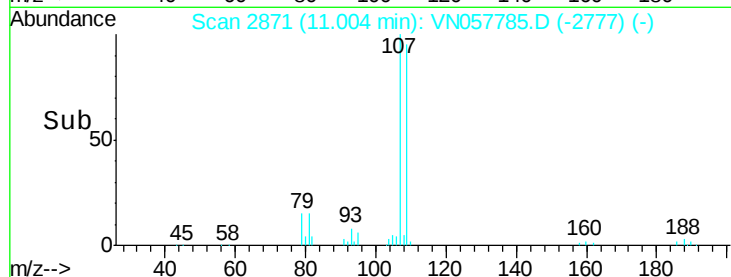
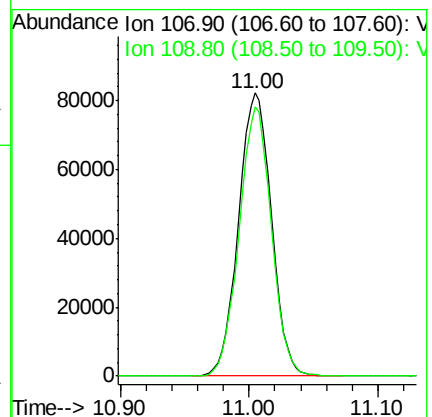
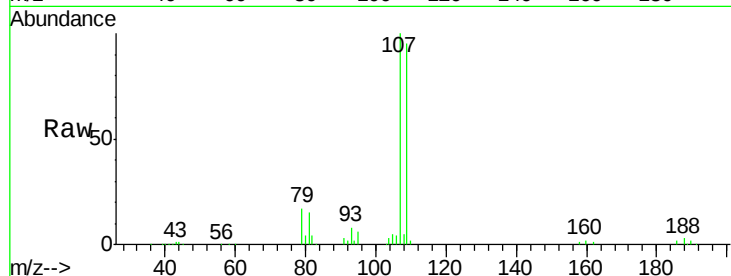
107 100

109 93.3 74.6 112.0

Manual Integrations
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MMDadoda

9/10/2019 3:02:40 PM



#62

4-Bromofluorobenzene

Concen: 49.173 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

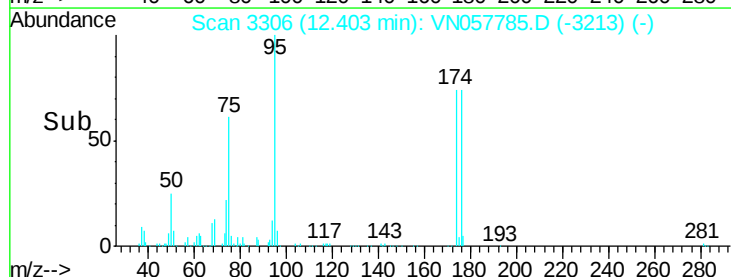
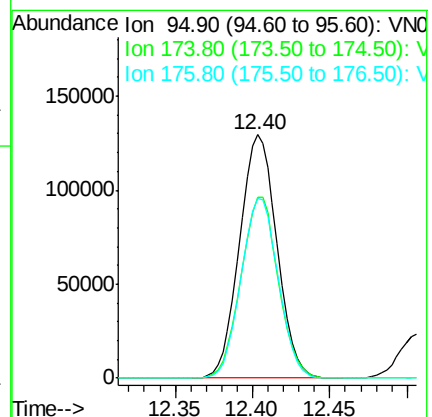
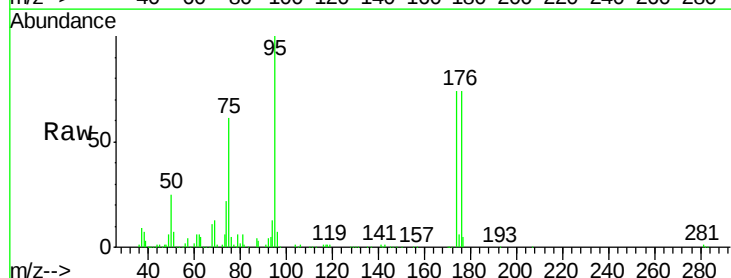
Tgt Ion: 95 Resp: 216488

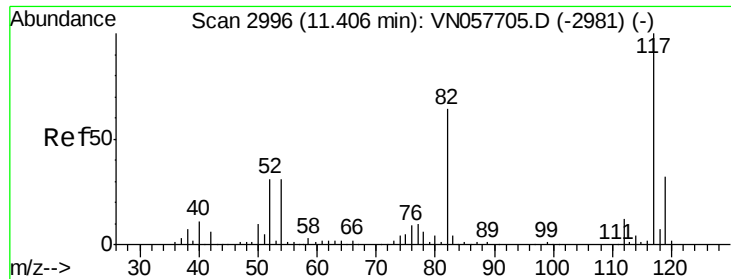
Ion Ratio Lower Upper

95 100

174 74.8 0.0 128.0

176 73.9 0.0 128.0





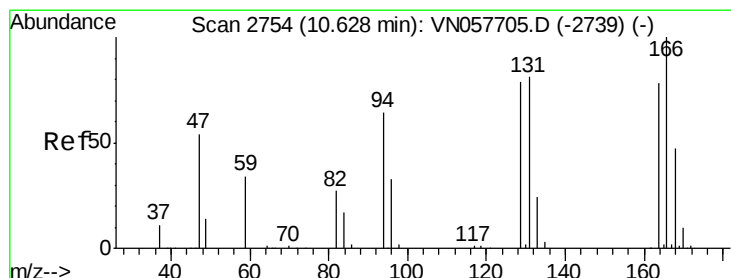
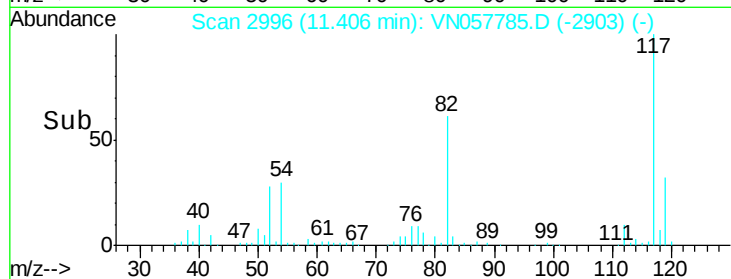
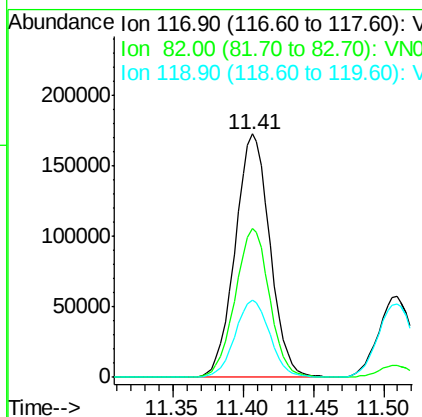
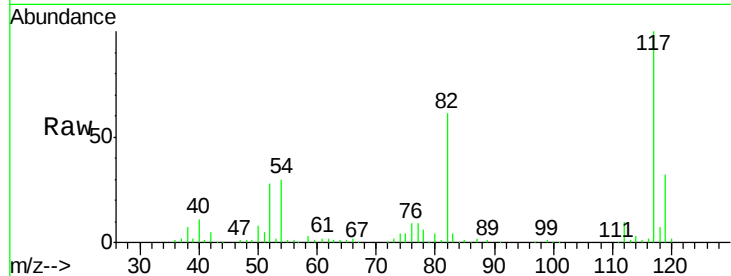
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297697		
82	61.2	51.4	77.0	
119	31.6	25.4	38.2	

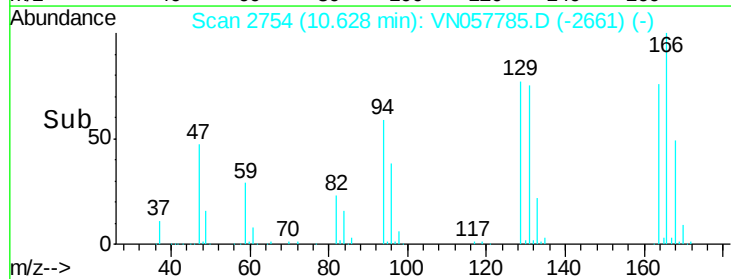
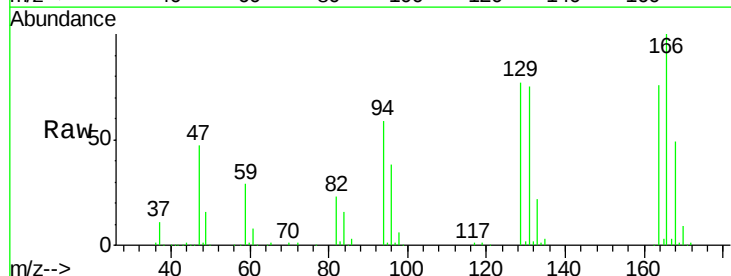
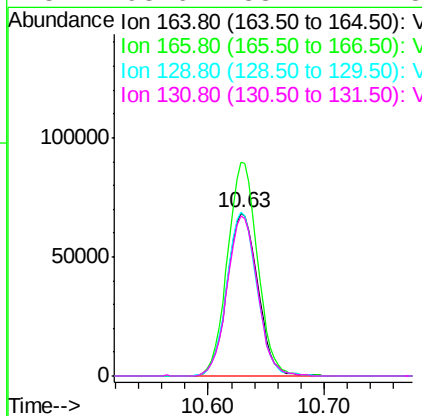
Manual Integrations
APPROVED

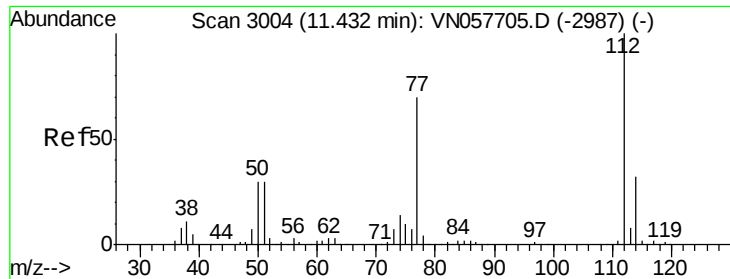
MMDadoda
9/10/2019 3:02:40 PM



#64
Tetrachloroethene
Concen: 54.114 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125595		
166	131.2	103.0	154.6	
129	100.4	81.1	121.7	
131	98.6	83.2	124.8	





#65

Chlorobenzene

Concen: 49.906 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 387550

Ion Ratio Lower Upper

112 100

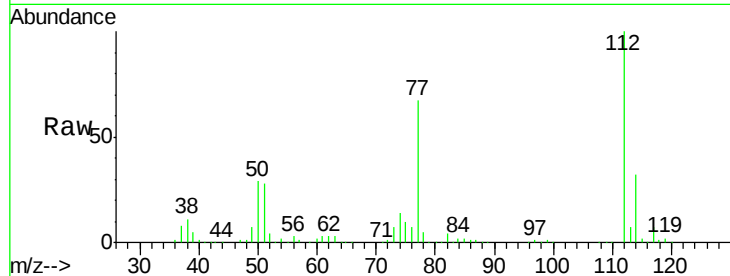
114 32.4 25.8 38.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

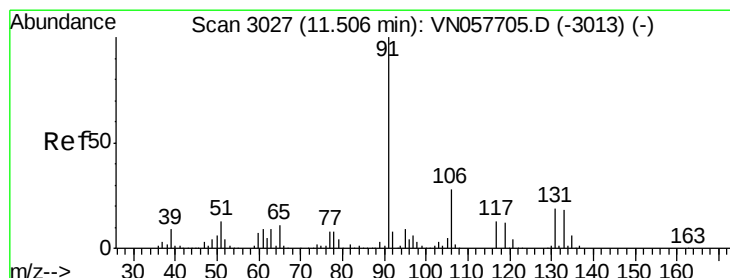
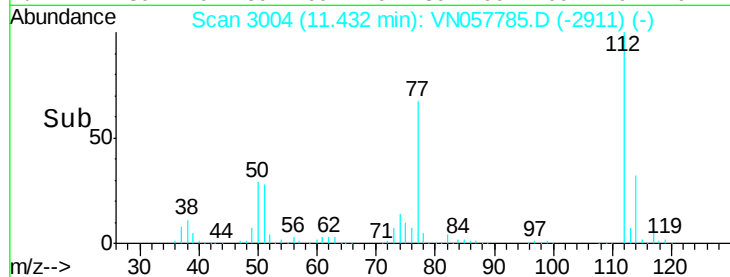
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.674 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

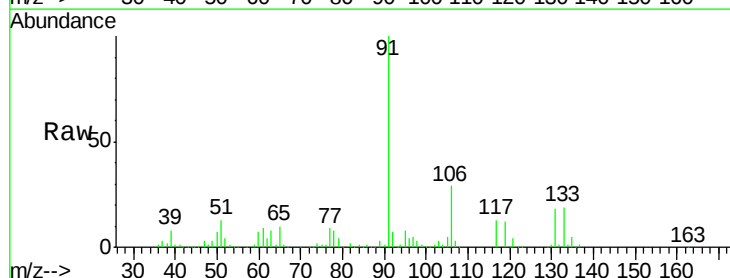
Tgt Ion:131 Resp: 145033

Ion Ratio Lower Upper

131 100

133 97.9 47.6 142.9

119 63.2 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

11.51

100000

80000

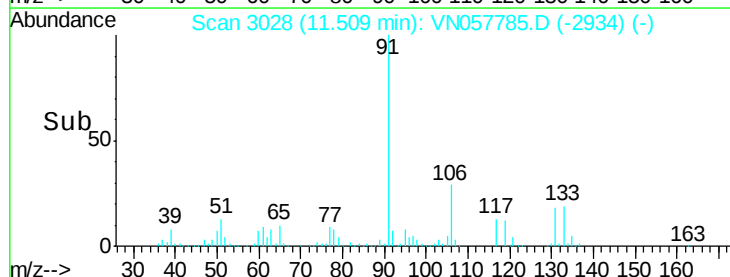
60000

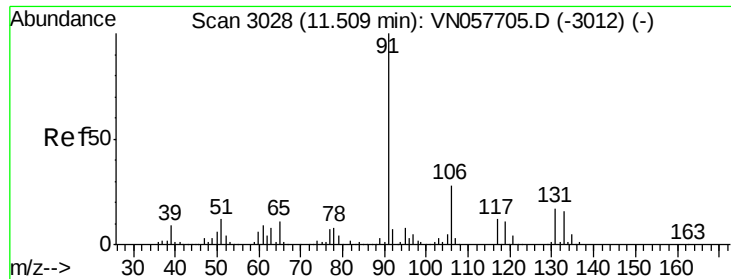
40000

20000

0

Time-->





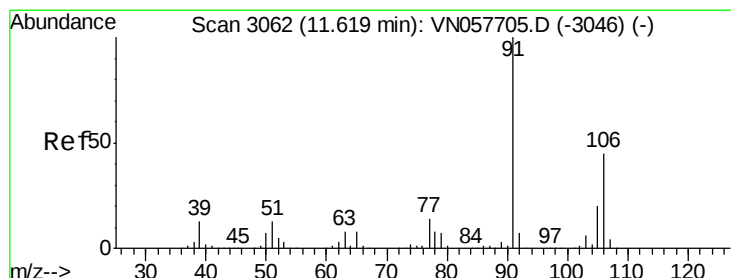
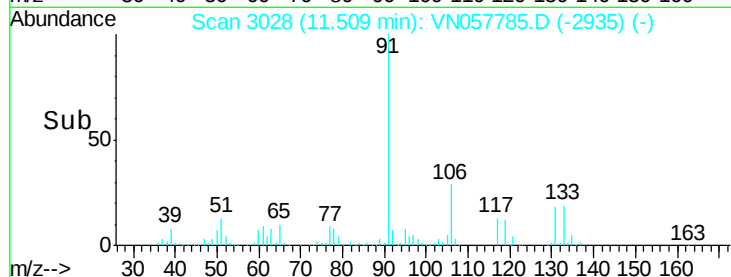
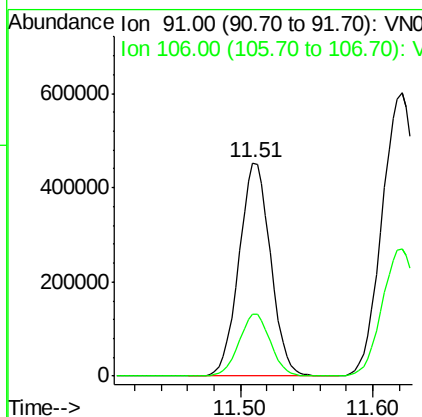
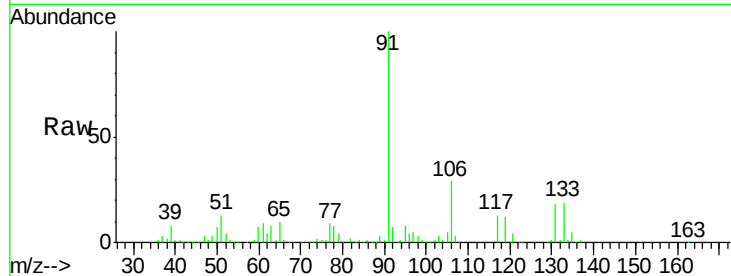
#67
Ethyl Benzene
Concen: 50.067 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion: 91 Resp: 750155
Ion Ratio Lower Upper
91 100
106 29.0 22.8 34.2

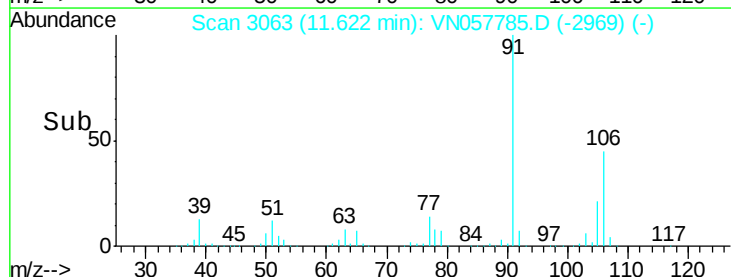
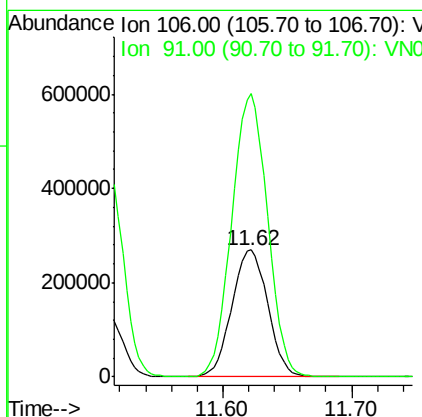
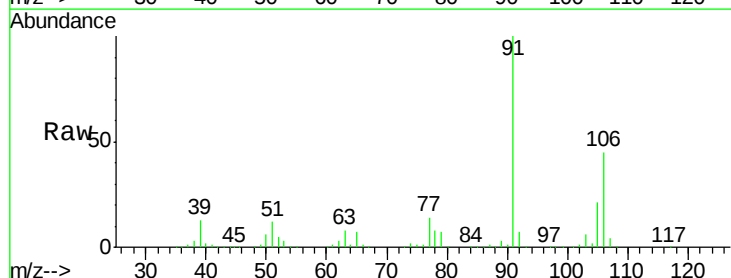
Manual Integrations
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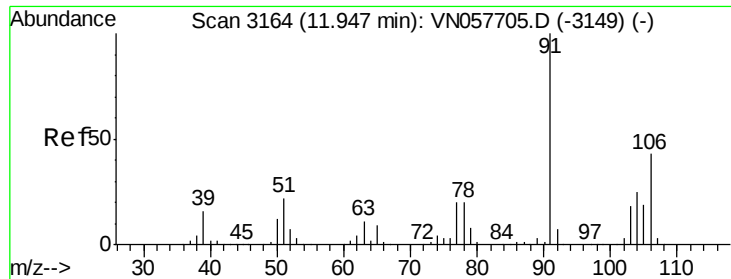
MMDadoda
9/10/2019 3:02:40 PM



#68
m/p-Xylenes
Concen: 100.971 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 106 Resp: 521075
Ion Ratio Lower Upper
106 100
91 222.0 179.8 269.8





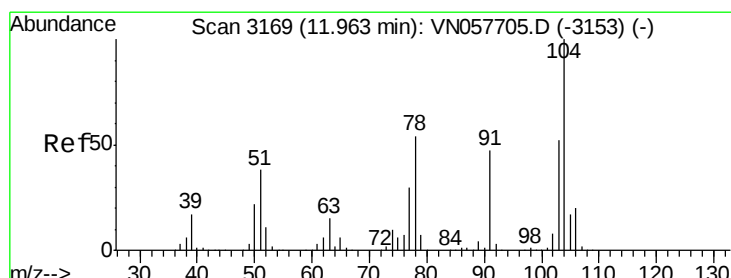
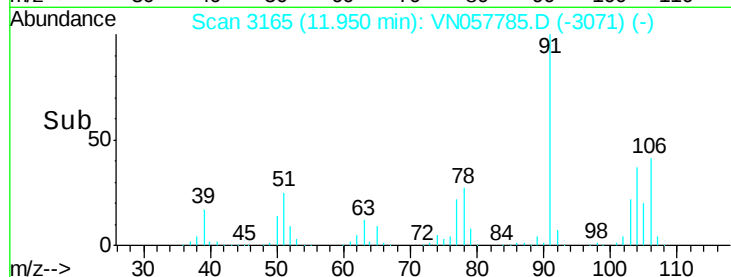
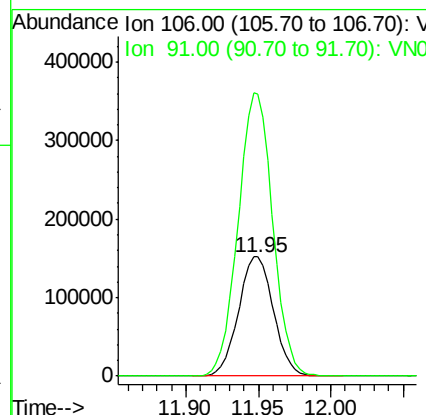
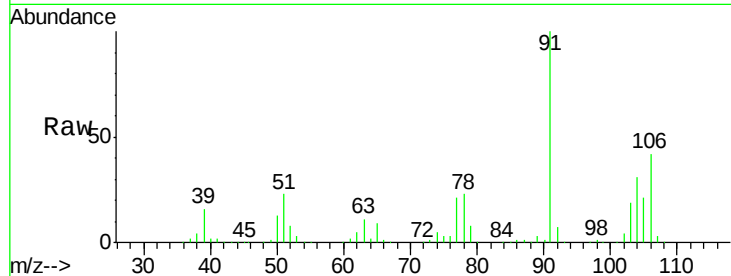
#69
o-Xylene
Concen: 49.799 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 254472
Ion Ratio Lower Upper
106 100
91 234.1 116.8 350.4

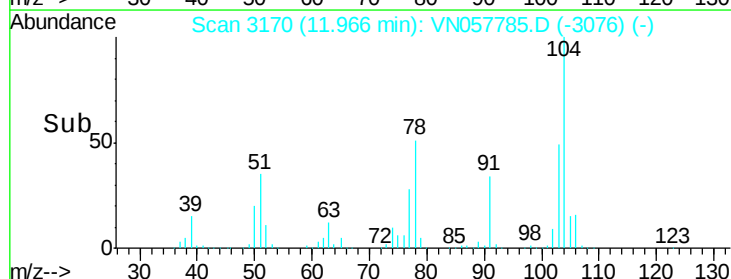
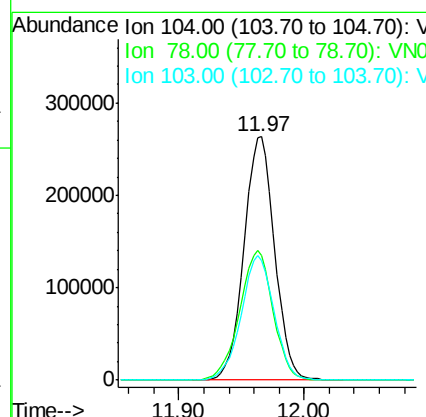
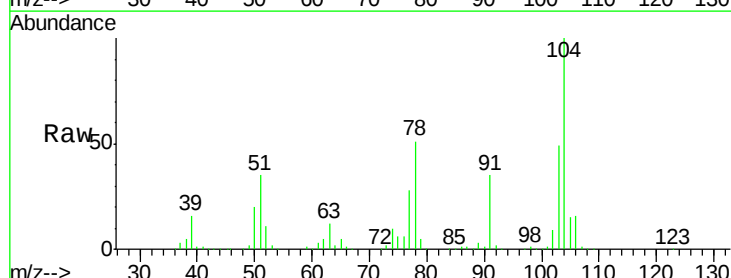
Manual Integrations
APPROVED

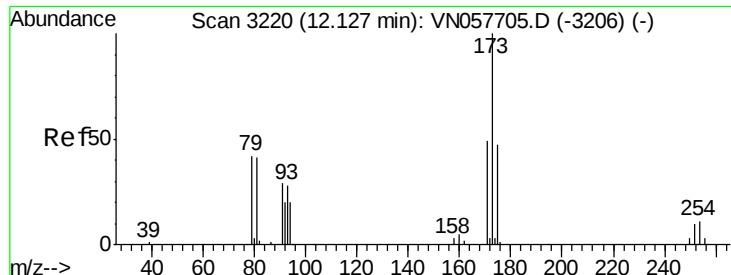
MMDadoda
9/10/2019 3:02:40 PM



#70
Styrene
Concen: 50.586 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion:104 Resp: 447271
Ion Ratio Lower Upper
104 100
78 58.2 48.5 72.7
103 54.7 45.0 67.4





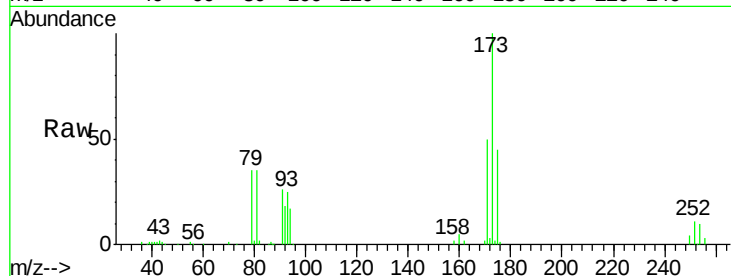
#71
Bromoform
Concen: 48.574 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	73.8
254	0.0	0.0	0.0

Manual Integrations
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9/10/2019 3:02:40 PM

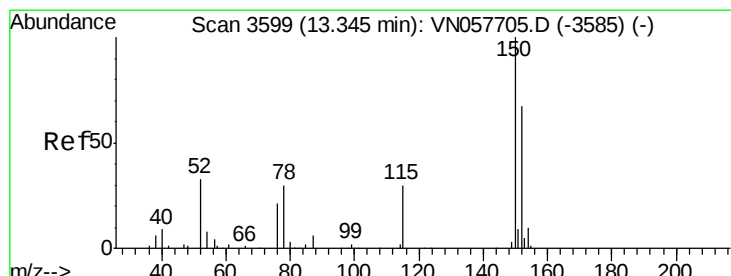
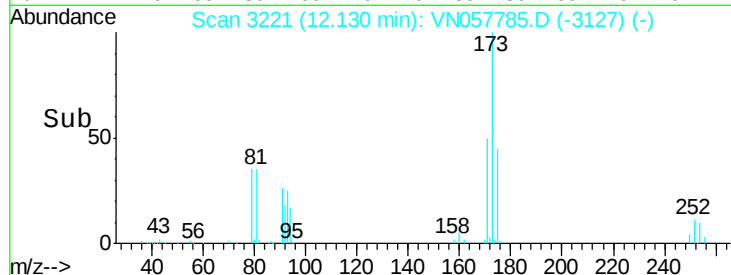
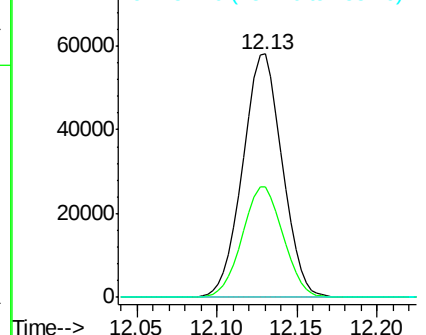


Abundance

Ion 172.70 (172.40 to 173.40): V

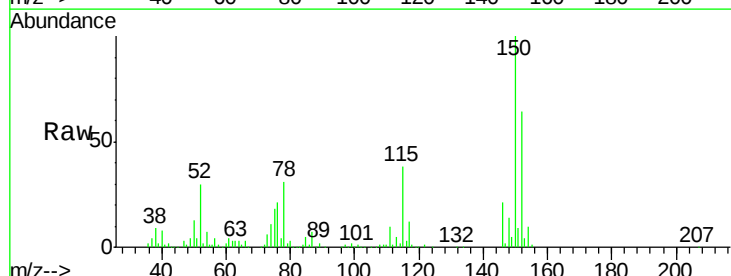
Ion 174.70 (174.40 to 175.40): V

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: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	33.8	101.3
150	173.2	0.0	345.4

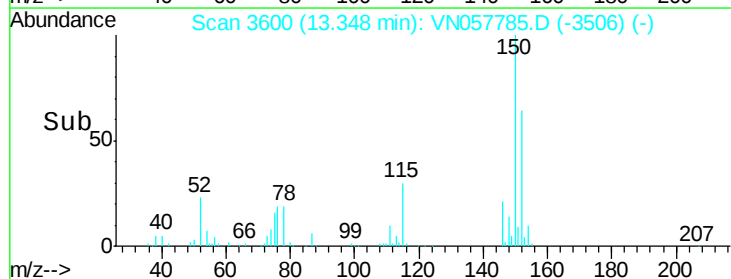
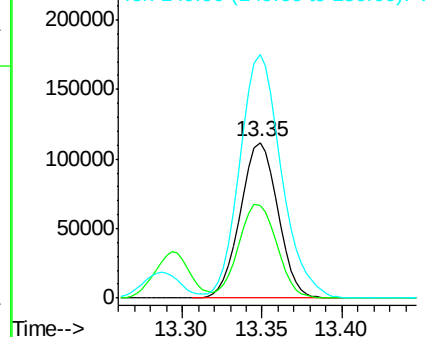


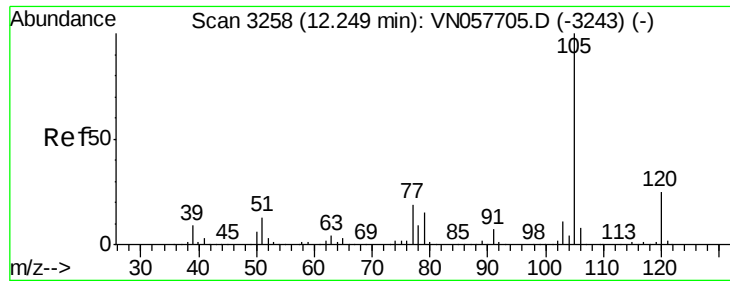
Abundance

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: 46.186 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 730150

Ion Ratio Lower Upper

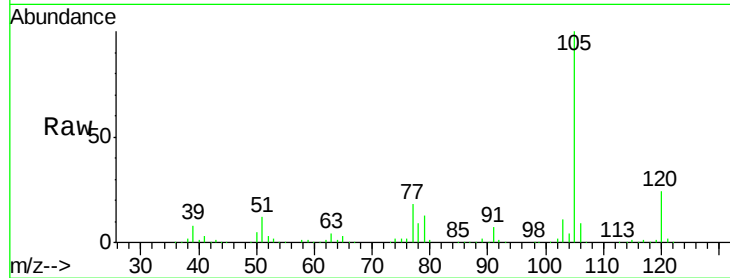
105 100

120 24.8 12.2 36.6

Manual Integrations
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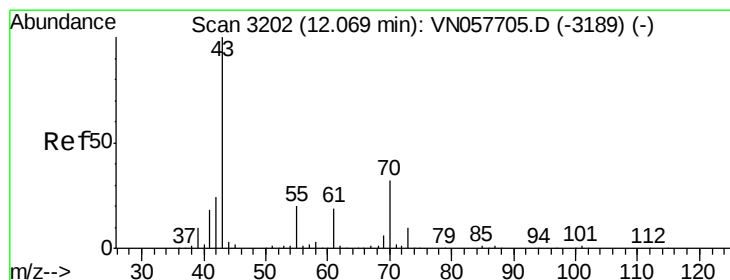
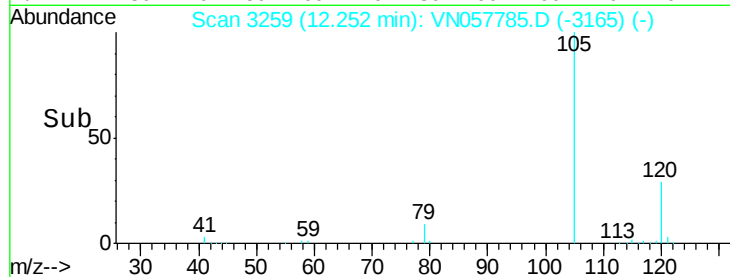
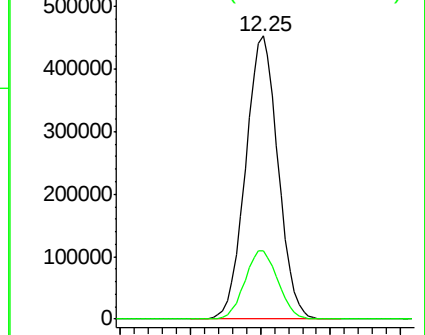
MMDadoda

9/10/2019 3:02:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.630 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Tgt Ion: 43 Resp: 352446

Ion Ratio Lower Upper

43 100

70 32.4 26.1 39.1

55 20.8 16.3 24.5

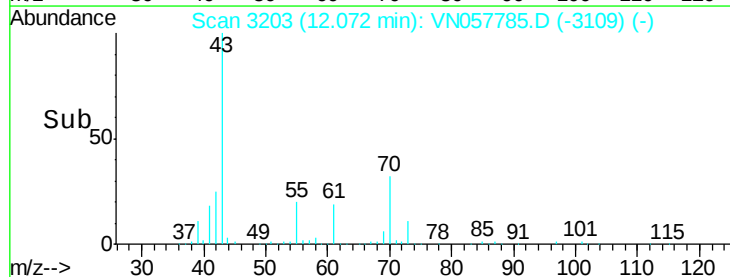
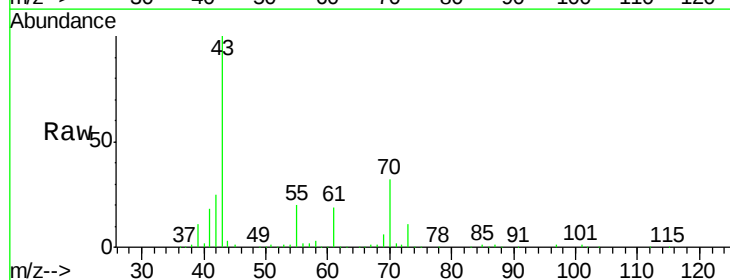
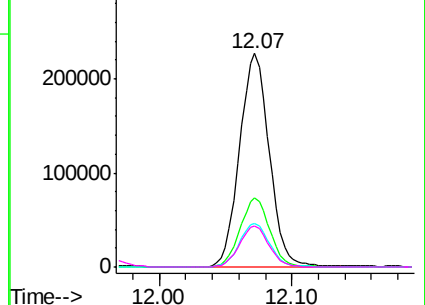
61 19.0 15.0 22.4

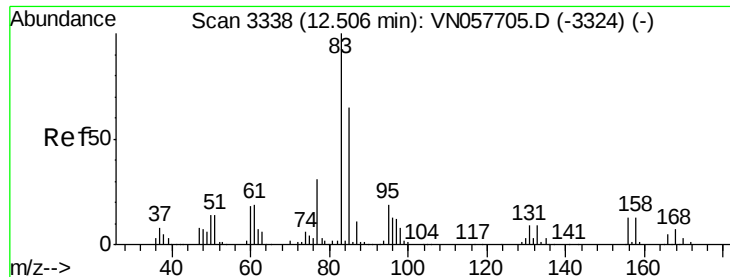
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.923 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

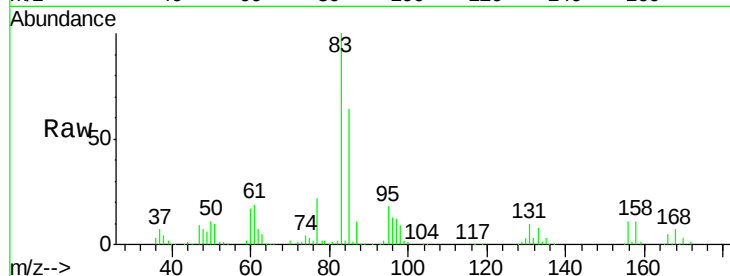
ClientSampleId :

VSTDCCC050EC

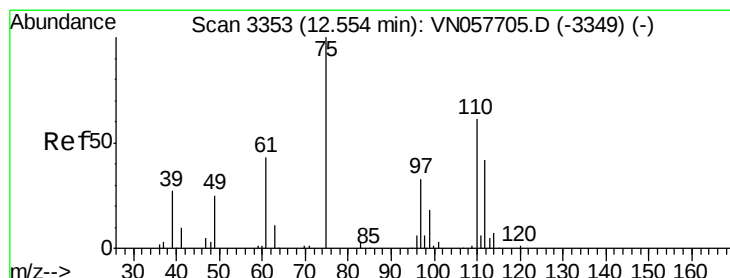
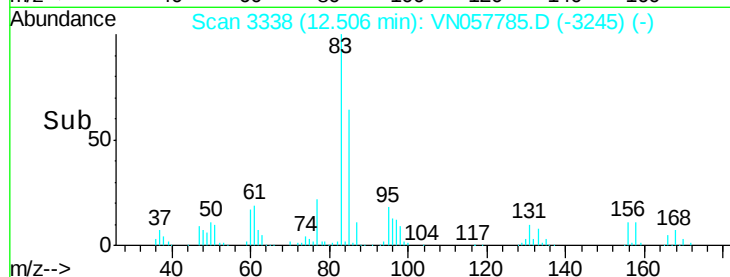
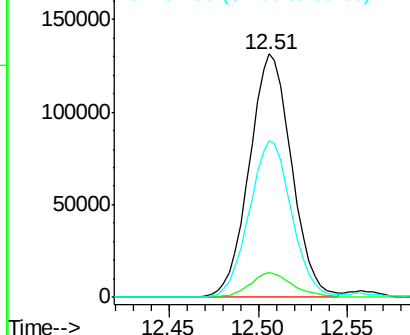
Tot Ion:	83	Resp:	217697
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.5	13.5
85	64.4	31.8	95.3

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 47.329 ug/l m

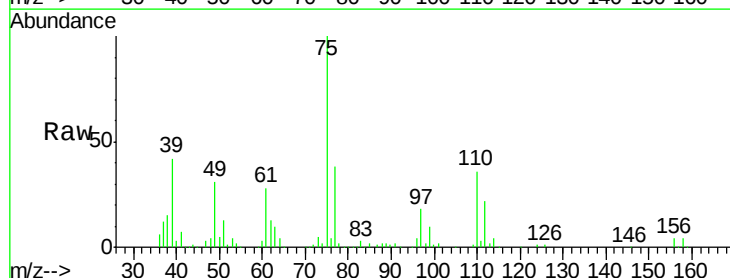
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

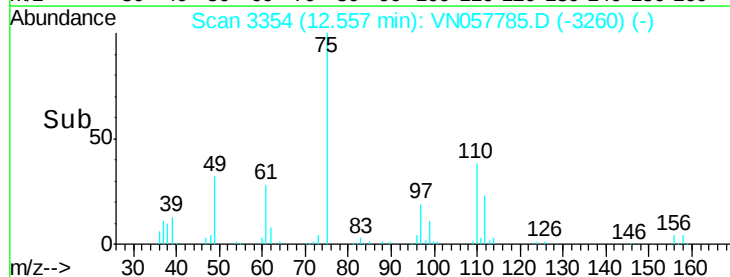
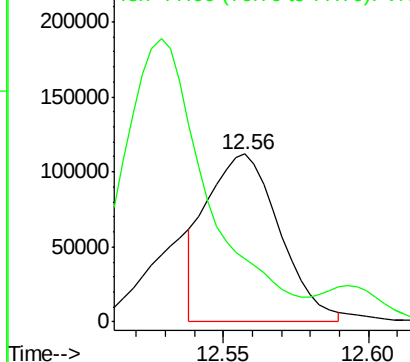
Lab File: VN057785.D

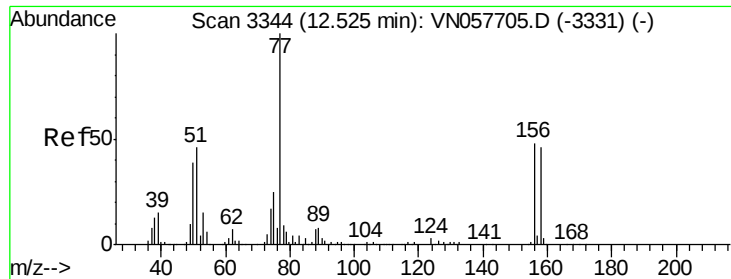
Acq: 8 Sep 2019 3:57

Tgt Ion:	75	Resp:	194346
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.571 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 173684

Ion Ratio Lower Upper

156 100

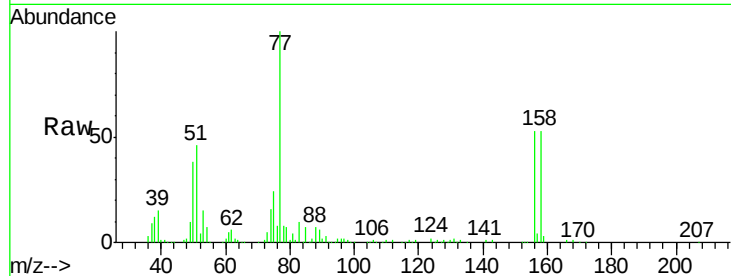
77 220.8 125.4 376.2

158 97.6 49.3 147.9

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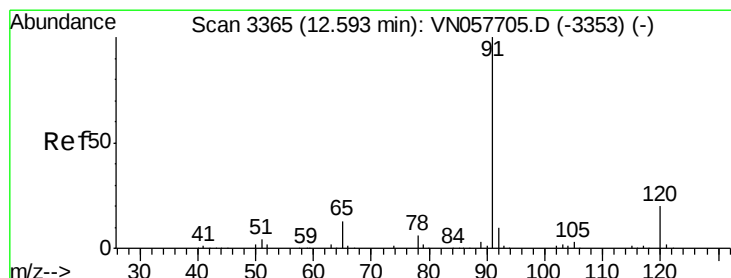
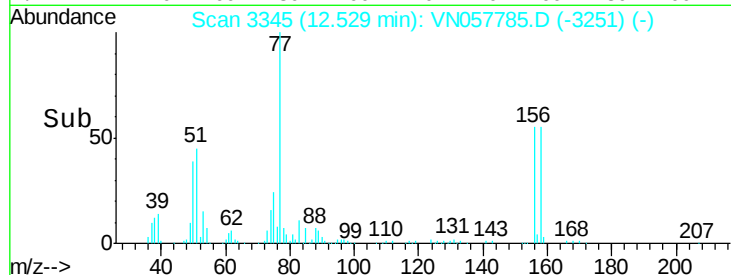
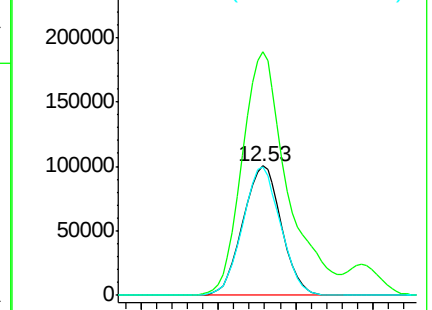
9/10/2019 3:02:40 PM



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: 46.165 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057785.D

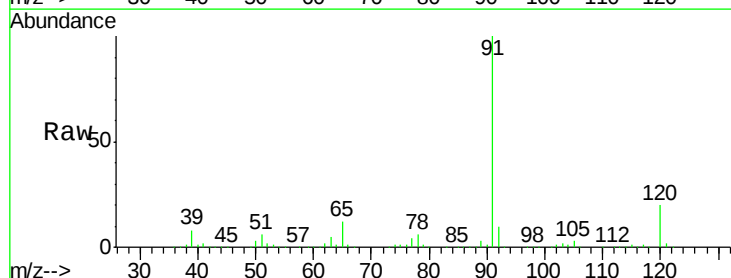
Acq: 8 Sep 2019 3:57

Tgt Ion: 91 Resp: 867078

Ion Ratio Lower Upper

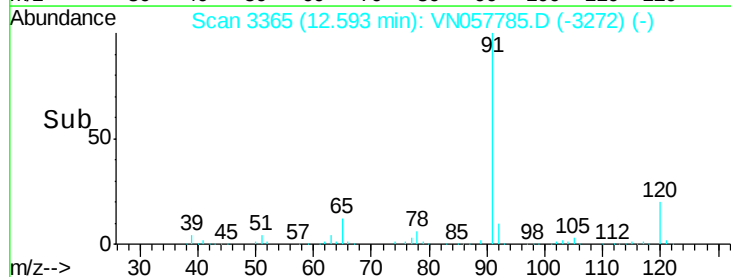
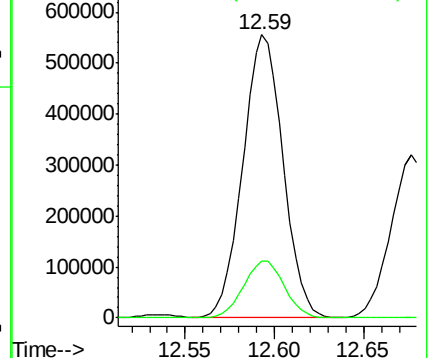
91 100

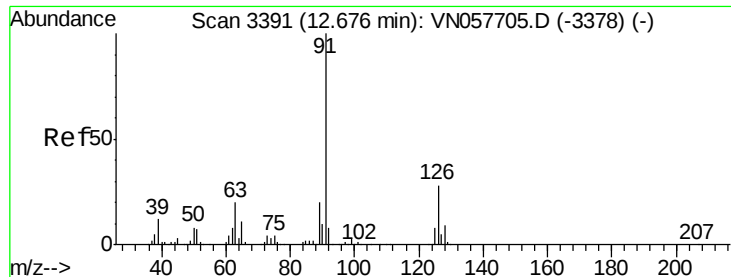
120 20.6 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.912 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 513533

Ion Ratio Lower Upper

91 100

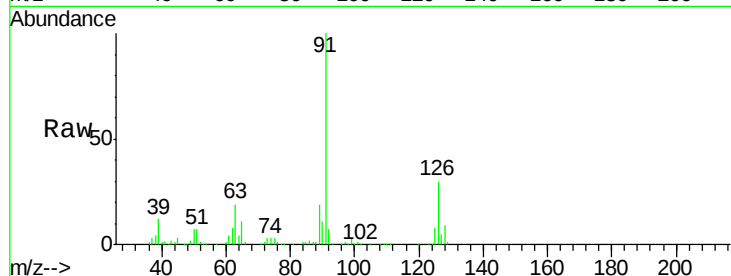
126 31.1 14.5 43.5

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

Ion 125.90 (125.60 to 126.60): VN057705.D (-3378) (-)

12.68

300000

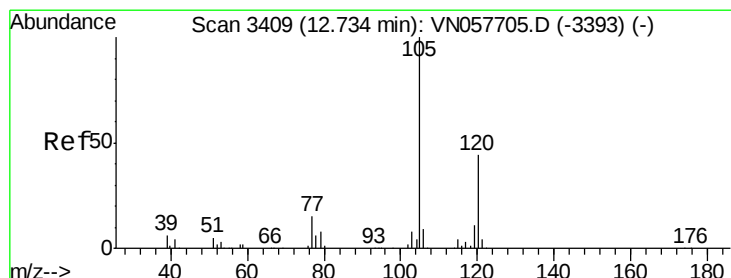
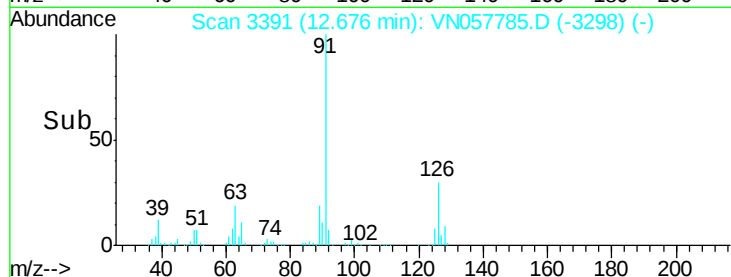
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.977 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057785.D

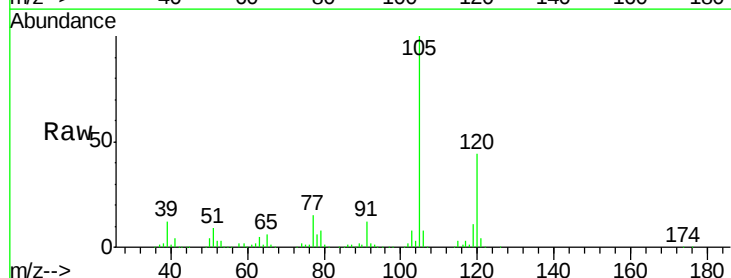
Acq: 8 Sep 2019 3:57

Tgt Ion: 105 Resp: 630869

Ion Ratio Lower Upper

105 100

120 44.7 22.3 66.8



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

Ion 120.00 (119.70 to 120.70): VN057705.D (-3393) (-)

12.74

400000

300000

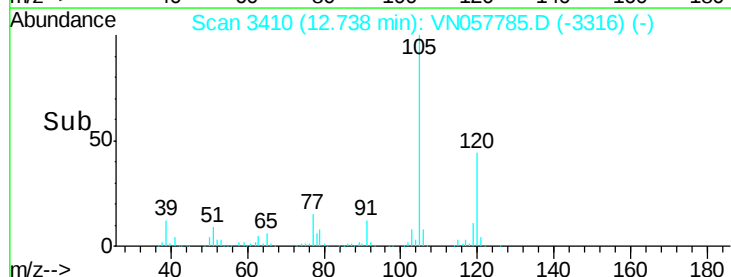
200000

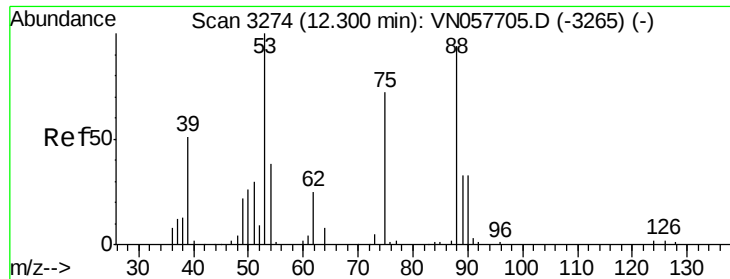
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 35.571 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 46966

Ion Ratio Lower Upper

75 100

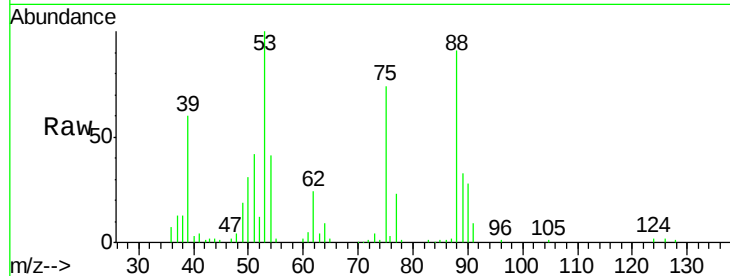
53 140.7 107.0 160.6

89 48.0 36.5 54.7

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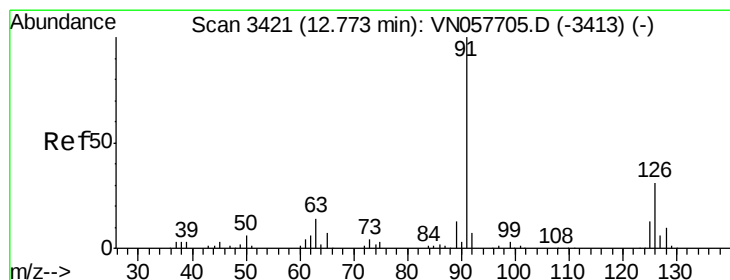
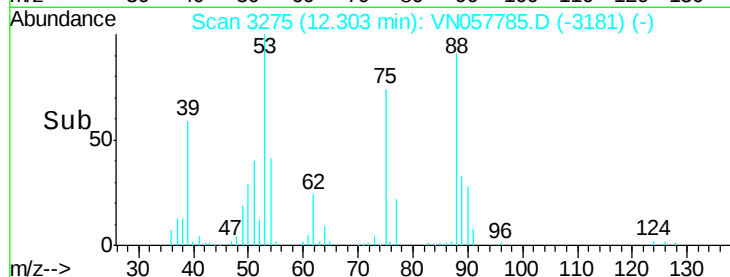
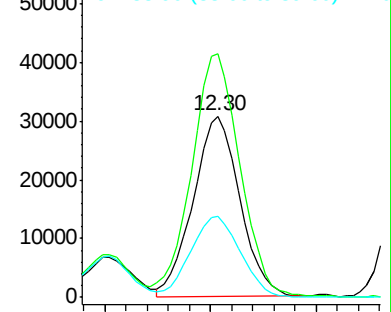
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Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057705.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057705.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 45.361 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057785.D

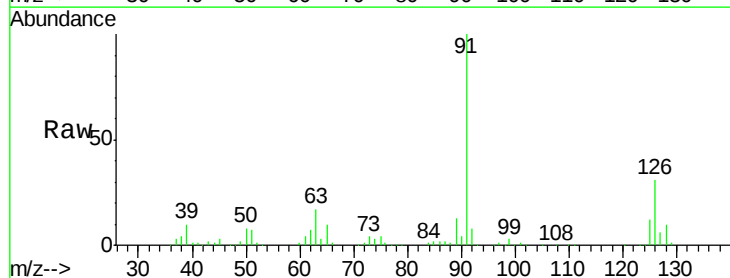
Acq: 8 Sep 2019 3:57

Tgt Ion: 91 Resp: 534172

Ion Ratio Lower Upper

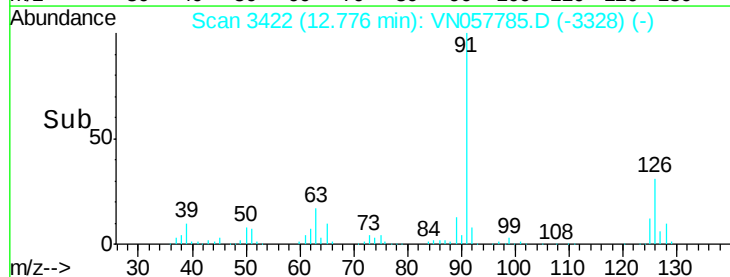
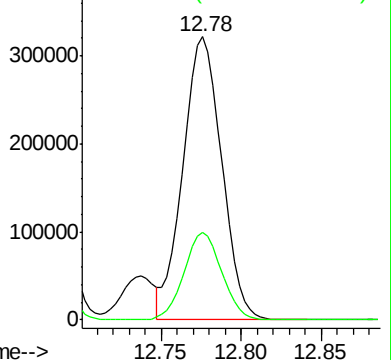
91 100

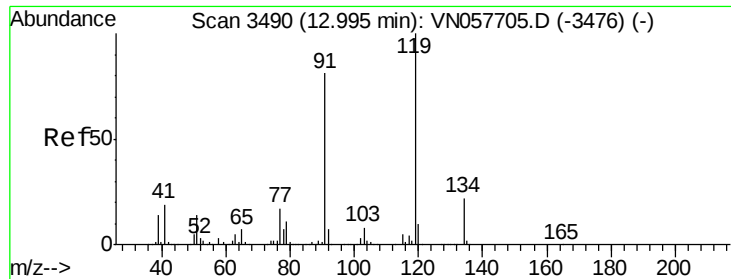
126 30.1 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN057705.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN057705.D (-3413) (-)





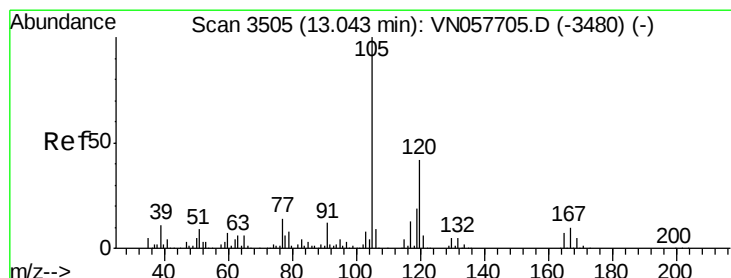
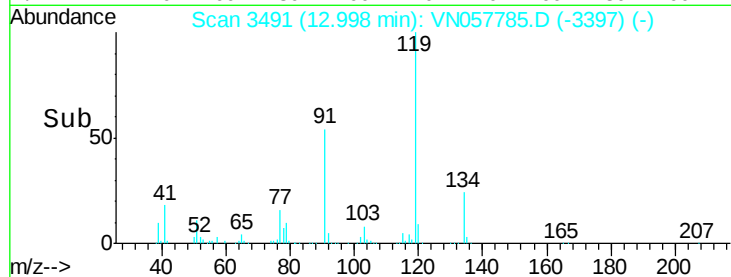
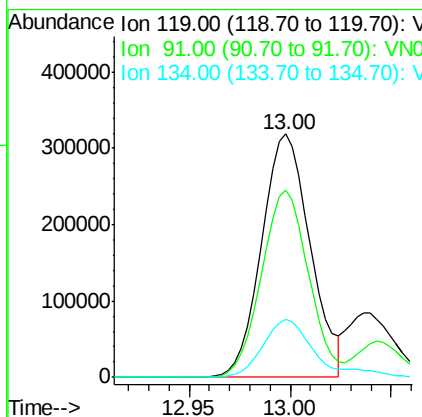
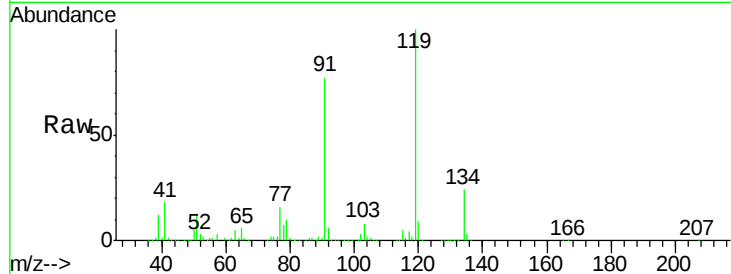
#83
 tert-Butylbenzene
 Concen: 47.199 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.9	39.6	118.8
134	25.5	11.3	33.8

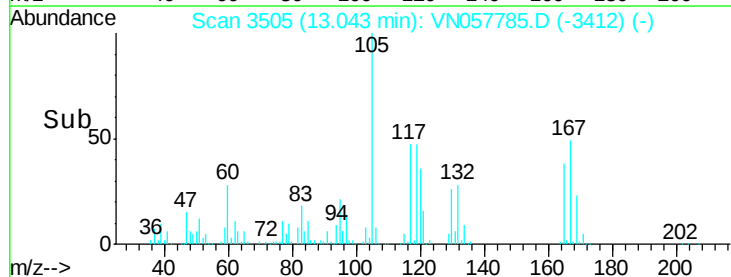
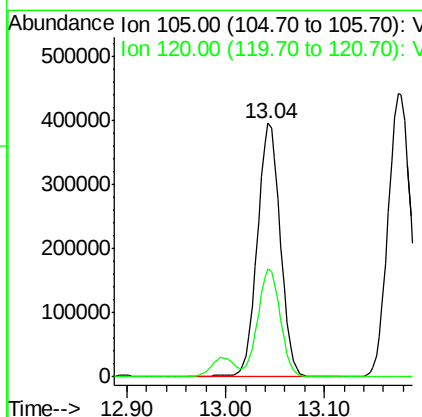
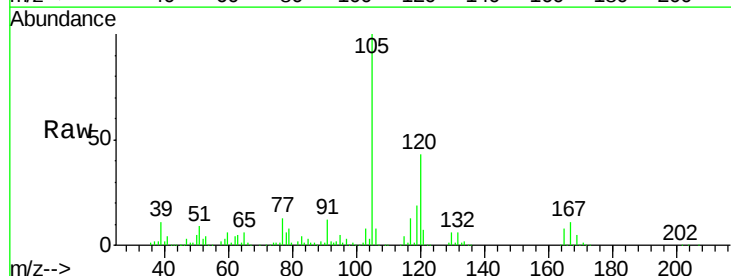
Manual Integrations
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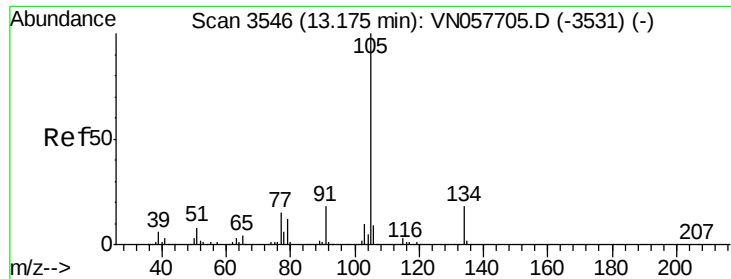
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.640 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.6	20.8	62.5





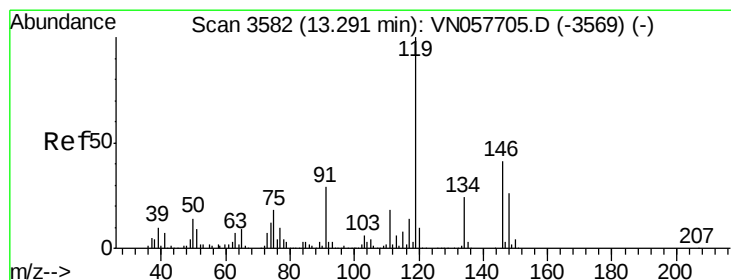
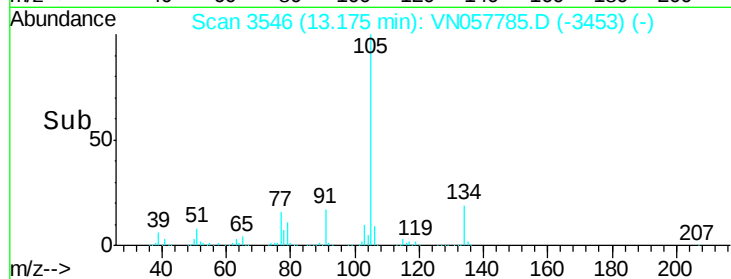
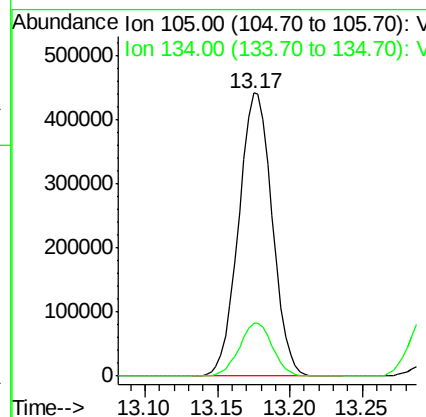
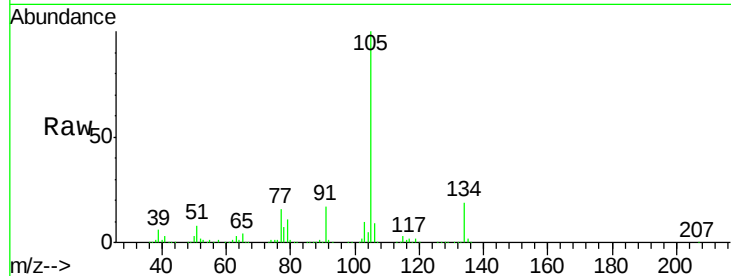
#85
 sec-Butylbenzene
 Concen: 45.354 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	707377		
134	18.6	8.8	26.5	

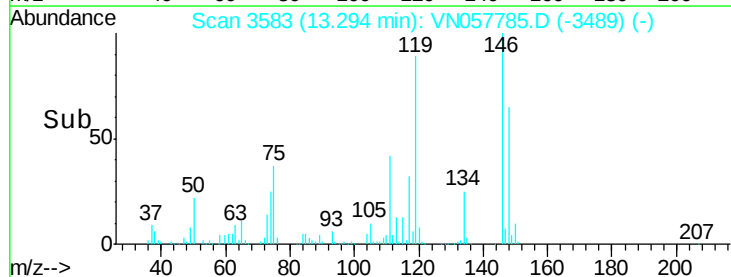
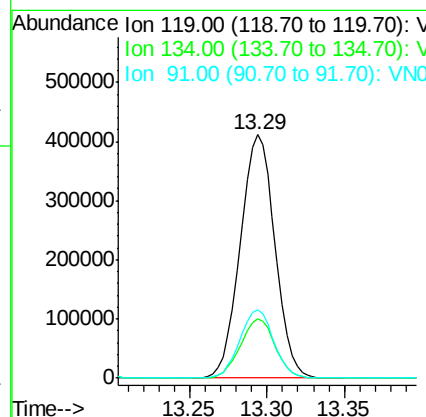
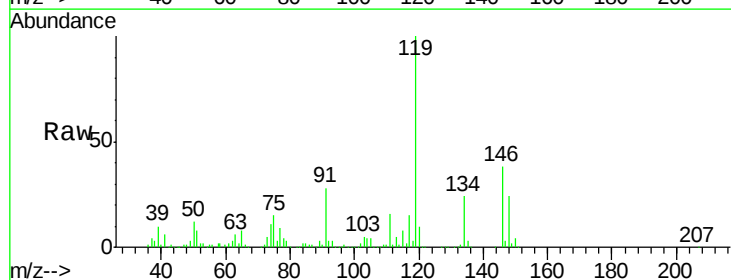
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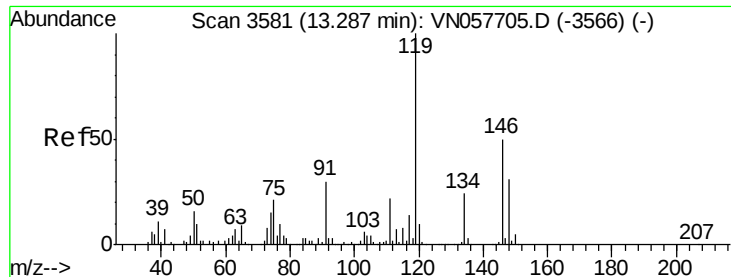
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 9/10/2019 3:02:40 PM



#86
 p-Isopropyltoluene
 Concen: 48.236 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	637599		
134	24.4	12.4	37.0	
91	27.4	14.8	44.3	





#87

1,3-Dichlorobenzene

Concen: 49.078 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

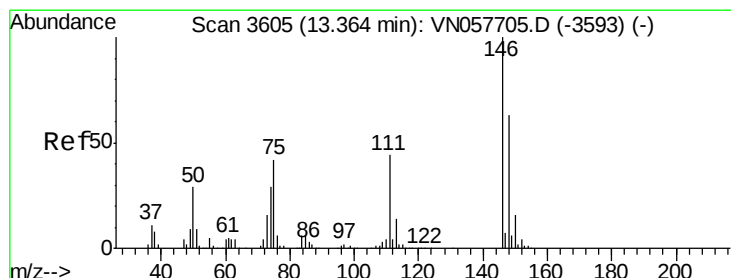
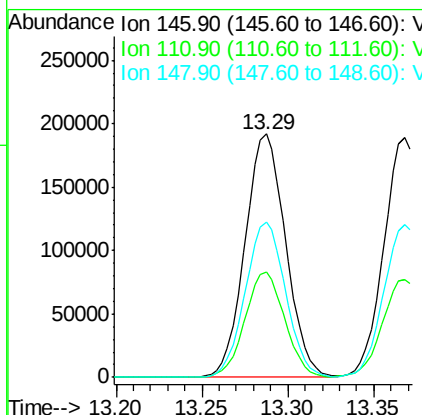
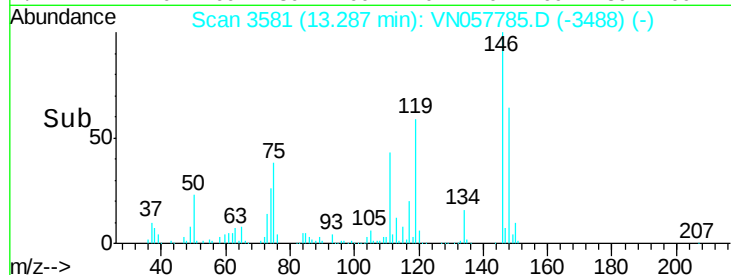
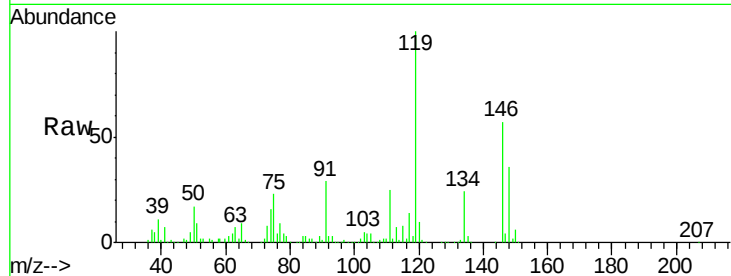
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	315106
Ion Ratio	Lower	Upper	
146	100		
111	42.1	22.3	66.8
148	63.2	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.188 ug/l

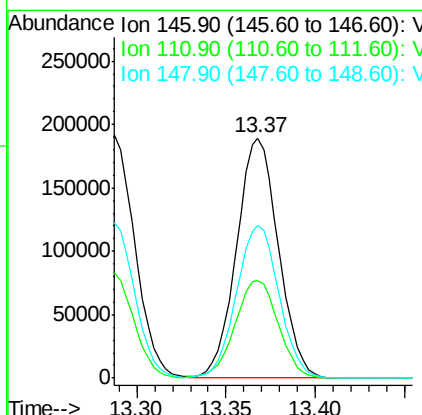
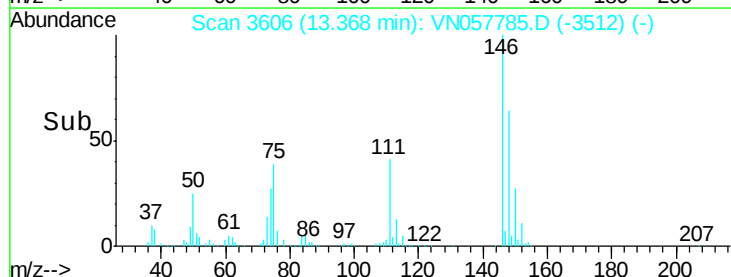
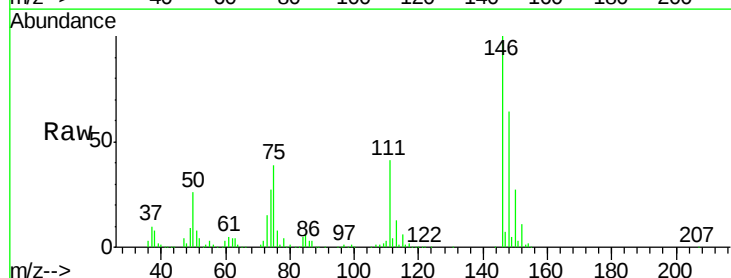
RT: 13.37 min Scan# 3606

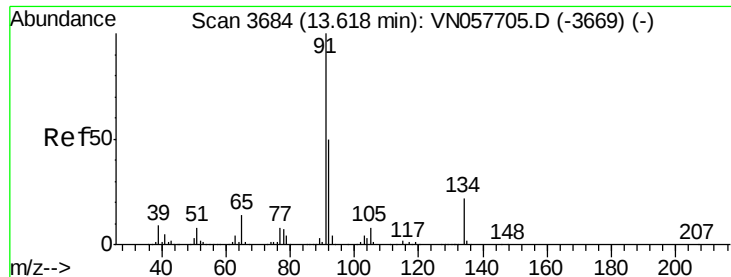
Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Tgt Ion:	146	Resp:	309504
Ion Ratio	Lower	Upper	
146	100		
111	42.0	22.3	66.9
148	64.4	31.9	95.7





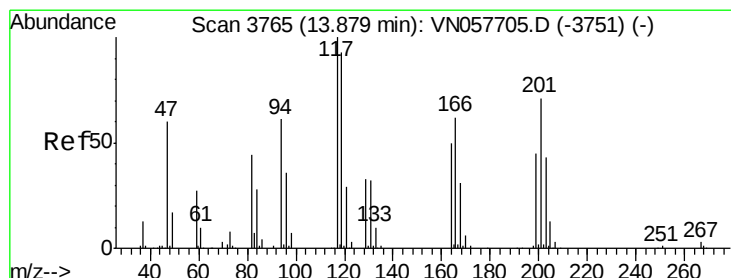
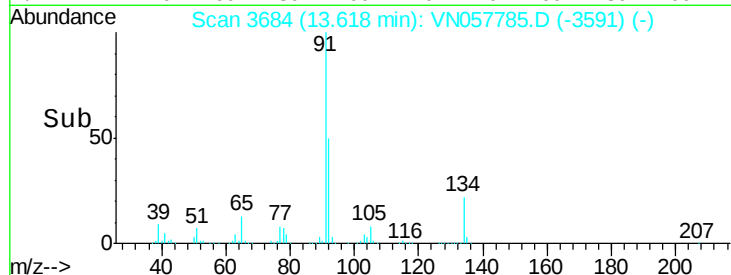
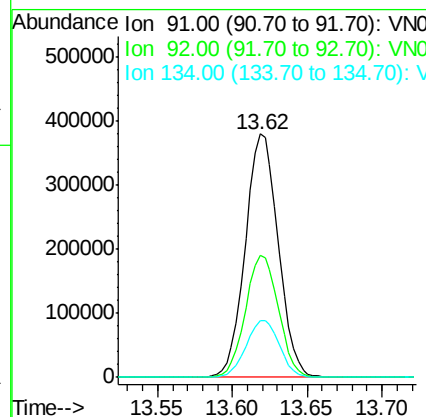
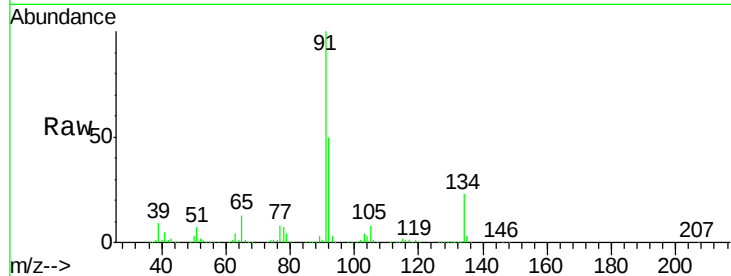
#89
n-Butylbenzene
Concen: 44.607 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.6	76.8
134	23.6	11.2	33.5

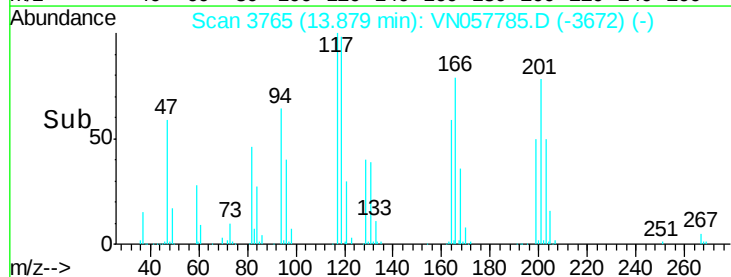
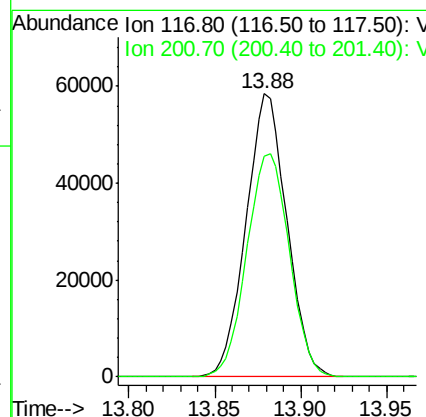
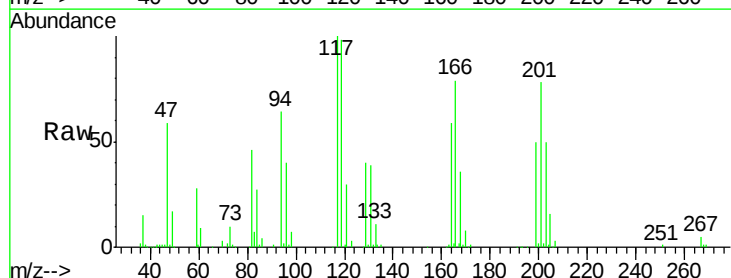
Manual Integrations
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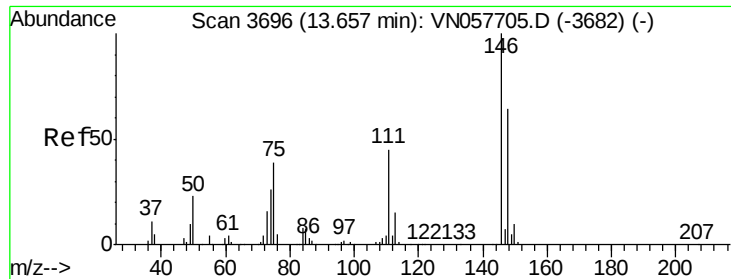
MMDadoda
9/10/2019 3:02:40 PM



#90
Hexachloroethane
Concen: 46.570 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	36.4	109.2





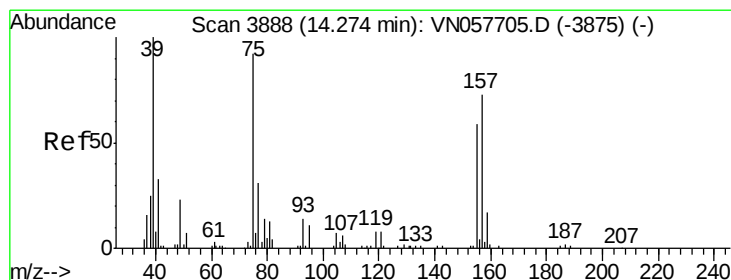
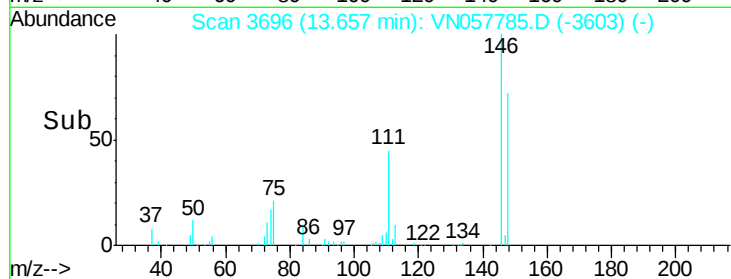
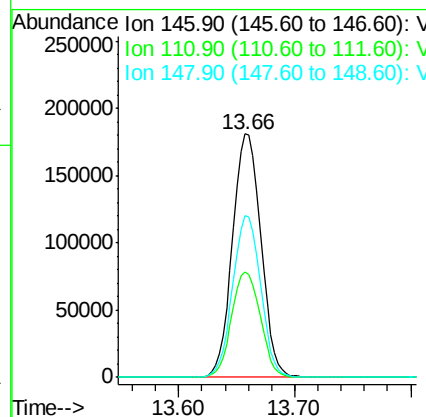
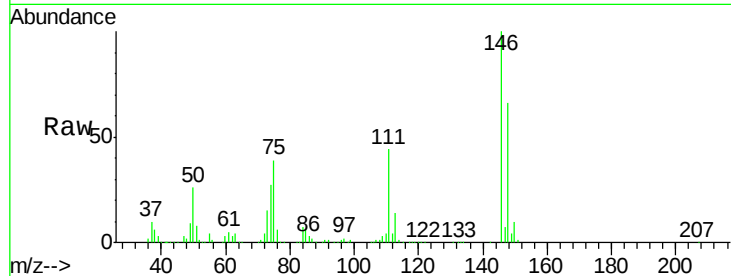
#91
 1,2-Dichlorobenzene
 Concen: 48.791 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.8	68.3
148	65.2	31.6	95.0

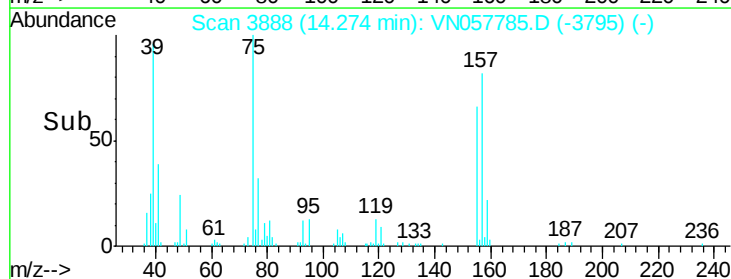
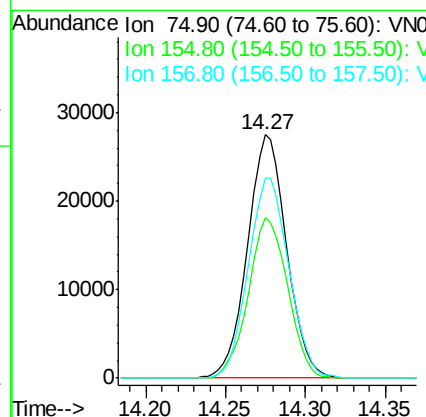
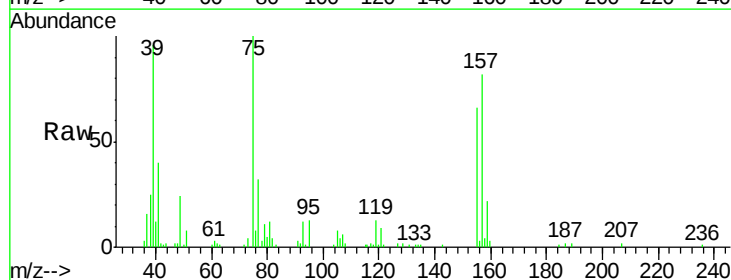
Manual Integrations
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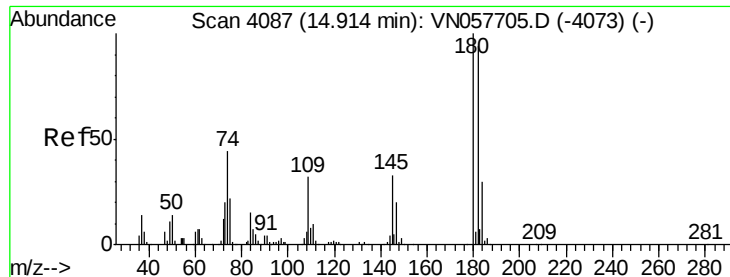
MMDadoda
 9/10/2019 3:02:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.068 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.1	30.1	90.5
157	85.3	38.1	114.5





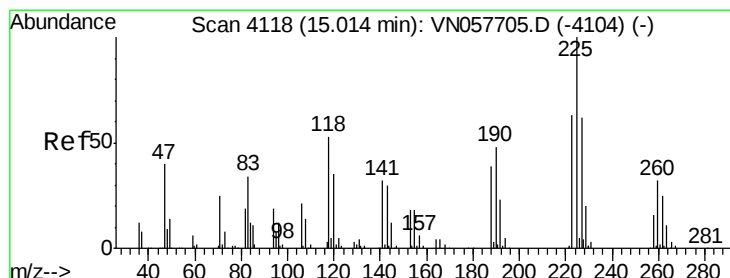
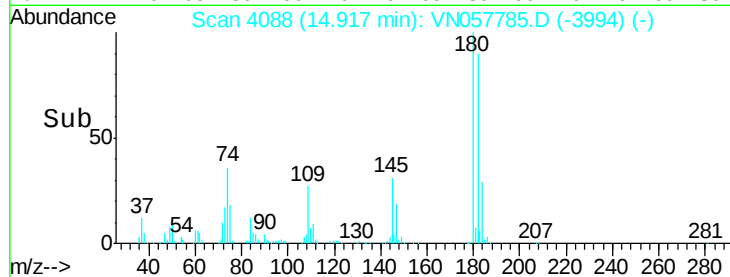
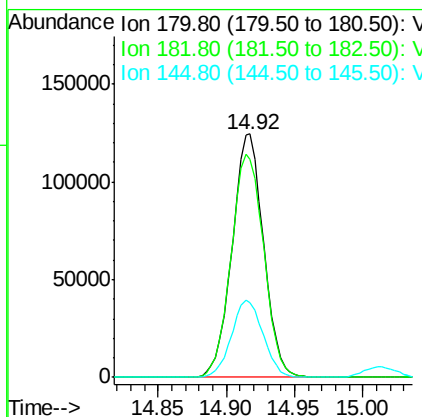
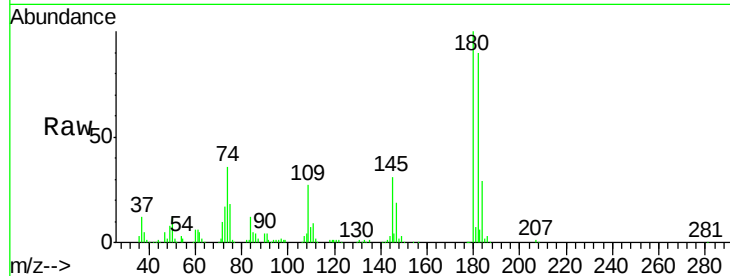
#93
 1,2,4-Trichlorobenzene
 Concen: 52.682 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	199228
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.6	142.9
145	31.9	16.6	49.7

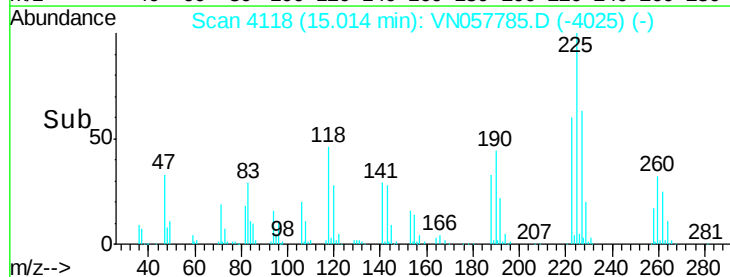
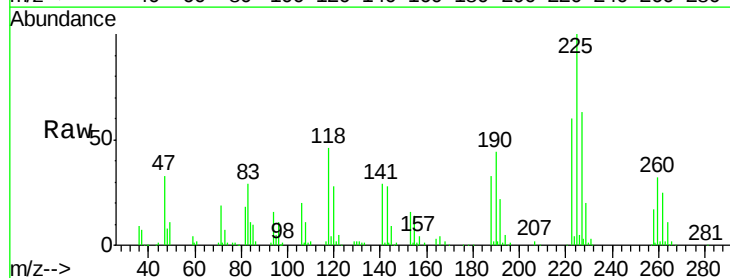
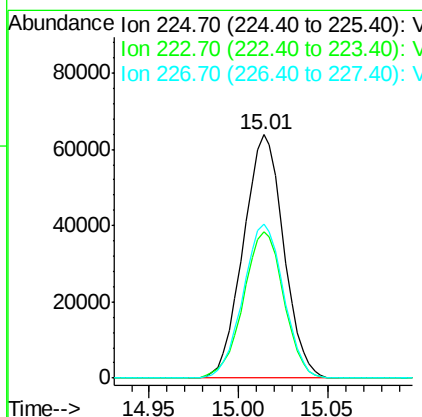
Manual Integrations
 APPROVED

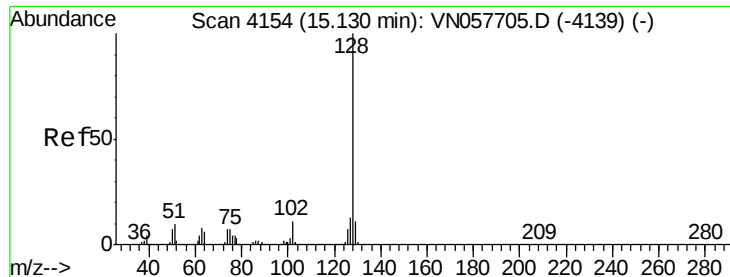
MMDadoda
 9/10/2019 3:02:40 PM



#94
 Hexachlorobutadiene
 Concen: 54.780 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion:	225	Resp:	100975
Ion Ratio	Lower	Upper	
225	100		
223	60.1	31.6	95.0
227	63.3	31.7	95.1





#95

Naphthalene

Concen: 48.632 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

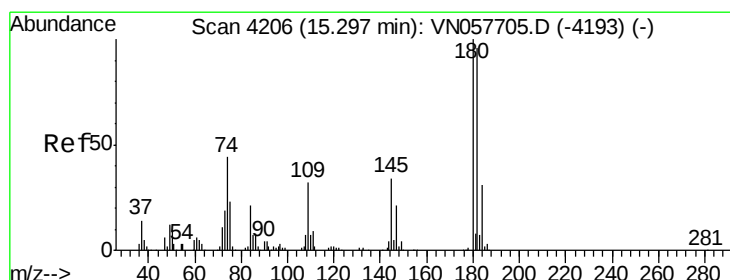
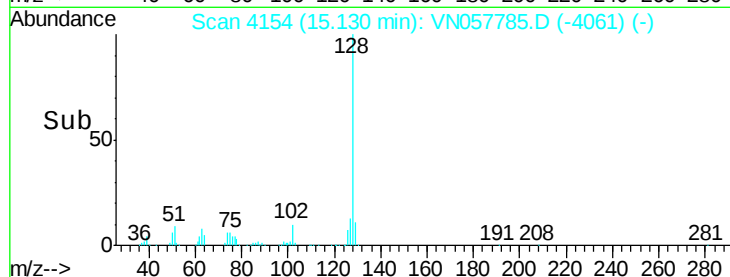
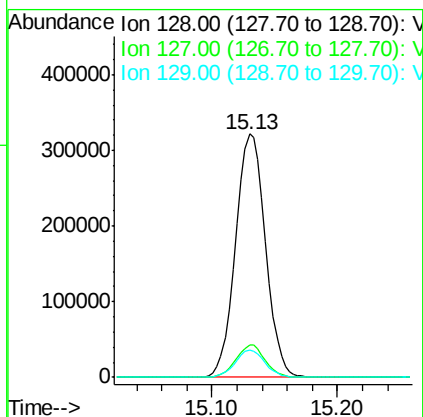
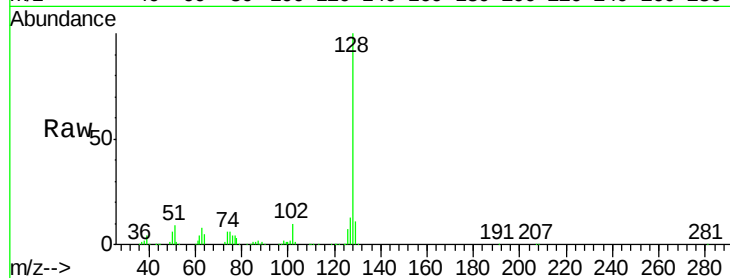
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	533552
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	11.1	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:02:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.888 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Tgt Ion:	180	Resp:	188089
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.0	141.2
145	32.7	17.5	52.6

