

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064006.D
 Acq On : 8 Oct 2020 22:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:53:03 PM

Quant Time: Oct 09 06:56:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	268467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	447448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	418085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197638	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	217593	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	7.55	113	157836	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.06	98	558217	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
62) 4-Bromofluorobenzene	12.38	95	207521	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	116288	41.051	ug/l	97
3) Chloromethane	2.04	50	155704	46.844	ug/l	98
4) Vinyl Chloride	2.16	62	153265	45.936	ug/l	99
5) Bromomethane	2.52	94	93752	44.673	ug/l	97
6) Chloroethane	2.66	64	104649	52.490	ug/l	100
7) Trichlorofluoromethane	2.98	101	242253	45.781	ug/l	100
8) Diethyl Ether	3.37	74	96092	53.695	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	123931	43.818	ug/l	98
10) Methyl Iodide	3.91	142	161192	49.085	ug/l	98
11) Tert butyl alcohol	4.73	59	161808	330.445	ug/l	100
12) 1,1-Dichloroethene	3.69	96	128228	47.432	ug/l	98
13) Acrolein	3.57	56	115108	383.016	ug/l	99
14) Allyl chloride	4.28	41	275592	54.873	ug/l	91
15) Acrylonitrile	4.93	53	432238	308.380	ug/l	99
16) Acetone	3.77	43	407611	298.547	ug/l	99
17) Carbon Disulfide	4.01	76	333757	45.738	ug/l	99
18) Methyl Acetate	4.28	43	229794	64.824	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	542033	55.187	ug/l	99
20) Methylene Chloride	4.50	84	167069	53.417	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	145517	48.056	ug/l	93
22) Diisopropyl ether	5.90	45	609981	59.031	ug/l	98
23) Vinyl Acetate	5.84	43	2510939	293.345	ug/l	99
24) 1,1-Dichloroethane	5.80	63	316894	53.635	ug/l	100
25) 2-Butanone	6.78	43	629465	325.190	ug/l	99
26) 2,2-Dichloropropane	6.78	77	233178	43.096	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	179179	51.450	ug/l	98
28) Bromochloromethane	7.15	49	167393	57.323	ug/l	98
29) Tetrahydrofuran	7.17	42	430949	331.946	ug/l	96
30) Chloroform	7.33	83	328473	53.320	ug/l	94
31) Cyclohexane	7.61	56	222089	43.132	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	278315	50.087	ug/l	98
36) 1,1-Dichloropropene	7.75	75	213764	47.156	ug/l	99
37) Ethyl Acetate	6.88	43	262301	58.241	ug/l	99
38) Carbon Tetrachloride	7.73	117	230977	45.440	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	187694	41.520	ug/l	96
40) Benzene	8.00	78	667410	51.547	ug/l	100
41) Methacrylonitrile	7.13	41	107176m	53.545	ug/l	
42) 1,2-Dichloroethane	8.08	62	280172	50.693	ug/l	100
43) Isopropyl Acetate	8.13	43	435571	58.634	ug/l	100
44) Trichloroethene	8.80	130	160662	47.359	ug/l	97
45) 1,2-Dichloropropane	9.08	63	187587	53.646	ug/l	99
46) Dibromomethane	9.17	93	126310	52.362	ug/l	99
47) Bromodichloromethane	9.37	83	259482	52.194	ug/l	98
48) Methyl methacrylate	9.17	41	226201	61.632	ug/l	90
49) 1,4-Dioxane	9.16	88	66963	1283.756	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1393645	319.683	ug/l	100
52) Toluene	10.13	92	404542	50.514	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	278231	52.210	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	290655	52.151	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	174181	54.233	ug/l	99
56) Ethyl methacrylate	10.40	69	270588	59.438	ug/l	94
57) 1,3-Dichloropropane	10.68	76	297378	54.729	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	726814	298.466	ug/l	98
59) 2-Hexanone	10.72	43	1018685	314.557	ug/l	99
60) Dibromochloromethane	10.87	129	197973	52.930	ug/l	100
61) 1,2-Dibromoethane	10.98	107	181911	55.371	ug/l	99
64) Tetrachloroethene	10.60	164	142889	44.175	ug/l	98
65) Chlorobenzene	11.41	112	427101	49.801	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	174487	53.070	ug/l	98
67) Ethyl Benzene	11.48	91	763701	48.938	ug/l	100
68) m/p-Xylenes	11.59	106	565514	97.231	ug/l	98
69) o-Xylene	11.92	106	278914	51.307	ug/l	98
70) Styrene	11.94	104	484878	52.545	ug/l	98
71) Bromoform	12.10	173	138464	55.064	ug/l #	98
73) Isopropylbenzene	12.22	105	714493	49.564	ug/l	99
74) N-amyl acetate	12.05	43	375378	55.759	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	259085	58.774	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	239986m	55.084	ug/l	
77) Bromobenzene	12.50	156	187264	52.941	ug/l	97
78) n-propylbenzene	12.57	91	816617	48.675	ug/l	100
79) 2-Chlorotoluene	12.65	91	518076	50.211	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	611640	50.574	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	85593	56.584	ug/l	98
82) 4-Chlorotoluene	12.75	91	546803	51.049	ug/l	100
83) tert-Butylbenzene	12.97	119	480402	48.562	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	612484	50.725	ug/l	97
85) sec-Butylbenzene	13.15	105	622987	47.947	ug/l	100
86) p-Isopropyltoluene	13.26	119	560600	48.771	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	319803	49.975	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	321112	48.193	ug/l	99
89) n-Butylbenzene	13.59	91	457354	43.110	ug/l	99
90) Hexachloroethane	13.85	117	106378	47.759	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	328748	51.867	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	56762	54.907	ug/l	94

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	144134	42.104	ug/l	97
94) Hexachlorobutadiene	14.98	225	80718	46.973	ug/l	98
95) Naphthalene	15.10	128	465432	43.889	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	145952	43.860	ug/l	99

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

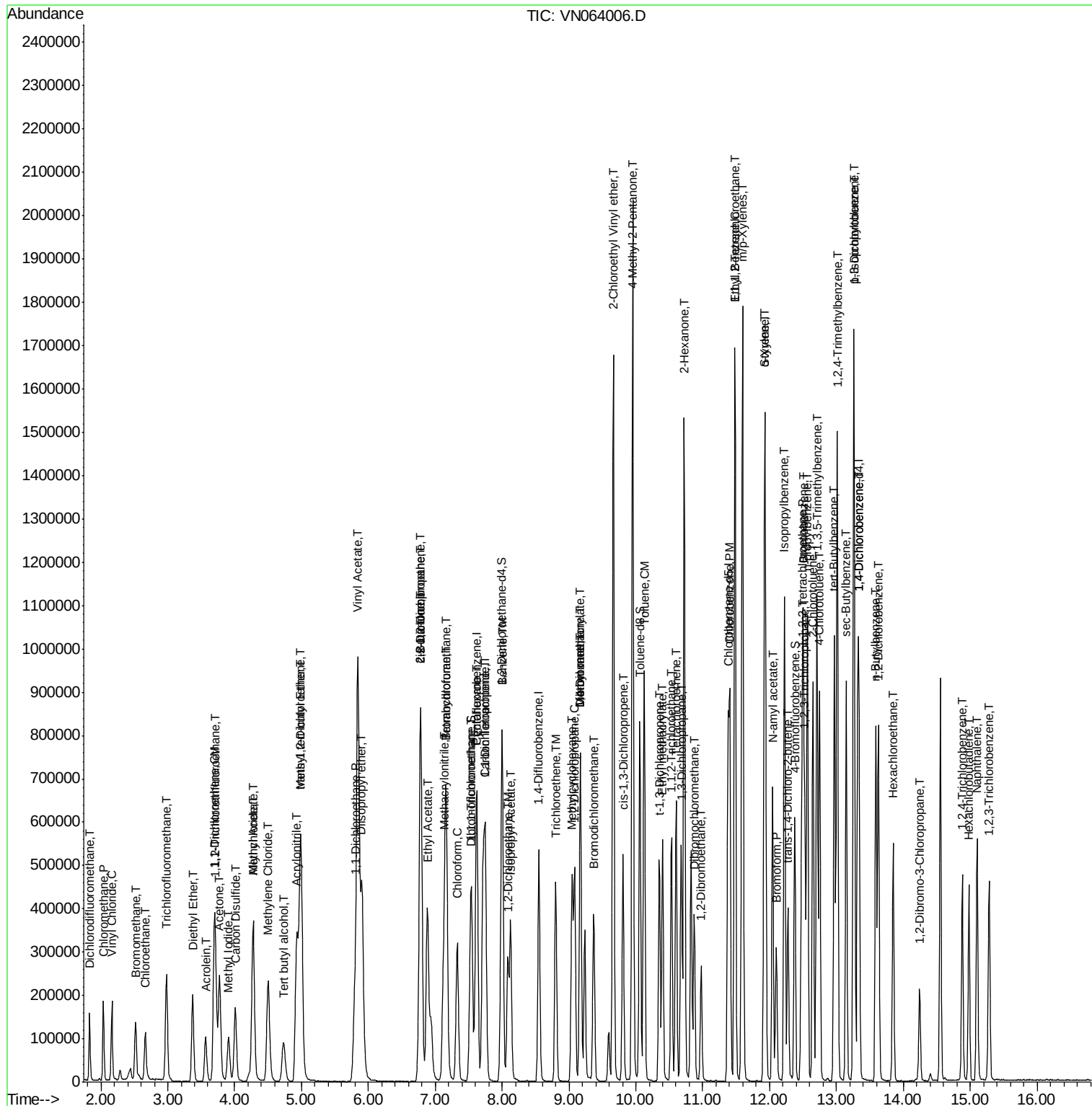
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064006.D
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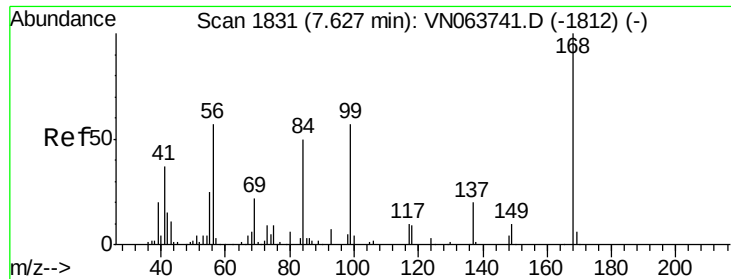
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 268467

Ion Ratio Lower Upper

168 100

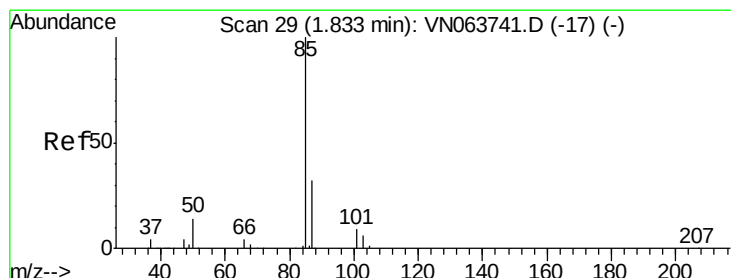
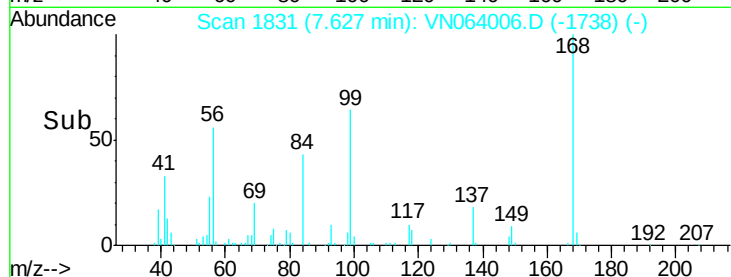
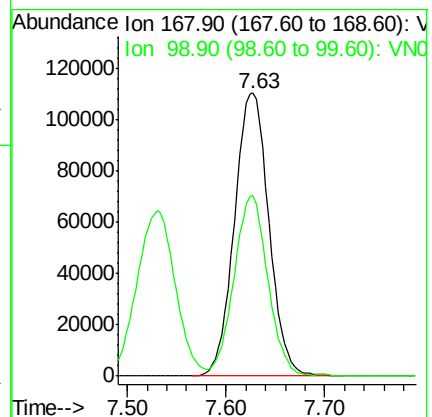
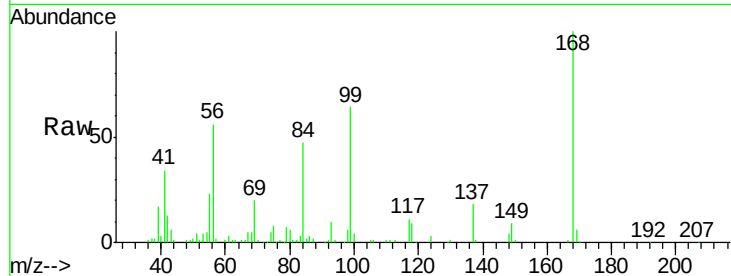
99 63.7 51.8 77.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 41.051 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064006.D

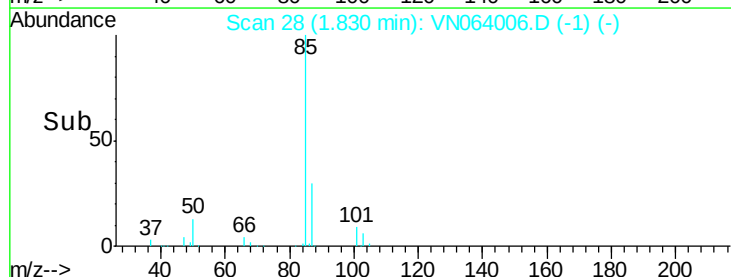
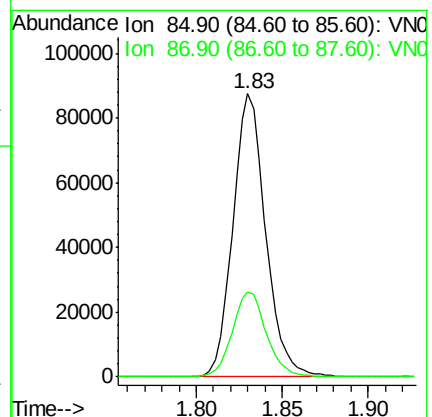
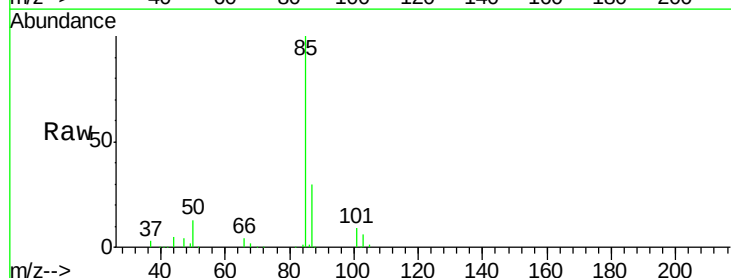
Acq: 8 Oct 2020 22:28

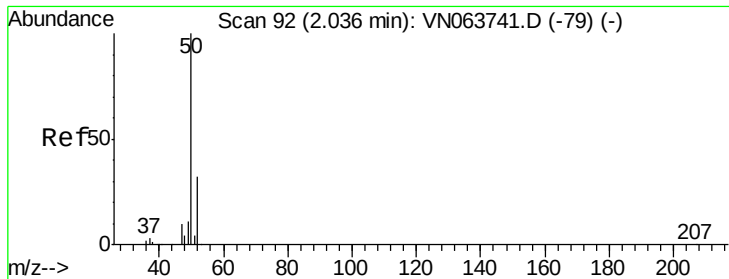
Tgt Ion: 85 Resp: 116288

Ion Ratio Lower Upper

85 100

87 30.2 16.0 48.0





#3

Chloromethane

Concen: 46.844 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 155704

Ion Ratio Lower Upper

50 100

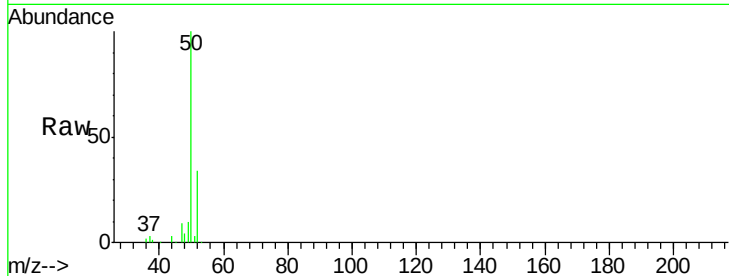
52 33.5 25.8 38.8

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

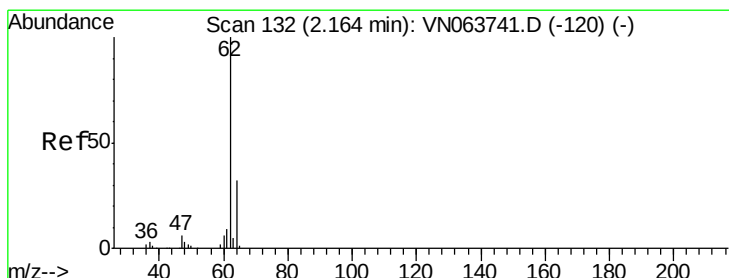
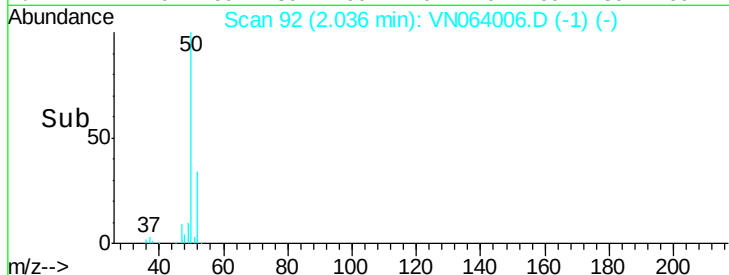
0

2.00

2.05

2.10

Time-->



#4

Vinyl Chloride

Concen: 45.936 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064006.D

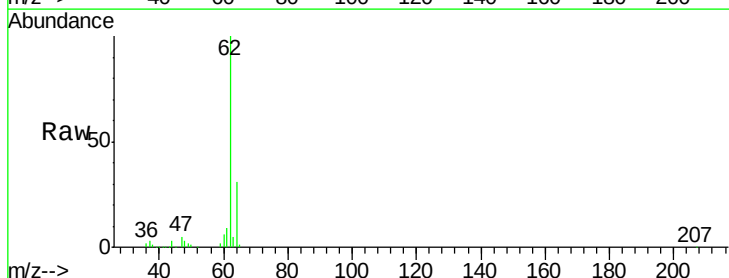
Acq: 8 Oct 2020 22:28

Tgt Ion: 62 Resp: 153265

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

120000

100000

80000

60000

40000

20000

0

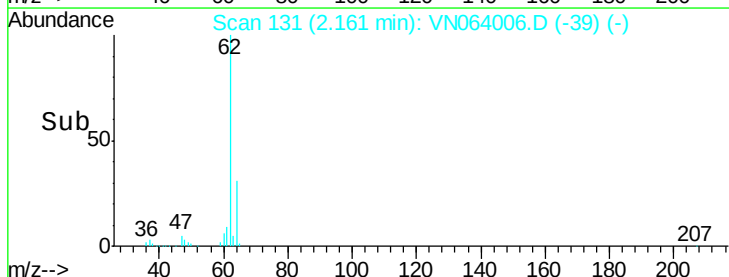
2.10

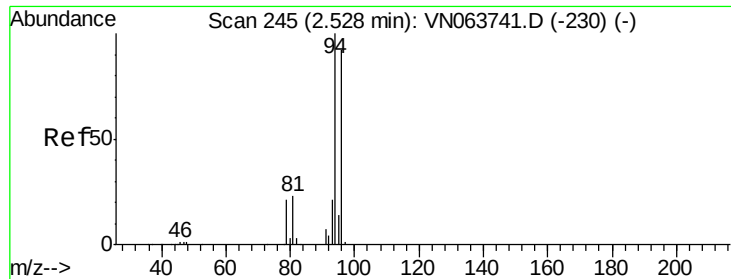
2.15

2.20

2.25

Time-->





#5

Bromomethane

Concen: 44.673 ug/l

RT: 2.52 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

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Tot Ion: 94 Resp: 93752

Ion Ratio Lower Upper

94 100

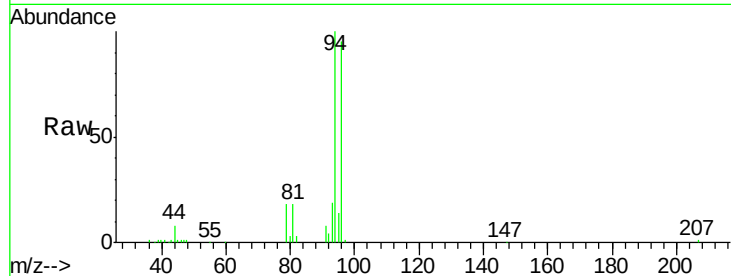
96 94.5 73.3 109.9

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

50000

40000

30000

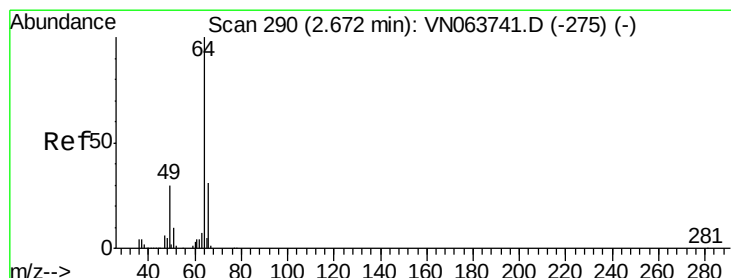
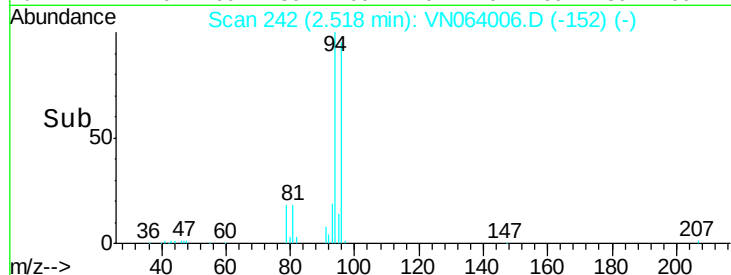
20000

10000

0

2.52

Time-->



#6

Chloroethane

Concen: 52.490 ug/l

RT: 2.66 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN064006.D

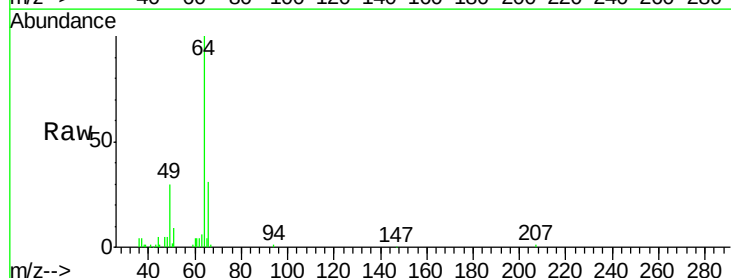
Acq: 8 Oct 2020 22:28

Tgt Ion: 64 Resp: 104649

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

60000

50000

40000

30000

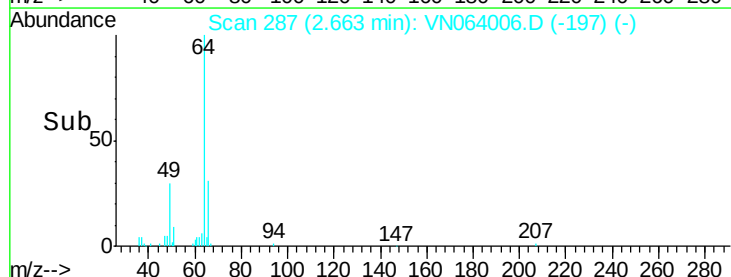
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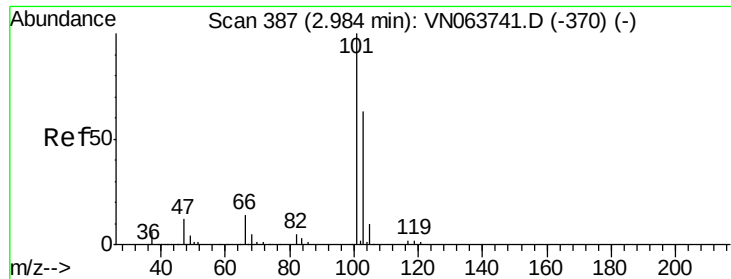
10000

0

2.66

Time-->





#7

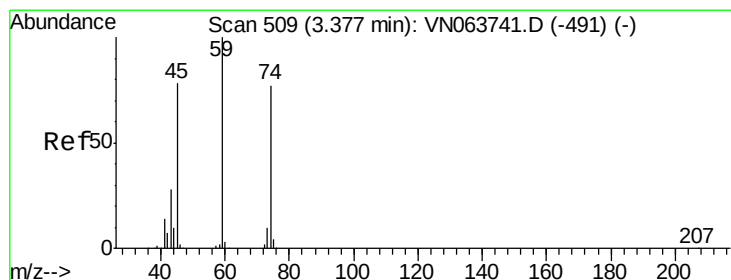
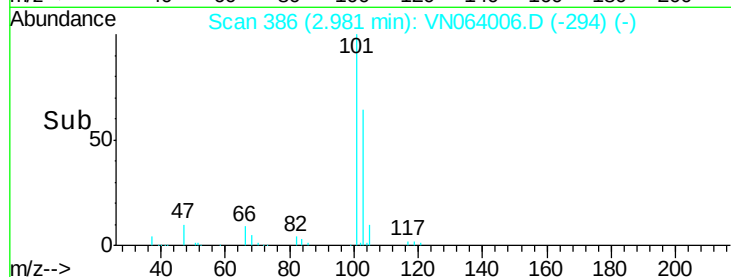
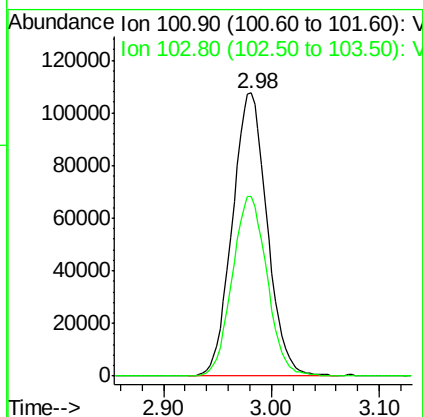
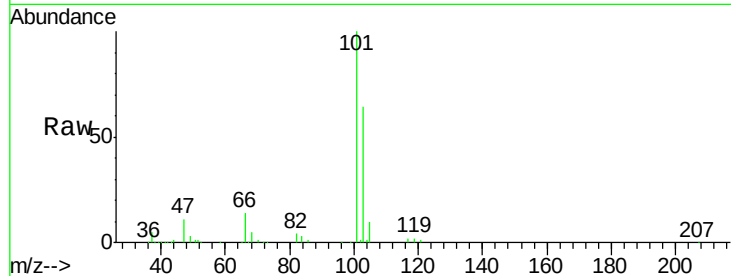
Trichlorofluoromethane
 Concen: 45.781 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.7	76.1

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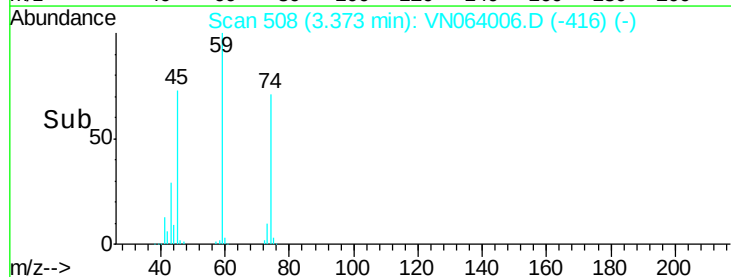
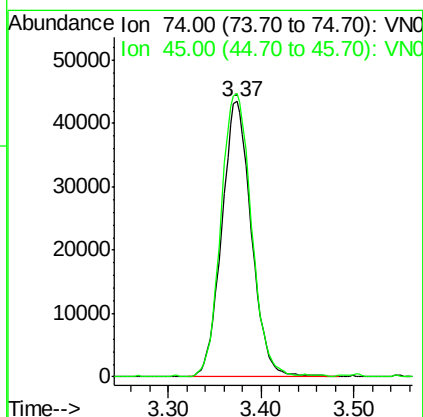
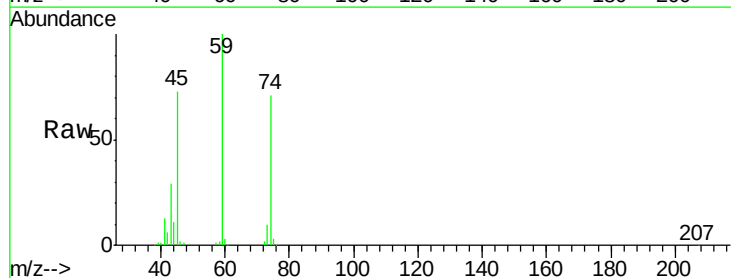
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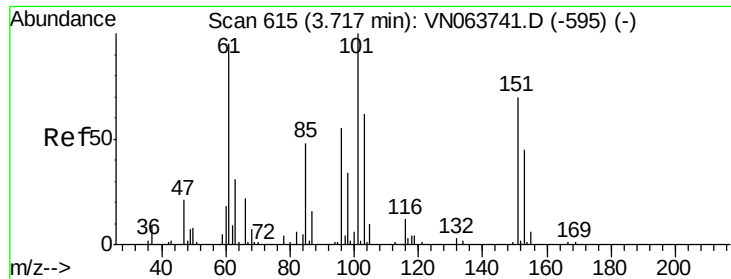


#8

Diethyl Ether
 Concen: 53.695 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.818 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064006.D

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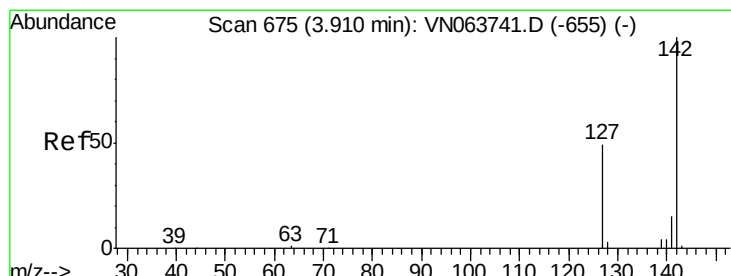
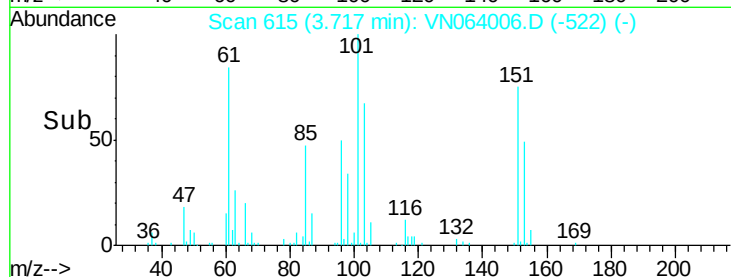
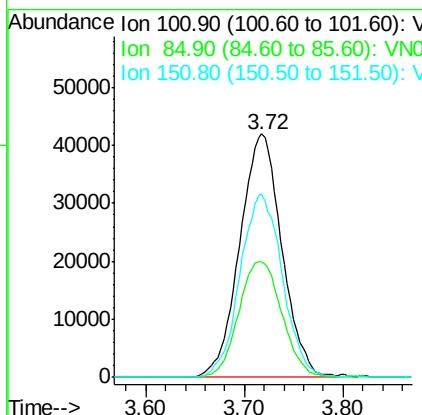
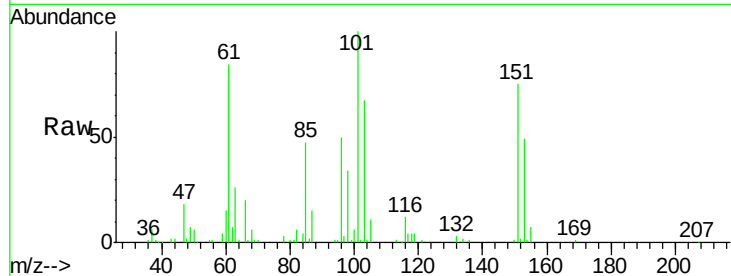
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	123931
Ion Ratio	Lower	Upper	
101	100		
85	48.7	38.6	58.0
151	75.7	58.7	88.1

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#10

Methyl Iodide

Concen: 49.085 ug/l

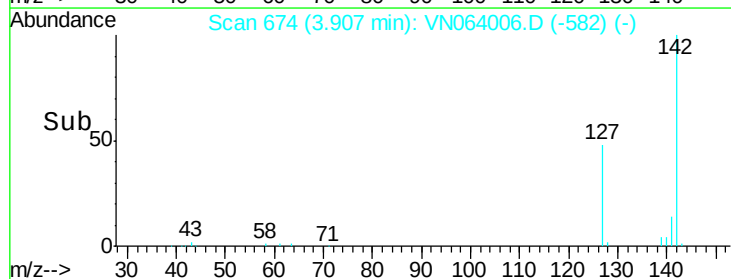
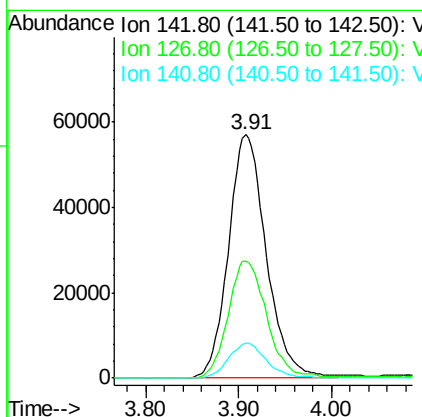
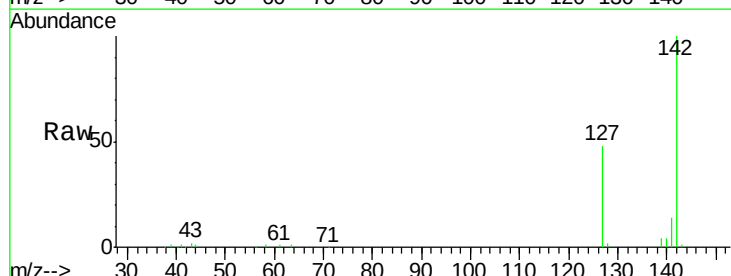
RT: 3.91 min Scan# 674

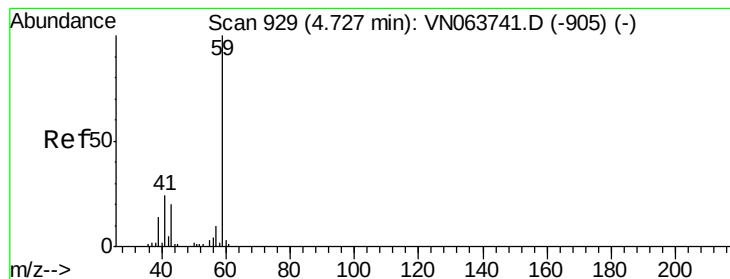
Delta R.T. -0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Tgt Ion:	142	Resp:	161192
Ion Ratio	Lower	Upper	
142	100		
127	49.1	40.5	60.7
141	14.4	11.7	17.5





#11

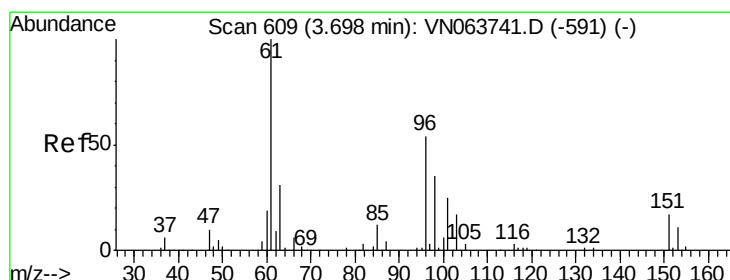
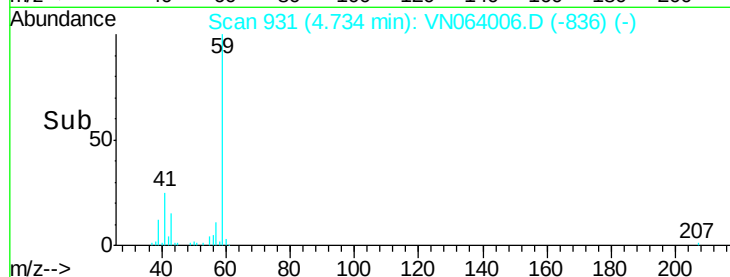
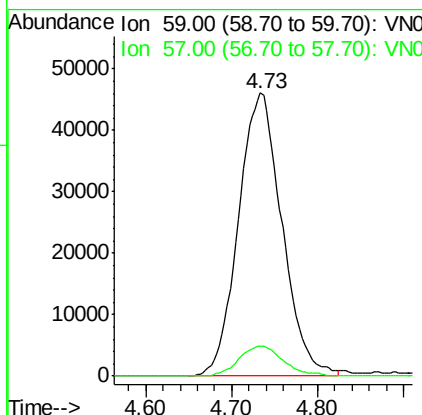
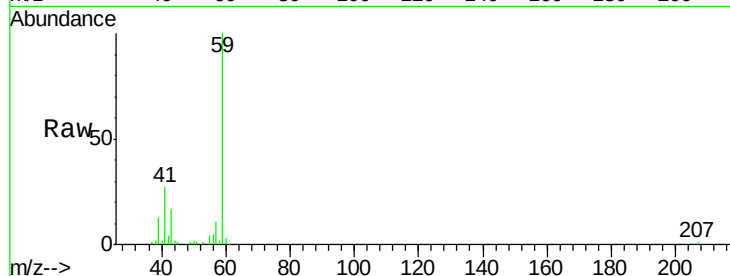
Tert butyl alcohol
Concen: 330.445 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

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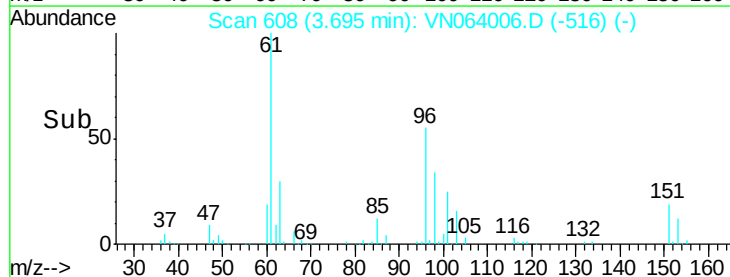
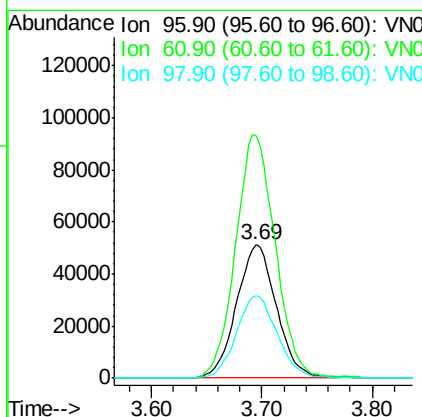
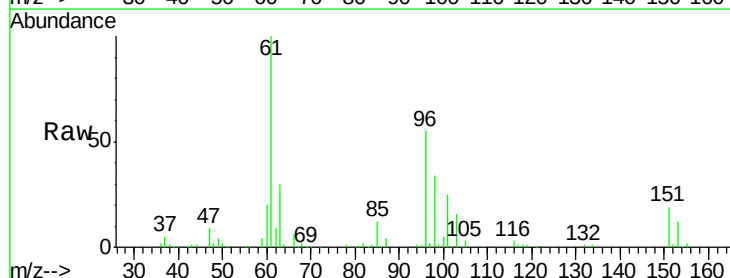
MMDadoda
10/9/2020 4:53:03 PM

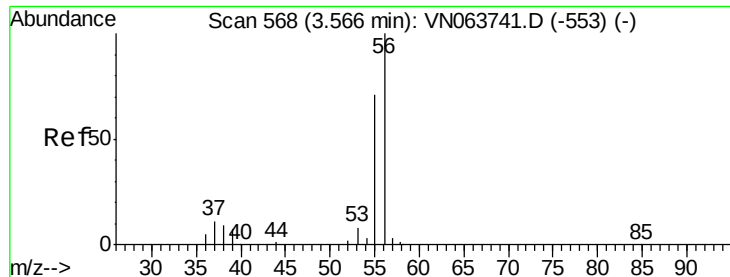


#12

1,1-Dichloroethene
Concen: 47.432 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.4	147.7	221.5
98	62.1	51.9	77.9





#13

Acrolein

Concen: 383.016 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 115108

Ion Ratio Lower Upper

56 100

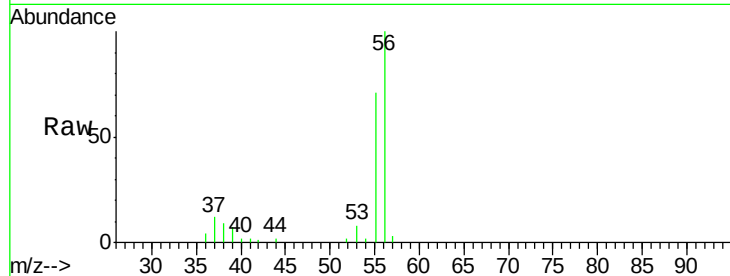
55 72.1 56.9 85.3

Manual Integrations

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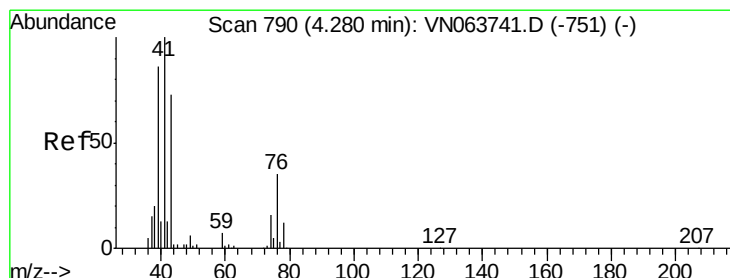
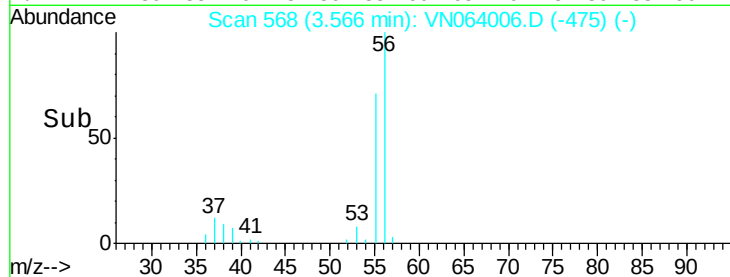
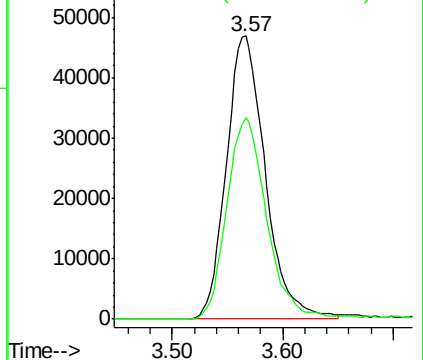
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 54.873 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

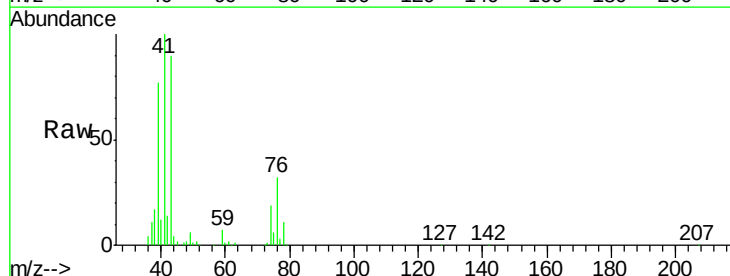
Tgt Ion: 41 Resp: 275592

Ion Ratio Lower Upper

41 100

39 72.0 64.5 96.7

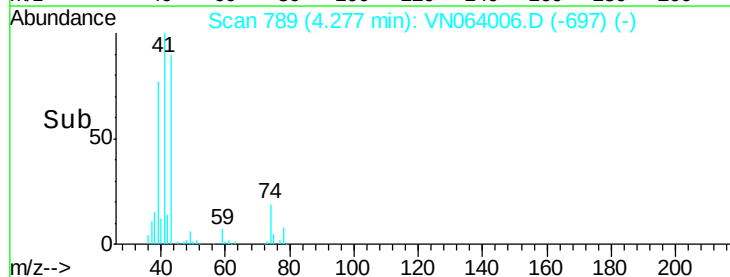
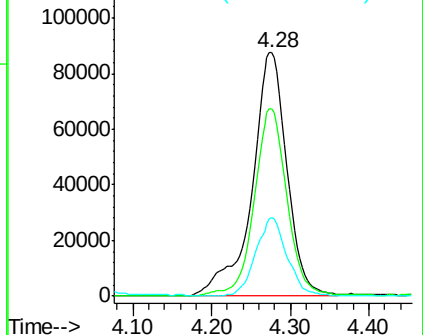
76 28.3 25.9 38.9

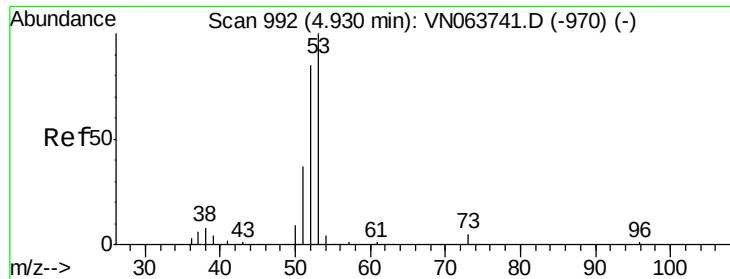


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





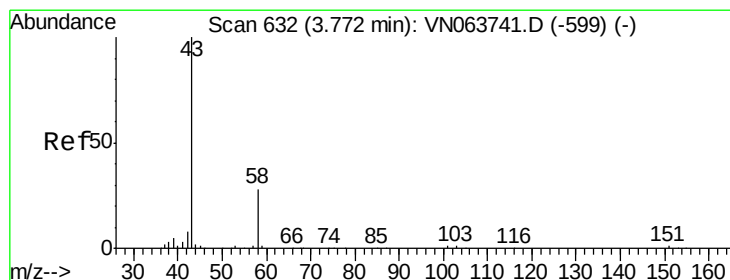
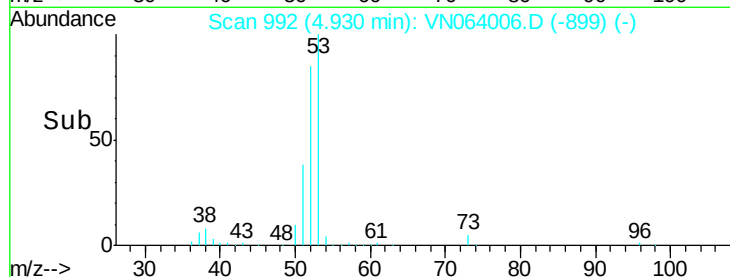
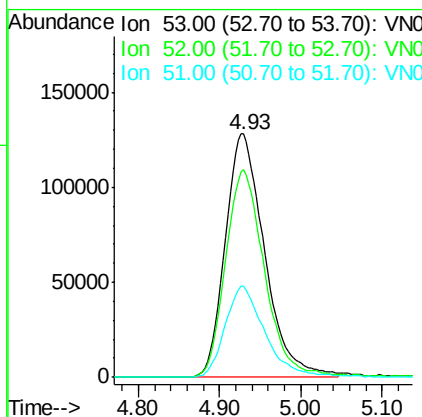
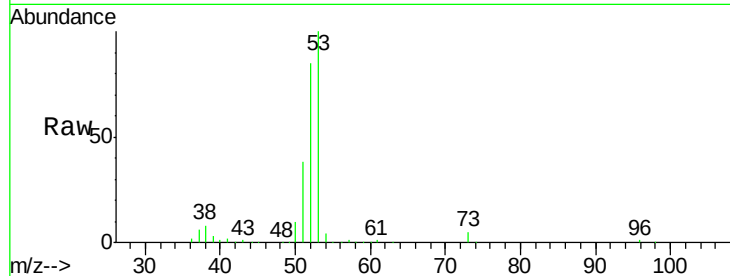
#15
 Acrylonitrile
 Concen: 308.380 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	432238
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.5	99.7
51	37.9	29.9	44.9

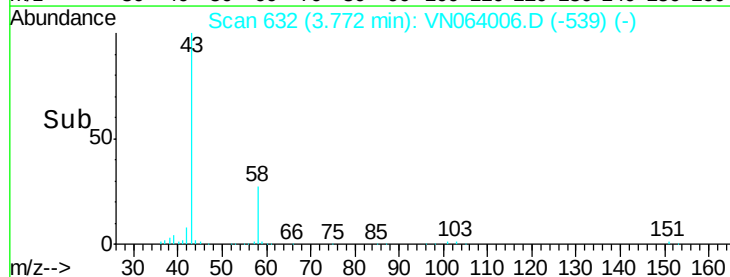
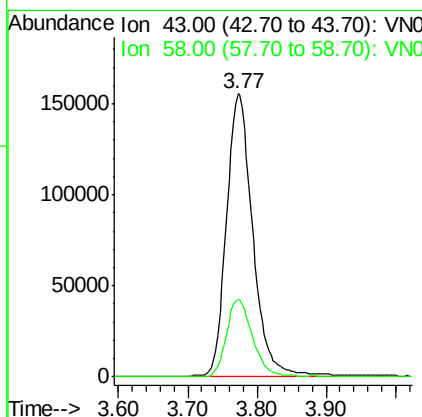
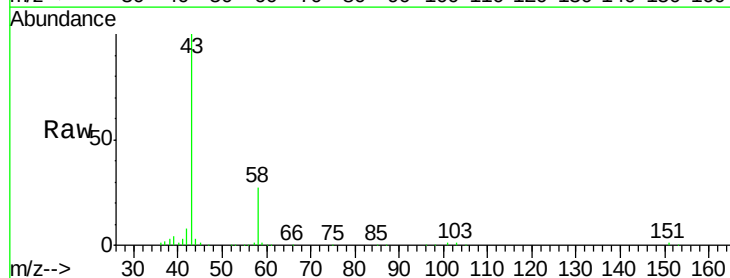
Manual Integrations
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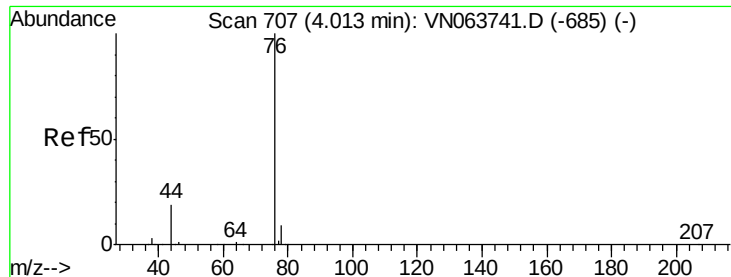
MMDadoda
 10/9/2020 4:53:03 PM



#16
 Acetone
 Concen: 298.547 ug/l
 RT: 3.77 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion:	43	Resp:	407611
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.3	33.5





#17

Carbon Disulfide

Concen: 45.738 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 333757

Ion Ratio Lower Upper

76 100

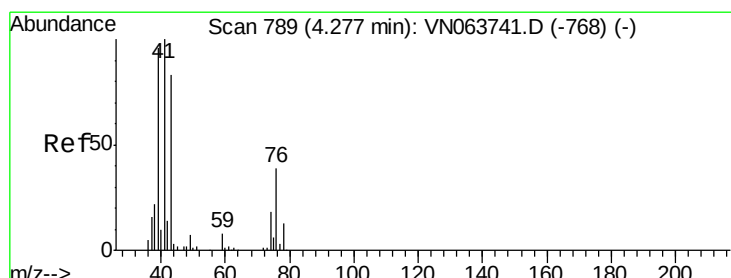
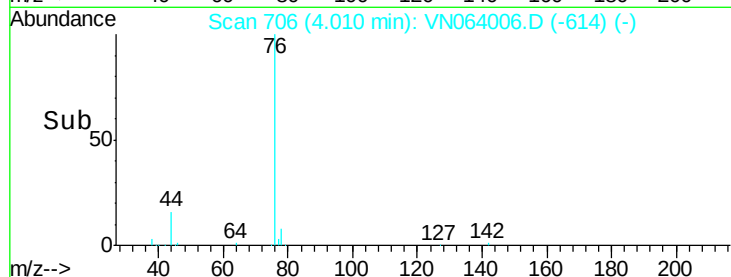
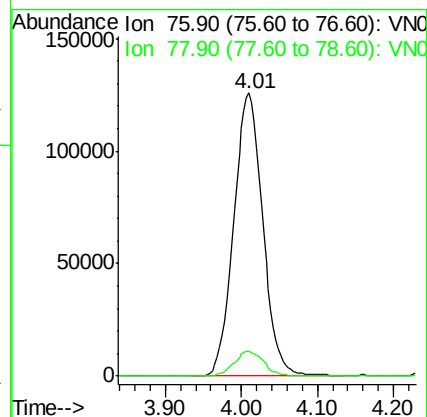
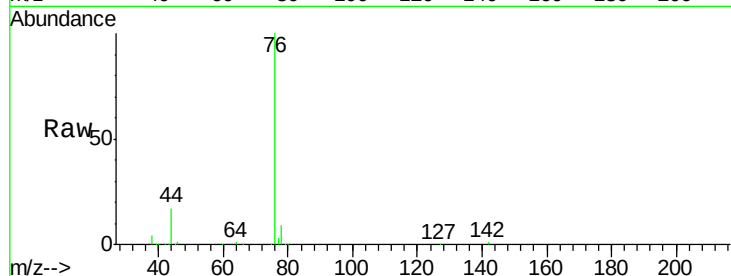
78 9.0 7.0 10.4

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#18

Methyl Acetate

Concen: 64.824 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064006.D

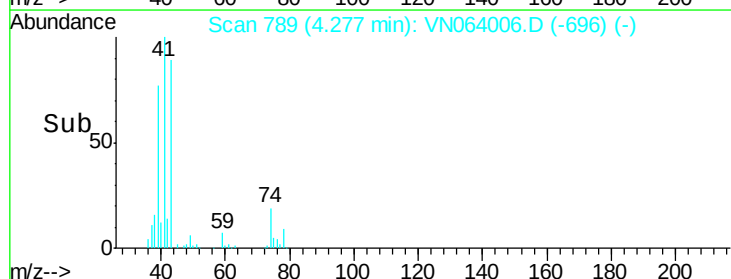
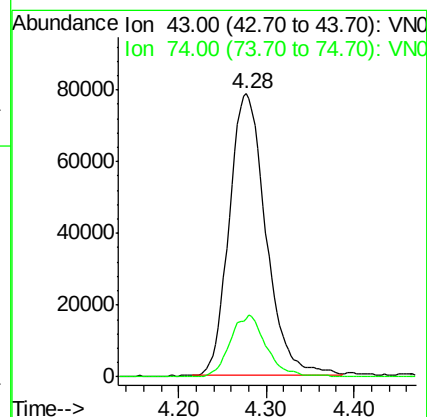
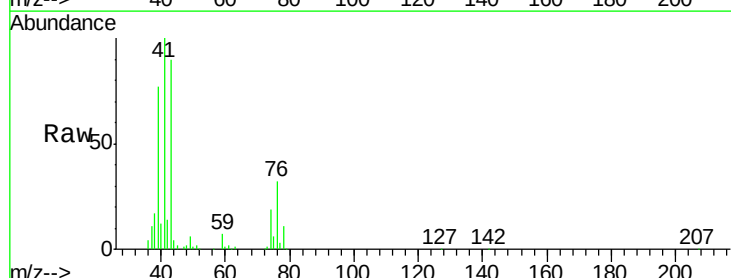
Acq: 8 Oct 2020 22:28

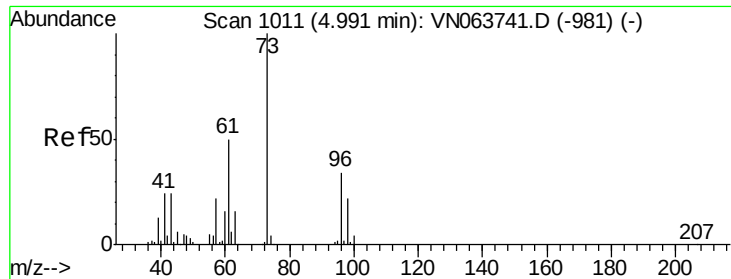
Tgt Ion: 43 Resp: 229794

Ion Ratio Lower Upper

43 100

74 21.3 17.4 26.2





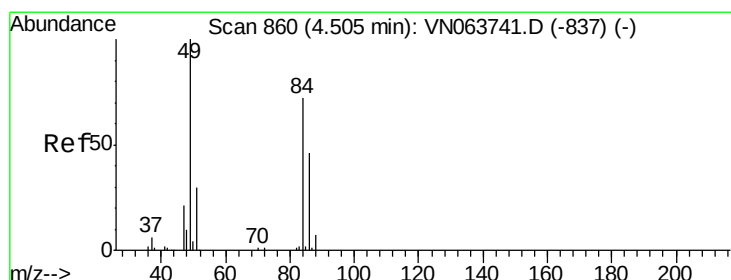
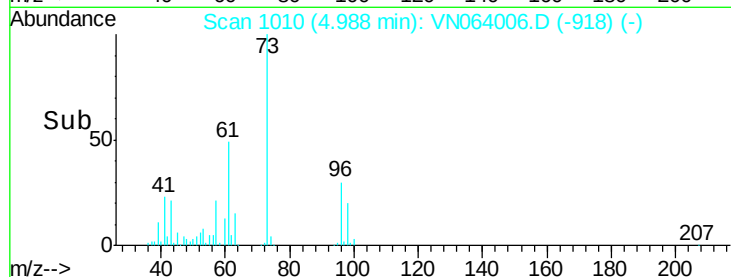
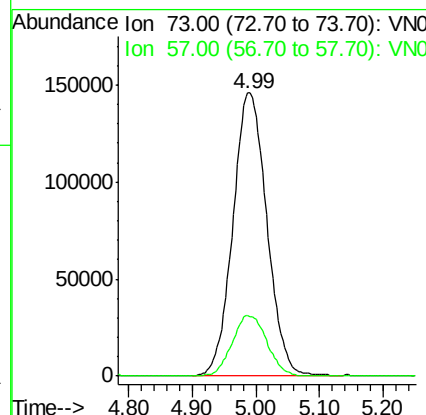
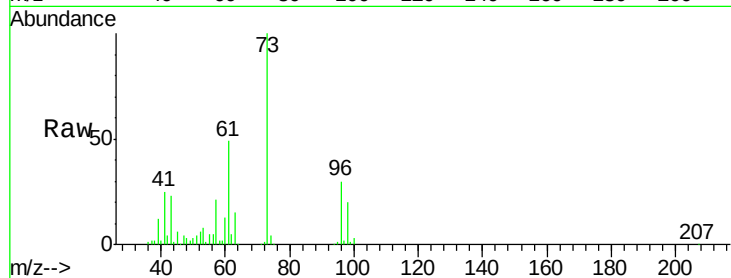
#19
Methvl tert-butyl Ether
Concen: 55.187 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 542033
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

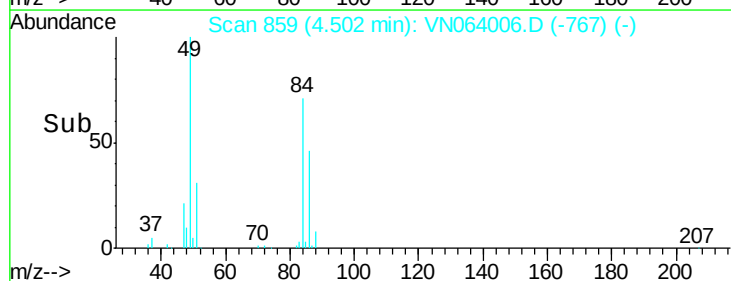
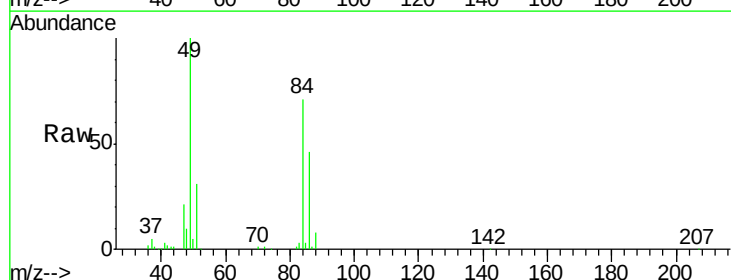
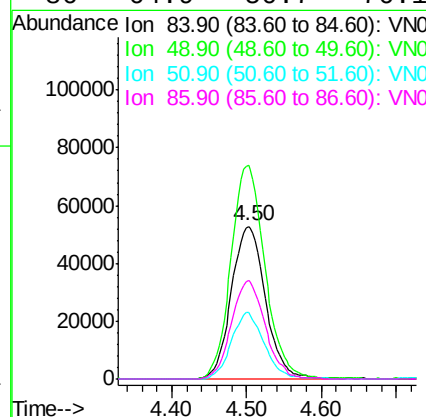
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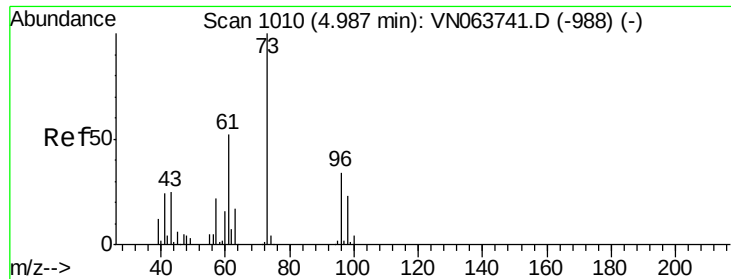
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#20
Methylene Chloride
Concen: 53.417 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion: 84 Resp: 167069
Ion Ratio Lower Upper
84 100
49 140.1 110.4 165.6
51 43.5 33.3 49.9
86 64.9 50.7 76.1





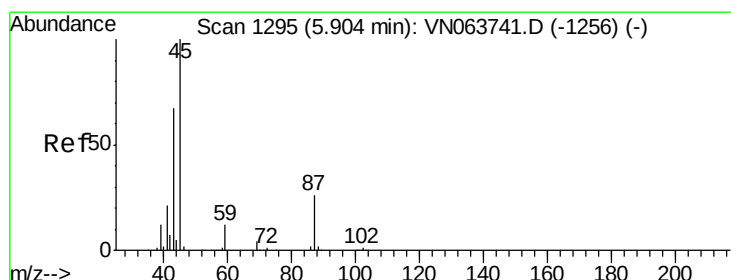
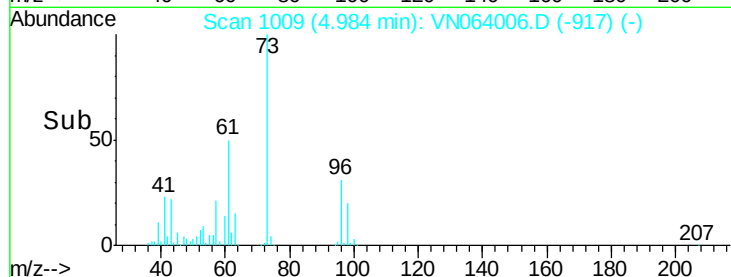
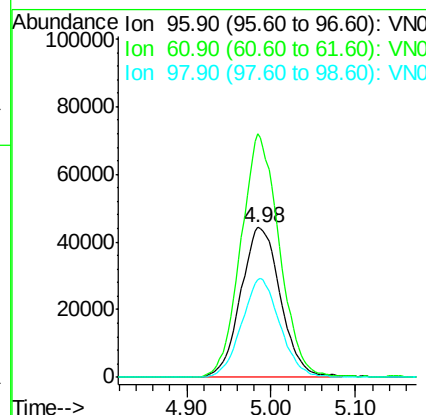
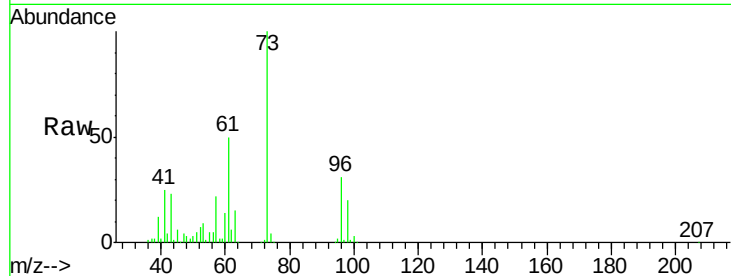
#21
trans-1,2-Dichloroethene
Concen: 48.056 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.4	120.2	180.2
98	65.2	52.6	79.0

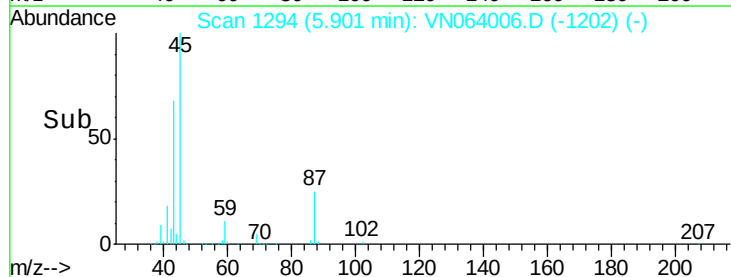
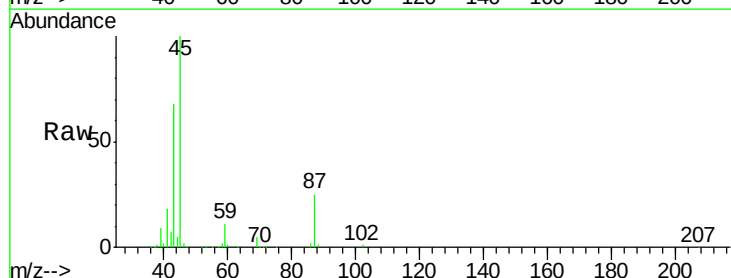
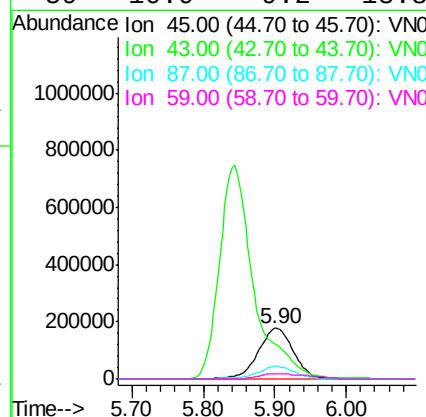
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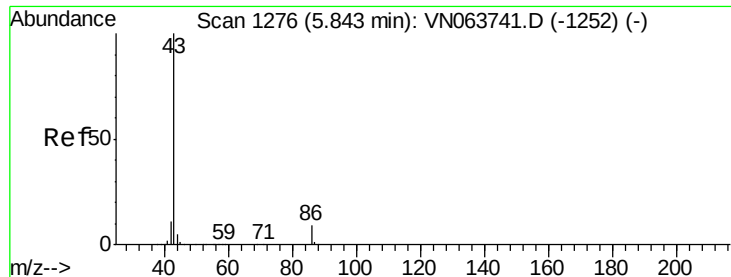
MMDadoda
10/9/2020 4:53:03 PM



#22
Diisopropyl ether
Concen: 59.031 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.4	53.7	80.5
87	24.8	21.1	31.7
59	10.9	9.2	13.8





#23

Vinyl Acetate

Concen: 293.345 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2510939

Ion Ratio Lower Upper

43 100

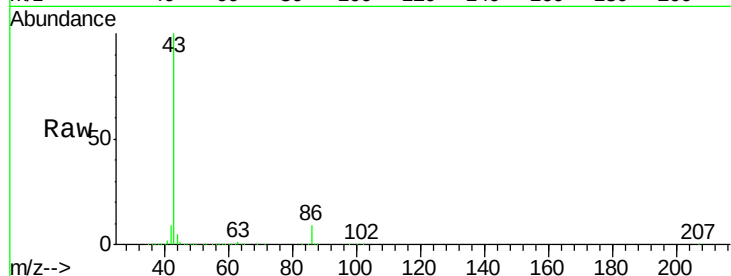
86 8.9 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

800000

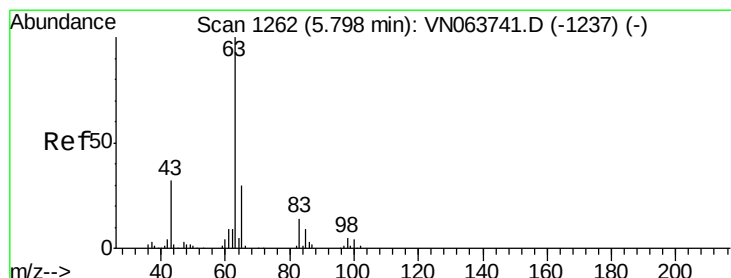
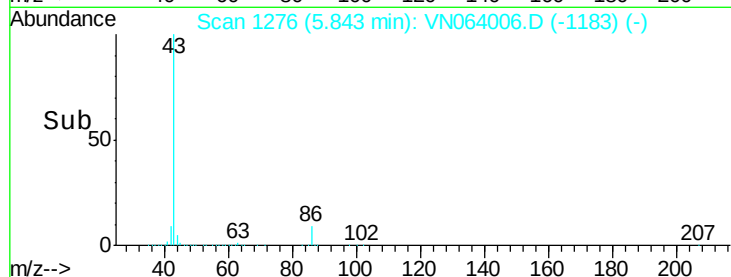
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.635 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

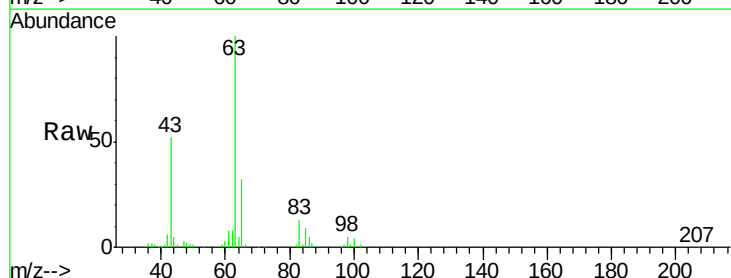
Tgt Ion: 63 Resp: 316894

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

120000

100000

80000

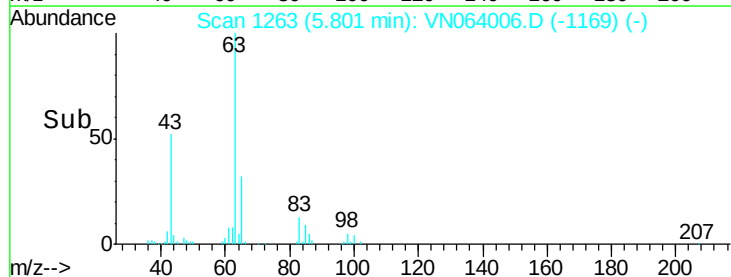
60000

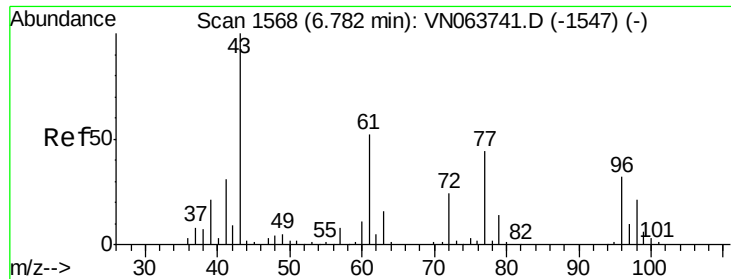
40000

20000

0

Time-->





#25

2-Butanone

Concen: 325.190 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 629465

Ion Ratio Lower Upper

43 100

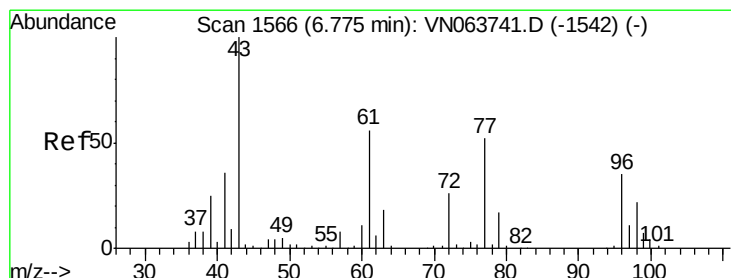
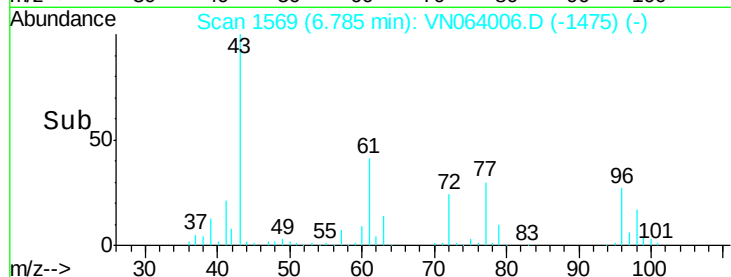
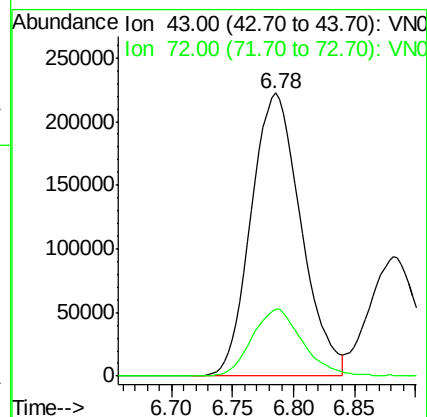
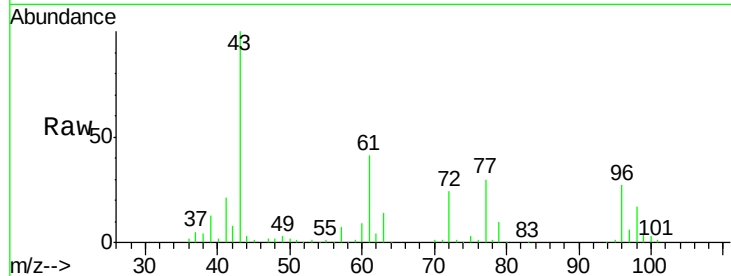
72 23.8 19.3 28.9

Manual Integrations

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MMDadoda

10/9/2020 4:53:03 PM



#26

2,2-Dichloropropane

Concen: 43.096 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064006.D

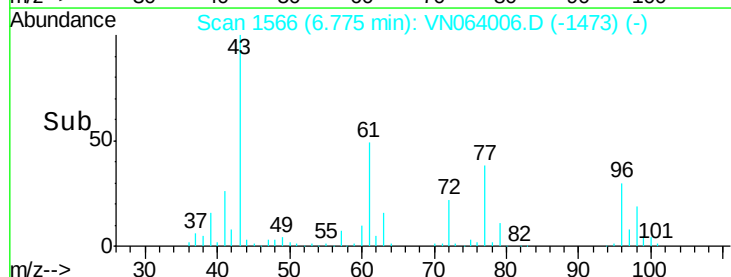
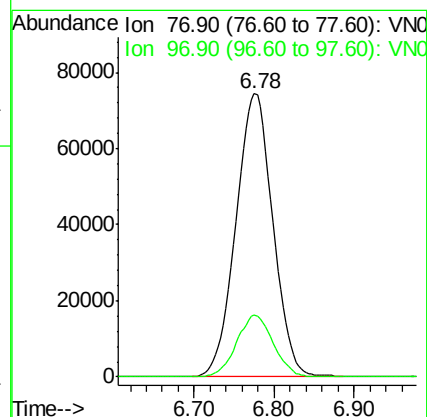
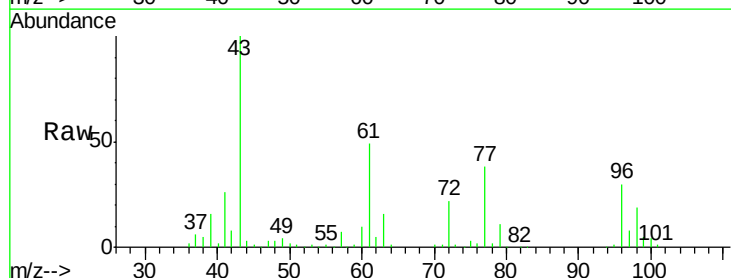
Acq: 8 Oct 2020 22:28

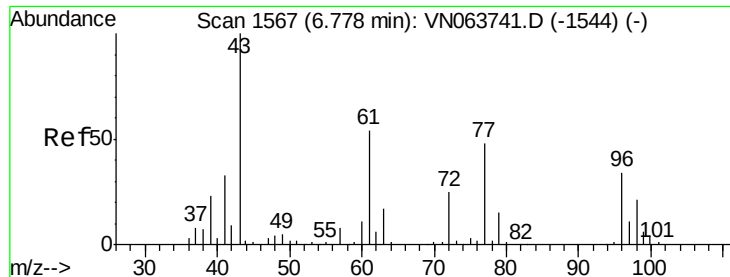
Tgt Ion: 77 Resp: 233178

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.3





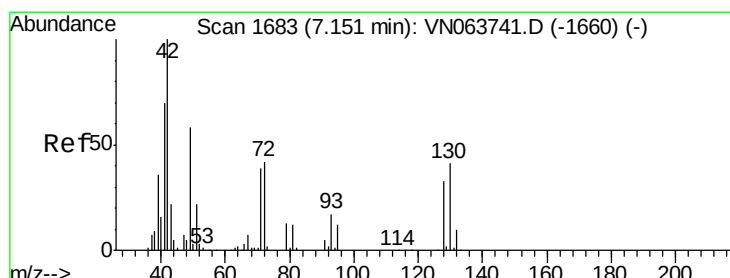
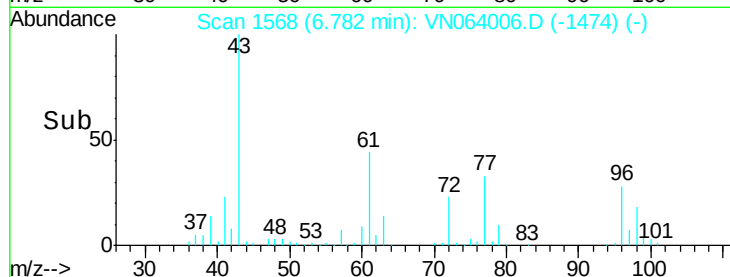
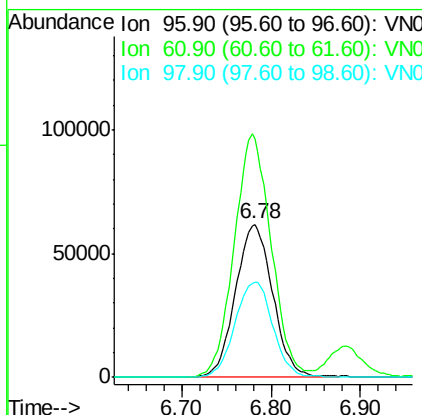
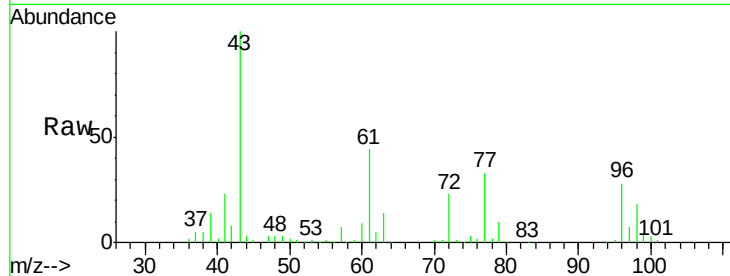
#27
 cis-1,2-Dichloroethene
 Concen: 51.450 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	179179		
61	157.3	0.0	321.2	
98	63.6	0.0	124.4	

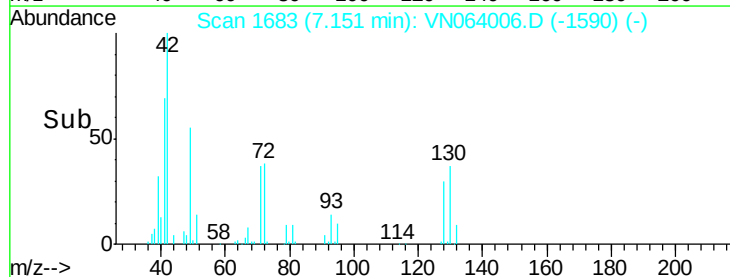
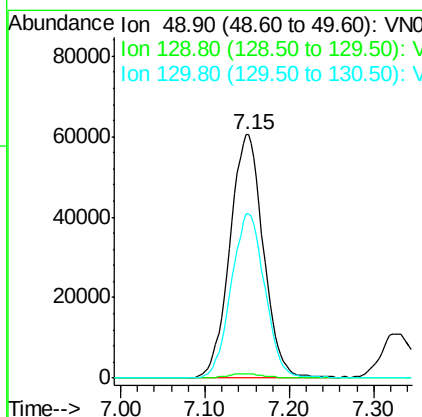
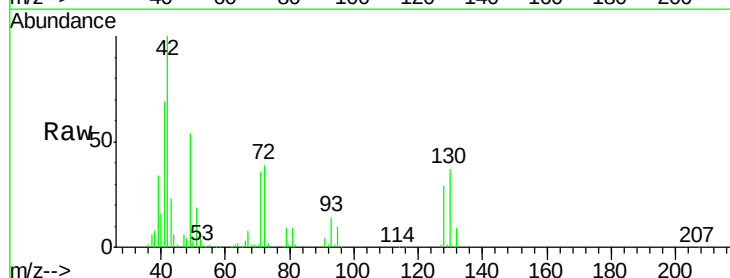
Manual Integrations
 APPROVED

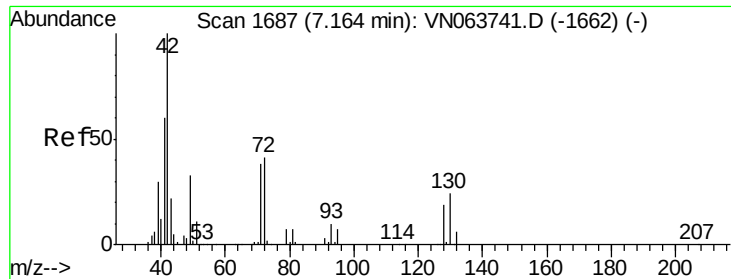
MMDadoda
 10/9/2020 4:53:03 PM



#28
 Bromochloromethane
 Concen: 57.323 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167393		
129	1.9	0.0	4.8	
130	67.5	55.6	83.4	





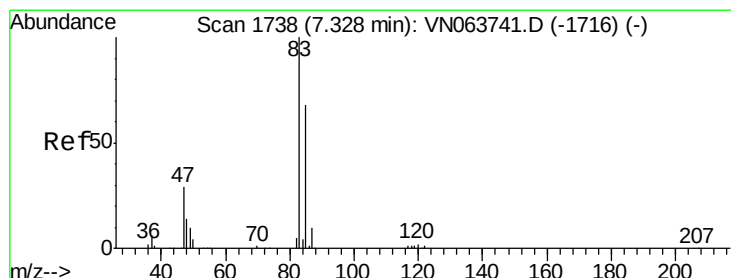
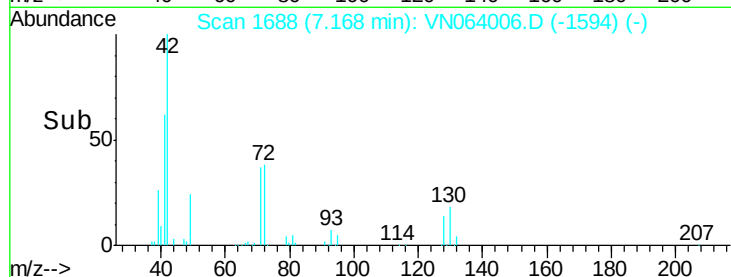
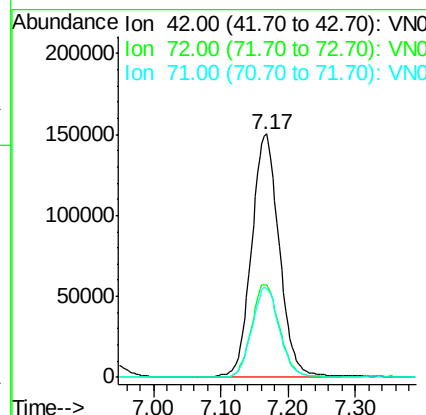
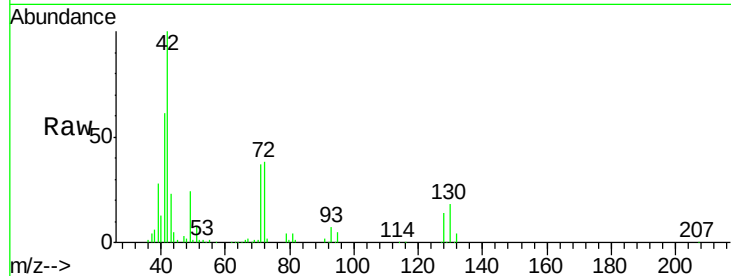
#29
Tetrahydrofuran
Concen: 331.946 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	32.8	49.2
71	36.6	30.6	45.8

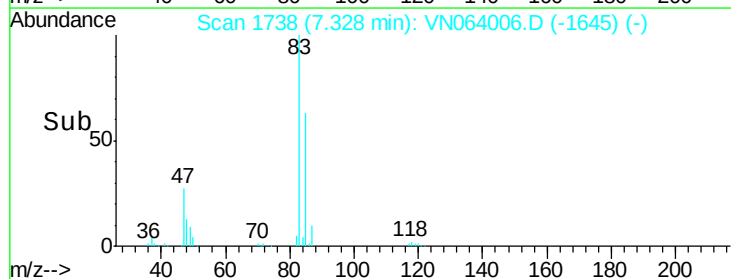
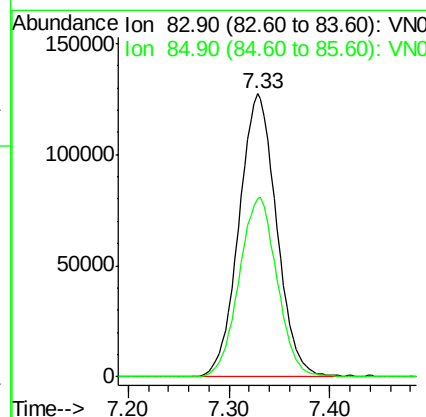
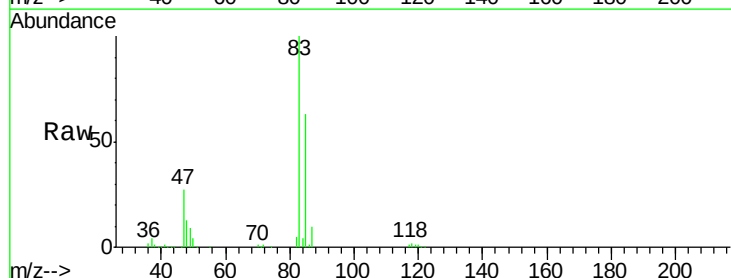
Manual Integrations
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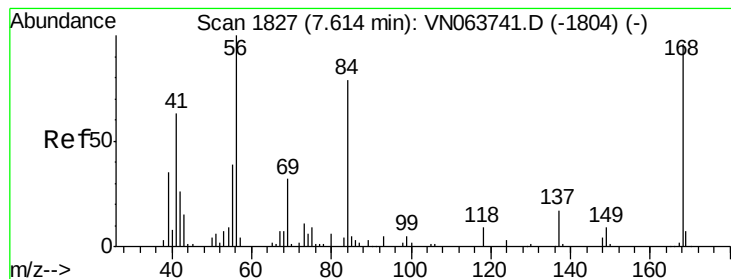
MMDadoda
10/9/2020 4:53:03 PM



#30
Chloroform
Concen: 53.320 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	54.6	82.0





#31

Cyclohexane

Concen: 43.132 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

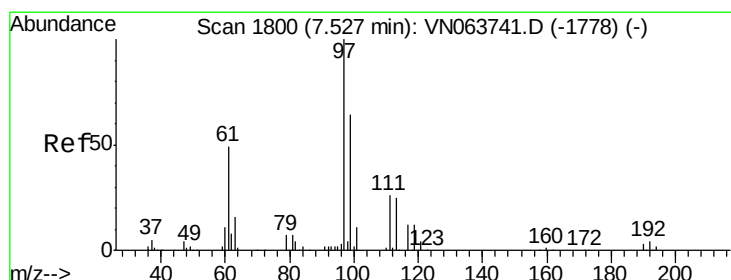
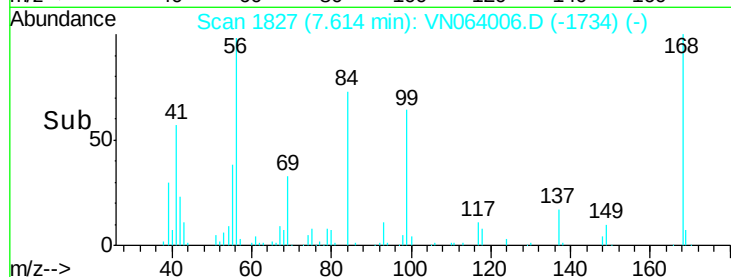
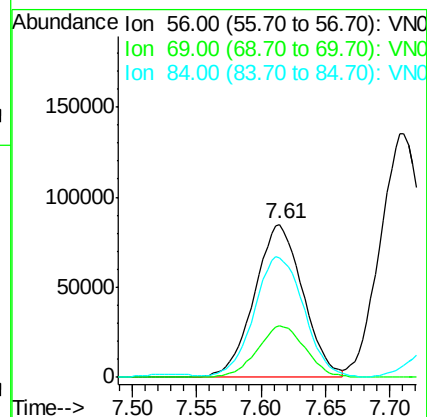
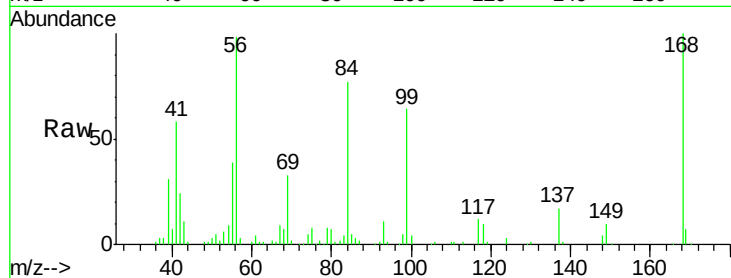
ClientSampled :

VSTDCCC050

Tot Ion	56	Resp	222089
Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.4	38.2
84	77.0	63.3	94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.087 ug/l

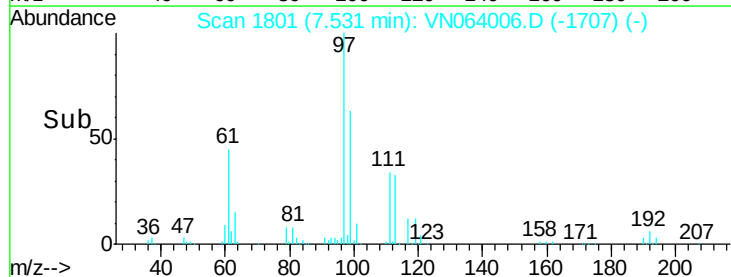
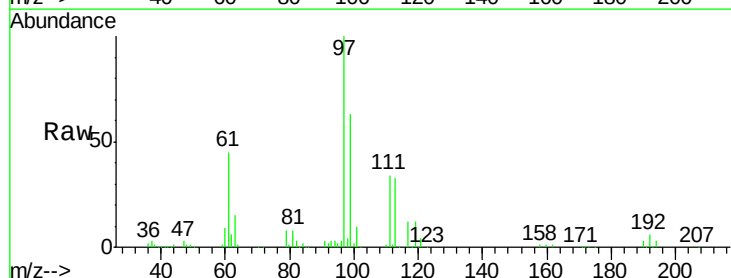
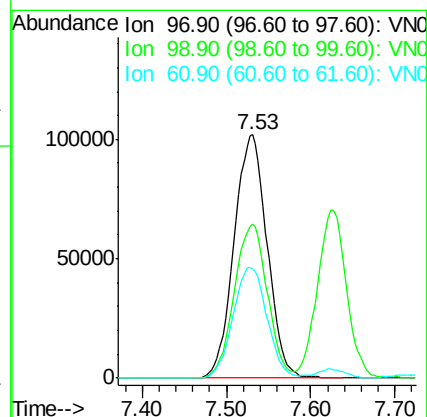
RT: 7.53 min Scan# 1801

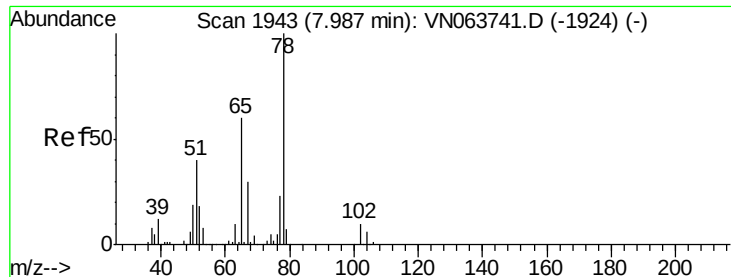
Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Tgt Ion	97	Resp	278315
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	46.6	38.7	58.1





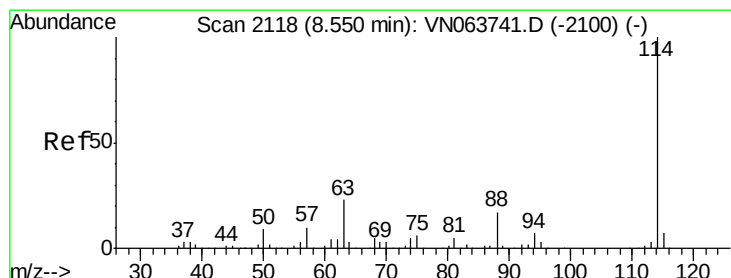
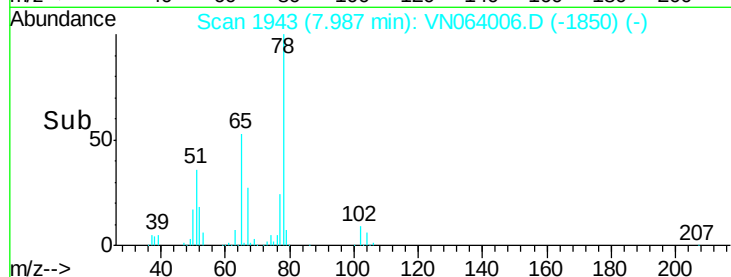
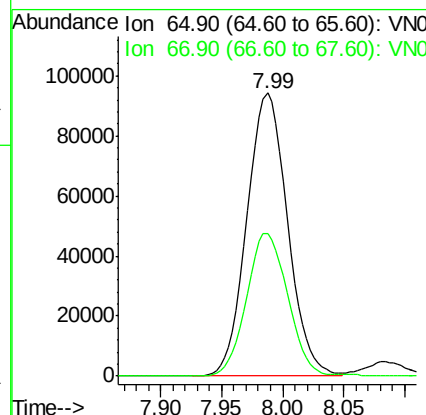
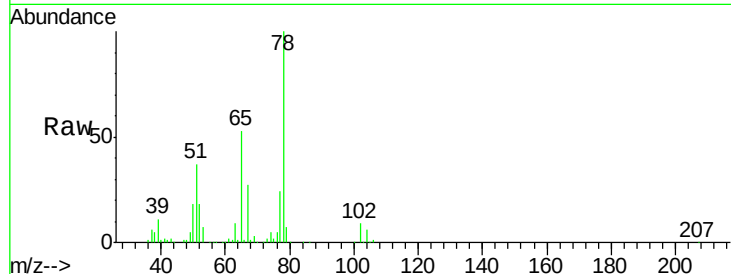
#33
 1,2-Dichloroethane-d4
 Concen: 49.060 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	99.6

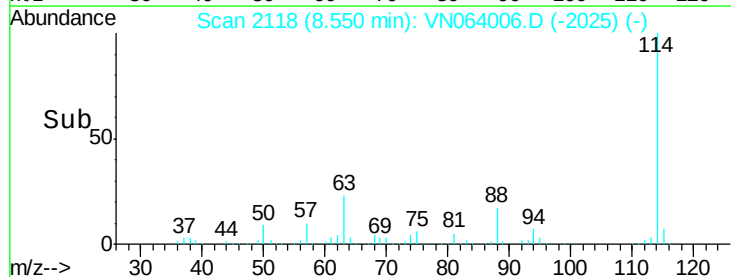
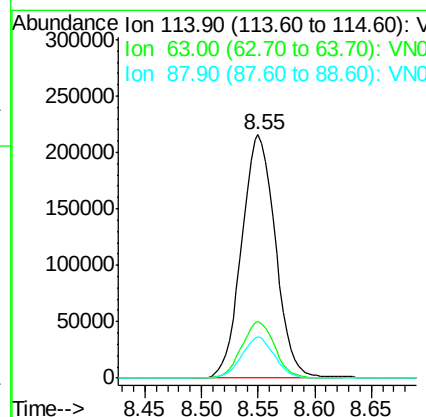
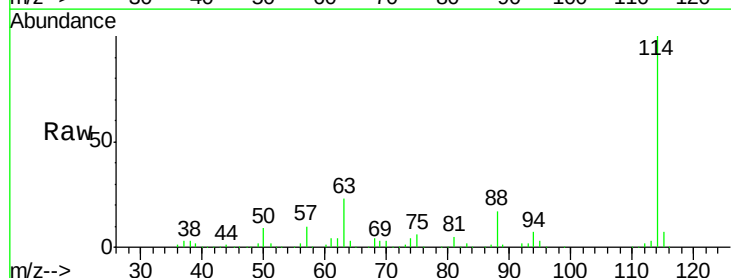
Manual Integrations
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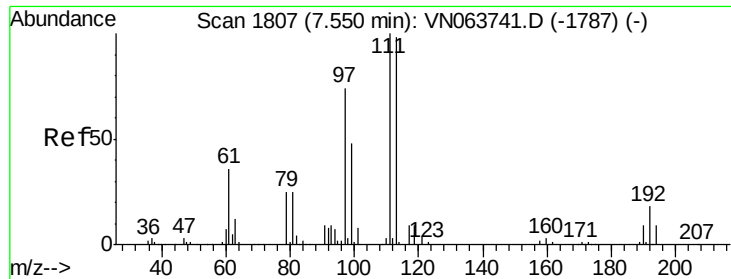
MMDadoda
 10/9/2020 4:53:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	45.0
88	17.0	0.0	34.0





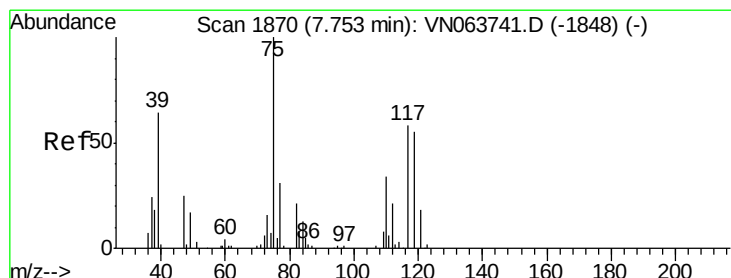
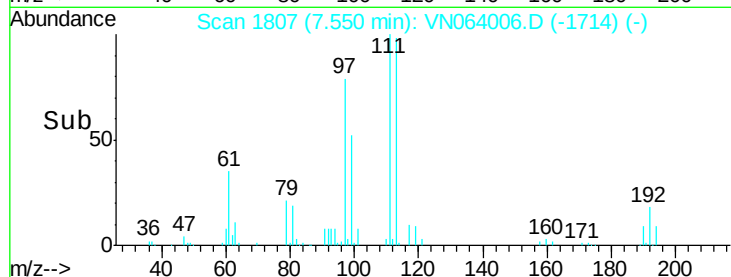
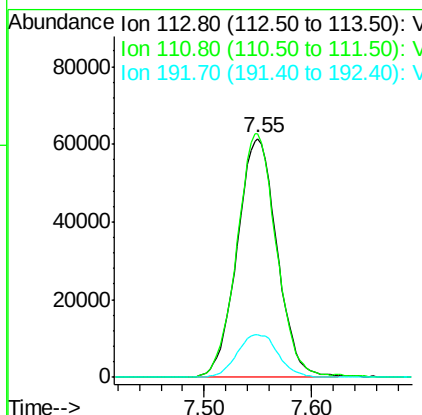
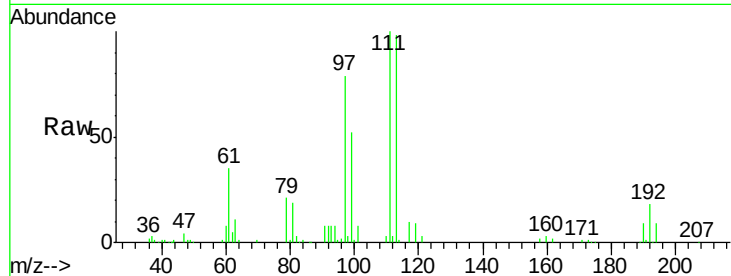
#35
 Dibromofluoromethane
 Concen: 50.837 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157836		
111	100.8	81.8	122.8	
192	18.5	14.2	21.2	

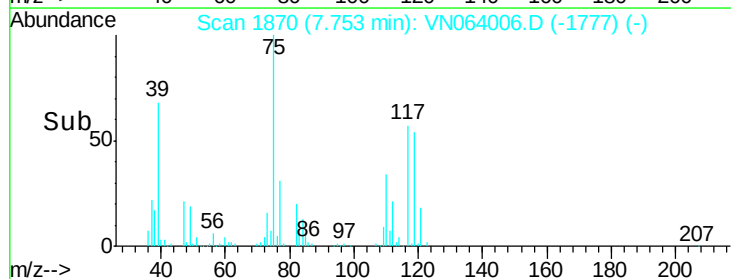
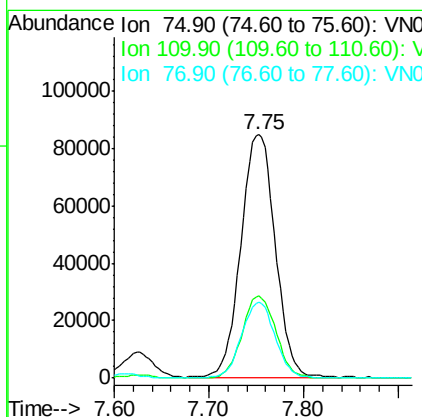
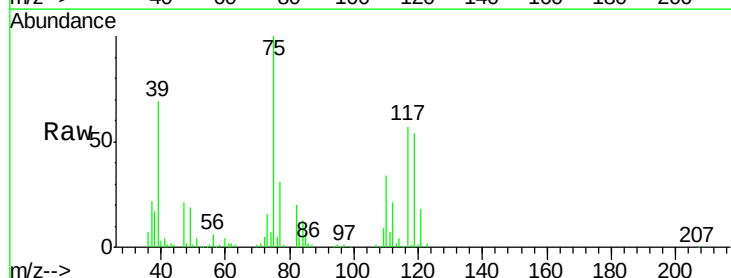
Manual Integrations
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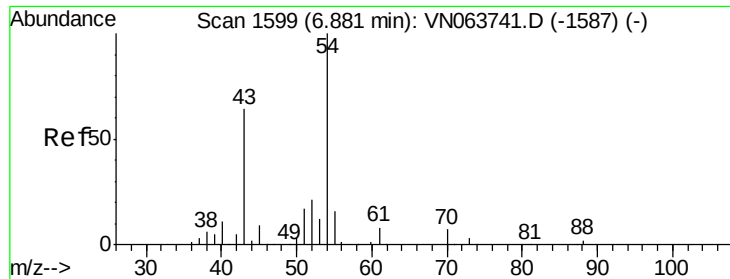
MMDadoda
 10/9/2020 4:53:03 PM



#36
 1,1-Dichloropropene
 Concen: 47.156 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213764		
110	33.2	16.9	50.6	
77	30.8	24.5	36.7	





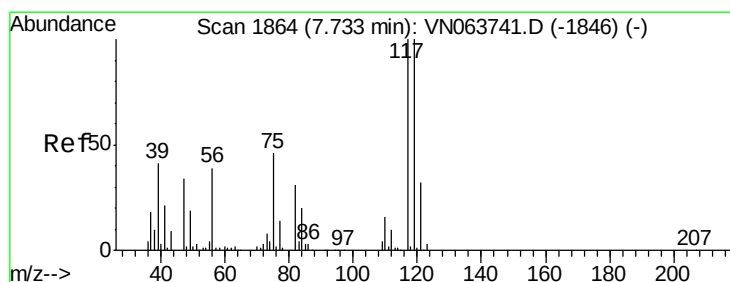
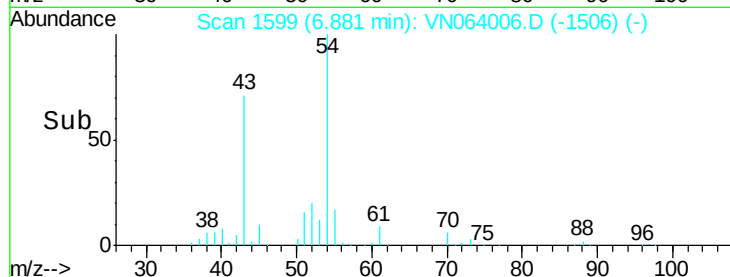
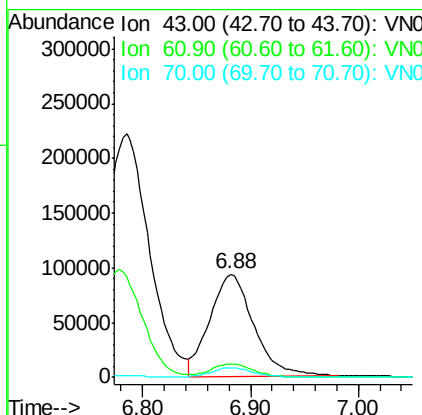
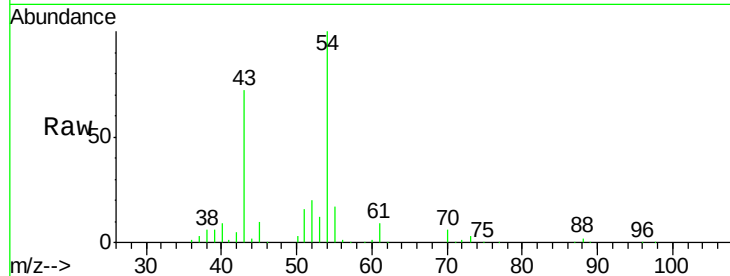
#37
Ethyl Acetate
Concen: 58.241 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	9.4	7.3	10.9

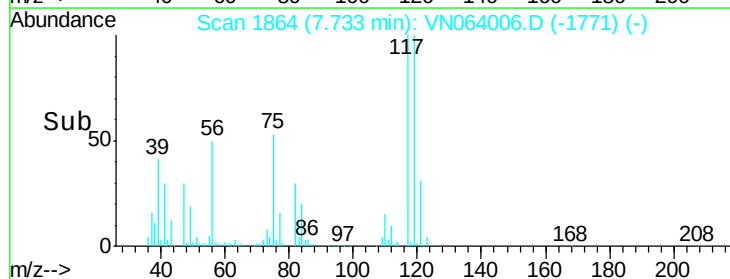
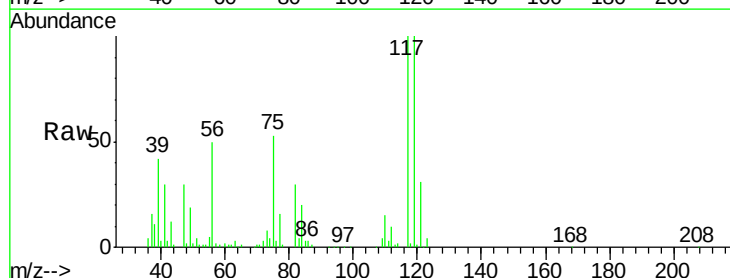
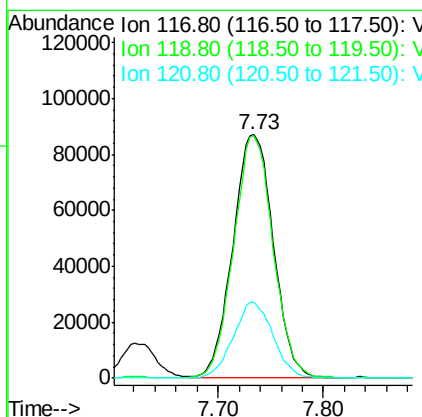
Manual Integrations
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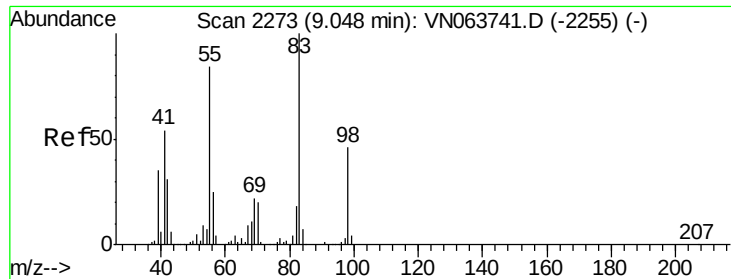
MMDadoda
10/9/2020 4:53:03 PM



#38
Carbon Tetrachloride
Concen: 45.440 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	80.1	120.1
121	31.5	25.7	38.5





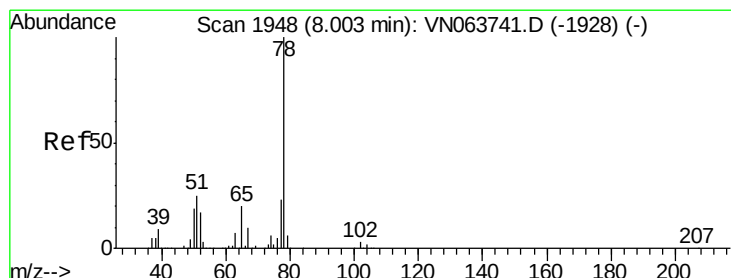
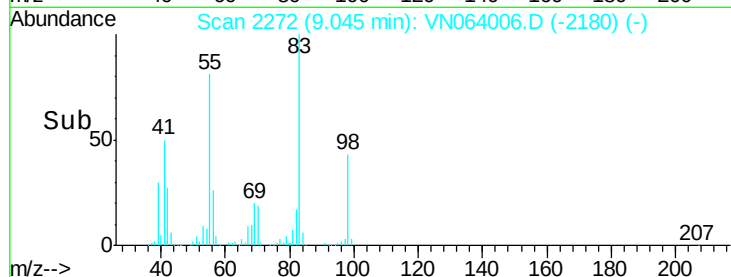
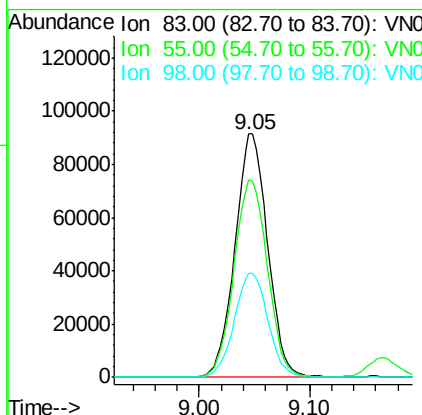
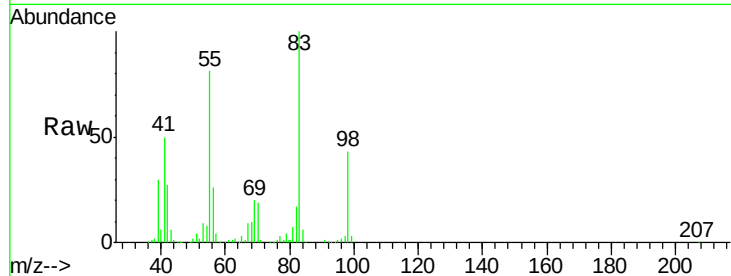
#39
Methylvlcyclohexane
Concen: 41.520 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	187694		
55	81.1	67.1	100.7	
98	42.9	36.6	54.8	

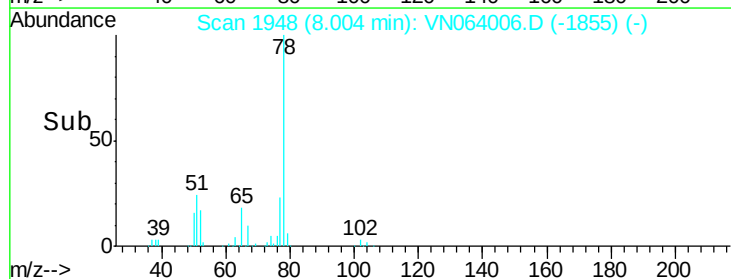
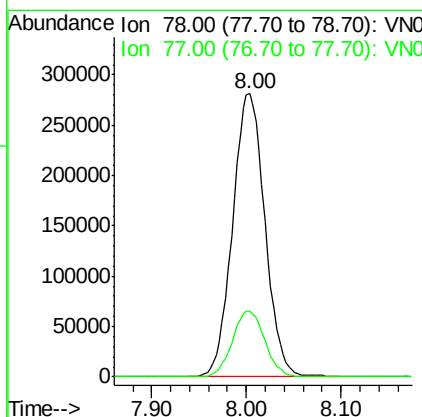
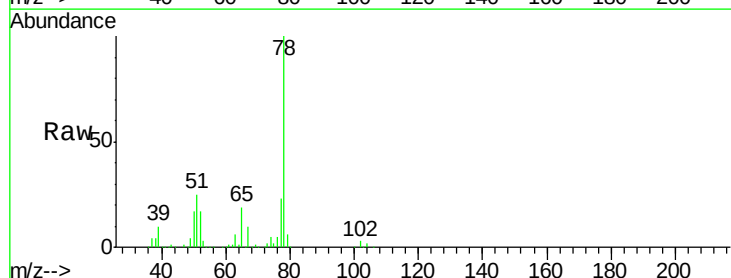
Manual Integrations
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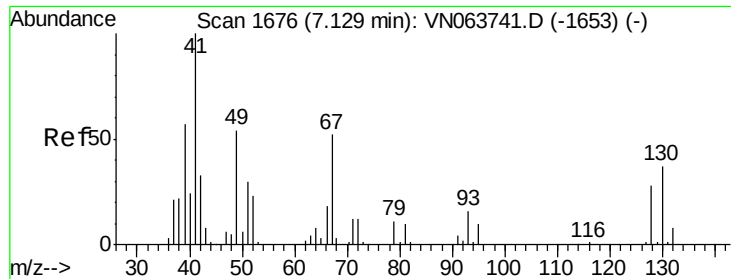
MMDadoda
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#40
Benzene
Concen: 51.547 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	667410		
77	23.2	18.7	28.1	





#41

Methacrylonitrile

Concen: 53.545 ug/l m

RT: 7.13 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 107176
Ion Ratio Lower Upper

41 100

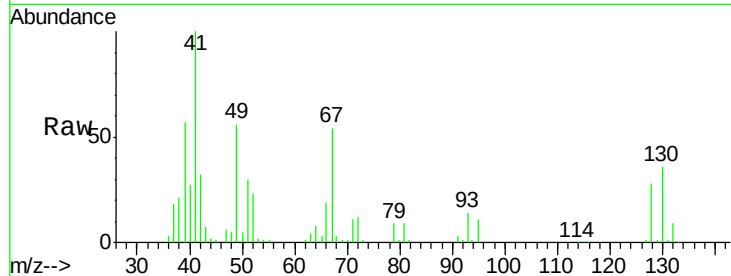
39 0.0 42.5 63.7#

67 0.0 57.4 86.2#

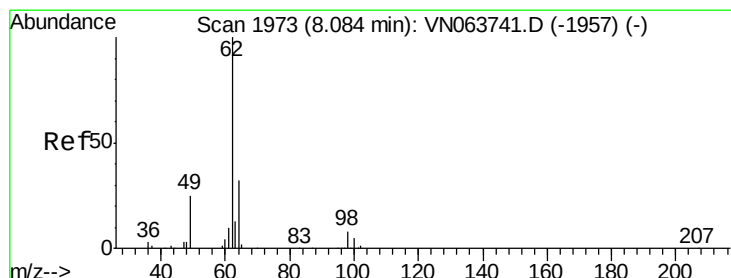
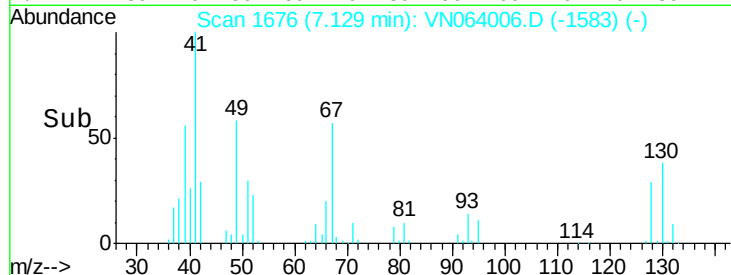
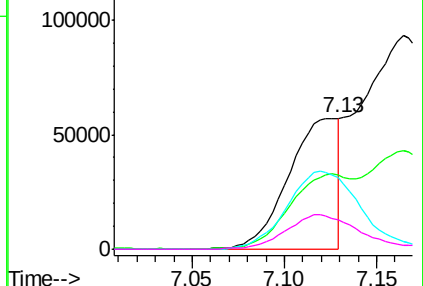
52 0.0 26.9 40.3#

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 50.693 ug/l

RT: 8.08 min Scan# 1973

Delta R.T. 0.00 min

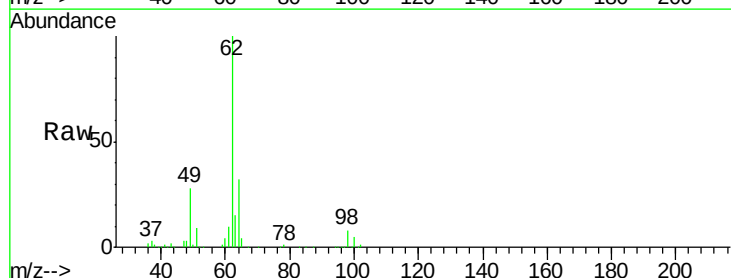
Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

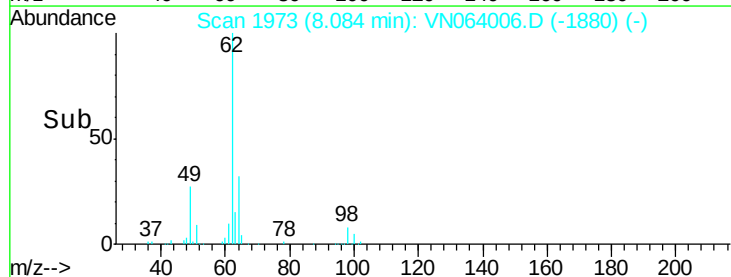
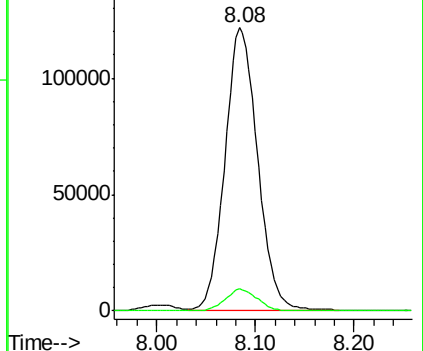
Tgt Ion: 62 Resp: 280172
Ion Ratio Lower Upper

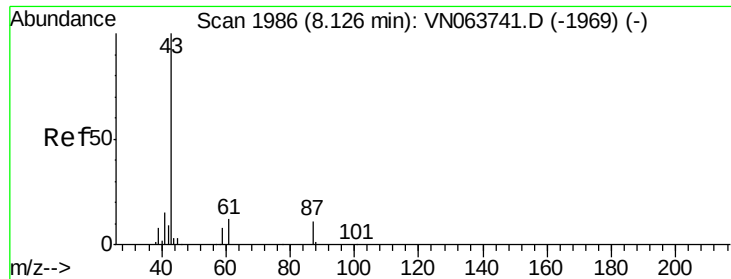
62 100

98 7.6 0.0 15.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 58.634 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

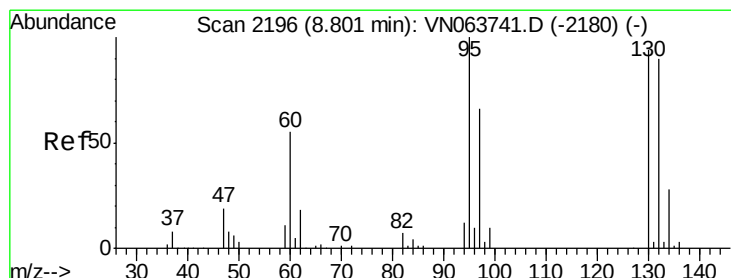
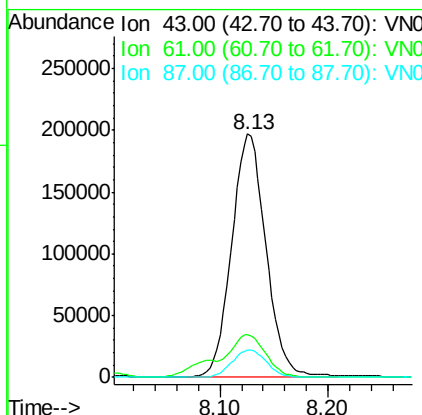
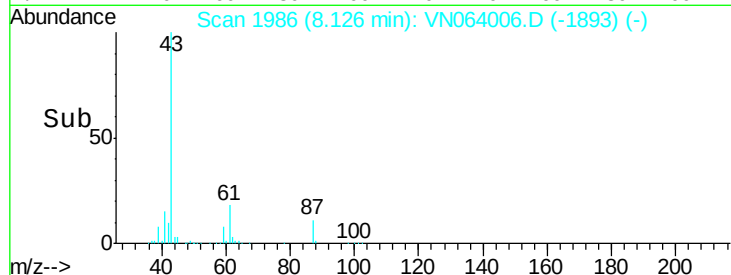
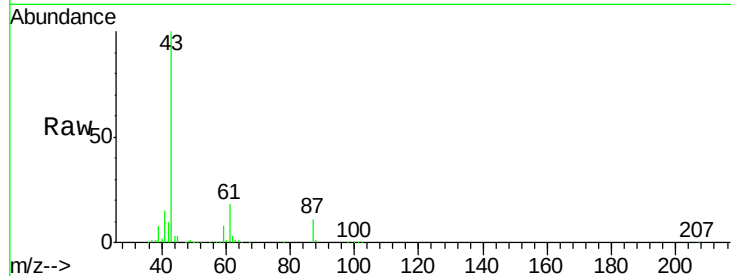
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	435571
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.2	21.4
87	11.4	9.0	13.6

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#44

Trichloroethene

Concen: 47.359 ug/l

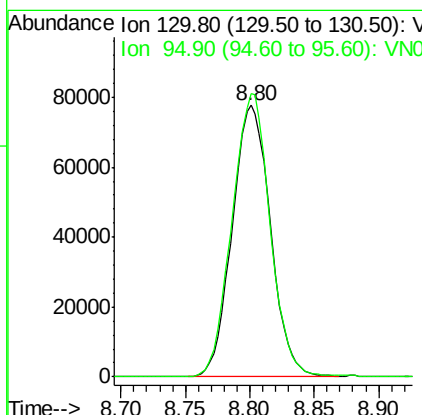
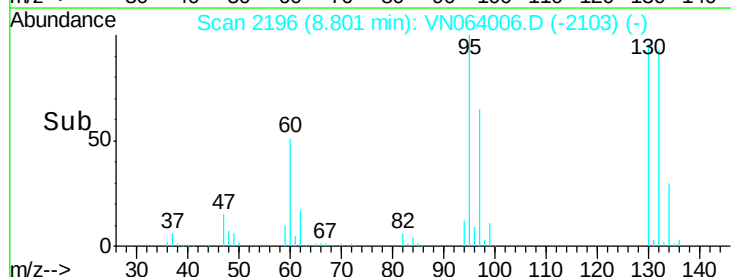
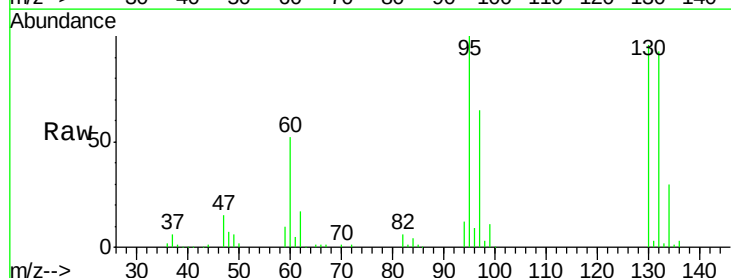
RT: 8.80 min Scan# 2196

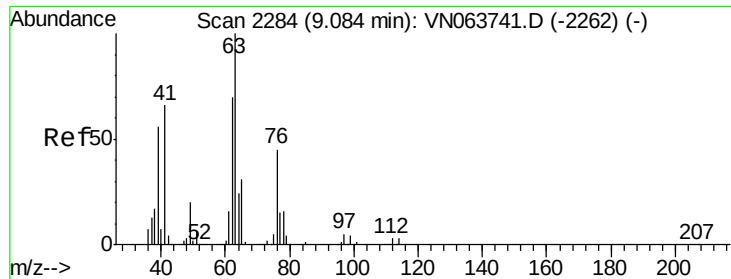
Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Tgt Ion:	130	Resp:	160662
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	213.6





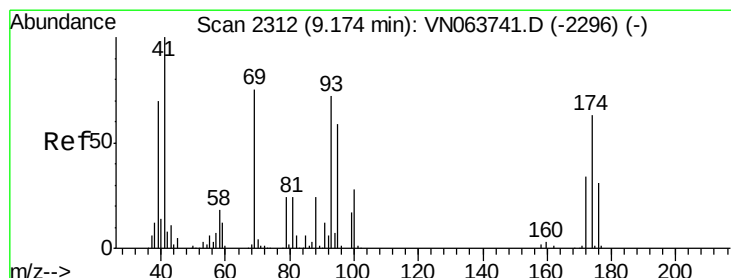
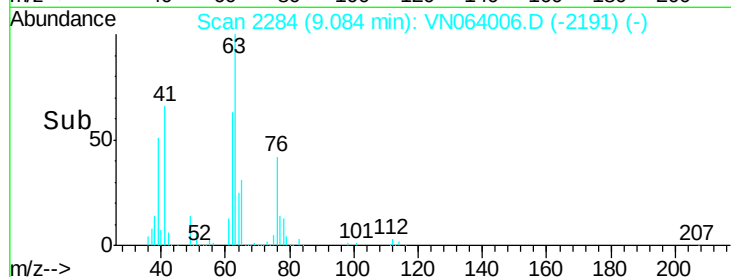
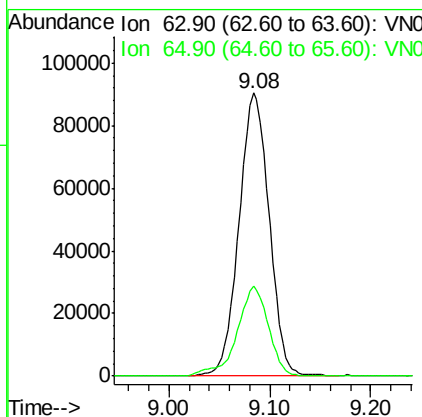
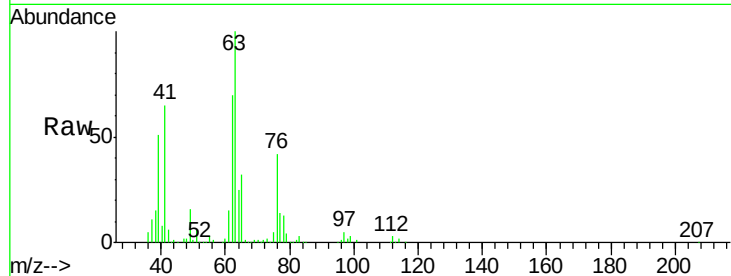
#45
 1,2-Dichloropropane
 Concen: 53.646 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 187587
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.7 37.1

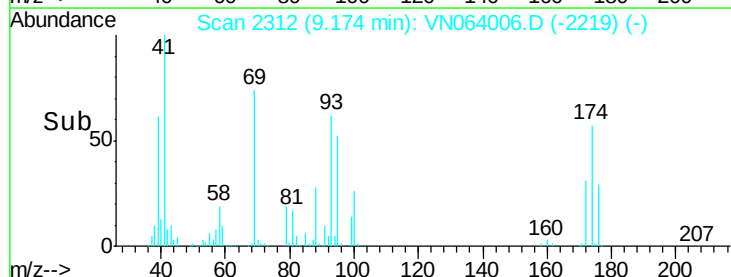
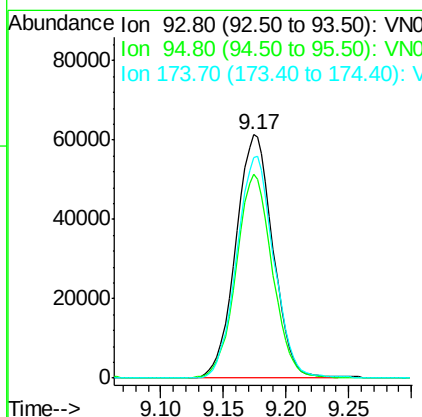
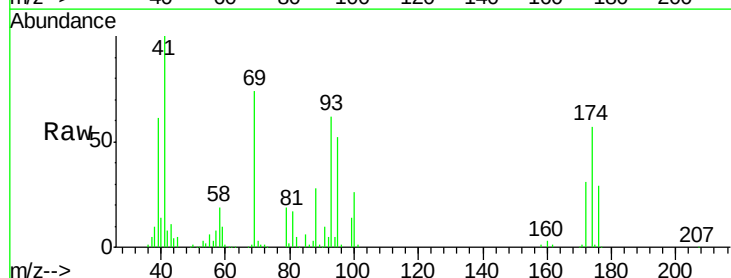
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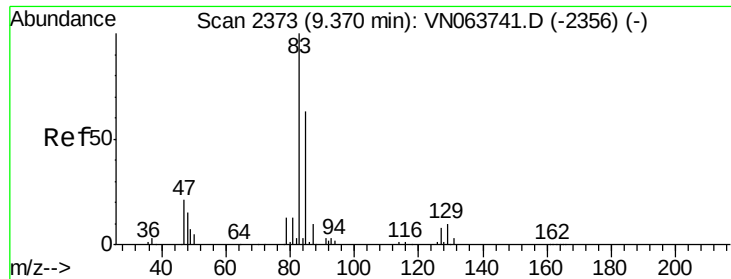
MMDadoda
 10/9/2020 4:53:03 PM



#46
 Dibromomethane
 Concen: 52.362 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion: 93 Resp: 126310
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.3 99.5
 174 91.2 72.7 109.1





#47

Bromodichloromethane

Concen: 52.194 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

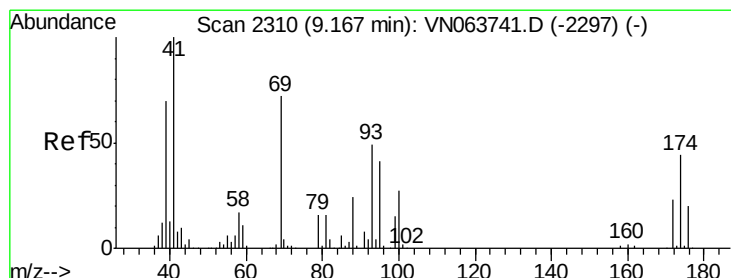
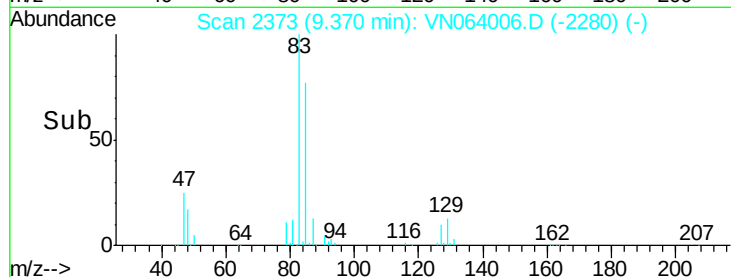
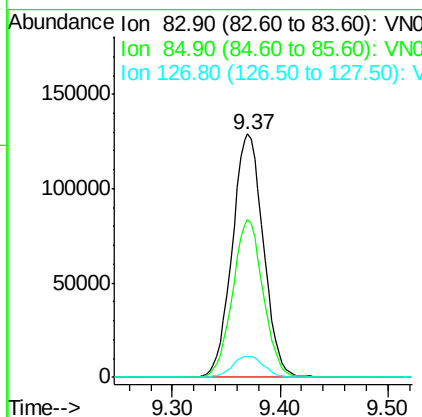
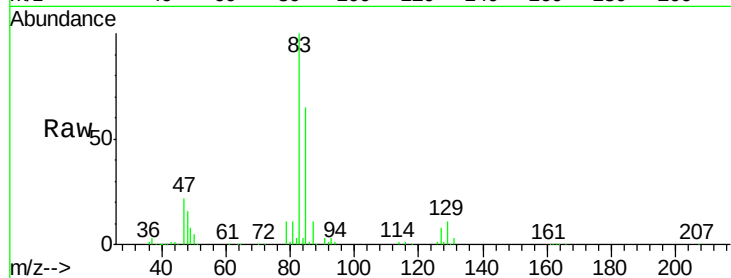
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	259482
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.6	75.8
127	8.5	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 61.632 ug/l

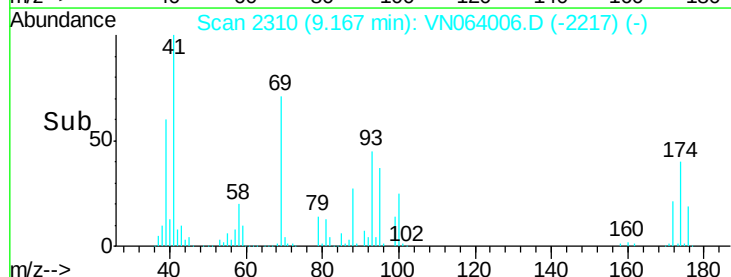
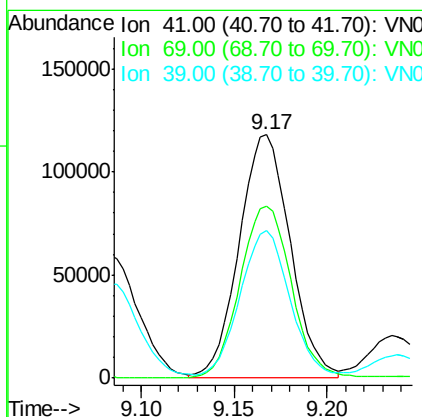
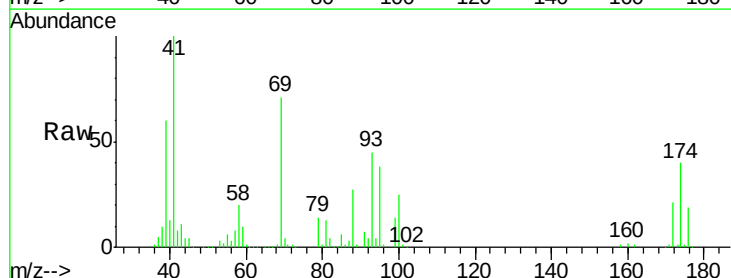
RT: 9.17 min Scan# 2310

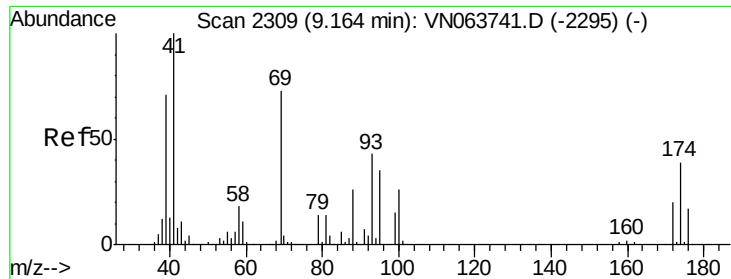
Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Tgt Ion	41	Resp	226201
Ion Ratio	Lower	Upper	
41	100		
69	71.7	60.9	91.3
39	58.7	57.5	86.3





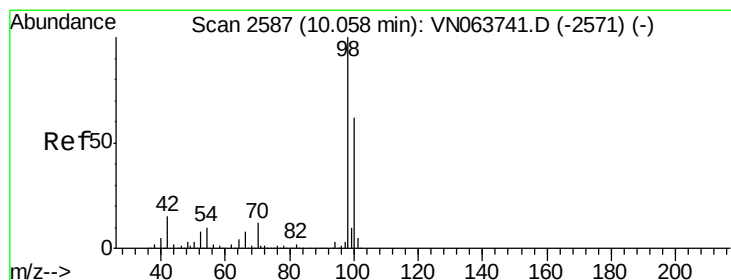
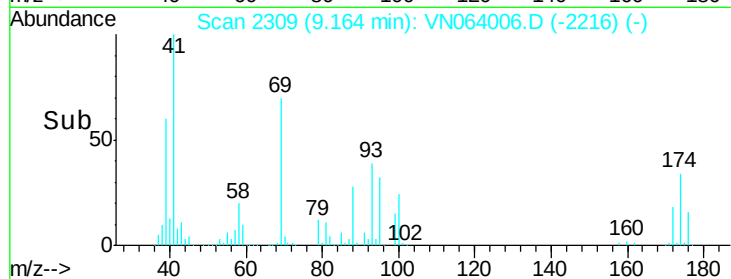
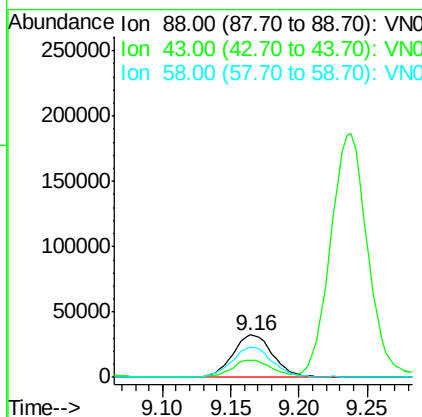
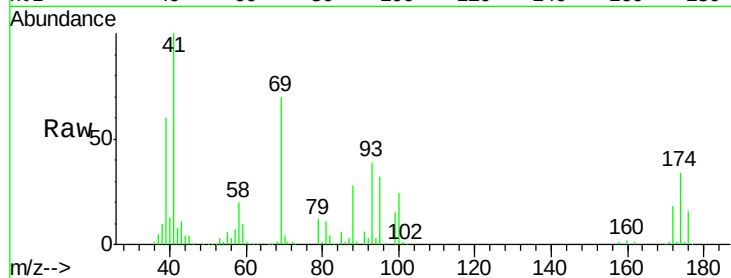
#49
 1,4-Dioxane
 Concen: 1283.756 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	33.1	49.7
58	70.9	58.9	88.3

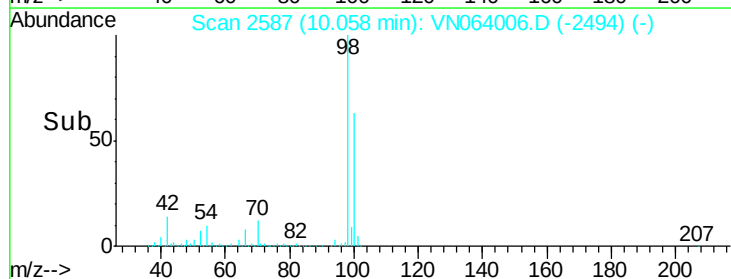
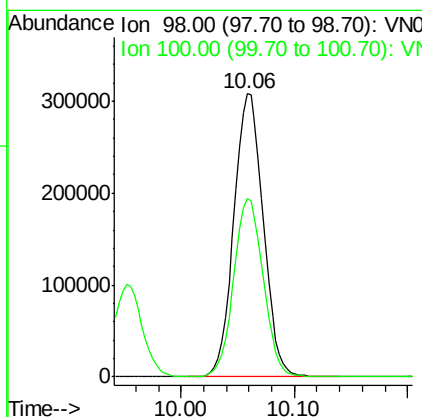
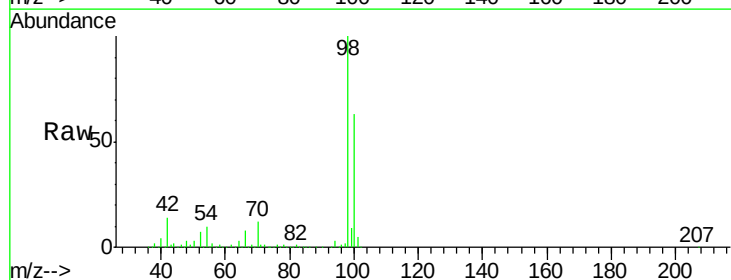
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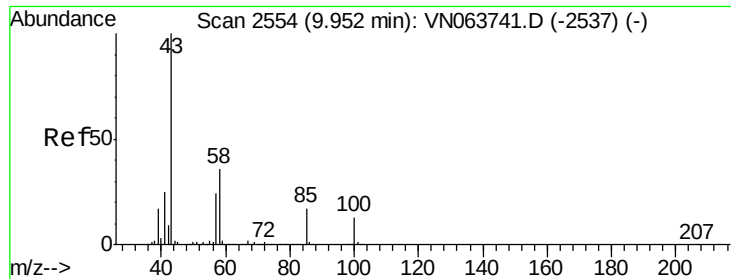
MMDadoda
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#50
 Toluene-d8
 Concen: 47.428 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 319.683 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1393645

Ion Ratio Lower Upper

43 100

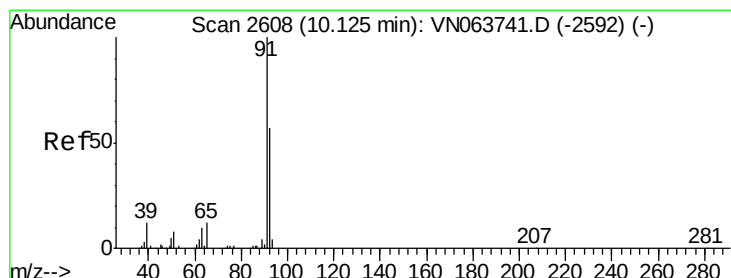
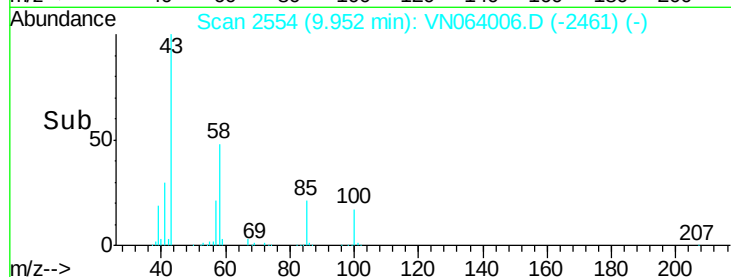
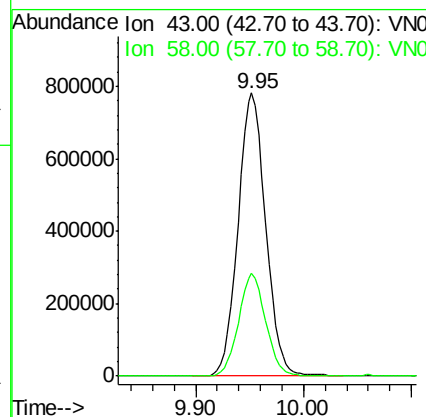
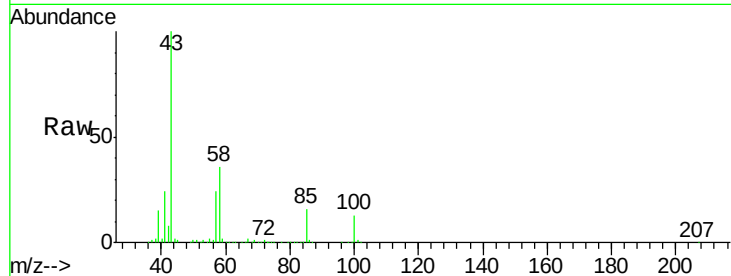
58 35.7 28.4 42.6

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#52

Toluene

Concen: 50.514 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064006.D

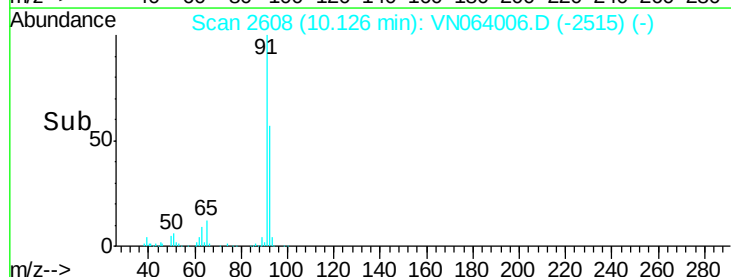
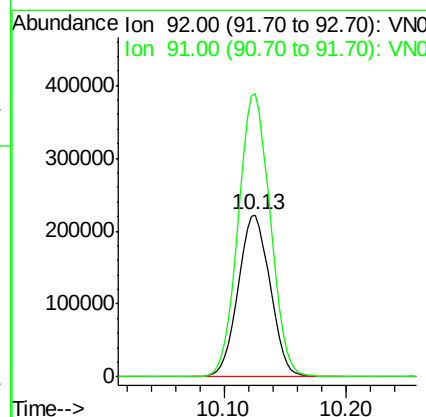
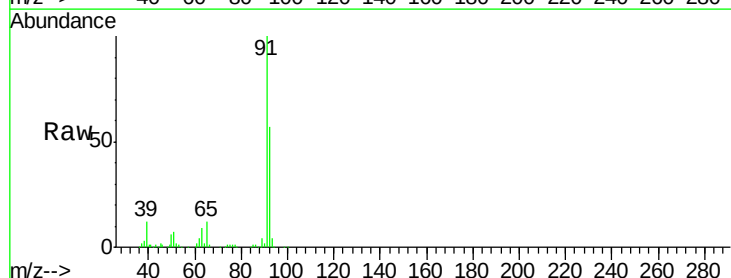
Acq: 8 Oct 2020 22:28

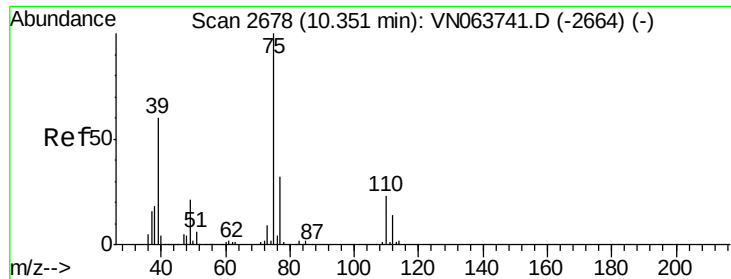
Tgt Ion: 92 Resp: 404542

Ion Ratio Lower Upper

92 100

91 175.0 140.6 210.8





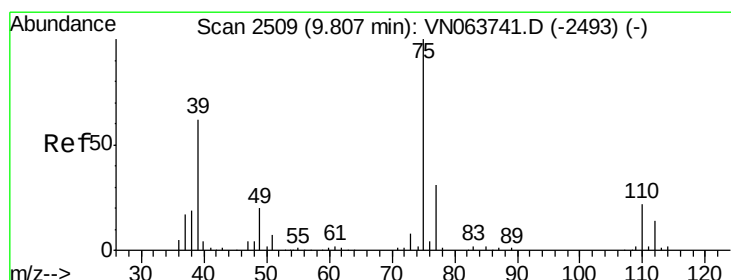
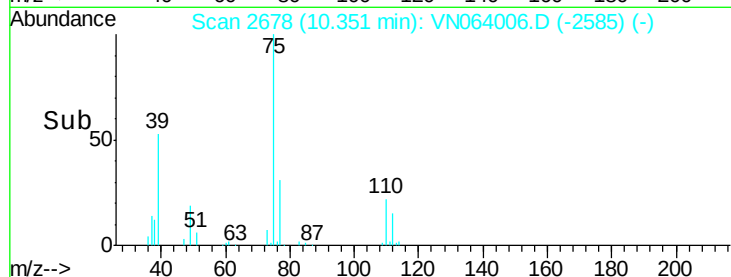
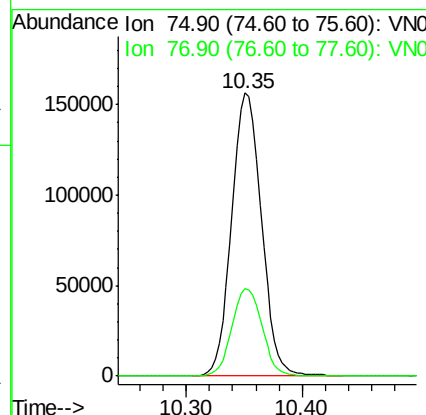
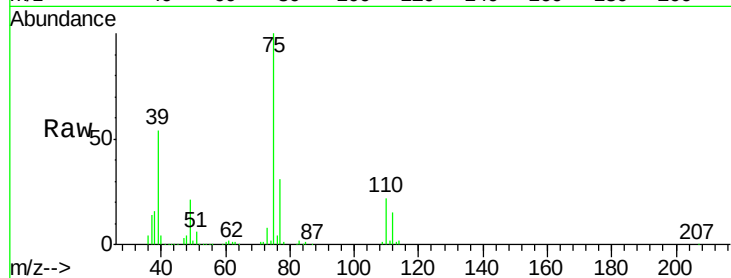
#53
 t-1,3-Dichloropropene
 Concen: 52.210 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 278231
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.3 37.9

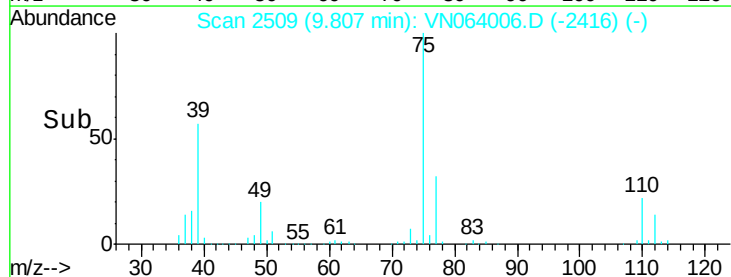
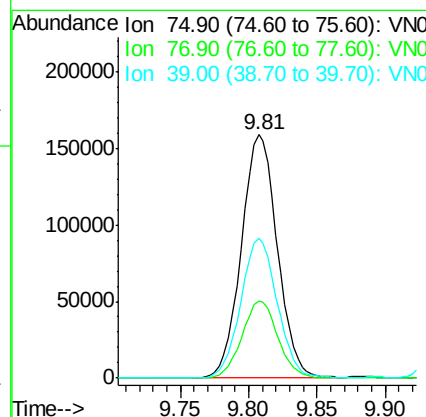
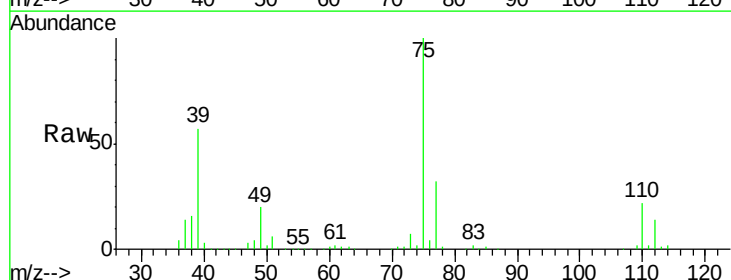
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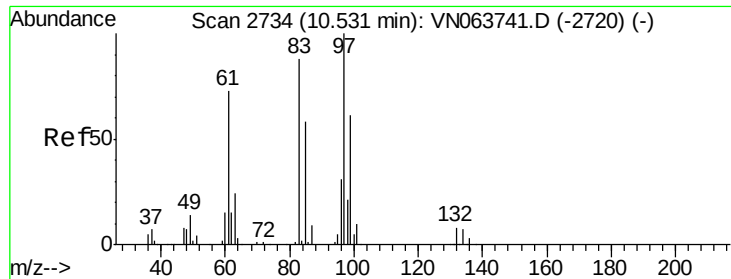
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 52.151 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion: 75 Resp: 290655
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 36.8
 39 57.1 49.7 74.5





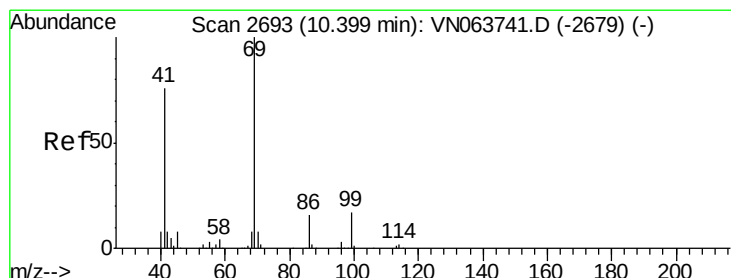
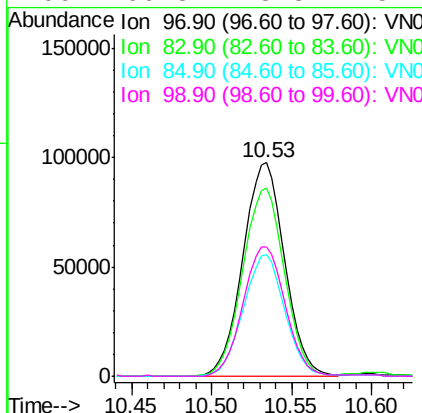
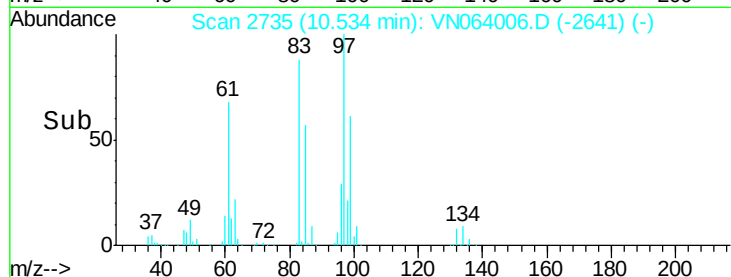
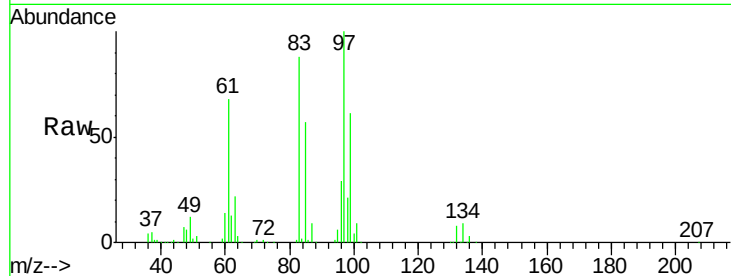
#55
 1,1,2-Trichloroethane
 Concen: 54.233 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	174181
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.7	106.1
85	56.9	46.1	69.1
99	60.8	48.8	73.2

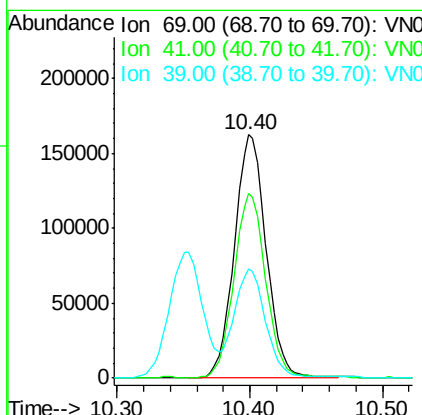
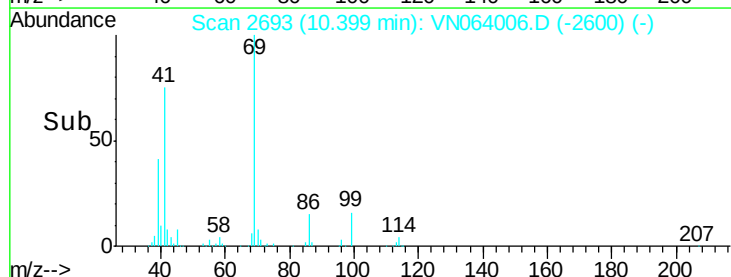
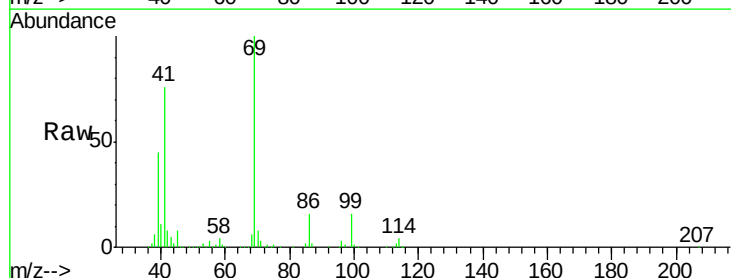
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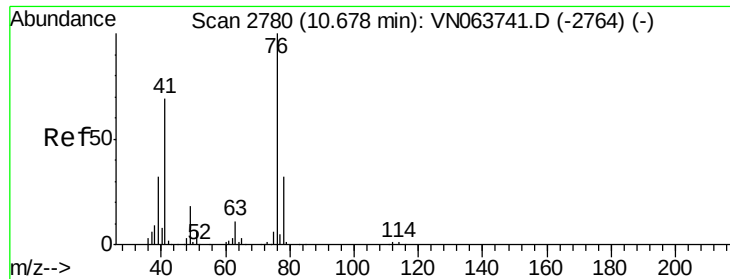
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#56
 Ethyl methacrylate
 Concen: 59.438 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion:	69	Resp:	270588
Ion	Ratio	Lower	Upper
69	100		
41	75.1	61.1	91.7
39	43.1	42.2	63.4





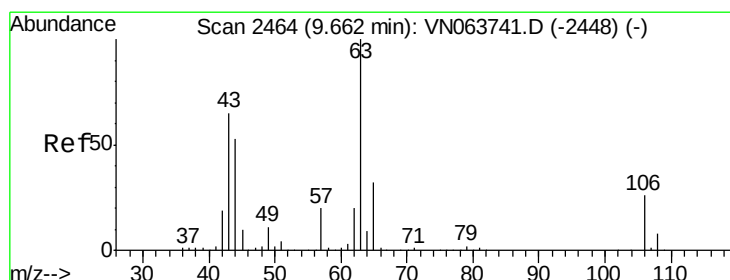
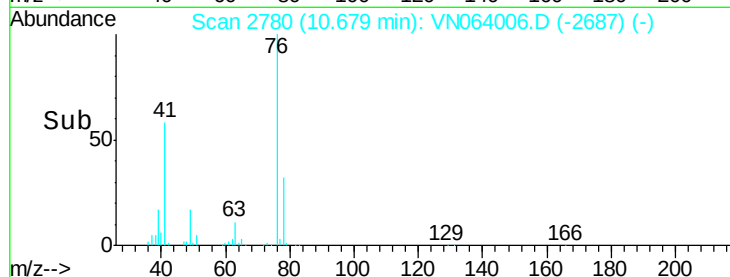
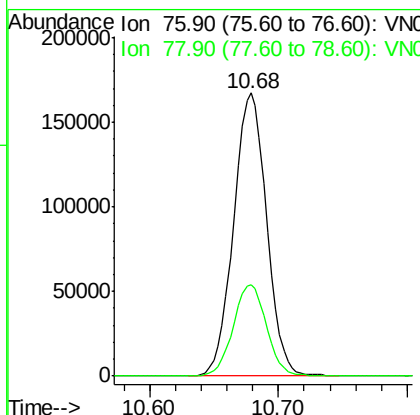
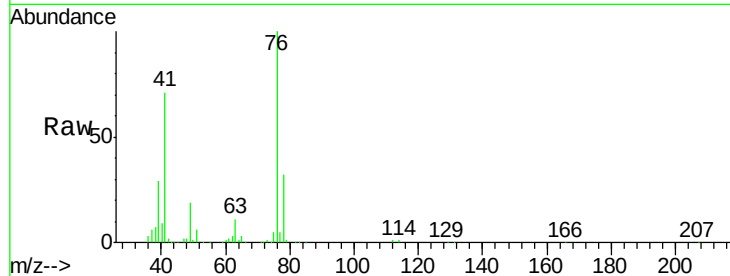
#57
 1,3-Dichloropropane
 Concen: 54.729 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.2	37.8

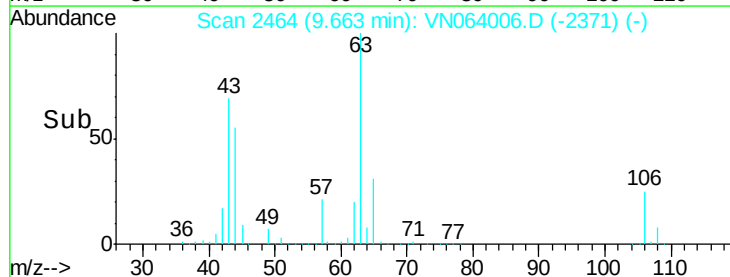
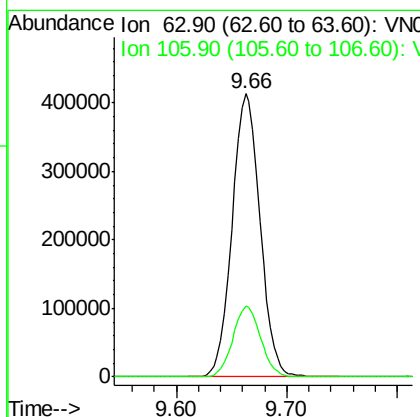
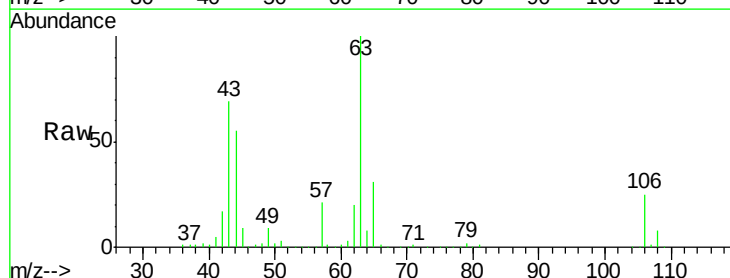
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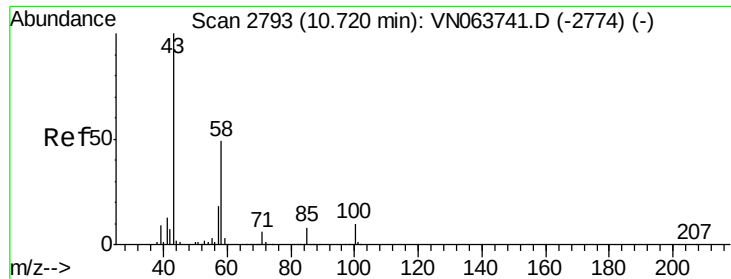
MMDadoda
 10/9/2020 4:53:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 298.466 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	20.7	31.1





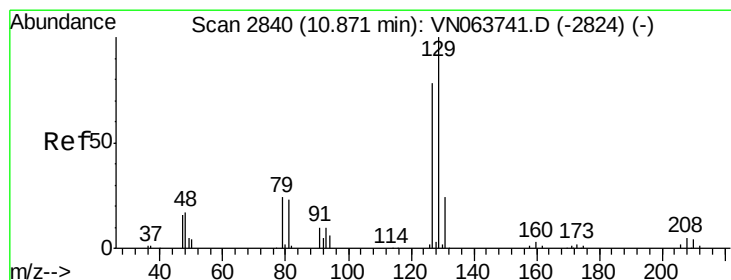
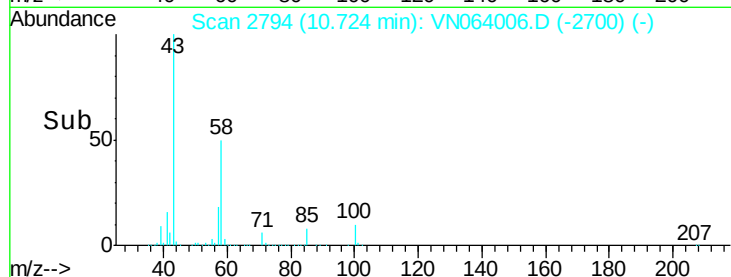
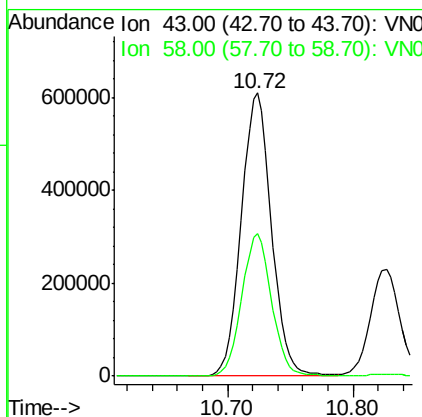
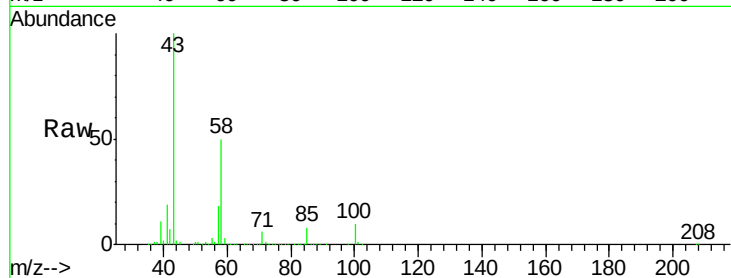
#59
2-Hexanone
Concen: 314.557 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1018685
Ion Ratio Lower Upper
43 100
58 49.9 24.6 73.8

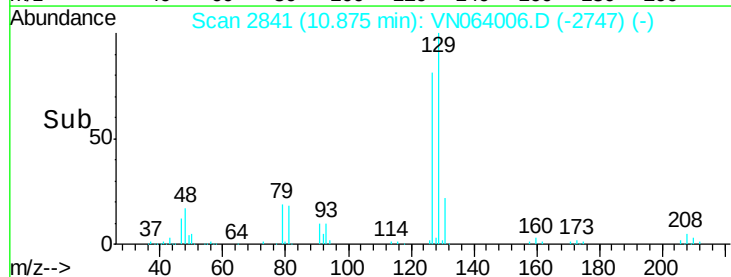
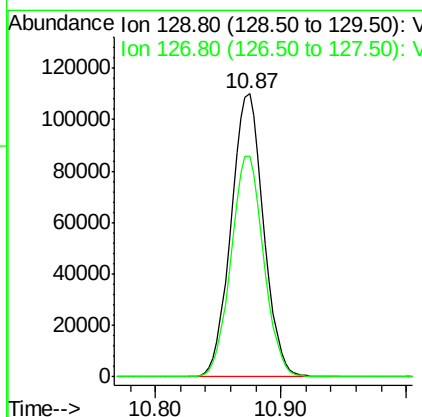
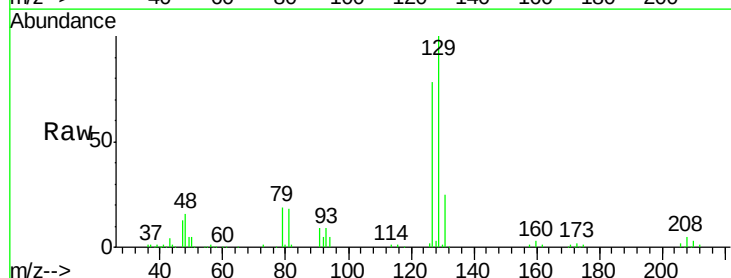
Manual Integrations
APPROVED

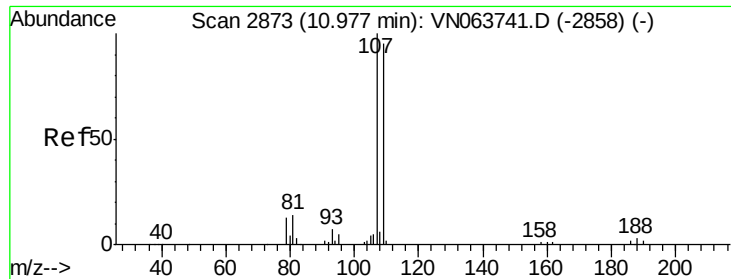
MMDadoda
10/9/2020 4:53:03 PM



#60
Dibromochloromethane
Concen: 52.930 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion: 129 Resp: 197973
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





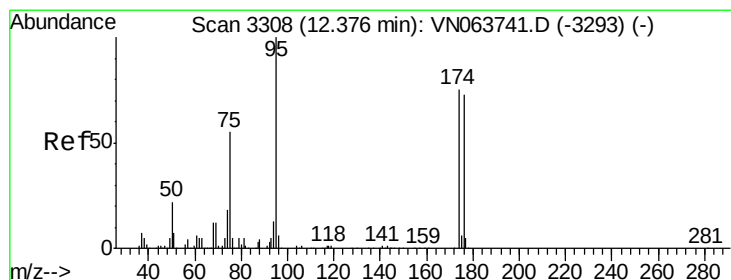
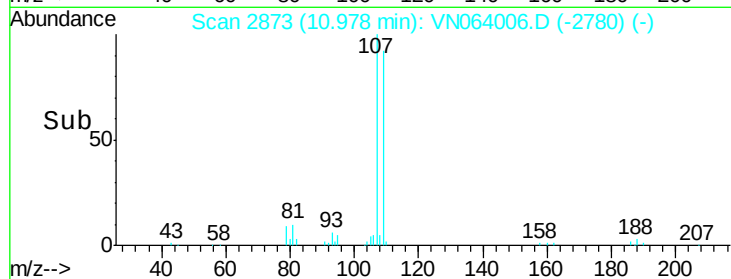
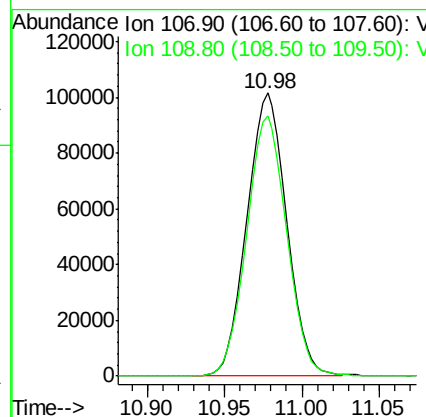
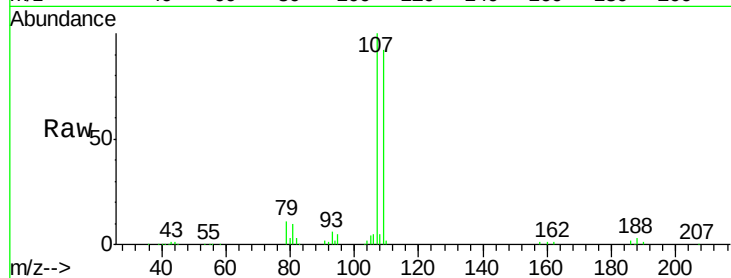
#61
 1,2-Dibromoethane
 Concen: 55.371 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	74.8	112.2

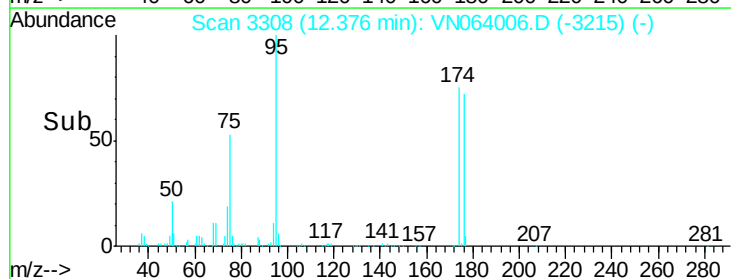
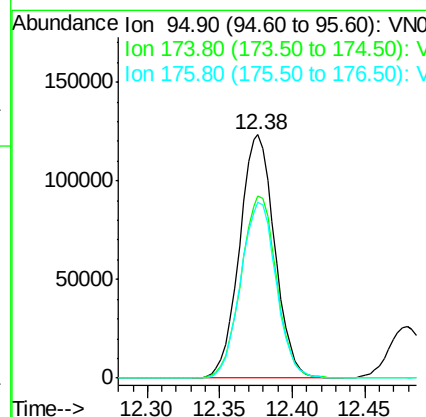
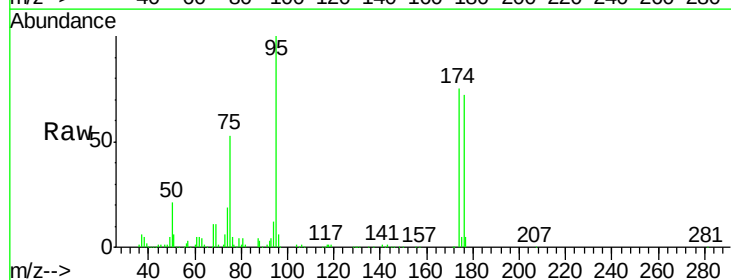
Manual Integrations
 APPROVED

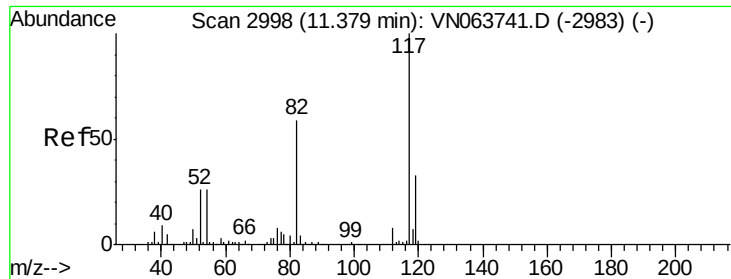
MMDadoda
 10/9/2020 4:53:03 PM



#62
 4-Bromofluorobenzene
 Concen: 46.904 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.6
176	73.3	0.0	145.4





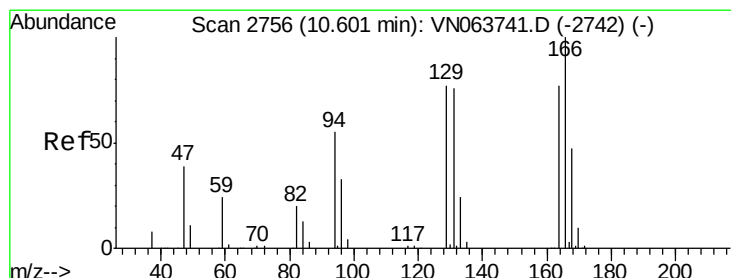
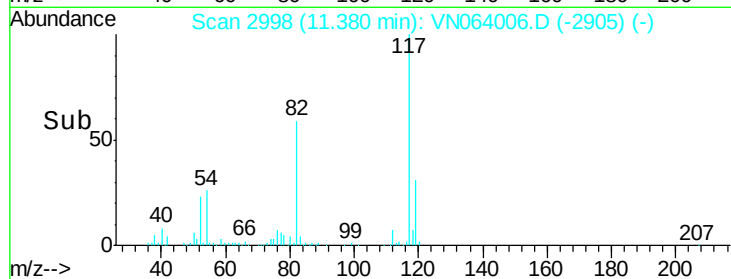
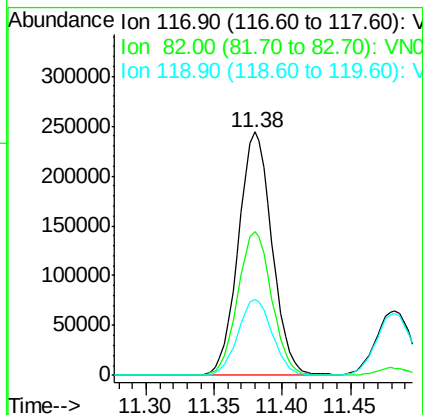
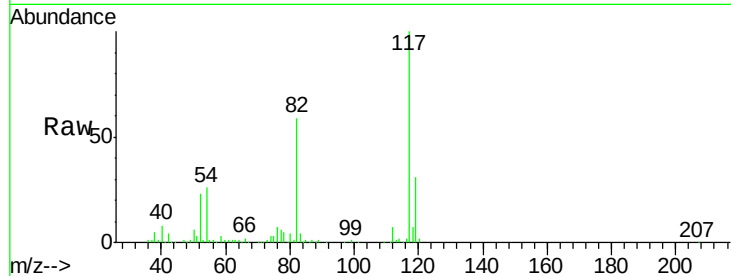
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.4	71.2
119	31.3	26.4	39.6

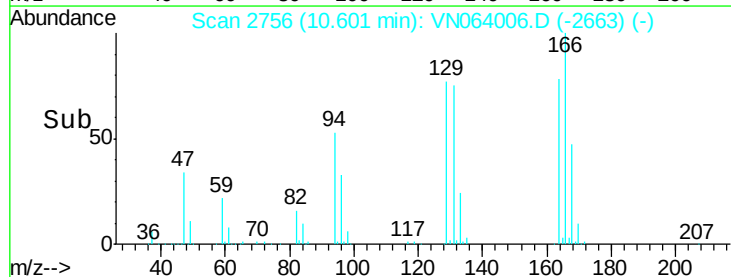
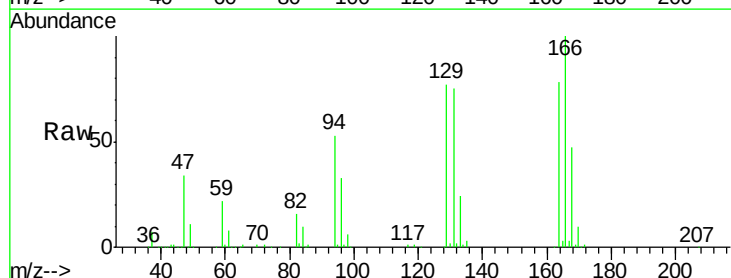
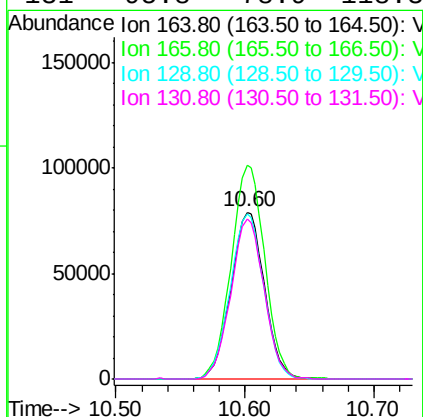
Manual Integrations
APPROVED

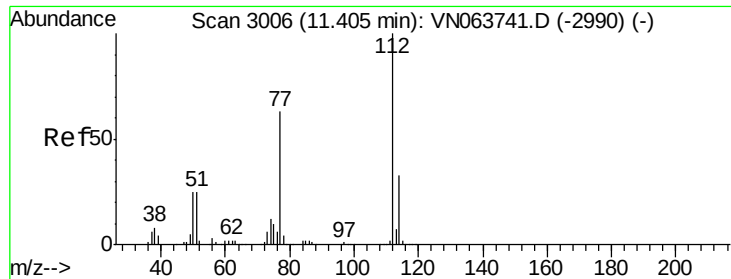
MMDadoda
10/9/2020 4:53:03 PM



#64
Tetrachloroethene
Concen: 44.175 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.9	155.9
129	98.8	80.3	120.5
131	95.8	78.9	118.3





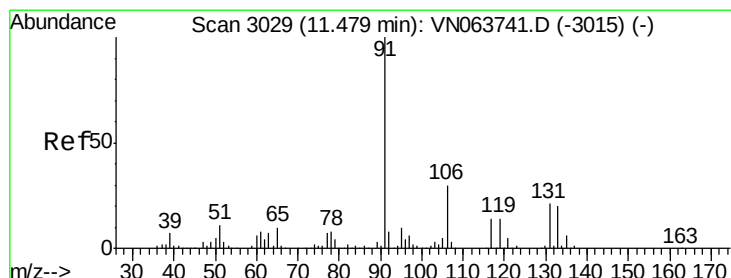
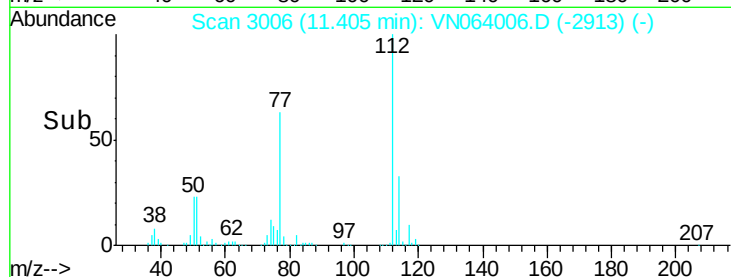
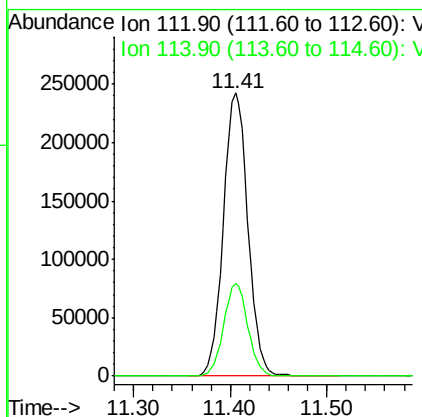
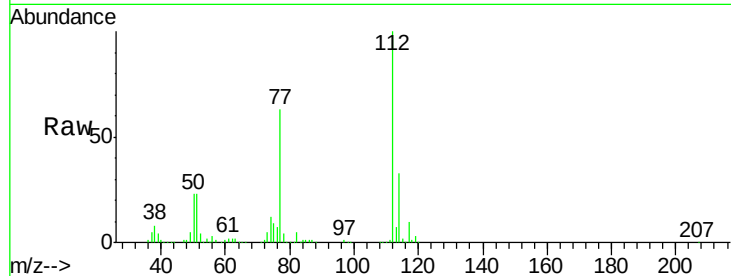
#65
Chlorobenzene
Concen: 49.801 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 427101
Ion Ratio Lower Upper
112 100
114 32.9 26.1 39.1

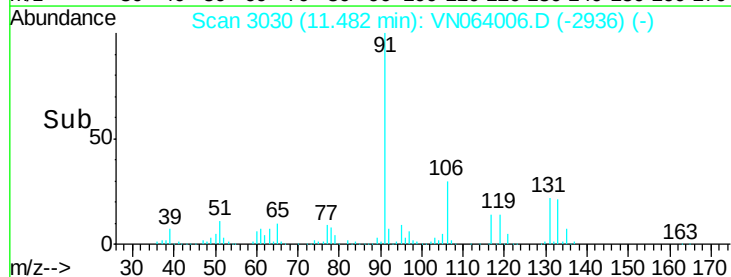
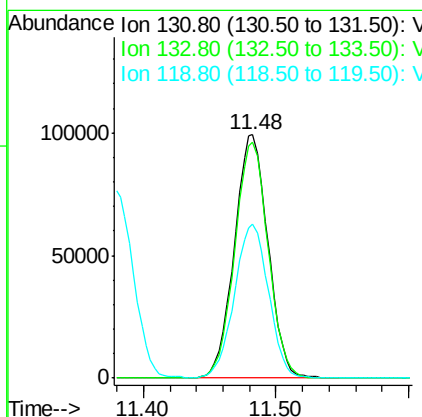
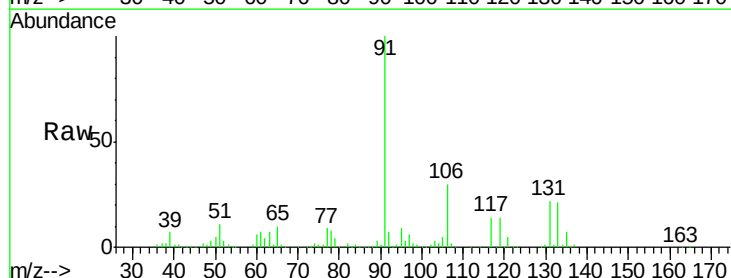
Manual Integrations
APPROVED

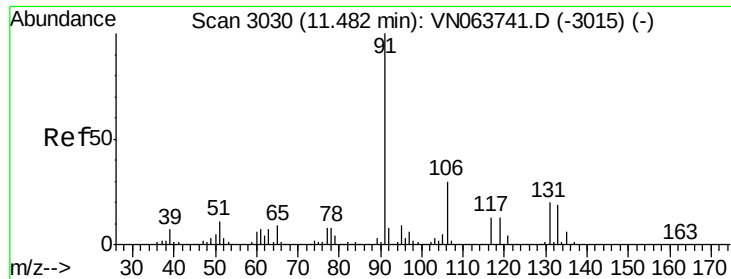
MMDadoda
10/9/2020 4:53:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.070 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion:131 Resp: 174487
Ion Ratio Lower Upper
131 100
133 96.2 47.3 141.8
119 64.2 32.6 97.7





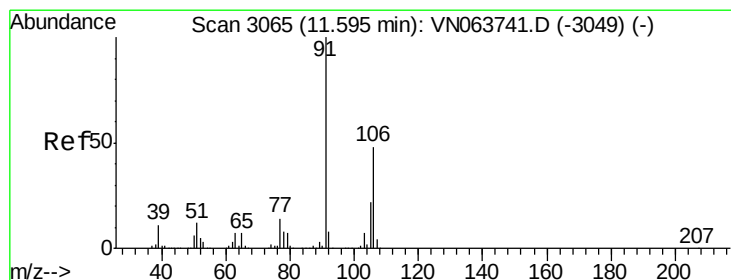
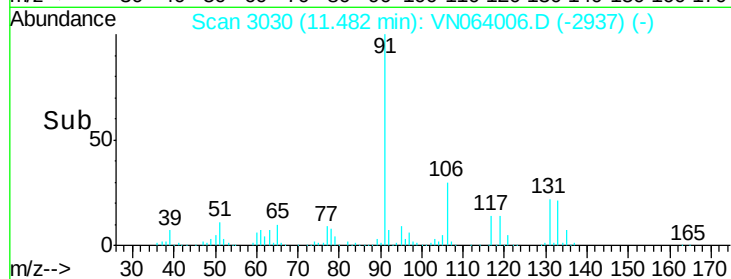
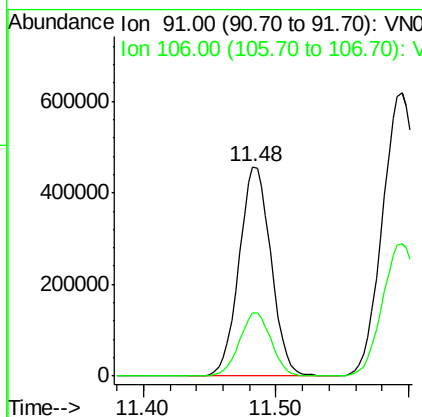
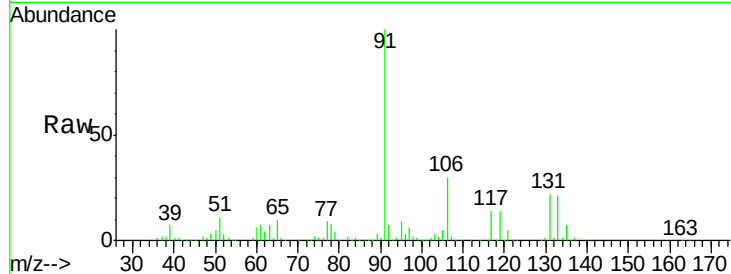
#67
Ethyl Benzene
Concen: 48.938 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 763701
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2

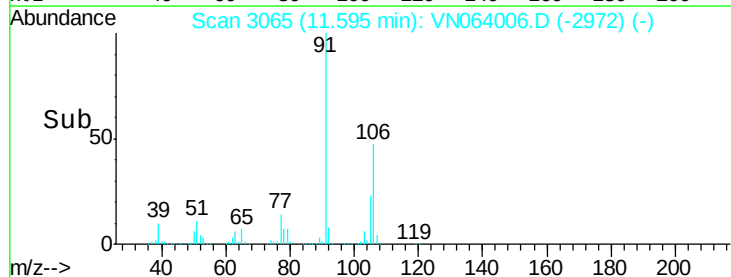
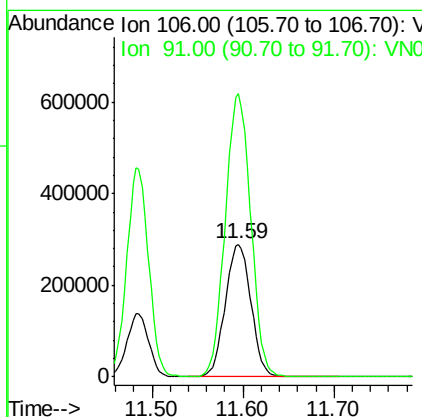
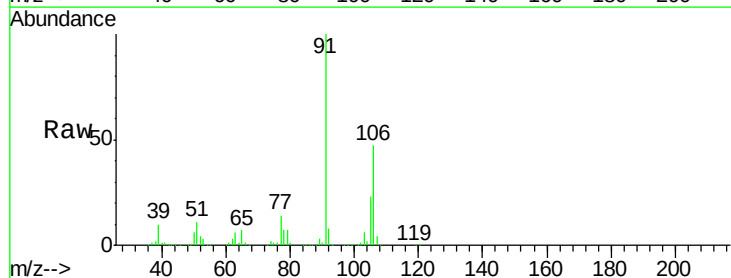
Manual Integrations
APPROVED

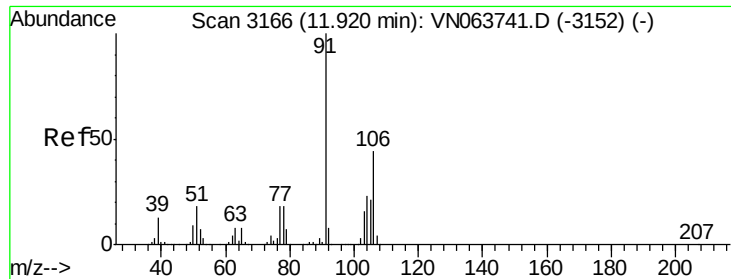
MMDadoda
10/9/2020 4:53:03 PM



#68
m/p-Xylenes
Concen: 97.231 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion: 106 Resp: 565514
Ion Ratio Lower Upper
106 100
91 212.6 168.0 252.0





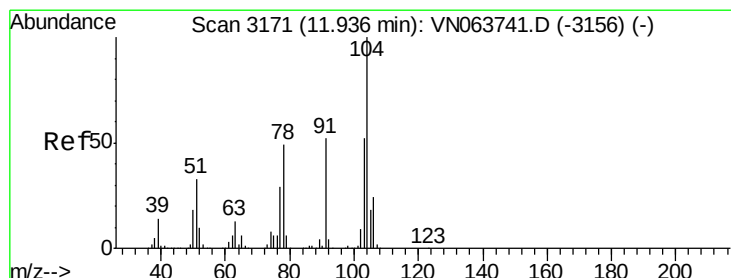
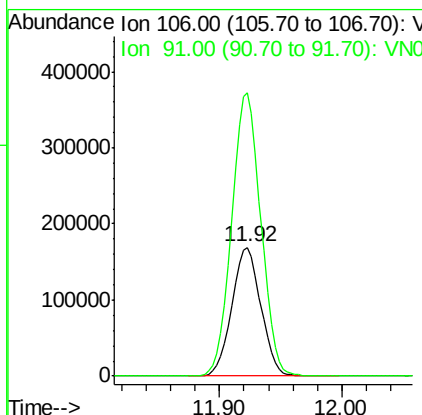
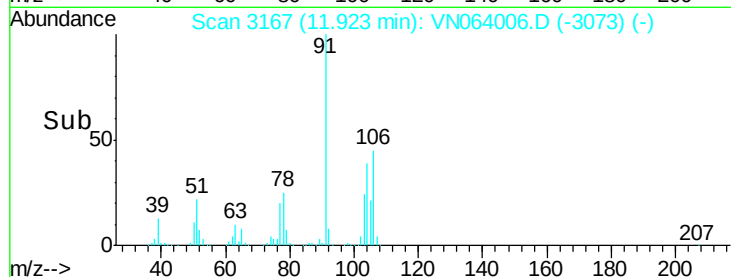
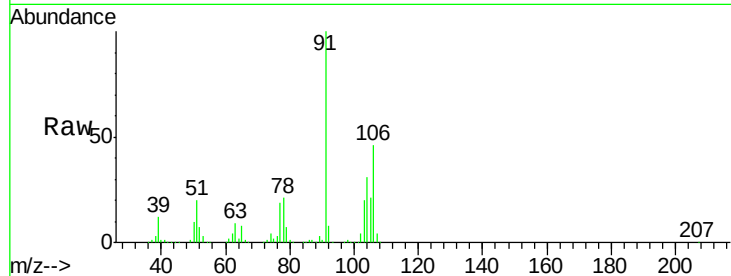
#69
o-Xylene
Concen: 51.307 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 278914
Ion Ratio Lower Upper
106 100
91 221.4 112.7 338.0

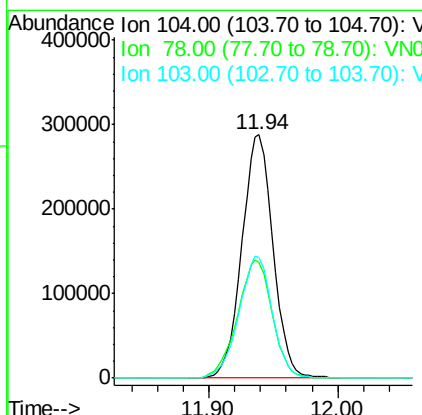
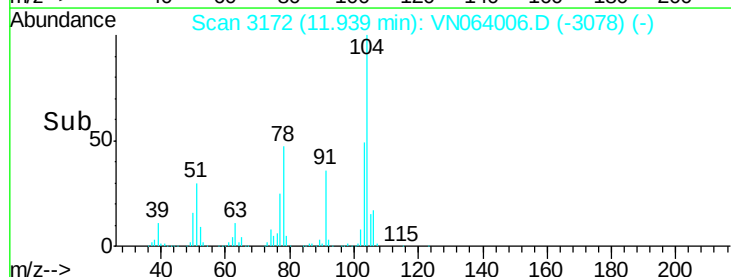
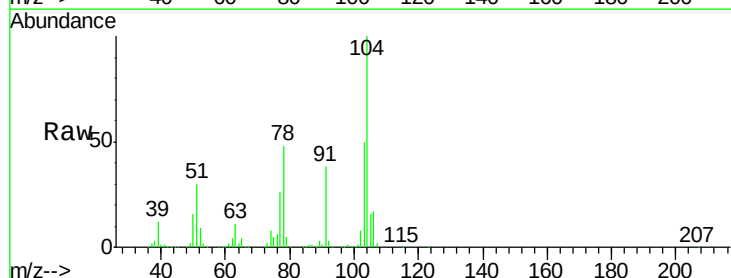
Manual Integrations
APPROVED

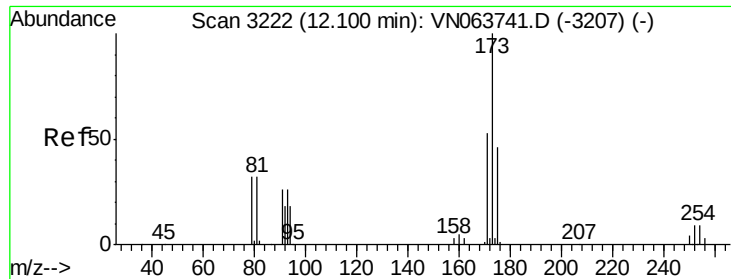
MMDadoda
10/9/2020 4:53:03 PM



#70
Styrene
Concen: 52.545 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion:104 Resp: 484878
Ion Ratio Lower Upper
104 100
78 54.1 44.1 66.1
103 53.6 44.3 66.5





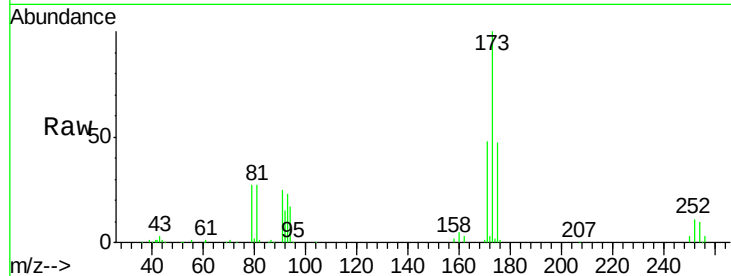
#71
Bromoform
Concen: 55.064 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

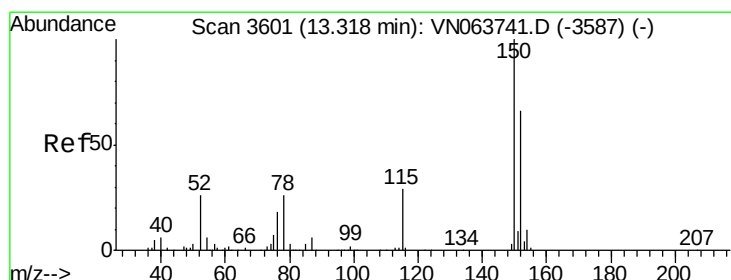
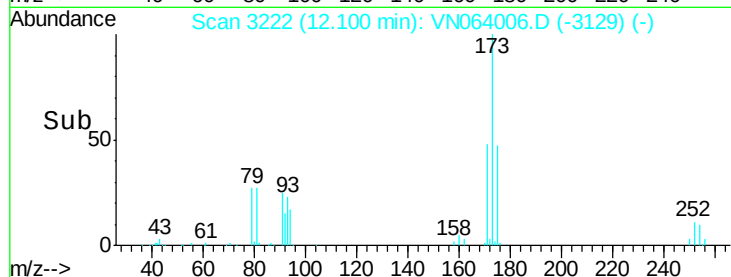
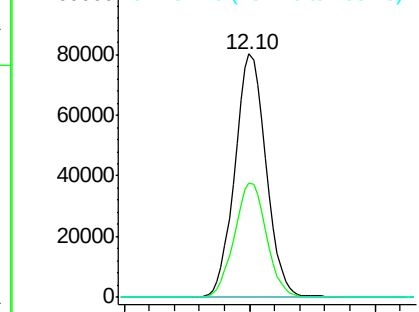
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.5	70.5
254	0.1	0.0	0.0

Manual Integrations
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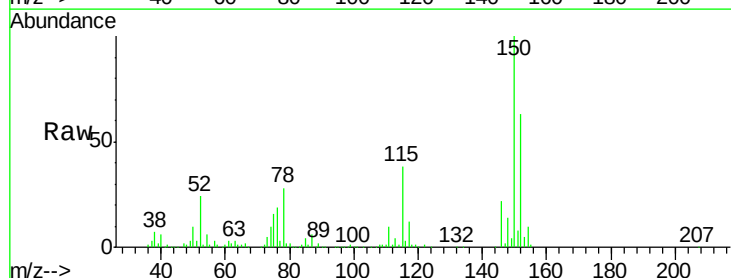


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

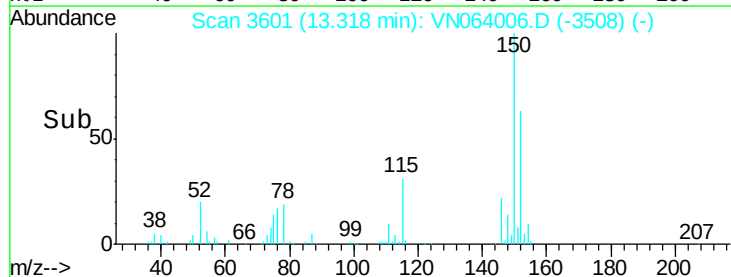
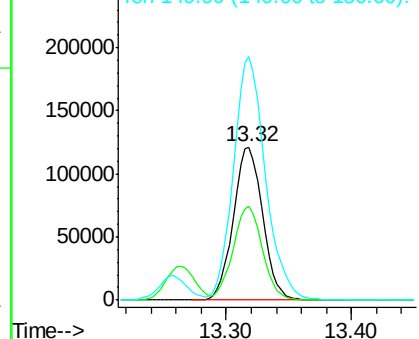


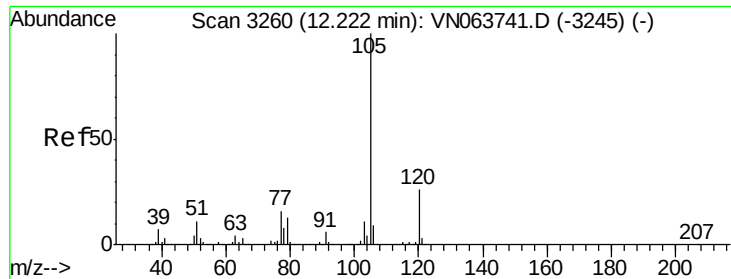
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.3	93.8
150	172.3	0.0	341.8



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: 49.564 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 714493

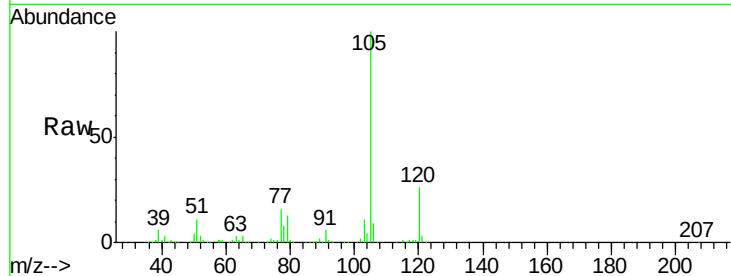
Ion Ratio Lower Upper

105 100

120 25.8 12.6 37.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

400000

300000

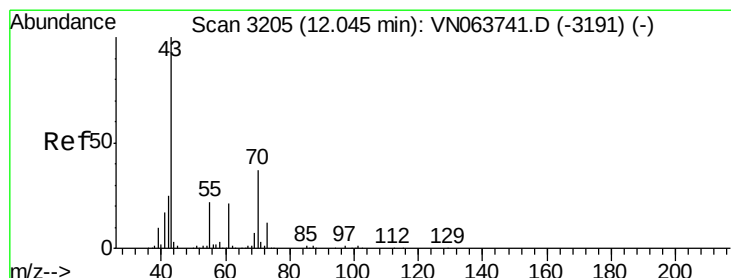
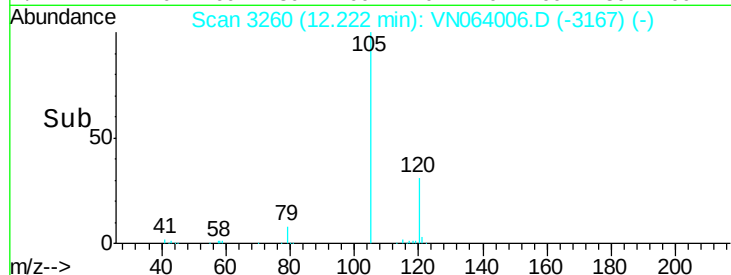
200000

100000

0

Time-->

12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 55.759 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Tgt Ion: 43 Resp: 375378

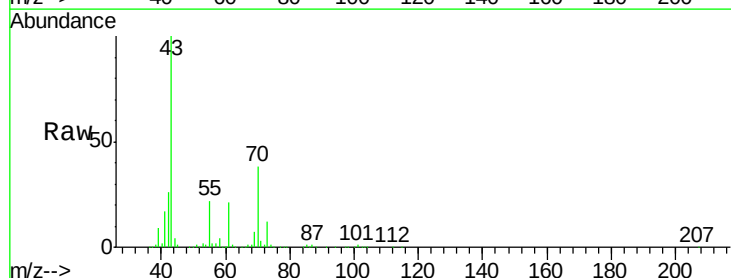
Ion Ratio Lower Upper

43 100

70 37.8 29.8 44.8

55 23.2 17.9 26.9

61 21.1 17.0 25.4



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

300000

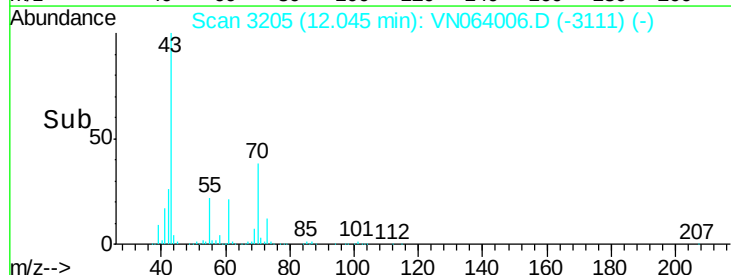
200000

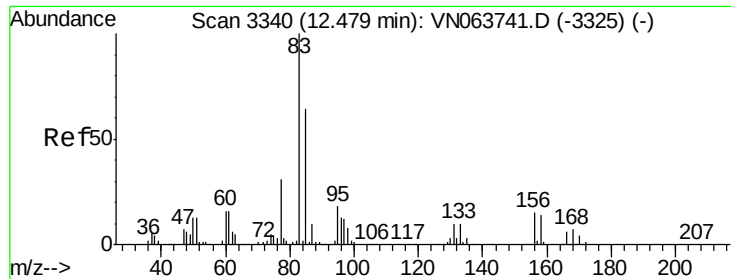
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 58.774 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

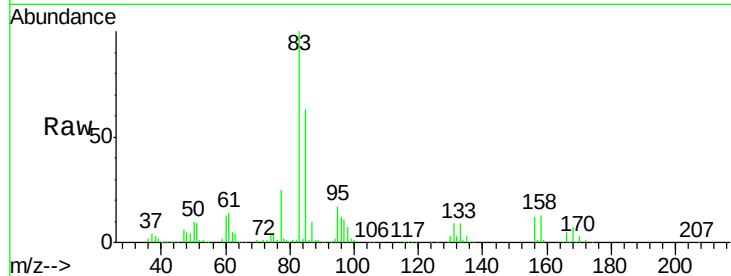
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	259085
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.8
85	64.1	31.3	93.8

Manual Integrations
APPROVED

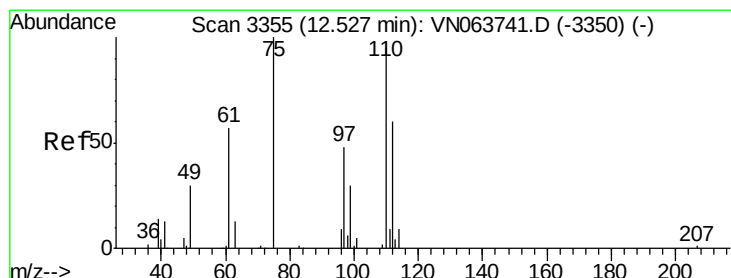
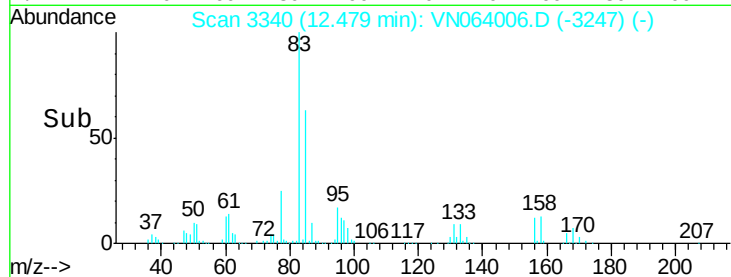
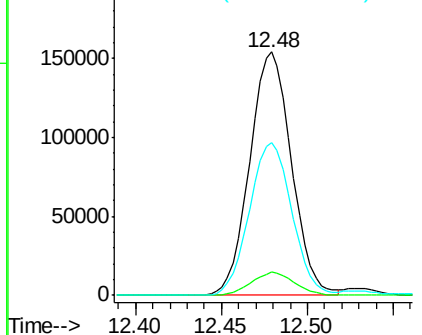
MMDadoda
10/9/2020 4:53:03 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064006.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN064006.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN064006.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 55.084 ug/l m

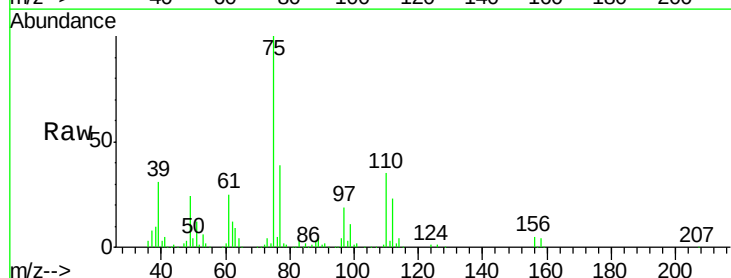
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064006.D

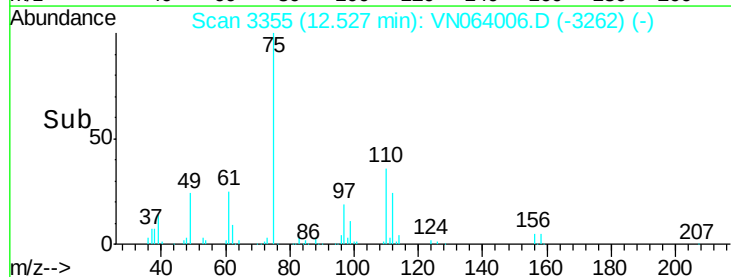
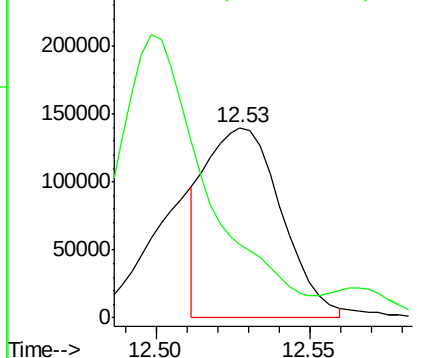
Acq: 8 Oct 2020 22:28

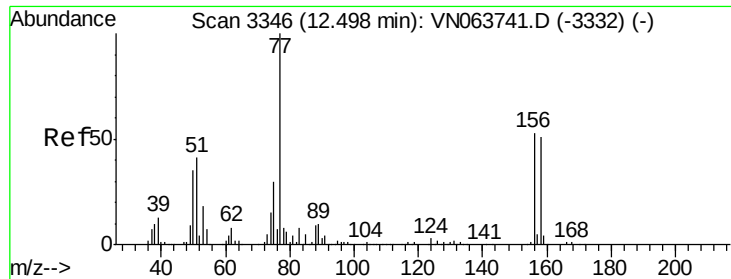
Tgt Ion:	75	Resp:	239986
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064006.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064006.D (-3262) (-)





#77

Bromobenzene

Concen: 52.941 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

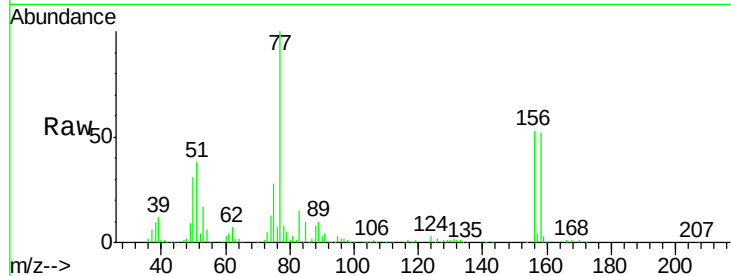
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.0	110.9	332.7
158	99.0	47.7	143.1

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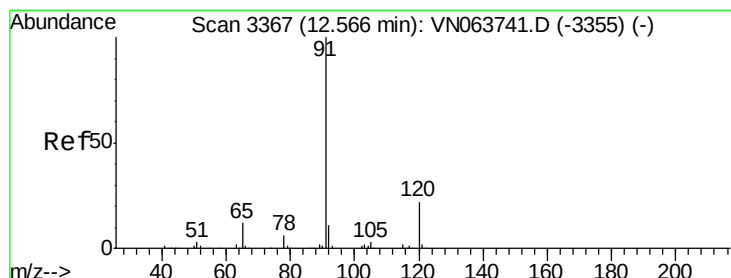
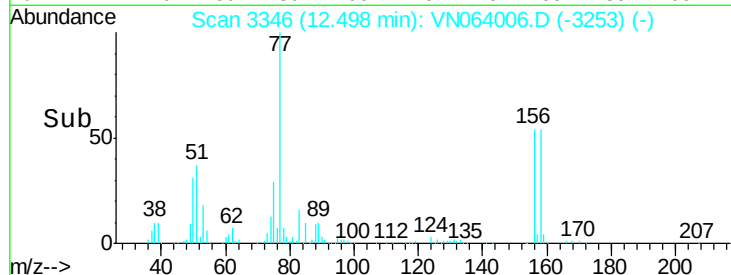
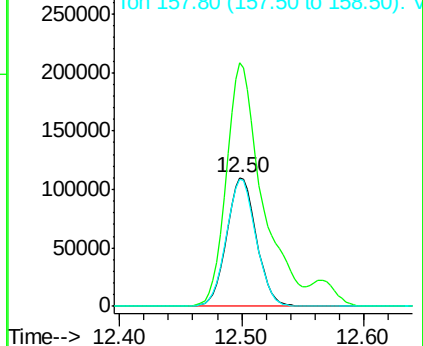
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.675 ug/l

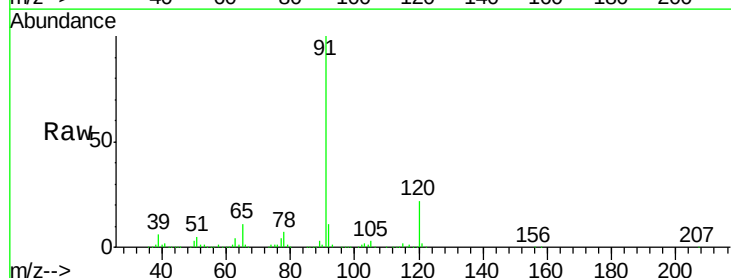
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064006.D

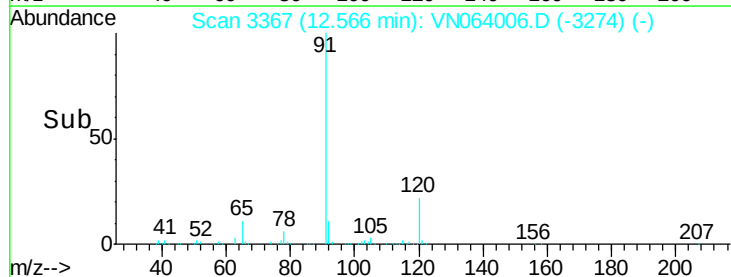
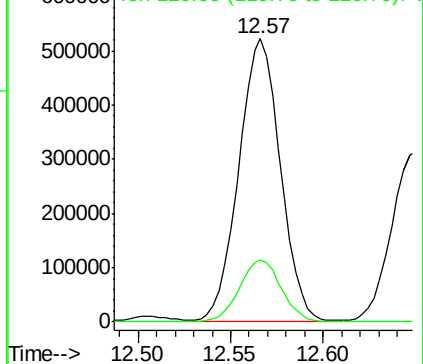
Acq: 8 Oct 2020 22:28

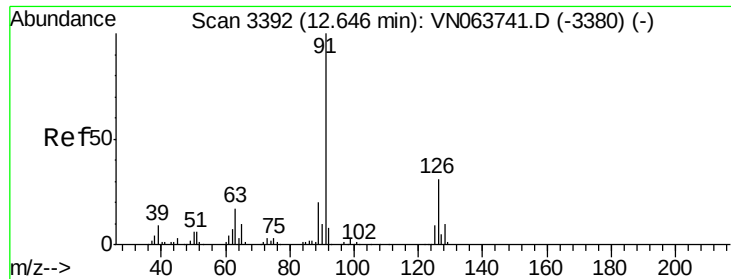
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.211 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 518076

Ion Ratio Lower Upper

91 100

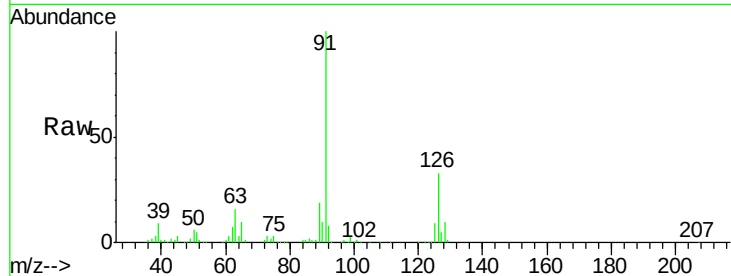
126 32.0 15.9 47.7

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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)

500000

400000

300000

200000

100000

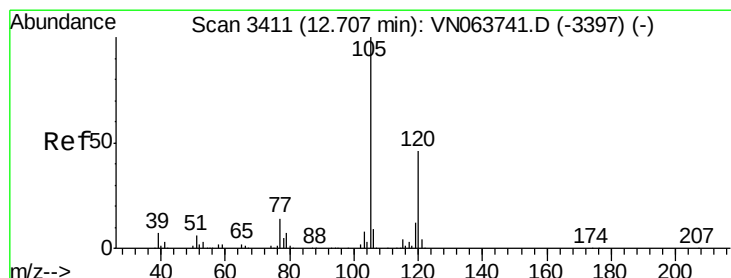
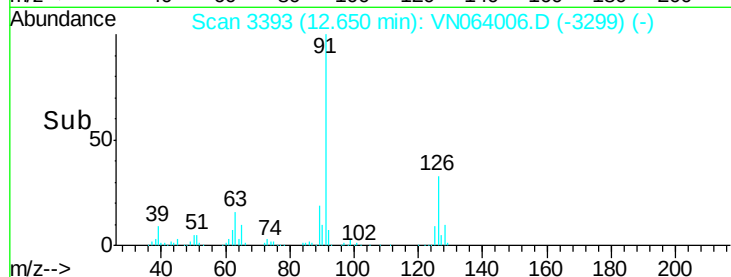
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.574 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064006.D

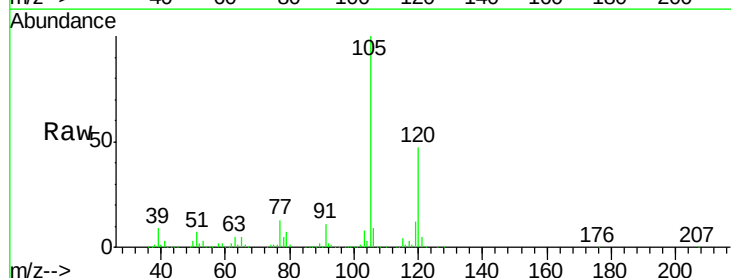
Acq: 8 Oct 2020 22:28

Tgt Ion: 105 Resp: 611640

Ion Ratio Lower Upper

105 100

120 46.2 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)

400000

300000

200000

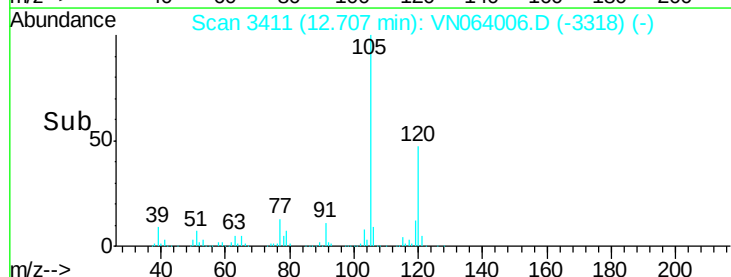
100000

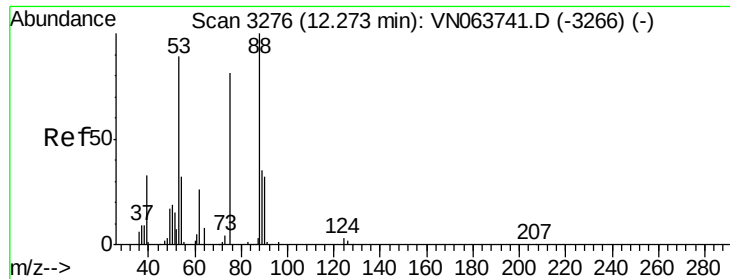
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 56.584 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 85593

Ion Ratio Lower Upper

75 100

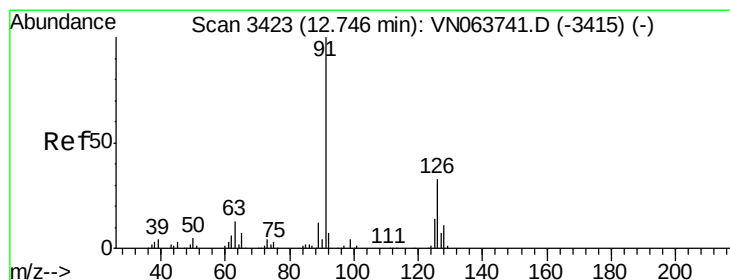
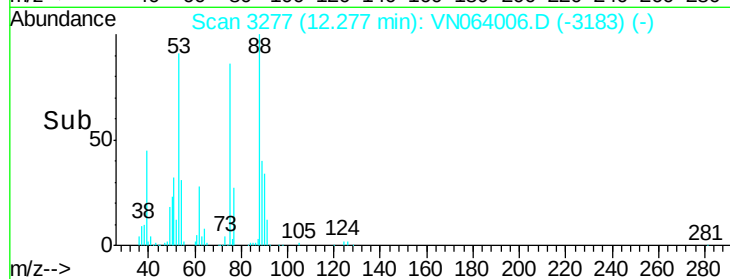
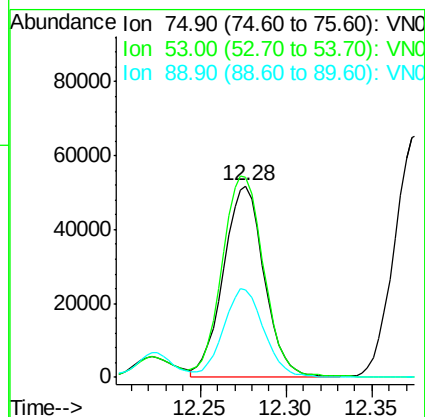
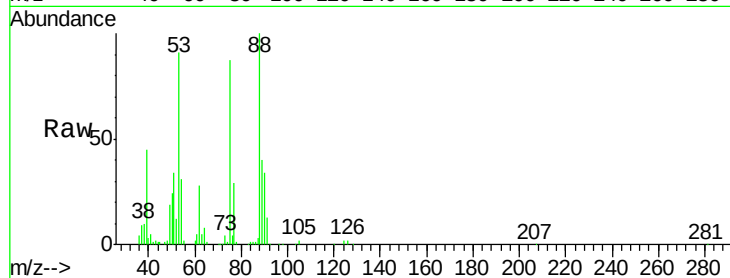
53 108.5 88.2 132.2

89 45.9 36.0 54.0

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#82

4-Chlorotoluene

Concen: 51.049 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064006.D

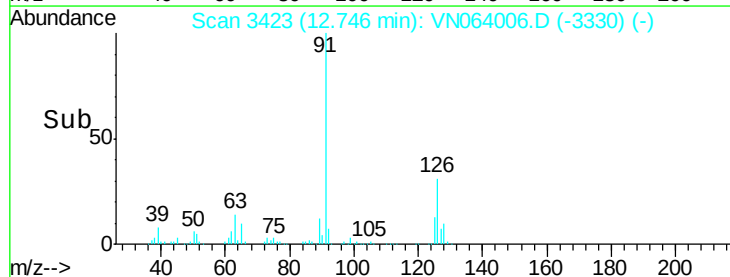
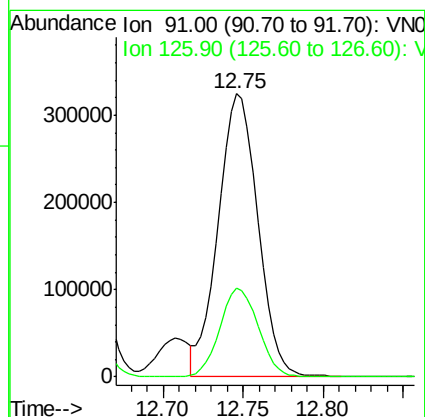
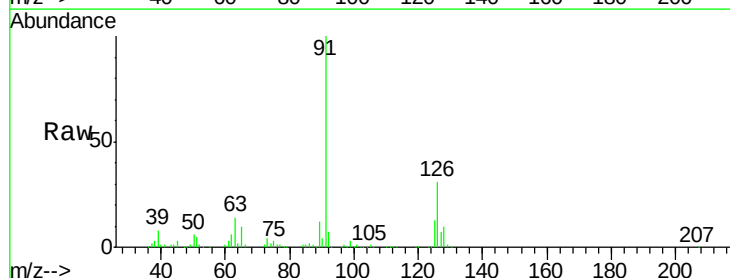
Acq: 8 Oct 2020 22:28

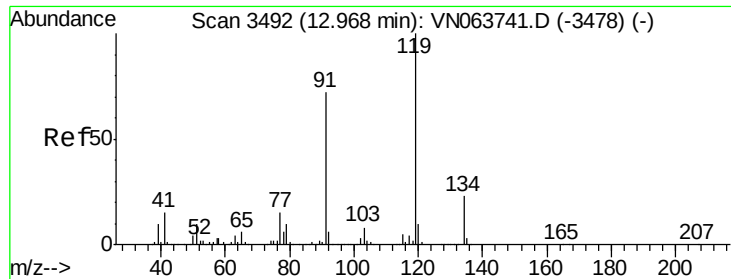
Tgt Ion: 91 Resp: 546803

Ion Ratio Lower Upper

91 100

126 30.7 15.4 46.2





#83

tert-Butylbenzene

Concen: 48.562 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

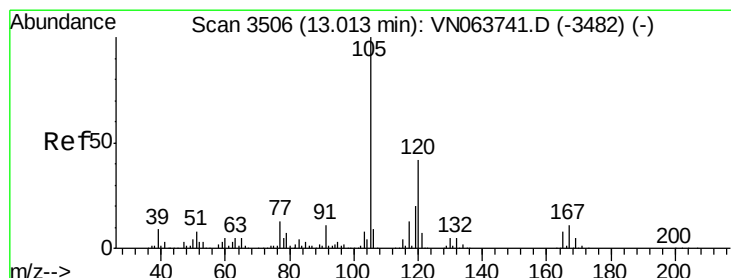
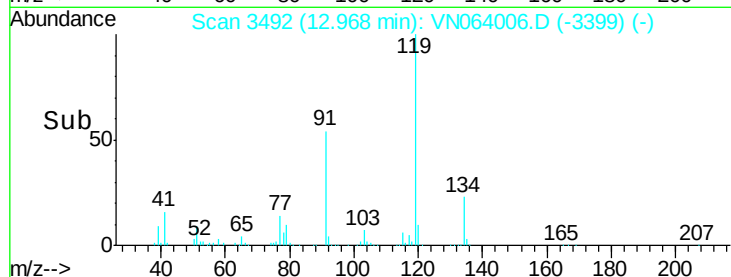
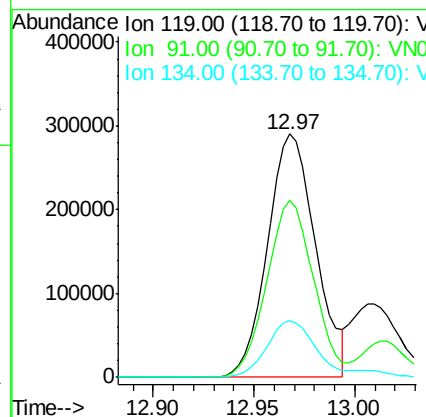
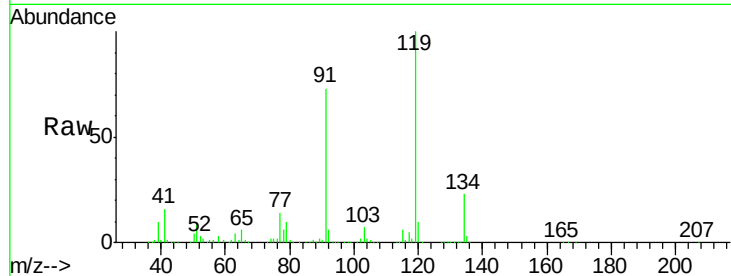
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	480402
Ion Ratio	Lower	Upper	
119	100		
91	70.9	35.5	106.5
134	23.4	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 50.725 ug/l

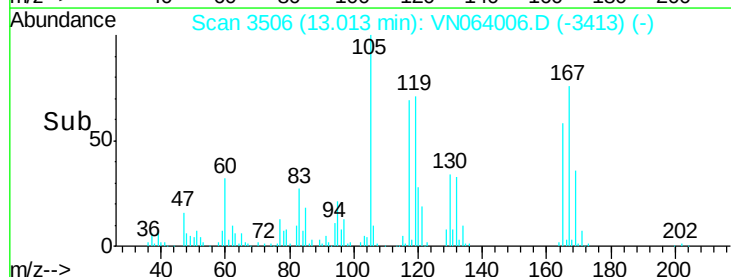
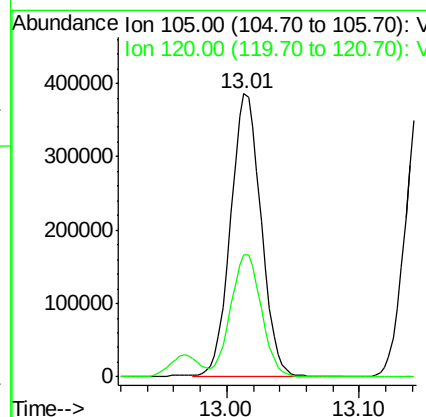
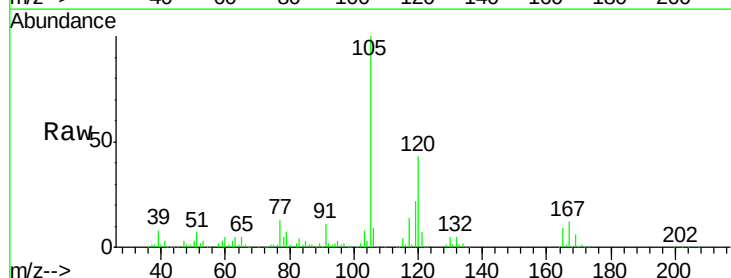
RT: 13.01 min Scan# 3506

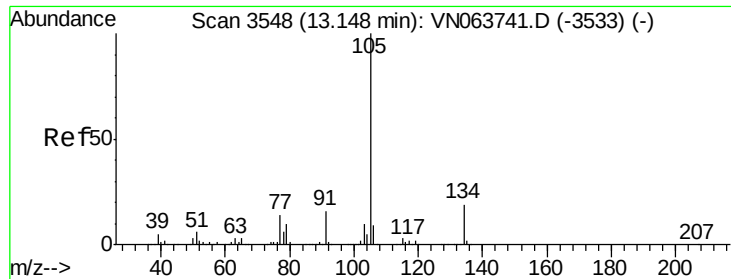
Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Tgt Ion:	105	Resp:	612484
Ion Ratio	Lower	Upper	
105	100		
120	43.9	20.9	62.7





#85

sec-Butylbenzene

Concen: 47.947 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 622987

Ion Ratio Lower Upper

105 100

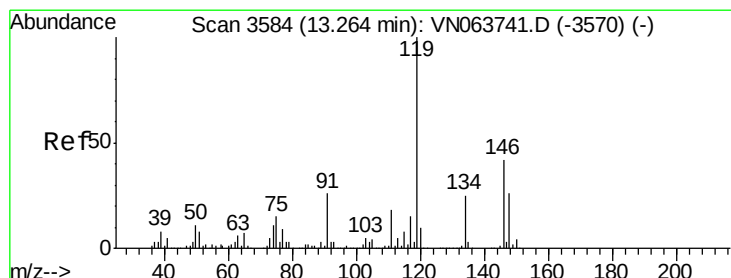
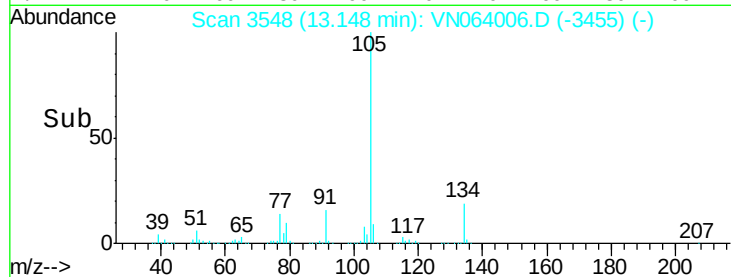
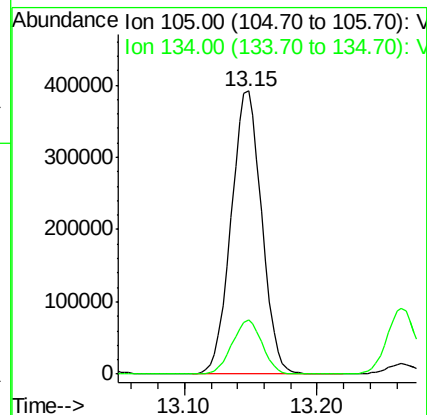
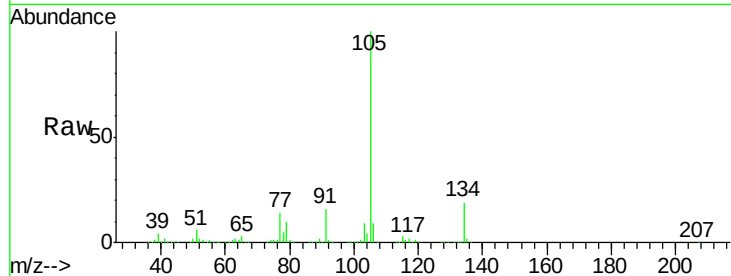
134 19.1 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 48.771 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

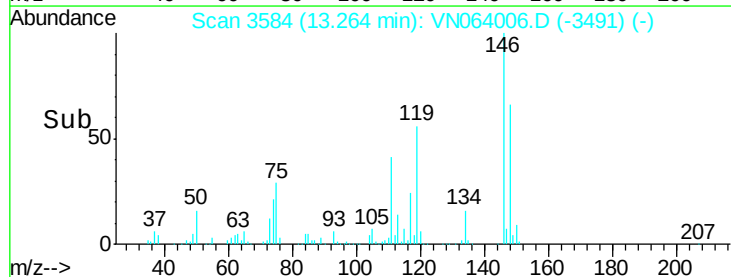
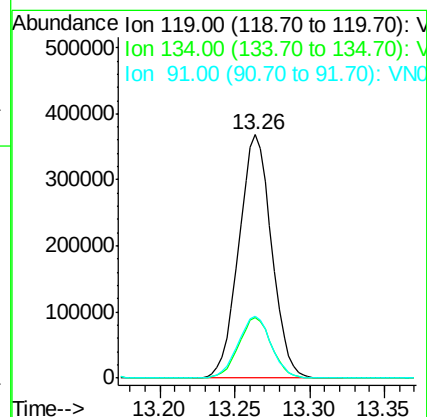
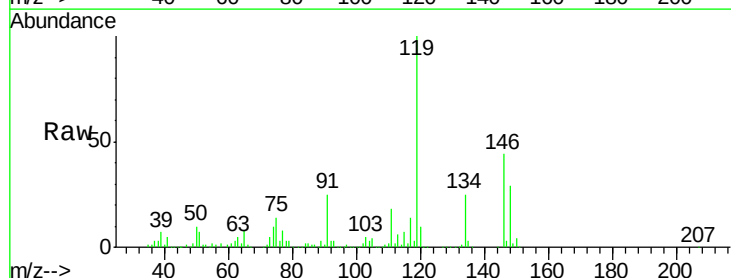
Tgt Ion:119 Resp: 560600

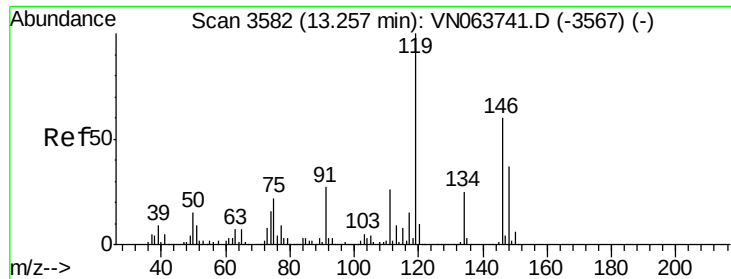
Ion Ratio Lower Upper

119 100

134 24.7 12.6 37.8

91 25.5 13.4 40.2





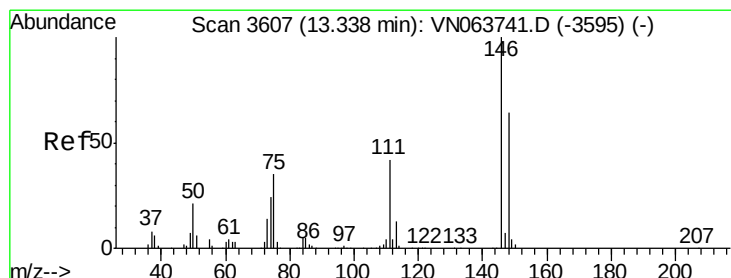
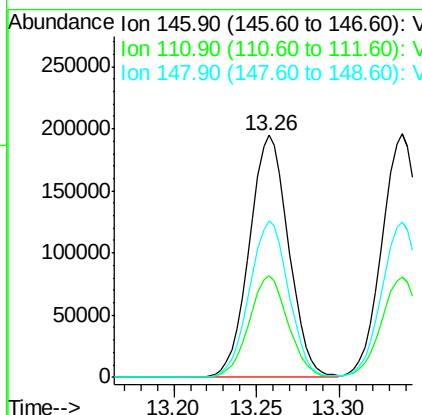
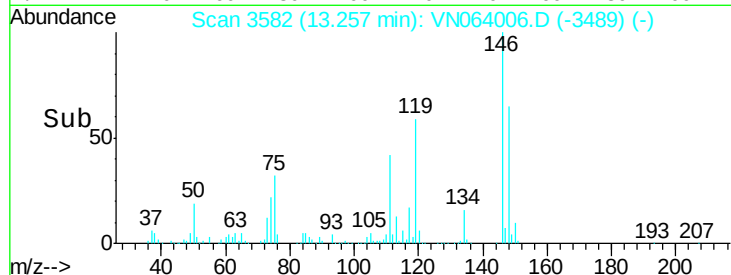
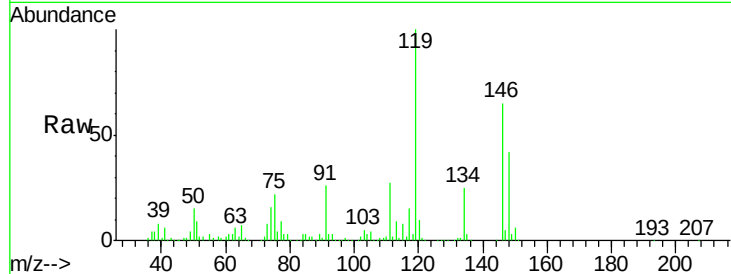
#87
 1,3-Dichlorobenzene
 Concen: 49.975 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	319803		
111	41.6	21.5	64.5	
148	64.7	31.1	93.3	

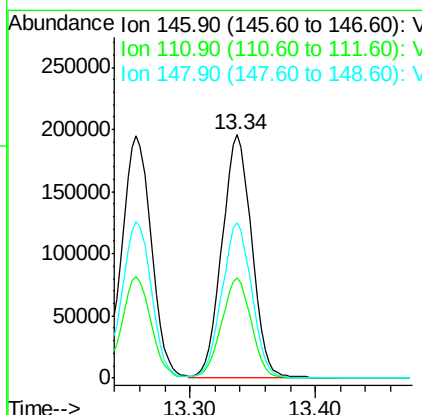
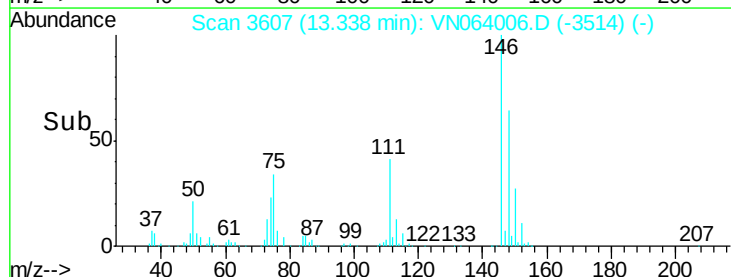
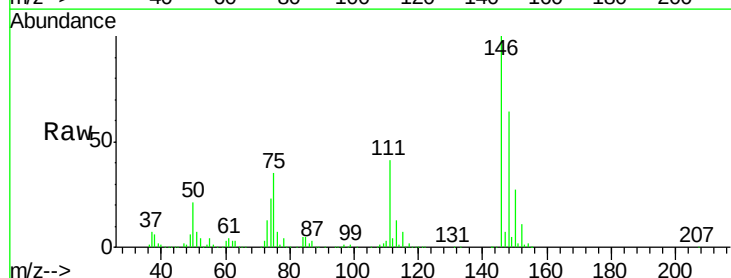
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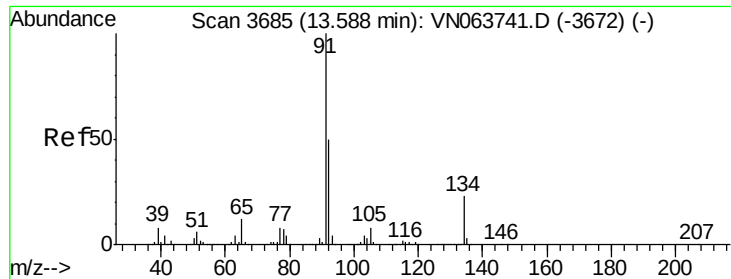
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#88
 1,4-Dichlorobenzene
 Concen: 48.193 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	321112		
111	40.8	21.3	63.7	
148	64.5	32.0	96.0	





#89

n-Butylbenzene

Concen: 43.110 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

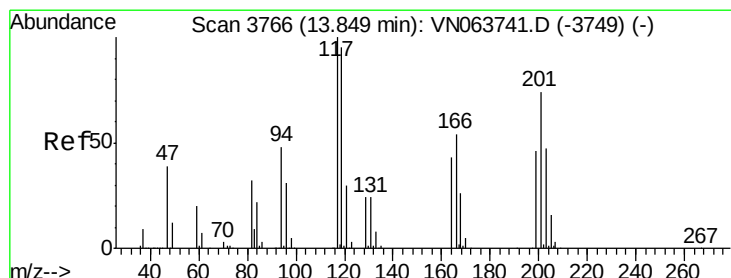
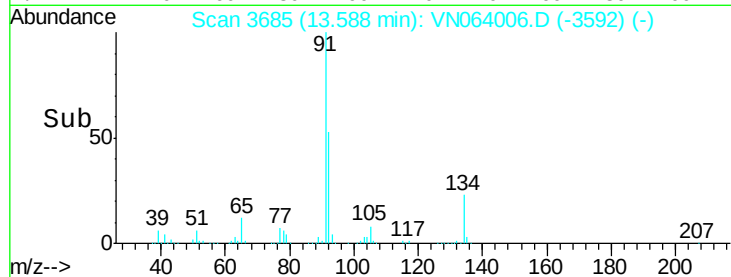
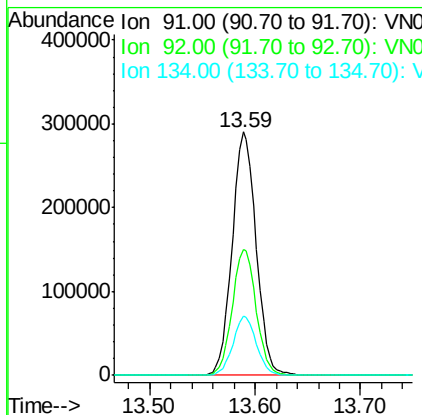
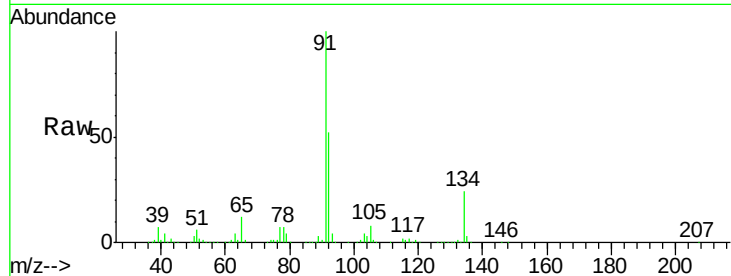
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	457354
Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.4	76.4
134	23.8	11.7	35.1

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#90

Hexachloroethane

Concen: 47.759 ug/l

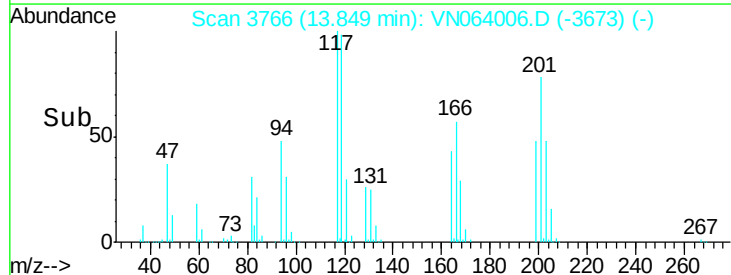
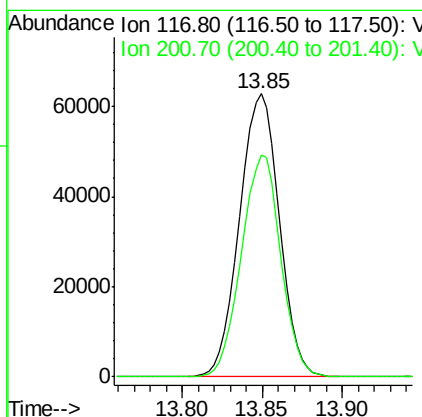
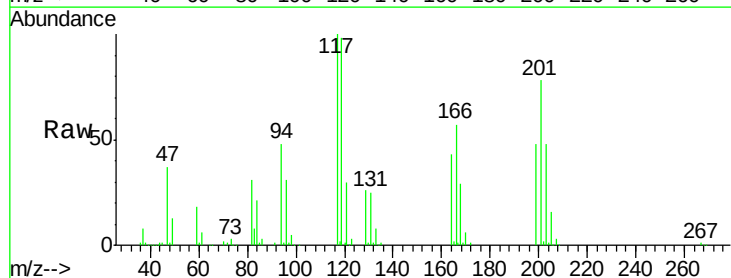
RT: 13.85 min Scan# 3766

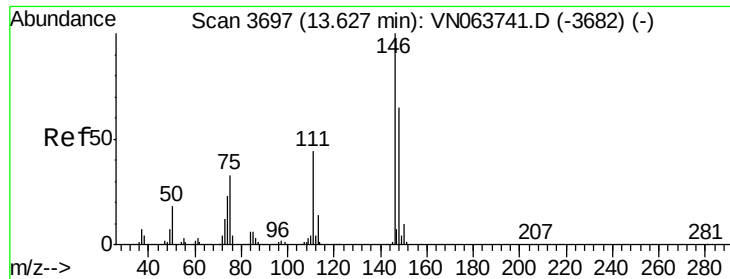
Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Tgt Ion:	117	Resp:	106378
Ion	Ratio	Lower	Upper
117	100		
201	77.5	36.0	108.0





#91

1,2-Dichlorobenzene

Concen: 51.867 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Instrument :

MSVOA_N

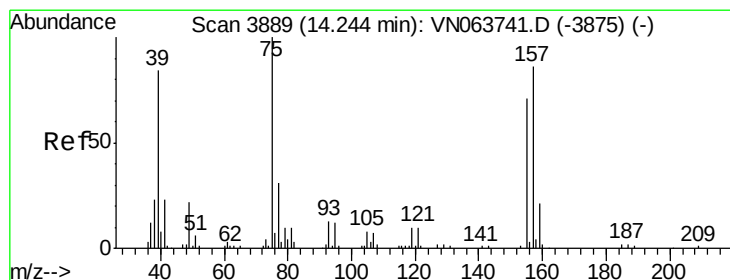
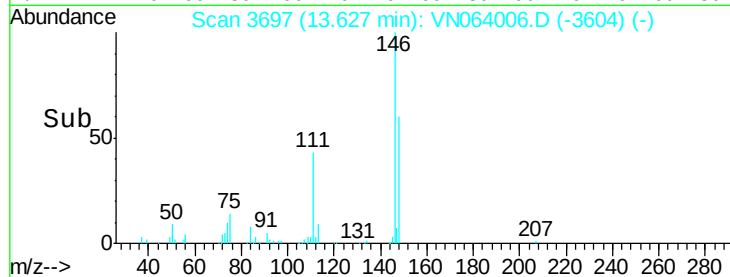
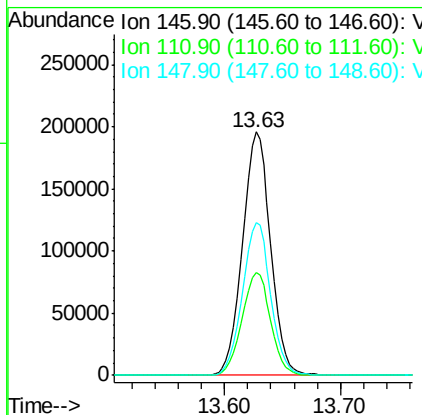
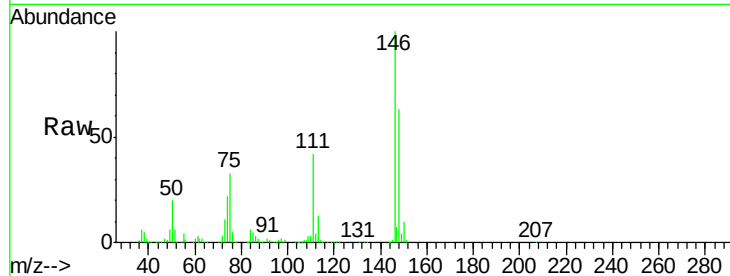
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	328748
Ion Ratio	Lower	Upper	
146	100		
111	43.1	22.2	66.6
148	63.1	32.5	97.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.907 ug/l

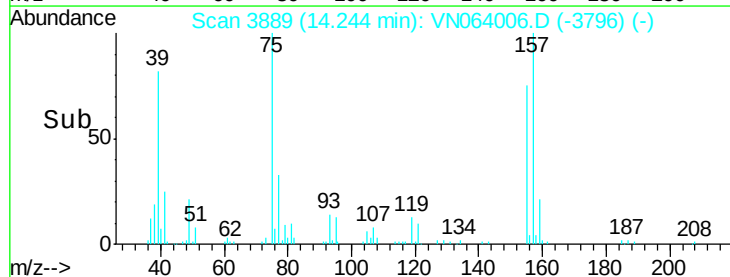
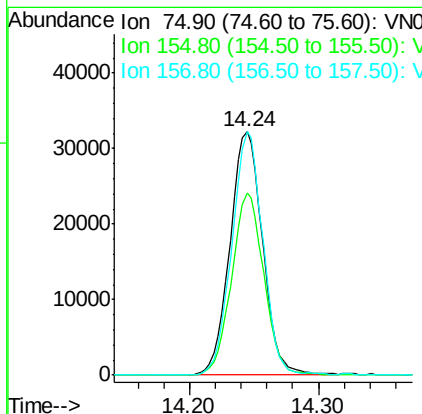
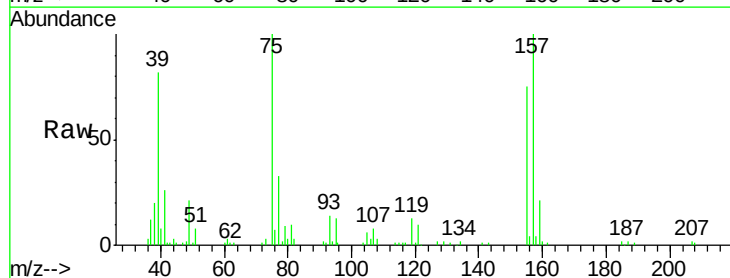
RT: 14.24 min Scan# 3889

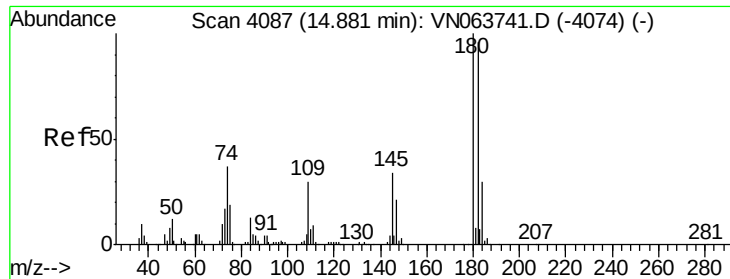
Delta R.T. 0.00 min

Lab File: VN064006.D

Acq: 8 Oct 2020 22:28

Tgt Ion:	75	Resp:	56762
Ion Ratio	Lower	Upper	
75	100		
155	73.4	34.8	104.5
157	94.3	43.7	131.1





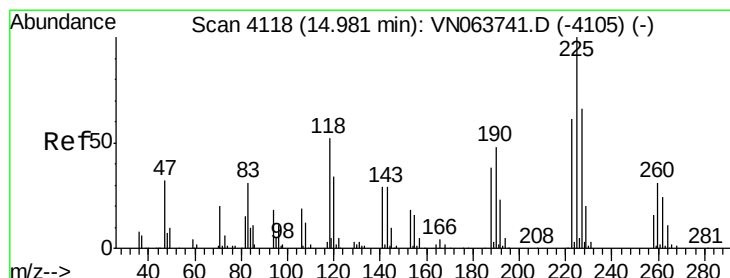
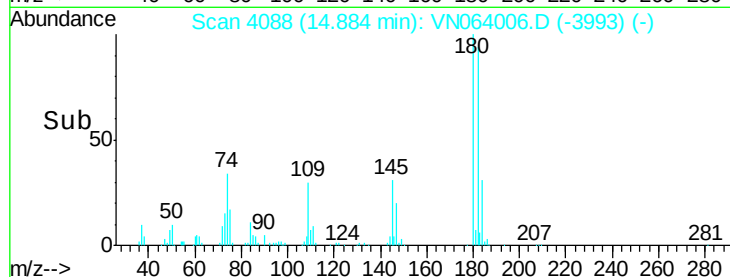
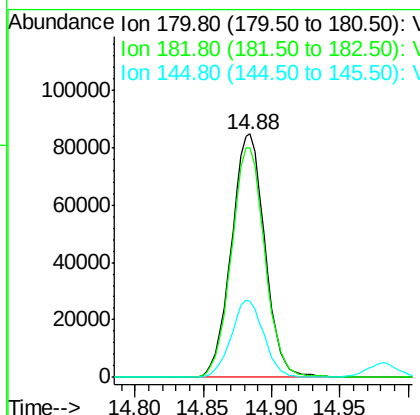
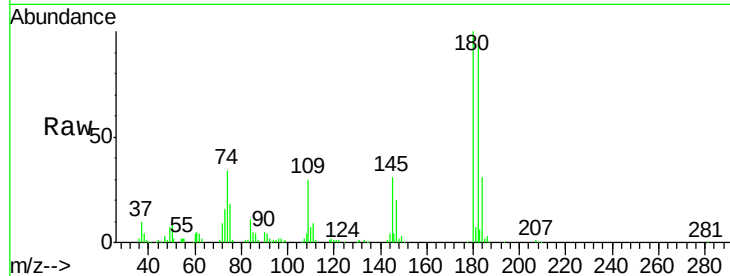
#93
 1,2,4-Trichlorobenzene
 Concen: 42.104 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144134		
182	94.0	48.2	144.6	
145	31.0	17.1	51.2	

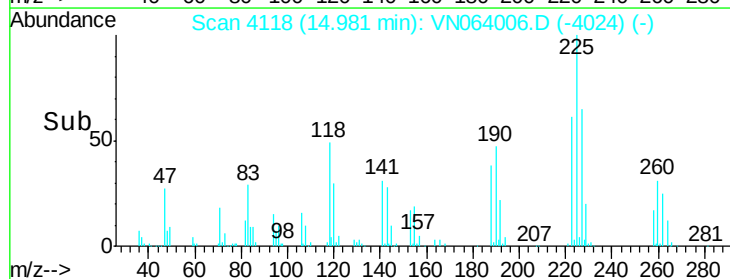
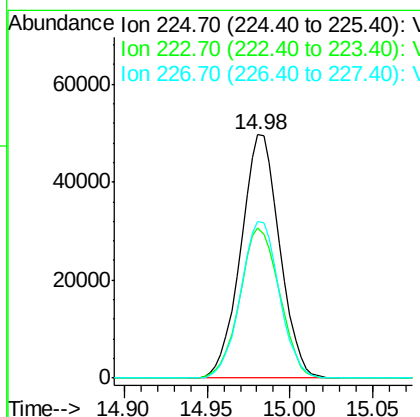
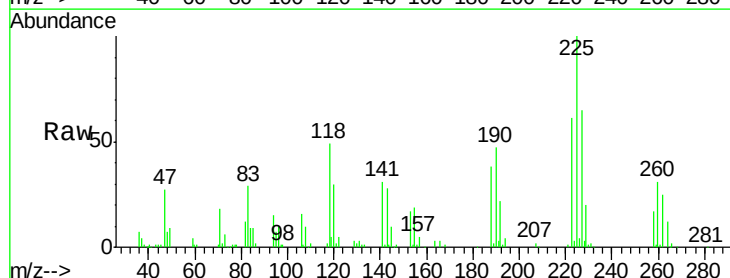
Manual Integrations
 APPROVED

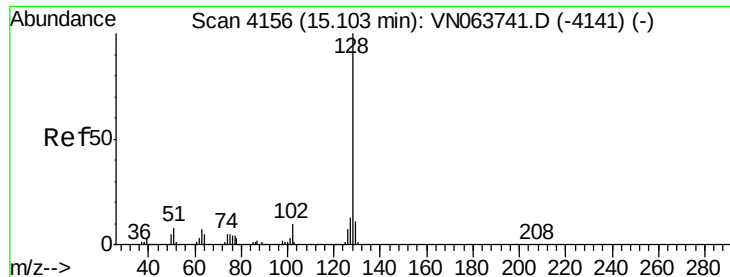
MMDadoda
 10/9/2020 4:53:03 PM



#94
 Hexachlorobutadiene
 Concen: 46.973 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064006.D
 Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80718		
223	63.1	30.3	91.0	
227	64.1	31.9	95.5	





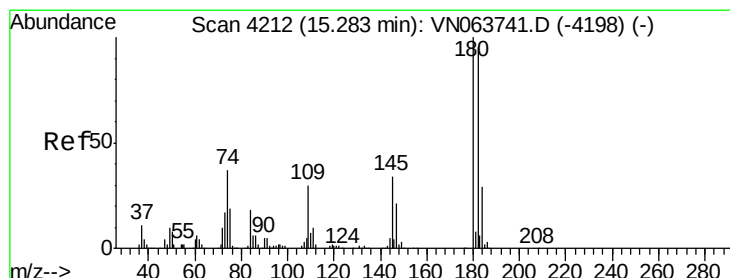
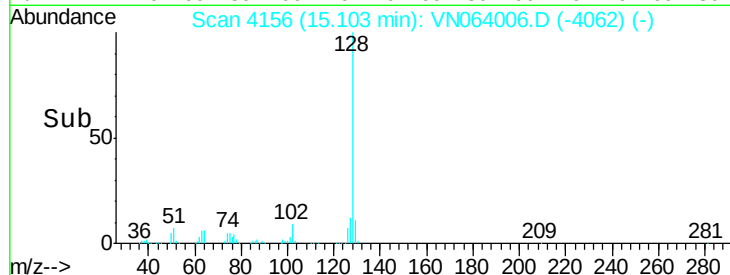
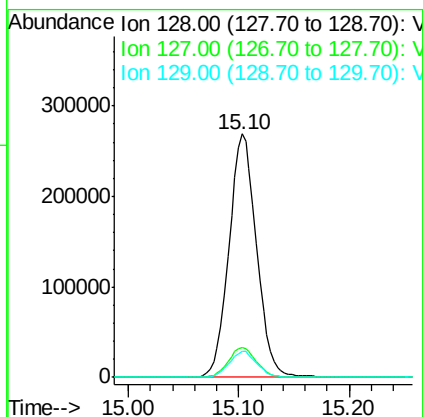
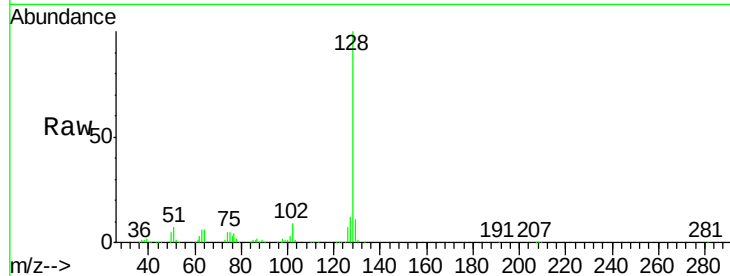
#95
Naphthalene
Concen: 43.889 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	465432		
127	12.5		10.5	15.7
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.860 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064006.D
Acq: 8 Oct 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	145952		
182	97.0		47.9	143.6
145	33.9		17.2	51.5

