

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064250.D
 Acq On : 22 Oct 2020 6:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 22 06:33:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	262353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	444870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	413125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	207553	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.55	113	149527	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.06	98	544274	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.37	95	217038	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	168463	52.521	ug/l	96
3) Chloromethane	2.04	50	168916	55.707	ug/l	99
4) Vinyl Chloride	2.16	62	164273	54.644	ug/l	94
5) Bromomethane	2.52	94	102563	52.341	ug/l	100
6) Chloroethane	2.67	64	97356	53.198	ug/l	97
7) Trichlorofluoromethane	2.98	101	273360	55.295	ug/l	97
8) Diethyl Ether	3.38	74	88439	54.080	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	132519	51.838	ug/l	98
10) Methyl Iodide	3.91	142	188870	51.954	ug/l	96
11) Tert butyl alcohol	4.73	59	158953	304.777	ug/l	98
12) 1,1-Dichloroethene	3.69	96	132828	54.020	ug/l	99
13) Acrolein	3.56	56	62088	189.648	ug/l	99
14) Allyl chloride	4.28	41	241014	48.974	ug/l	94
15) Acrylonitrile	4.93	53	321782	298.375	ug/l	98
16) Acetone	3.78	43	337617	302.855	ug/l	98
17) Carbon Disulfide	4.01	76	376258	53.645	ug/l	99
18) Methyl Acetate	4.28	43	160768	56.595	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	469271	55.513	ug/l	98
20) Methylene Chloride	4.51	84	153921	51.780	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	144964	53.465	ug/l	98
22) Diisopropyl ether	5.90	45	491190	53.691	ug/l	98
23) Vinyl Acetate	5.84	43	2291342	280.850	ug/l	99
24) 1,1-Dichloroethane	5.79	63	292735	55.236	ug/l	98
25) 2-Butanone	6.78	43	512781	289.522	ug/l	100
26) 2,2-Dichloropropane	6.78	77	205213	38.895	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	170027	53.847	ug/l	95
28) Bromochloromethane	7.15	49	138716	55.096	ug/l	98
29) Tetrahydrofuran	7.16	42	313368	295.786	ug/l	99
30) Chloroform	7.33	83	308001	54.484	ug/l	99
31) Cyclohexane	7.61	56	225501	48.824	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	294393	55.590	ug/l	100
36) 1,1-Dichloropropene	7.75	75	222084	50.074	ug/l	99
37) Ethyl Acetate	6.88	43	222309	55.207	ug/l	99
38) Carbon Tetrachloride	7.73	117	265085	52.532	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	199572	49.487	ug/l	98
40) Benzene	8.00	78	622347	50.833	ug/l	99
41) Methacrylonitrile	7.13	41	113294	53.635	ug/l	94
42) 1,2-Dichloroethane	8.08	62	274140	52.270	ug/l	100
43) Isopropyl Acetate	8.13	43	409211	54.528	ug/l #	90
44) Trichloroethene	8.80	130	173252	51.931	ug/l	94
45) 1,2-Dichloropropane	9.08	63	171512	52.476	ug/l	98
46) Dibromomethane	9.17	93	121124	55.191	ug/l	98
47) Bromodichloromethane	9.37	83	257752	53.160	ug/l	100
48) Methyl methacrylate	9.17	41	202506	51.656	ug/l	97
49) 1,4-Dioxane	9.16	88	54293	1183.647	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	1148697	286.397	ug/l	99
52) Toluene	10.13	92	407646	52.037	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	274823	51.024	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	280477	49.457	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	157950	53.386	ug/l	97
56) Ethyl methacrylate	10.40	69	256092	55.979	ug/l	99
57) 1,3-Dichloropropane	10.68	76	278853	54.261	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	629017	267.017	ug/l	99
59) 2-Hexanone	10.72	43	843605	288.002	ug/l	100
60) Dibromochloromethane	10.87	129	198395	51.799	ug/l	97
61) 1,2-Dibromoethane	10.98	107	171990	55.088	ug/l	99
64) Tetrachloroethene	10.60	164	160276	48.190	ug/l	98
65) Chlorobenzene	11.41	112	438308	51.256	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	174377	51.372	ug/l	98
67) Ethyl Benzene	11.48	91	812469	51.699	ug/l	98
68) m/p-Xylenes	11.59	106	597752	102.659	ug/l	97
69) o-Xylene	11.92	106	286876	50.942	ug/l	95
70) Styrene	11.94	104	481944	51.057	ug/l	98
71) Bromoform	12.10	173	142114	54.197	ug/l #	95
73) Isopropylbenzene	12.22	105	772329	50.189	ug/l	99
74) N-amyl acetate	12.04	43	361135	54.312	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	218437	53.492	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	318484	74.876	ug/l #	100
77) Bromobenzene	12.50	156	189725	52.225	ug/l	96
78) n-propylbenzene	12.57	91	861887	49.676	ug/l	99
79) 2-Chlorotoluene	12.65	91	537048	50.394	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	647374	49.762	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	79003	46.893	ug/l	98
82) 4-Chlorotoluene	12.75	91	566750	50.984	ug/l	100
83) tert-Butylbenzene	12.97	119	537125	50.358	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	664465	51.317	ug/l	100
85) sec-Butylbenzene	13.14	105	672174	49.988	ug/l	100
86) p-Isopropyltoluene	13.26	119	616654	50.360	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	330548	51.136	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	337380	50.992	ug/l	97
89) n-Butylbenzene	13.59	91	522341	47.587	ug/l	98
90) Hexachloroethane	13.85	117	109669	49.453	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	325654	51.353	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	55800	54.772	ug/l	96

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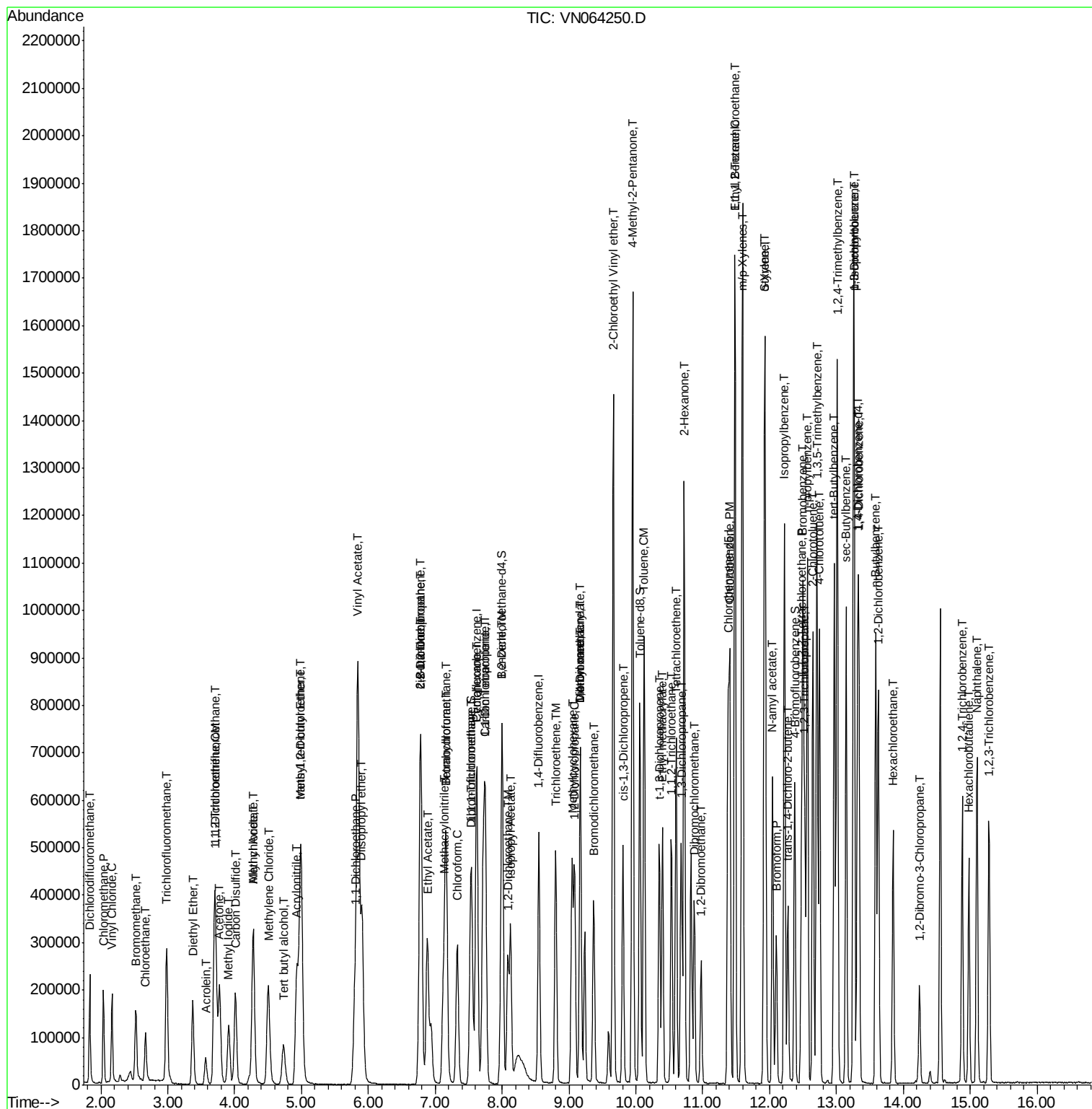
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	180946	50.874	ug/l	97
94) Hexachlorobutadiene	14.98	225	87909	45.826	ug/l	98
95) Naphthalene	15.10	128	572678	53.766	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	175549	49.834	ug/l	100

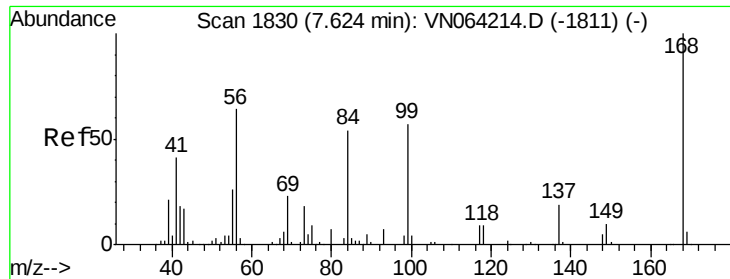
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102120\
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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: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

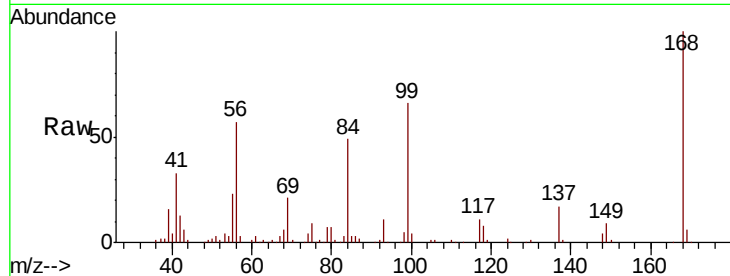
VSTDCCC050EC

Tot Ion:168 Resp: 262353

Ion Ratio Lower Upper

168 100

99 65.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

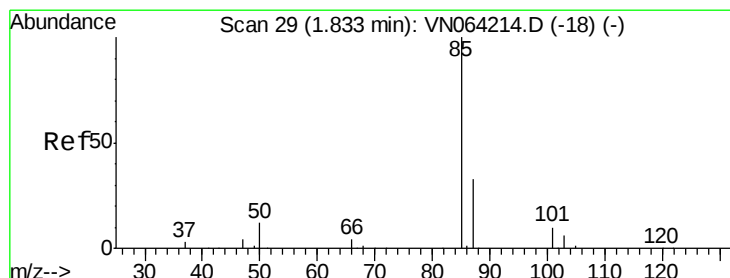
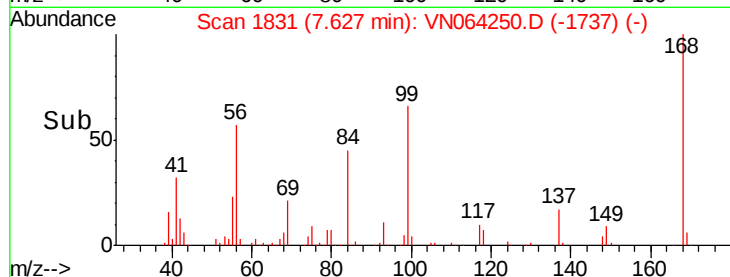
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 52.521 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064250.D

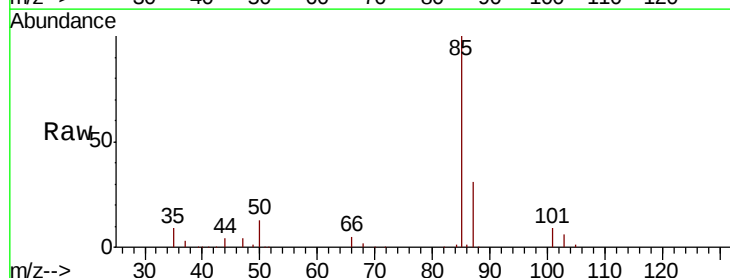
Acq: 22 Oct 2020 6:11

Tgt Ion: 85 Resp: 168463

Ion Ratio Lower Upper

85 100

87 31.0 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

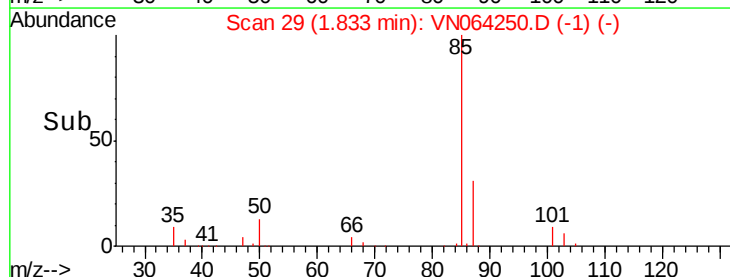
1.83

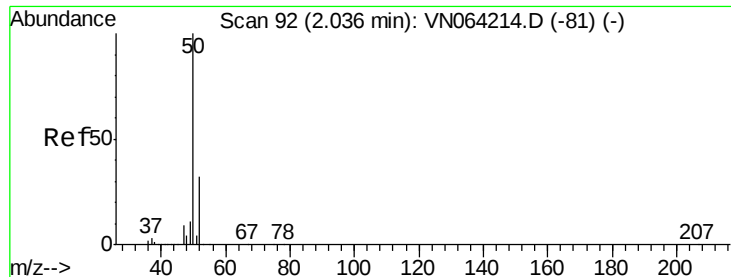
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 55.707 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

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ClientSampleId :

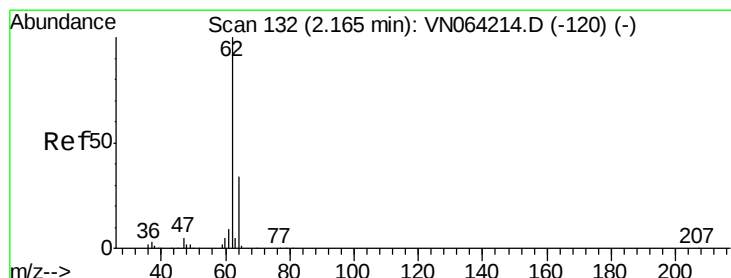
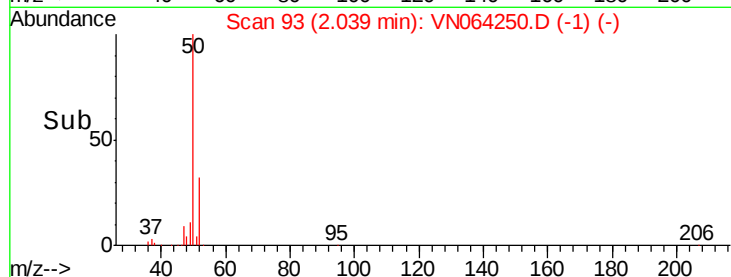
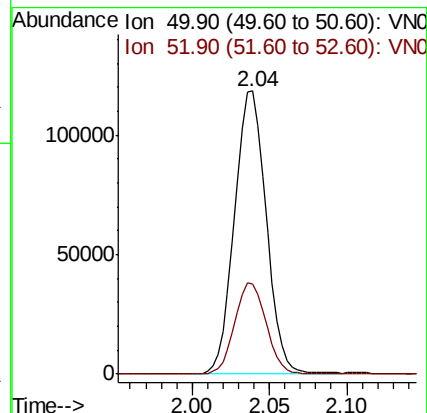
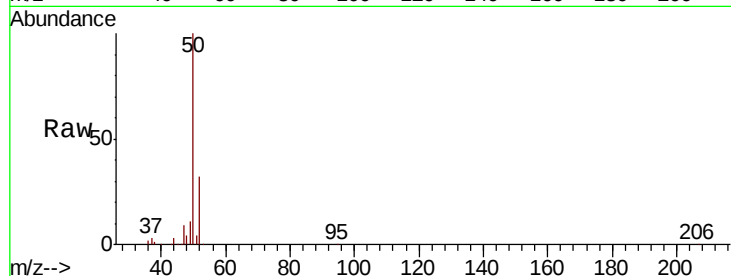
VSTDCCC050EC

Tot Ion: 50 Resp: 168916

Ion Ratio Lower Upper

50 100

52 32.0 25.3 37.9



#4

Vinyl Chloride

Concen: 54.644 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064250.D

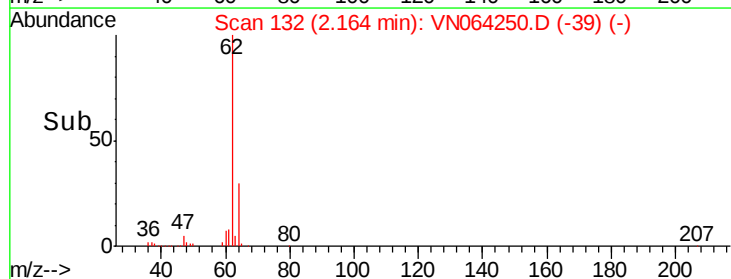
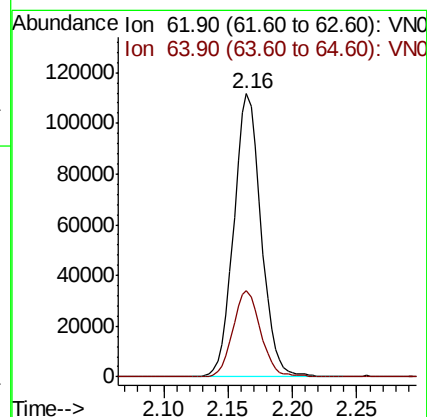
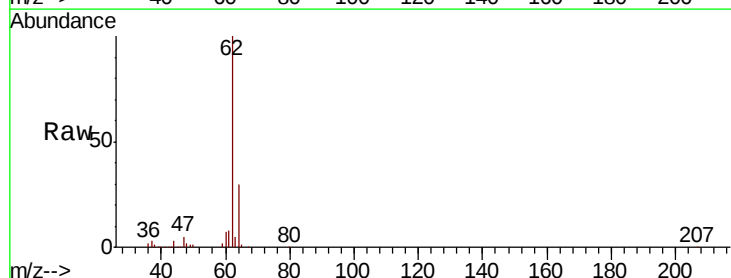
Acq: 22 Oct 2020 6:11

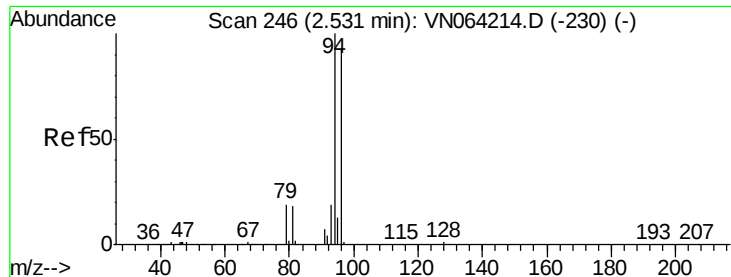
Tgt Ion: 62 Resp: 164273

Ion Ratio Lower Upper

62 100

64 30.3 26.8 40.2





#5

Bromomethane

Concen: 52.341 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

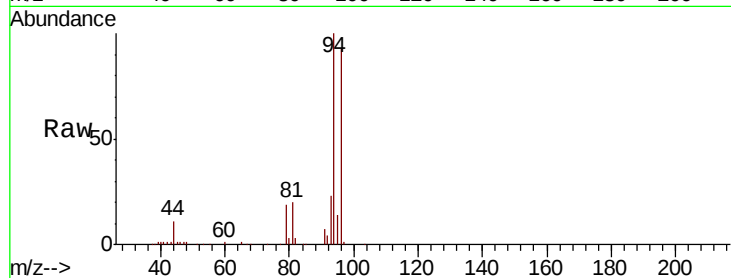
VSTDCCC050EC

Tot Ion: 94 Resp: 102563

Ion Ratio Lower Upper

94 100

96 92.9 74.2 111.4

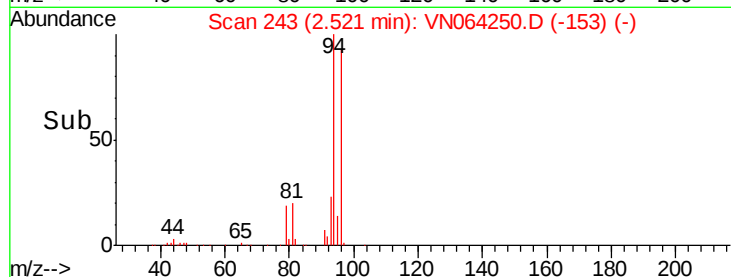


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

Time-->



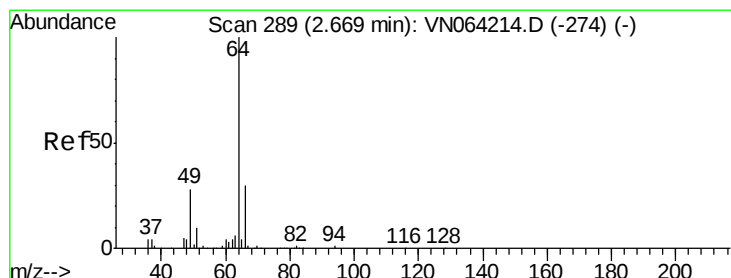
Abundance

Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

Time-->



#6

Chloroethane

Concen: 53.198 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN064250.D

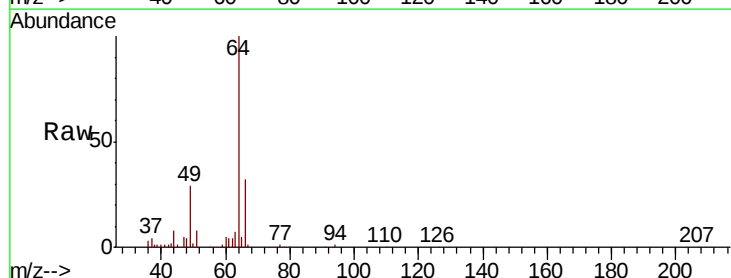
Acq: 22 Oct 2020 6:11

Tgt Ion: 64 Resp: 97356

Ion Ratio Lower Upper

64 100

66 32.1 24.5 36.7

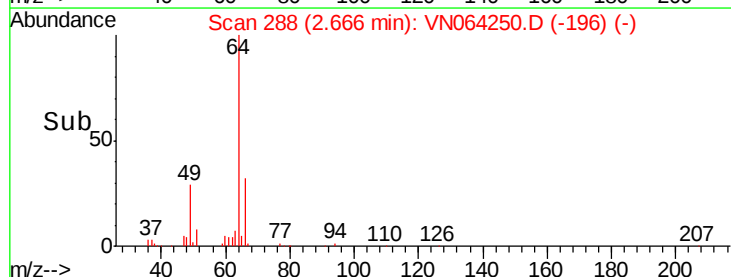


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

Time-->



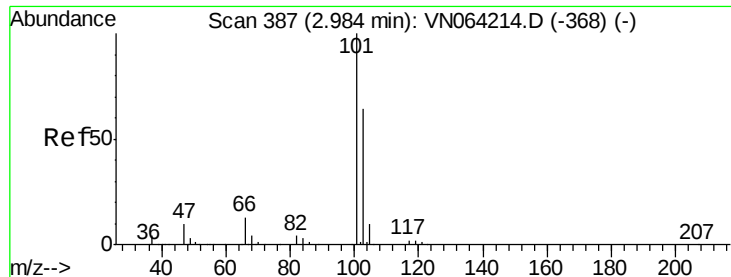
Abundance

Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

Time-->

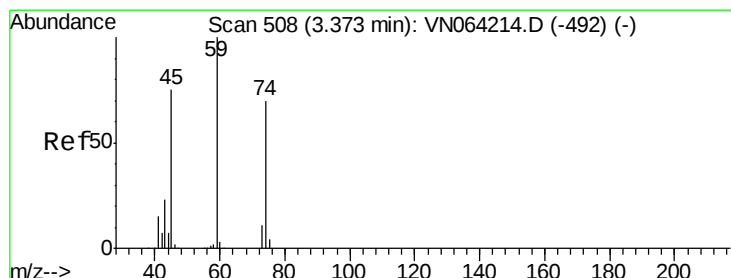
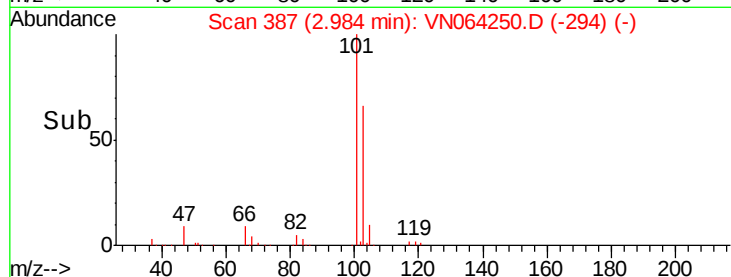
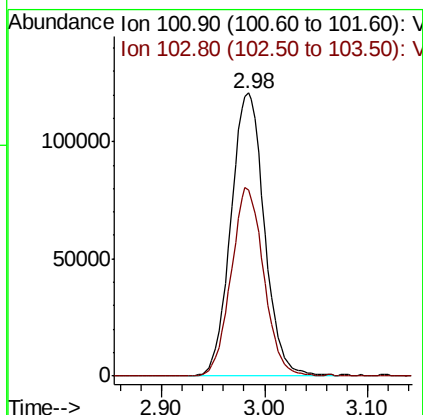
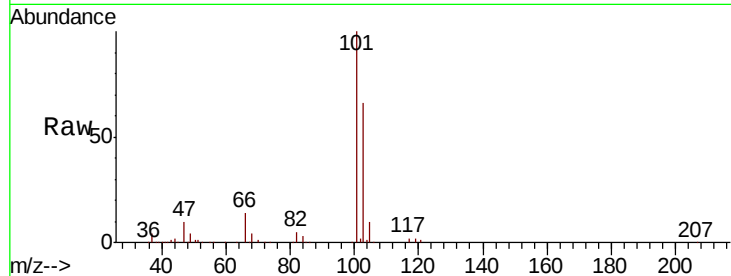


#7

Trichlorofluoromethane
 Concen: 55.295 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064250.D
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Instrument :
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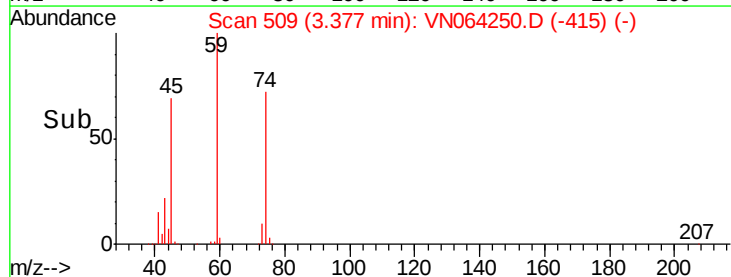
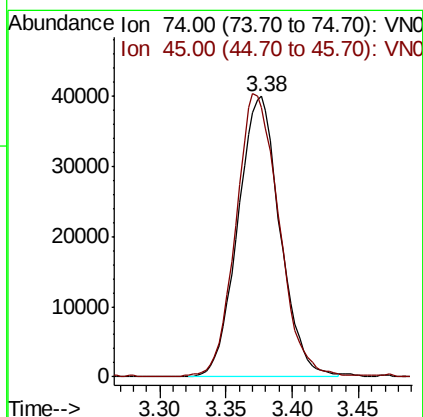
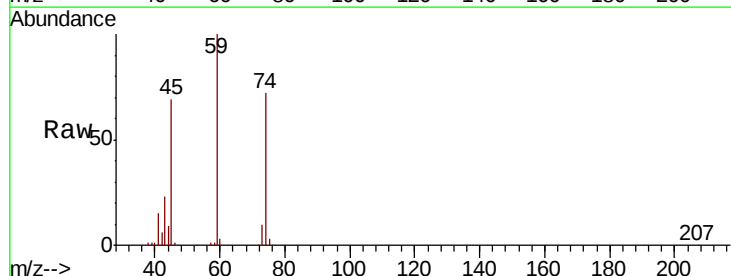
Tot Ion:101 Resp: 273360
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6

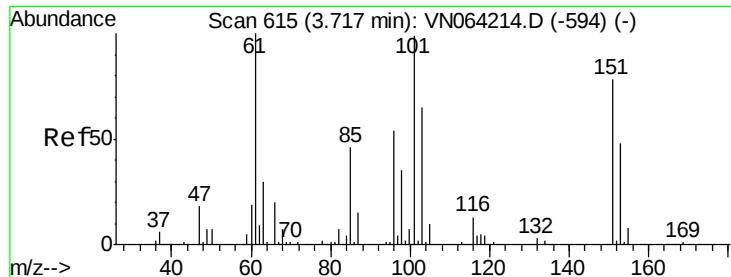


#8

Diethyl Ether
 Concen: 54.080 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Tgt Ion: 74 Resp: 88439
 Ion Ratio Lower Upper
 74 100
 45 103.3 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.838 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

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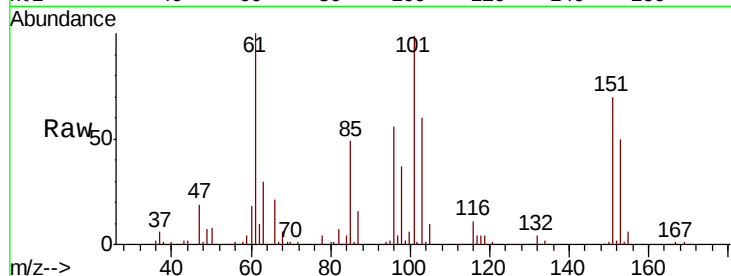
Tot Ion:101 Resp: 132519

Ion Ratio Lower Upper

101 100

85 49.6 37.8 56.8

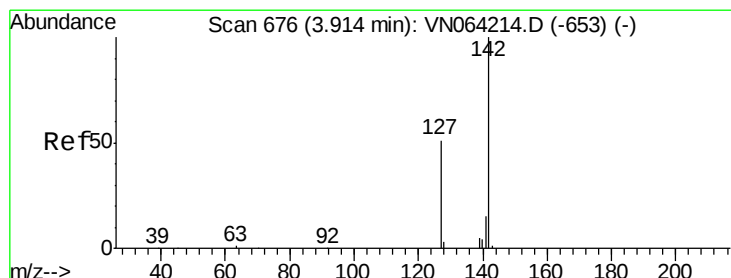
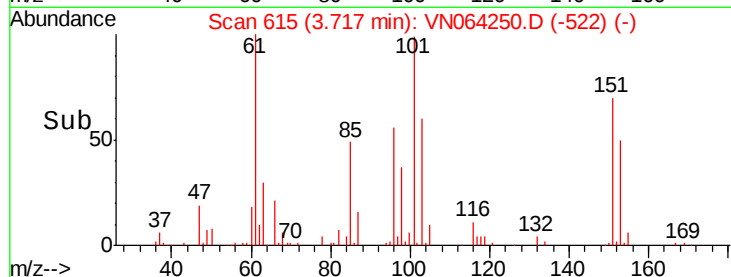
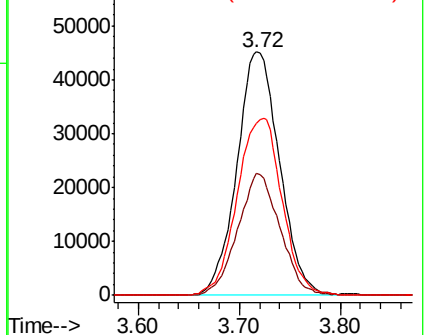
151 76.5 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.954 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

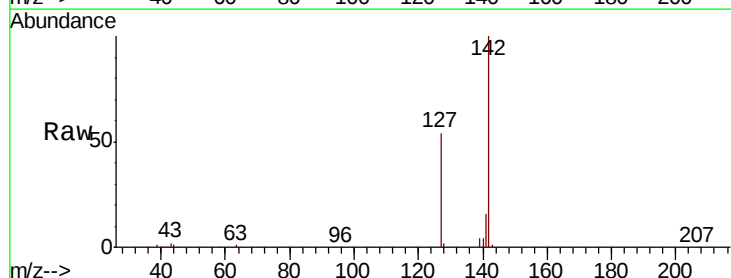
Tgt Ion:142 Resp: 188870

Ion Ratio Lower Upper

142 100

127 54.5 41.0 61.6

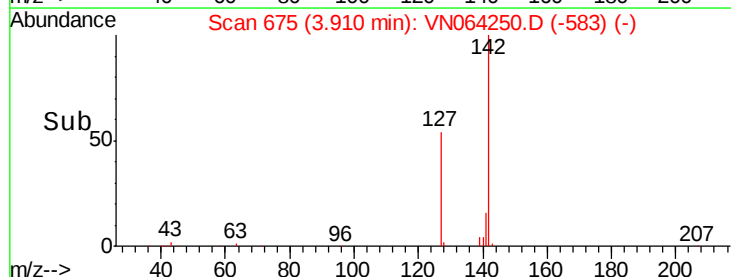
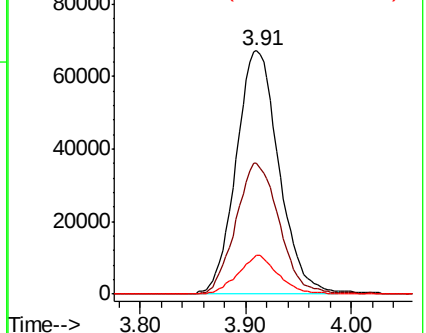
141 14.9 11.3 16.9

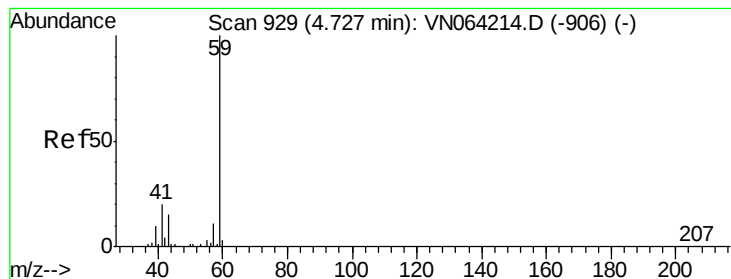


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



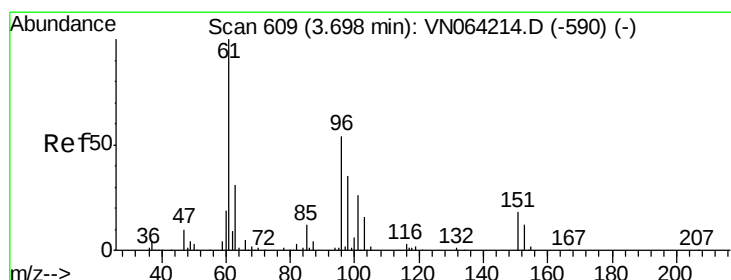
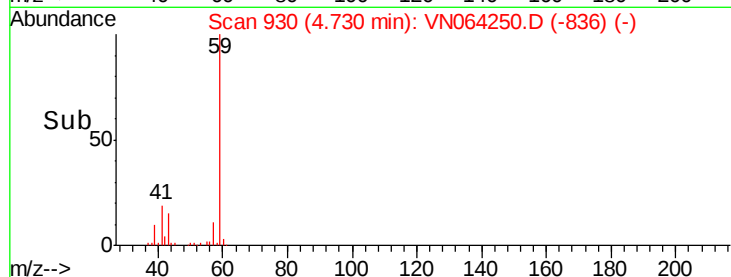
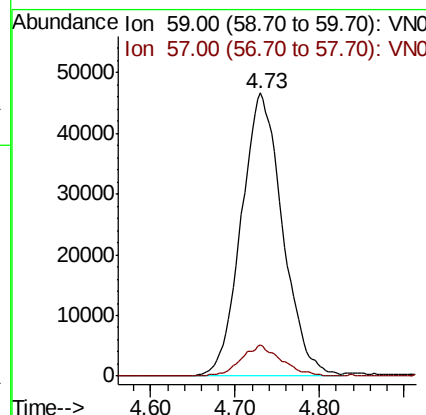
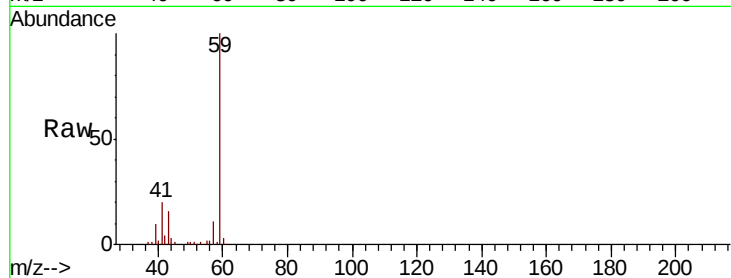


#11

Tert butyl alcohol
Concen: 304.777 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

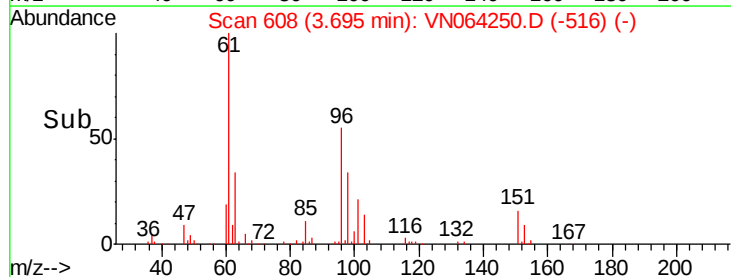
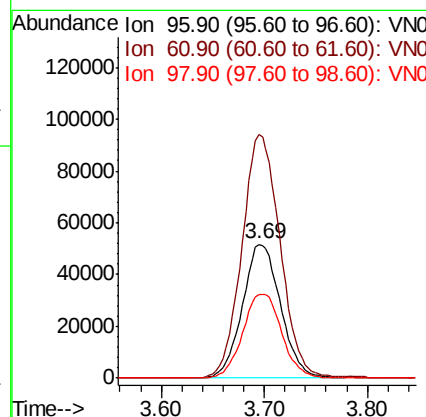
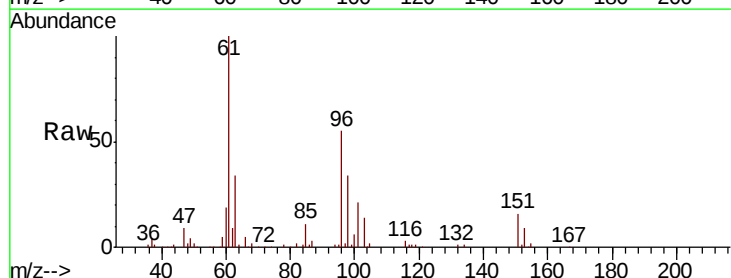
Tot Ion: 59 Resp: 158953
Ion Ratio Lower Upper
59 100
57 10.7 9.2 13.8

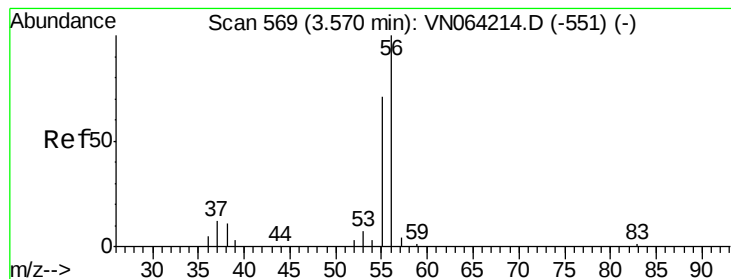


#12

1,1-Dichloroethene
Concen: 54.020 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 96 Resp: 132828
Ion Ratio Lower Upper
96 100
61 182.3 147.0 220.4
98 62.7 51.7 77.5





#13

Acrolein

Concen: 189.648 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

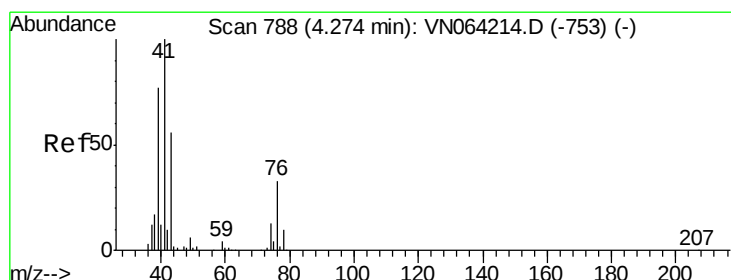
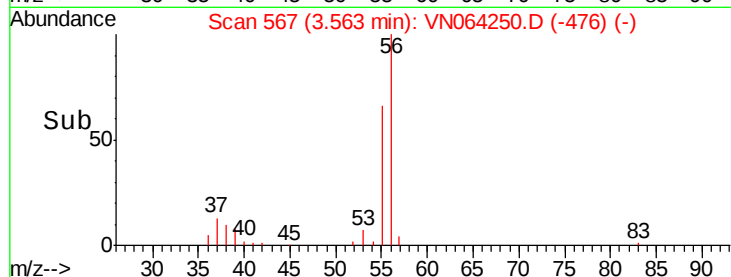
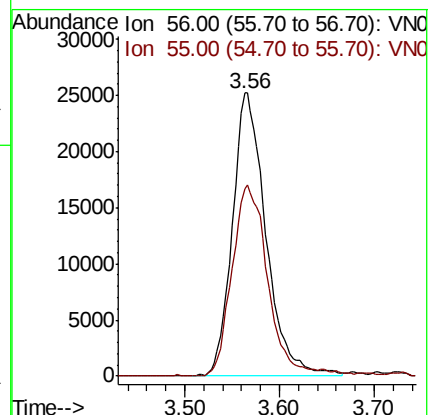
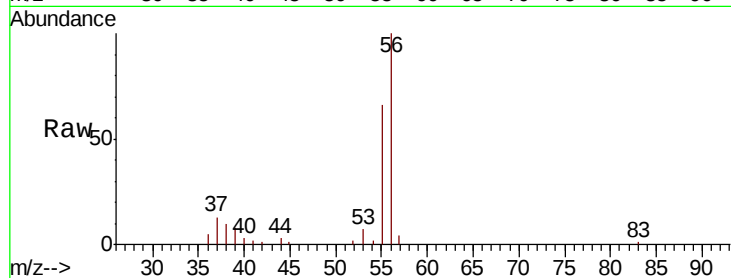
VSTDCCC050EC

Tot Ion: 56 Resp: 62088

Ion Ratio Lower Upper

56 100

55 71.0 56.1 84.1



#14

Allyl chloride

Concen: 48.974 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

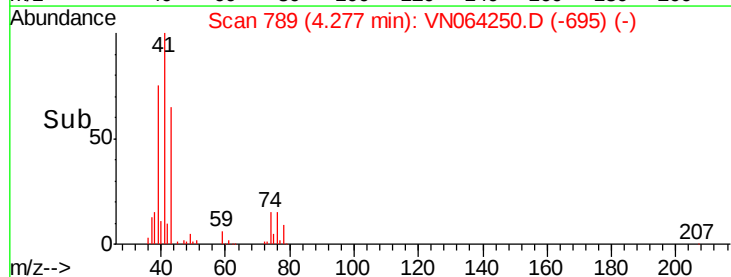
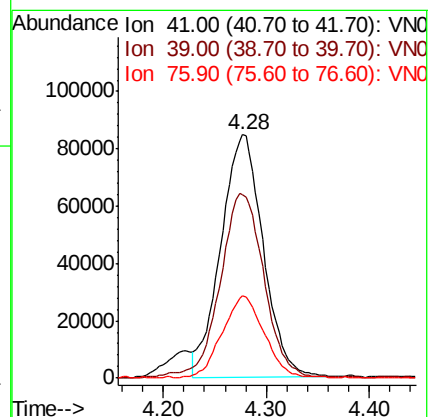
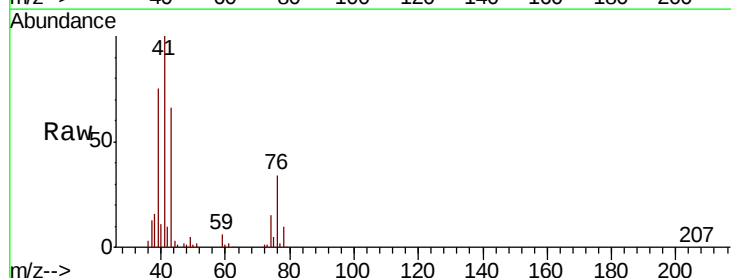
Tgt Ion: 41 Resp: 241014

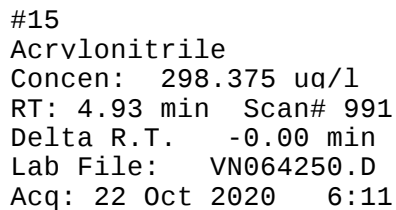
Ion Ratio Lower Upper

41 100

39 79.3 58.6 88.0

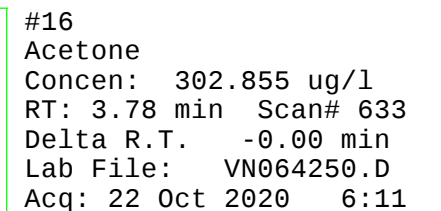
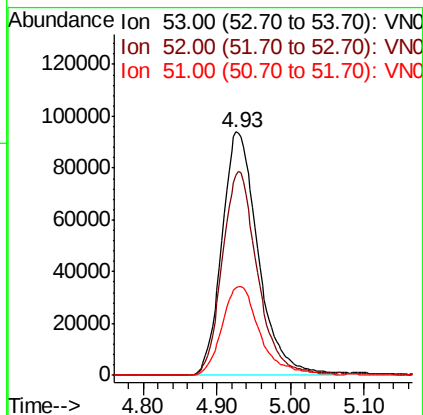
76 32.7 24.5 36.7



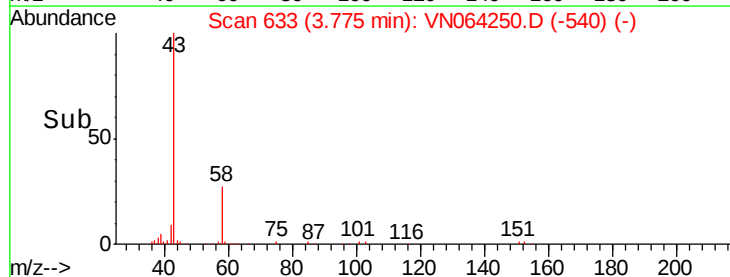
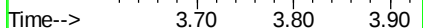
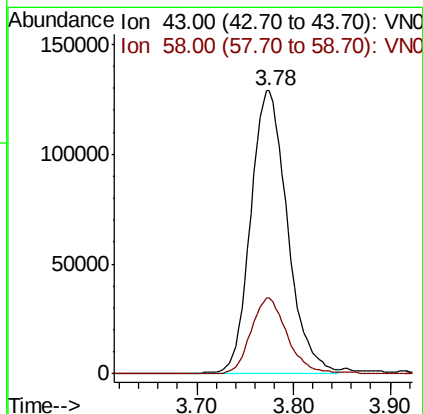


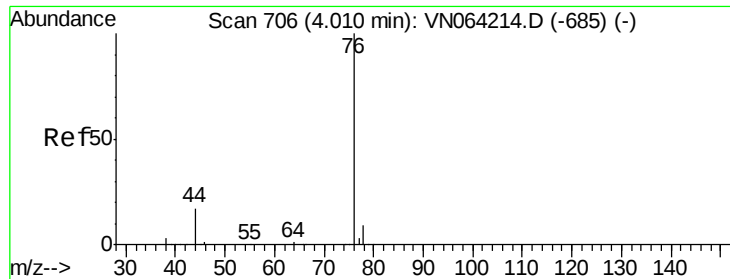
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot	Ion: 53	Resp:	321782
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.8	100.2
51	38.2	30.7	46.1



Tgt	Ion: 43	Resp:	337617
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.0	31.4

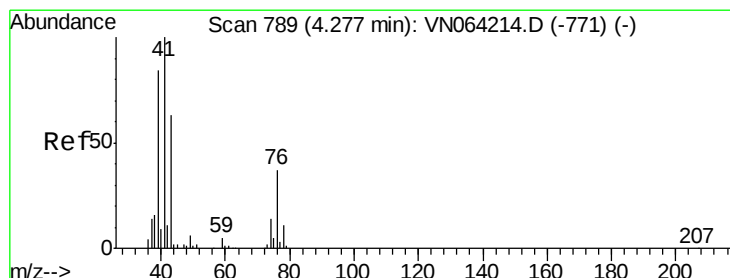
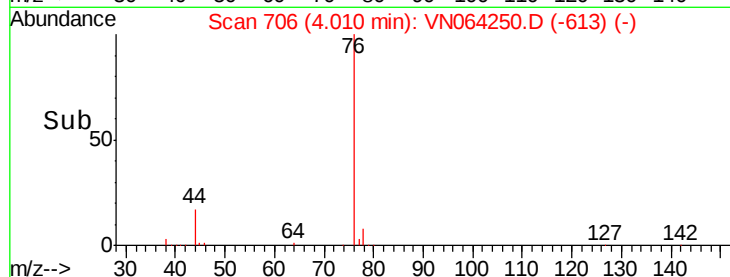
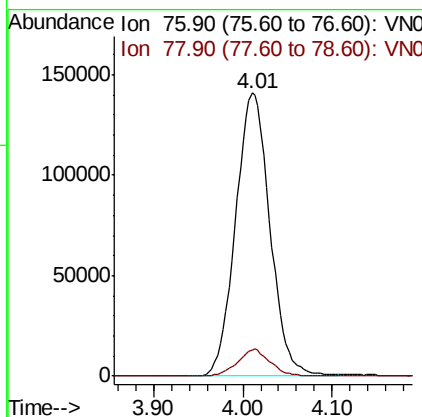
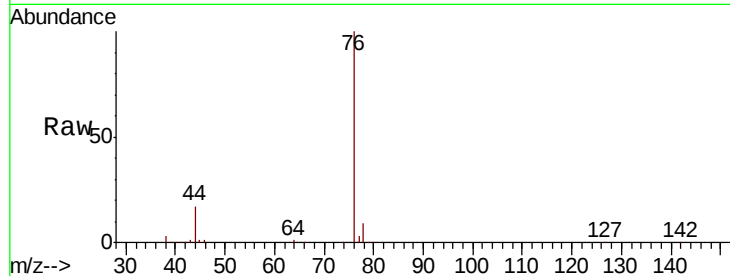




#17
Carbon Disulfide
Concen: 53.645 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

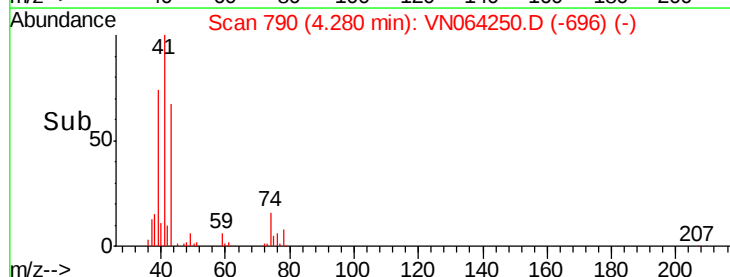
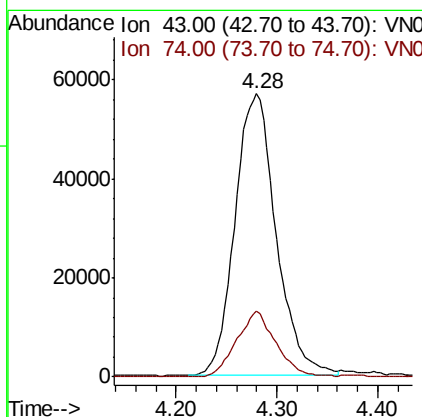
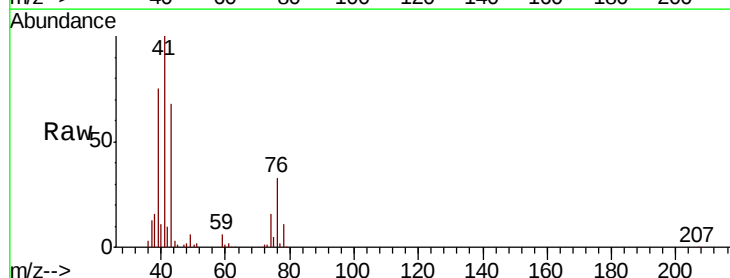
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

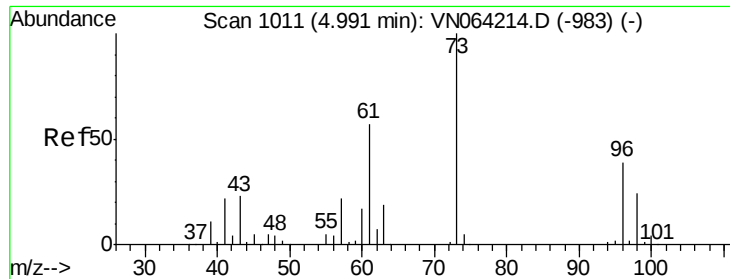
Tot Ion: 76 Resp: 376258
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 56.595 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 43 Resp: 160768
Ion Ratio Lower Upper
43 100
74 22.2 17.9 26.9

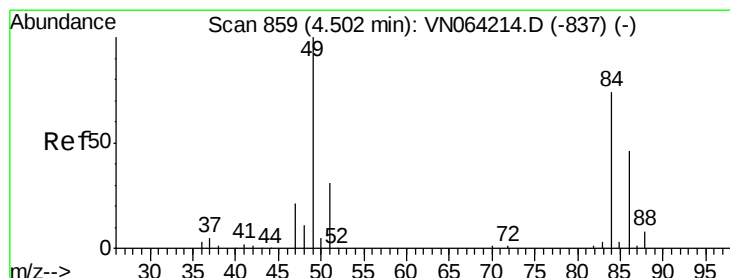
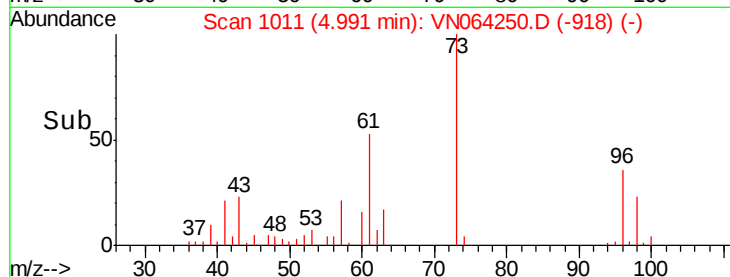
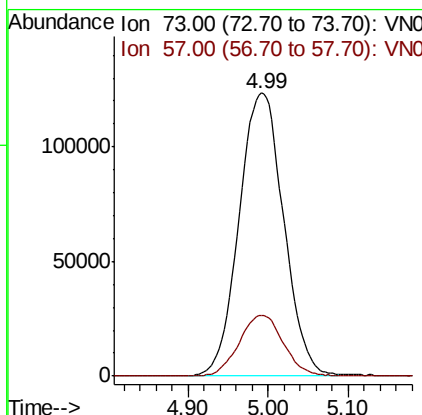
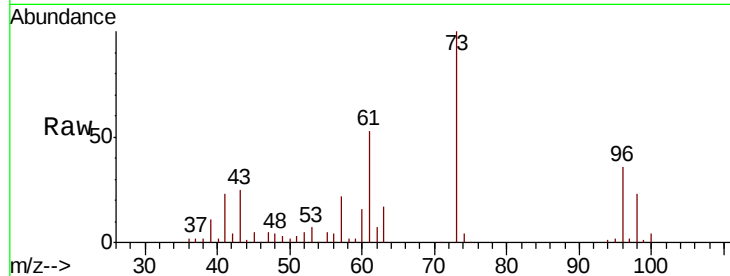




#19
Methyl tert-butyl Ether
Concen: 55.513 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

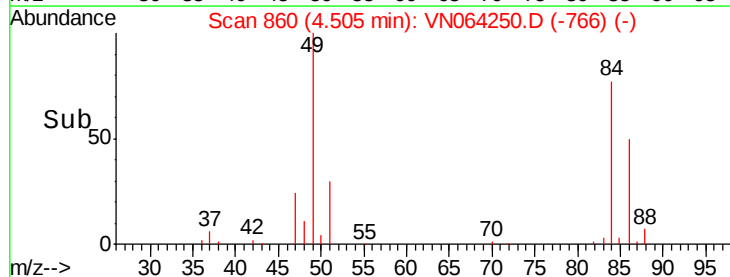
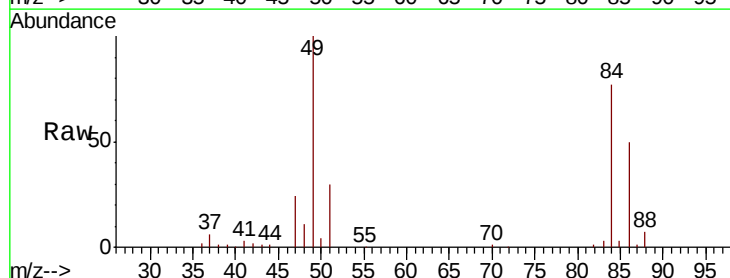
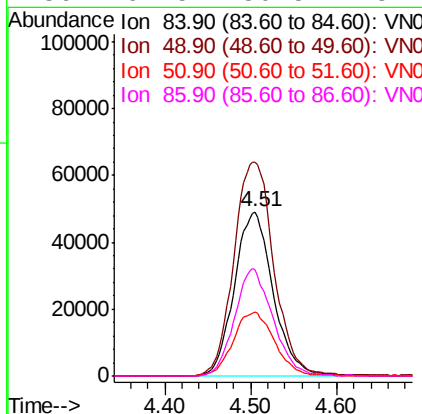
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

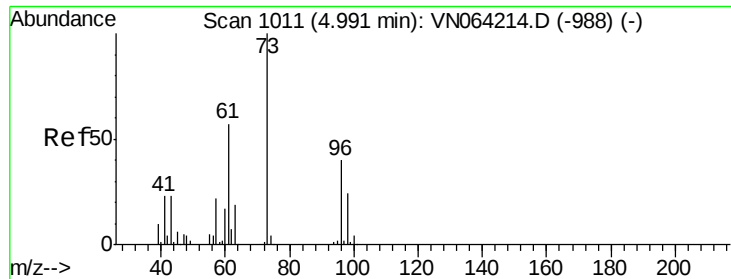
Tot Ion: 73 Resp: 469271
Ion Ratio Lower Upper
73 100
57 21.6 18.0 27.0



#20
Methylene Chloride
Concen: 51.780 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 84 Resp: 153921
Ion Ratio Lower Upper
84 100
49 129.7 108.5 162.7
51 39.2 33.8 50.8
86 64.5 50.5 75.7

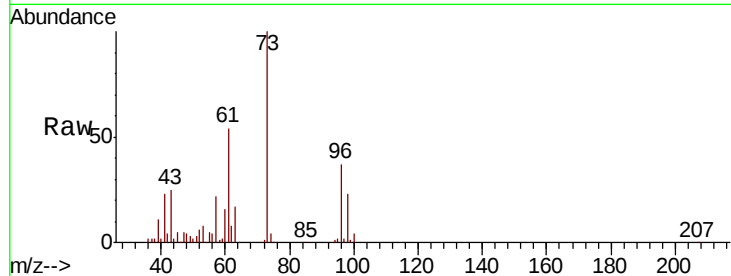




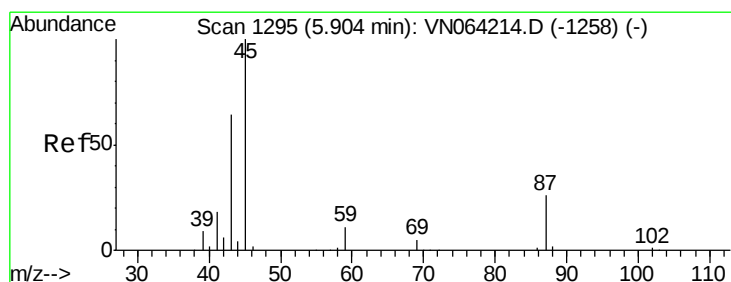
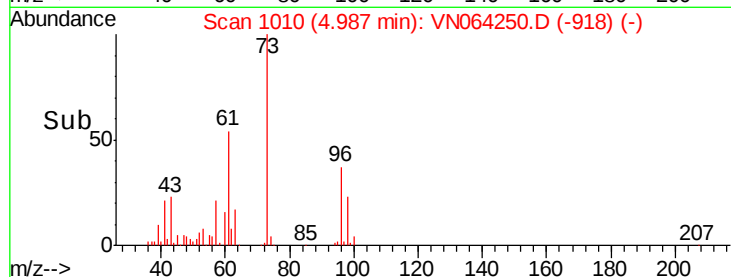
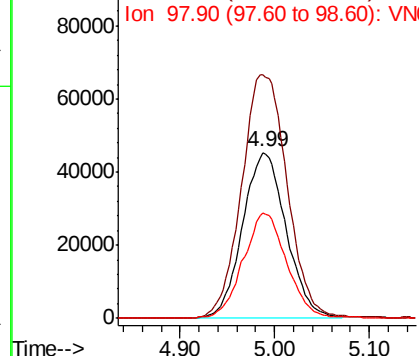
#21
trans-1,2-Dichloroethene
Concen: 53.465 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 144964
Ion Ratio Lower Upper
96 100
61 146.8 115.8 173.6
98 63.5 49.4 74.0

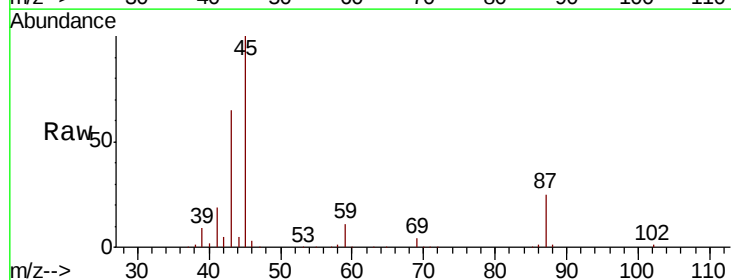


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

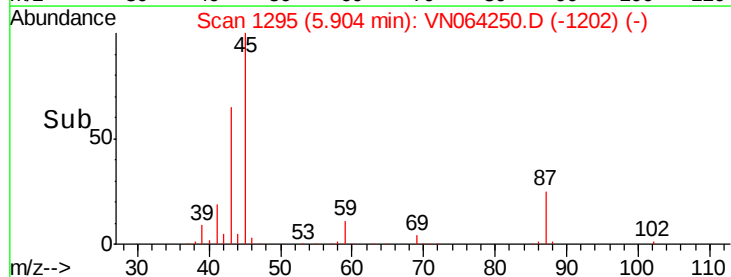
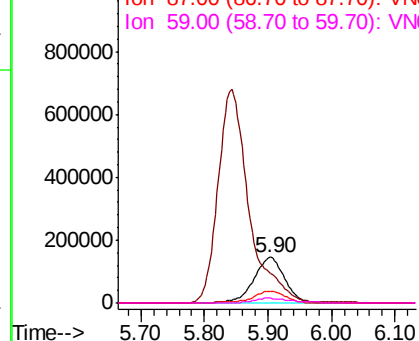


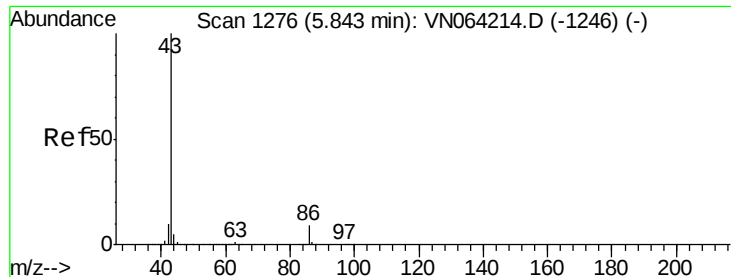
#22
Diisopropyl ether
Concen: 53.691 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 45 Resp: 491190
Ion Ratio Lower Upper
45 100
43 63.4 52.2 78.4
87 25.2 21.4 32.0
59 10.4 8.3 12.5



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 280.850 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

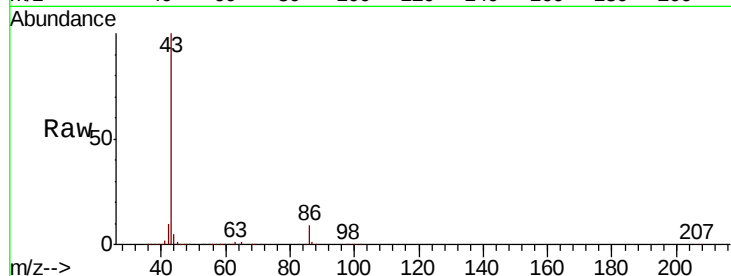
VSTDCCC050EC

Tot Ion: 43 Resp: 2291342

Ion Ratio Lower Upper

43 100

86 9.0 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN064250.D (-1183) (-)

Ion 86.00 (85.70 to 86.70): VN064250.D (-1183) (-)

5.84

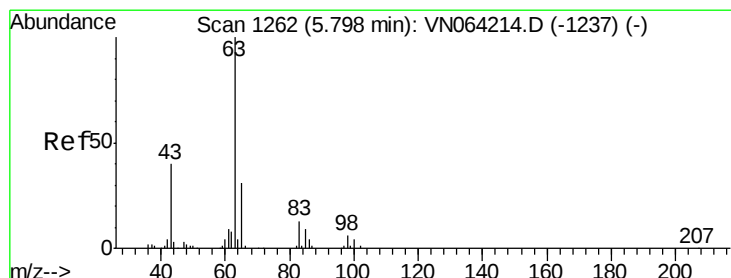
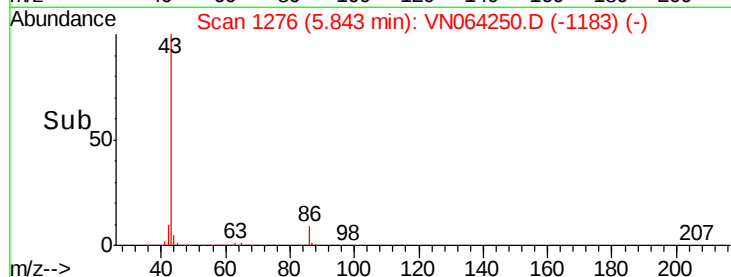
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.236 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

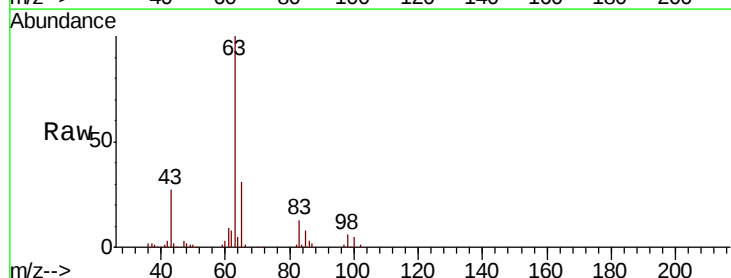
Tgt Ion: 63 Resp: 292735

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

100 4.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN064250.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064250.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064250.D (-1169) (-)

5.79

120000

100000

80000

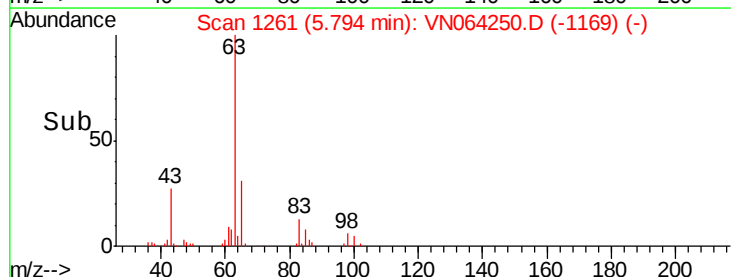
60000

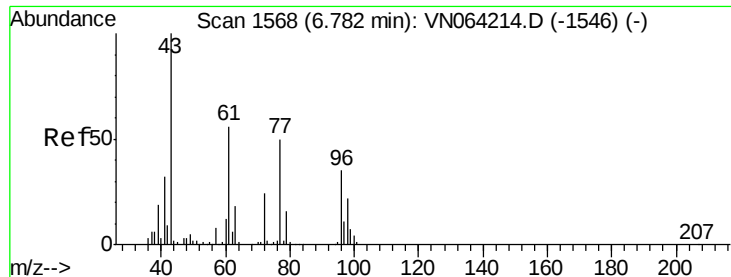
40000

20000

0

Time-->





#25

2-Butanone

Concen: 289.522 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

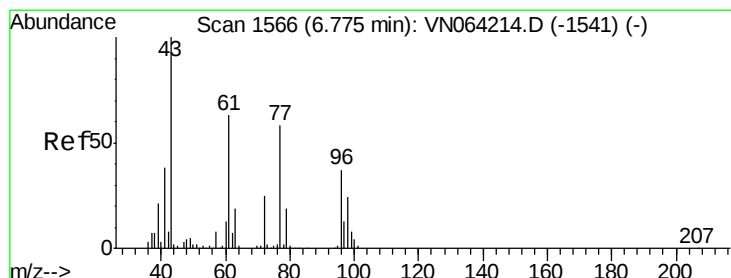
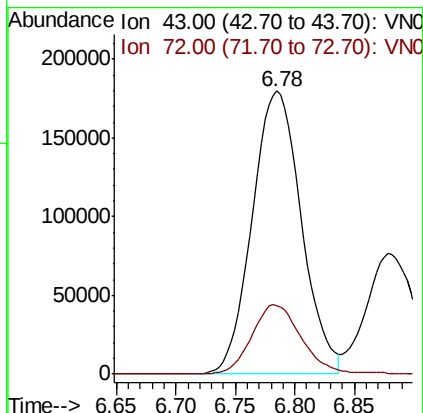
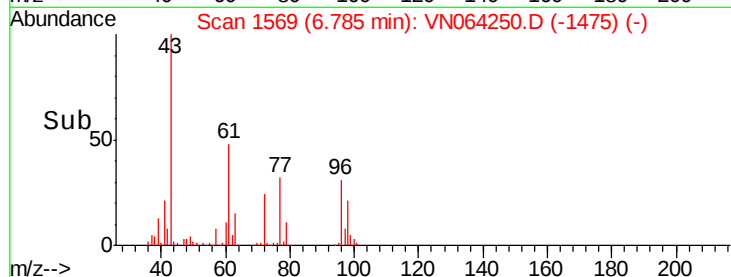
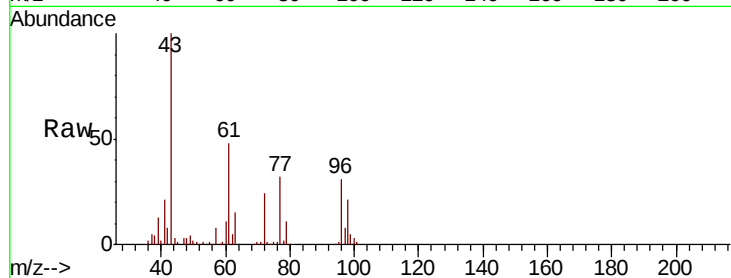
VSTDCCC050EC

Tot Ion: 43 Resp: 512781

Ion Ratio Lower Upper

43 100

72 24.3 19.4 29.0



#26

2,2-Dichloropropane

Concen: 38.895 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064250.D

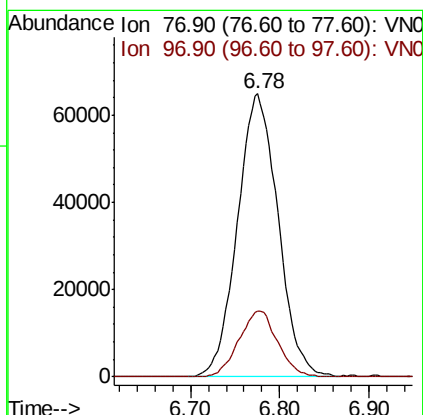
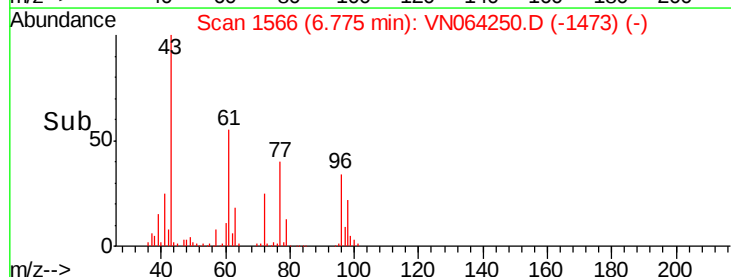
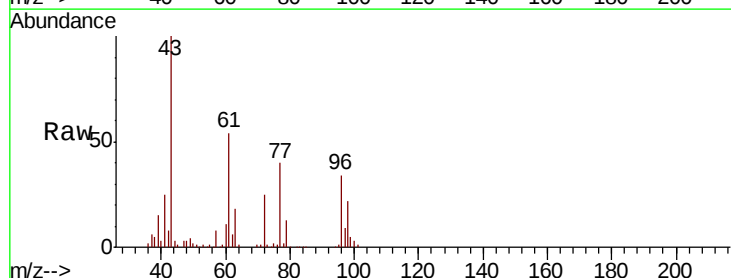
Acq: 22 Oct 2020 6:11

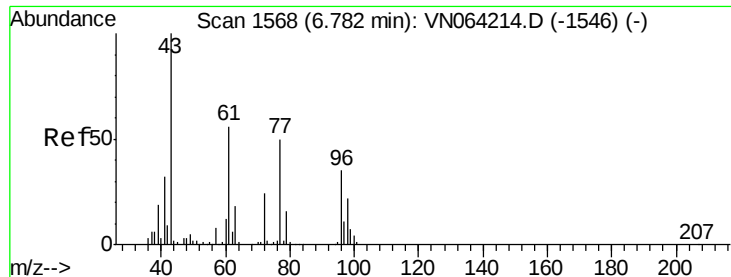
Tgt Ion: 77 Resp: 205213

Ion Ratio Lower Upper

77 100

97 22.1 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 53.847 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

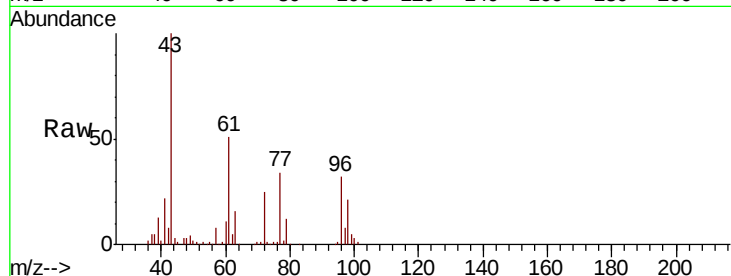
Tot Ion: 96 Resp: 170027

Ion Ratio Lower Upper

96 100

61 156.3 0.0 330.0

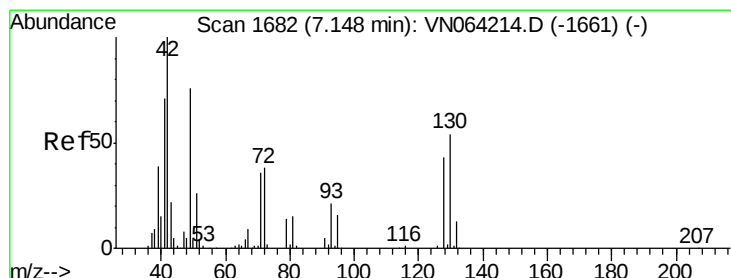
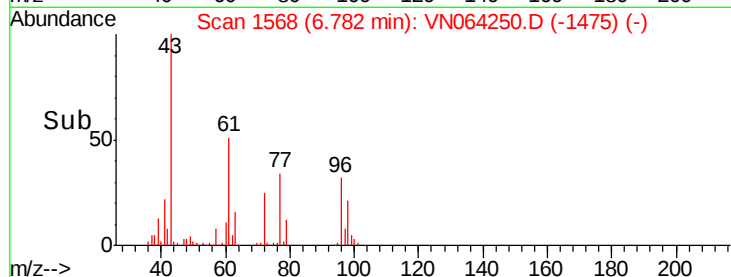
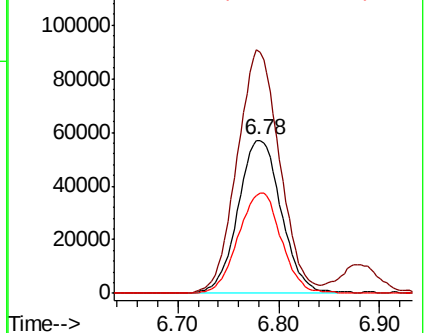
98 65.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064250.D (-1475) (-)

Ion 60.90 (60.60 to 61.60): VN064250.D (-1475) (-)

Ion 97.90 (97.60 to 98.60): VN064250.D (-1475) (-)



#28

Bromochloromethane

Concen: 55.096 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

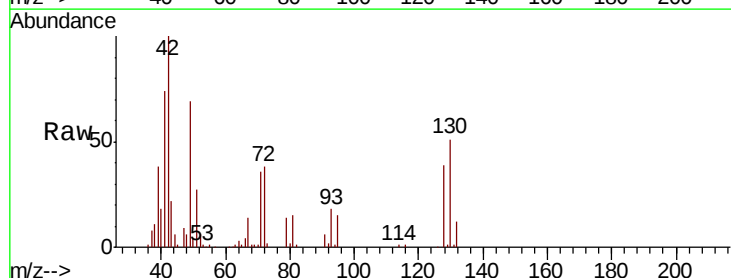
Tgt Ion: 49 Resp: 138716

Ion Ratio Lower Upper

49 100

129 0.6 0.0 2.8

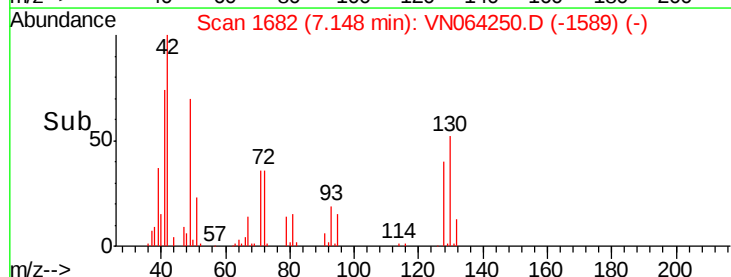
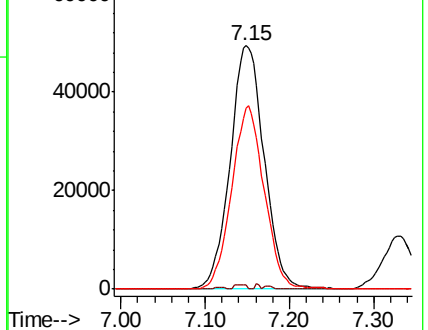
130 71.7 58.8 88.2

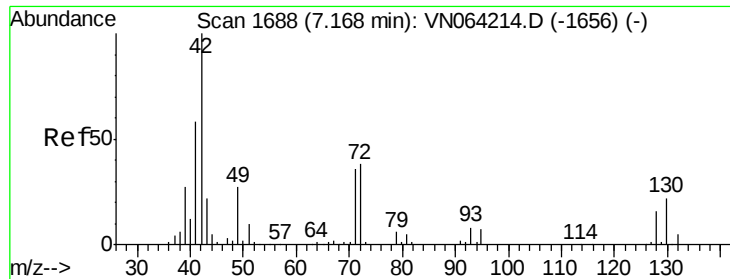


Abundance Ion 48.90 (48.60 to 49.60): VN064250.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064250.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064250.D (-1589) (-)

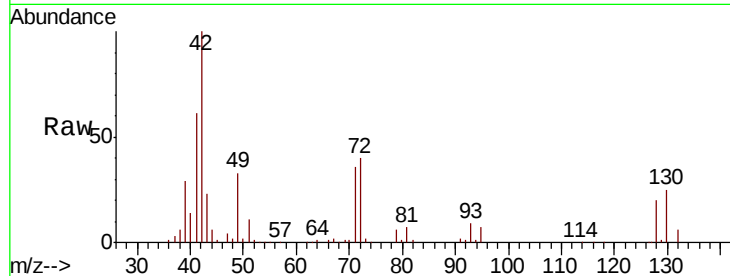




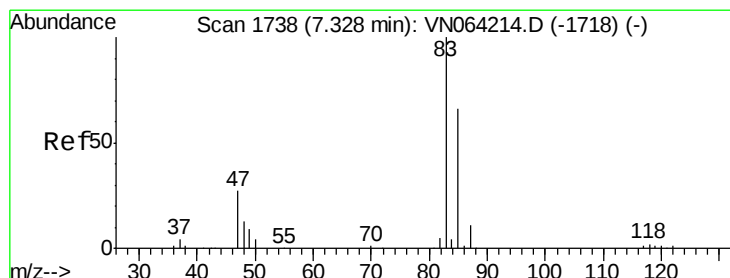
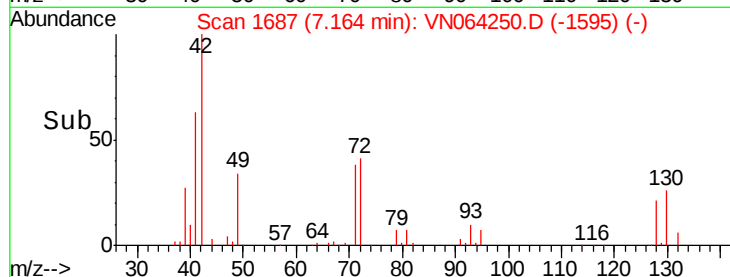
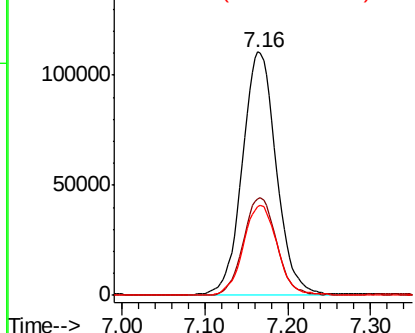
#29
Tetrahydrofuran
Concen: 295.786 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 313368
Ion Ratio Lower Upper
42 100
72 39.4 30.8 46.2
71 37.1 29.0 43.6

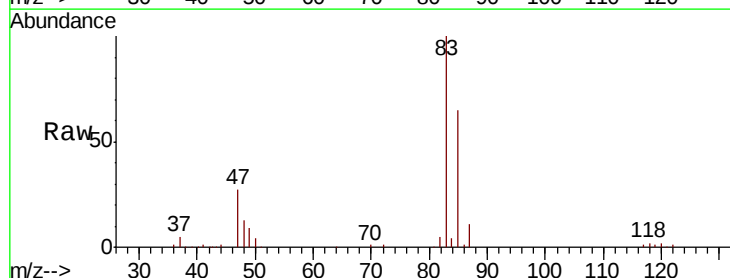


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

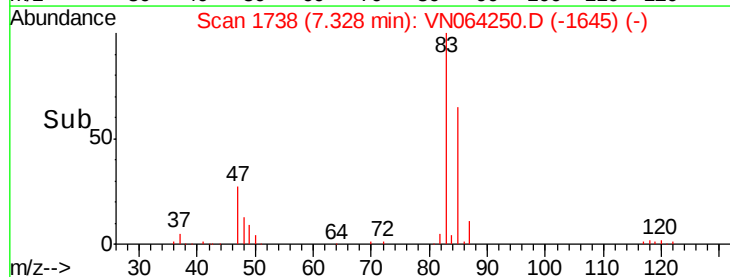
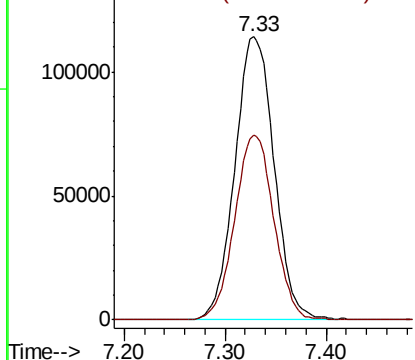


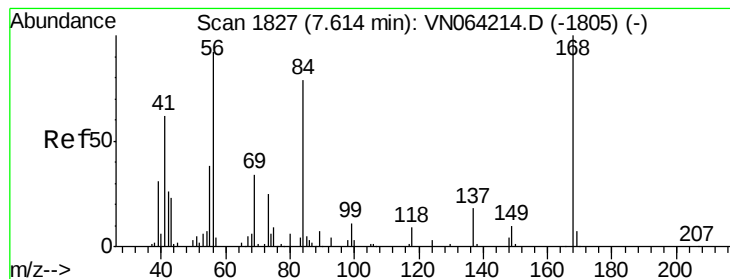
#30
Chloroform
Concen: 54.484 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 83 Resp: 308001
Ion Ratio Lower Upper
83 100
85 65.1 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.824 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

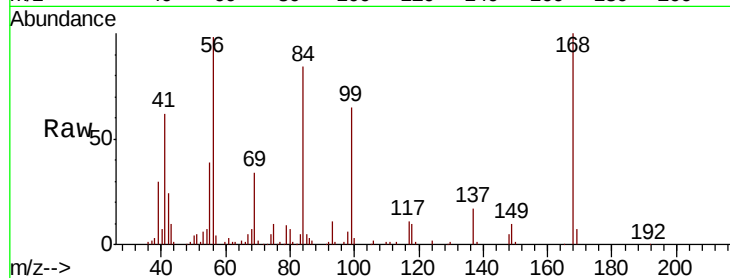
Tot Ion: 56 Resp: 225501

Ion Ratio Lower Upper

56 100

69 34.8 29.8 44.6

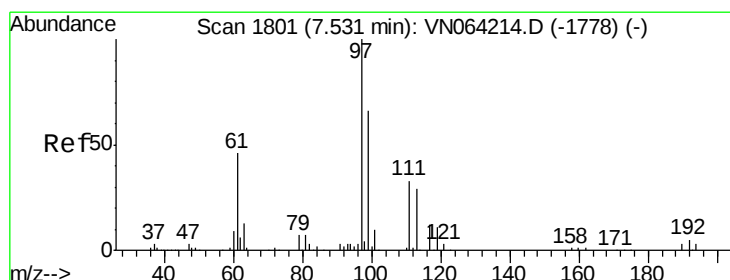
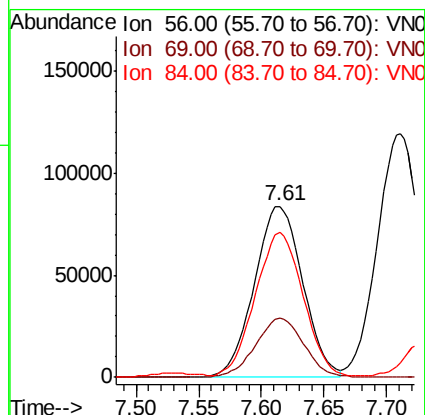
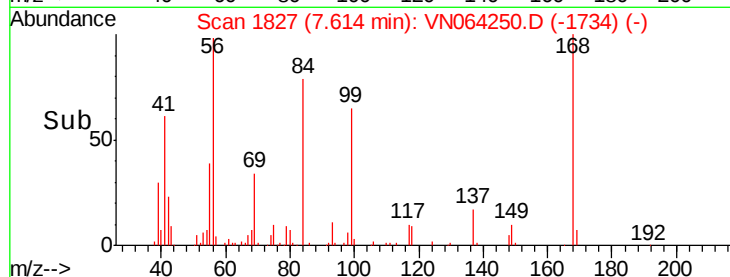
84 83.5 68.1 102.1



Abundance Ion 56.00 (55.70 to 56.70): VN064250.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064250.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064250.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 55.590 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

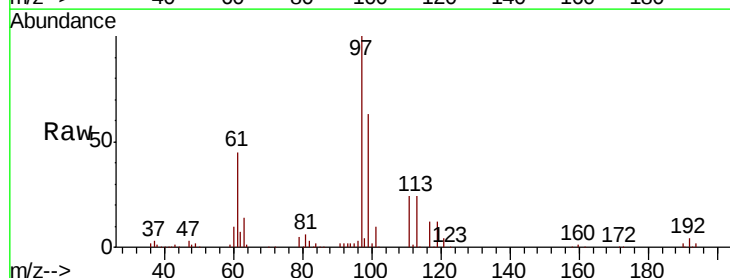
Tgt Ion: 97 Resp: 294393

Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

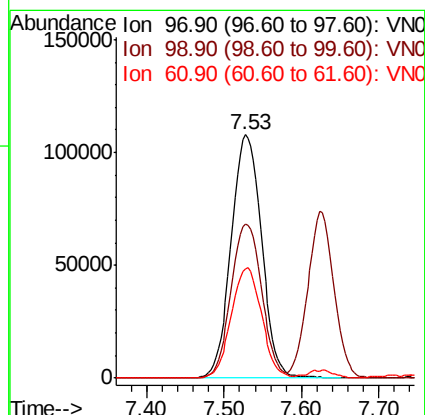
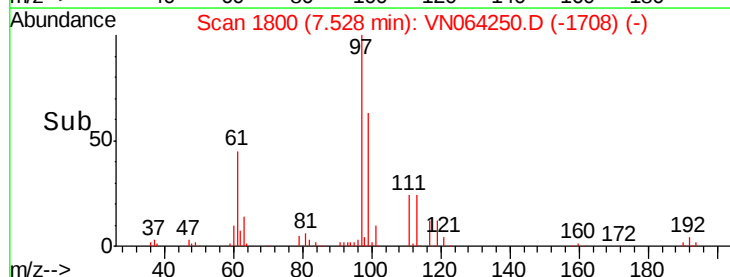
61 45.2 36.3 54.5

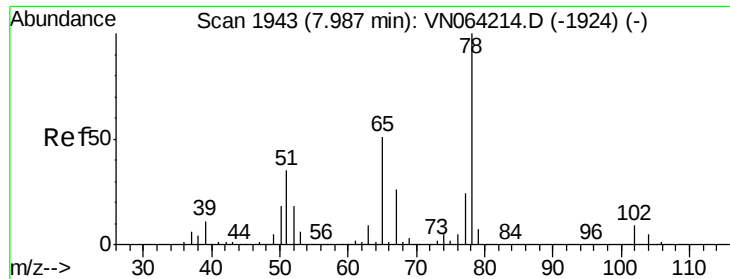


Abundance Ion 96.90 (96.60 to 97.60): VN064250.D (-1708) (-)

Ion 98.90 (98.60 to 99.60): VN064250.D (-1708) (-)

Ion 60.90 (60.60 to 61.60): VN064250.D (-1708) (-)

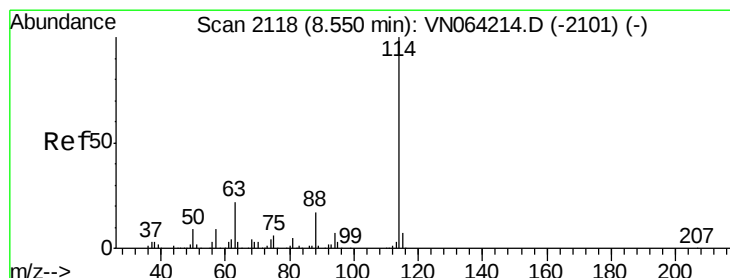
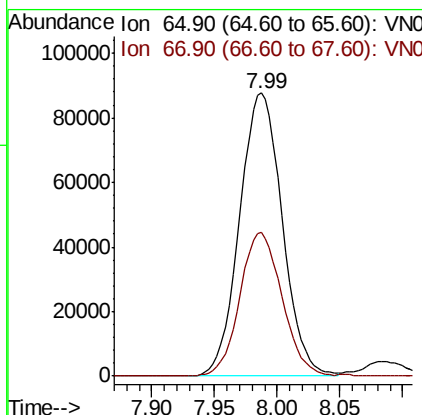
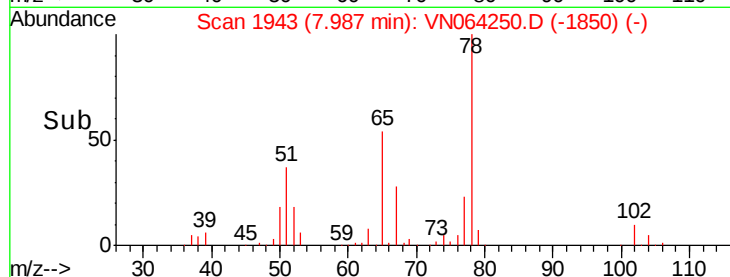
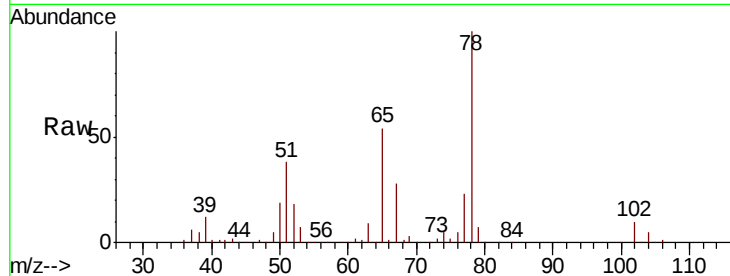




#33
 1,2-Dichloroethane-d4
 Concen: 53.272 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

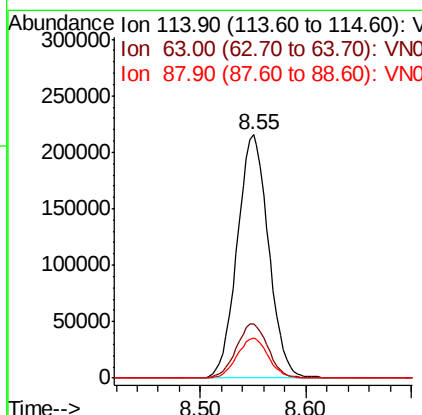
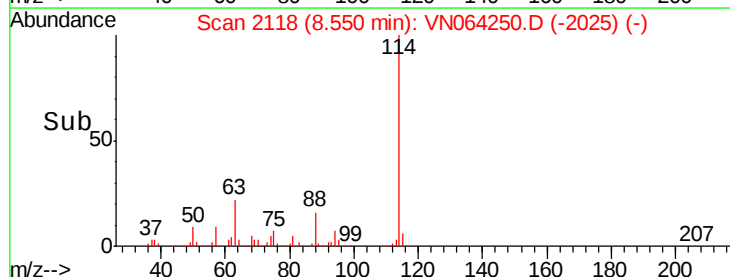
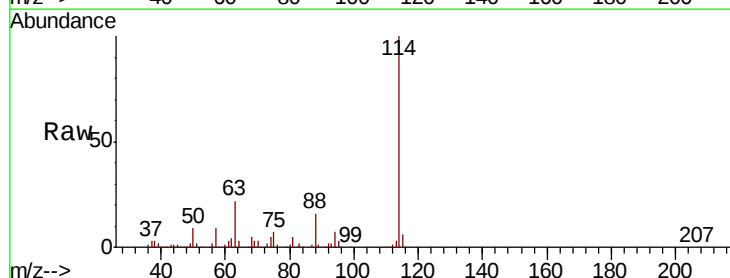
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

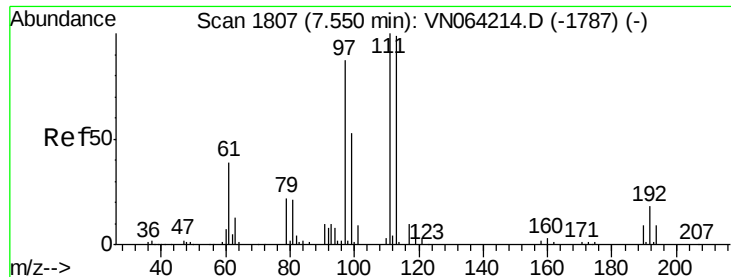
Tot Ion: 65 Resp: 207553
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Tgt Ion: 114 Resp: 444870
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.0
 88 16.4 0.0 34.2

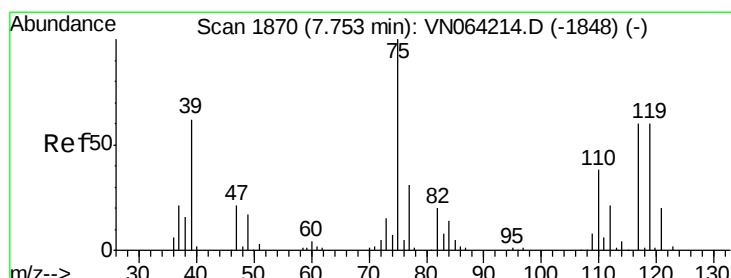
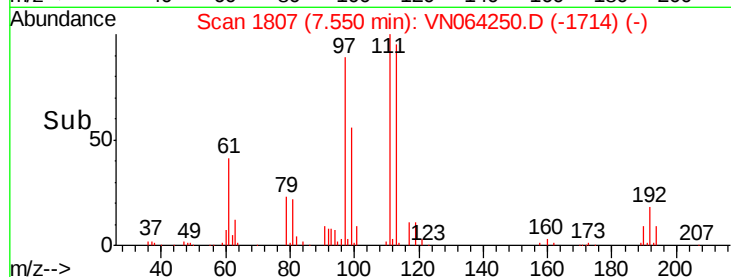
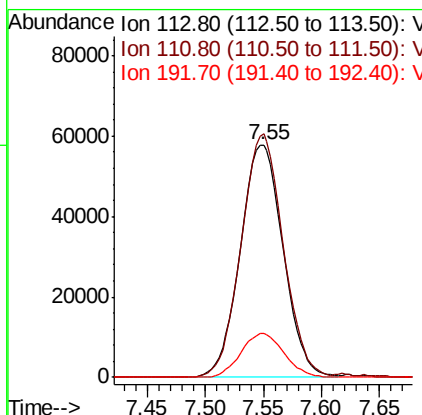
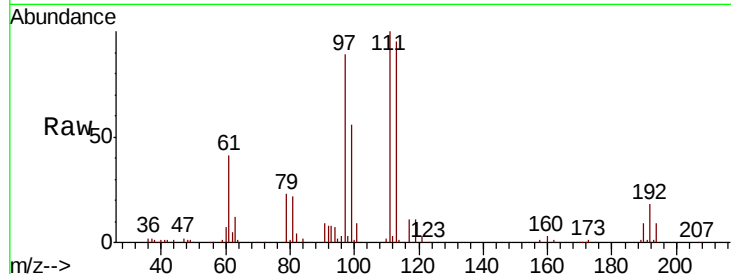




#35
 Dibromofluoromethane
 Concen: 50.555 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

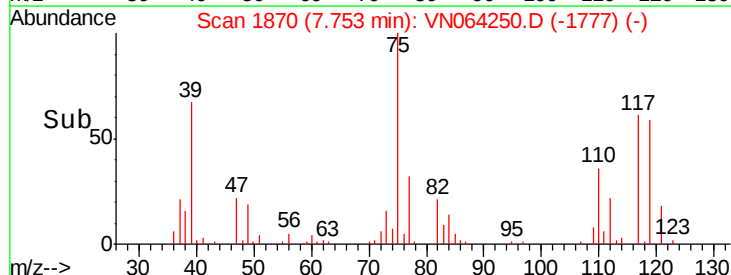
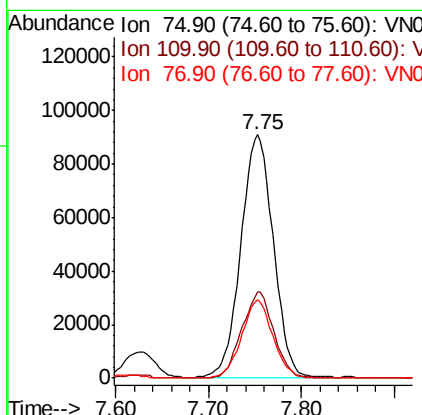
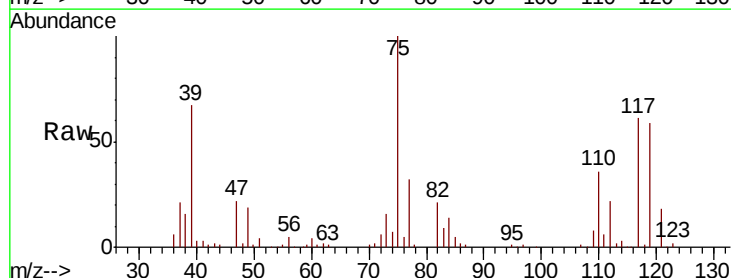
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

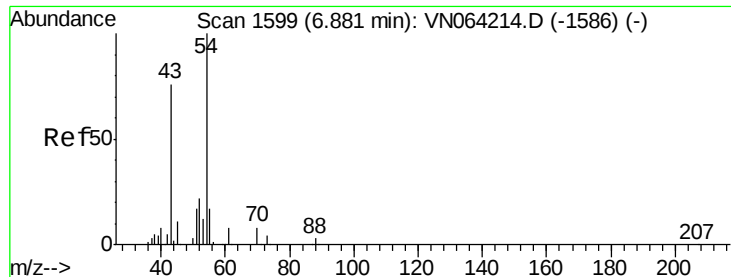
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	84.2	126.2
192	18.8	15.2	22.8



#36
 1,1-Dichloropropene
 Concen: 50.074 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.2	51.6
77	30.8	24.9	37.3

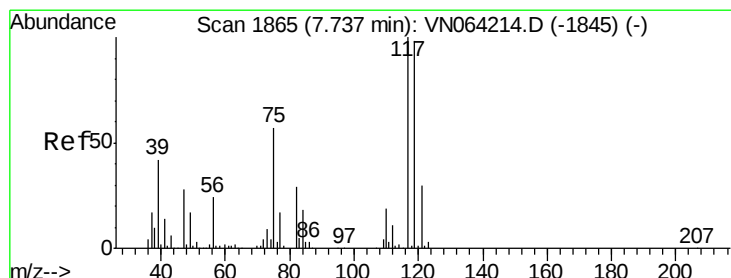
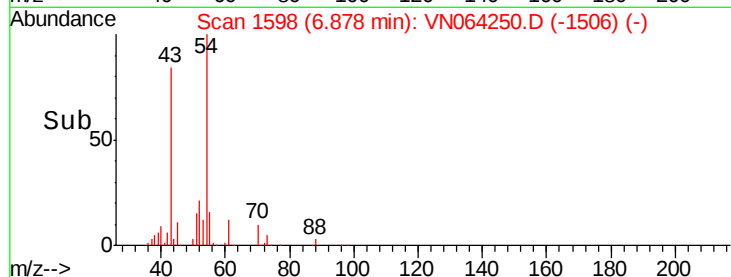
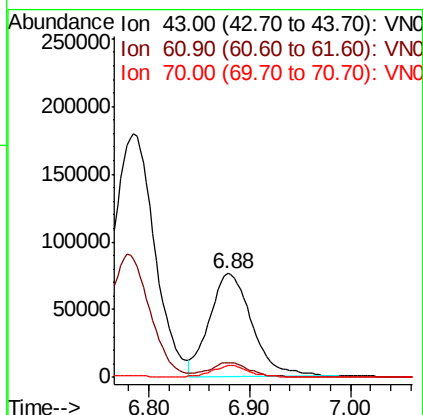
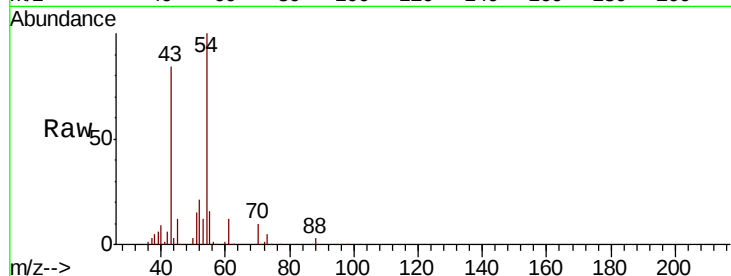




#37
Ethyl Acetate
Concen: 55.207 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

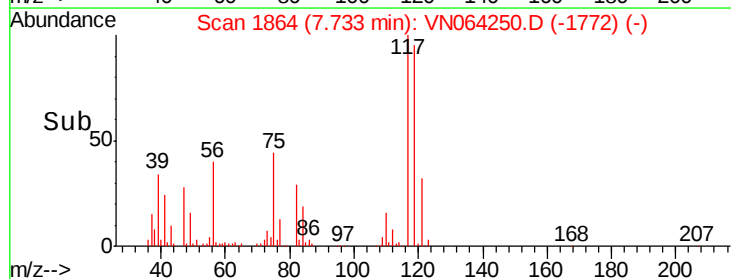
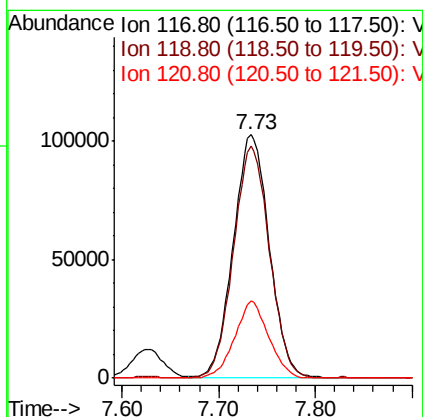
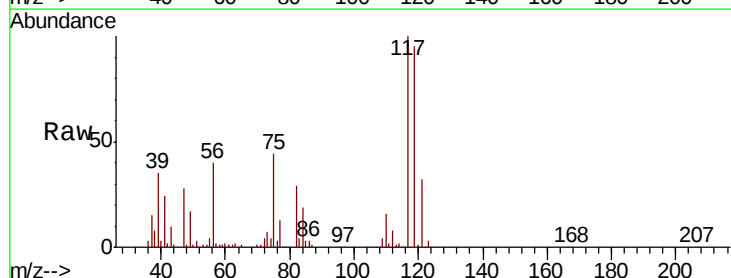
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

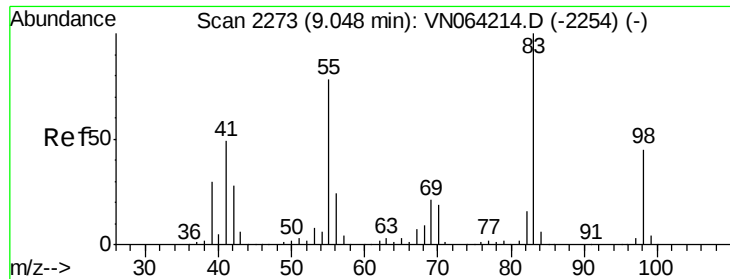
Tot Ion: 43 Resp: 222309
Ion Ratio Lower Upper
43 100
61 12.8 10.0 15.0
70 10.3 7.5 11.3



#38
Carbon Tetrachloride
Concen: 52.532 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 117 Resp: 265085
Ion Ratio Lower Upper
117 100
119 95.2 78.5 117.7
121 31.8 24.3 36.5

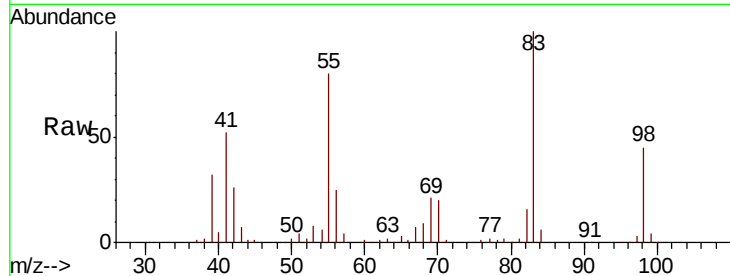




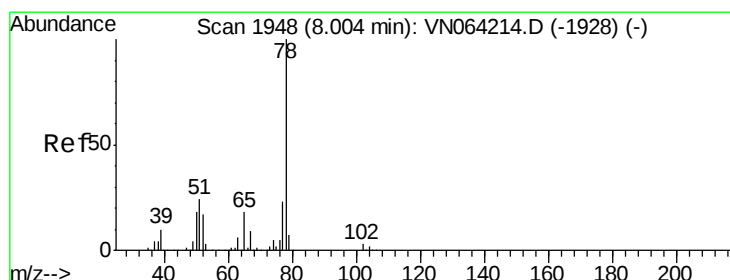
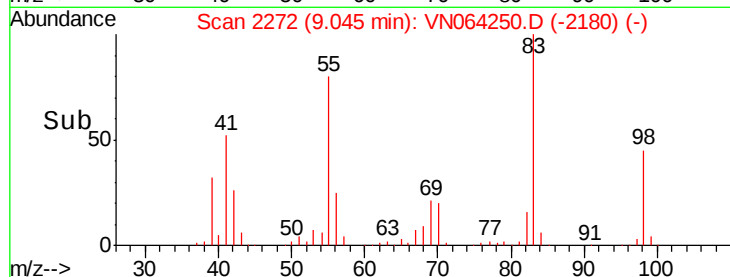
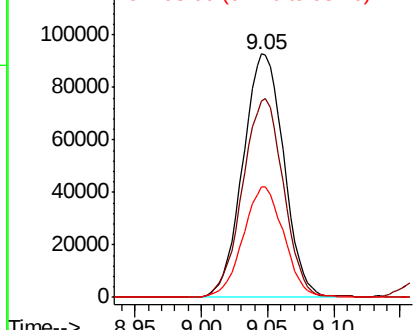
#39
Methvlcvclohexane
Concen: 49.487 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 199572
Ion Ratio Lower Upper
83 100
55 80.4 62.2 93.2
98 45.4 35.9 53.9

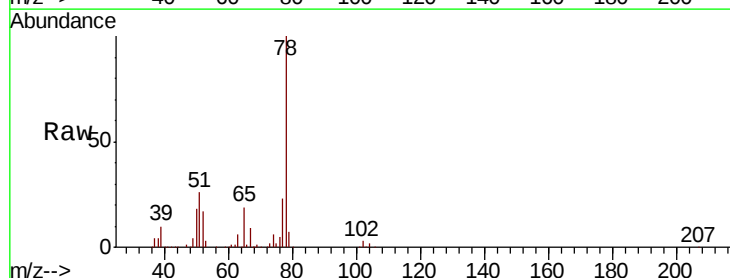


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

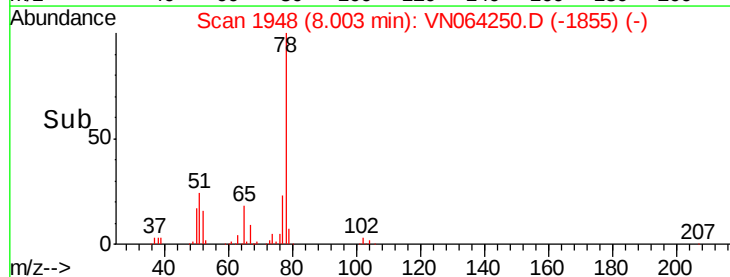
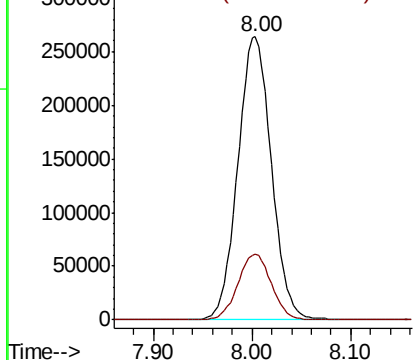


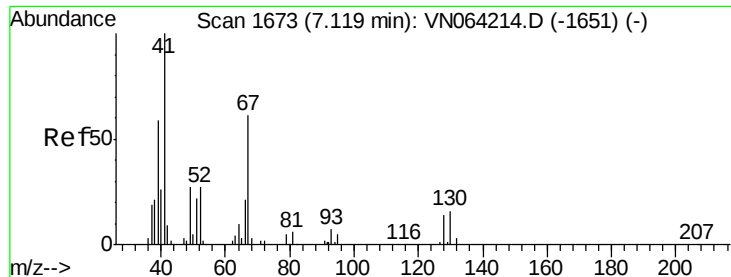
#40
Benzene
Concen: 50.833 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 78 Resp: 622347
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

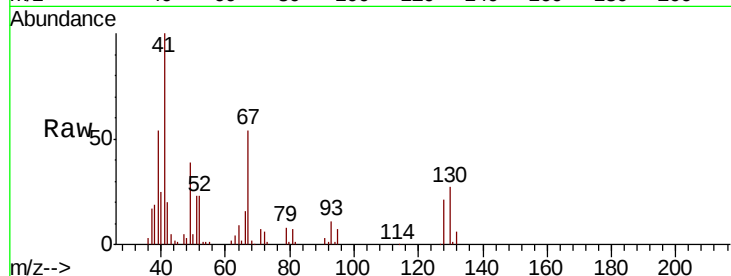




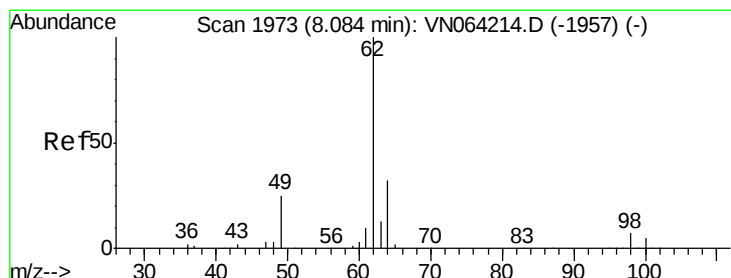
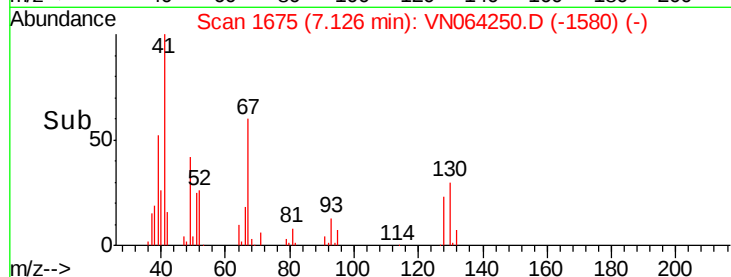
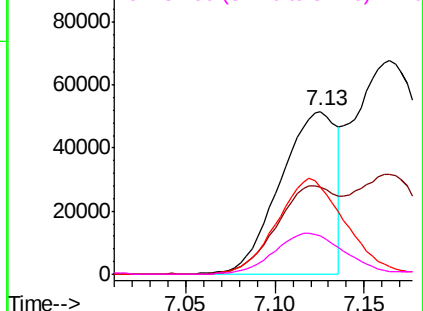
#41
Methacrylonitrile
Concen: 53.635 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	113294
Ion	Ratio	Lower	Upper
41	100		
39	60.9	50.5	75.7
67	71.8	63.2	94.8
52	32.0	29.3	43.9

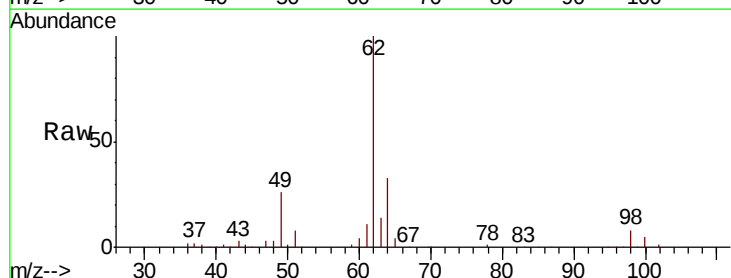


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

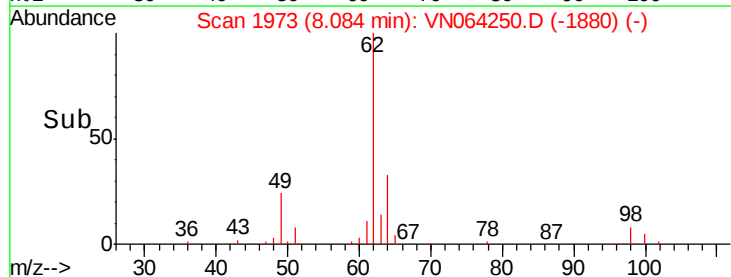
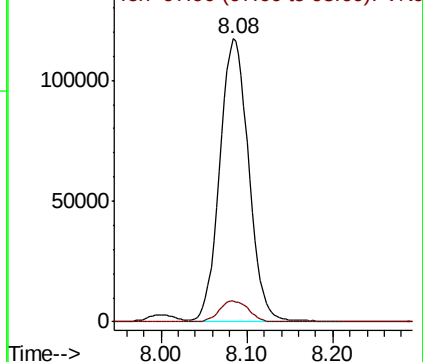


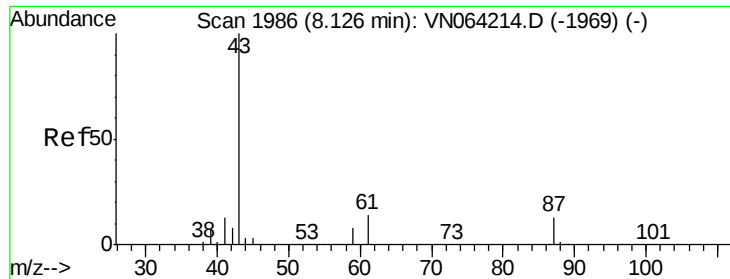
#42
1,2-Dichloroethane
Concen: 52.270 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion:	62	Resp:	274140
Ion	Ratio	Lower	Upper
62	100		
98	7.5	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: 54.528 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

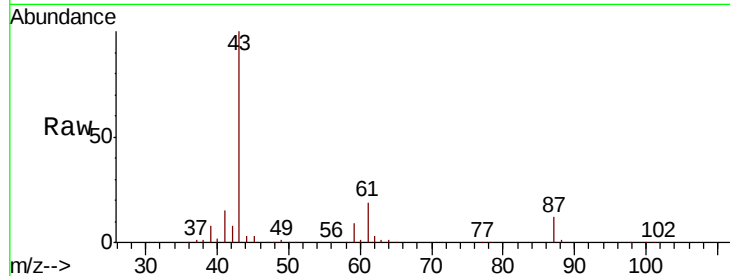
Tot Ion: 43 Resp: 409211

Ion Ratio Lower Upper

43 100

61 17.5 19.6 29.4#

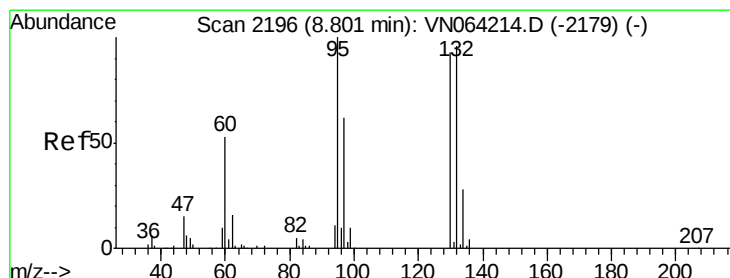
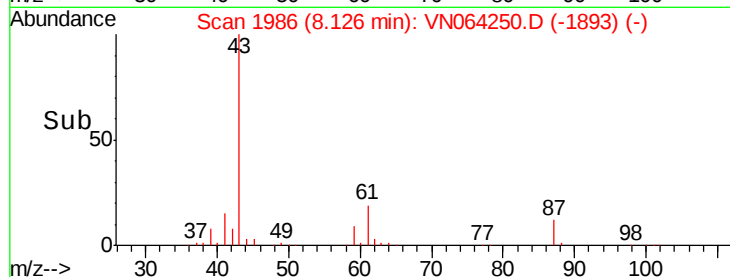
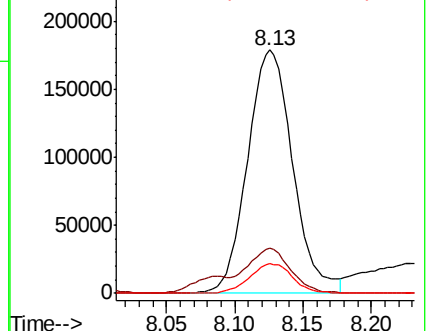
87 11.5 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN064250.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN064250.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN064250.D (-2103) (-)



#44

Trichloroethene

Concen: 51.931 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064250.D

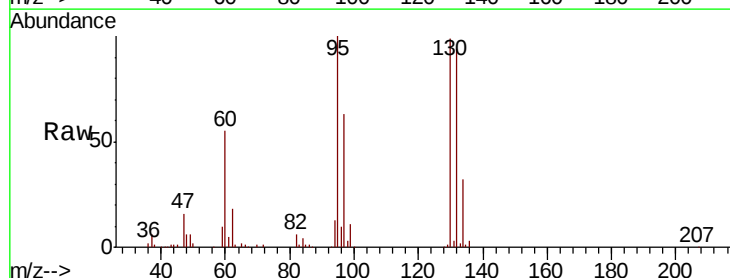
Acq: 22 Oct 2020 6:11

Tgt Ion:130 Resp: 173252

Ion Ratio Lower Upper

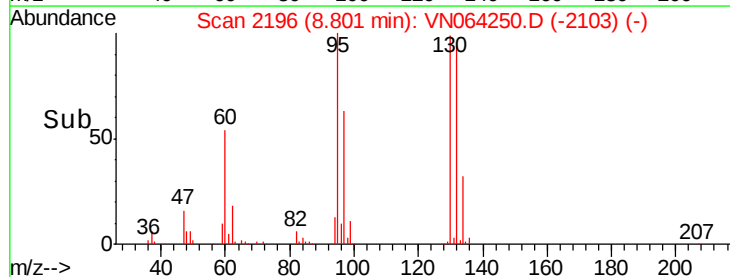
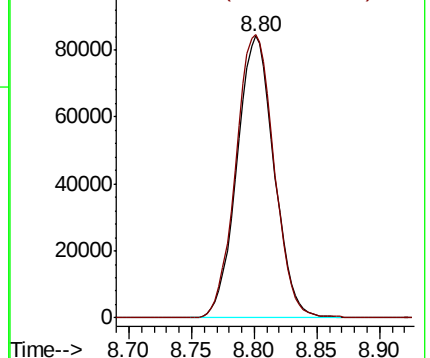
130 100

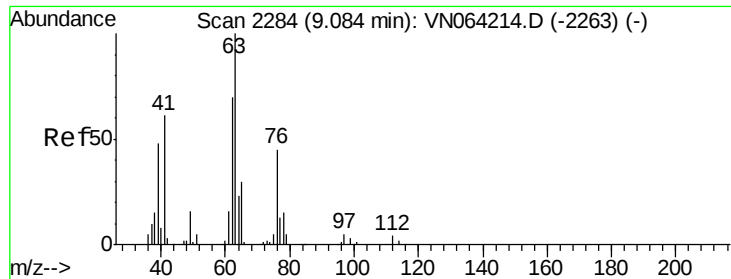
95 100.5 0.0 214.0



Abundance Ion 129.80 (129.50 to 130.50): VN064250.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064250.D (-2103) (-)

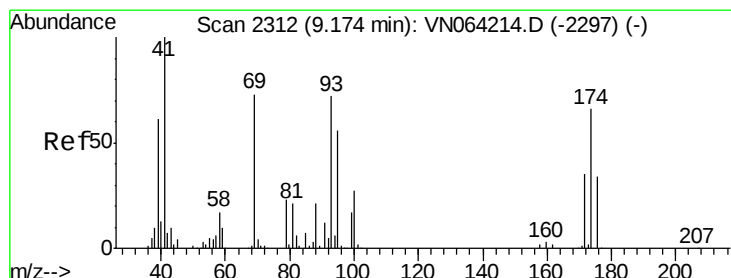
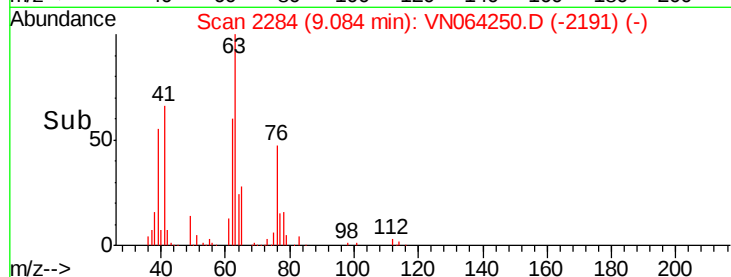
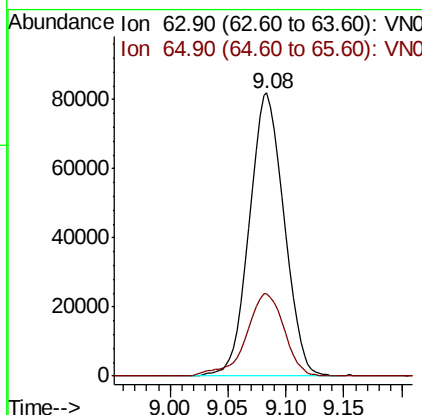
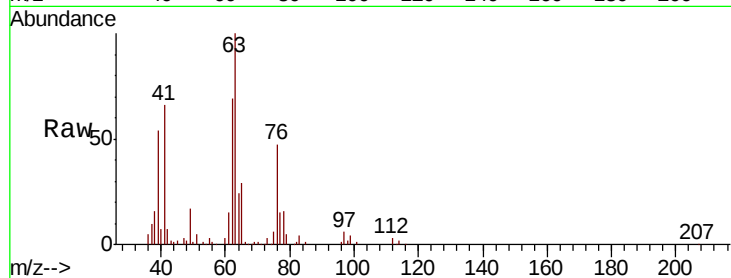




#45
 1,2-Dichloropropane
 Concen: 52.476 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

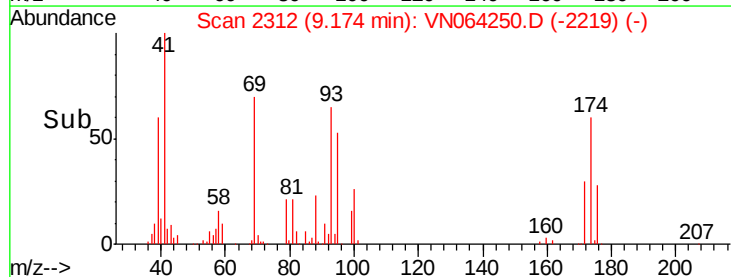
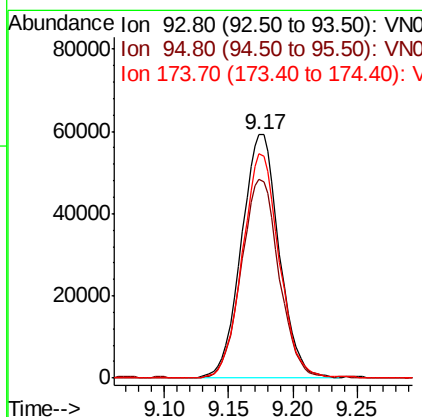
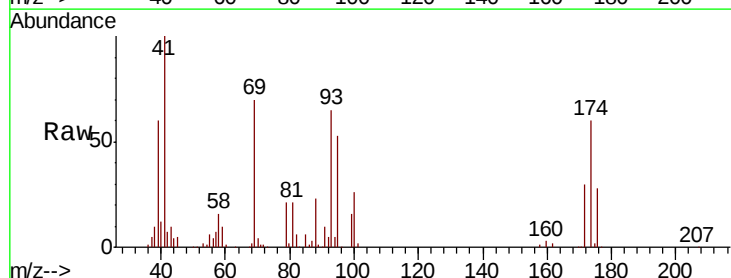
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

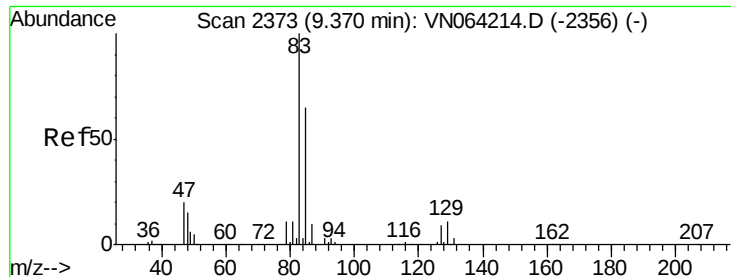
Tot Ion: 63 Resp: 171512
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.0 36.0



#46
 Dibromomethane
 Concen: 55.191 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Tgt Ion: 93 Resp: 121124
 Ion Ratio Lower Upper
 93 100
 95 81.2 63.0 94.4
 174 89.5 72.9 109.3

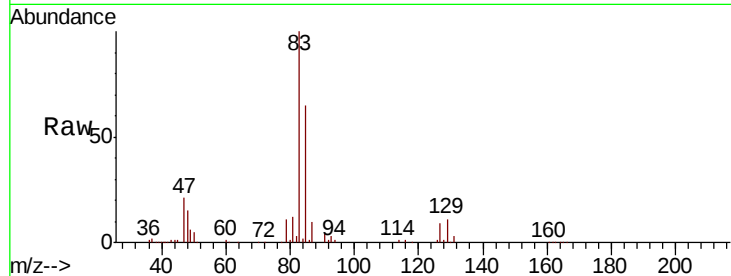




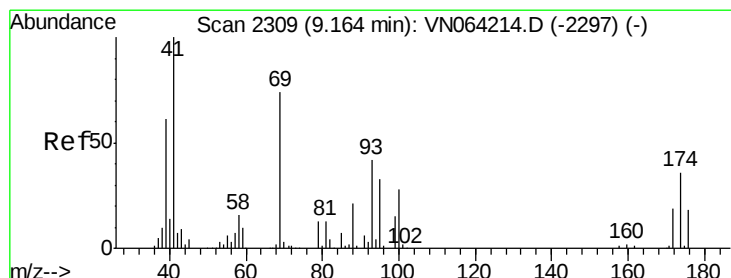
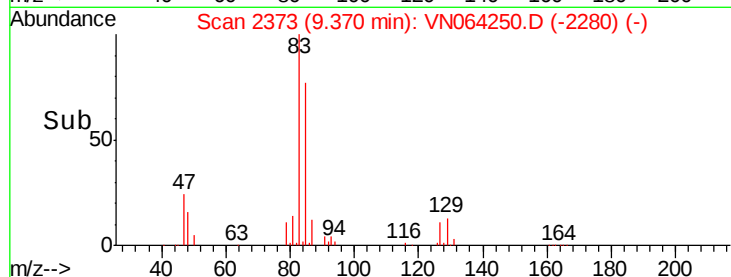
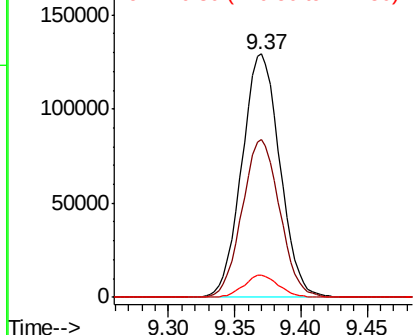
#47
Bromodichloromethane
Concen: 53.160 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 257752
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.8
127 9.1 7.4 11.0

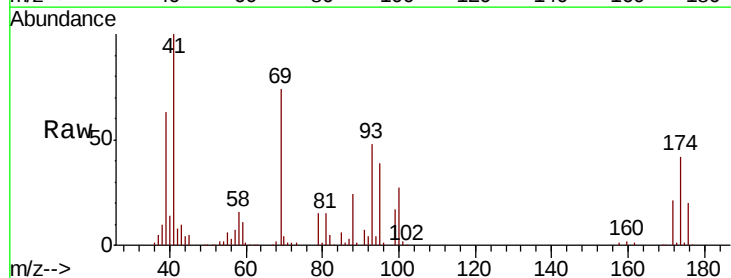


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

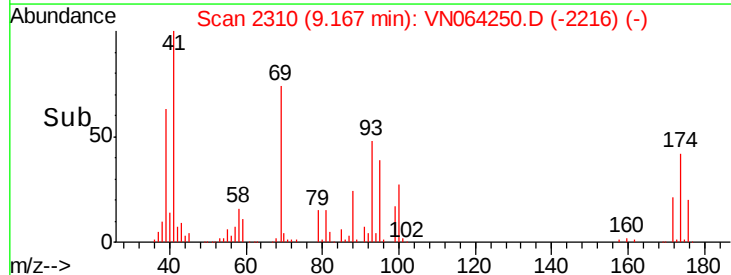
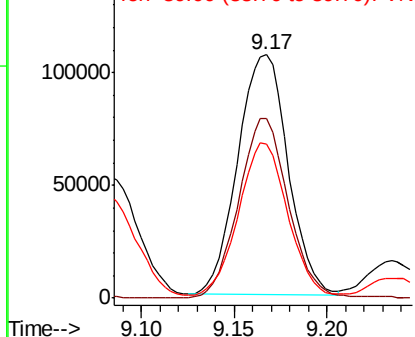


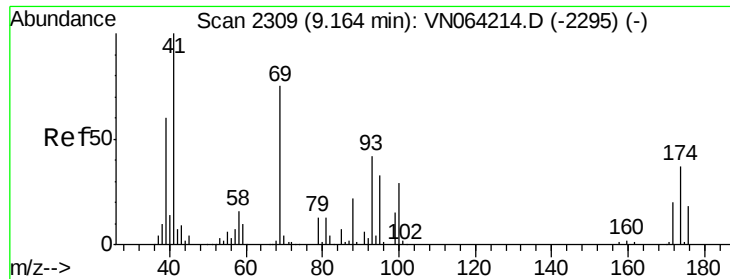
#48
Methyl methacrylate
Concen: 51.656 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 41 Resp: 202506
Ion Ratio Lower Upper
41 100
69 73.7 57.3 85.9
39 63.6 48.6 73.0



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





#49

1,4-Dioxane

Concen: 1183.647 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

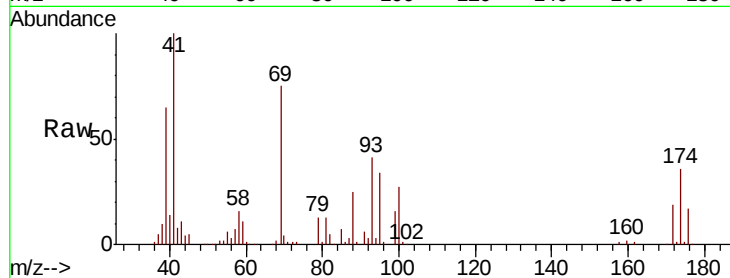
Tot Ion: 88 Resp: 54293

Ion Ratio Lower Upper

88 100

43 38.4 34.6 52.0

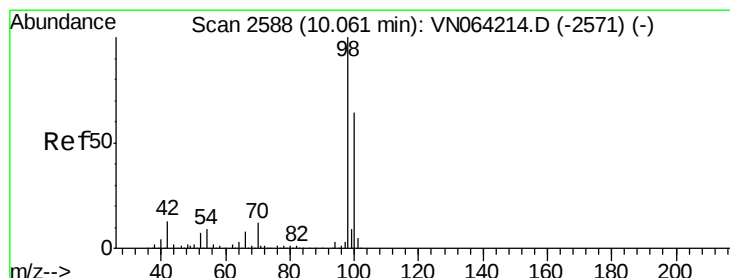
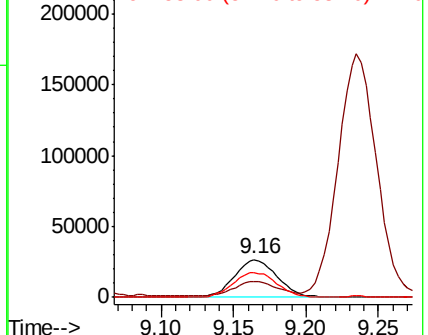
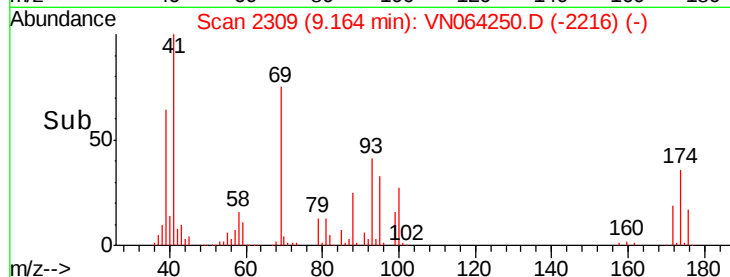
58 67.8 59.0 88.6



Abundance Ion 88.00 (87.70 to 88.70): VN064250.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN064250.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN064250.D (-2216) (-)



#50

Toluene-d8

Concen: 50.729 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN064250.D

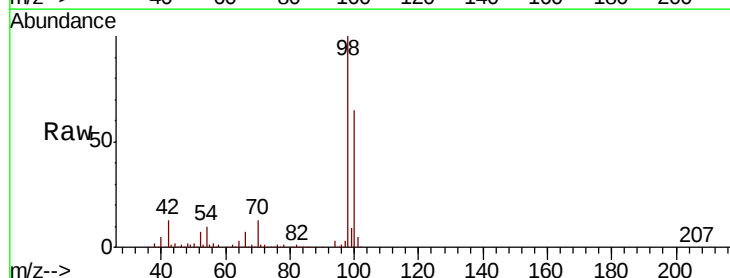
Acq: 22 Oct 2020 6:11

Tgt Ion: 98 Resp: 544274

Ion Ratio Lower Upper

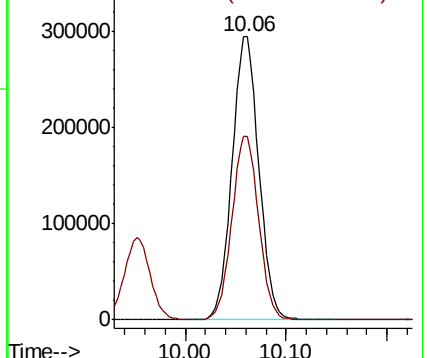
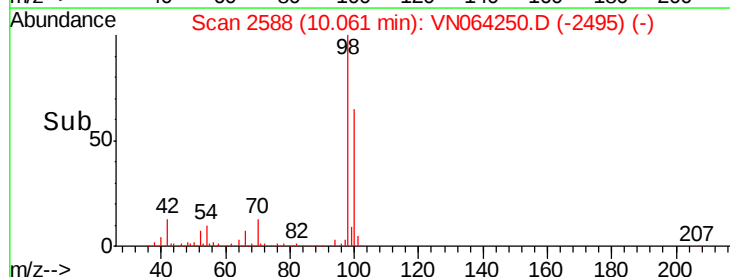
98 100

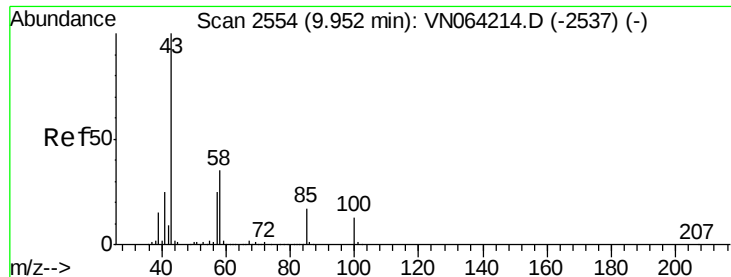
100 64.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN064250.D (-2495) (-)

Ion 100.00 (99.70 to 100.70): VN064250.D (-2495) (-)





#51

4-Methyl-2-Pentanone

Concen: 286.397 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

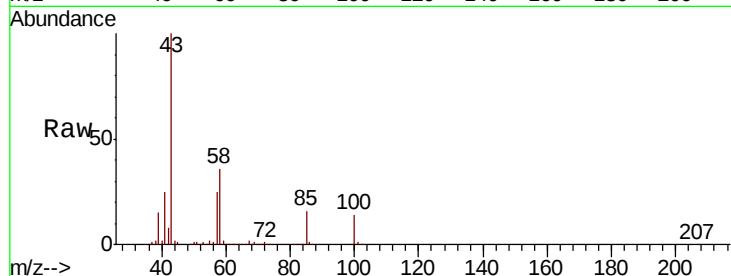
VSTDCCC050EC

Tot Ion: 43 Resp: 1148697

Ion Ratio Lower Upper

43 100

58 36.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN064214.D (-2537) (-)

9.95

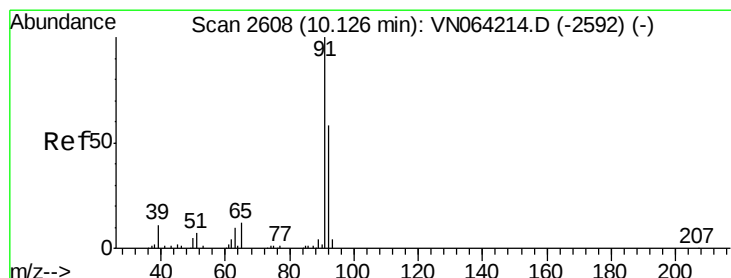
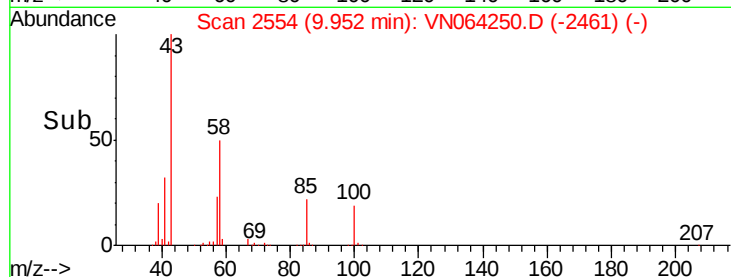
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.037 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064250.D

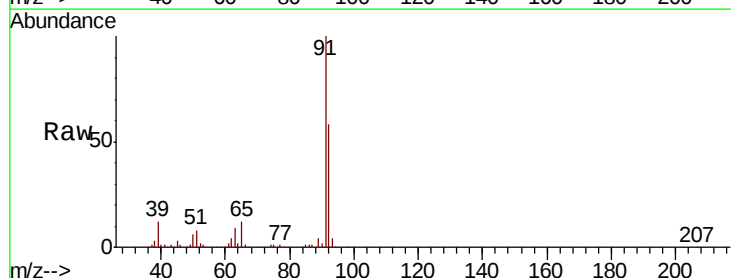
Acq: 22 Oct 2020 6:11

Tgt Ion: 92 Resp: 407646

Ion Ratio Lower Upper

92 100

91 172.9 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VN064214.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064214.D (-2592) (-)

10.13

400000

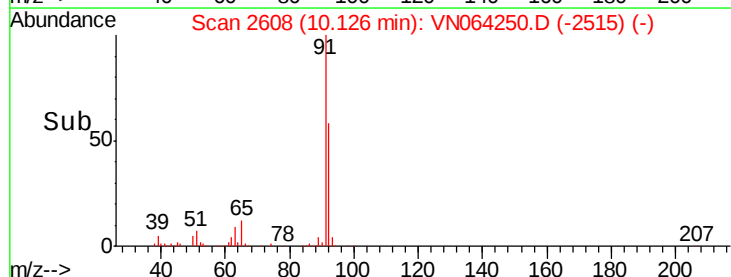
300000

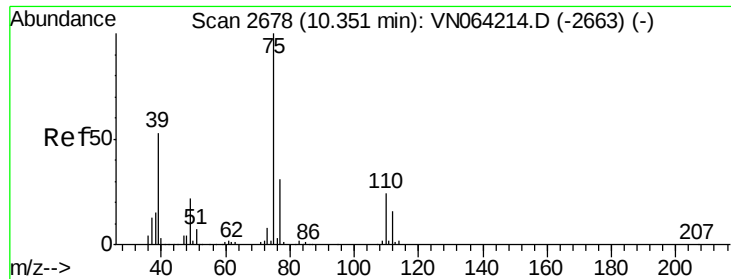
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.024 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

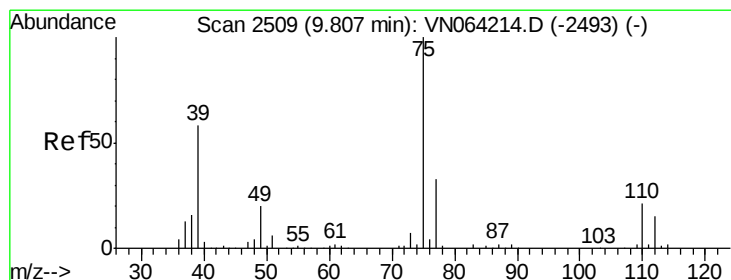
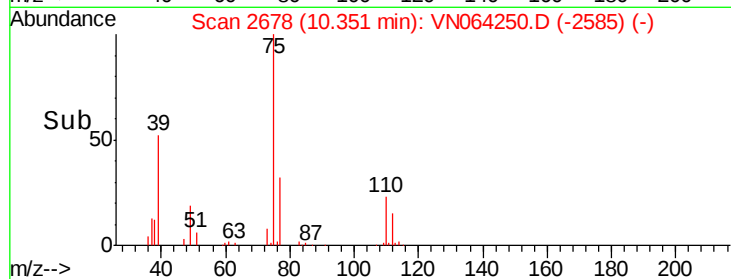
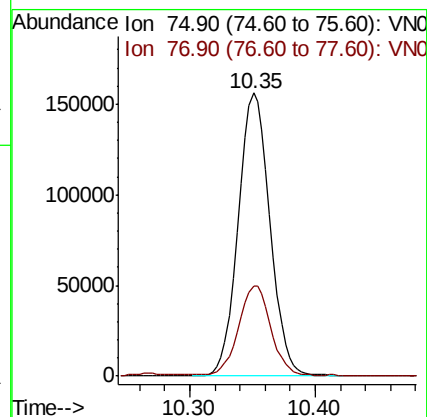
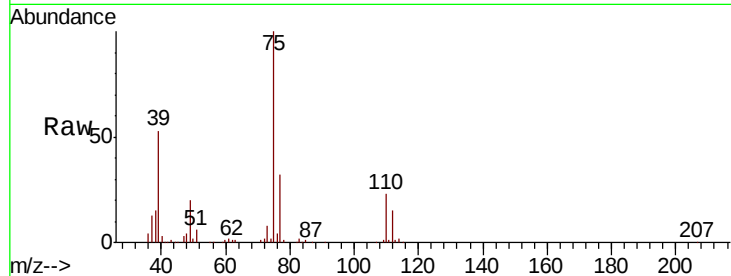
VSTDCCC050EC

Tot Ion: 75 Resp: 274823

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 49.457 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

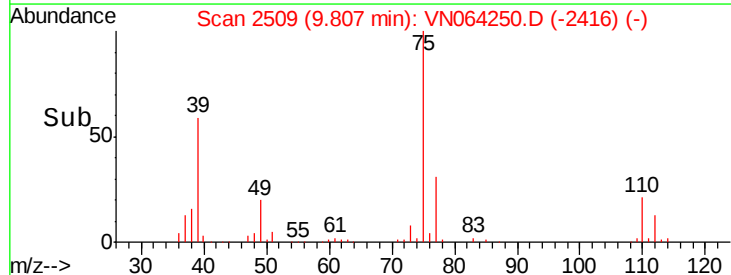
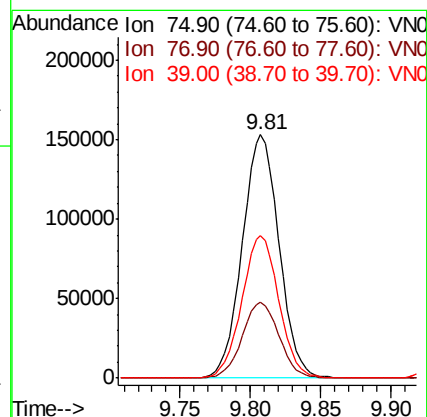
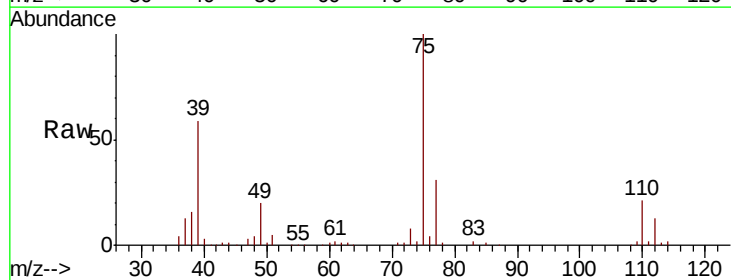
Tgt Ion: 75 Resp: 280477

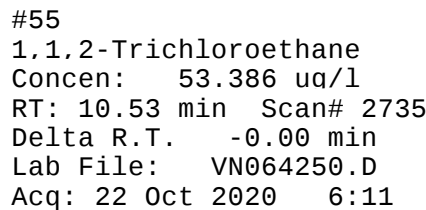
Ion Ratio Lower Upper

75 100

77 31.0 26.6 39.8

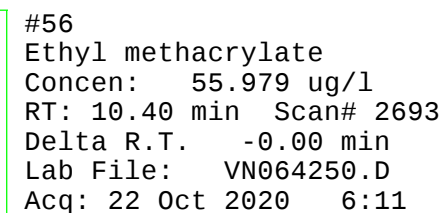
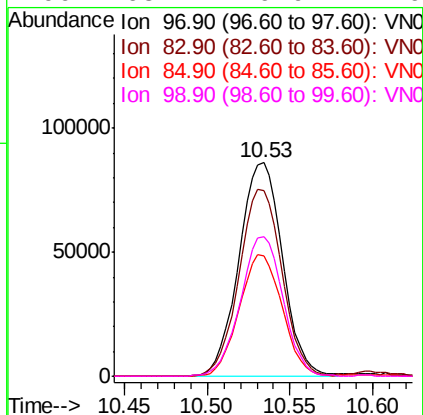
39 58.8 46.7 70.1



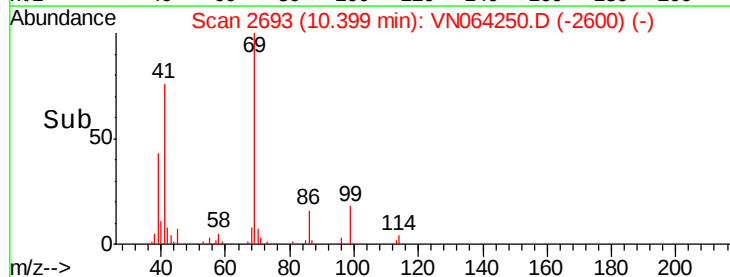
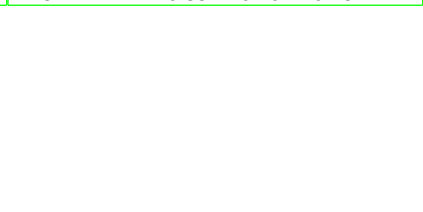
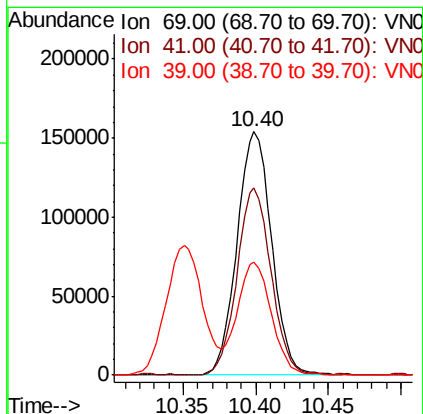


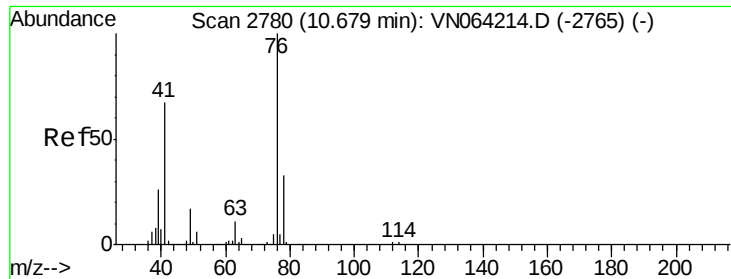
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tat	Ion: 97	Resp:	157950
Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.8	101.6
85	56.1	43.6	65.4
99	65.4	49.9	74.9



Tgt	Ion: 69	Resp:	256092
Ion	Ratio	Lower	Upper
69	100		
41	75.1	61.4	92.2
39	45.3	36.0	54.0





#57

1,3-Dichloropropane

Concen: 54.261 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

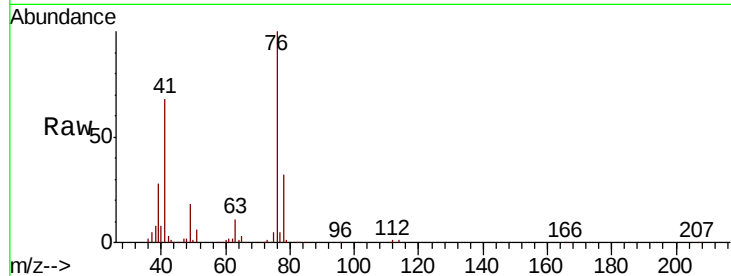
VSTDCCC050EC

Tot Ion: 76 Resp: 278853

Ion Ratio Lower Upper

76 100

78 31.7 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN064250.D (-2687) (-)

Ion 77.90 (77.60 to 78.60): VN064250.D (-2687) (-)

10.68

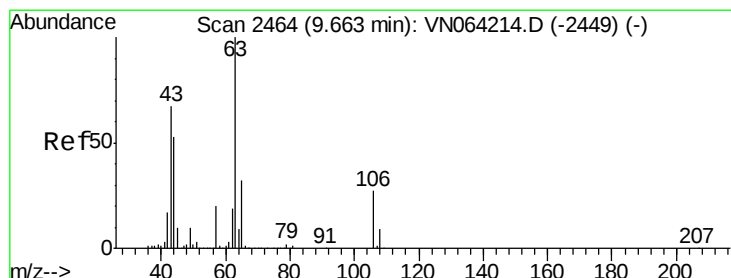
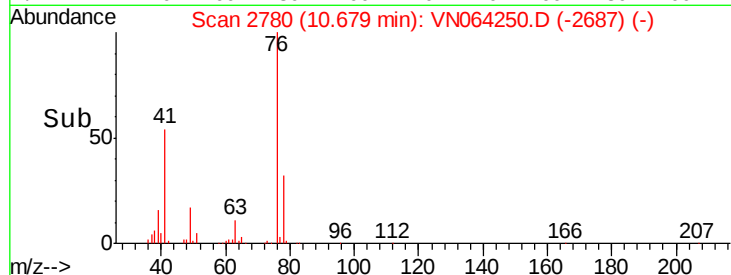
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 267.017 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064250.D

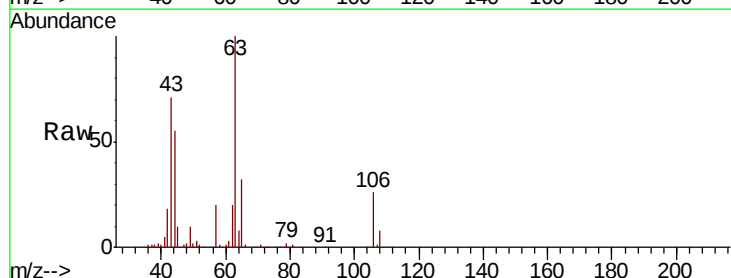
Acq: 22 Oct 2020 6:11

Tgt Ion: 63 Resp: 629017

Ion Ratio Lower Upper

63 100

106 26.0 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN064250.D (-2371) (-)

Ion 105.90 (105.60 to 106.60): VN064250.D (-2371) (-)

9.66

400000

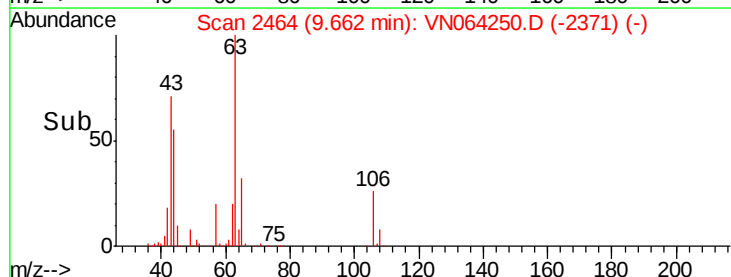
300000

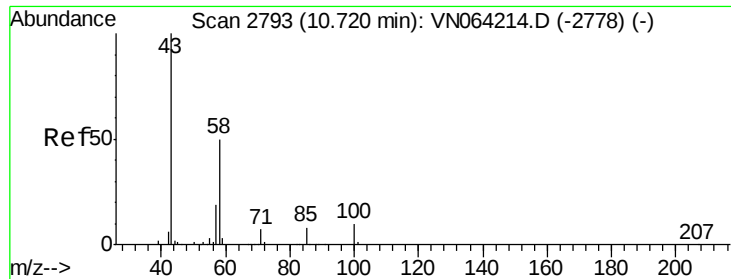
200000

100000

0

Time-->

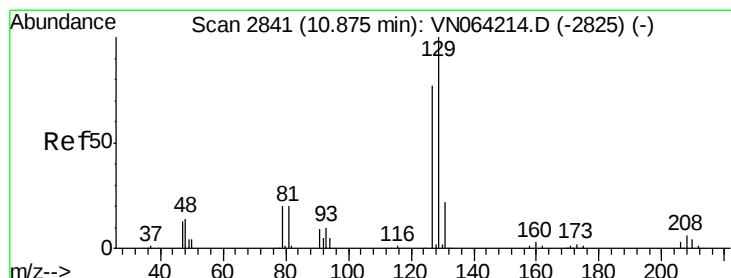
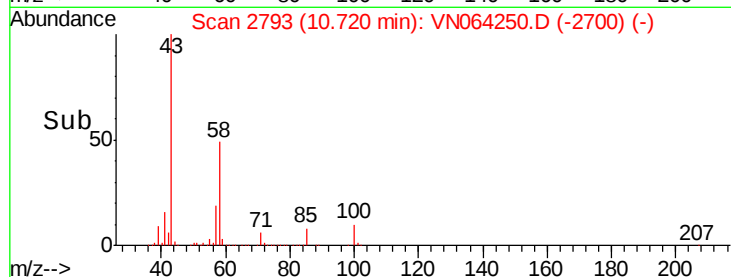
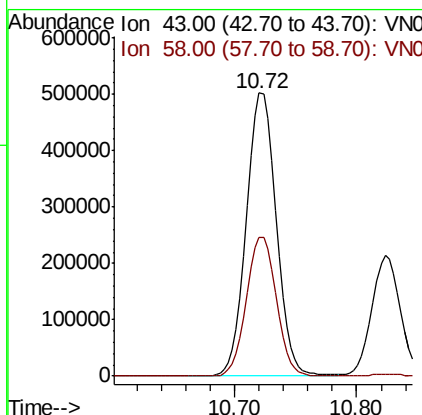
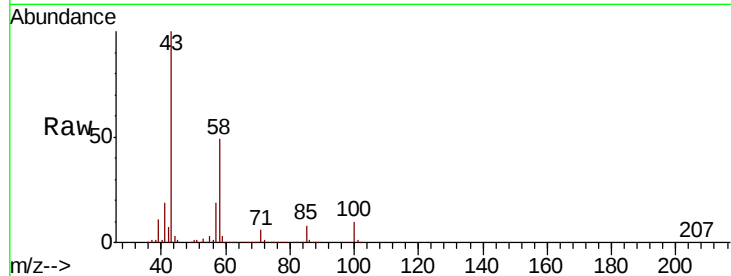




#59
2-Hexanone
Concen: 288.002 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

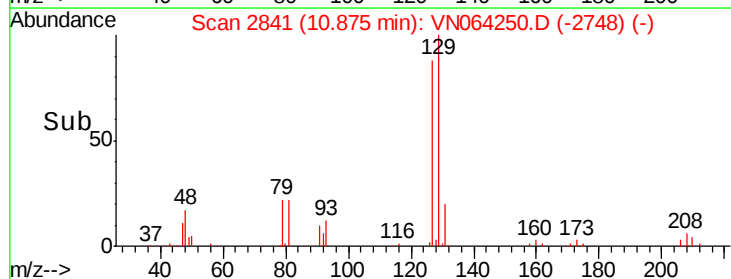
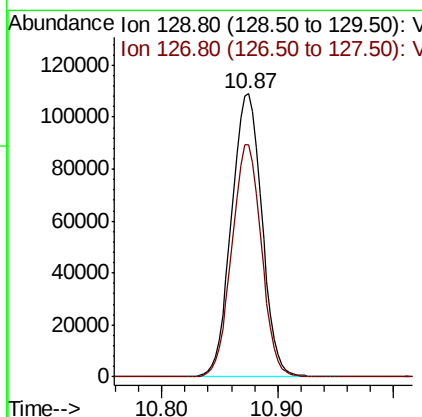
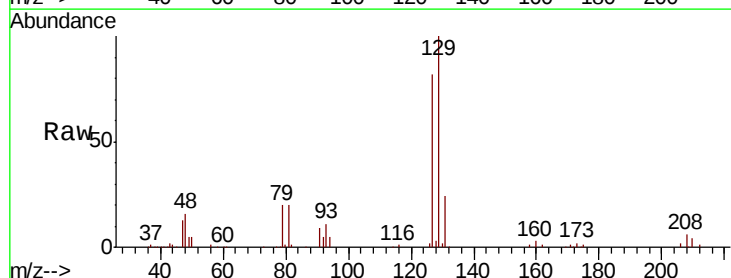
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

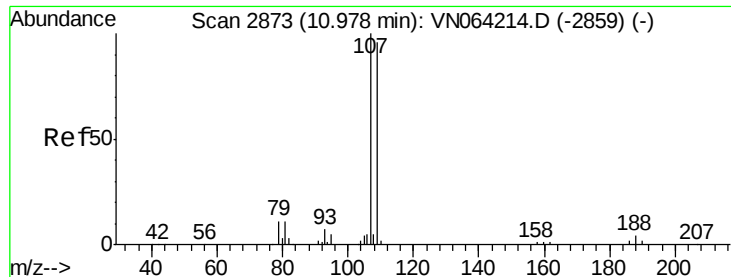
Tot Ion: 43 Resp: 843605
Ion Ratio Lower Upper
43 100
58 49.3 24.8 74.3



#60
Dibromochloromethane
Concen: 51.799 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 129 Resp: 198395
Ion Ratio Lower Upper
129 100
127 79.8 38.8 116.3

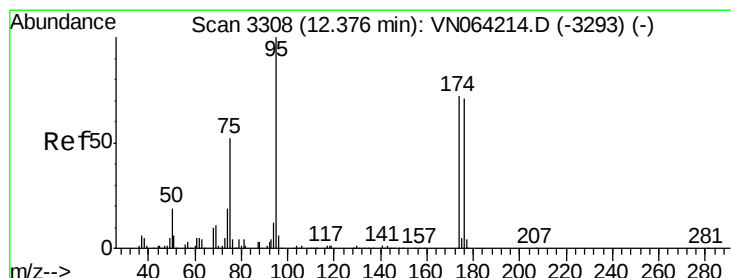
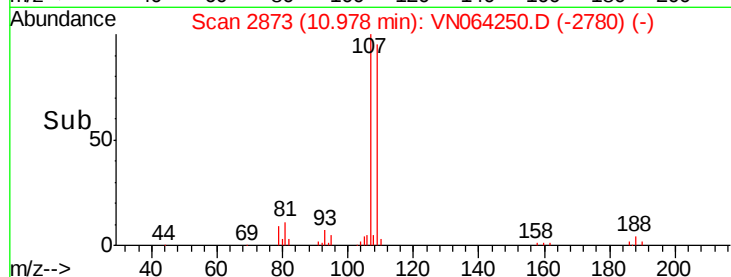
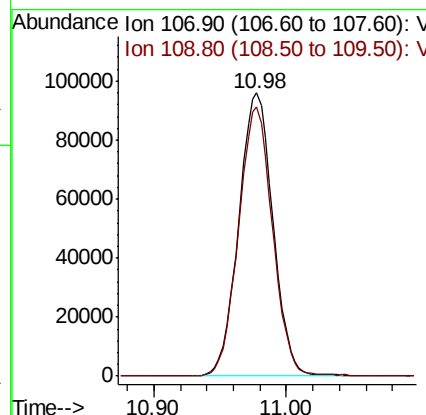
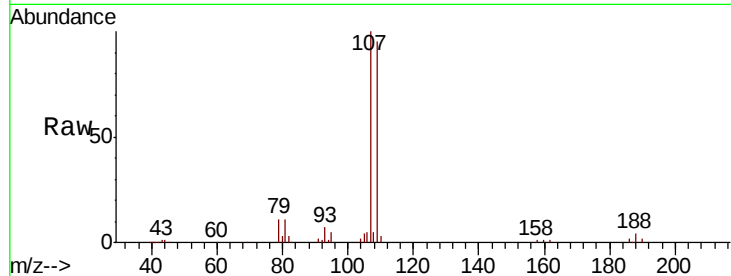




#61
 1,2-Dibromoethane
 Concen: 55.088 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

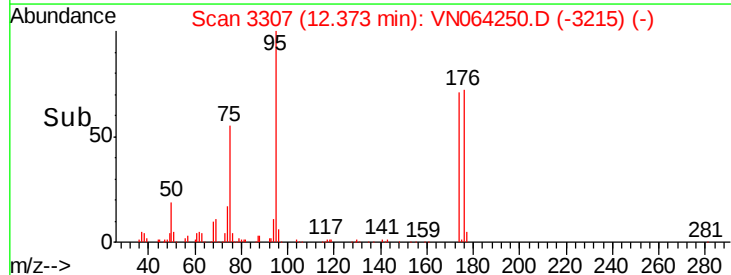
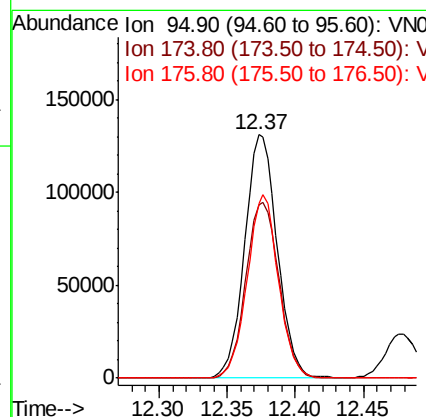
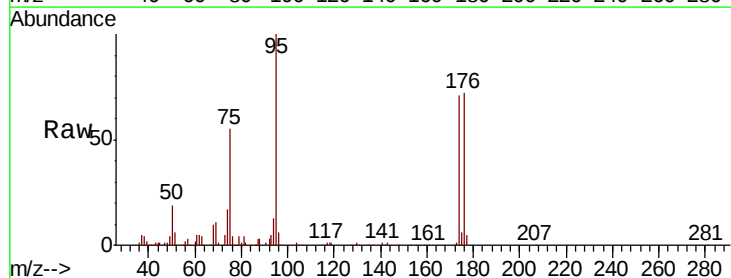
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

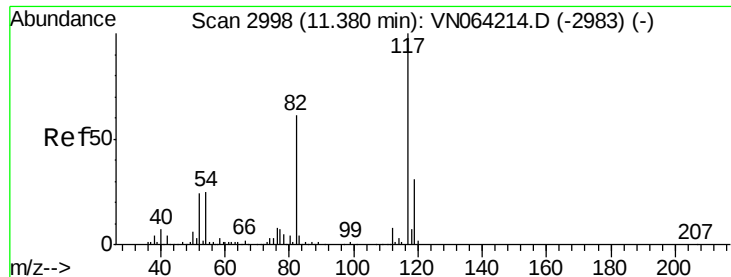
Tot Ion:107 Resp: 171990
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 49.900 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Tgt Ion: 95 Resp: 217038
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 144.4
 176 72.2 0.0 139.2

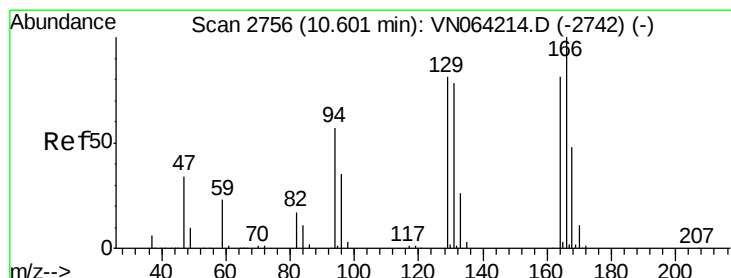
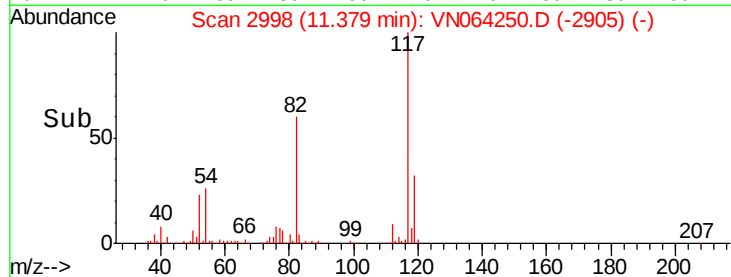
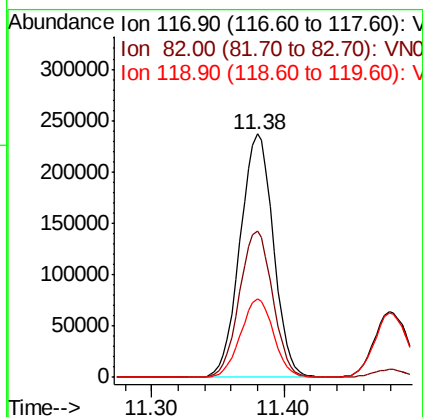
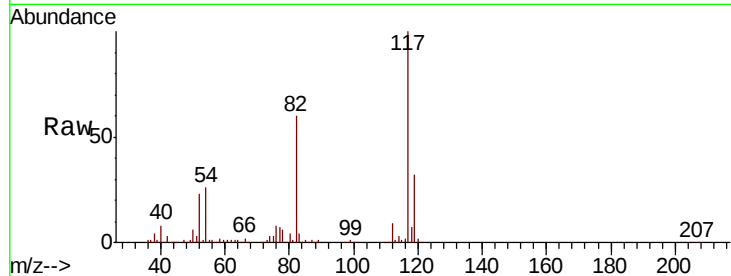




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

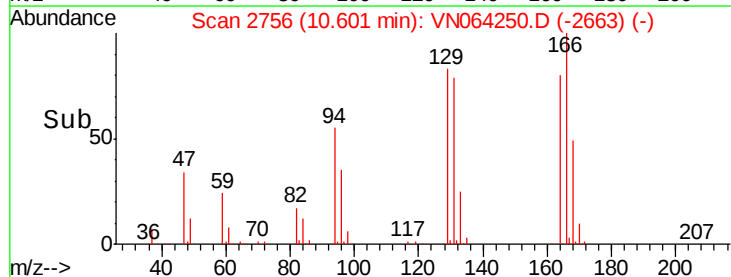
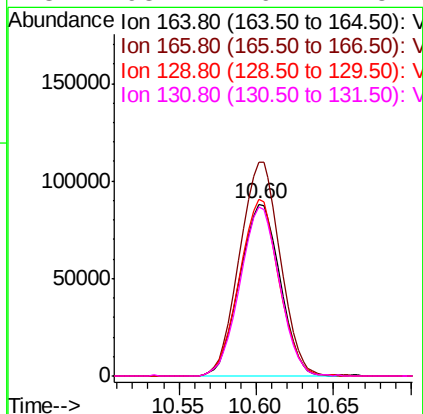
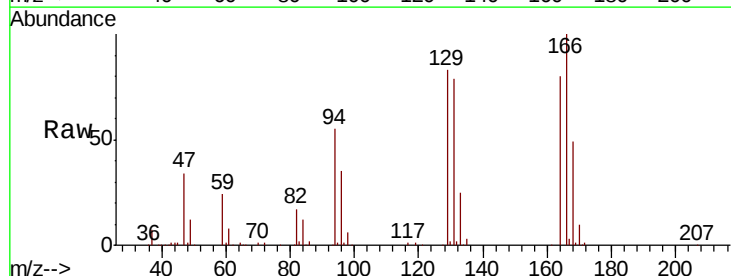
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

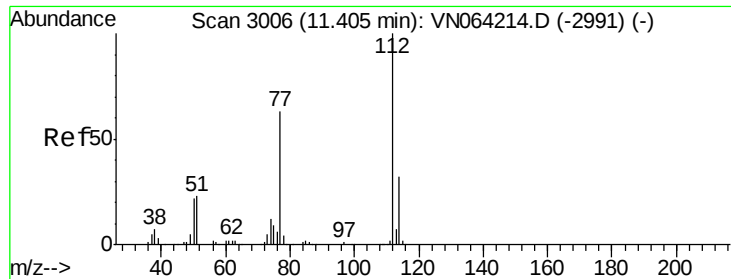
Tot Ion:117 Resp: 413125
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 32.1 24.7 37.1



#64
Tetrachloroethene
Concen: 48.190 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion:164 Resp: 160276
Ion Ratio Lower Upper
164 100
166 124.3 98.9 148.3
129 102.7 79.9 119.9
131 98.2 76.7 115.1

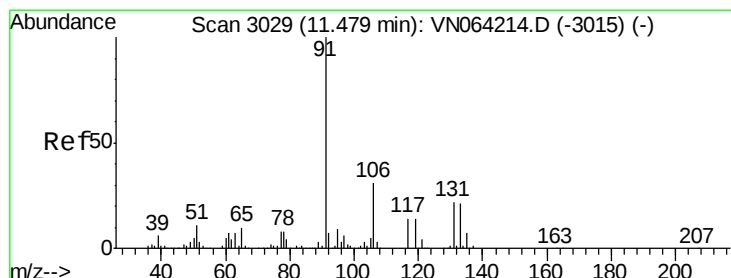
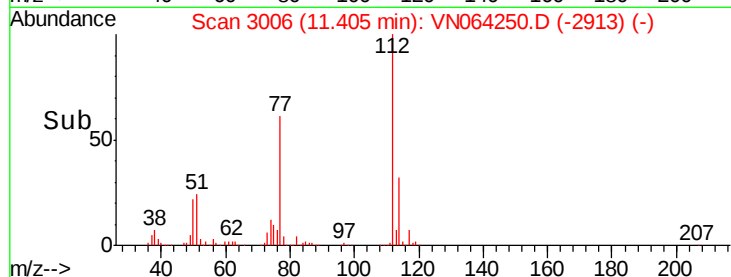
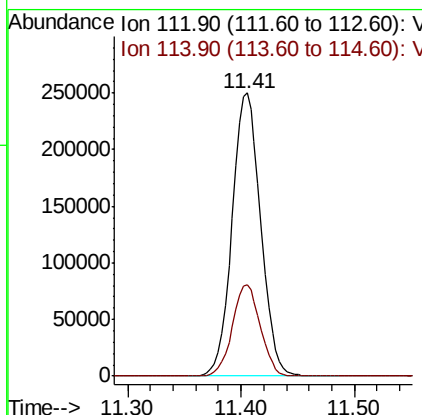
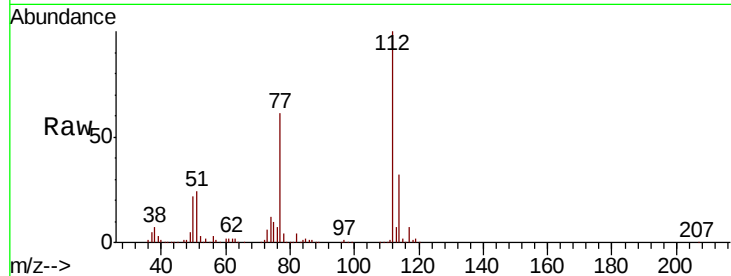




#65
Chlorobenzene
Concen: 51.256 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

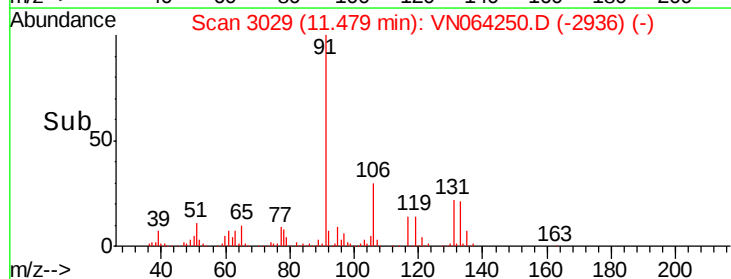
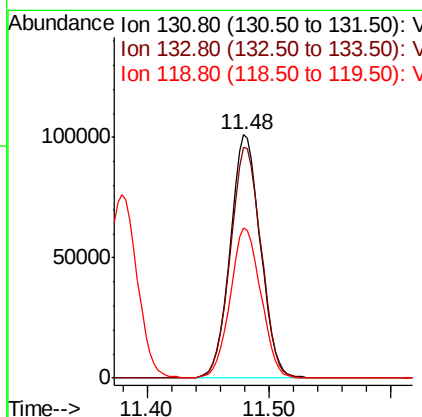
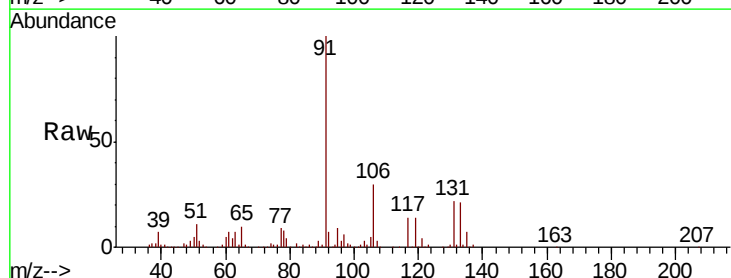
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

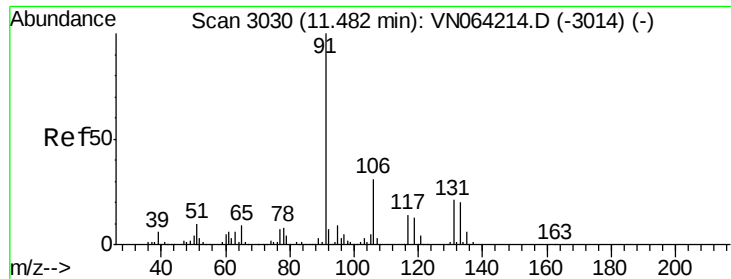
Tot Ion:112 Resp: 438308
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.372 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion:131 Resp: 174377
Ion Ratio Lower Upper
131 100
133 96.3 47.8 143.4
119 62.0 32.2 96.6

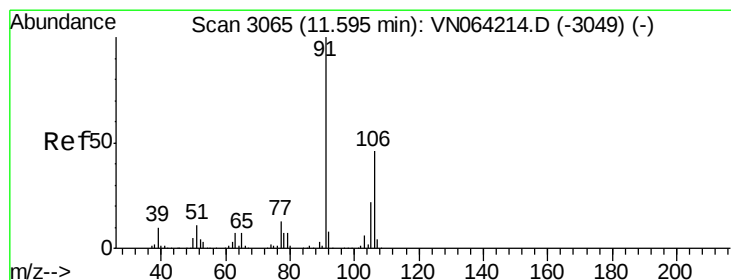
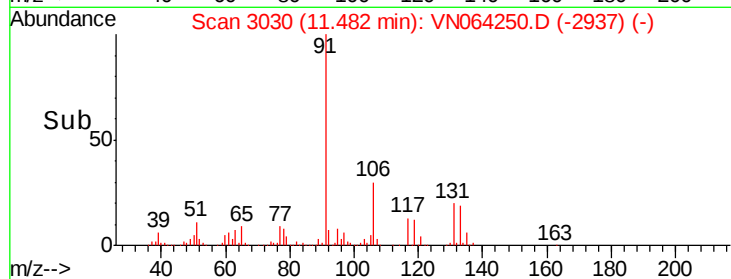
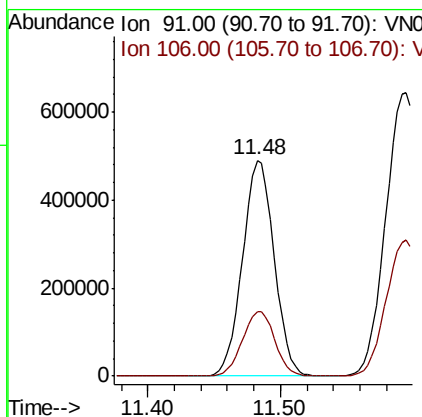
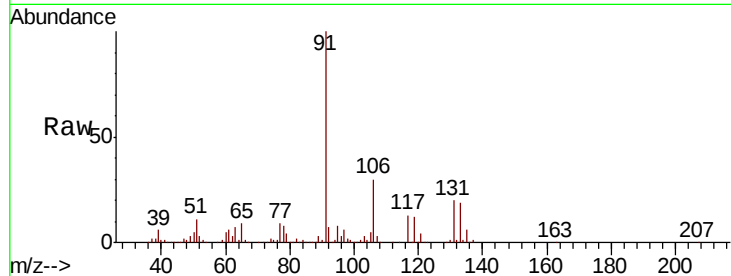




#67
Ethyl Benzene
Concen: 51.699 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

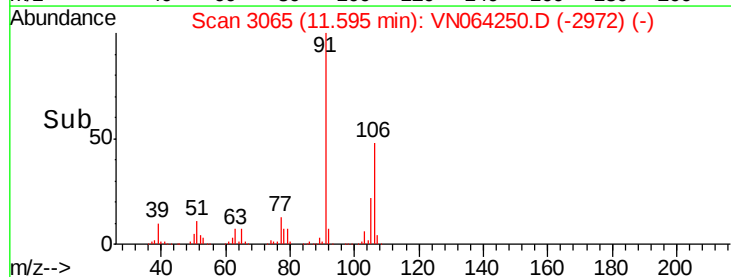
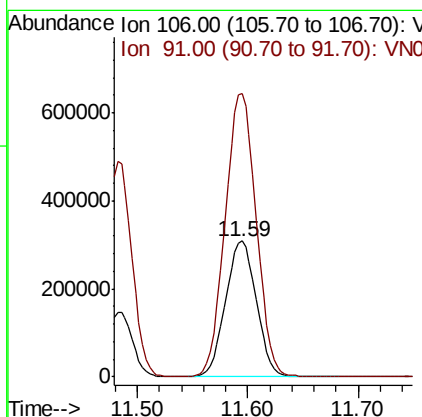
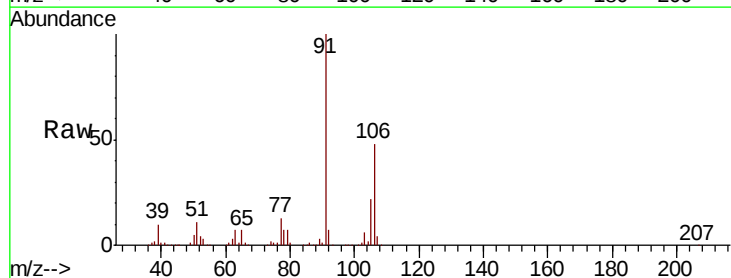
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

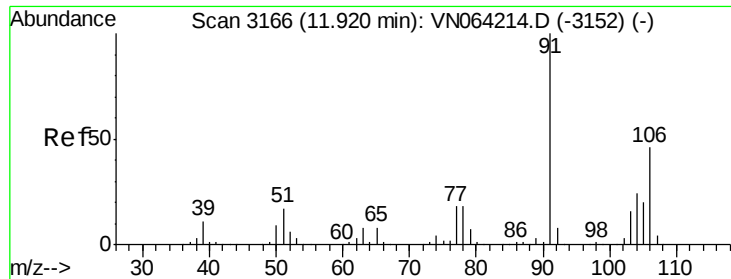
Tot Ion: 91 Resp: 812469
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2



#68
m/p-Xylenes
Concen: 102.659 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 106 Resp: 597752
Ion Ratio Lower Upper
106 100
91 209.8 172.2 258.2

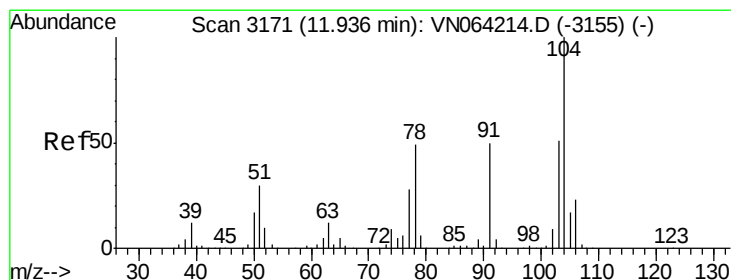
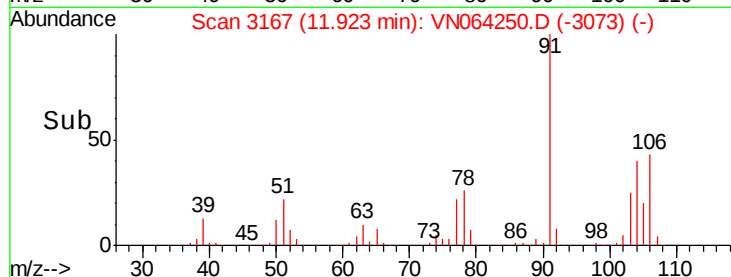
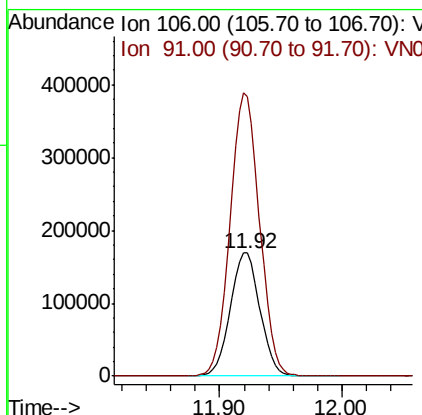
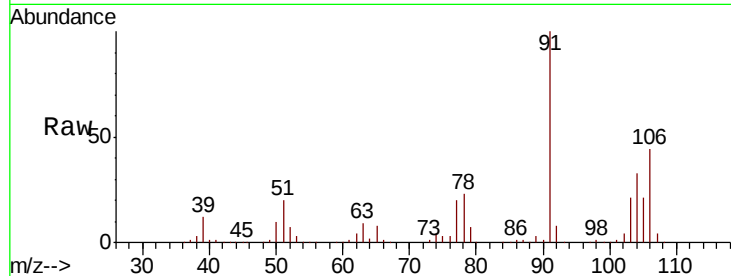




#69
o-Xylene
Concen: 50.942 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

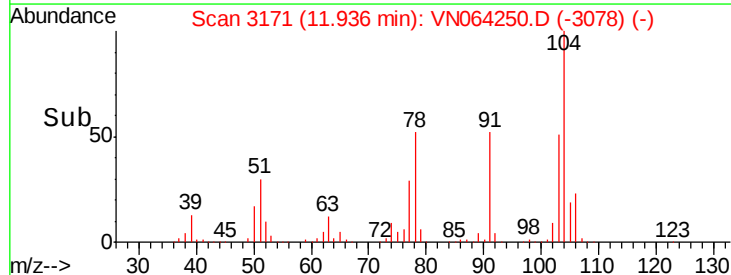
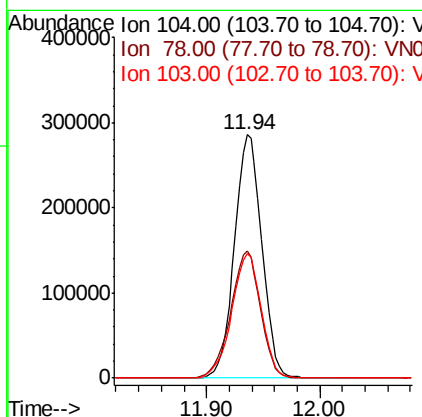
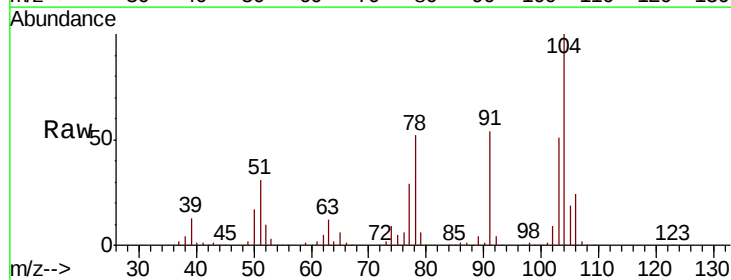
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

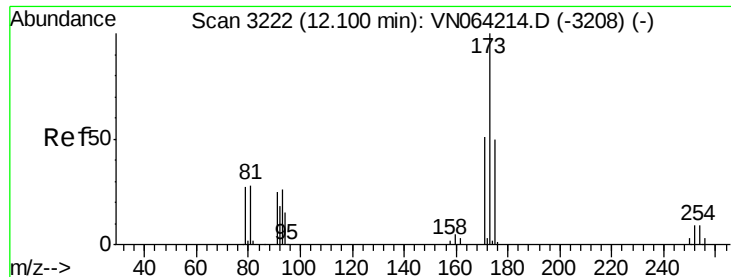
Tot Ion:106 Resp: 286876
Ion Ratio Lower Upper
106 100
91 227.3 109.9 329.6



#70
Styrene
Concen: 51.057 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion:104 Resp: 481944
Ion Ratio Lower Upper
104 100
78 56.7 43.8 65.6
103 55.2 43.4 65.2





#71

Bromoform

Concen: 54.197 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

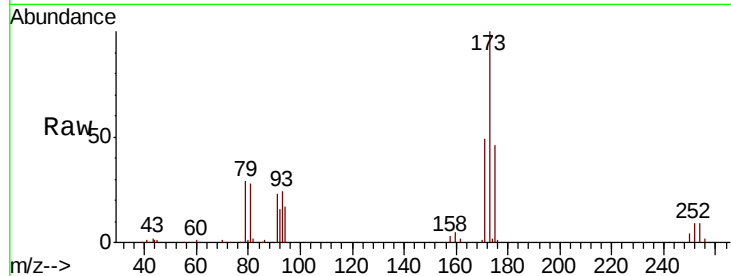
Tot Ion:173 Resp: 142114

Ion Ratio Lower Upper

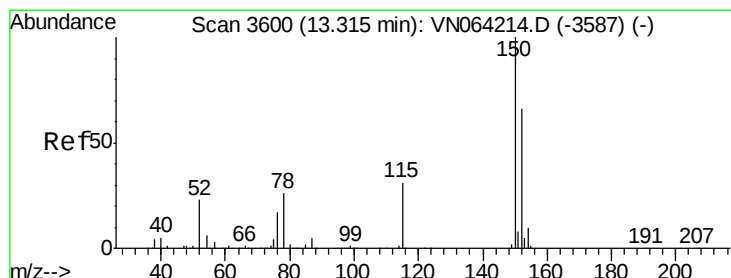
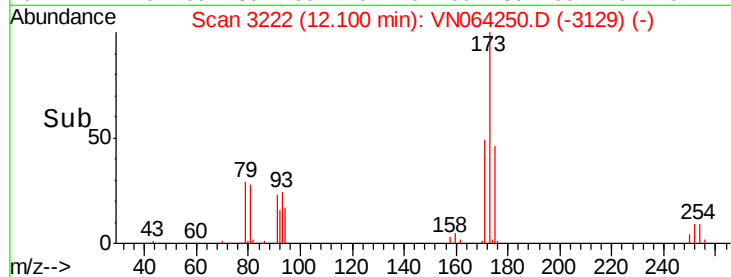
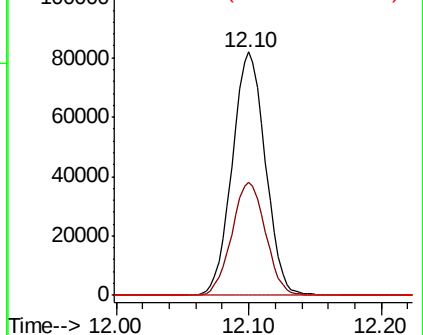
173 100

175 47.1 25.1 75.3

254 0.0 0.0 0.0#



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# 3600

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

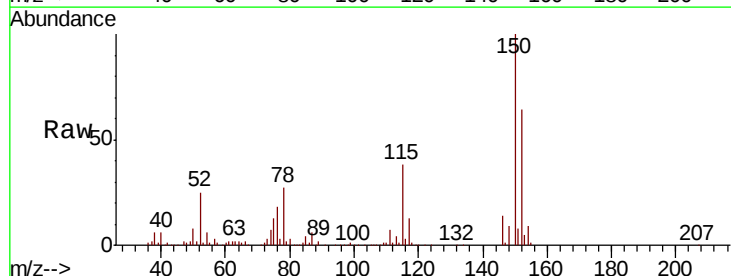
Tgt Ion:152 Resp: 201762

Ion Ratio Lower Upper

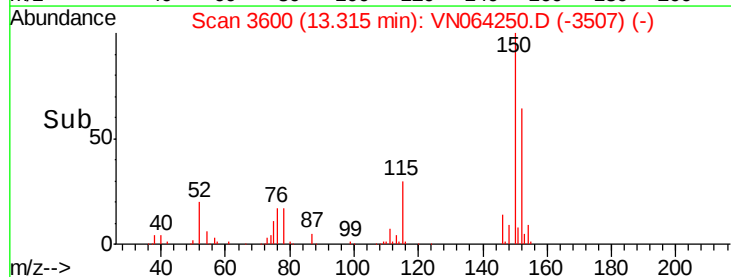
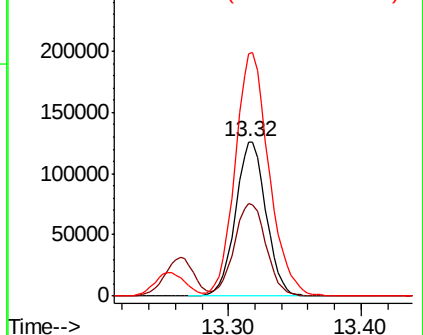
152 100

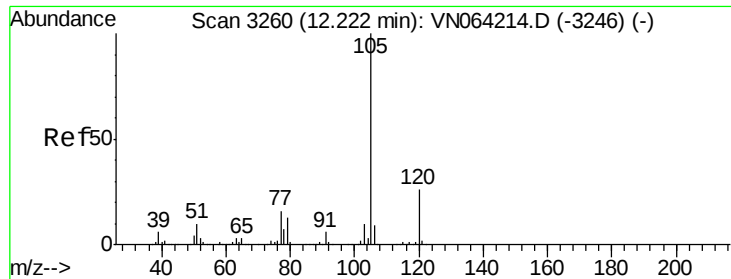
115 62.7 32.0 96.2

150 174.5 0.0 356.6



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: 50.189 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

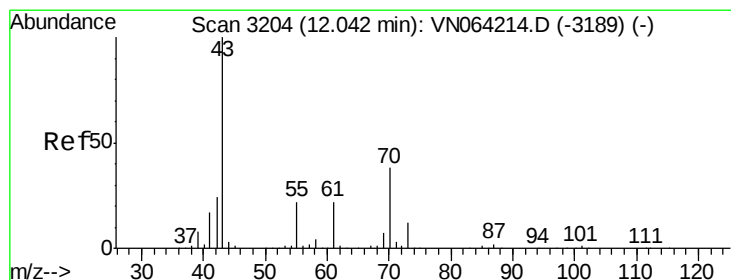
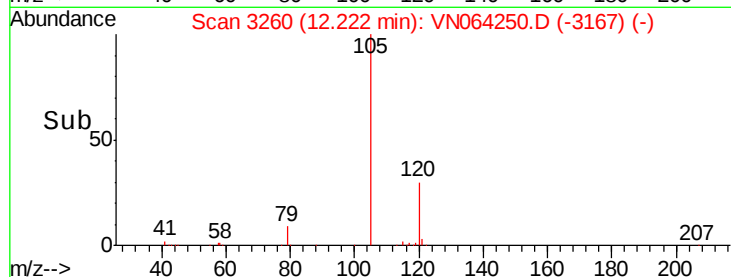
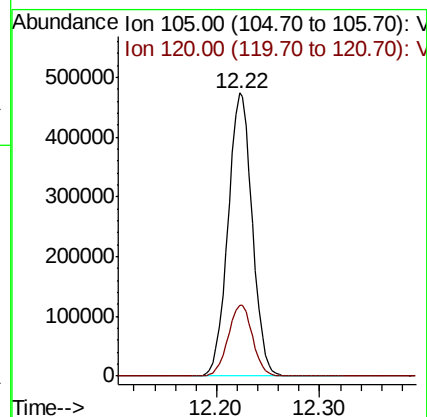
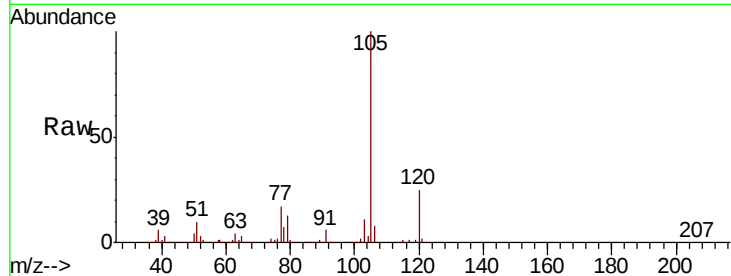
VSTDCCC050EC

Tot Ion:105 Resp: 772329

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



#74

N-ethyl acetate

Concen: 54.312 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Tgt Ion: 43 Resp: 361135

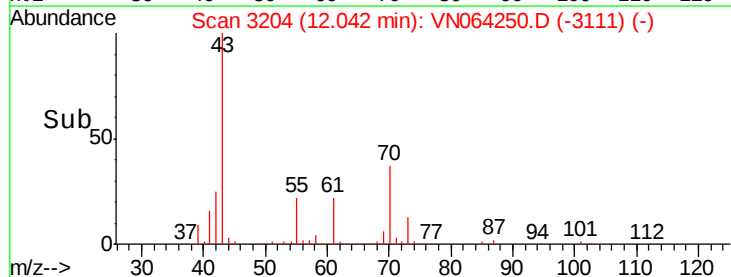
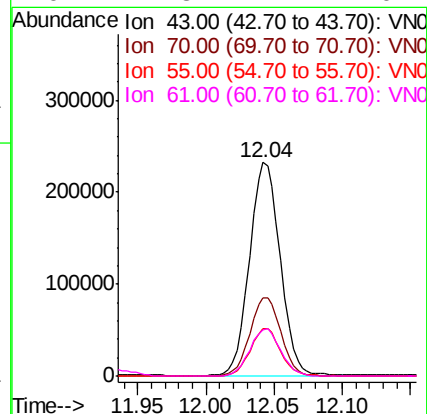
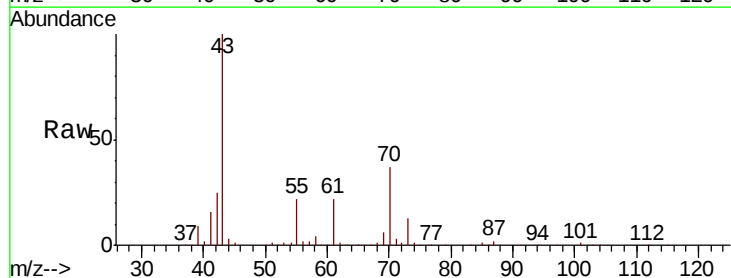
Ion Ratio Lower Upper

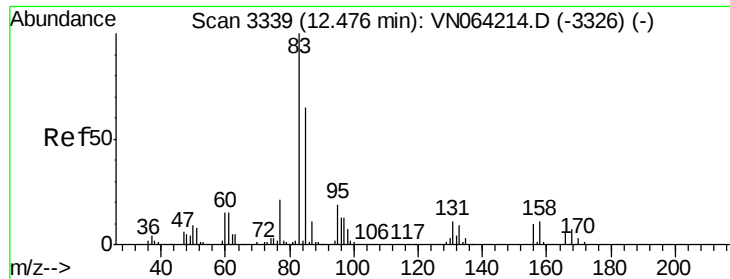
43 100

70 37.2 30.2 45.4

55 22.0 18.0 27.0

61 22.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.492 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

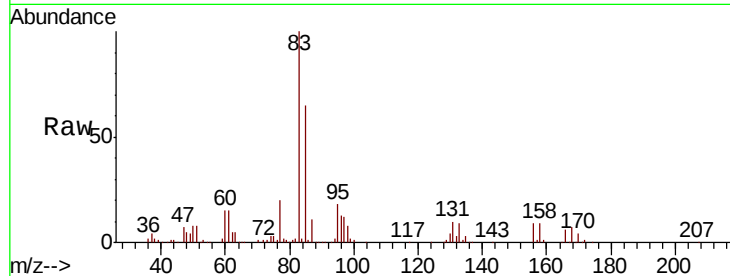
Tot Ion: 83 Resp: 218437

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.7

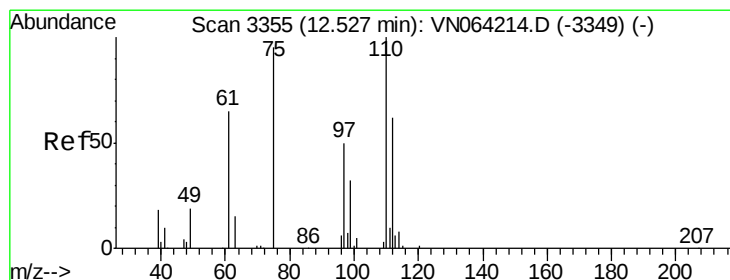
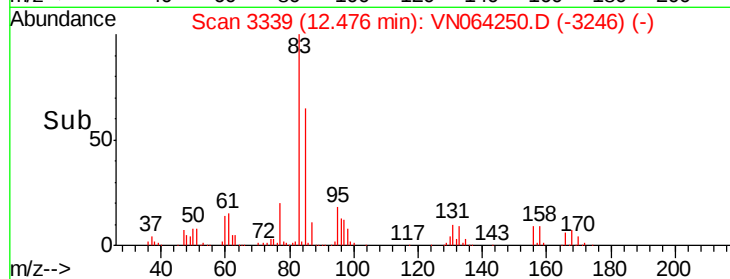
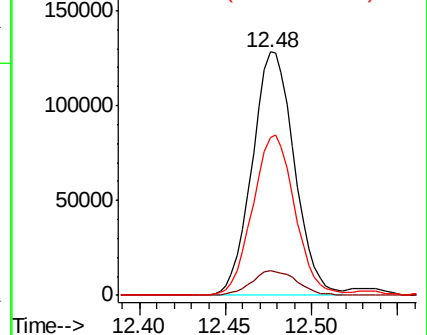
85 65.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN064214.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN064214.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN064214.D (-3326) (-)



#76

1,2,3-Trichloropropane

Concen: 74.876 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064250.D

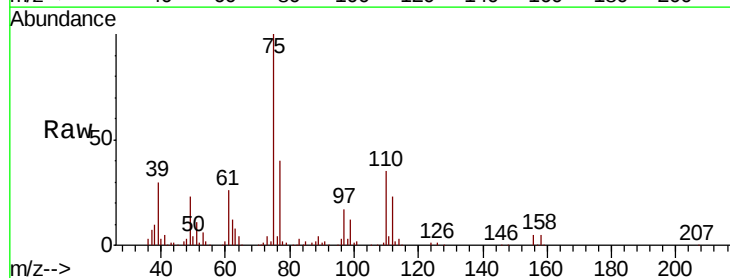
Acq: 22 Oct 2020 6:11

Tgt Ion: 75 Resp: 318484

Ion Ratio Lower Upper

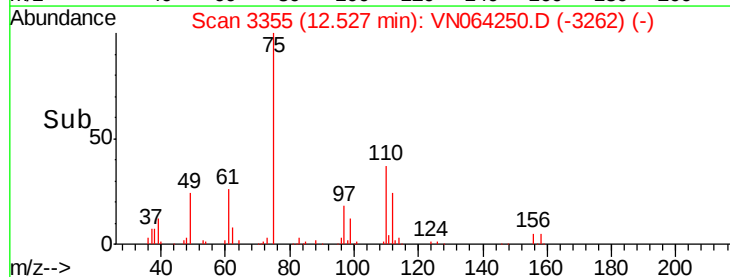
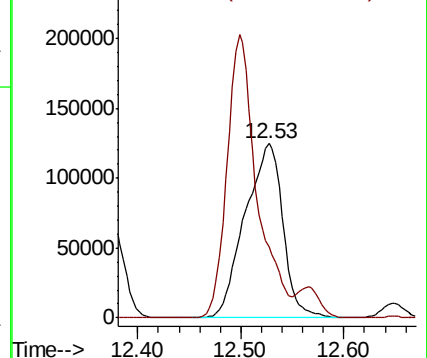
75 100

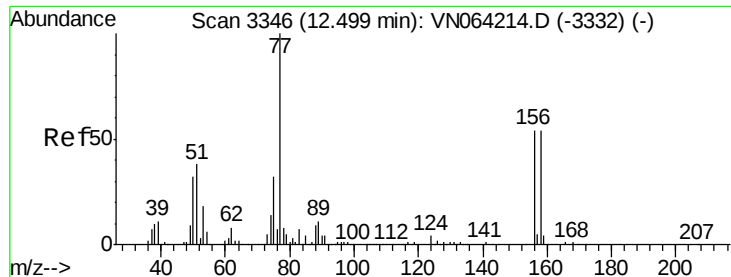
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064214.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064214.D (-3349) (-)





#77

Bromobenzene

Concen: 52.225 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

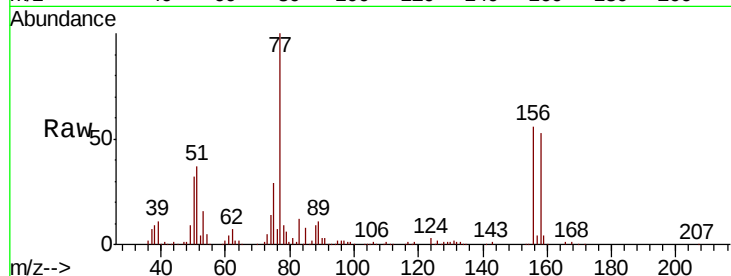
Tot Ion:156 Resp: 189725

Ion Ratio Lower Upper

156 100

77 216.3 111.1 333.4

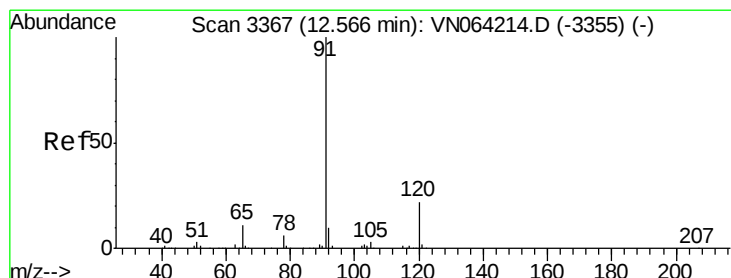
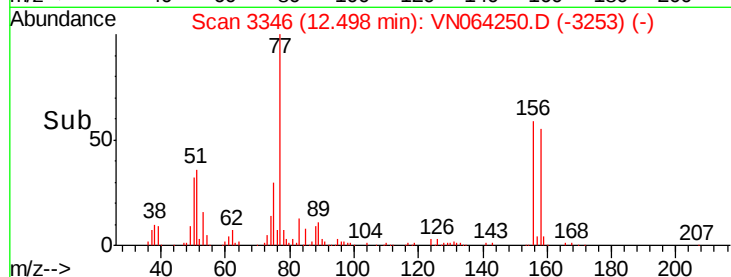
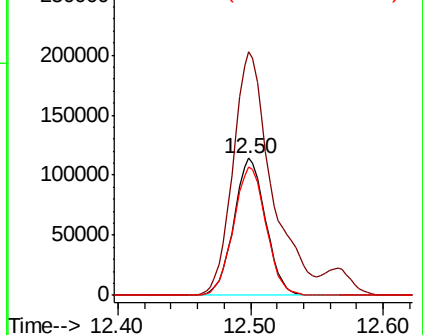
158 95.8 50.0 150.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.676 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064250.D

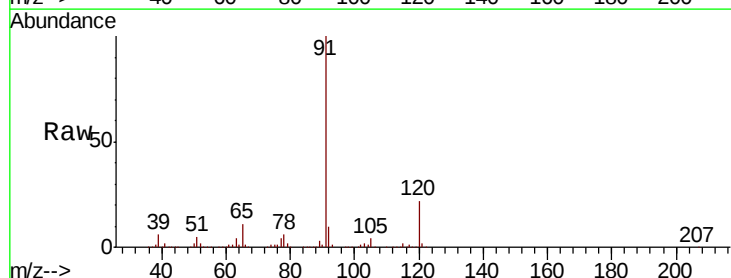
Acq: 22 Oct 2020 6:11

Tgt Ion: 91 Resp: 861887

Ion Ratio Lower Upper

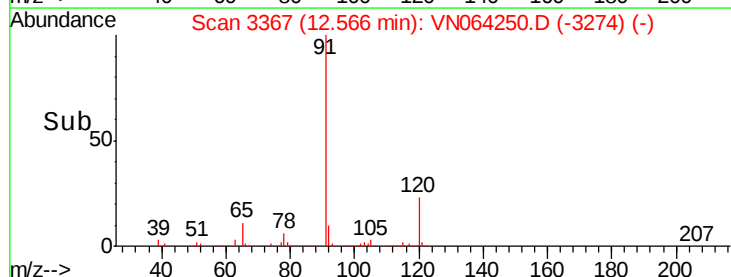
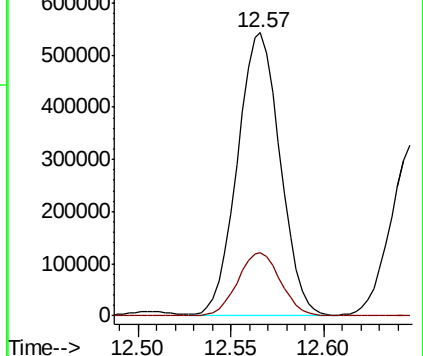
91 100

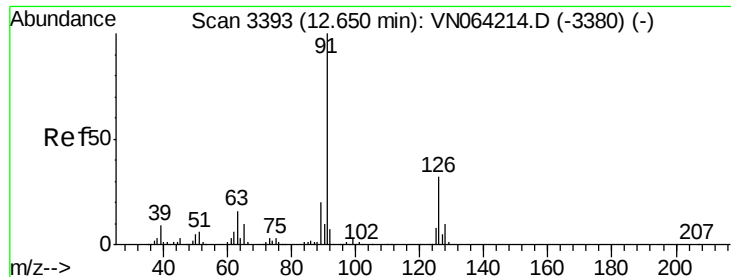
120 22.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.394 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

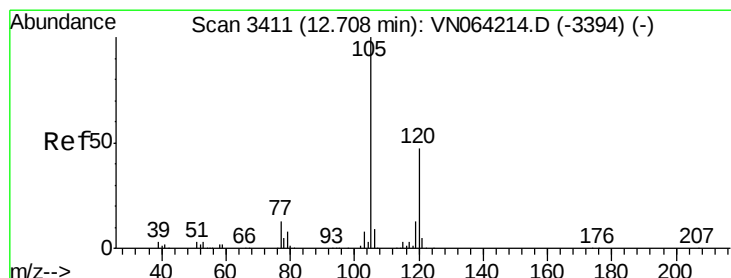
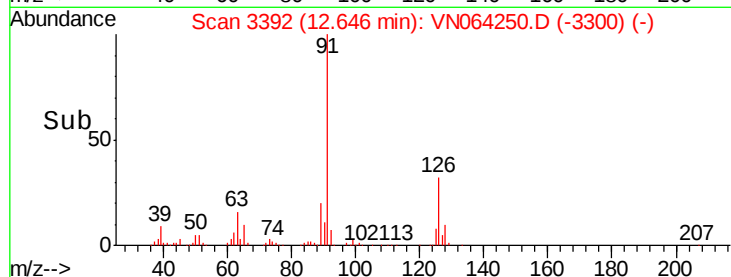
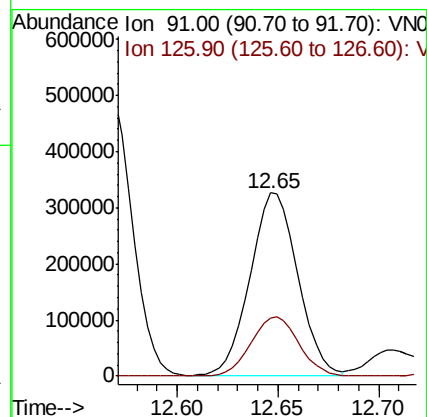
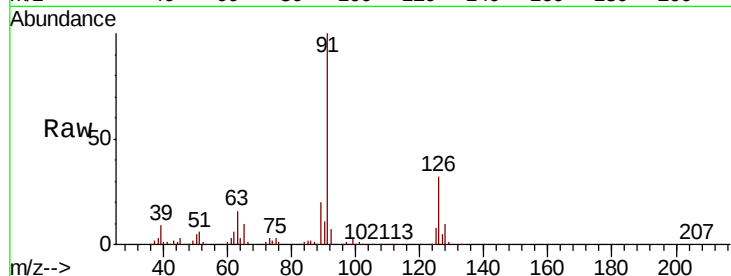
VSTDCCC050EC

Tot Ion: 91 Resp: 537048

Ion Ratio Lower Upper

91 100

126 33.0 16.0 48.0



#80

1,3,5-Trimethylbenzene

Concen: 49.762 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064250.D

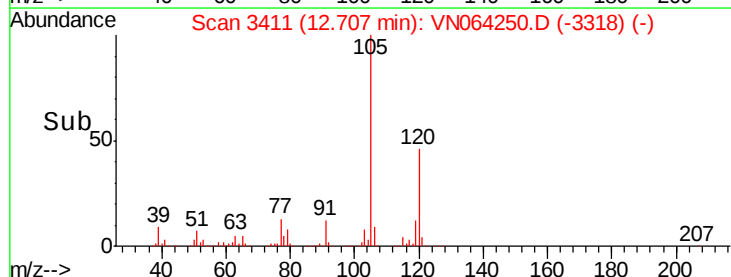
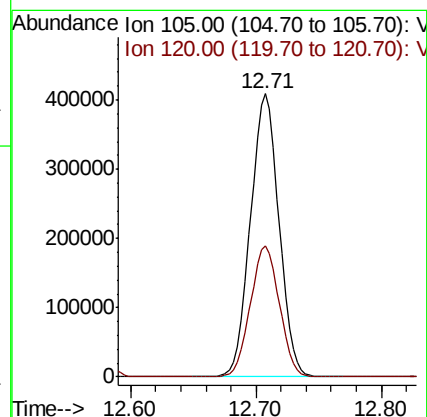
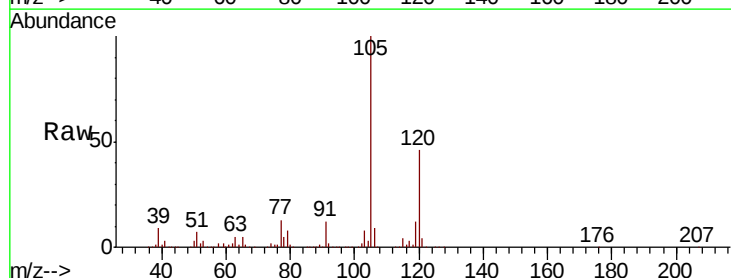
Acq: 22 Oct 2020 6:11

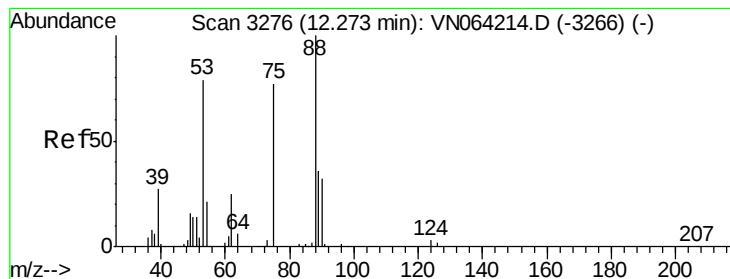
Tgt Ion: 105 Resp: 647374

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.893 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064250.D

Acq: 22 Oct 2020 6:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

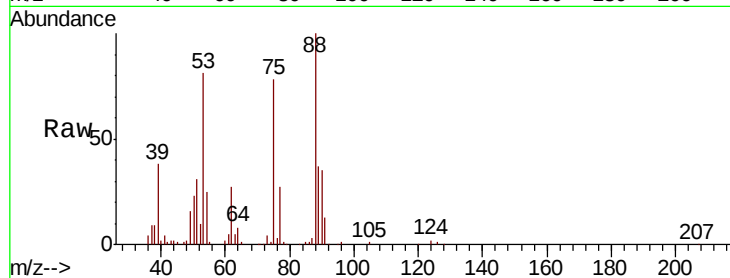
Tot Ion: 75 Resp: 79003

Ion Ratio Lower Upper

75 100

53 101.9 81.0 121.4

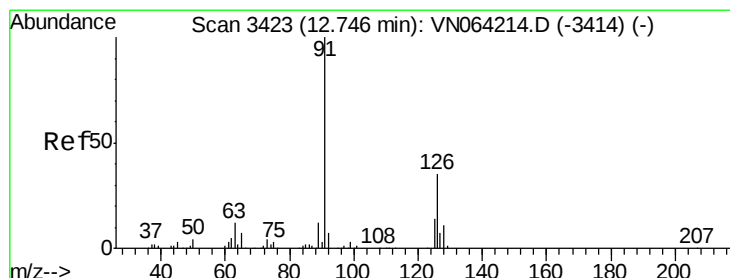
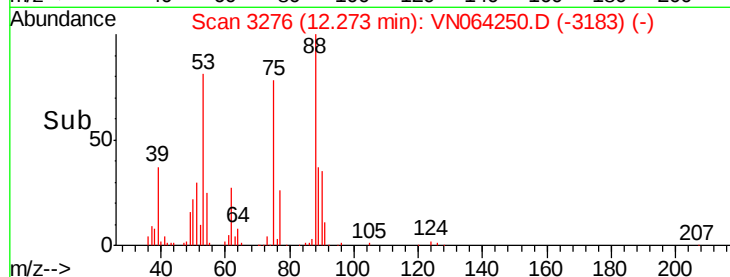
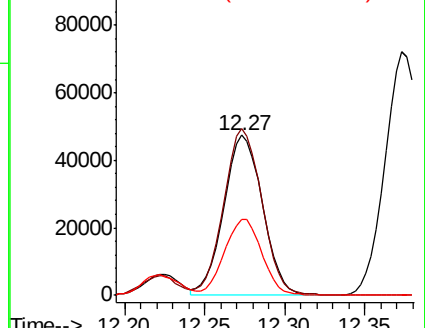
89 45.7 38.7 58.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.984 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064250.D

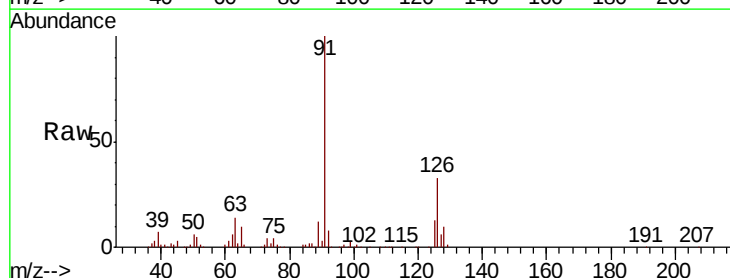
Acq: 22 Oct 2020 6:11

Tgt Ion: 91 Resp: 566750

Ion Ratio Lower Upper

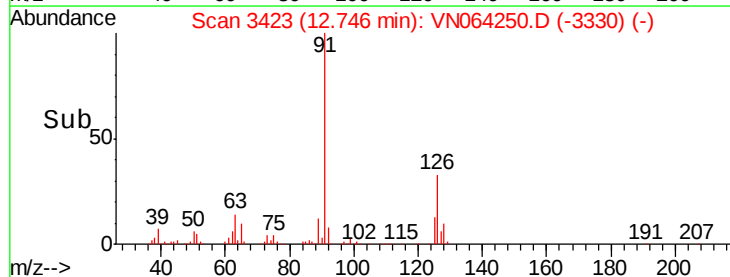
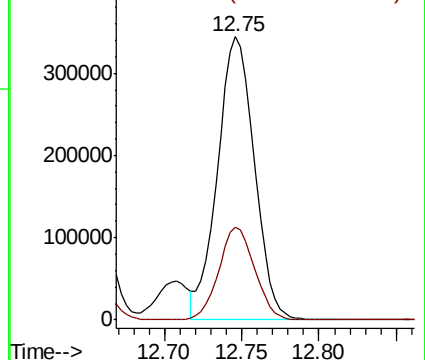
91 100

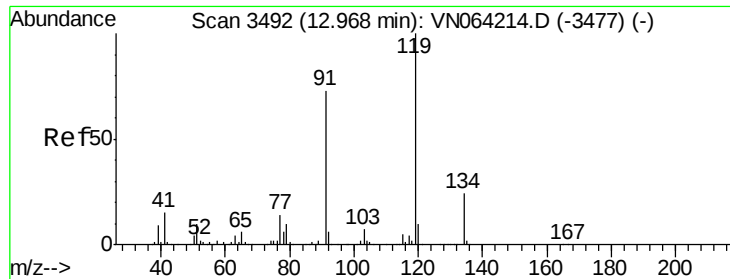
126 31.7 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

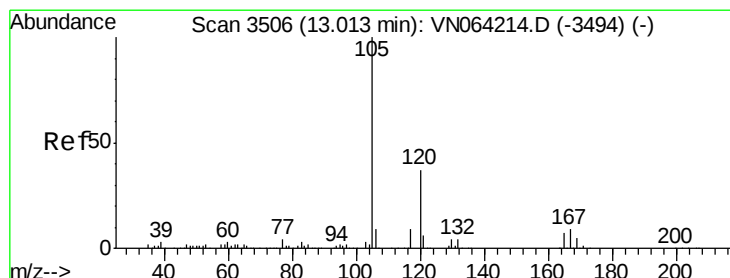
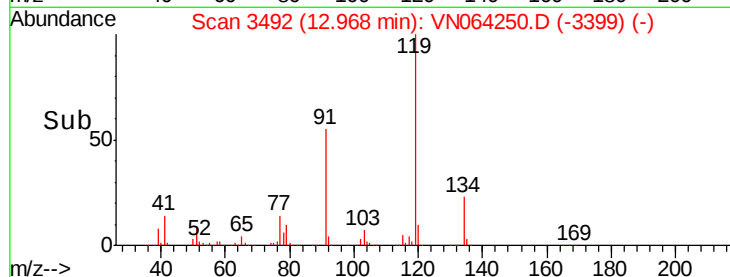
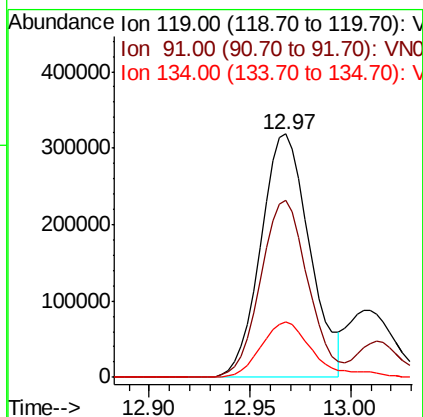
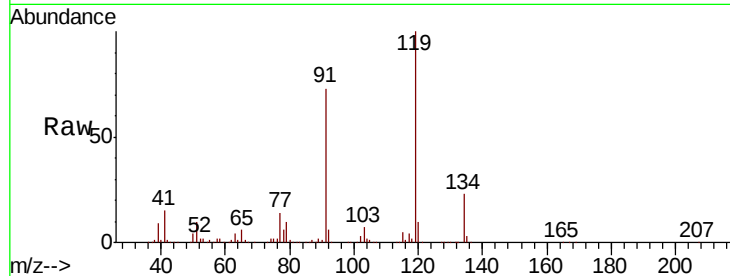




#83
tert-Butylbenzene
Concen: 50.358 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

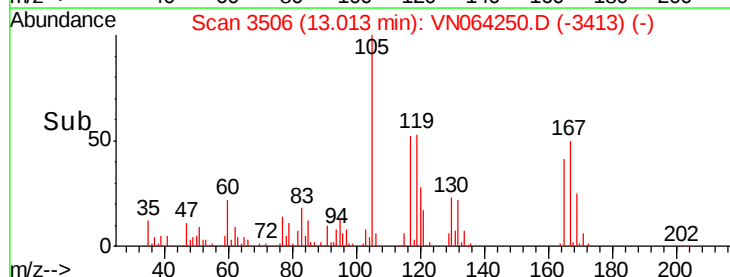
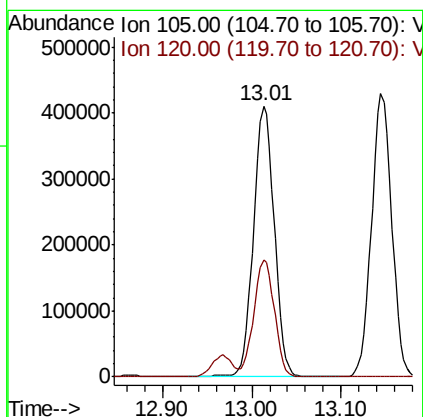
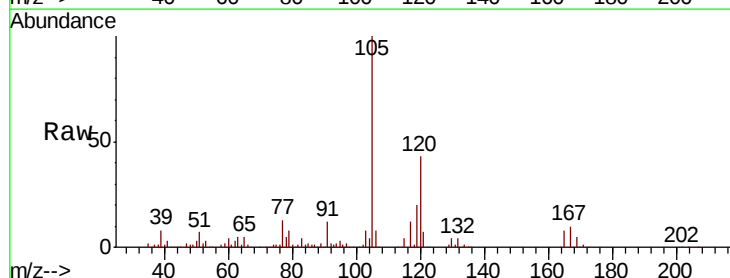
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

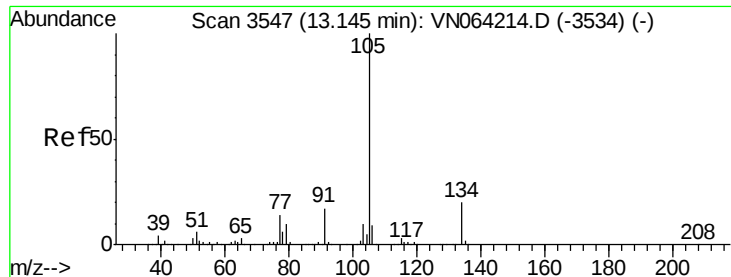
Tot Ion:119 Resp: 537125
Ion Ratio Lower Upper
119 100
91 70.7 35.1 105.3
134 24.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 51.317 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion:105 Resp: 664465
Ion Ratio Lower Upper
105 100
120 43.1 21.5 64.5

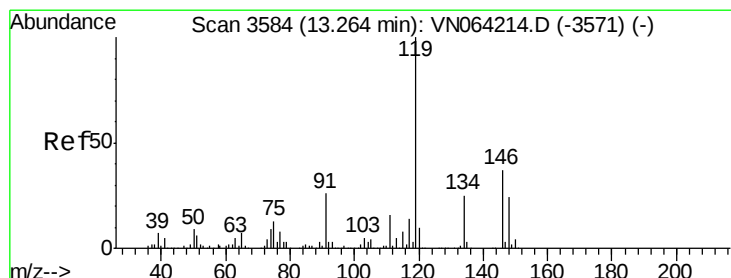
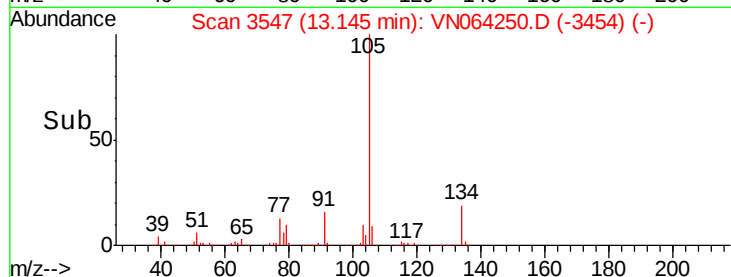
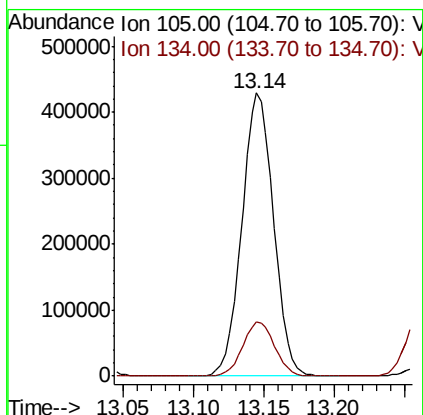
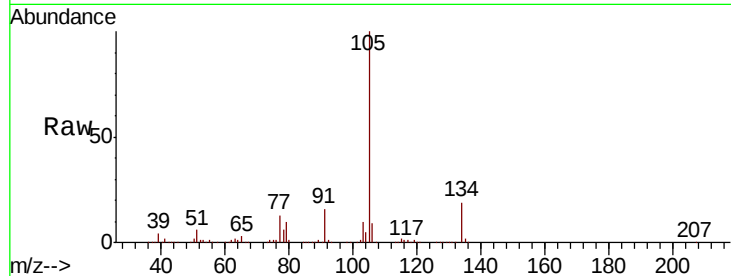




#85
 sec-Butylbenzene
 Concen: 49.988 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

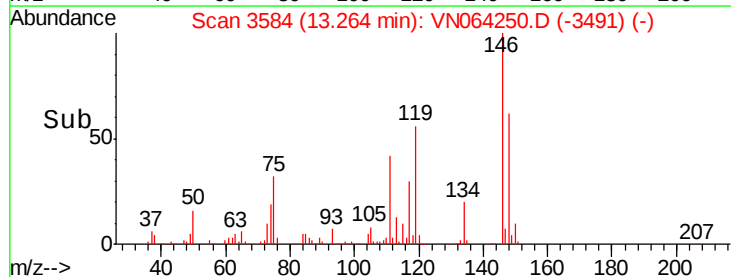
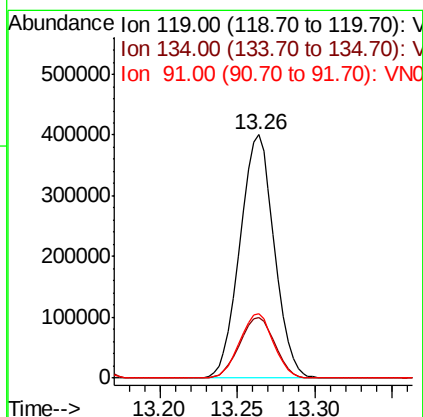
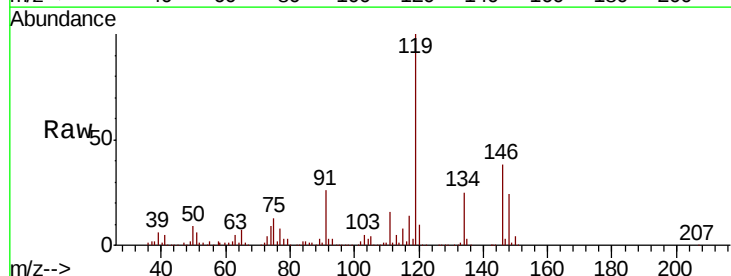
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

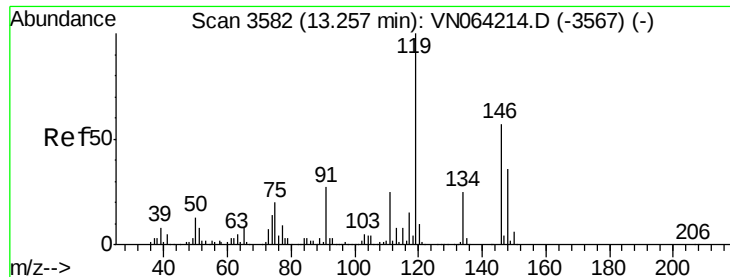
Tot Ion:105 Resp: 672174
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 50.360 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Tgt Ion:119 Resp: 616654
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.3
 91 26.1 13.4 40.2

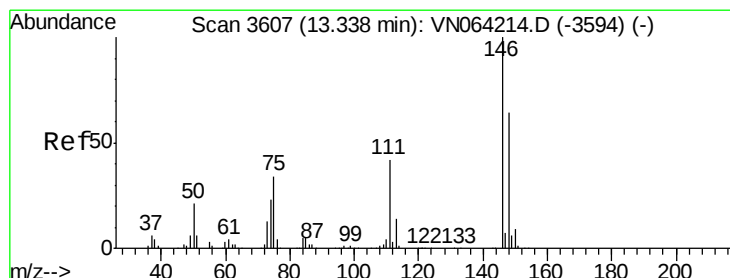
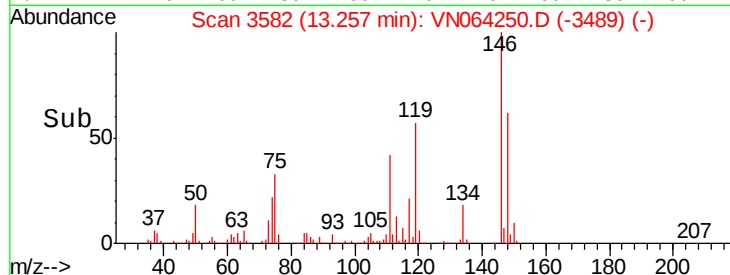
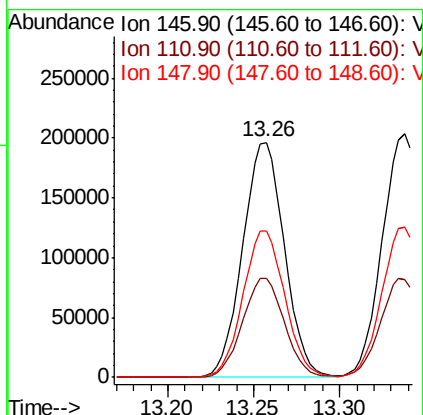
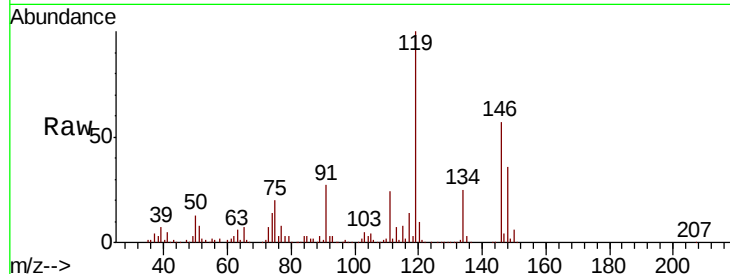




#87
 1,3-Dichlorobenzene
 Concen: 51.136 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

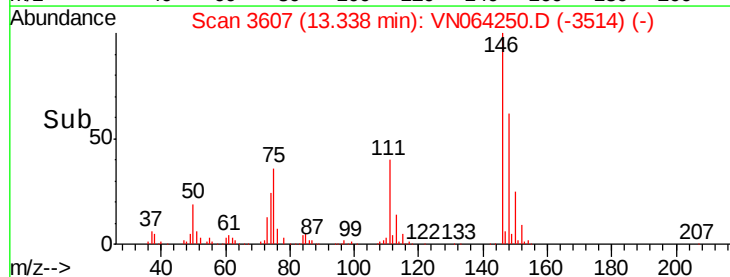
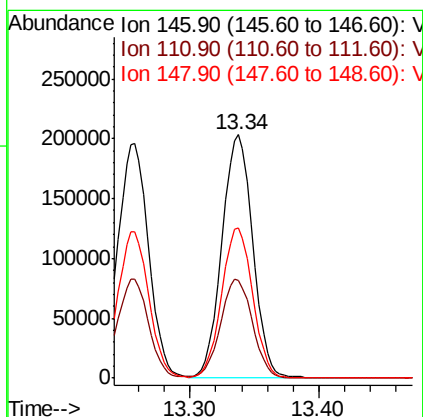
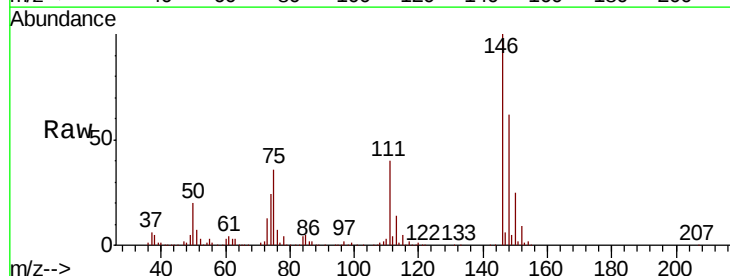
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

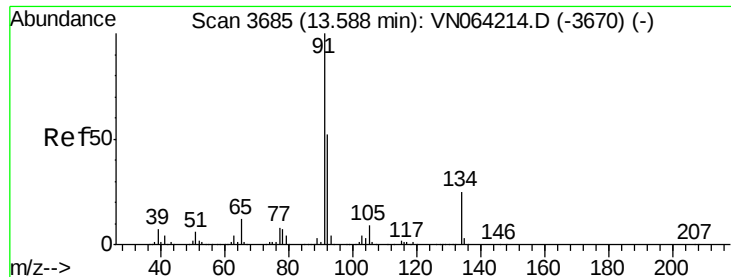
Tot Ion:146 Resp: 330548
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.6 65.0
 148 62.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.992 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Tgt Ion:146 Resp: 337380
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.5 64.5
 148 61.8 32.0 96.0

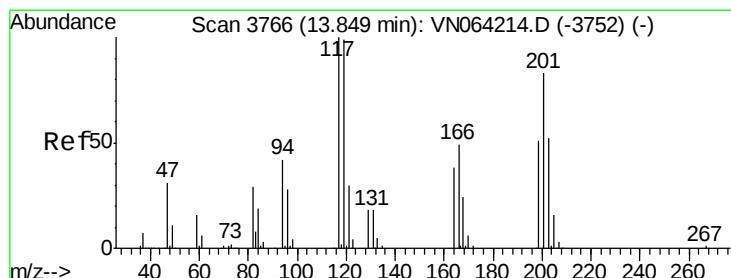
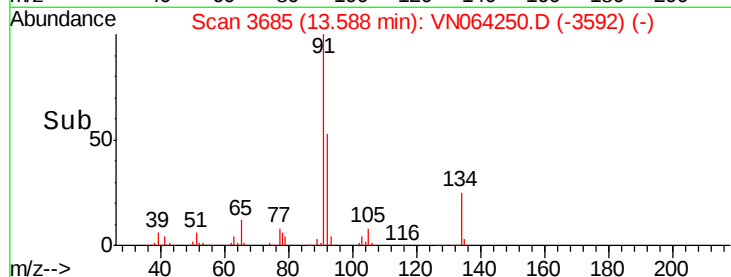
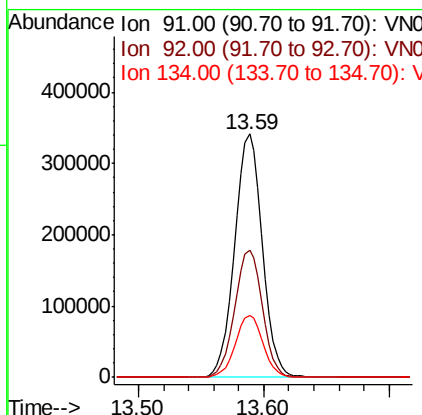
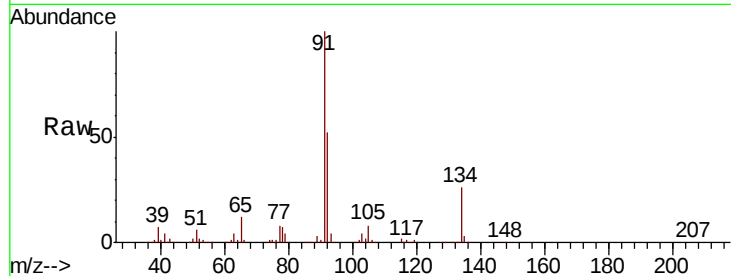




#89
n-Butylbenzene
Concen: 47.587 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

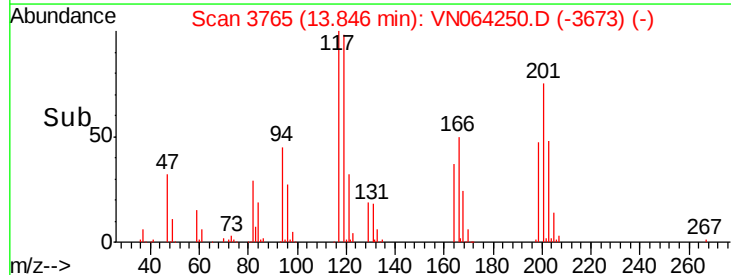
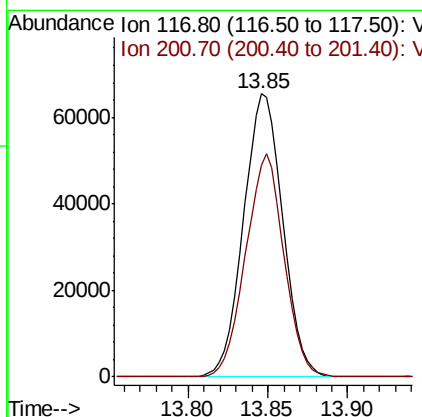
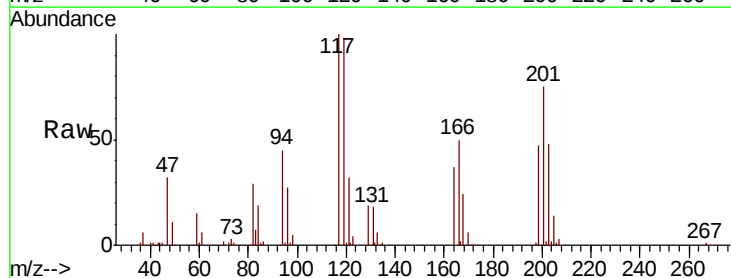
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

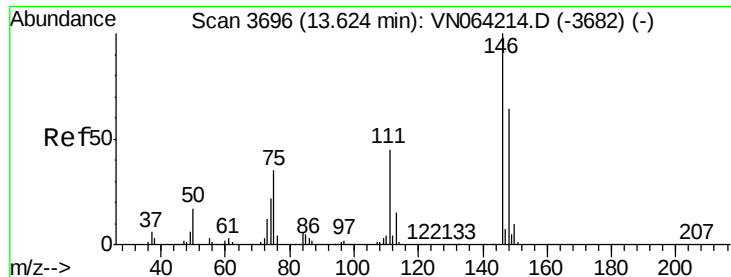
Tot Ion: 91 Resp: 522341
Ion Ratio Lower Upper
91 100
92 52.5 25.7 77.0
134 25.5 12.3 36.8



#90
Hexachloroethane
Concen: 49.453 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion: 117 Resp: 109669
Ion Ratio Lower Upper
117 100
201 76.9 40.1 120.3

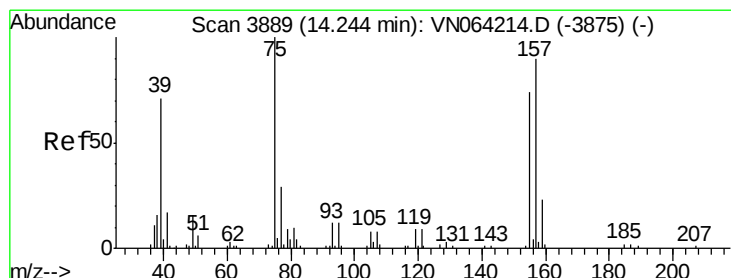
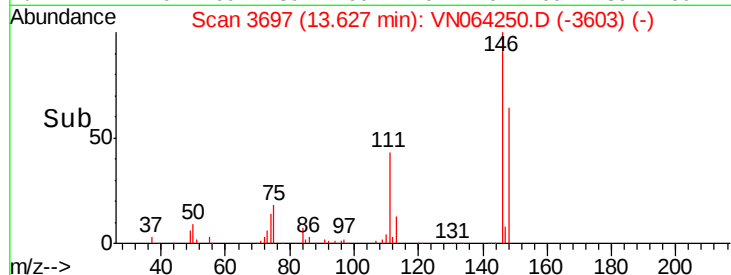
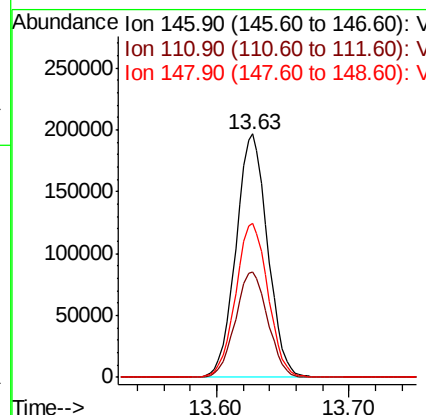
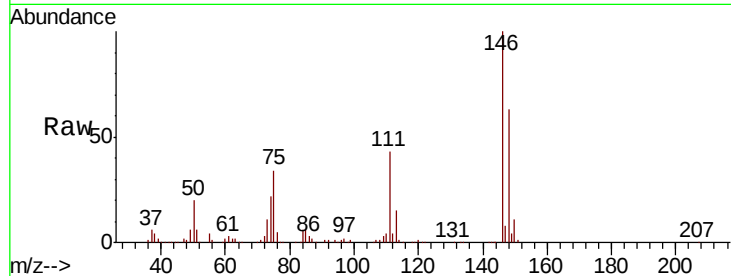




#91
 1,2-Dichlorobenzene
 Concen: 51.353 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

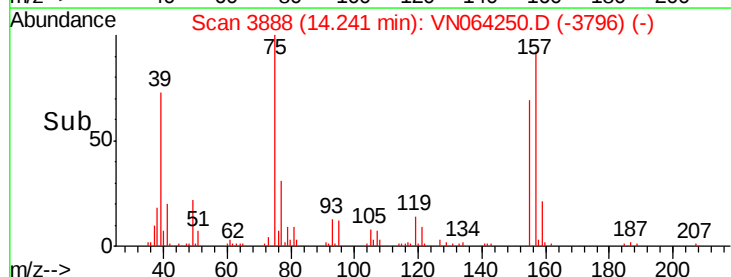
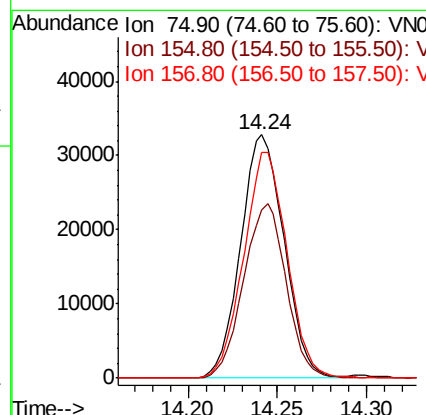
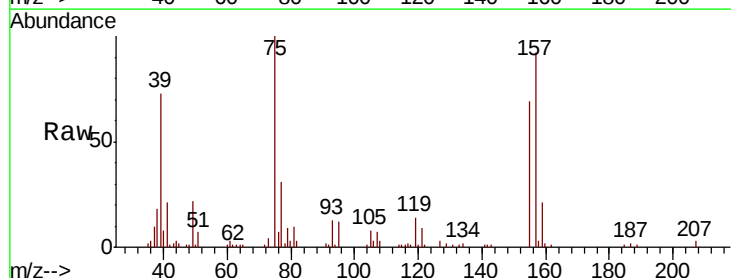
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

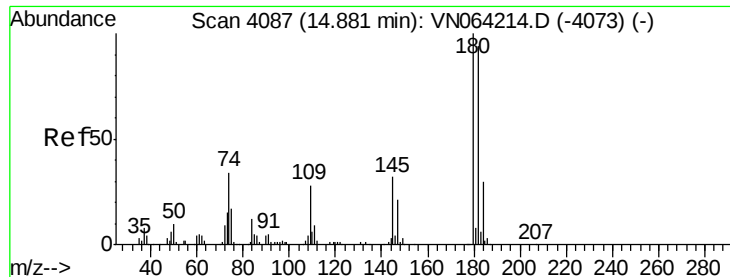
Tot Ion:146 Resp: 325654
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.9 68.7
 148 64.6 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.772 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Tgt Ion: 75 Resp: 55800
 Ion Ratio Lower Upper
 75 100
 155 70.3 36.9 110.7
 157 92.7 44.6 133.8

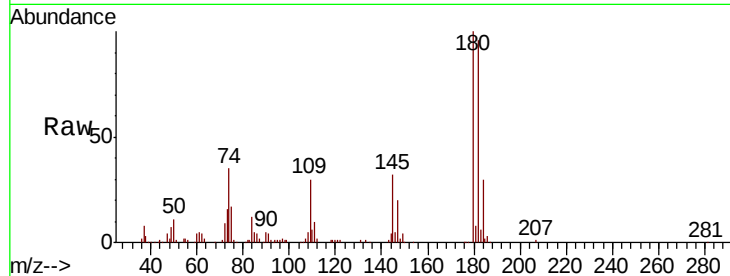




#93
 1,2,4-Trichlorobenzene
 Concen: 50.874 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.9	140.7
145	31.3	16.1	48.3

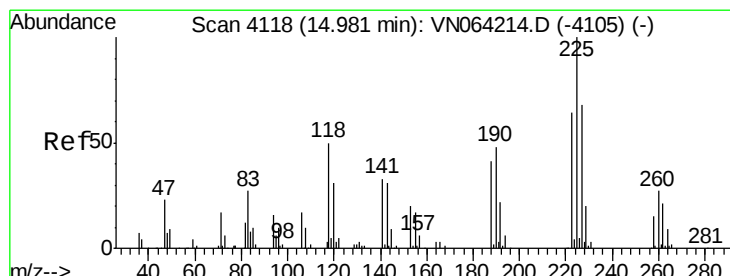
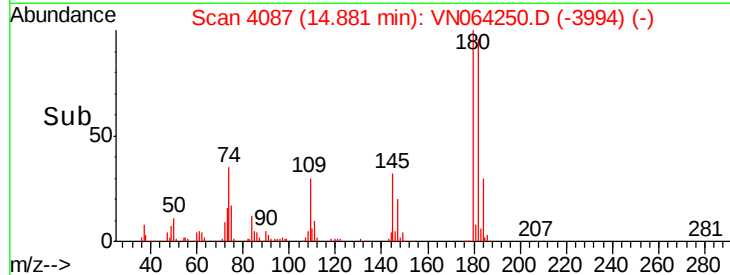
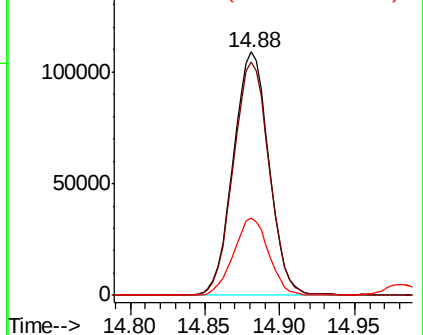


Abundance

Ion 179.80 (179.50 to 180.50): V

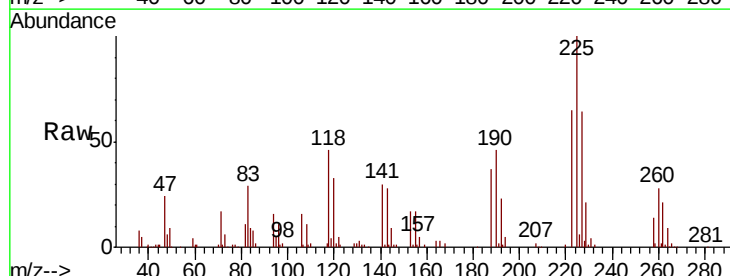
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.826 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064250.D
 Acq: 22 Oct 2020 6:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.5	94.5
227	63.1	32.1	96.5

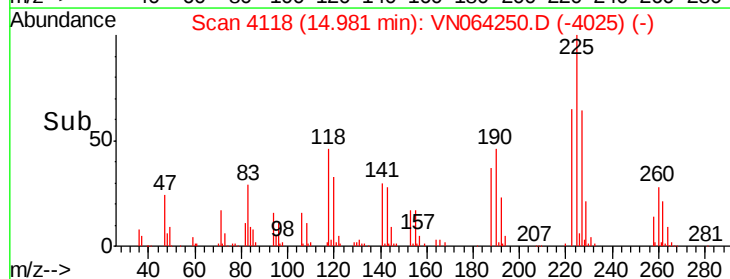
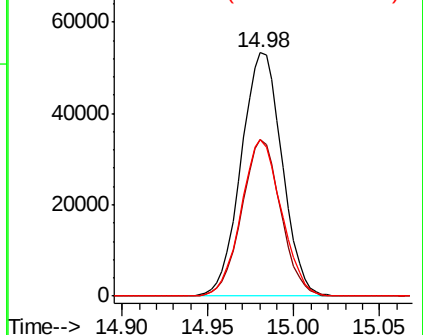


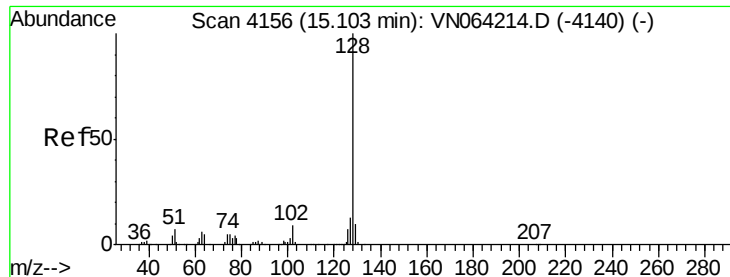
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

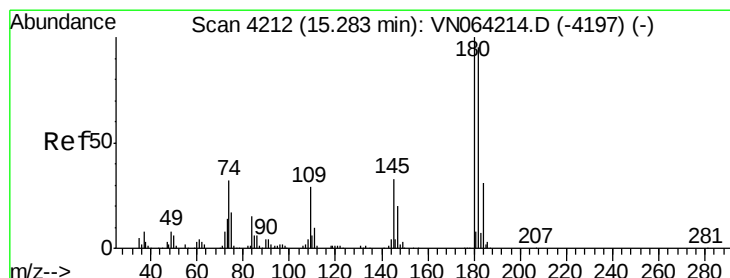
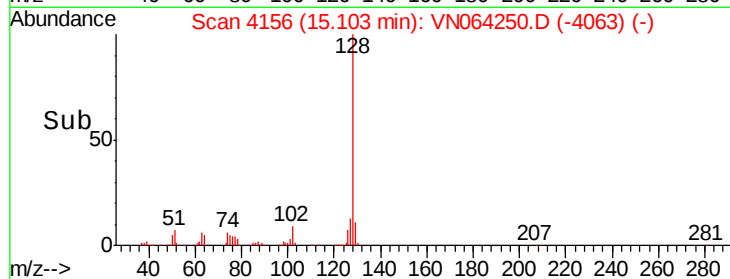
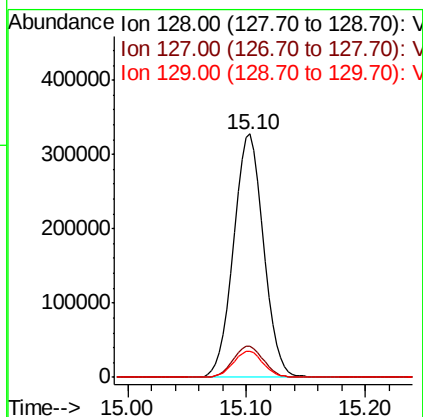
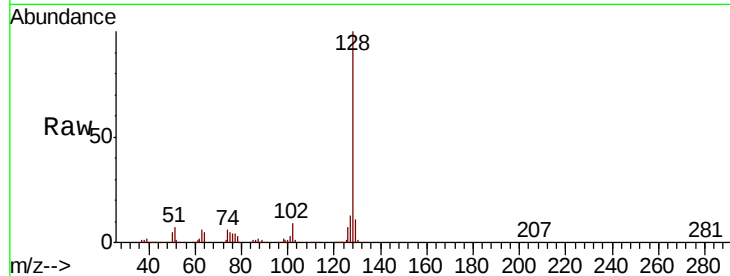




#95
Naphthalene
Concen: 53.766 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 572678
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.834 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064250.D
Acq: 22 Oct 2020 6:11

Tgt Ion:180 Resp: 175549
Ion Ratio Lower Upper
180 100
182 96.3 48.0 144.2
145 34.3 17.1 51.3

