

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064649.D
 Acq On : 16 Nov 2020 9:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 17 03:37:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	330371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	544685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	530548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	254407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	266187	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.55	113	193846	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.06	98	733749	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.37	95	276279	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	200011	46.508	ug/l	96
3) Chloromethane	2.04	50	221810	42.463	ug/l	100
4) Vinyl Chloride	2.17	62	251797	46.940	ug/l	95
5) Bromomethane	2.53	94	171263	49.976	ug/l	99
6) Chloroethane	2.68	64	163392	47.575	ug/l	94
7) Trichlorofluoromethane	2.99	101	410349	51.951	ug/l	98
8) Diethyl Ether	3.37	74	135283	48.499	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	185771	49.527	ug/l	98
10) Methyl Iodide	3.91	142	221671	50.860	ug/l	99
11) Tert butyl alcohol	4.74	59	140614	221.576	ug/l #	83
12) 1,1-Dichloroethene	3.69	96	165182	46.751	ug/l	94
13) Acrolein	3.57	56	84170	213.825	ug/l	95
14) Allyl chloride	4.27	41	309656	44.802	ug/l	98
15) Acrylonitrile	4.93	53	432405	244.736	ug/l	100
16) Acetone	3.78	43	581243	265.164	ug/l	98
17) Carbon Disulfide	4.00	76	483085	45.720	ug/l	98
18) Methyl Acetate	4.28	43	209977	48.725	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	601400	47.293	ug/l	96
20) Methylene Chloride	4.50	84	200829	46.177	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	190983	47.606	ug/l	96
22) Diisopropyl ether	5.90	45	694896	47.363	ug/l	99
23) Vinyl Acetate	5.84	43	2852080	238.958	ug/l	98
24) 1,1-Dichloroethane	5.79	63	382723	47.471	ug/l	99
25) 2-Butanone	6.78	43	707279	253.239	ug/l	99
26) 2,2-Dichloropropane	6.77	77	371835	50.948	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	220637	47.463	ug/l	97
28) Bromochloromethane	7.15	49	177384	44.761	ug/l	98
29) Tetrahydrofuran	7.17	42	394295	230.107	ug/l	97
30) Chloroform	7.32	83	420235	49.587	ug/l	97
31) Cyclohexane	7.61	56	302076	43.183	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	371768	49.460	ug/l	98
36) 1,1-Dichloropropene	7.75	75	295477	51.350	ug/l	97
37) Ethyl Acetate	6.88	43	274980	47.129	ug/l	99
38) Carbon Tetrachloride	7.73	117	332390	54.049	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	275339	53.378	ug/l	100
40) Benzene	8.00	78	857215	50.696	ug/l	99
41) Methacrylonitrile	7.12	41	118619	46.497	ug/l	97
42) 1,2-Dichloroethane	8.08	62	355824	52.145	ug/l	99
43) Isopropyl Acetate	8.13	43	454147	48.701	ug/l	99
44) Trichloroethene	8.80	130	213695	50.092	ug/l	99
45) 1,2-Dichloropropane	9.08	63	230664	51.126	ug/l	100
46) Dibromomethane	9.17	93	158484	53.362	ug/l	99
47) Bromodichloromethane	9.37	83	341034	53.403	ug/l	96
48) Methyl methacrylate	9.16	41	232757	49.465	ug/l	99
49) 1,4-Dioxane	9.16	88	60013	968.290	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1404211	258.213	ug/l	98
52) Toluene	10.12	92	543607	52.711	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	366498	54.133	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	380826	52.610	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	216117	53.734	ug/l	99
56) Ethyl methacrylate	10.40	69	301706	45.755	ug/l	98
57) 1,3-Dichloropropane	10.68	76	366195	52.163	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	839614	266.924	ug/l	97
59) 2-Hexanone	10.72	43	1096330	247.271	ug/l	100
60) Dibromochloromethane	10.87	129	254912	56.609	ug/l	100
61) 1,2-Dibromoethane	10.97	107	220269	53.993	ug/l	100
64) Tetrachloroethene	10.60	164	202632	49.582	ug/l	97
65) Chlorobenzene	11.41	112	581717	50.015	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	231896	53.444	ug/l	99
67) Ethyl Benzene	11.48	91	1060013	51.238	ug/l	100
68) m/p-Xylenes	11.59	106	795727	106.058	ug/l	100
69) o-Xylene	11.92	106	370006	51.035	ug/l	100
70) Styrene	11.94	104	651487	53.401	ug/l	99
71) Bromoform	12.10	173	162231	49.800	ug/l #	99
73) Isopropylbenzene	12.22	105	998001	49.355	ug/l	100
74) N-amyl acetate	12.04	43	403151	41.324	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	297758	47.941	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	414019	67.167	ug/l #	100
77) Bromobenzene	12.50	156	231868	46.967	ug/l	99
78) n-propylbenzene	12.56	91	1187330	51.503	ug/l	100
79) 2-Chlorotoluene	12.65	91	713695	48.811	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	856521	51.345	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	107895	48.873	ug/l	99
82) 4-Chlorotoluene	12.75	91	775739	50.660	ug/l	99
83) tert-Butylbenzene	12.97	119	672471	51.615	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	875908	52.231	ug/l	100
85) sec-Butylbenzene	13.14	105	906827	54.957	ug/l	100
86) p-Isopropyltoluene	13.26	119	825585	55.625	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	433084	50.748	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	434853	49.307	ug/l	98
89) n-Butylbenzene	13.59	91	713363	55.902	ug/l	100
90) Hexachloroethane	13.85	117	158712	55.434	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	427461	52.073	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	60971	49.306	ug/l	97

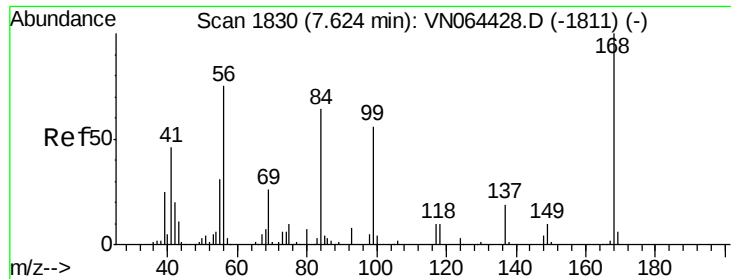
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	195472	47.995	ug/l	100
94) Hexachlorobutadiene	14.98	225	102874	61.552	ug/l	96
95) Naphthalene	15.10	128	590392	42.869	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	194357	49.255	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

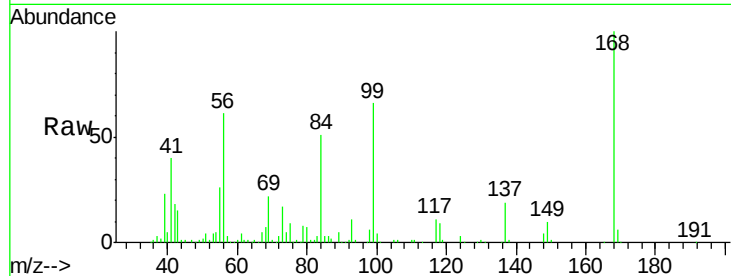
VSTDCCC050

Tot Ion:168 Resp: 330371

Ion Ratio Lower Upper

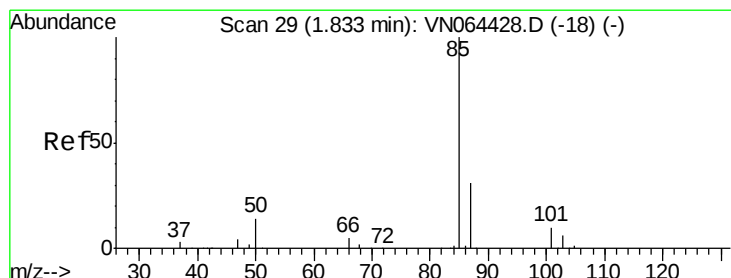
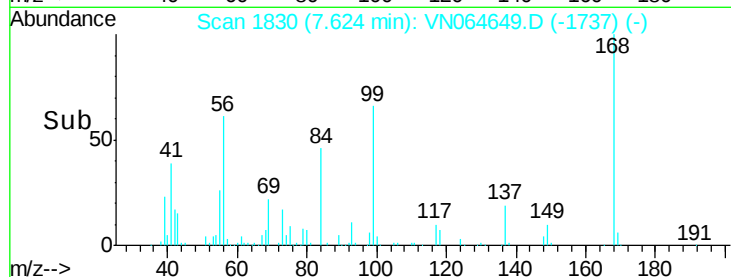
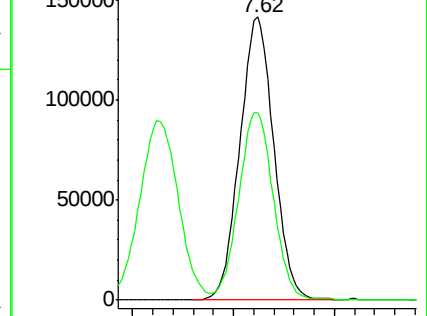
168 100

99 66.1 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.508 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064649.D

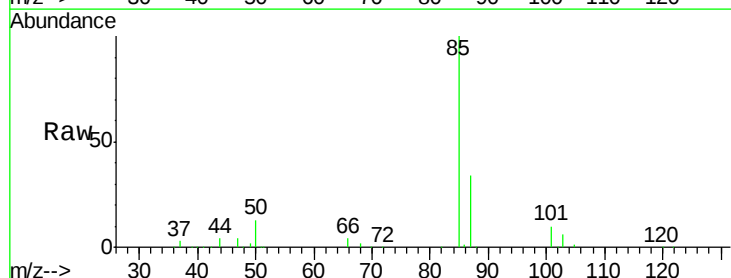
Acq: 16 Nov 2020 9:21

Tgt Ion: 85 Resp: 200011

Ion Ratio Lower Upper

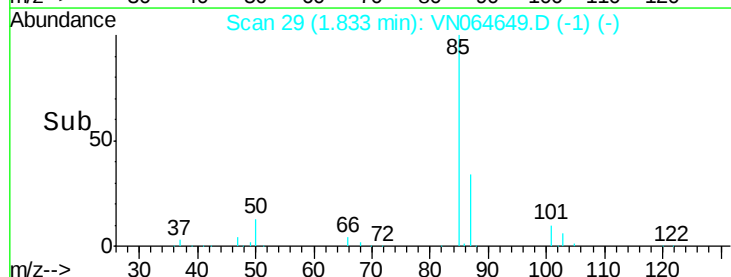
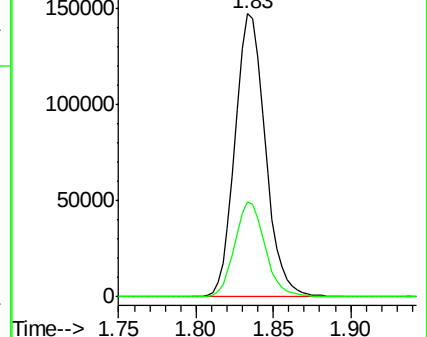
85 100

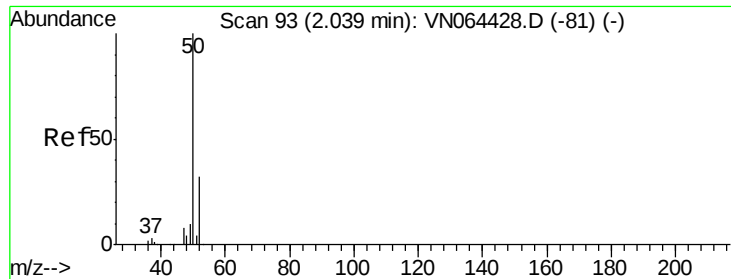
87 33.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.463 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

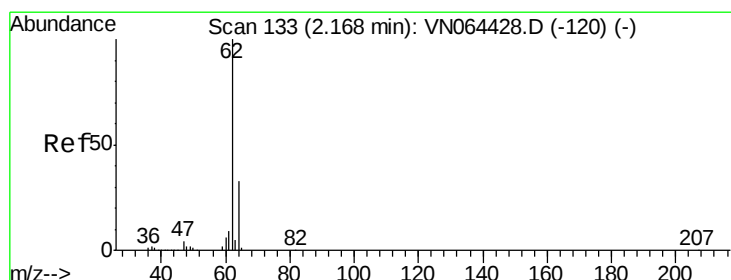
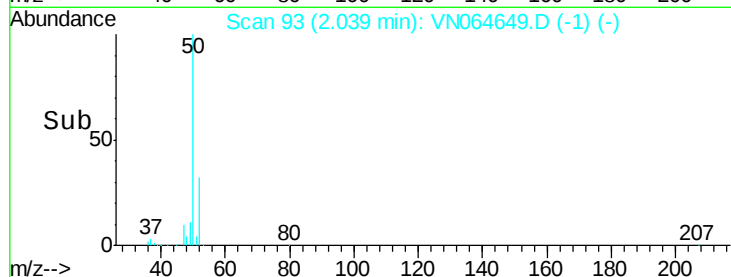
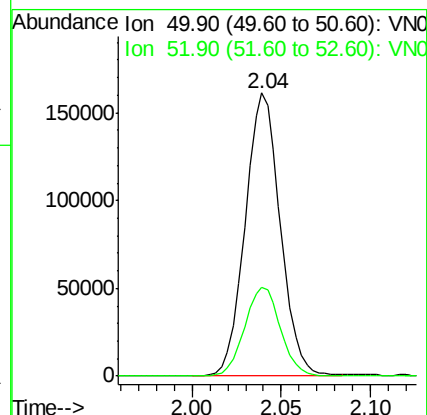
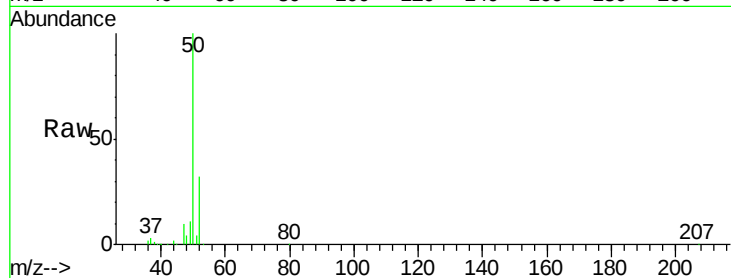
VSTDCCC050

Tot Ion: 50 Resp: 221810

Ion Ratio Lower Upper

50 100

52 31.5 25.3 37.9



#4

Vinyl Chloride

Concen: 46.940 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064649.D

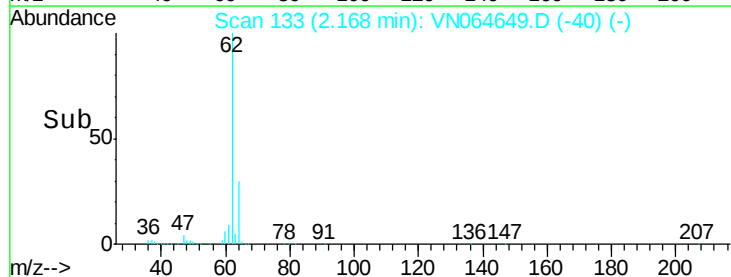
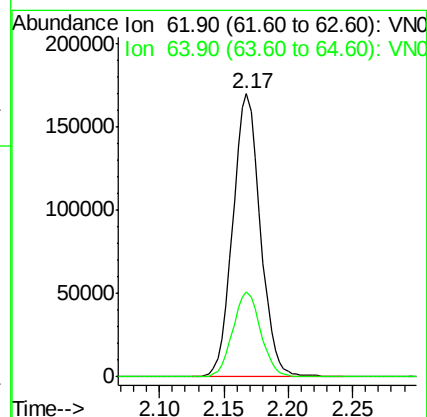
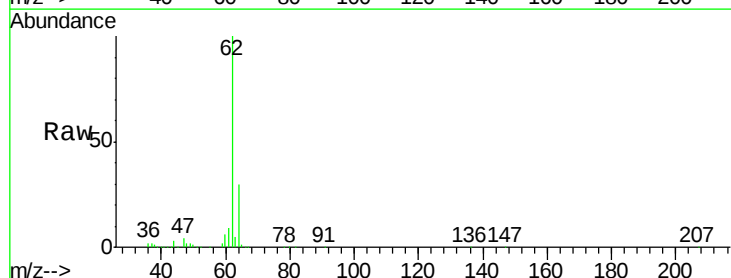
Acq: 16 Nov 2020 9:21

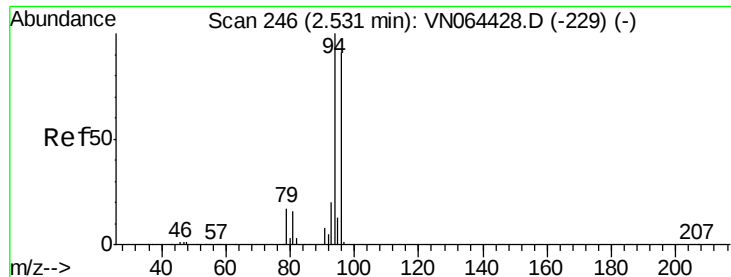
Tgt Ion: 62 Resp: 251797

Ion Ratio Lower Upper

62 100

64 29.8 26.3 39.5





#5

Bromomethane

Concen: 49.976 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

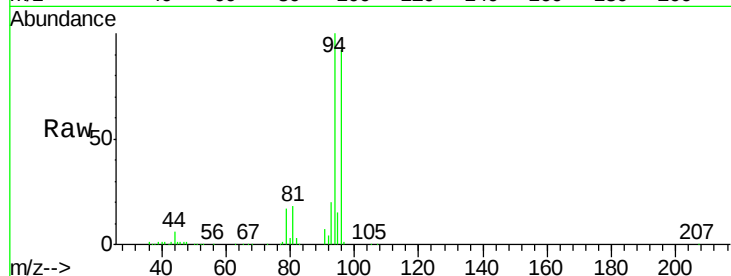
VSTDCCC050

Tot Ion: 94 Resp: 171263

Ion Ratio Lower Upper

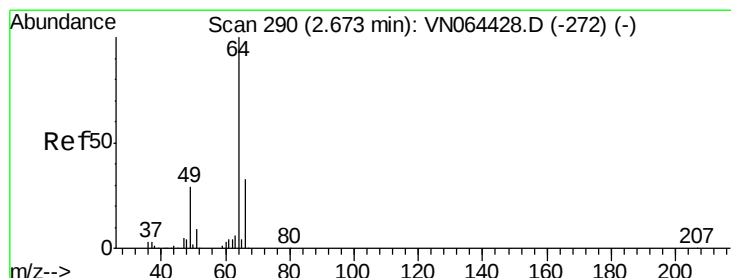
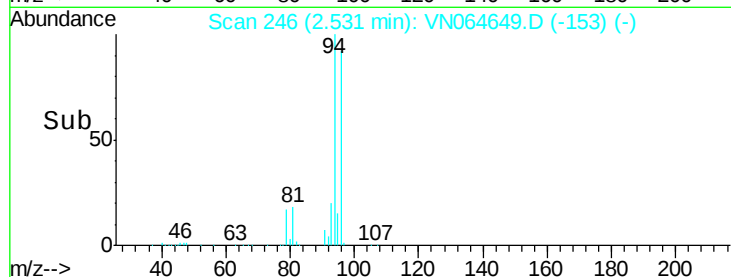
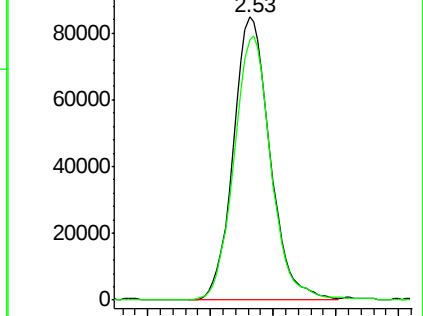
94 100

96 92.0 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.575 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064649.D

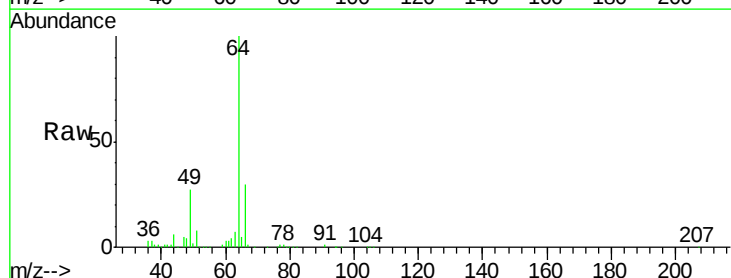
Acq: 16 Nov 2020 9:21

Tgt Ion: 64 Resp: 163392

Ion Ratio Lower Upper

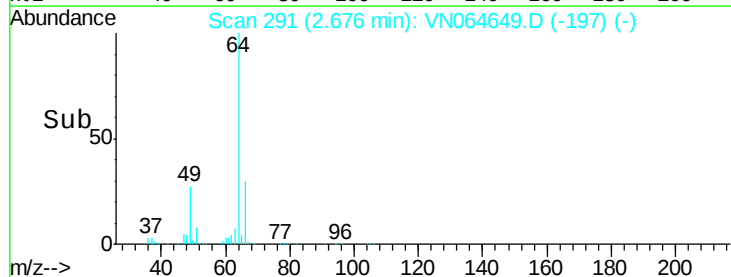
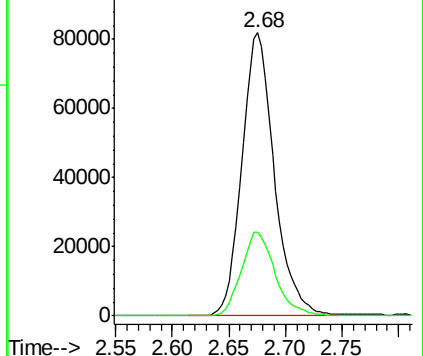
64 100

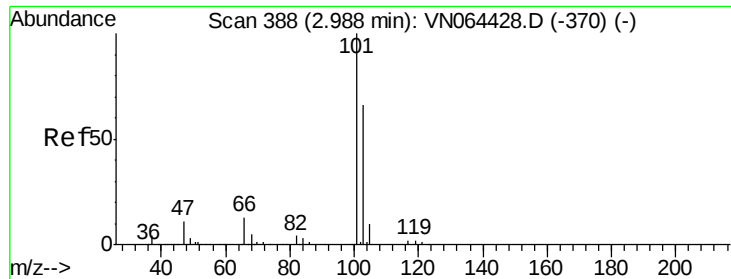
66 29.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



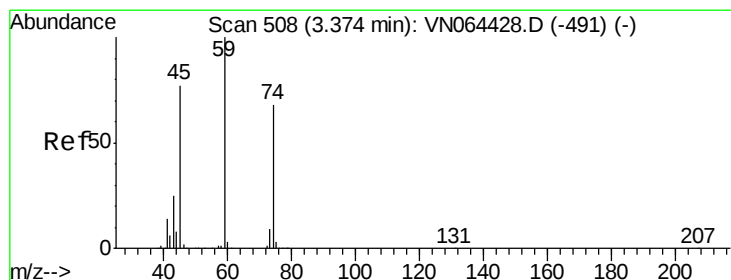
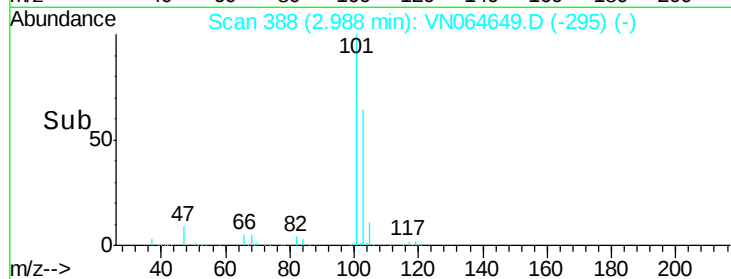
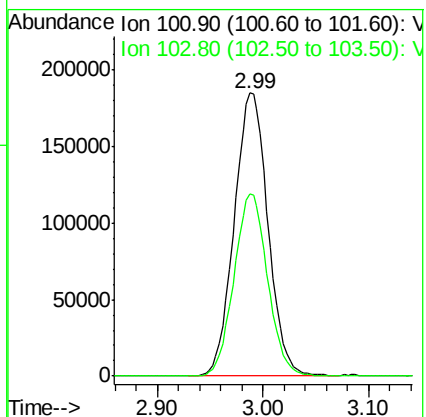
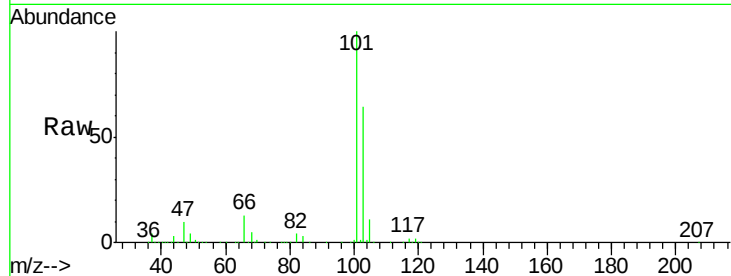


#7

Trichlorofluoromethane
 Concen: 51.951 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
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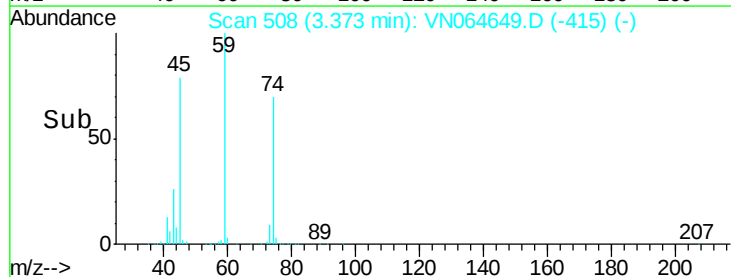
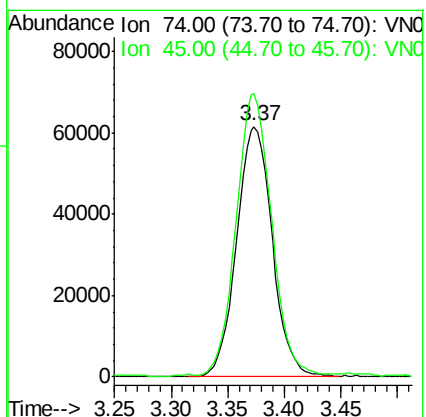
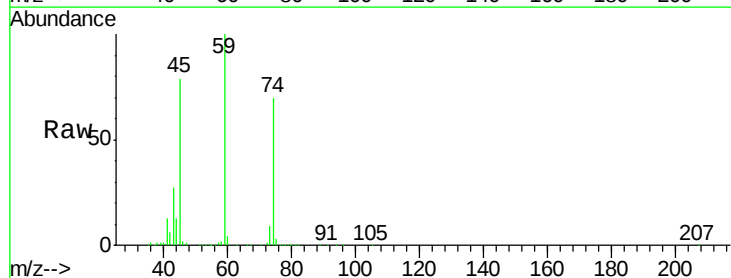
Tot Ion:101 Resp: 410349
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.4 78.6

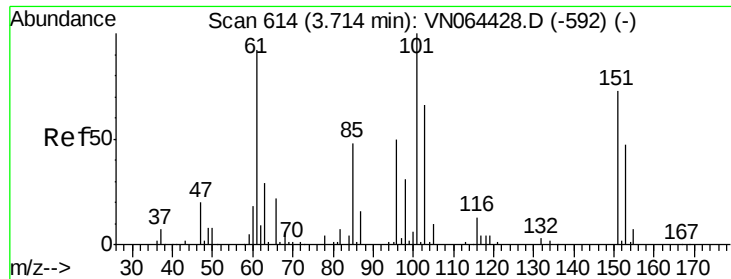


#8

Diethyl Ether
 Concen: 48.499 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 74 Resp: 135283
 Ion Ratio Lower Upper
 74 100
 45 111.1 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.527 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

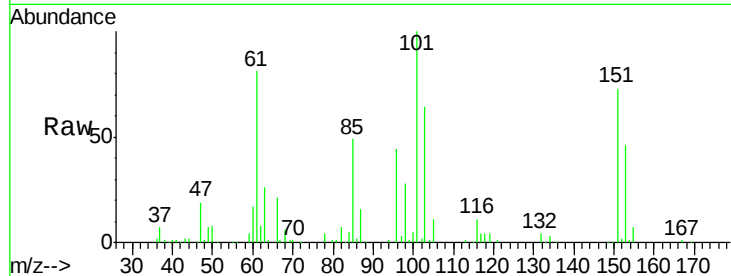
Tot Ion:101 Resp: 185771

Ion Ratio Lower Upper

101 100

85 47.2 38.6 57.8

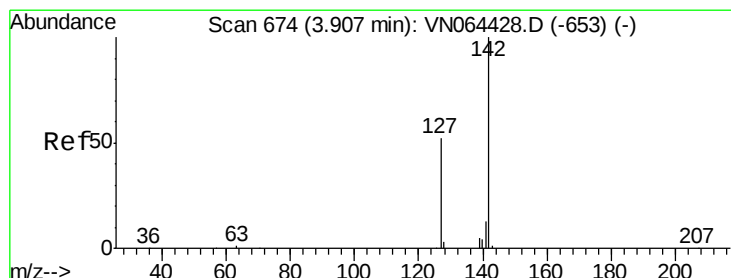
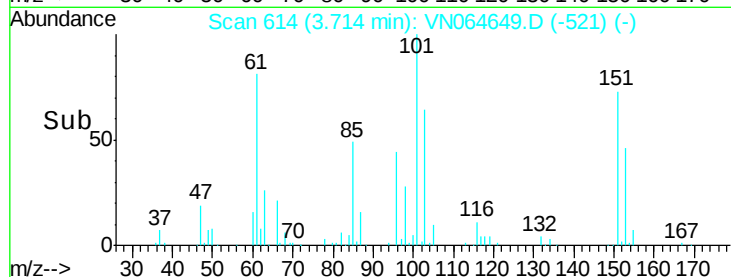
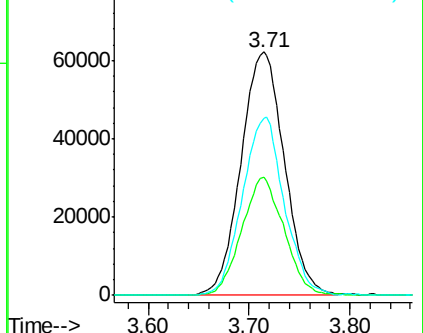
151 70.5 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.860 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

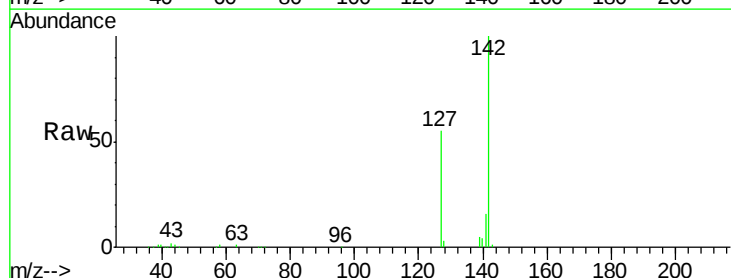
Tgt Ion:142 Resp: 221671

Ion Ratio Lower Upper

142 100

127 52.9 41.8 62.8

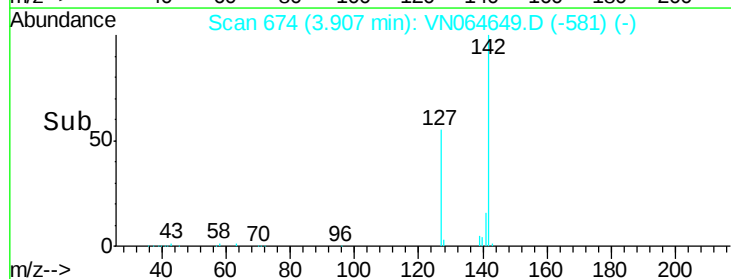
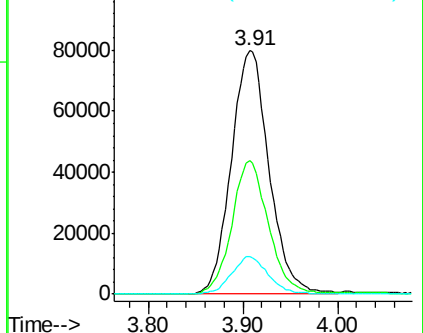
141 14.9 11.4 17.2

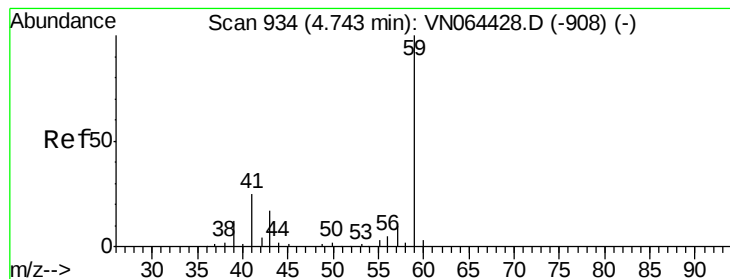


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



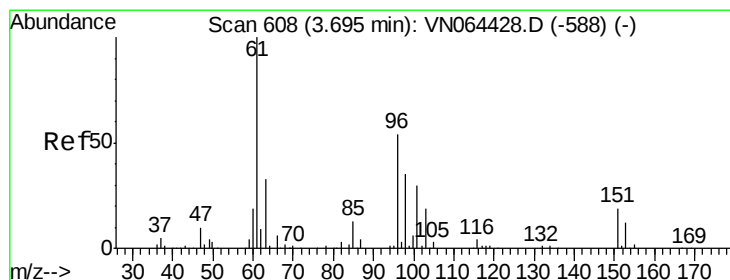
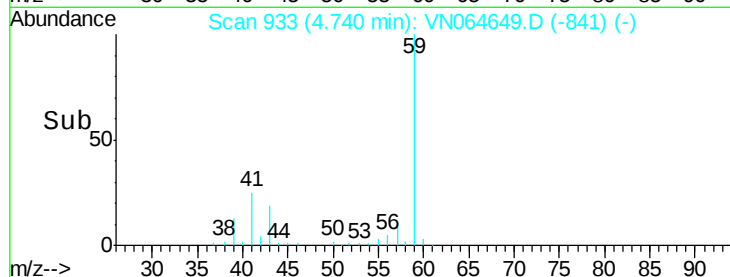
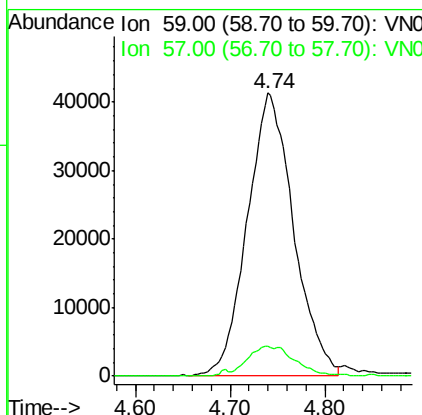
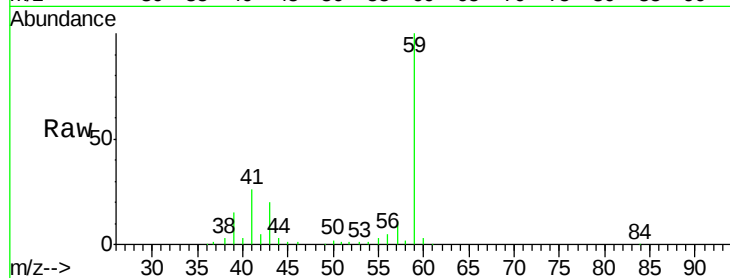


#11

Tert butyl alcohol
 Concen: 221.576 ug/l
 RT: 4.74 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

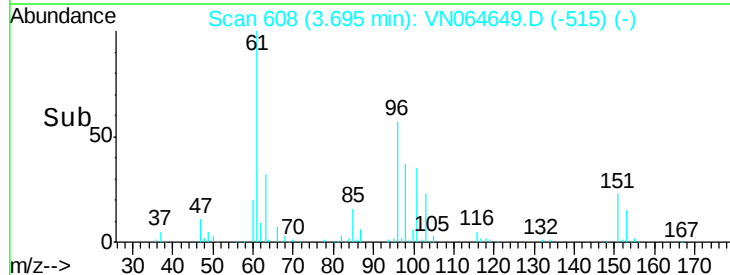
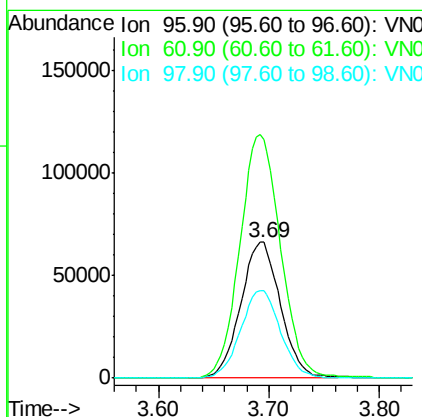
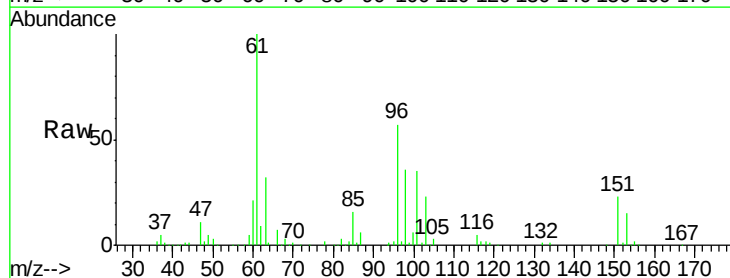
Tot Ion: 59 Resp: 140614
 Ion Ratio Lower Upper
 59 100
 57 4.7 9.0 13.4#

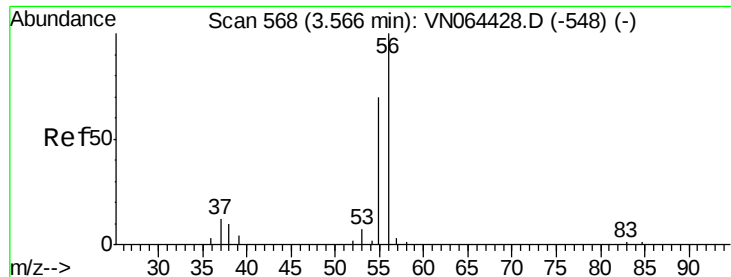


#12

1,1-Dichloroethene
 Concen: 46.751 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 96 Resp: 165182
 Ion Ratio Lower Upper
 96 100
 61 175.7 149.5 224.3
 98 64.0 52.4 78.6





#13

Acrolein

Concen: 213.825 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

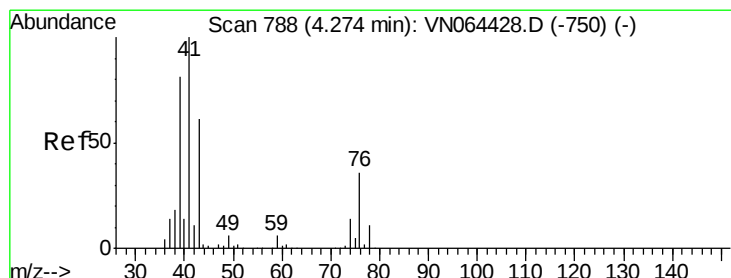
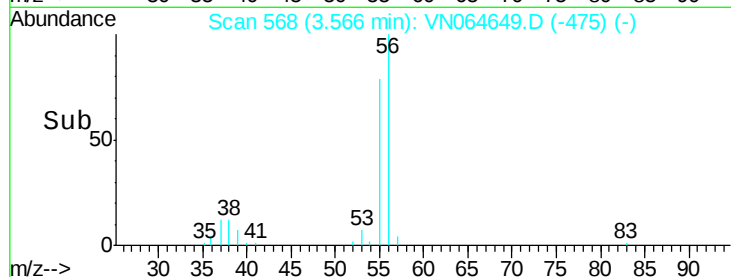
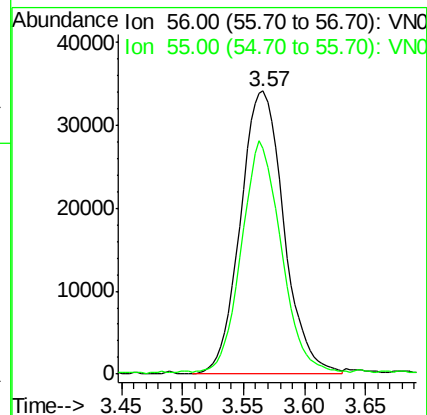
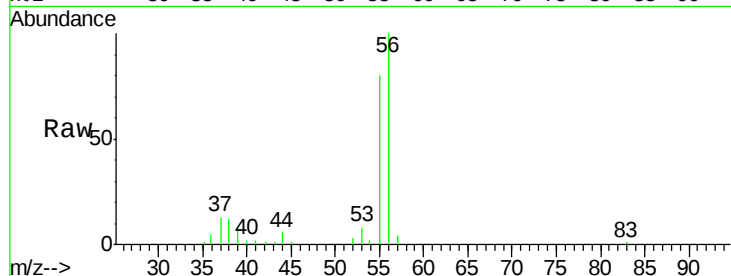
VSTDCCC050

Tot Ion: 56 Resp: 84170

Ion Ratio Lower Upper

56 100

55 73.7 55.9 83.9



#14

Allyl chloride

Concen: 44.802 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

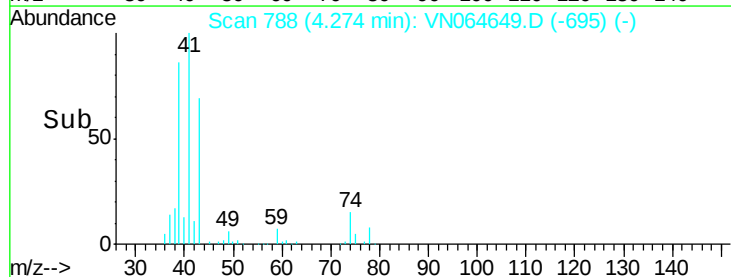
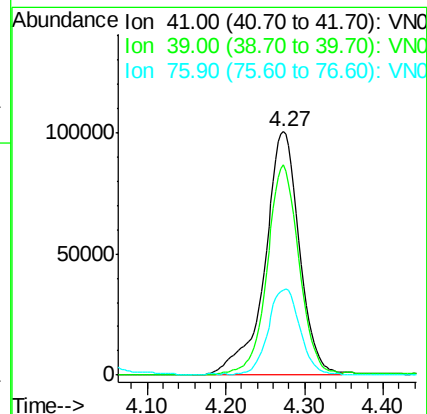
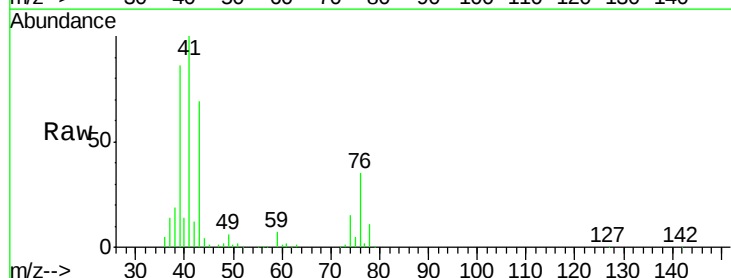
Tgt Ion: 41 Resp: 309656

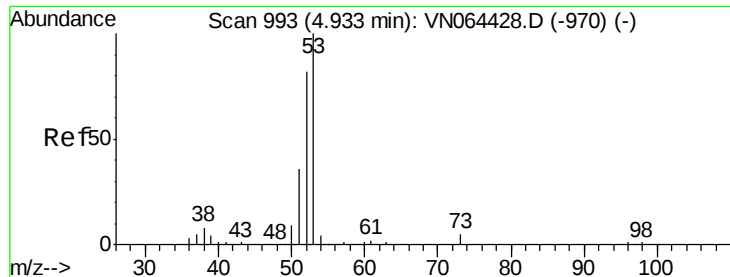
Ion Ratio Lower Upper

41 100

39 79.3 61.8 92.8

76 32.0 25.4 38.0

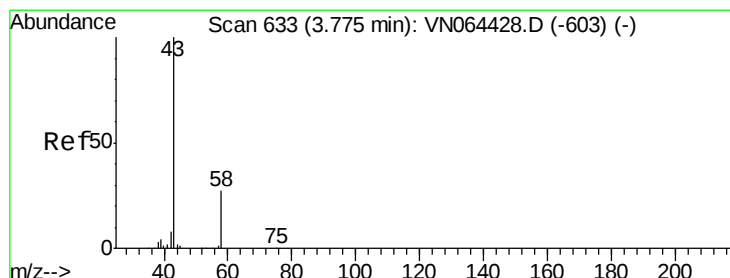
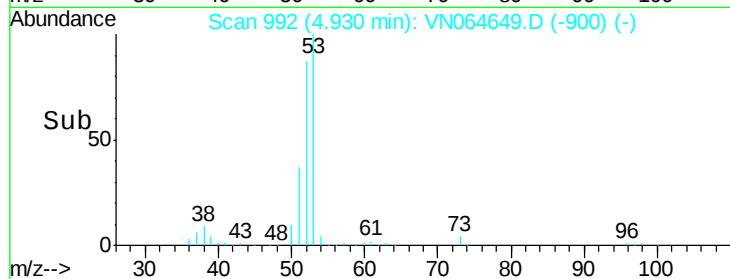
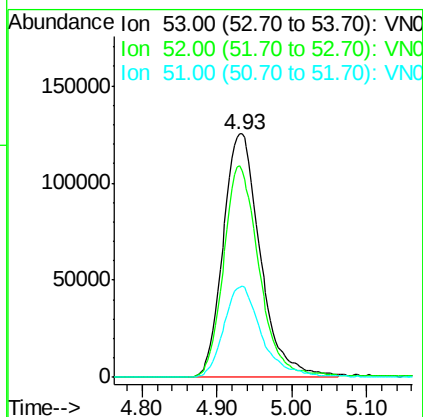
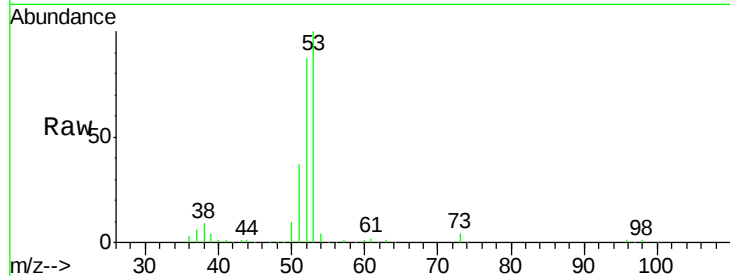




#15
 Acrylonitrile
 Concen: 244.736 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

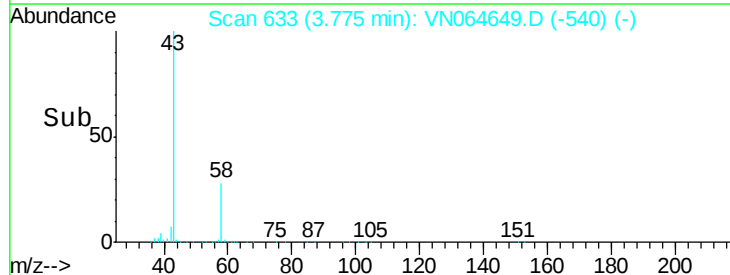
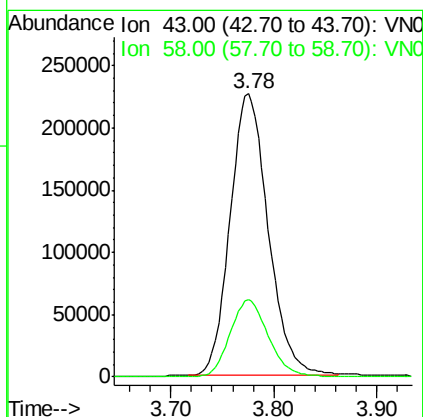
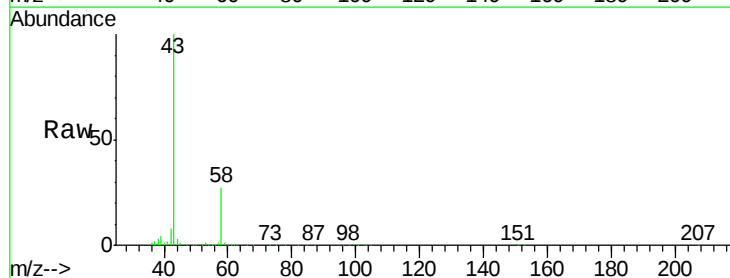
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

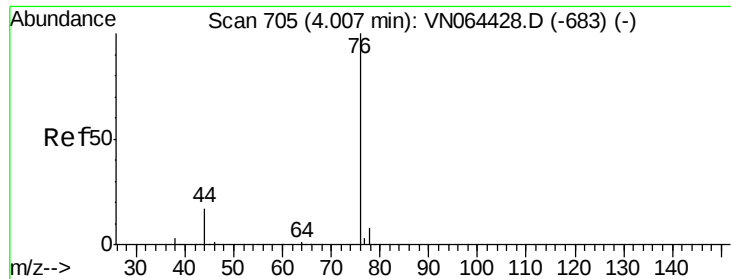
Tot Ion: 53 Resp: 432405
 Ion Ratio Lower Upper
 53 100
 52 82.2 65.6 98.4
 51 37.9 29.9 44.9



#16
 Acetone
 Concen: 265.164 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 43 Resp: 581243
 Ion Ratio Lower Upper
 43 100
 58 27.5 21.4 32.0

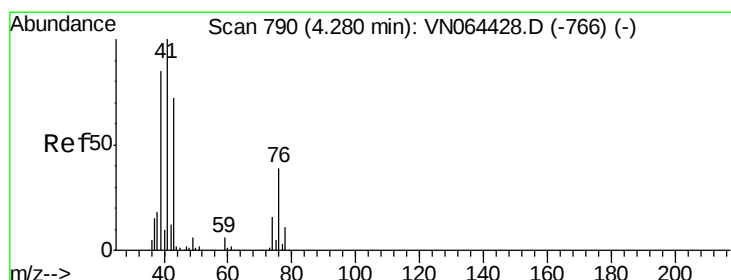
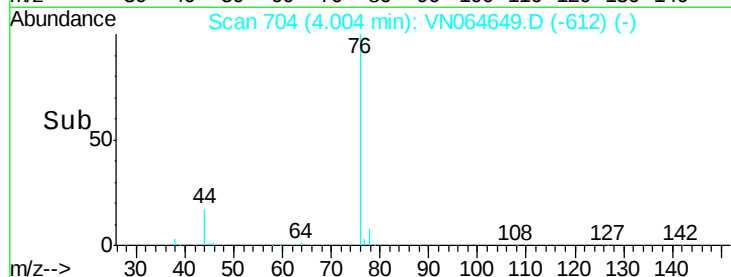
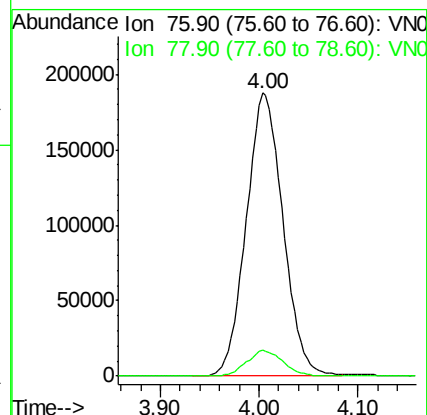
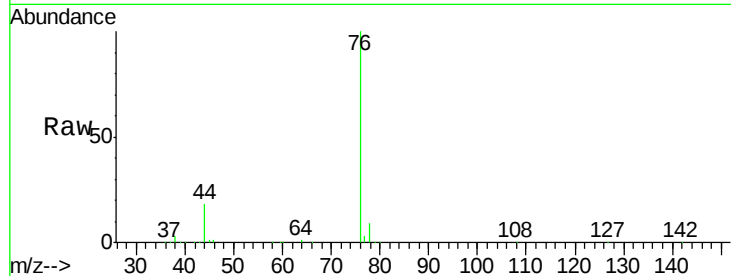




#17
Carbon Disulfide
Concen: 45.720 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

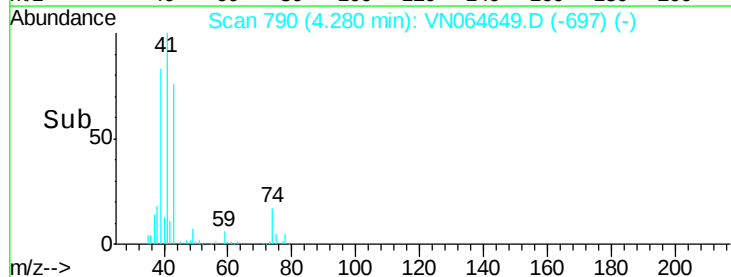
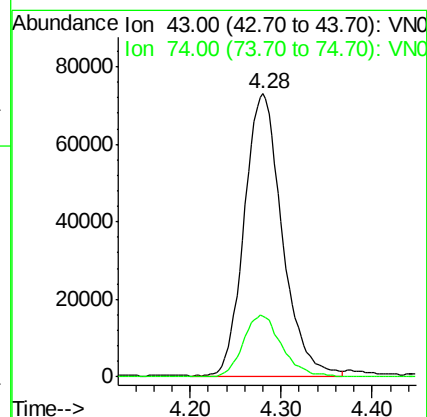
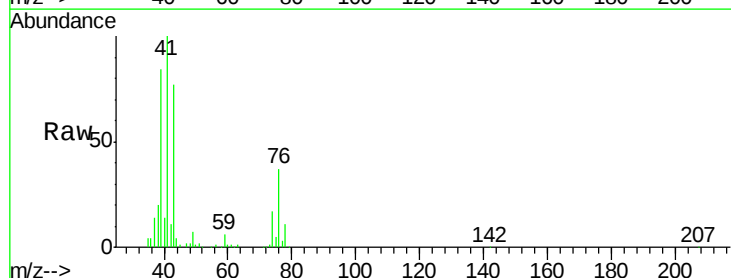
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

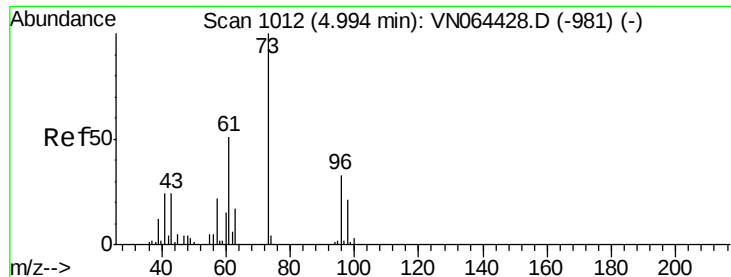
Tot Ion: 76 Resp: 483085
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2



#18
Methyl Acetate
Concen: 48.725 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 43 Resp: 209977
Ion Ratio Lower Upper
43 100
74 21.9 17.0 25.4



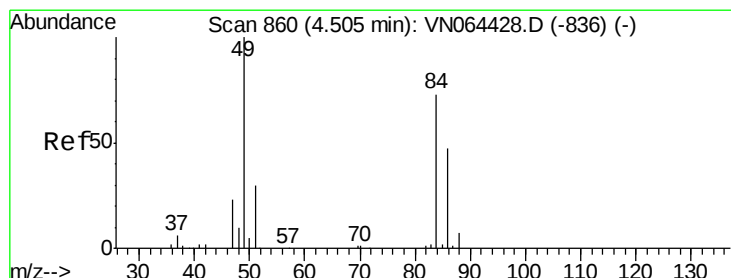
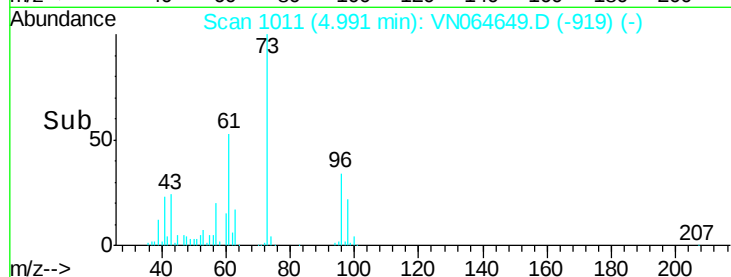
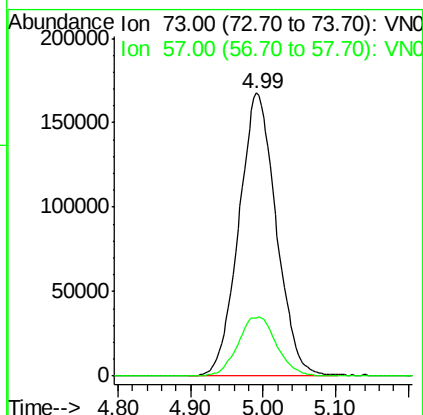
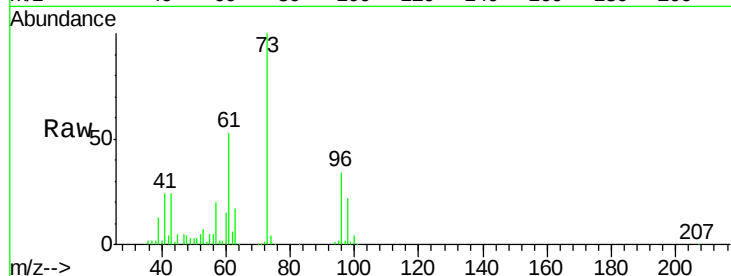


#19

Methyl tert-butyl Ether
 Concen: 47.293 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

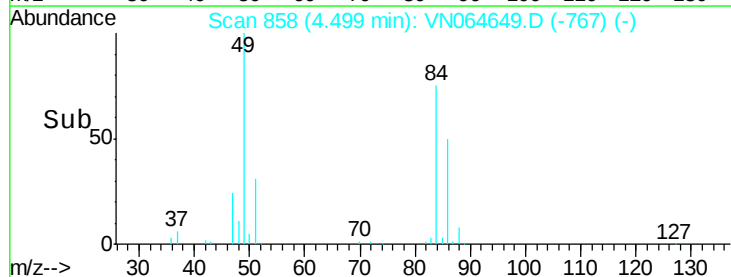
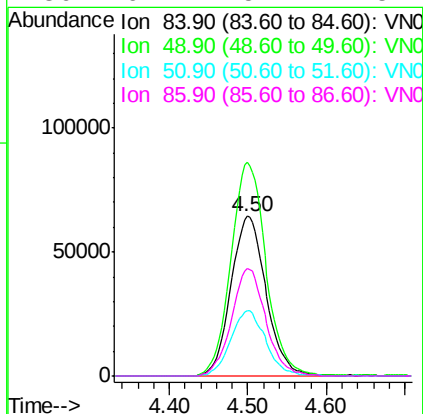
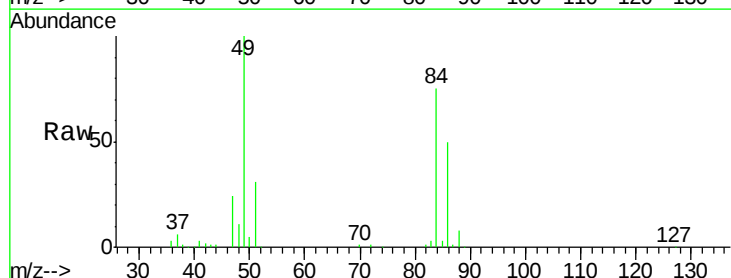
Tot Ion: 73 Resp: 601400
 Ion Ratio Lower Upper
 73 100
 57 20.4 17.7 26.5

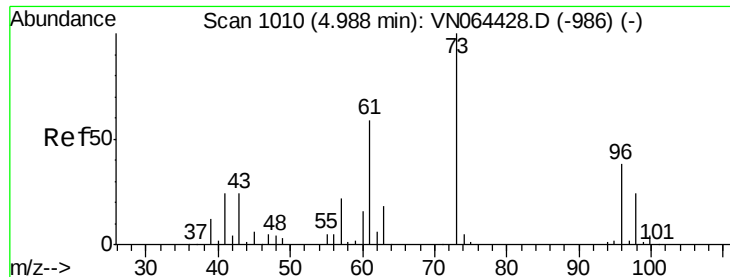


#20

Methylene Chloride
 Concen: 46.177 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 84 Resp: 200829
 Ion Ratio Lower Upper
 84 100
 49 133.7 110.1 165.1
 51 40.8 33.6 50.4
 86 67.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 47.606 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

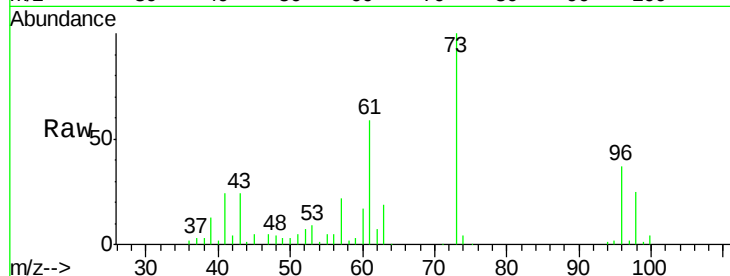
Tot Ion: 96 Resp: 190983

Ion Ratio Lower Upper

96 100

61 158.1 122.4 183.6

98 65.6 50.4 75.6

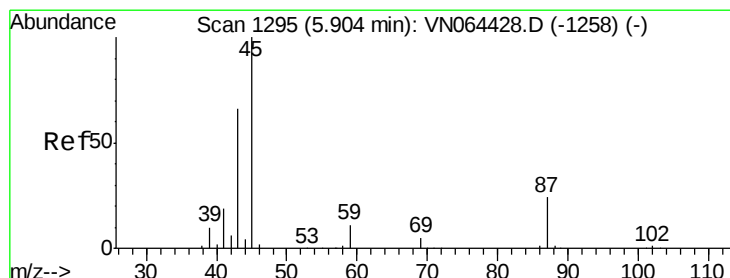
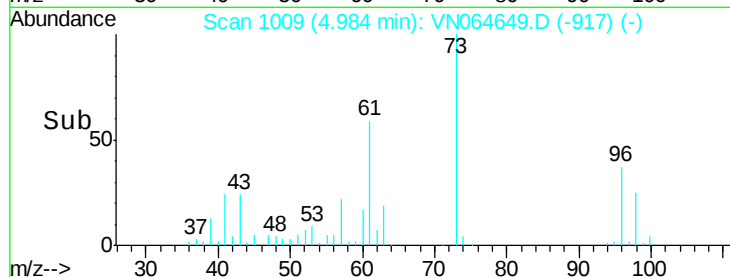
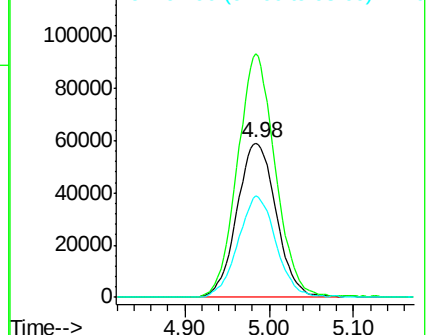


Abundance

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: 47.363 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Tgt Ion: 45 Resp: 694896

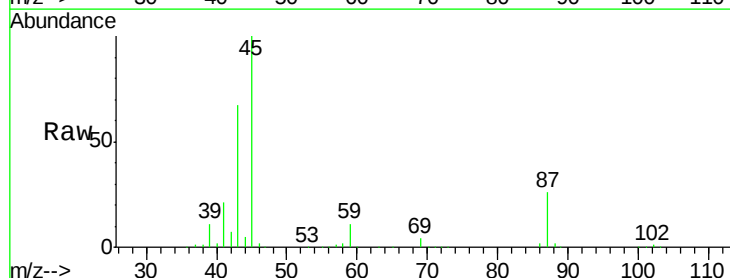
Ion Ratio Lower Upper

45 100

43 65.6 53.2 79.8

87 25.6 19.9 29.9

59 11.1 8.6 13.0



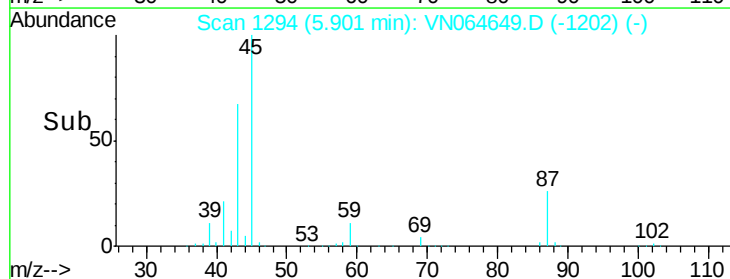
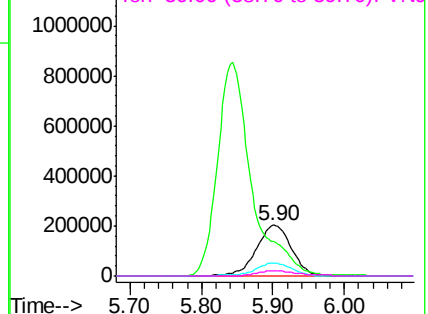
Abundance

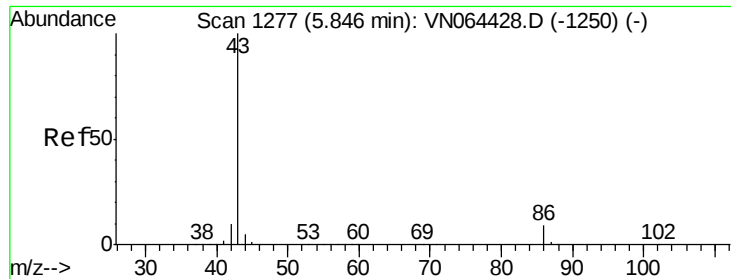
Ion 45.00 (44.70 to 45.70): VN0

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: 238.958 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

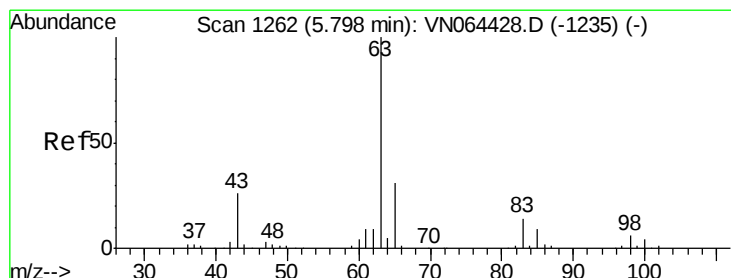
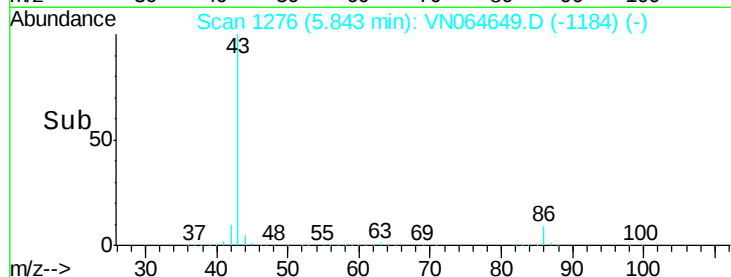
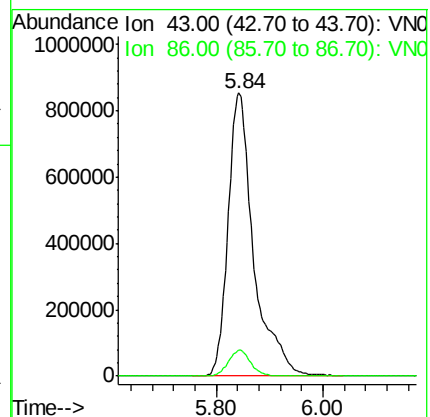
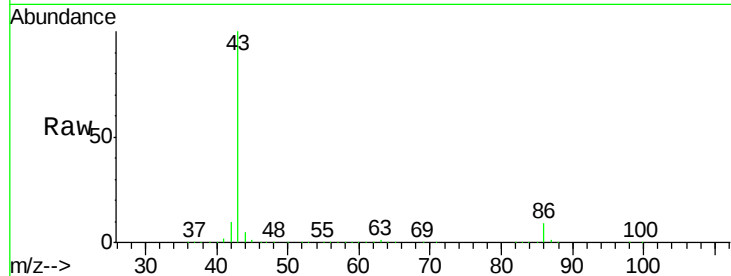
VSTDCCC050

Tot Ion: 43 Resp: 2852080

Ion Ratio Lower Upper

43 100

86 9.1 6.8 10.2



#24

1,1-Dichloroethane

Concen: 47.471 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

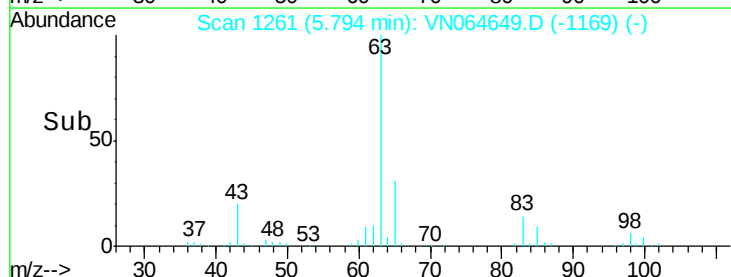
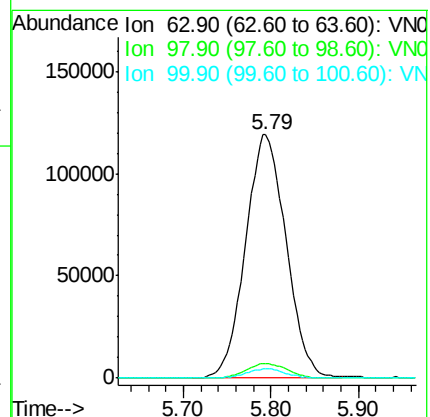
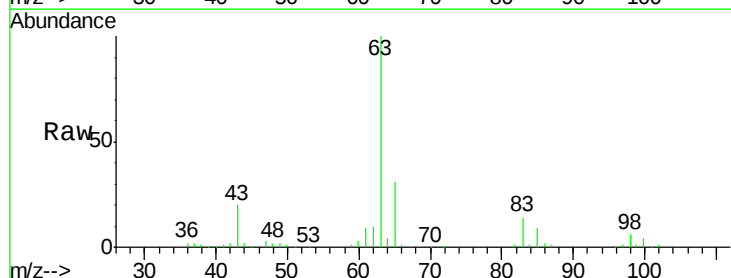
Tgt Ion: 63 Resp: 382723

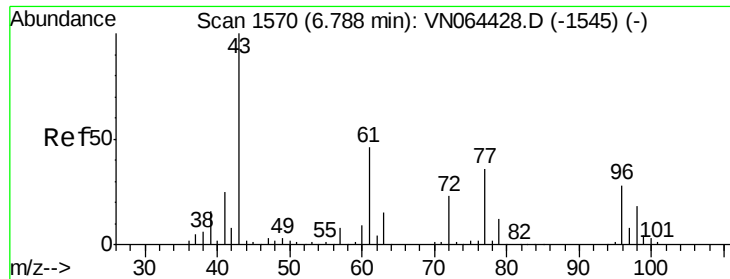
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.8 1.8 5.3





#25

2-Butanone

Concen: 253.239 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

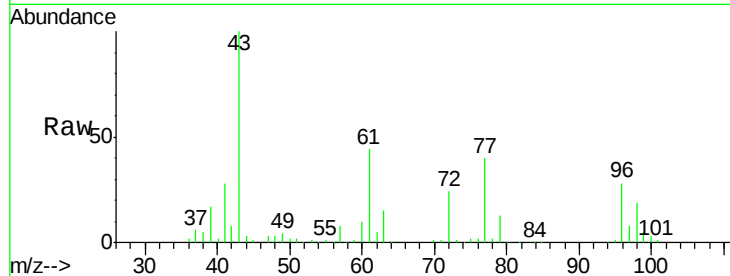
VSTDCCC050

Tot Ion: 43 Resp: 707279

Ion Ratio Lower Upper

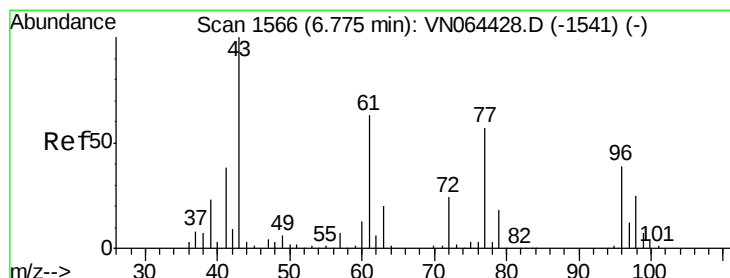
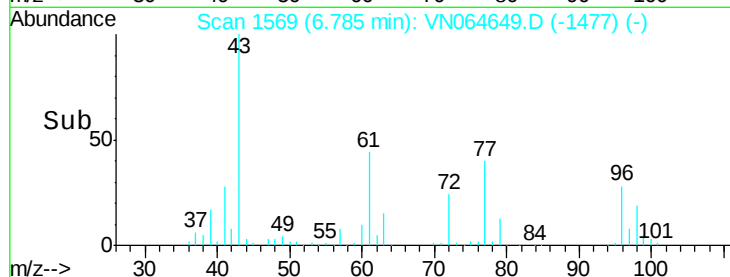
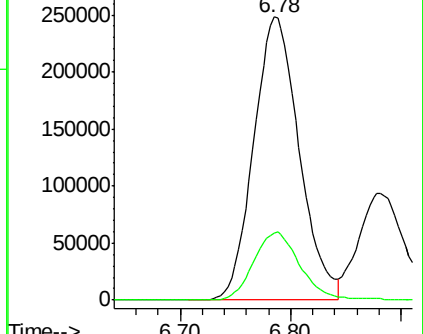
43 100

72 23.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.948 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064649.D

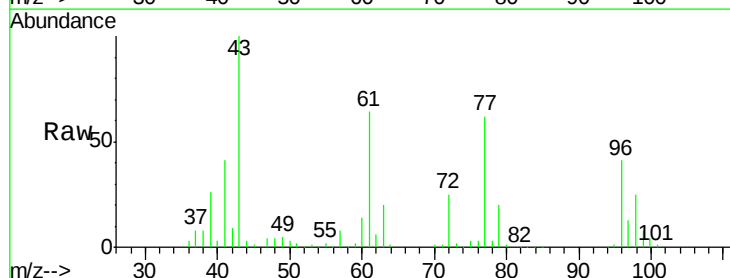
Acq: 16 Nov 2020 9:21

Tgt Ion: 77 Resp: 371835

Ion Ratio Lower Upper

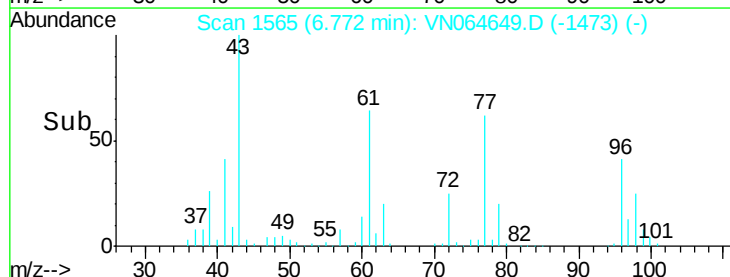
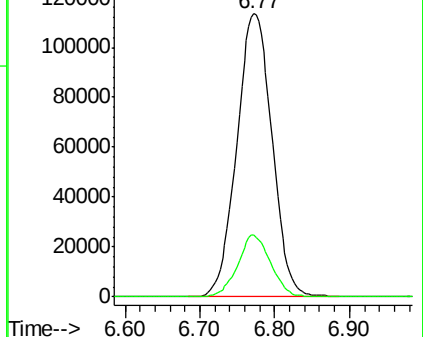
77 100

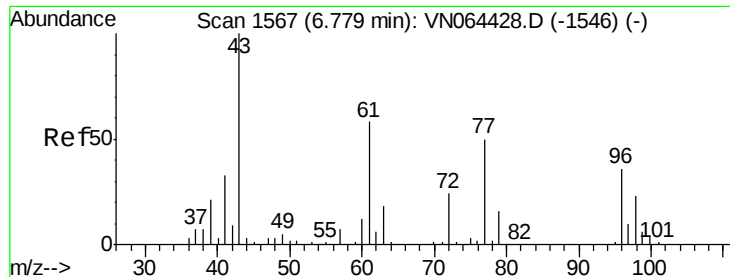
97 20.4 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.463 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

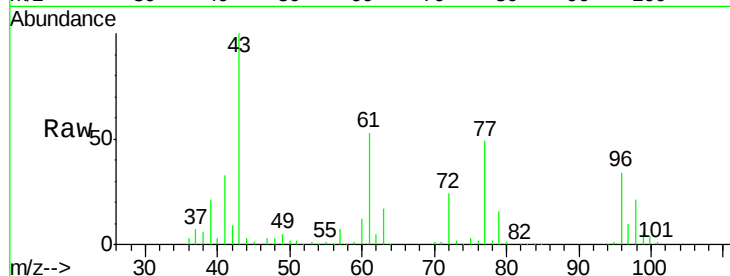
Tot Ion: 96 Resp: 220637

Ion Ratio Lower Upper

96 100

61 160.1 0.0 329.6

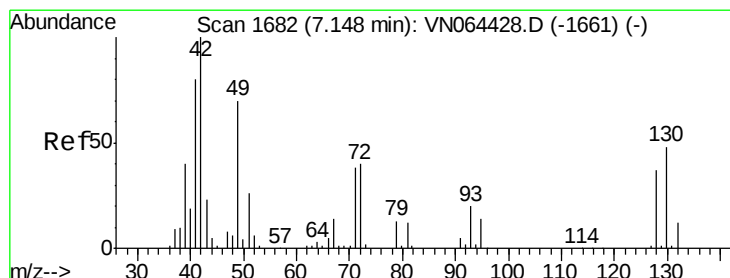
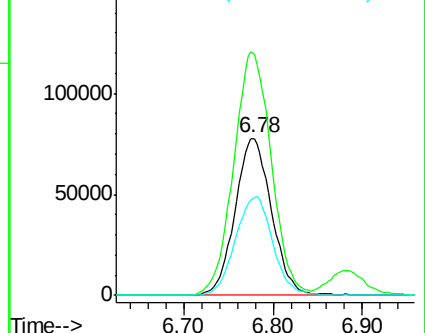
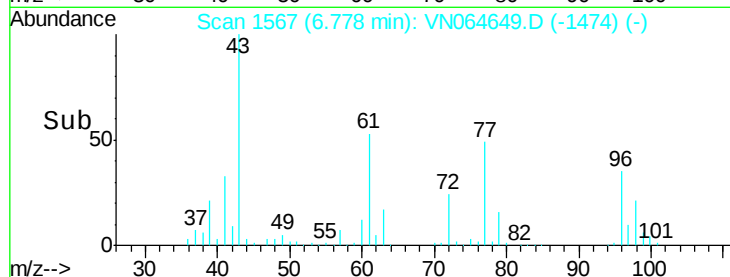
98 64.5 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN064649.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064649.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064649.D (-1474) (-)



#28

Bromochloromethane

Concen: 44.761 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

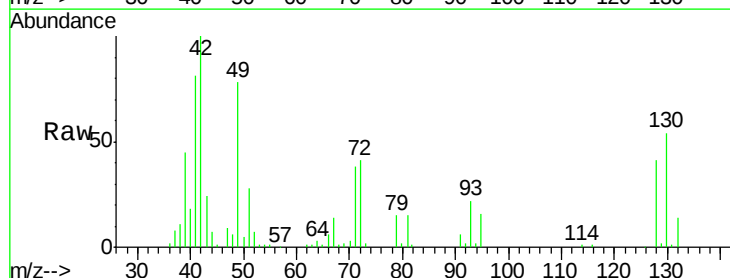
Tgt Ion: 49 Resp: 177384

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.6

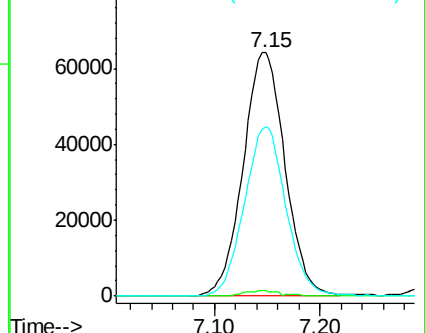
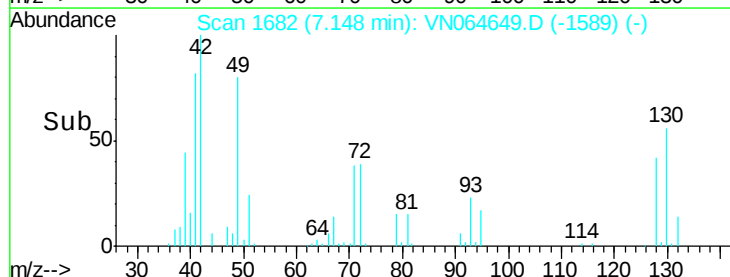
130 69.1 54.2 81.4

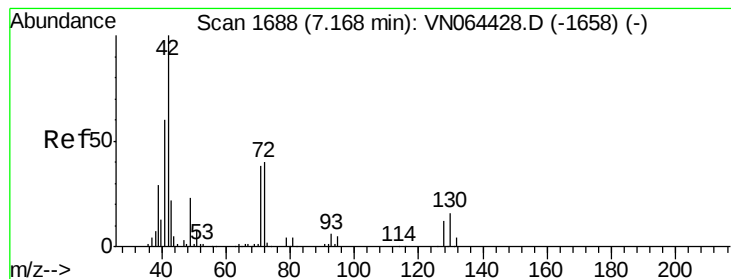


Abundance Ion 48.90 (48.60 to 49.60): VN064649.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064649.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064649.D (-1589) (-)





#29

Tetrahydrofuran

Concen: 230.107 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

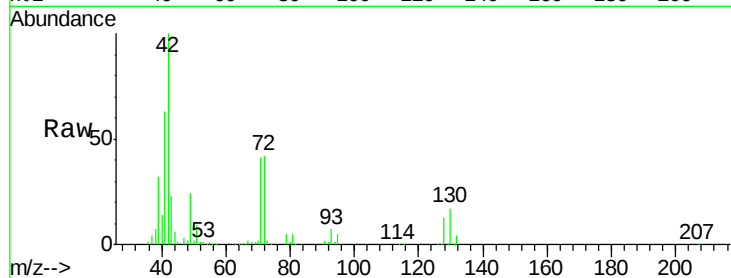
Tot Ion: 42 Resp: 394295

Ion Ratio Lower Upper

42 100

72 41.0 31.7 47.5

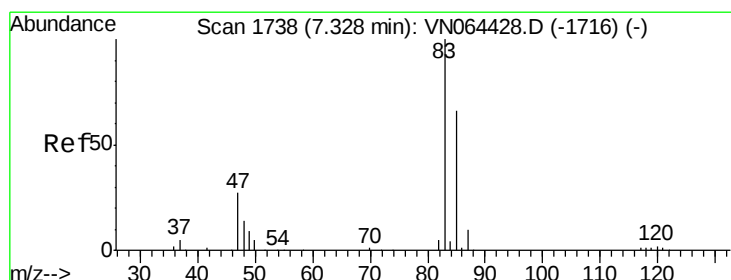
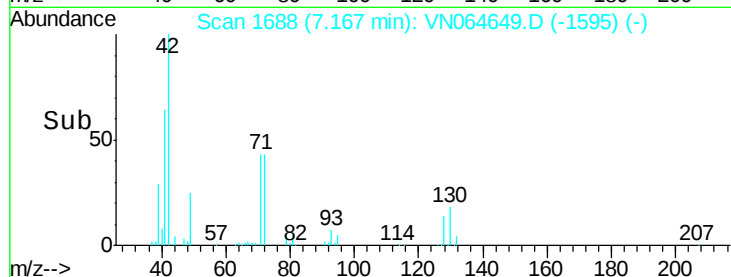
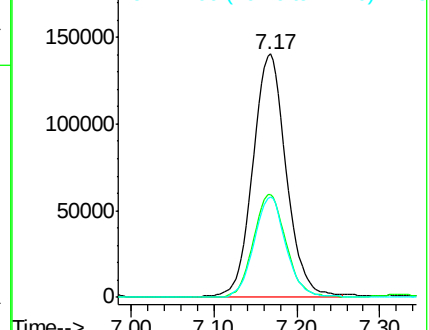
71 39.1 29.8 44.6



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: 49.587 ug/l

RT: 7.32 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN064649.D

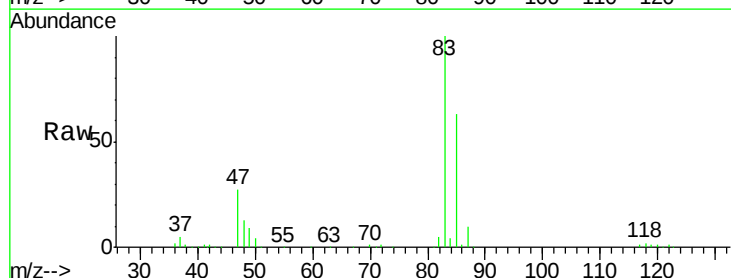
Acq: 16 Nov 2020 9:21

Tgt Ion: 83 Resp: 420235

Ion Ratio Lower Upper

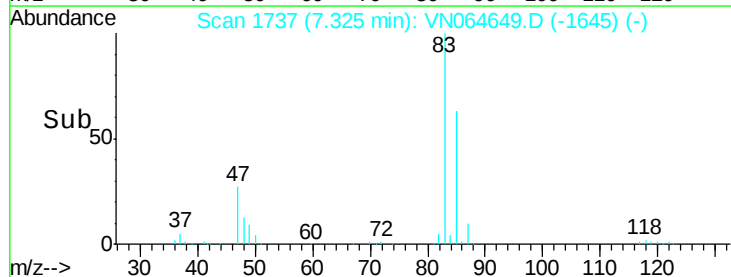
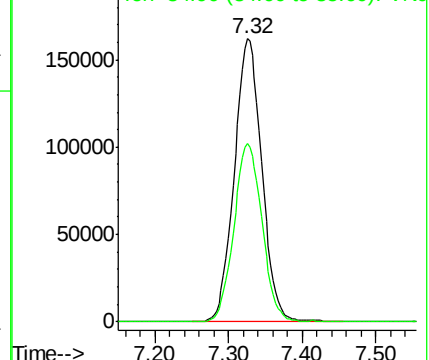
83 100

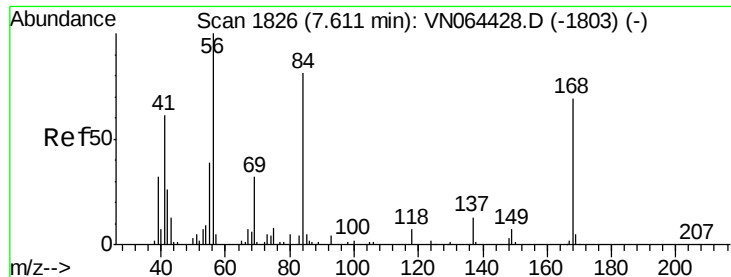
85 62.9 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

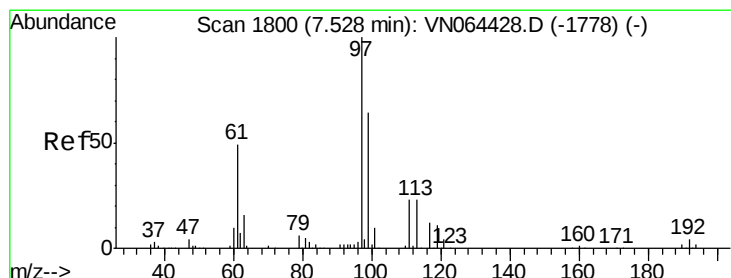
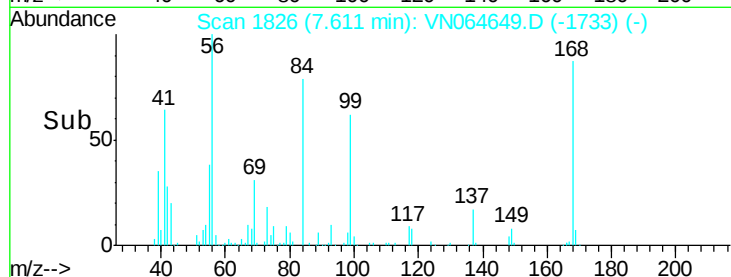
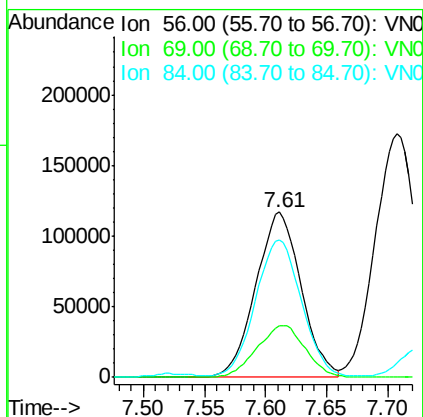
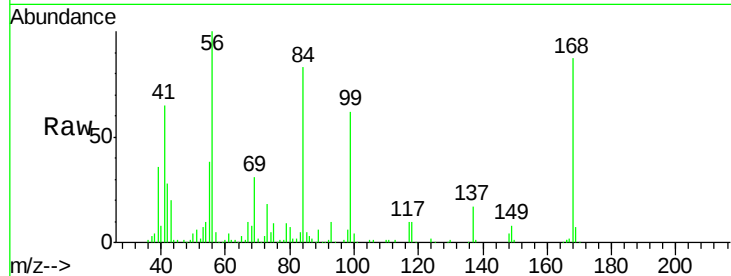




#31
Cyclohexane
Concen: 43.183 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

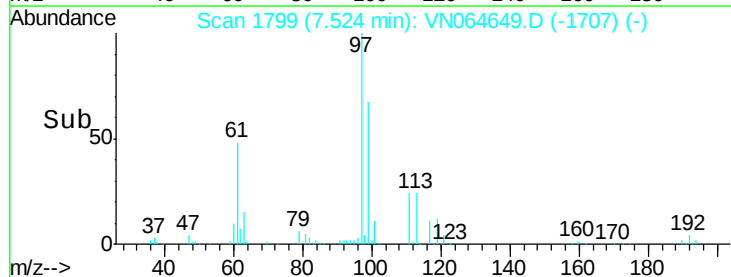
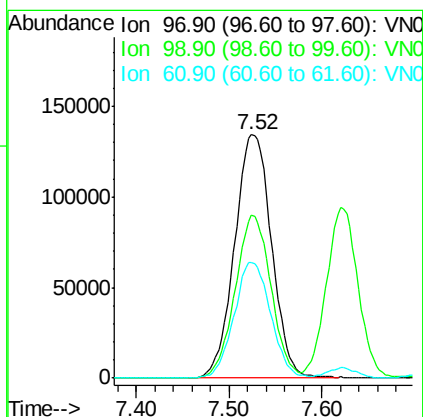
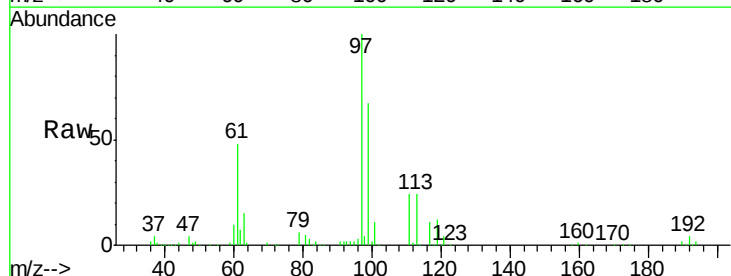
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

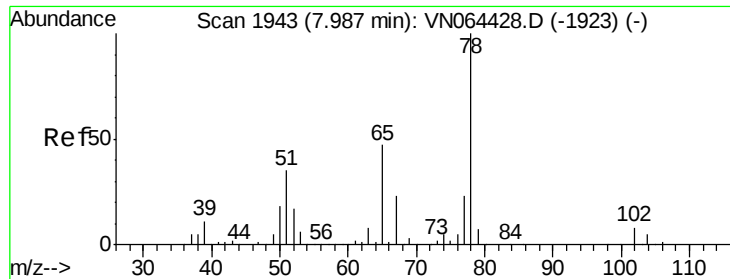
Tot Ion: 56 Resp: 302076
Ion Ratio Lower Upper
56 100
69 31.2 25.6 38.4
84 81.3 63.0 94.6



#32
1,1,1-Trichloroethane
Concen: 49.460 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 97 Resp: 371768
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 47.2 39.1 58.7

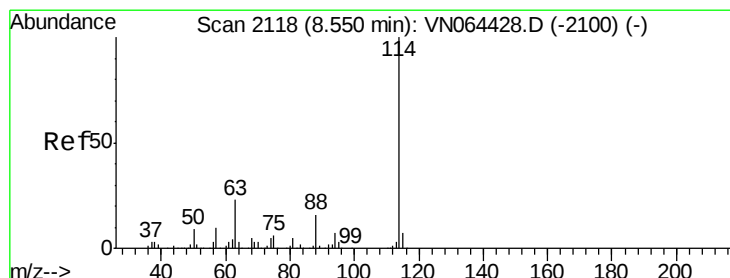
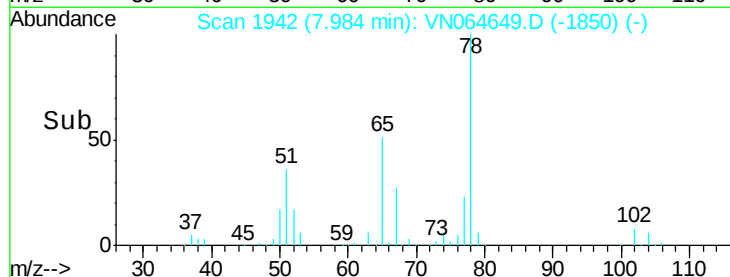
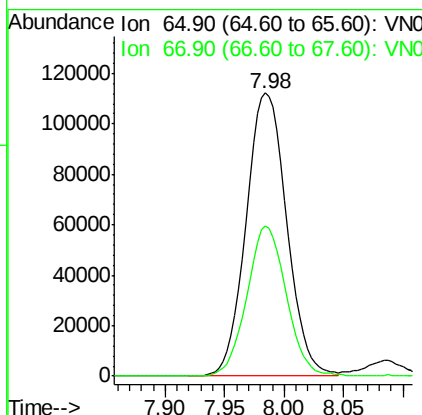
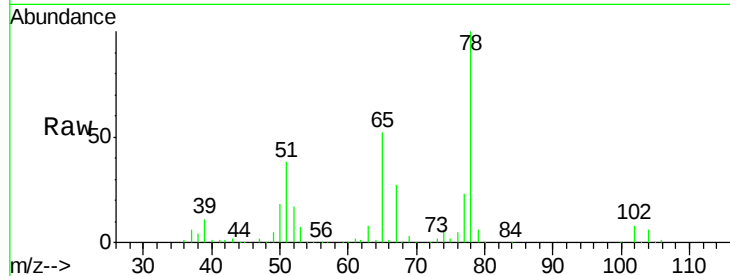




#33
 1,2-Dichloroethane-d4
 Concen: 46.257 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

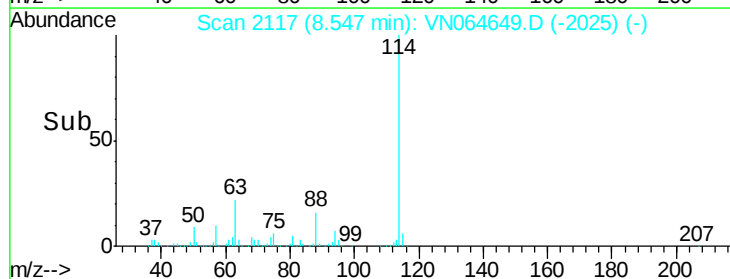
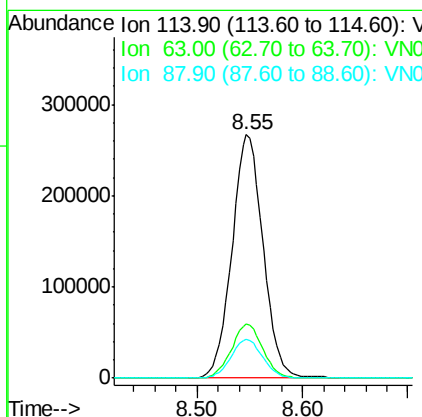
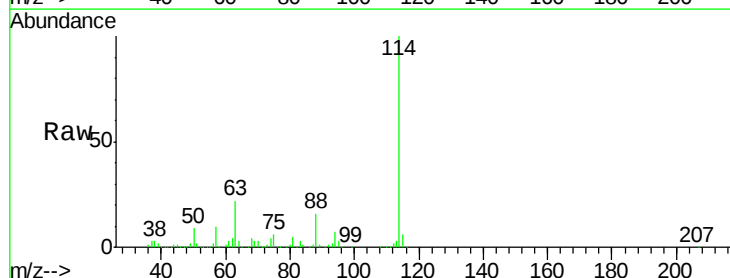
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

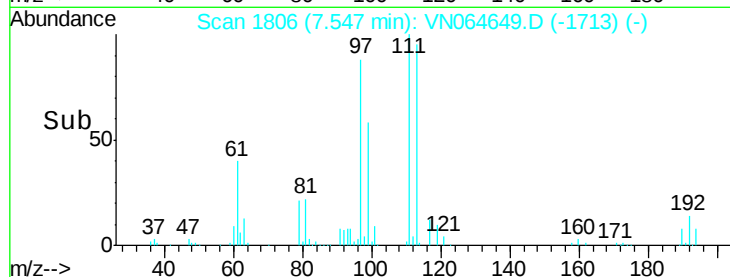
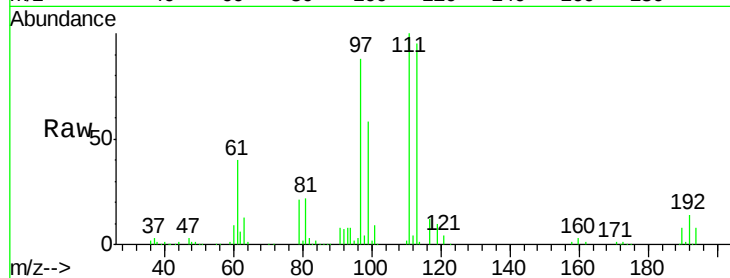
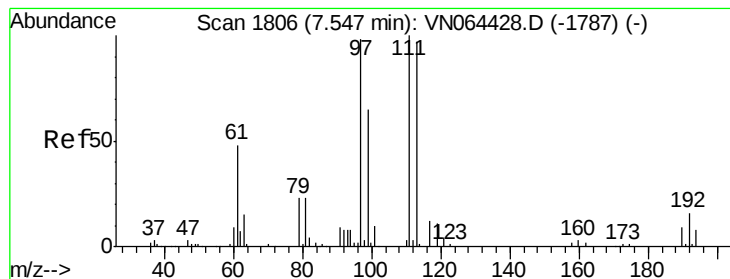
Tot Ion: 65 Resp: 266187
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 114 Resp: 544685
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 45.6
 88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.270 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

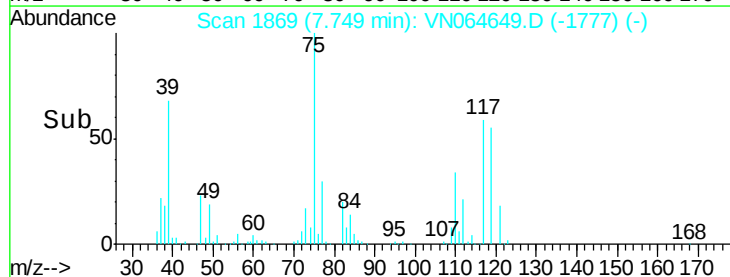
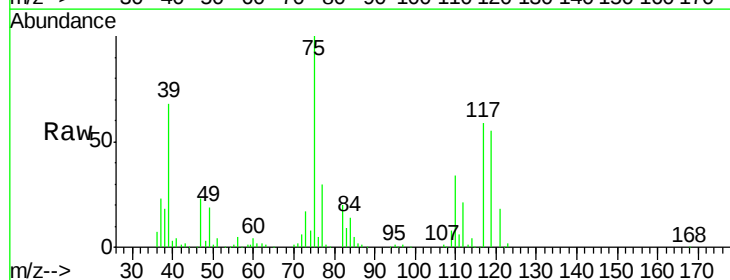
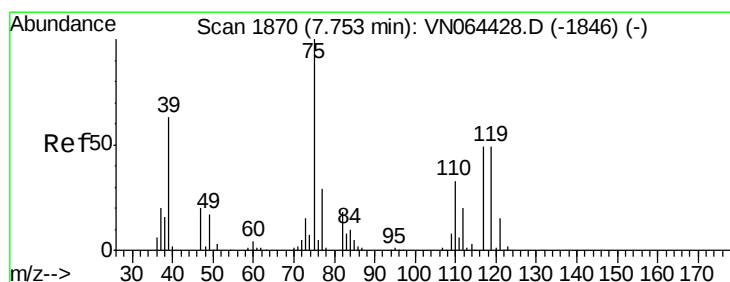
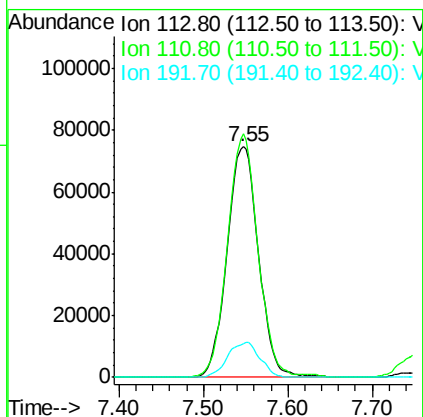
Tot Ion:113 Resp: 193846

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

192 15.7 12.8 19.2



#36

1,1-Dichloropropene

Concen: 51.350 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

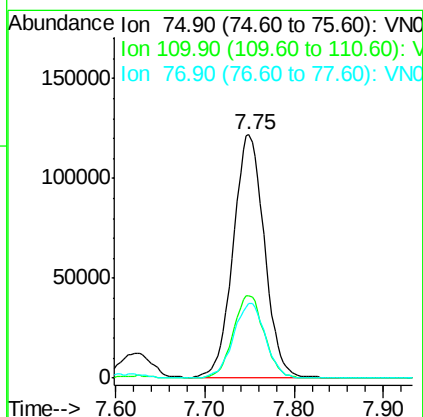
Tgt Ion: 75 Resp: 295477

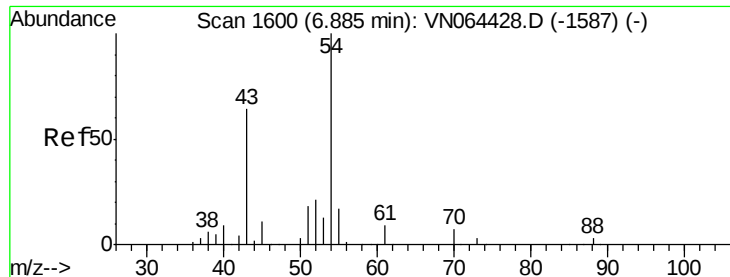
Ion Ratio Lower Upper

75 100

110 33.9 16.0 48.0

77 30.9 24.0 36.0

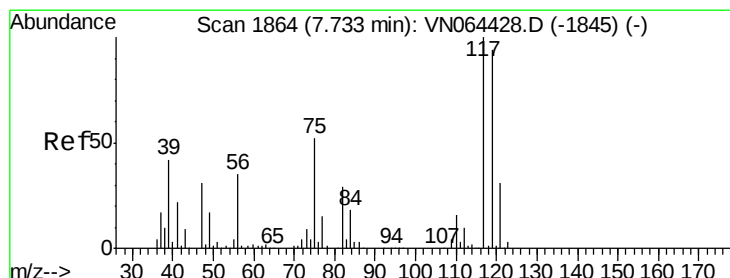
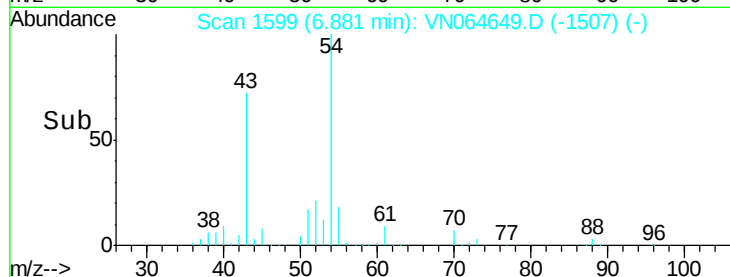
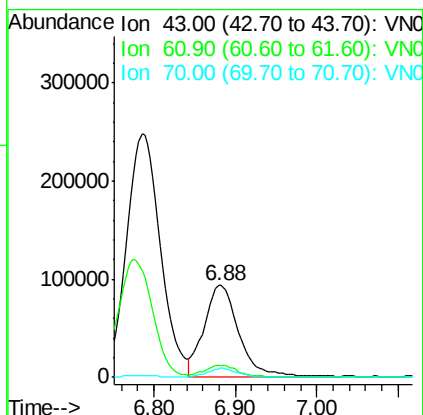
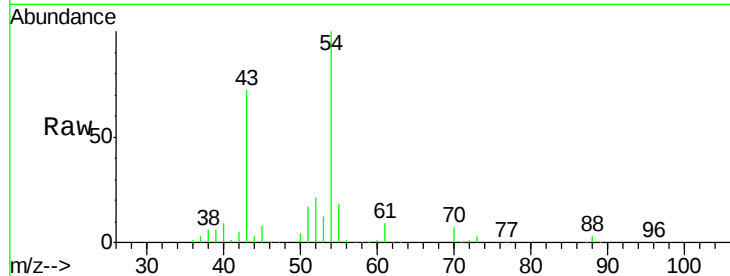




#37
Ethyl Acetate
Concen: 47.129 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

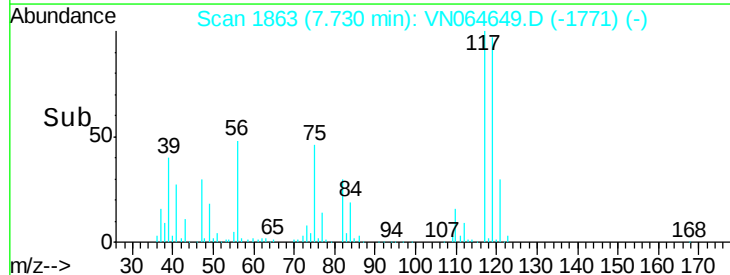
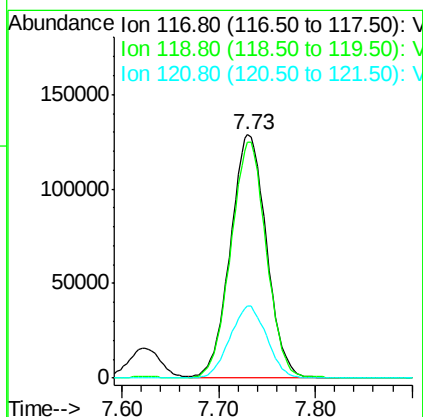
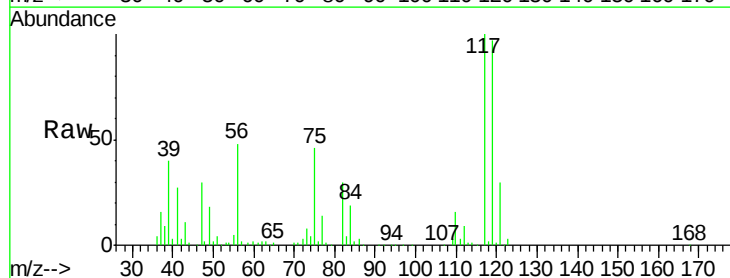
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

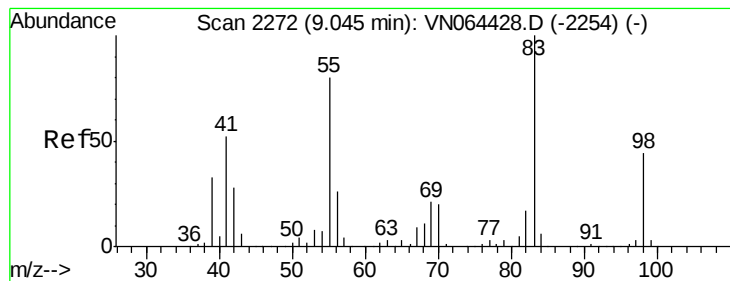
Tot Ion: 43 Resp: 274980
Ion Ratio Lower Upper
43 100
61 12.8 10.0 15.0
70 8.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 54.049 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 117 Resp: 332390
Ion Ratio Lower Upper
117 100
119 96.9 75.5 113.3
121 29.8 24.4 36.6





#39

Methvlcvclohexane

Concen: 53.378 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

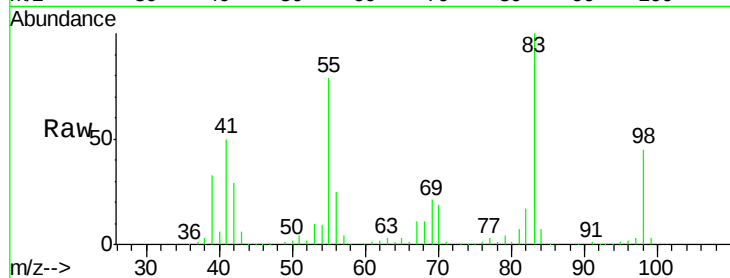
Tot Ion: 83 Resp: 275339

Ion Ratio Lower Upper

83 100

55 79.4 63.8 95.6

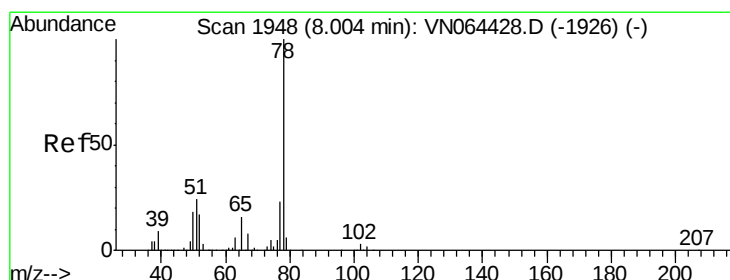
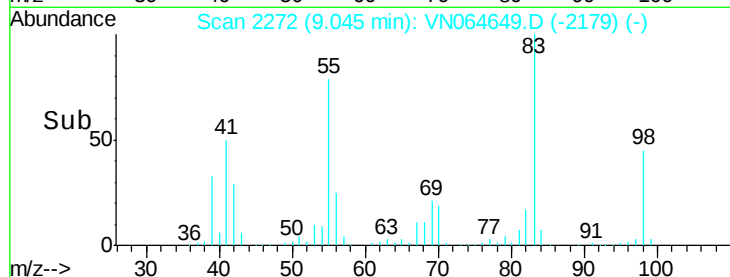
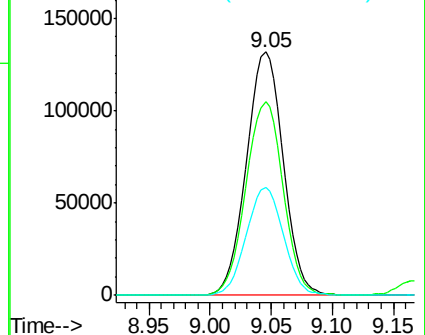
98 44.6 35.4 53.2



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: 50.696 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064649.D

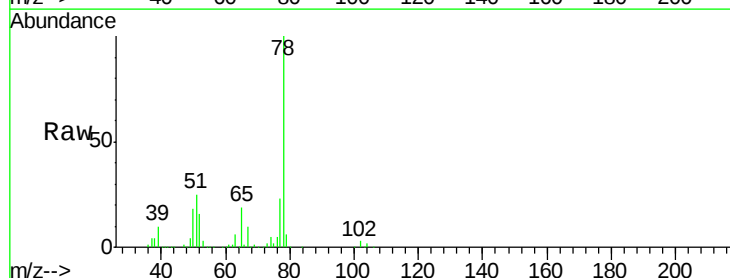
Acq: 16 Nov 2020 9:21

Tgt Ion: 78 Resp: 857215

Ion Ratio Lower Upper

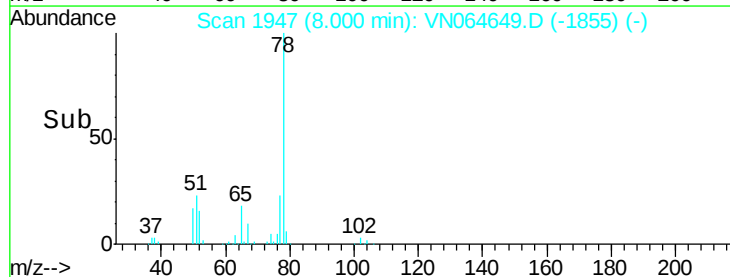
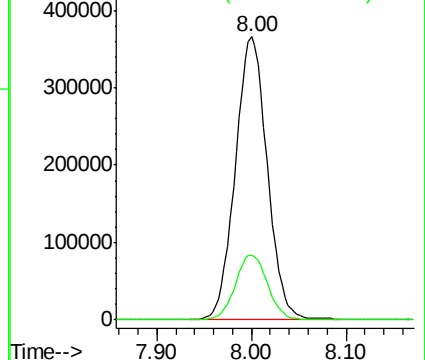
78 100

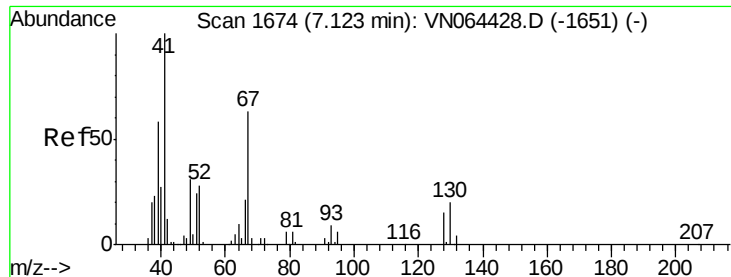
77 22.9 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

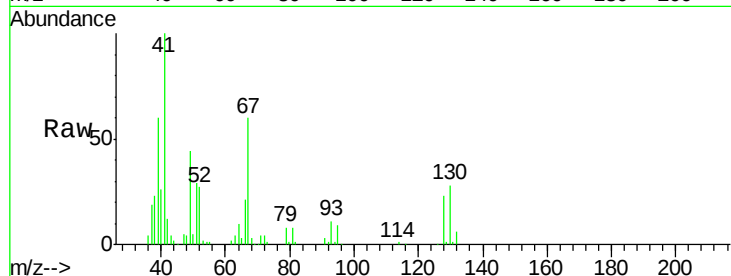




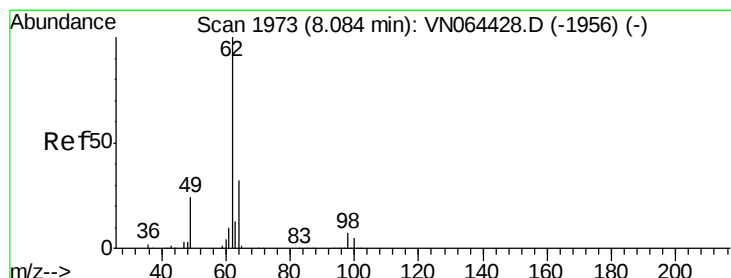
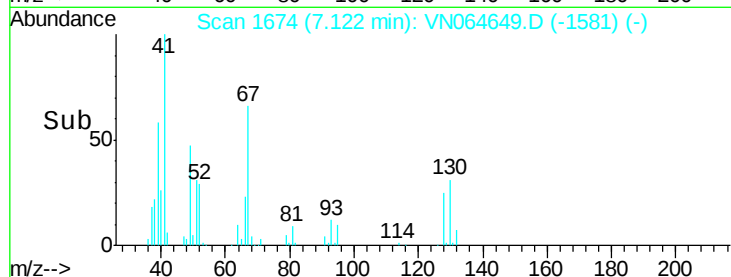
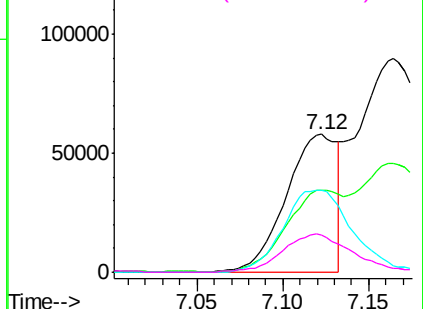
#41
Methacrylonitrile
Concen: 46.497 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	118619
Ion	Ratio	Lower	Upper
41	100		
39	64.9	50.0	75.0
67	82.7	68.3	102.5
52	39.2	32.7	49.1

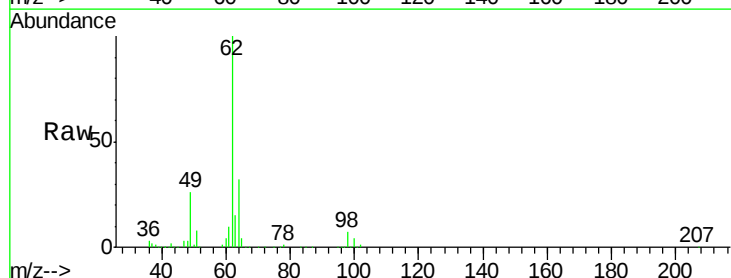


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

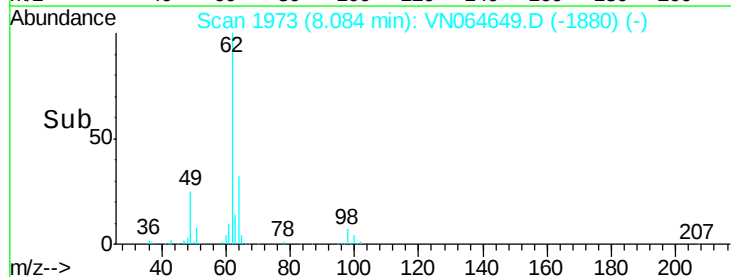
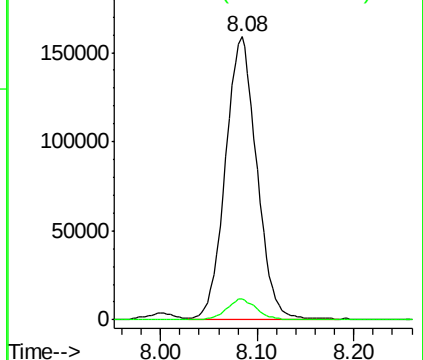


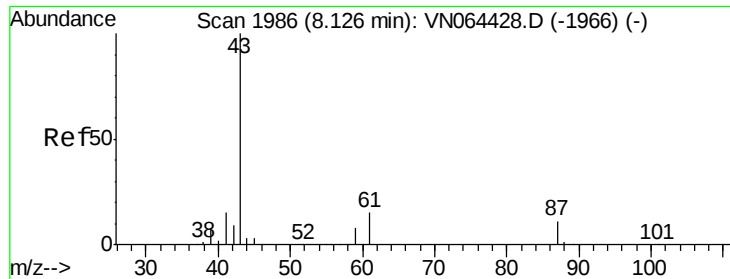
#42
1,2-Dichloroethane
Concen: 52.145 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion:	62	Resp:	355824
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	14.0



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





#43

Isopropyl Acetate

Concen: 48.701 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

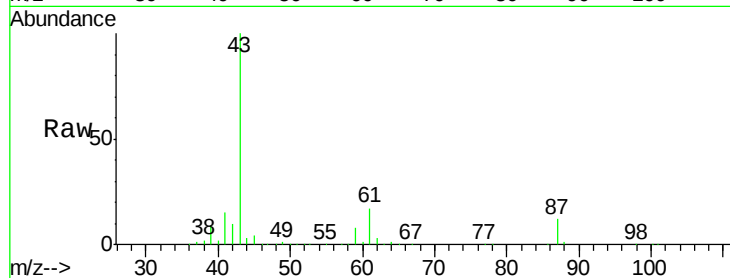
Tot Ion: 43 Resp: 454147

Ion Ratio Lower Upper

43 100

61 17.5 14.0 21.0

87 12.0 9.1 13.7

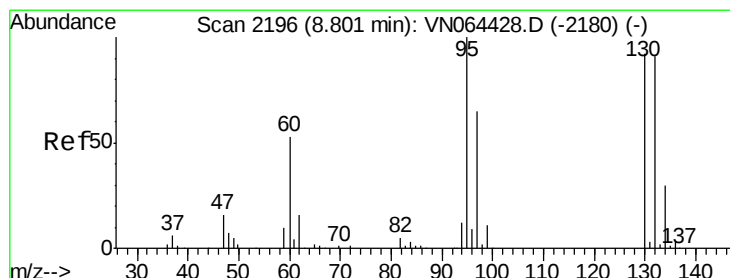
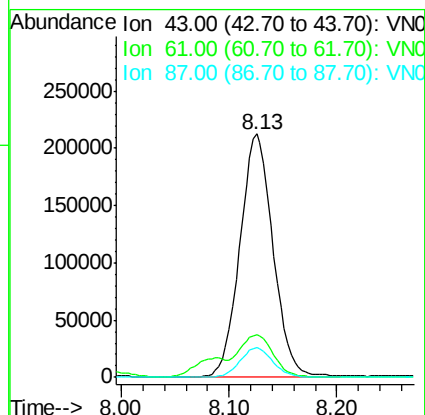
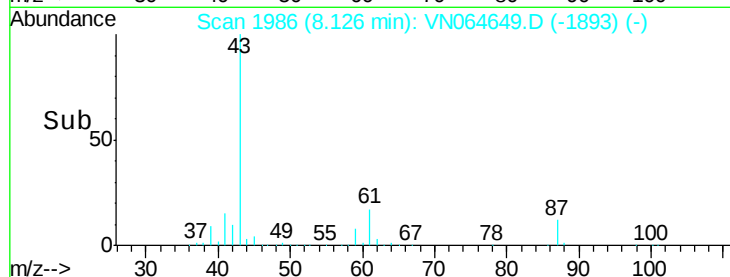


Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 50.092 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064649.D

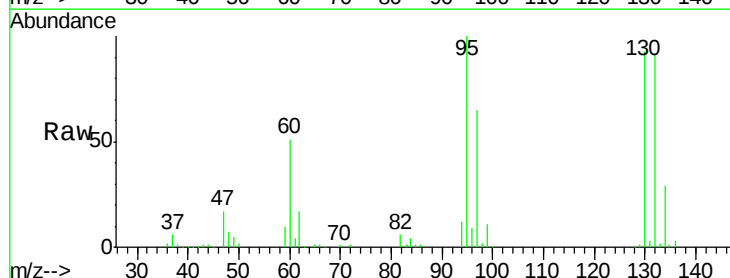
Acq: 16 Nov 2020 9:21

Tgt Ion: 130 Resp: 213695

Ion Ratio Lower Upper

130 100

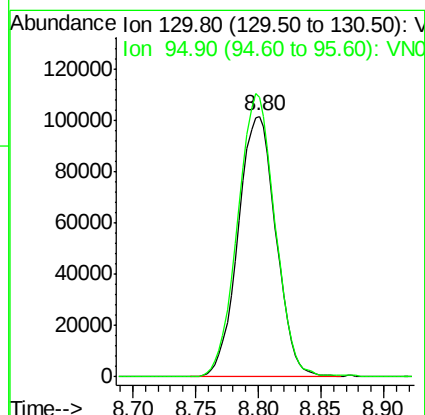
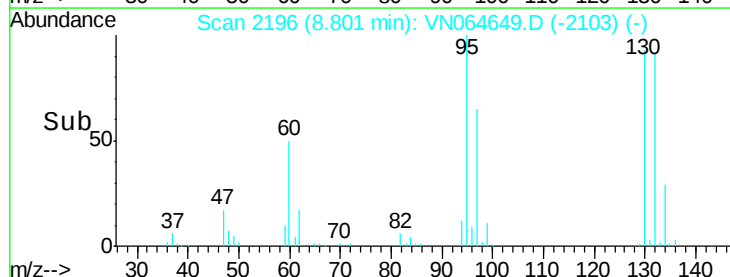
95 107.4 0.0 216.8

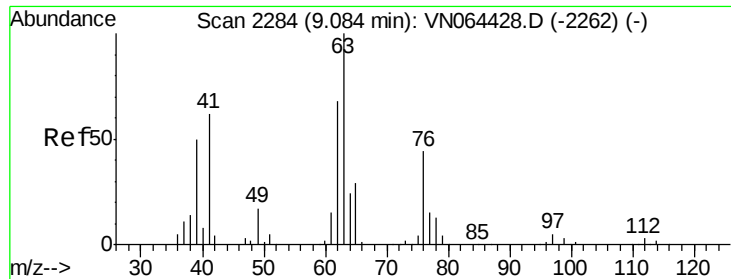


Abundance Ion 129.80 (129.50 to 130.50): VN064428.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064428.D (-2180) (-)

Time-->

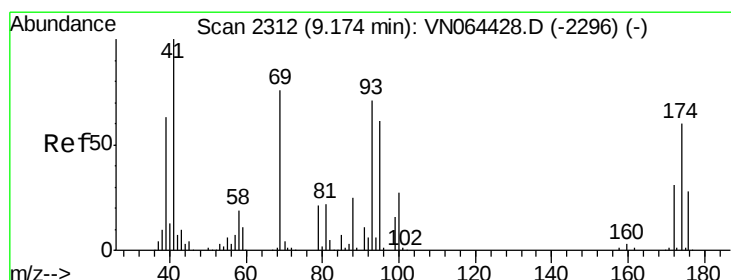
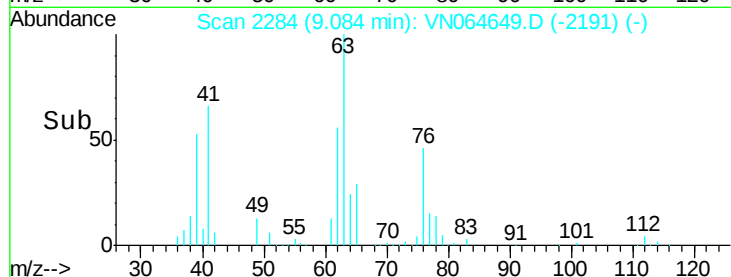
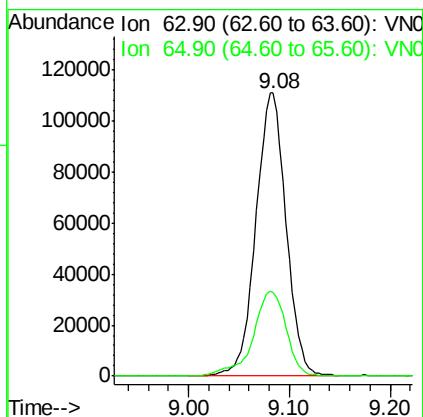
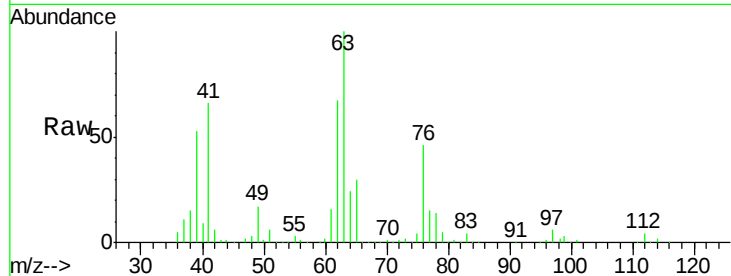




#45
 1,2-Dichloropropane
 Concen: 51.126 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

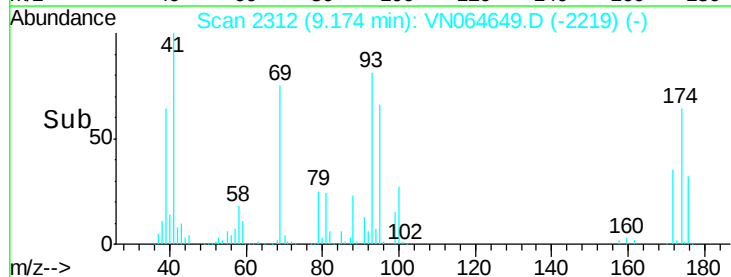
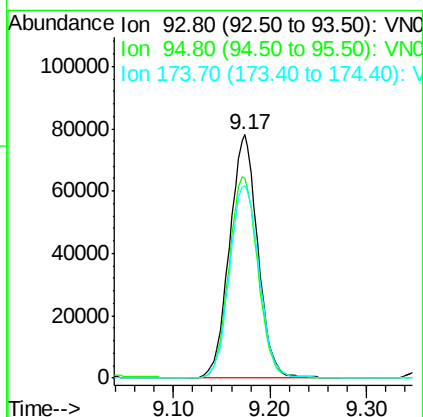
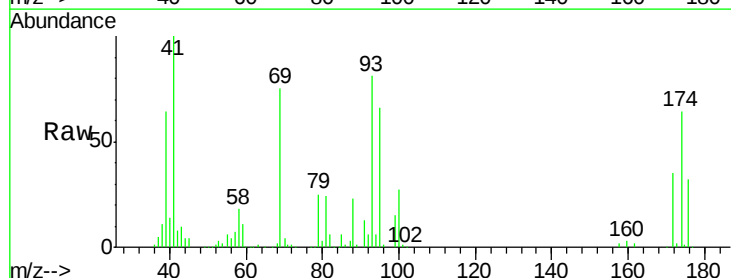
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

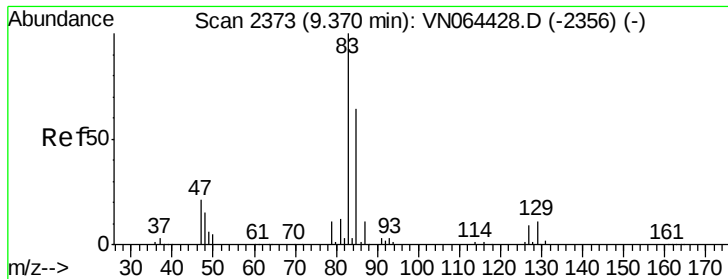
Tot Ion: 63 Resp: 230664
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.6 35.4



#46
 Dibromomethane
 Concen: 53.362 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 93 Resp: 158484
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.4 99.6
 174 82.7 67.2 100.8





#47

Bromodichloromethane

Concen: 53.403 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

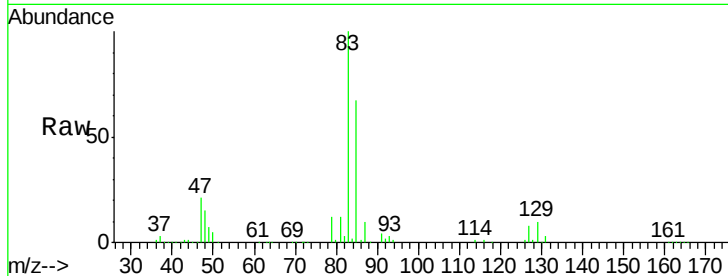
Tot Ion: 83 Resp: 341034

Ion Ratio Lower Upper

83 100

85 67.3 51.2 76.8

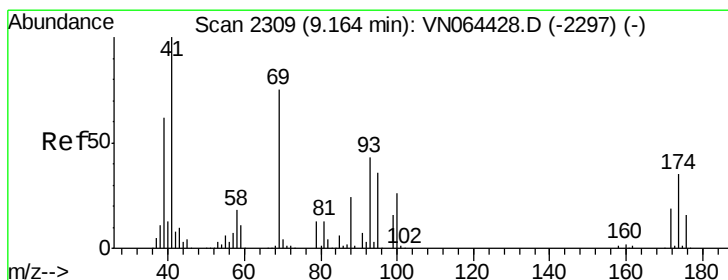
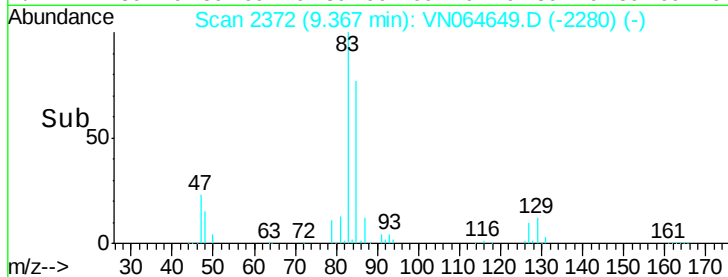
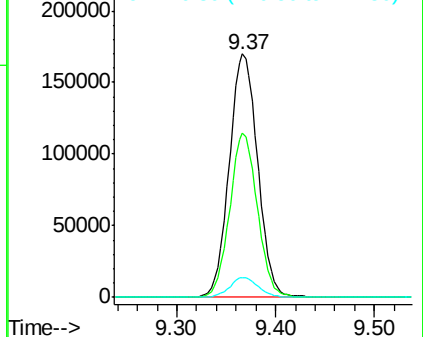
127 8.3 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN064649.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064649.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064649.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.465 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

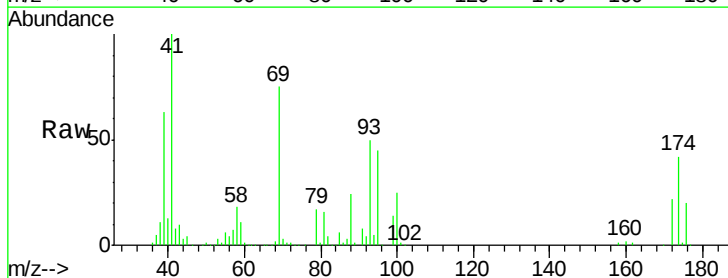
Tgt Ion: 41 Resp: 232757

Ion Ratio Lower Upper

41 100

69 76.7 60.4 90.6

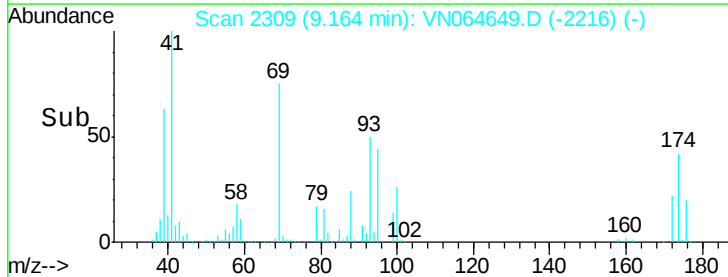
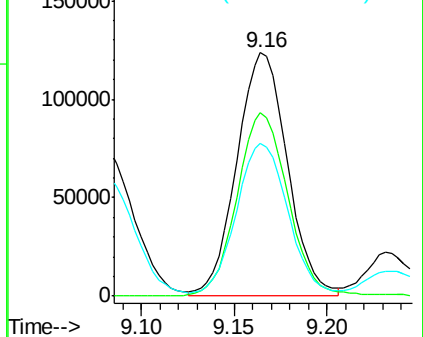
39 64.1 51.2 76.8

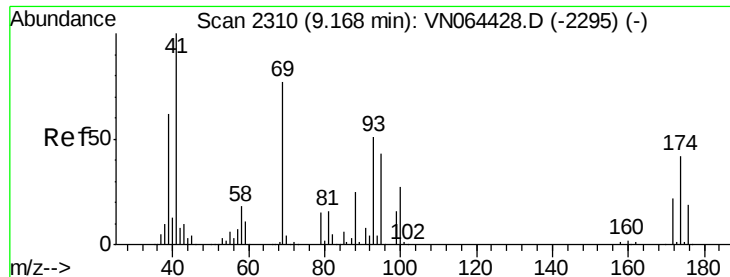


Abundance Ion 41.00 (40.70 to 41.70): VN064649.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064649.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064649.D (-2216) (-)





#49

1,4-Dioxane

Concen: 968.290 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

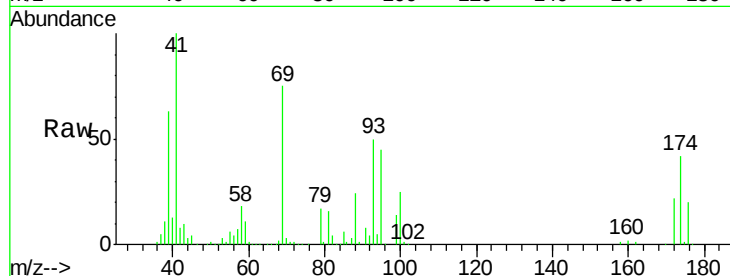
Tot Ion: 88 Resp: 60013

Ion Ratio Lower Upper

88 100

43 40.8 31.0 46.6

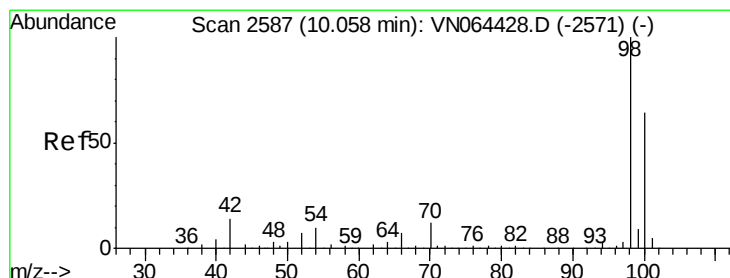
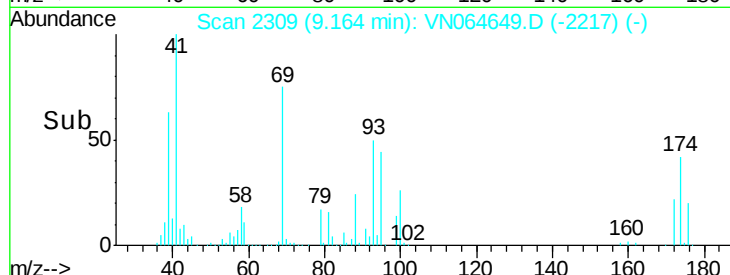
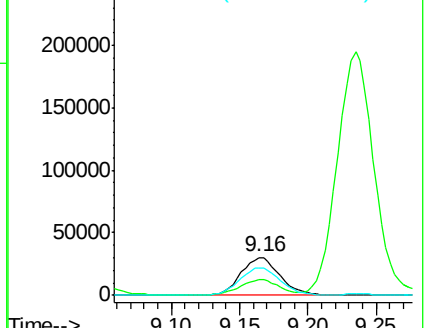
58 76.4 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN064428.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN064428.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2295) (-)



#50

Toluene-d8

Concen: 51.191 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064649.D

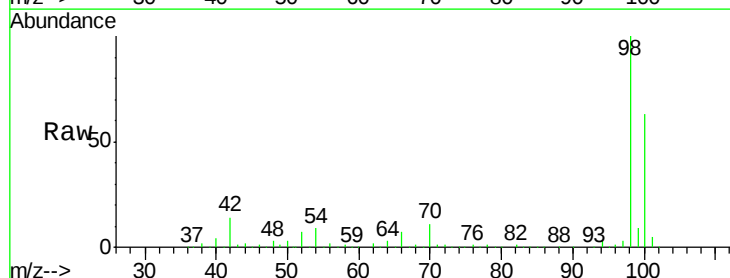
Acq: 16 Nov 2020 9:21

Tgt Ion: 98 Resp: 733749

Ion Ratio Lower Upper

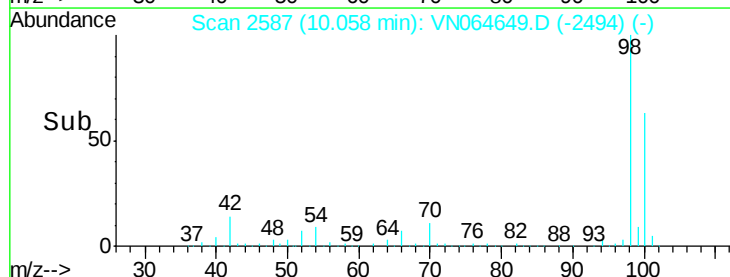
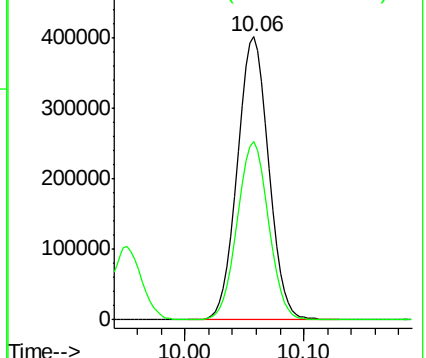
98 100

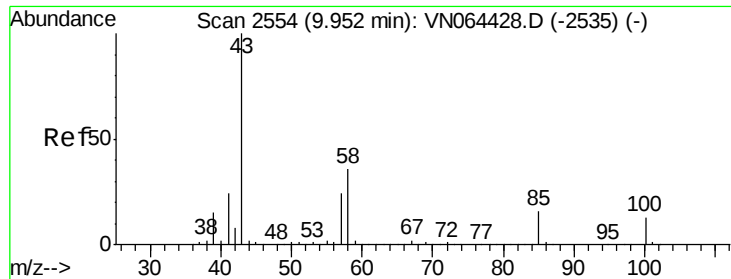
100 62.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 258.213 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

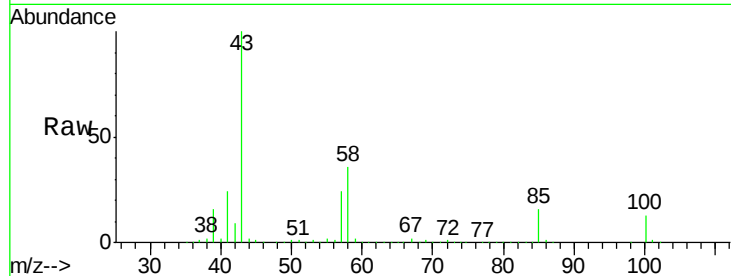
VSTDCCC050

Tot Ion: 43 Resp: 1404211

Ion Ratio Lower Upper

43 100

58 36.4 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

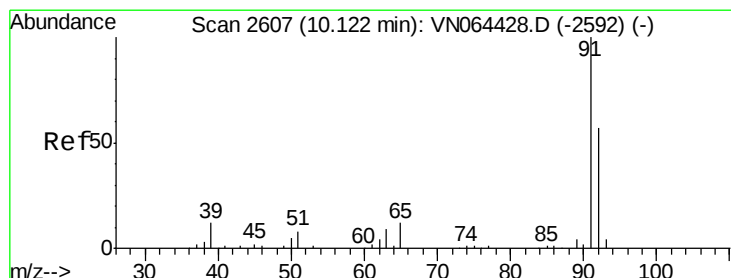
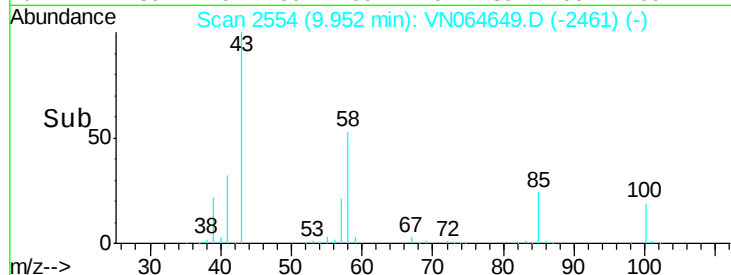
400000

200000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 52.711 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064649.D

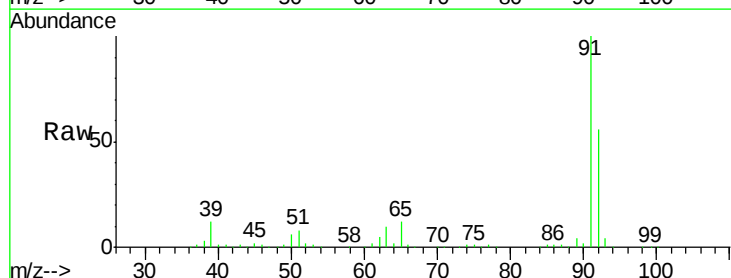
Acq: 16 Nov 2020 9:21

Tgt Ion: 92 Resp: 543607

Ion Ratio Lower Upper

92 100

91 177.2 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

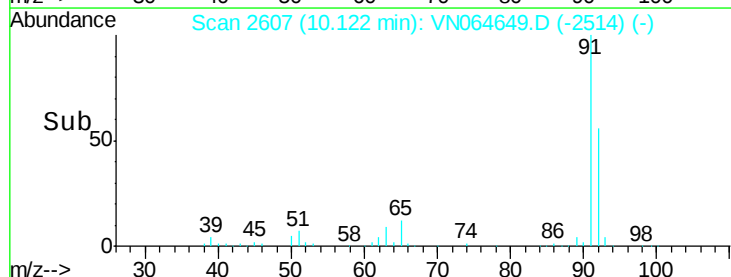
200000

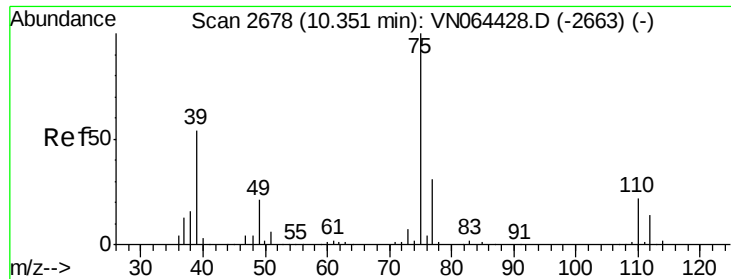
100000

0

10.10 10.12 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.133 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

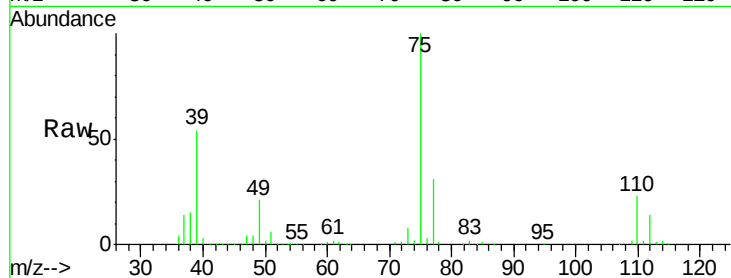
VSTDCCC050

Tot Ion: 75 Resp: 366498

Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

250000

200000

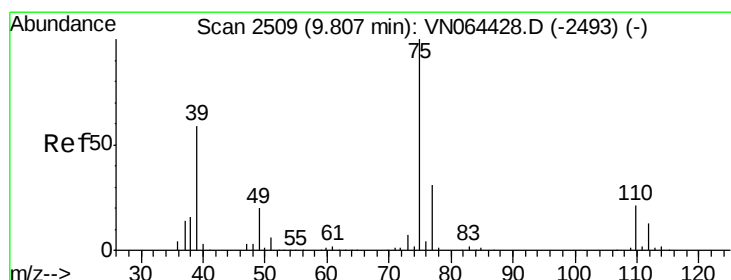
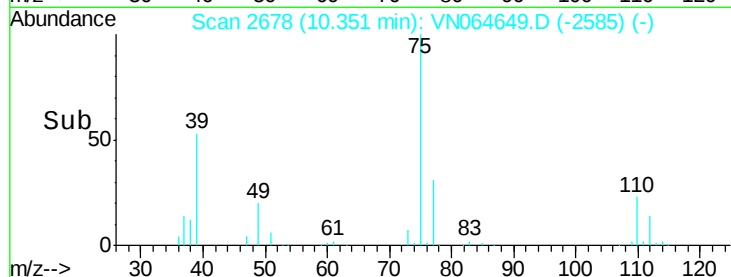
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.610 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

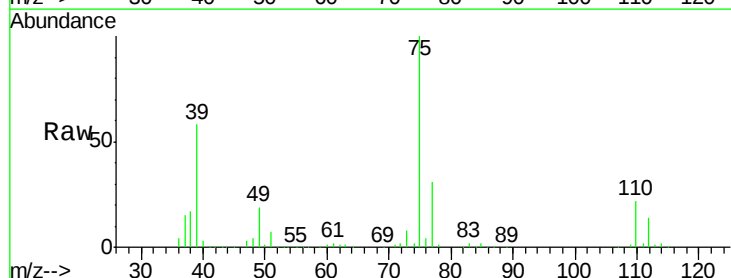
Tgt Ion: 75 Resp: 380826

Ion Ratio Lower Upper

75 100

77 30.7 24.9 37.3

39 57.7 47.1 70.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

250000

200000

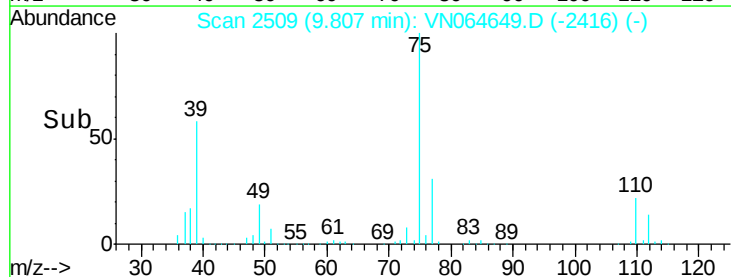
150000

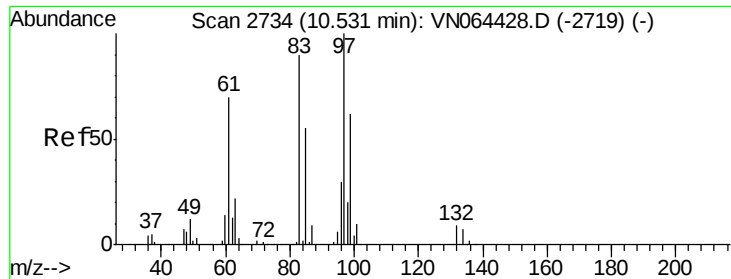
100000

50000

0

Time-->



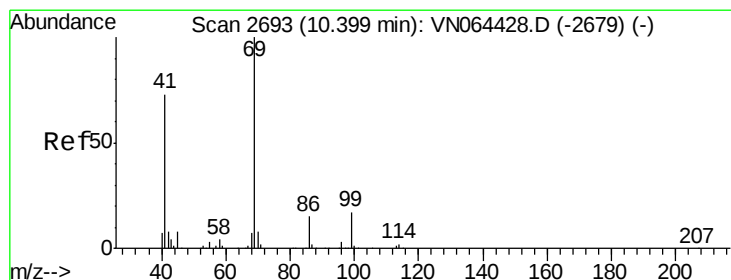
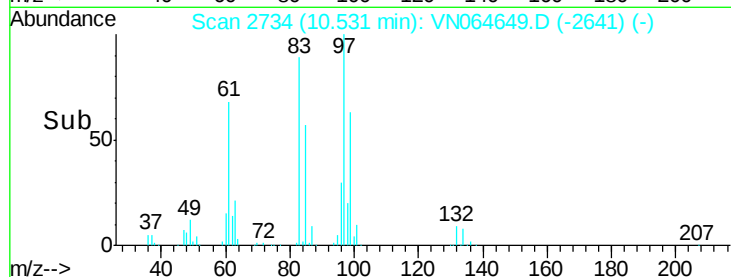
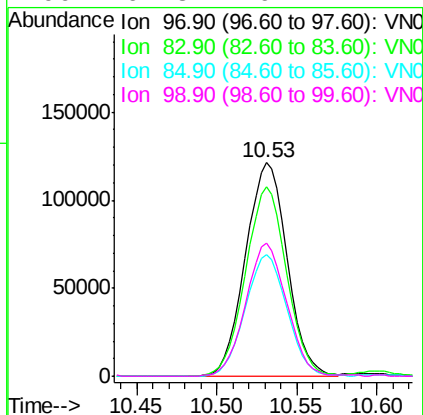
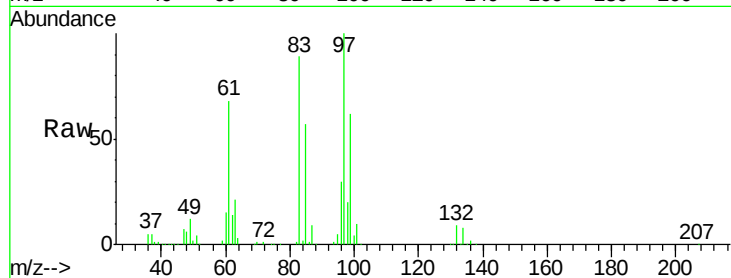


#55
 1,1,2-Trichloroethane
 Concen: 53.734 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 216117

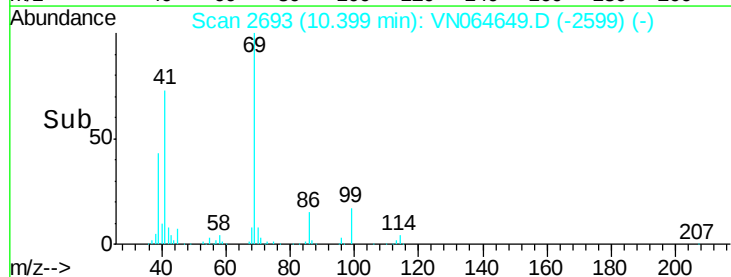
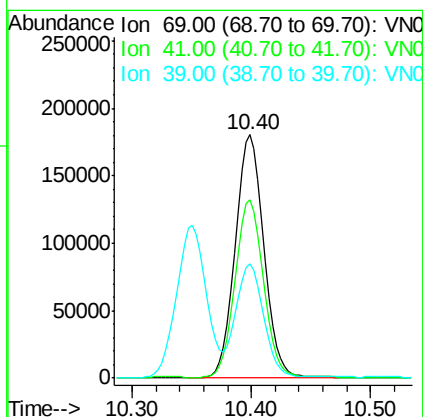
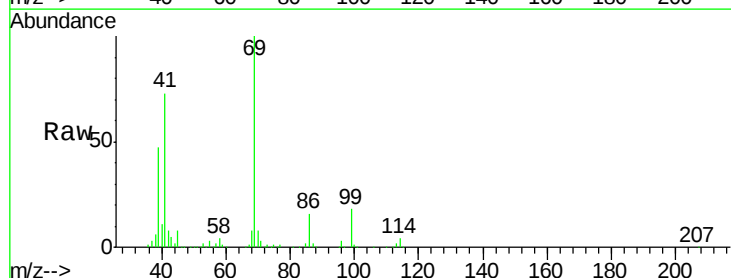
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.7	107.5
85	57.2	44.3	66.5
99	62.3	49.4	74.2

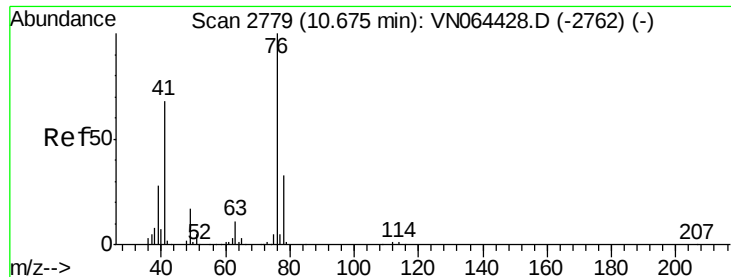


#56
 Ethyl methacrylate
 Concen: 45.755 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 69 Resp: 301706

Ion	Ratio	Lower	Upper
69	100		
41	72.3	59.3	88.9
39	45.3	35.4	53.0

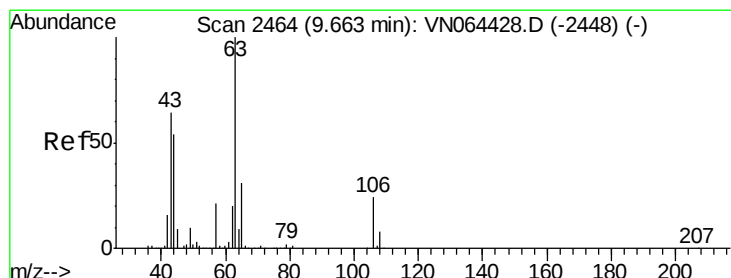
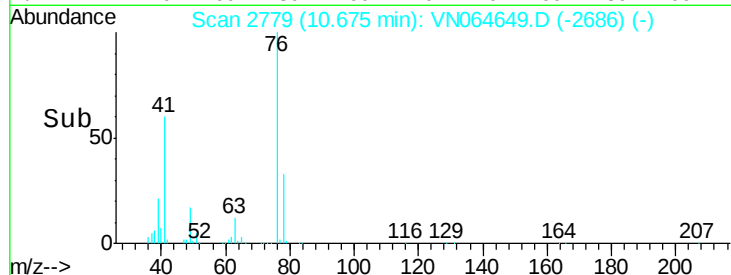
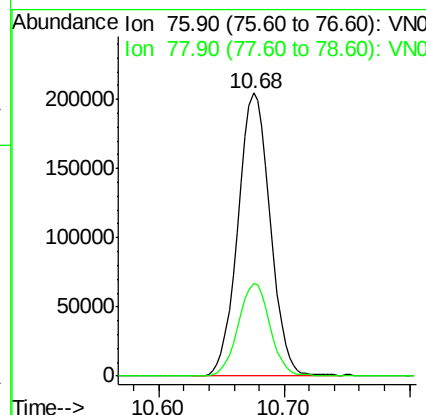
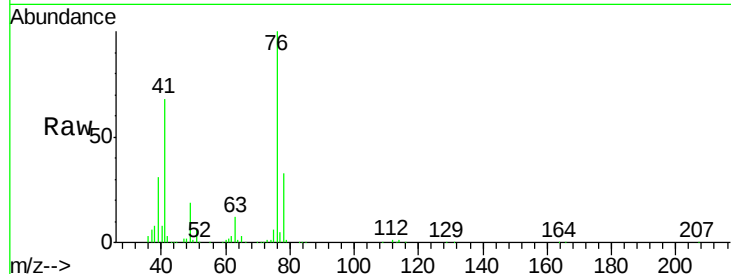




#57
 1,3-Dichloropropane
 Concen: 52.163 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

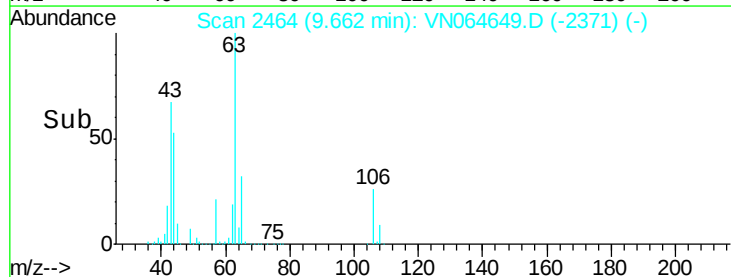
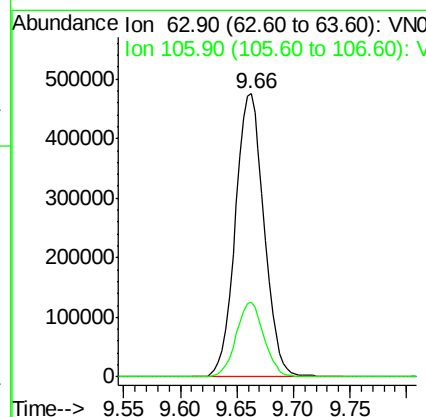
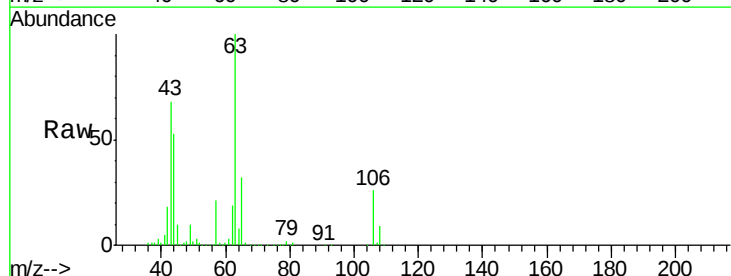
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

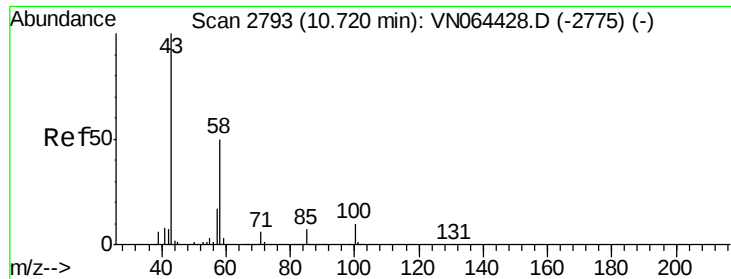
Tot Ion: 76 Resp: 366195
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.924 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 63 Resp: 839614
 Ion Ratio Lower Upper
 63 100
 106 25.7 19.5 29.3

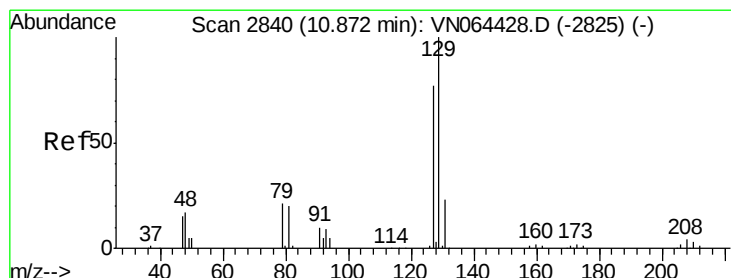
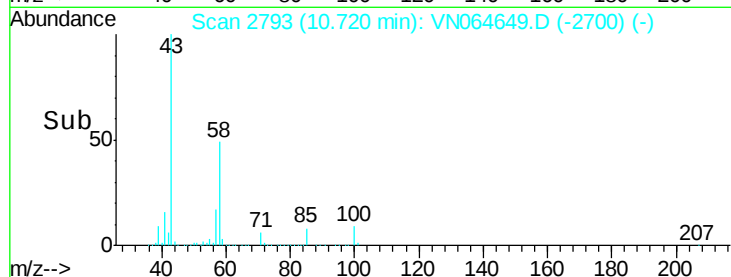
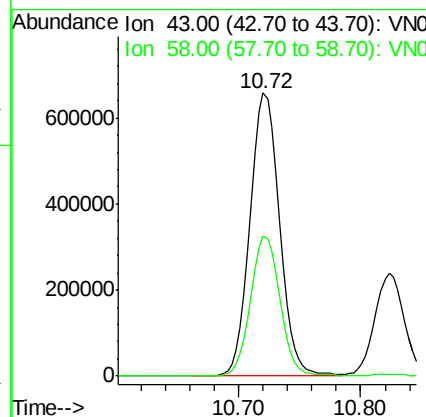
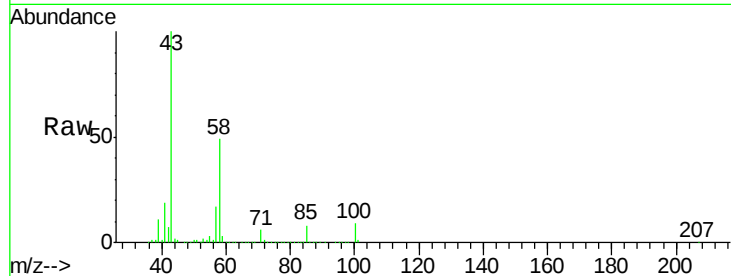




#59
2-Hexanone
Concen: 247.271 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

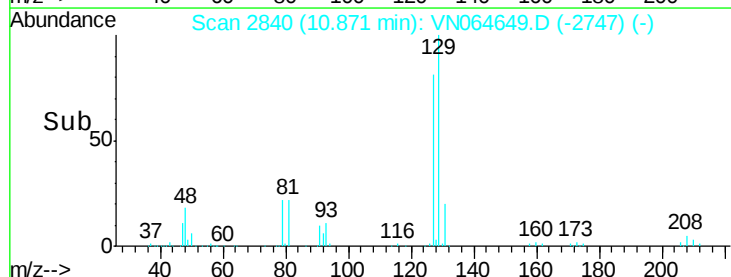
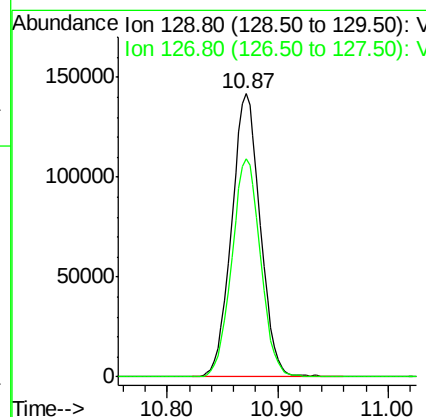
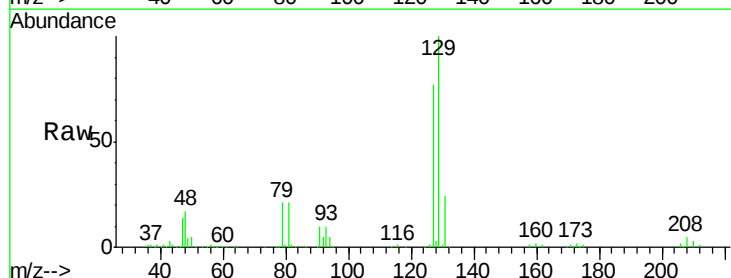
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

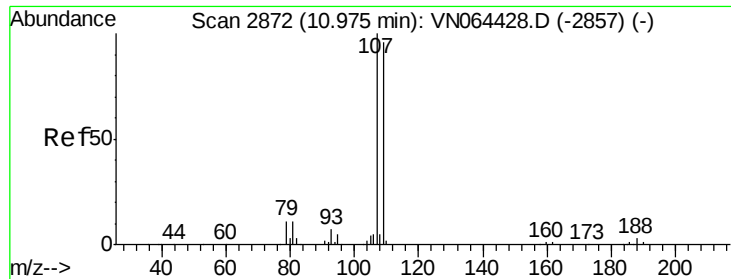
Tot Ion: 43 Resp: 1096330
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1



#60
Dibromochloromethane
Concen: 56.609 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 129 Resp: 254912
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7

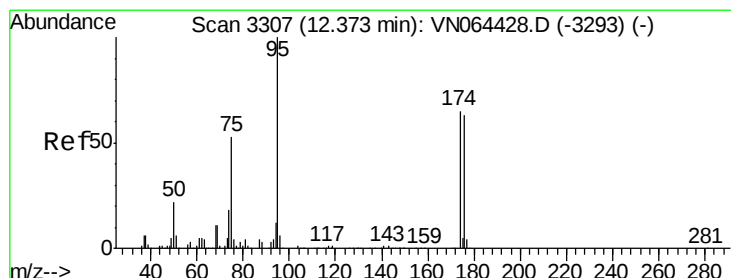
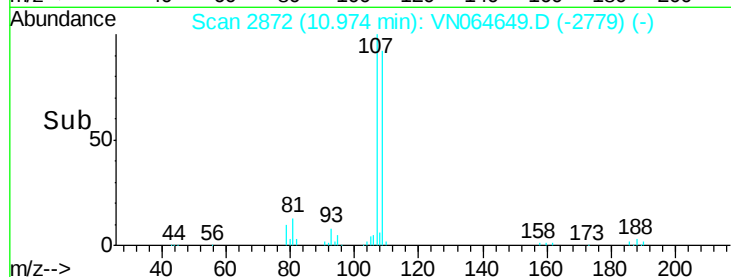
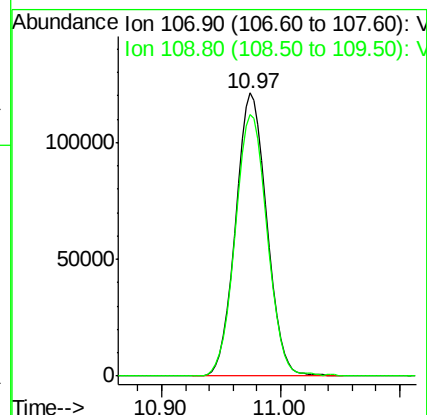
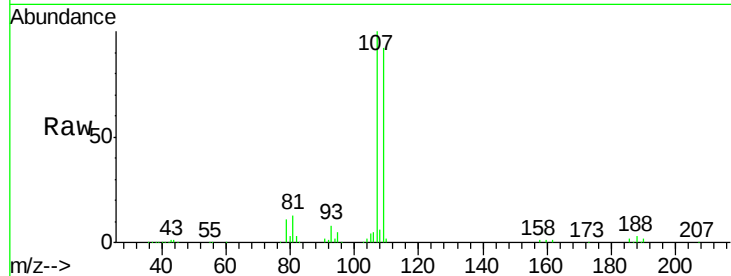




#61
 1,2-Dibromoethane
 Concen: 53.993 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

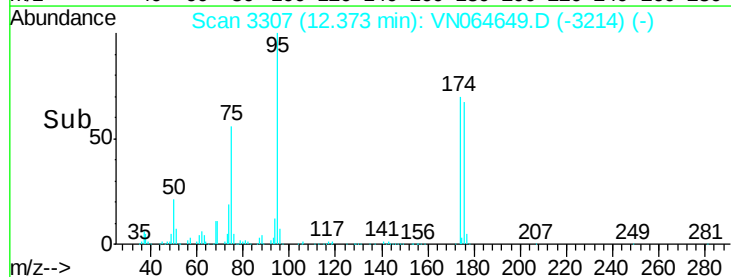
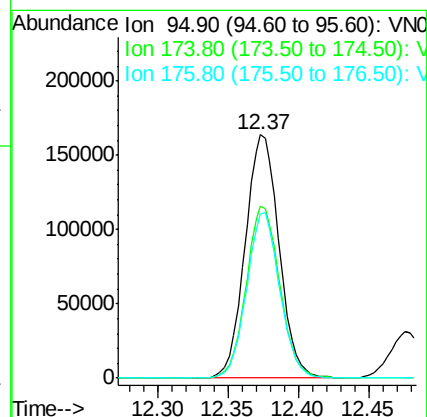
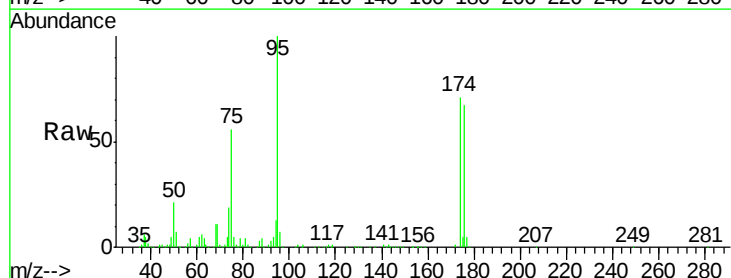
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

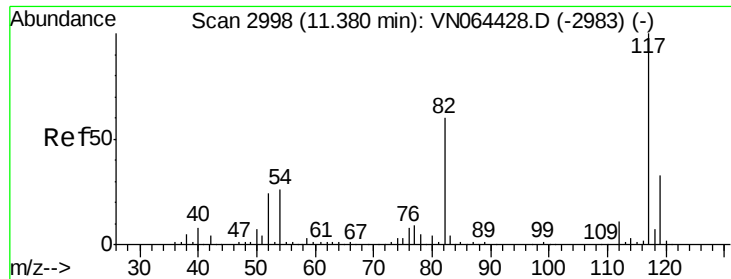
Tot Ion:107 Resp: 220269
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.967 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 95 Resp: 276279
 Ion Ratio Lower Upper
 95 100
 174 70.0 0.0 132.6
 176 66.4 0.0 129.2

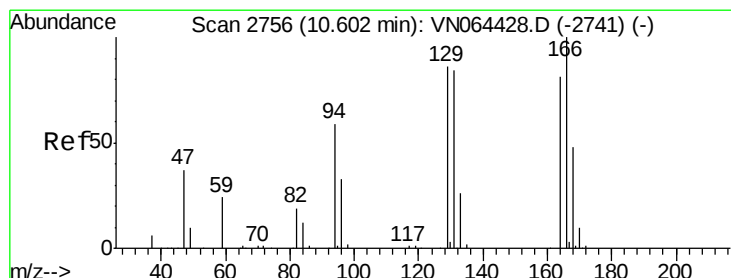
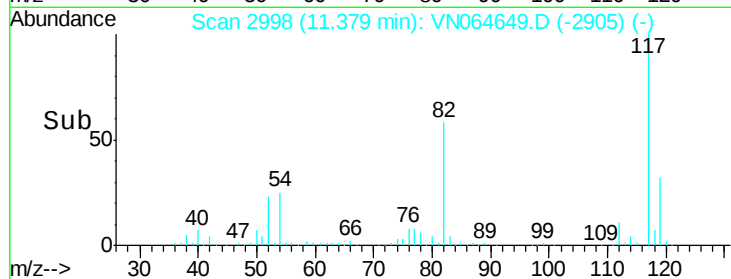
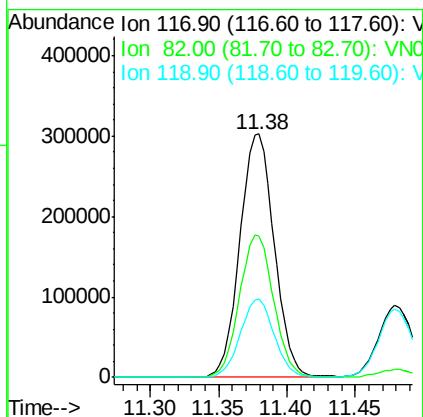
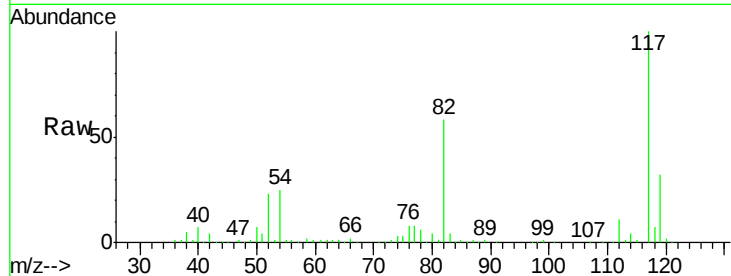




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

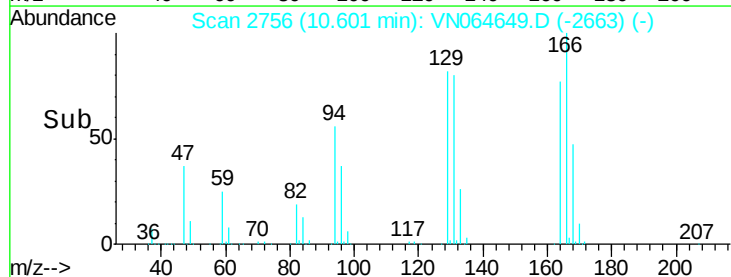
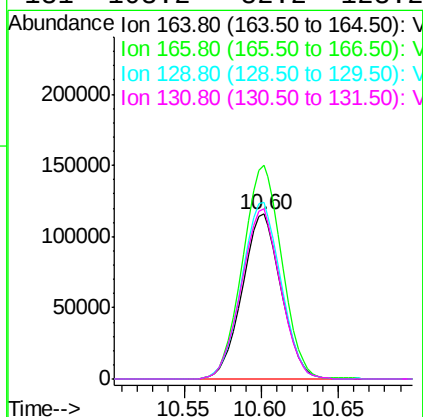
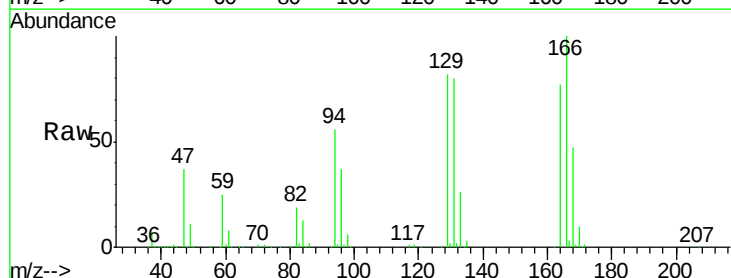
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

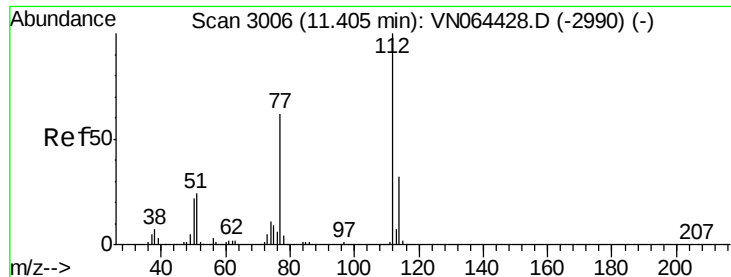
Tot Ion:117 Resp: 530548
Ion Ratio Lower Upper
117 100
82 58.2 48.1 72.1
119 32.0 26.2 39.4



#64
Tetrachloroethene
Concen: 49.582 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion:164 Resp: 202632
Ion Ratio Lower Upper
164 100
166 129.8 98.2 147.2
129 107.0 84.6 127.0
131 103.2 82.2 123.2





#65

Chlorobenzene

Concen: 50.015 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

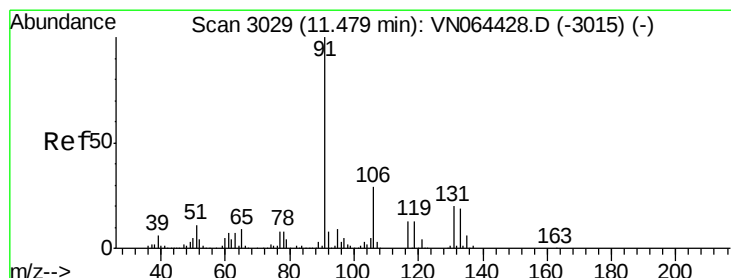
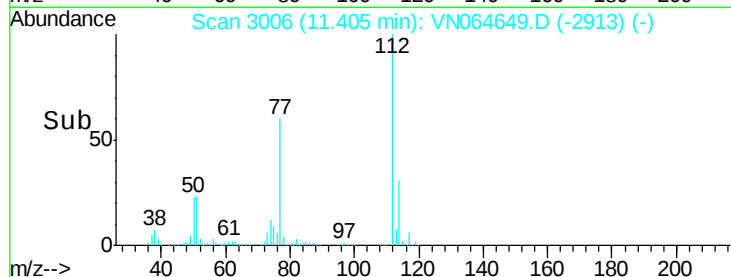
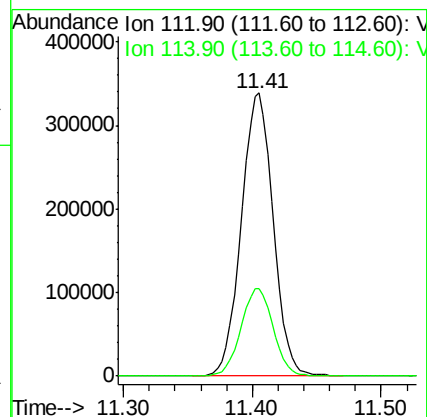
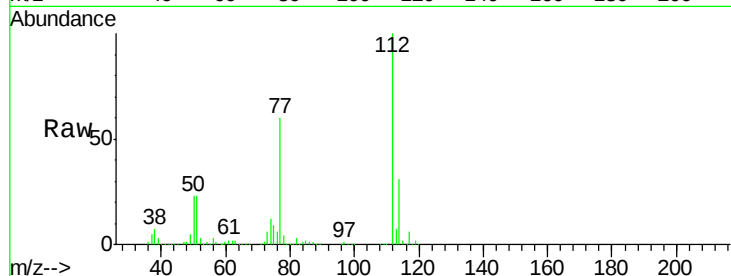
VSTDCCC050

Tot Ion:112 Resp: 581717

Ion Ratio Lower Upper

112 100

114 31.1 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 53.444 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

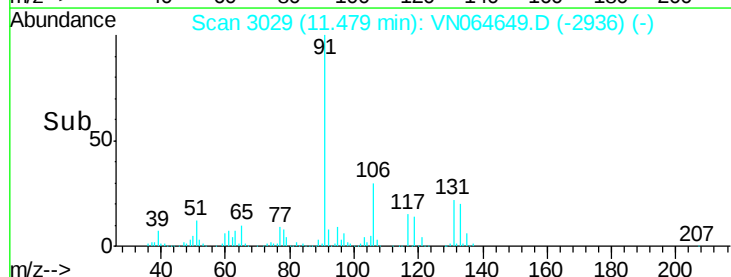
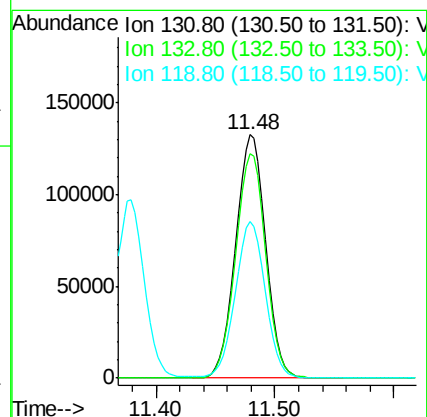
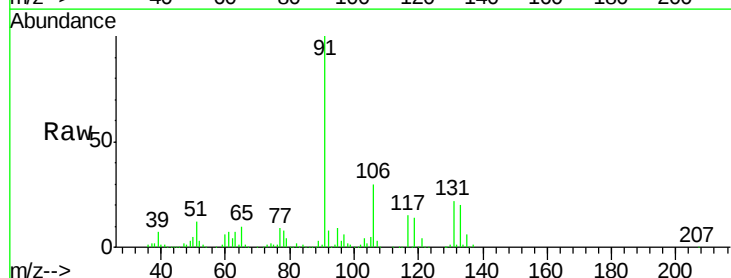
Tgt Ion:131 Resp: 231896

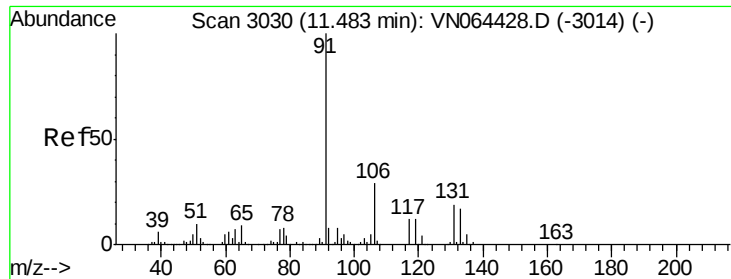
Ion Ratio Lower Upper

131 100

133 92.8 46.9 140.7

119 64.5 32.1 96.5

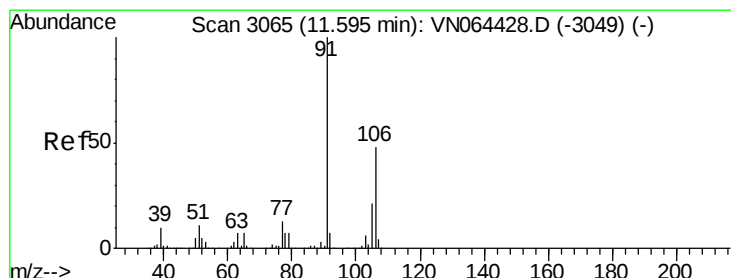
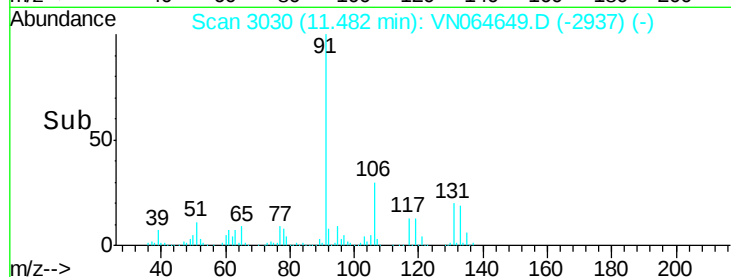
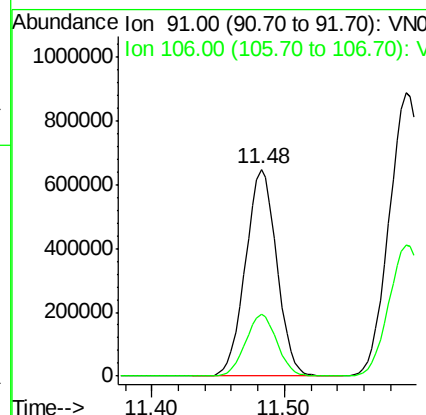
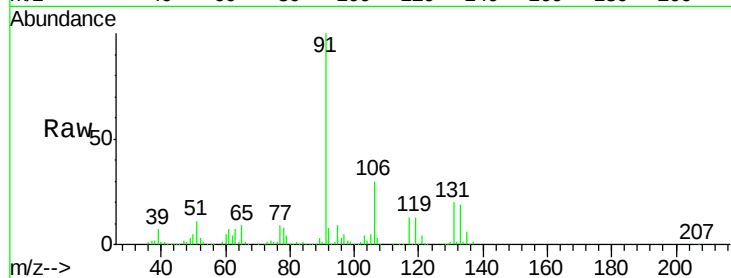




#67
Ethyl Benzene
Concen: 51.238 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

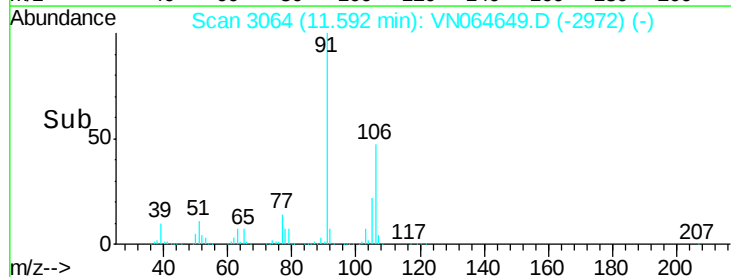
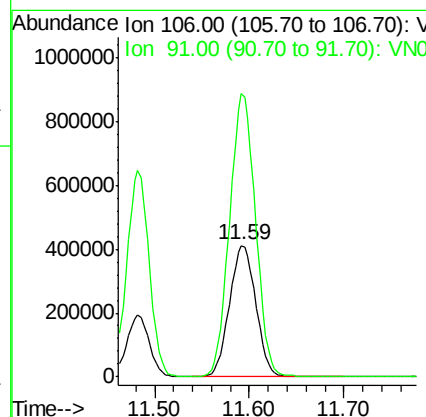
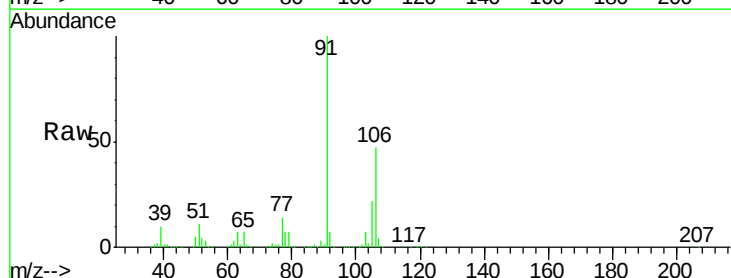
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

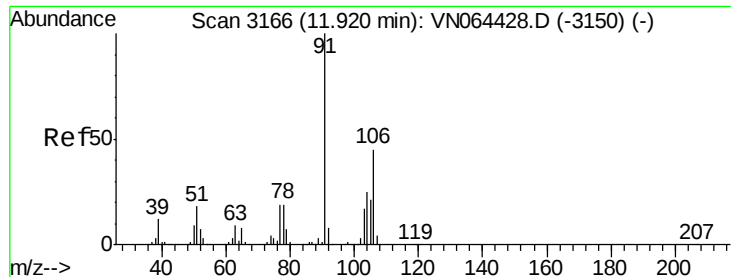
Tot Ion: 91 Resp: 1060013
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4



#68
m/p-Xylenes
Concen: 106.058 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 106 Resp: 795727
Ion Ratio Lower Upper
106 100
91 212.0 169.4 254.2

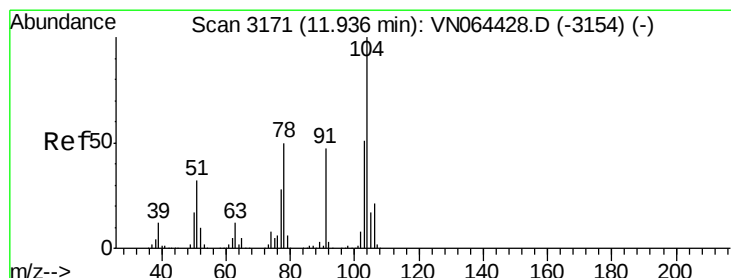
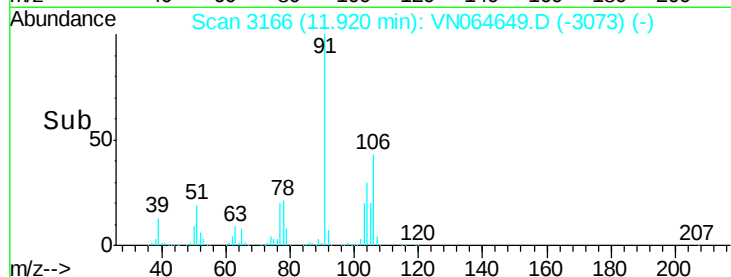
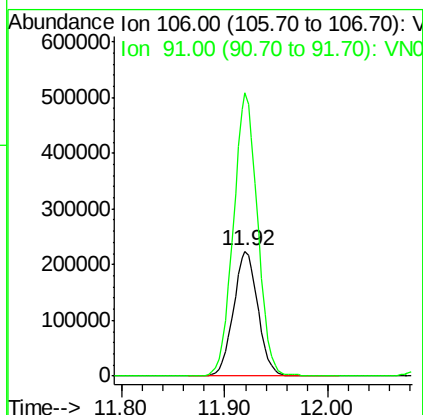
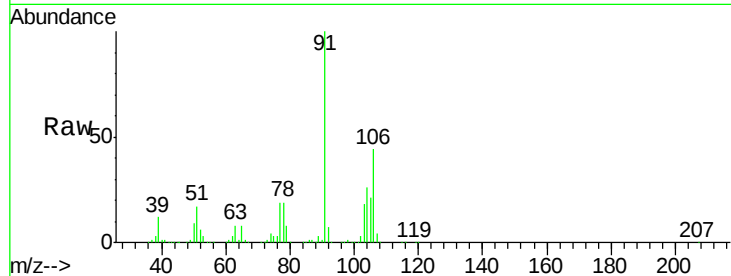




#69
o-Xylene
Concen: 51.035 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

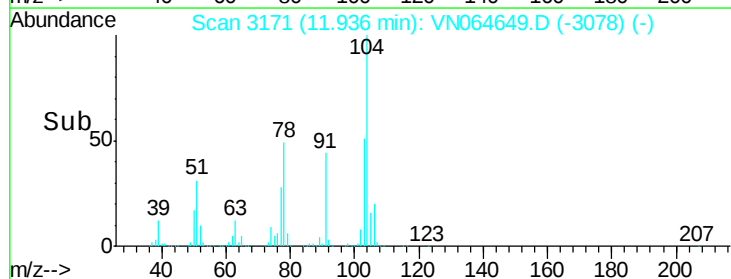
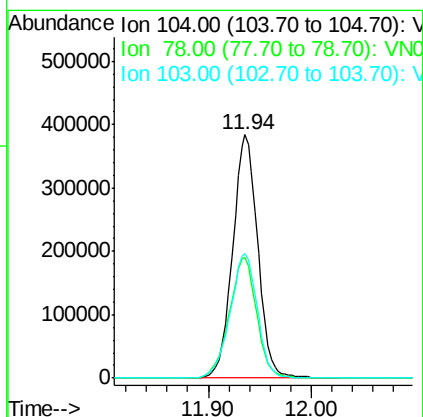
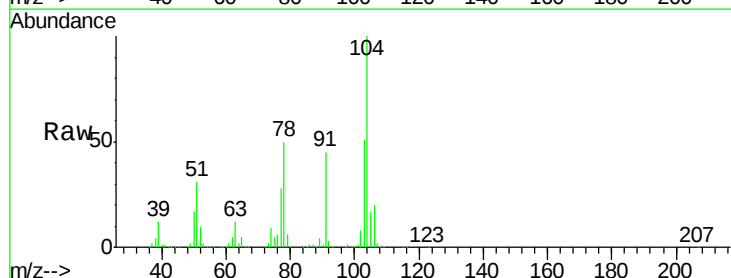
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

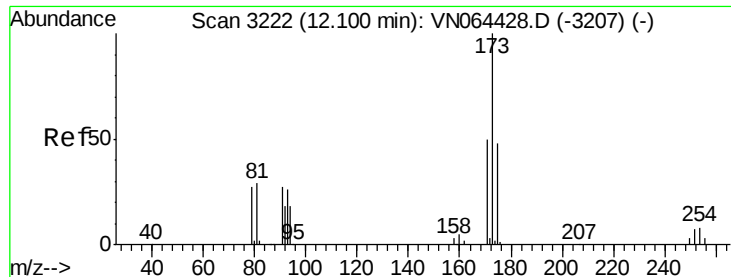
Tot Ion:106 Resp: 370006
Ion Ratio Lower Upper
106 100
91 224.0 111.7 334.9



#70
Styrene
Concen: 53.401 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion:104 Resp: 651487
Ion Ratio Lower Upper
104 100
78 54.0 44.0 66.0
103 55.5 43.8 65.6





#71

Bromoform

Concen: 49.800 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

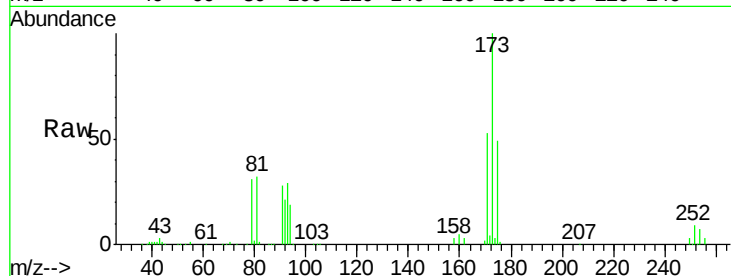
Tot Ion:173 Resp: 162231

Ion Ratio Lower Upper

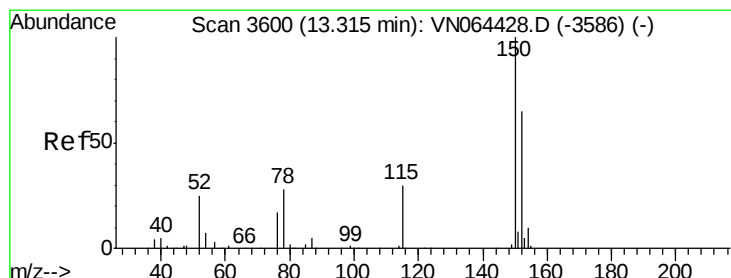
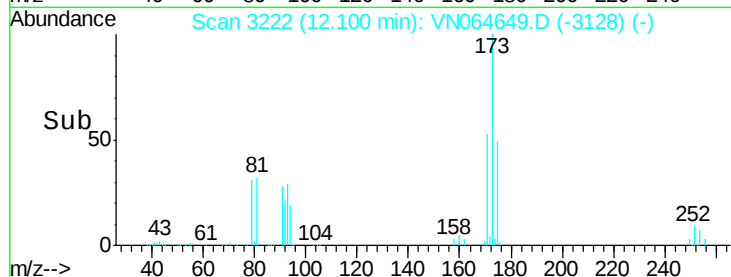
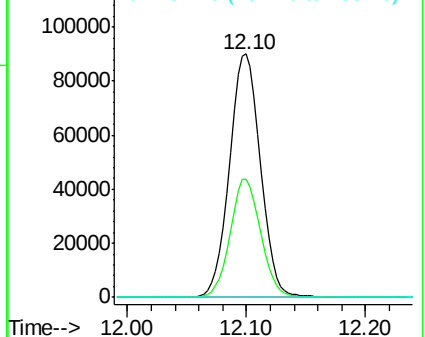
173 100

175 47.9 23.7 71.1

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: VN064649.D

Acq: 16 Nov 2020 9:21

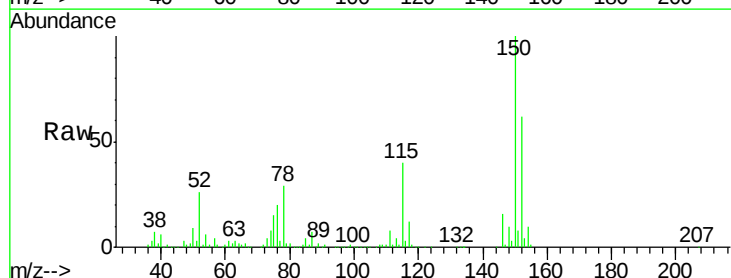
Tgt Ion:152 Resp: 254407

Ion Ratio Lower Upper

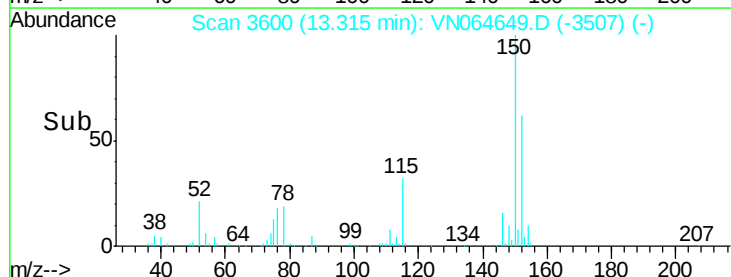
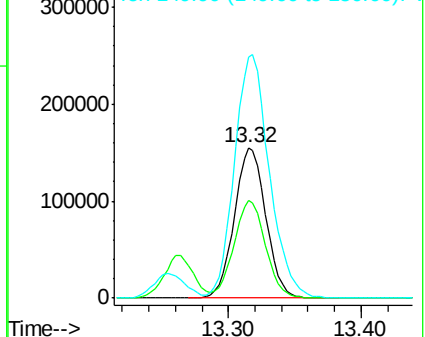
152 100

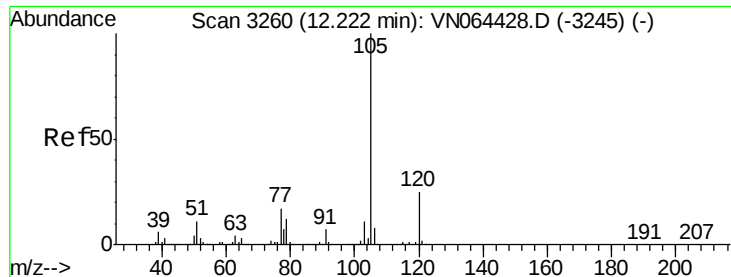
115 64.4 32.0 96.0

150 180.1 0.0 353.8



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





#73

Isopropylbenzene

Concen: 49.355 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

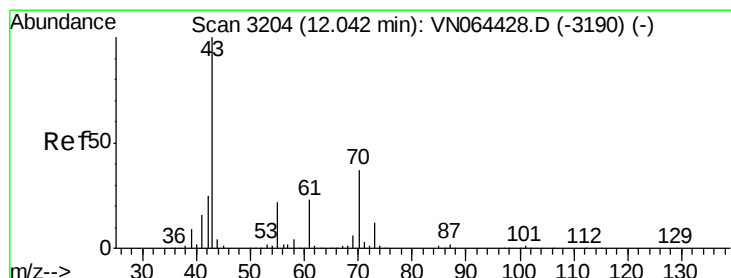
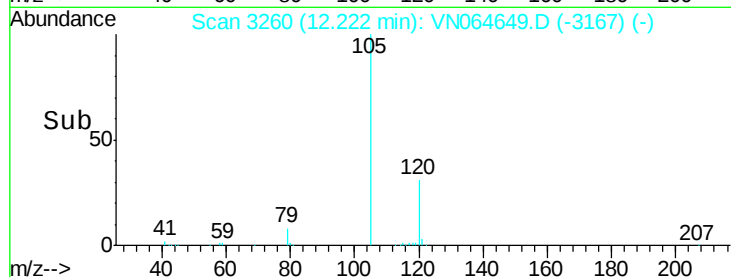
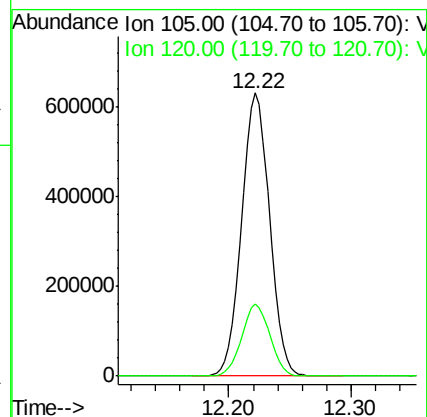
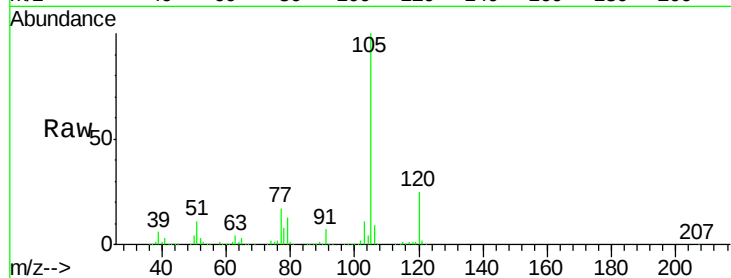
VSTDCCC050

Tot Ion:105 Resp: 998001

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 41.324 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Tgt Ion: 43 Resp: 403151

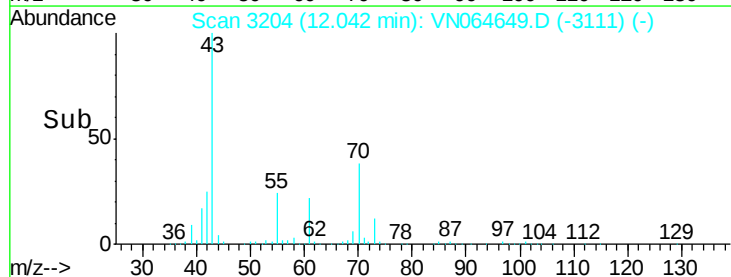
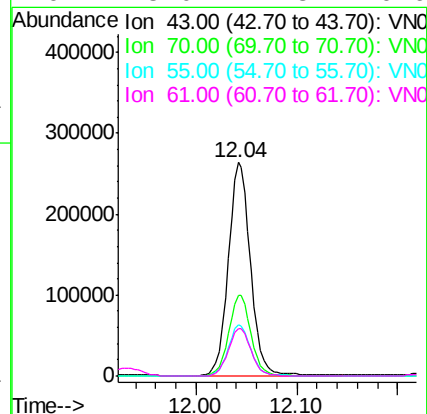
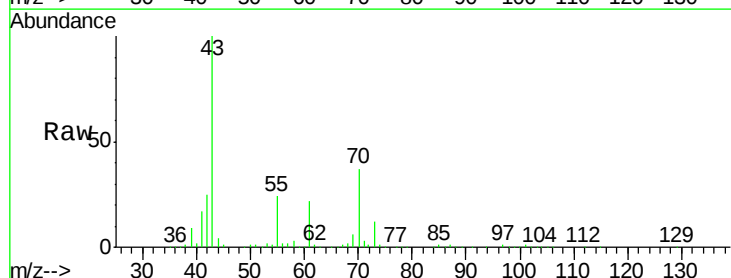
Ion Ratio Lower Upper

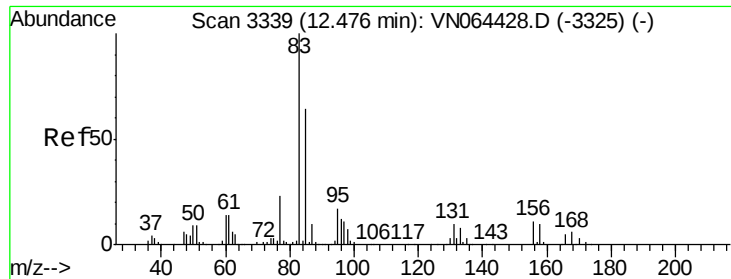
43 100

70 38.2 29.6 44.4

55 24.6 18.4 27.6

61 23.0 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.941 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

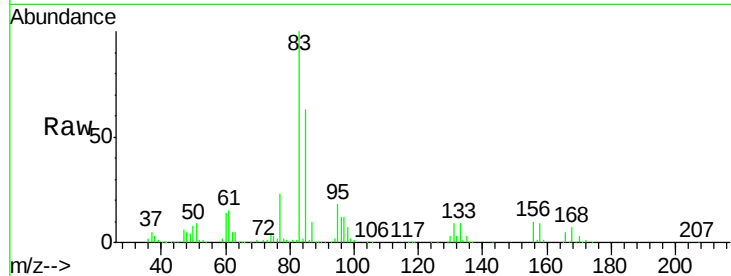
Tot Ion: 83 Resp: 297758

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

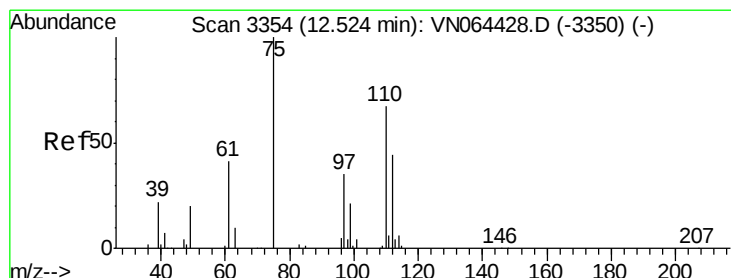
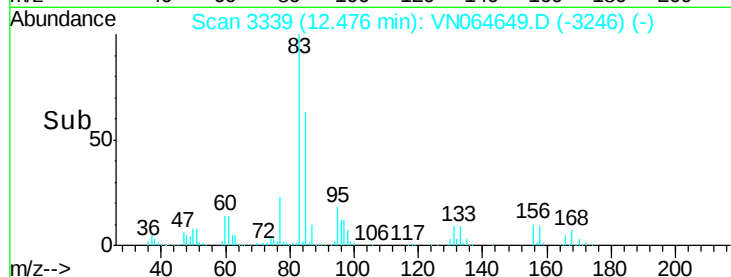
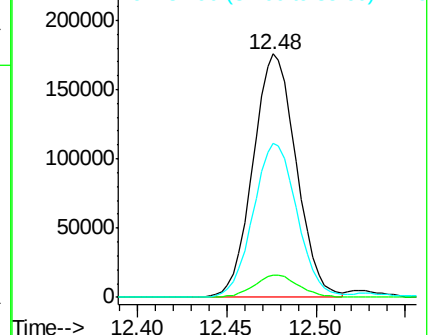
85 64.2 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 67.167 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064649.D

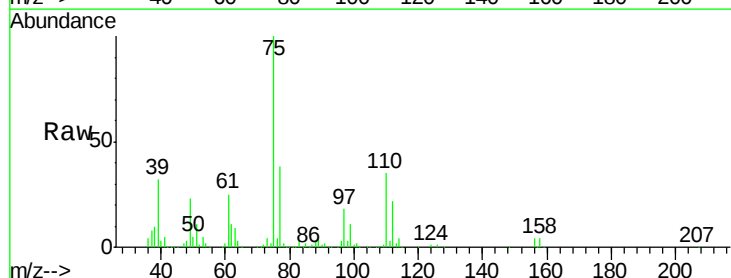
Acq: 16 Nov 2020 9:21

Tgt Ion: 75 Resp: 414019

Ion Ratio Lower Upper

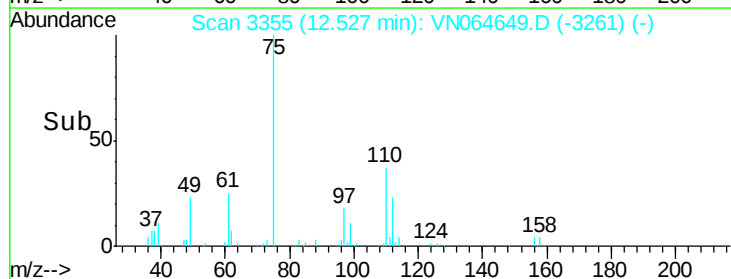
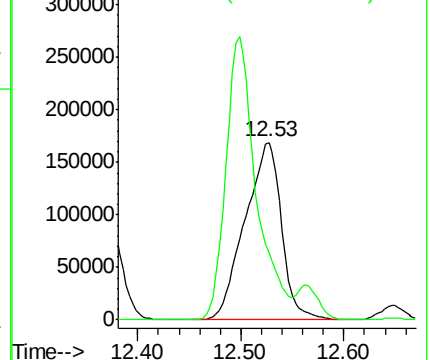
75 100

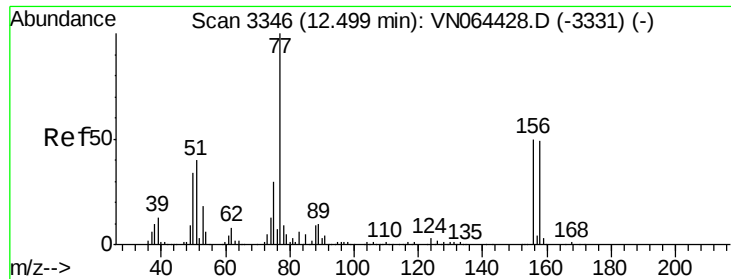
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

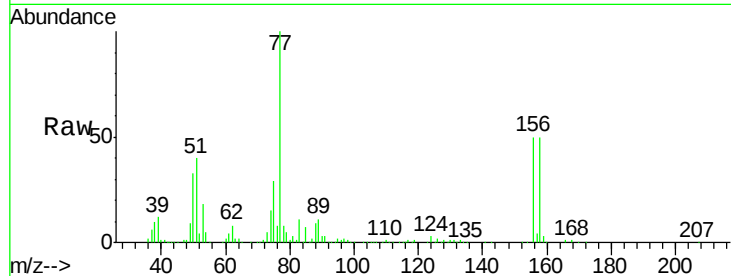




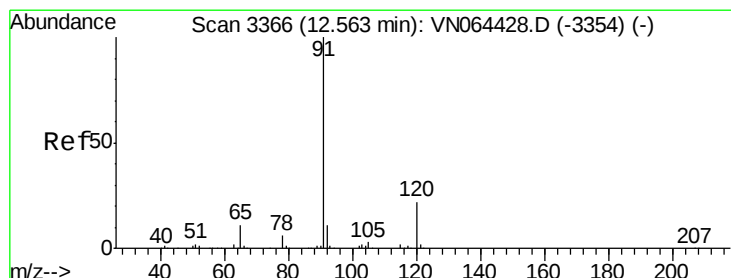
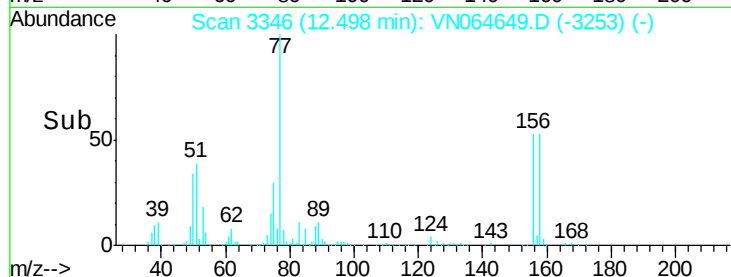
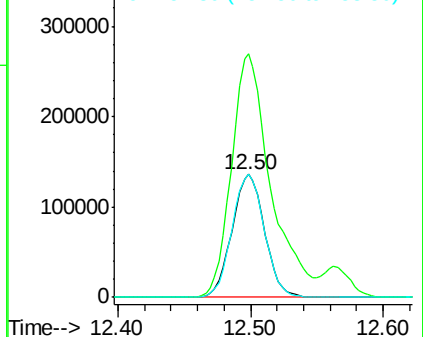
#77
Bromobenzene
Concen: 46.967 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 231868
Ion Ratio Lower Upper
156 100
77 238.9 119.0 357.0
158 99.6 48.4 145.3

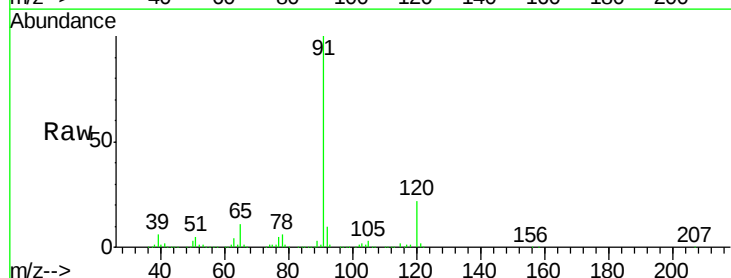


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

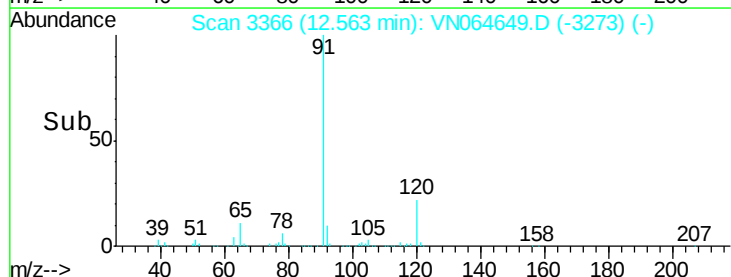
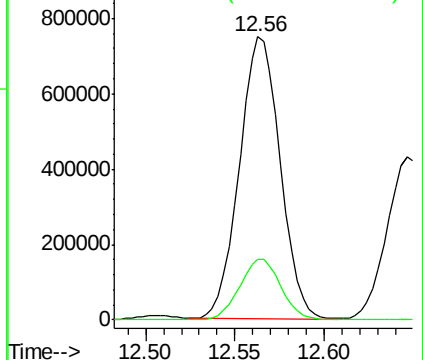


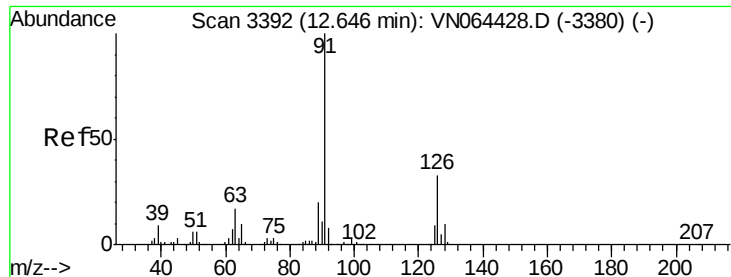
#78
n-propylbenzene
Concen: 51.503 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 91 Resp: 1187330
Ion Ratio Lower Upper
91 100
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.811 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

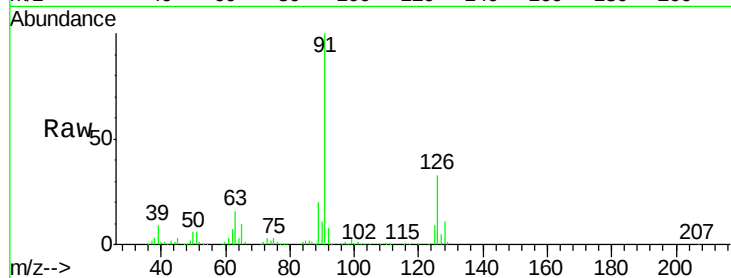
VSTDCCC050

Tot Ion: 91 Resp: 713695

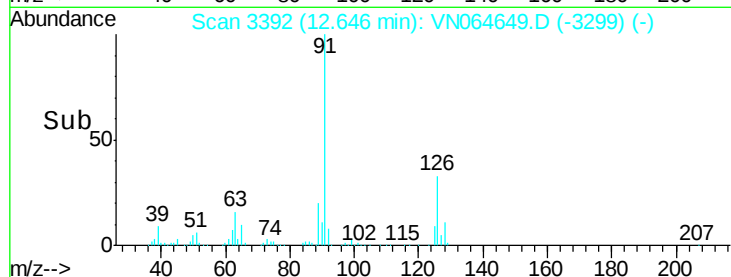
Ion Ratio Lower Upper

91 100

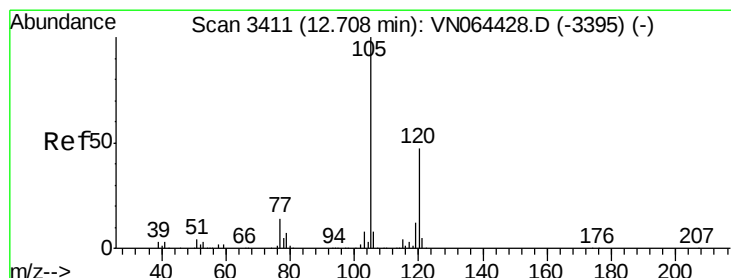
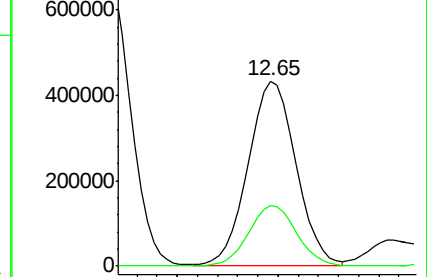
126 33.2 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN064649.D (-3299) (-)



Ion 125.90 (125.60 to 126.60): VN064649.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.345 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064649.D

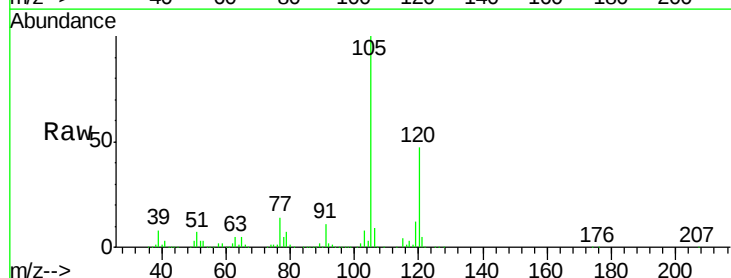
Acq: 16 Nov 2020 9:21

Tgt Ion: 105 Resp: 856521

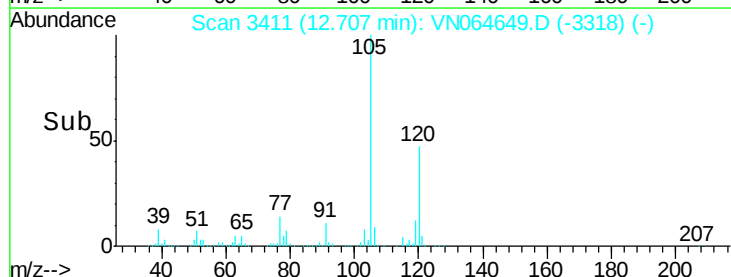
Ion Ratio Lower Upper

105 100

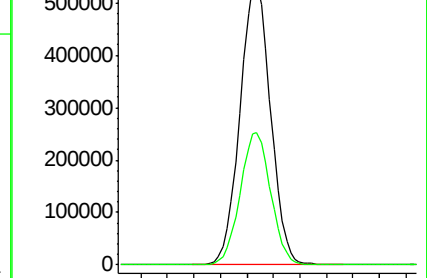
120 47.1 23.4 70.2

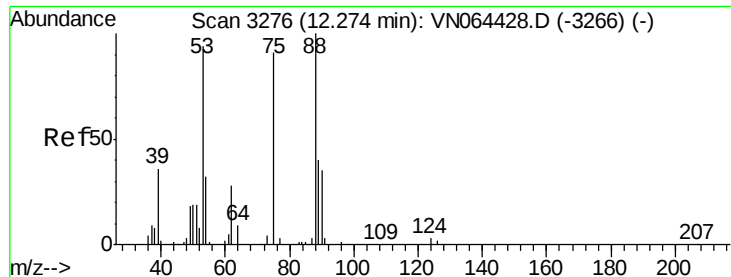


Abundance Ion 105.00 (104.70 to 105.70): VN064649.D (-3318) (-)



Ion 120.00 (119.70 to 120.70): VN064649.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.873 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

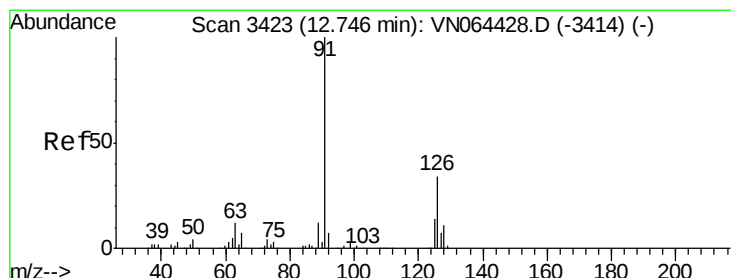
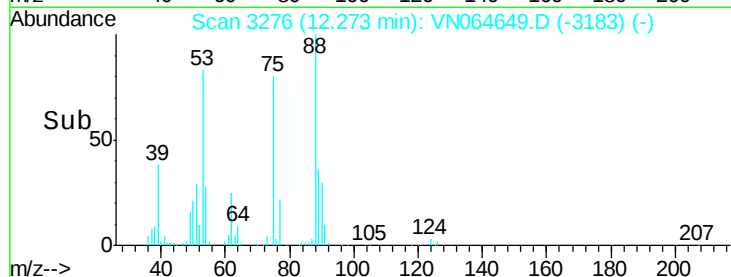
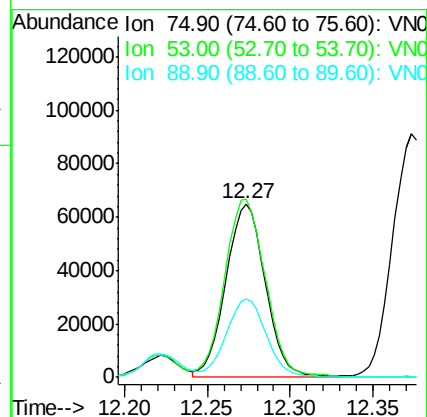
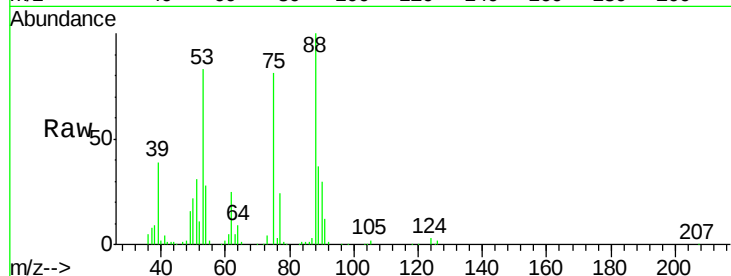
Tot Ion: 75 Resp: 107895

Ion Ratio Lower Upper

75 100

53 105.6 84.0 126.0

89 46.1 36.3 54.5



#82

4-Chlorotoluene

Concen: 50.660 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064649.D

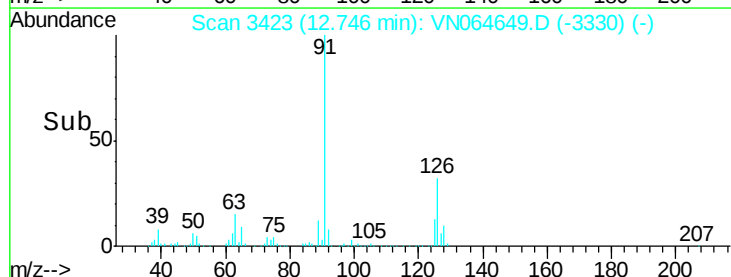
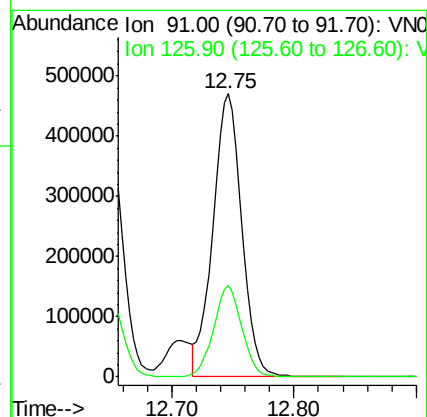
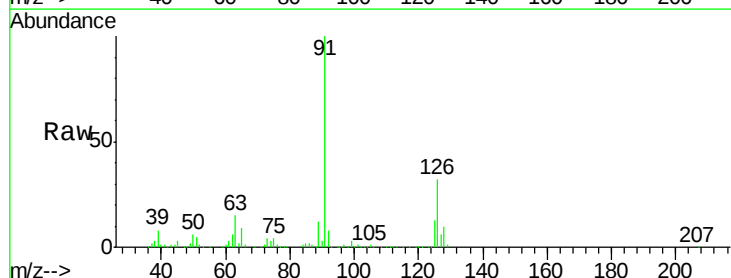
Acq: 16 Nov 2020 9:21

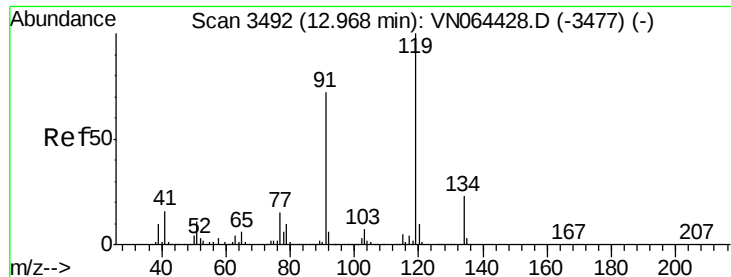
Tgt Ion: 91 Resp: 775739

Ion Ratio Lower Upper

91 100

126 31.3 15.4 46.2

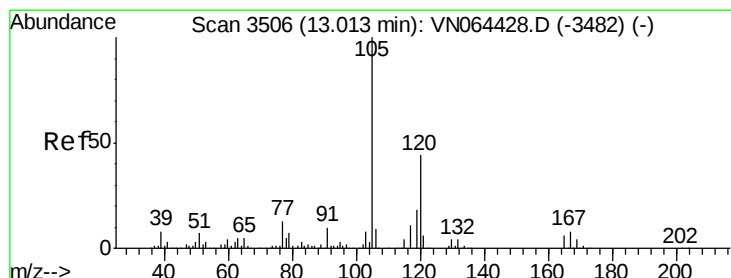
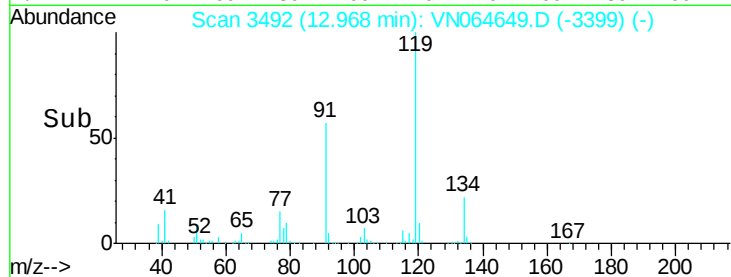
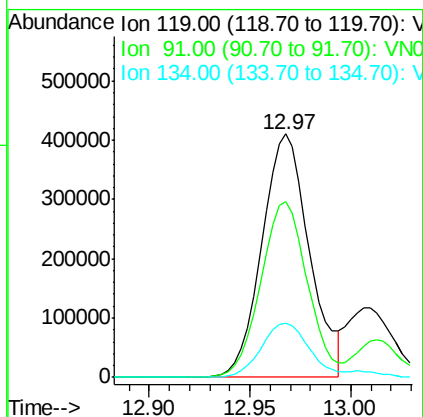
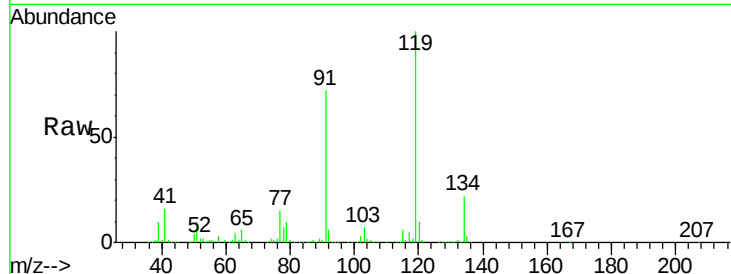




#83
tert-Butylbenzene
Concen: 51.615 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

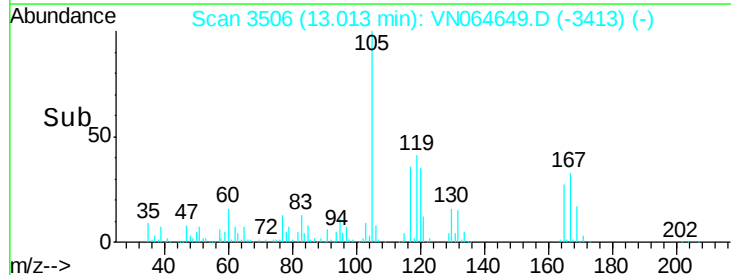
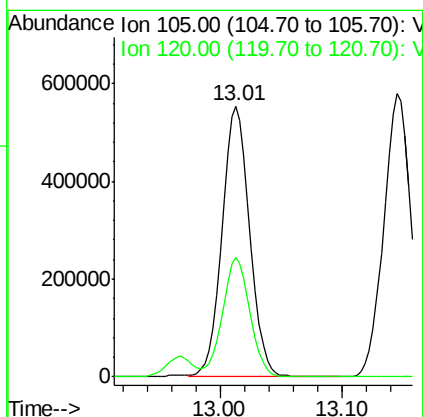
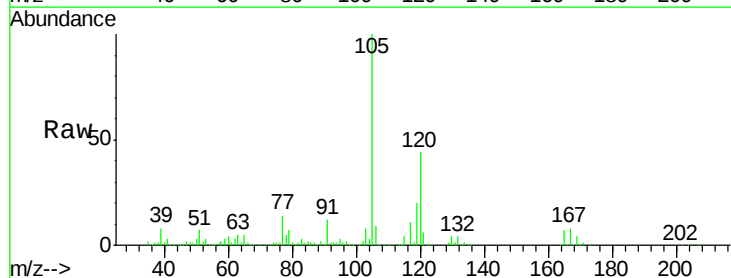
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

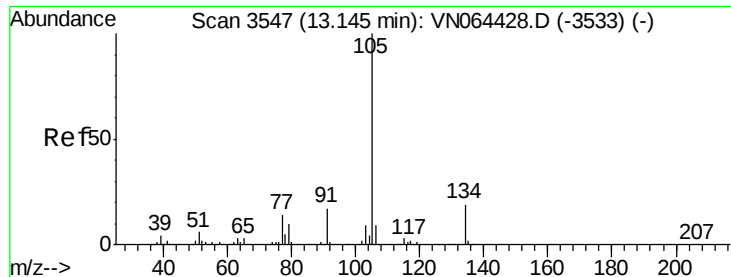
Tot Ion:119 Resp: 672471
Ion Ratio Lower Upper
119 100
91 70.3 36.1 108.3
134 22.5 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 52.231 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion:105 Resp: 875908
Ion Ratio Lower Upper
105 100
120 44.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 54.957 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

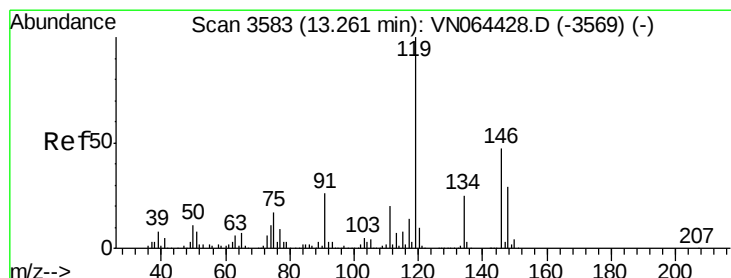
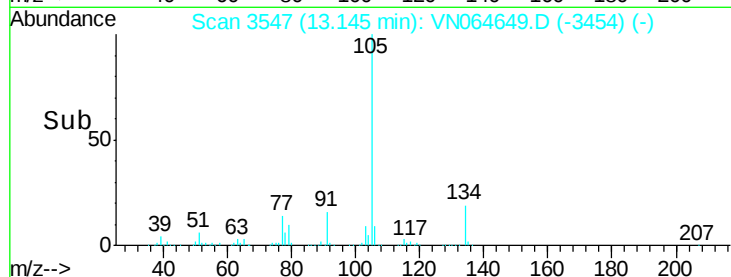
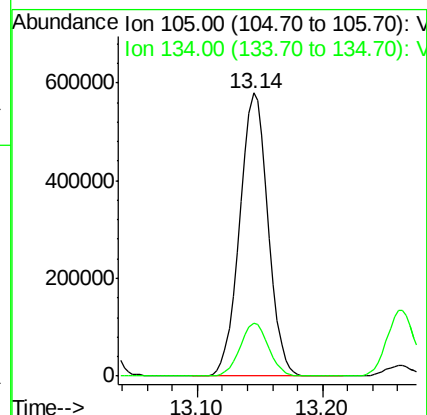
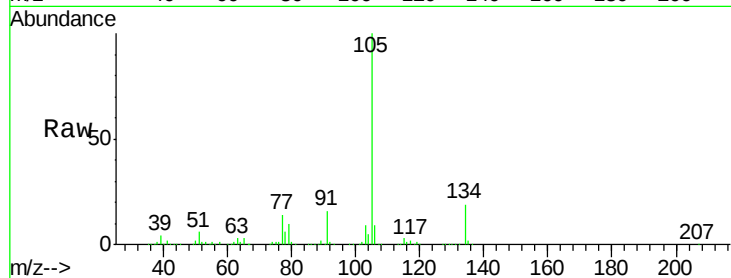
VSTDCCC050

Tot Ion:105 Resp: 906827

Ion Ratio Lower Upper

105 100

134 18.7 9.4 28.2



#86

p-Isopropyltoluene

Concen: 55.625 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

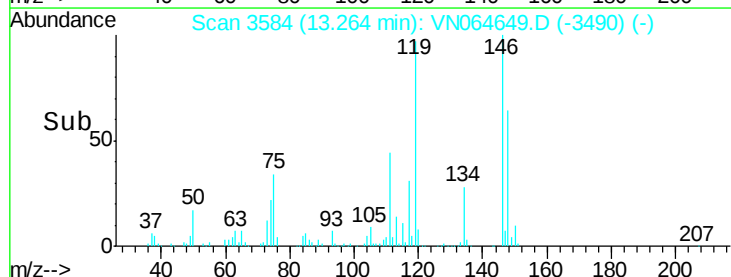
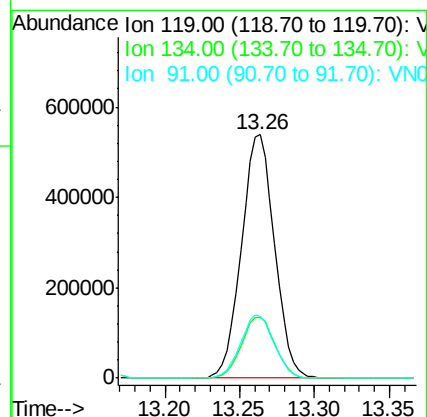
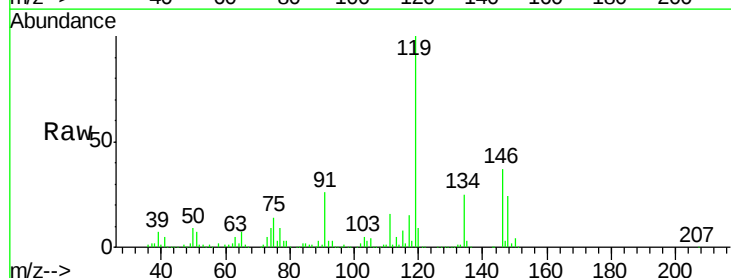
Tgt Ion:119 Resp: 825585

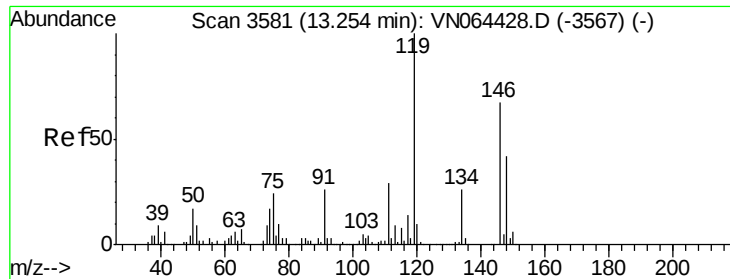
Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.6

91 26.2 12.8 38.3

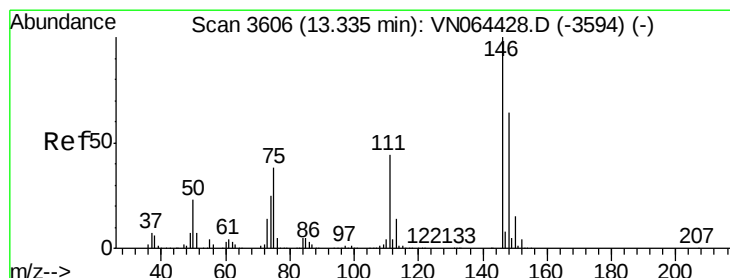
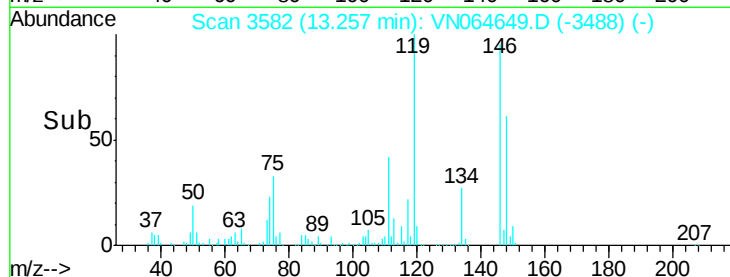
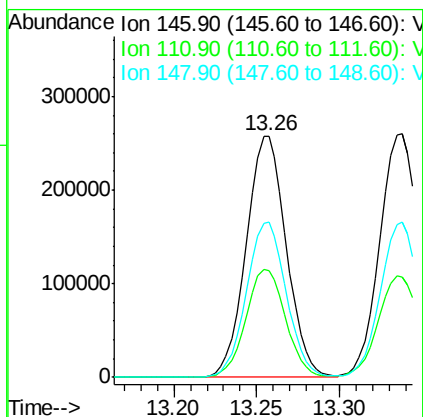
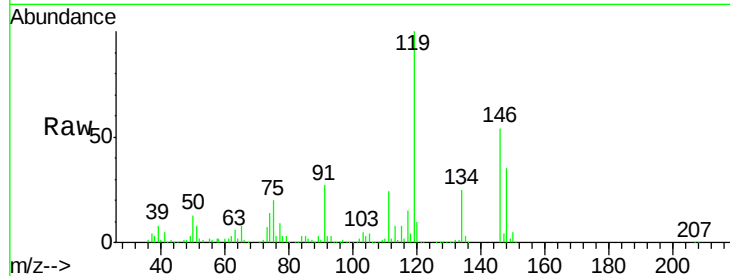




#87
 1,3-Dichlorobenzene
 Concen: 50.748 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

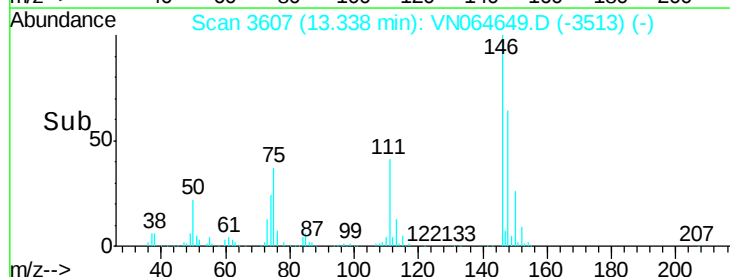
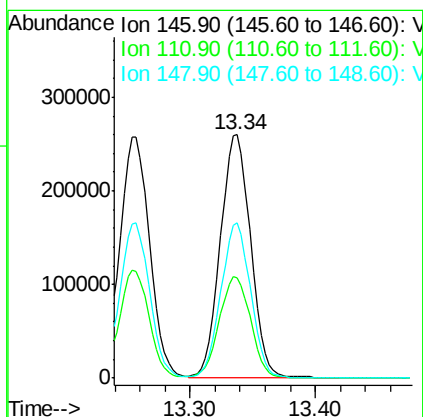
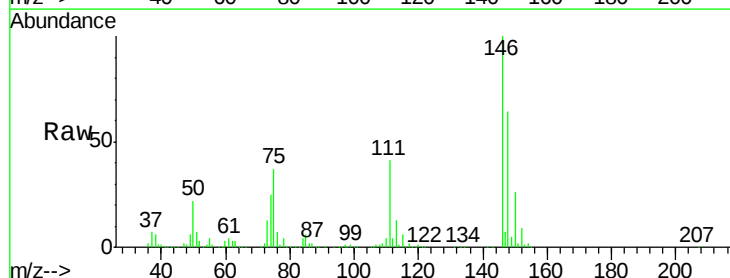
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

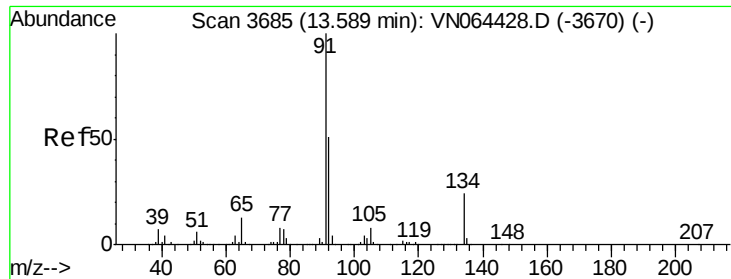
Tot Ion:146 Resp: 433084
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.1 66.1
 148 63.9 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 49.307 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion:146 Resp: 434853
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.8 65.3
 148 62.7 32.4 97.2

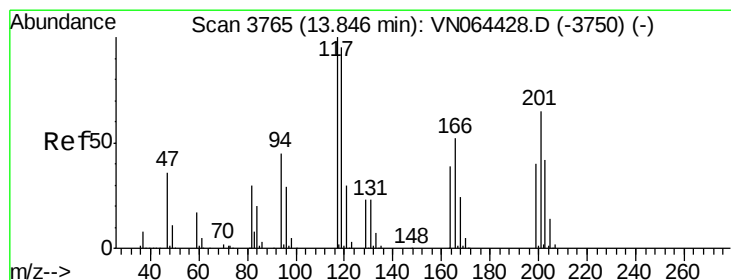
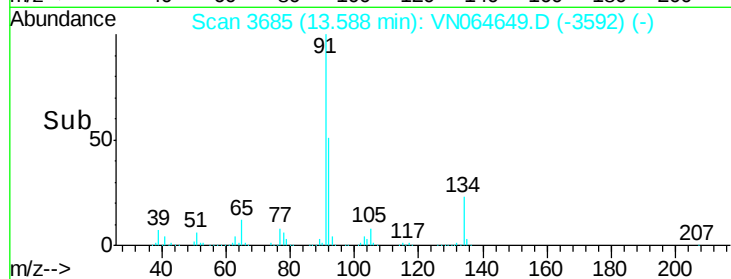
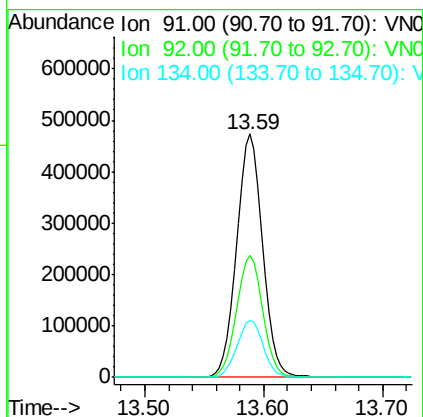
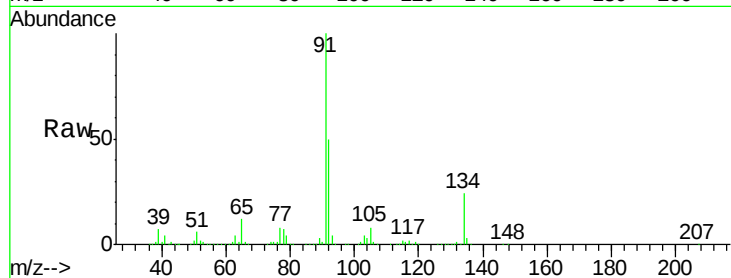




#89
n-Butylbenzene
Concen: 55.902 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

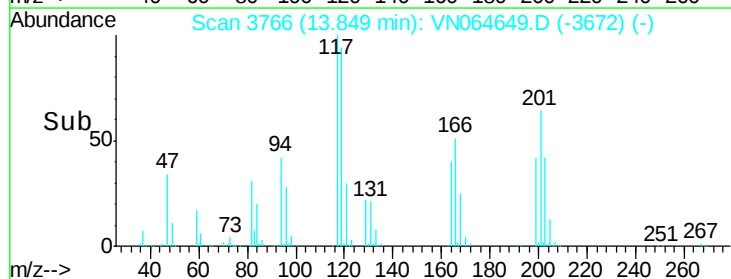
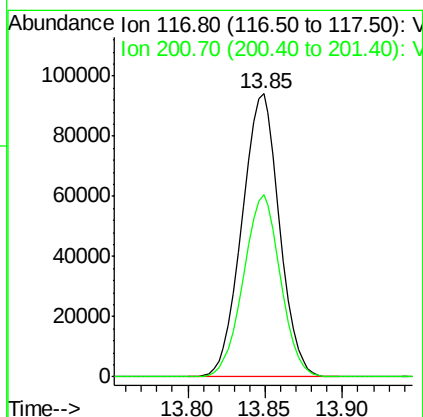
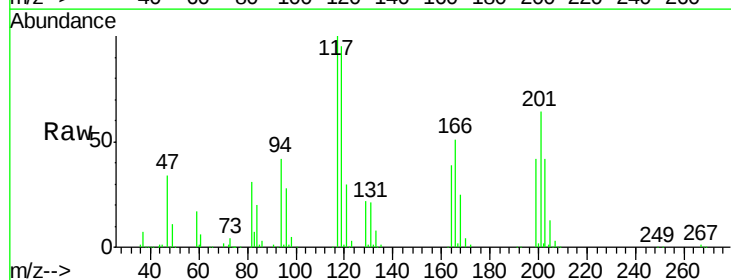
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

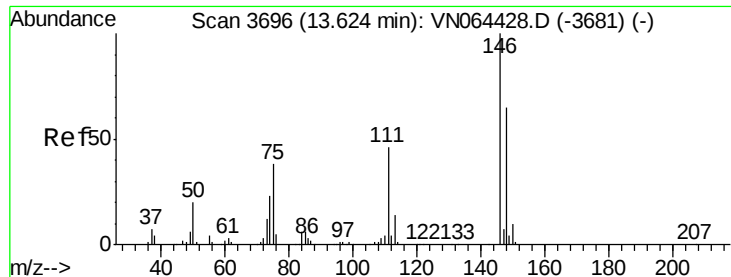
Tot Ion: 91 Resp: 713363
Ion Ratio Lower Upper
91 100
92 50.8 25.3 75.9
134 23.7 11.8 35.4



#90
Hexachloroethane
Concen: 55.434 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 117 Resp: 158712
Ion Ratio Lower Upper
117 100
201 63.7 32.5 97.5

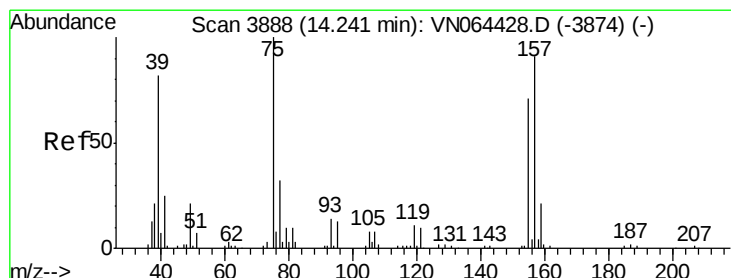
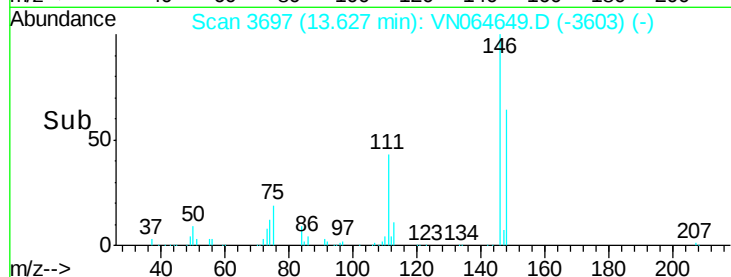
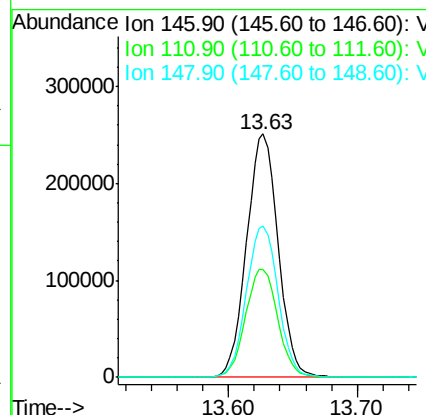
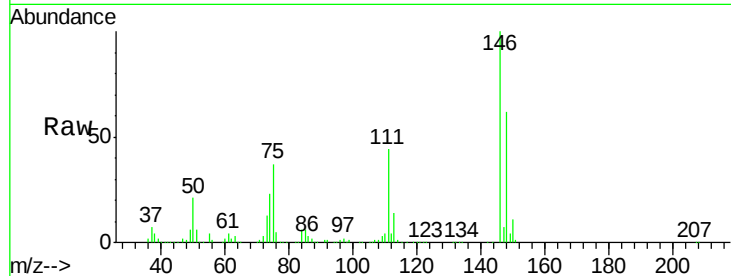




#91
 1,2-Dichlorobenzene
 Concen: 52.073 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

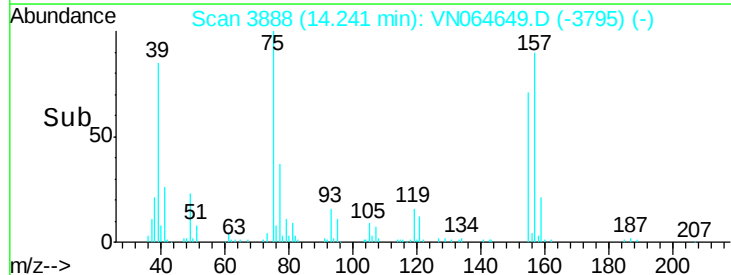
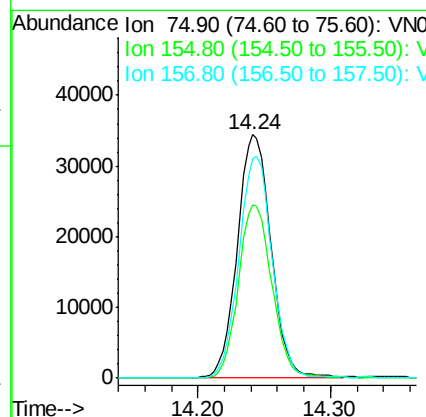
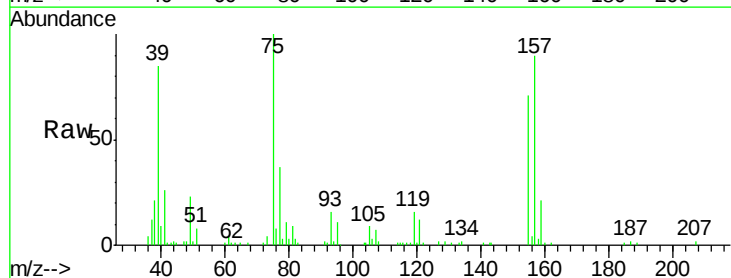
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

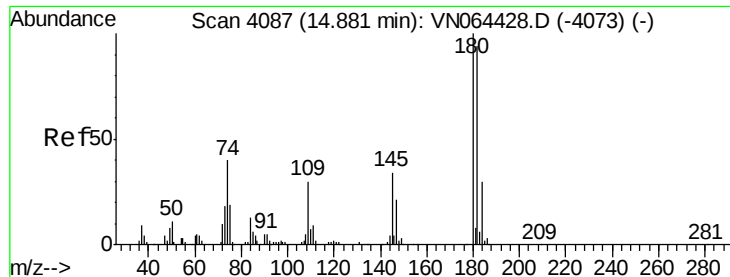
Tot Ion:146 Resp: 427461
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.9 68.7
 148 62.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.306 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 75 Resp: 60971
 Ion Ratio Lower Upper
 75 100
 155 70.4 34.6 103.9
 157 89.3 43.0 128.8

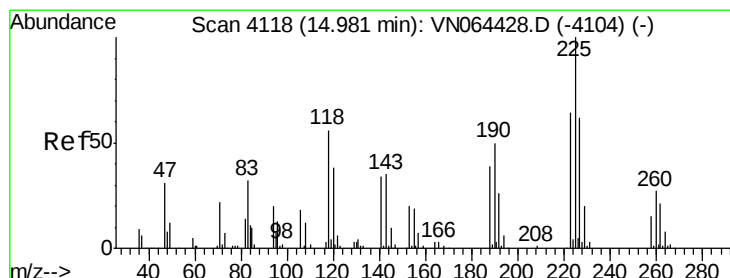
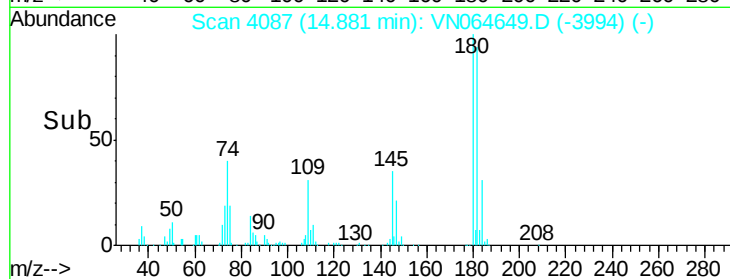
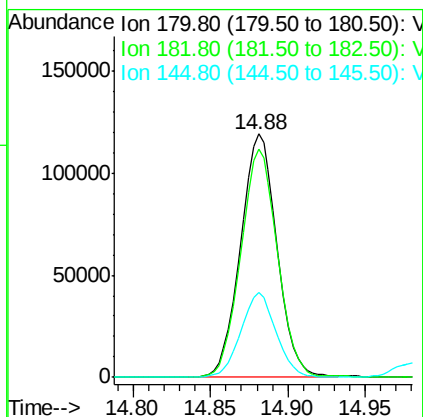
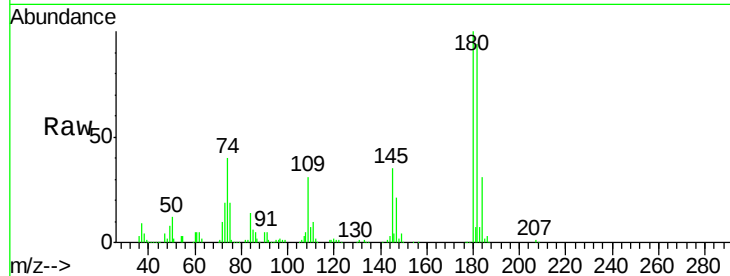




#93
 1,2,4-Trichlorobenzene
 Concen: 47.995 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

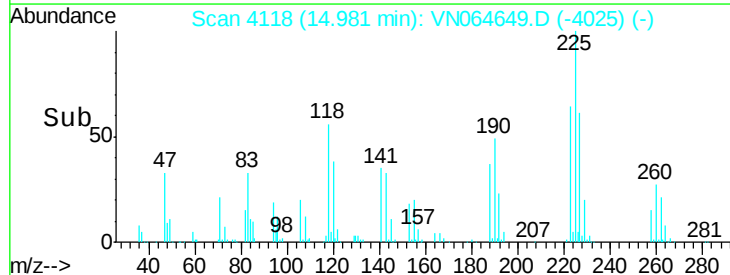
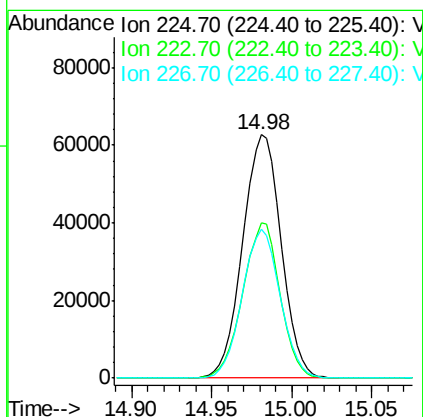
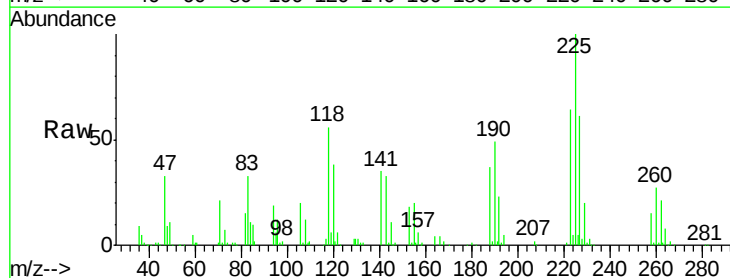
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

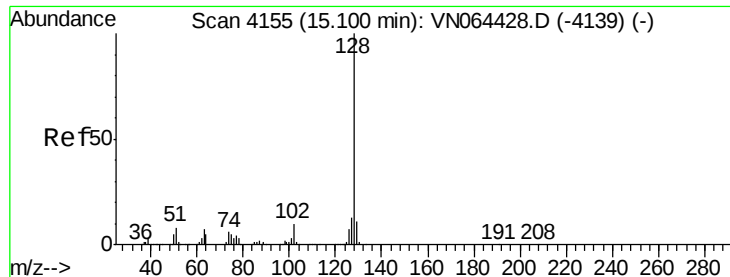
Tot Ion:180 Resp: 195472
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.3 142.0
 145 33.8 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 61.552 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion:225 Resp: 102874
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.8 95.4
 227 59.9 31.8 95.4





#95

Naphthalene

Concen: 42.869 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

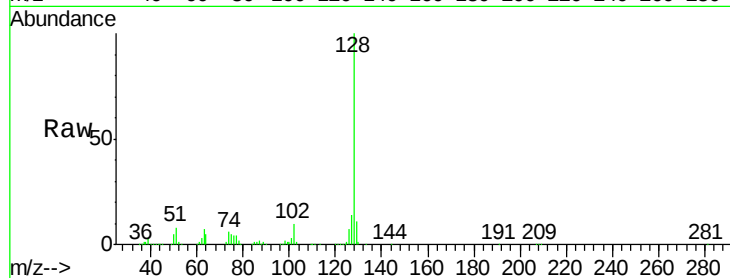
Tot Ion:128 Resp: 590392

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

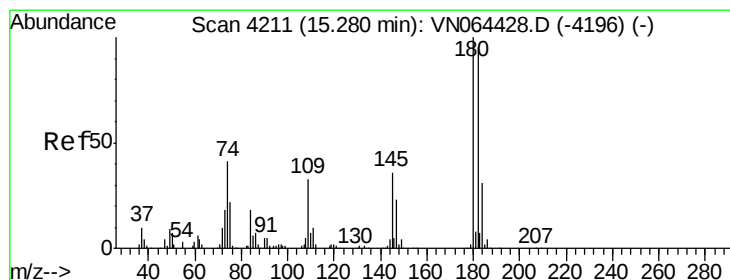
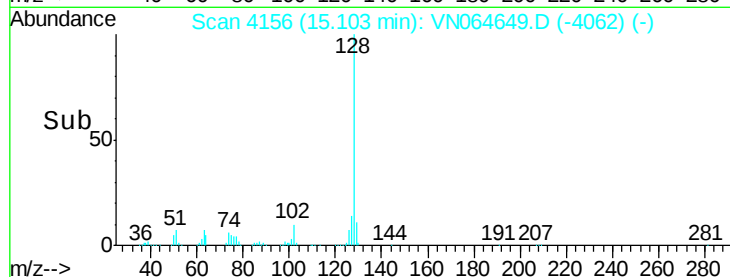
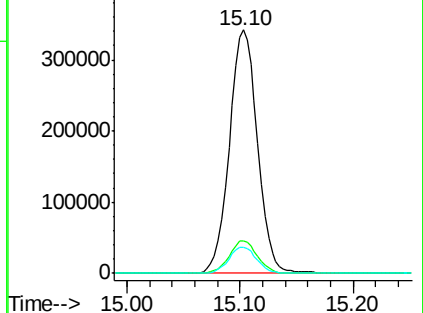
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.255 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

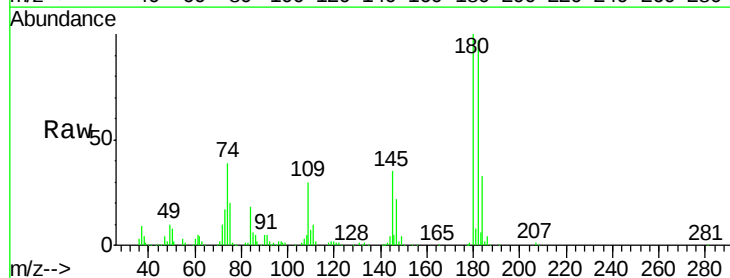
Tgt Ion:180 Resp: 194357

Ion Ratio Lower Upper

180 100

182 96.1 47.7 143.1

145 34.8 18.3 54.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

