

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060920\
 Data File : VN061715.D
 Acq On : 9 Jun 2020 10:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 10 03:20:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	345189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	527843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	515318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	267616	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	180188	43.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.62%	
35) Dibromofluoromethane	7.54	113	146327	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
50) Toluene-d8	10.06	98	631770	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.37	95	230526	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	175940	44.279	ug/l	97
3) Chloromethane	2.03	50	174296	41.399	ug/l	99
4) Vinyl Chloride	2.16	62	244234	42.332	ug/l	100
5) Bromomethane	2.52	94	154452	46.654	ug/l	97
6) Chloroethane	2.66	64	160916	43.331	ug/l	100
7) Trichlorofluoromethane	2.98	101	307846	41.377	ug/l	99
8) Diethyl Ether	3.37	74	95370	41.921	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	158343	47.961	ug/l	98
10) Methyl Iodide	3.91	142	202836	44.257	ug/l	99
11) Tert butyl alcohol	4.73	59	120884	220.979	ug/l	100
12) 1,1-Dichloroethene	3.69	96	149345	42.341	ug/l	95
13) Acrolein	3.56	56	36735	229.272	ug/l	99
14) Allyl chloride	4.27	41	184320	39.971	ug/l	97
15) Acrylonitrile	4.92	53	324880	212.772	ug/l	98
16) Acetone	3.77	43	288922	255.028	ug/l	98
17) Carbon Disulfide	4.00	76	312476	40.266	ug/l	98
18) Methyl Acetate	4.27	43	154377	41.465	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	507403	42.209	ug/l	98
20) Methylene Chloride	4.50	84	176455	47.103	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	173459	43.607	ug/l	96
22) Diisopropyl ether	5.90	45	439479	43.241	ug/l	98
23) Vinyl Acetate	5.84	43	1605245	198.165	ug/l	97
24) 1,1-Dichloroethane	5.80	63	284939	44.212	ug/l	99
25) 2-Butanone	6.78	43	401355	205.915	ug/l	97
26) 2,2-Dichloropropane	6.77	77	266717	45.216	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	203929	45.274	ug/l	98
28) Bromochloromethane	7.14	49	113829	46.963	ug/l	97
29) Tetrahydrofuran	7.16	42	250787	195.121	ug/l	96
30) Chloroform	7.32	83	326173	45.746	ug/l	97
31) Cyclohexane	7.61	56	235660	40.658	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	291388	44.850	ug/l	99
36) 1,1-Dichloropropene	7.75	75	226483	48.468	ug/l	98
37) Ethyl Acetate	6.88	43	166120	44.139	ug/l	98
38) Carbon Tetrachloride	7.73	117	238198	52.848	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	270510	46.967	ug/l	98
40) Benzene	8.00	78	718088	49.806	ug/l	99
41) Methacrylonitrile	7.12	41	69767	40.460	ug/l #	73
42) 1,2-Dichloroethane	8.08	62	232711	48.212	ug/l	100
43) Isopropyl Acetate	8.12	43	289810	42.801	ug/l #	92
44) Trichloroethene	8.80	130	224854	50.747	ug/l	93
45) 1,2-Dichloropropane	9.08	63	171712	50.156	ug/l	100
46) Dibromomethane	9.17	93	129426	49.292	ug/l	97
47) Bromodichloromethane	9.37	83	263968	50.743	ug/l	99
48) Methyl methacrylate	9.17	41	127072	41.712	ug/l	97
49) 1,4-Dioxane	9.16	88	59184	1254.038	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	853200	223.601	ug/l	99
52) Toluene	10.12	92	479641	50.970	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	278545	49.705	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	302453	50.195	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	190143	50.717	ug/l	97
56) Ethyl methacrylate	10.40	69	251921	48.103	ug/l	97
57) 1,3-Dichloropropane	10.68	76	302967	50.527	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	496536	221.860	ug/l	98
59) 2-Hexanone	10.72	43	613104	223.732	ug/l	97
60) Dibromochloromethane	10.87	129	226636	53.174	ug/l	99
61) 1,2-Dibromoethane	10.98	107	201471	51.526	ug/l	99
64) Tetrachloroethene	10.60	164	248008	51.128	ug/l	98
65) Chlorobenzene	11.40	112	538934	50.313	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	205829	51.606	ug/l	100
67) Ethyl Benzene	11.48	91	926464	50.042	ug/l	100
68) m/p-Xylenes	11.59	106	744539	101.425	ug/l	98
69) o-Xylene	11.92	106	350565	50.280	ug/l	99
70) Styrene	11.94	104	602582	52.188	ug/l	99
71) Bromoform	12.10	173	161322	52.491	ug/l #	99
73) Isopropylbenzene	12.22	105	938763	48.062	ug/l	100
74) N-amyl acetate	12.04	43	258239	41.982	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	240800	43.993	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	219376m	45.081	ug/l	
77) Bromobenzene	12.50	156	249233	49.988	ug/l	95
78) n-propylbenzene	12.56	91	1051226	48.209	ug/l	99
79) 2-Chlorotoluene	12.65	91	610630	46.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	783328	47.982	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	84316	44.309	ug/l	99
82) 4-Chlorotoluene	12.75	91	646087	47.233	ug/l	98
83) tert-Butylbenzene	12.97	119	676418	46.894	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	788558	48.621	ug/l	98
85) sec-Butylbenzene	13.15	105	875444	47.100	ug/l	100
86) p-Isopropyltoluene	13.26	119	826716	48.298	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	444506	50.347	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	445742	49.559	ug/l	99
89) n-Butylbenzene	13.59	91	673284	46.961	ug/l	99
90) Hexachloroethane	13.85	117	112144	59.241	ug/l	90
91) 1,2-Dichlorobenzene	13.63	146	427922	50.717	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	43338	38.823	ug/l	94

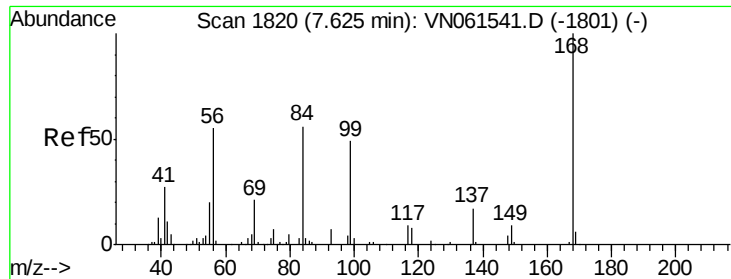
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060920\
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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	248240	50.307	ug/l	99
94) Hexachlorobutadiene	14.98	225	106236	50.480	ug/l	98
95) Naphthalene	15.10	128	675829	44.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	238612	49.182	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

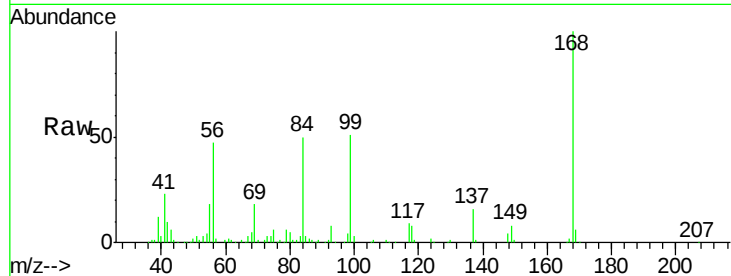
VSTDCCC050

Tot Ion:168 Resp: 345189

Ion Ratio Lower Upper

168 100

99 50.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

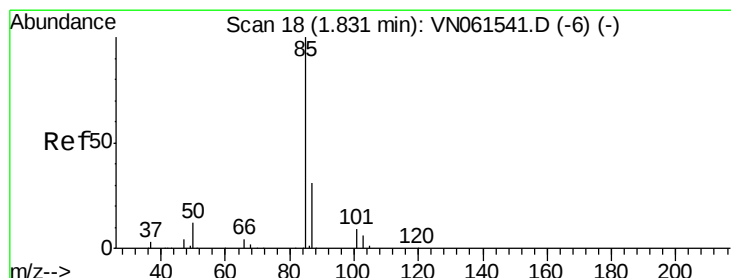
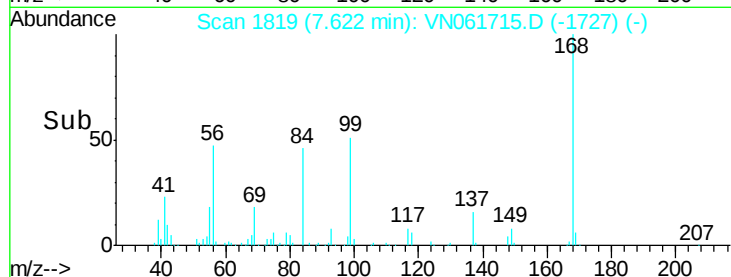
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 44.279 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061715.D

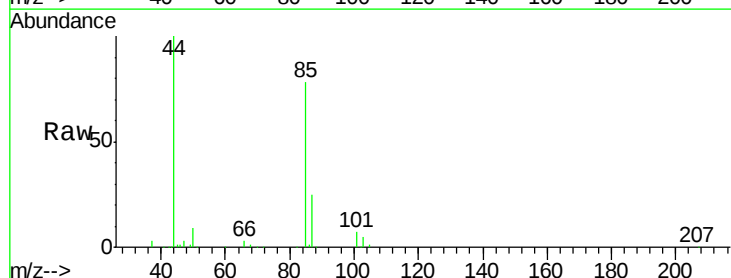
Acq: 9 Jun 2020 10:22

Tgt Ion: 85 Resp: 175940

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

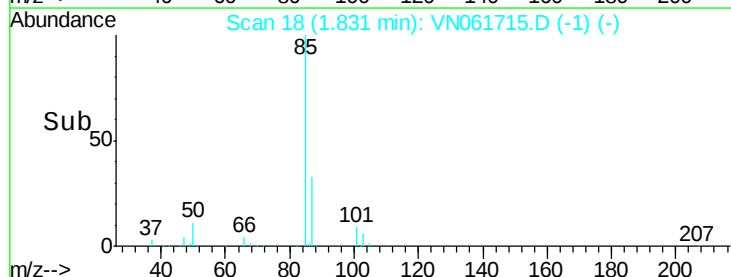
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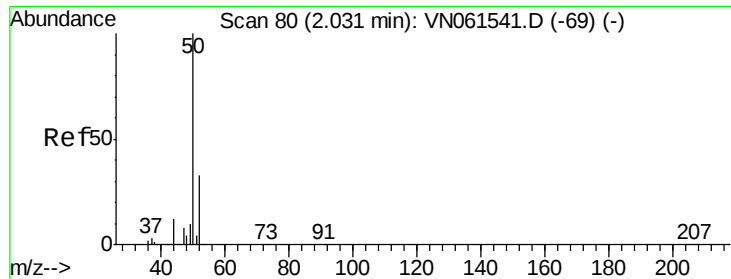
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 41.399 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

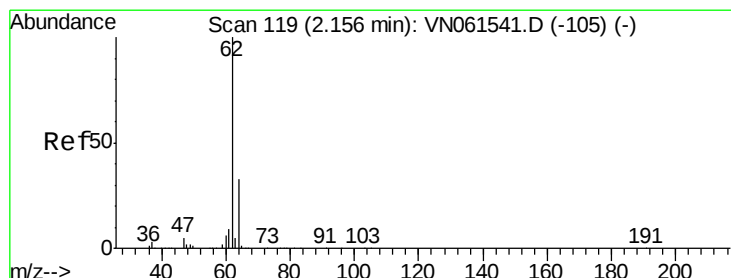
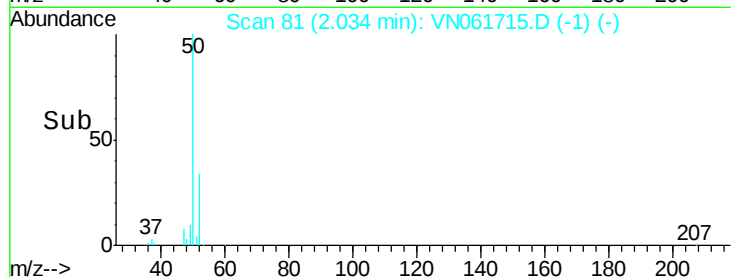
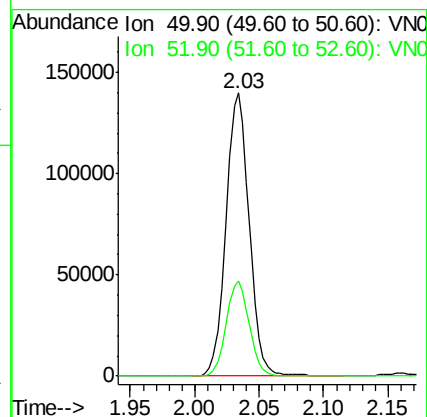
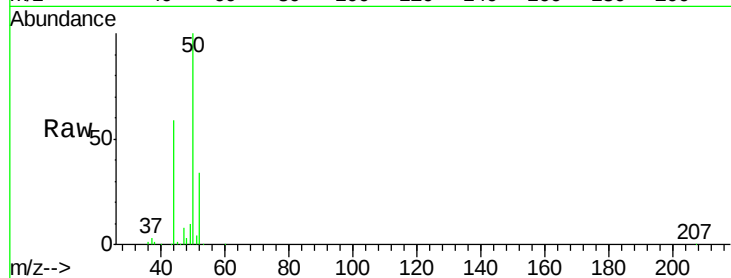
VSTDCCC050

Tot Ion: 50 Resp: 174296

Ion Ratio Lower Upper

50 100

52 33.7 26.7 40.1



#4

Vinyl Chloride

Concen: 42.332 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061715.D

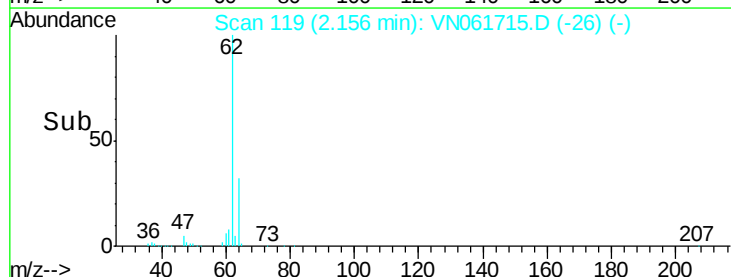
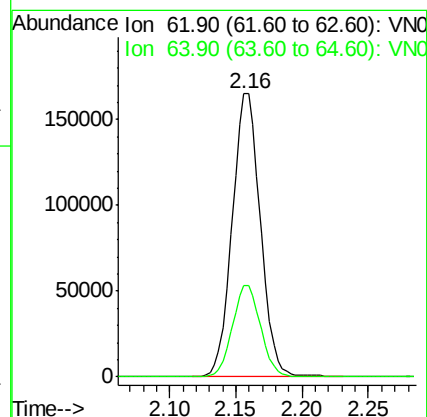
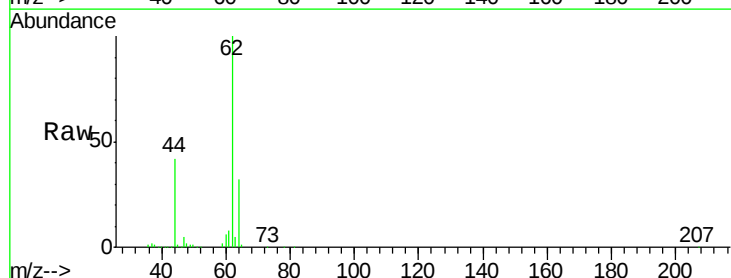
Acq: 9 Jun 2020 10:22

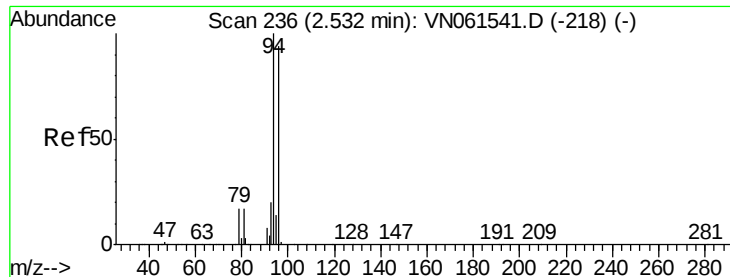
Tgt Ion: 62 Resp: 244234

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.2





#5

Bromomethane

Concen: 46.654 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

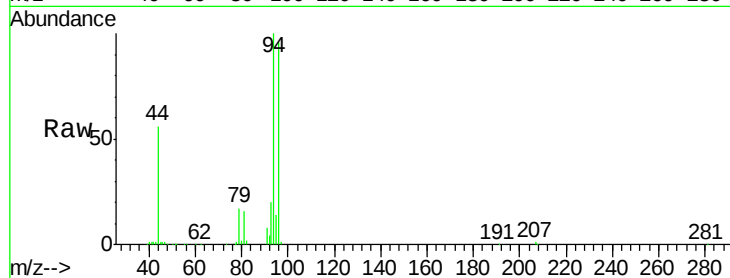
VSTDCCC050

Tot Ion: 94 Resp: 154452

Ion Ratio Lower Upper

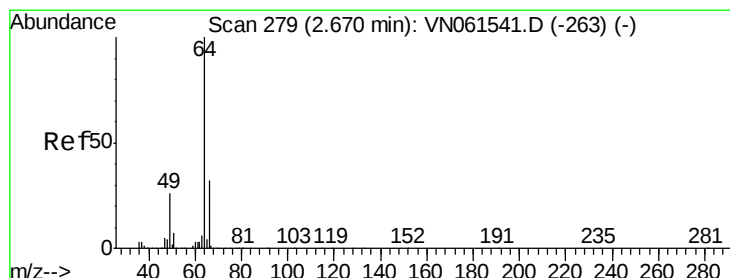
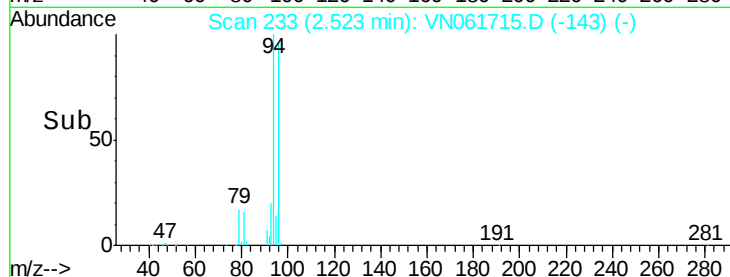
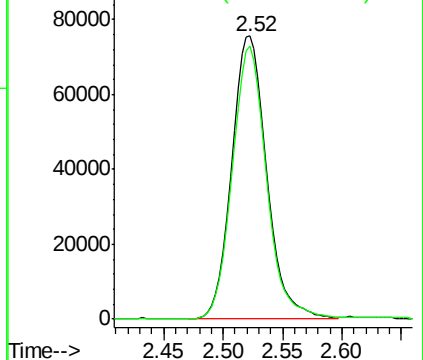
94 100

96 96.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.331 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN061715.D

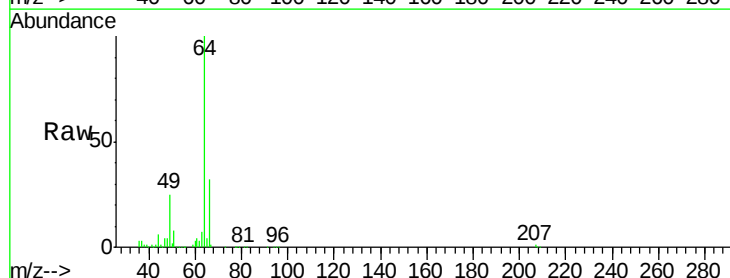
Acq: 9 Jun 2020 10:22

Tgt Ion: 64 Resp: 160916

Ion Ratio Lower Upper

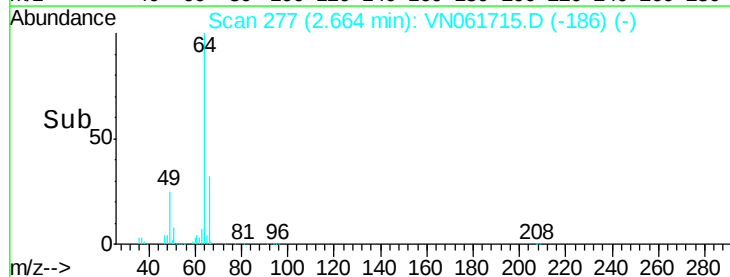
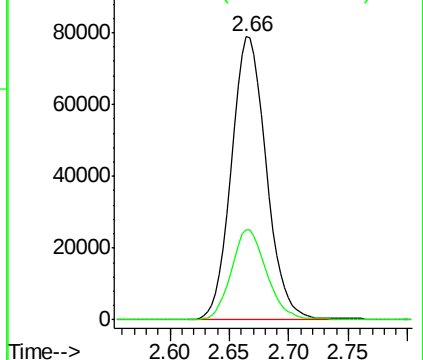
64 100

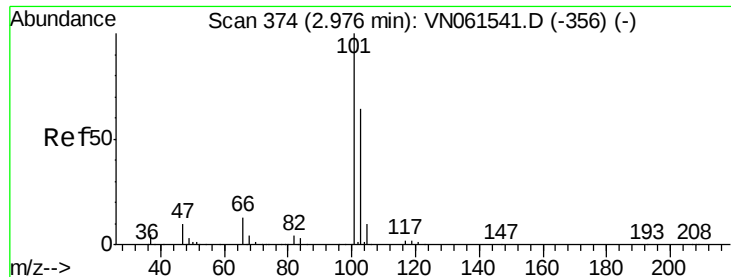
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



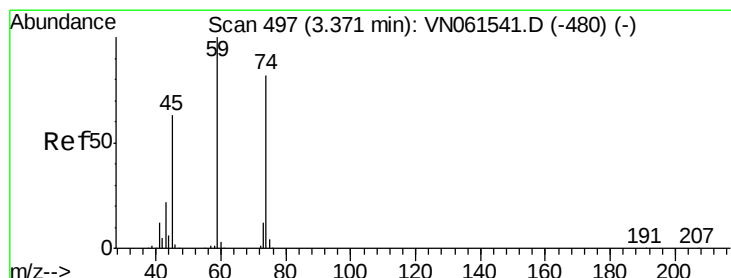
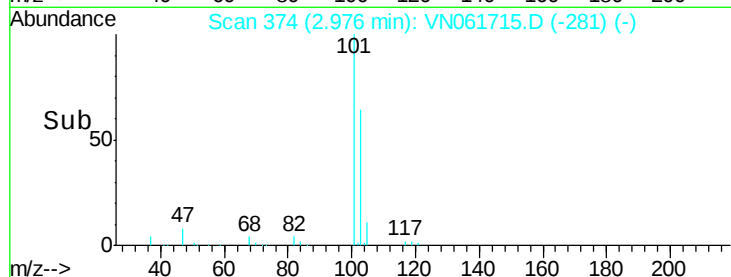
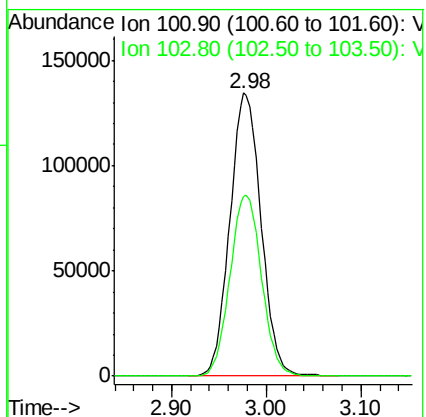
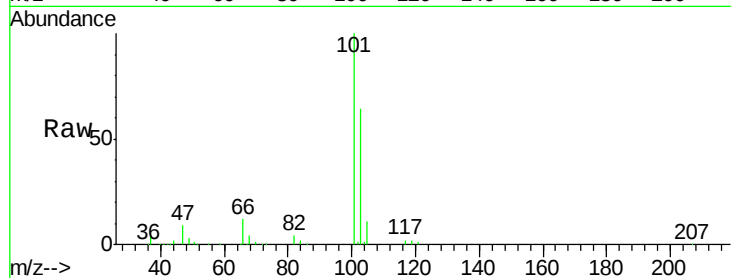


#7

Trichlorofluoromethane
 Concen: 41.377 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Instrument :
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 VSTDCCC050

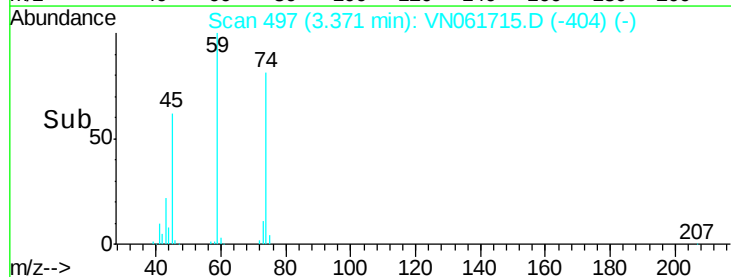
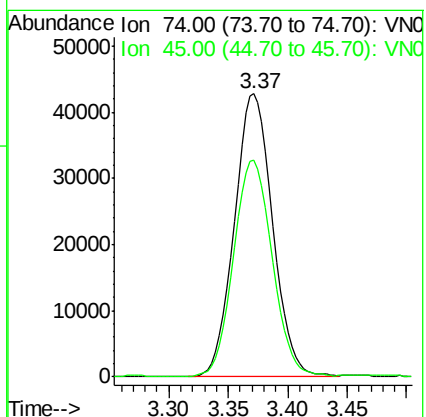
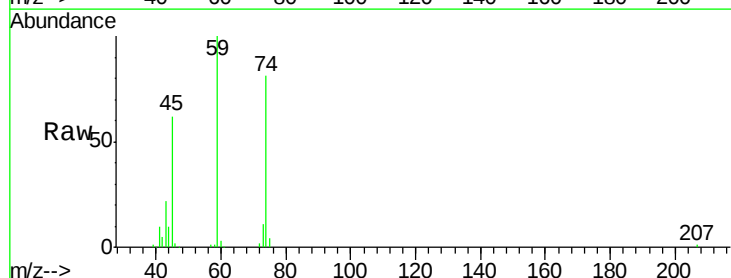
Tot Ion:101 Resp: 307846
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.4 77.2

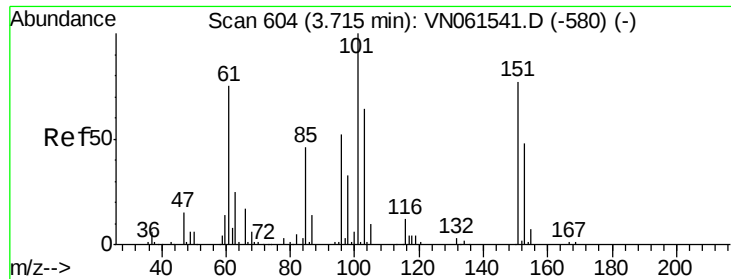


#8

Diethyl Ether
 Concen: 41.921 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Tgt Ion: 74 Resp: 95370
 Ion Ratio Lower Upper
 74 100
 45 77.8 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.961 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

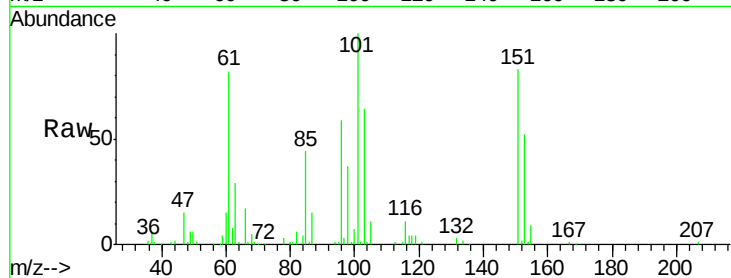
Tot Ion:101 Resp: 158343

Ion Ratio Lower Upper

101 100

85 43.6 35.2 52.8

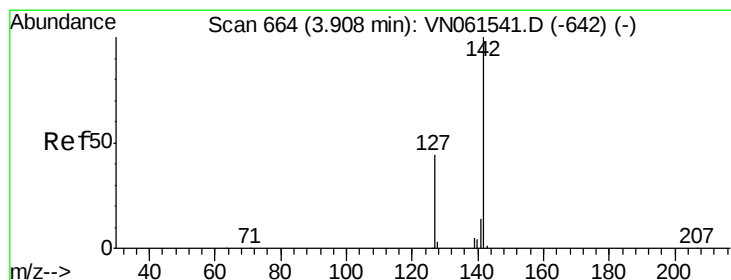
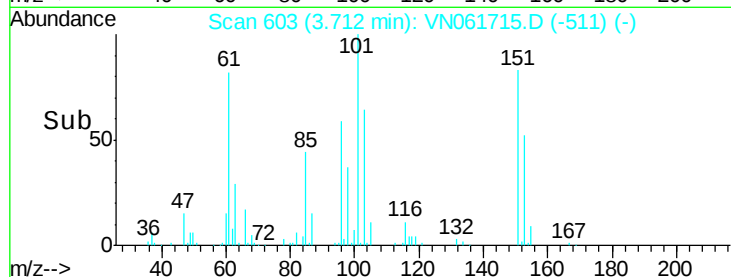
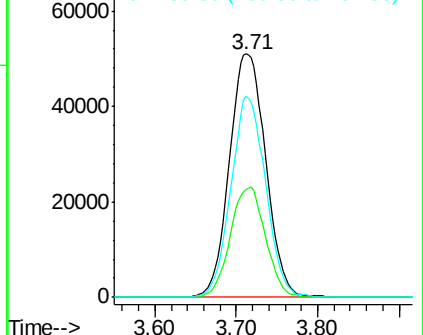
151 78.5 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.257 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

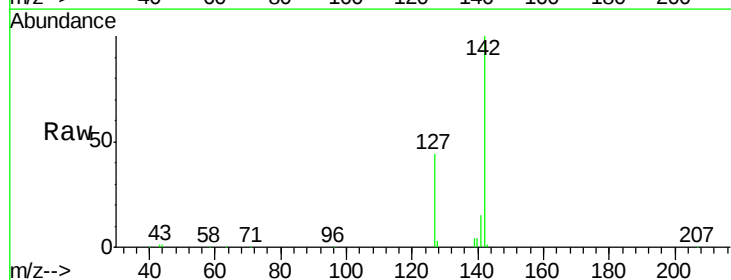
Tgt Ion:142 Resp: 202836

Ion Ratio Lower Upper

142 100

127 44.1 35.5 53.3

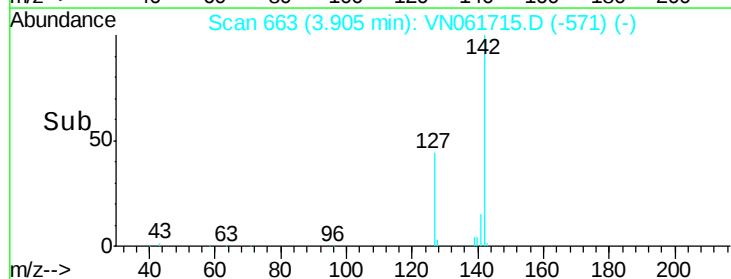
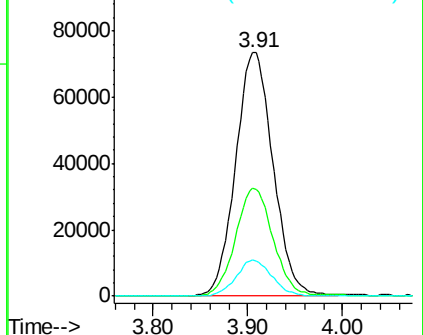
141 14.1 11.5 17.3

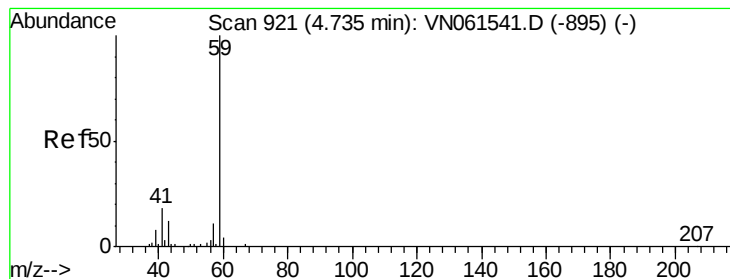


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 220.979 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

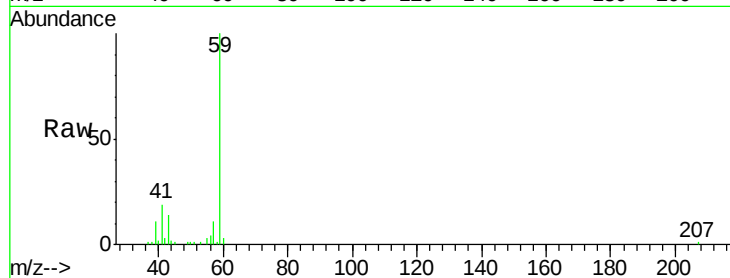
VSTDCCC050

Tot Ion: 59 Resp: 120884

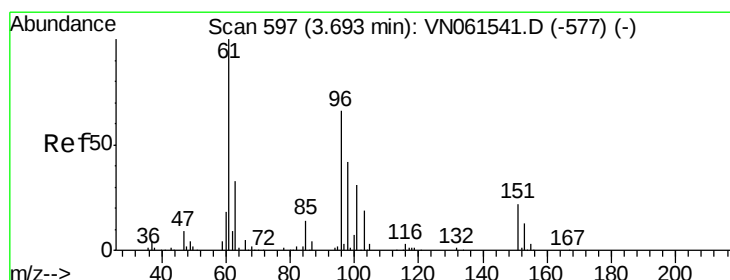
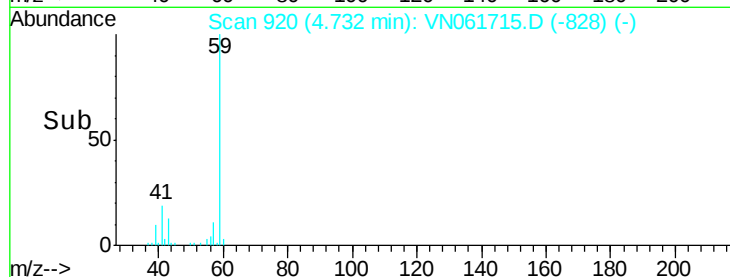
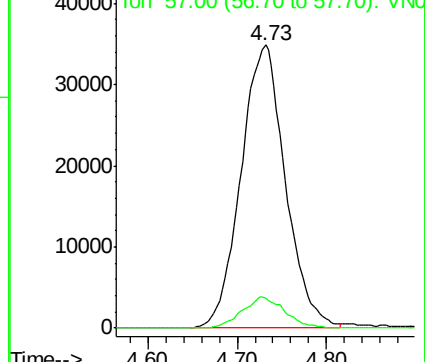
Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN061715.D (-828) (-)



#12

1,1-Dichloroethene

Concen: 42.341 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

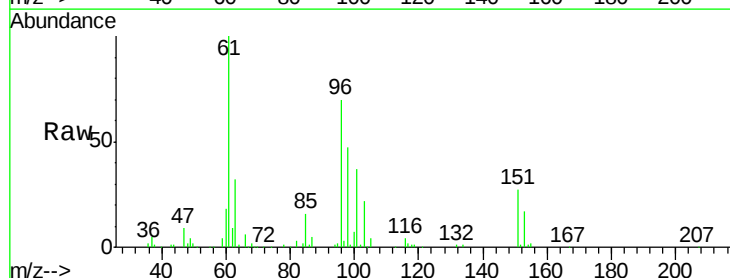
Tgt Ion: 96 Resp: 149345

Ion Ratio Lower Upper

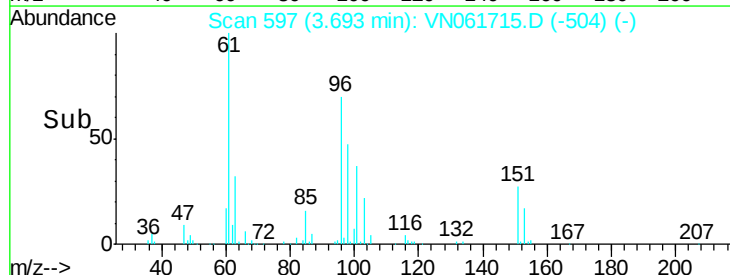
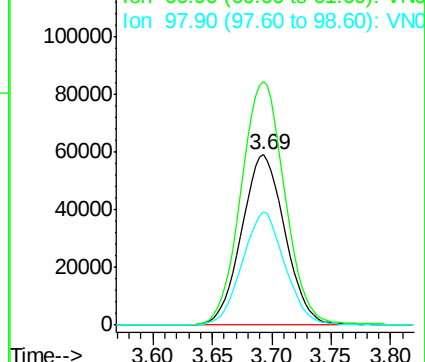
96 100

61 142.9 120.5 180.7

98 66.6 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN061715.D (-504) (-)





#13

Acrolein

Concen: 229.272 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

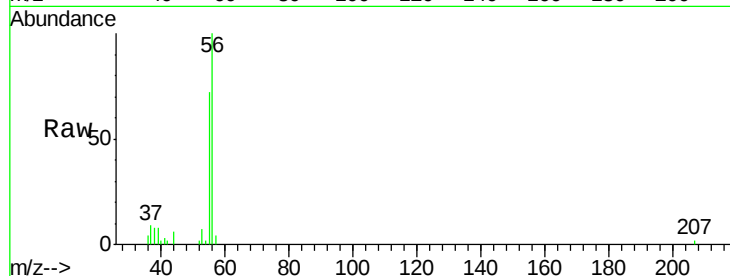
VSTDCCC050

Tot Ion: 56 Resp: 36735

Ion Ratio Lower Upper

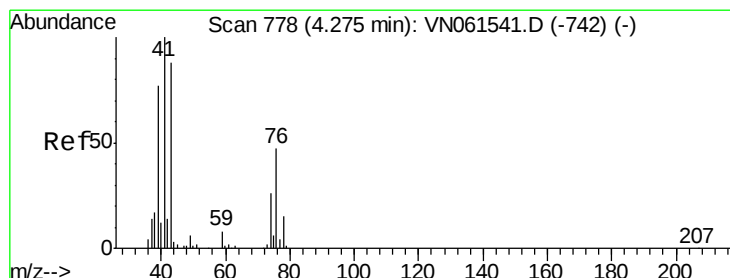
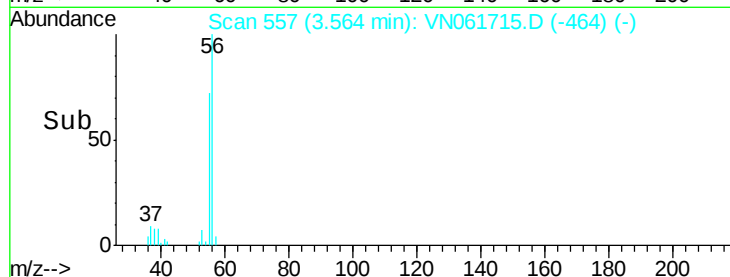
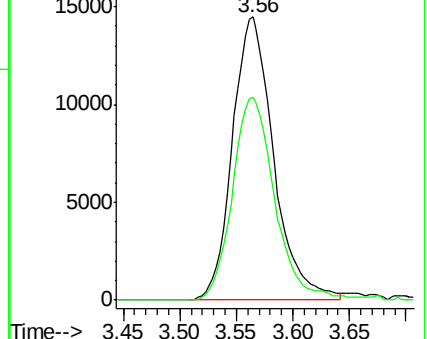
56 100

55 73.1 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 39.971 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

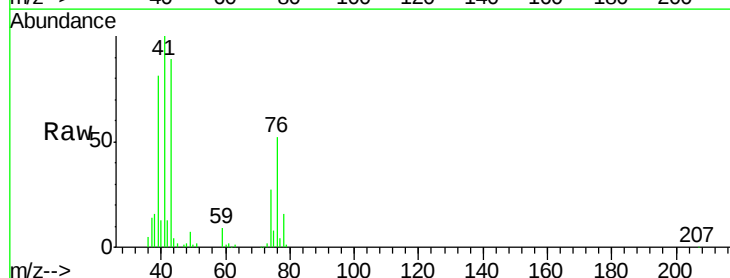
Tgt Ion: 41 Resp: 184320

Ion Ratio Lower Upper

41 100

39 74.4 58.6 88.0

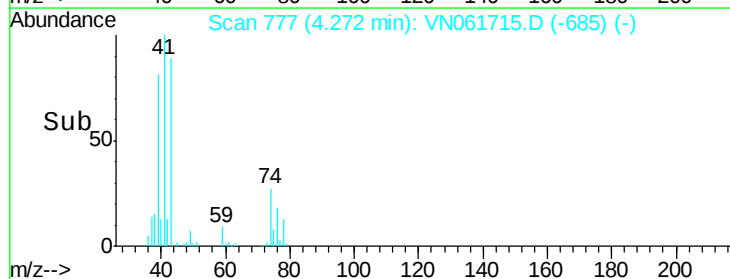
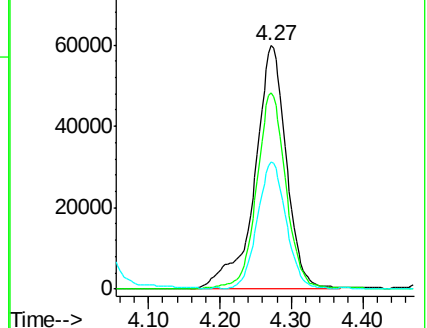
76 46.4 34.2 51.4

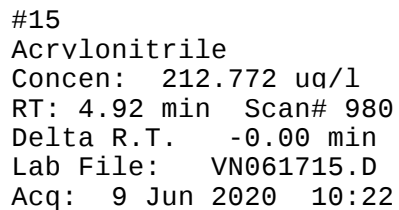


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

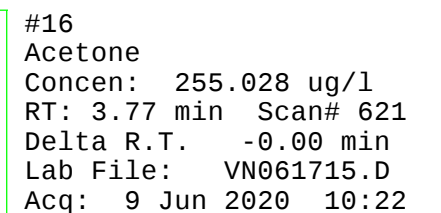
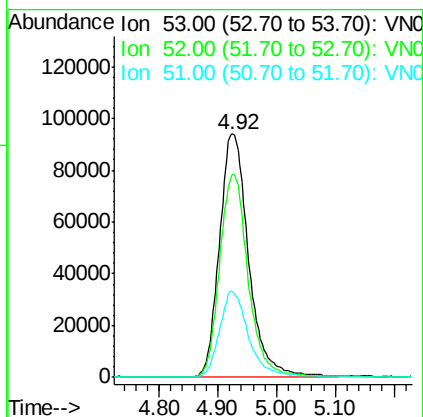
Ion 75.90 (75.60 to 76.60): VN0



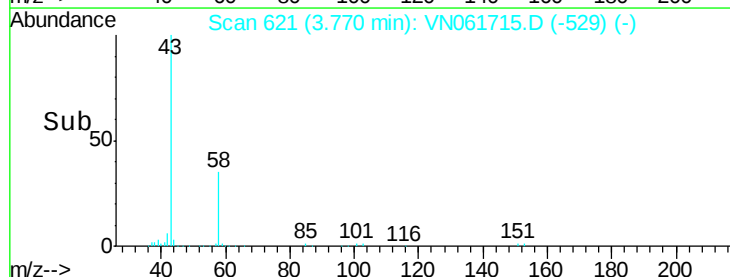
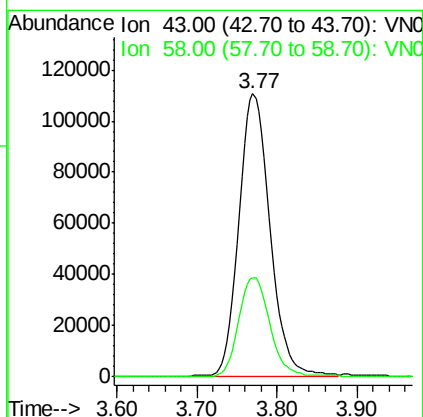


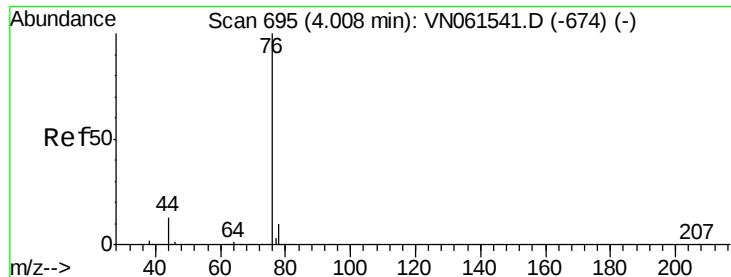
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot	Ion: 53	Resp:	324880
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.4	98.2
51	34.9	29.0	43.6



Tgt	Ion: 43	Resp:	288922
Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.2	40.8

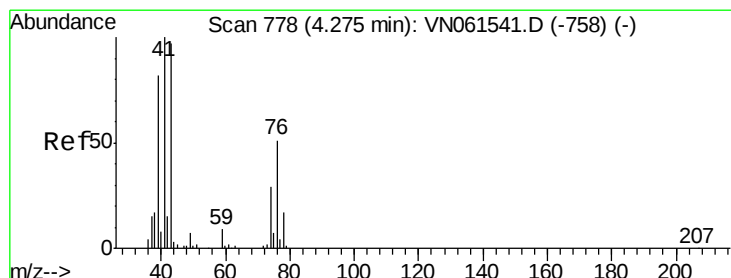
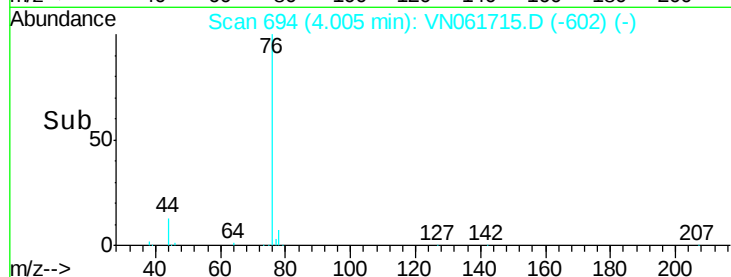
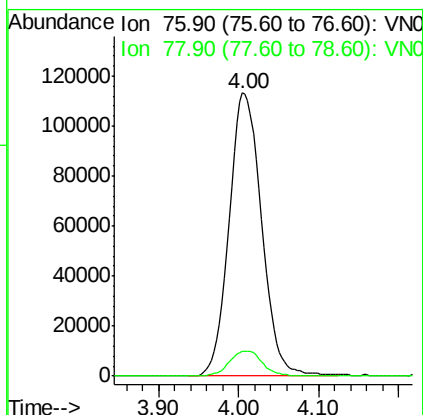
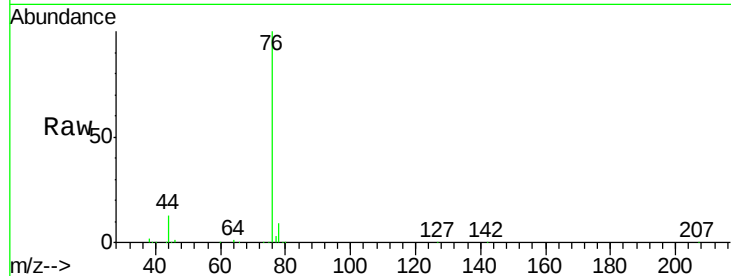




#17
Carbon Disulfide
Concen: 40.266 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

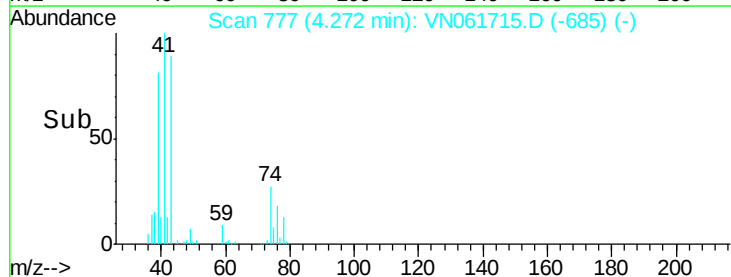
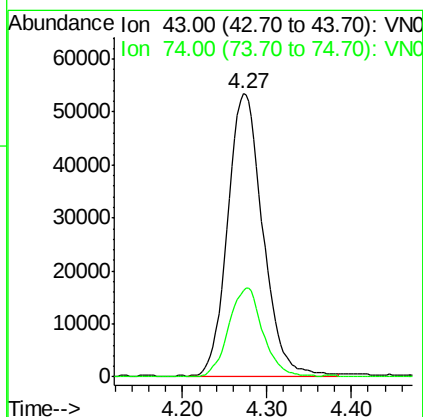
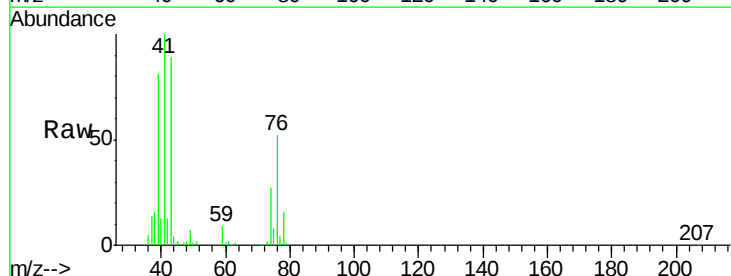
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

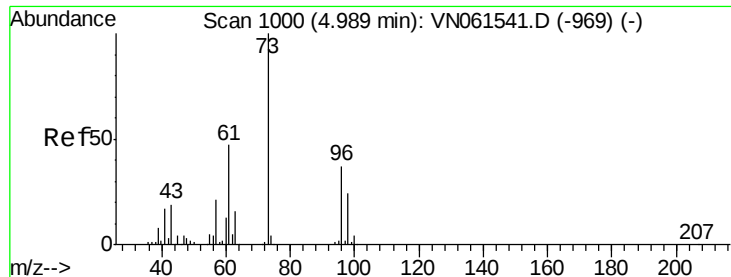
Tot Ion: 76 Resp: 312476
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6



#18
Methyl Acetate
Concen: 41.465 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 43 Resp: 154377
Ion Ratio Lower Upper
43 100
74 30.9 23.2 34.8

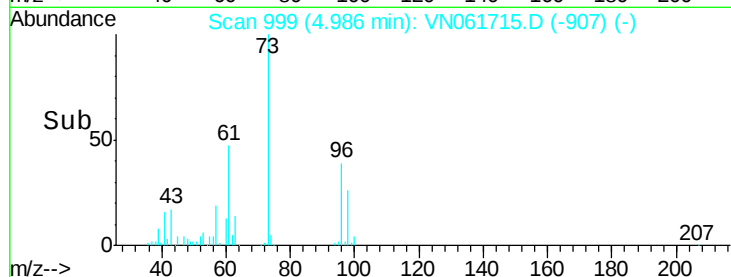
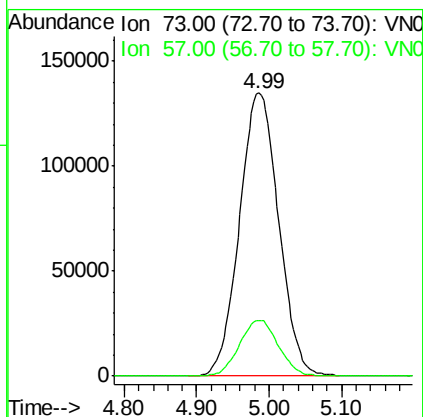
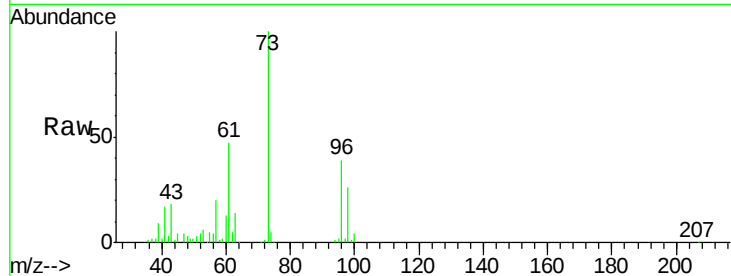




#19
Methvl tert-butvl Ether
Concen: 42.209 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

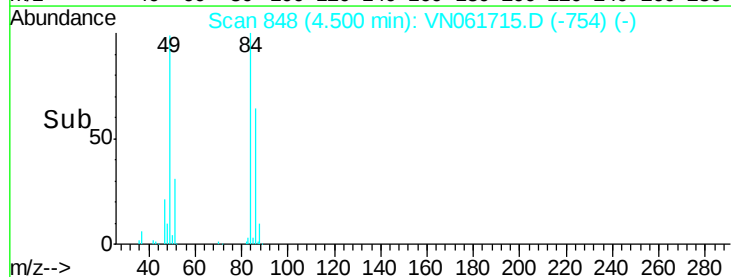
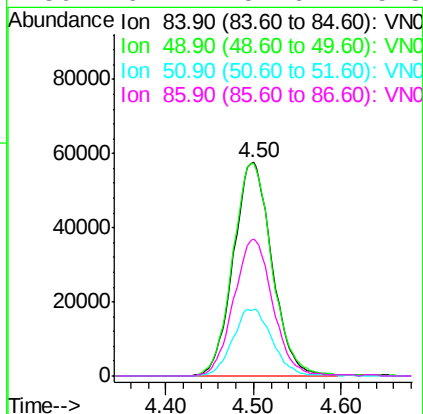
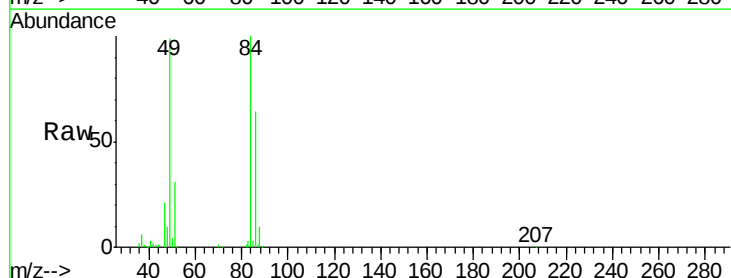
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

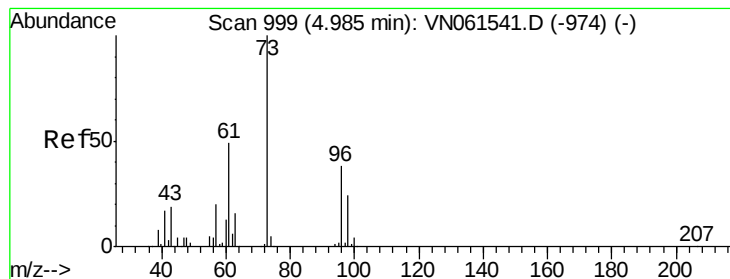
Tot Ion: 73 Resp: 507403
Ion Ratio Lower Upper
73 100
57 19.6 16.4 24.6



#20
Methylene Chloride
Concen: 47.103 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 84 Resp: 176455
Ion Ratio Lower Upper
84 100
49 99.3 85.8 128.8
51 31.1 26.2 39.2
86 64.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 43.607 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

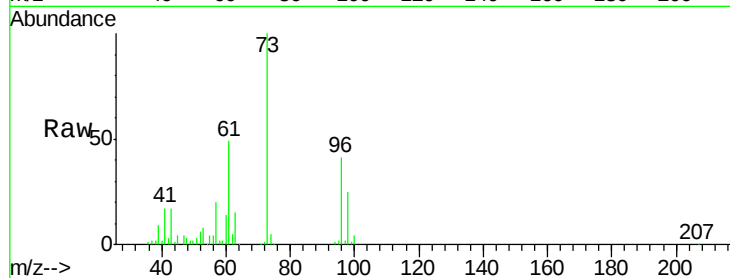
Tot Ion: 96 Resp: 173459

Ion Ratio Lower Upper

96 100

61 120.4 101.4 152.0

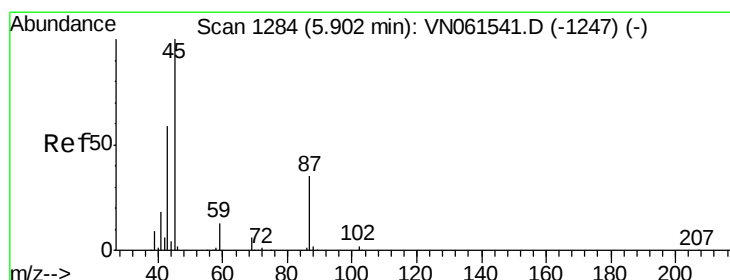
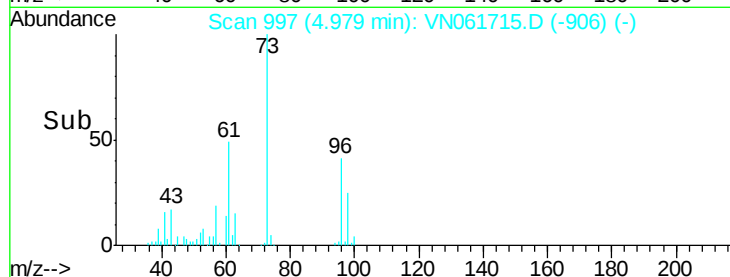
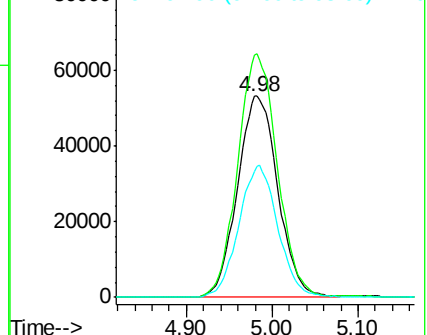
98 62.3 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061715.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN061715.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN061715.D (-906) (-)



#22

Diisopropyl ether

Concen: 43.241 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Tgt Ion: 45 Resp: 439479

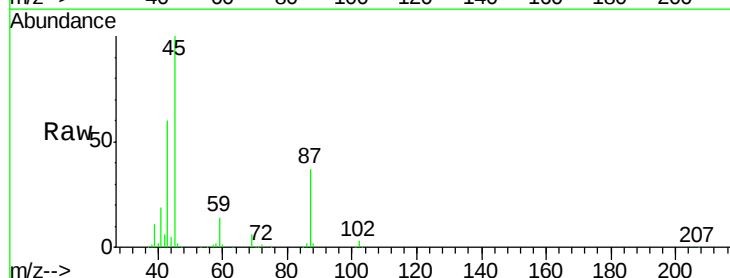
Ion Ratio Lower Upper

45 100

43 58.4 47.9 71.9

87 36.6 28.4 42.6

59 13.3 10.5 15.7

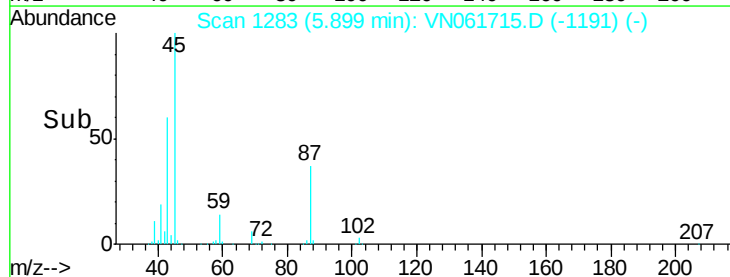
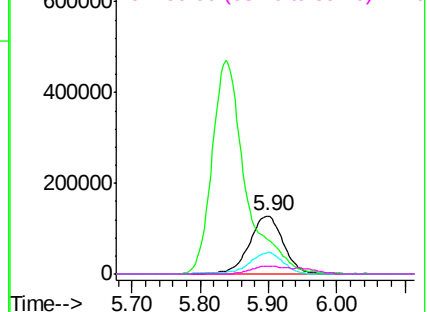


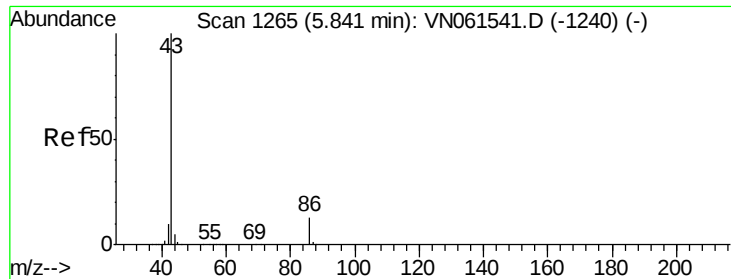
Abundance Ion 45.00 (44.70 to 45.70): VN061715.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061715.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061715.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061715.D (-1191) (-)





#23

Vinyl Acetate

Concen: 198.165 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

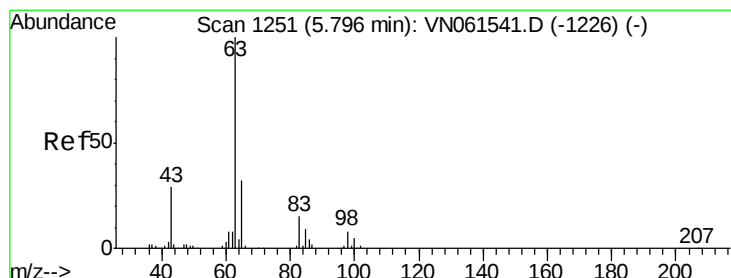
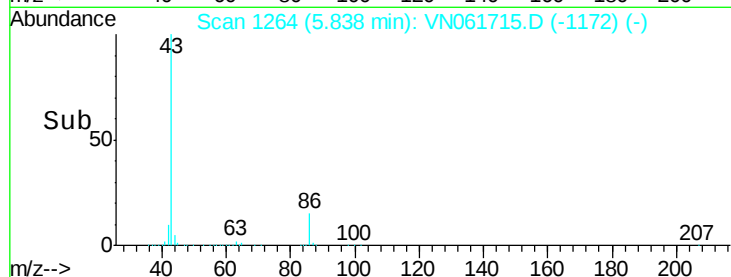
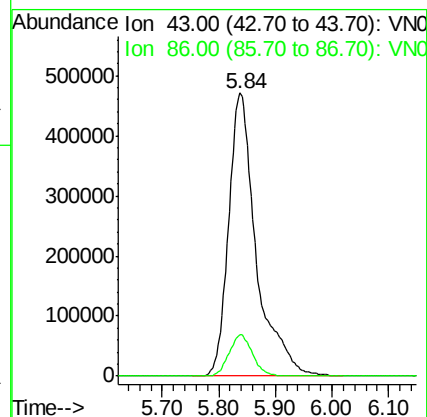
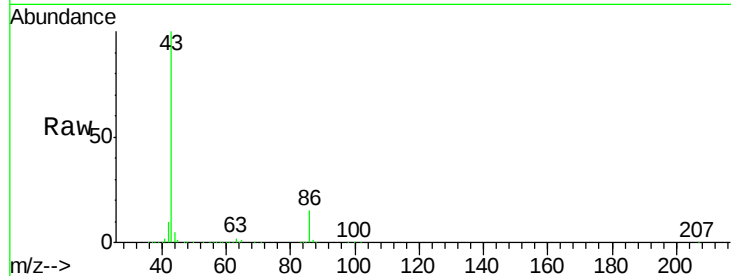
VSTDCCC050

Tot Ion: 43 Resp: 1605245

Ion Ratio Lower Upper

43 100

86 14.6 10.6 16.0



#24

1,1-Dichloroethane

Concen: 44.212 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

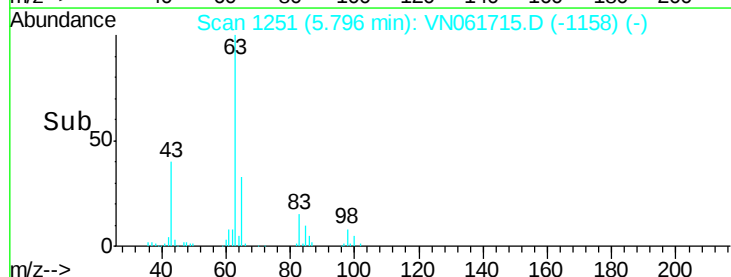
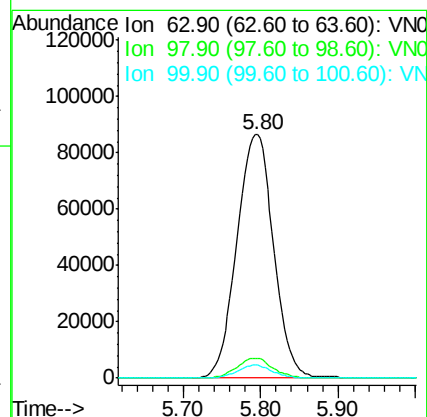
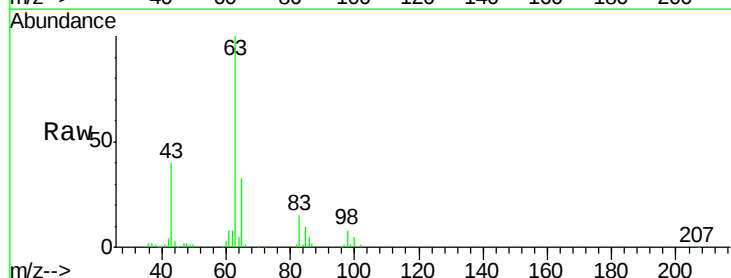
Tgt Ion: 63 Resp: 284939

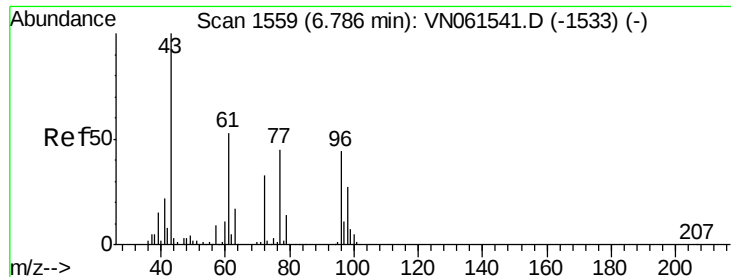
Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.4

100 5.3 2.5 7.6

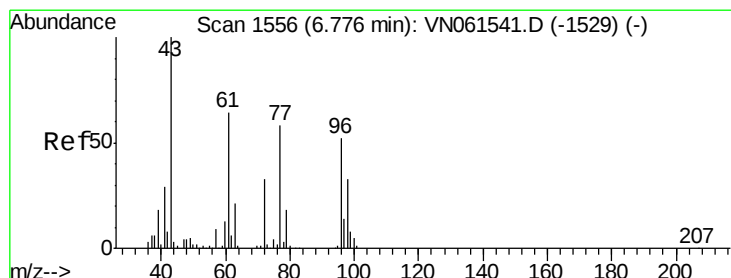
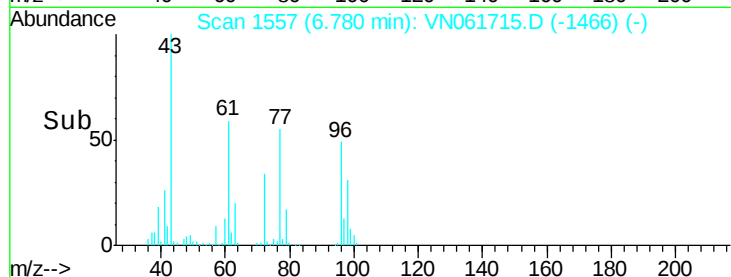
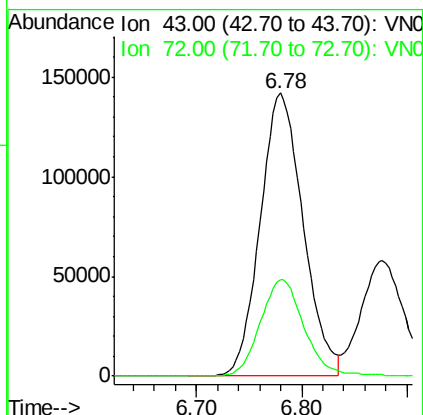
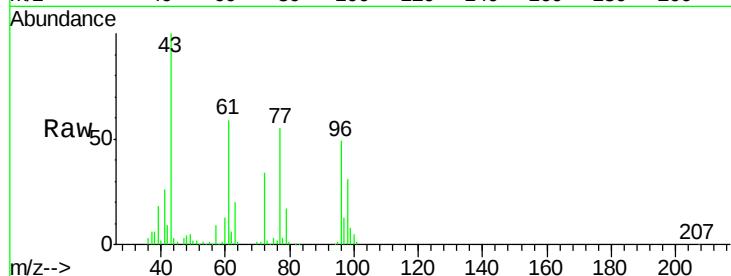




#25
2-Butanone
Concen: 205.915 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

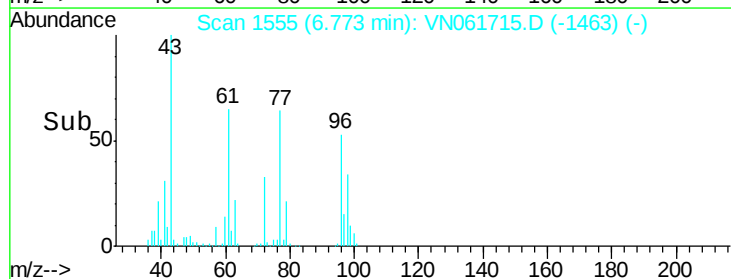
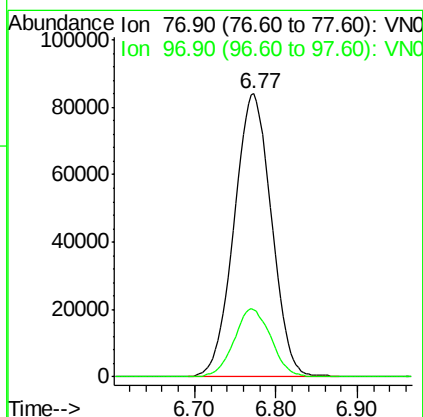
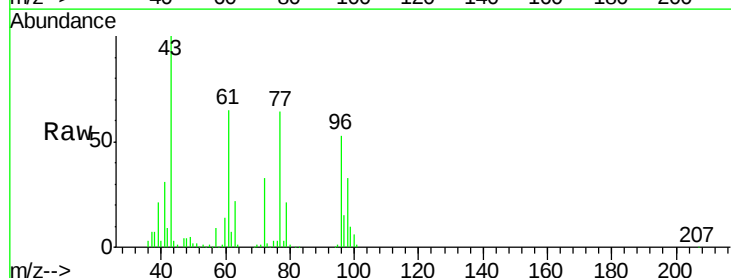
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

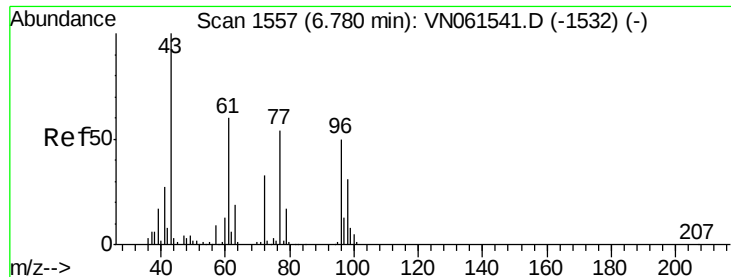
Tot Ion: 43 Resp: 401355
Ion Ratio Lower Upper
43 100
72 34.1 26.0 39.0



#26
2,2-Dichloropropane
Concen: 45.216 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 77 Resp: 266717
Ion Ratio Lower Upper
77 100
97 23.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 45.274 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

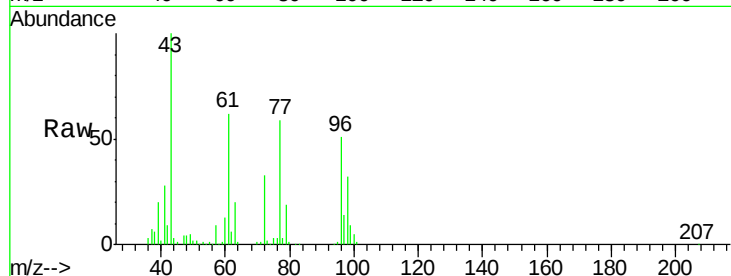
Tot Ion: 96 Resp: 203929

Ion Ratio Lower Upper

96 100

61 123.3 0.0 252.2

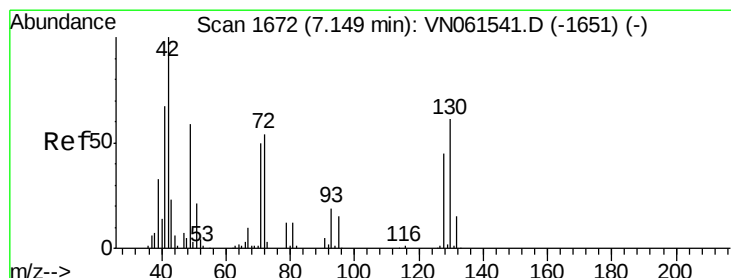
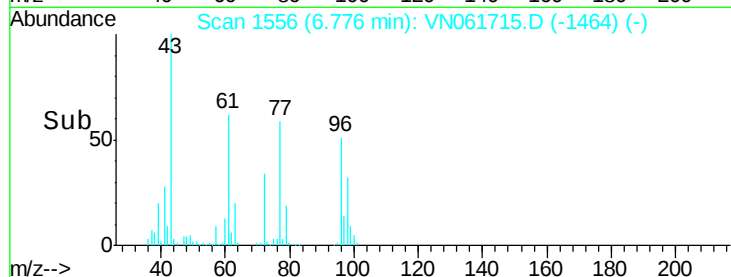
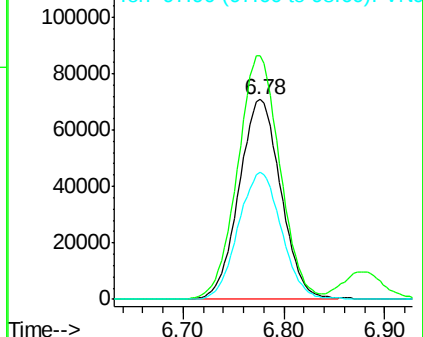
98 65.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061715.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061715.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061715.D (-1464) (-)



#28

Bromochloromethane

Concen: 46.963 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

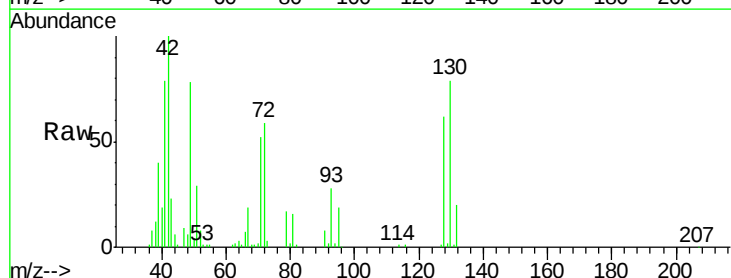
Tgt Ion: 49 Resp: 113829

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.8

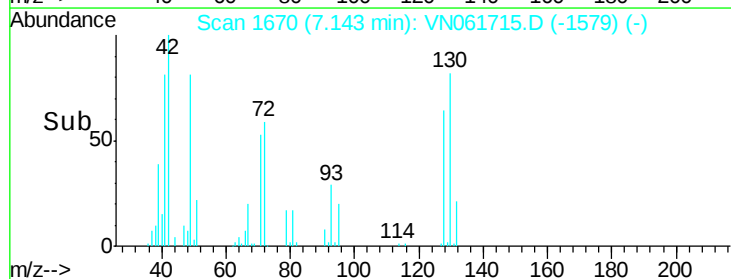
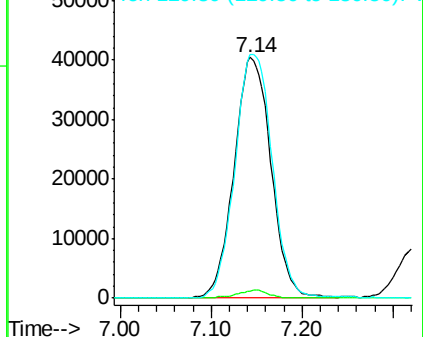
130 102.0 78.8 118.2

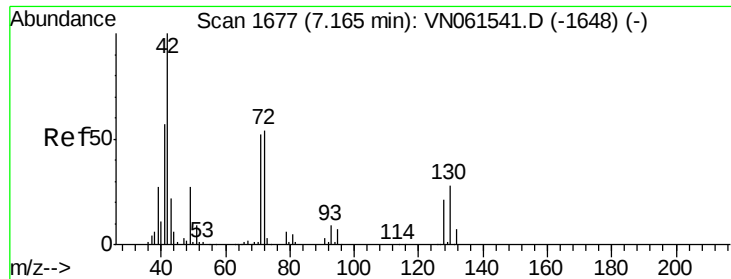


Abundance Ion 48.90 (48.60 to 49.60): VN061715.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061715.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061715.D (-1579) (-)

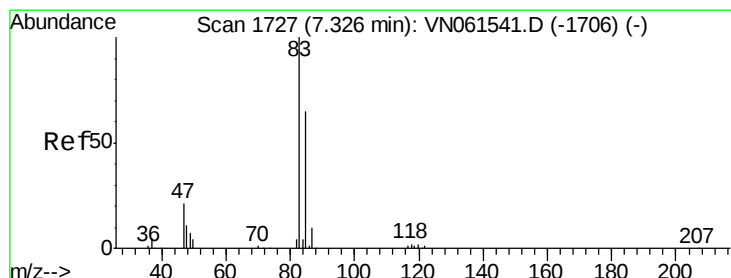
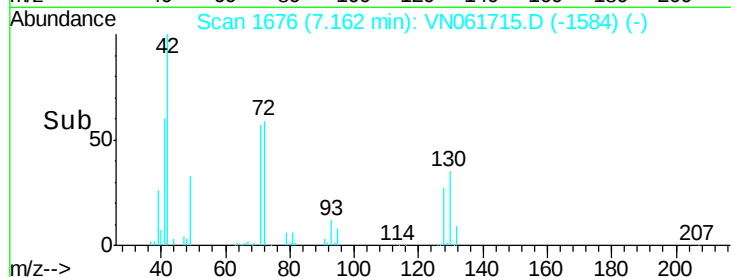
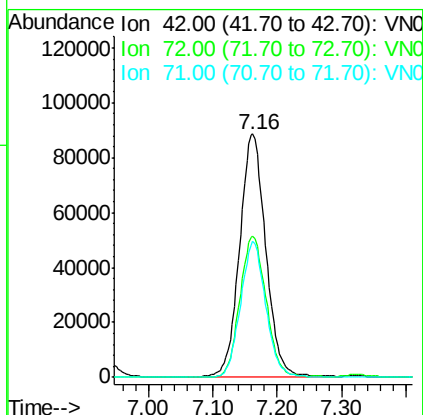
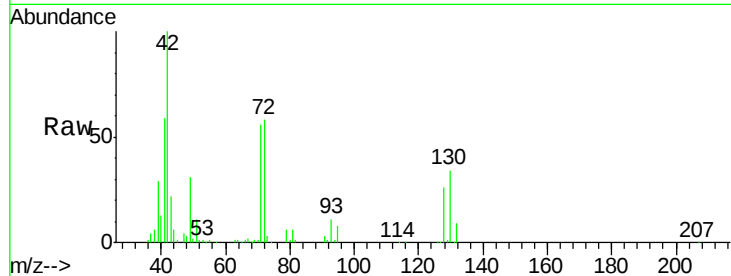




#29
Tetrahydrofuran
Concen: 195.121 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

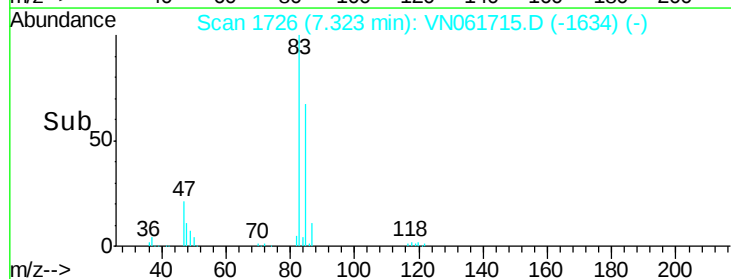
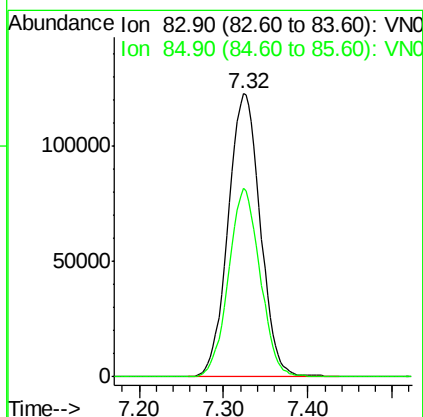
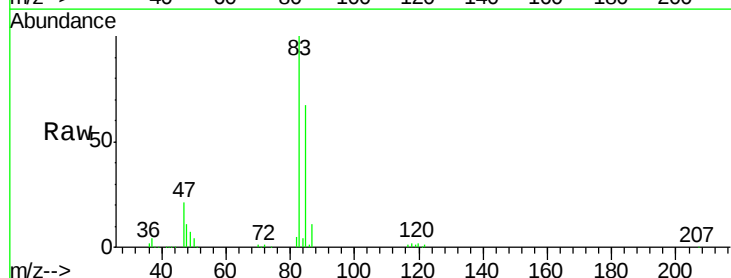
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 250787
Ion Ratio Lower Upper
42 100
72 57.7 43.6 65.4
71 53.4 41.2 61.8



#30
Chloroform
Concen: 45.746 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 83 Resp: 326173
Ion Ratio Lower Upper
83 100
85 66.7 51.7 77.5





#31

Cyclohexane

Concen: 40.658 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

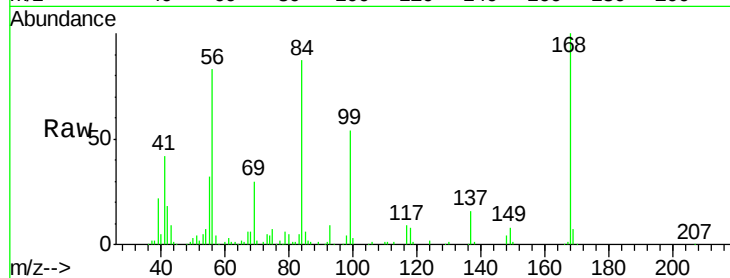
Tot Ion: 56 Resp: 235660

Ion Ratio Lower Upper

56 100

69 36.0 27.8 41.8

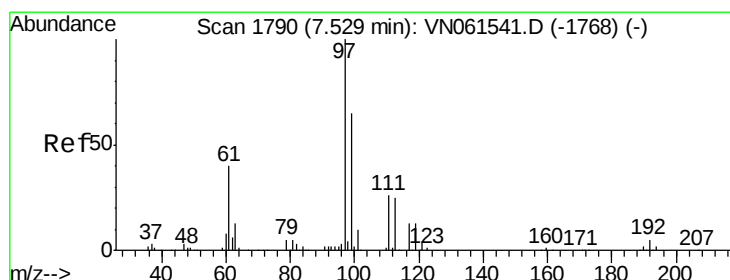
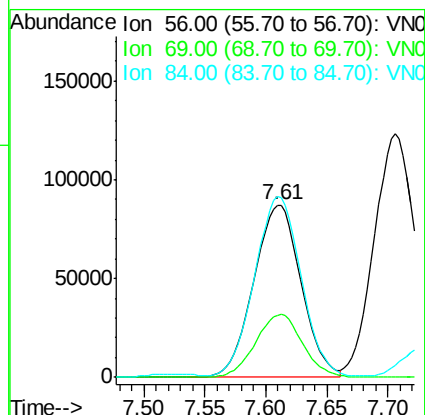
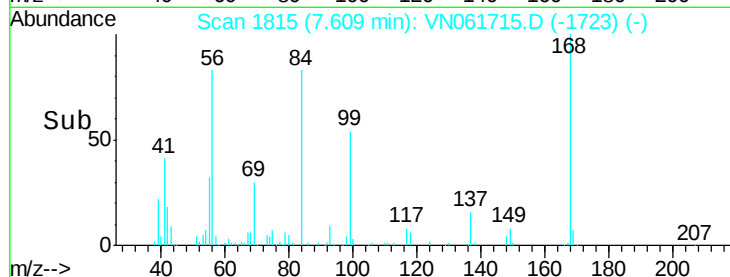
84 103.4 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN061715.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061715.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061715.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 44.850 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

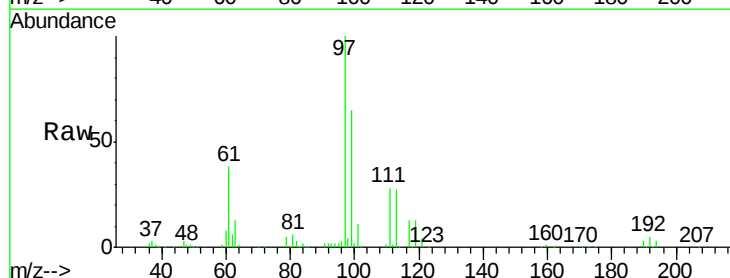
Tgt Ion: 97 Resp: 291388

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

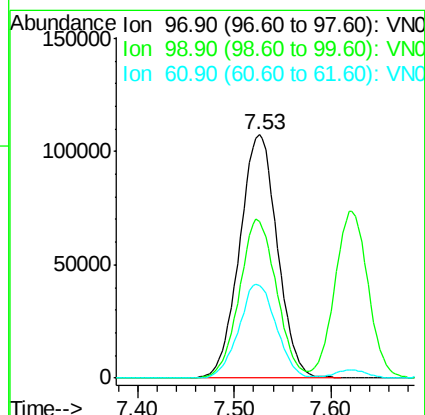
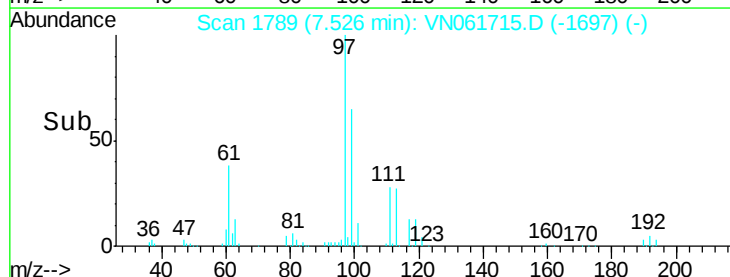
61 38.3 31.4 47.0

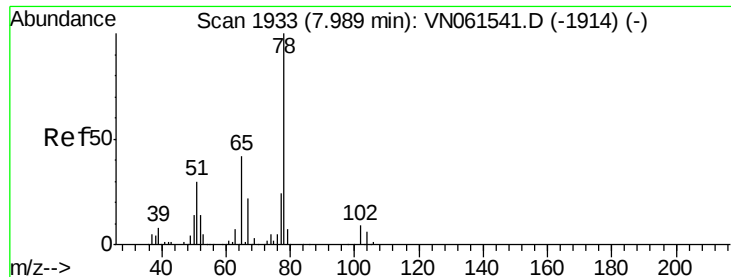


Abundance Ion 96.90 (96.60 to 97.60): VN061715.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061715.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061715.D (-1697) (-)





#33

1,2-Dichloroethane-d4

Concen: 43.812 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

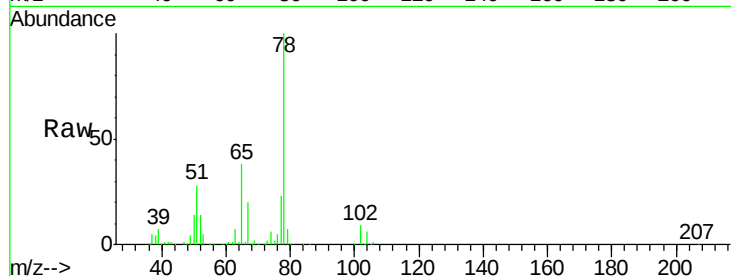
VSTDCCC050

Tot Ion: 65 Resp: 180188

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061715.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061715.D (-1840) (-)

7.99

80000

60000

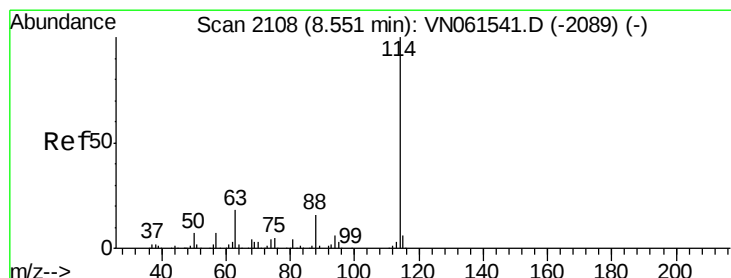
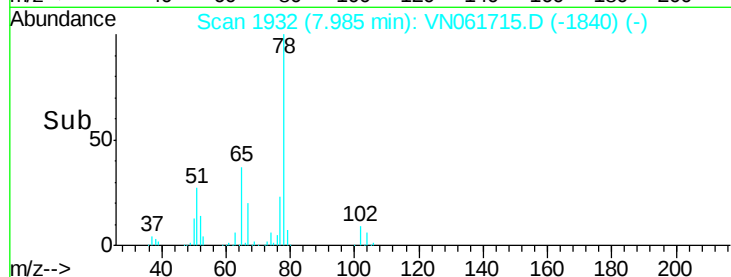
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

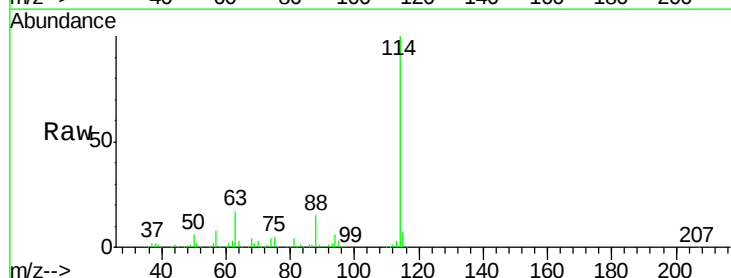
Tgt Ion: 114 Resp: 527843

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.8

88 14.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061715.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN061715.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN061715.D (-2015) (-)

8.55

300000

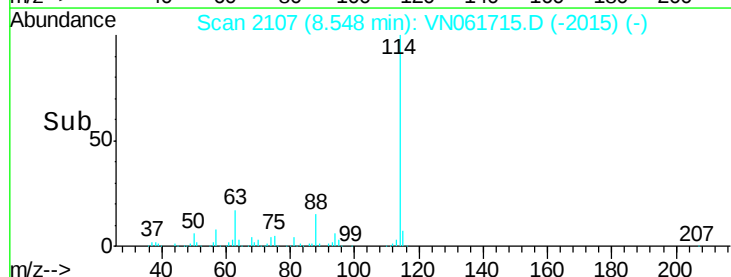
200000

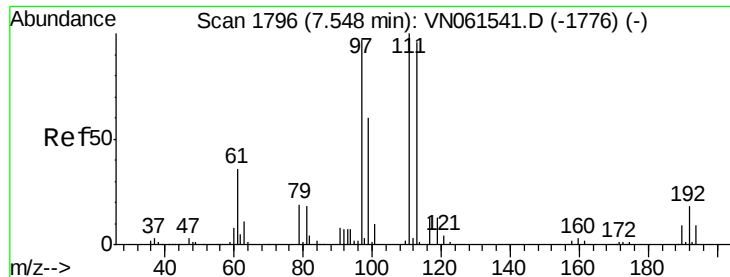
100000

0

8.50 8.55 8.60 8.65

Time-->

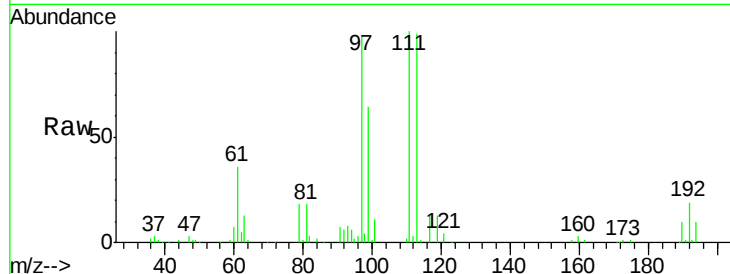




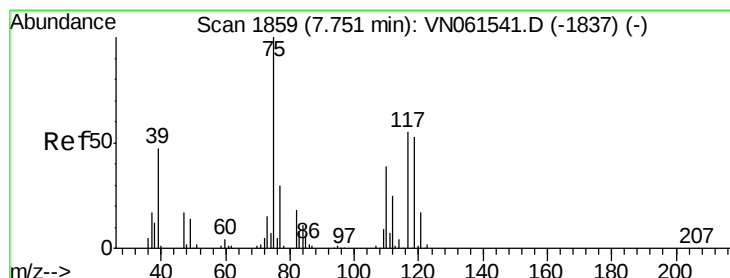
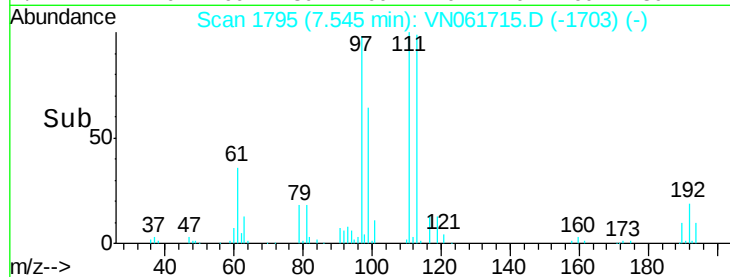
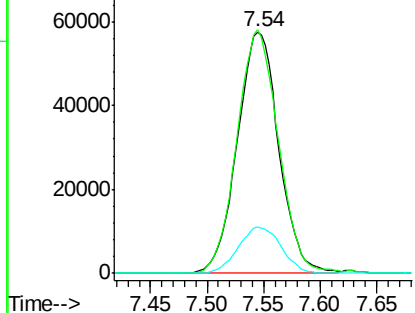
#35
 Dibromofluoromethane
 Concen: 54.648 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.4	125.0
192	19.9	15.4	23.2

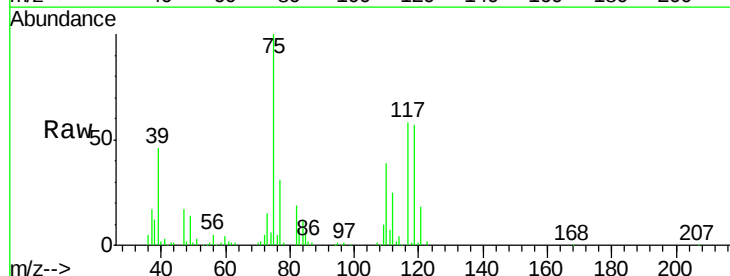


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

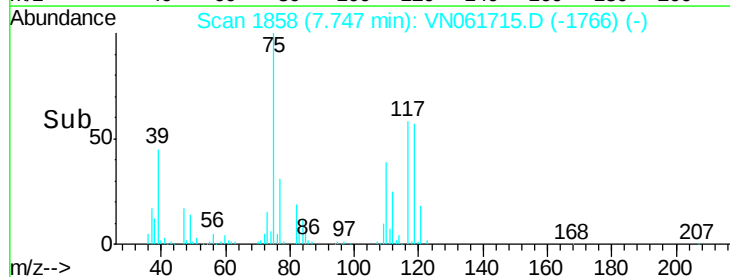
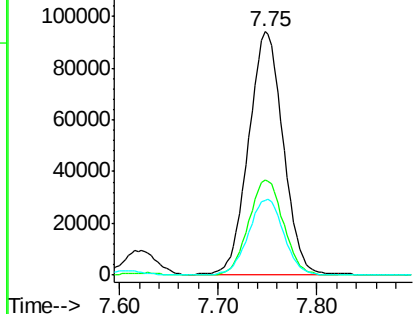


#36
 1,1-Dichloropropene
 Concen: 48.468 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.5	58.5
77	32.3	24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

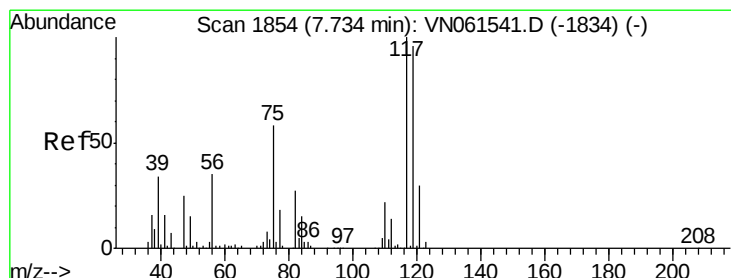
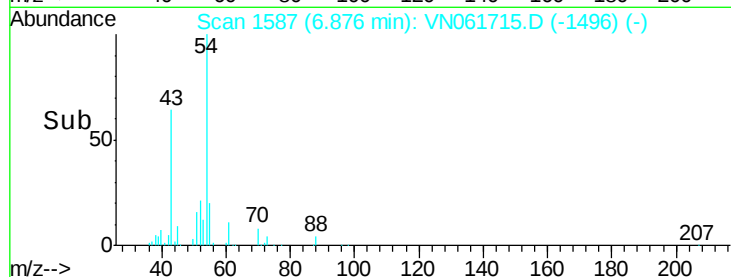
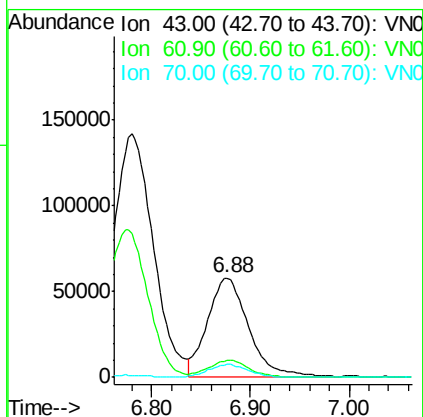
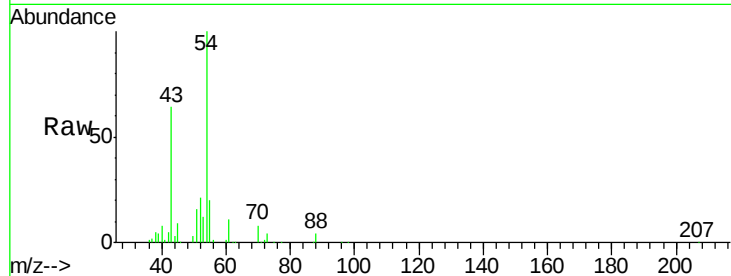




#37
Ethyl Acetate
Concen: 44.139 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

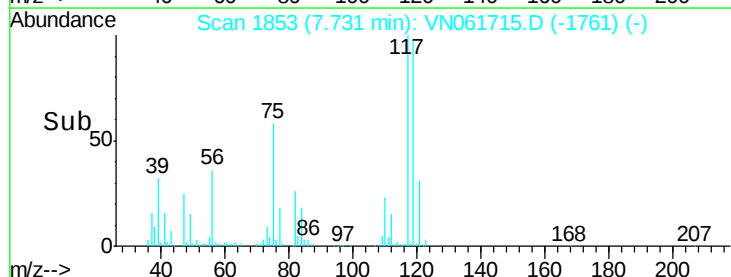
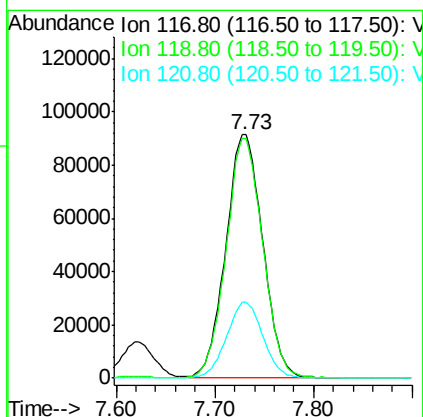
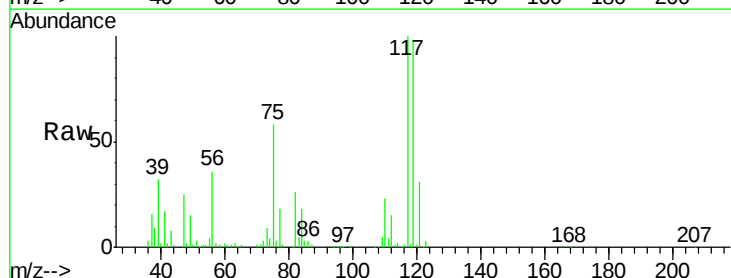
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

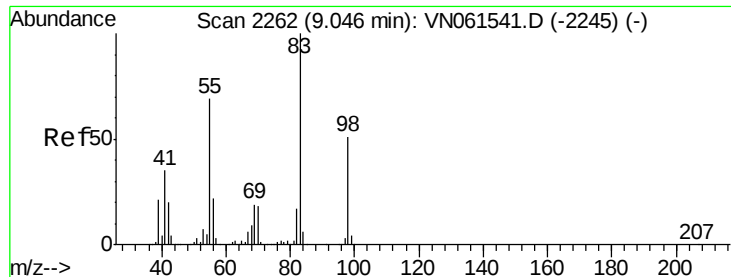
Tot Ion: 43 Resp: 166120
Ion Ratio Lower Upper
43 100
61 16.3 12.2 18.4
70 12.8 9.4 14.2



#38
Carbon Tetrachloride
Concen: 52.848 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 117 Resp: 238198
Ion Ratio Lower Upper
117 100
119 98.1 76.5 114.7
121 31.2 24.1 36.1

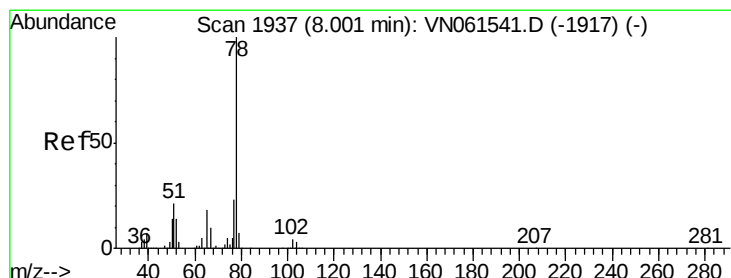
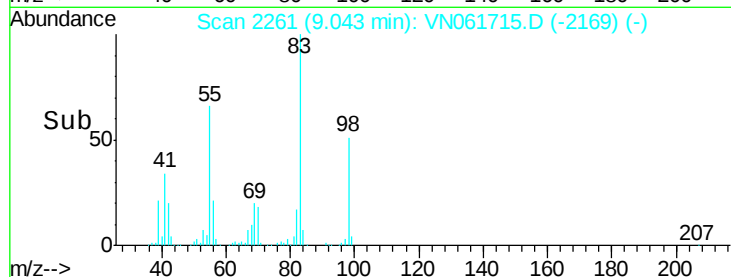
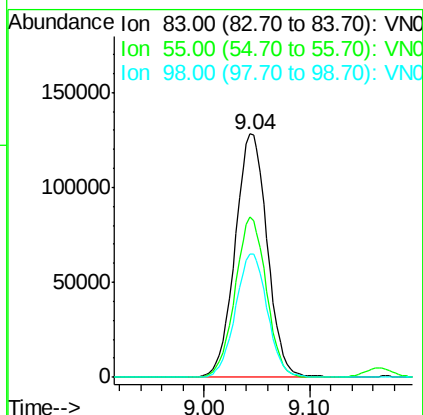
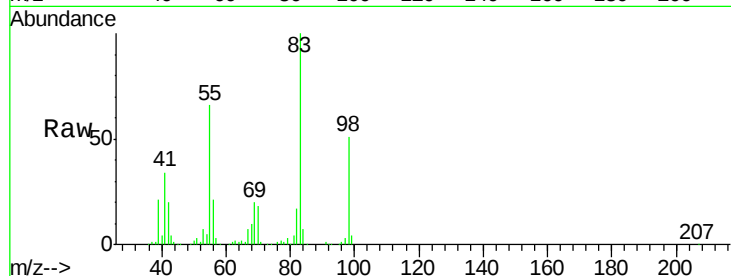




#39
Methvlcvclohexane
Concen: 46.967 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

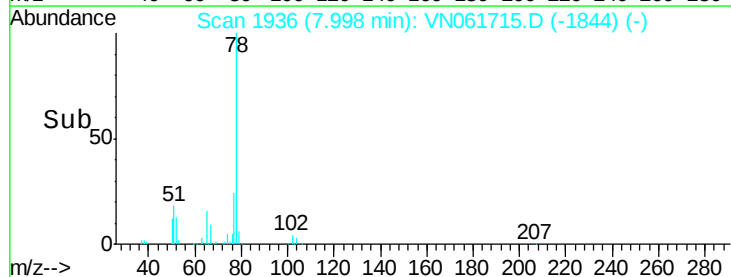
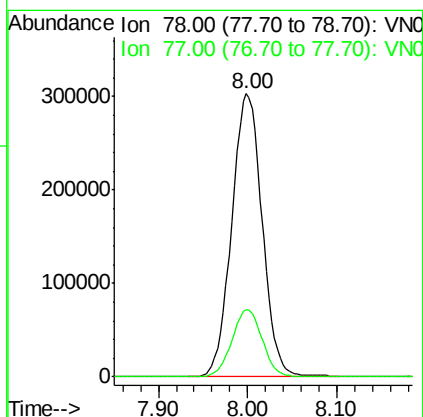
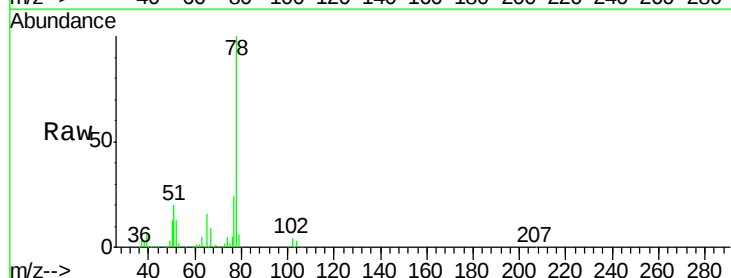
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

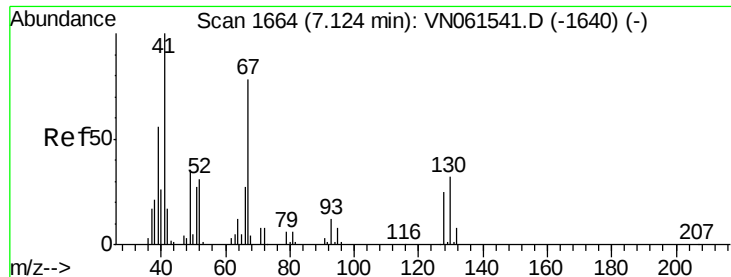
Tot Ion: 83 Resp: 270510
Ion Ratio Lower Upper
83 100
55 65.8 54.9 82.3
98 50.5 41.0 61.4



#40
Benzene
Concen: 49.806 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 78 Resp: 718088
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0

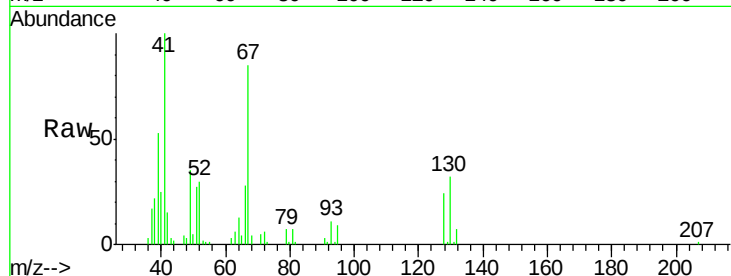




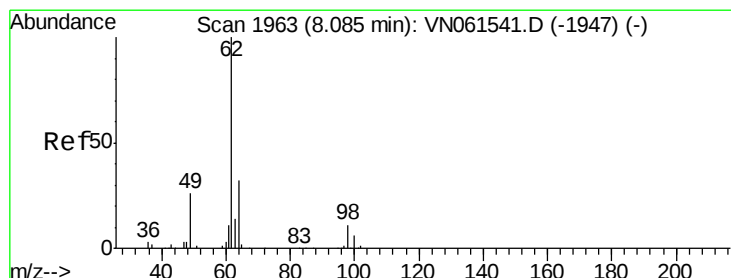
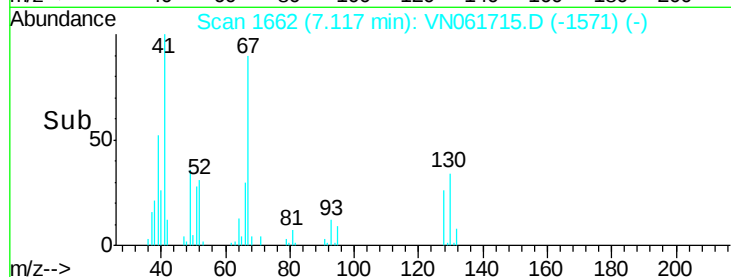
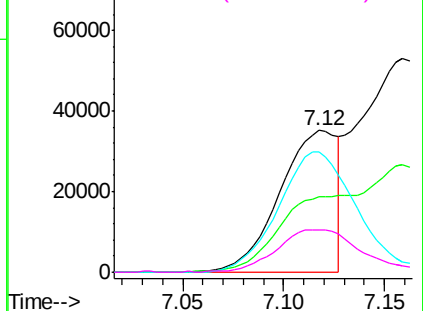
#41
Methacrylonitrile
Concen: 40.460 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 69767
Ion Ratio Lower Upper
41 100
39 0.0 53.8 80.6#
67 115.7 91.1 136.7
52 42.4 36.0 54.0

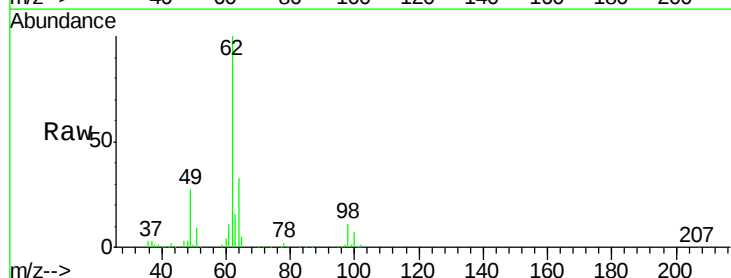


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

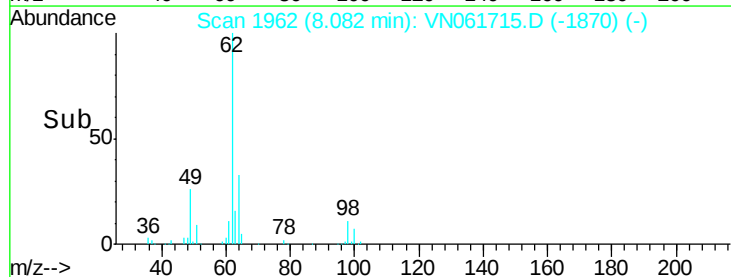
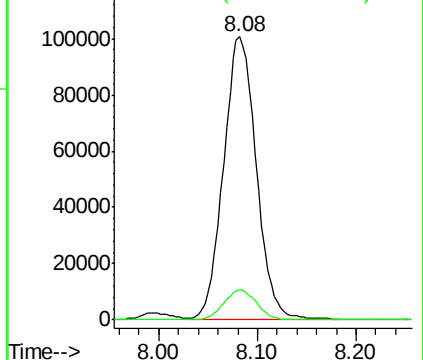


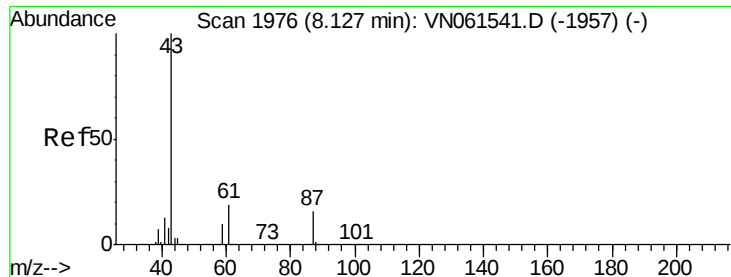
#42
1,2-Dichloroethane
Concen: 48.212 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 62 Resp: 232711
Ion Ratio Lower Upper
62 100
98 10.6 0.0 21.4



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





#43

Isopropyl Acetate

Concen: 42.801 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

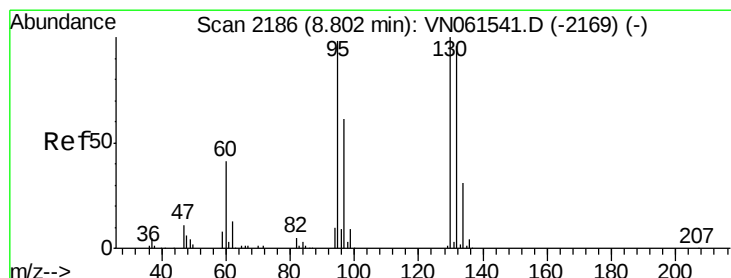
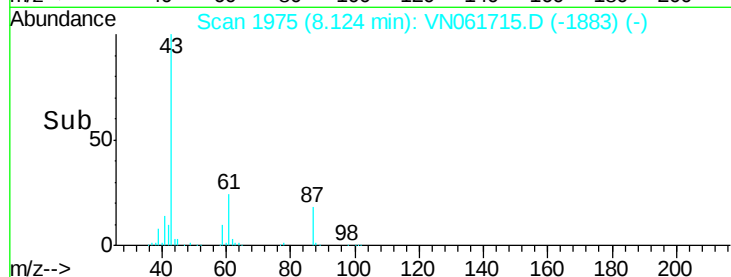
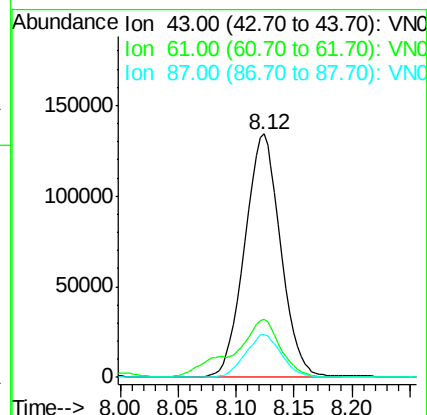
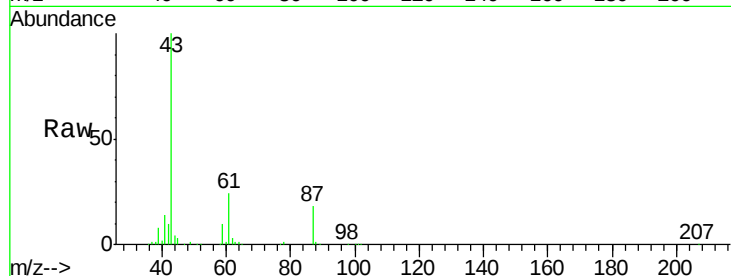
Tot Ion: 43 Resp: 289810

Ion Ratio Lower Upper

43 100

61 23.3 23.6 35.4#

87 17.7 13.0 19.6



#44

Trichloroethene

Concen: 50.747 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061715.D

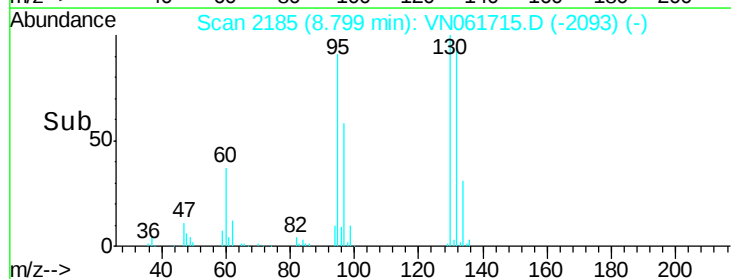
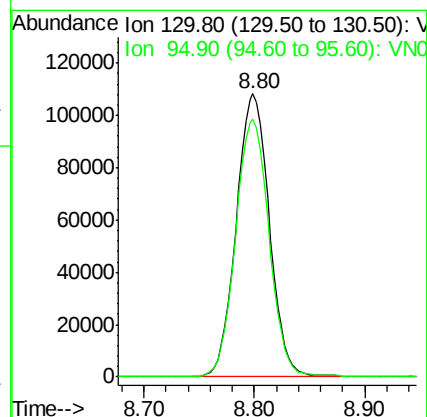
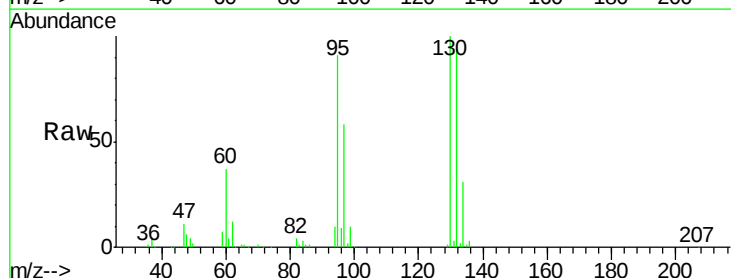
Acq: 9 Jun 2020 10:22

Tgt Ion:130 Resp: 224854

Ion Ratio Lower Upper

130 100

95 91.3 0.0 196.6

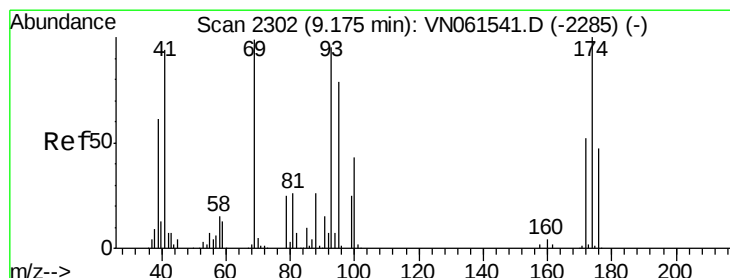
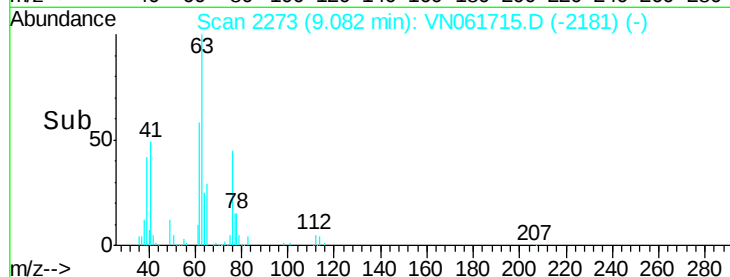
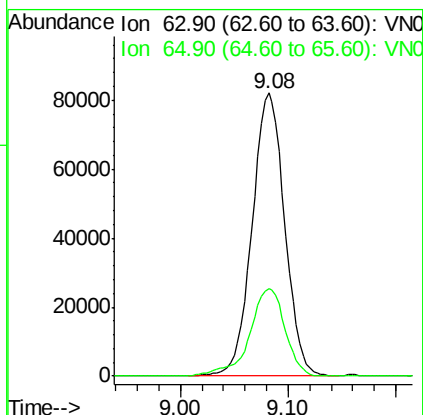
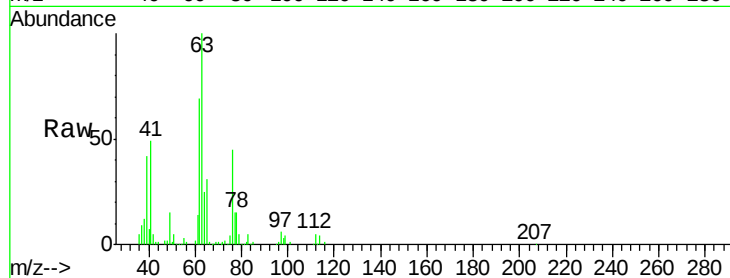




#45
1,2-Dichloropropane
Concen: 50.156 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

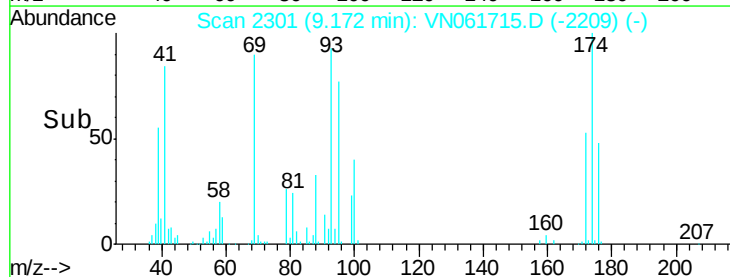
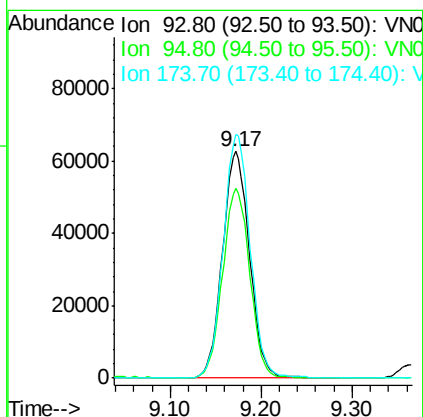
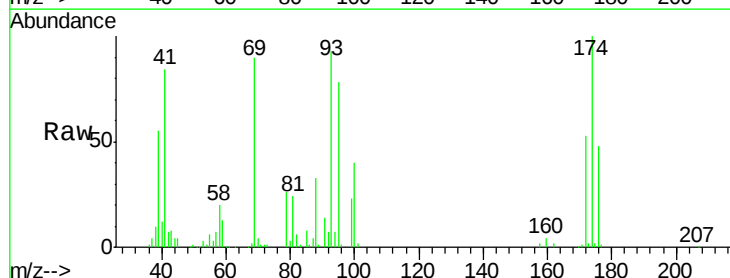
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 171712
Ion Ratio Lower Upper
63 100
65 30.7 24.7 37.1



#46
Dibromomethane
Concen: 49.292 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 93 Resp: 129426
Ion Ratio Lower Upper
93 100
95 83.9 66.0 99.0
174 107.3 82.5 123.7





#47

Bromodichloromethane

Concen: 50.743 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

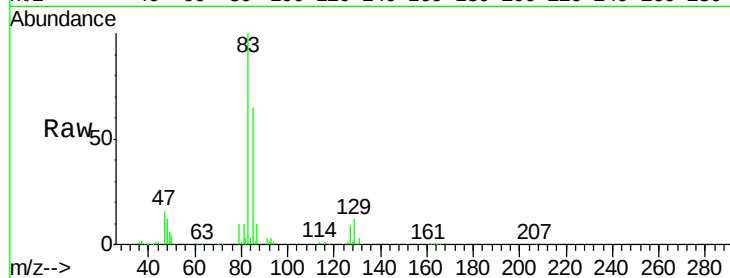
Tot Ion: 83 Resp: 263968

Ion Ratio Lower Upper

83 100

85 64.9 51.1 76.7

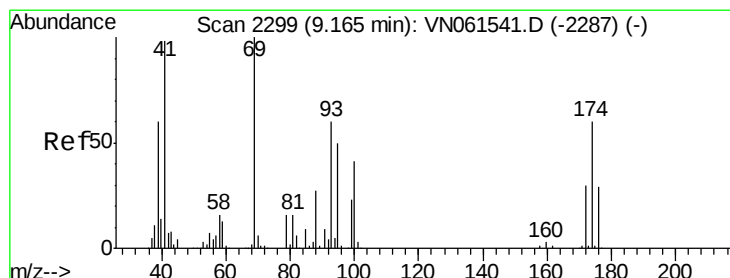
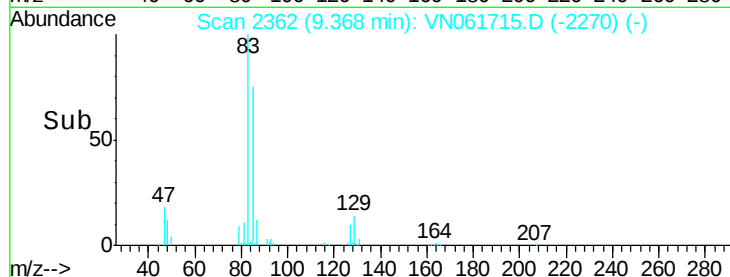
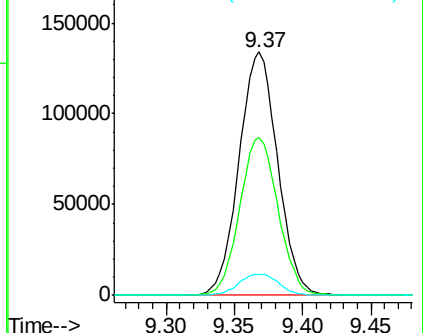
127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061715.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061715.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061715.D (-2270) (-)



#48

Methyl methacrylate

Concen: 41.712 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

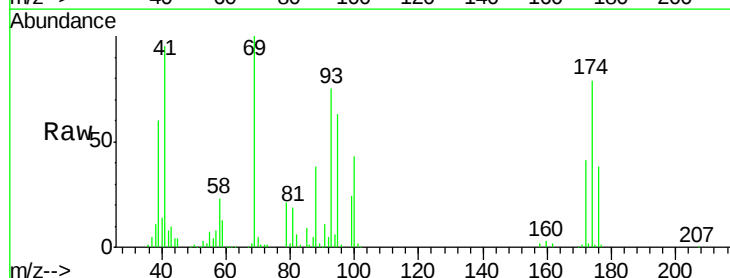
Tgt Ion: 41 Resp: 127072

Ion Ratio Lower Upper

41 100

69 109.9 83.9 125.9

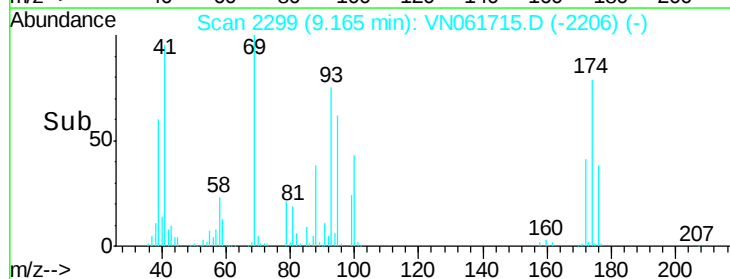
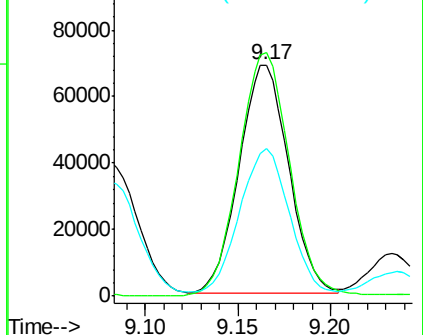
39 66.1 52.1 78.1

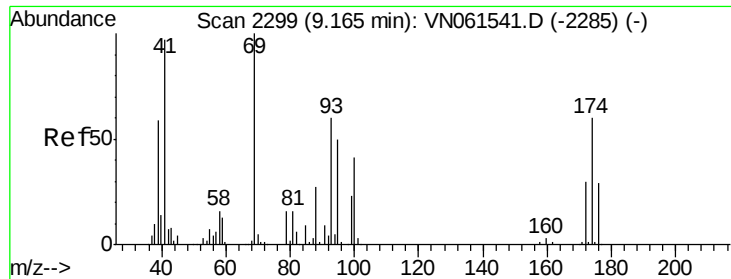


Abundance Ion 41.00 (40.70 to 41.70): VN061715.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061715.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061715.D (-2206) (-)

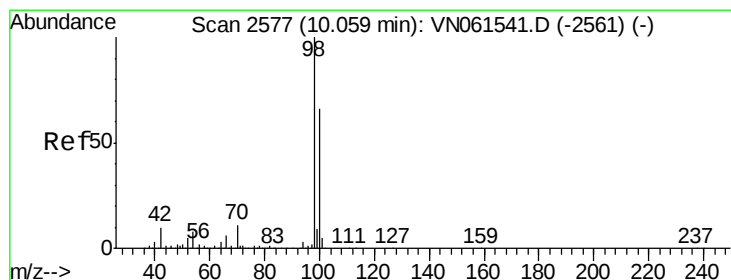
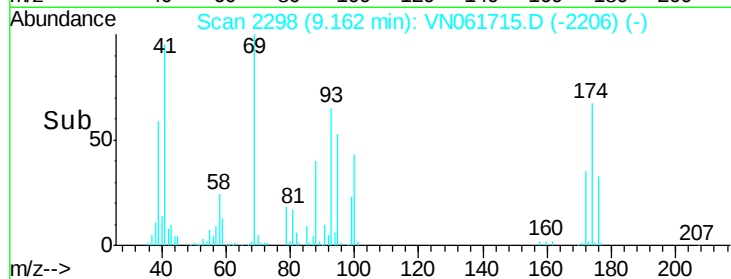
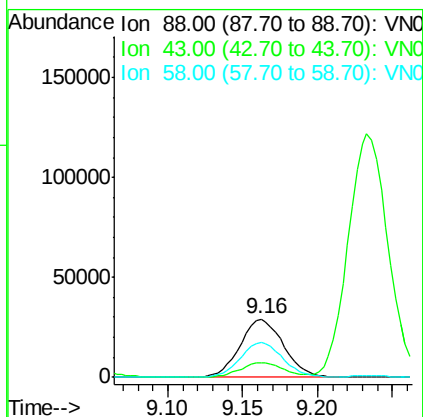
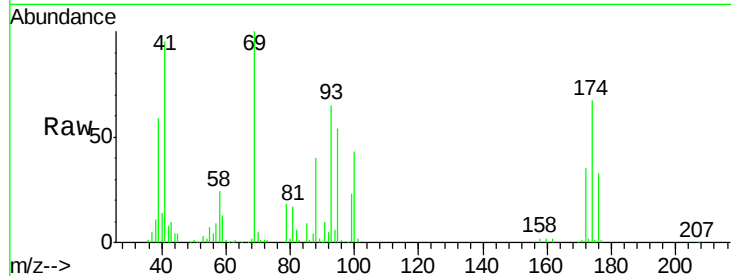




#49
1,4-Dioxane
Concen: 1254.038 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

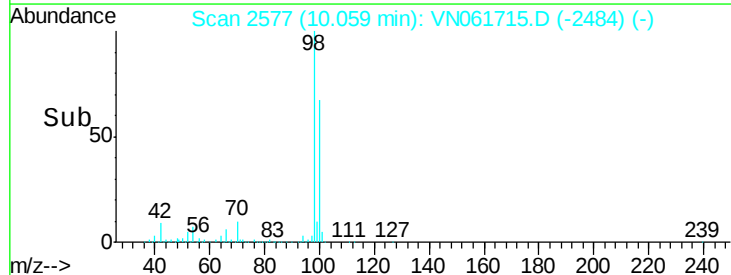
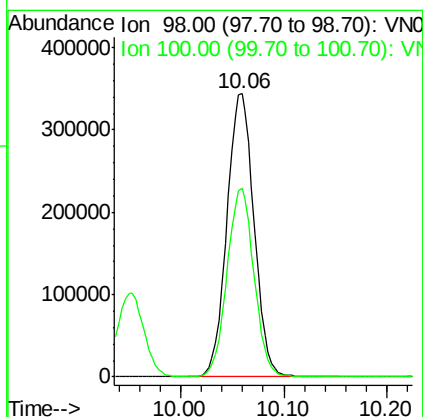
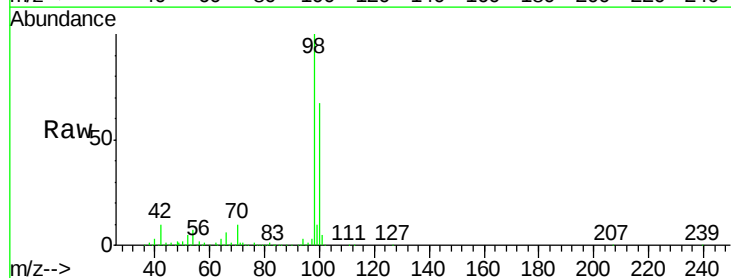
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 59184
Ion Ratio Lower Upper
88 100
43 25.7 23.1 34.7
58 58.4 48.3 72.5



#50
Toluene-d8
Concen: 50.914 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 98 Resp: 631770
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 223.601 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

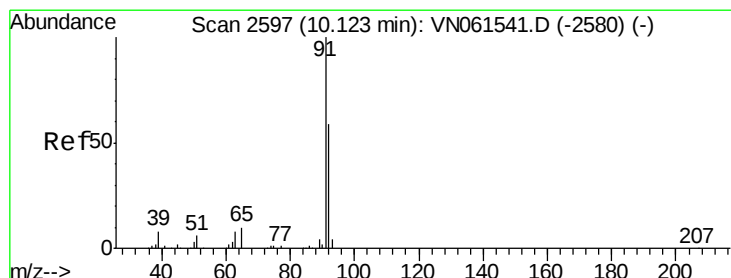
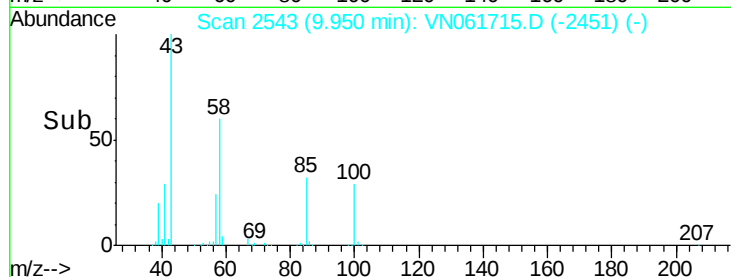
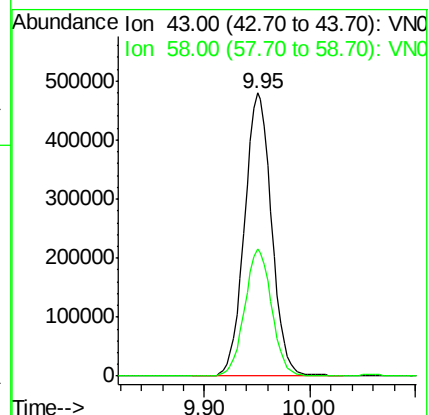
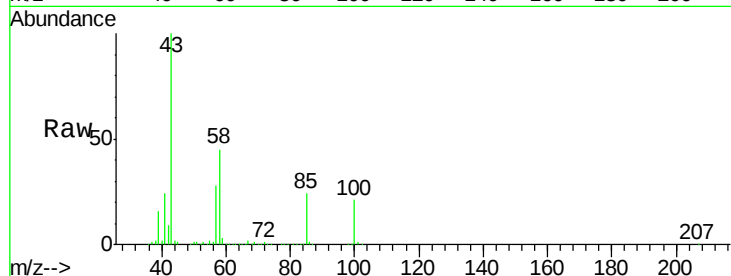
VSTDCCC050

Tot Ion: 43 Resp: 853200

Ion Ratio Lower Upper

43 100

58 44.7 35.0 52.6



#52

Toluene

Concen: 50.970 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061715.D

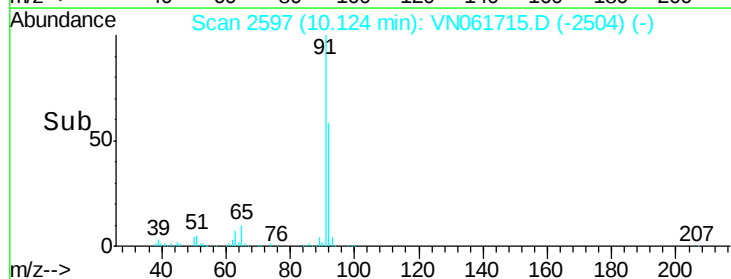
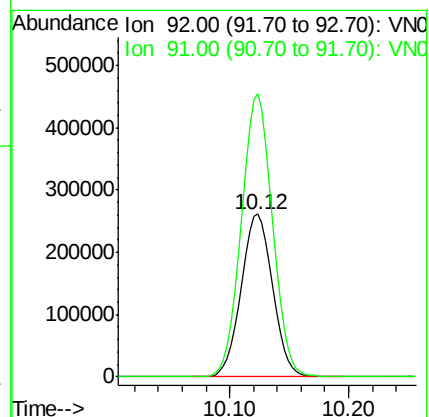
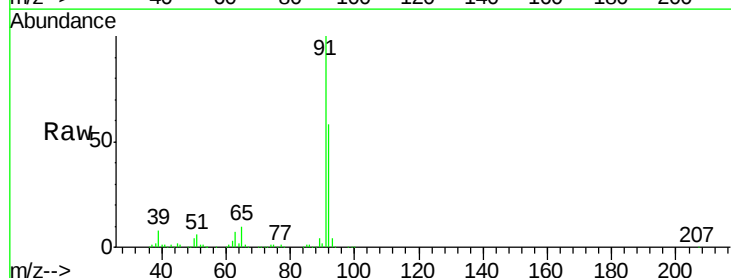
Acq: 9 Jun 2020 10:22

Tgt Ion: 92 Resp: 479641

Ion Ratio Lower Upper

92 100

91 172.1 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 49.705 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

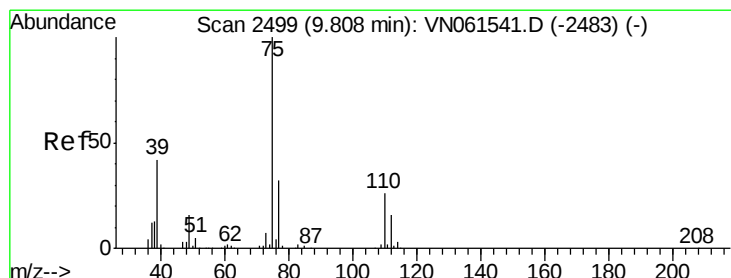
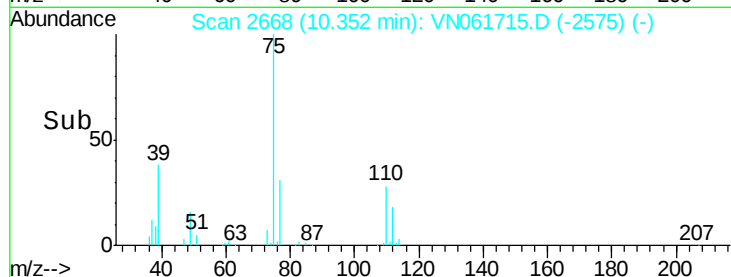
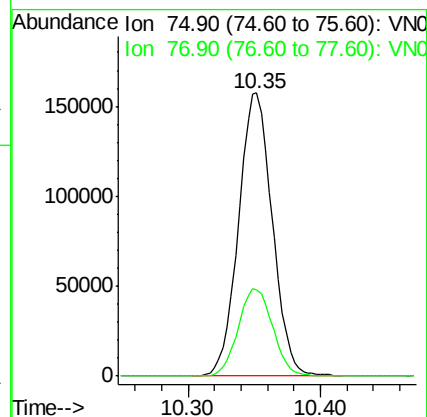
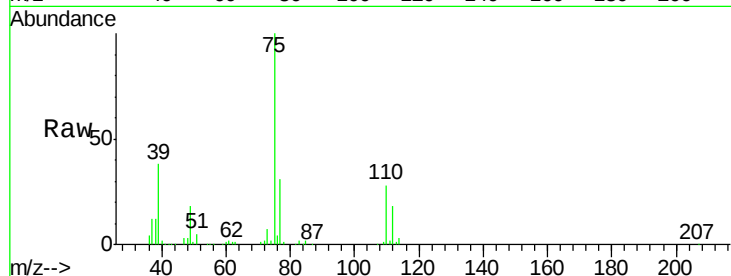
VSTDCCC050

Tot Ion: 75 Resp: 278545

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 50.195 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

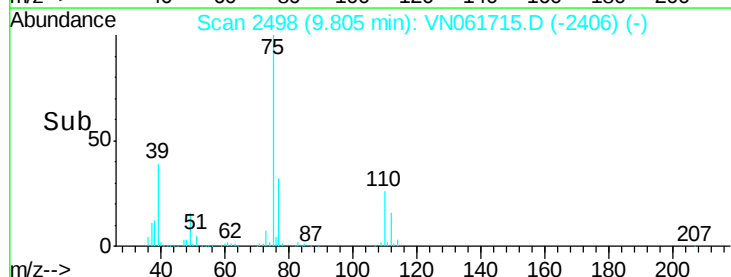
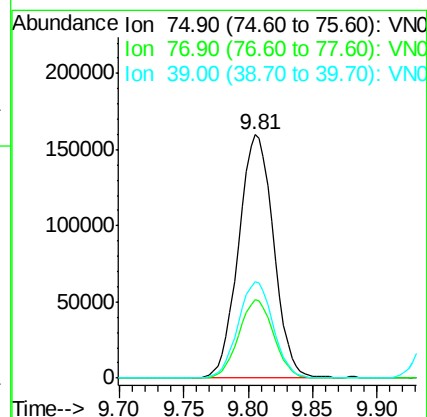
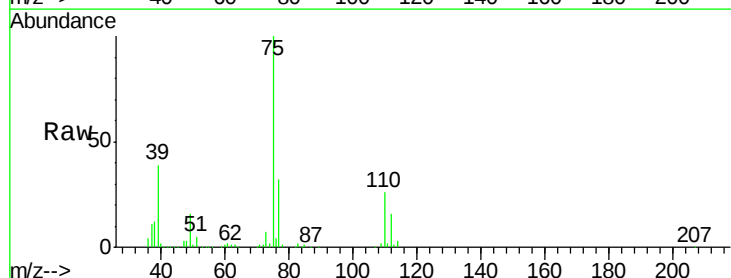
Tgt Ion: 75 Resp: 302453

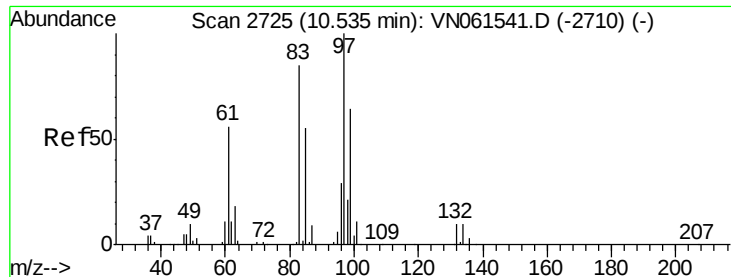
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

39 39.3 33.8 50.6

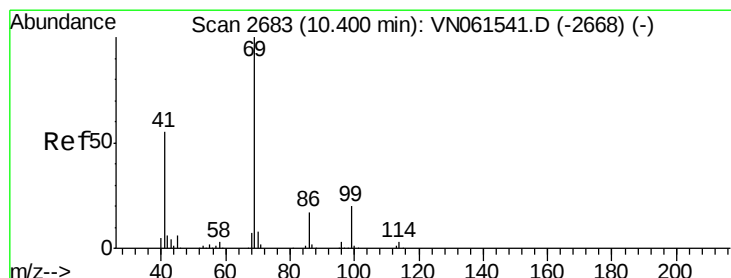
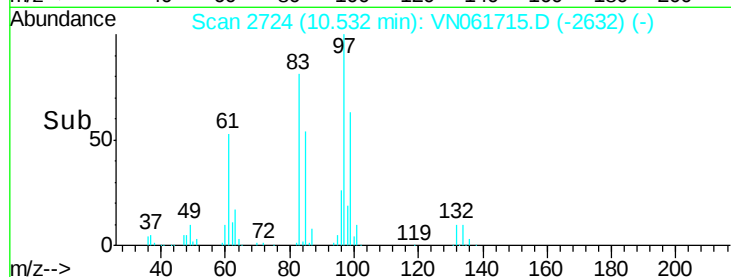
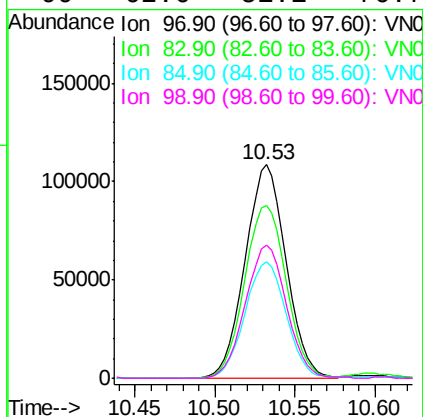
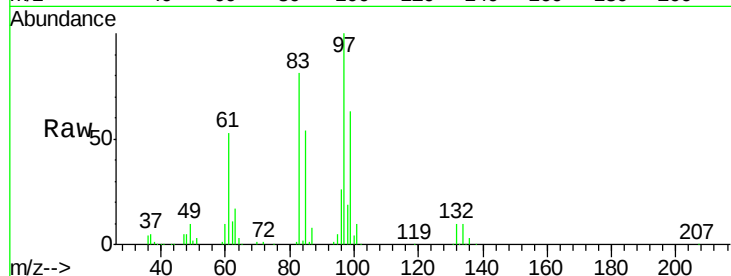




#55
 1,1,2-Trichloroethane
 Concen: 50.717 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

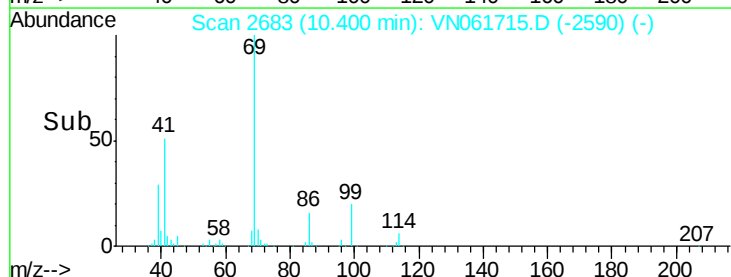
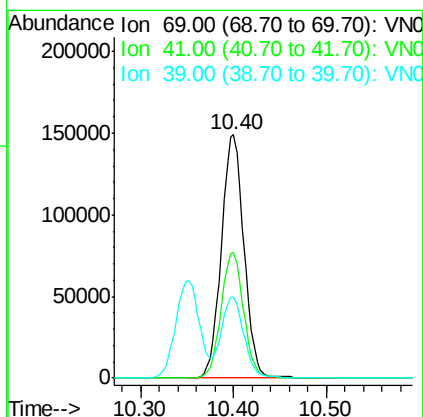
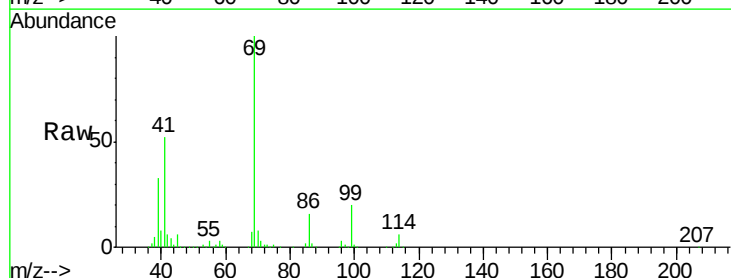
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

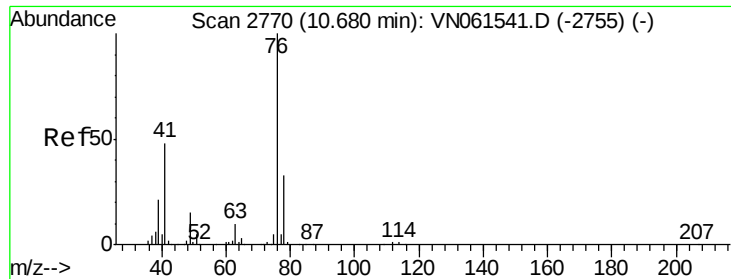
Tot Ion:	97	Resp:	190143
Ion	Ratio	Lower	Upper
97	100		
83	81.0	68.1	102.1
85	54.3	44.1	66.1
99	62.6	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 48.103 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Tgt Ion:	69	Resp:	251921
Ion	Ratio	Lower	Upper
69	100		
41	51.2	43.5	65.3
39	33.4	27.0	40.6

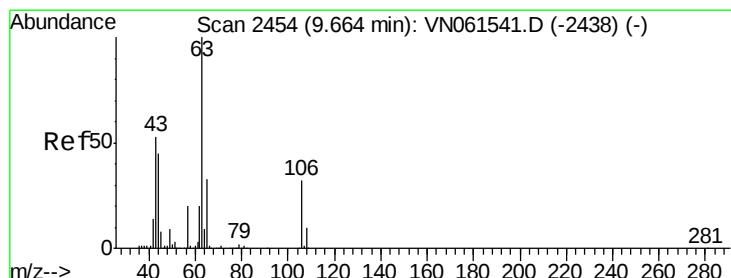
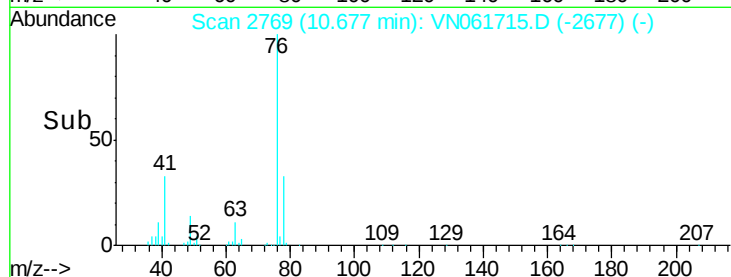
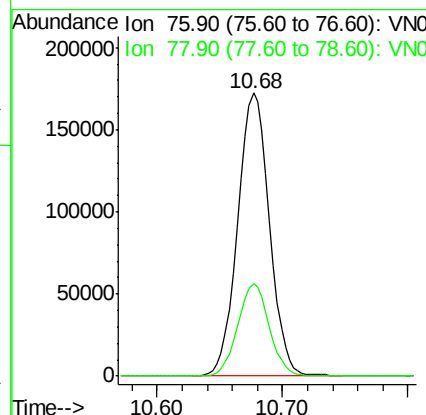
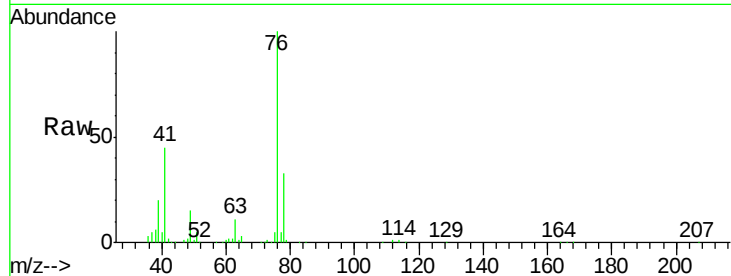




#57
 1,3-Dichloropropane
 Concen: 50.527 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

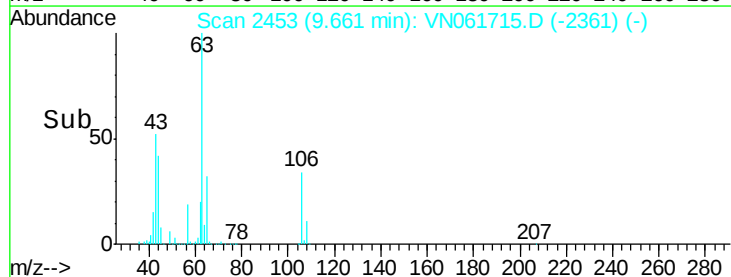
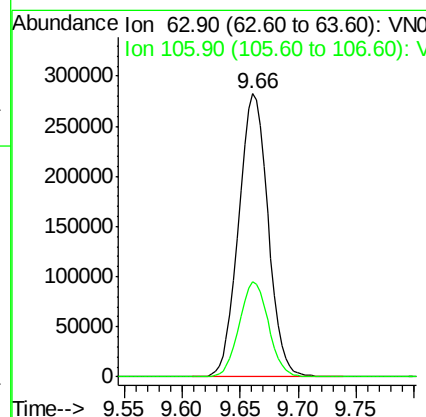
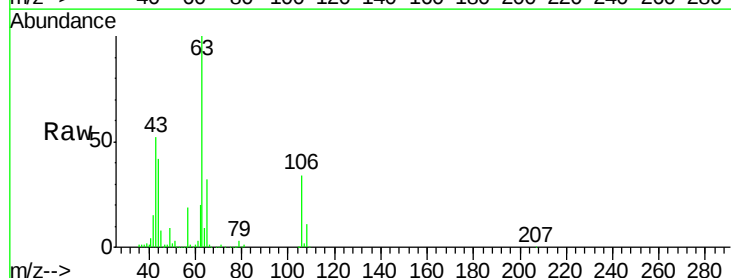
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 302967
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.860 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Tgt Ion: 63 Resp: 496536
 Ion Ratio Lower Upper
 63 100
 106 33.4 25.9 38.9

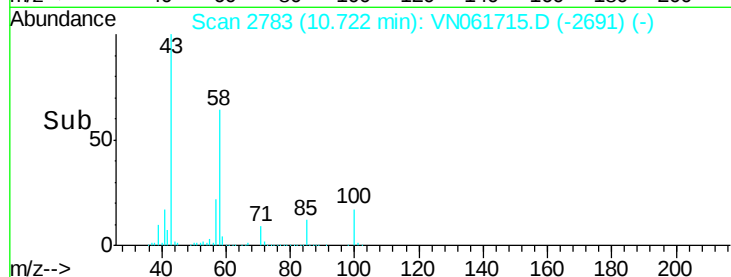
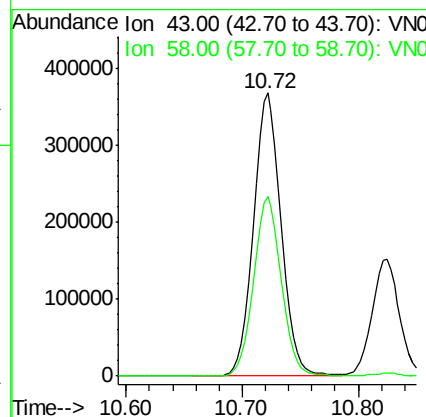
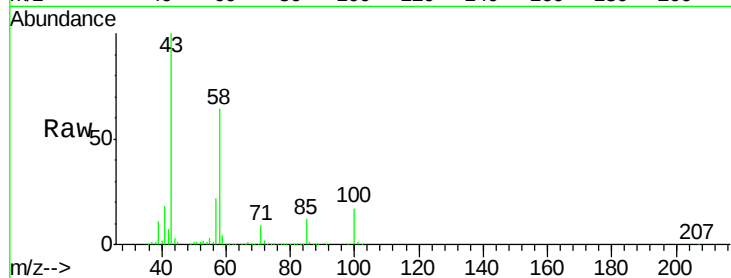




#59
2-Hexanone
Concen: 223.732 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

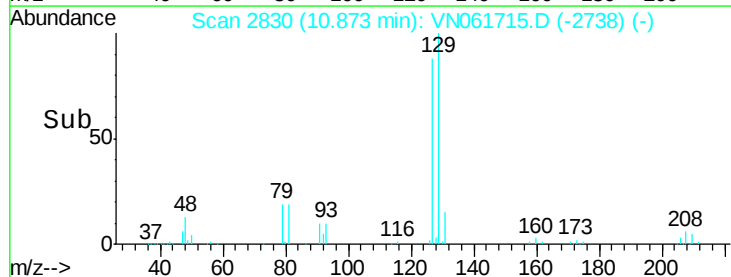
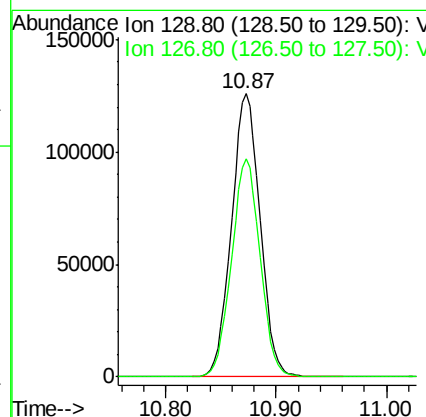
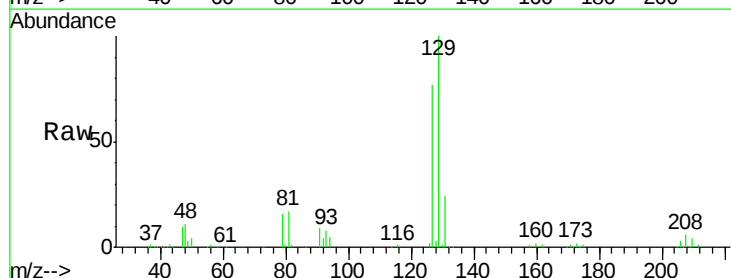
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

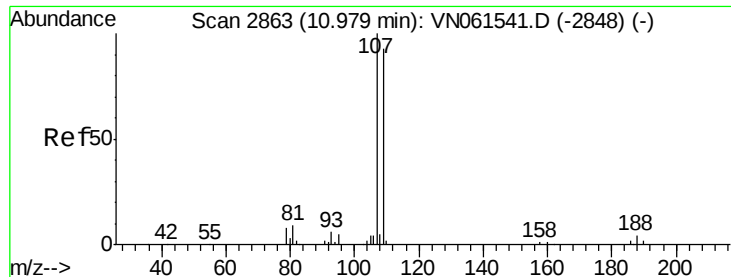
Tot Ion: 43 Resp: 613104
Ion Ratio Lower Upper
43 100
58 63.4 30.7 92.1



#60
Dibromochloromethane
Concen: 53.174 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 129 Resp: 226636
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3

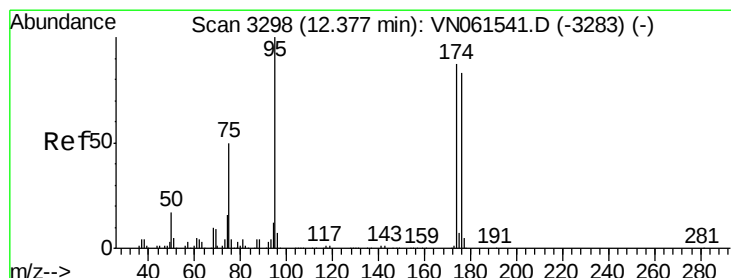
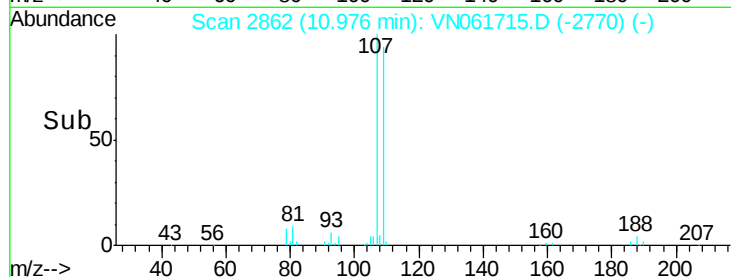
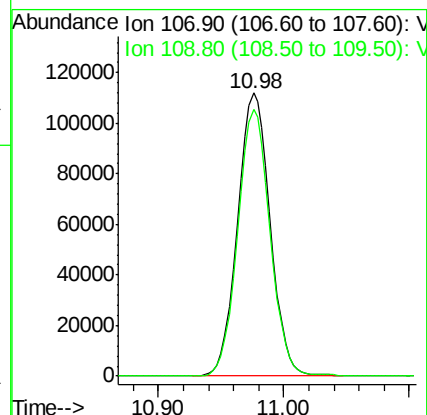
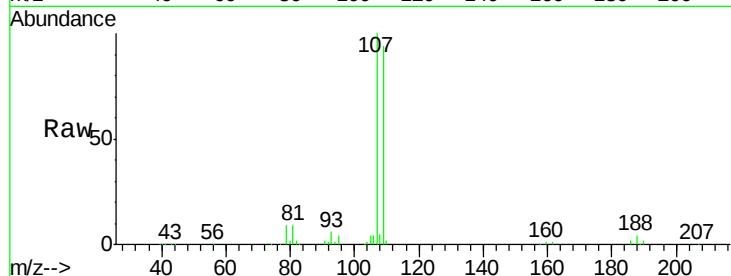




#61
 1,2-Dibromoethane
 Concen: 51.526 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

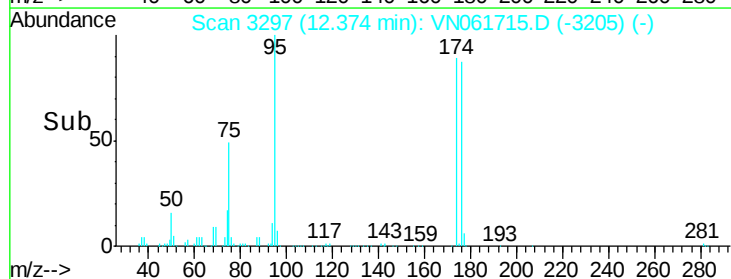
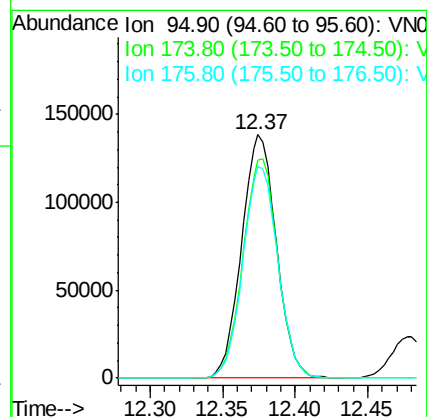
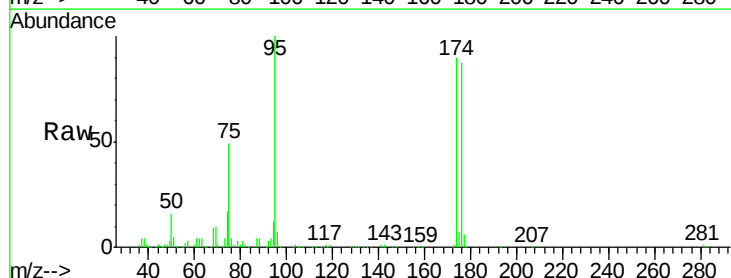
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 201471
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 50.921 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Tgt Ion: 95 Resp: 230526
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 172.8
 176 87.5 0.0 164.8

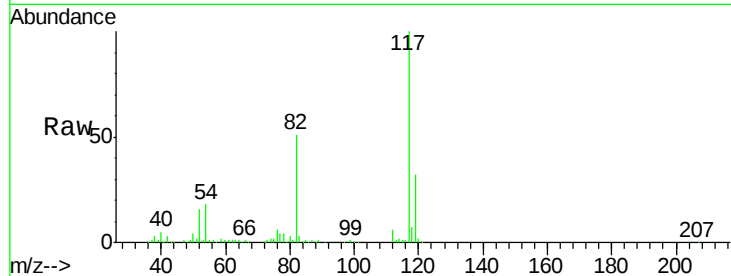




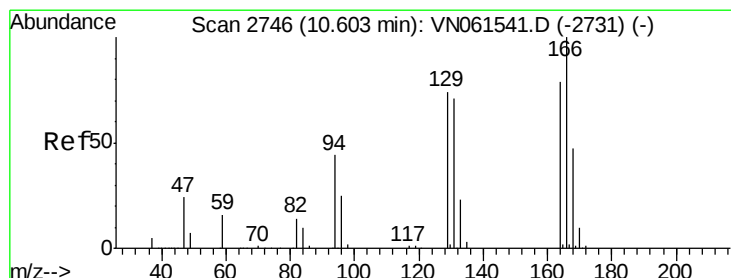
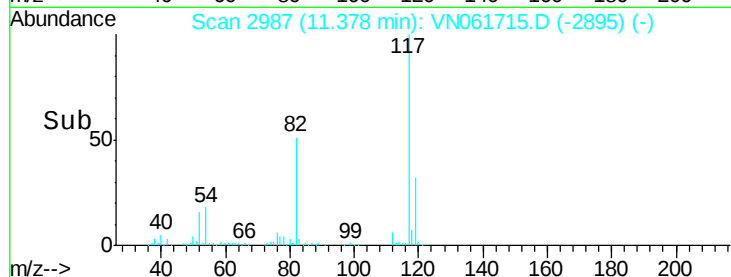
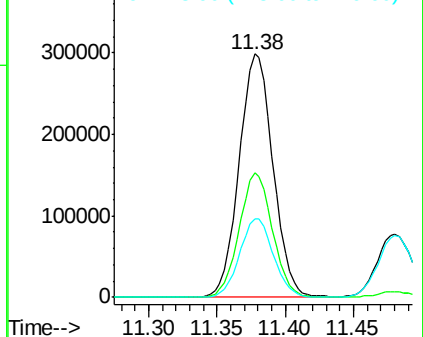
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 515318
Ion Ratio Lower Upper
117 100
82 51.0 41.5 62.3
119 32.4 25.6 38.4

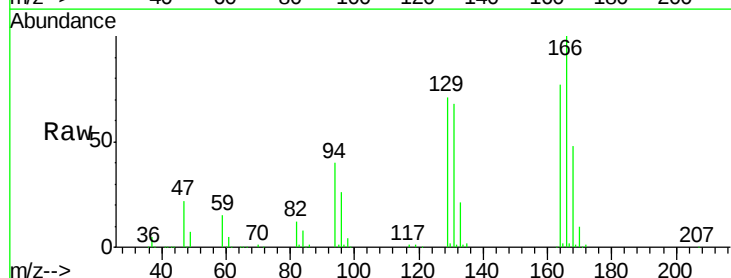


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

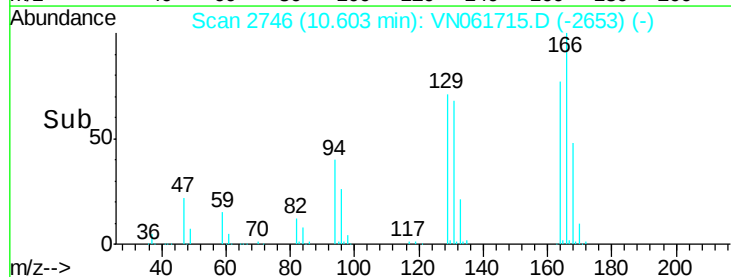
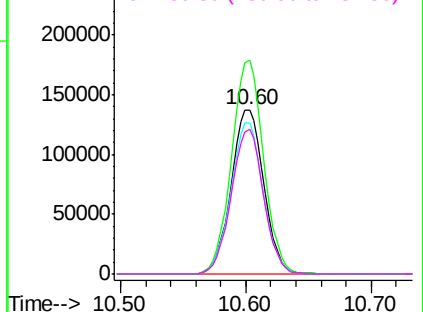


#64
Tetrachloroethene
Concen: 51.128 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion:164 Resp: 248008
Ion Ratio Lower Upper
164 100
166 129.9 101.5 152.3
129 91.6 74.9 112.3
131 88.1 72.2 108.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

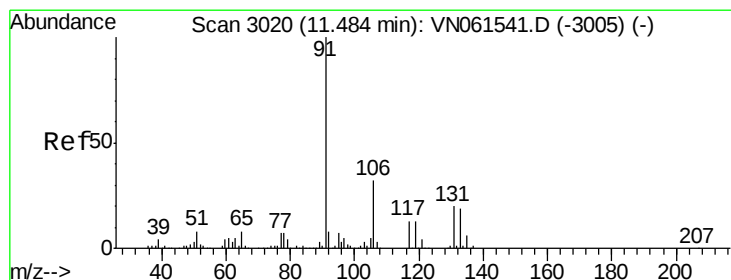
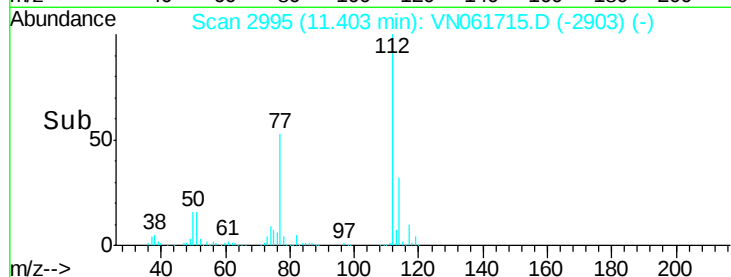
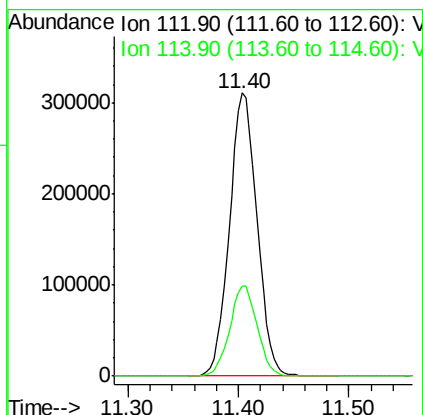
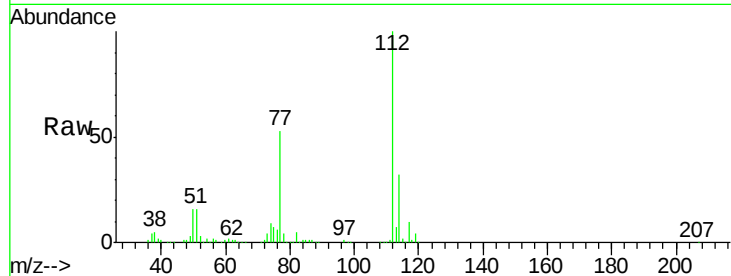




#65
Chlorobenzene
Concen: 50.313 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

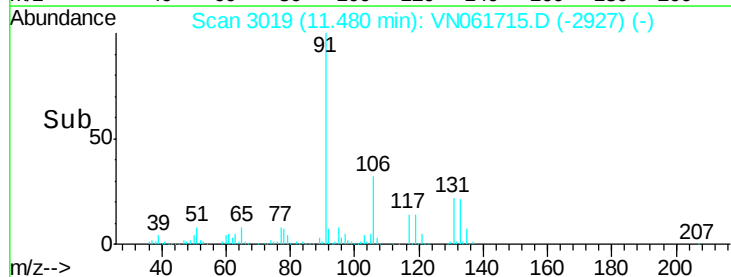
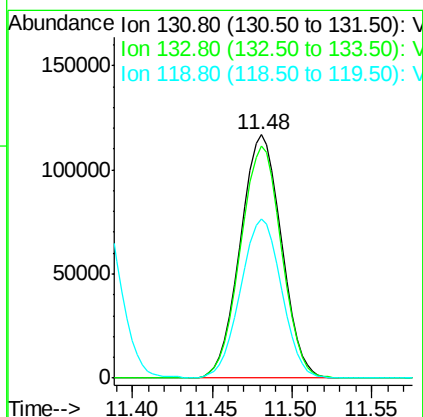
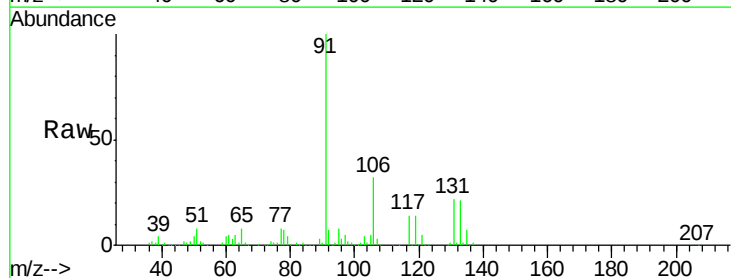
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 538934
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.606 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion:131 Resp: 205829
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.2
119 65.1 32.6 97.8

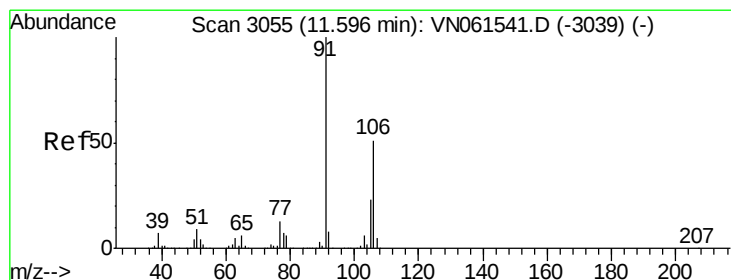
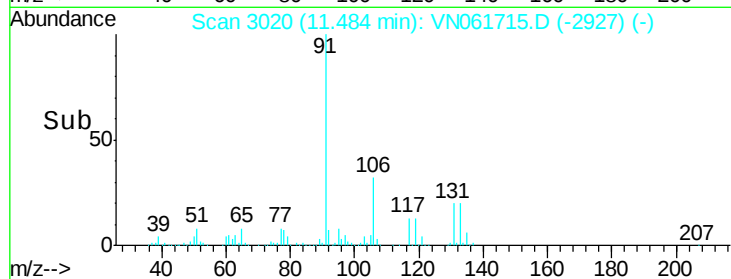
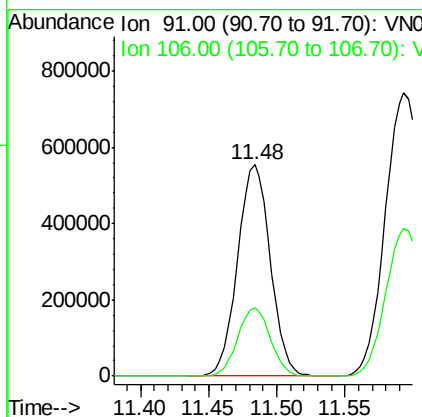
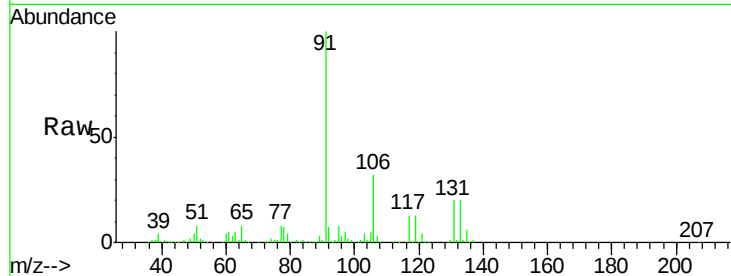




#67
Ethyl Benzene
Concen: 50.042 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

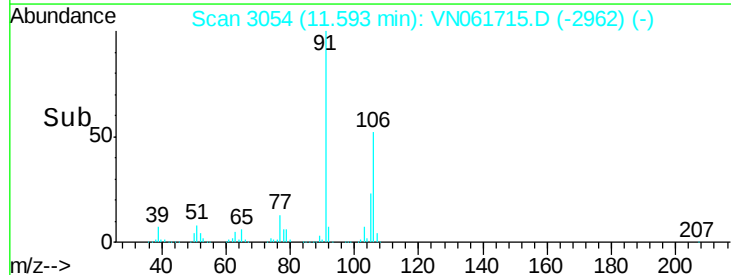
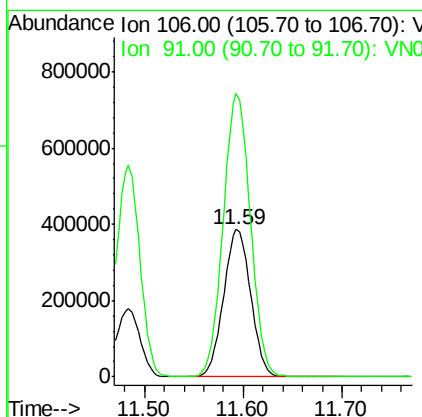
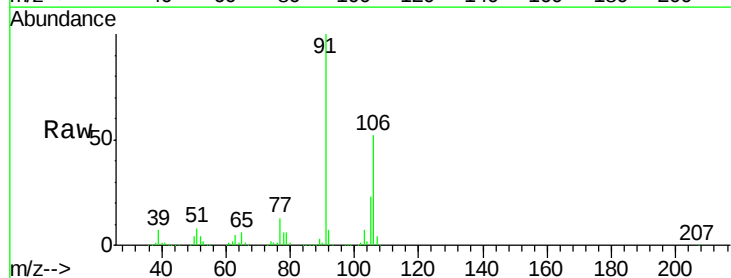
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 926464
Ion Ratio Lower Upper
91 100
106 32.2 25.6 38.4



#68
m/p-Xylenes
Concen: 101.425 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion: 106 Resp: 744539
Ion Ratio Lower Upper
106 100
91 192.8 156.2 234.4

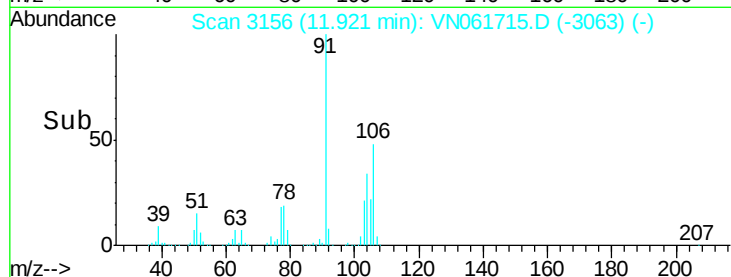
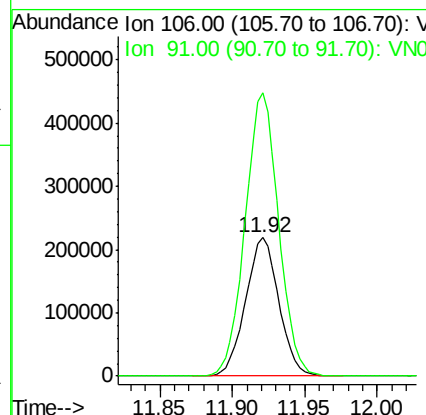
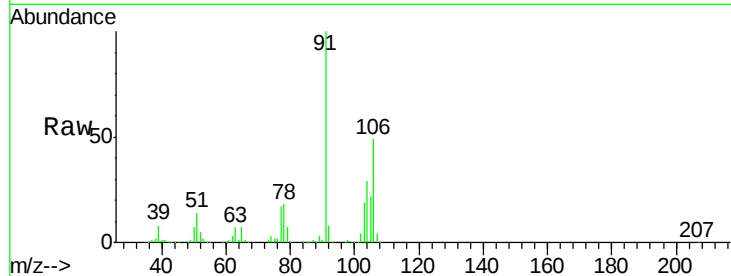




#69
o-Xylene
Concen: 50.280 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

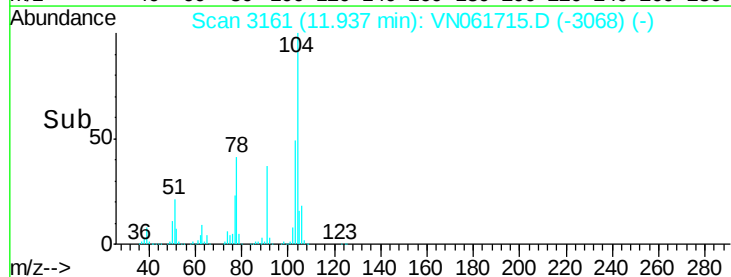
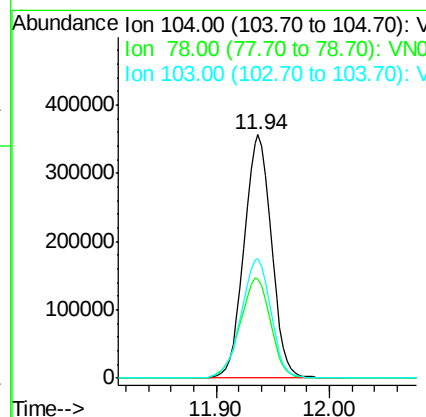
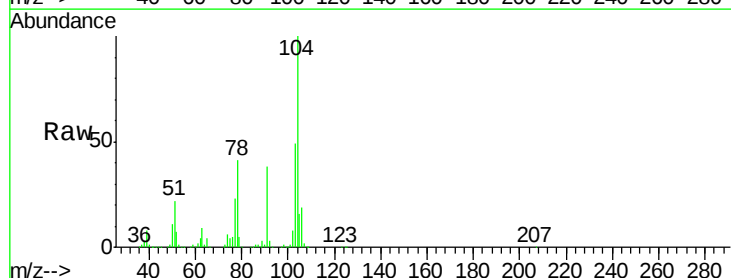
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

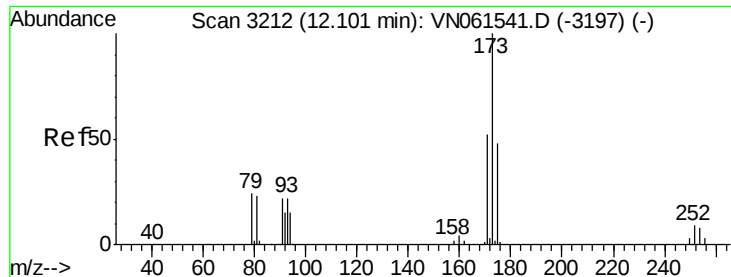
Tot Ion:106 Resp: 350565
Ion Ratio Lower Upper
106 100
91 205.7 103.3 309.8



#70
Styrene
Concen: 52.188 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion:104 Resp: 602582
Ion Ratio Lower Upper
104 100
78 45.6 37.4 56.0
103 53.3 42.3 63.5

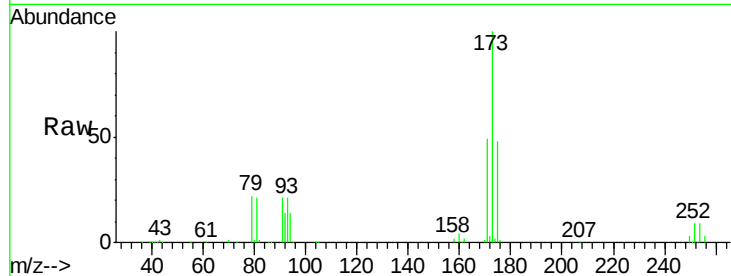




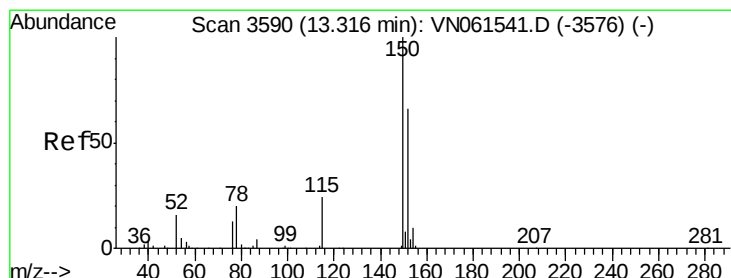
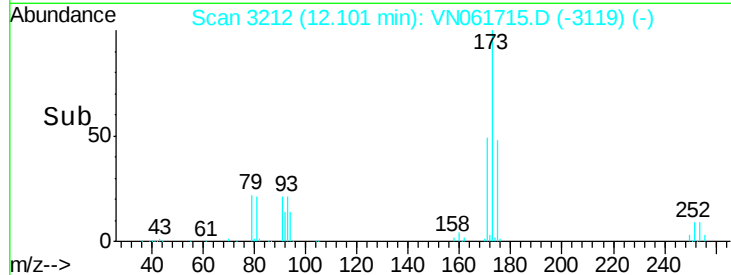
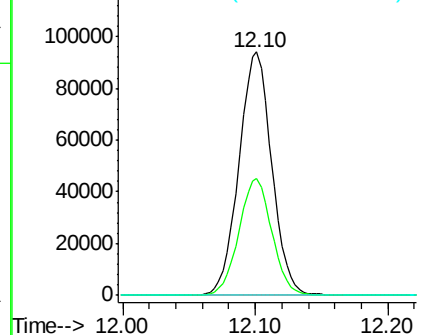
#71
Bromoform
Concen: 52.491 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 161322
Ion Ratio Lower Upper
173 100
175 48.3 24.4 73.2
254 0.0 0.0 0.0

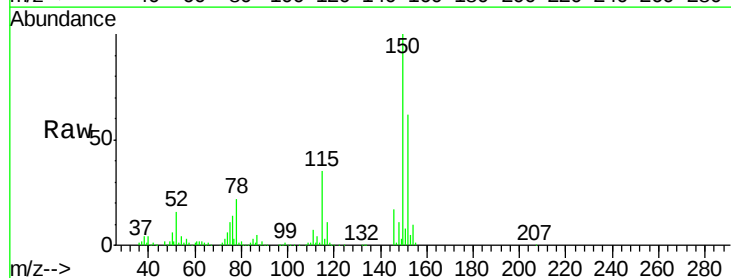


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

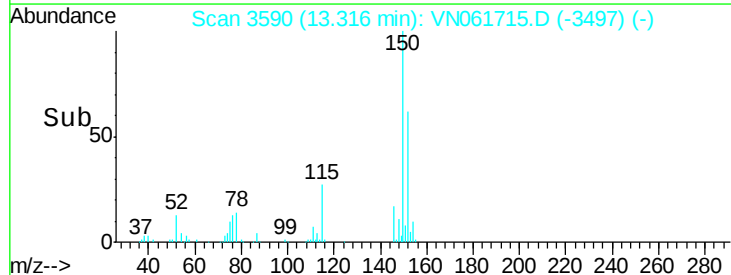
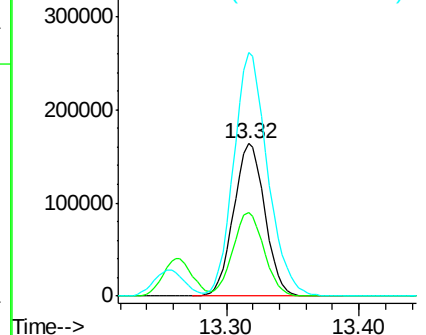


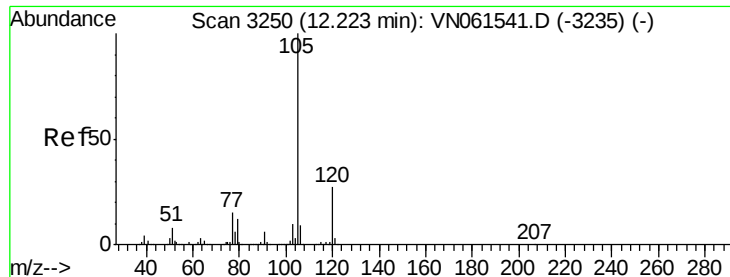
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion:152 Resp: 267616
Ion Ratio Lower Upper
152 100
115 54.8 28.0 84.0
150 173.5 0.0 344.0



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: 48.062 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

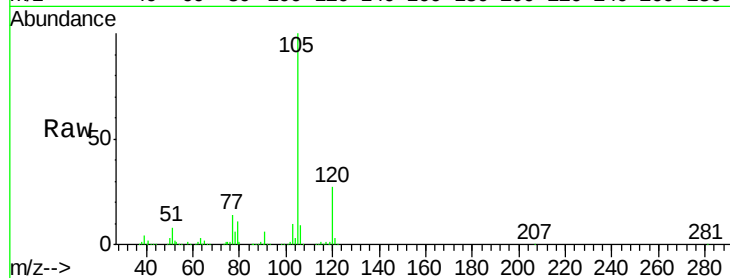
VSTDCCC050

Tot Ion:105 Resp: 938763

Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

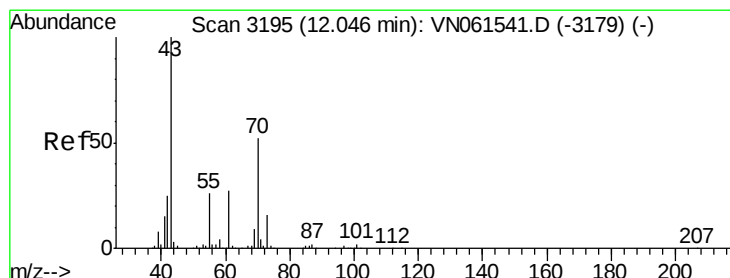
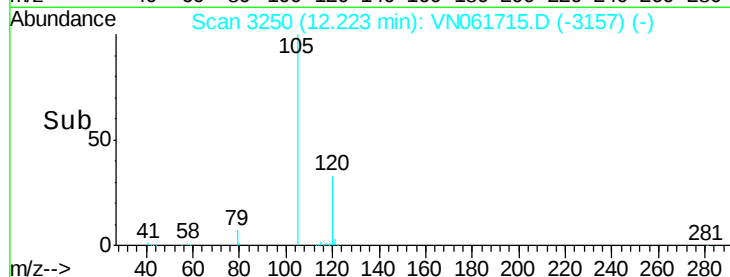
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 41.982 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Tgt Ion: 43 Resp: 258239

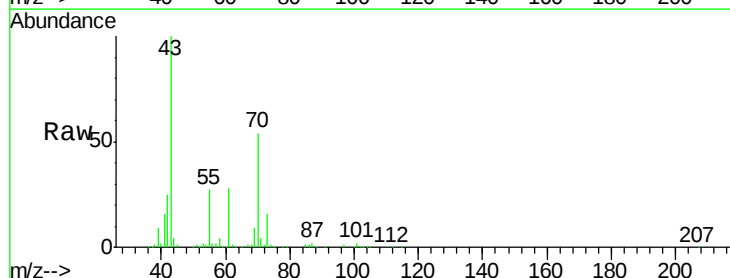
Ion Ratio Lower Upper

43 100

70 53.7 40.5 60.7

55 27.7 20.6 31.0

61 28.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.04

250000

200000

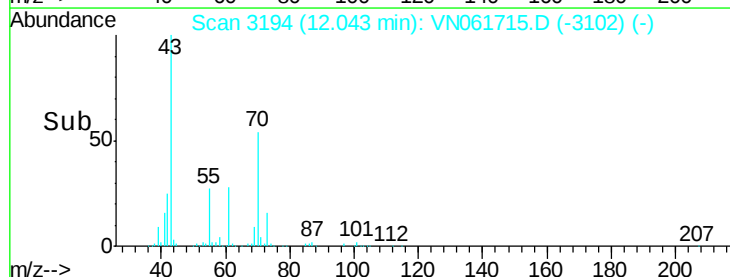
150000

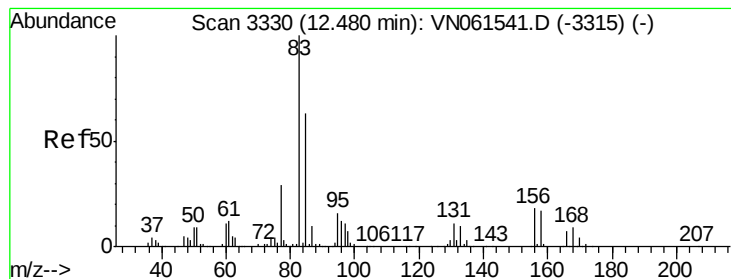
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.993 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

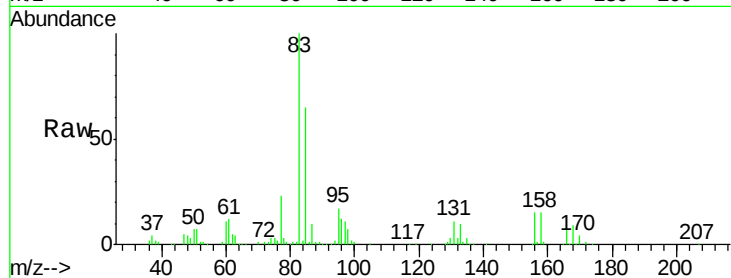
Tot Ion: 83 Resp: 240800

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.5

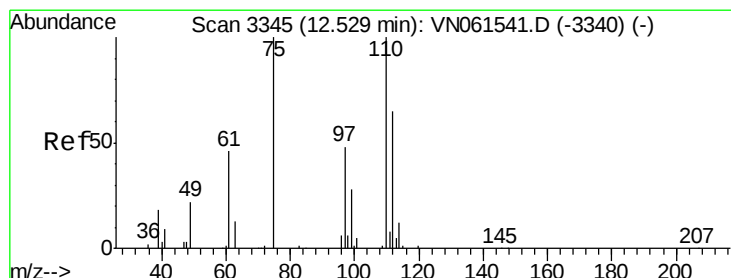
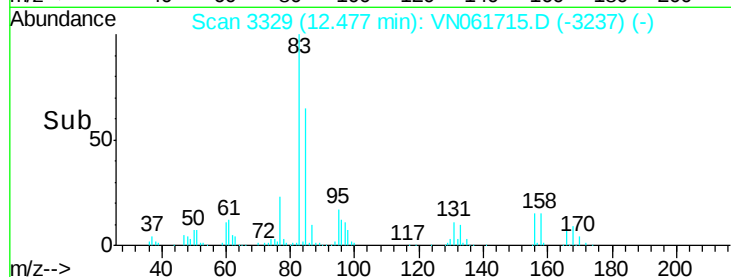
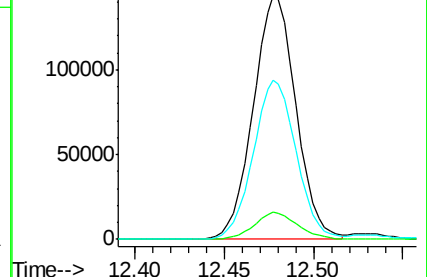
85 65.5 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061715.D (-3329) (-)

Ion 130.80 (130.50 to 131.50): VN061715.D (-3329) (-)

Ion 84.90 (84.60 to 85.60): VN061715.D (-3329) (-)



#76

1,2,3-Trichloropropane

Concen: 45.081 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061715.D

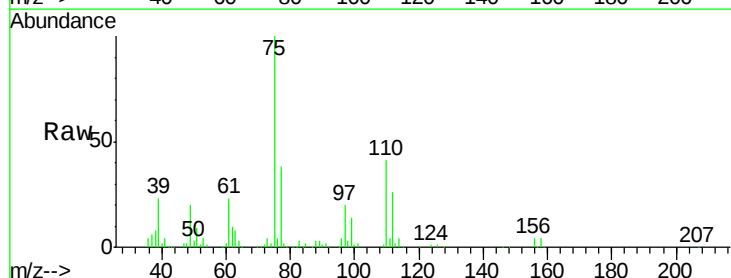
Acq: 9 Jun 2020 10:22

Tgt Ion: 75 Resp: 219376

Ion Ratio Lower Upper

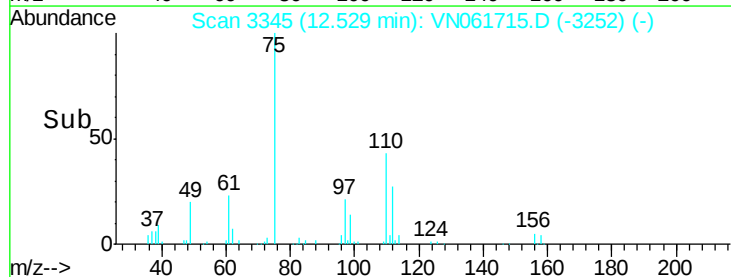
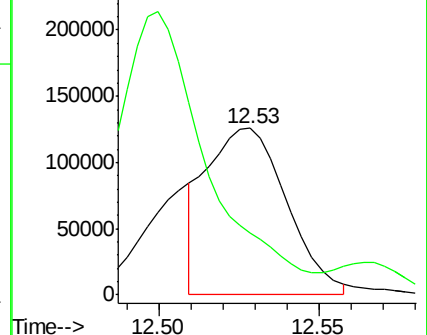
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061715.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN061715.D (-3345) (-)





#77

Bromobenzene

Concen: 49.988 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

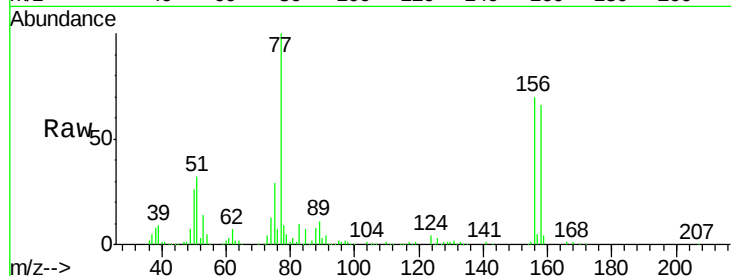
Tot Ion:156 Resp: 249233

Ion Ratio Lower Upper

156 100

77 171.7 90.9 272.7

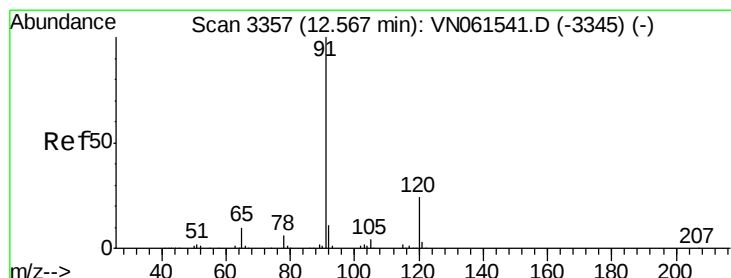
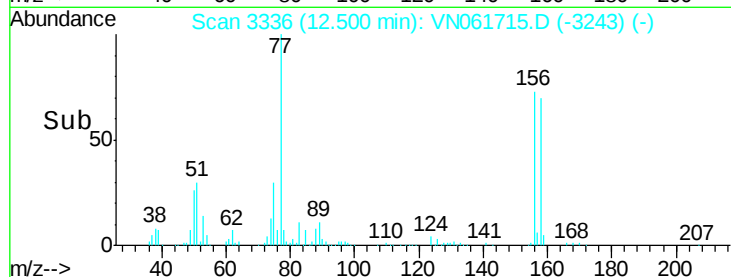
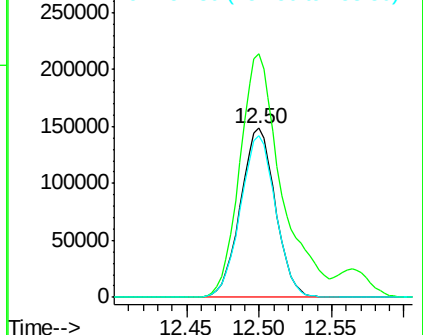
158 96.2 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.209 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061715.D

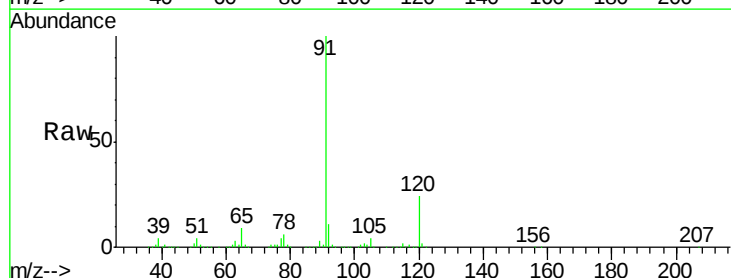
Acq: 9 Jun 2020 10:22

Tgt Ion: 91 Resp: 1051226

Ion Ratio Lower Upper

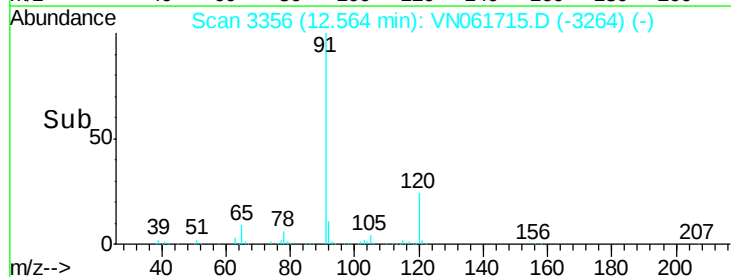
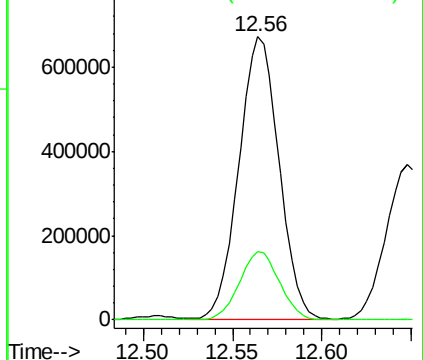
91 100

120 24.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

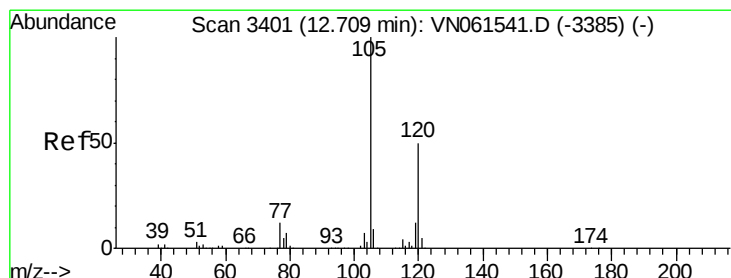
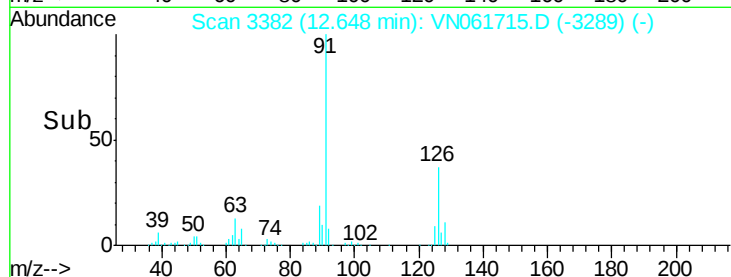
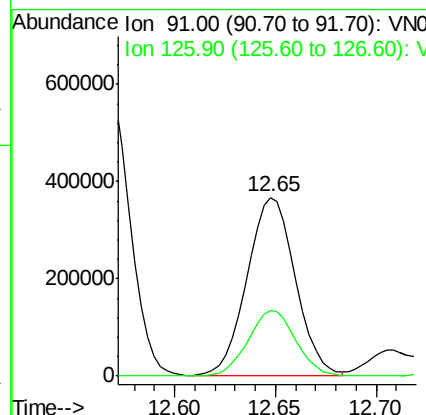
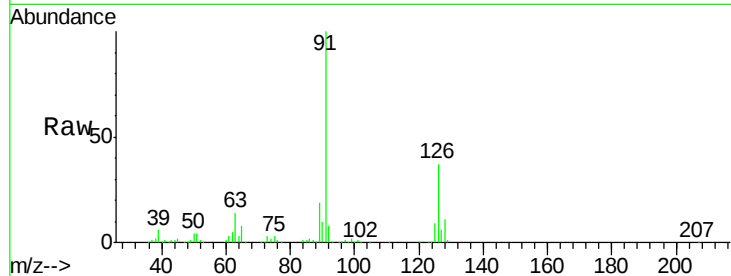




#79
 2-Chlorotoluene
 Concen: 46.963 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

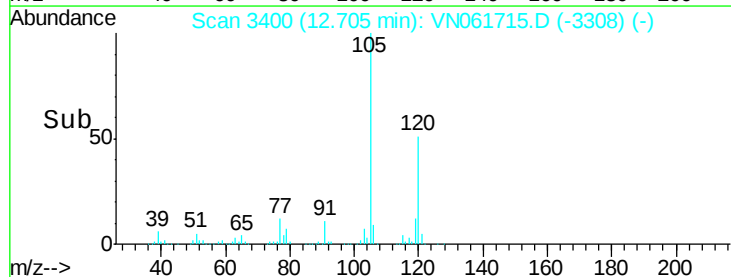
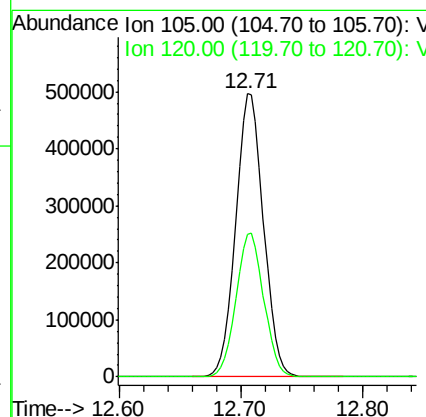
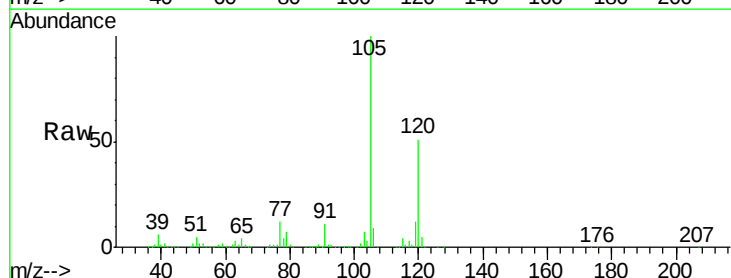
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

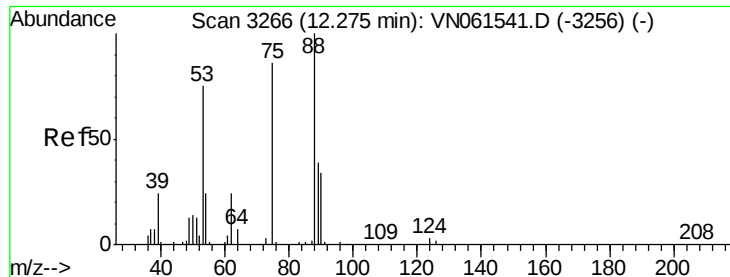
Tot Ion: 91 Resp: 610630
 Ion Ratio Lower Upper
 91 100
 126 36.8 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 47.982 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Tgt Ion: 105 Resp: 783328
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 44.309 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

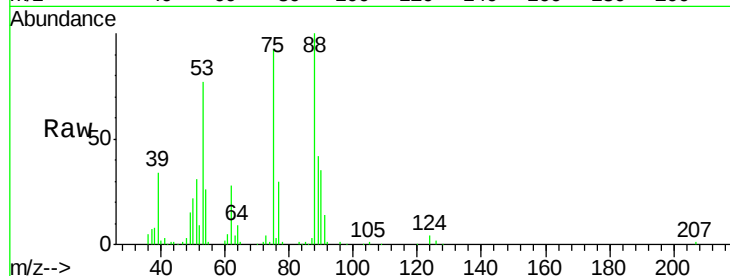
Tot Ion: 75 Resp: 84316

Ion Ratio Lower Upper

75 100

53 83.8 67.8 101.8

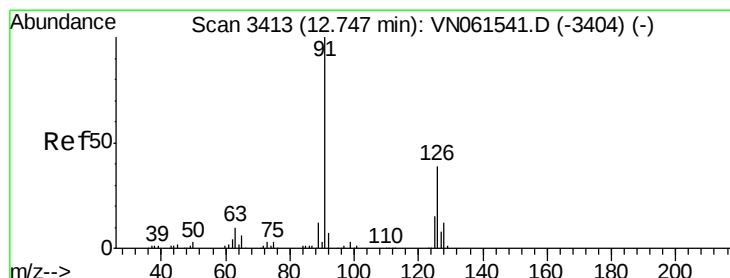
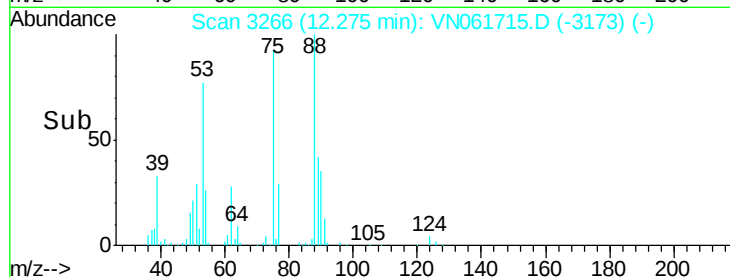
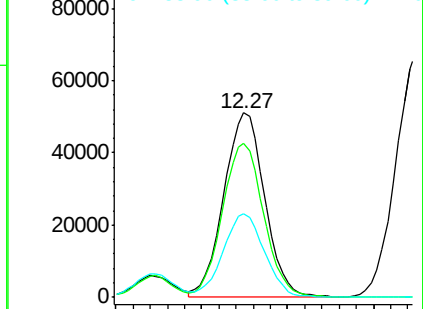
89 46.3 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.233 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061715.D

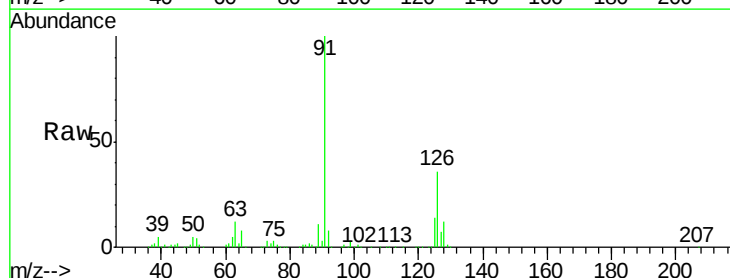
Acq: 9 Jun 2020 10:22

Tgt Ion: 91 Resp: 646087

Ion Ratio Lower Upper

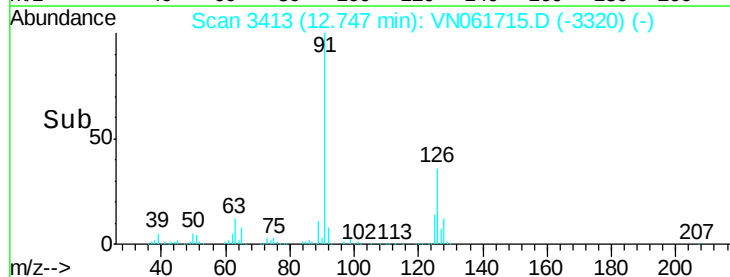
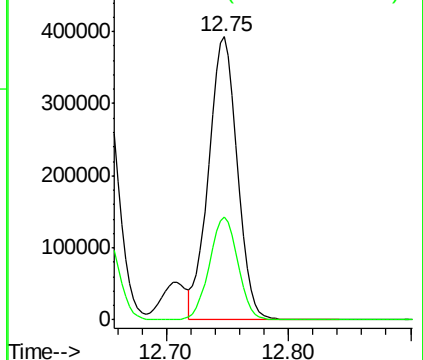
91 100

126 36.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

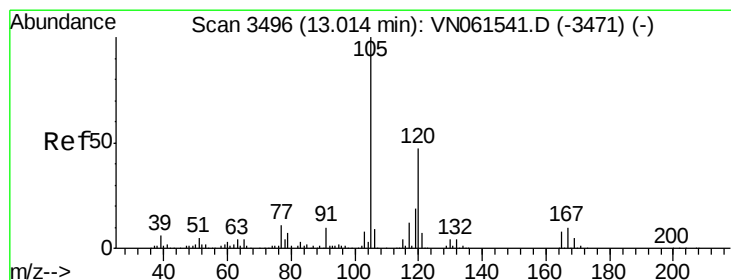
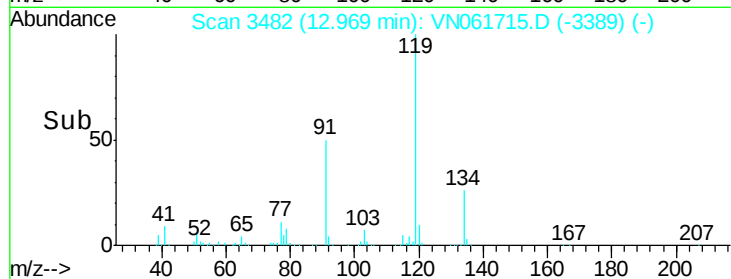
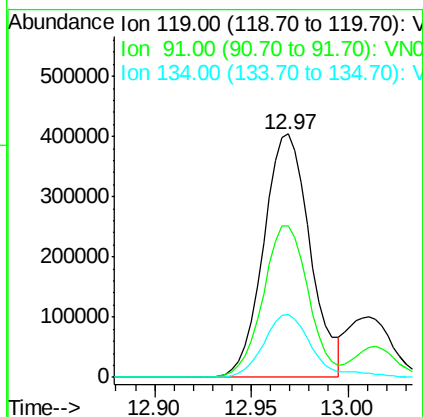
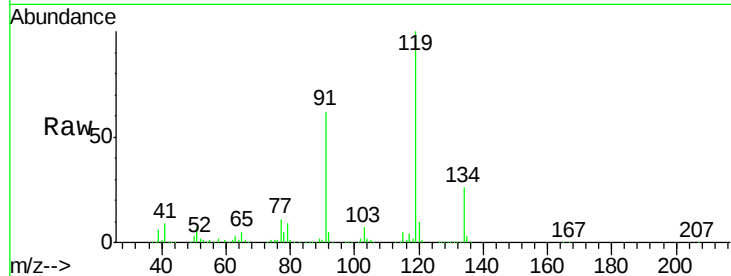




#83
tert-Butylbenzene
Concen: 46.894 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

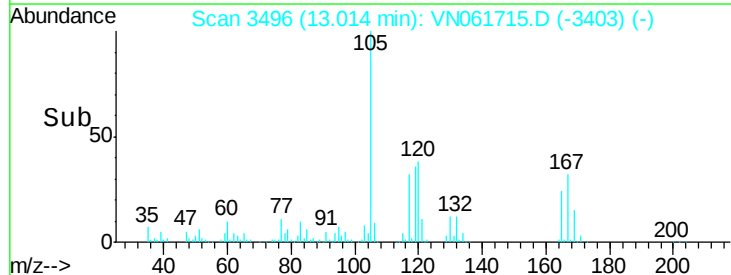
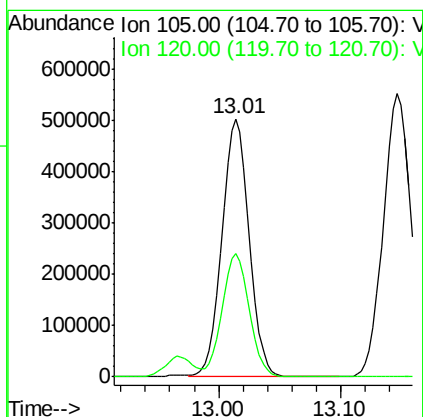
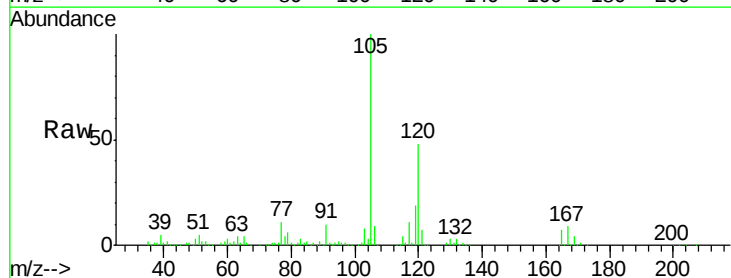
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

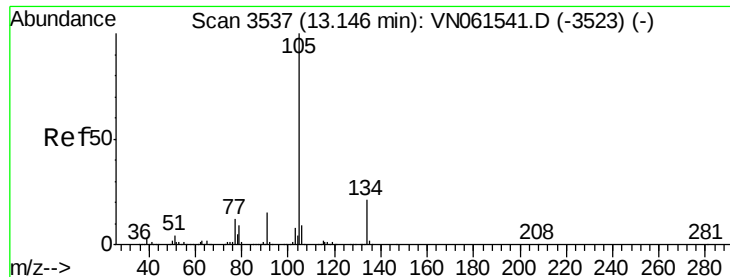
Tot Ion:119 Resp: 676418
Ion Ratio Lower Upper
119 100
91 60.6 31.3 93.8
134 26.9 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 48.621 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061715.D
Acq: 9 Jun 2020 10:22

Tgt Ion:105 Resp: 788558
Ion Ratio Lower Upper
105 100
120 47.9 23.2 69.5





#85

sec-Butylbenzene

Concen: 47.100 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

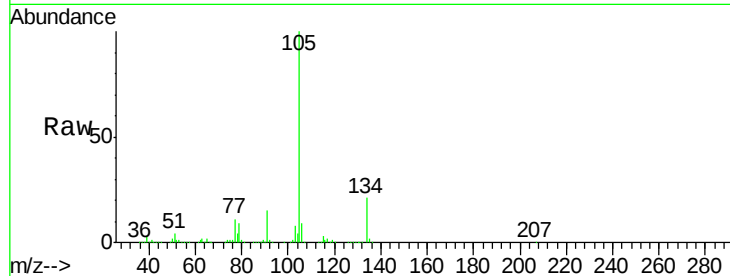
VSTDCCC050

Tot Ion:105 Resp: 875444

Ion Ratio Lower Upper

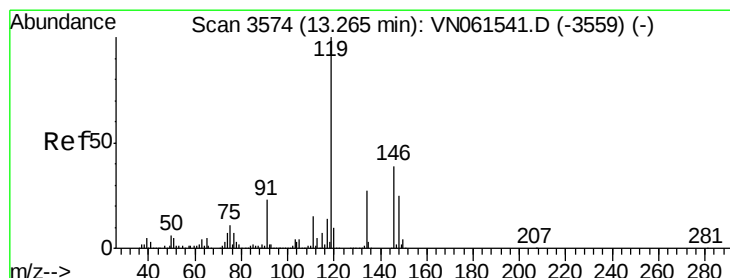
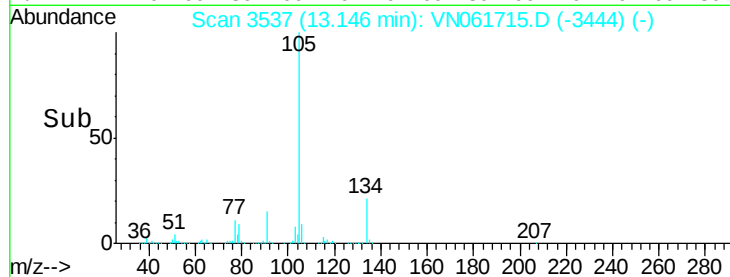
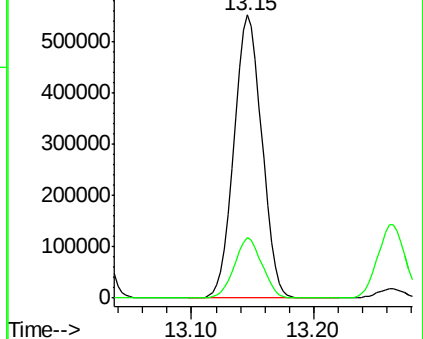
105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.298 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

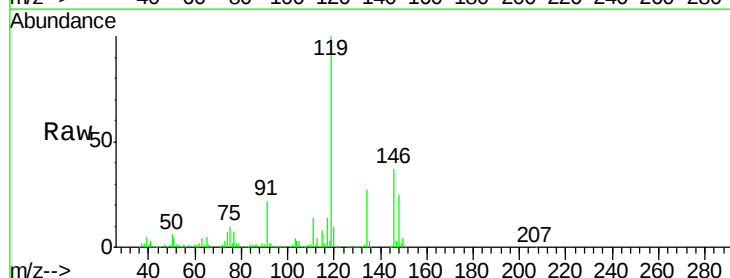
Tgt Ion:119 Resp: 826716

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

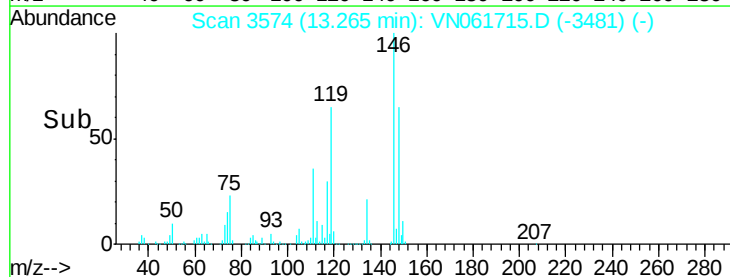
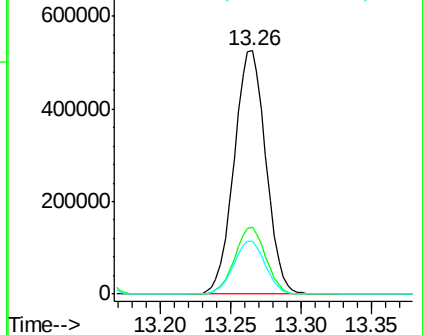
91 21.7 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

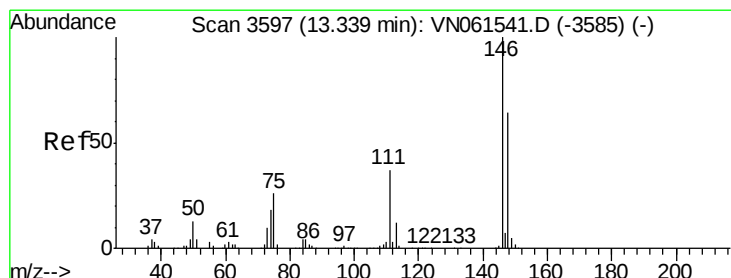
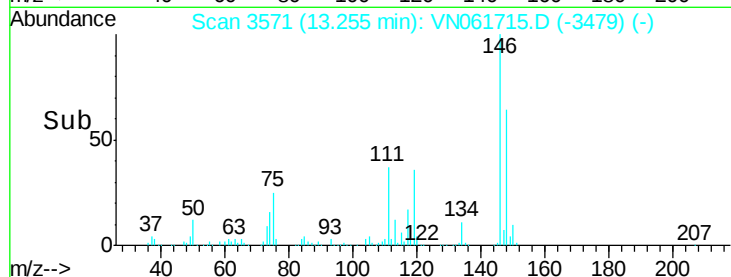
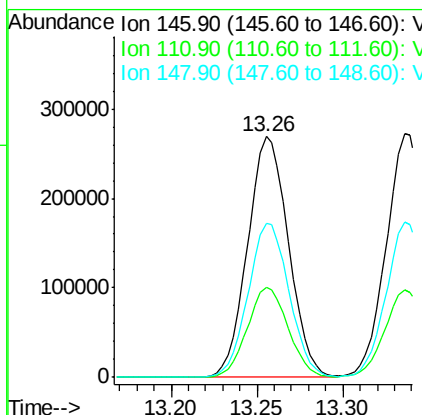
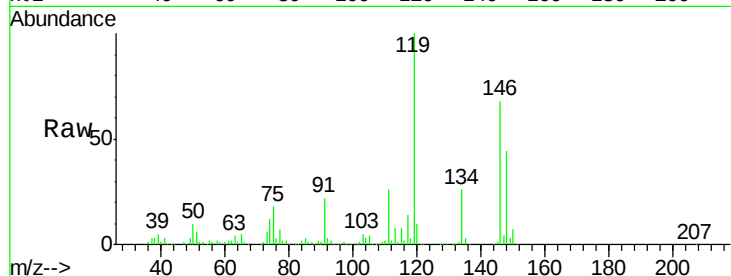




#87
 1,3-Dichlorobenzene
 Concen: 50.347 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

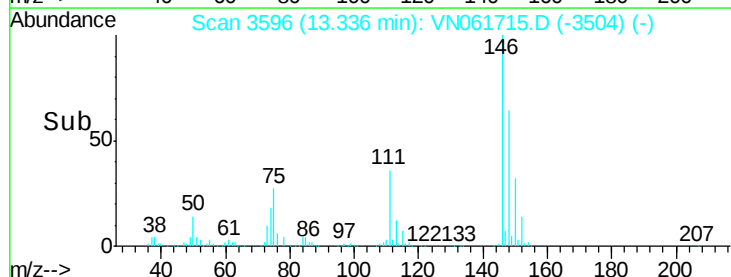
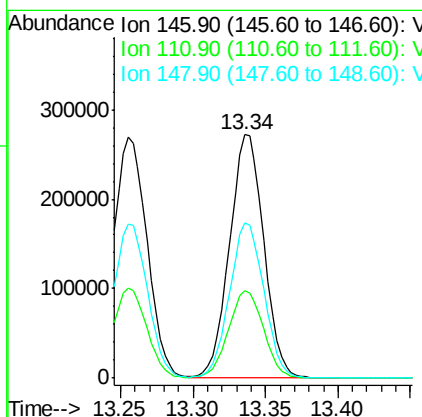
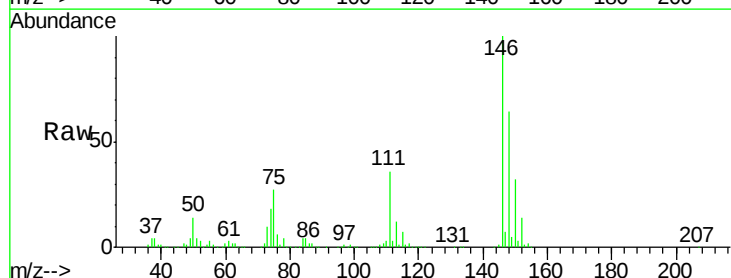
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

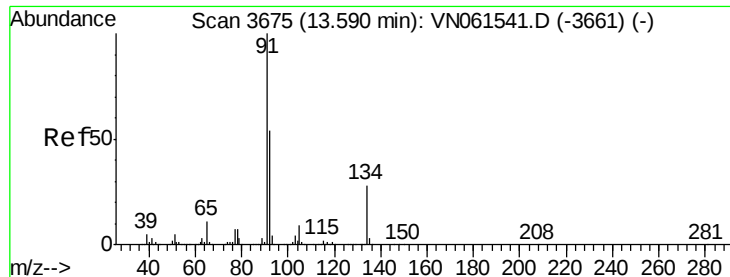
Tot Ion:146 Resp: 444506
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.2 57.6
 148 64.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 49.559 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Tgt Ion:146 Resp: 445742
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.9
 148 64.1 31.8 95.3





#89

n-Butylbenzene

Concen: 46.961 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

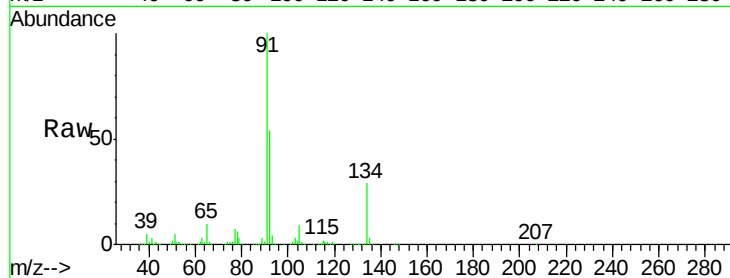
Tot Ion: 91 Resp: 673284

Ion Ratio Lower Upper

91 100

92 53.7 27.2 81.6

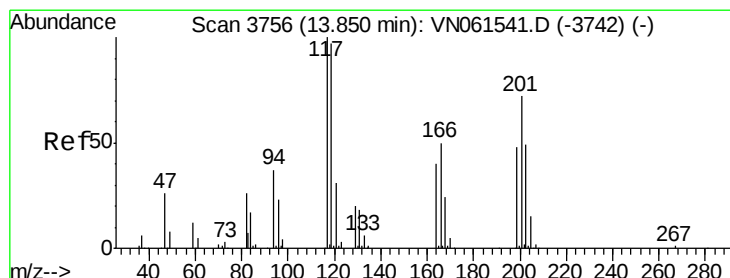
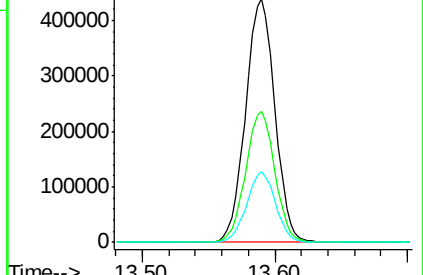
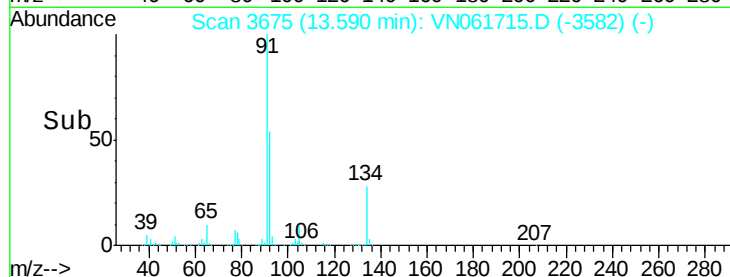
134 28.6 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061715.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061715.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061715.D (-3582) (-)



#90

Hexachloroethane

Concen: 59.241 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061715.D

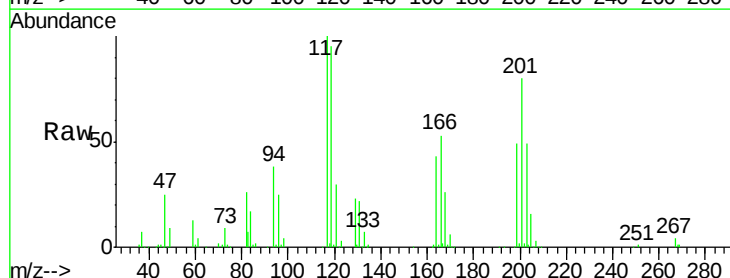
Acq: 9 Jun 2020 10:22

Tgt Ion: 117 Resp: 112144

Ion Ratio Lower Upper

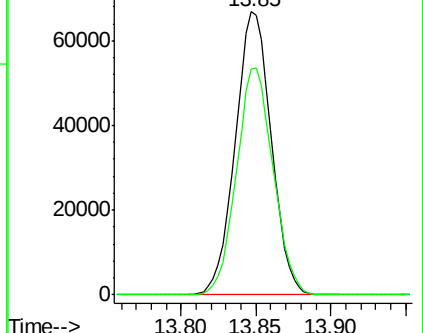
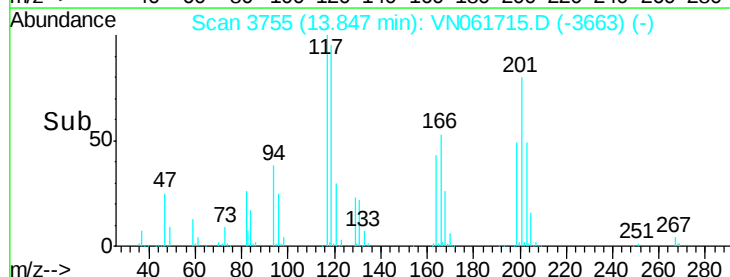
117 100

201 81.5 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061715.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061715.D (-3663) (-)





#91

1,2-Dichlorobenzene

Concen: 50.717 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

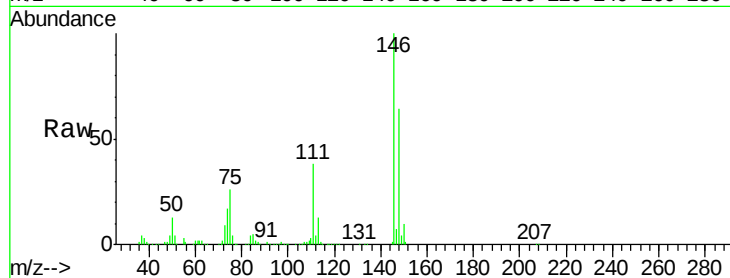
Tot Ion:146 Resp: 427922

Ion Ratio Lower Upper

146 100

111 38.2 20.1 60.2

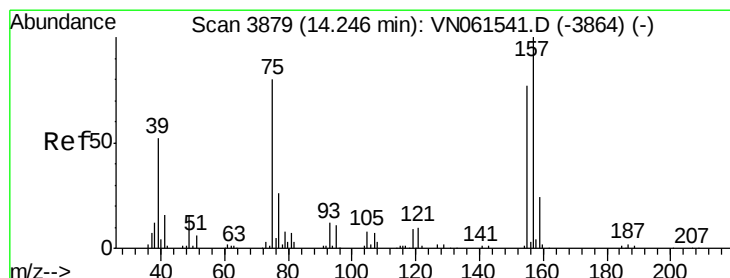
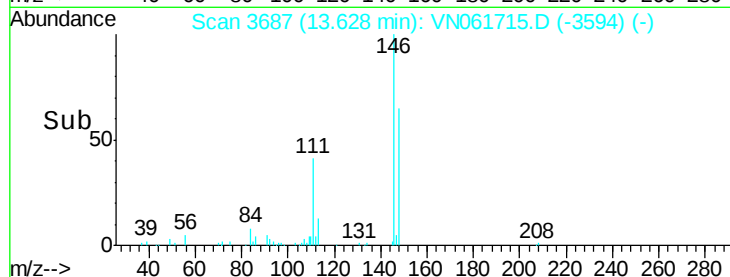
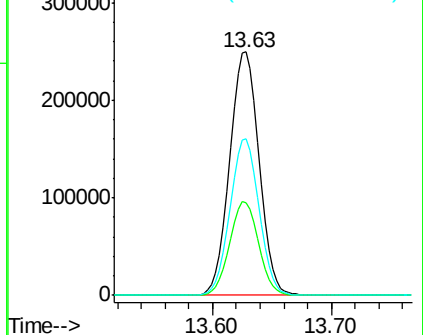
148 63.4 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 38.823 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

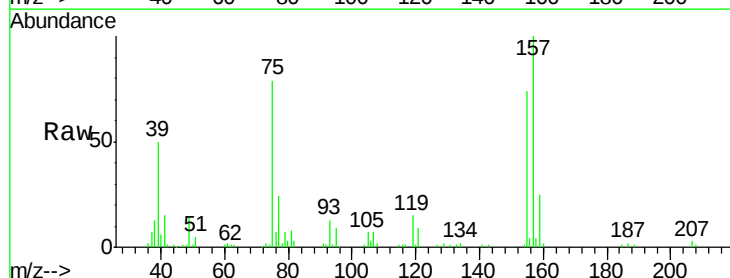
Tgt Ion: 75 Resp: 43338

Ion Ratio Lower Upper

75 100

155 98.7 47.1 141.4

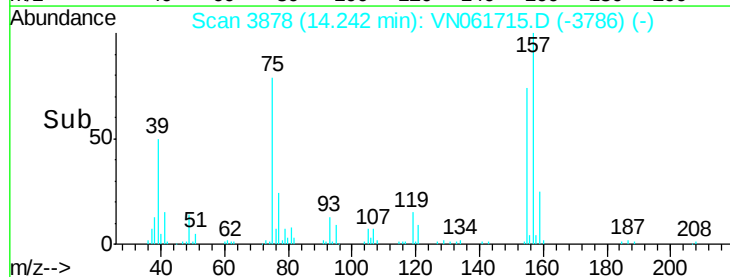
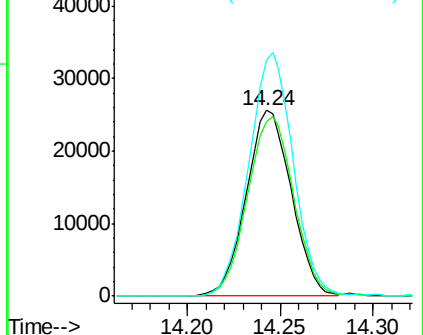
157 128.3 60.3 180.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

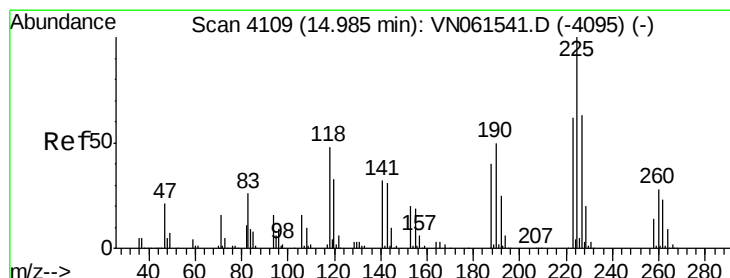
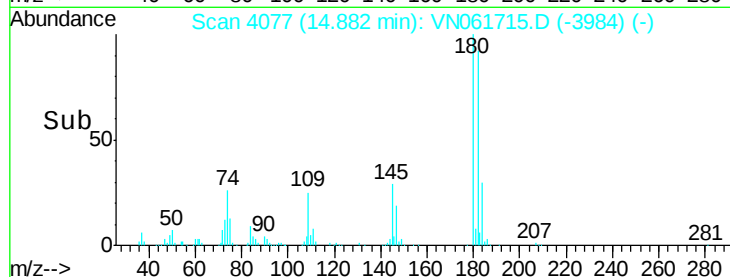
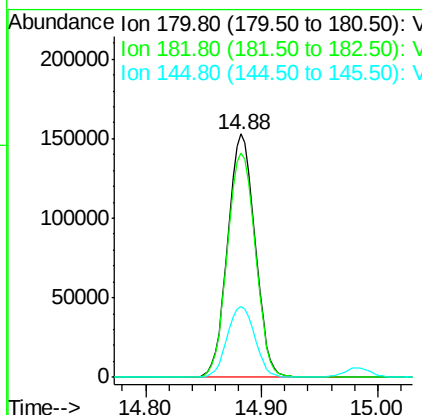
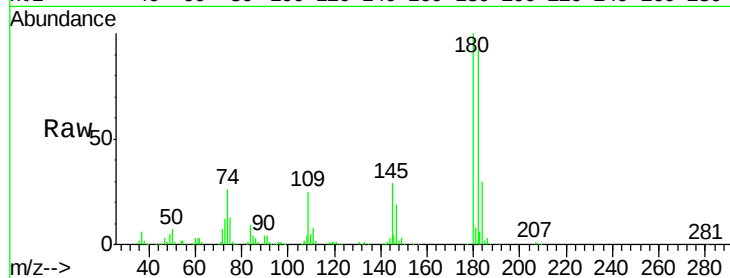




#93
 1,2,4-Trichlorobenzene
 Concen: 50.307 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

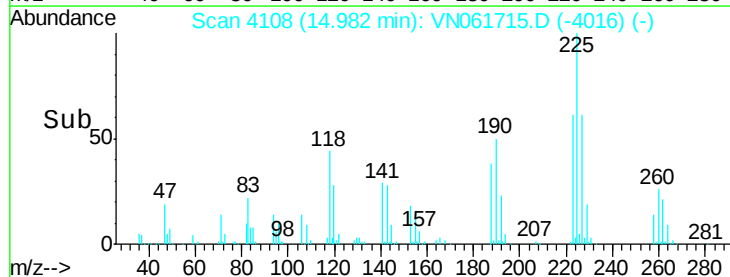
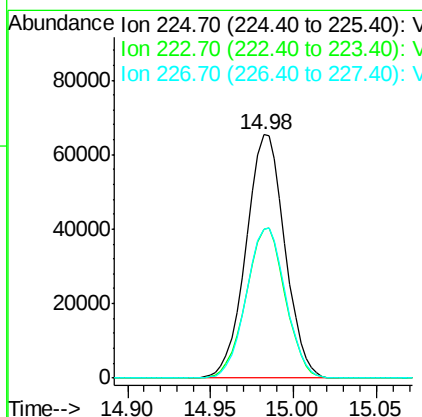
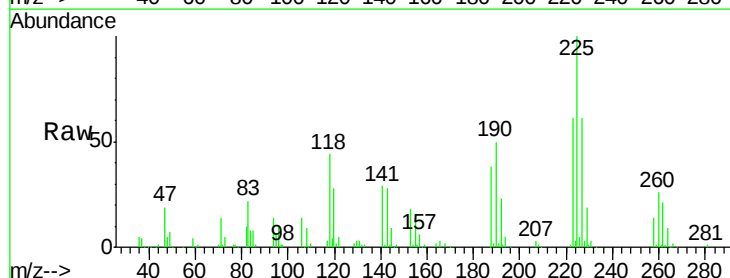
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 248240
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.8 143.3
 145 29.7 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 50.480 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061715.D
 Acq: 9 Jun 2020 10:22

Tgt Ion:225 Resp: 106236
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.9 95.5
 227 62.5 31.9 95.9





#95

Naphthalene

Concen: 44.997 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

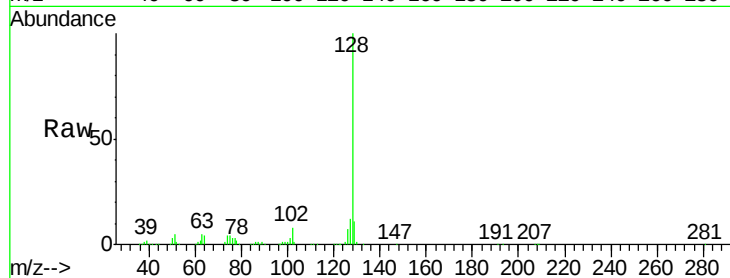
Tot Ion:128 Resp: 675829

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

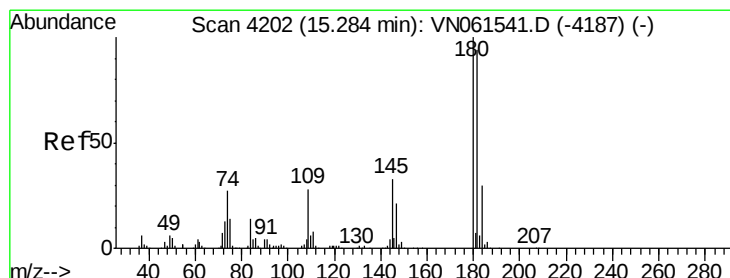
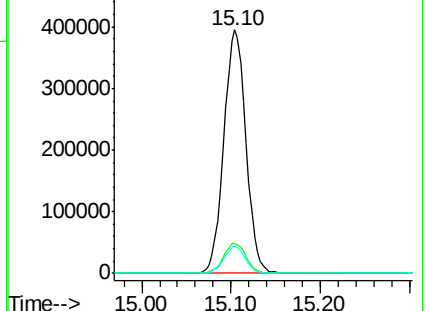
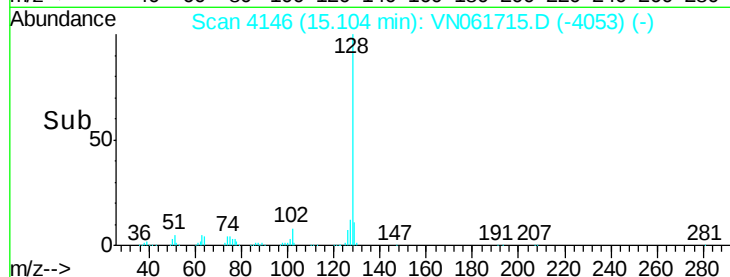
129 10.7 8.5 12.7



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: 49.182 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061715.D

Acq: 9 Jun 2020 10:22

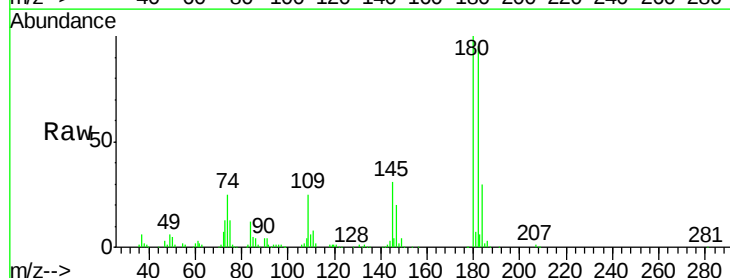
Tgt Ion:180 Resp: 238612

Ion Ratio Lower Upper

180 100

182 95.9 47.1 141.3

145 31.7 16.3 48.9



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

