

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060621.D
 Acq On : 19 Mar 2020 3:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 19 05:08:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	345684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148270	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	136106	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.56	113	101195	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	10.08	98	406163	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
62) 4-Bromofluorobenzene	12.39	95	149601	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	98129	50.708	ug/l	99
3) Chloromethane	2.04	50	172995	47.864	ug/l	99
4) Vinyl Chloride	2.16	62	141291	49.980	ug/l	99
5) Bromomethane	2.54	94	63512	52.044	ug/l	99
6) Chloroethane	2.68	64	83363	51.192	ug/l	99
7) Trichlorofluoromethane	3.00	101	175270	50.331	ug/l	99
8) Diethyl Ether	3.38	74	72506	51.829	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	100536	49.824	ug/l	99
10) Methyl Iodide	3.93	142	92273	51.390	ug/l	100
11) Tert butyl alcohol	4.73	59	98391	243.673	ug/l	99
12) 1,1-Dichloroethene	3.72	96	107469	49.631	ug/l	96
13) Acrolein	3.57	56	100771	225.181	ug/l	99
14) Allyl chloride	4.29	41	186786	49.045	ug/l	99
15) Acrylonitrile	4.94	53	304483	256.437	ug/l	99
16) Acetone	3.78	43	246181	253.135	ug/l	99
17) Carbon Disulfide	4.03	76	327398	49.715	ug/l	99
18) Methyl Acetate	4.29	43	136161	49.741	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	376121	50.521	ug/l	98
20) Methylene Chloride	4.52	84	119996	50.158	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	117412	50.876	ug/l	95
22) Diisopropyl ether	5.91	45	420038	52.204	ug/l	99
23) Vinyl Acetate	5.86	43	1743256	265.542	ug/l	100
24) 1,1-Dichloroethane	5.82	63	227369	51.836	ug/l	99
25) 2-Butanone	6.80	43	398715	253.359	ug/l	99
26) 2,2-Dichloropropane	6.80	77	148670	43.079	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	131914	50.300	ug/l	99
28) Bromochloromethane	7.17	49	113248	53.964	ug/l	100
29) Tetrahydrofuran	7.18	42	279569	251.079	ug/l	99
30) Chloroform	7.35	83	214704	51.060	ug/l	100
31) Cyclohexane	7.63	56	209706	47.423	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	186330	51.402	ug/l	99
36) 1,1-Dichloropropene	7.77	75	166294	49.680	ug/l	100
37) Ethyl Acetate	6.90	43	175280	48.463	ug/l	99
38) Carbon Tetrachloride	7.75	117	150061	50.020	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	188769	47.455	ug/l	99
40) Benzene	8.02	78	502559	49.735	ug/l	99
41) Methacrylonitrile	7.18	41	251177	162.726	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	174571	50.552	ug/l	99
43) Isopropyl Acetate	8.14	43	299748	50.252	ug/l	100
44) Trichloroethene	8.82	130	126429	49.633	ug/l	97
45) 1,2-Dichloropropane	9.10	63	136797	51.306	ug/l	97
46) Dibromomethane	9.19	93	81393	50.494	ug/l	100
47) Bromodichloromethane	9.39	83	170611	50.935	ug/l	99
48) Methyl methacrylate	9.18	41	132072	49.731	ug/l	98
49) 1,4-Dioxane	9.18	88	32762	1037.879	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	863501	254.401	ug/l	100
52) Toluene	10.14	92	303645	49.757	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	192089	49.924	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	208334	49.356	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	117313	49.969	ug/l	99
56) Ethyl methacrylate	10.42	69	188899	51.603	ug/l	99
57) 1,3-Dichloropropane	10.70	76	206788	50.758	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	460797	253.271	ug/l	99
59) 2-Hexanone	10.74	43	620887	253.935	ug/l	100
60) Dibromochloromethane	10.89	129	124310	51.260	ug/l	99
61) 1,2-Dibromoethane	10.99	107	121959	51.661	ug/l	98
64) Tetrachloroethene	10.62	164	119931	48.057	ug/l	98
65) Chlorobenzene	11.43	112	311139	49.489	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	114327	50.225	ug/l	98
67) Ethyl Benzene	11.50	91	583219	49.883	ug/l	99
68) m/p-Xylenes	11.61	106	432778	99.611	ug/l	100
69) o-Xylene	11.94	106	206072	49.686	ug/l	100
70) Styrene	11.96	104	341959	50.413	ug/l	100
71) Bromoform	12.12	173	87477	46.364	ug/l #	99
73) Isopropylbenzene	12.24	105	547948	49.245	ug/l	100
74) N-amyl acetate	12.06	43	261344	50.828	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	166604	49.512	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	225800	70.577	ug/l #	100
77) Bromobenzene	12.52	156	131299	48.970	ug/l	99
78) n-propylbenzene	12.59	91	645136	49.075	ug/l	99
79) 2-Chlorotoluene	12.67	91	380806	48.481	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	460570	48.775	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58786	47.191	ug/l	98
82) 4-Chlorotoluene	12.77	91	395772	49.472	ug/l	99
83) tert-Butylbenzene	12.99	119	381314	48.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	462511	49.510	ug/l	99
85) sec-Butylbenzene	13.17	105	508495	48.309	ug/l	100
86) p-Isopropyltoluene	13.28	119	452607	47.818	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	230145	48.668	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	231172	48.657	ug/l	99
89) n-Butylbenzene	13.61	91	406085	47.519	ug/l	99
90) Hexachloroethane	13.87	117	68599	49.859	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	223791	49.492	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33180	47.062	ug/l	99

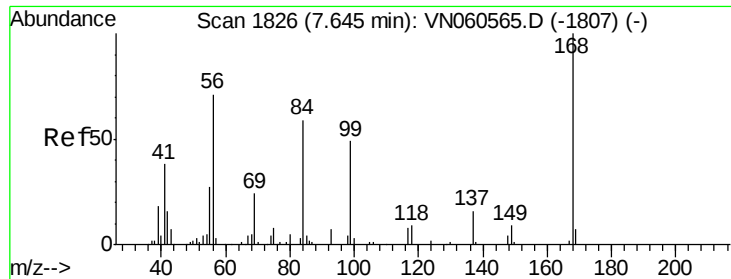
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	132067	47.561	ug/l	99
94) Hexachlorobutadiene	15.00	225	59724	43.875	ug/l	100
95) Naphthalene	15.13	128	406286	48.645	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129230	47.249	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

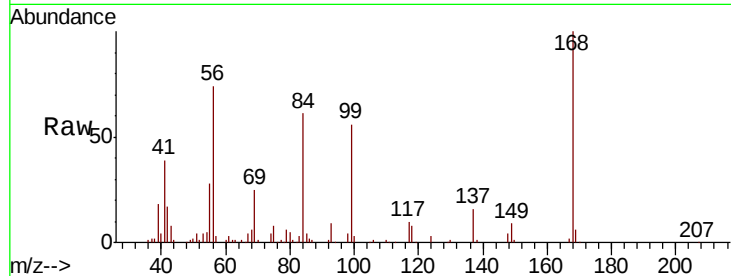
VSTDCCC050EC

Tot Ion:168 Resp: 200000

Ion Ratio Lower Upper

168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060621.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060621.D (-1733) (-)

7.64

80000

60000

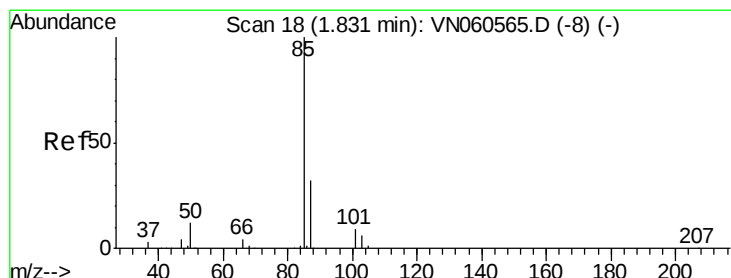
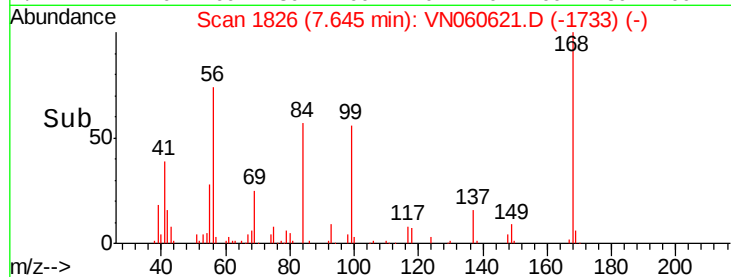
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.708 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060621.D

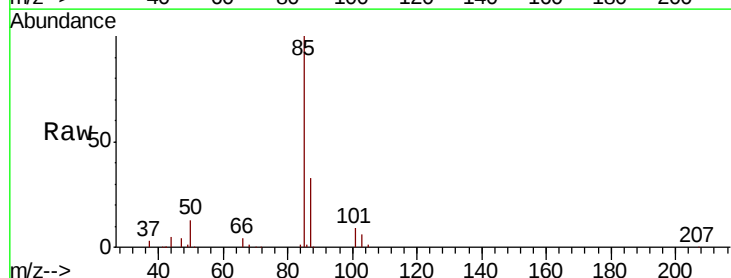
Acq: 19 Mar 2020 3:22

Tgt Ion: 85 Resp: 98129

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060621.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN060621.D (-1) (-)

1.83

80000

60000

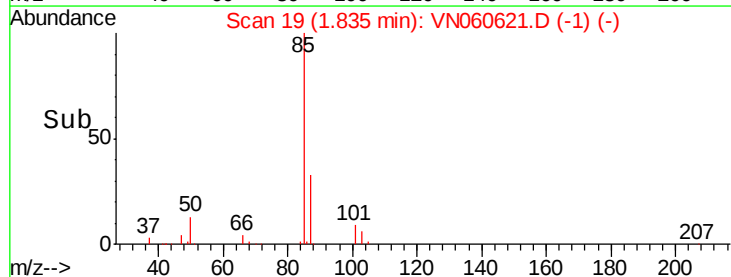
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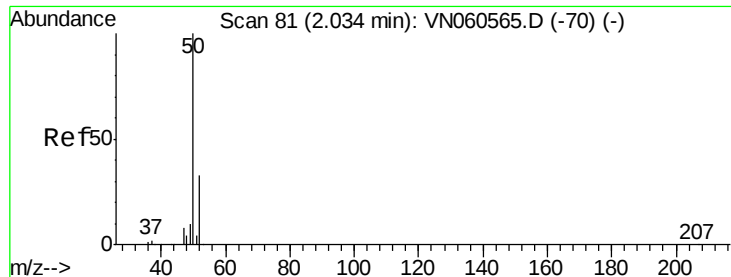
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 47.864 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

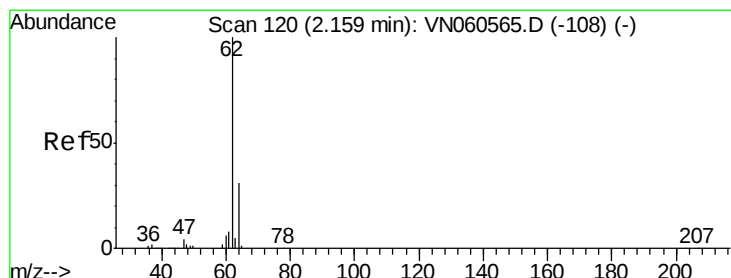
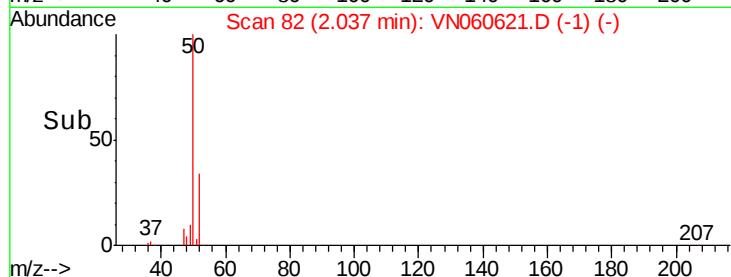
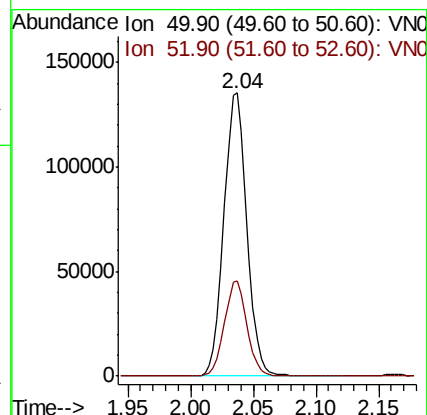
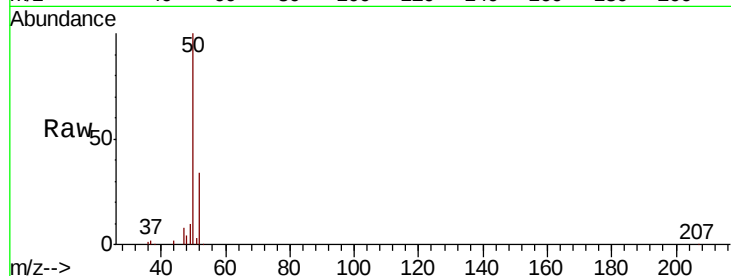
VSTDCCC050EC

Tot Ion: 50 Resp: 172995

Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.2



#4

Vinyl Chloride

Concen: 49.980 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060621.D

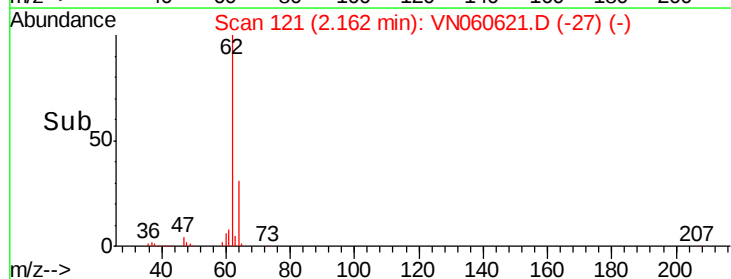
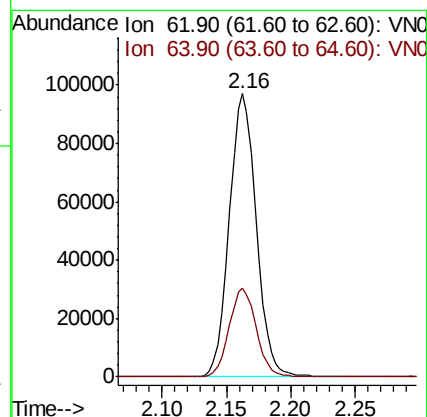
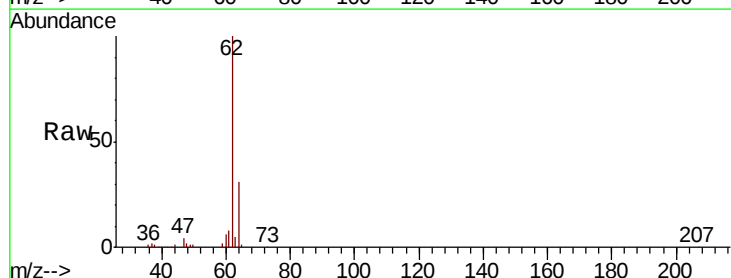
Acq: 19 Mar 2020 3:22

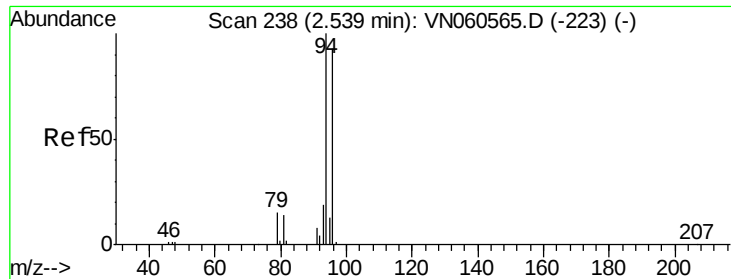
Tgt Ion: 62 Resp: 141291

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1





#5

Bromomethane

Concen: 52.044 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

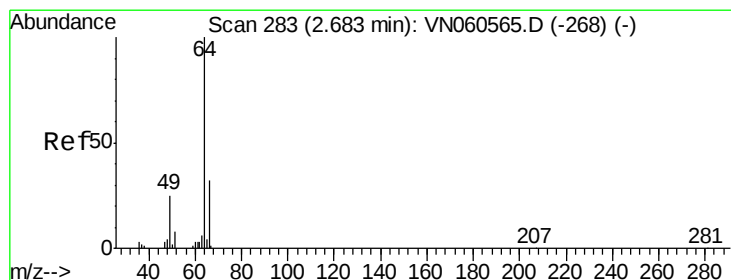
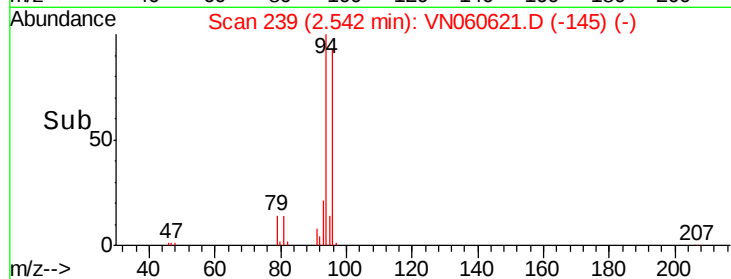
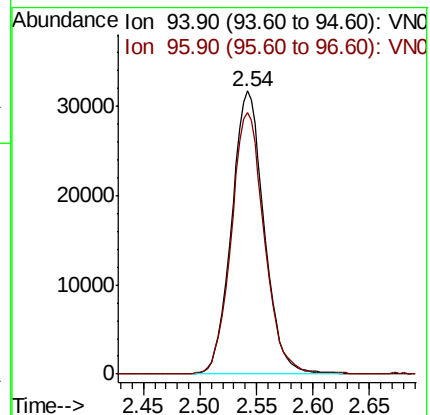
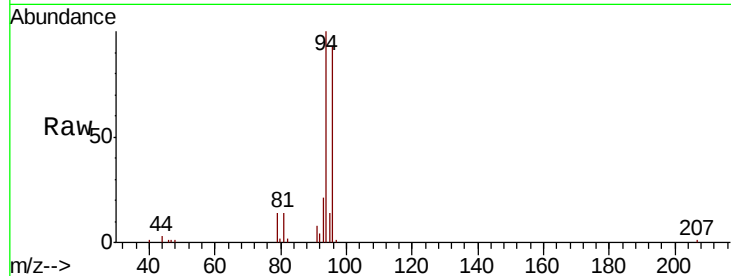
VSTDCCC050EC

Tot Ion: 94 Resp: 63512

Ion Ratio Lower Upper

94 100

96 92.5 74.6 112.0



#6

Chloroethane

Concen: 51.192 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060621.D

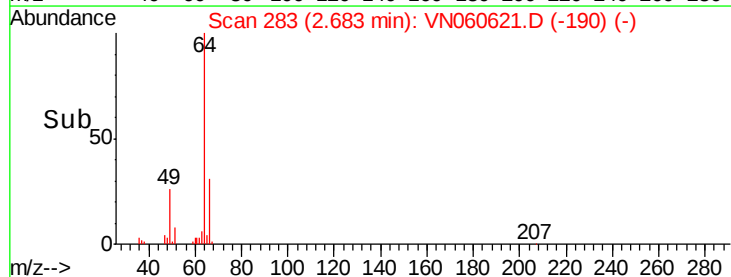
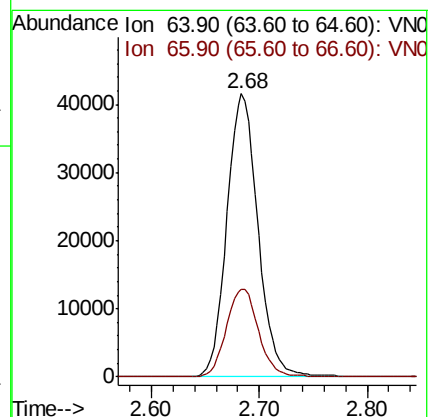
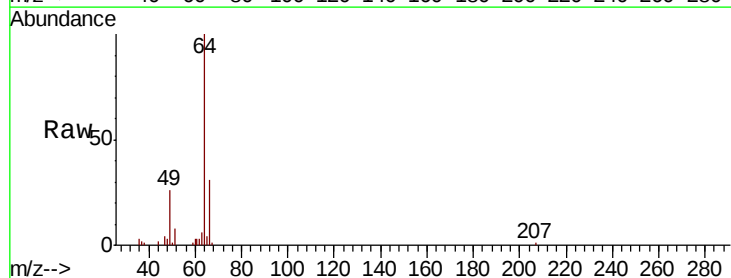
Acq: 19 Mar 2020 3:22

Tgt Ion: 64 Resp: 83363

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9



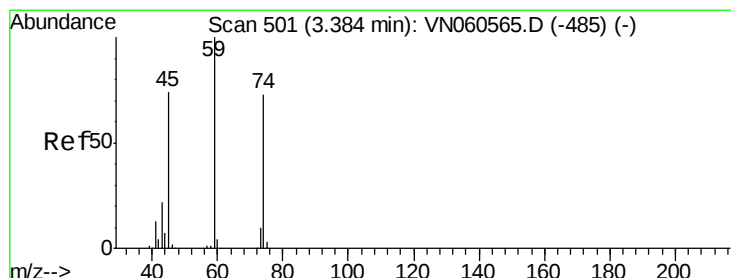
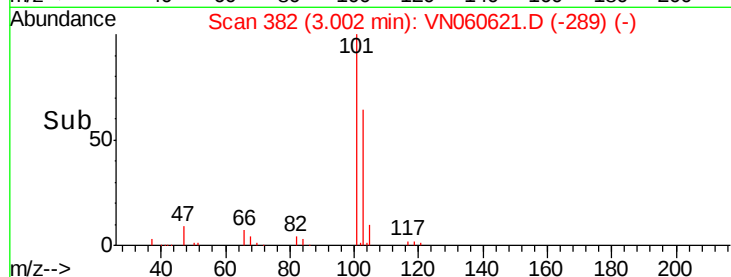
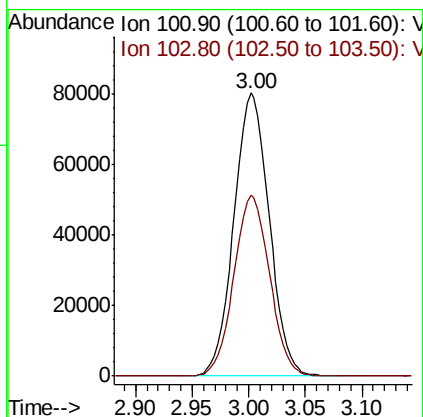
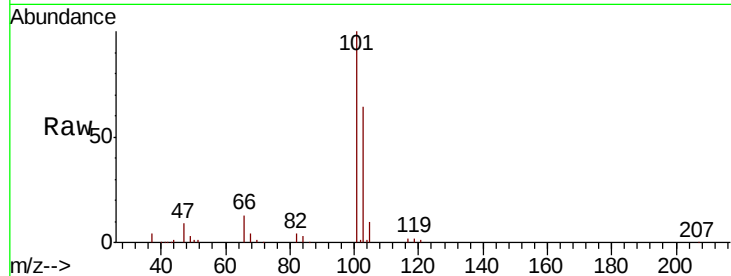


#7

Trichlorofluoromethane
 Concen: 50.331 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

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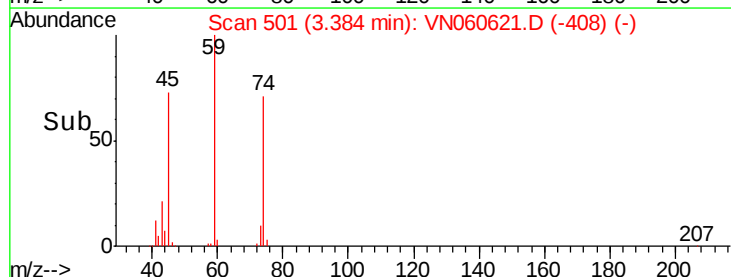
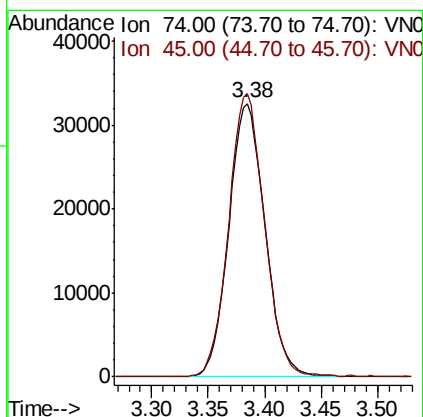
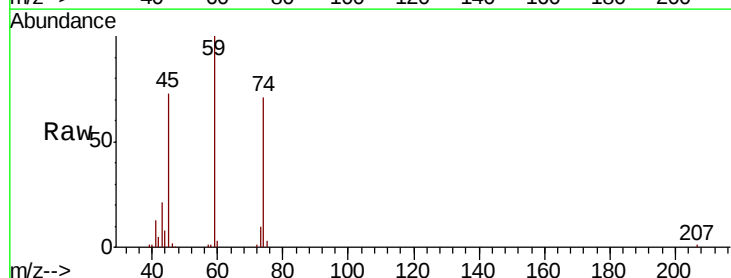
Tot Ion:101 Resp: 175270
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.6 76.0



#8

Diethyl Ether
 Concen: 51.829 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

Tgt Ion: 74 Resp: 72506
 Ion Ratio Lower Upper
 74 100
 45 102.5 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.824 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

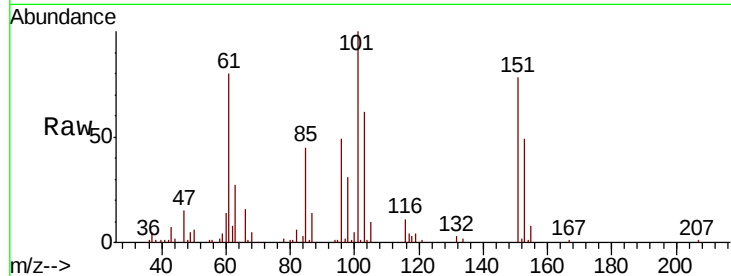
Tot Ion:101 Resp: 100536

Ion Ratio Lower Upper

101 100

85 43.7 35.6 53.4

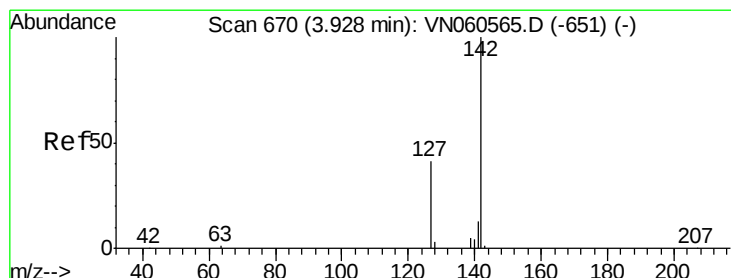
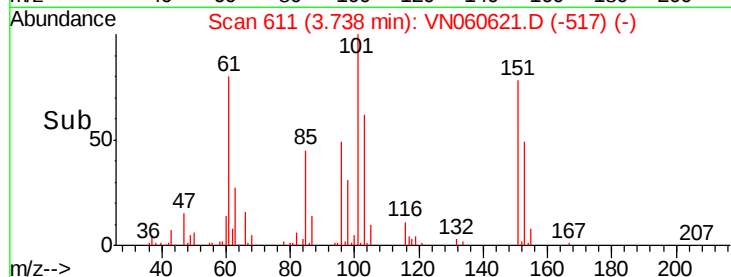
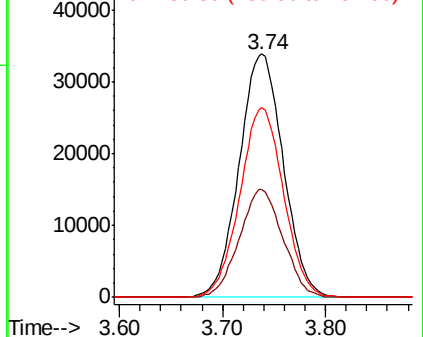
151 77.3 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.390 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

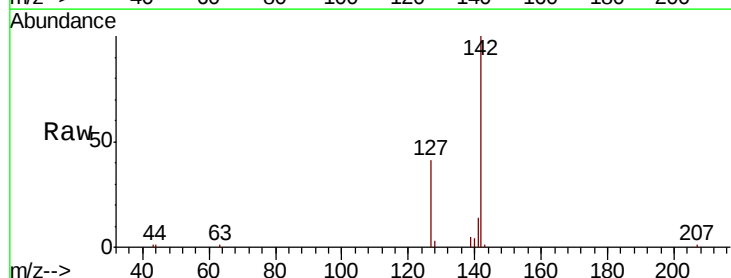
Tgt Ion:142 Resp: 92273

Ion Ratio Lower Upper

142 100

127 41.9 33.5 50.3

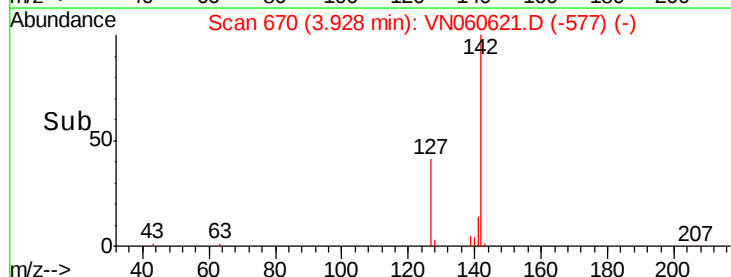
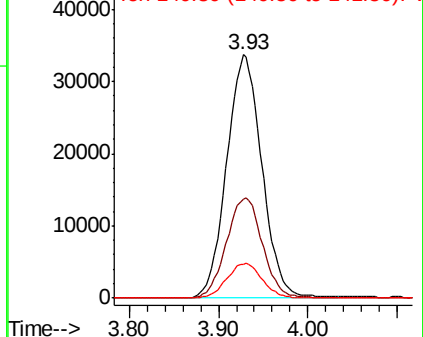
141 14.2 11.0 16.6

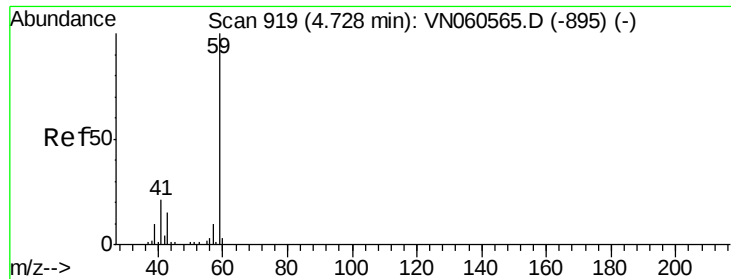


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

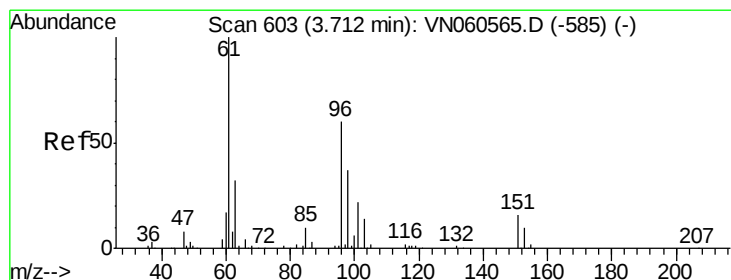
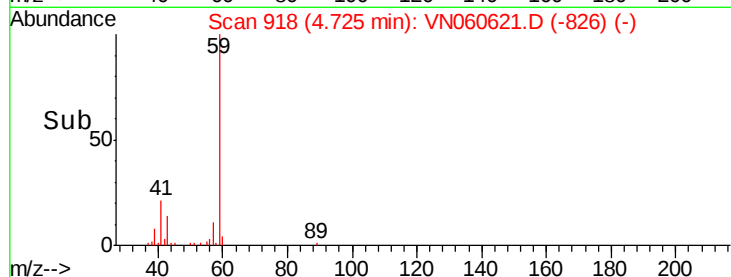
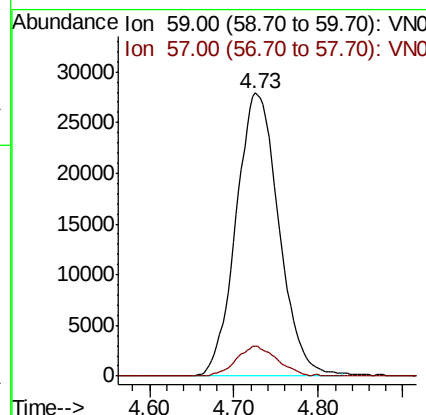
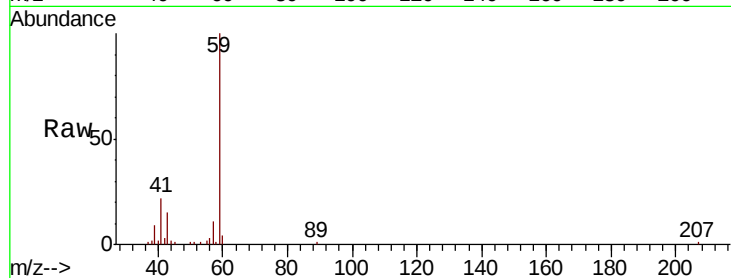




#11
Tert butyl alcohol
Concen: 243.673 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

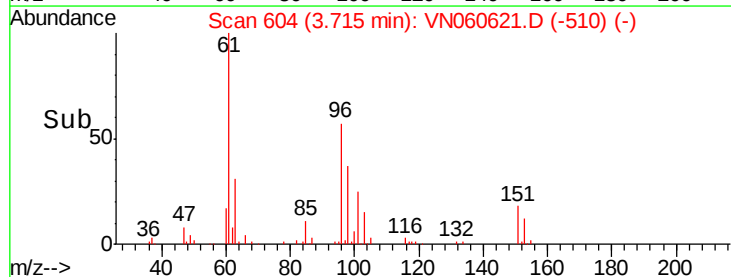
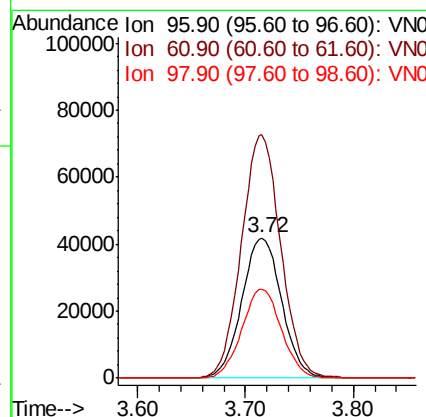
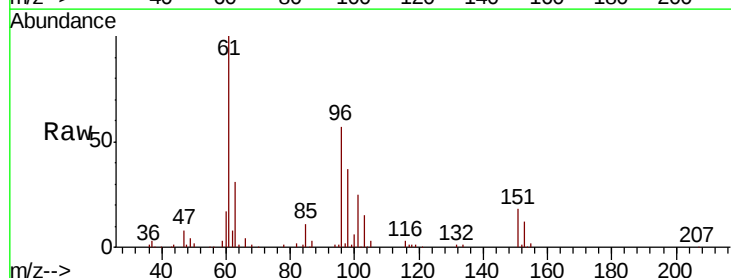
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

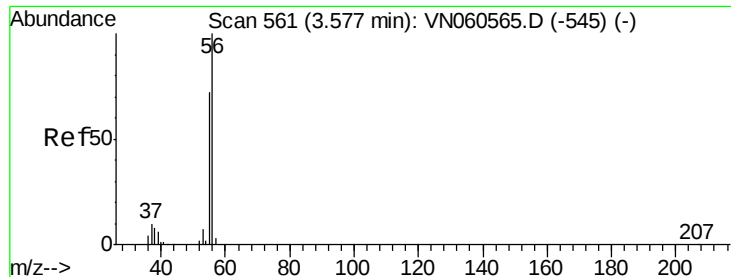
Tot Ion: 59 Resp: 98391
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4



#12
1,1-Dichloroethene
Concen: 49.631 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 96 Resp: 107469
Ion Ratio Lower Upper
96 100
61 174.0 134.1 201.1
98 63.9 49.9 74.9





#13

Acrolein

Concen: 225.181 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

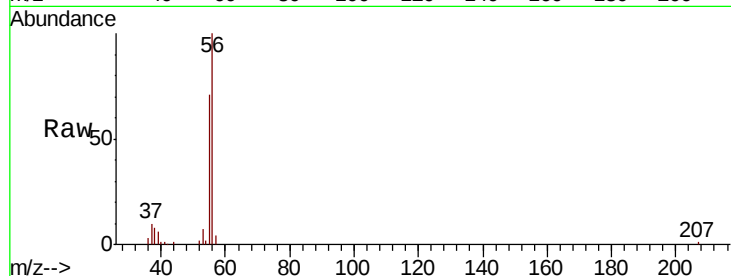
VSTDCCC050EC

Tot Ion: 56 Resp: 100771

Ion Ratio Lower Upper

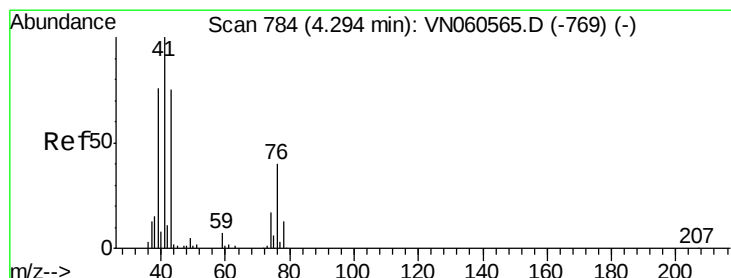
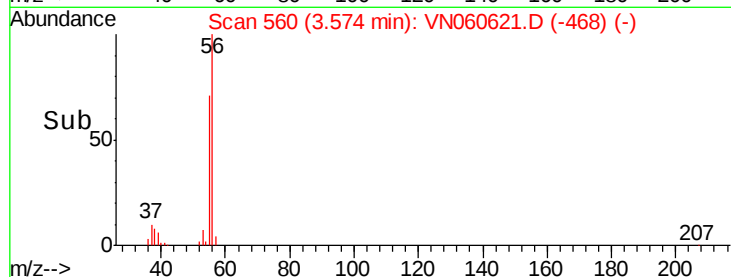
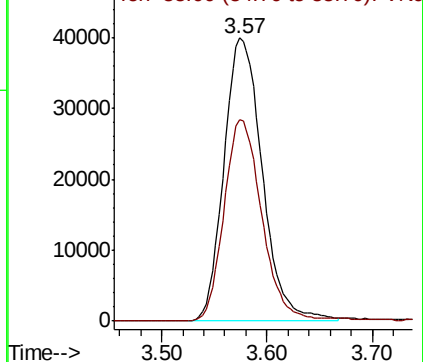
56 100

55 69.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.045 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

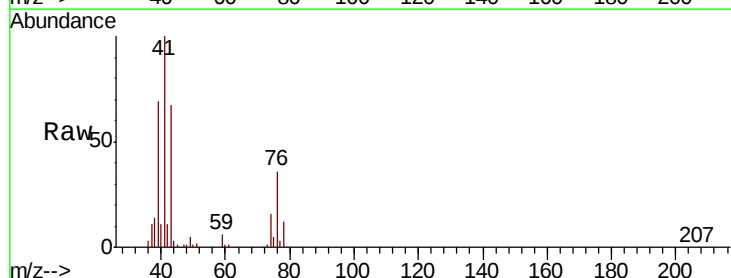
Tgt Ion: 41 Resp: 186786

Ion Ratio Lower Upper

41 100

39 71.4 57.8 86.8

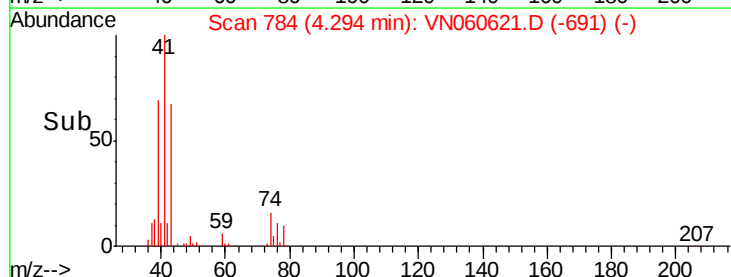
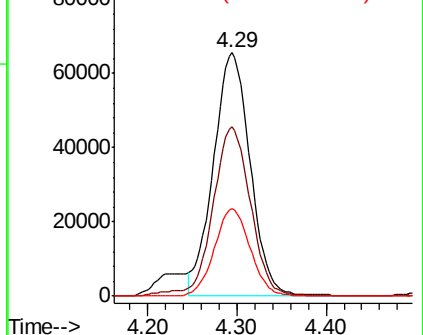
76 35.1 28.6 43.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 256.437 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

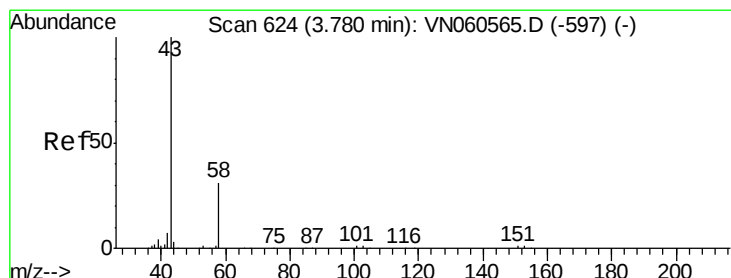
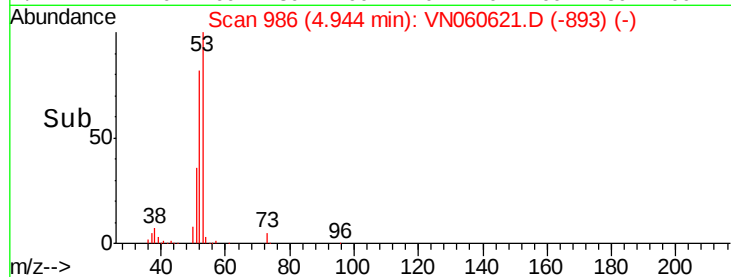
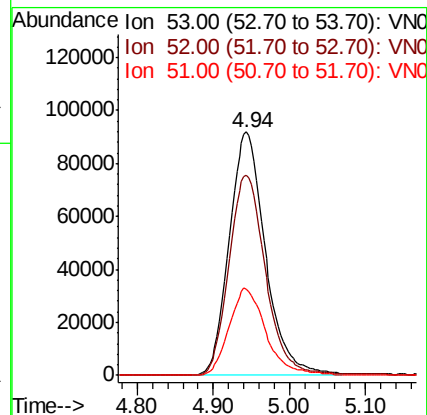
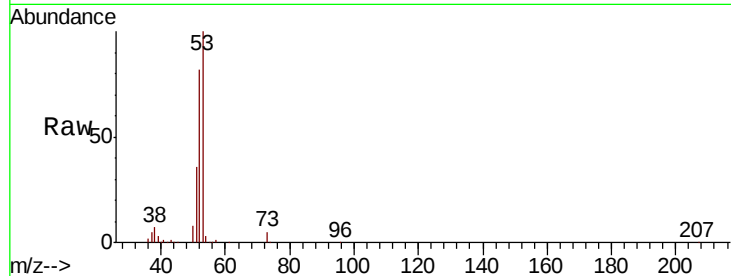
Tot Ion: 53 Resp: 304483

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.4

51 36.5 28.7 43.1



#16

Acetone

Concen: 253.135 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060621.D

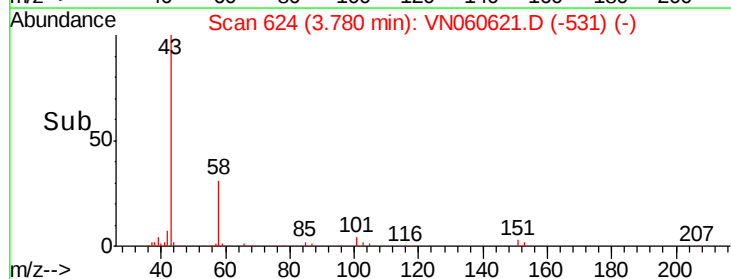
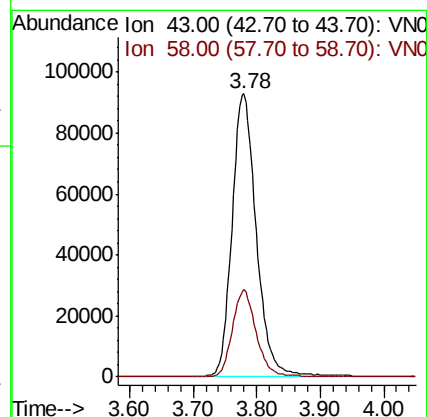
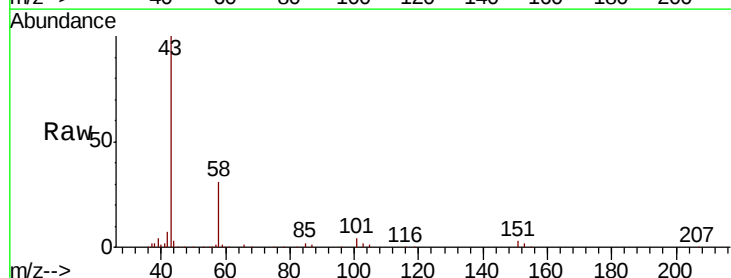
Acq: 19 Mar 2020 3:22

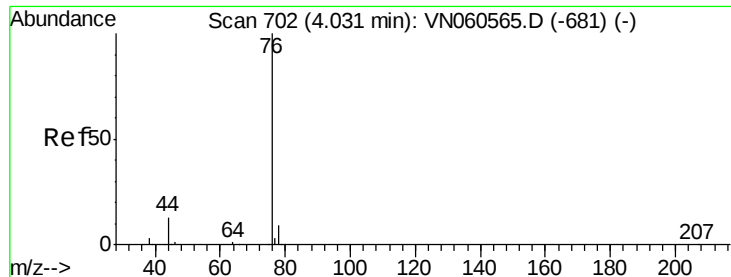
Tgt Ion: 43 Resp: 246181

Ion Ratio Lower Upper

43 100

58 31.0 25.1 37.7

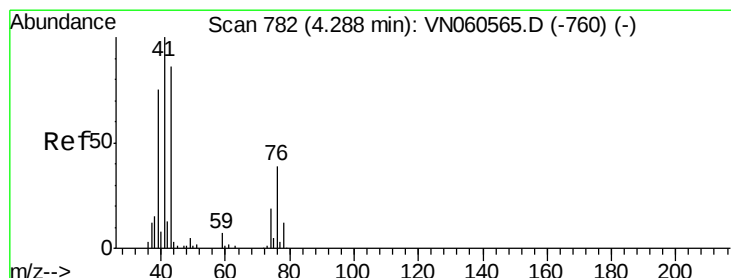
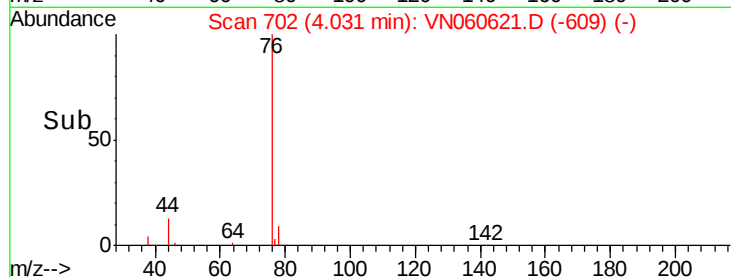
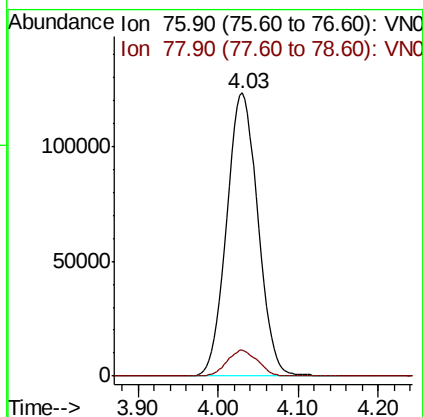
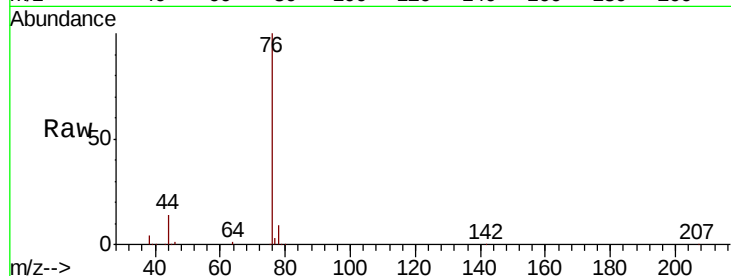




#17
Carbon Disulfide
Concen: 49.715 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

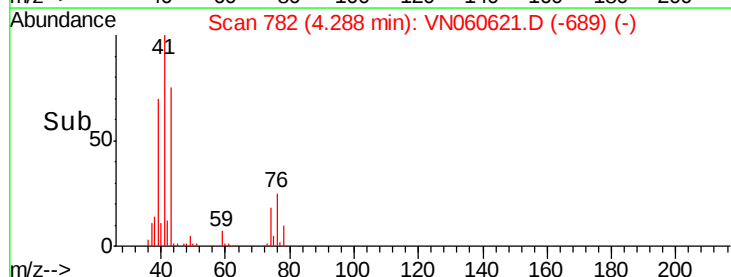
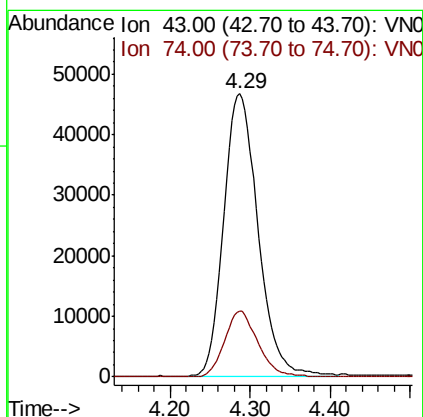
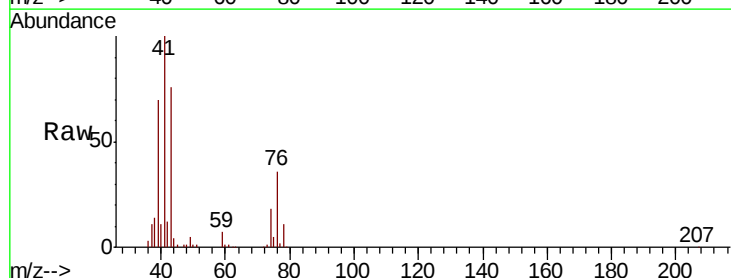
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 327398
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 49.741 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 43 Resp: 136161
Ion Ratio Lower Upper
43 100
74 22.7 17.5 26.3

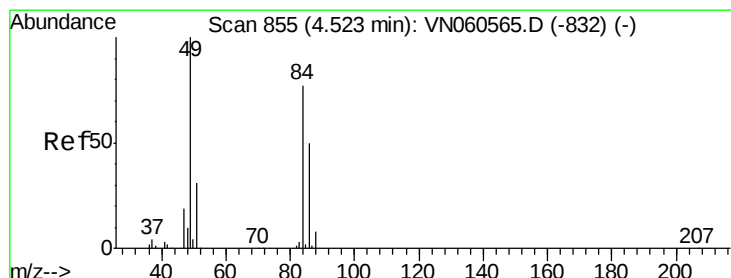
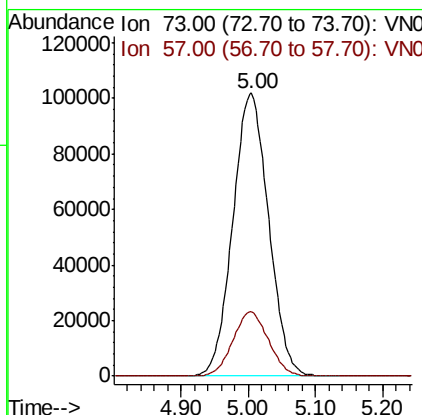
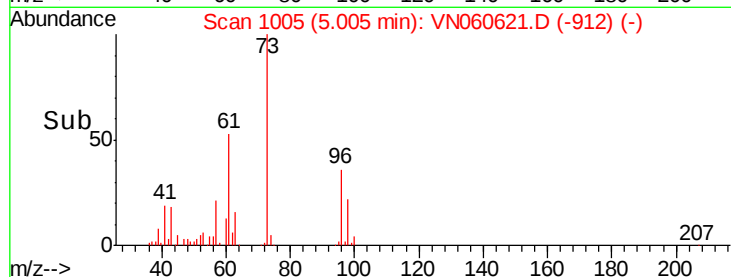
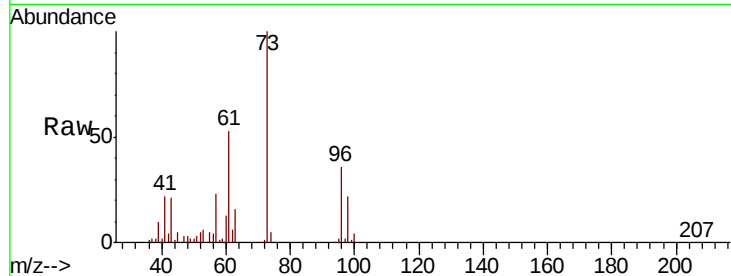




#19
Methyl tert-butyl Ether
Concen: 50.521 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

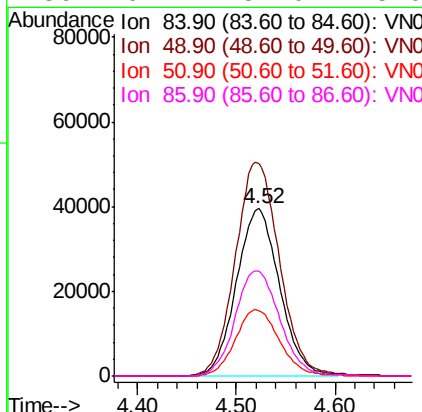
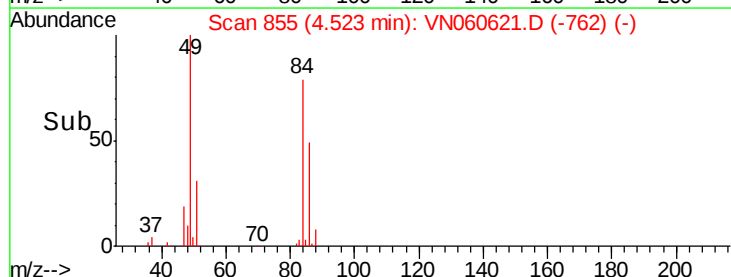
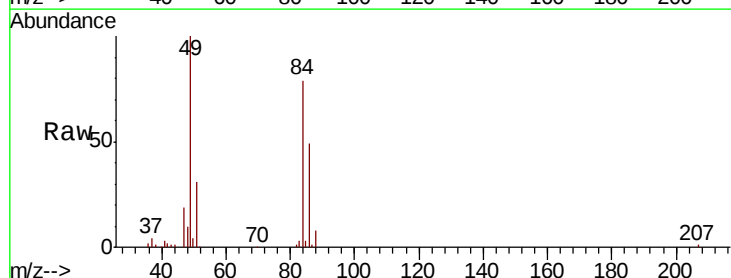
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

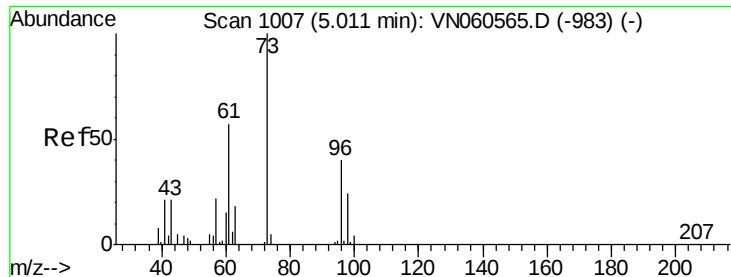
Tot Ion: 73 Resp: 376121
Ion Ratio Lower Upper
73 100
57 22.9 17.5 26.3



#20
Methylene Chloride
Concen: 50.158 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 84 Resp: 119996
Ion Ratio Lower Upper
84 100
49 127.4 103.3 154.9
51 39.3 31.6 47.4
86 62.7 52.0 78.0

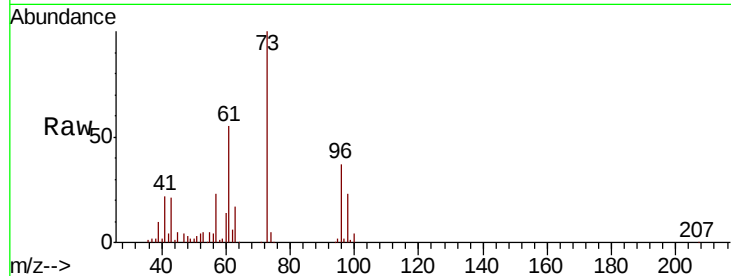




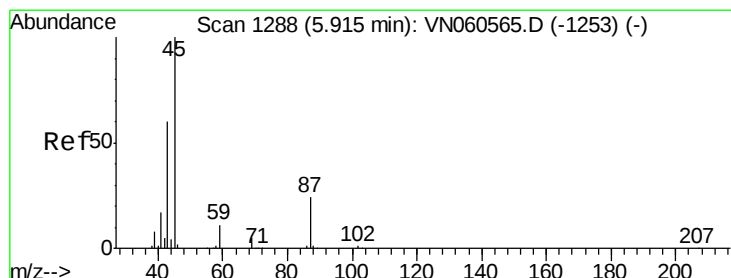
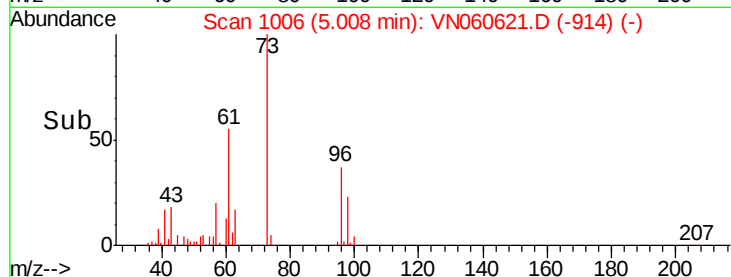
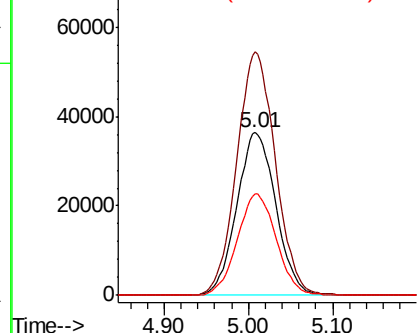
#21
trans-1,2-Dichloroethene
Concen: 50.876 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 117412
Ion Ratio Lower Upper
96 100
61 149.6 114.4 171.6
98 62.6 48.4 72.6

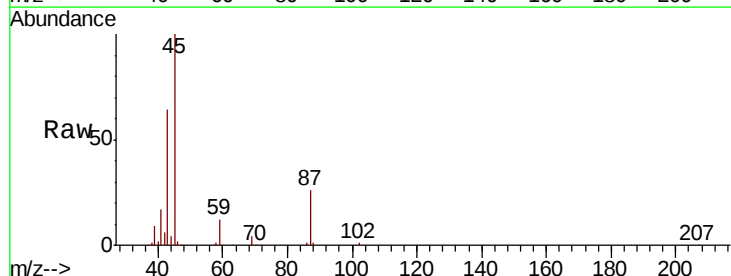


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

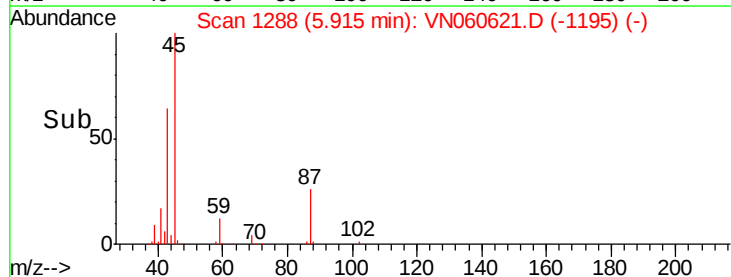
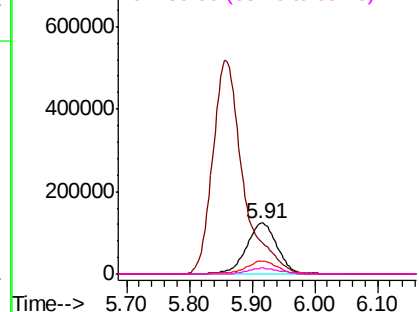


#22
Diisopropyl ether
Concen: 52.204 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 45 Resp: 420038
Ion Ratio Lower Upper
45 100
43 62.8 49.8 74.8
87 25.7 20.1 30.1
59 11.5 9.2 13.8



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





#23

Vinyl Acetate

Concen: 265.542 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

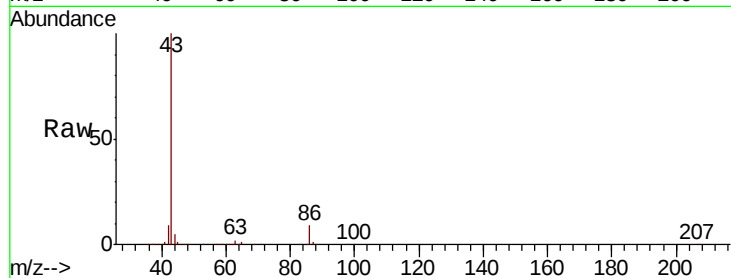
VSTDCCC050EC

Tot Ion: 43 Resp: 1743256

Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060565.D (-1246) (-)

5.86

600000

500000

400000

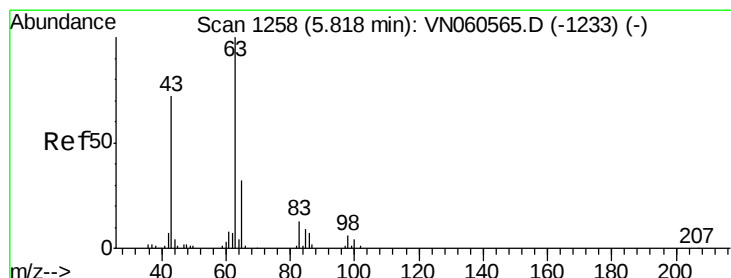
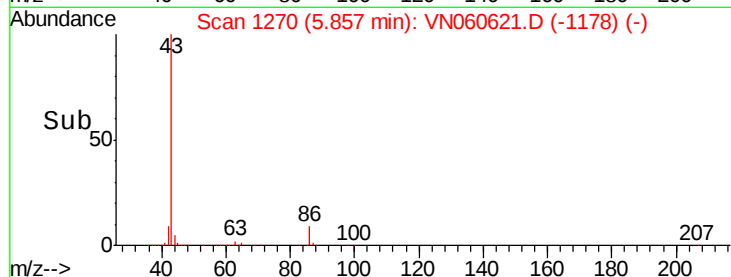
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 51.836 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

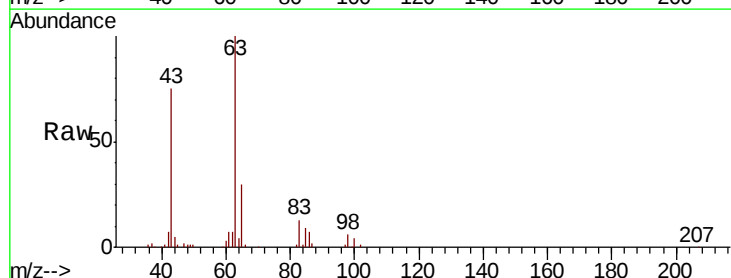
Tgt Ion: 63 Resp: 227369

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.7

100 3.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060565.D (-1233) (-)

100000

80000

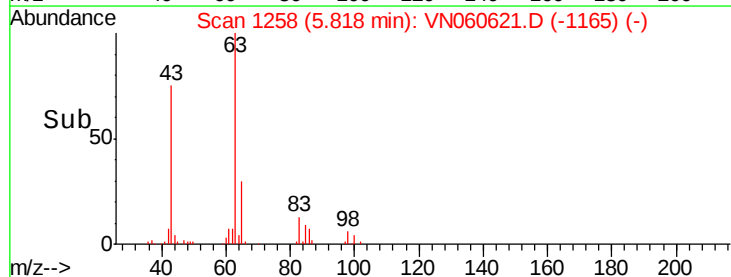
60000

40000

20000

0

Time--> 5.70 5.80 5.90

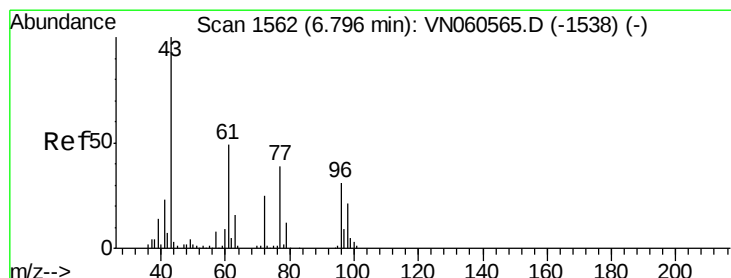
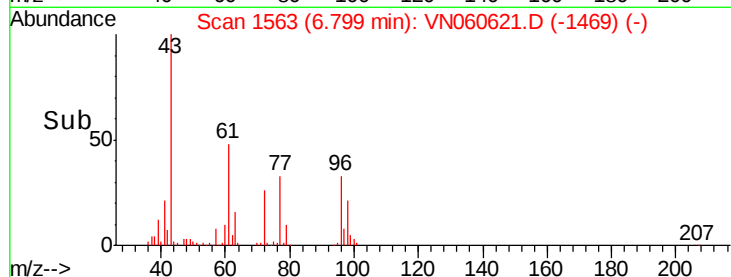
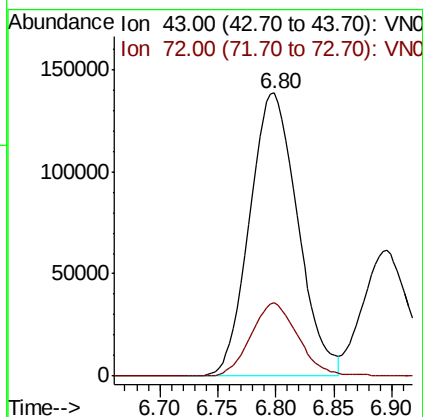
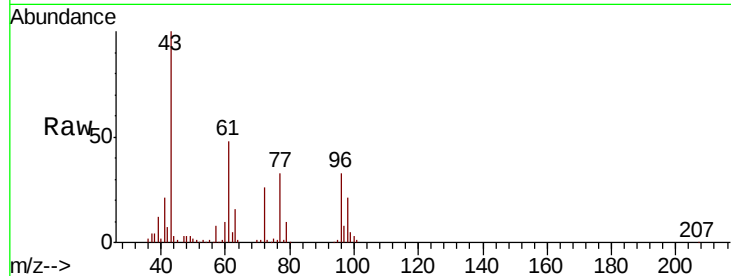




#25
2-Butanone
Concen: 253.359 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

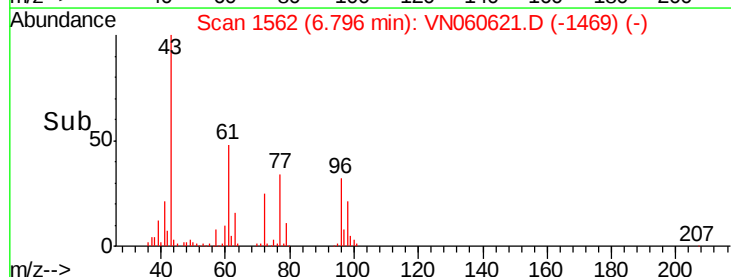
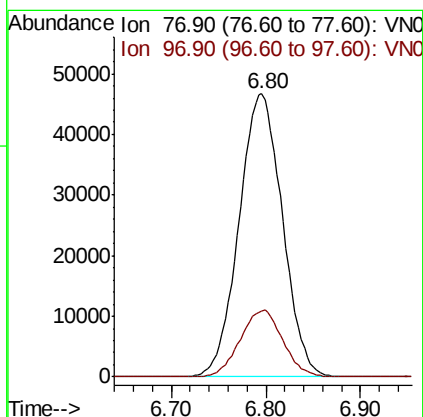
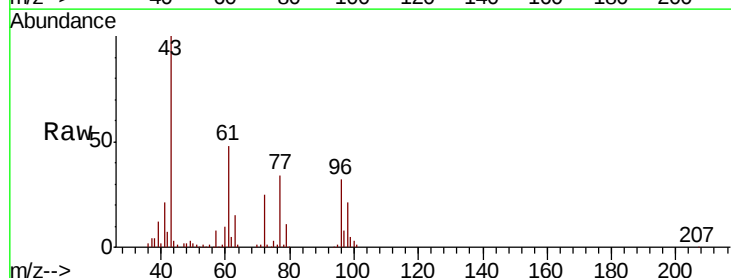
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

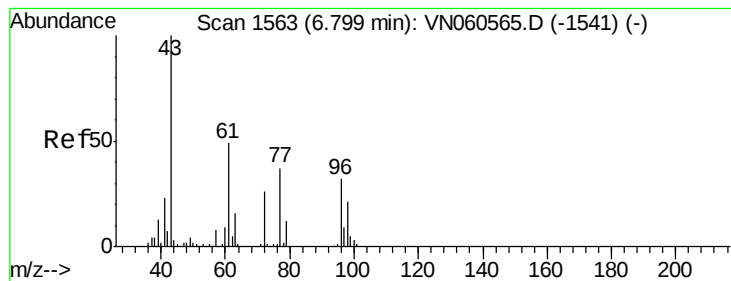
Tot Ion: 43 Resp: 398715
Ion Ratio Lower Upper
43 100
72 25.8 20.4 30.6



#26
2,2-Dichloropropane
Concen: 43.079 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 77 Resp: 148670
Ion Ratio Lower Upper
77 100
97 23.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.300 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

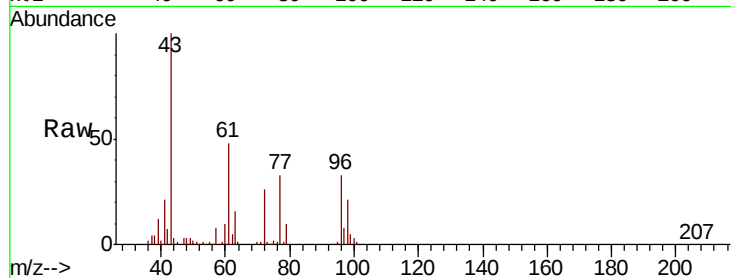
Tot Ion: 96 Resp: 131914

Ion Ratio Lower Upper

96 100

61 151.3 0.0 305.6

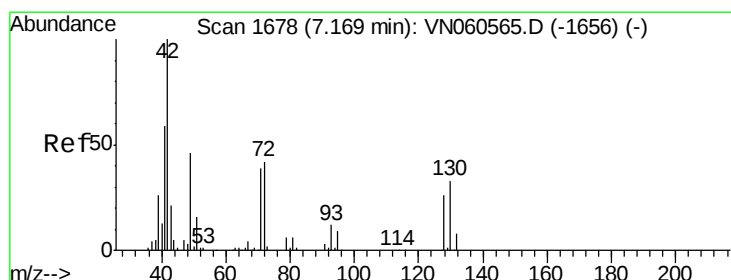
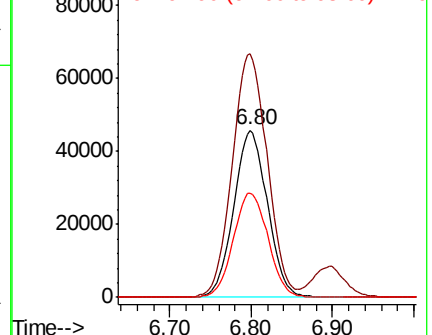
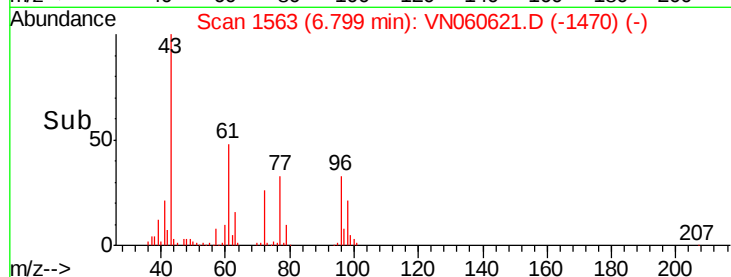
98 64.1 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 53.964 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

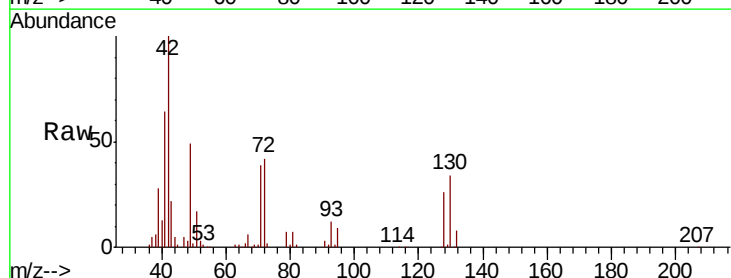
Tgt Ion: 49 Resp: 113248

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.4

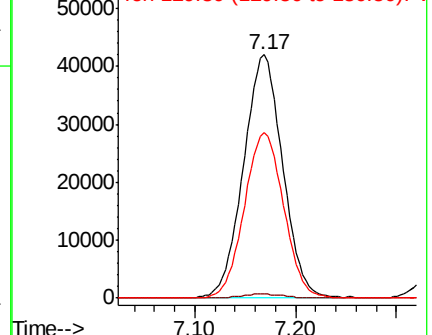
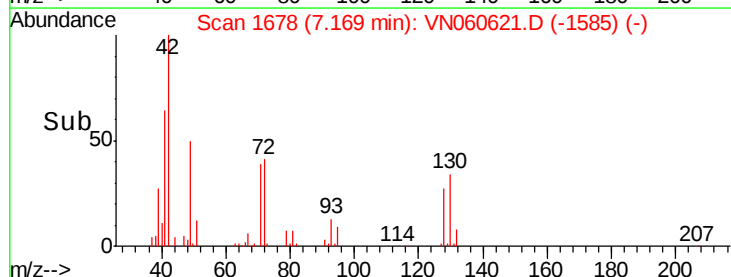
130 68.3 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

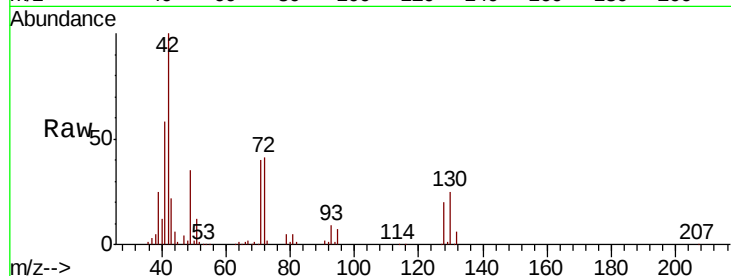




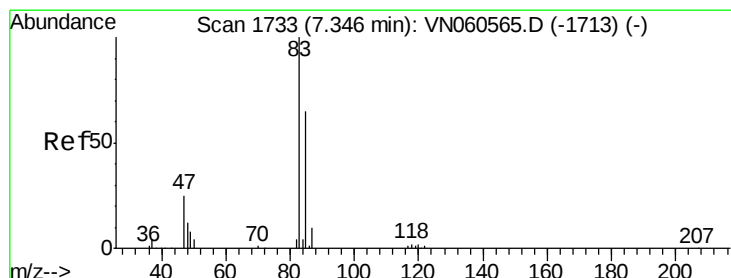
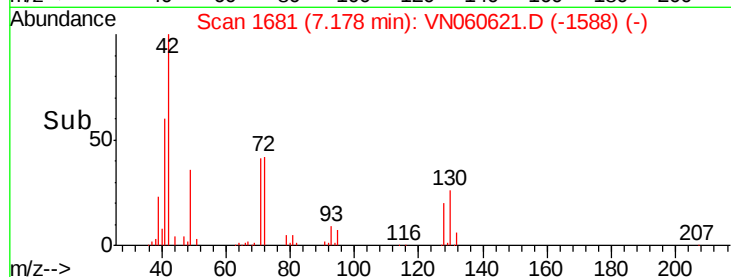
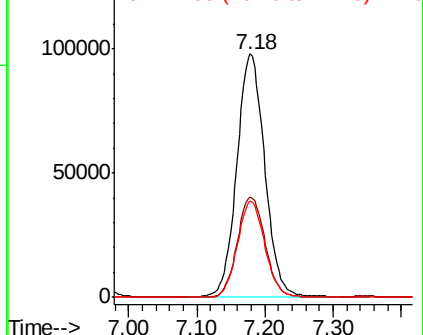
#29
Tetrahydrofuran
Concen: 251.079 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.2	49.8
71	38.5	31.1	46.7

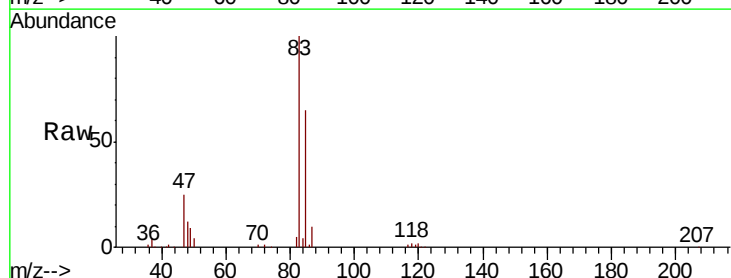


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

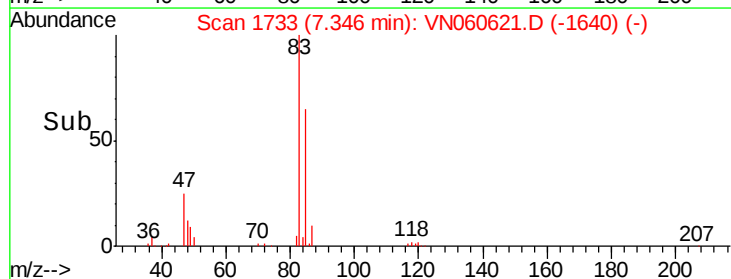
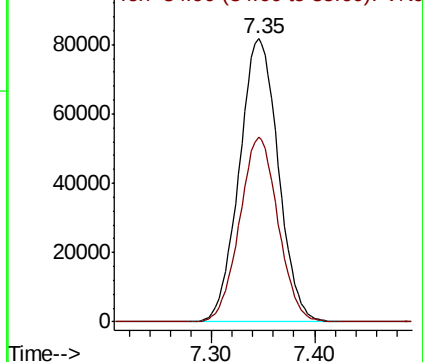


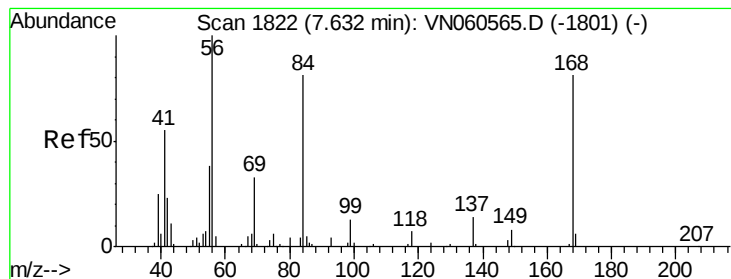
#30
Chloroform
Concen: 51.060 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8



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





#31

Cyclohexane

Concen: 47.423 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

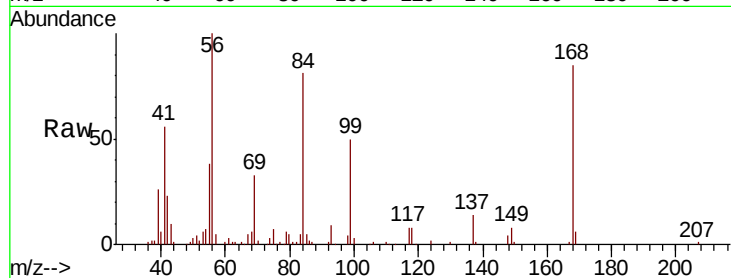
Tot Ion: 56 Resp: 209706

Ion Ratio Lower Upper

56 100

69 32.5 26.6 40.0

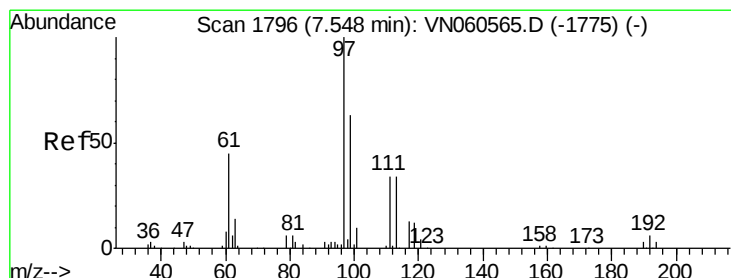
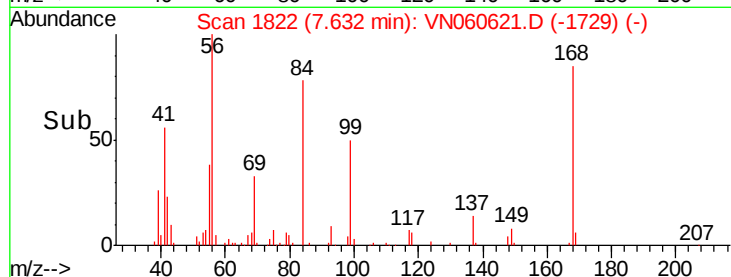
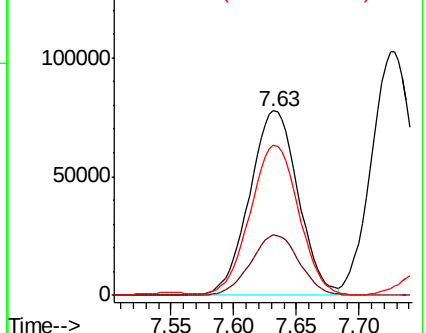
84 80.6 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060621.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060621.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060621.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 51.402 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

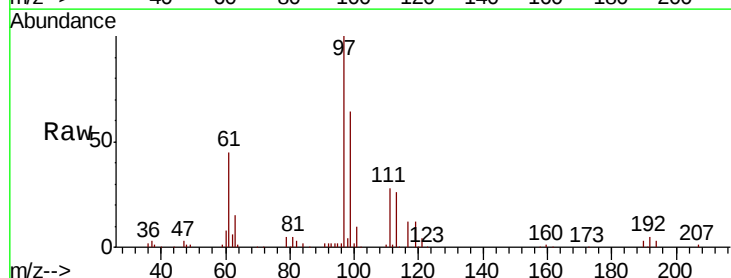
Tgt Ion: 97 Resp: 186330

Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

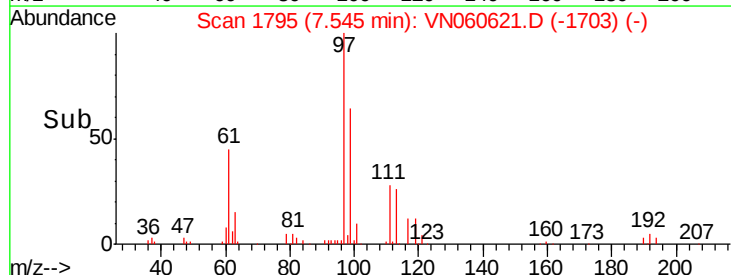
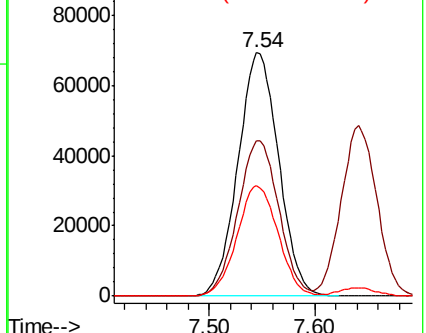
61 45.8 36.2 54.4

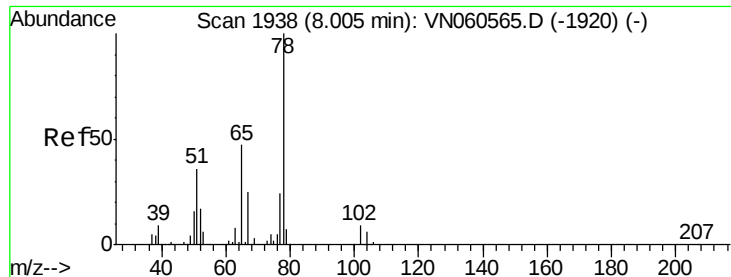


Abundance Ion 96.90 (96.60 to 97.60): VN060621.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060621.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060621.D (-1703) (-)

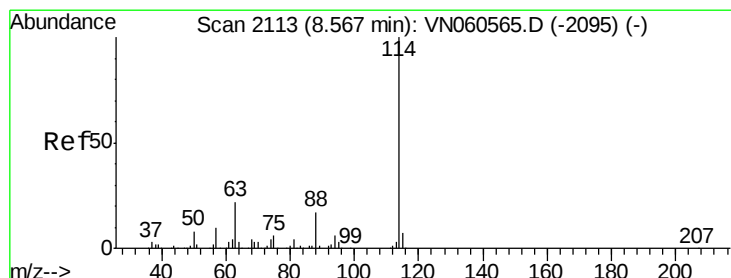
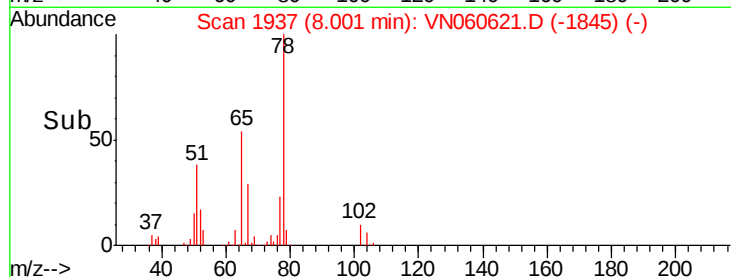
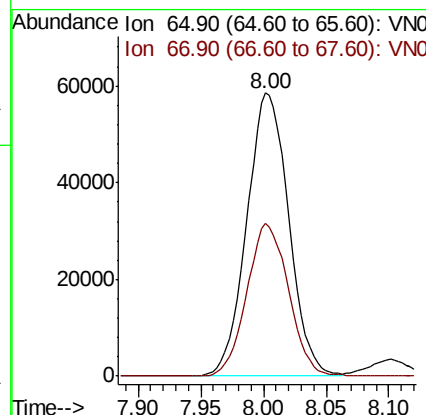
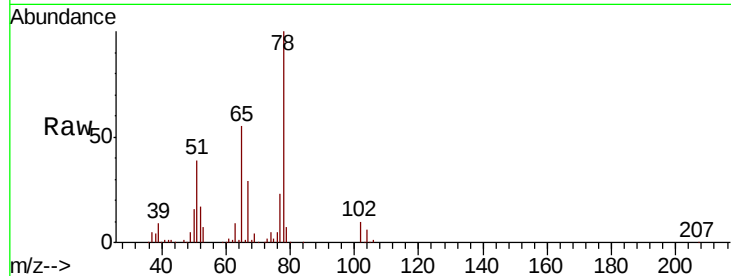




#33
 1,2-Dichloroethane-d4
 Concen: 49.573 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

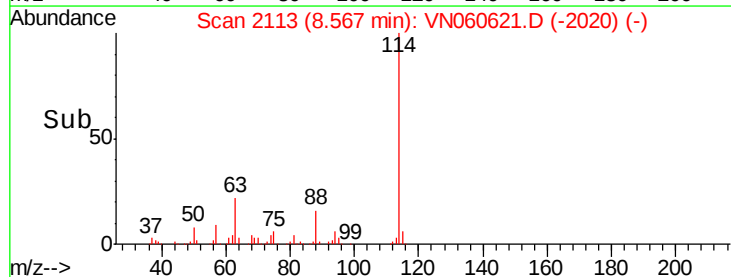
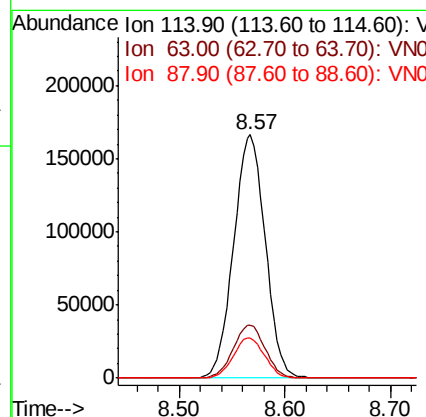
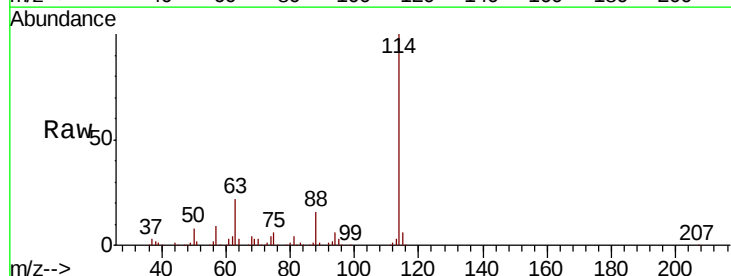
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

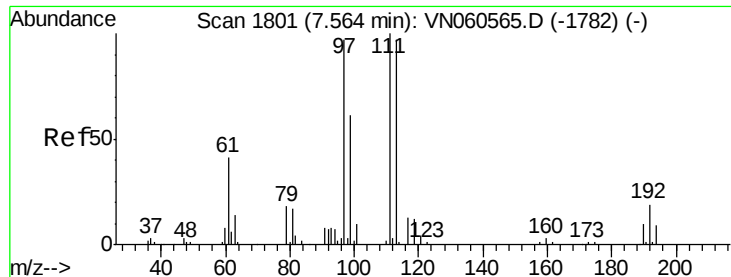
Tot Ion: 65 Resp: 136106
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

Tgt Ion: 114 Resp: 345684
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.3 0.0 33.0

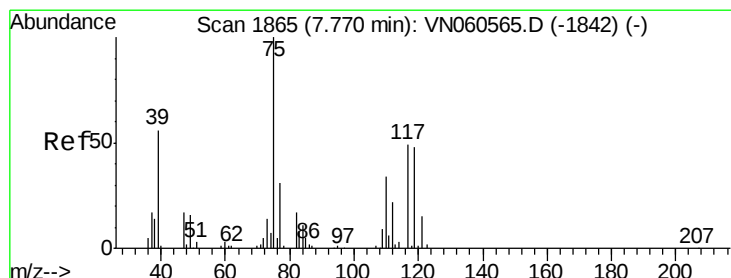
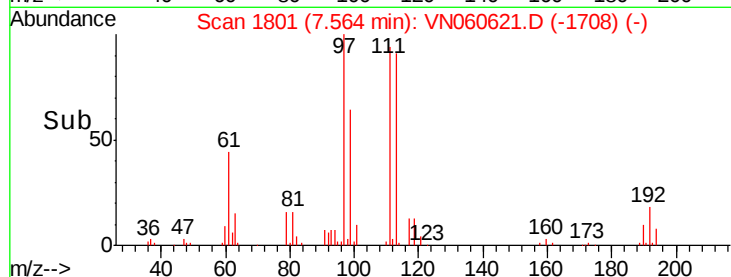
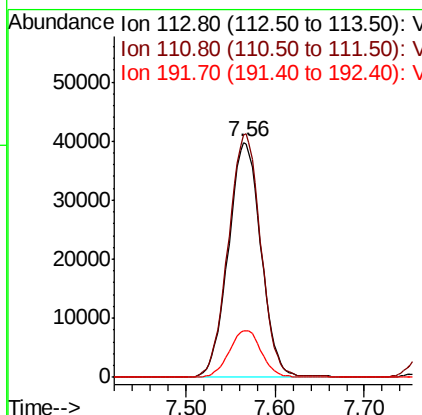
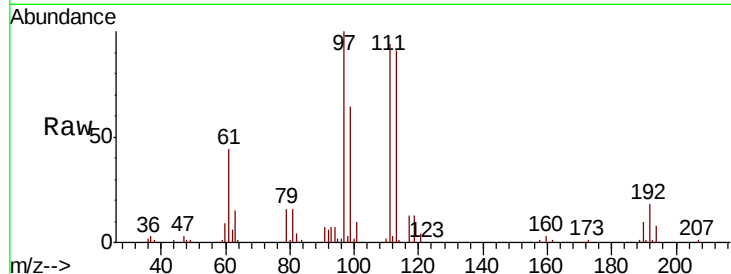




#35
 Dibromofluoromethane
 Concen: 48.413 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

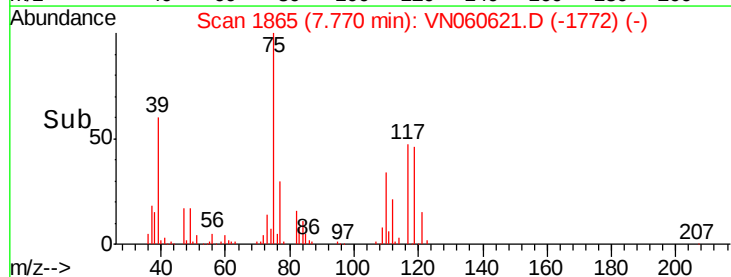
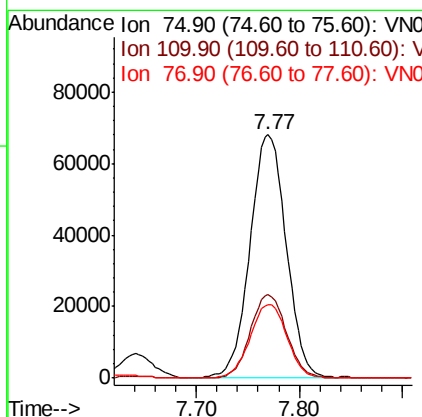
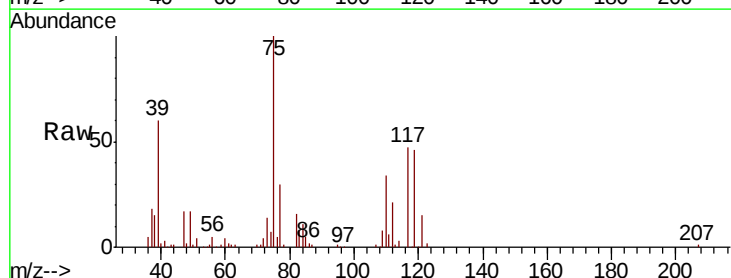
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

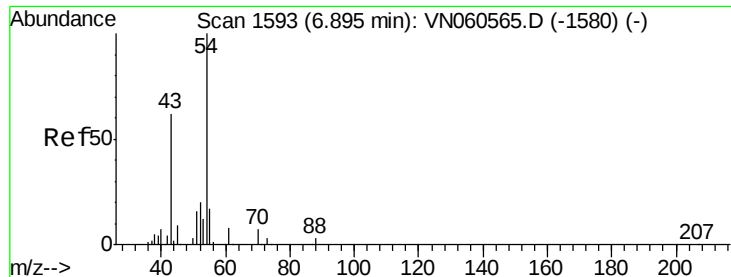
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	19.5	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 49.680 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.6
77	30.9	24.6	36.8

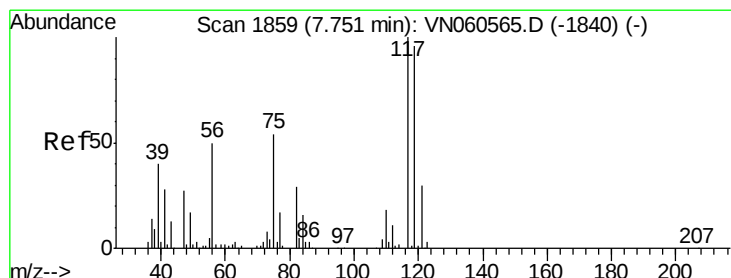
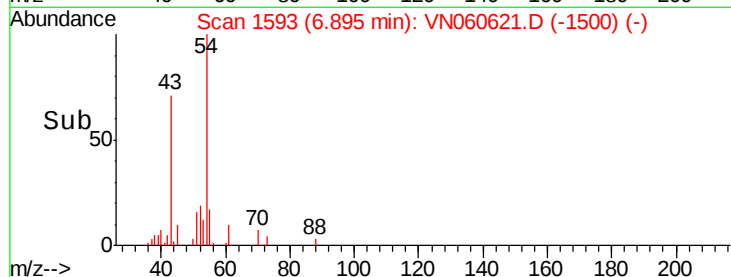
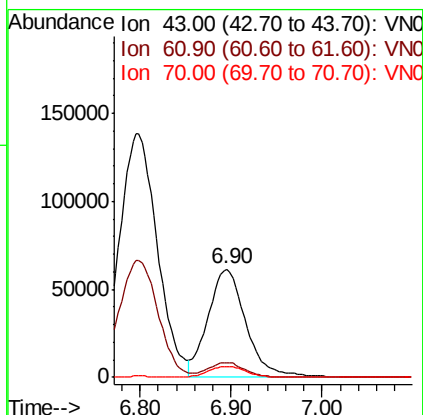
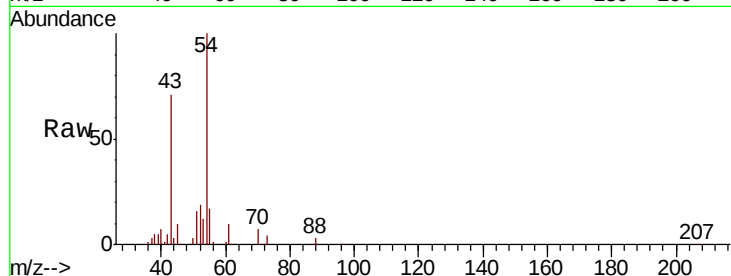




#37
Ethyl Acetate
Concen: 48.463 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

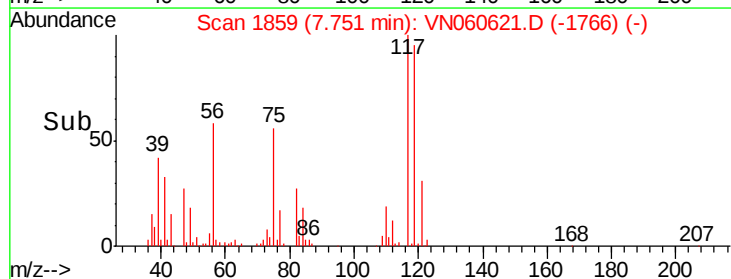
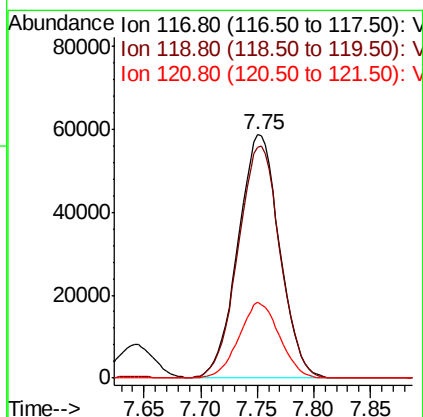
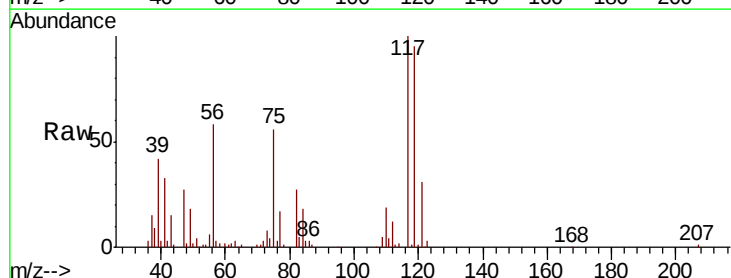
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

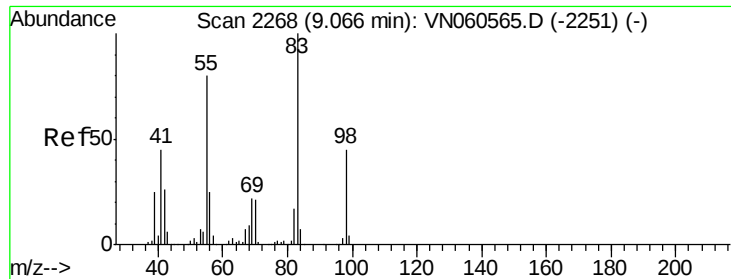
Tot Ion: 43 Resp: 175280
Ion Ratio Lower Upper
43 100
61 13.4 10.6 15.8
70 10.2 7.9 11.9



#38
Carbon Tetrachloride
Concen: 50.020 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 117 Resp: 150061
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.2
121 31.1 23.7 35.5

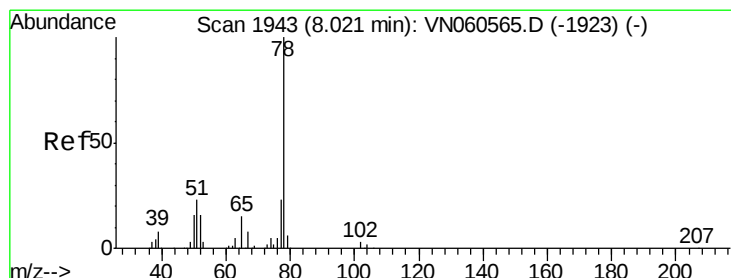
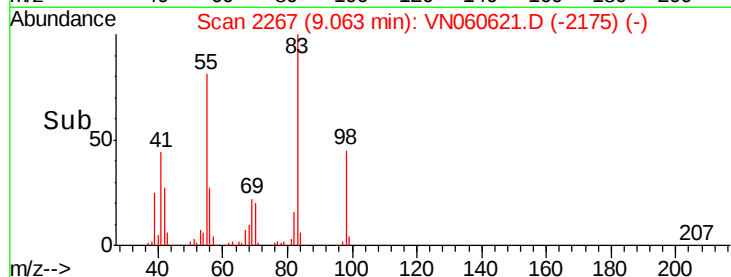
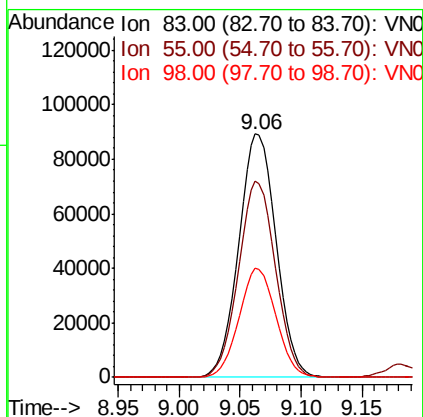
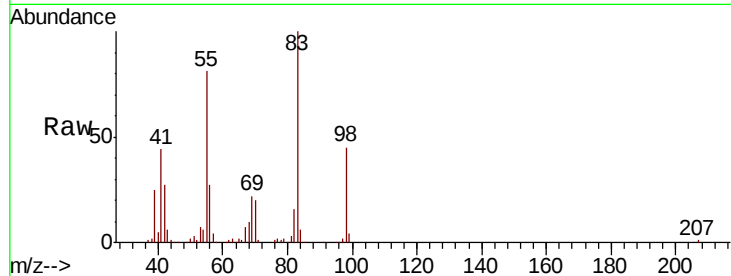




#39
Methvlcvclohexane
Concen: 47.455 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

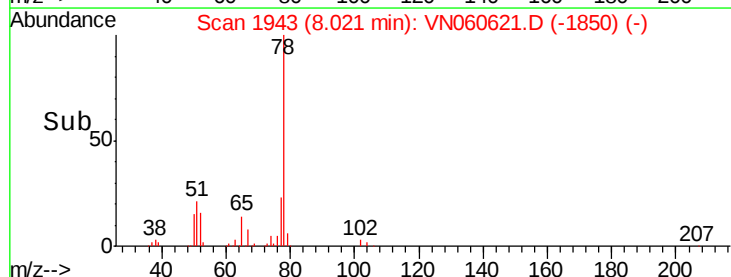
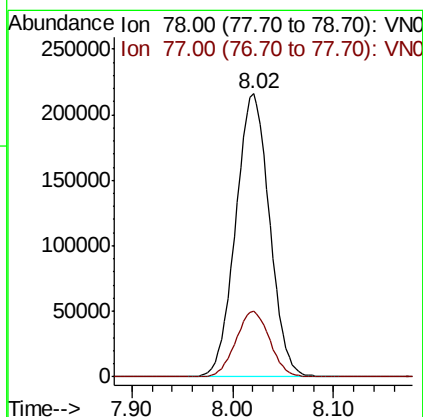
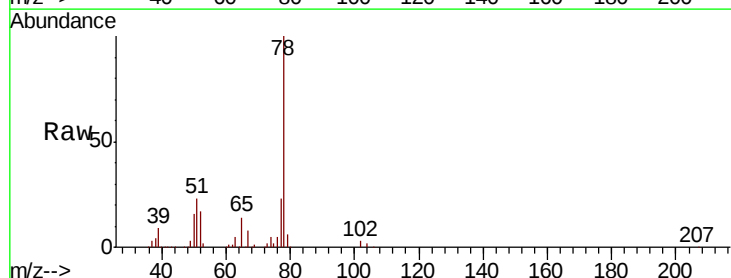
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

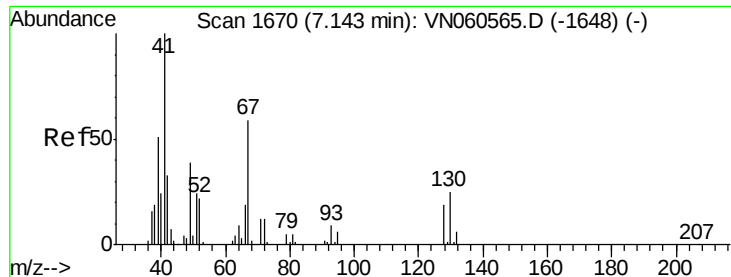
Tot Ion: 83 Resp: 188769
Ion Ratio Lower Upper
83 100
55 80.6 63.6 95.4
98 44.7 36.0 54.0



#40
Benzene
Concen: 49.735 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 78 Resp: 502559
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0

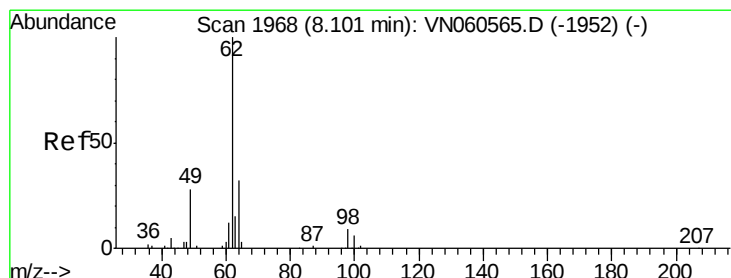
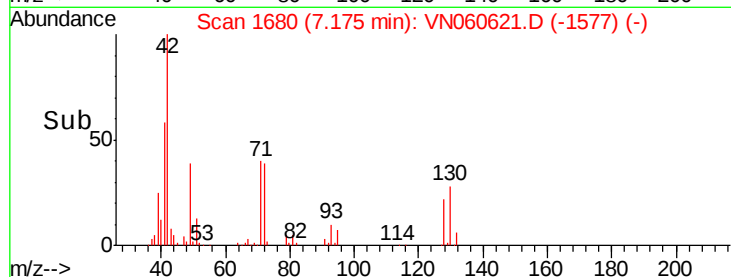
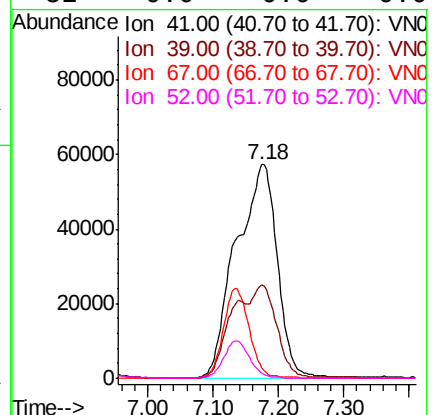
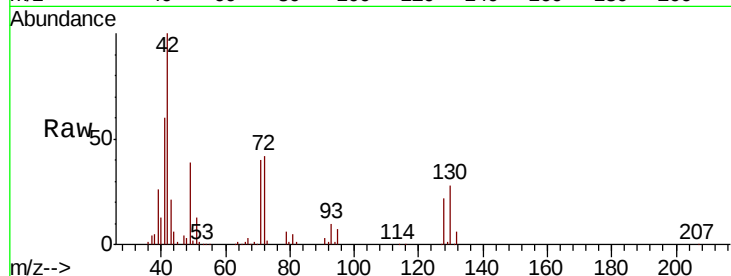




#41
Methacrylonitrile
Concen: 162.726 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

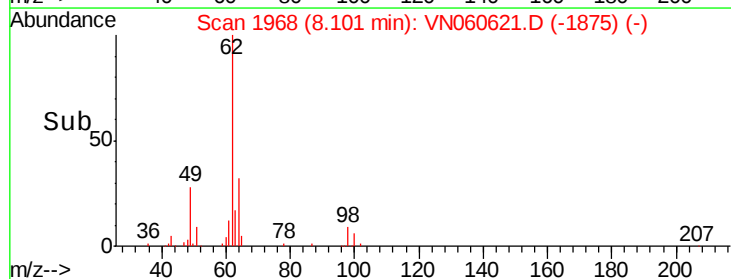
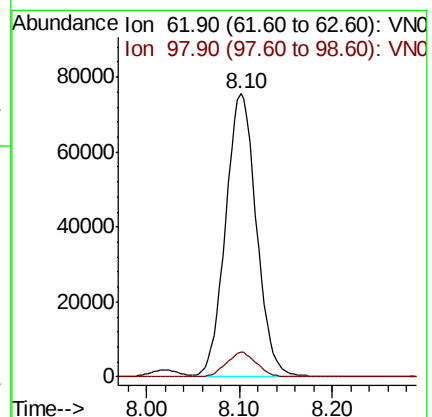
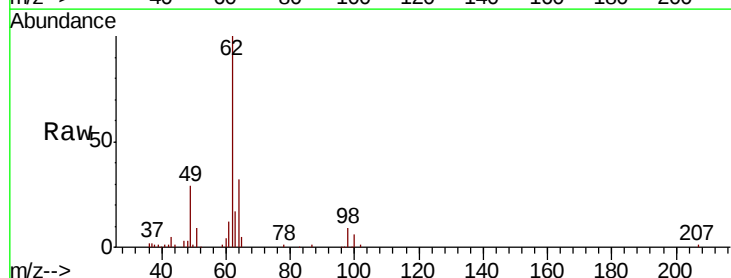
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

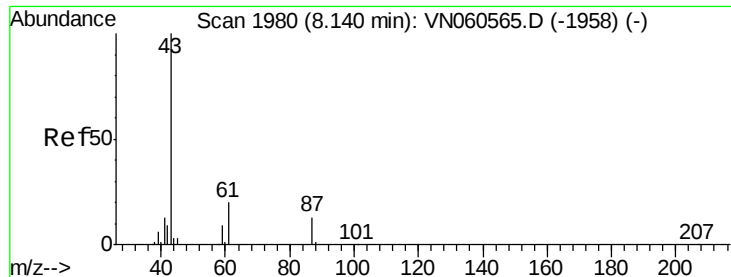
Tot Ion:	41	Resp:	251177
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.552 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion:	62	Resp:	174571
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.8

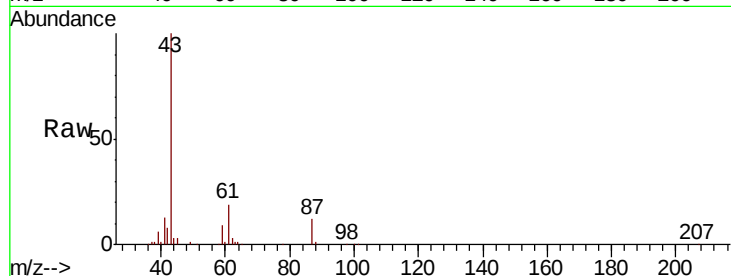




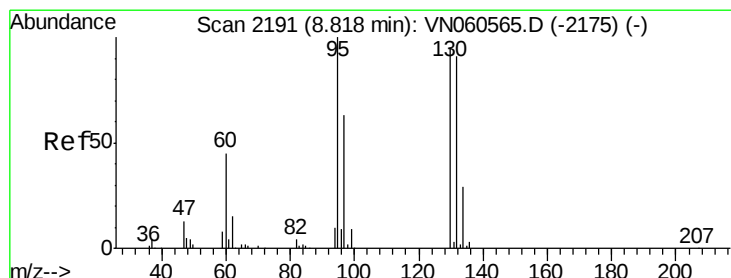
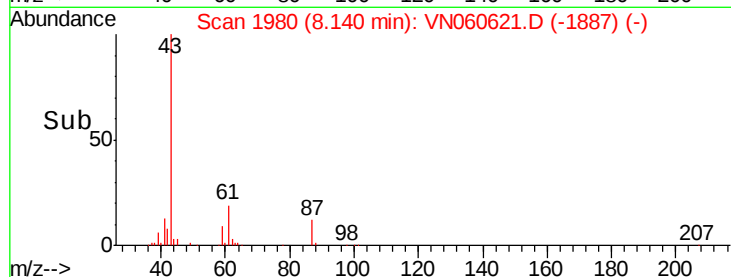
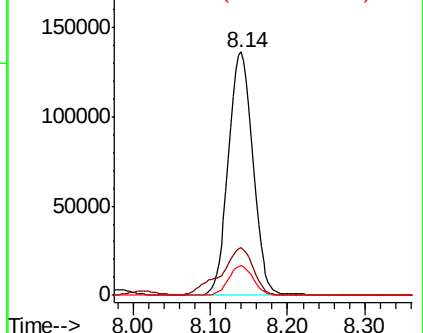
#43
Isopropyl Acetate
Concen: 50.252 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 299748
Ion Ratio Lower Upper
43 100
61 25.7 20.7 31.1
87 12.1 9.8 14.8

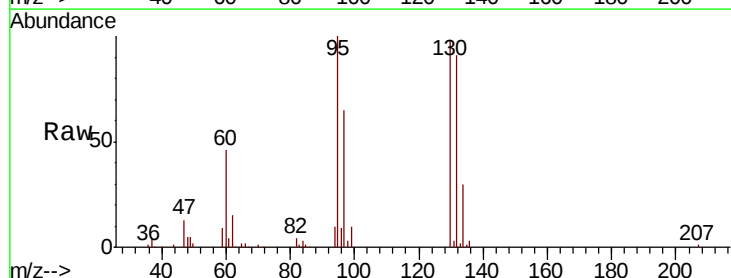


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

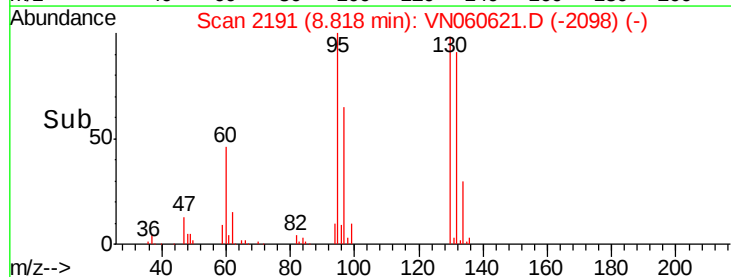
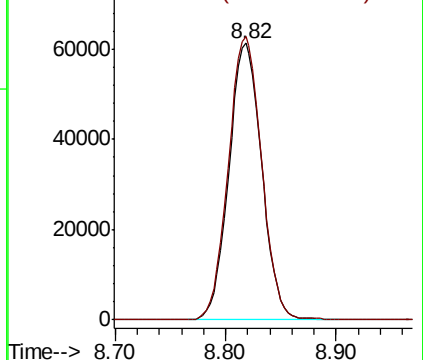


#44
Trichloroethene
Concen: 49.633 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 130 Resp: 126429
Ion Ratio Lower Upper
130 100
95 102.4 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 51.306 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

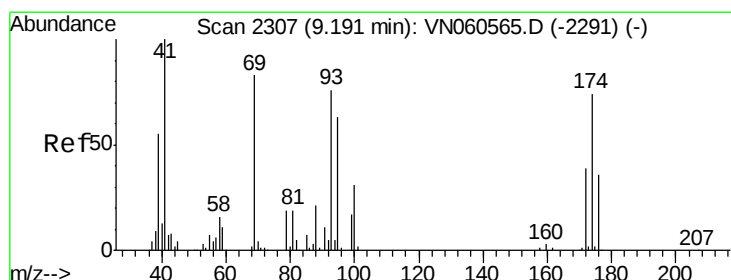
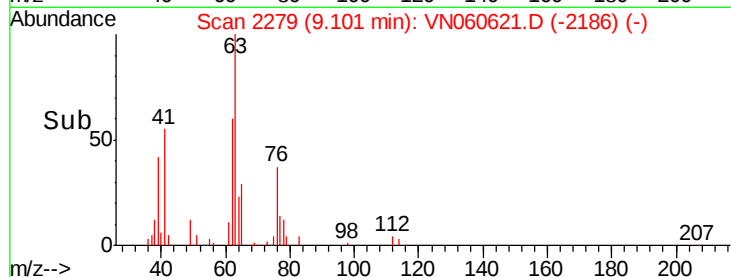
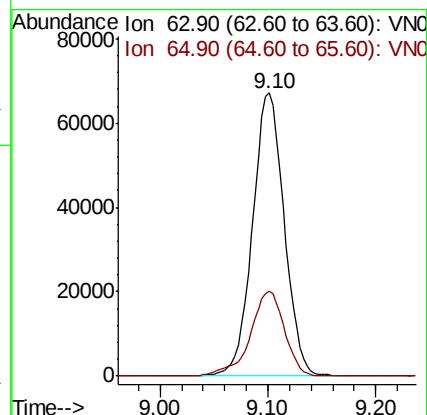
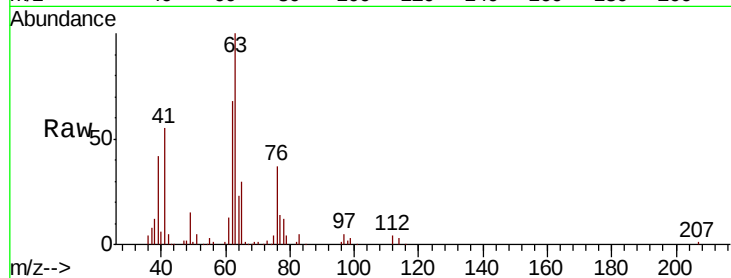
VSTDCCC050EC

Tot Ion: 63 Resp: 136797

Ion Ratio Lower Upper

63 100

65 29.8 25.4 38.0



#46

Dibromomethane

Concen: 50.494 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

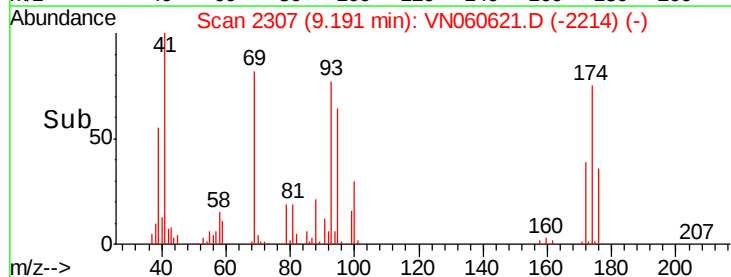
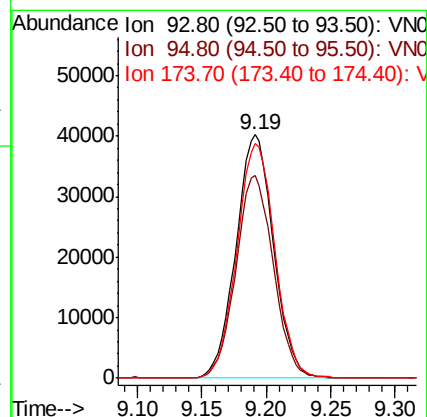
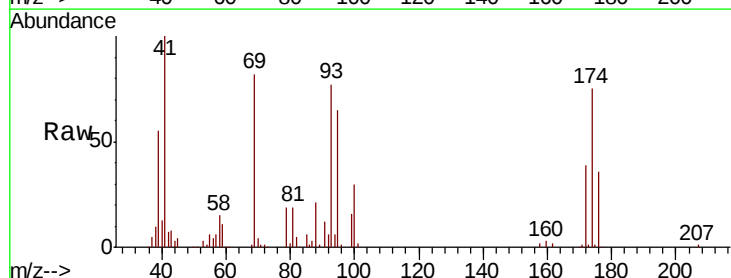
Tgt Ion: 93 Resp: 81393

Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 97.5 77.9 116.9





#47

Bromodichloromethane

Concen: 50.935 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

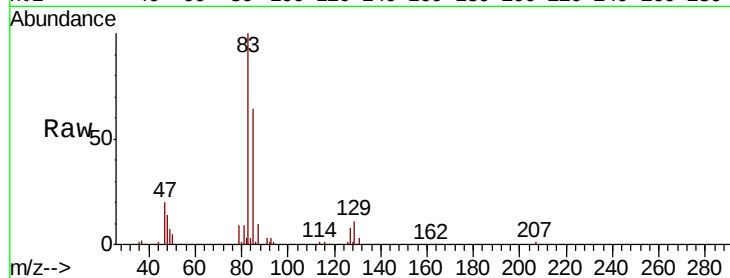
Tot Ion: 83 Resp: 170611

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.6

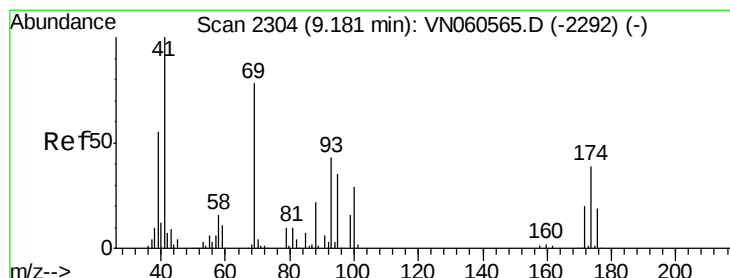
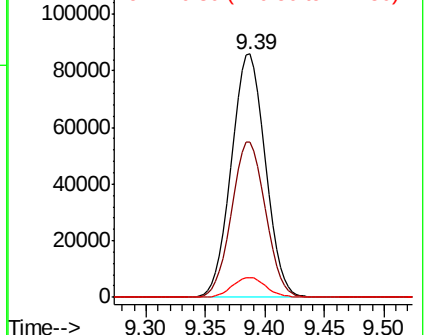
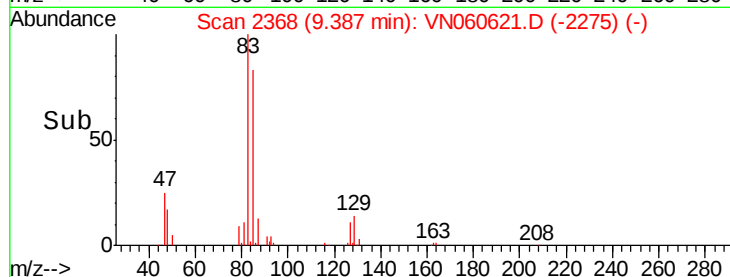
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060621.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060621.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060621.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.731 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

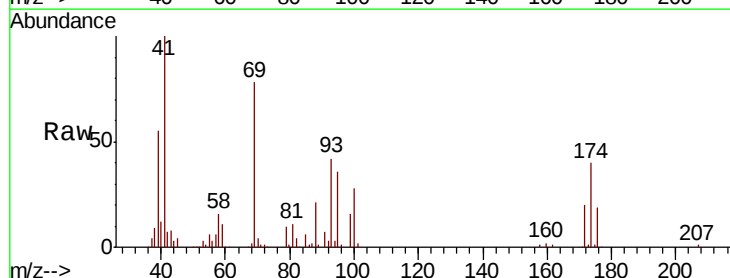
Tgt Ion: 41 Resp: 132072

Ion Ratio Lower Upper

41 100

69 82.4 65.4 98.0

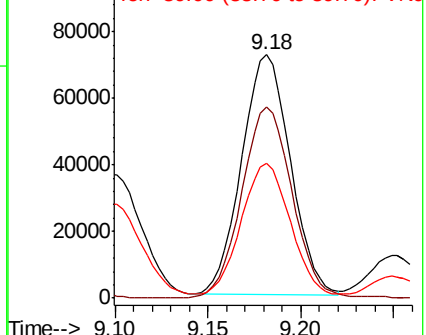
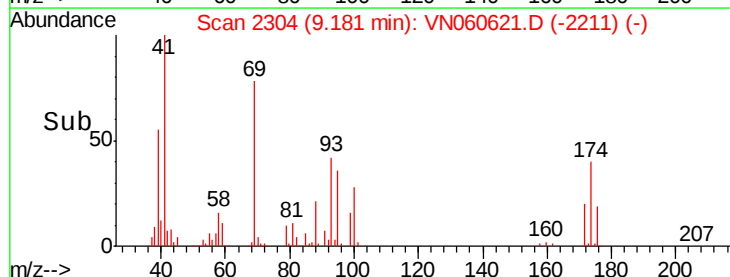
39 57.6 44.0 66.0

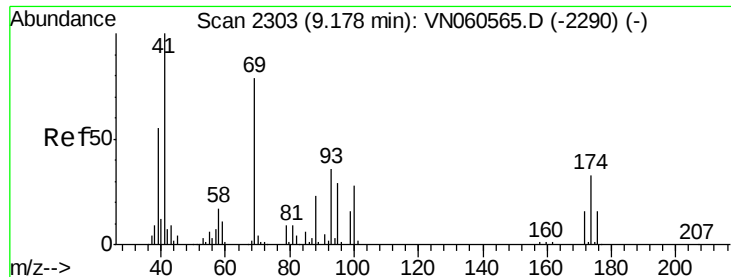


Abundance Ion 41.00 (40.70 to 41.70): VN060621.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060621.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060621.D (-2211) (-)

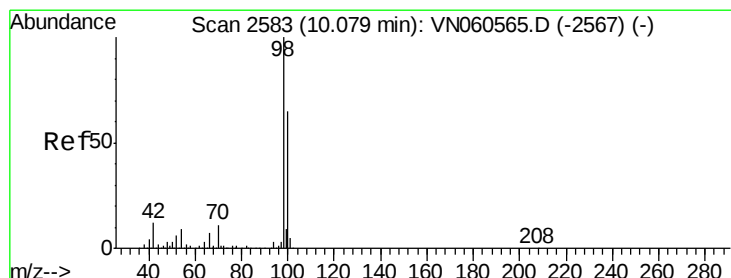
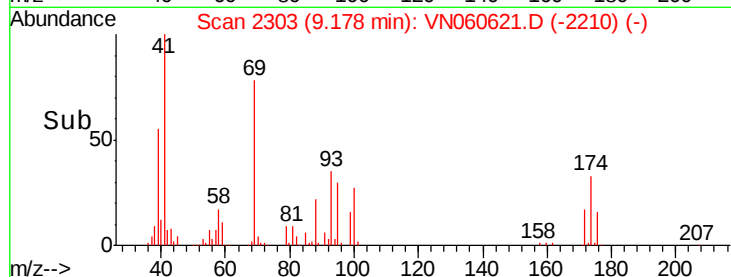
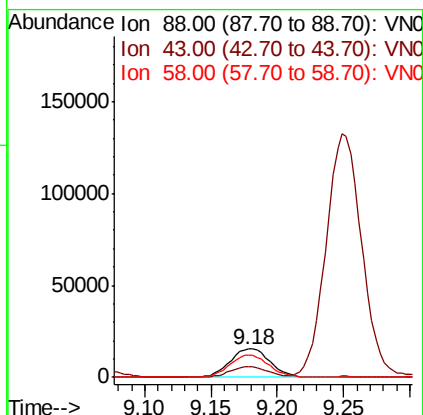
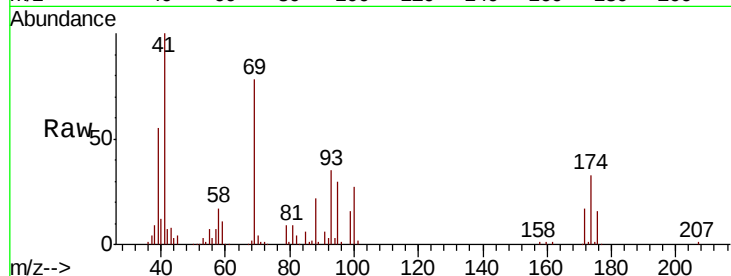




#49
1,4-Dioxane
Concen: 1037.879 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

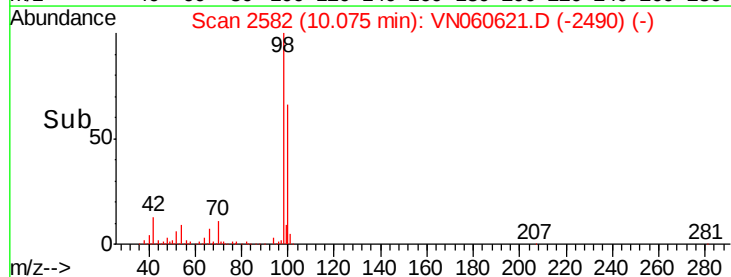
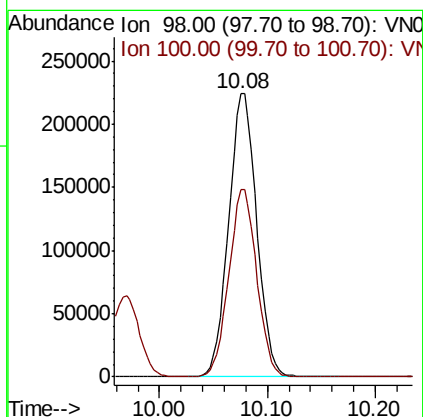
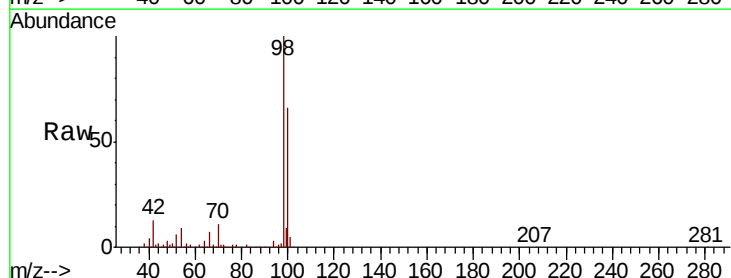
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

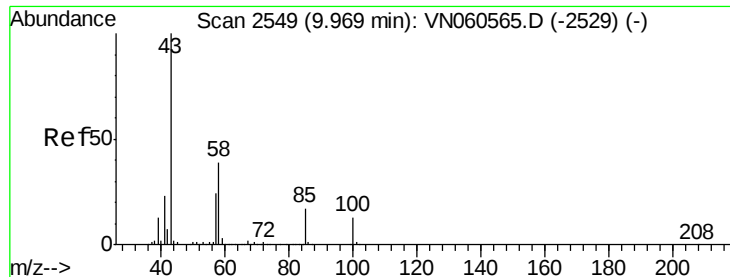
Tot Ion: 88 Resp: 32762
Ion Ratio Lower Upper
88 100
43 37.1 30.8 46.2
58 76.7 59.8 89.8



#50
Toluene-d8
Concen: 47.572 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 98 Resp: 406163
Ion Ratio Lower Upper
98 100
100 65.9 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 254.401 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

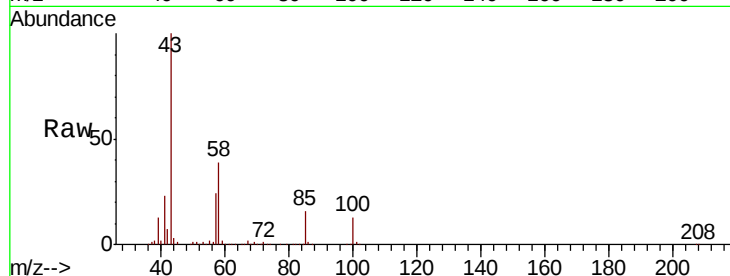
VSTDCCC050EC

Tot Ion: 43 Resp: 863501

Ion Ratio Lower Upper

43 100

58 38.5 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

500000

400000

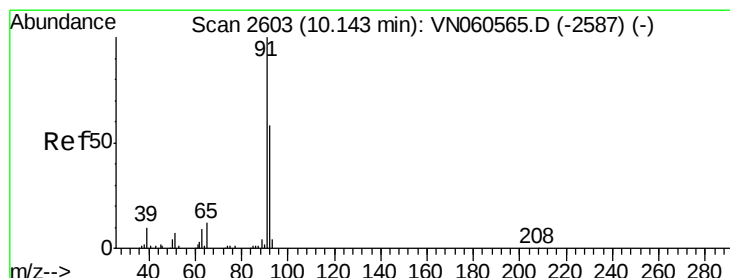
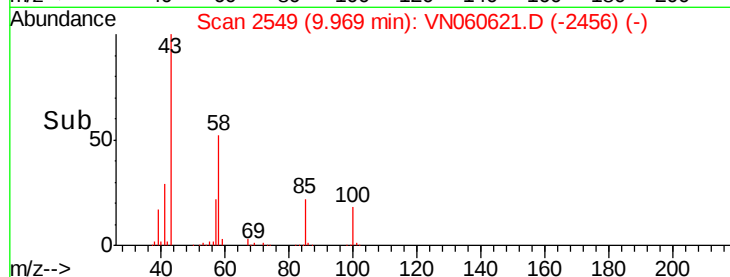
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.757 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060621.D

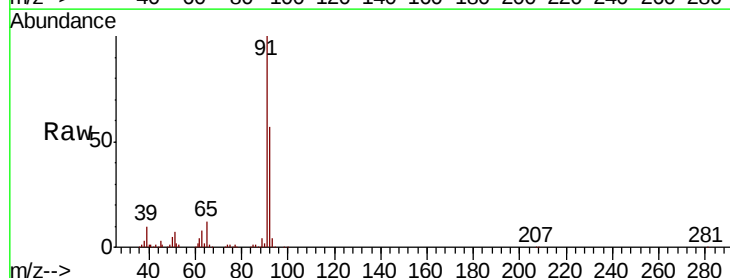
Acq: 19 Mar 2020 3:22

Tgt Ion: 92 Resp: 303645

Ion Ratio Lower Upper

92 100

91 173.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

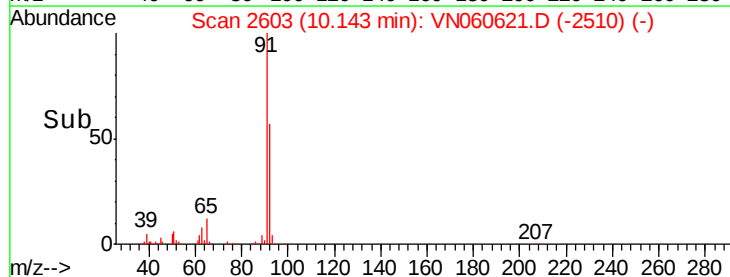
300000

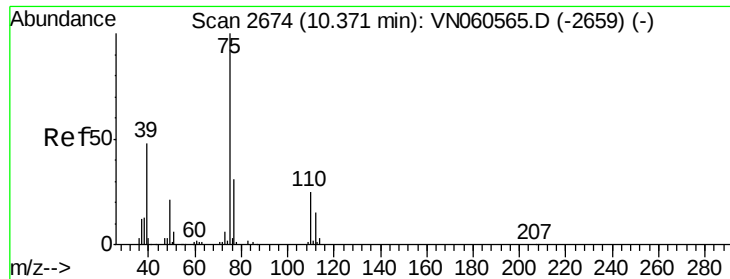
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.924 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

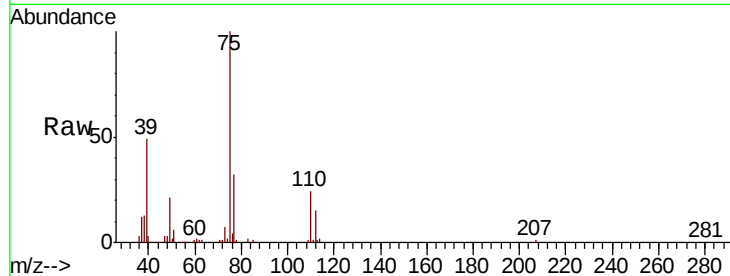
VSTDCCC050EC

Tot Ion: 75 Resp: 192089

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN060621.D (-2581) (-)

Ion 76.90 (76.60 to 77.60): VN060621.D (-2581) (-)

10.37

120000

100000

80000

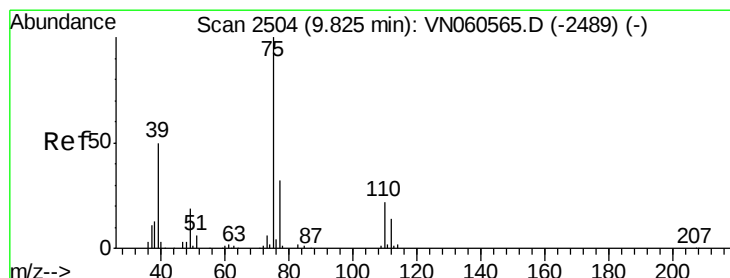
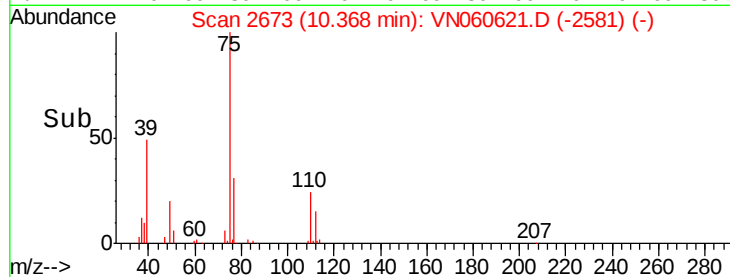
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.356 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

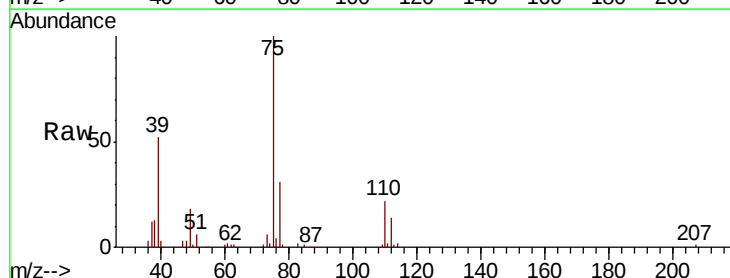
Tgt Ion: 75 Resp: 208334

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 52.2 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VN060621.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060621.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060621.D (-2411) (-)

9.82

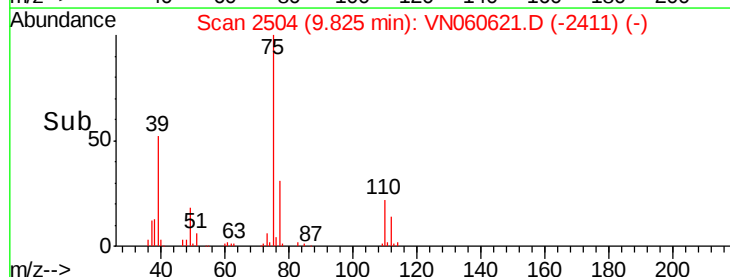
150000

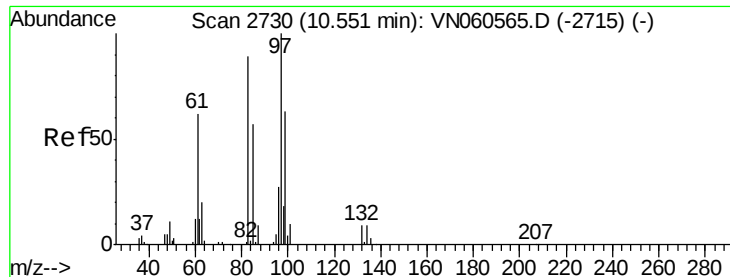
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.969 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

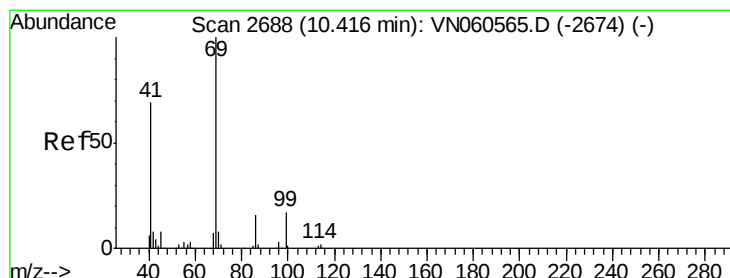
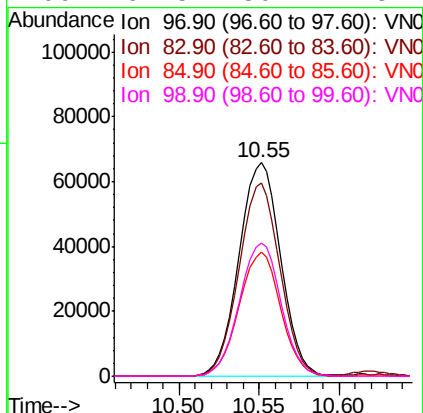
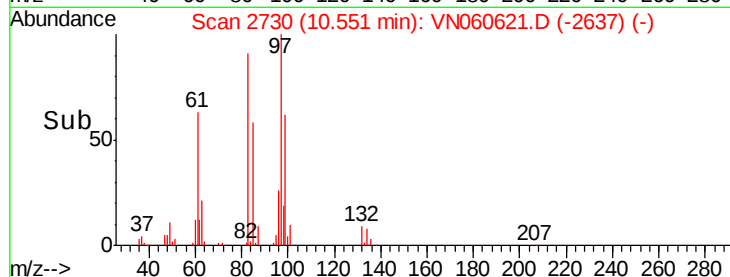
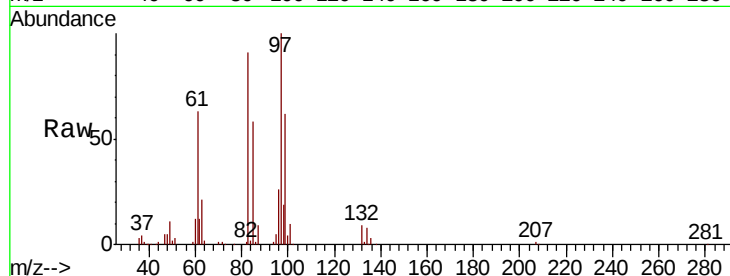
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 117313

Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.3	106.9
85	57.9	45.2	67.8
99	62.5	50.1	75.1



#56

Ethyl methacrylate

Concen: 51.603 ug/l

RT: 10.42 min Scan# 2688

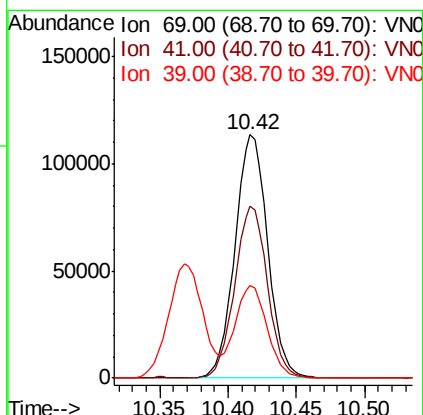
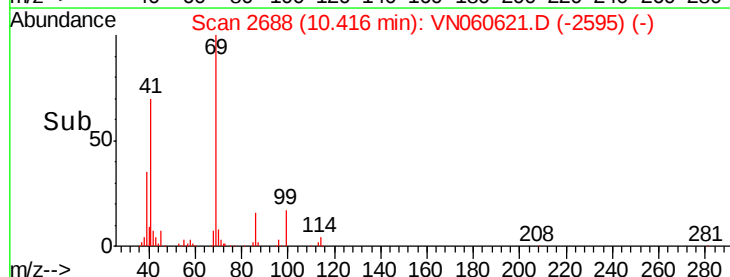
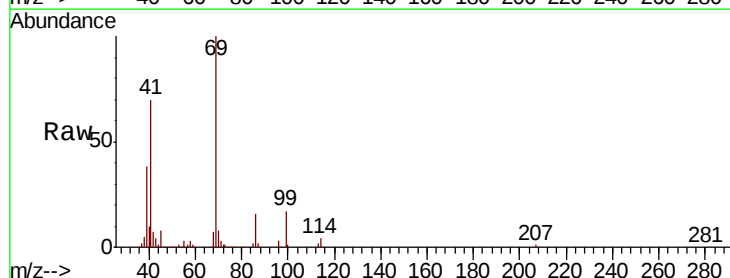
Delta R.T. -0.00 min

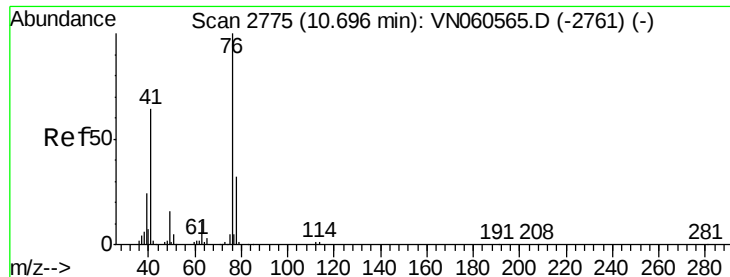
Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Tgt Ion: 69 Resp: 188899

Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.4	83.2
39	37.7	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.758 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

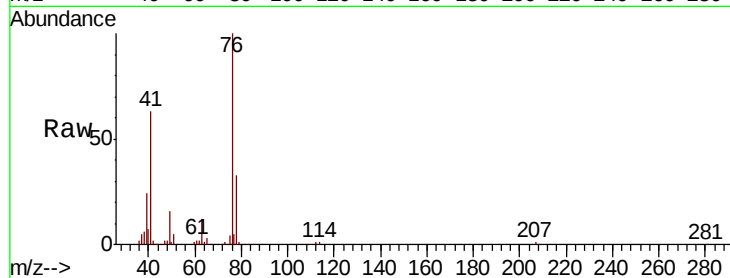
VSTDCCC050EC

Tot Ion: 76 Resp: 206788

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060621.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060621.D (-2682) (-)

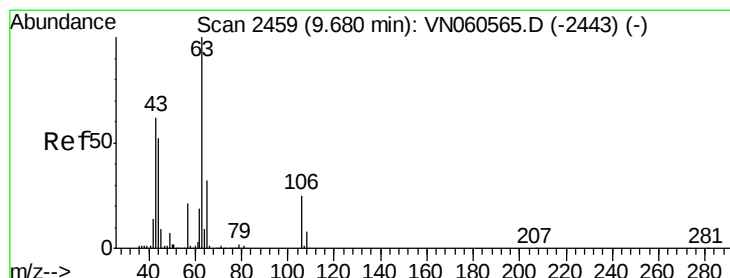
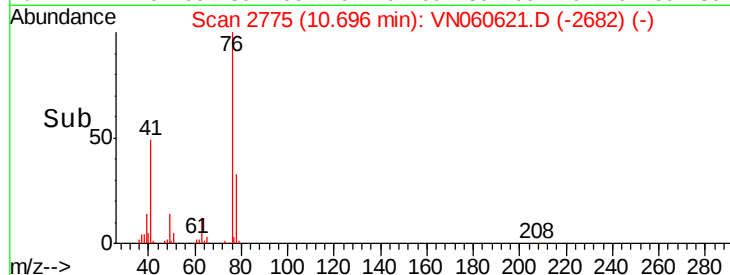
10.70

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 253.271 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060621.D

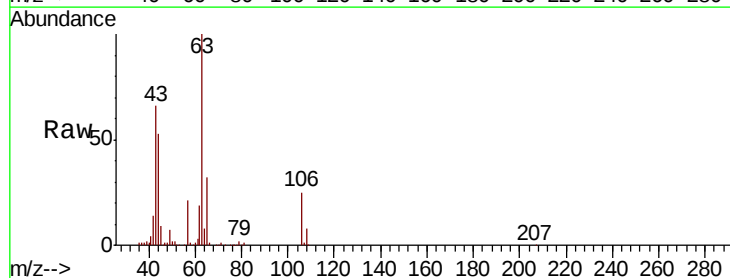
Acq: 19 Mar 2020 3:22

Tgt Ion: 63 Resp: 460797

Ion Ratio Lower Upper

63 100

106 24.7 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060621.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060621.D (-2366) (-)

9.68

300000

250000

200000

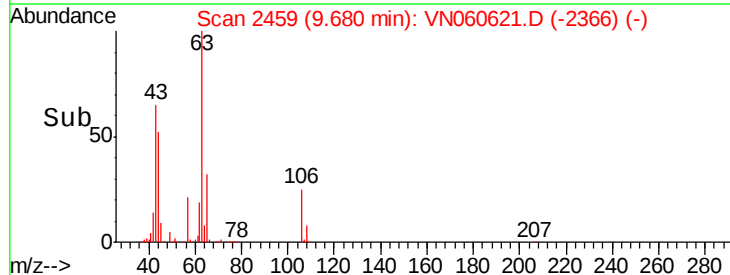
150000

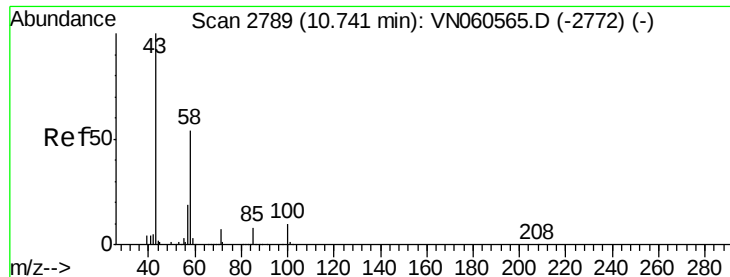
100000

50000

0

Time-->

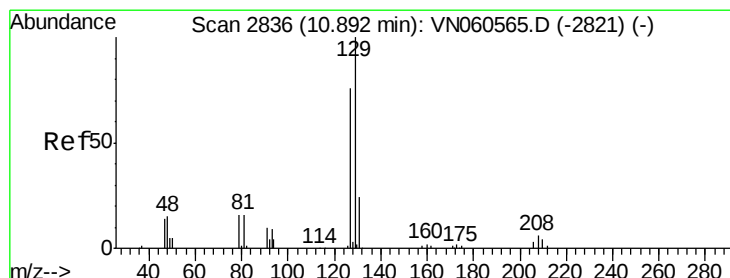
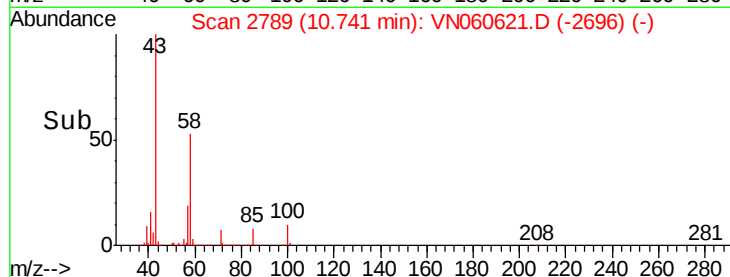
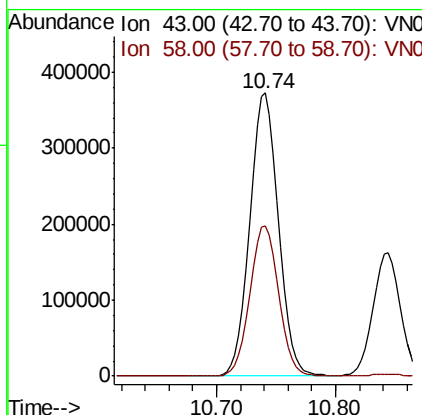
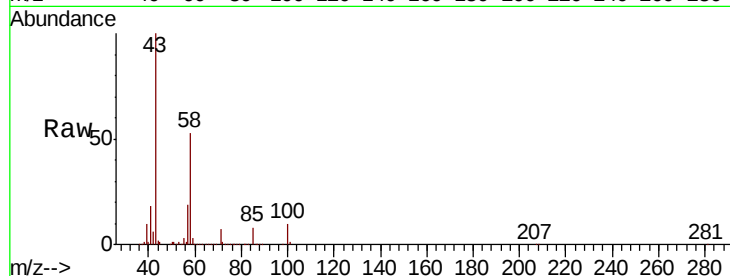




#59
2-Hexanone
Concen: 253.935 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

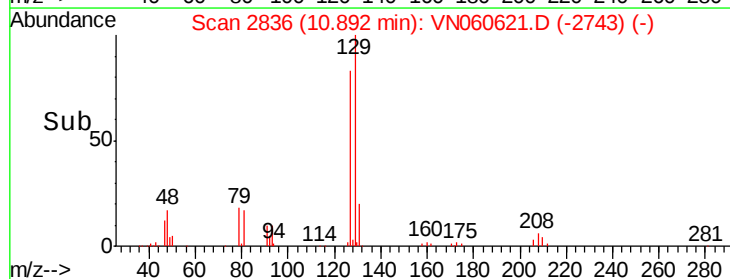
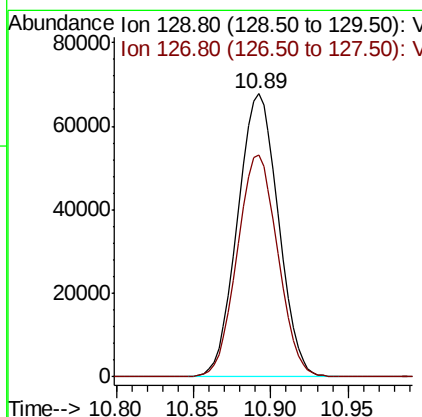
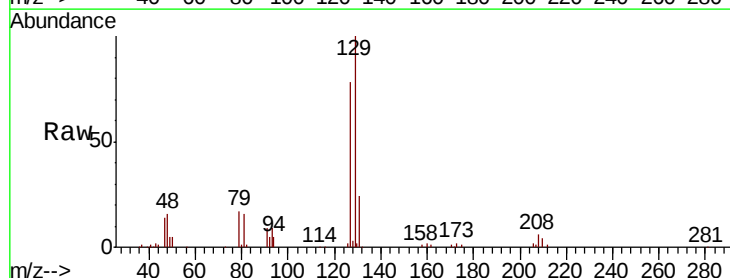
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

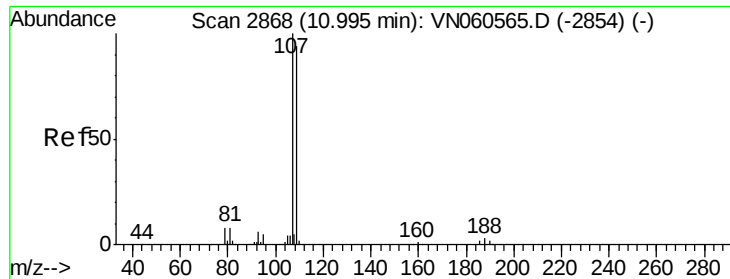
Tot Ion: 43 Resp: 620887
Ion Ratio Lower Upper
43 100
58 53.5 26.7 80.1



#60
Dibromochloromethane
Concen: 51.260 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 129 Resp: 124310
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5

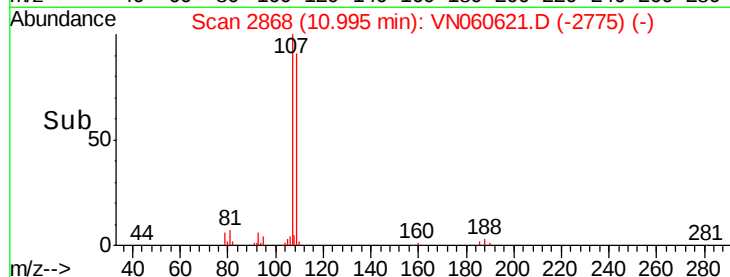
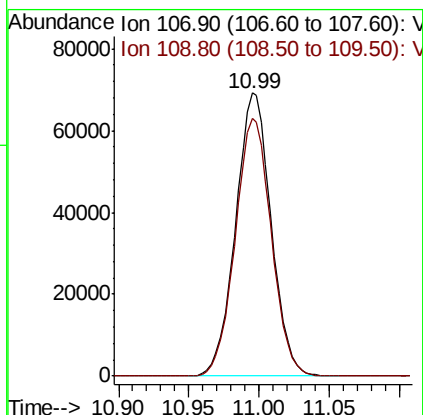
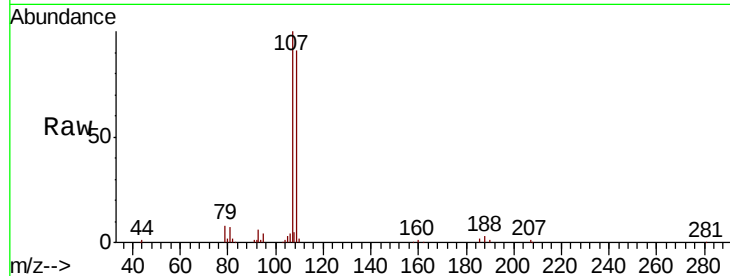




#61
 1,2-Dibromoethane
 Concen: 51.661 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

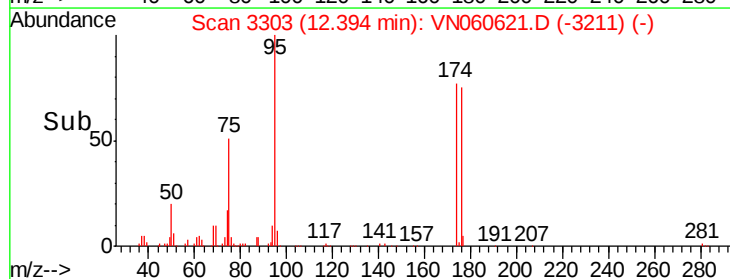
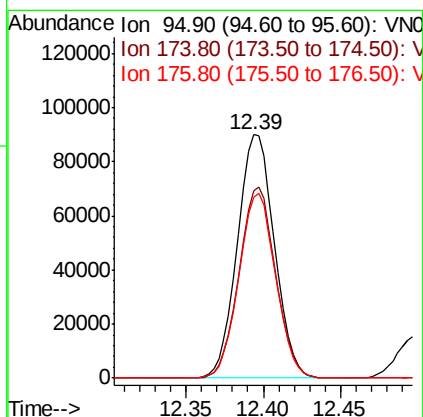
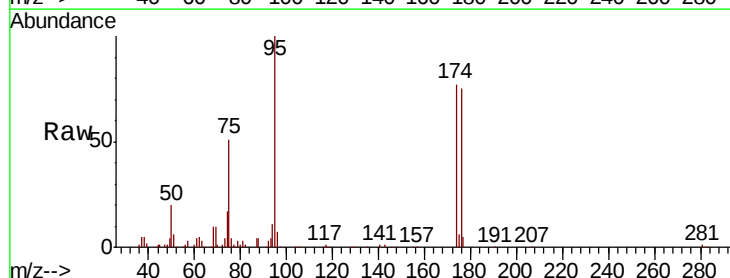
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 121959
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 47.811 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

Tgt Ion: 95 Resp: 149601
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 157.6
 176 75.1 0.0 150.6

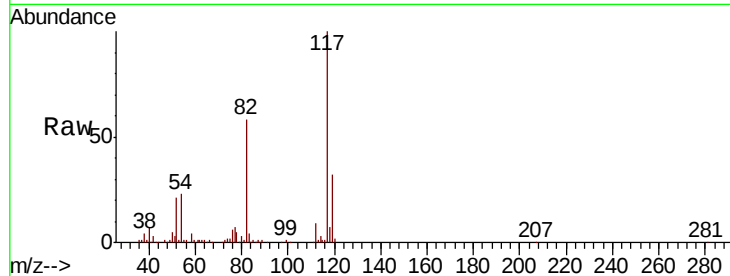




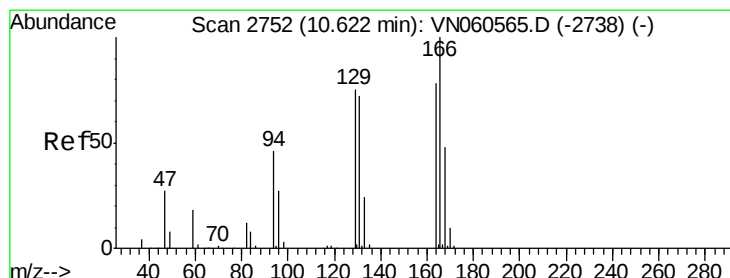
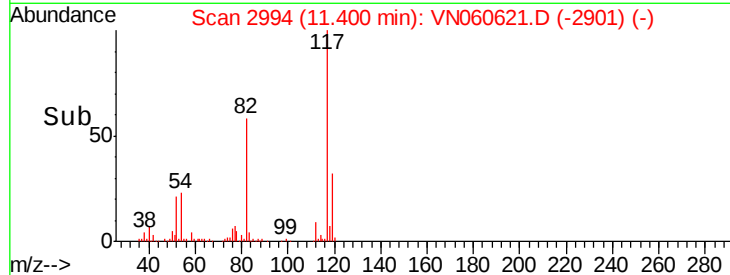
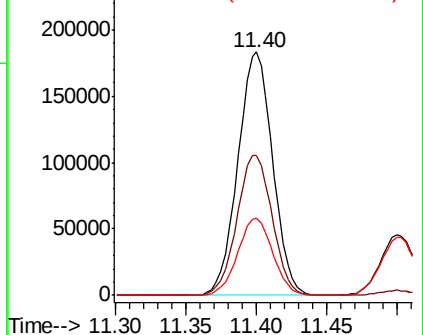
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 317140
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 31.8 25.5 38.3

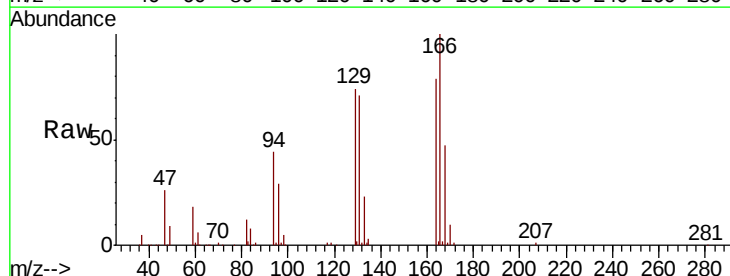


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

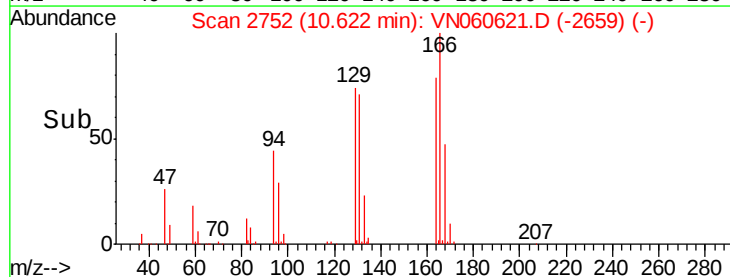
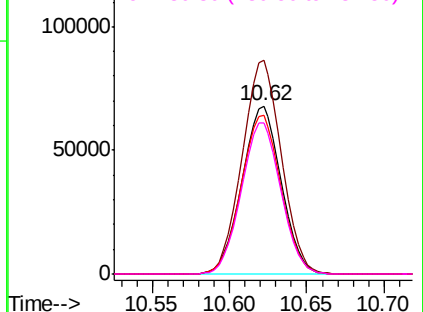


#64
Tetrachloroethene
Concen: 48.057 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion:164 Resp: 119931
Ion Ratio Lower Upper
164 100
166 127.3 102.7 154.1
129 94.6 77.2 115.8
131 90.0 73.8 110.6



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

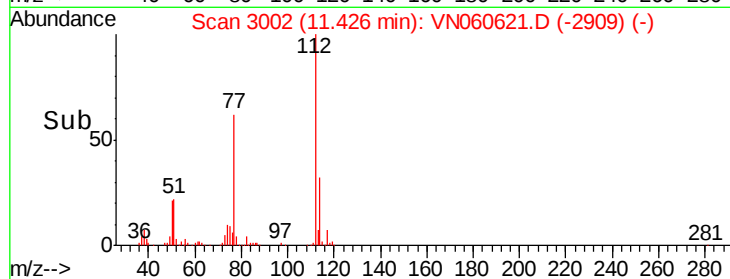
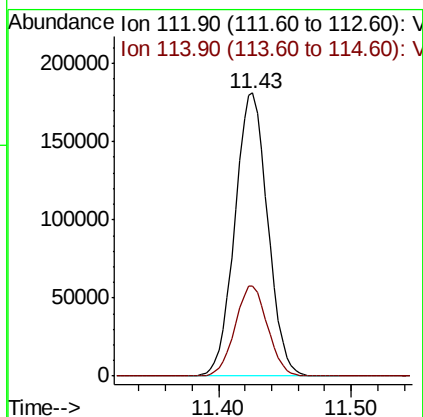
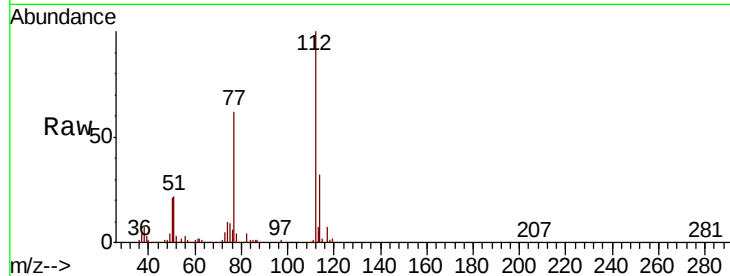




#65
Chlorobenzene
Concen: 49.489 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

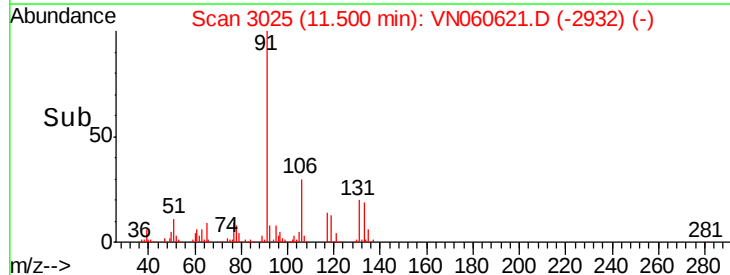
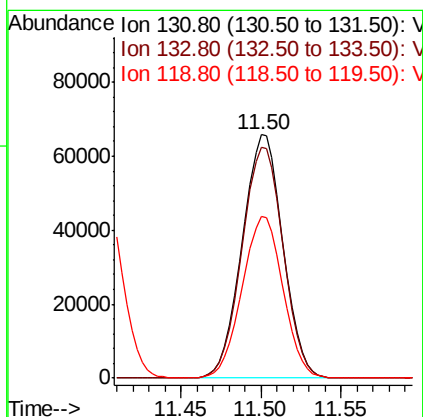
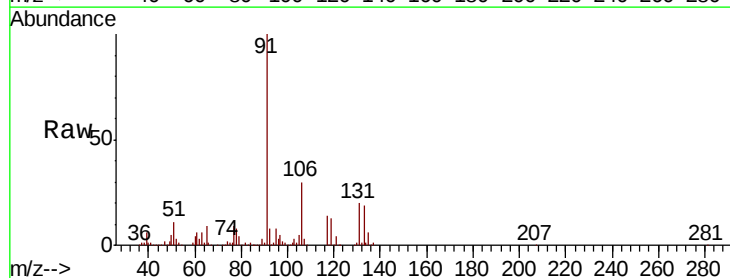
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 311139
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.225 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion:131 Resp: 114327
Ion Ratio Lower Upper
131 100
133 96.3 48.9 146.8
119 66.7 33.9 101.7





#67

Ethyl Benzene

Concen: 49.883 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

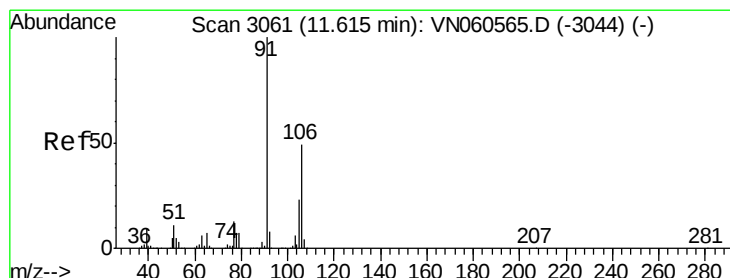
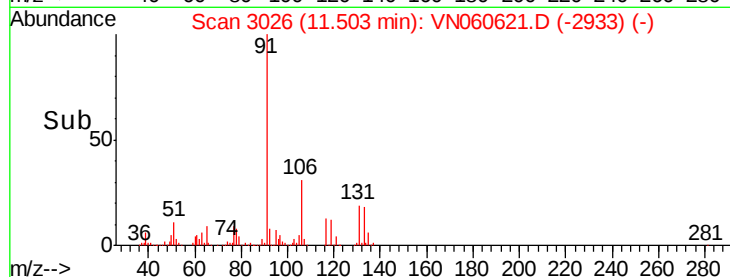
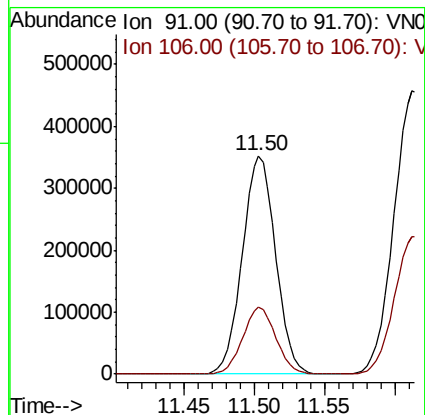
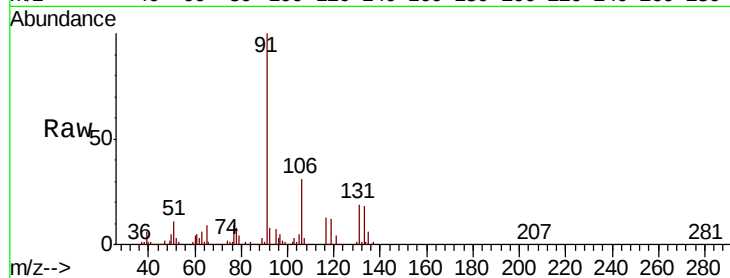
VSTDCCC050EC

Tot Ion: 91 Resp: 583219

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2



#68

m/p-Xylenes

Concen: 99.611 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060621.D

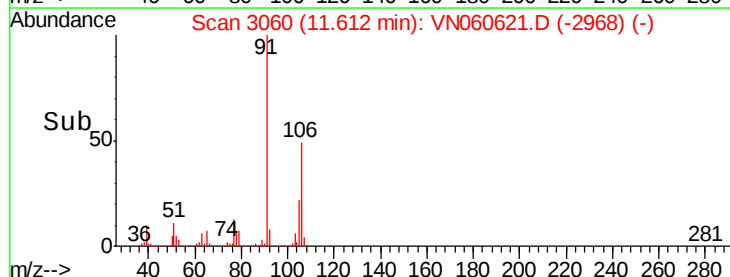
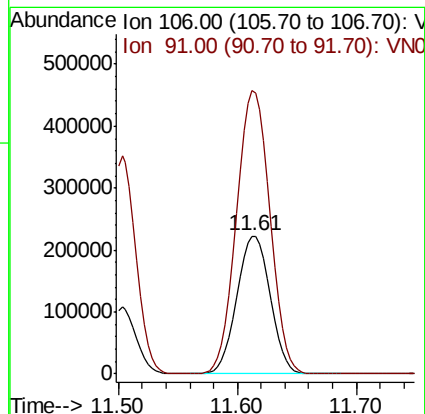
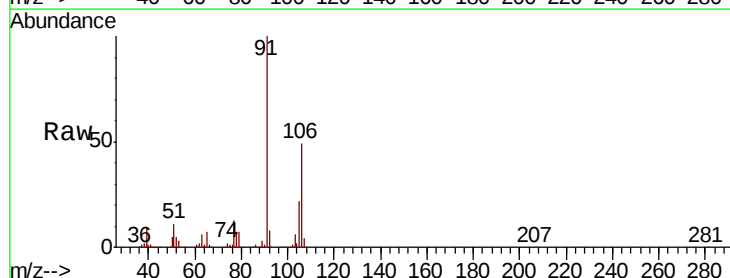
Acq: 19 Mar 2020 3:22

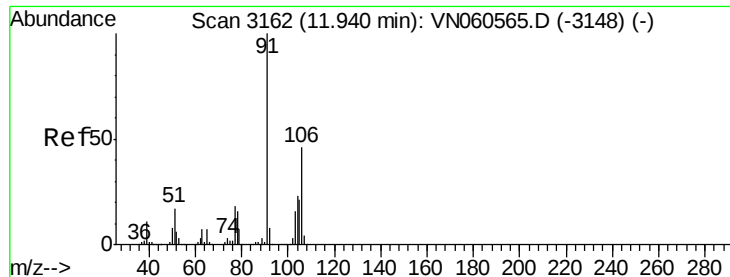
Tgt Ion: 106 Resp: 432778

Ion Ratio Lower Upper

106 100

91 206.1 165.0 247.4

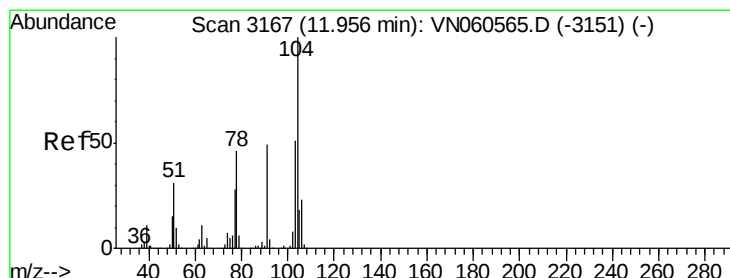
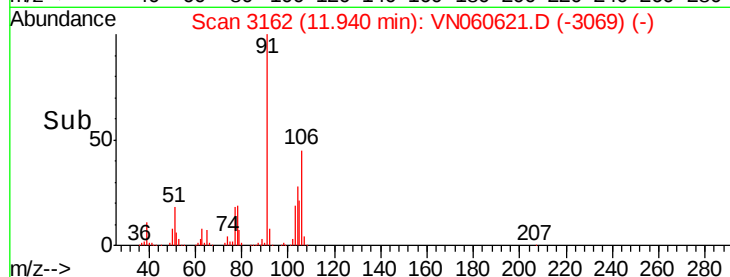
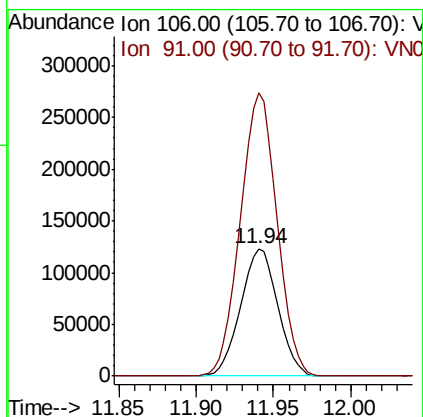
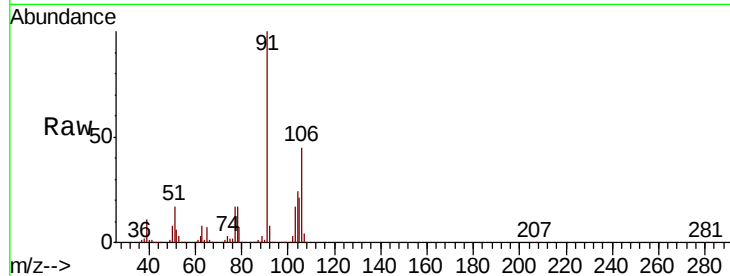




#69
o-Xylene
Concen: 49.686 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

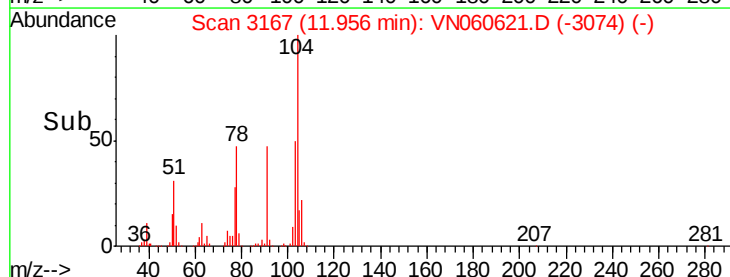
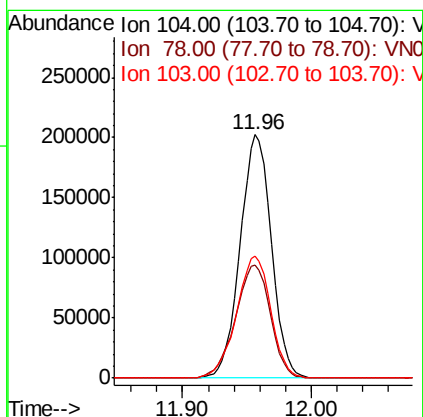
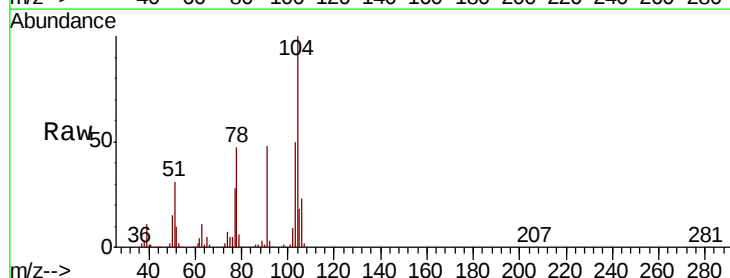
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

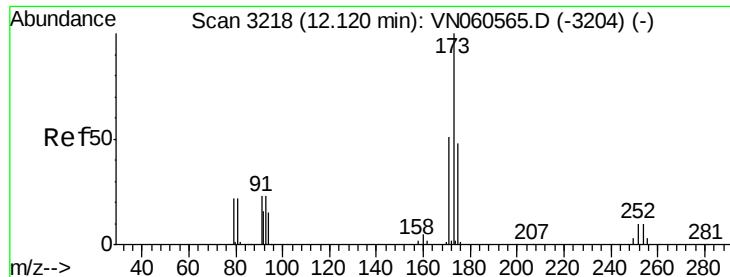
Tot Ion:106 Resp: 206072
Ion Ratio Lower Upper
106 100
91 219.5 109.5 328.4



#70
Styrene
Concen: 50.413 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion:104 Resp: 341959
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.8 44.0 66.0

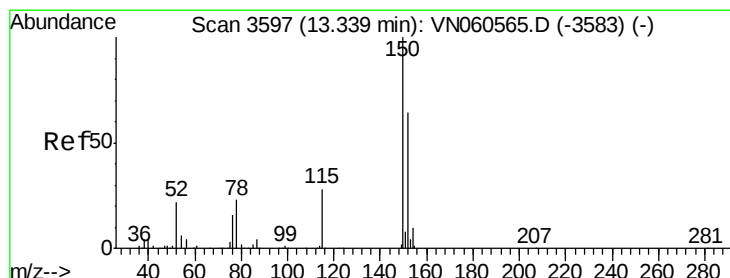
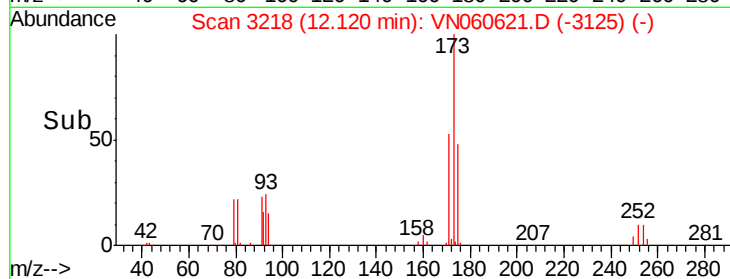
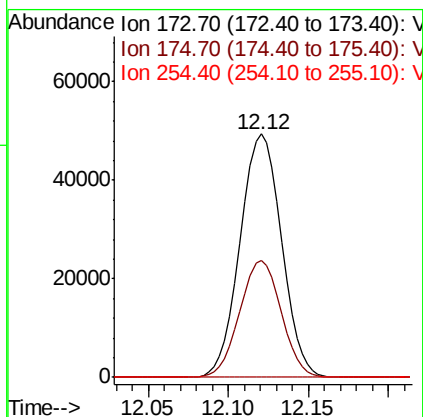
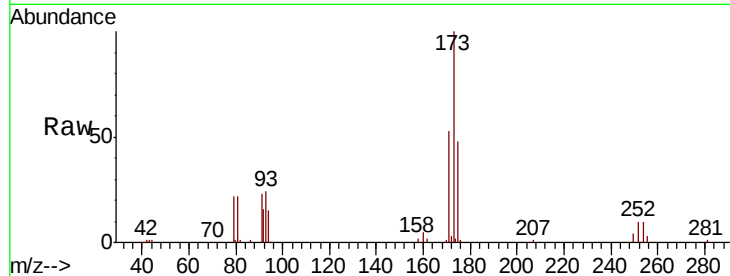




#71
Bromoform
Concen: 46.364 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

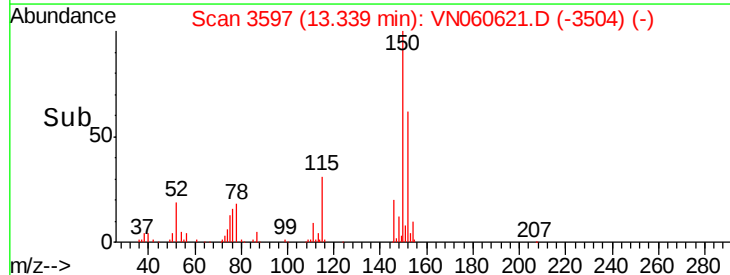
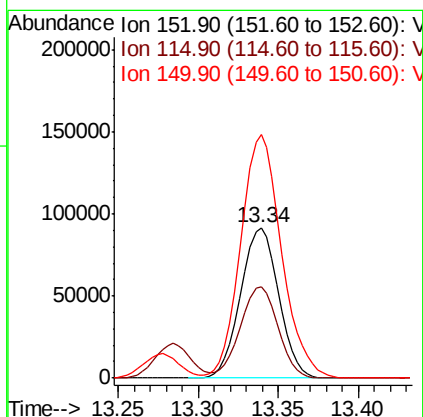
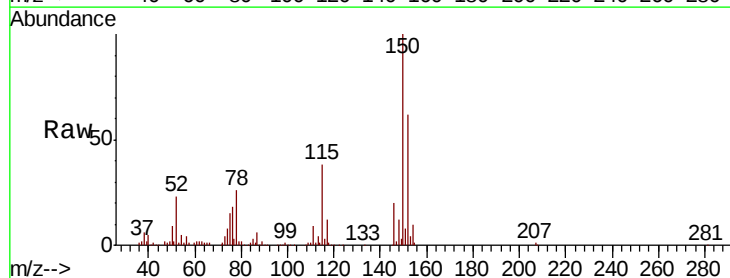
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

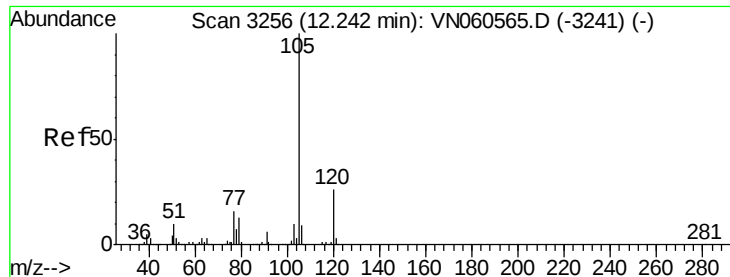
Tot Ion:173 Resp: 87477
Ion Ratio Lower Upper
173 100
175 47.9 24.1 72.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion:152 Resp: 148270
Ion Ratio Lower Upper
152 100
115 60.8 30.2 90.6
150 173.5 0.0 350.2





#73

Isopropylbenzene

Concen: 49.245 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

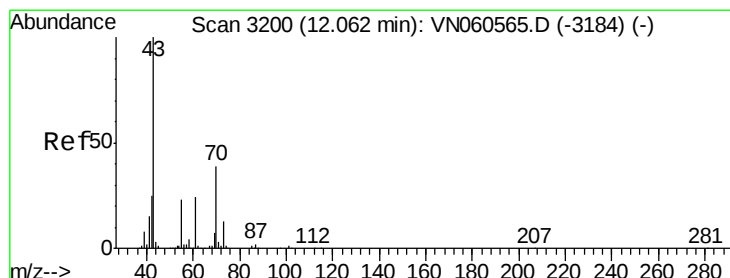
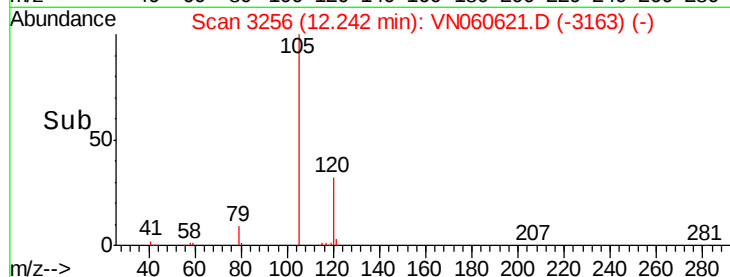
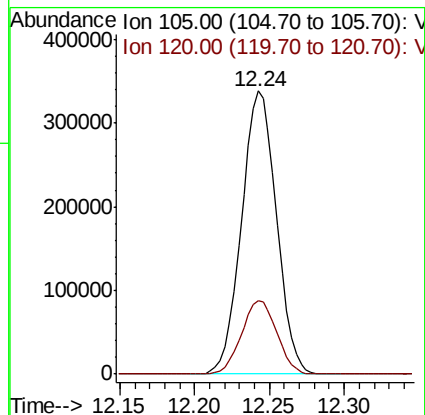
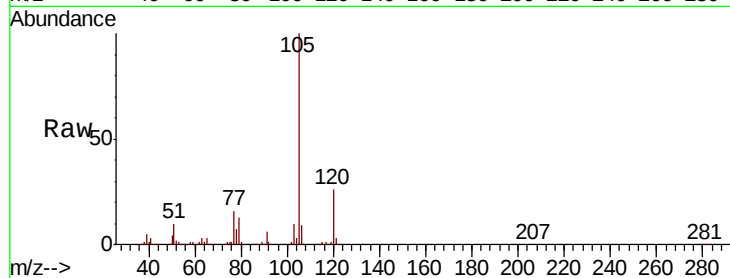
VSTDCCC050EC

Tot Ion:105 Resp: 547948

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#74

N-ethyl acetate

Concen: 50.828 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Tgt Ion: 43 Resp: 261344

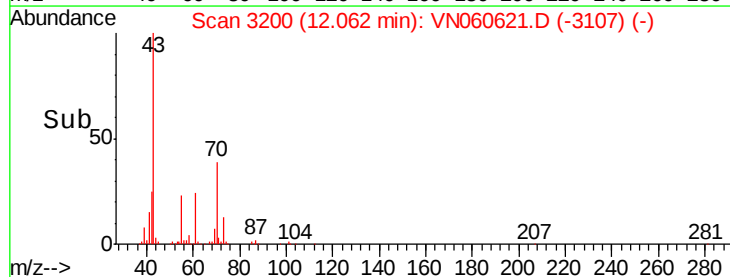
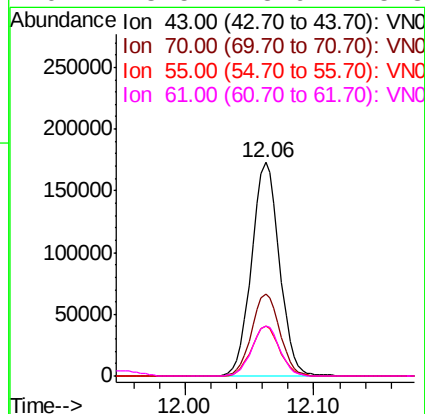
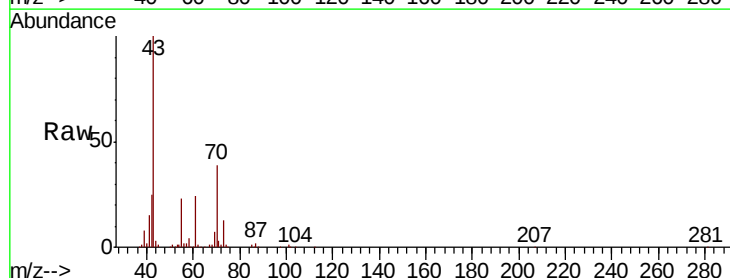
Ion Ratio Lower Upper

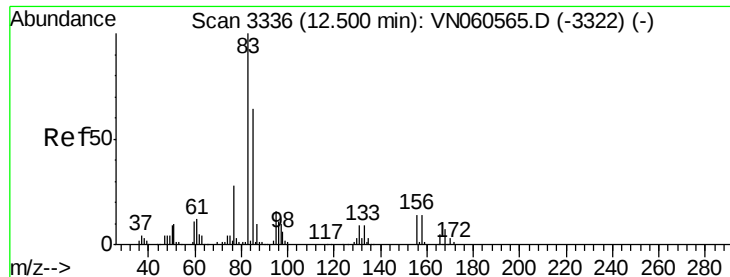
43 100

70 39.1 31.1 46.7

55 23.4 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.512 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

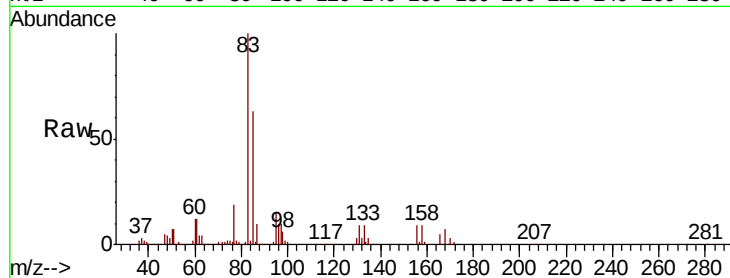
Tot Ion: 83 Resp: 166604

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

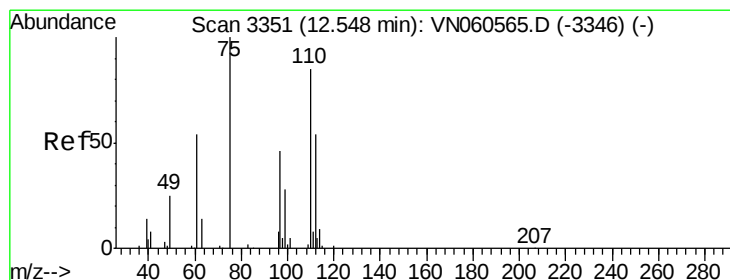
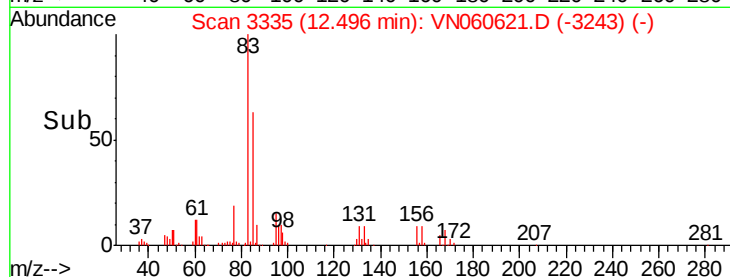
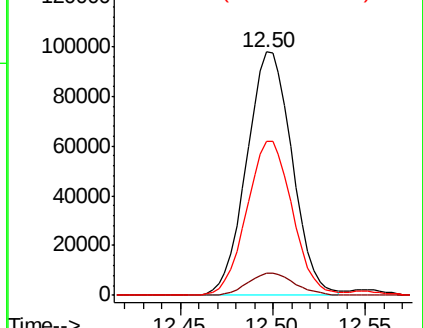
85 63.7 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060621.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060621.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060621.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 70.577 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060621.D

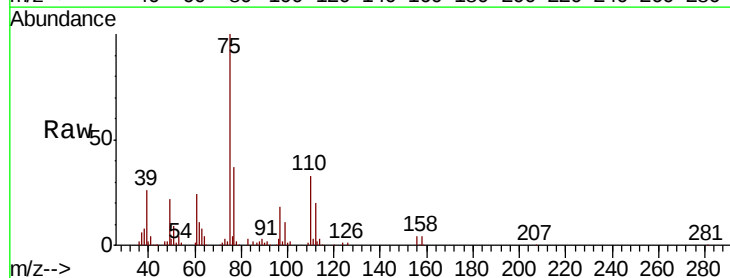
Acq: 19 Mar 2020 3:22

Tgt Ion: 75 Resp: 225800

Ion Ratio Lower Upper

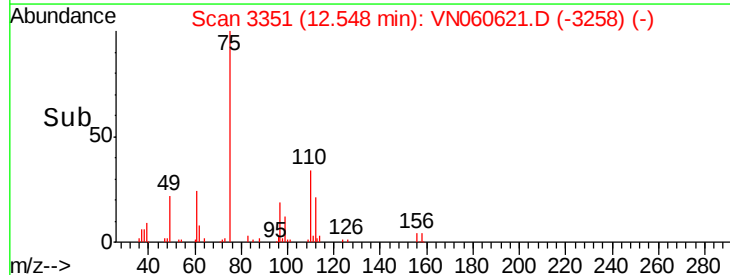
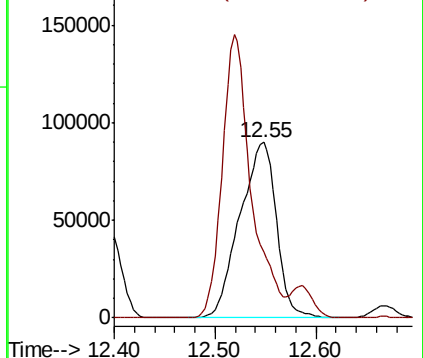
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060621.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060621.D (-3258) (-)





#77

Bromobenzene

Concen: 48.970 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

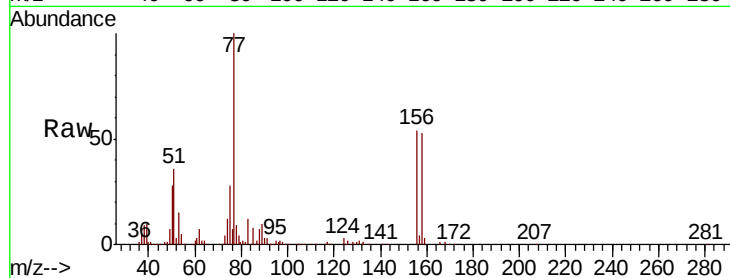
Tot Ion:156 Resp: 131299

Ion Ratio Lower Upper

156 100

77 222.7 112.3 337.0

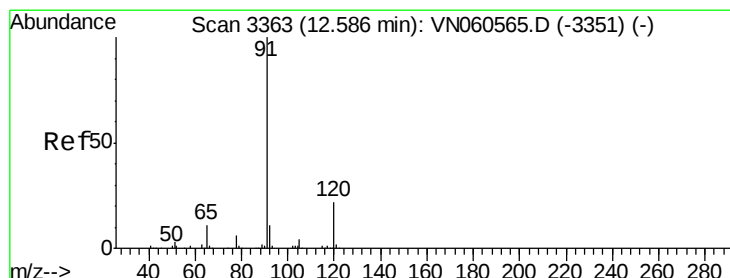
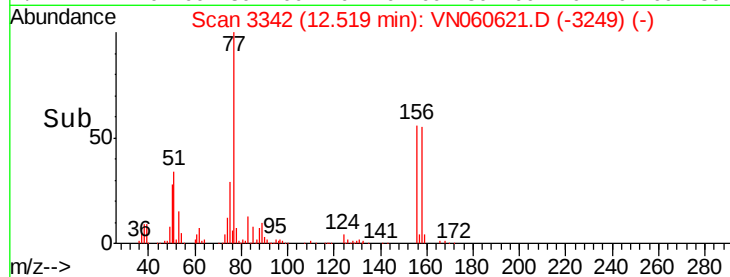
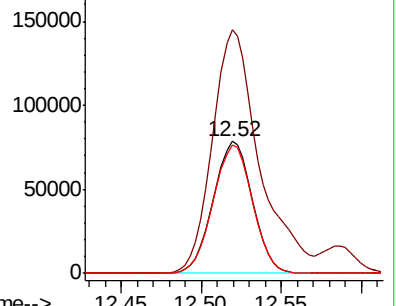
158 97.6 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.075 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060621.D

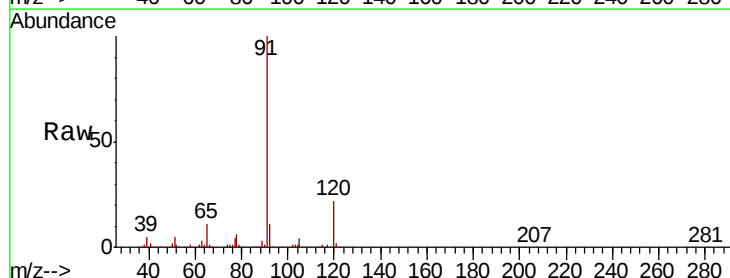
Acq: 19 Mar 2020 3:22

Tgt Ion: 91 Resp: 645136

Ion Ratio Lower Upper

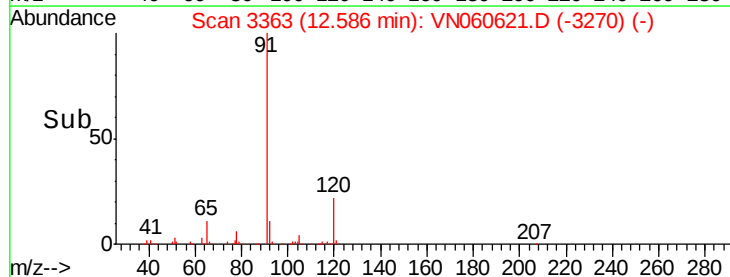
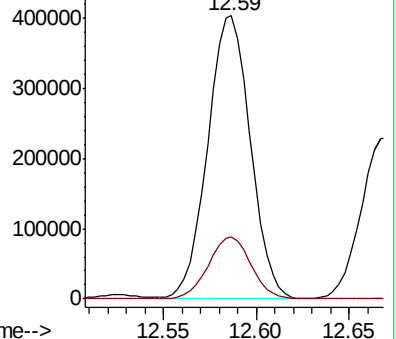
91 100

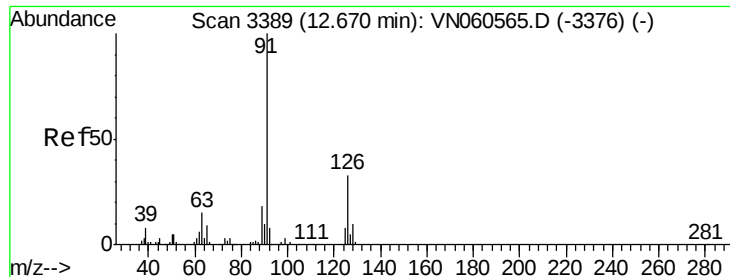
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.481 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

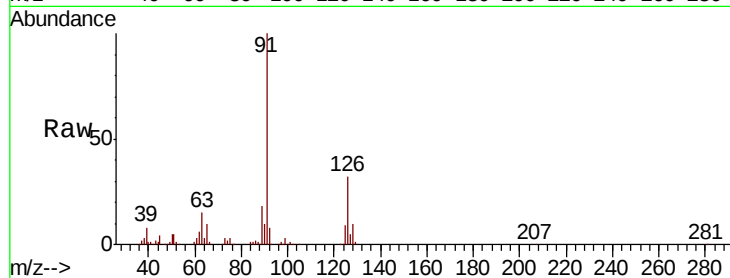
VSTDCCC050EC

Tot Ion: 91 Resp: 380806

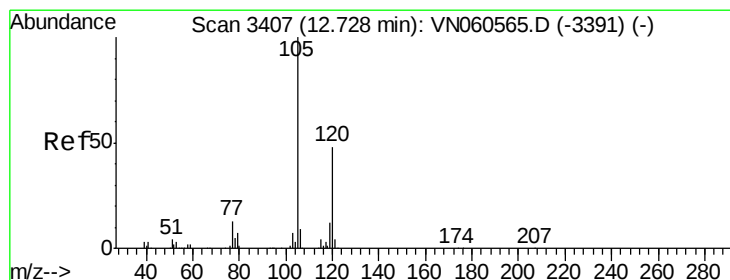
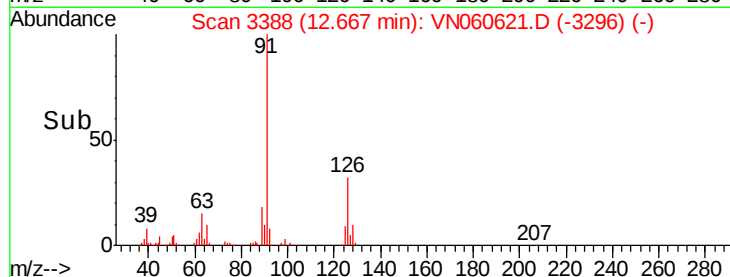
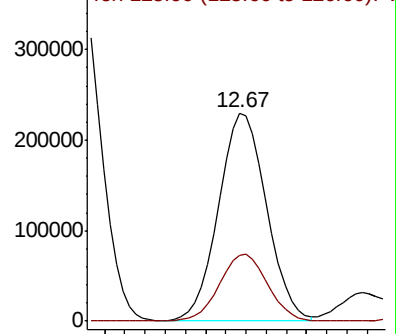
Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.775 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060621.D

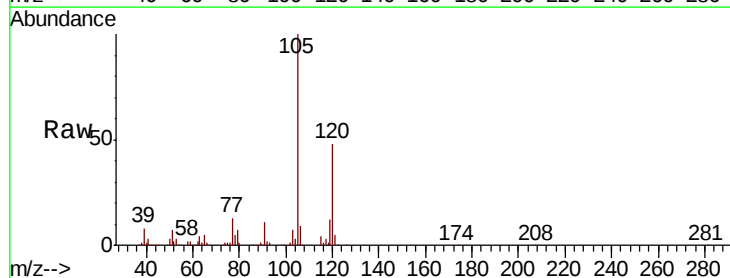
Acq: 19 Mar 2020 3:22

Tgt Ion: 105 Resp: 460570

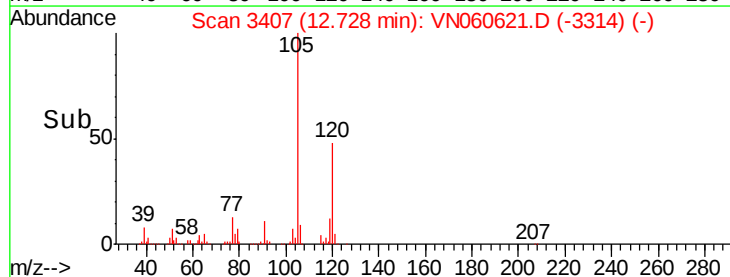
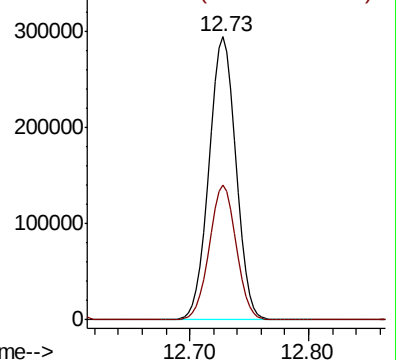
Ion Ratio Lower Upper

105 100

120 47.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

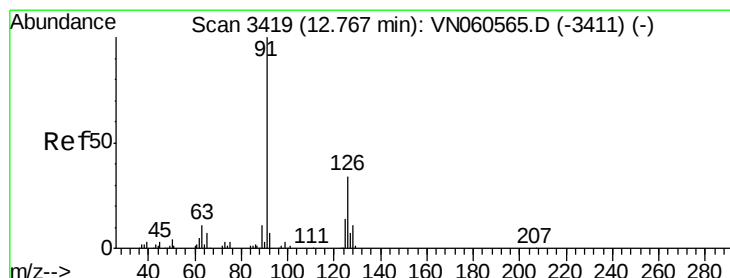
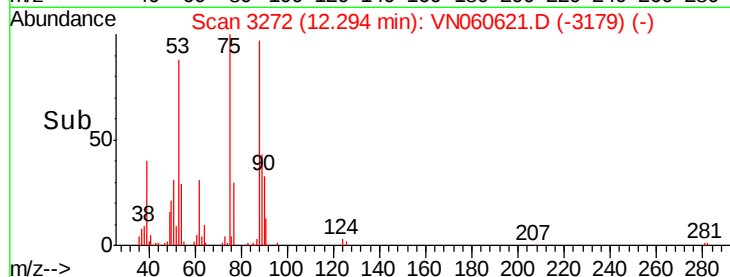
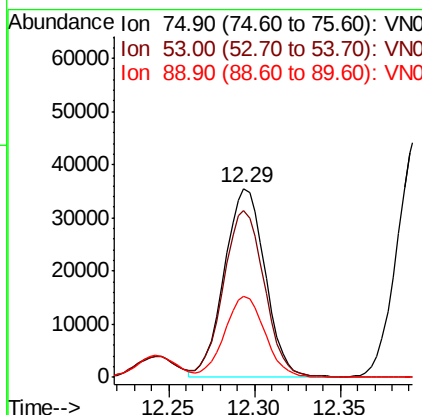
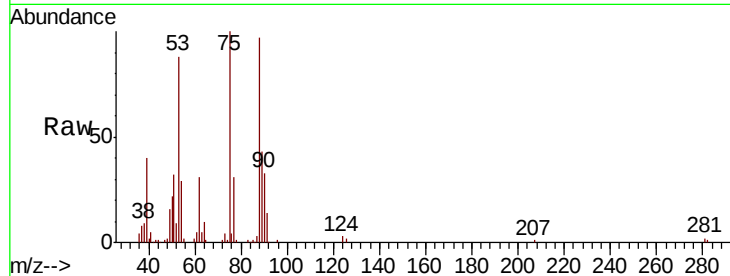




#81
trans-1,4-Dichloro-2-butene
Concen: 47.191 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

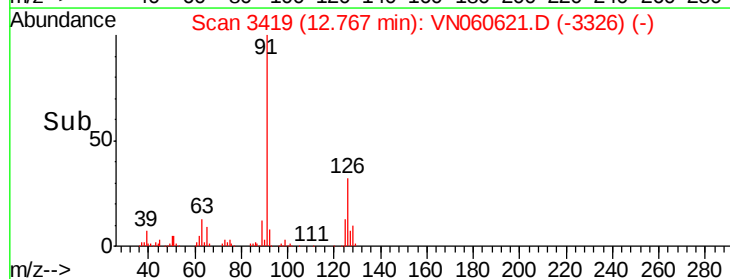
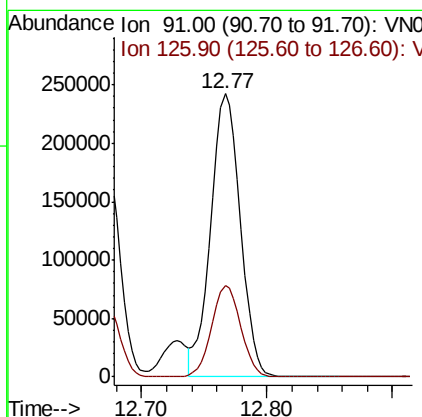
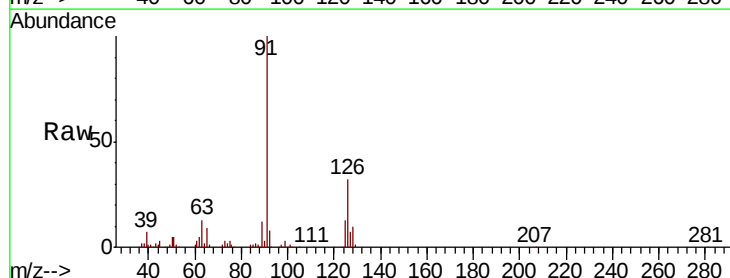
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

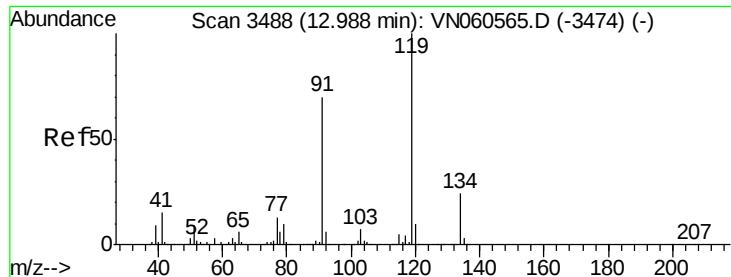
Tot Ion: 75 Resp: 58786
Ion Ratio Lower Upper
75 100
53 88.8 73.0 109.4
89 42.2 34.8 52.2



#82
4-Chlorotoluene
Concen: 49.472 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 91 Resp: 395772
Ion Ratio Lower Upper
91 100
126 31.8 16.2 48.5





#83

tert-Butylbenzene

Concen: 48.713 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

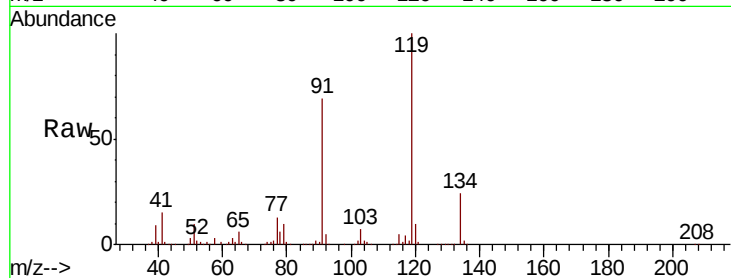
Tot Ion:119 Resp: 381314

Ion Ratio Lower Upper

119 100

91 67.8 34.0 101.8

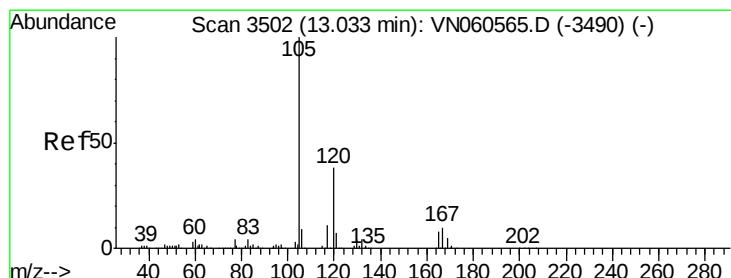
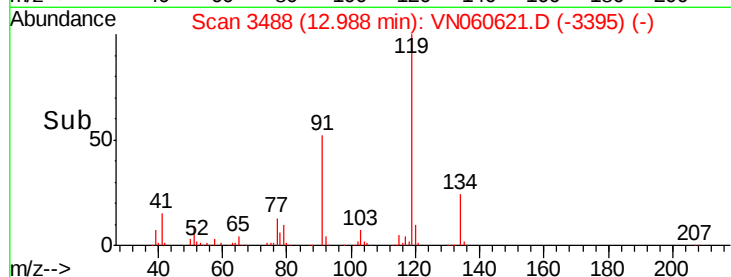
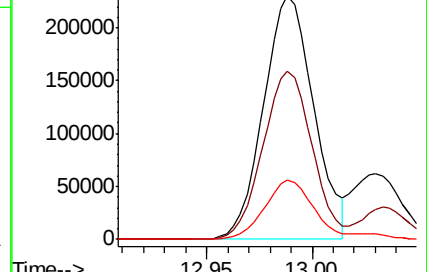
134 23.8 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.510 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060621.D

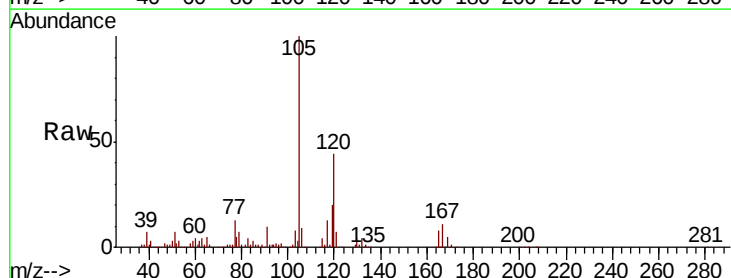
Acq: 19 Mar 2020 3:22

Tgt Ion:105 Resp: 462511

Ion Ratio Lower Upper

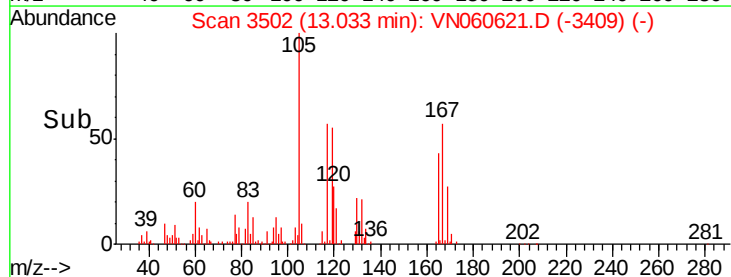
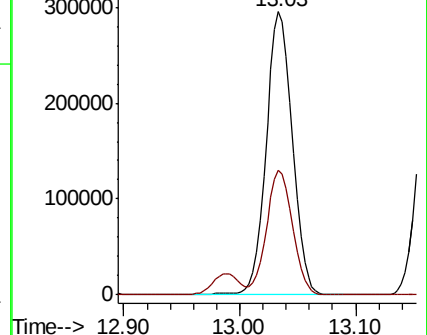
105 100

120 43.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.309 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

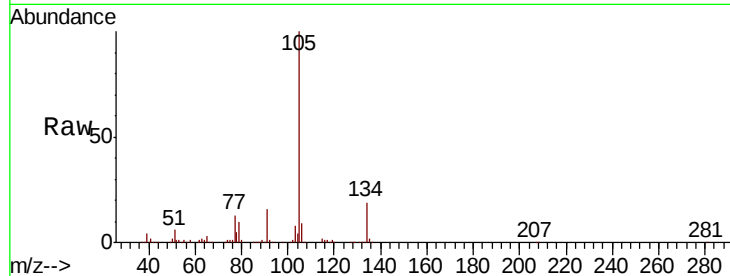
VSTDCCC050EC

Tot Ion:105 Resp: 508495

Ion Ratio Lower Upper

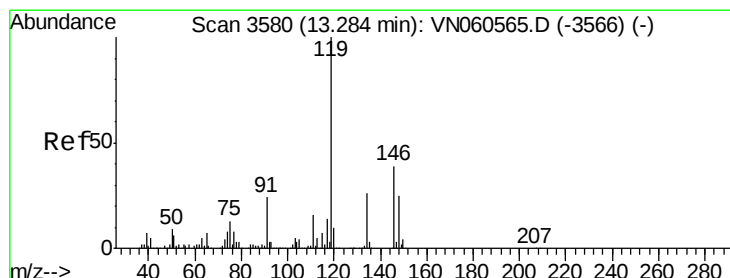
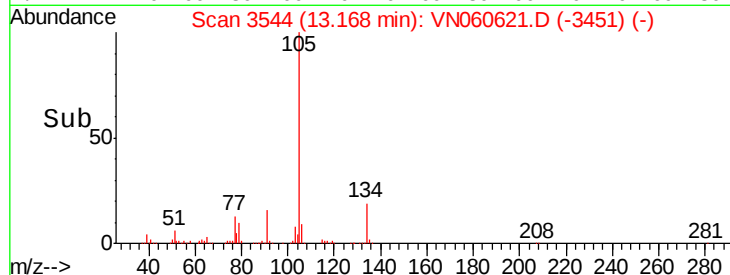
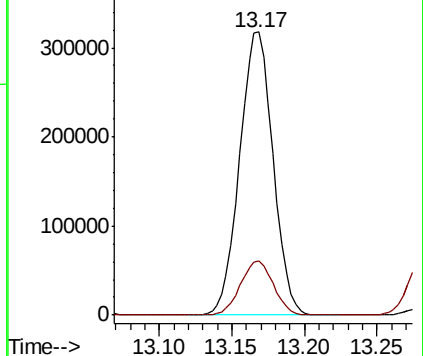
105 100

134 19.0 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.818 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

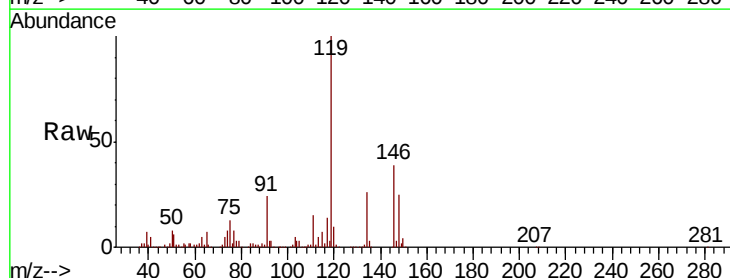
Tgt Ion:119 Resp: 452607

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

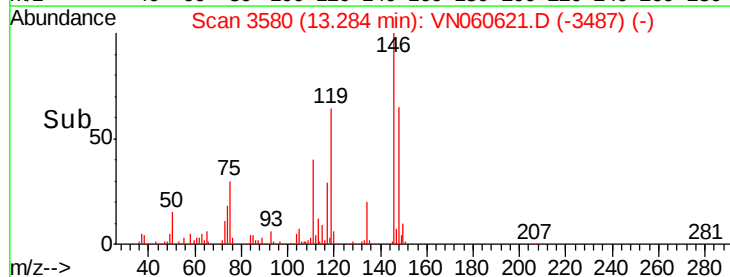
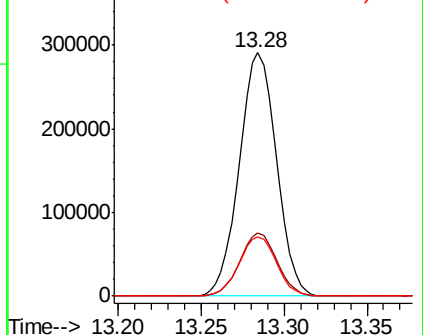
91 24.6 12.0 36.0



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

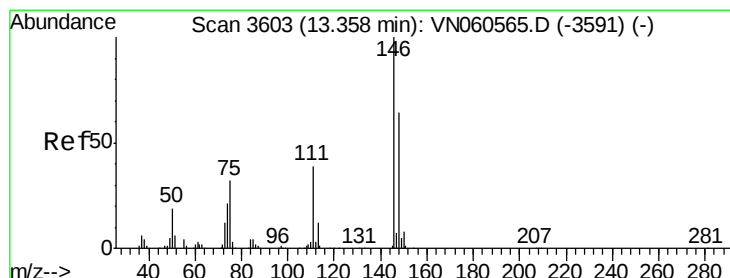
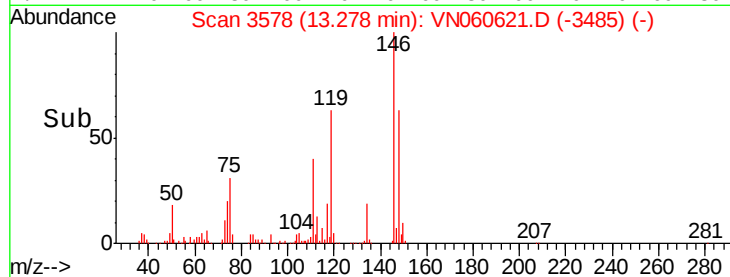
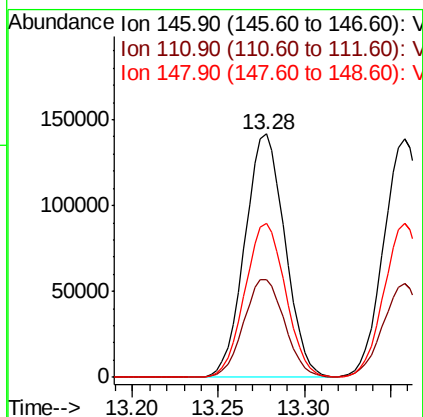
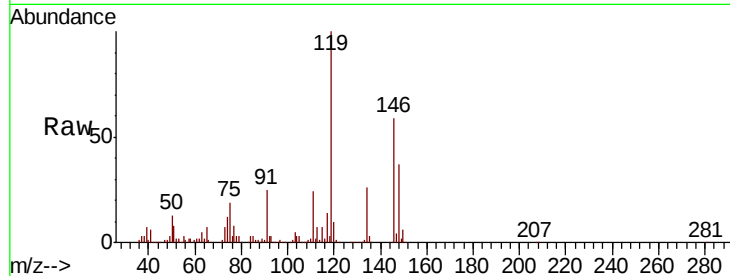




#87
 1,3-Dichlorobenzene
 Concen: 48.668 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

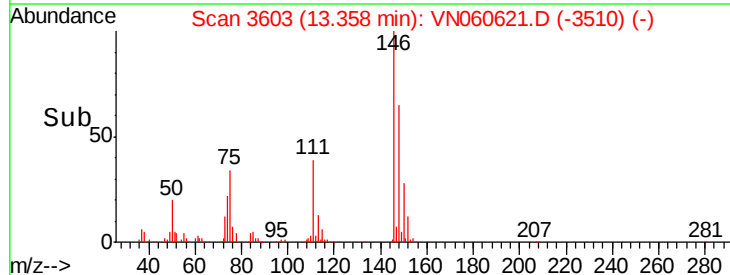
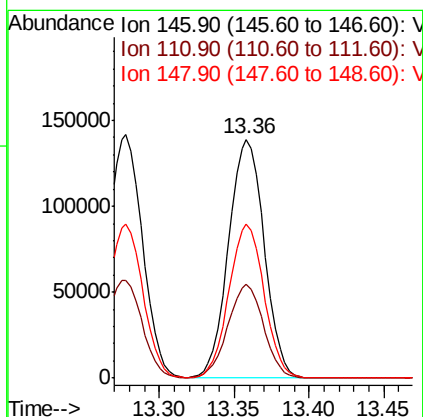
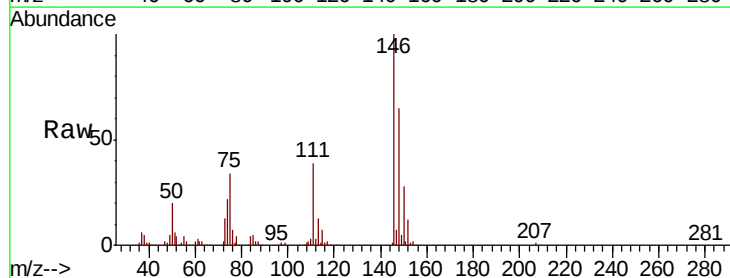
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

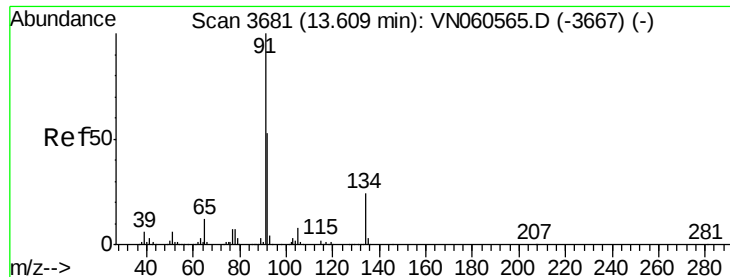
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.8
148	63.9	32.5	97.4



#88
 1,4-Dichlorobenzene
 Concen: 48.657 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	63.6	32.1	96.3

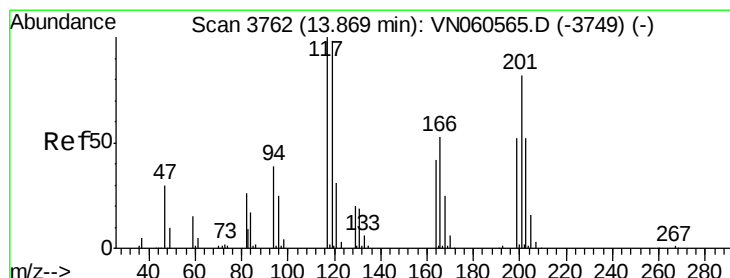
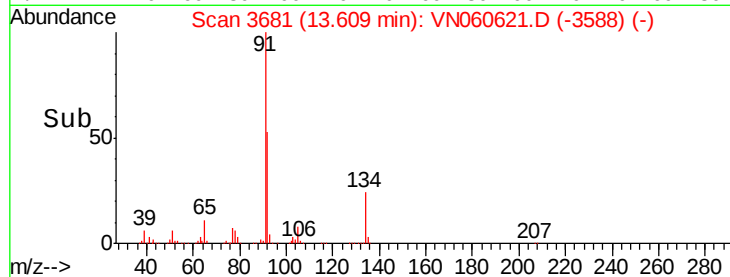
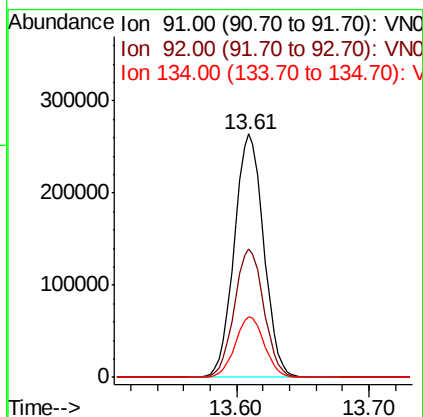
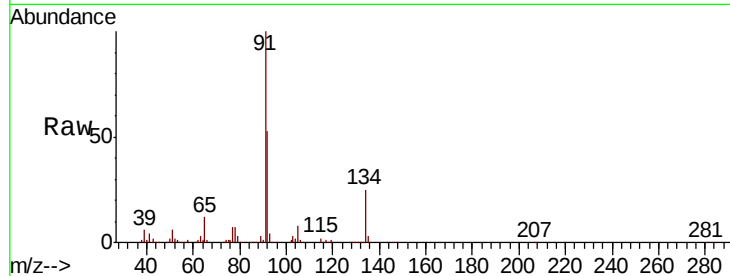




#89
n-Butylbenzene
Concen: 47.519 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

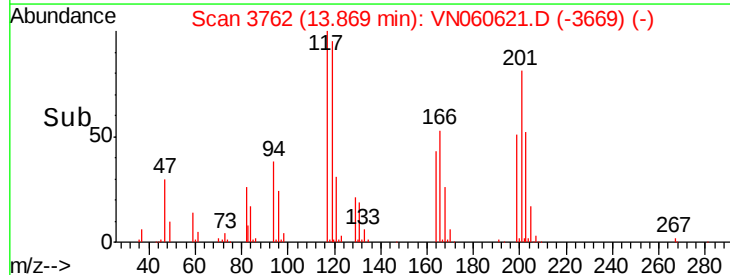
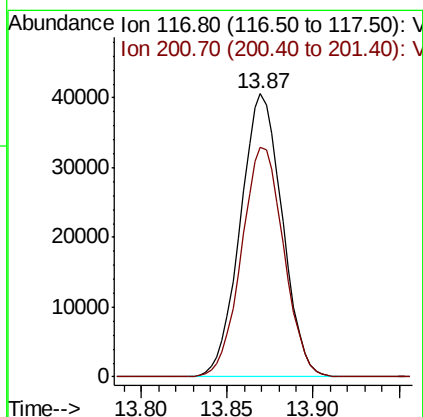
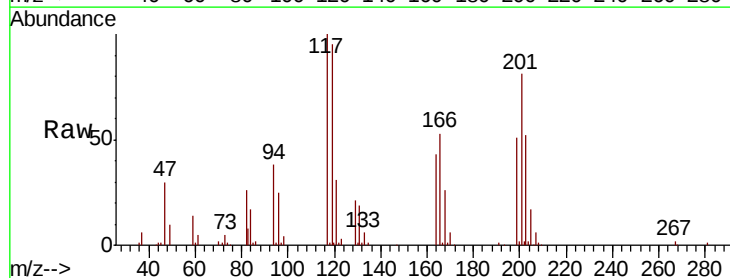
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 406085
Ion Ratio Lower Upper
91 100
92 52.8 26.2 78.5
134 24.7 12.3 36.9



#90
Hexachloroethane
Concen: 49.859 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060621.D
Acq: 19 Mar 2020 3:22

Tgt Ion: 117 Resp: 68599
Ion Ratio Lower Upper
117 100
201 81.8 40.8 122.5

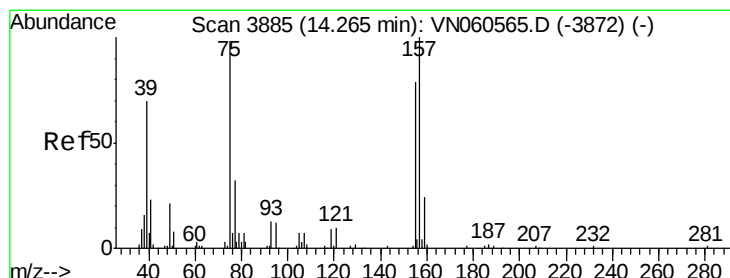
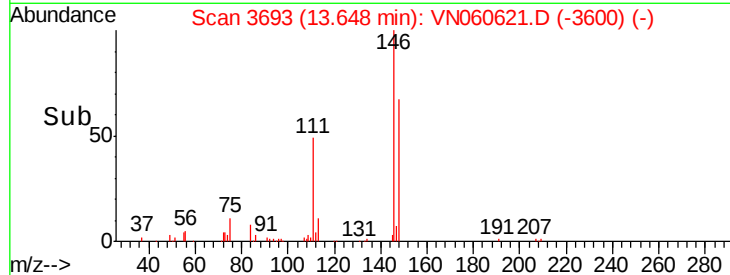
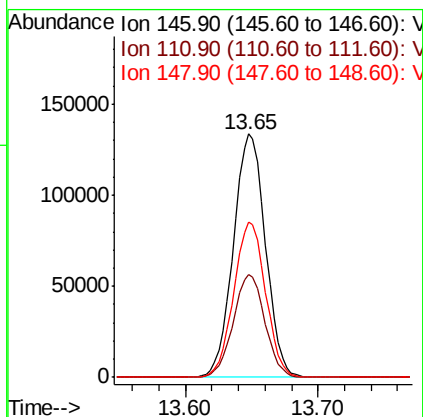
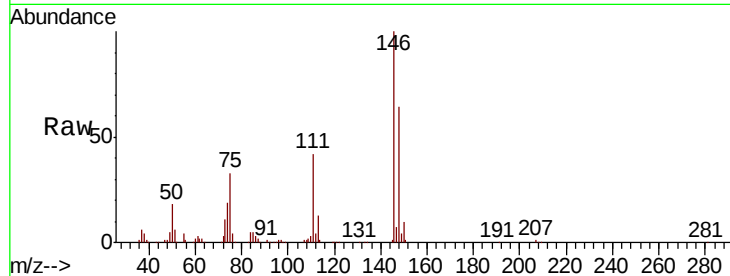




#91
 1,2-Dichlorobenzene
 Concen: 49.492 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

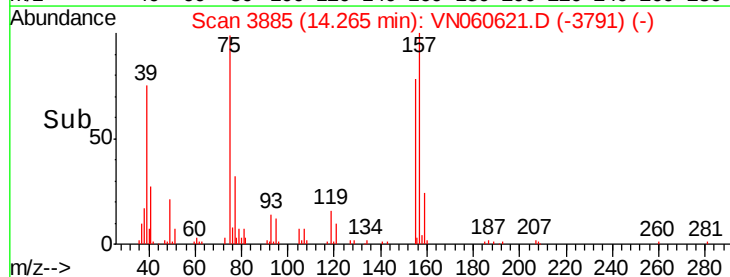
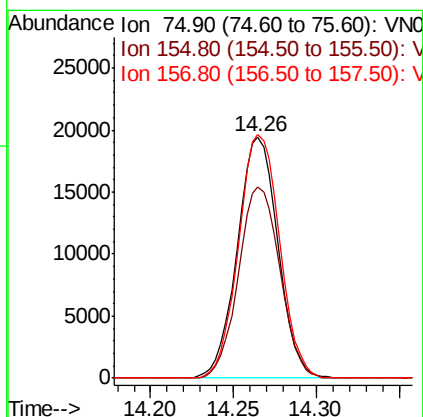
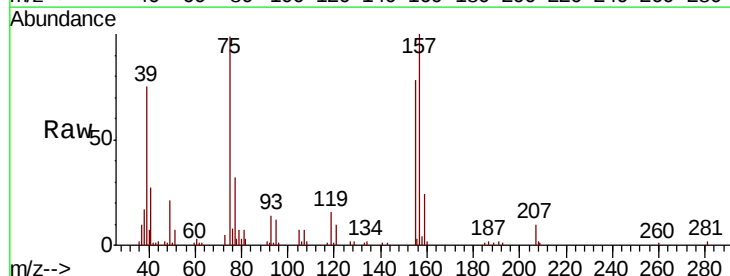
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.062 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	40.7	122.1
157	102.0	51.5	154.7

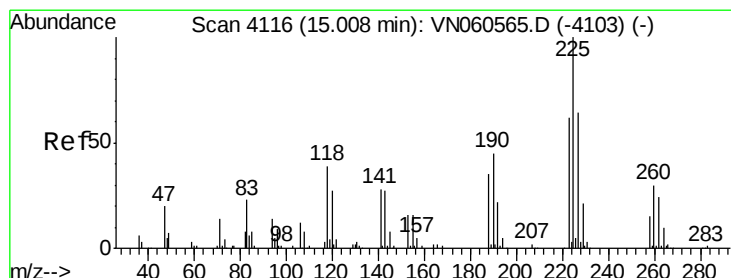
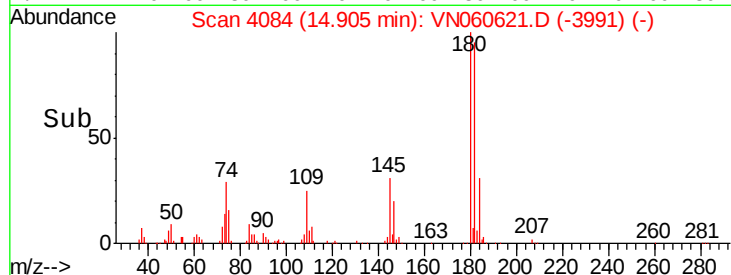
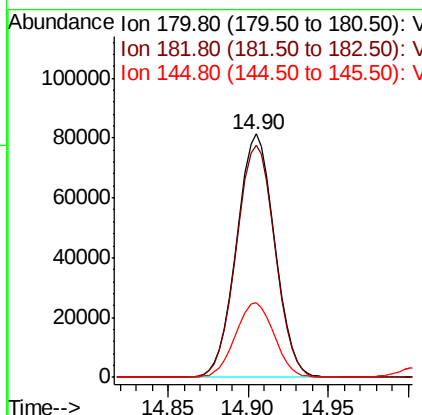
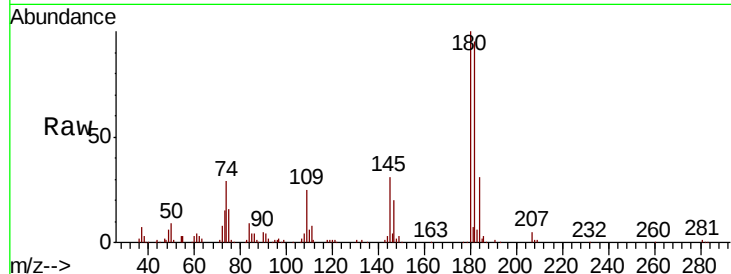




#93
 1,2,4-Trichlorobenzene
 Concen: 47.561 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

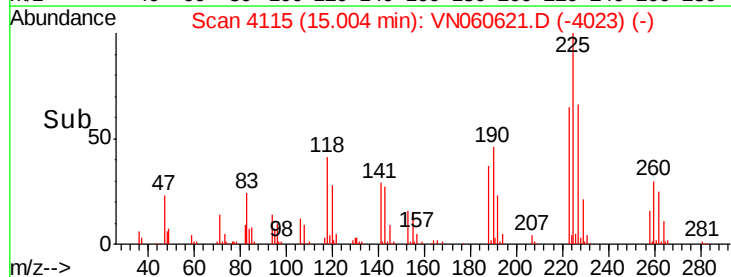
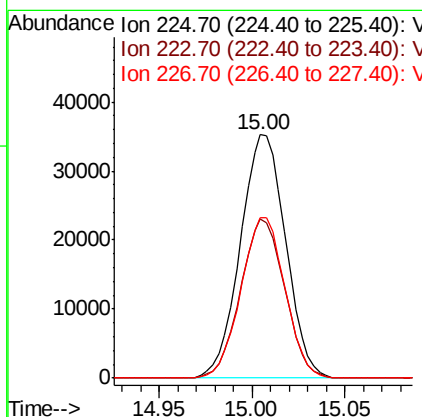
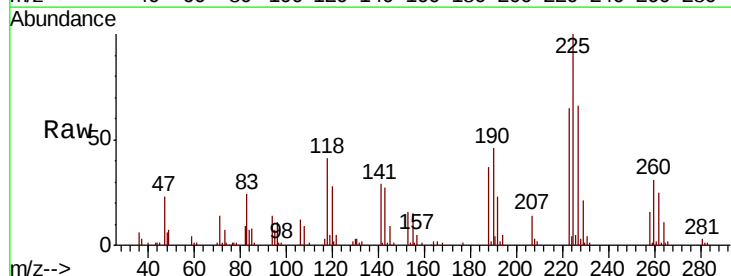
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

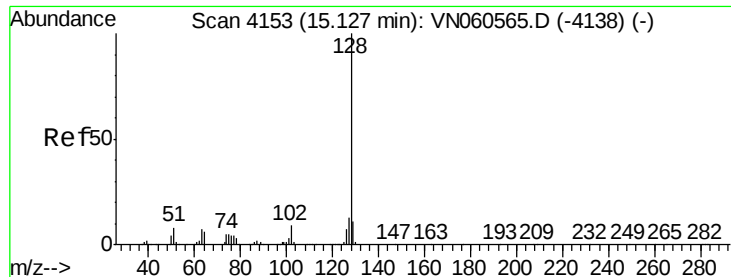
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.8
145	31.0	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 43.875 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060621.D
 Acq: 19 Mar 2020 3:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.6	95.0
227	64.2	32.3	96.8





#95

Naphthalene

Concen: 48.645 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

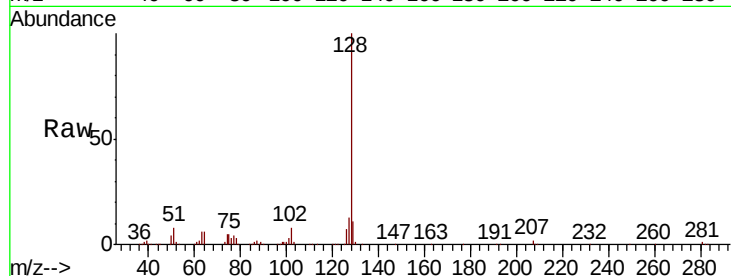
Tot Ion:128 Resp: 406286

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

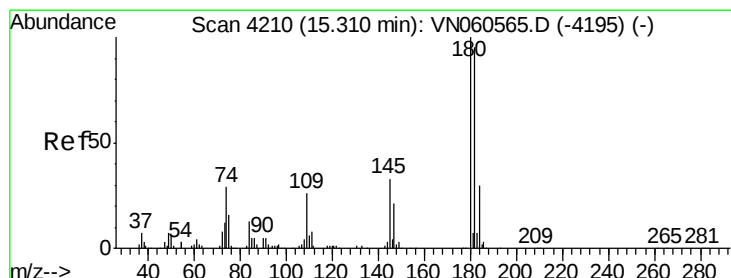
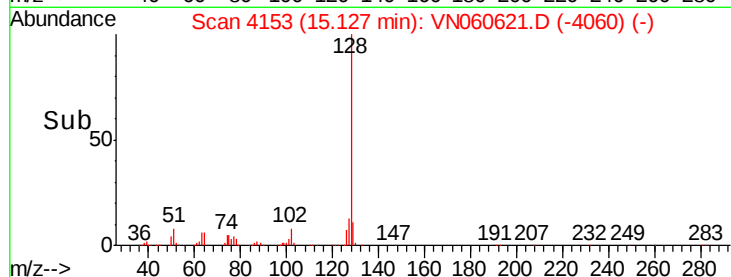
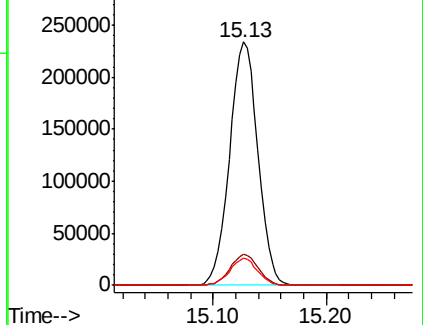
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.249 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

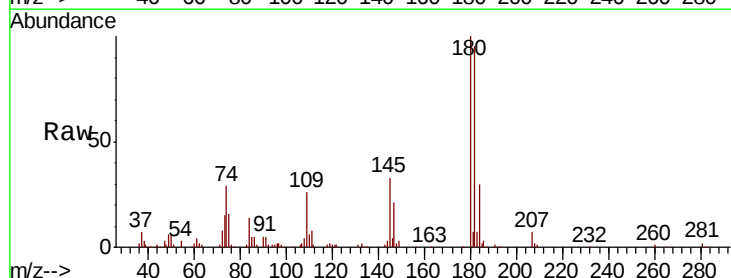
Tgt Ion:180 Resp: 129230

Ion Ratio Lower Upper

180 100

182 94.8 47.5 142.6

145 32.1 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

