

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060514.D
 Acq On : 16 Mar 2020 11:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 17 08:42:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	342574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	131442	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
35) Dibromofluoromethane	7.56	113	100417	63.15	ug/l	0.00
Spiked Amount			Recovery	=	126.30%	
50) Toluene-d8	10.08	98	387204	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.39	95	149991	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	76413	39.612	ug/l	100
3) Chloromethane	2.03	50	137413	40.915	ug/l	99
4) Vinyl Chloride	2.16	62	114582	39.782	ug/l	98
5) Bromomethane	2.54	94	49936	42.722	ug/l	99
6) Chloroethane	2.68	64	69497	44.533	ug/l	97
7) Trichlorofluoromethane	3.00	101	160907	43.725	ug/l	99
8) Diethyl Ether	3.38	74	66475	47.843	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	99136	47.601	ug/l	99
10) Methyl Iodide	3.92	142	73408	38.621	ug/l	99
11) Tert butyl alcohol	4.72	59	97022	242.053	ug/l	100
12) 1,1-Dichloroethene	3.71	96	95029	47.009	ug/l	99
13) Acrolein	3.57	56	89740	239.986	ug/l	100
14) Allyl chloride	4.29	41	171964	46.141	ug/l	96
15) Acrylonitrile	4.94	53	287398	272.026	ug/l	99
16) Acetone	3.78	43	262176	300.755	ug/l	99
17) Carbon Disulfide	4.03	76	225823	41.986	ug/l	100
18) Methyl Acetate	4.28	43	153017	52.599	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	368020	50.147	ug/l	97
20) Methylene Chloride	4.52	84	111485	46.568	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	102566	47.204	ug/l	97
22) Diisopropyl ether	5.91	45	405403	53.701	ug/l	97
23) Vinyl Acetate	5.85	43	1593050	265.560	ug/l	99
24) 1,1-Dichloroethane	5.81	63	214615	50.222	ug/l	99
25) 2-Butanone	6.79	43	402922	286.157	ug/l	98
26) 2,2-Dichloropropane	6.79	77	193313	49.690	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	126928	45.723	ug/l	97
28) Bromochloromethane	7.17	49	91681	52.254	ug/l	93
29) Tetrahydrofuran	7.18	42	255472	260.919	ug/l	97
30) Chloroform	7.34	83	212548	49.964	ug/l	98
31) Cyclohexane	7.63	56	178040	48.790	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	180859	47.985	ug/l	100
36) 1,1-Dichloropropene	7.77	75	151762	46.483	ug/l	99
37) Ethyl Acetate	6.89	43	162677	52.621	ug/l	100
38) Carbon Tetrachloride	7.75	117	144350	45.411	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	173190	44.990	ug/l	97
40) Benzene	8.02	78	466623	49.104	ug/l	100
41) Methacrylonitrile	7.18	41	235123	164.717	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	167533	48.856	ug/l	100
43) Isopropyl Acetate	8.14	43	286434	52.925	ug/l	99
44) Trichloroethene	8.81	130	121785	46.016	ug/l	99
45) 1,2-Dichloropropane	9.10	63	132943	53.509	ug/l	100
46) Dibromomethane	9.19	93	79292	49.185	ug/l	99
47) Bromodichloromethane	9.38	83	170235	51.920	ug/l	98
48) Methyl methacrylate	9.18	41	126382	51.208	ug/l	97
49) 1,4-Dioxane	9.18	88	33235	957.596	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	831103	270.844	ug/l	100
52) Toluene	10.14	92	288164	48.275	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	199356	49.621	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	211778	50.871	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	118230	49.253	ug/l	99
56) Ethyl methacrylate	10.42	69	182842	53.018	ug/l	96
57) 1,3-Dichloropropane	10.70	76	203347	51.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	449657	249.300	ug/l	98
59) 2-Hexanone	10.74	43	609800	270.659	ug/l	99
60) Dibromochloromethane	10.89	129	125469	51.396	ug/l	99
61) 1,2-Dibromoethane	10.99	107	116896	49.954	ug/l	99
64) Tetrachloroethene	10.62	164	118424	47.680	ug/l	99
65) Chlorobenzene	11.43	112	305586	48.040	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	116946	49.722	ug/l	99
67) Ethyl Benzene	11.50	91	566159	48.874	ug/l	100
68) m/p-Xylenes	11.61	106	418693	95.798	ug/l	100
69) o-Xylene	11.94	106	203115	48.735	ug/l	100
70) Styrene	11.96	104	340550	49.699	ug/l	100
71) Bromoform	12.12	173	89587	52.851	ug/l #	100
73) Isopropylbenzene	12.24	105	555015	49.256	ug/l	100
74) N-amyl acetate	12.06	43	254105	51.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	165447	54.016	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	228720	68.572	ug/l #	100
77) Bromobenzene	12.52	156	130784	47.350	ug/l	93
78) n-propylbenzene	12.59	91	655339	49.616	ug/l	99
79) 2-Chlorotoluene	12.67	91	384025	49.462	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	464621	48.974	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	64573	53.441	ug/l #	84
82) 4-Chlorotoluene	12.77	91	395634	48.366	ug/l	99
83) tert-Butylbenzene	12.99	119	393499	47.906	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	465335	48.595	ug/l	100
85) sec-Butylbenzene	13.17	105	533366	48.490	ug/l	99
86) p-Isopropyltoluene	13.28	119	476894	46.843	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	238870	50.331	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	240115	50.886	ug/l	99
89) n-Butylbenzene	13.61	91	446482	47.775	ug/l	99
90) Hexachloroethane	13.87	117	70077	47.555	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	229328	47.383	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32665	47.094	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	146464	47.630	ug/l	99
94) Hexachlorobutadiene	15.01	225	72306	51.161	ug/l	98
95) Naphthalene	15.13	128	422735	46.650	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	139502	48.160	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

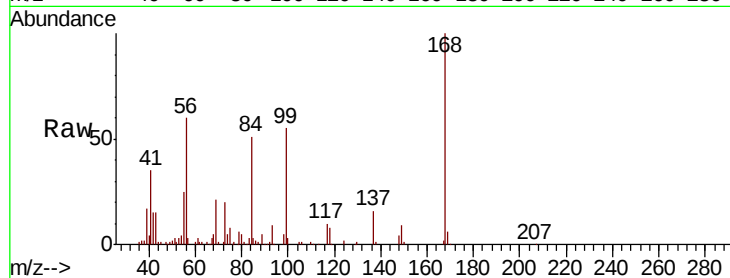
VSTDCCC050

Tot Ion:168 Resp: 210397

Ion Ratio Lower Upper

168 100

99 55.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

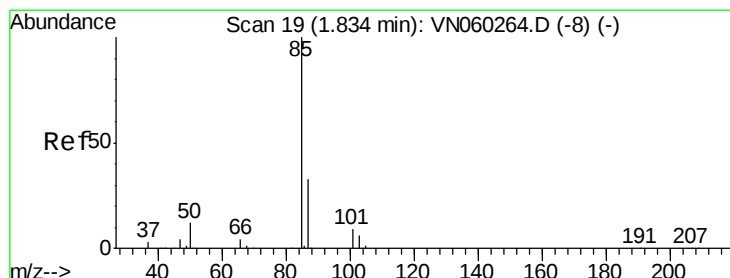
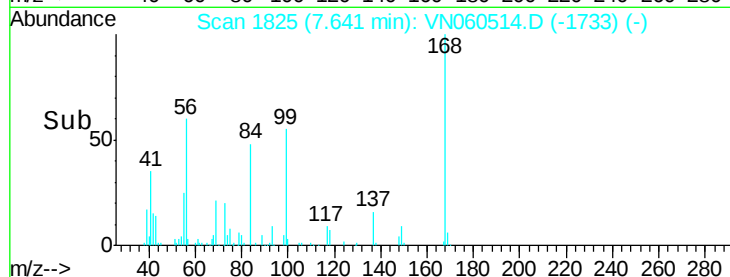
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 39.612 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060514.D

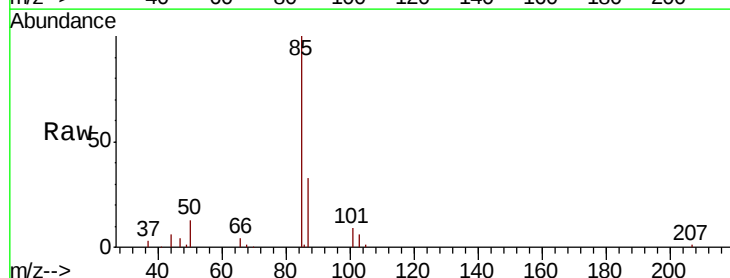
Acq: 16 Mar 2020 11:15

Tgt Ion: 85 Resp: 76413

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

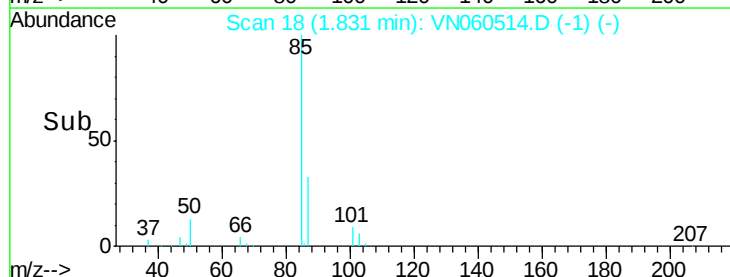
20000

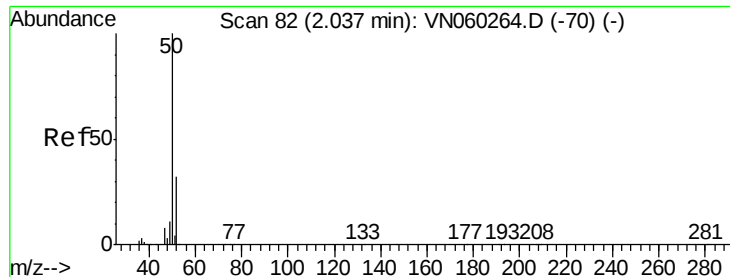
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 40.915 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

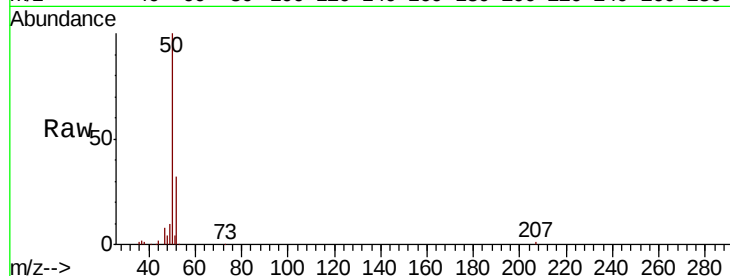
VSTDCCC050

Tot Ion: 50 Resp: 137413

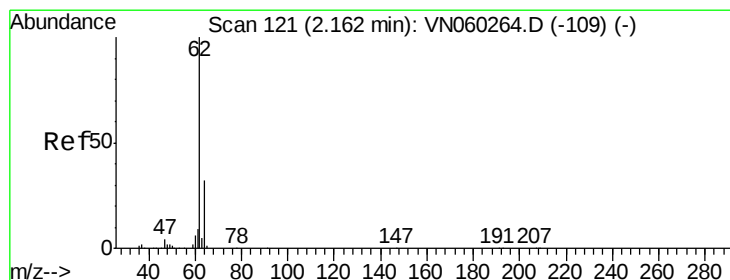
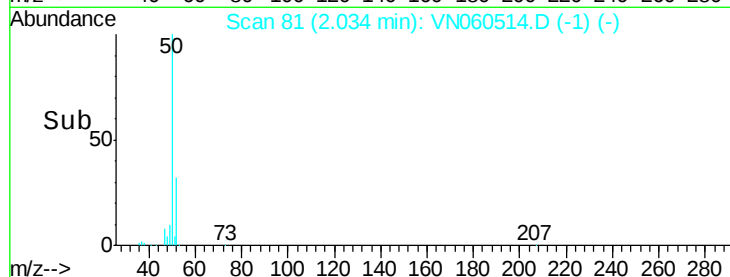
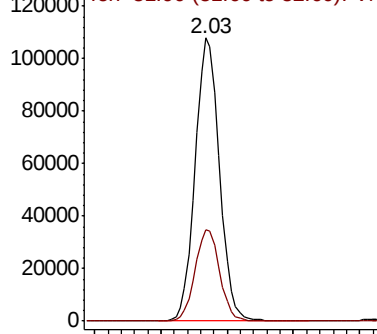
Ion Ratio Lower Upper

50 100

52 32.5 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 39.782 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060514.D

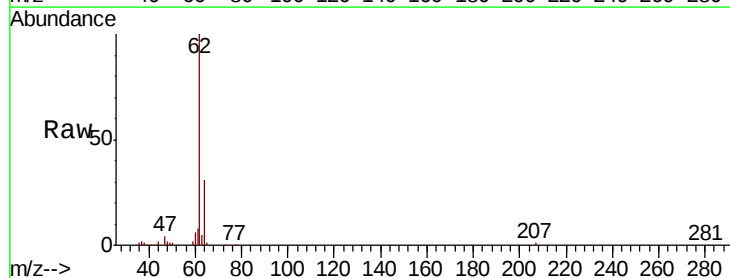
Acq: 16 Mar 2020 11:15

Tgt Ion: 62 Resp: 114582

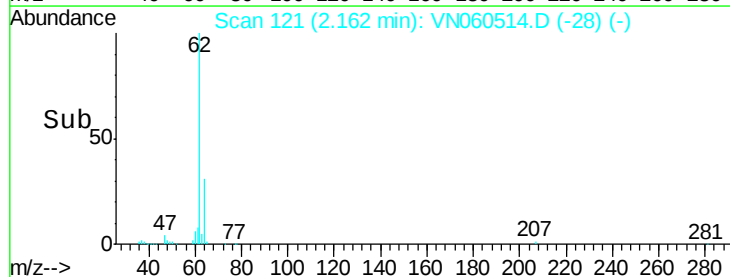
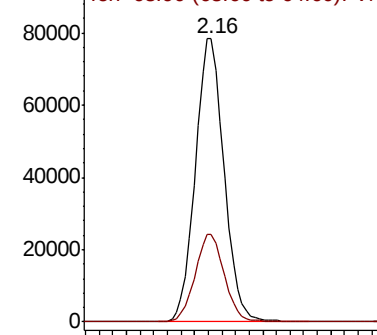
Ion Ratio Lower Upper

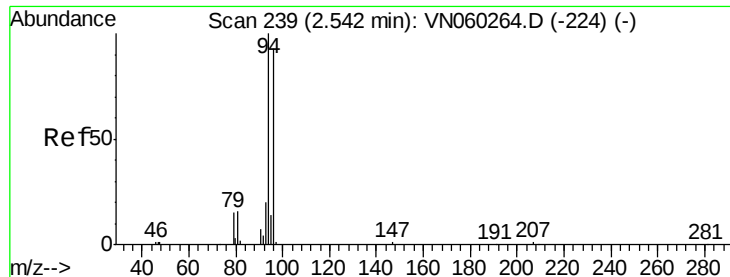
62 100

64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 42.722 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

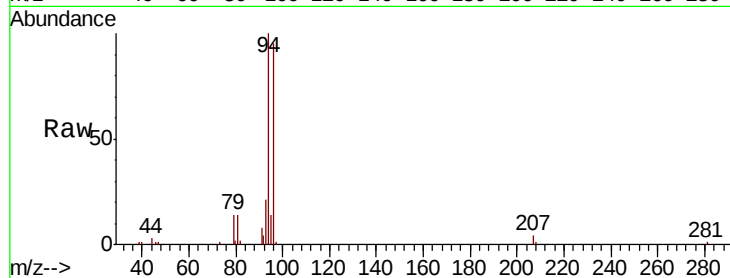
VSTDCCC050

Tot Ion: 94 Resp: 49936

Ion Ratio Lower Upper

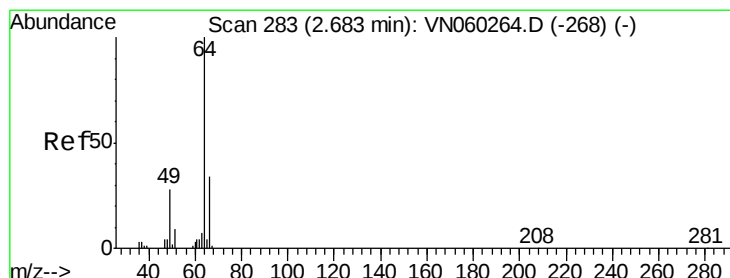
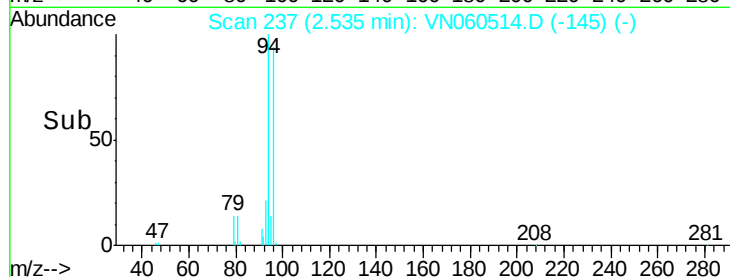
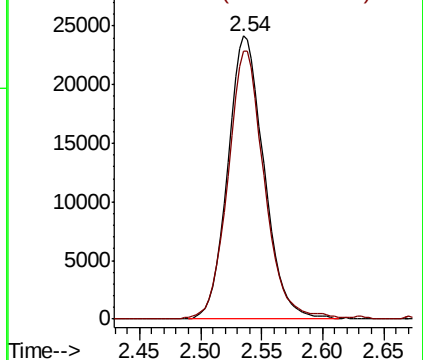
94 100

96 94.1 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.533 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060514.D

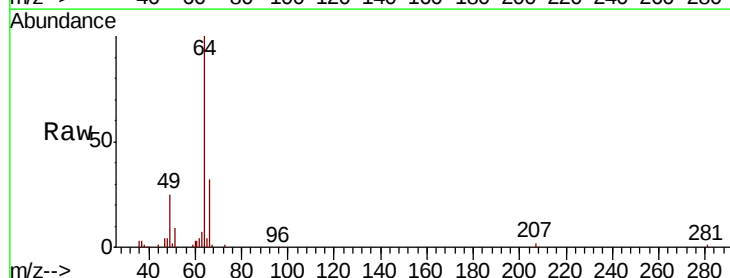
Acq: 16 Mar 2020 11:15

Tgt Ion: 64 Resp: 69497

Ion Ratio Lower Upper

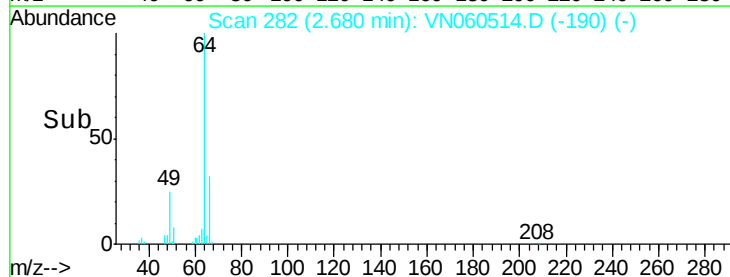
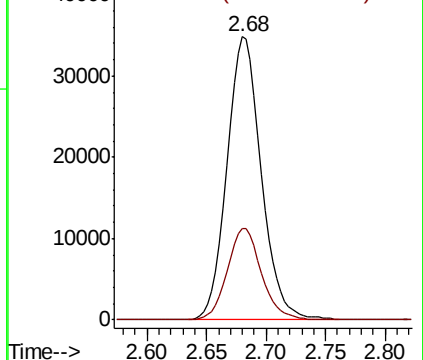
64 100

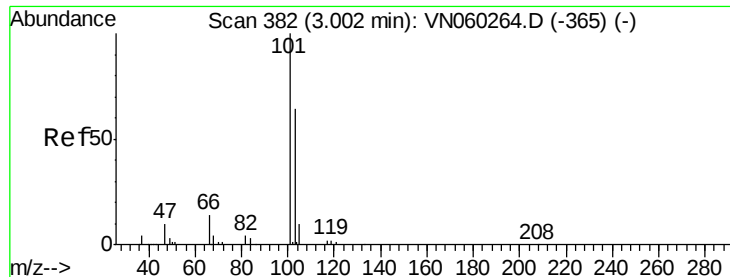
66 32.5 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



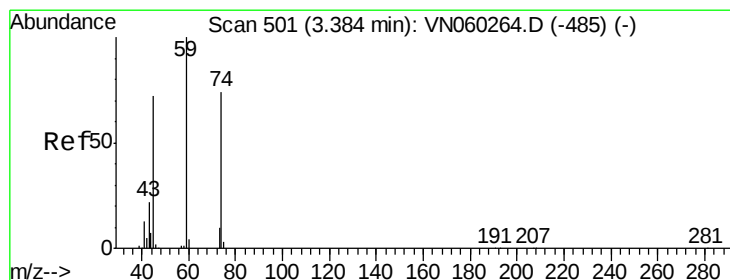
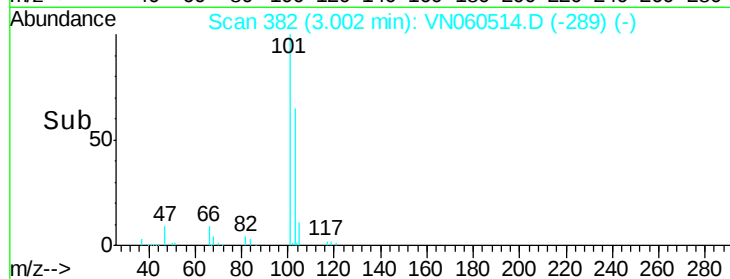
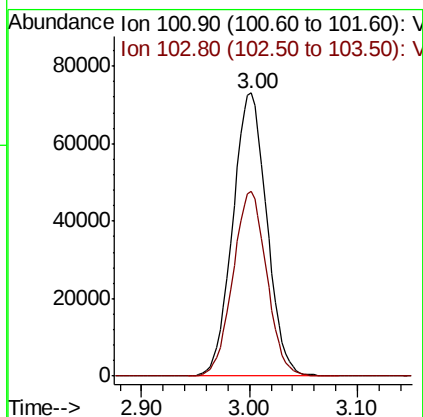
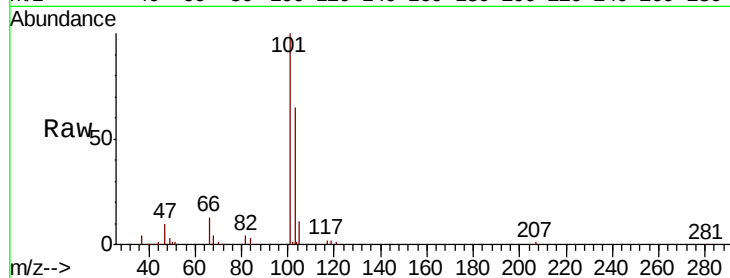


#7

Trichlorofluoromethane
 Concen: 43.725 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

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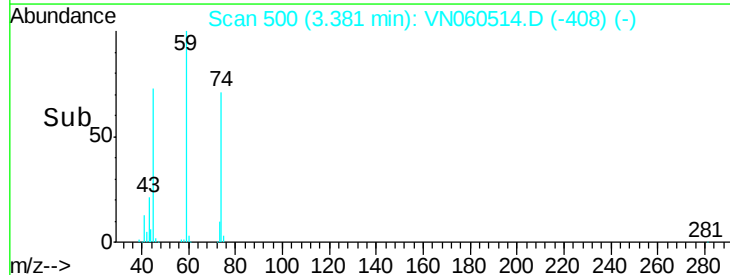
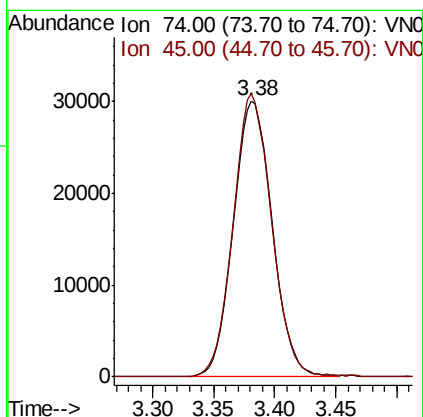
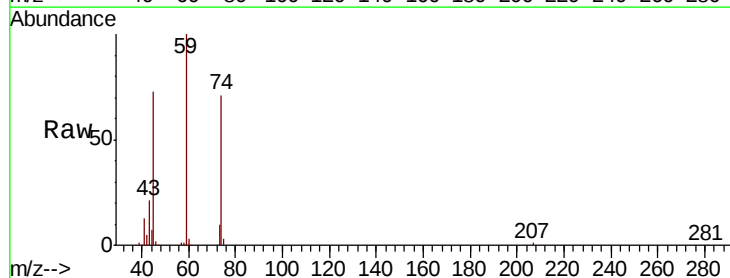
Tot Ion:101 Resp: 160907
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.3 76.9



#8

Diethyl Ether
 Concen: 47.843 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

Tgt Ion: 74 Resp: 66475
 Ion Ratio Lower Upper
 74 100
 45 101.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.601 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

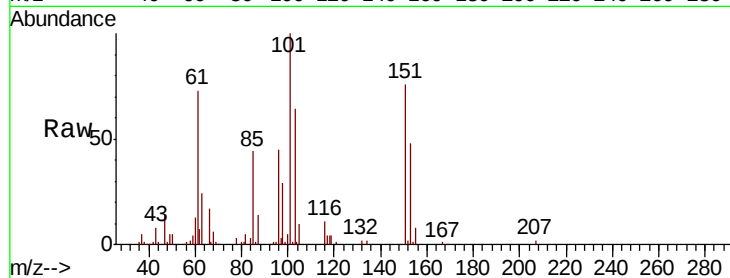
Tot Ion:101 Resp: 99136

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.2

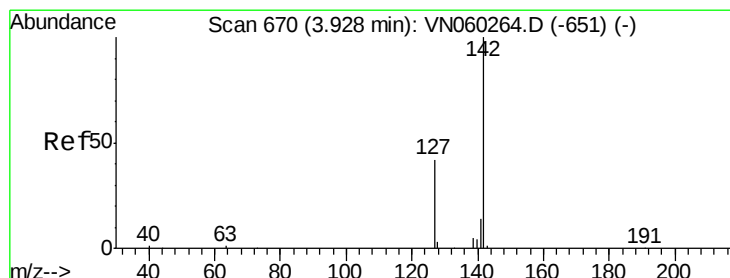
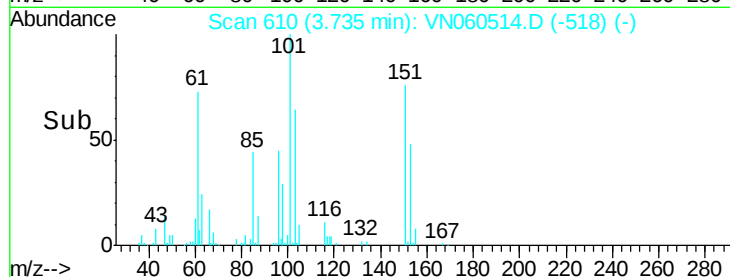
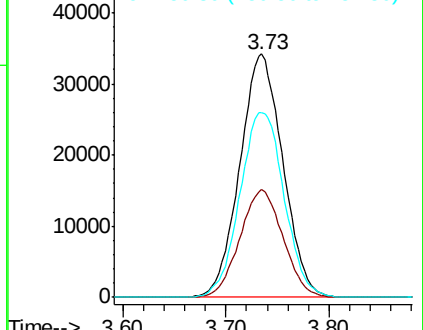
151 78.2 62.0 93.0



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: 38.621 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

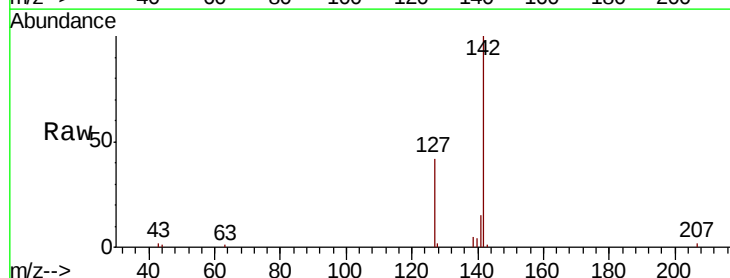
Tgt Ion:142 Resp: 73408

Ion Ratio Lower Upper

142 100

127 41.8 33.8 50.6

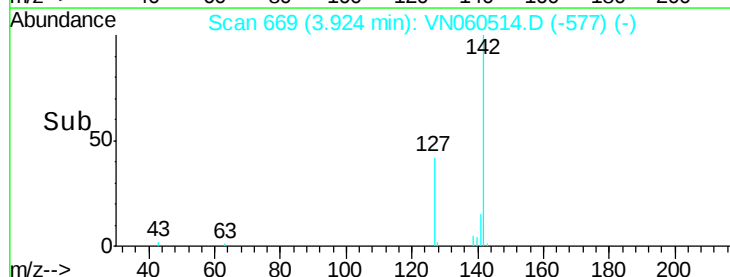
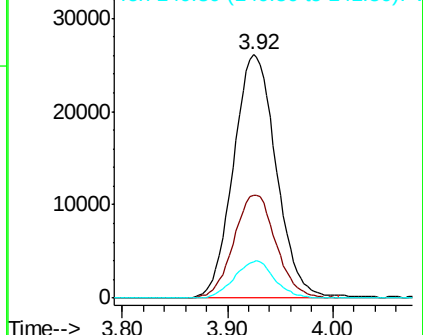
141 14.2 11.1 16.7

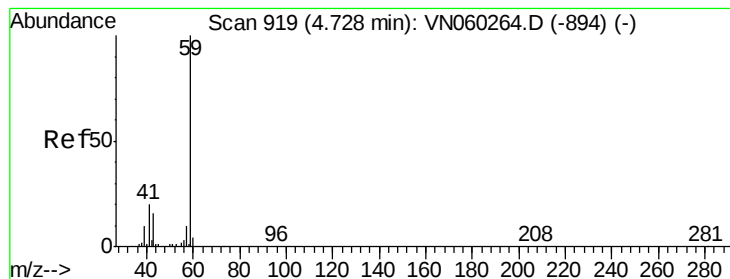


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



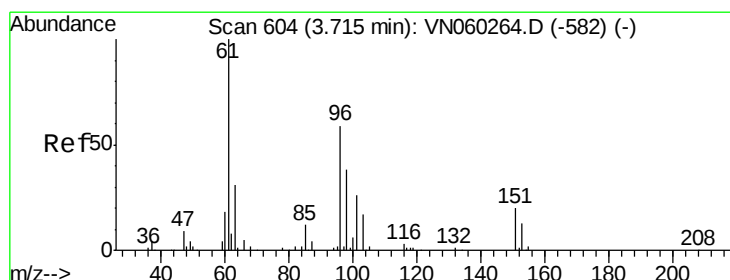
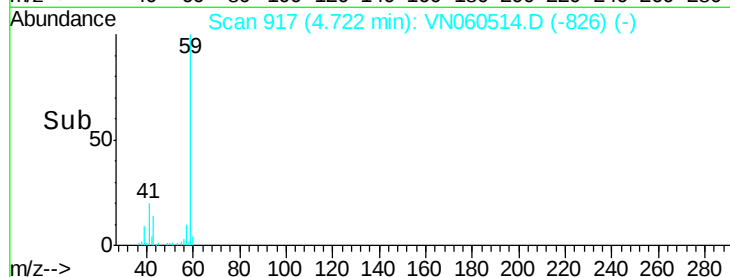
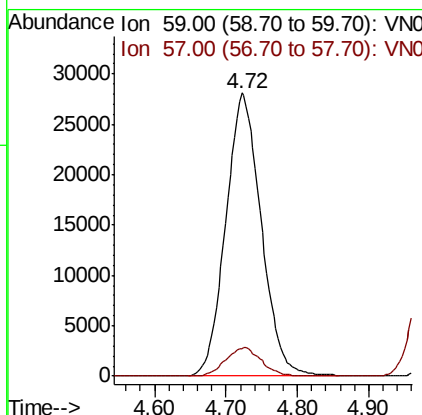
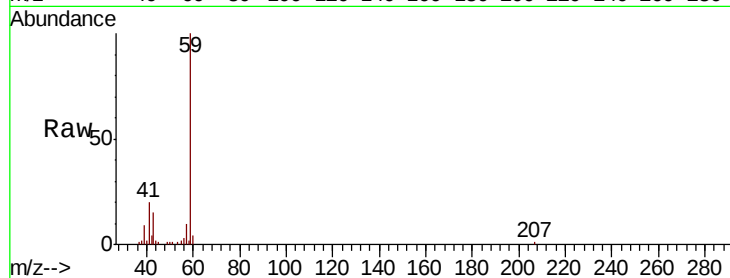


#11

Tert butyl alcohol
 Concen: 242.053 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

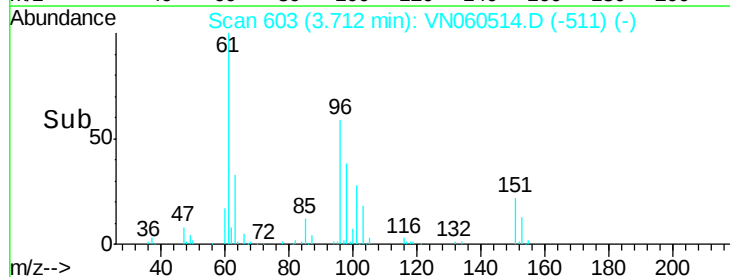
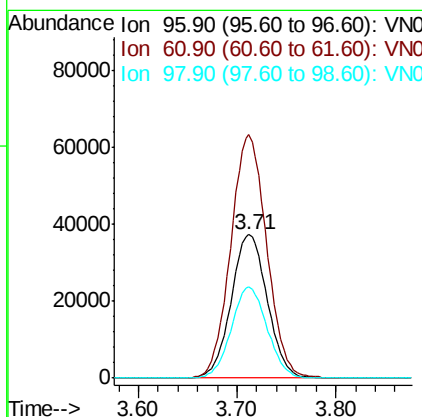
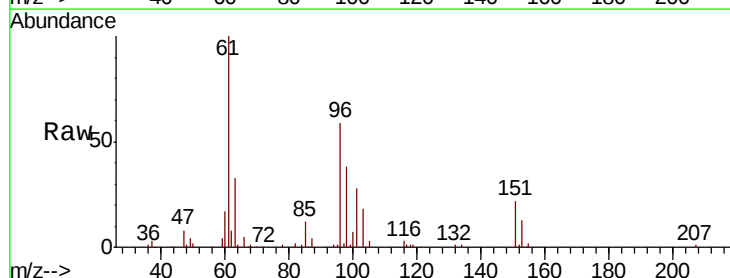
Tot Ion: 59 Resp: 97022
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 47.009 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

Tgt Ion: 96 Resp: 95029
 Ion Ratio Lower Upper
 96 100
 61 170.0 135.4 203.0
 98 64.0 51.6 77.4





#13

Acrolein

Concen: 239.986 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

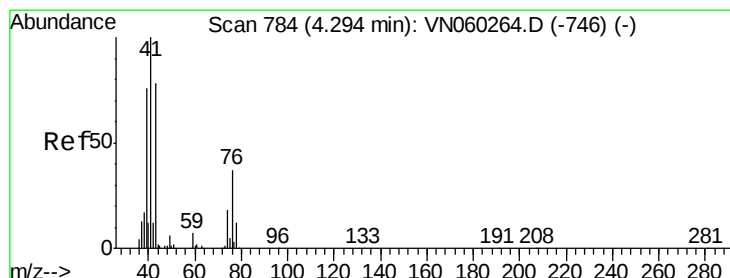
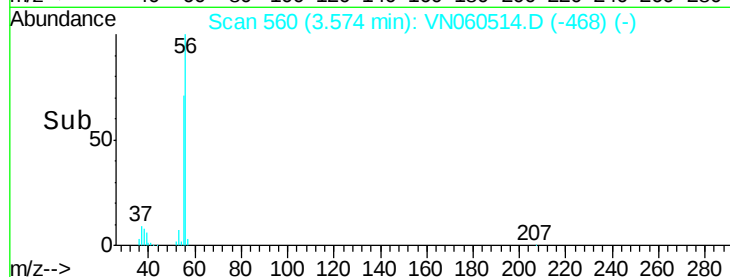
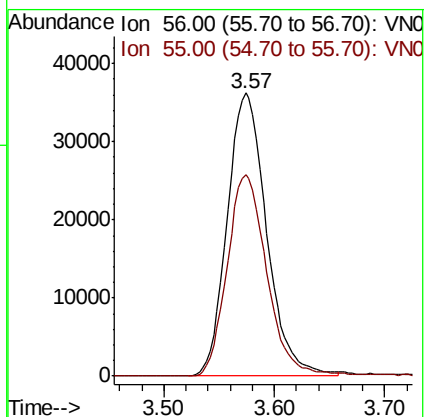
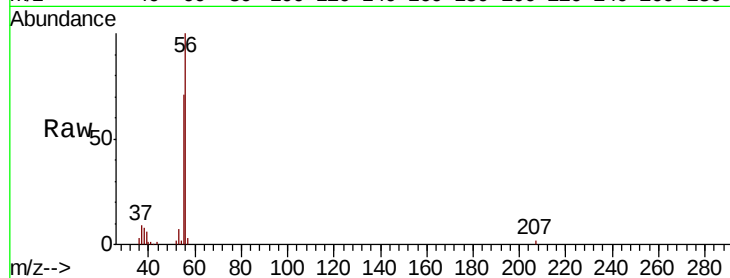
VSTDCCC050

Tot Ion: 56 Resp: 89740

Ion Ratio Lower Upper

56 100

55 71.9 57.4 86.0



#14

Allyl chloride

Concen: 46.141 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

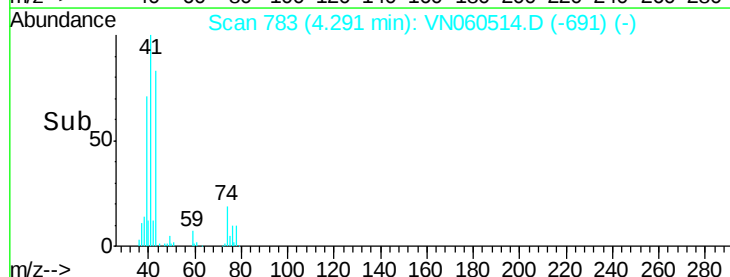
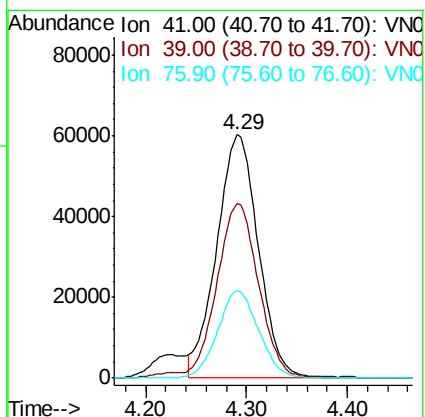
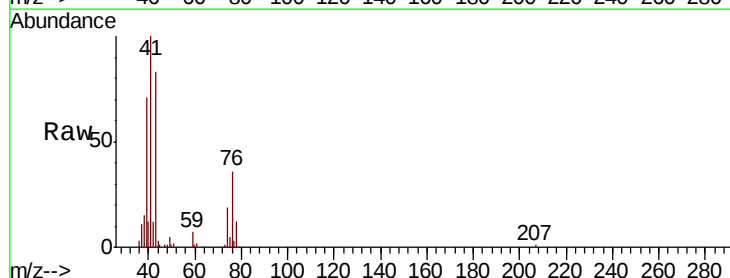
Tgt Ion: 41 Resp: 171964

Ion Ratio Lower Upper

41 100

39 73.5 55.4 83.2

76 35.5 27.0 40.6





#15

Acrylonitrile

Concen: 272.026 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

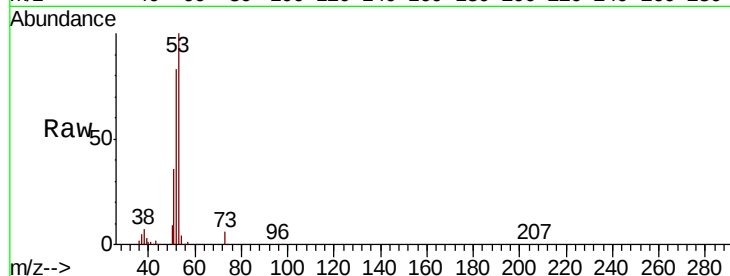
Tot Ion: 53 Resp: 287398

Ion Ratio Lower Upper

53 100

52 82.0 66.8 100.2

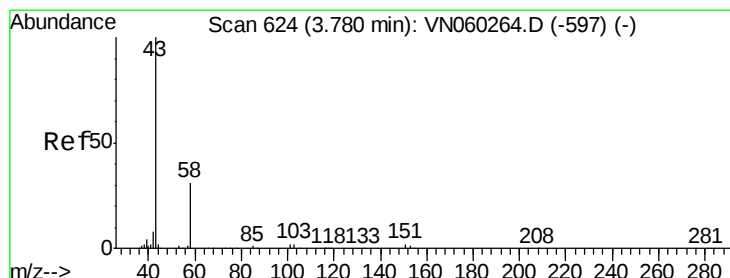
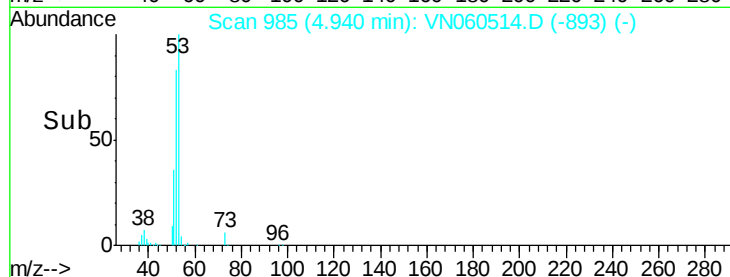
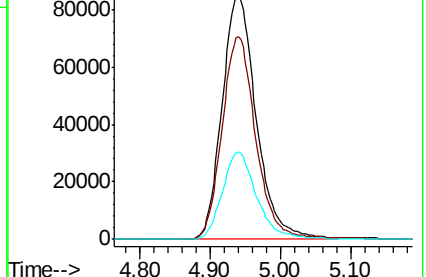
51 36.2 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060514.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060514.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060514.D (-893) (-)



#16

Acetone

Concen: 300.755 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060514.D

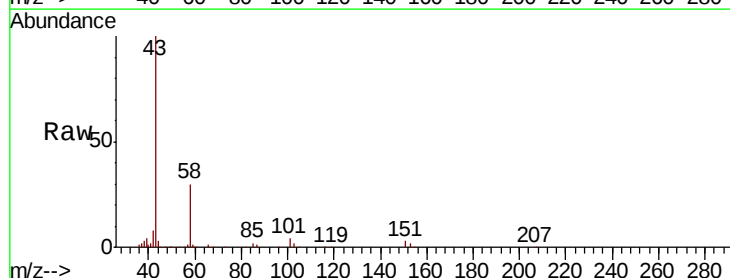
Acq: 16 Mar 2020 11:15

Tgt Ion: 43 Resp: 262176

Ion Ratio Lower Upper

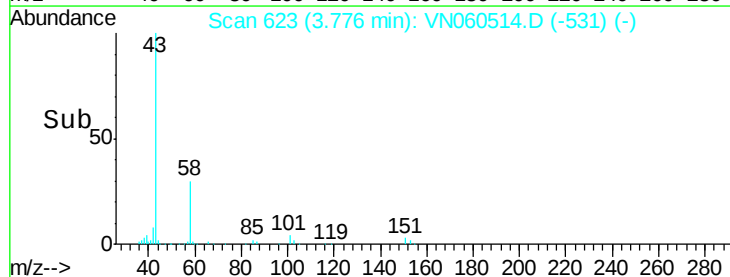
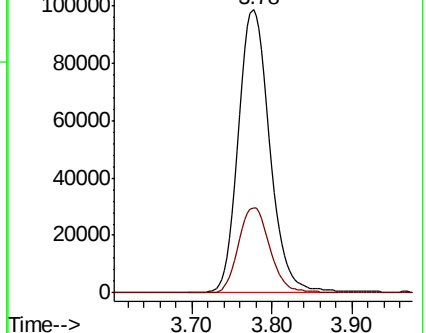
43 100

58 30.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060514.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060514.D (-531) (-)

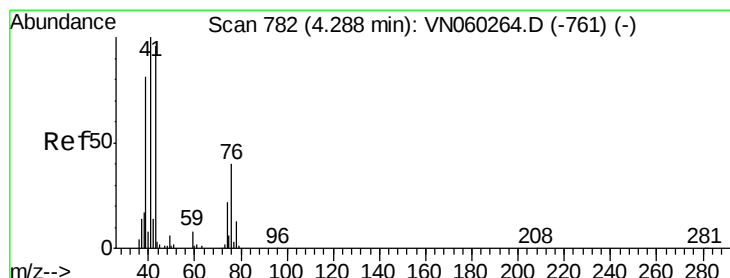
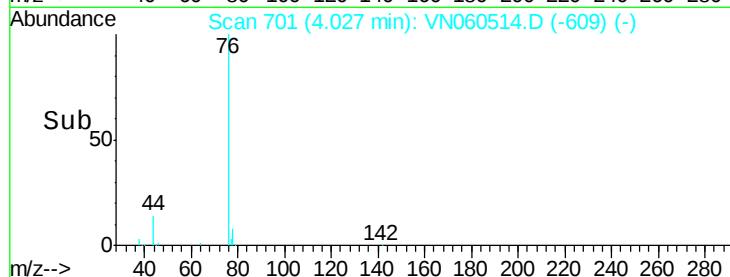
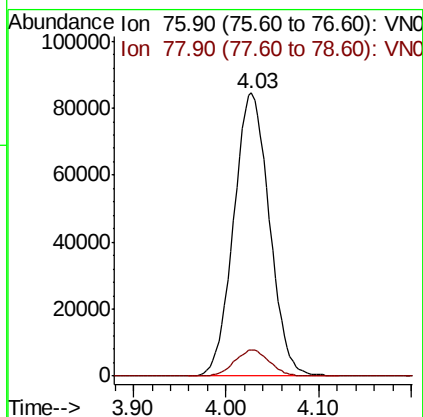
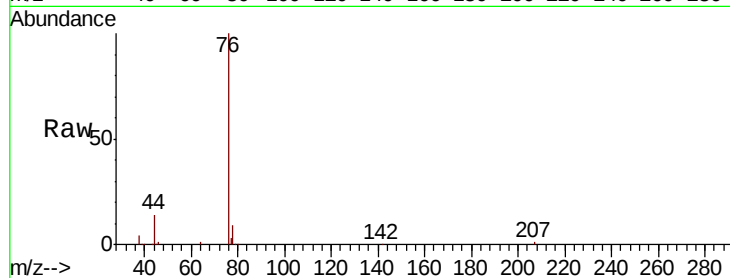




#17
Carbon Disulfide
Concen: 41.986 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

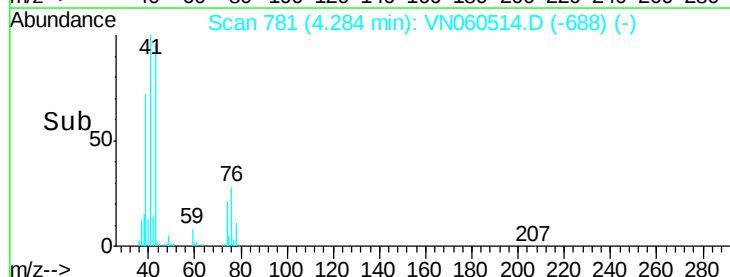
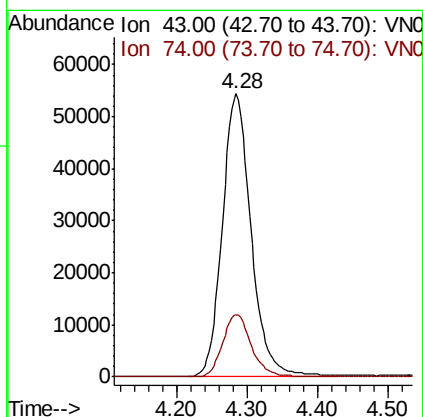
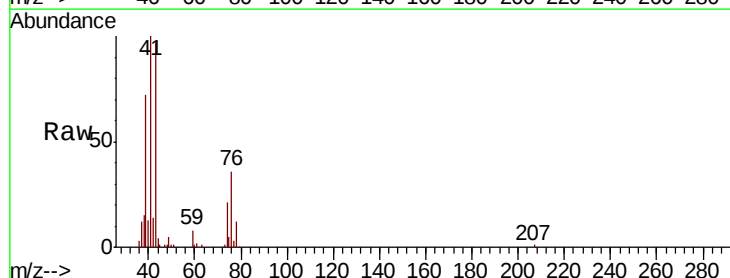
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

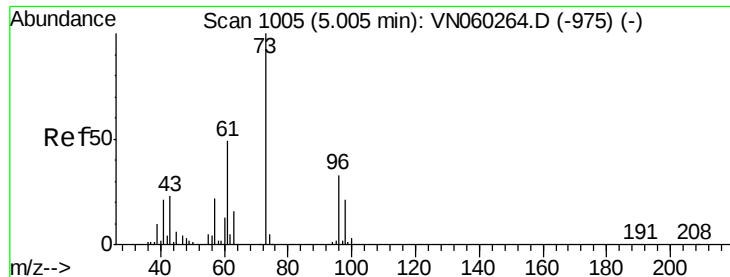
Tot Ion: 76 Resp: 225823
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 52.599 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion: 43 Resp: 153017
Ion Ratio Lower Upper
43 100
74 22.2 18.8 28.2

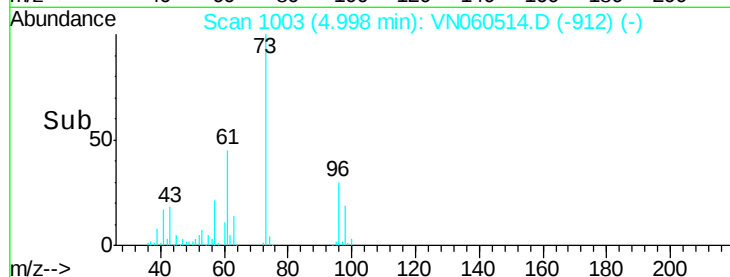
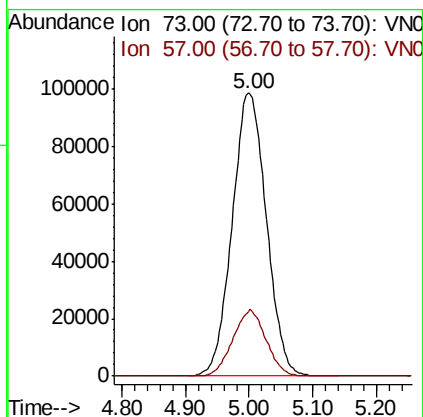
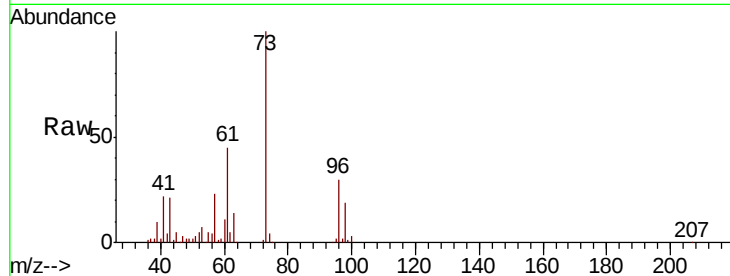




#19
Methvl tert-butvl Ether
Concen: 50.147 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

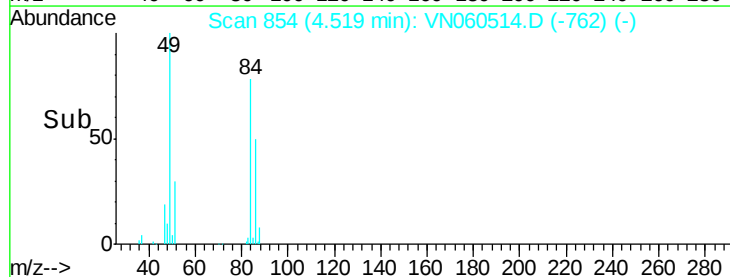
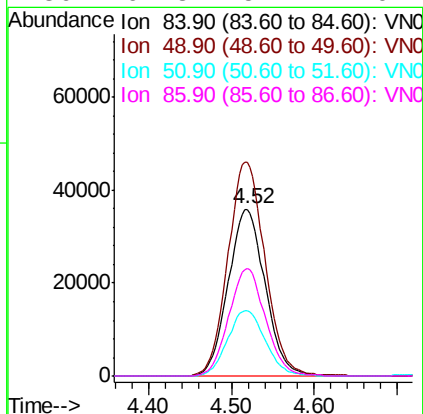
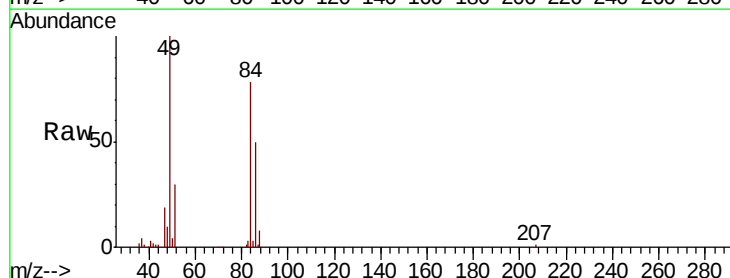
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 368020
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 46.568 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion: 84 Resp: 111485
Ion Ratio Lower Upper
84 100
49 127.8 99.3 148.9
51 38.9 30.1 45.1
86 64.3 51.1 76.7



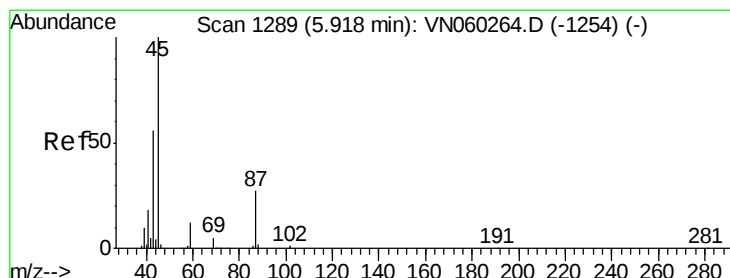
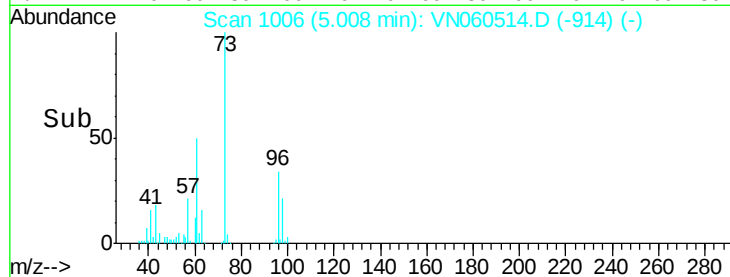
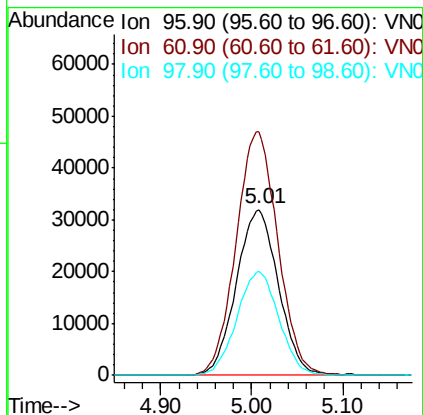
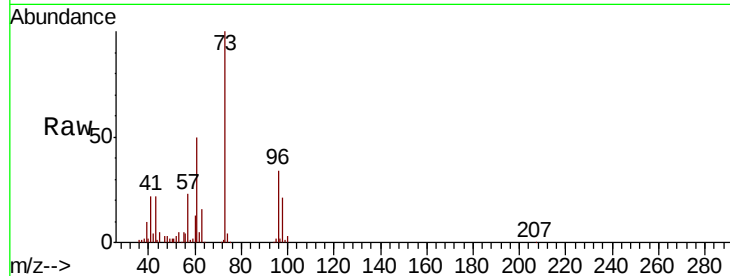


#21

trans-1,2-Dichloroethene
Concen: 47.204 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

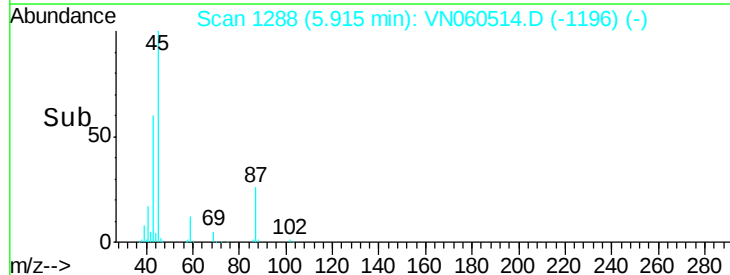
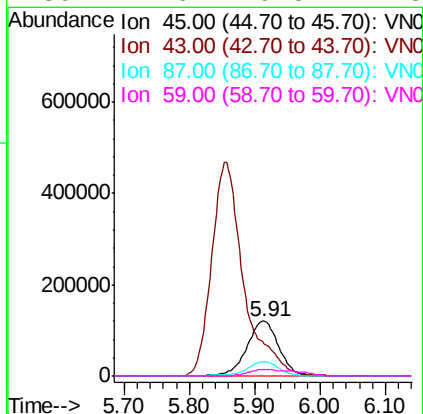
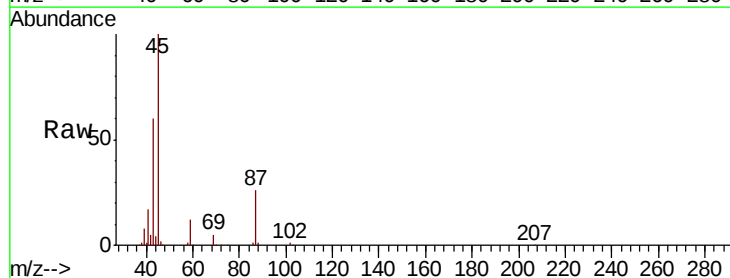
Tot Ion: 96 Resp: 102566
Ion Ratio Lower Upper
96 100
61 146.6 113.8 170.8
98 62.5 48.8 73.2



#22

Diisopropyl ether
Concen: 53.701 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion: 45 Resp: 405403
Ion Ratio Lower Upper
45 100
43 58.7 48.6 72.8
87 25.7 22.2 33.2
59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 265.560 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

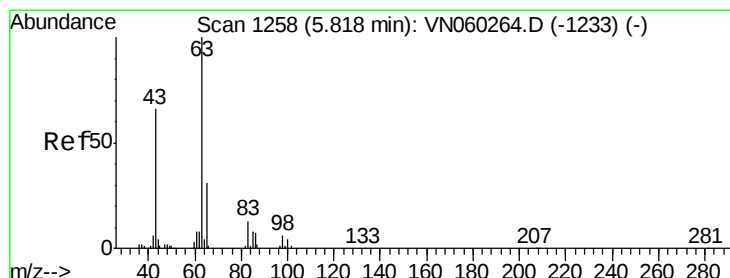
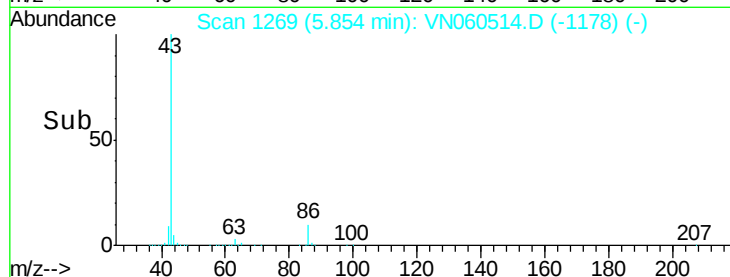
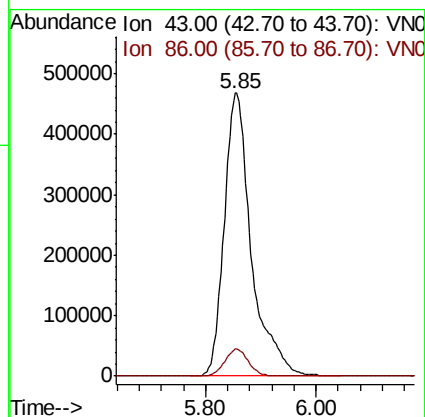
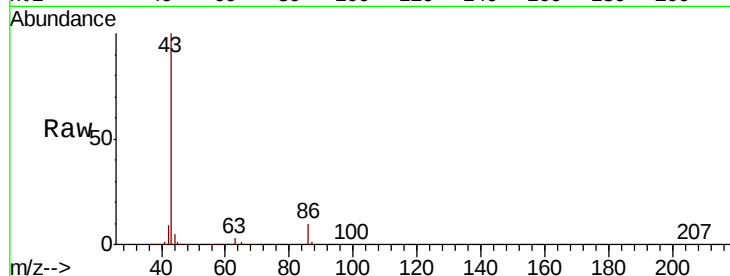
VSTDCCC050

Tot Ion: 43 Resp: 1593050

Ion Ratio Lower Upper

43 100

86 9.5 8.0 12.0



#24

1,1-Dichloroethane

Concen: 50.222 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

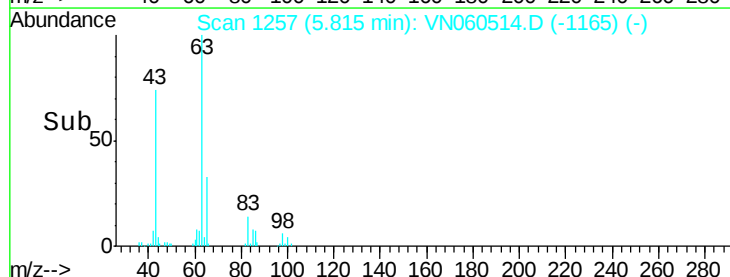
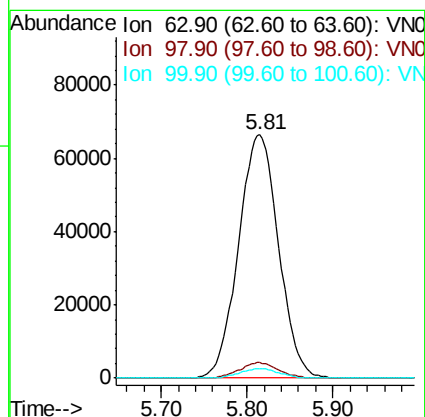
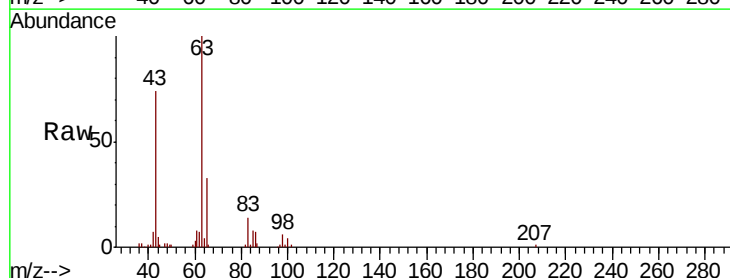
Tgt Ion: 63 Resp: 214615

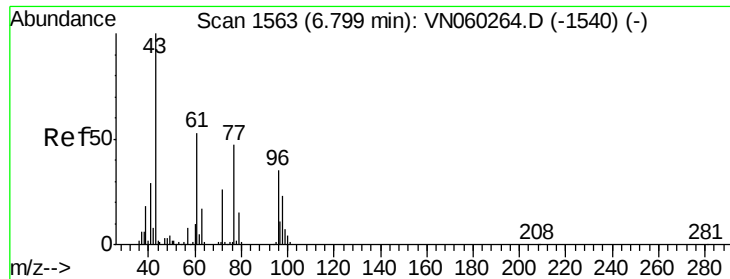
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 286.157 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

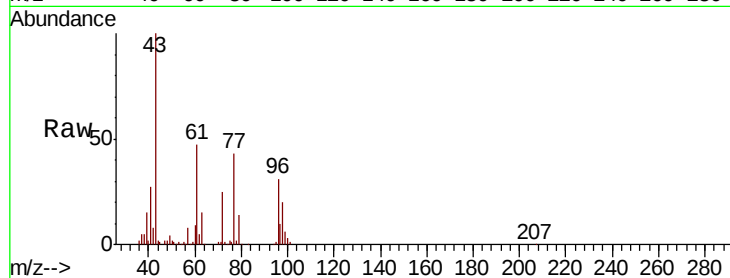
VSTDCCC050

Tot Ion: 43 Resp: 402922

Ion Ratio Lower Upper

43 100

72 25.3 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN060514.D (-1470) (-)

Ion 72.00 (71.70 to 72.70): VN060514.D (-1470) (-)

6.79

150000

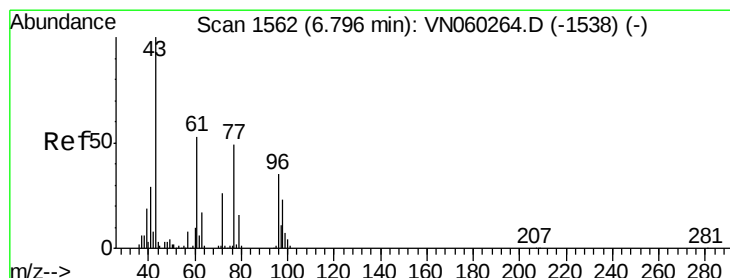
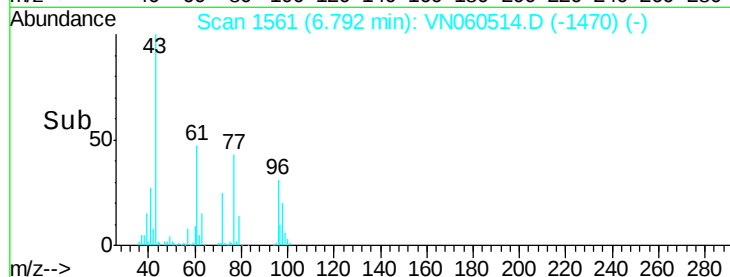
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 49.690 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060514.D

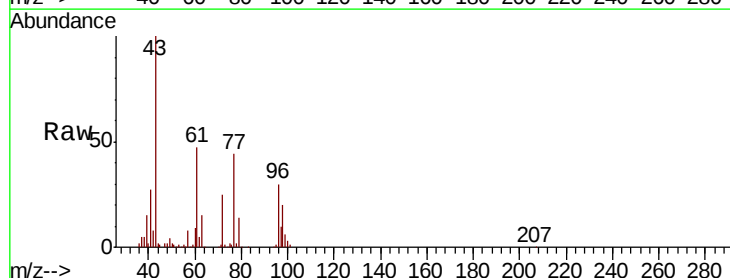
Acq: 16 Mar 2020 11:15

Tgt Ion: 77 Resp: 193313

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN060514.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060514.D (-1469) (-)

6.79

60000

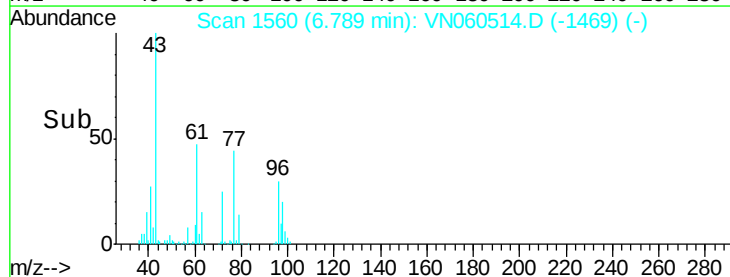
40000

20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 45.723 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

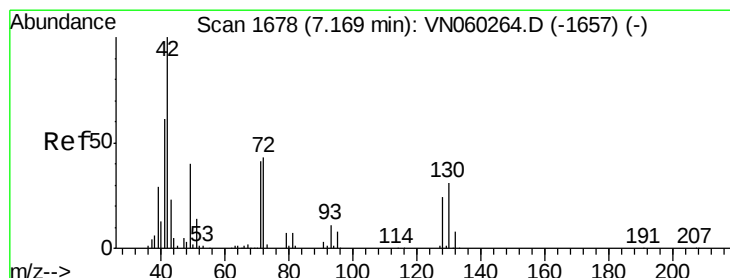
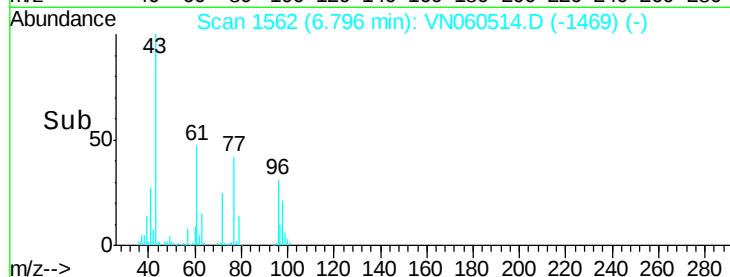
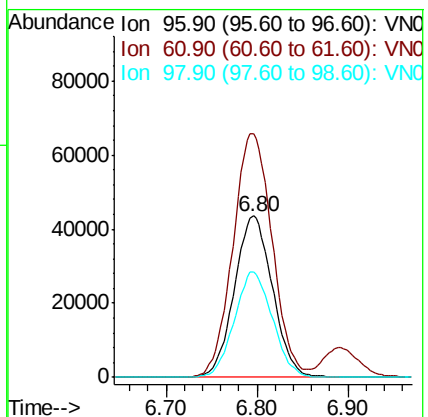
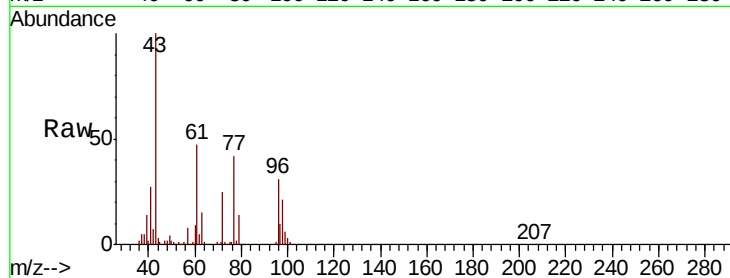
Tot Ion: 96 Resp: 126928

Ion Ratio Lower Upper

96 100

61 155.6 0.0 300.8

98 65.2 0.0 128.2



#28

Bromochloromethane

Concen: 52.254 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

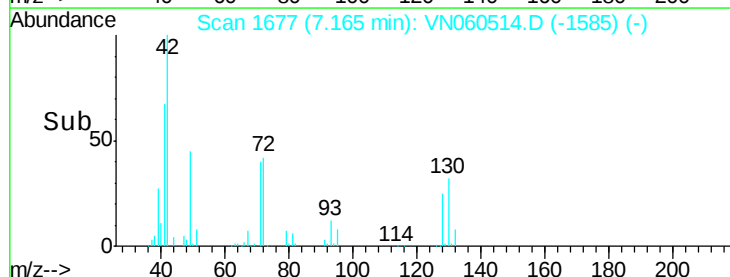
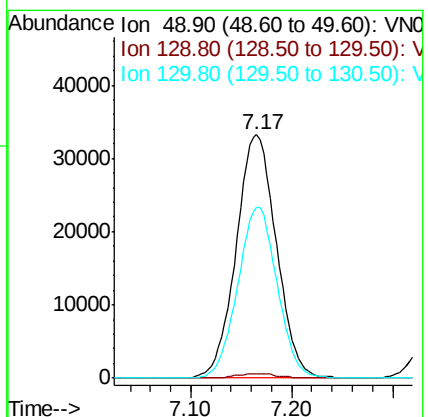
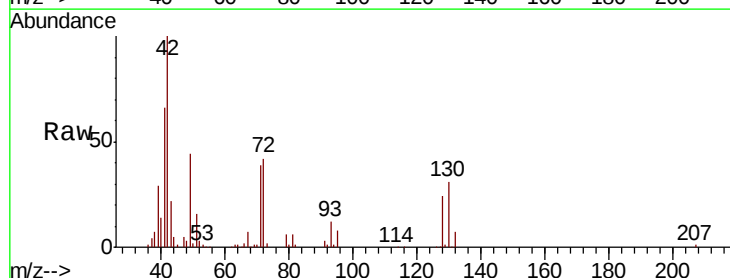
Tgt Ion: 49 Resp: 91681

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

130 68.9 59.8 89.8





#29

Tetrahydrofuran

Concen: 260.919 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

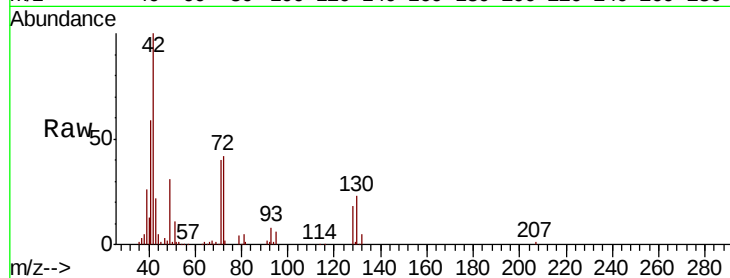
Tot Ion: 42 Resp: 255472

Ion Ratio Lower Upper

42 100

72 41.5 34.6 52.0

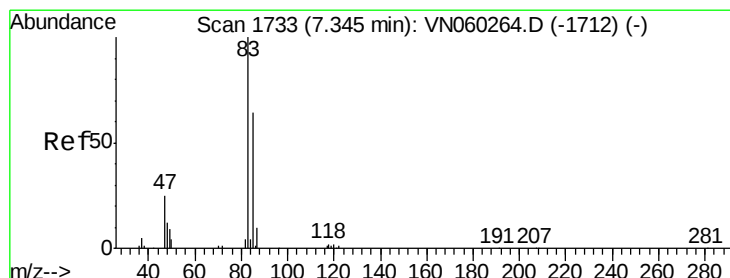
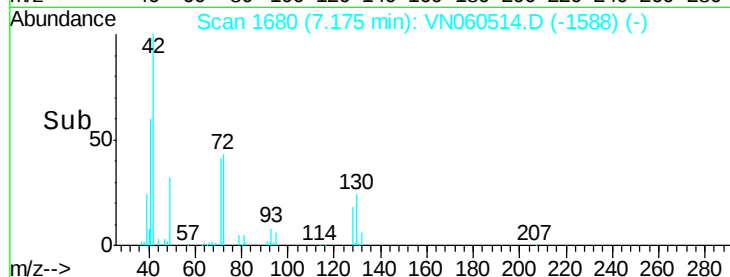
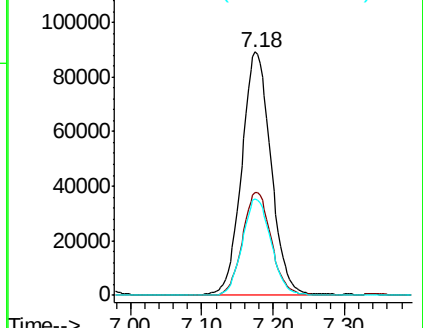
71 38.8 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060514.D (-1588) (-)

Ion 72.00 (71.70 to 72.70): VN060514.D (-1588) (-)

Ion 71.00 (70.70 to 71.70): VN060514.D (-1588) (-)



#30

Chloroform

Concen: 49.964 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060514.D

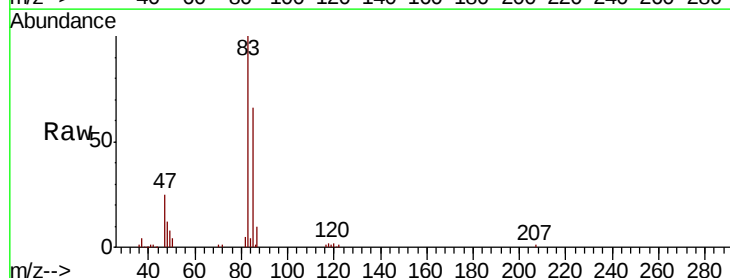
Acq: 16 Mar 2020 11:15

Tgt Ion: 83 Resp: 212548

Ion Ratio Lower Upper

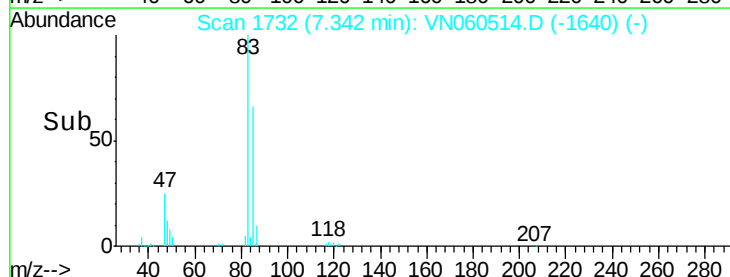
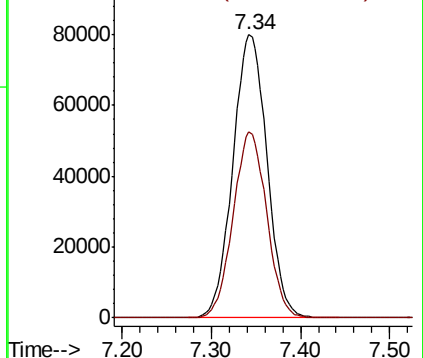
83 100

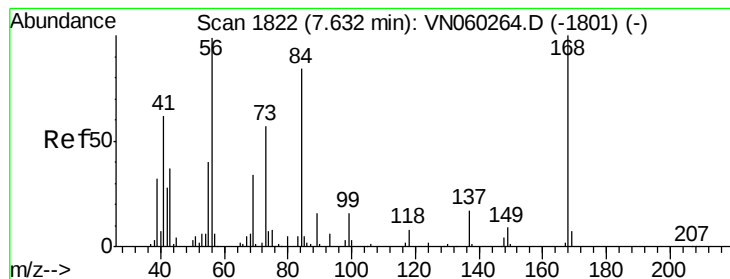
85 65.9 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060514.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060514.D (-1640) (-)





#31

Cyclohexane

Concen: 48.790 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

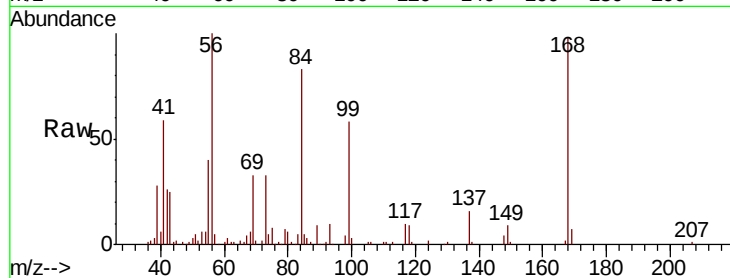
Tot Ion: 56 Resp: 178040

Ion Ratio Lower Upper

56 100

69 33.2 27.2 40.8

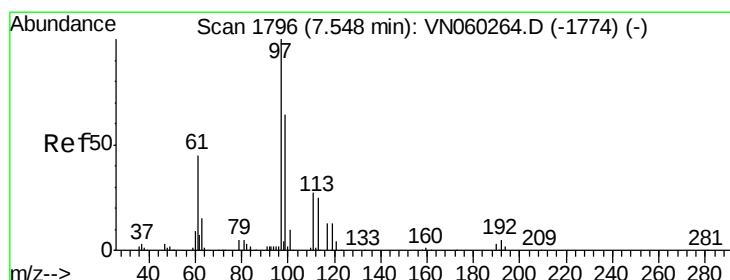
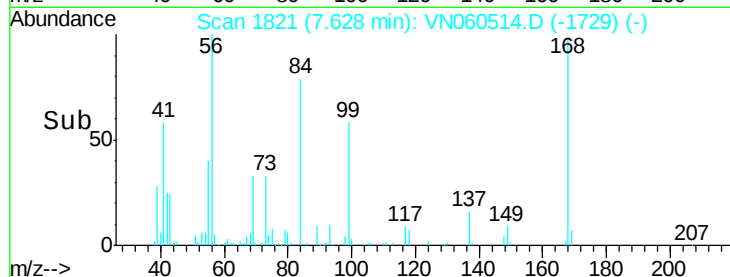
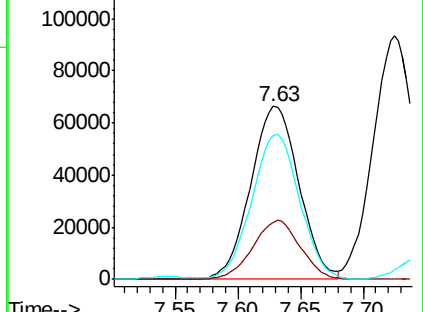
84 82.4 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060514.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060514.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060514.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 47.985 ug/l

RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

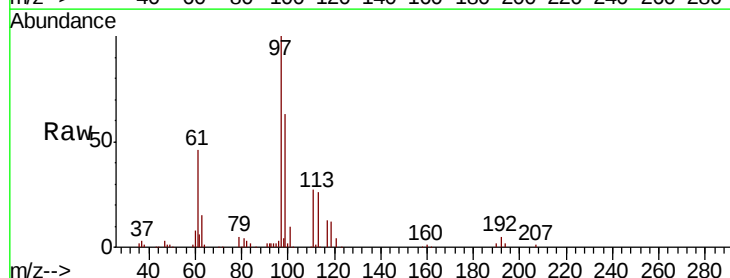
Tgt Ion: 97 Resp: 180859

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

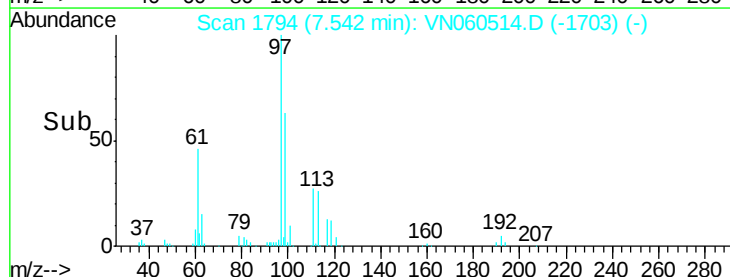
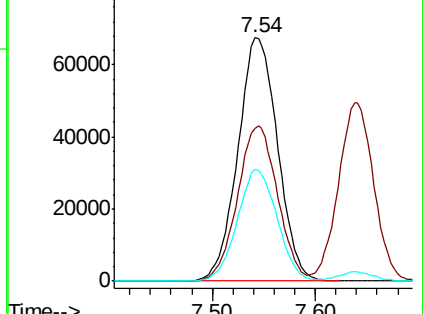
61 45.8 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN060514.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060514.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060514.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.693 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

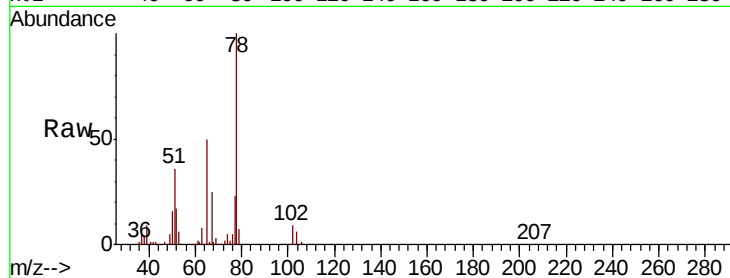
VSTDCCC050

Tot Ion: 65 Resp: 131442

Ion Ratio Lower Upper

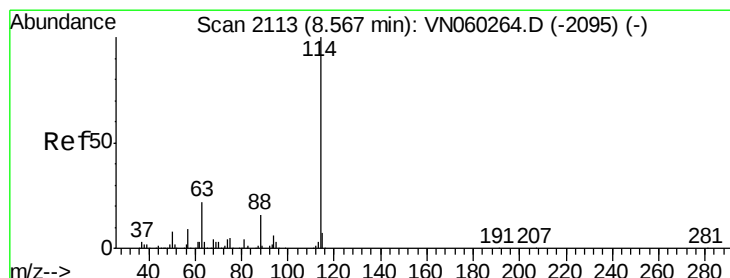
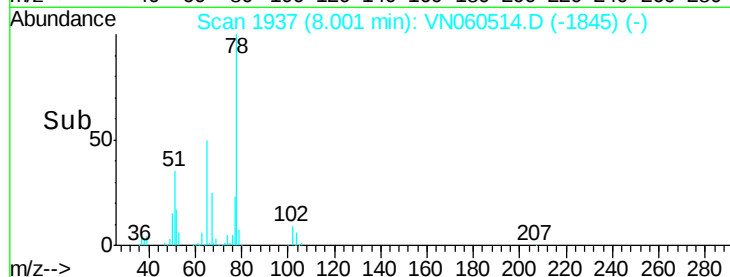
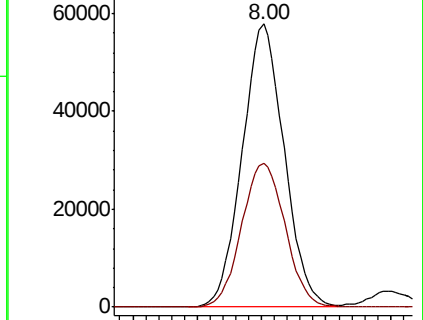
65 100

67 52.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060514.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060514.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

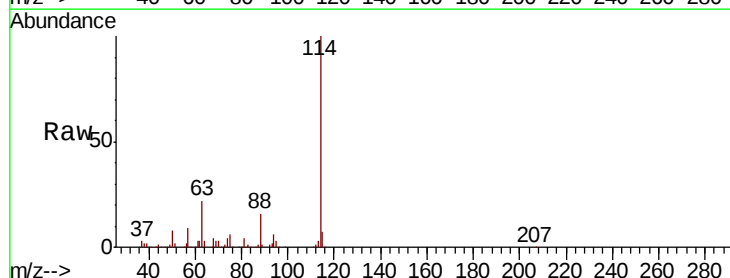
Tgt Ion: 114 Resp: 342574

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

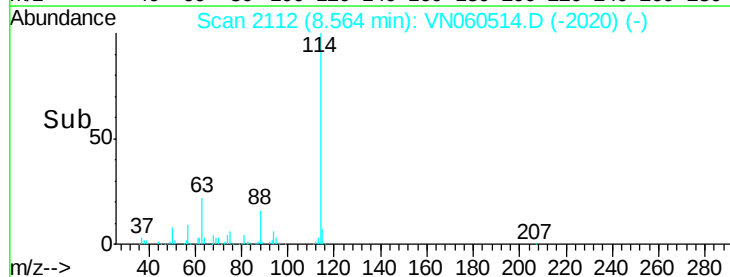
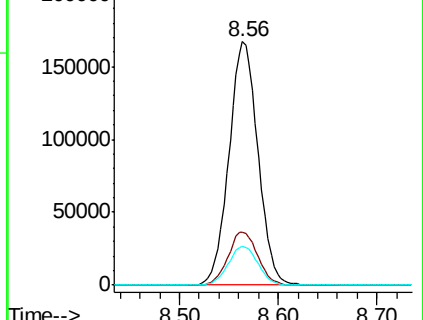
88 15.9 0.0 31.6

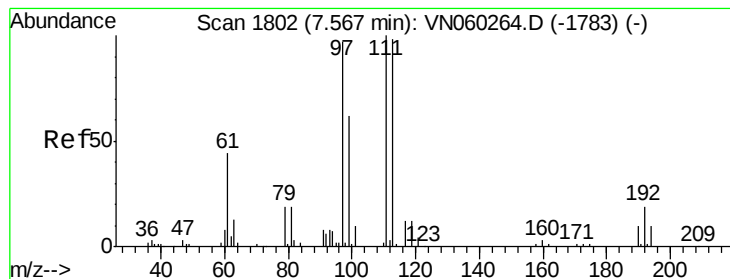


Abundance Ion 113.90 (113.60 to 114.60): VN060514.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060514.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060514.D (-2020) (-)





#35

Dibromofluoromethane

Concen: 63.151 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

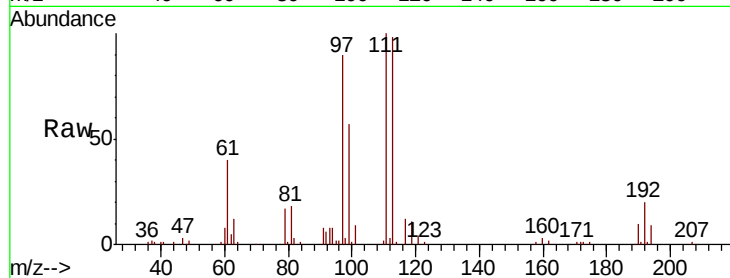
Tot Ion:113 Resp: 100417

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 19.8 16.2 24.2

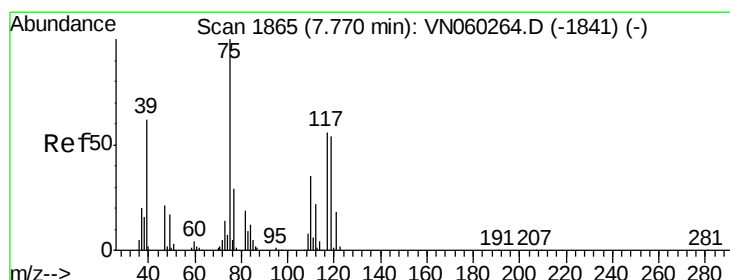
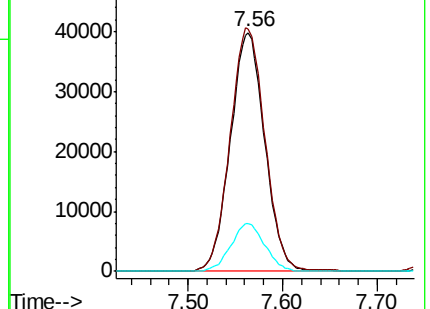
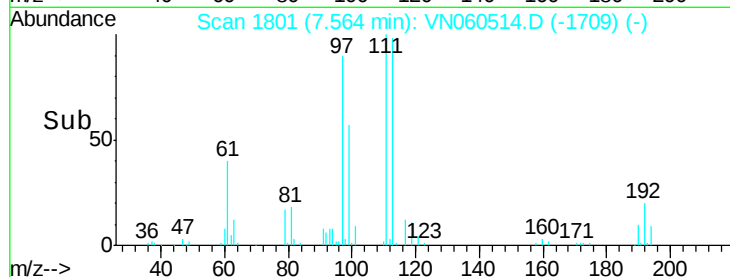


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



#36

1,1-Dichloropropene

Concen: 46.483 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

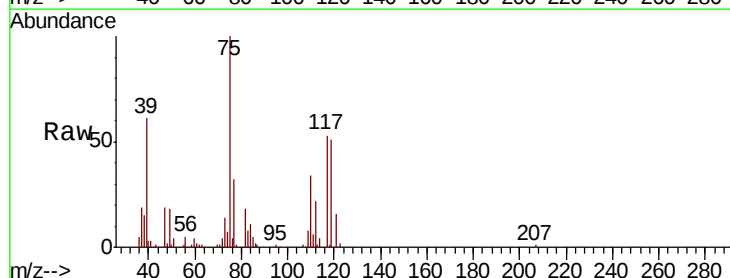
Tgt Ion: 75 Resp: 151762

Ion Ratio Lower Upper

75 100

110 34.3 17.3 52.0

77 31.4 24.2 36.2

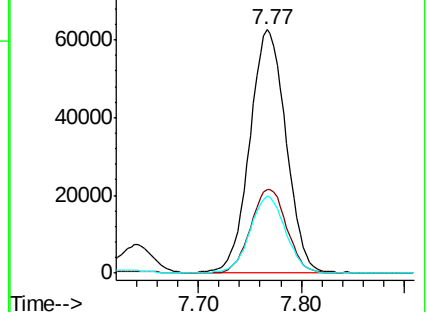
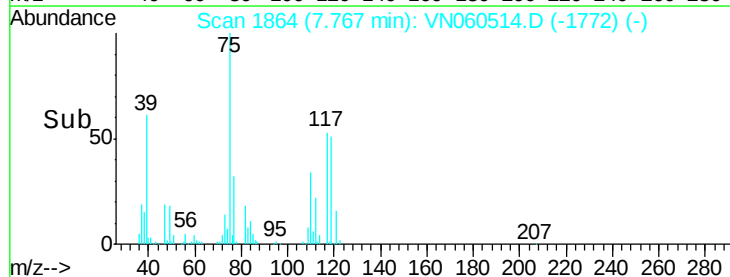


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

Time-->

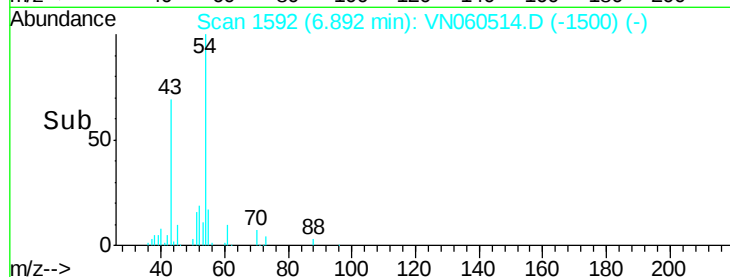
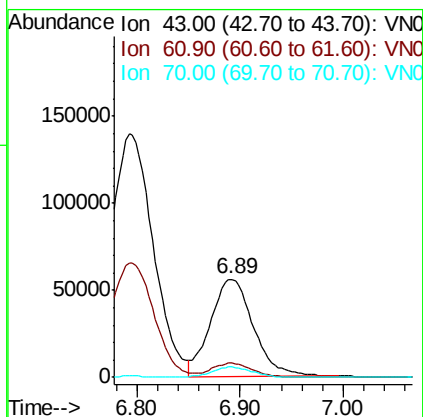
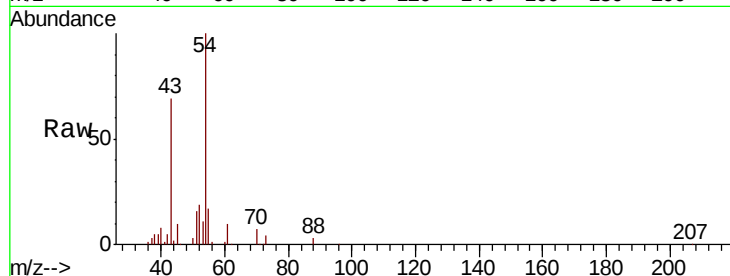




#37
Ethyl Acetate
Concen: 52.621 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

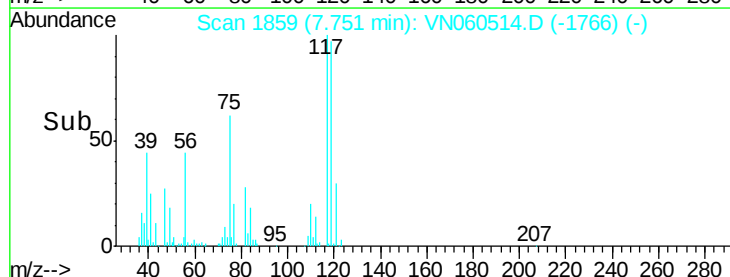
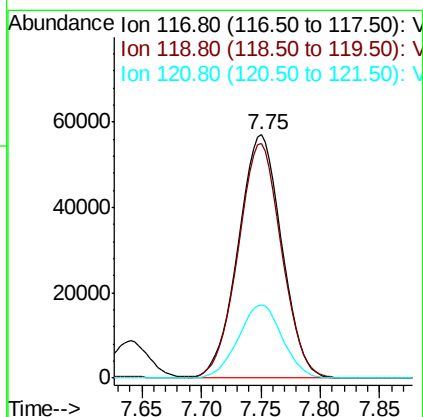
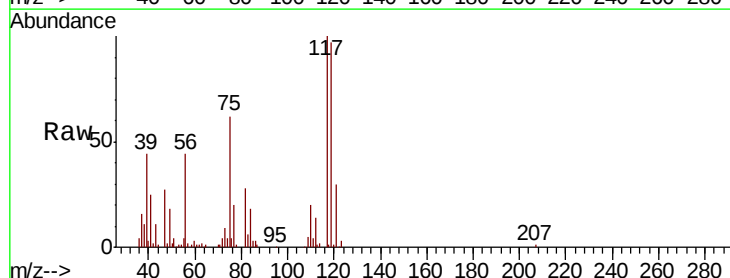
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

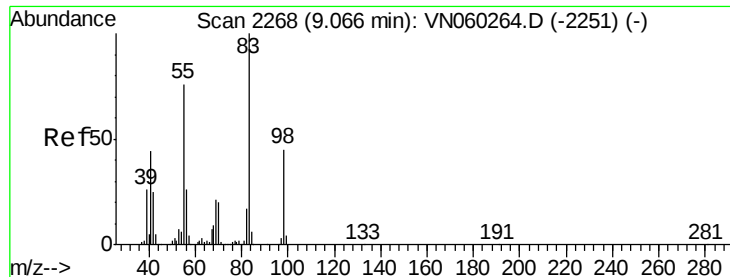
Tot Ion: 43 Resp: 162677
Ion Ratio Lower Upper
43 100
61 13.9 11.1 16.7
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 45.411 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion: 117 Resp: 144350
Ion Ratio Lower Upper
117 100
119 96.6 76.7 115.1
121 30.2 24.5 36.7

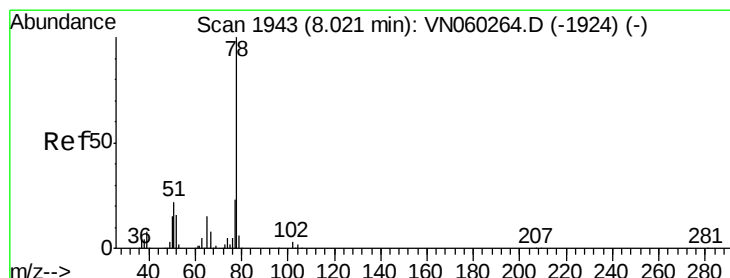
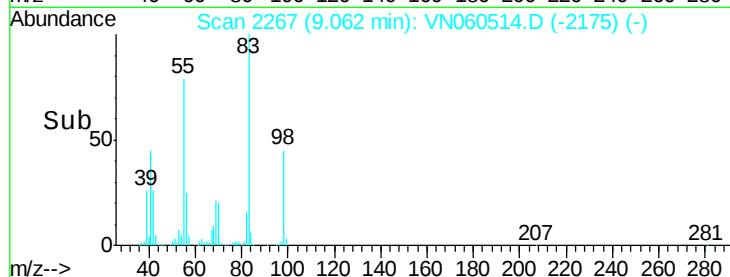
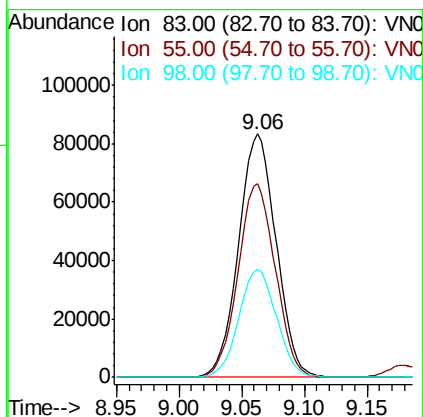
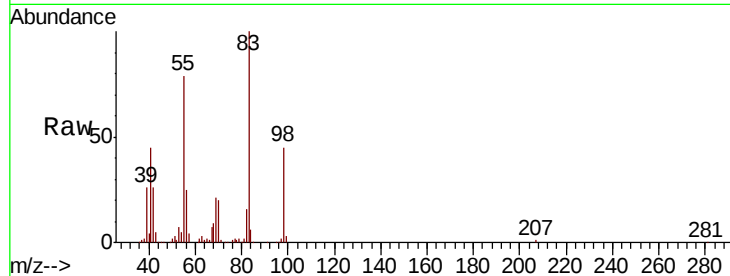




#39
Methvlcvclohexane
Concen: 44.990 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

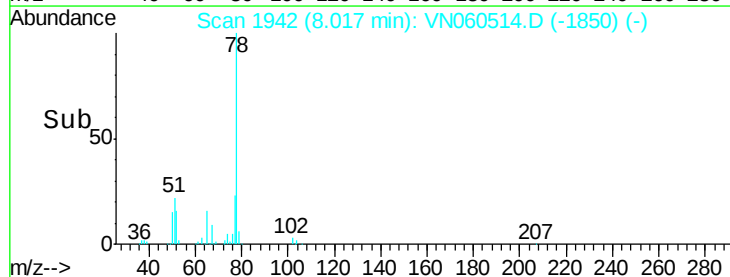
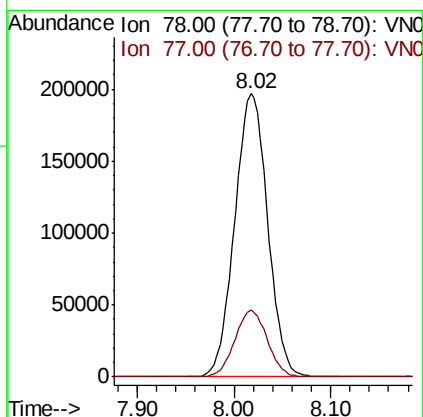
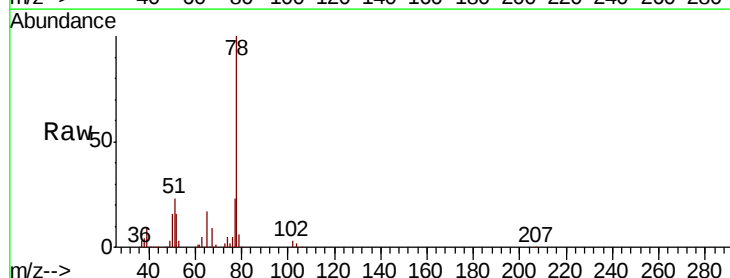
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 173190
Ion Ratio Lower Upper
83 100
55 79.3 61.0 91.4
98 44.5 36.1 54.1



#40
Benzene
Concen: 49.104 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion: 78 Resp: 466623
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

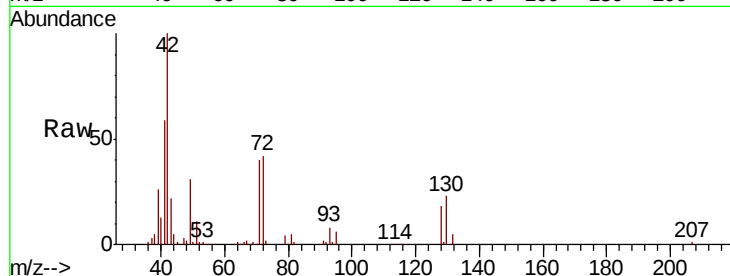




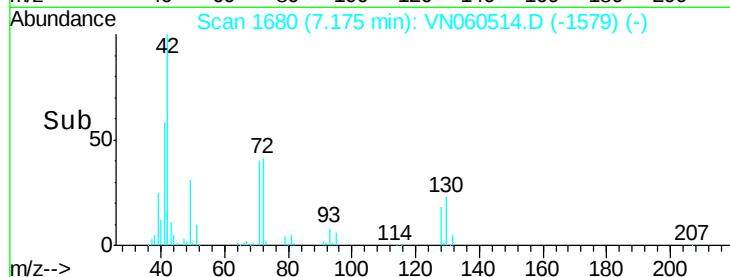
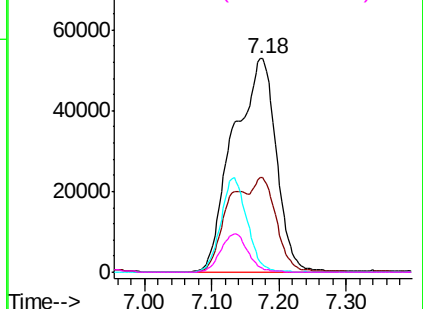
#41
Methacrylonitrile
Concen: 164.717 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	235123
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

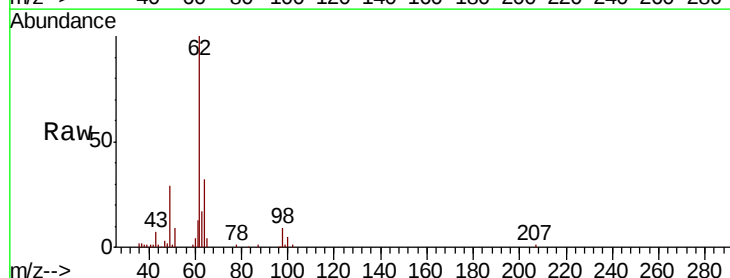


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

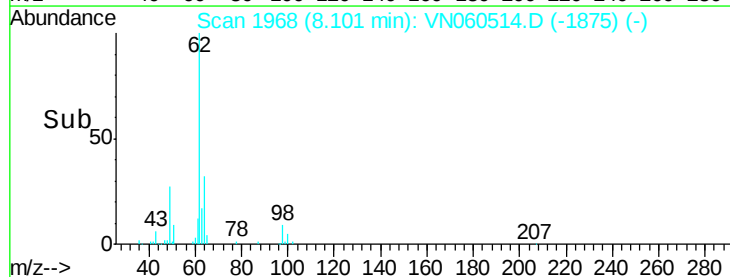
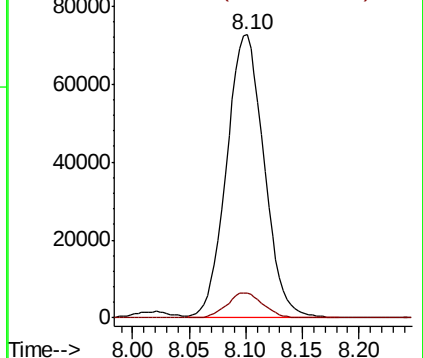


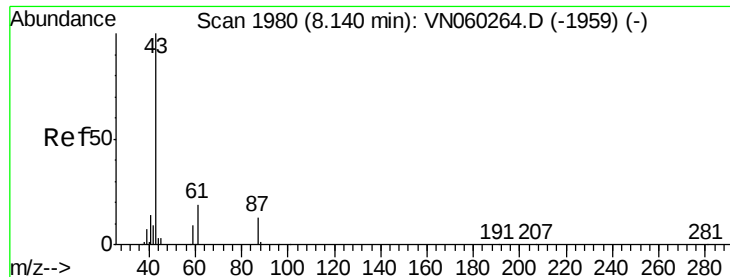
#42
1,2-Dichloroethane
Concen: 48.856 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion:	62	Resp:	167533
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 52.925 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

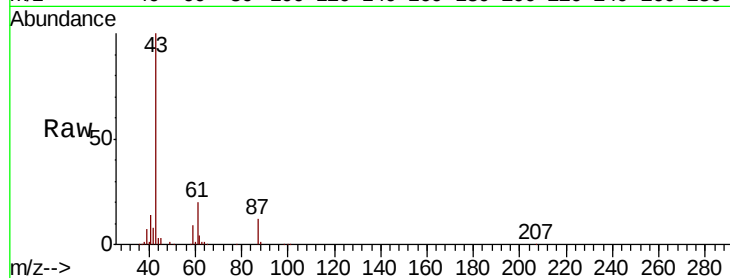
Tot Ion: 43 Resp: 286434

Ion Ratio Lower Upper

43 100

61 25.9 20.9 31.3

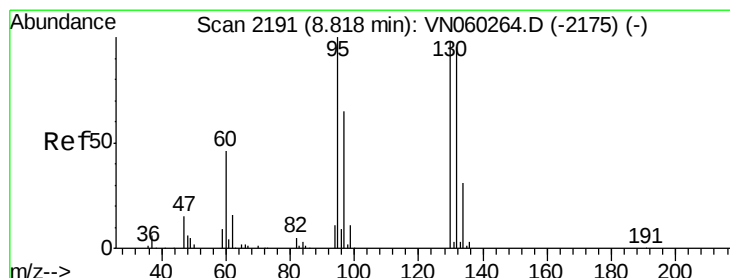
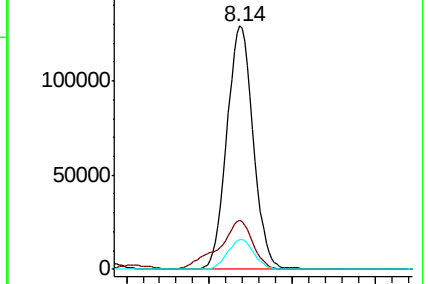
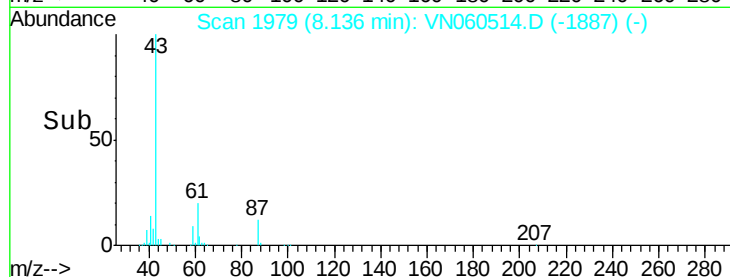
87 12.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060514.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060514.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060514.D (-1887) (-)



#44

Trichloroethene

Concen: 46.016 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060514.D

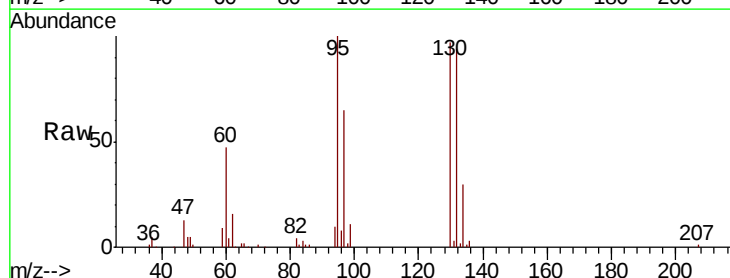
Acq: 16 Mar 2020 11:15

Tgt Ion: 130 Resp: 121785

Ion Ratio Lower Upper

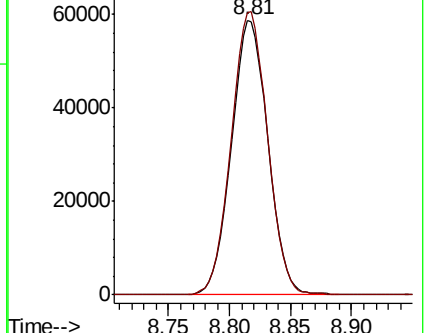
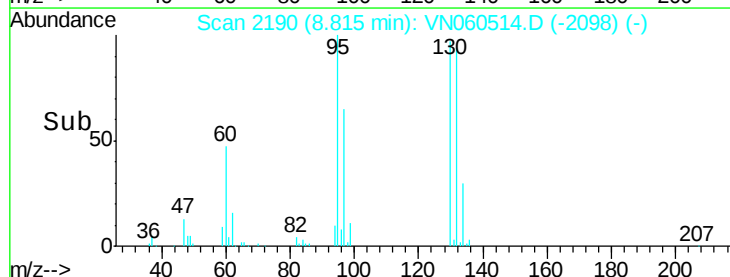
130 100

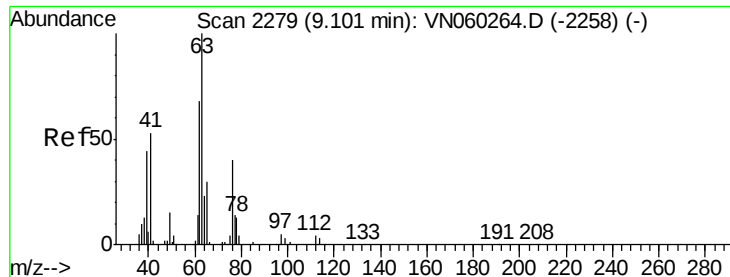
95 102.8 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060514.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060514.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 53.509 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

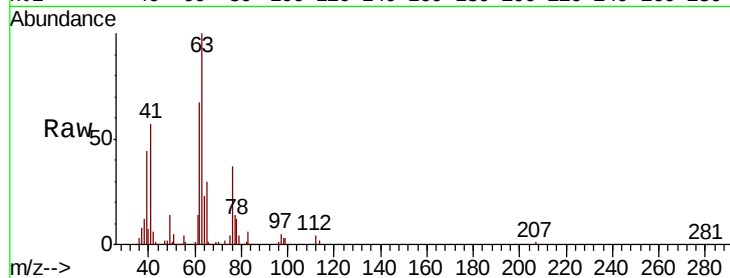
VSTDCCC050

Tot Ion: 63 Resp: 132943

Ion Ratio Lower Upper

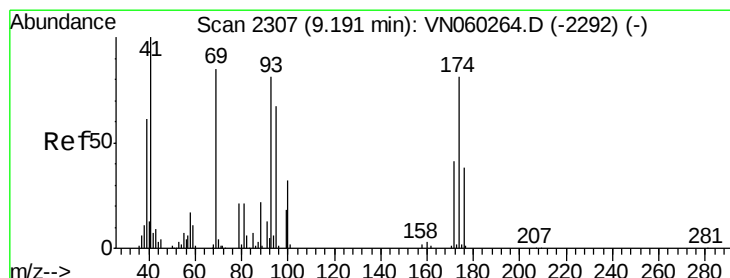
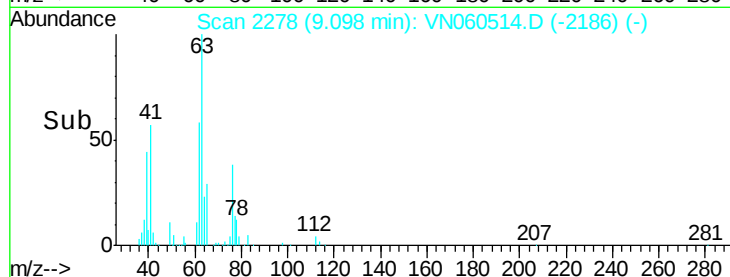
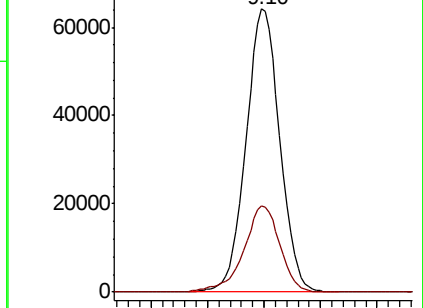
63 100

65 30.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060514.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060514.D (-2186) (-)



#46

Dibromomethane

Concen: 49.185 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

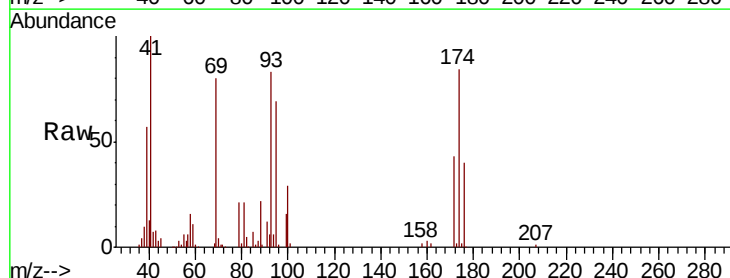
Tgt Ion: 93 Resp: 79292

Ion Ratio Lower Upper

93 100

95 82.4 65.9 98.9

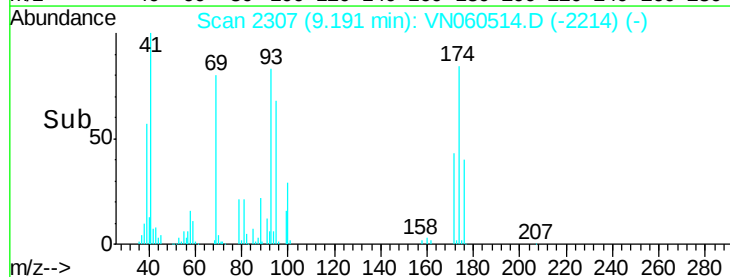
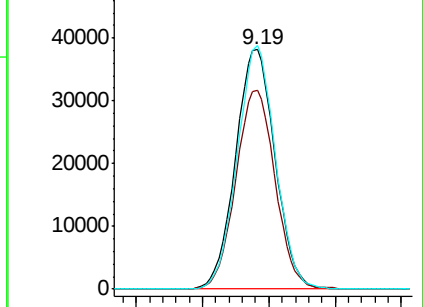
174 97.7 79.6 119.4

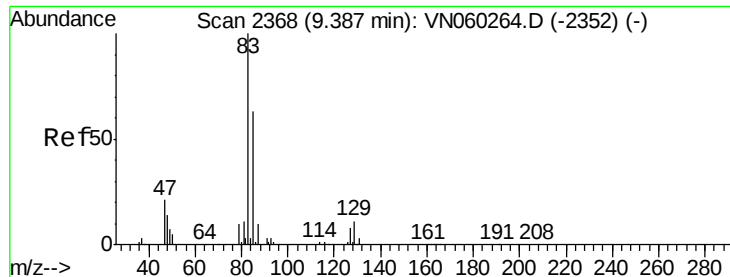


Abundance Ion 92.80 (92.50 to 93.50): VN060514.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060514.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060514.D (-2214) (-)





#47

Bromodichloromethane

Concen: 51.920 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

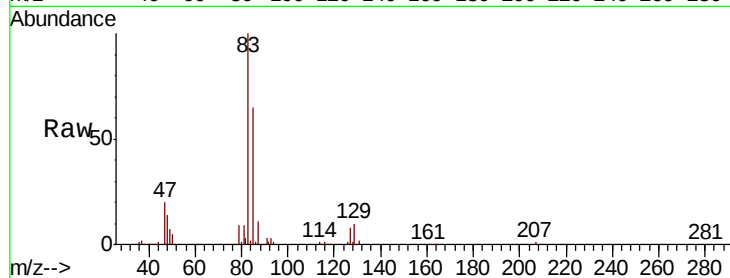
Tot Ion: 83 Resp: 170235

Ion Ratio Lower Upper

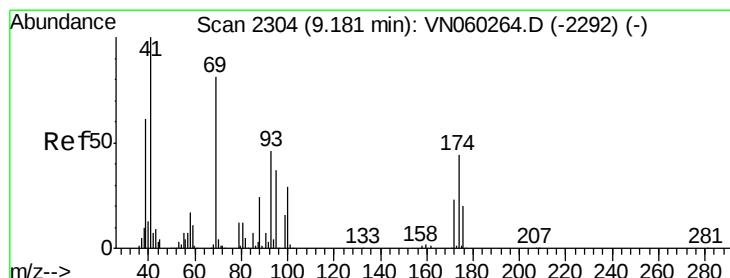
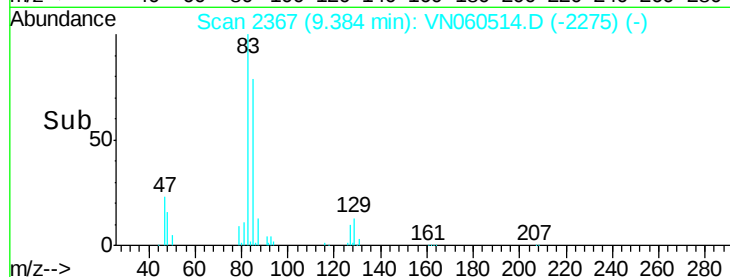
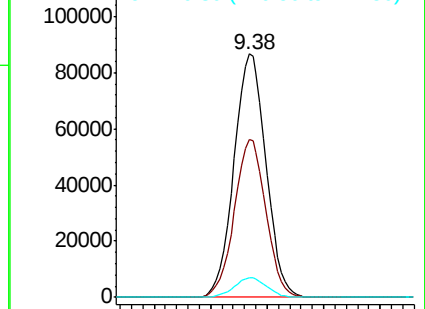
83 100

85 64.7 50.7 76.1

127 8.1 6.8 10.2



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



#48

Methyl methacrylate

Concen: 51.208 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

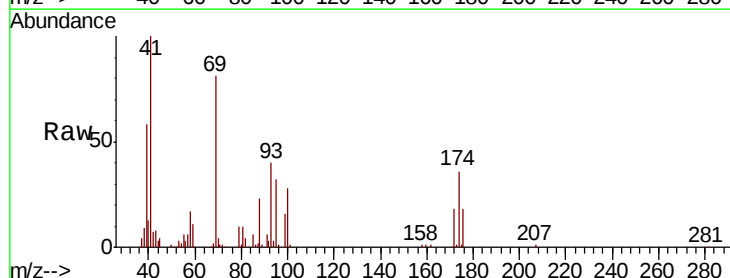
Tgt Ion: 41 Resp: 126382

Ion Ratio Lower Upper

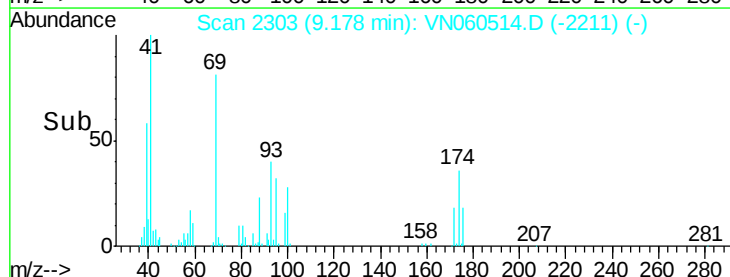
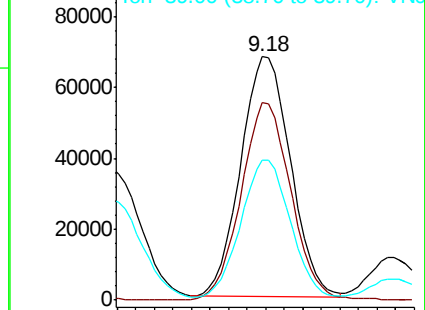
41 100

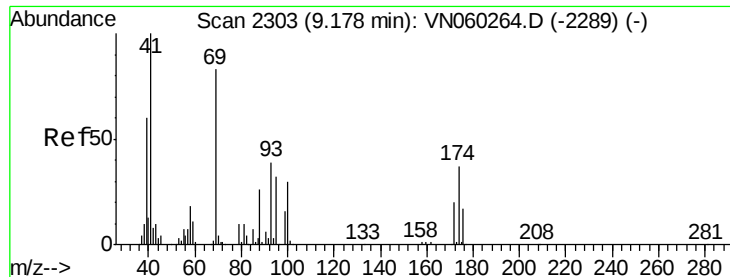
69 82.2 66.7 100.1

39 59.1 50.1 75.1



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





#49

1,4-Dioxane

Concen: 957.596 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

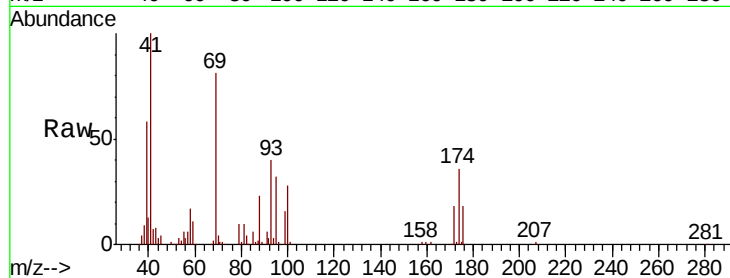
Tot Ion: 88 Resp: 33235

Ion Ratio Lower Upper

88 100

43 36.7 30.4 45.6

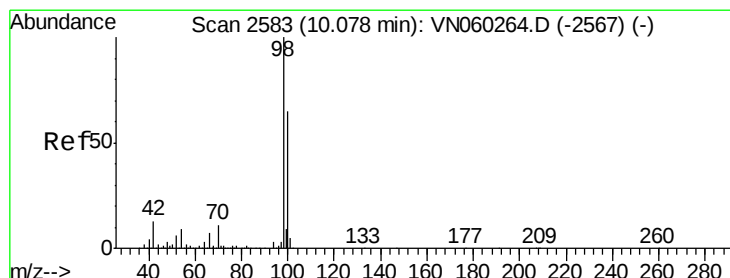
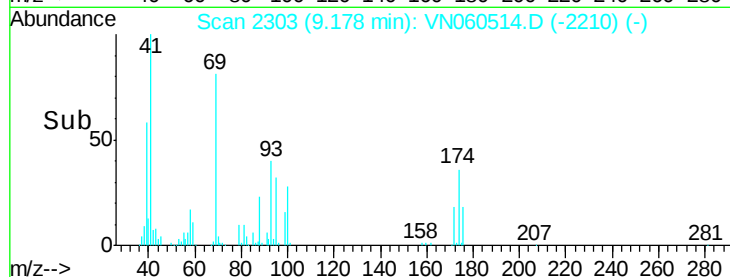
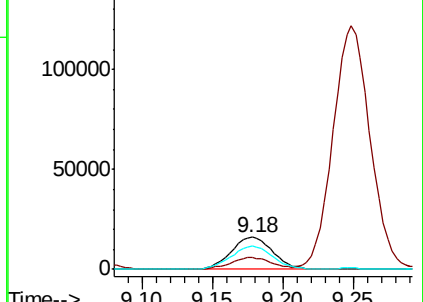
58 72.5 57.0 85.6



Abundance Ion 88.00 (87.70 to 88.70): VN060514.D (-2210) (-)

Ion 43.00 (42.70 to 43.70): VN060514.D (-2210) (-)

Ion 58.00 (57.70 to 58.70): VN060514.D (-2210) (-)



#50

Toluene-d8

Concen: 48.113 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060514.D

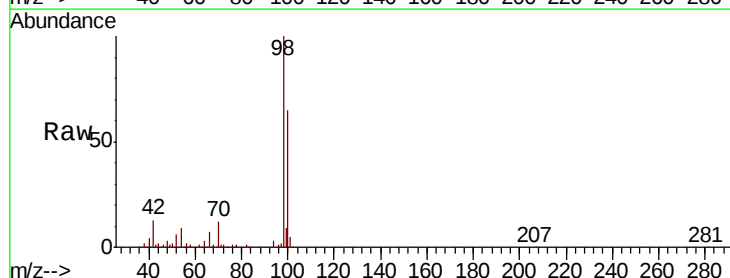
Acq: 16 Mar 2020 11:15

Tgt Ion: 98 Resp: 387204

Ion Ratio Lower Upper

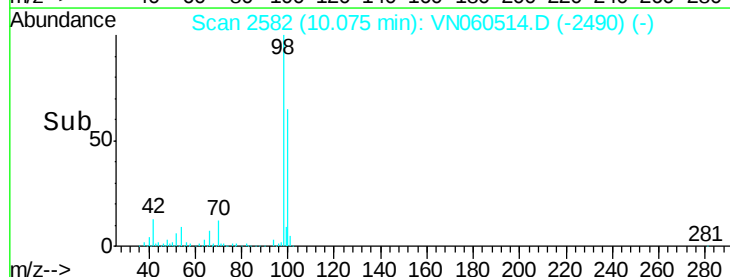
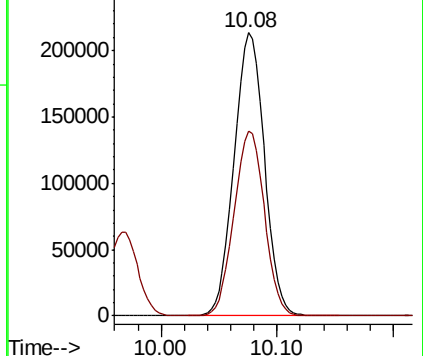
98 100

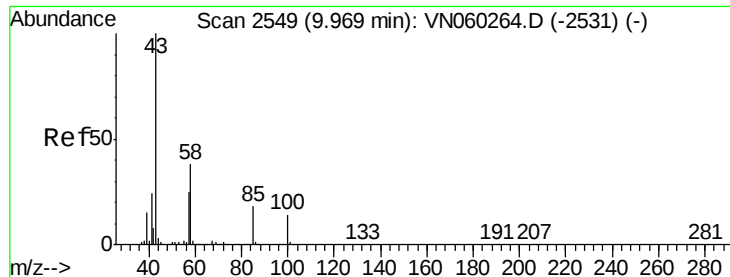
100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060514.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060514.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 270.844 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

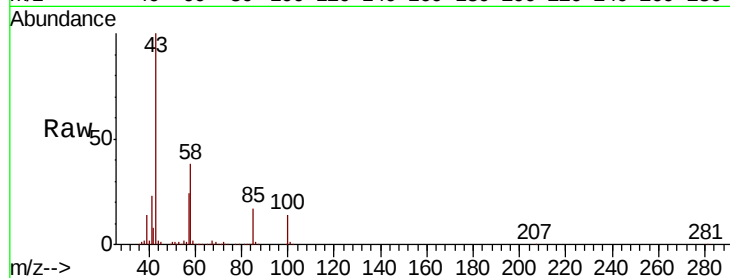
VSTDCCC050

Tot Ion: 43 Resp: 831103

Ion Ratio Lower Upper

43 100

58 38.5 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060514.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060514.D (-2456) (-)

9.97

500000

400000

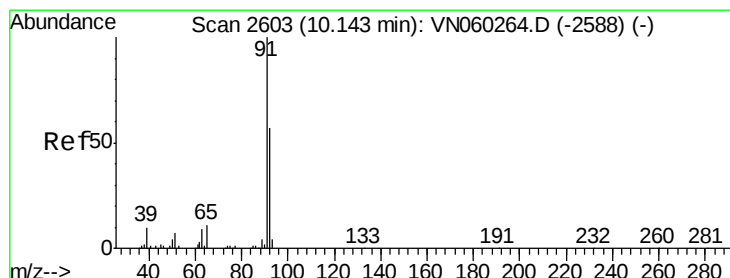
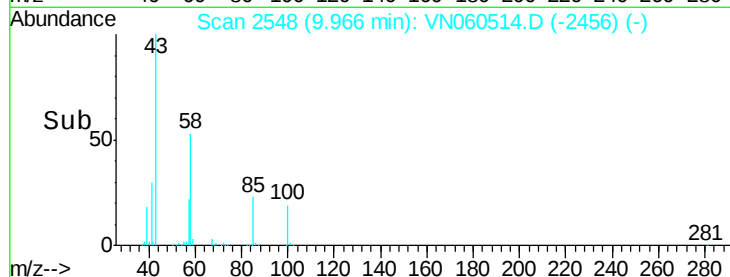
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.275 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060514.D

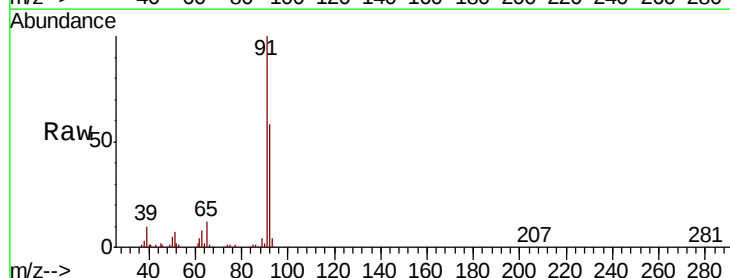
Acq: 16 Mar 2020 11:15

Tgt Ion: 92 Resp: 288164

Ion Ratio Lower Upper

92 100

91 172.0 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060514.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060514.D (-2510) (-)

10.14

300000

250000

200000

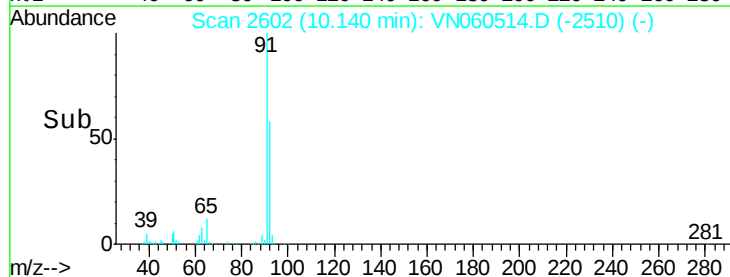
150000

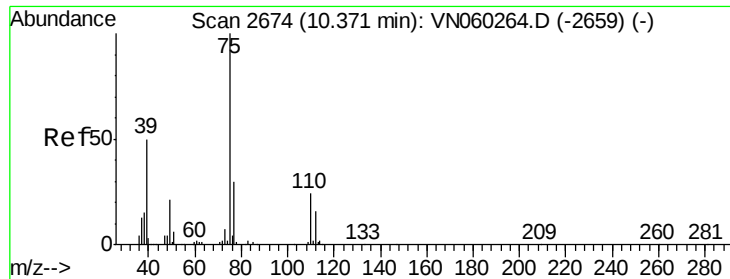
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.621 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

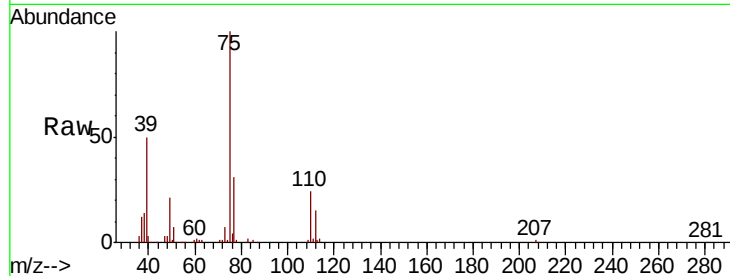
VSTDCCC050

Tot Ion: 75 Resp: 199356

Ion Ratio Lower Upper

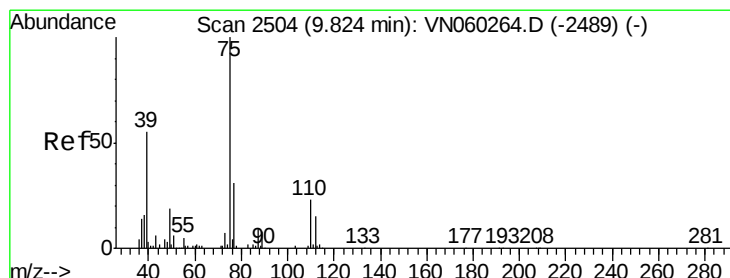
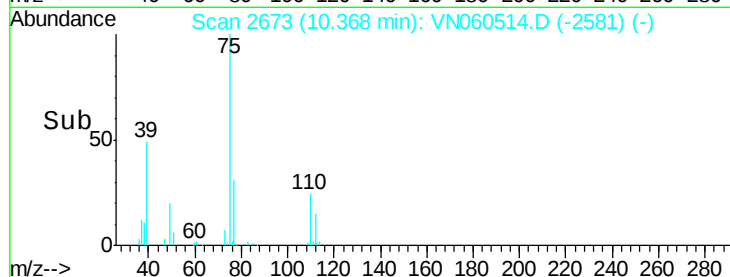
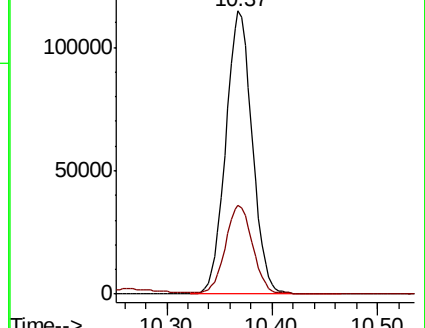
75 100

77 30.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN060514.D (-2581) (-)

Ion 76.90 (76.60 to 77.60): VN060514.D (-2581) (-)



#54

cis-1,3-Dichloropropene

Concen: 50.871 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

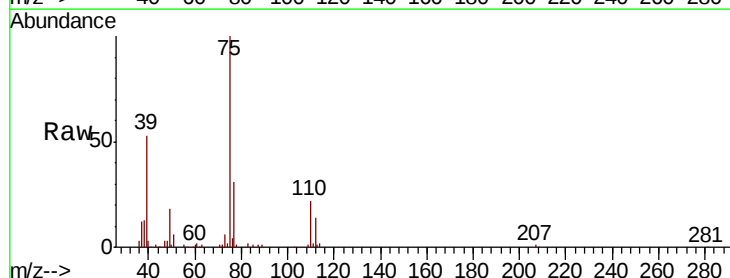
Tgt Ion: 75 Resp: 211778

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

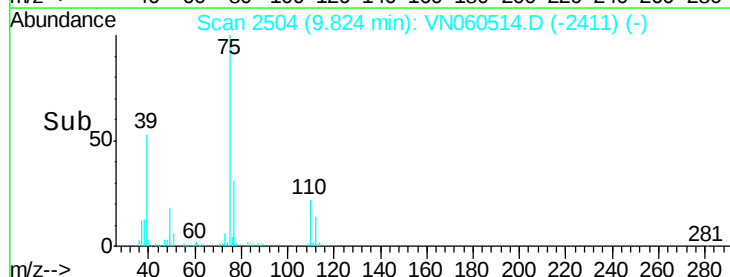
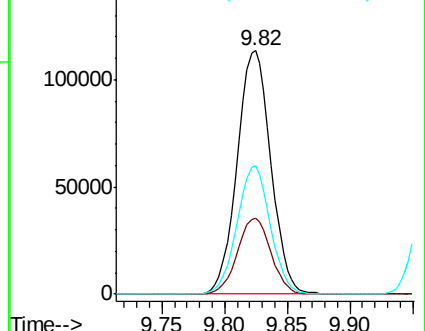
39 52.6 43.8 65.8

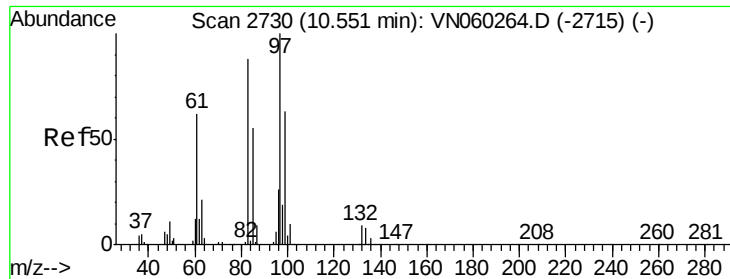


Abundance Ion 74.90 (74.60 to 75.60): VN060514.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060514.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060514.D (-2411) (-)

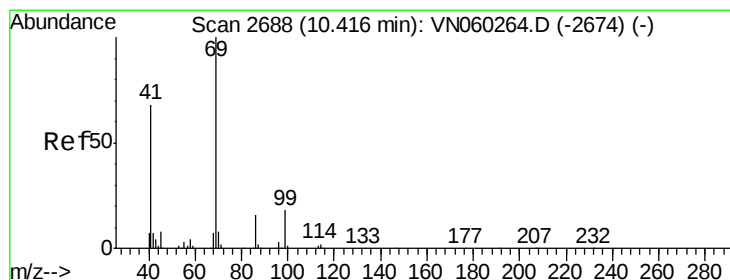
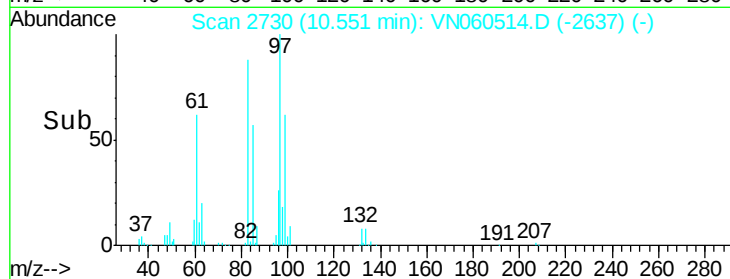
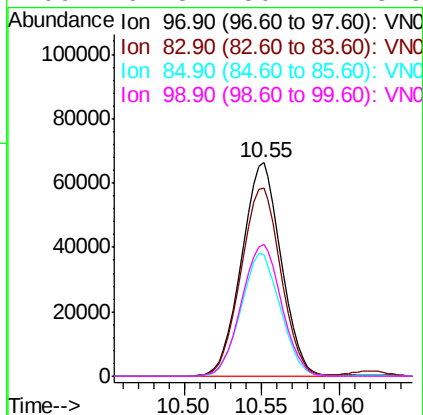
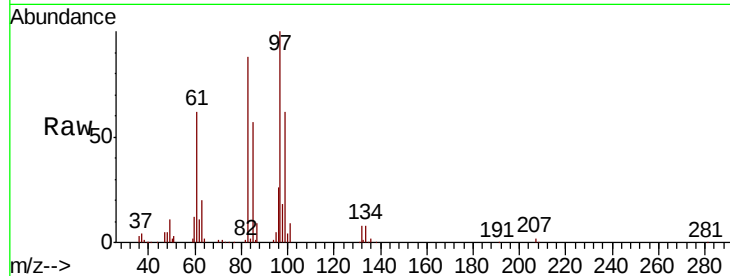




#55
 1,1,2-Trichloroethane
 Concen: 49.253 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

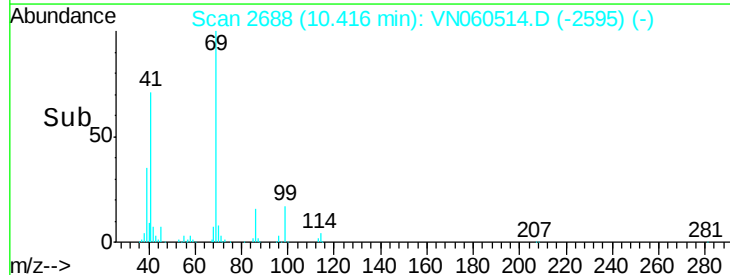
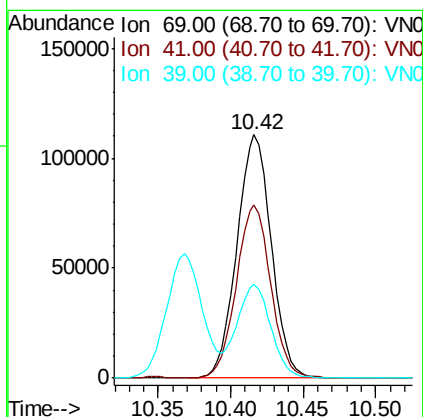
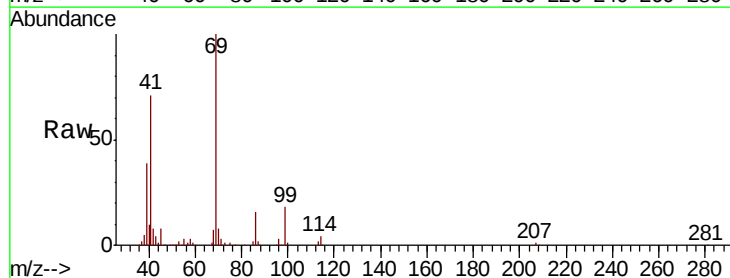
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

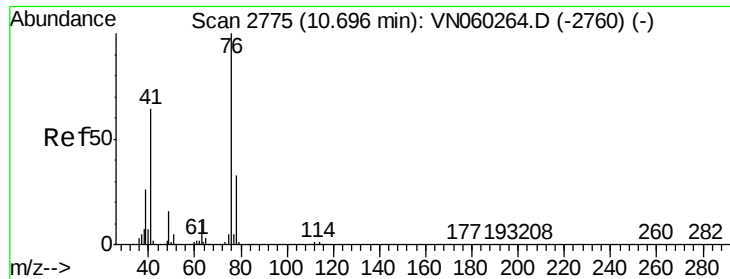
Tot Ion:	97	Resp:	118230
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.0	105.0
85	56.8	44.0	66.0
99	61.8	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 53.018 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

Tgt Ion:	69	Resp:	182842
Ion	Ratio	Lower	Upper
69	100		
41	70.7	54.1	81.1
39	37.8	32.5	48.7





#57

1,3-Dichloropropane

Concen: 51.944 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

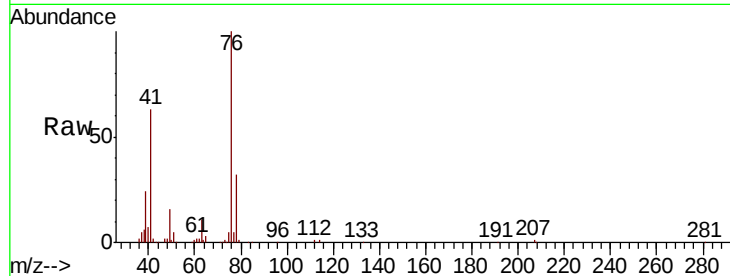
VSTDCCC050

Tot Ion: 76 Resp: 203347

Ion Ratio Lower Upper

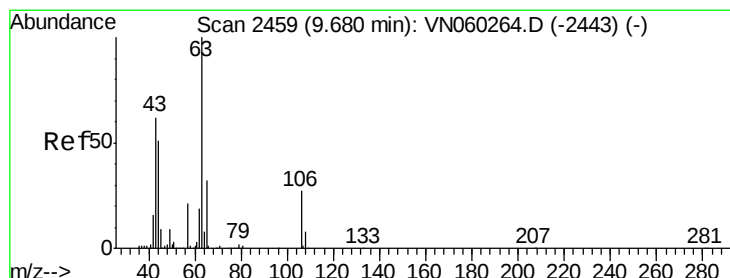
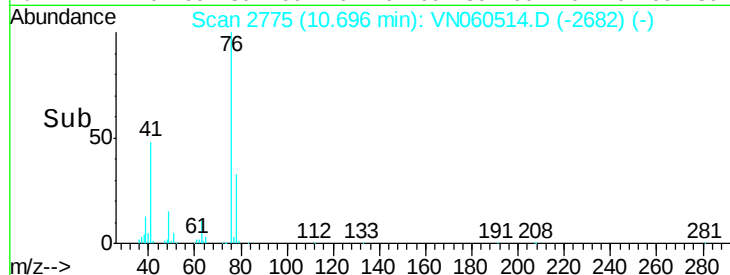
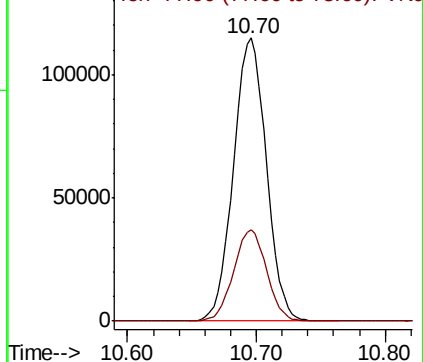
76 100

78 32.3 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 249.300 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060514.D

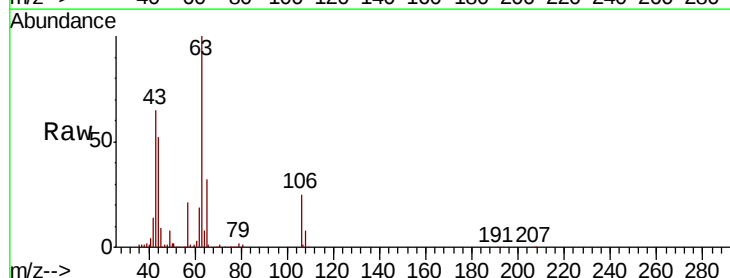
Acq: 16 Mar 2020 11:15

Tgt Ion: 63 Resp: 449657

Ion Ratio Lower Upper

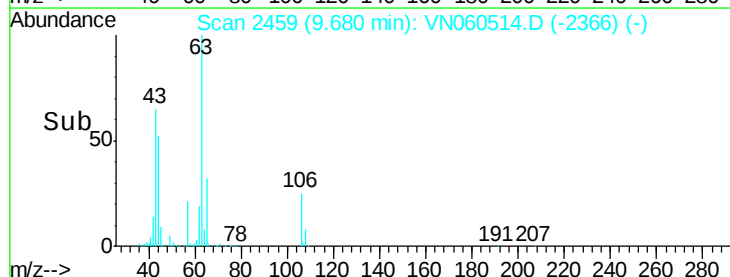
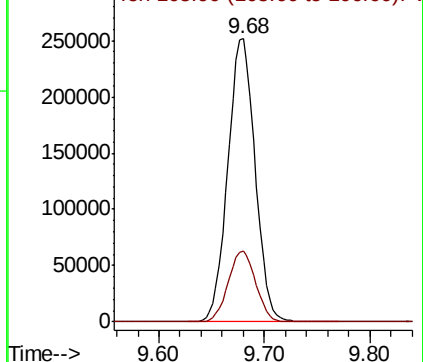
63 100

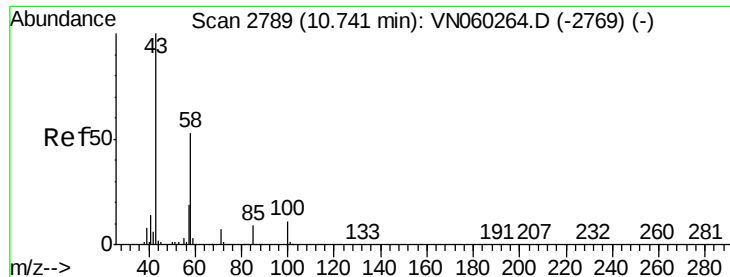
106 25.2 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

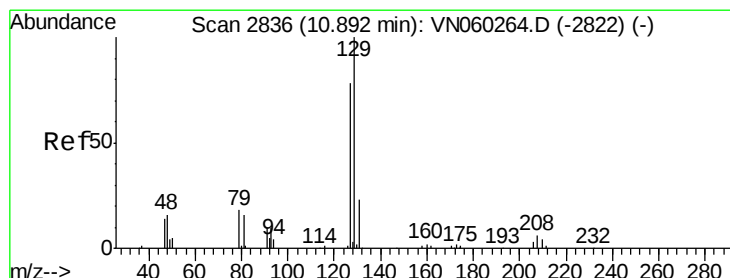
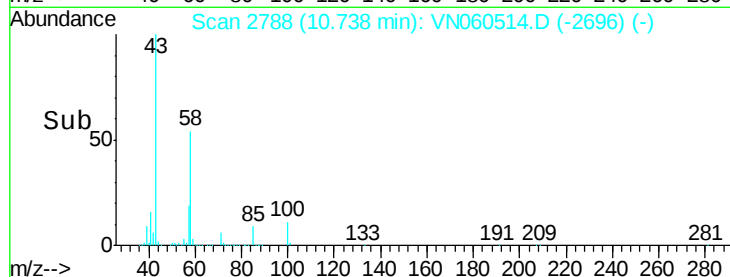
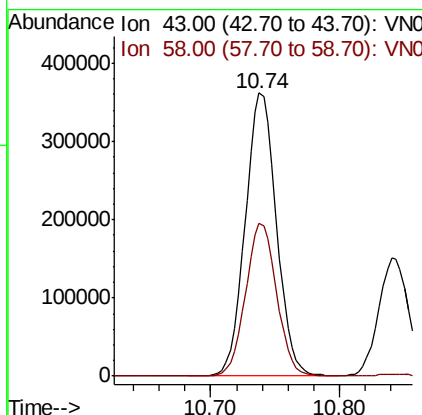
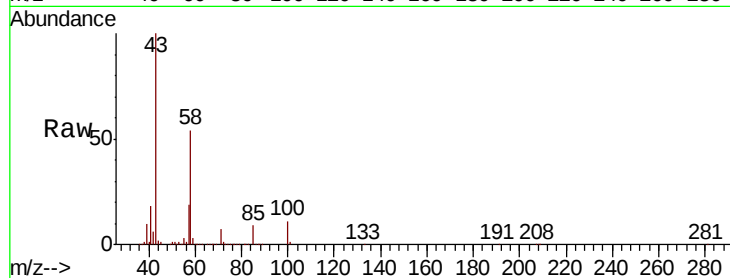




#59
2-Hexanone
Concen: 270.659 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

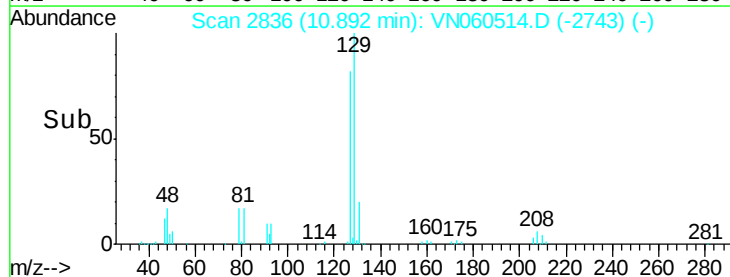
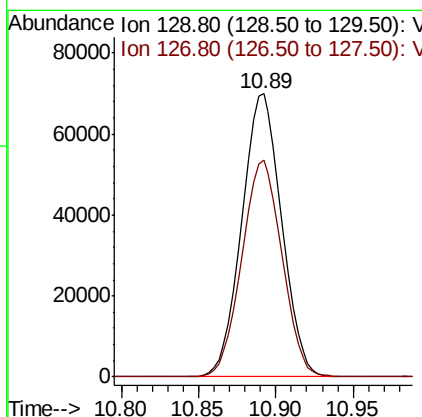
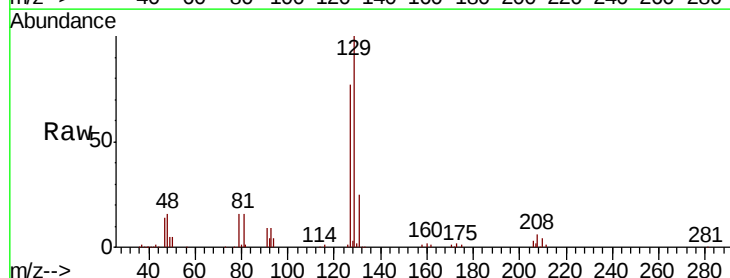
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 609800
Ion Ratio Lower Upper
43 100
58 53.7 26.5 79.5



#60
Dibromochloromethane
Concen: 51.396 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion: 129 Resp: 125469
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7

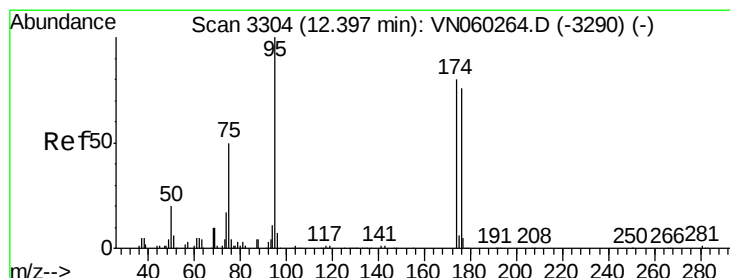
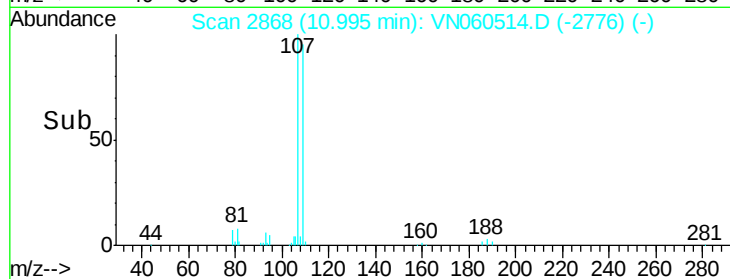
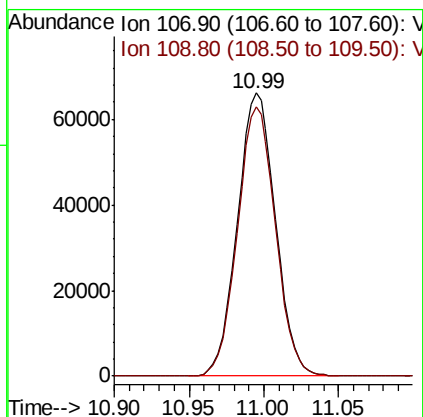
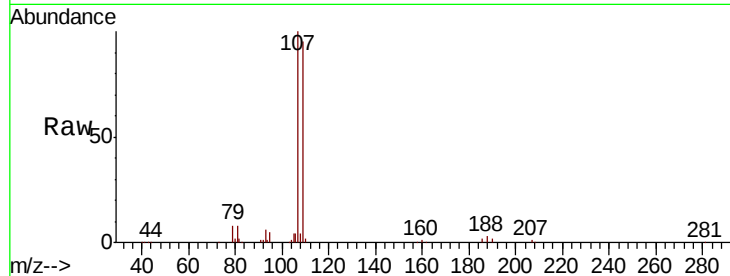




#61
 1,2-Dibromoethane
 Concen: 49.954 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

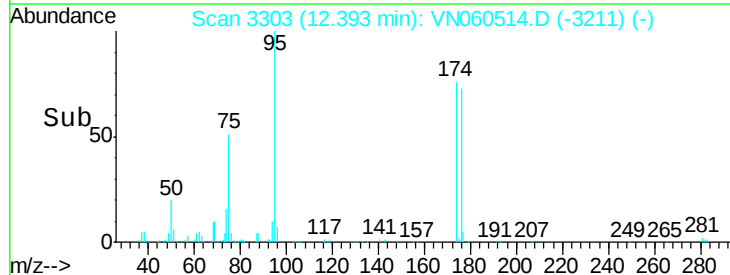
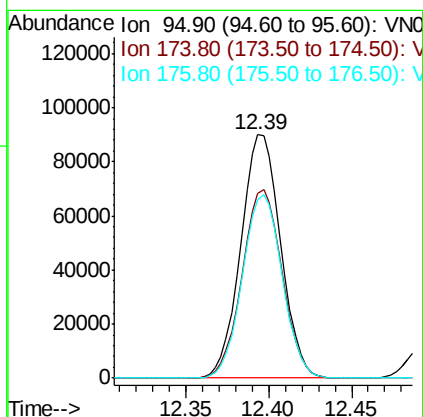
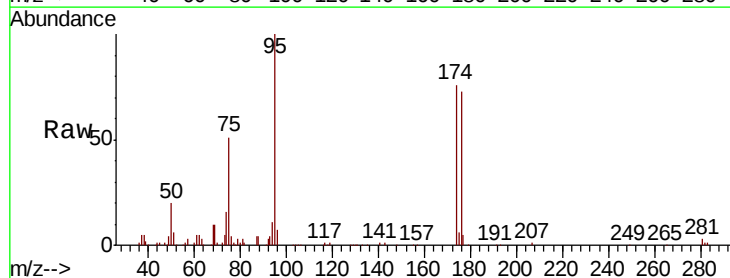
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 116896
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 49.166 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

Tgt Ion: 95 Resp: 149991
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 159.2
 176 75.5 0.0 153.8

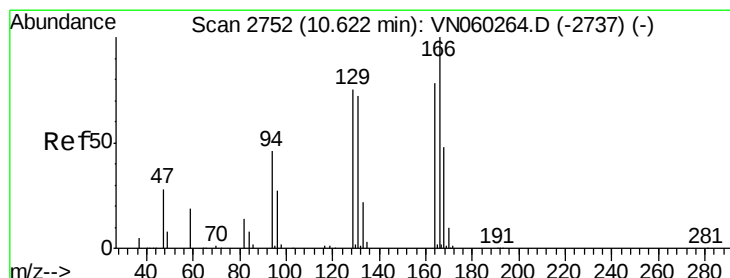
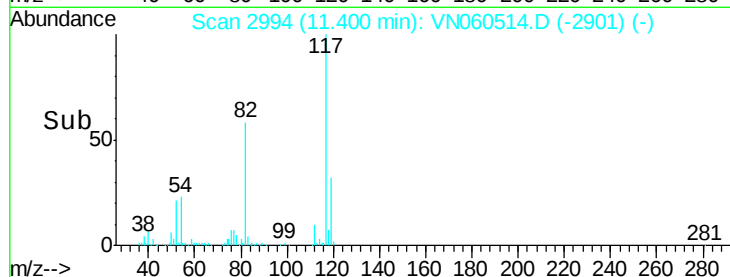
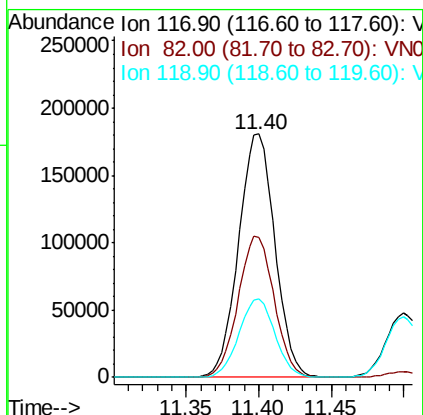
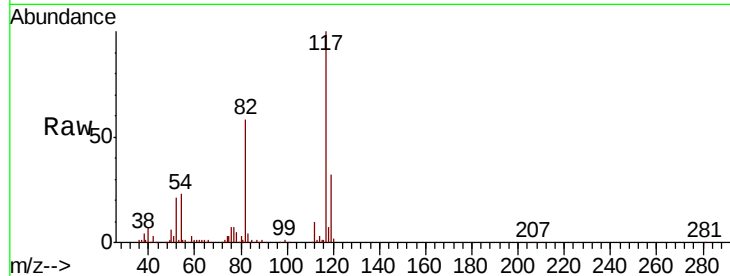




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

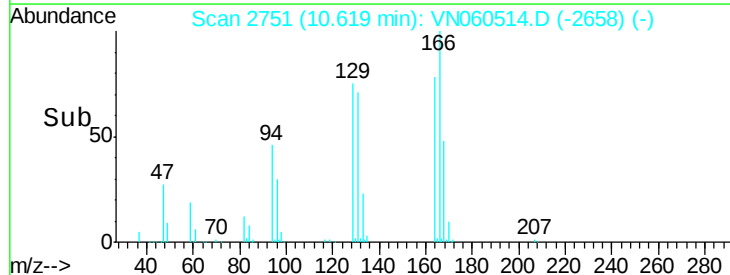
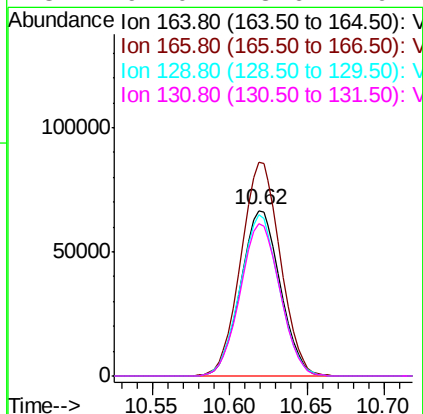
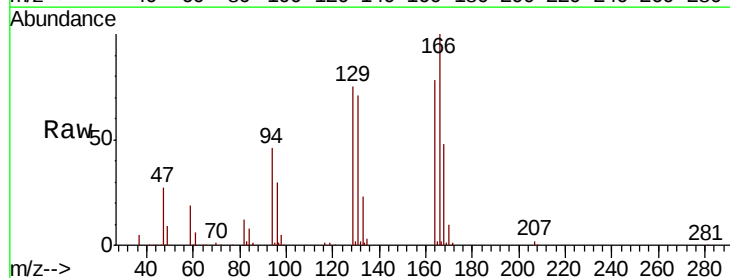
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

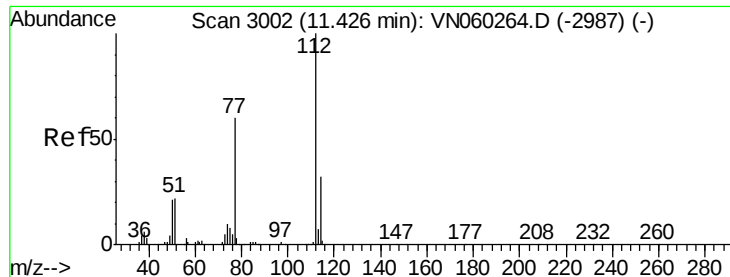
Tot Ion:117 Resp: 315022
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.6
119 32.2 25.8 38.8



#64
Tetrachloroethene
Concen: 47.680 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion:164 Resp: 118424
Ion Ratio Lower Upper
164 100
166 129.0 102.0 153.0
129 97.3 76.4 114.6
131 92.0 73.6 110.4





#65

Chlorobenzene

Concen: 48.040 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

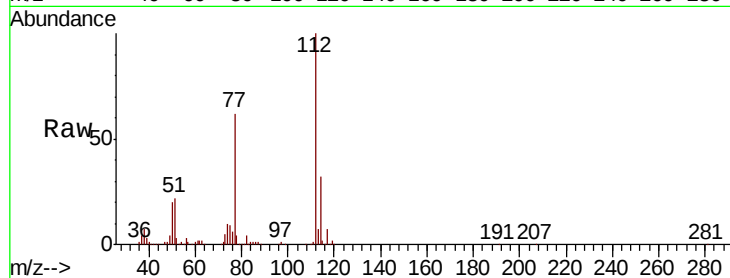
VSTDCCC050

Tot Ion:112 Resp: 305586

Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

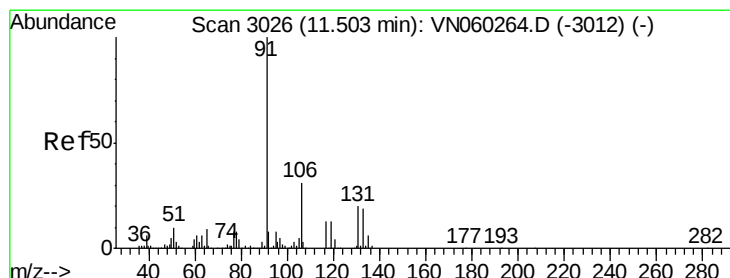
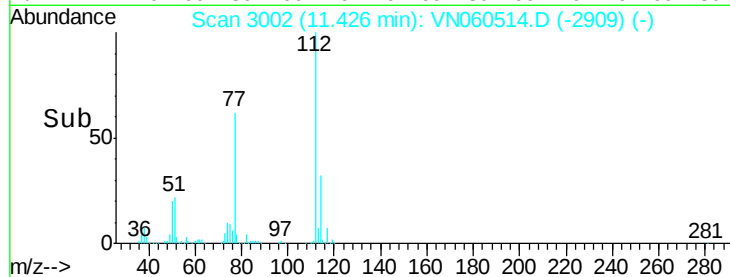
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.722 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

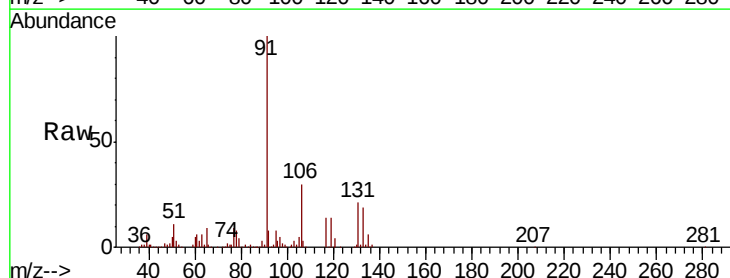
Tgt Ion:131 Resp: 116946

Ion Ratio Lower Upper

131 100

133 96.4 47.7 143.1

119 66.7 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

80000

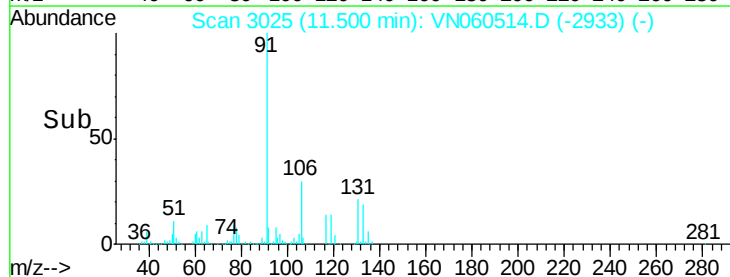
60000

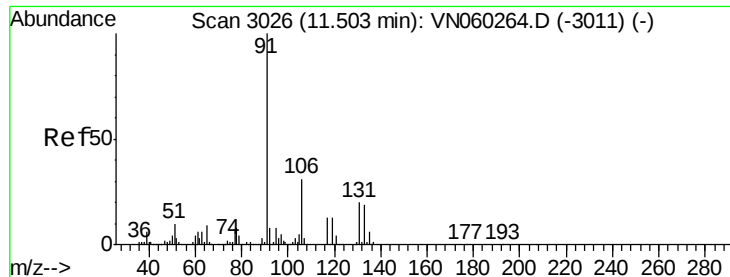
40000

20000

0

Time-->

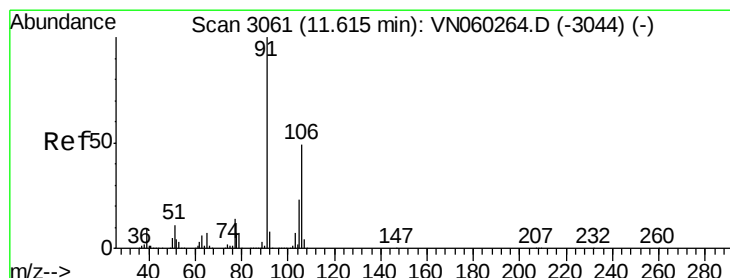
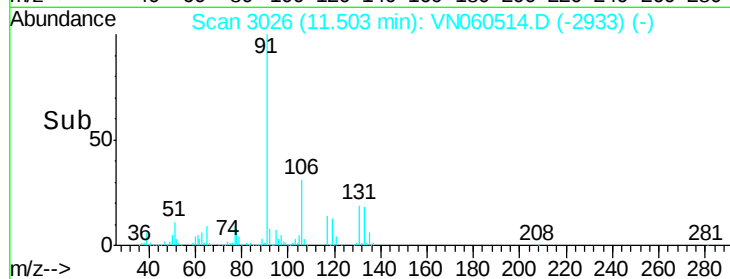
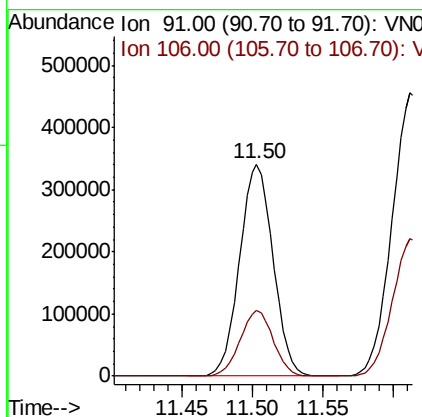
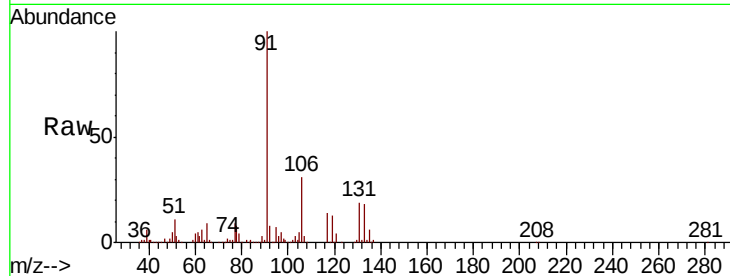




#67
Ethyl Benzene
Concen: 48.874 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

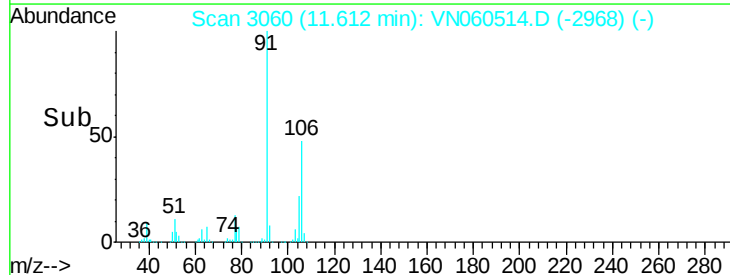
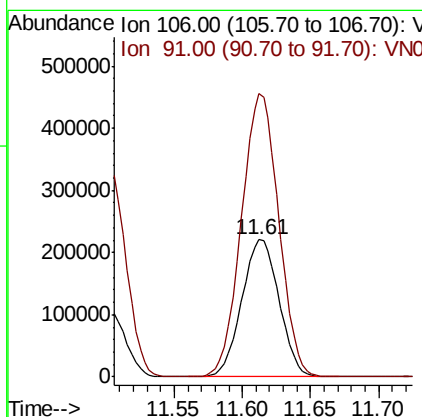
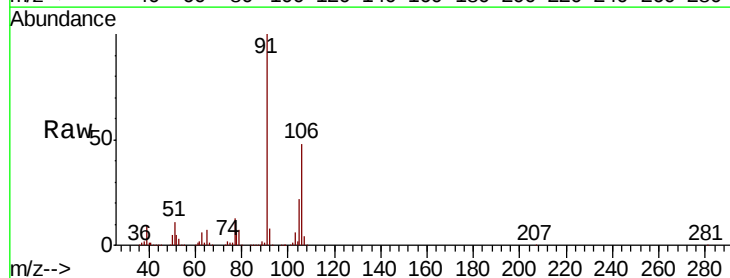
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

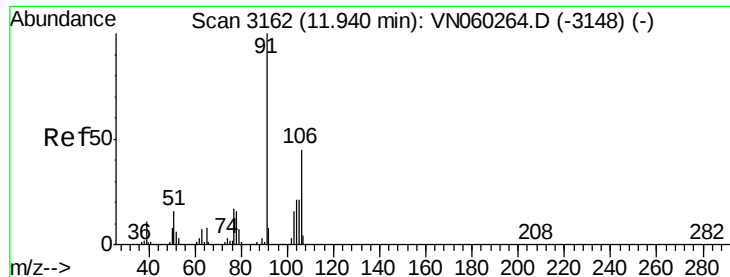
Tot Ion: 91 Resp: 566159
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 95.798 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion: 106 Resp: 418693
Ion Ratio Lower Upper
106 100
91 206.0 164.5 246.7

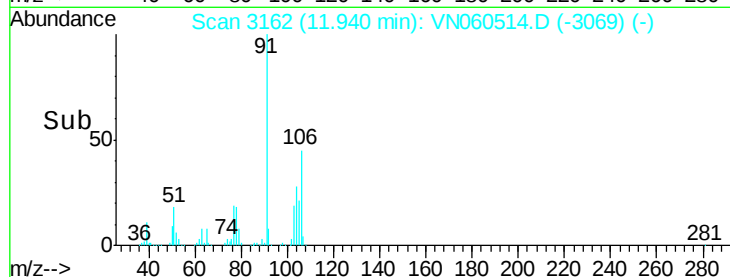
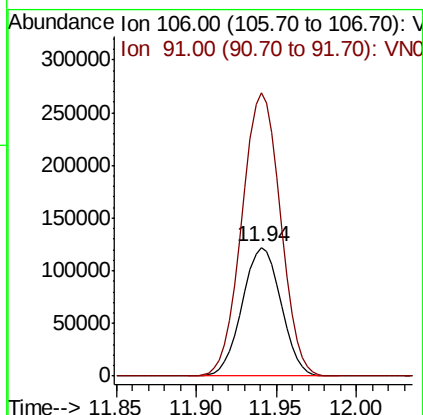
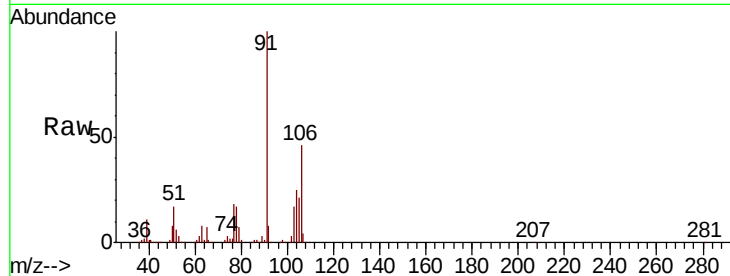




#69
o-Xylene
Concen: 48.735 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

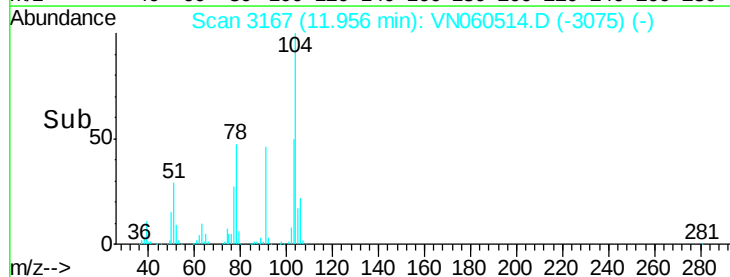
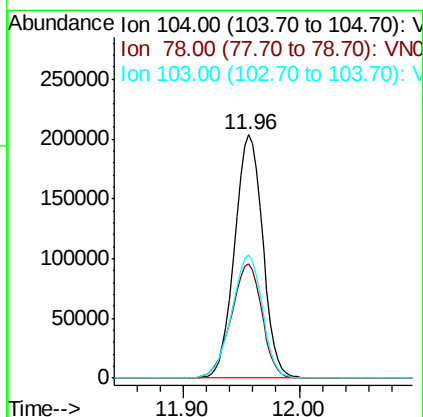
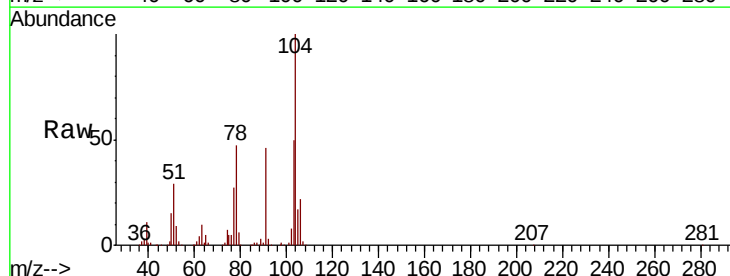
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

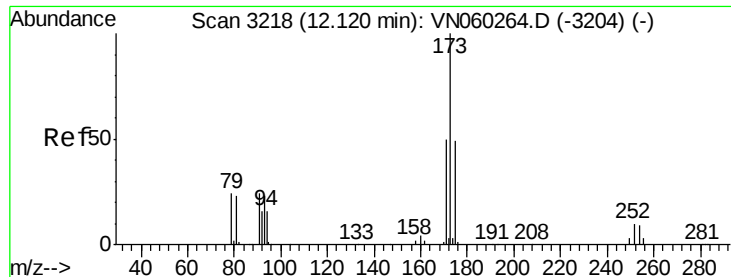
Tot Ion:106 Resp: 203115
Ion Ratio Lower Upper
106 100
91 218.3 109.5 328.4



#70
Styrene
Concen: 49.699 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion:104 Resp: 340550
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.0 43.9 65.9





#71

Bromoform

Concen: 52.851 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

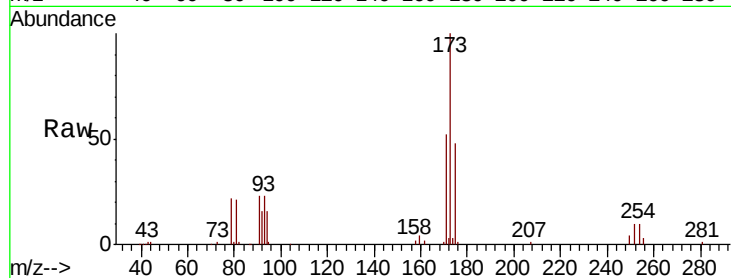
Tot Ion:173 Resp: 89587

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.2

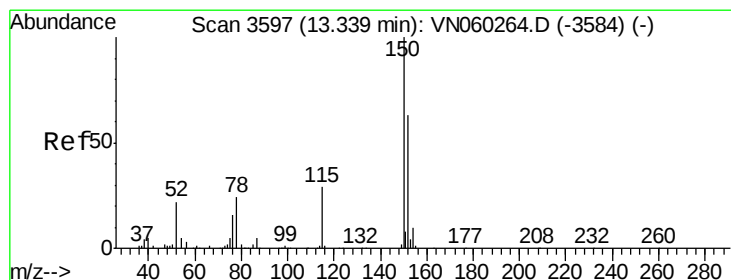
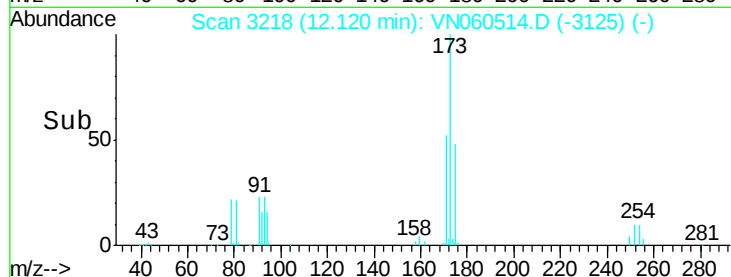
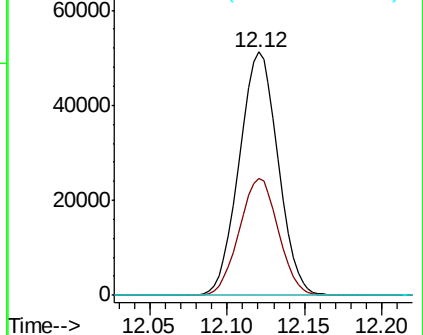
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

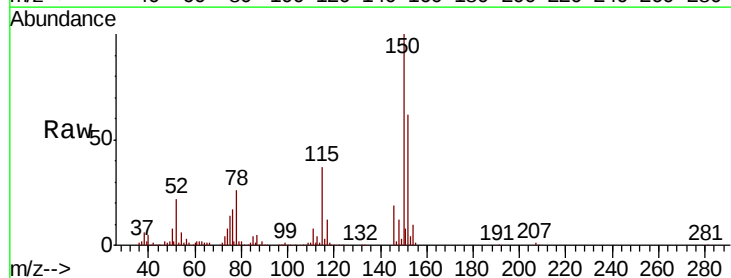
Tgt Ion:152 Resp: 152026

Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

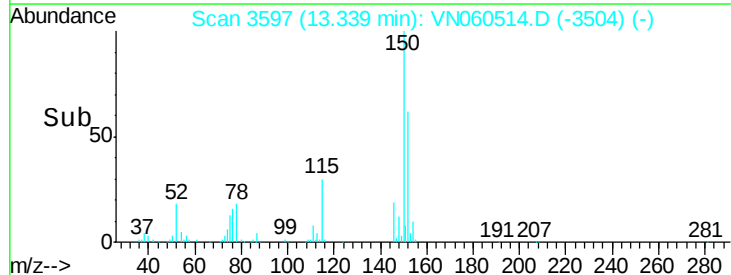
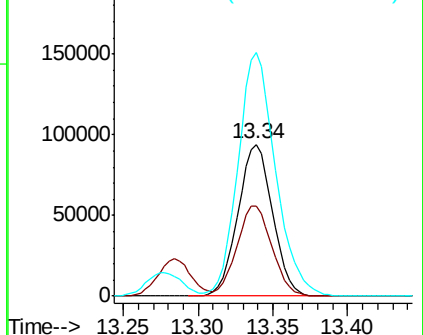
150 173.1 0.0 349.6

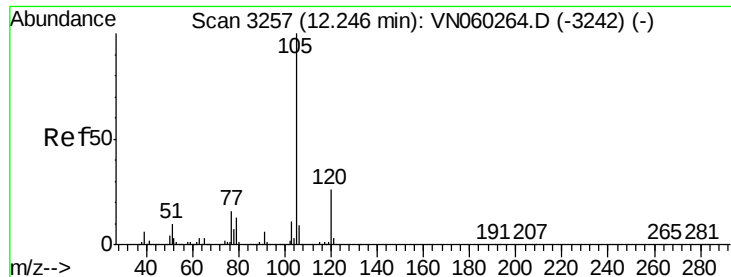


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.256 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

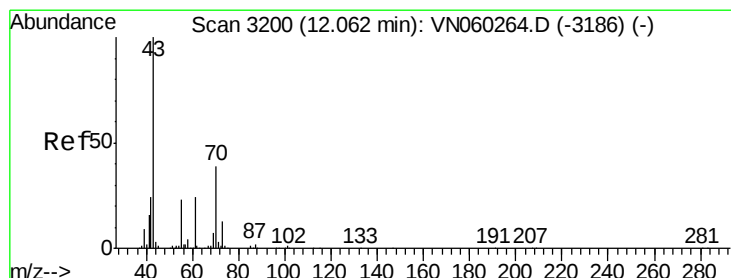
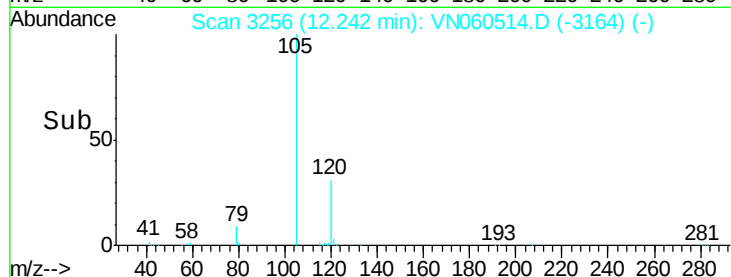
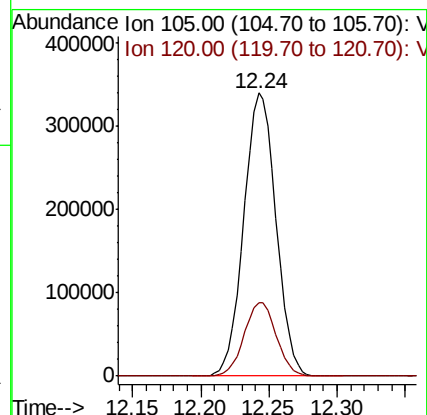
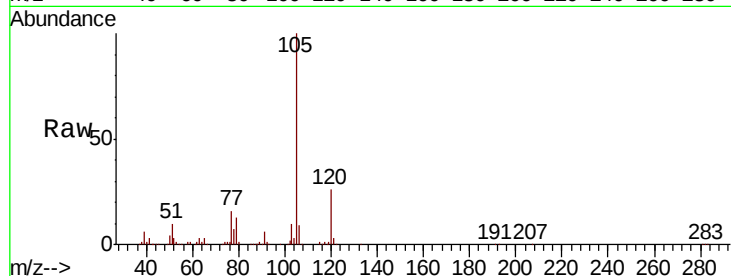
VSTDCCC050

Tot Ion:105 Resp: 555015

Ion Ratio Lower Upper

105 100

120 26.0 13.0 38.9



#74

N-ethyl acetate

Concen: 51.607 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Tgt Ion: 43 Resp: 254105

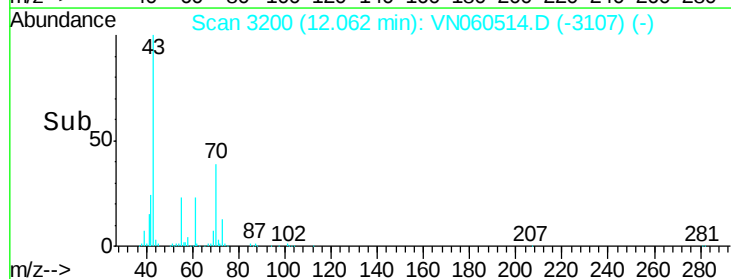
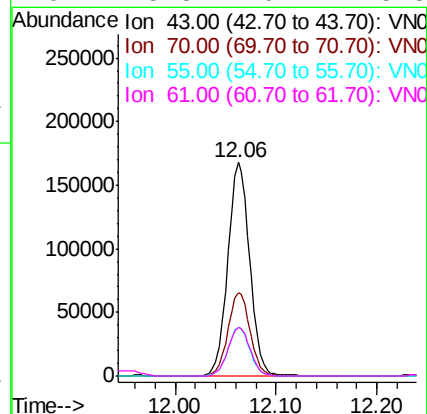
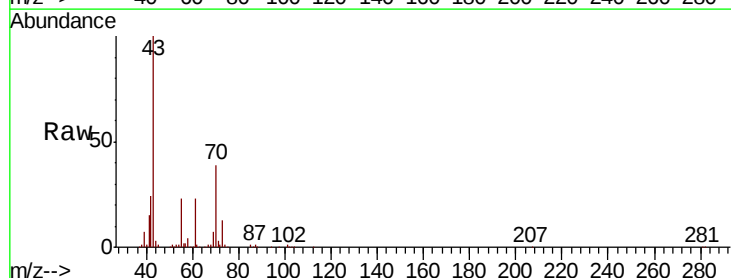
Ion Ratio Lower Upper

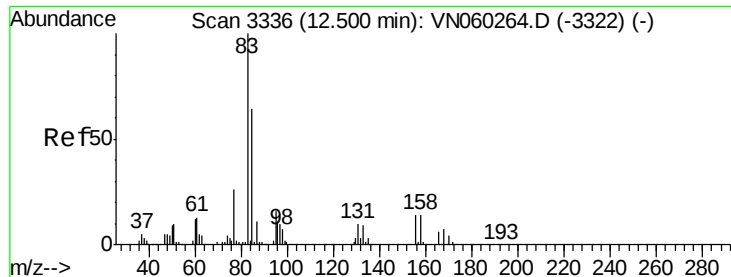
43 100

70 39.4 32.2 48.2

55 22.9 18.2 27.4

61 23.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 54.016 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

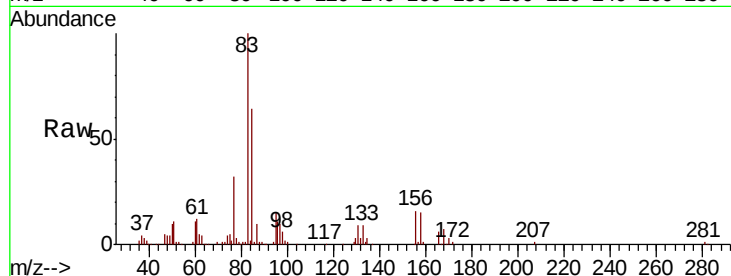
Tot Ion: 83 Resp: 165447

Ion Ratio Lower Upper

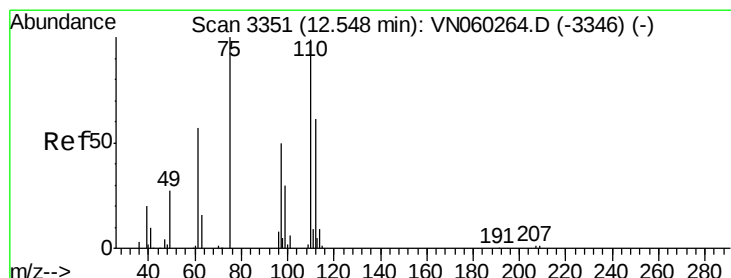
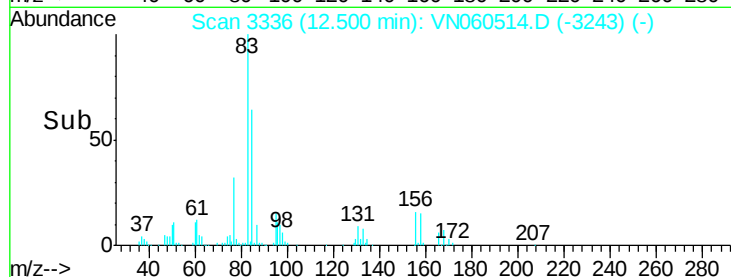
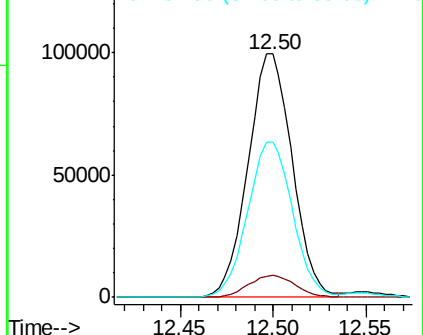
83 100

131 9.5 5.1 15.3

85 64.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 68.572 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060514.D

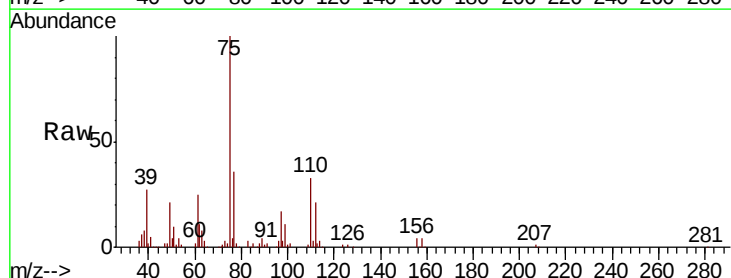
Acq: 16 Mar 2020 11:15

Tgt Ion: 75 Resp: 228720

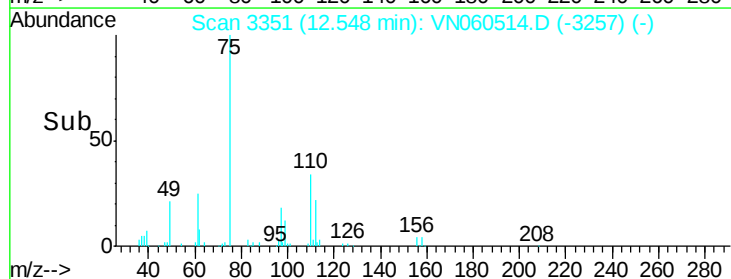
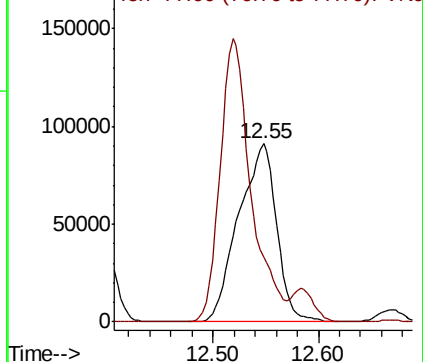
Ion Ratio Lower Upper

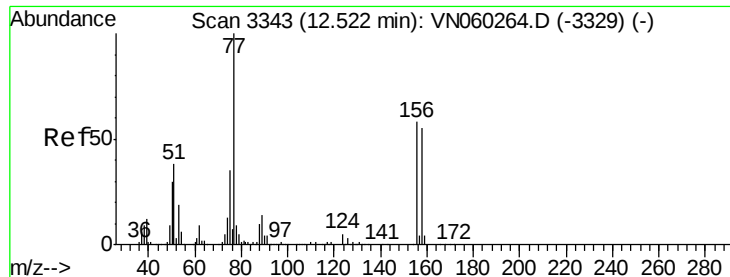
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.350 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

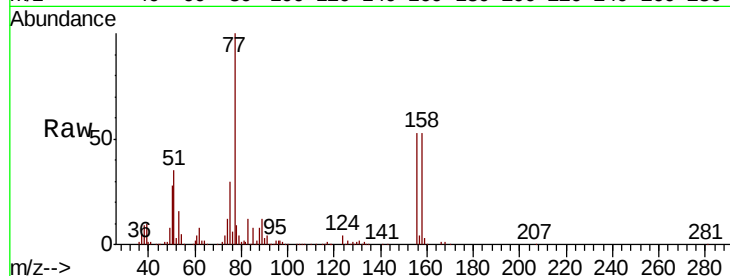
Tot Ion:156 Resp: 130784

Ion Ratio Lower Upper

156 100

77 225.1 106.1 318.3

158 99.2 48.3 144.8



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

200000

150000

100000

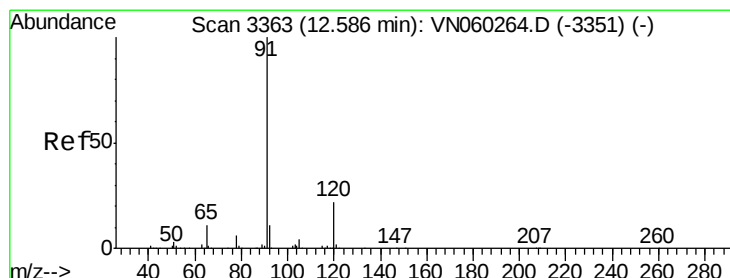
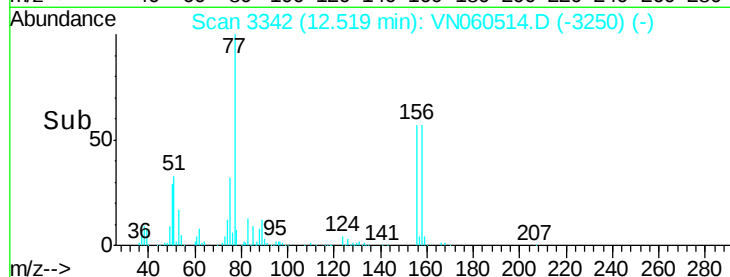
50000

0

12.45 12.50 12.55

12.52

Time-->



#78

n-propylbenzene

Concen: 49.616 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060514.D

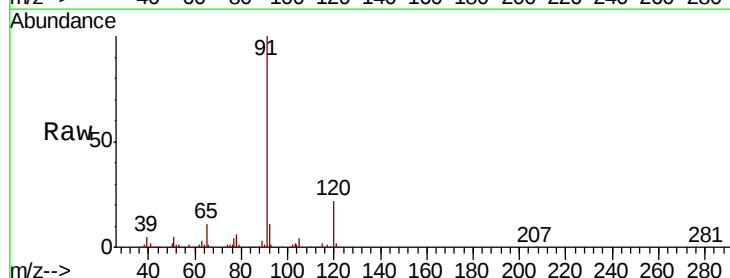
Acq: 16 Mar 2020 11:15

Tgt Ion: 91 Resp: 655339

Ion Ratio Lower Upper

91 100

120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

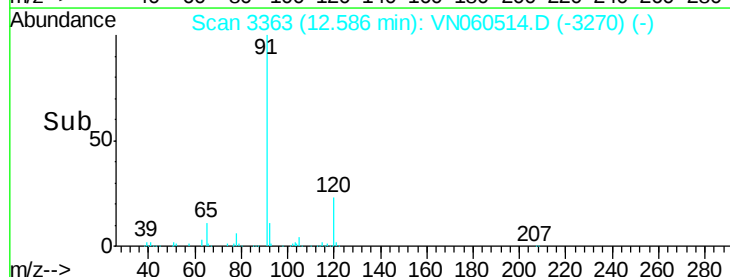
100000

0

12.55 12.60 12.65

12.59

Time-->

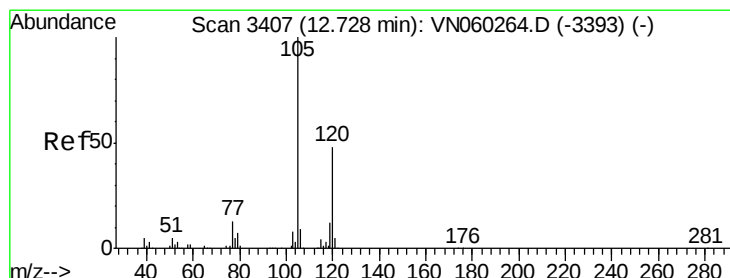
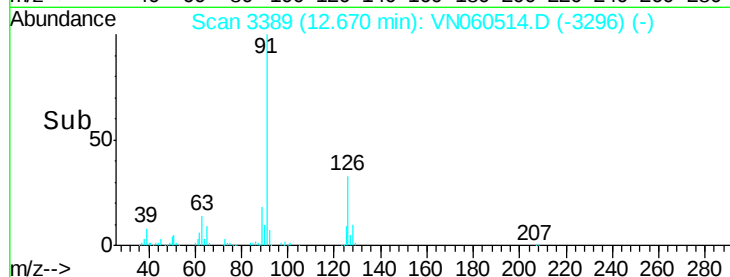
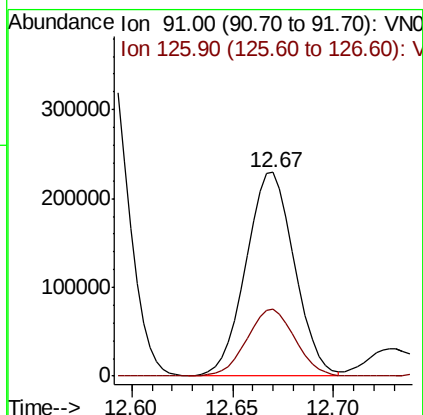
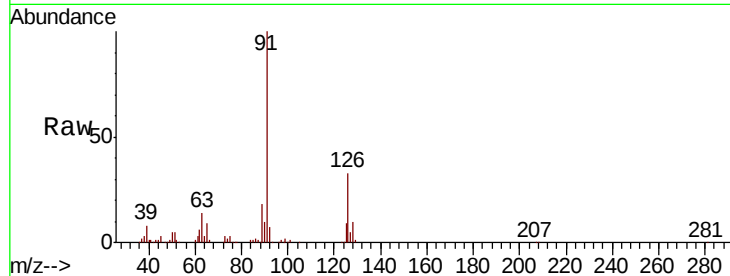




#79
 2-Chlorotoluene
 Concen: 49.462 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

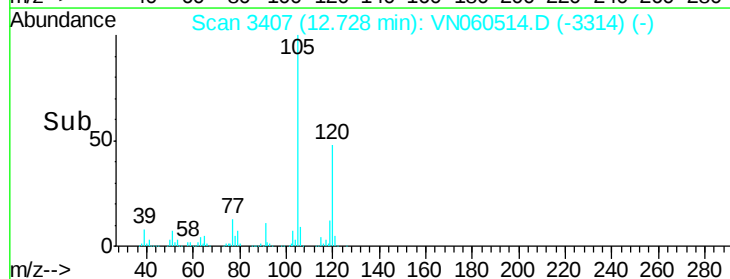
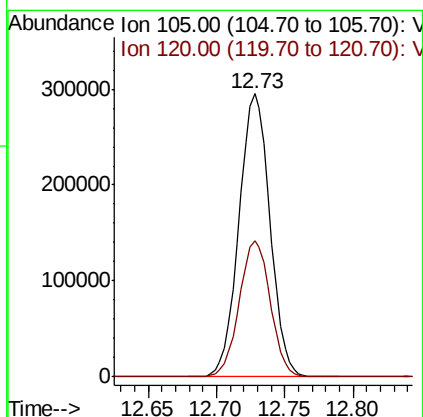
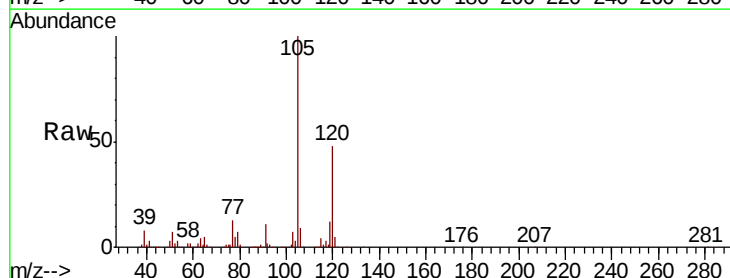
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 384025
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 48.974 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

Tgt Ion: 105 Resp: 464621
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.4

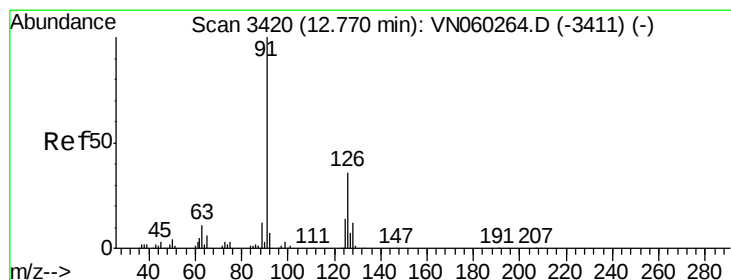
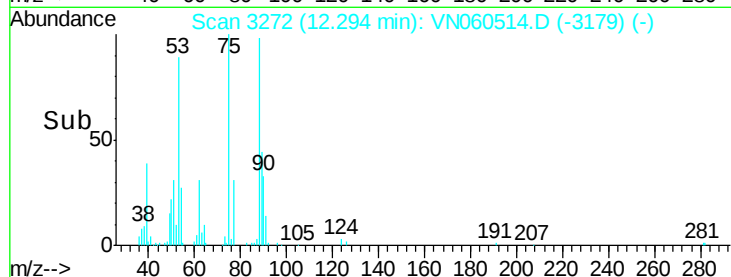
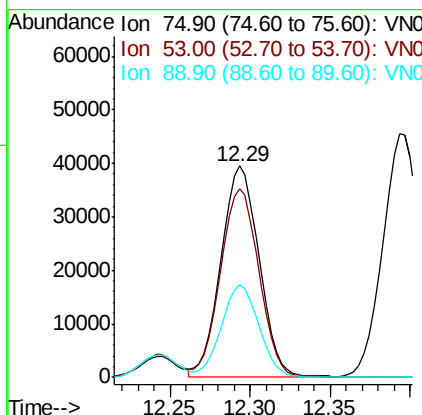
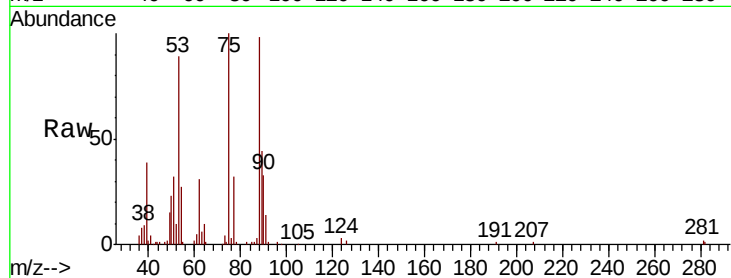




#81
trans-1,4-Dichloro-2-butene
Concen: 53.441 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

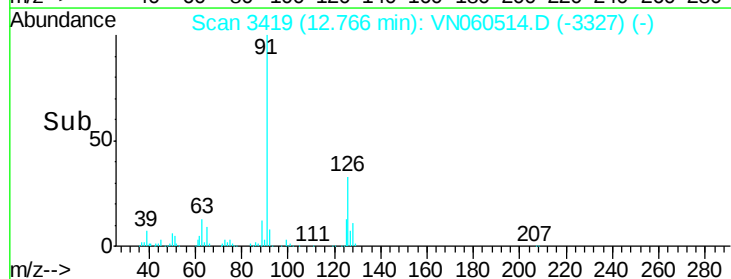
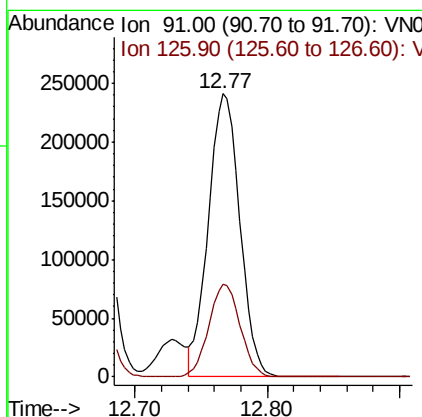
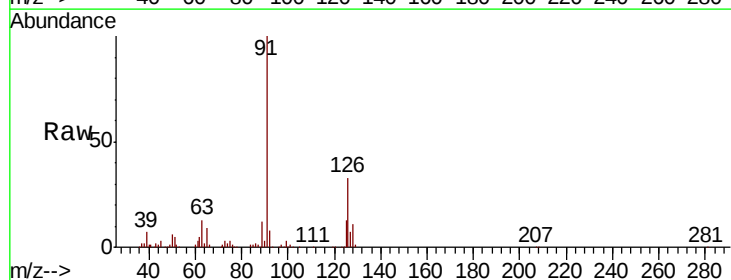
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

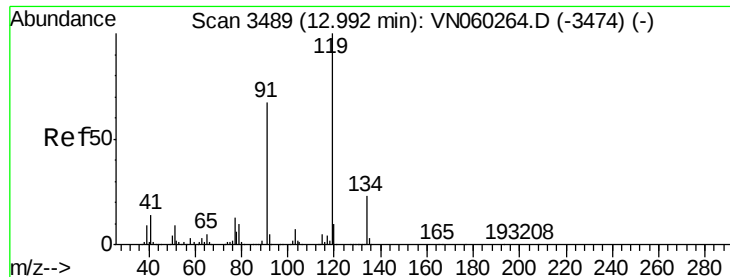
Tot Ion: 75 Resp: 64573
Ion Ratio Lower Upper
75 100
53 90.4 73.8 110.6
89 43.1 57.1 85.7#



#82
4-Chlorotoluene
Concen: 48.366 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060514.D
Acq: 16 Mar 2020 11:15

Tgt Ion: 91 Resp: 395634
Ion Ratio Lower Upper
91 100
126 32.6 16.7 50.1





#83

tert-Butylbenzene

Concen: 47.906 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

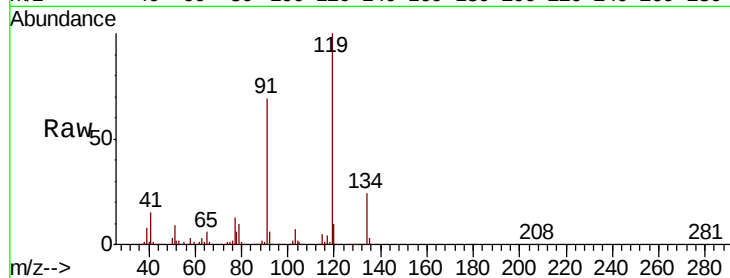
Tot Ion:119 Resp: 393499

Ion Ratio Lower Upper

119 100

91 68.3 33.1 99.2

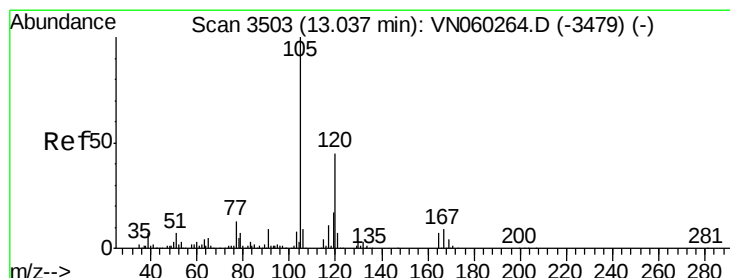
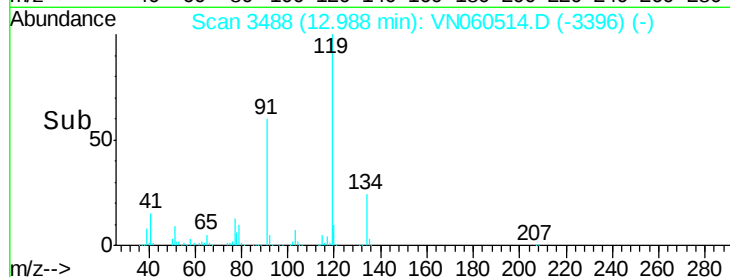
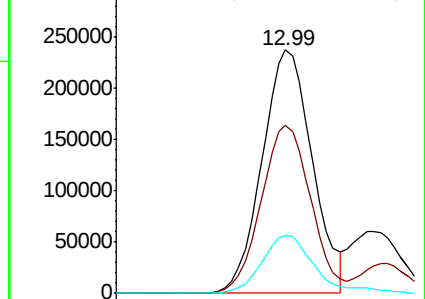
134 25.0 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.595 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060514.D

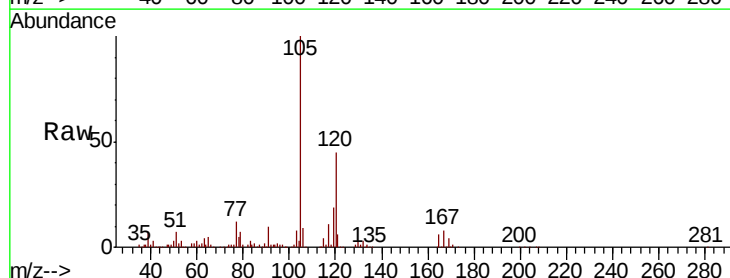
Acq: 16 Mar 2020 11:15

Tgt Ion:105 Resp: 465335

Ion Ratio Lower Upper

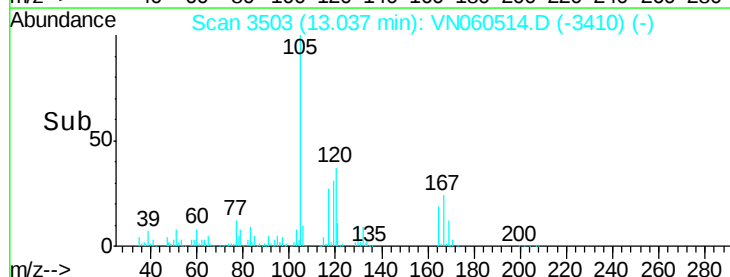
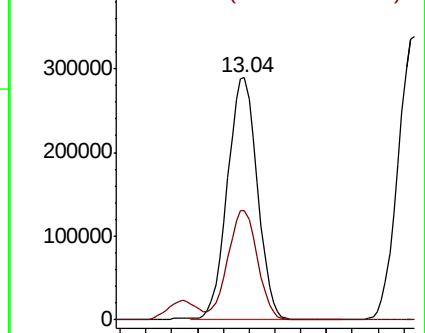
105 100

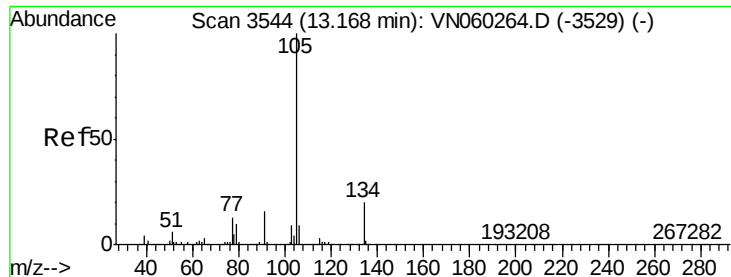
120 44.7 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.490 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

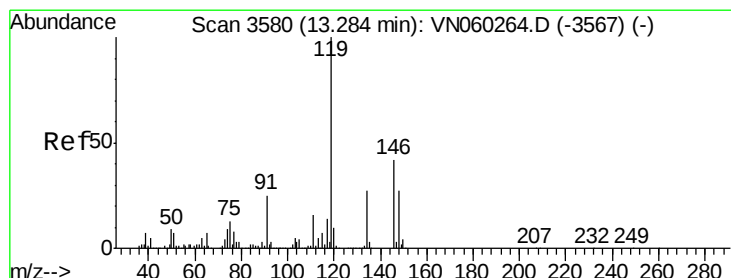
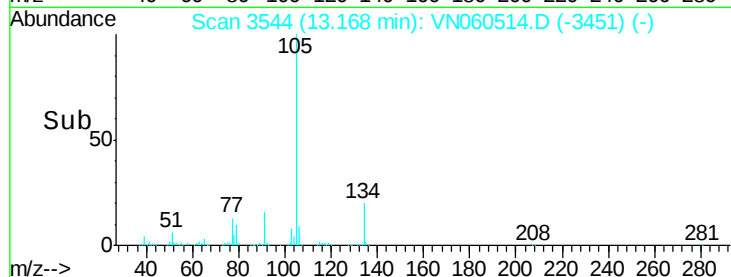
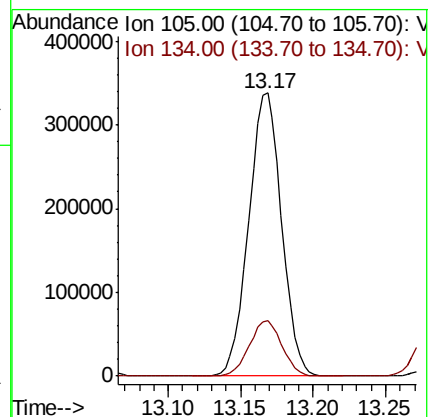
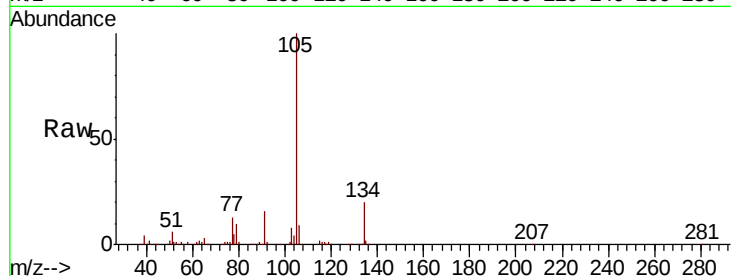
VSTDCCC050

Tot Ion:105 Resp: 533366

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.5



#86

p-Isopropyltoluene

Concen: 46.843 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

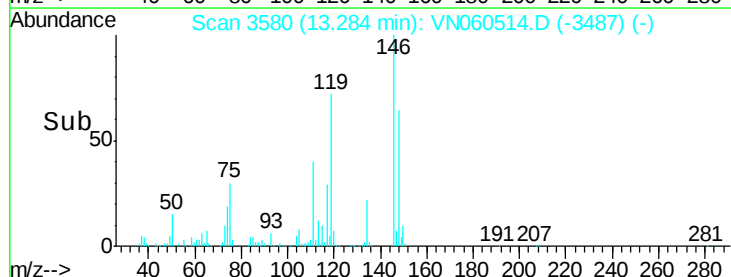
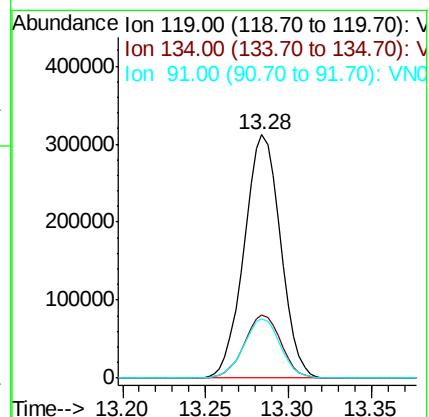
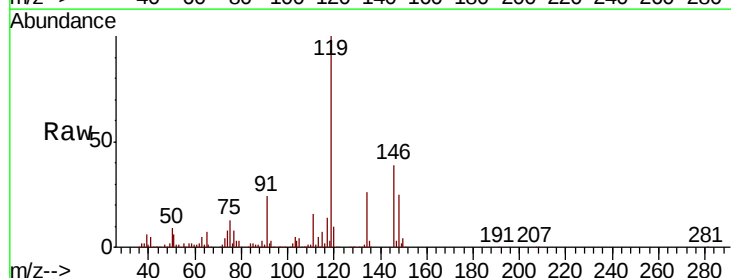
Tgt Ion:119 Resp: 476894

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 24.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 50.331 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

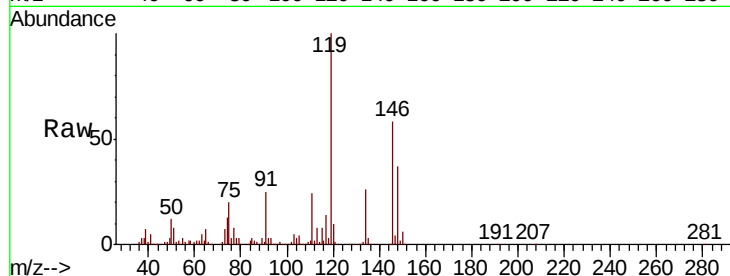
Tot Ion:146 Resp: 238870

Ion Ratio Lower Upper

146 100

111 40.8 20.0 59.9

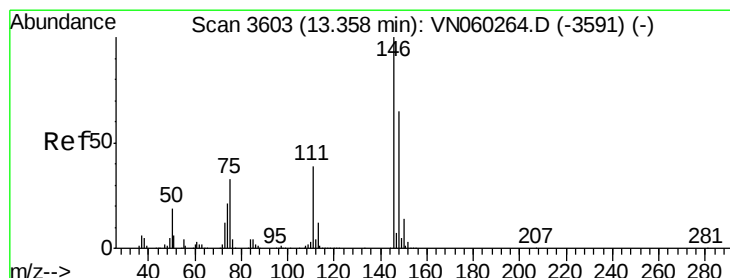
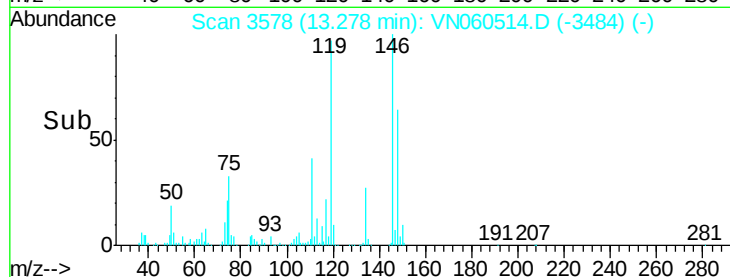
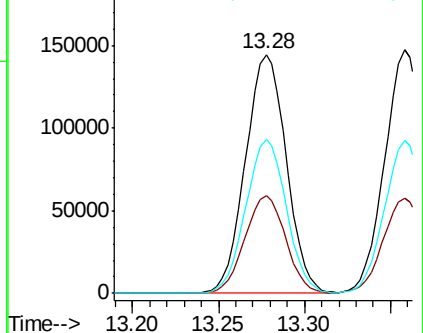
148 64.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.886 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

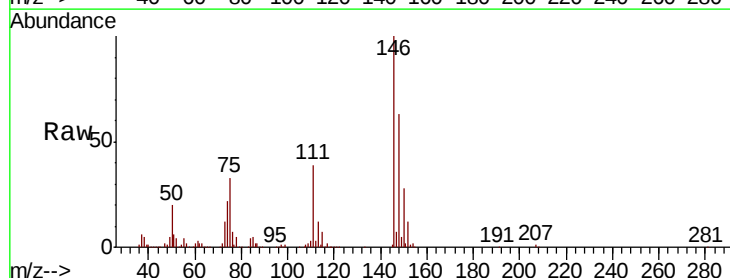
Tgt Ion:146 Resp: 240115

Ion Ratio Lower Upper

146 100

111 40.1 19.8 59.4

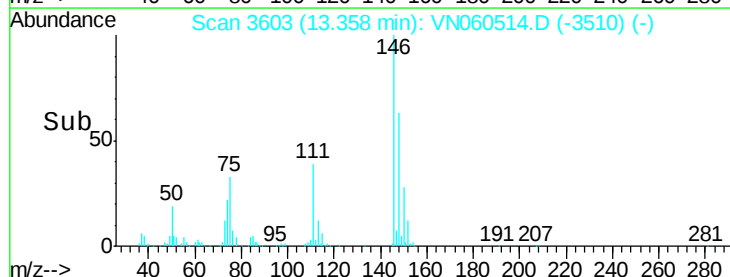
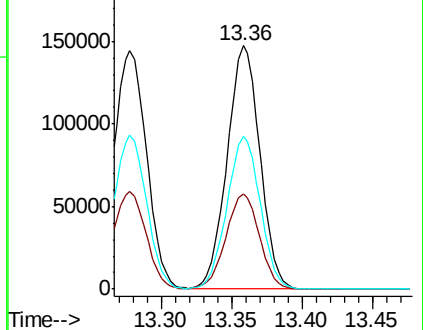
148 63.6 32.3 96.9

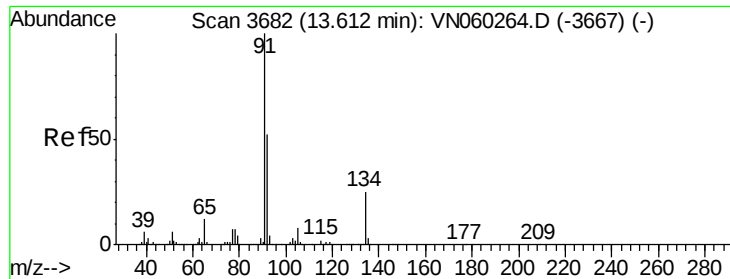


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.775 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

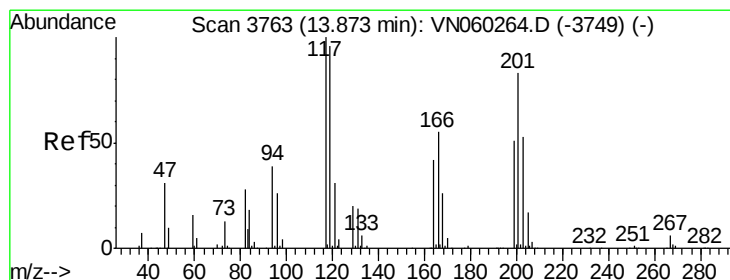
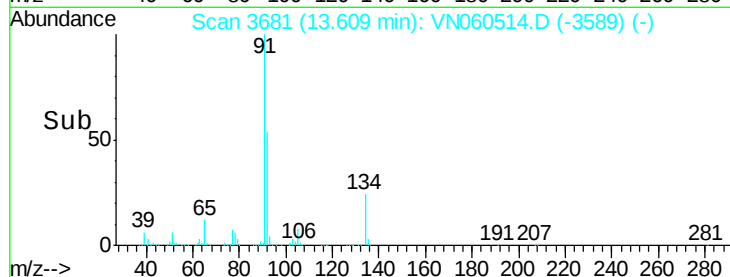
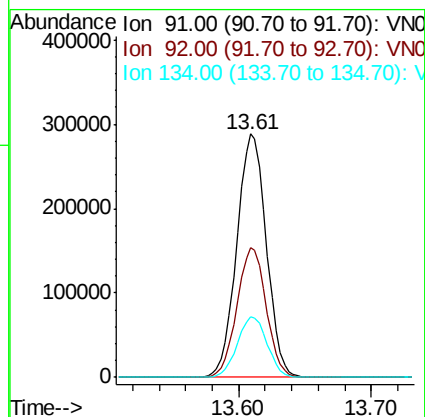
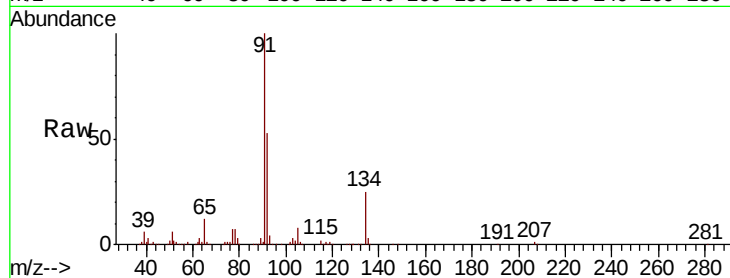
Tot Ion: 91 Resp: 446482

Ion Ratio Lower Upper

91 100

92 52.6 26.0 78.0

134 25.0 12.7 38.1



#90

Hexachloroethane

Concen: 47.555 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060514.D

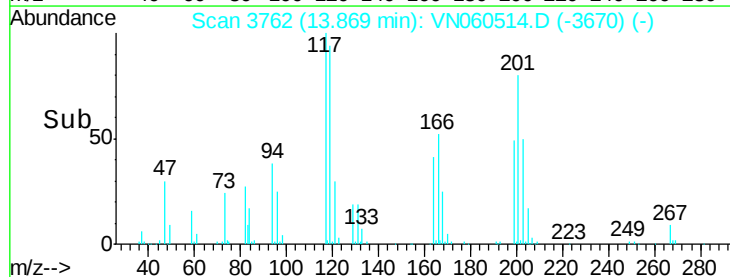
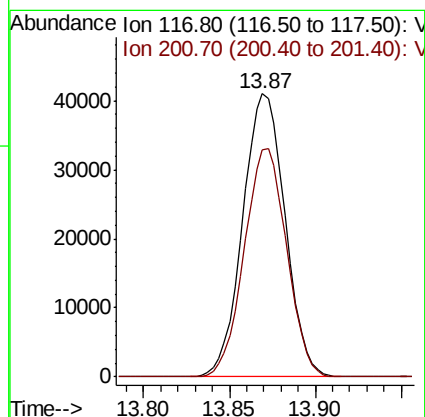
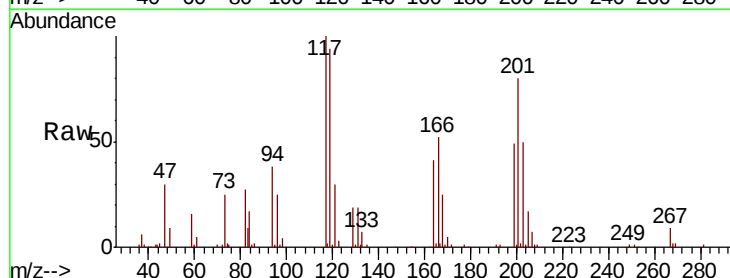
Acq: 16 Mar 2020 11:15

Tgt Ion: 117 Resp: 70077

Ion Ratio Lower Upper

117 100

201 80.8 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 47.383 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

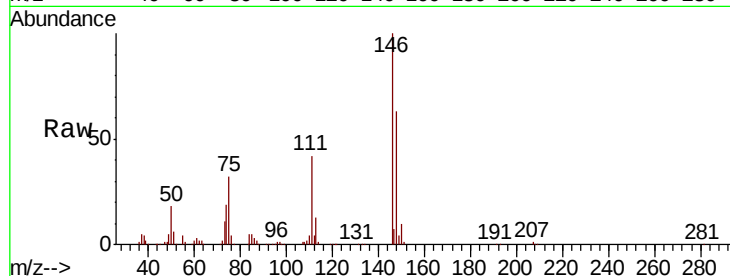
Tot Ion:146 Resp: 229328

Ion Ratio Lower Upper

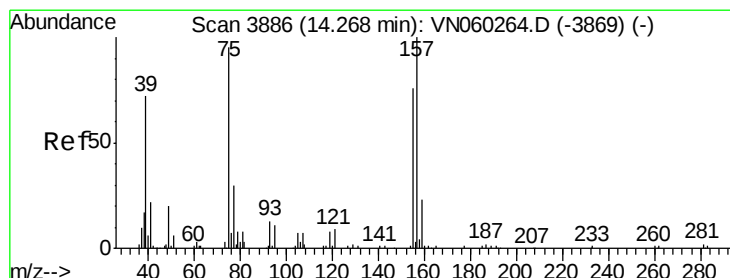
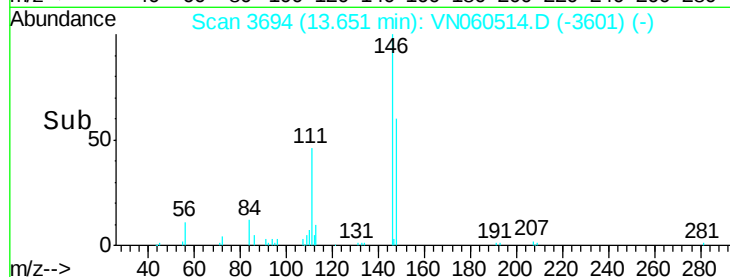
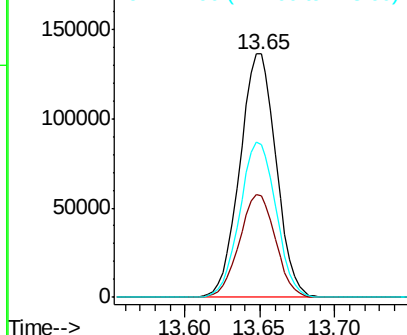
146 100

111 42.1 20.3 61.0

148 63.8 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.094 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

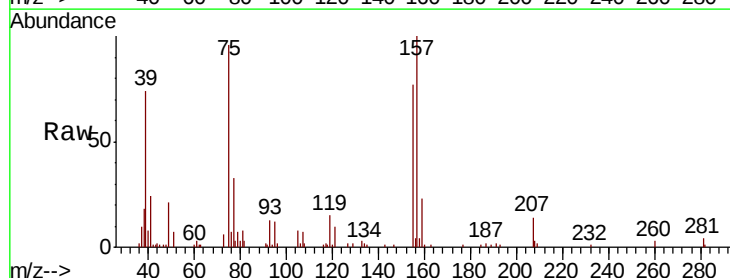
Tgt Ion: 75 Resp: 32665

Ion Ratio Lower Upper

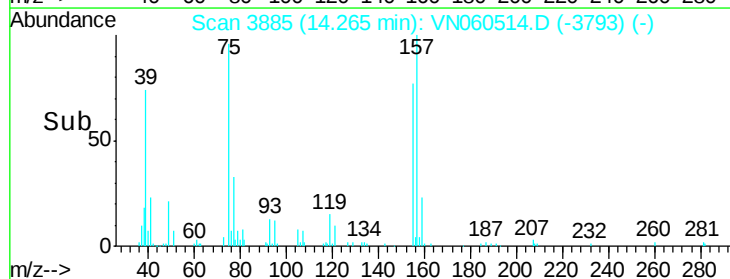
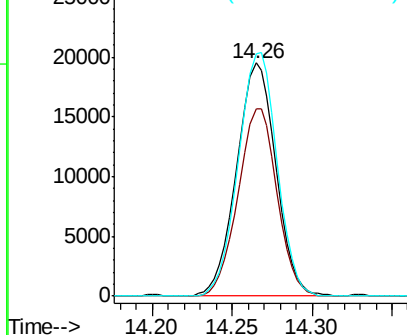
75 100

155 79.5 40.4 121.2

157 102.6 52.5 157.5



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

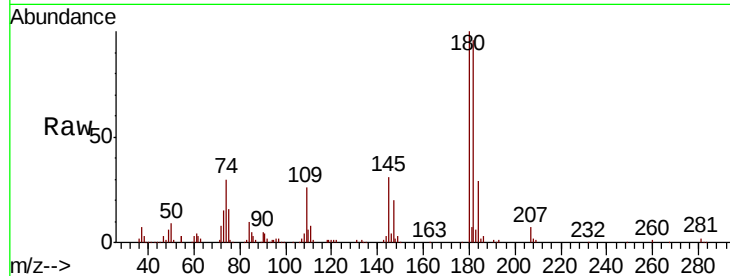




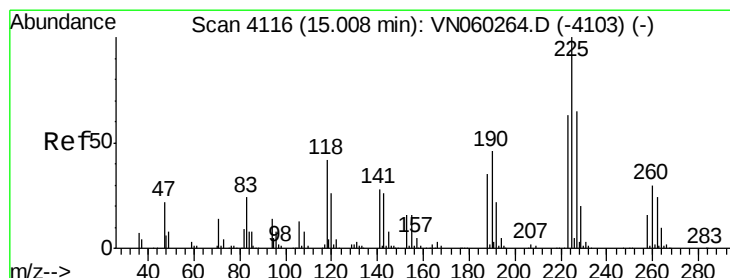
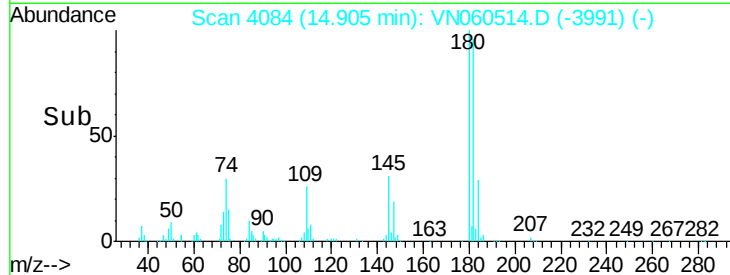
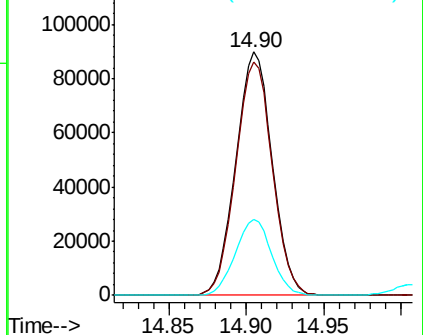
#93
 1,2,4-Trichlorobenzene
 Concen: 47.630 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 146464
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.8 143.3
 145 31.1 15.4 46.1

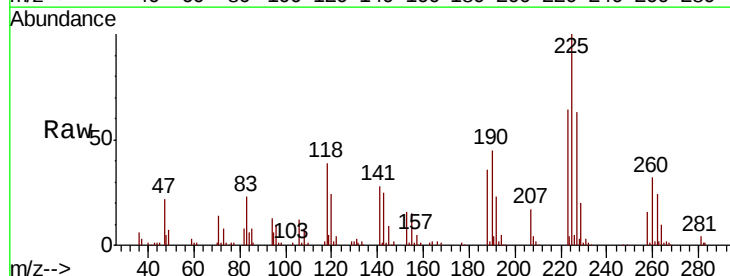


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

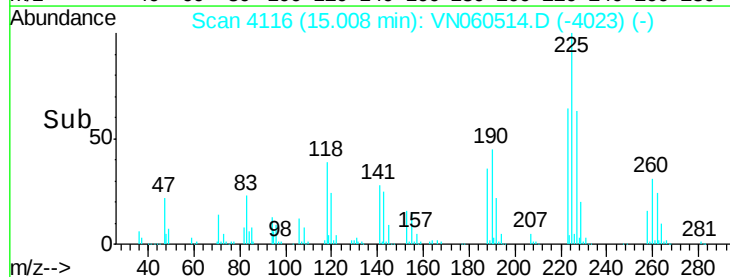
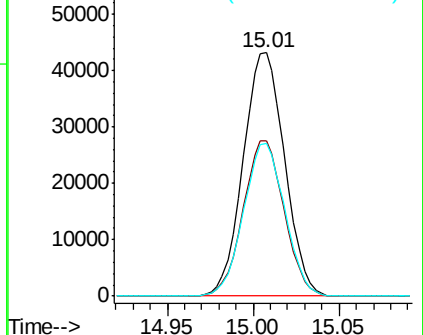


#94
 Hexachlorobutadiene
 Concen: 51.161 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060514.D
 Acq: 16 Mar 2020 11:15

Tgt Ion:225 Resp: 72306
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.3 93.9
 227 62.3 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.650 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

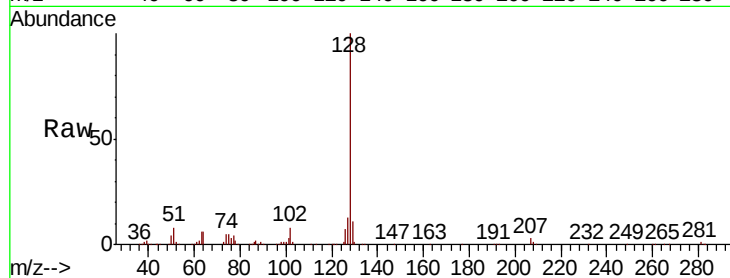
Tot Ion:128 Resp: 422735

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

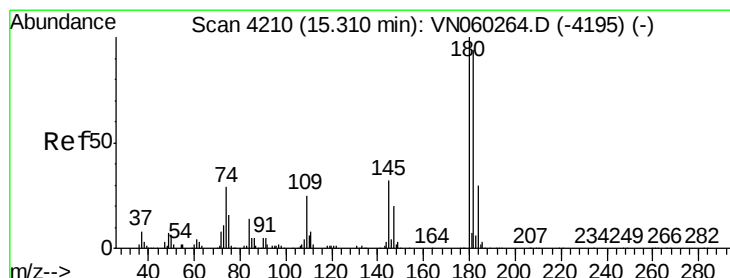
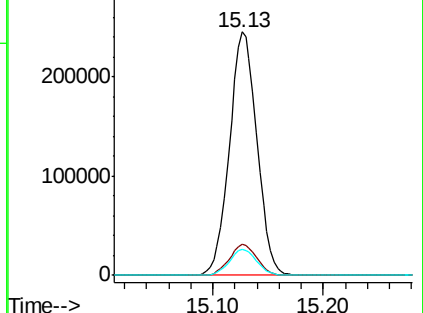
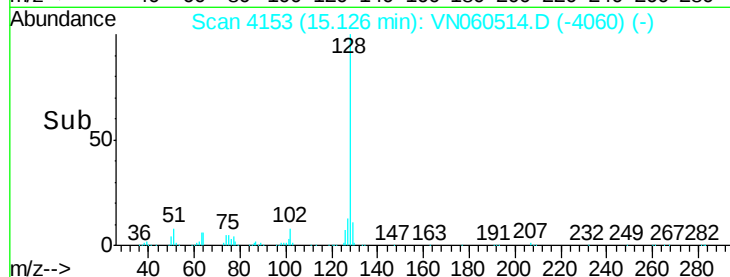
129 10.7 8.6 13.0



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: 48.160 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060514.D

Acq: 16 Mar 2020 11:15

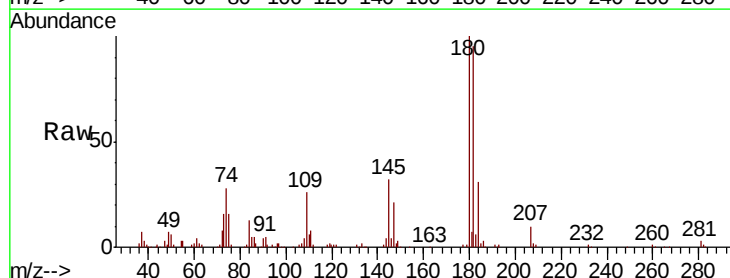
Tgt Ion:180 Resp: 139502

Ion Ratio Lower Upper

180 100

182 94.8 47.3 142.0

145 31.9 16.2 48.5



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

