

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060543.D
 Acq On : 17 Mar 2020 9:25
 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 18 06:39:48 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	209353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	341407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146794	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	129792	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
35) Dibromofluoromethane	7.56	113	99172	62.58	ug/l	0.00
Spiked Amount			Recovery	=	125.16%	
50) Toluene-d8	10.08	98	384933	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	146670	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	77563	40.409	ug/l	99
3) Chloromethane	2.03	50	145370	43.500	ug/l	99
4) Vinyl Chloride	2.16	62	115555	40.320	ug/l	99
5) Bromomethane	2.53	94	52992	45.731	ug/l	98
6) Chloroethane	2.68	64	73259	47.178	ug/l	96
7) Trichlorofluoromethane	3.00	101	167583	45.766	ug/l	99
8) Diethyl Ether	3.38	74	70094	50.700	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	103359	49.876	ug/l	99
10) Methyl Iodide	3.92	142	80188	42.398	ug/l	99
11) Tert butyl alcohol	4.72	59	108828	272.861	ug/l	100
12) 1,1-Dichloroethene	3.71	96	97302	48.376	ug/l	100
13) Acrolein	3.57	56	113012	303.728	ug/l	99
14) Allyl chloride	4.29	41	181377	48.909	ug/l	97
15) Acrylonitrile	4.94	53	310597	295.450	ug/l	99
16) Acetone	3.78	43	327112	377.118	ug/l	99
17) Carbon Disulfide	4.03	76	229767	42.949	ug/l	99
18) Methyl Acetate	4.28	43	164989	56.997	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	384565	52.662	ug/l	98
20) Methylene Chloride	4.52	84	117620	49.376	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	103922	48.075	ug/l	94
22) Diisopropyl ether	5.91	45	421037	56.050	ug/l	99
23) Vinyl Acetate	5.85	43	1672271	280.156	ug/l	98
24) 1,1-Dichloroethane	5.82	63	223933	52.664	ug/l	100
25) 2-Butanone	6.79	43	462309	329.971	ug/l	99
26) 2,2-Dichloropropane	6.79	77	198618	51.309	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	130500	47.244	ug/l	98
28) Bromochloromethane	7.17	49	83850	48.029	ug/l	95
29) Tetrahydrofuran	7.18	42	275966	283.256	ug/l	97
30) Chloroform	7.34	83	218892	51.712	ug/l	99
31) Cyclohexane	7.63	56	182378	50.269	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	185585	49.484	ug/l	100
36) 1,1-Dichloropropene	7.77	75	154797	47.575	ug/l	99
37) Ethyl Acetate	6.89	43	174358	56.593	ug/l	99
38) Carbon Tetrachloride	7.75	117	147437	46.540	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	176475	46.001	ug/l	97
40) Benzene	8.02	78	478214	50.496	ug/l	99
41) Methacrylonitrile	7.18	41	253038	177.873	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	171541	50.196	ug/l	99
43) Isopropyl Acetate	8.14	43	303336	56.239	ug/l	99
44) Trichloroethene	8.82	130	125223	47.477	ug/l	100
45) 1,2-Dichloropropane	9.10	63	135461	54.709	ug/l	100
46) Dibromomethane	9.19	93	80295	49.978	ug/l	99
47) Bromodichloromethane	9.38	83	173730	53.167	ug/l	99
48) Methyl methacrylate	9.18	41	133669	54.346	ug/l	96
49) 1,4-Dioxane	9.18	88	38344	1108.578	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	886881	290.009	ug/l	100
52) Toluene	10.14	92	293881	49.401	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	202346	50.537	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	215923	52.044	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	121546	50.807	ug/l	97
56) Ethyl methacrylate	10.42	69	191099	55.602	ug/l	96
57) 1,3-Dichloropropane	10.70	76	208753	53.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	489214	272.159	ug/l	98
59) 2-Hexanone	10.74	43	675129	300.679	ug/l	99
60) Dibromochloromethane	10.89	129	129875	53.383	ug/l	99
61) 1,2-Dibromoethane	10.99	107	120677	51.746	ug/l	98
64) Tetrachloroethene	10.62	164	121187	49.281	ug/l	99
65) Chlorobenzene	11.42	112	311291	49.380	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	119569	51.298	ug/l	100
67) Ethyl Benzene	11.50	91	583223	50.803	ug/l	99
68) m/p-Xylenes	11.61	106	425421	98.219	ug/l	99
69) o-Xylene	11.94	106	207999	50.359	ug/l	100
70) Styrene	11.96	104	346612	51.041	ug/l	100
71) Bromoform	12.12	173	92969	55.342	ug/l #	99
73) Isopropylbenzene	12.24	105	562093	51.662	ug/l	100
74) N-amyl acetate	12.06	43	263655	55.455	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	172462	58.313	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	237826	73.844	ug/l #	100
77) Bromobenzene	12.52	156	133384	50.012	ug/l	94
78) n-propylbenzene	12.59	91	659260	51.692	ug/l	99
79) 2-Chlorotoluene	12.67	91	388826	51.865	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	473017	51.636	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	66511	57.007	ug/l #	84
82) 4-Chlorotoluene	12.77	91	402267	50.930	ug/l	98
83) tert-Butylbenzene	12.99	119	400349	50.477	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	468868	50.709	ug/l	100
85) sec-Butylbenzene	13.17	105	539086	50.757	ug/l	99
86) p-Isopropyltoluene	13.28	119	484576	49.294	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	239882	52.353	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	238940	52.453	ug/l	99
89) n-Butylbenzene	13.61	91	444738	49.284	ug/l	99
90) Hexachloroethane	13.87	117	71729	50.411	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	230844	49.397	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34401	51.364	ug/l	98

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QLast Update : Thu Feb 27 13:52:50 2020
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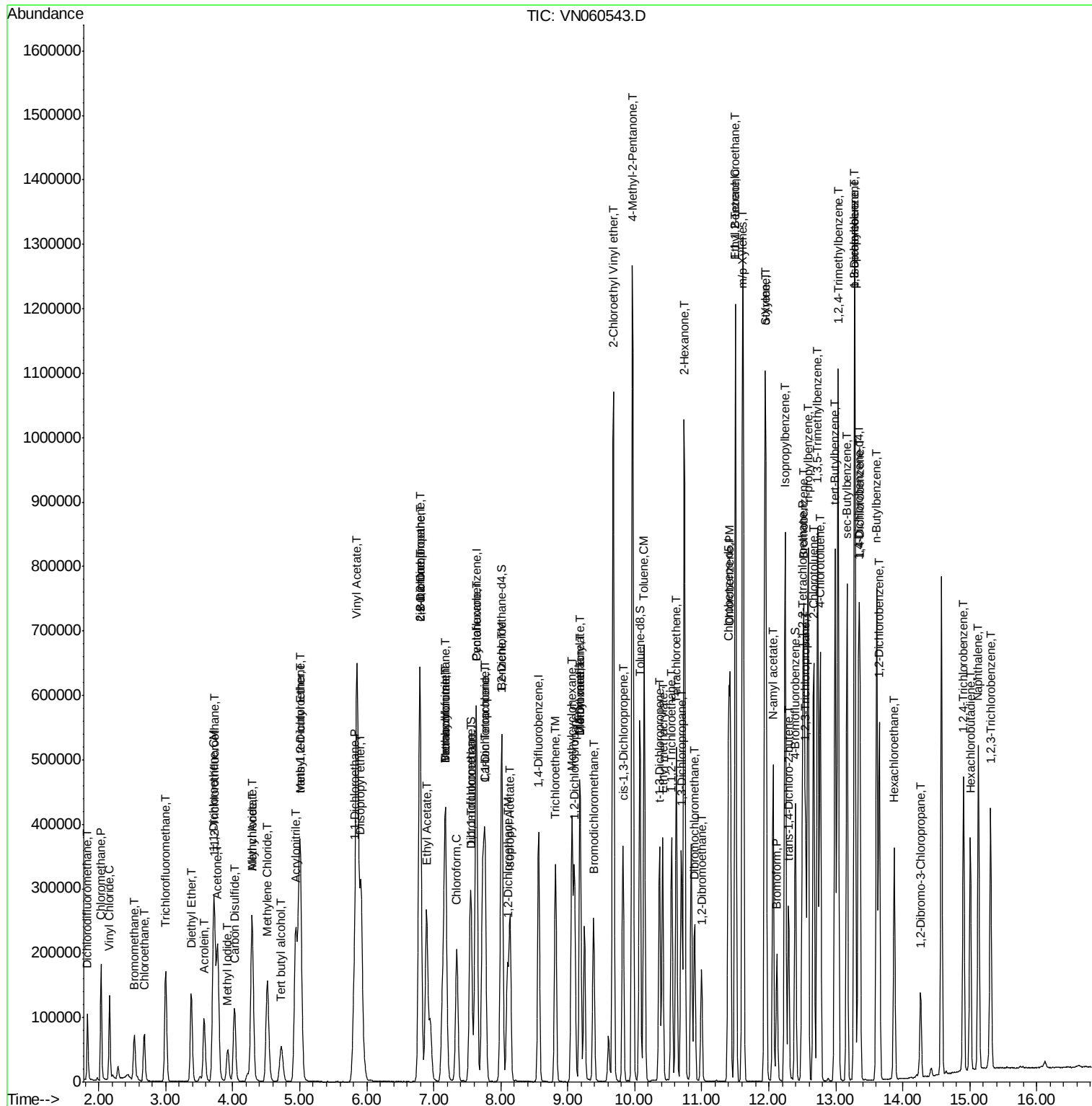
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	143777	48.421	ug/l	100
94) Hexachlorobutadiene	15.01	225	72602	53.224	ug/l	99
95) Naphthalene	15.13	128	421864	48.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	139120	49.746	ug/l	100

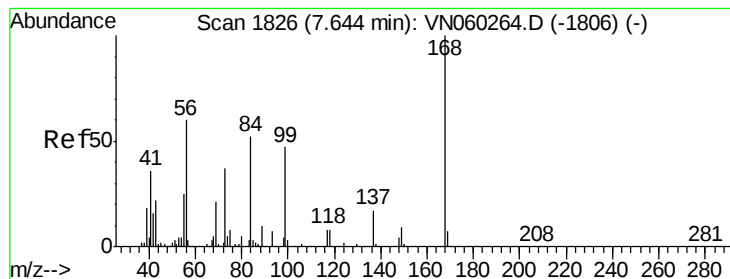
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

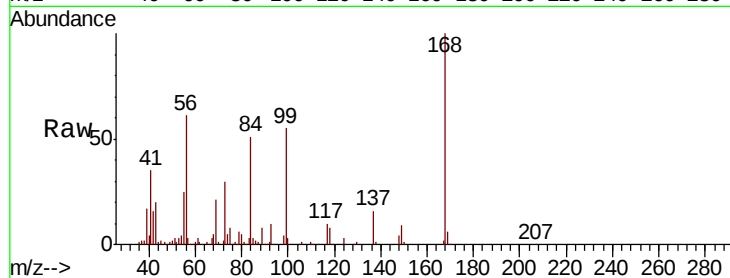
VSTDCCC050

Tot Ion:168 Resp: 209353

Ion Ratio Lower Upper

168 100

99 55.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

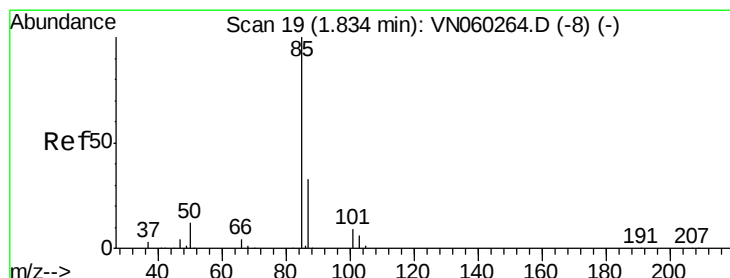
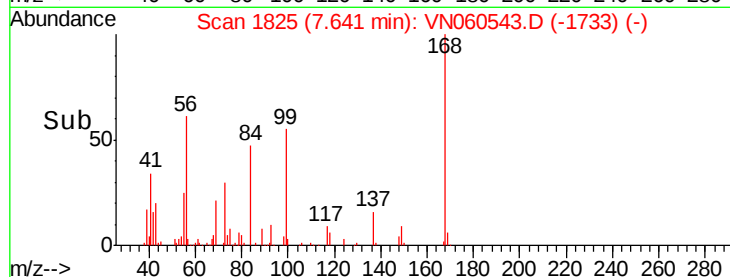
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.409 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060543.D

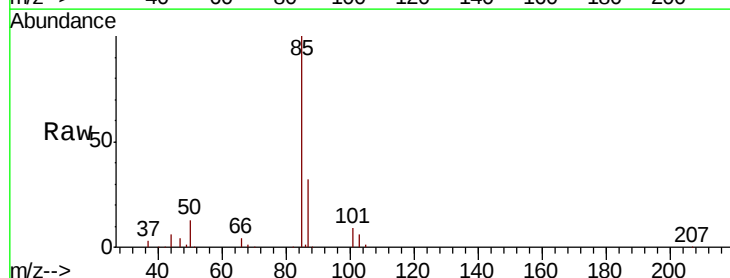
Acq: 17 Mar 2020 9:25

Tgt Ion: 85 Resp: 77563

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

40000

20000

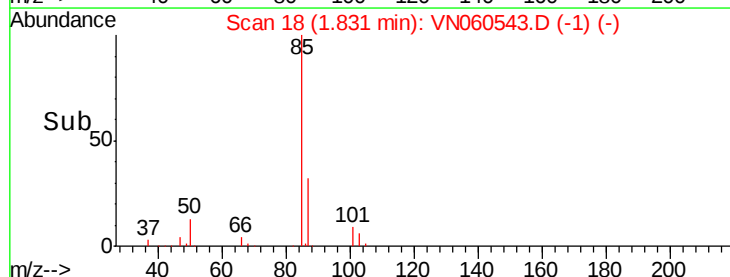
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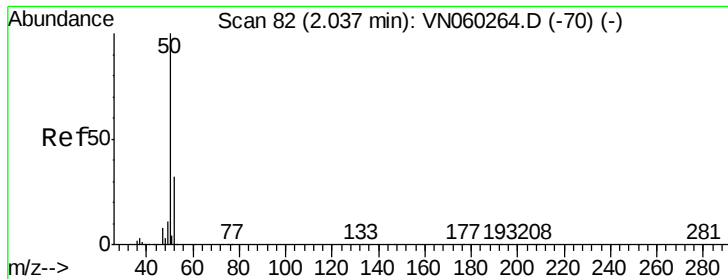
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 43.500 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

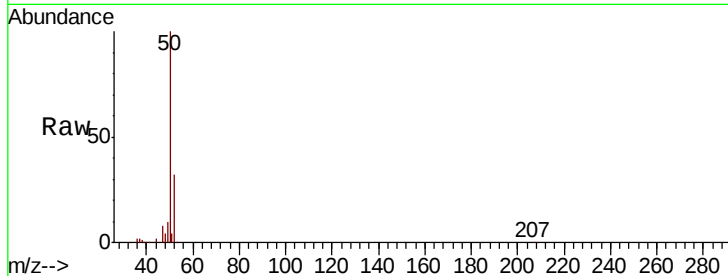
VSTDCCC050

Tot Ion: 50 Resp: 145370

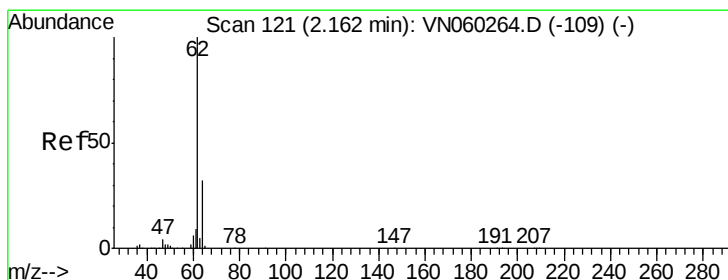
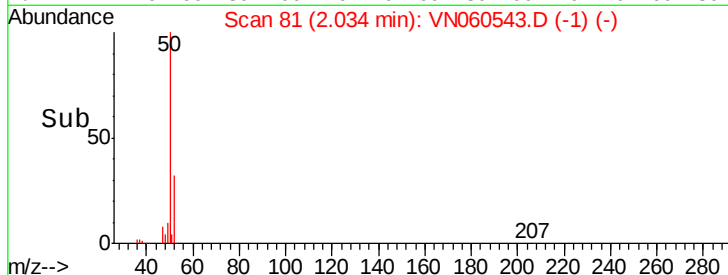
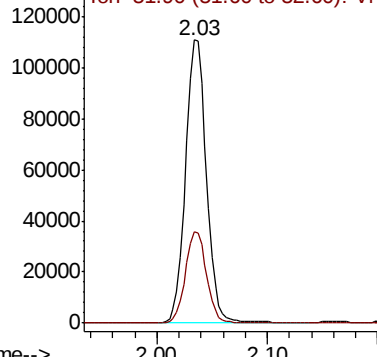
Ion Ratio Lower Upper

50 100

52 32.3 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: 40.320 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060543.D

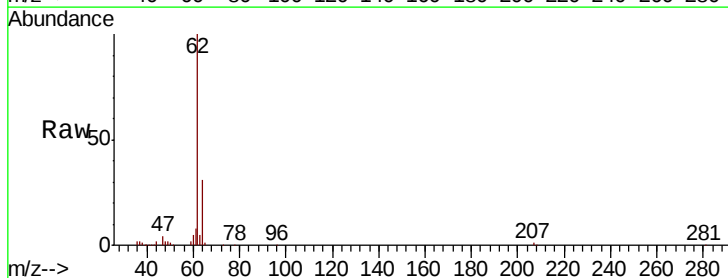
Acq: 17 Mar 2020 9:25

Tgt Ion: 62 Resp: 115555

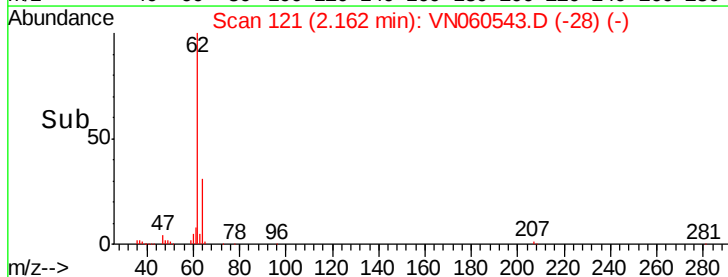
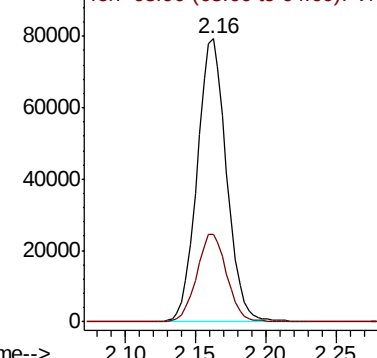
Ion Ratio Lower Upper

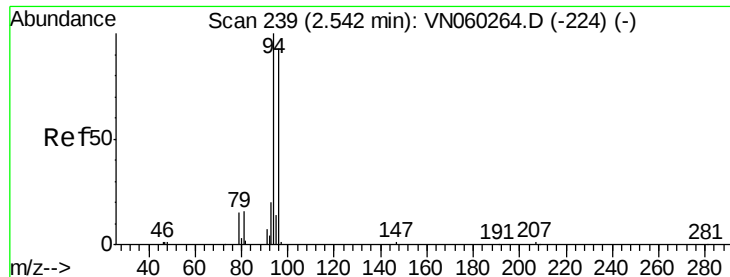
62 100

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: 45.731 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

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ClientSampleId :

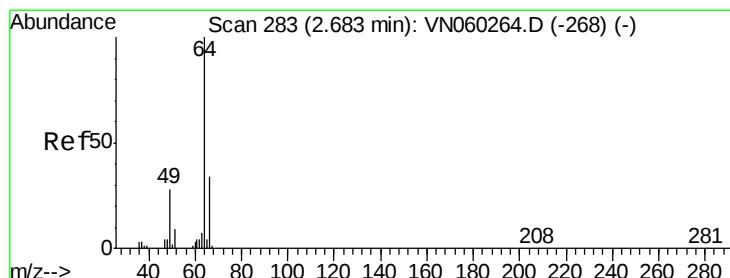
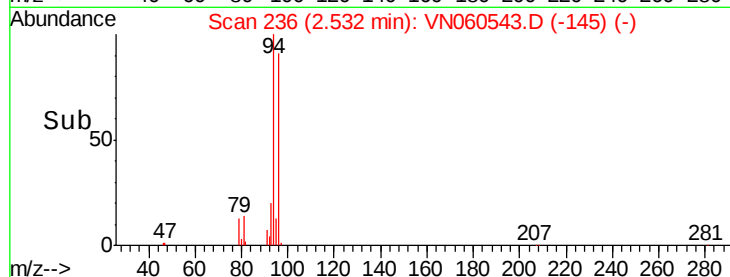
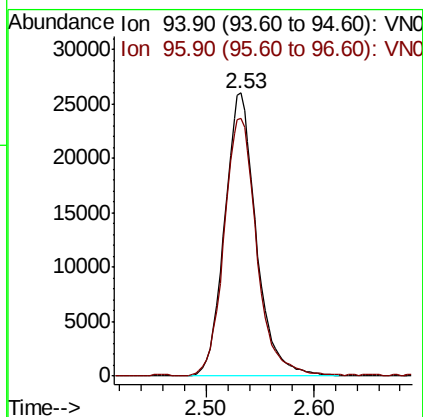
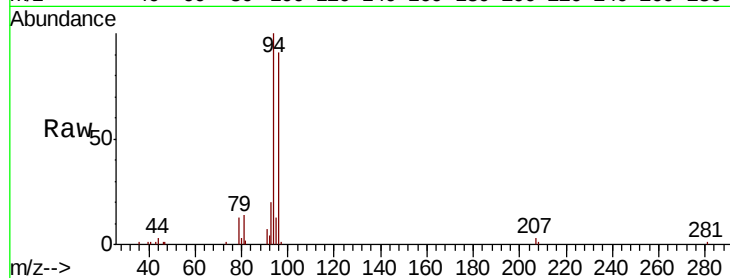
VSTDCCC050

Tot Ion: 94 Resp: 52992

Ion Ratio Lower Upper

94 100

96 91.1 74.3 111.5



#6

Chloroethane

Concen: 47.178 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060543.D

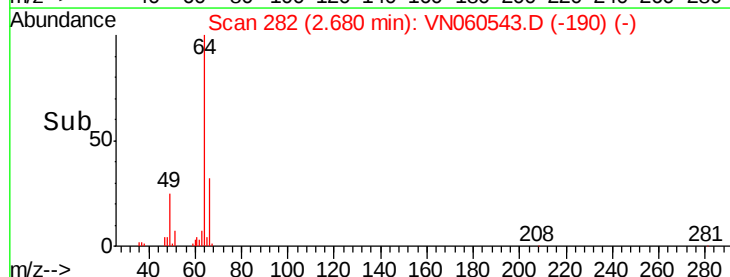
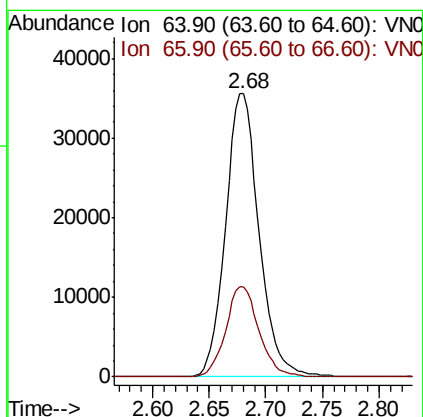
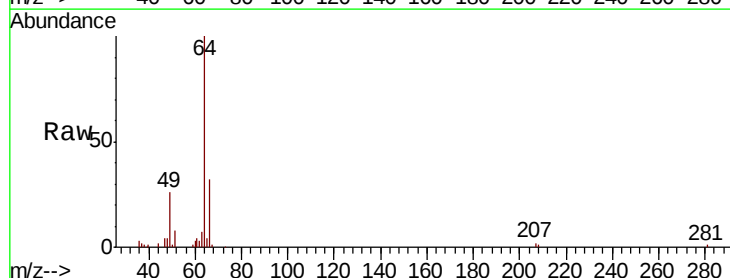
Acq: 17 Mar 2020 9:25

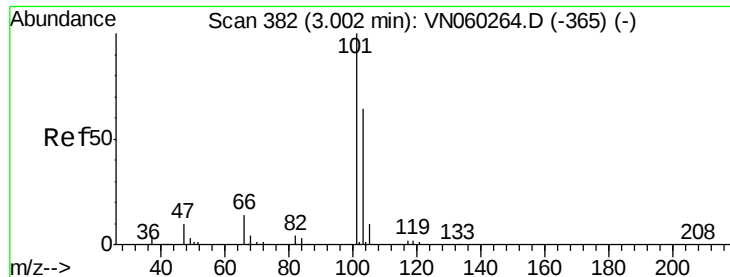
Tgt Ion: 64 Resp: 73259

Ion Ratio Lower Upper

64 100

66 31.9 27.4 41.2



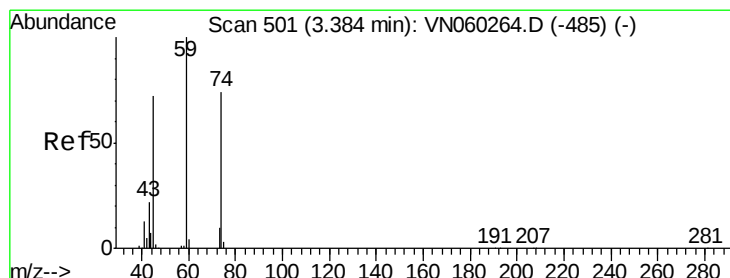
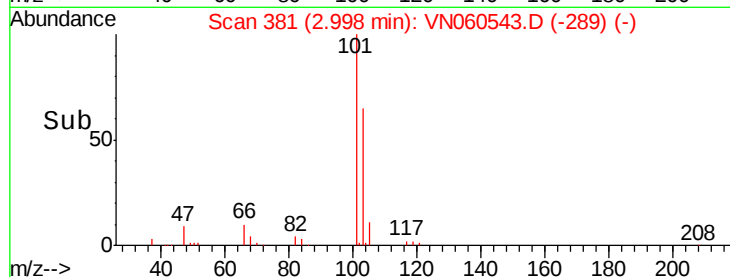
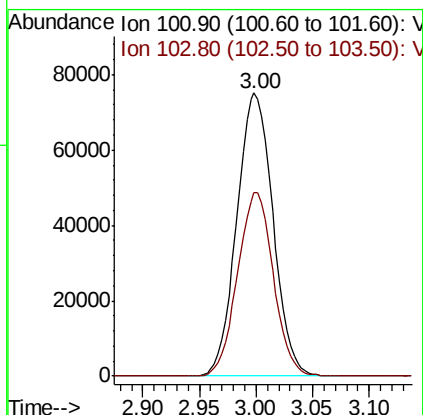
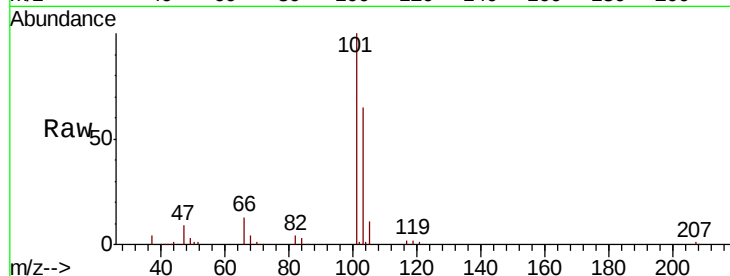


#7

Trichlorofluoromethane
Concen: 45.766 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Instrument :
MSVOA_N
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VSTDCCC050

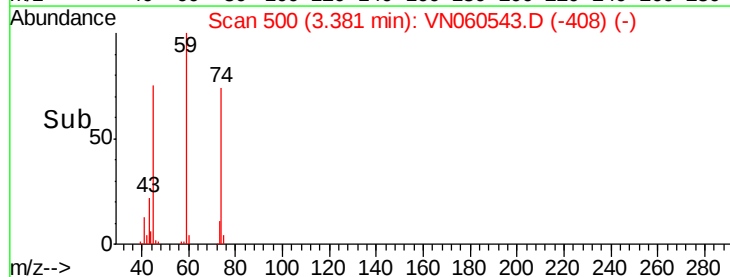
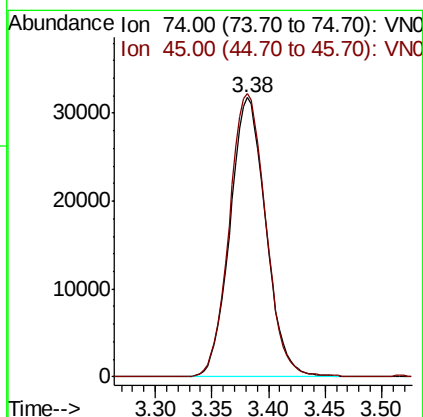
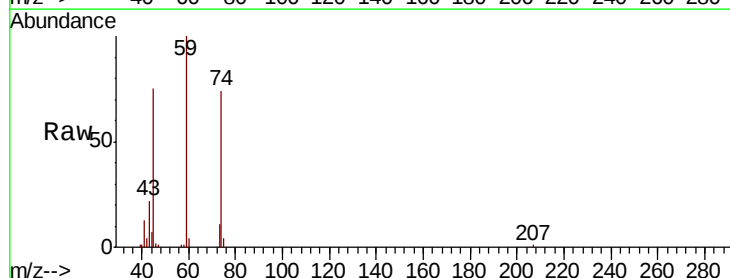
Tot Ion:101 Resp: 167583
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9



#8

Diethyl Ether
Concen: 50.700 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 74 Resp: 70094
Ion Ratio Lower Upper
74 100
45 103.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.876 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

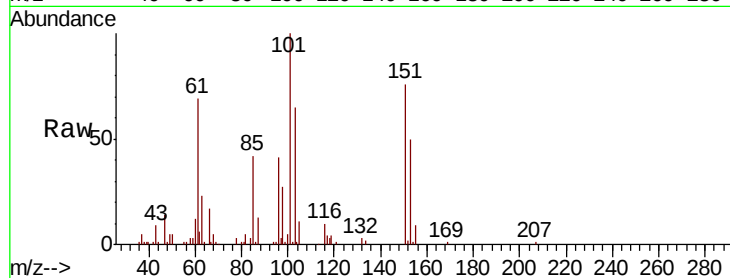
Tot Ion:101 Resp: 103359

Ion Ratio Lower Upper

101 100

85 43.2 35.4 53.2

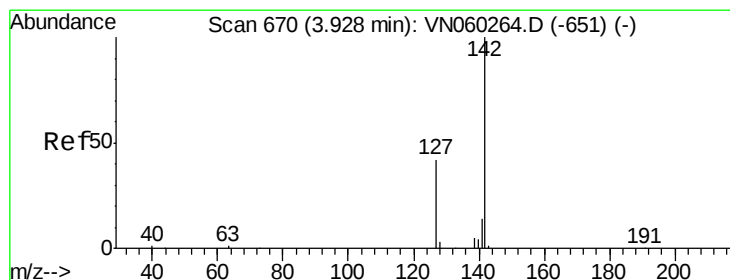
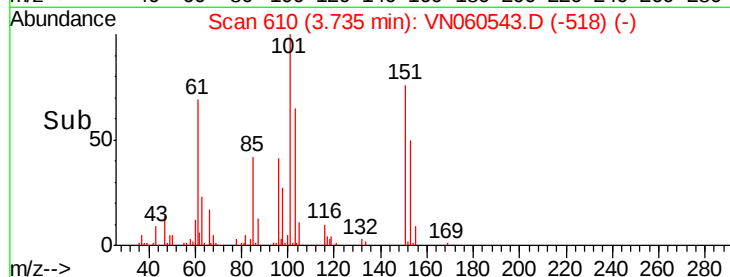
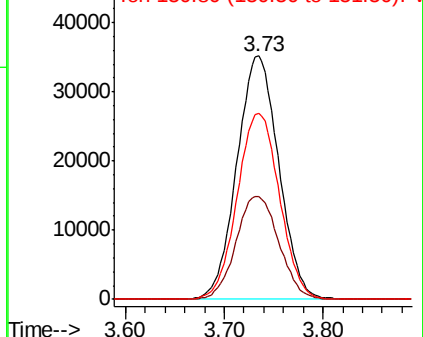
151 77.1 62.0 93.0



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: 42.398 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

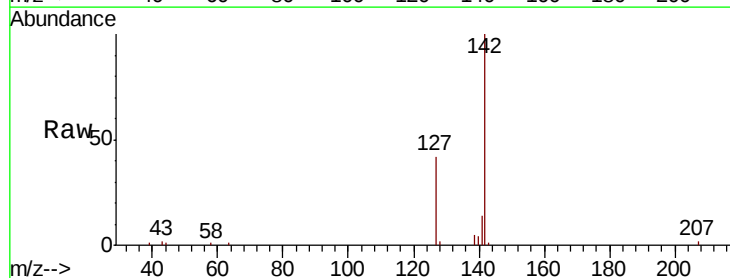
Tgt Ion:142 Resp: 80188

Ion Ratio Lower Upper

142 100

127 41.1 33.8 50.6

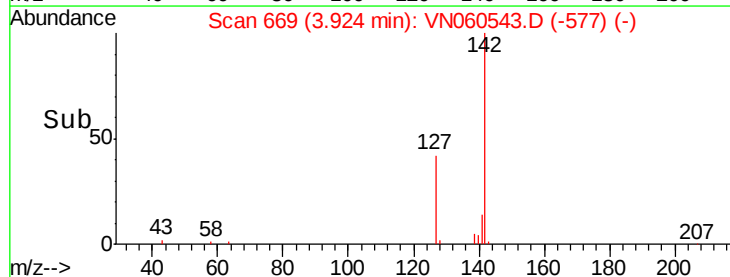
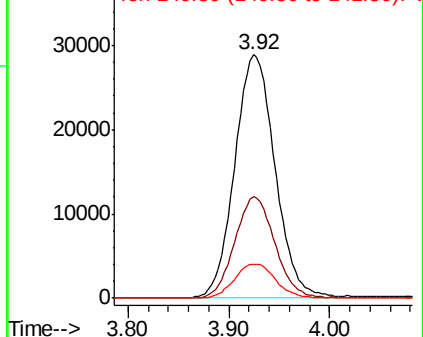
141 14.1 11.1 16.7



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



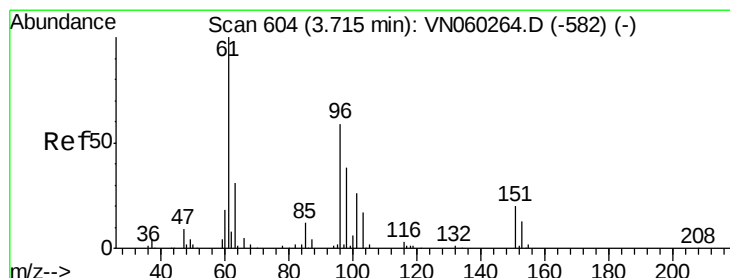
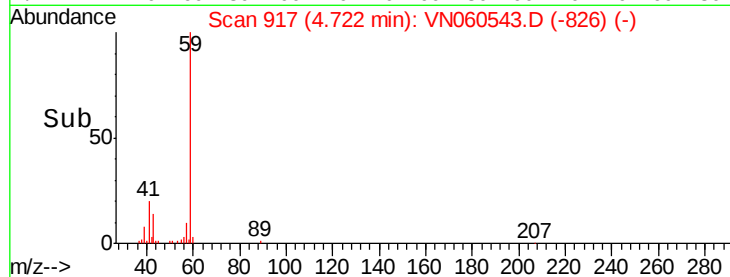
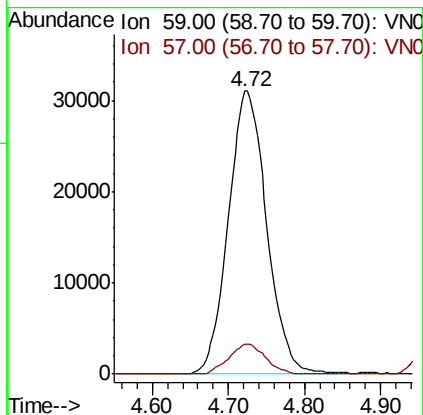
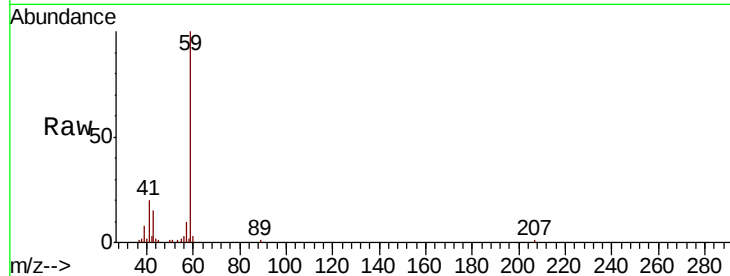


#11

Tert butyl alcohol
 Concen: 272.861 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

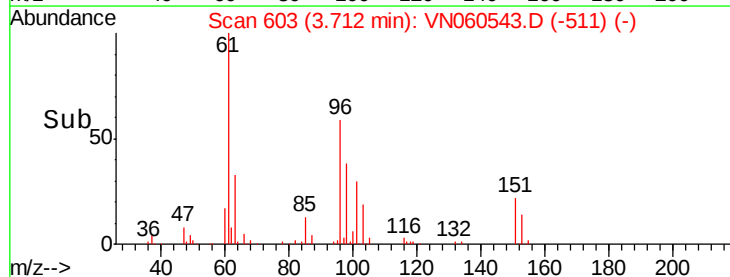
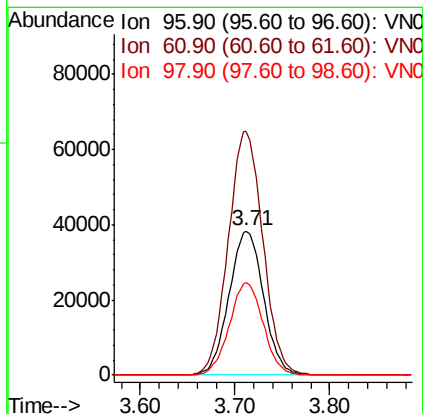
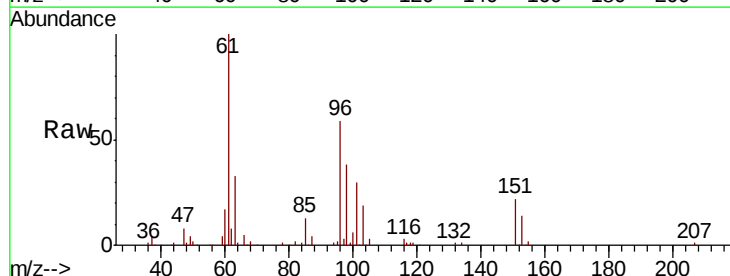
Tot Ion: 59 Resp: 108828
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 48.376 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

Tgt Ion: 96 Resp: 97302
 Ion Ratio Lower Upper
 96 100
 61 168.8 135.4 203.0
 98 64.1 51.6 77.4





#13

Acrolein

Concen: 303.728 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

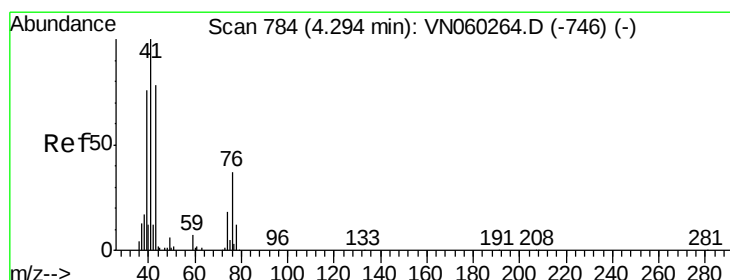
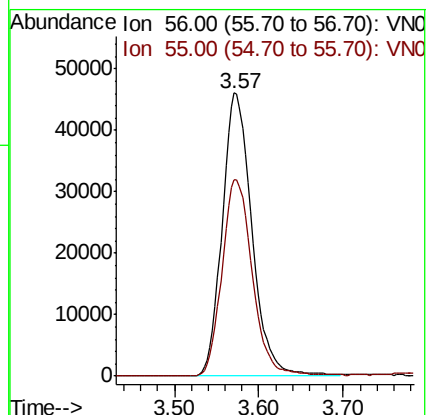
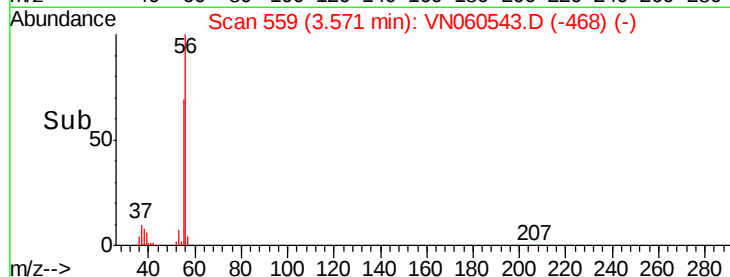
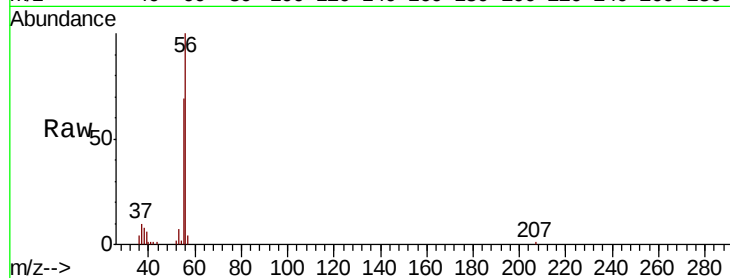
VSTDCCC050

Tot Ion: 56 Resp: 113012

Ion Ratio Lower Upper

56 100

55 70.9 57.4 86.0



#14

Allyl chloride

Concen: 48.909 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

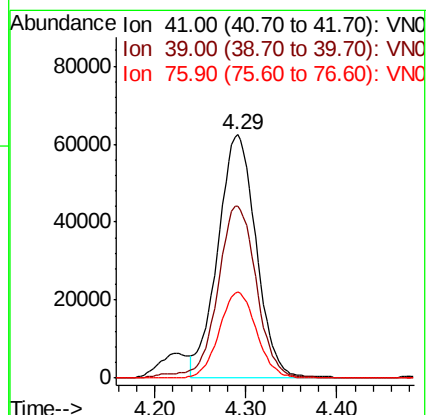
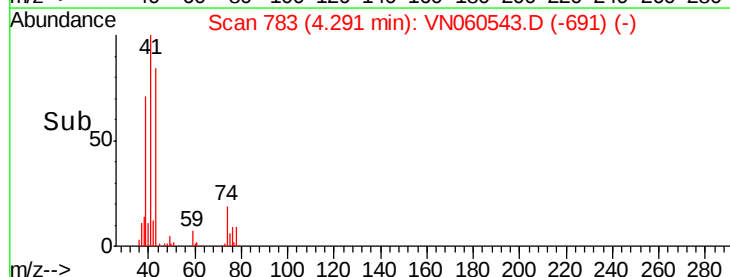
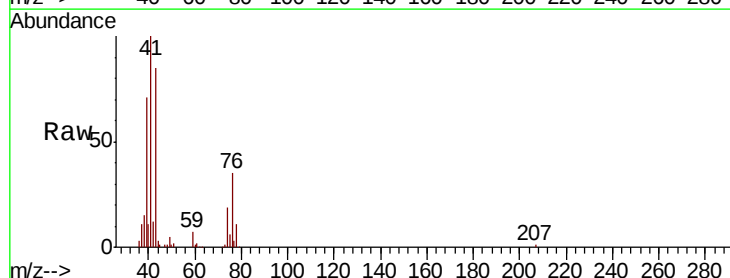
Tgt Ion: 41 Resp: 181377

Ion Ratio Lower Upper

41 100

39 72.3 55.4 83.2

76 34.7 27.0 40.6





#15

Acrylonitrile

Concen: 295.450 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

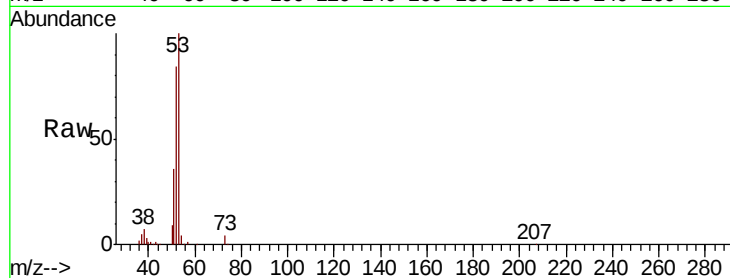
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 310597

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.8	100.2
51	35.8	29.0	43.6

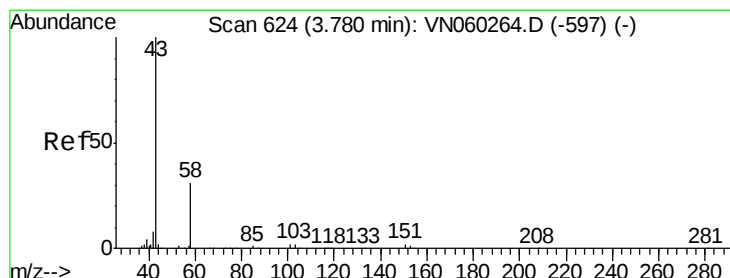
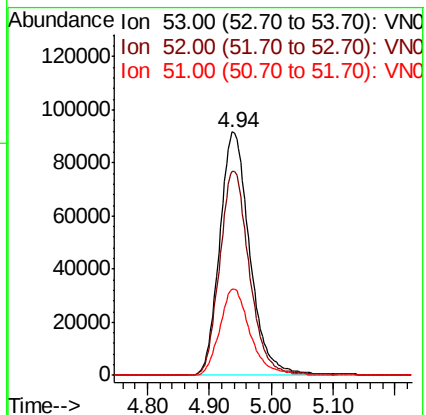
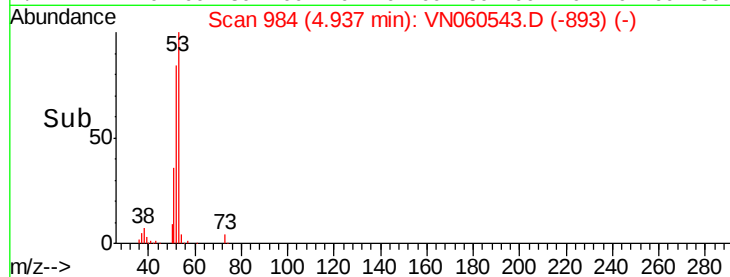


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 377.118 ug/l

RT: 3.78 min Scan# 623

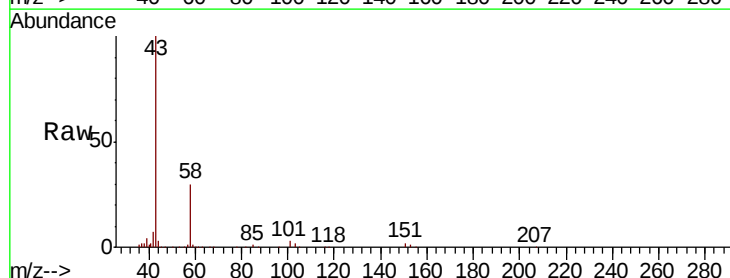
Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Tgt Ion: 43 Resp: 327112

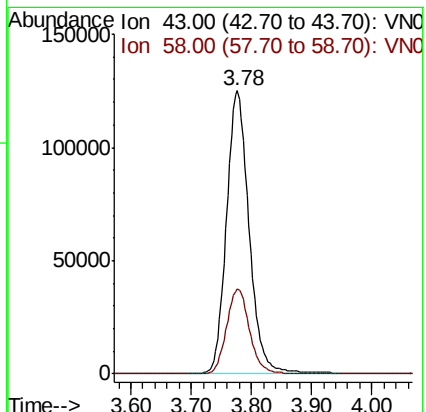
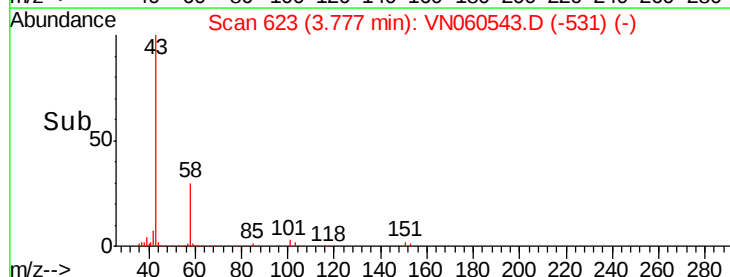
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.6	36.8

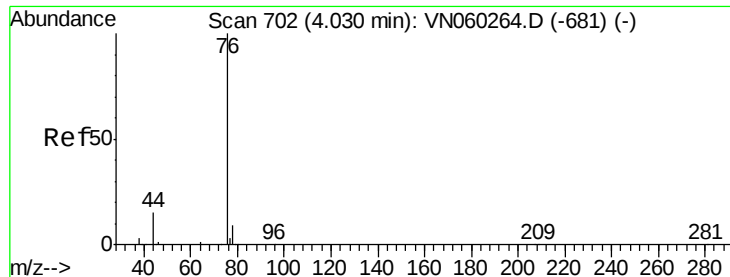


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

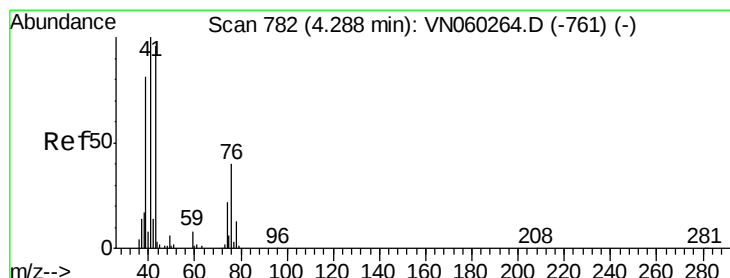
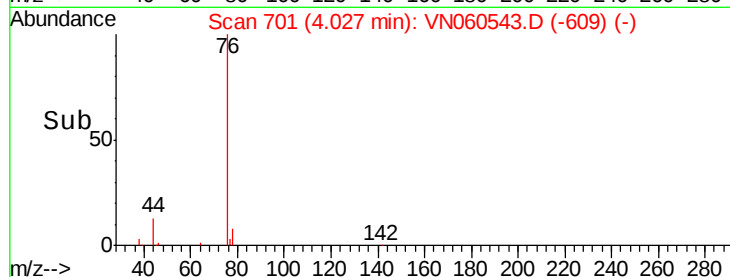
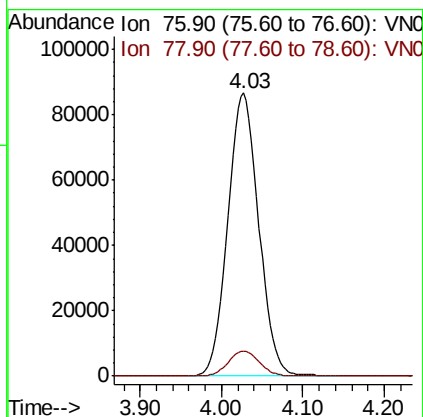
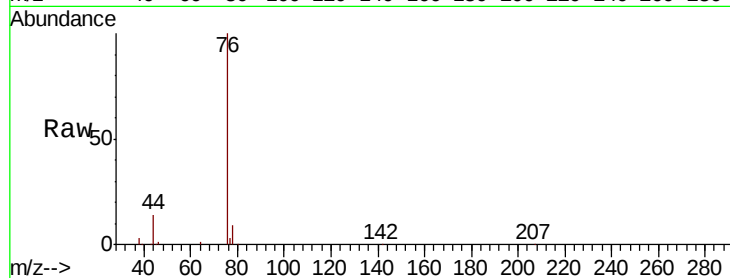




#17
Carbon Disulfide
Concen: 42.949 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

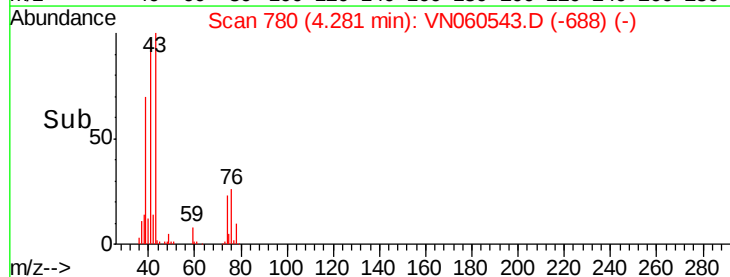
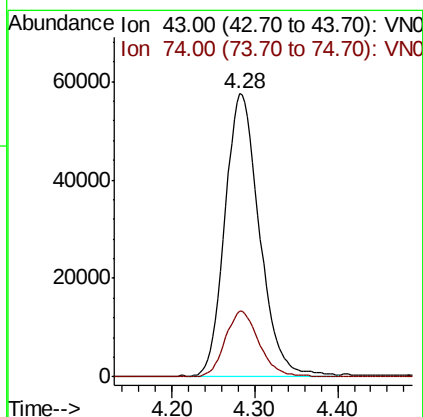
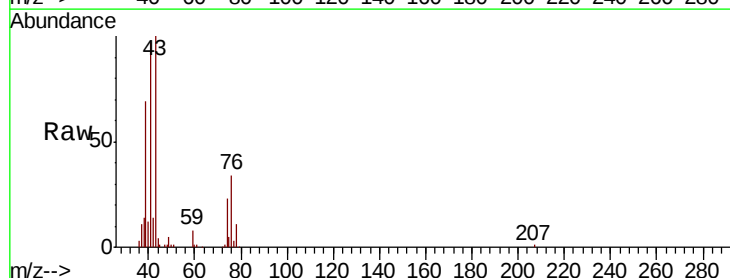
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 229767
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 56.997 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 43 Resp: 164989
Ion Ratio Lower Upper
43 100
74 23.2 18.8 28.2

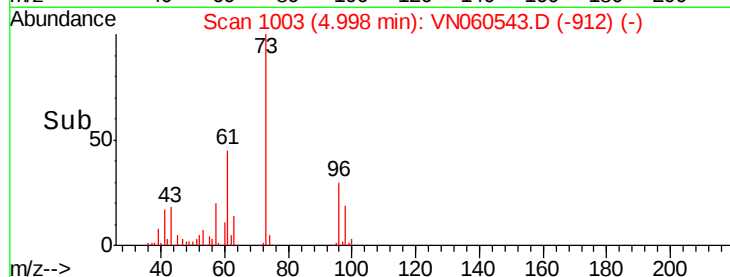
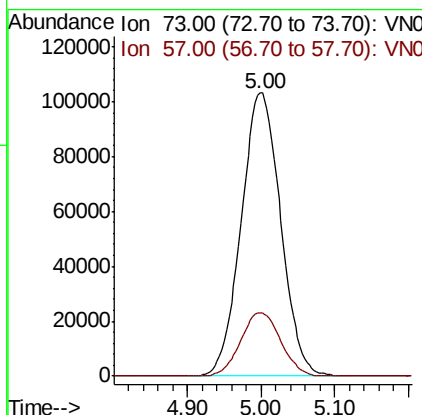
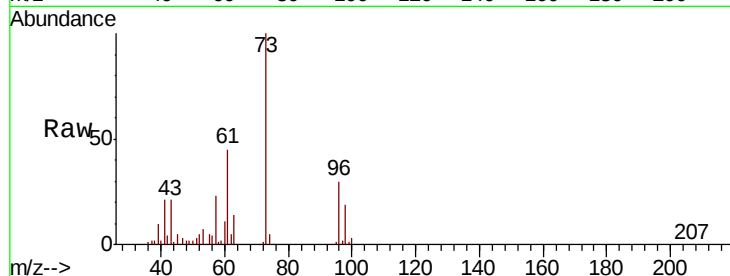




#19
Methyl tert-butyl Ether
Concen: 52.662 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

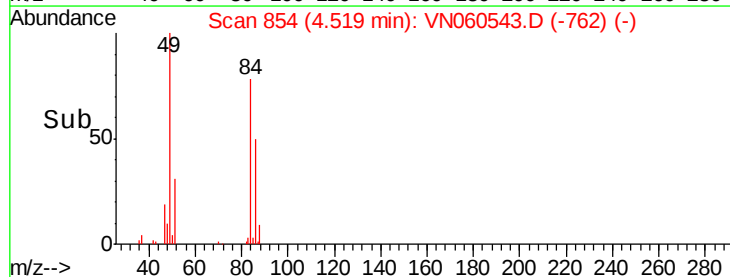
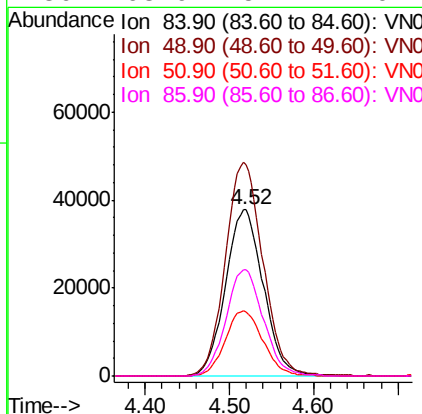
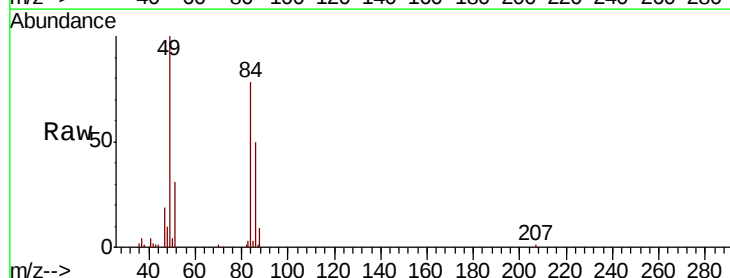
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 384565
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9



#20
Methylene Chloride
Concen: 49.376 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 84 Resp: 117620
Ion Ratio Lower Upper
84 100
49 126.8 99.3 148.9
51 38.9 30.1 45.1
86 63.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.075 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

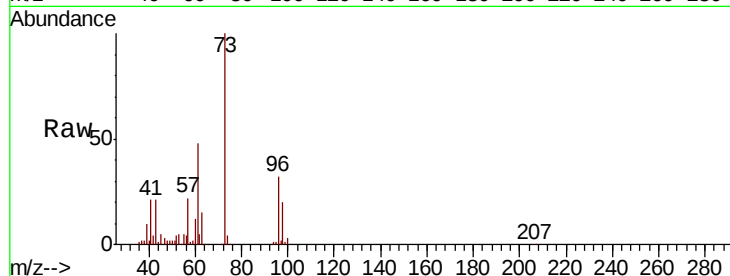
Tot Ion: 96 Resp: 103922

Ion Ratio Lower Upper

96 100

61 151.0 113.8 170.8

98 63.0 48.8 73.2

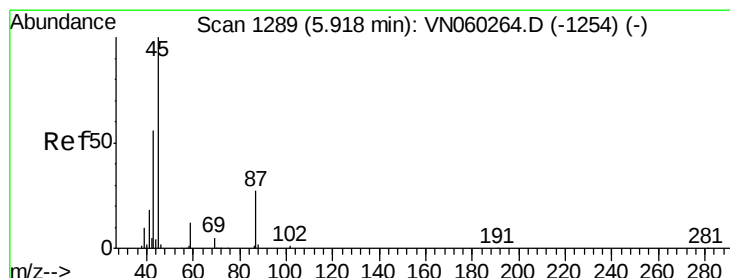
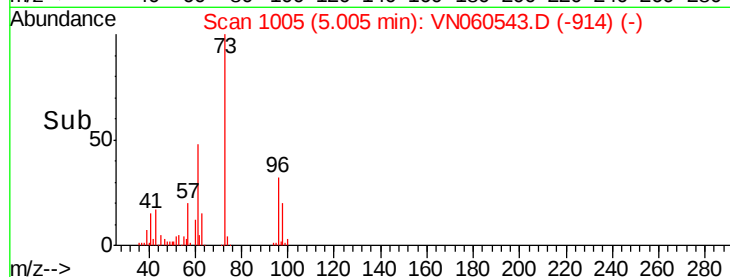
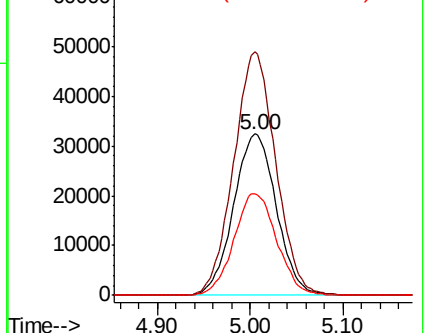


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 56.050 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Tgt Ion: 45 Resp: 421037

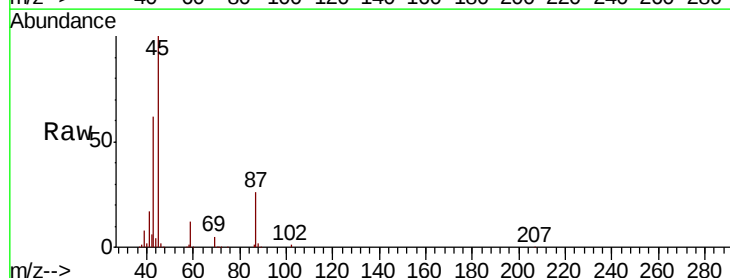
Ion Ratio Lower Upper

45 100

43 61.4 48.6 72.8

87 26.3 22.2 33.2

59 11.6 9.5 14.3



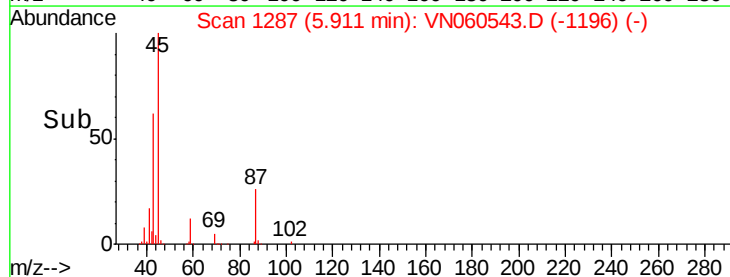
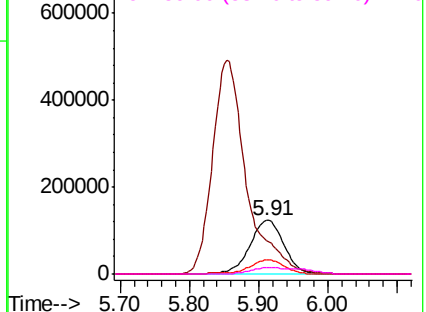
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 280.156 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampled :

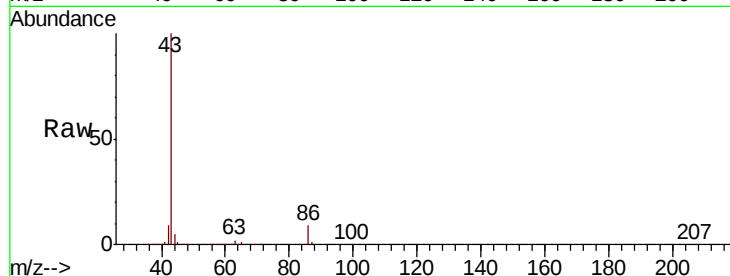
VSTDCCC050

Tot Ion: 43 Resp: 1672271

Ion Ratio Lower Upper

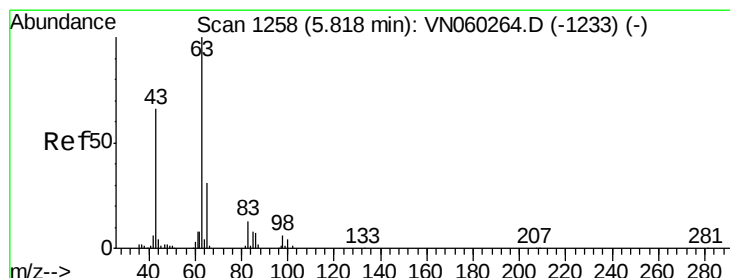
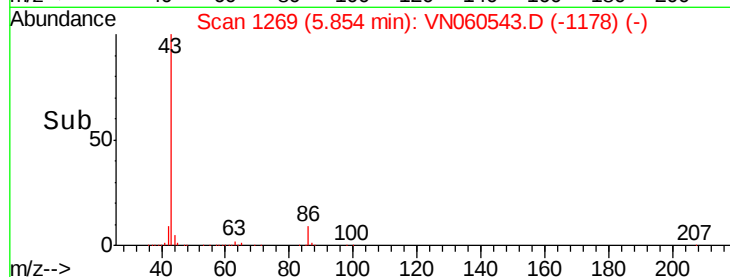
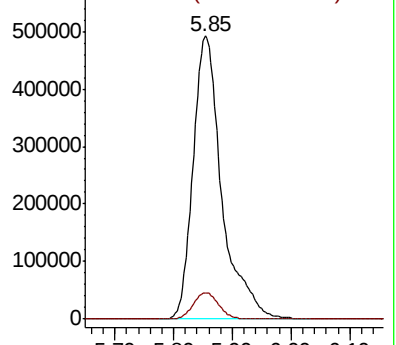
43 100

86 9.4 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.664 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

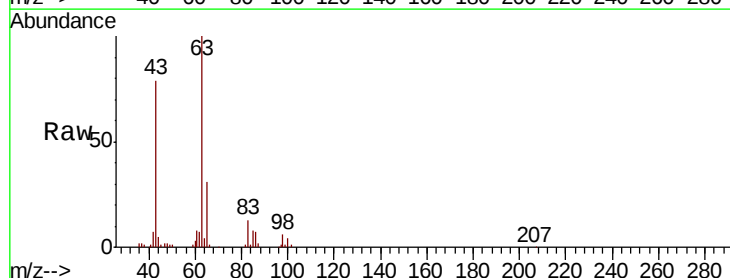
Tgt Ion: 63 Resp: 223933

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

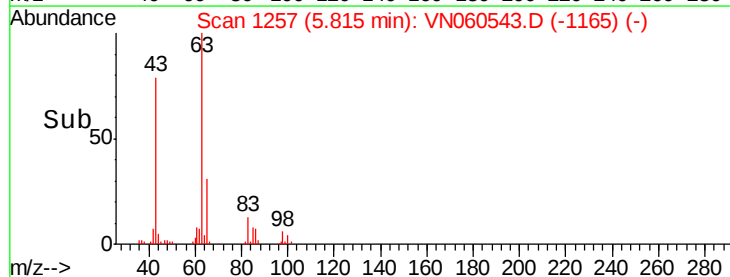
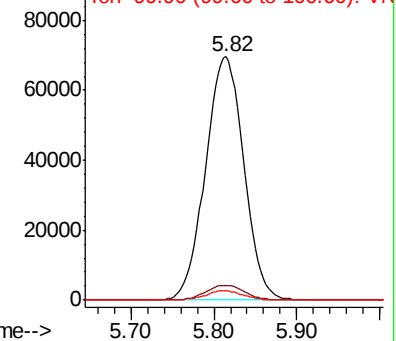
100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 329.971 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

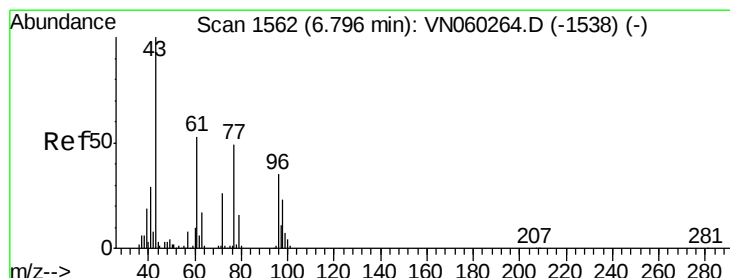
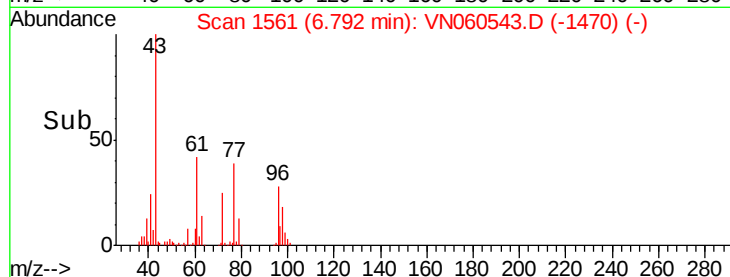
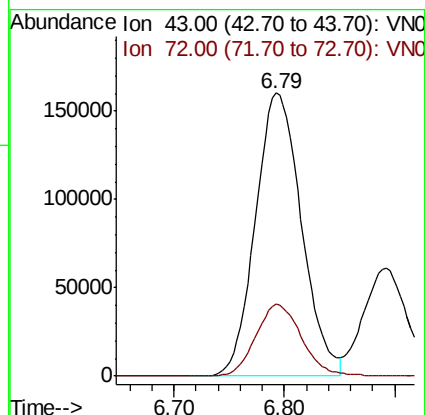
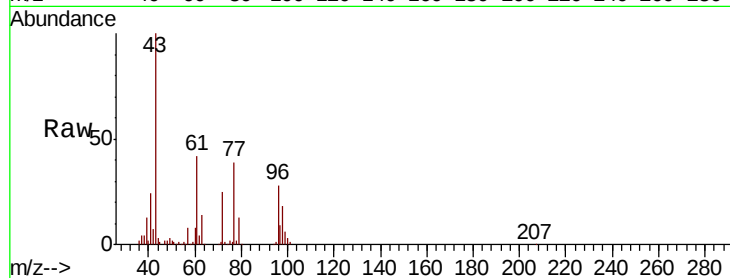
VSTDCCC050

Tot Ion: 43 Resp: 462309

Ion Ratio Lower Upper

43 100

72 25.3 20.9 31.3



#26

2,2-Dichloropropane

Concen: 51.309 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060543.D

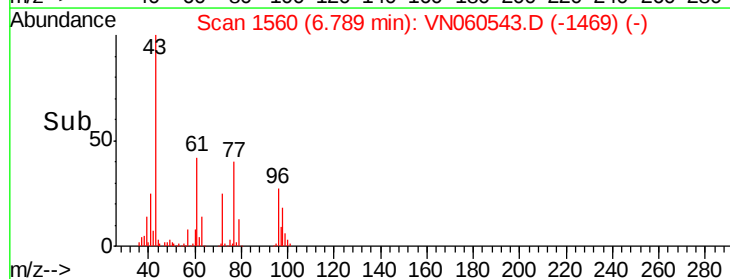
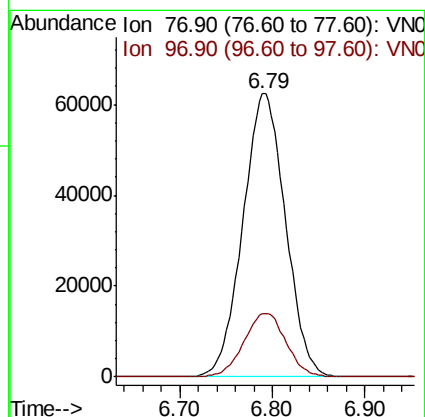
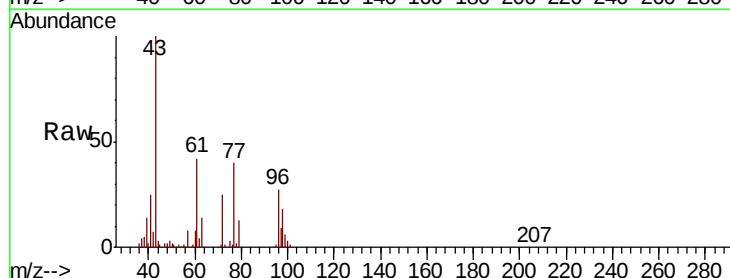
Acq: 17 Mar 2020 9:25

Tgt Ion: 77 Resp: 198618

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 47.244 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

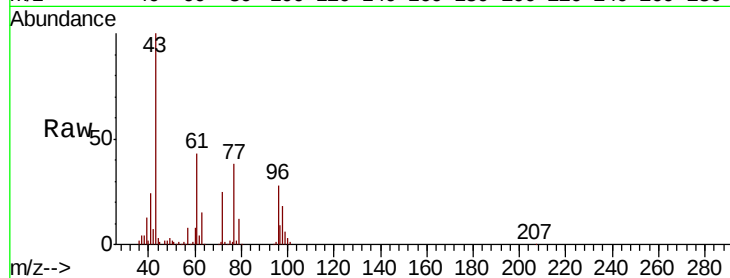
Tot Ion: 96 Resp: 130500

Ion Ratio Lower Upper

96 100

61 154.2 0.0 300.8

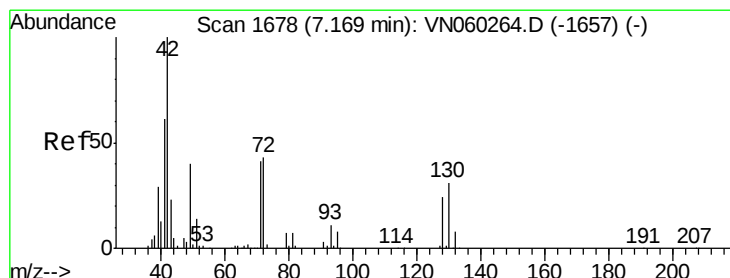
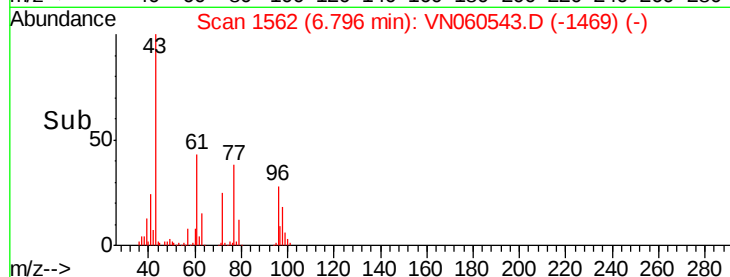
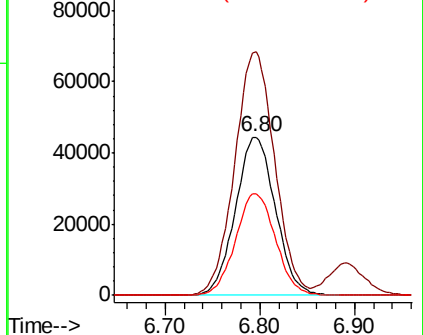
98 64.4 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.029 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

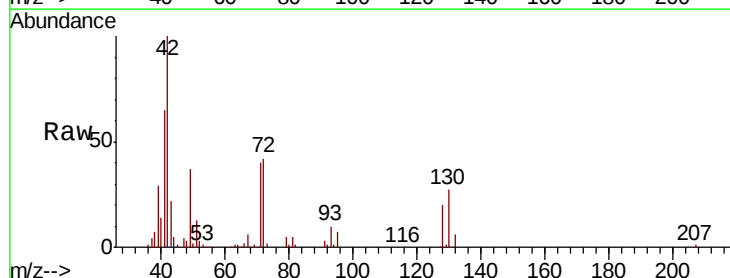
Tgt Ion: 49 Resp: 83850

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

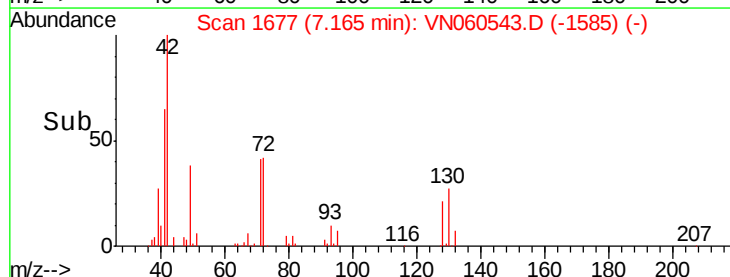
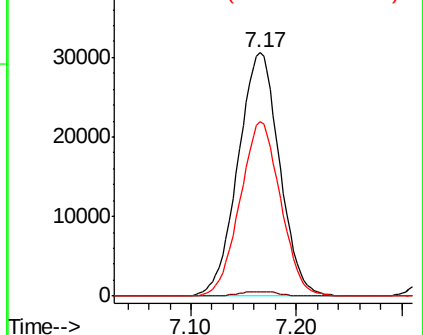
130 70.0 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 283.256 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

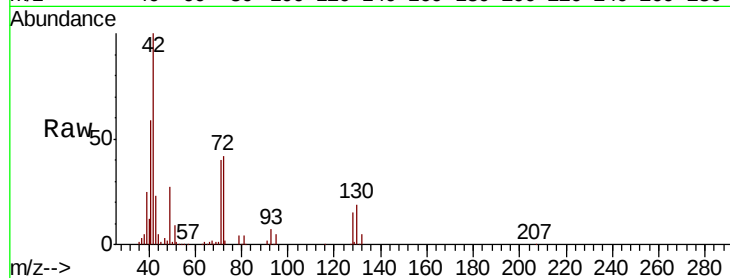
Tot Ion: 42 Resp: 275966

Ion Ratio Lower Upper

42 100

72 41.3 34.6 52.0

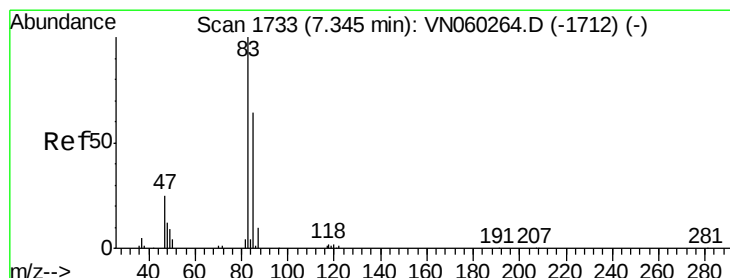
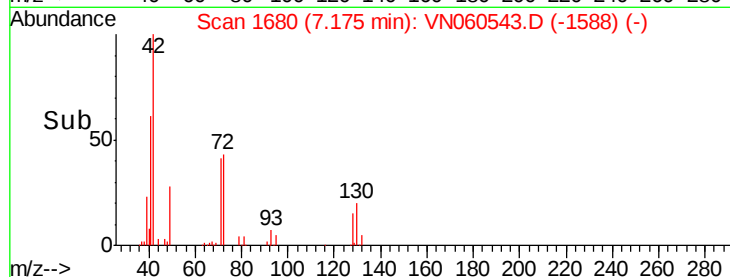
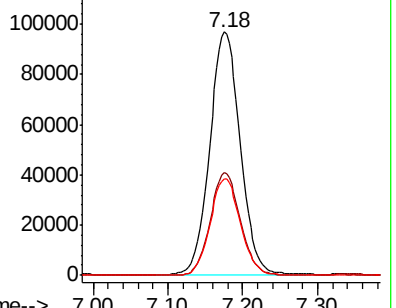
71 39.2 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060264.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN060264.D (-1651) (-)



#30

Chloroform

Concen: 51.712 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060543.D

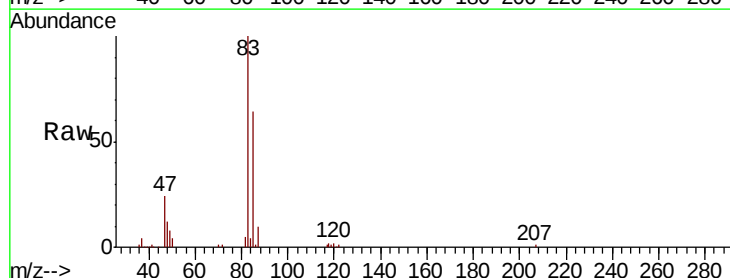
Acq: 17 Mar 2020 9:25

Tgt Ion: 83 Resp: 218892

Ion Ratio Lower Upper

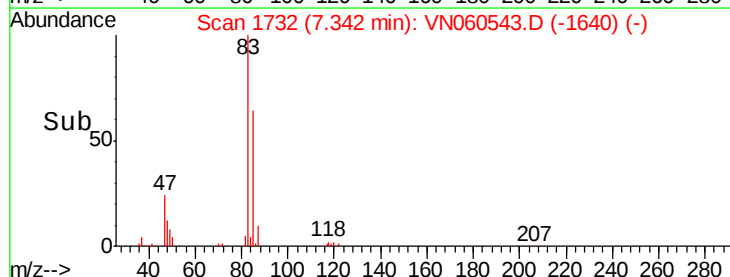
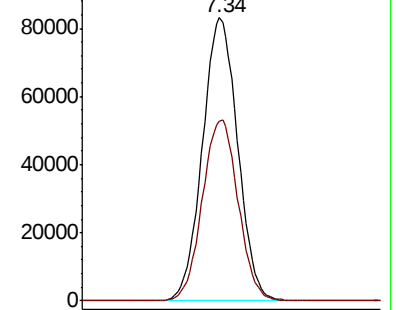
83 100

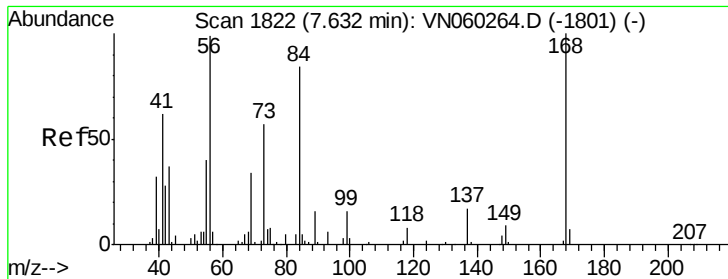
85 63.6 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060264.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN060264.D (-1712) (-)





#31

Cyclohexane

Concen: 50.269 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

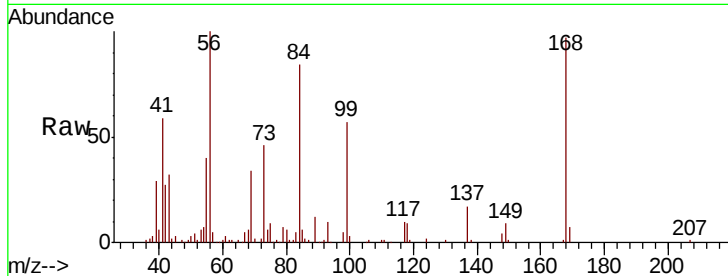
Tot Ion: 56 Resp: 182378

Ion Ratio Lower Upper

56 100

69 34.4 27.2 40.8

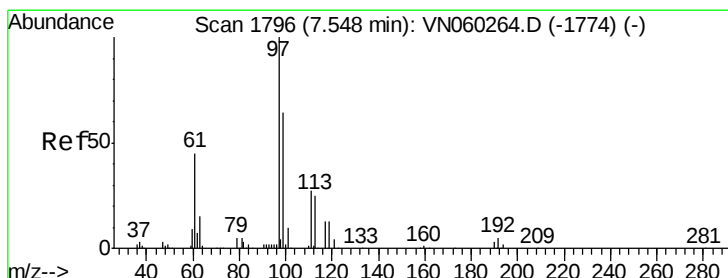
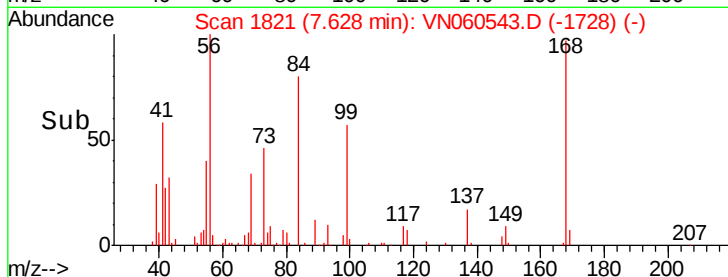
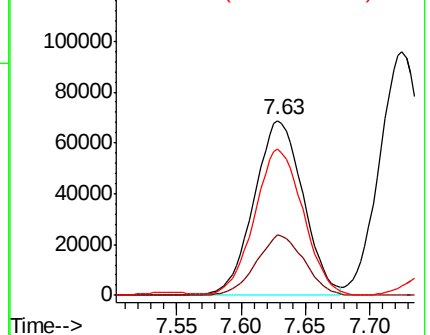
84 82.5 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060543.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN060543.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN060543.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 49.484 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

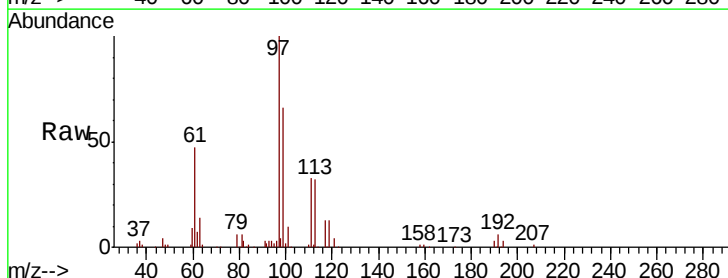
Tgt Ion: 97 Resp: 185585

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

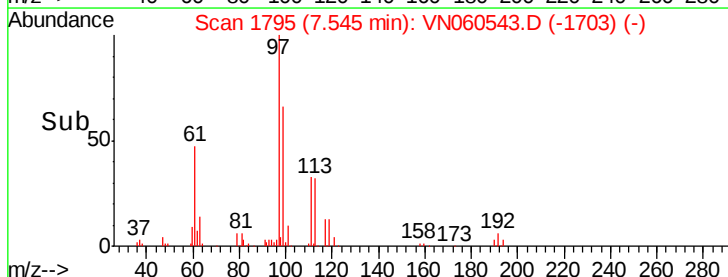
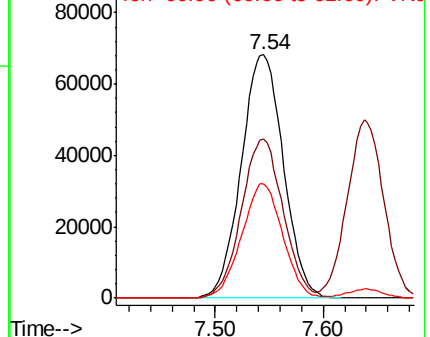
61 45.8 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN060543.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060543.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060543.D (-1703) (-)

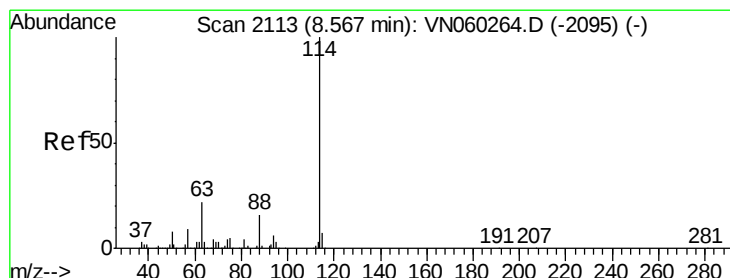
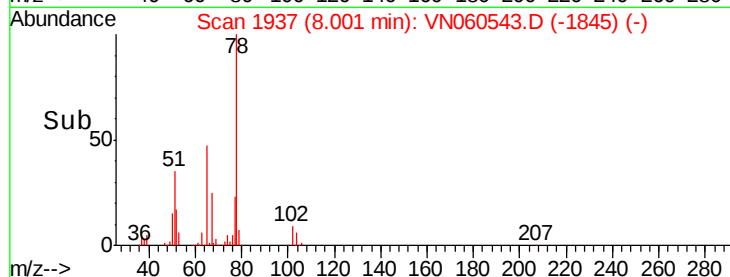
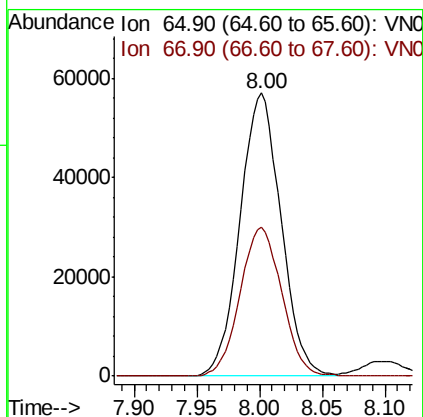
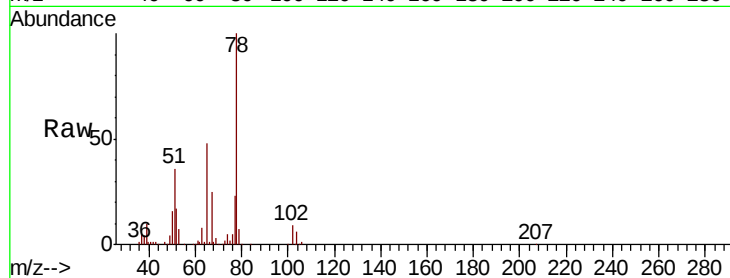




#33
 1,2-Dichloroethane-d4
 Concen: 48.321 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

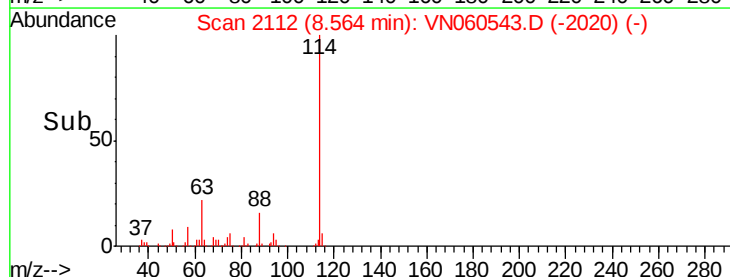
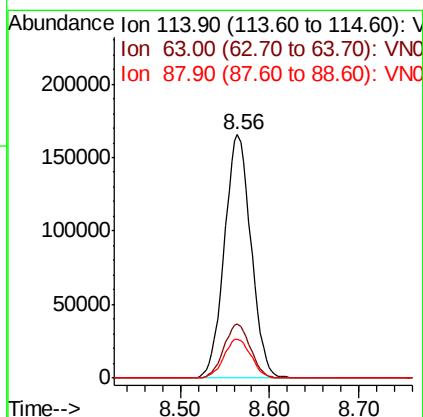
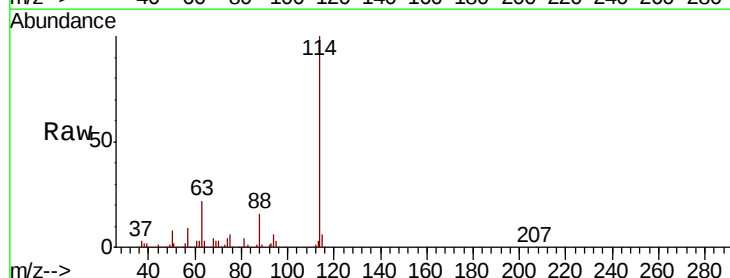
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 129792
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

Tgt Ion: 114 Resp: 341407
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.2 0.0 31.6

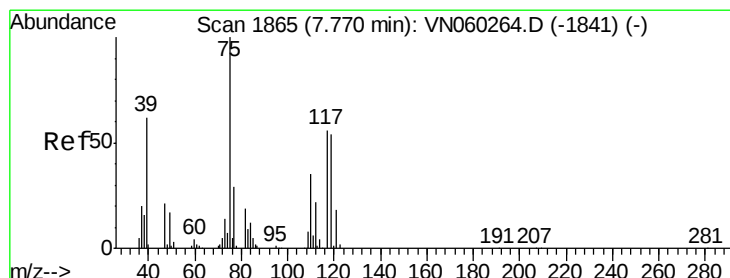
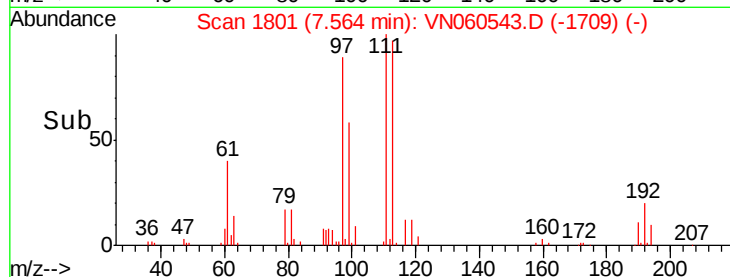
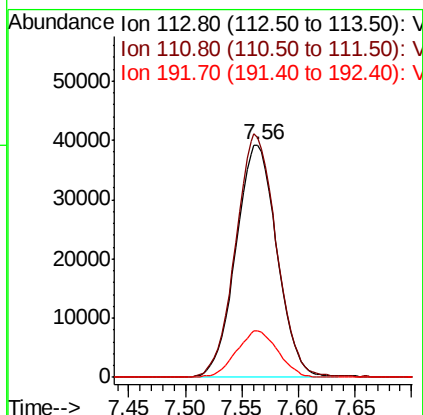
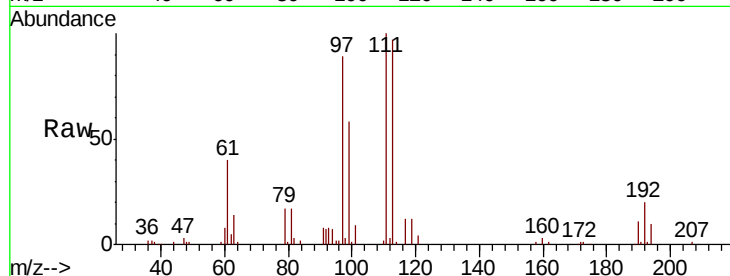




#35
 Dibromofluoromethane
 Concen: 62.581 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

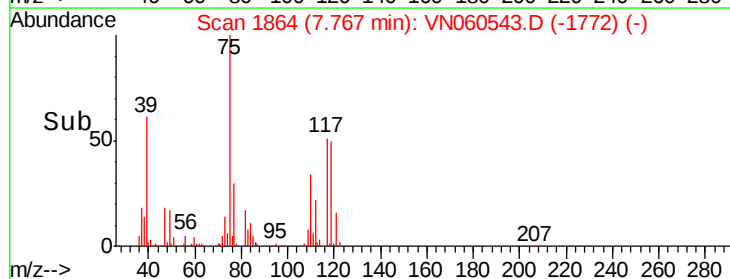
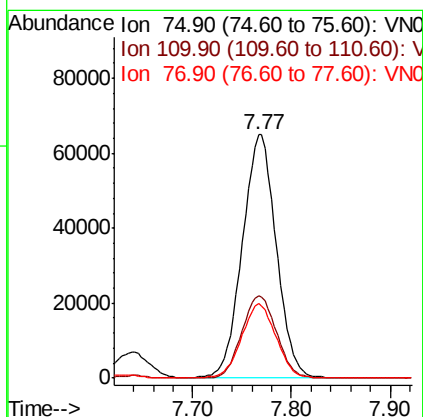
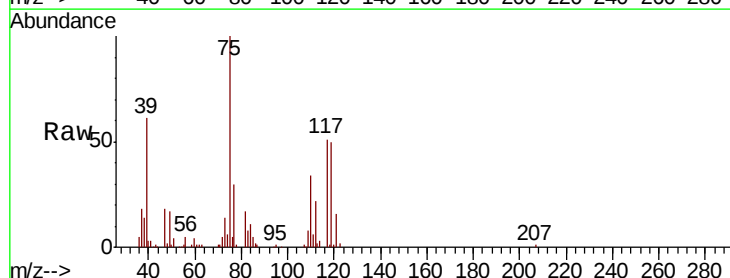
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 99172
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.4 123.6
 192 20.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 47.575 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

Tgt Ion: 75 Resp: 154797
 Ion Ratio Lower Upper
 75 100
 110 34.3 17.3 52.0
 77 31.0 24.2 36.2

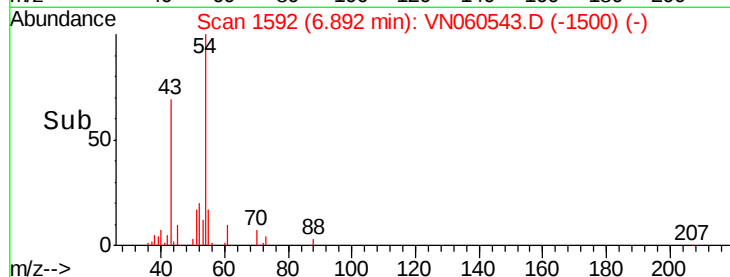
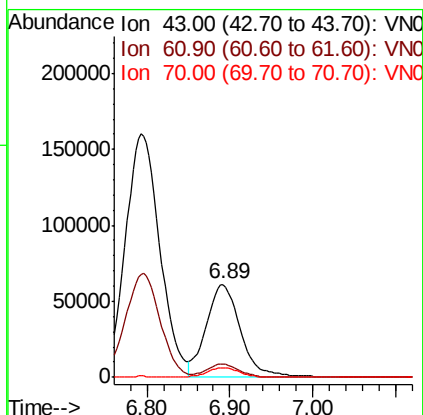
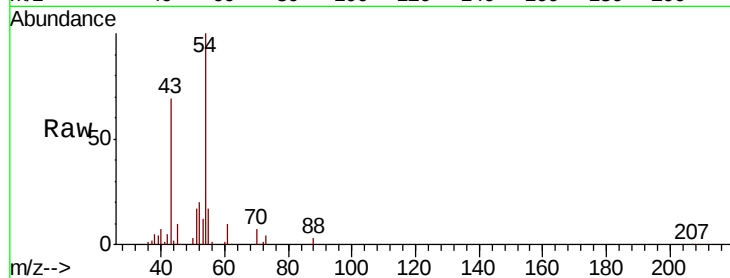




#37
Ethyl Acetate
Concen: 56.593 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

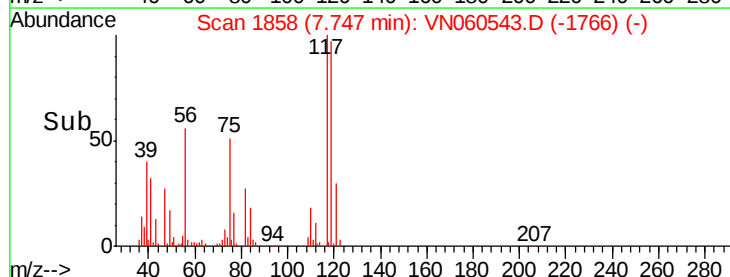
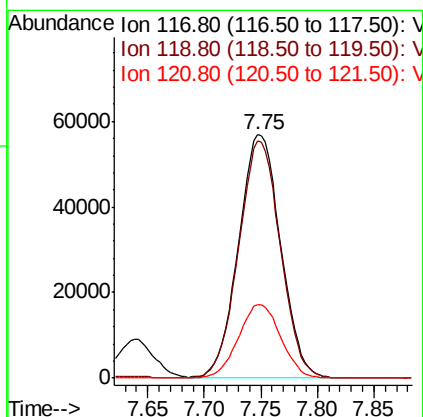
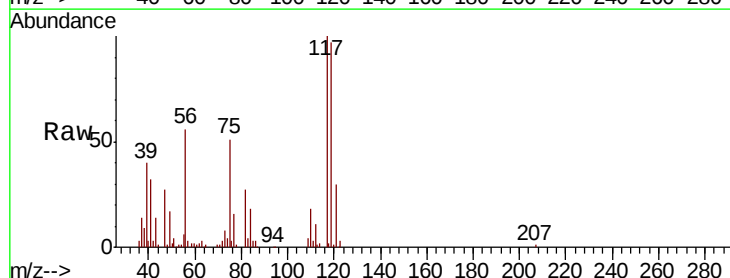
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

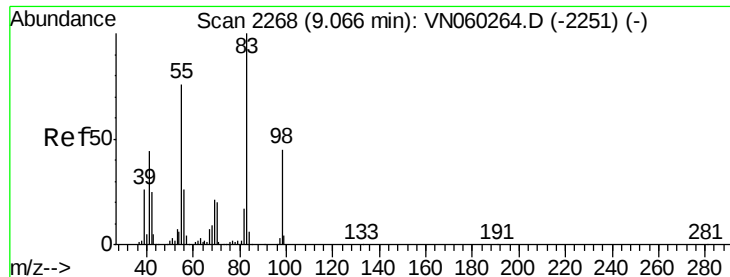
Tot Ion: 43 Resp: 174358
Ion Ratio Lower Upper
43 100
61 14.2 11.1 16.7
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.540 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 117 Resp: 147437
Ion Ratio Lower Upper
117 100
119 97.4 76.7 115.1
121 30.3 24.5 36.7

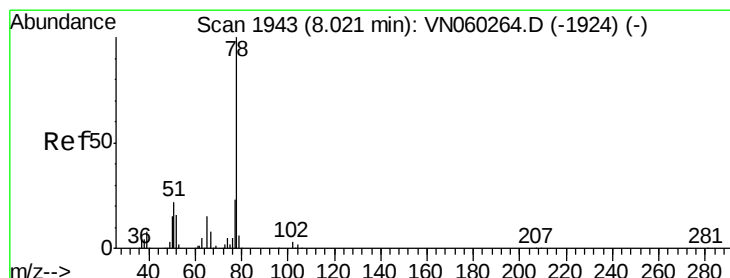
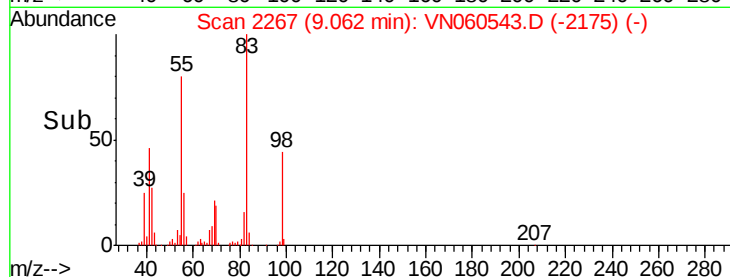
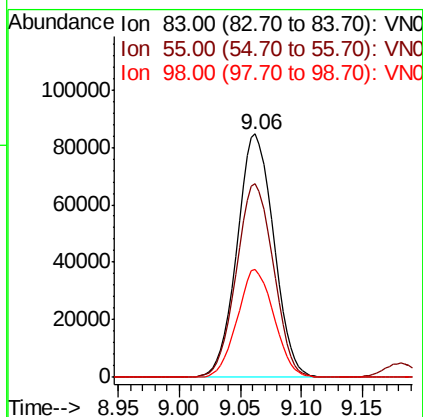
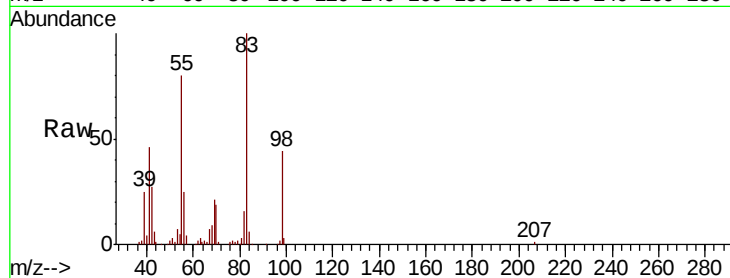




#39
Methvlcvclohexane
Concen: 46.001 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

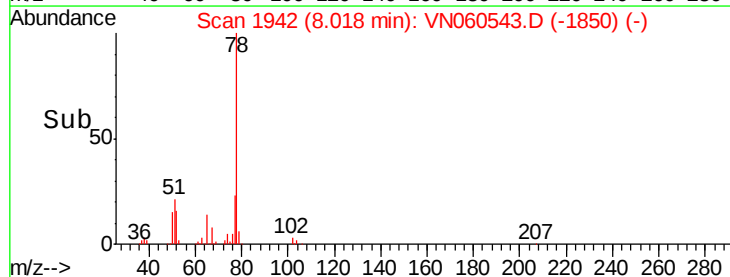
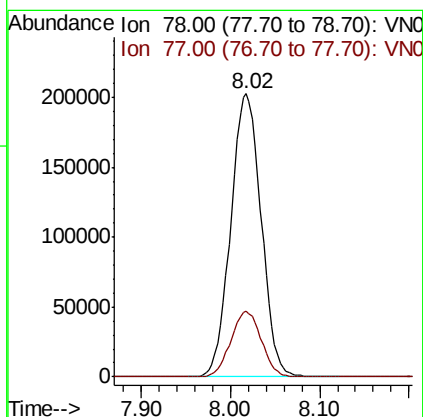
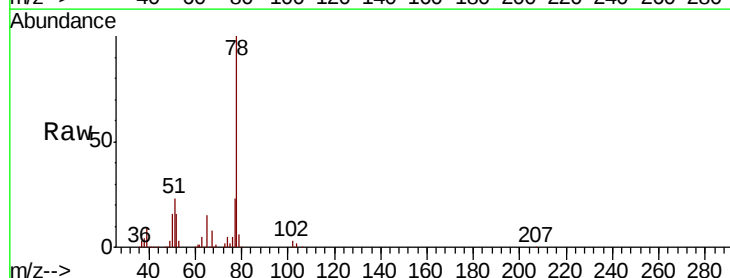
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 176475
Ion Ratio Lower Upper
83 100
55 79.7 61.0 91.4
98 44.4 36.1 54.1



#40
Benzene
Concen: 50.496 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 78 Resp: 478214
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

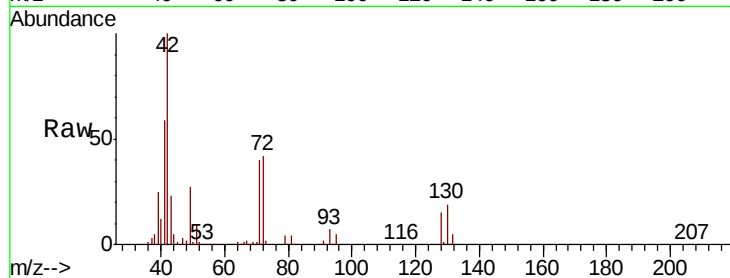




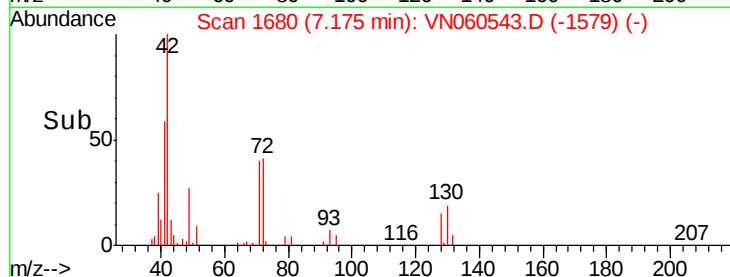
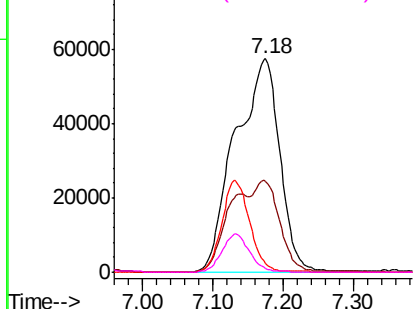
#41
Methacrylonitrile
Concen: 177.873 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	253038
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

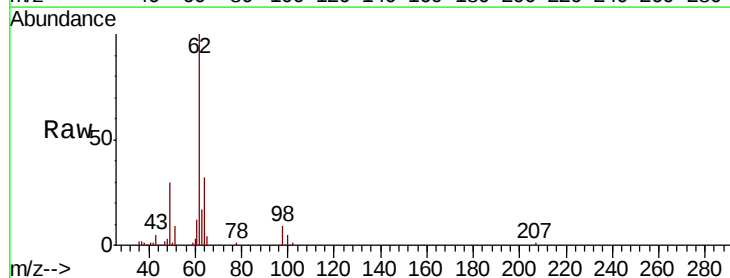


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

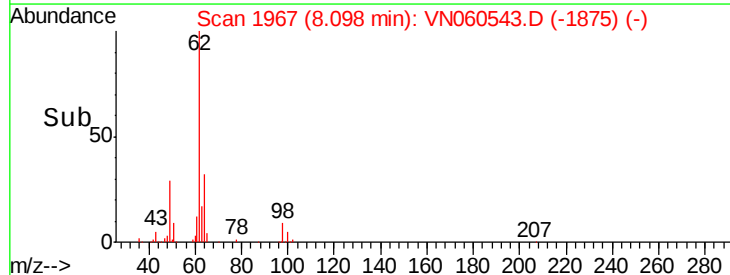
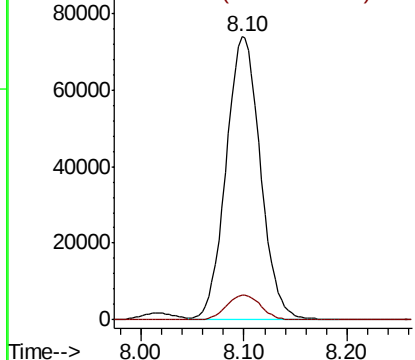


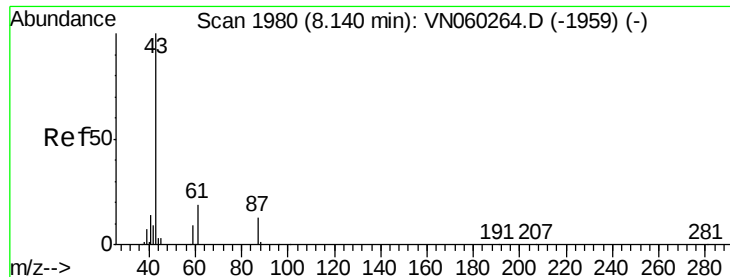
#42
1,2-Dichloroethane
Concen: 50.196 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion:	62	Resp:	171541
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 56.239 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

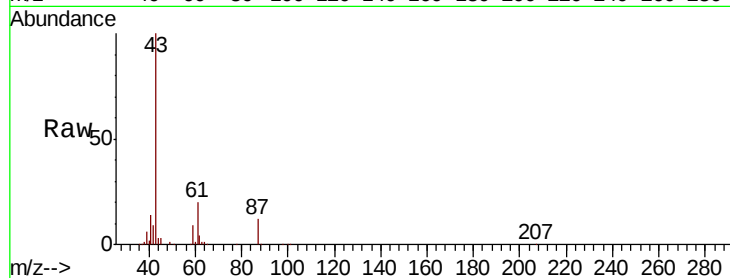
Tot Ion: 43 Resp: 303336

Ion Ratio Lower Upper

43 100

61 25.8 20.9 31.3

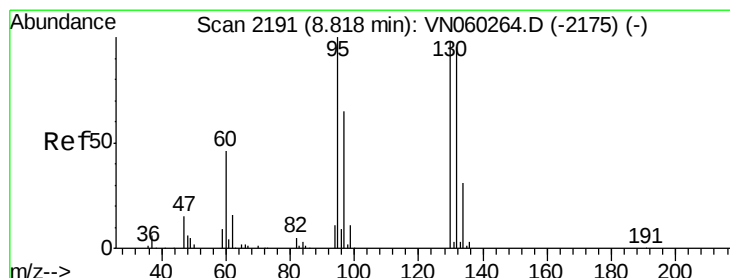
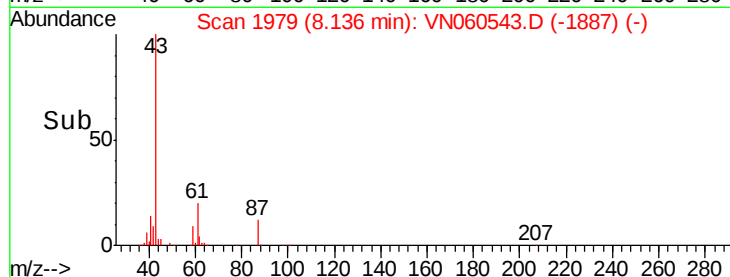
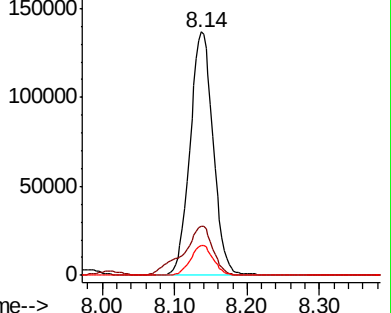
87 12.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#44

Trichloroethene

Concen: 47.477 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060543.D

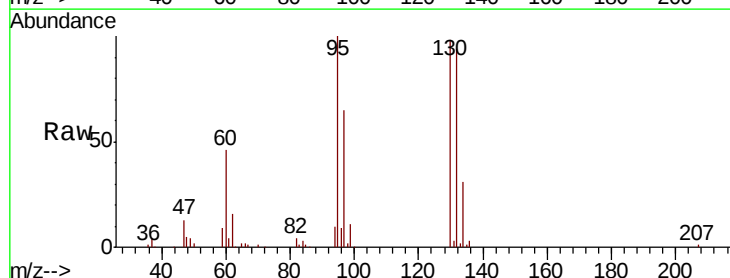
Acq: 17 Mar 2020 9:25

Tgt Ion: 130 Resp: 125223

Ion Ratio Lower Upper

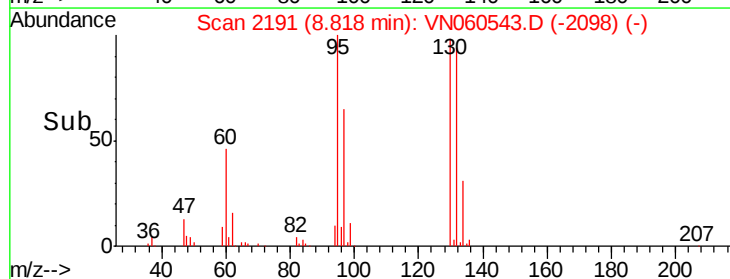
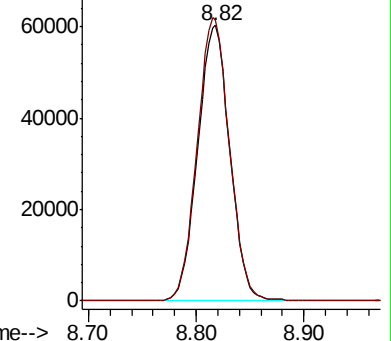
130 100

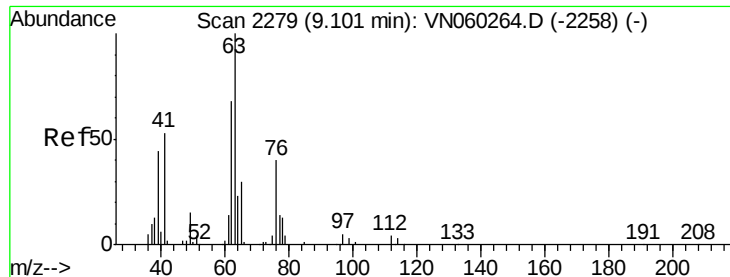
95 102.0 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 54.709 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

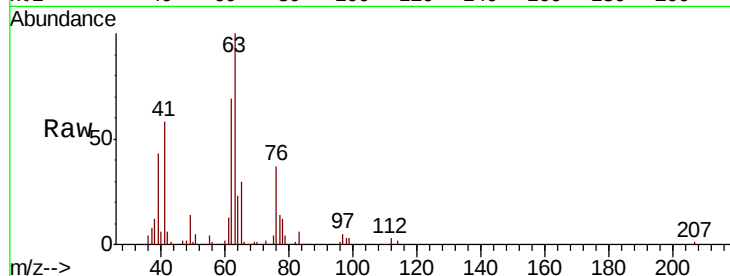
VSTDCCC050

Tot Ion: 63 Resp: 135461

Ion Ratio Lower Upper

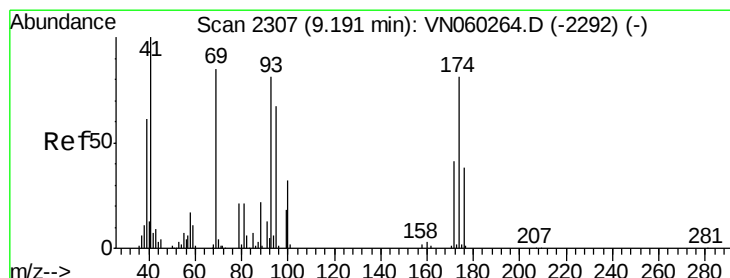
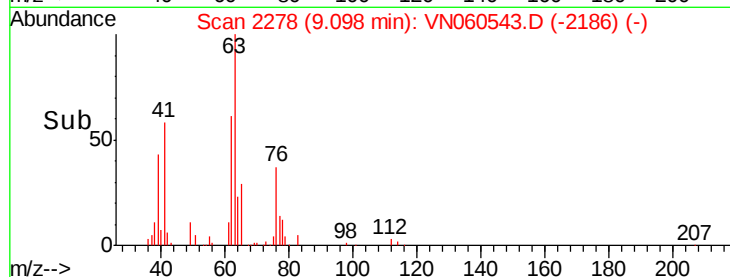
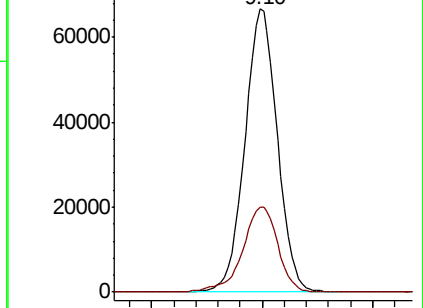
63 100

65 30.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060264.D (-2258) (-)



#46

Dibromomethane

Concen: 49.978 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

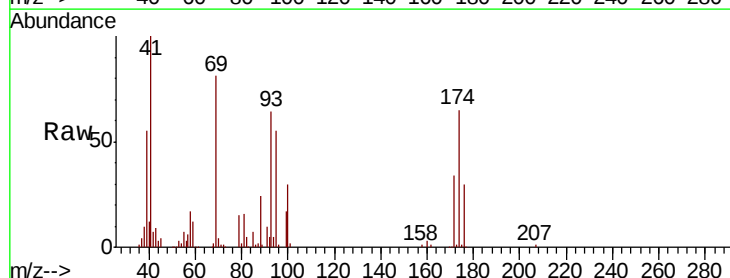
Tgt Ion: 93 Resp: 80295

Ion Ratio Lower Upper

93 100

95 84.1 65.9 98.9

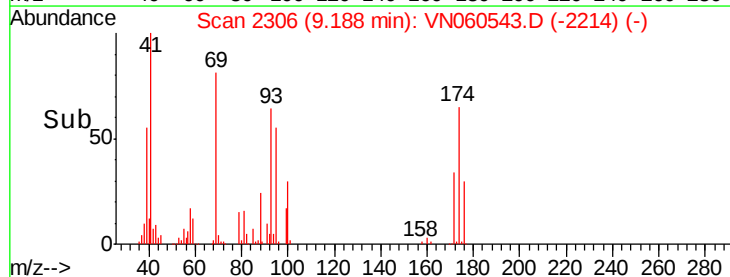
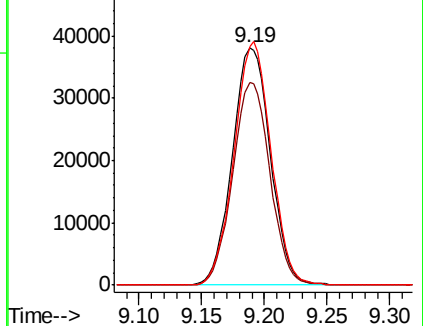
174 99.4 79.6 119.4

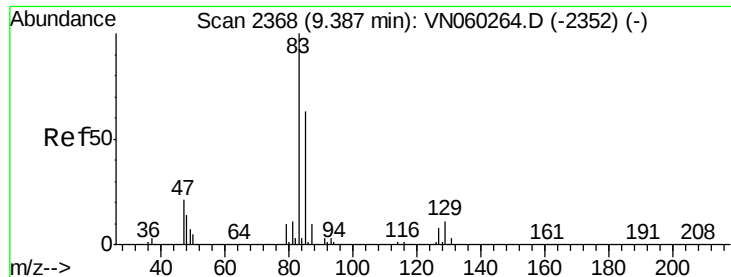


Abundance Ion 92.80 (92.50 to 93.50): VN060264.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN060264.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN060264.D (-2292) (-)

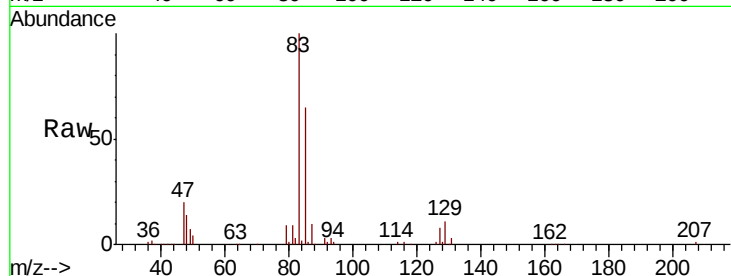




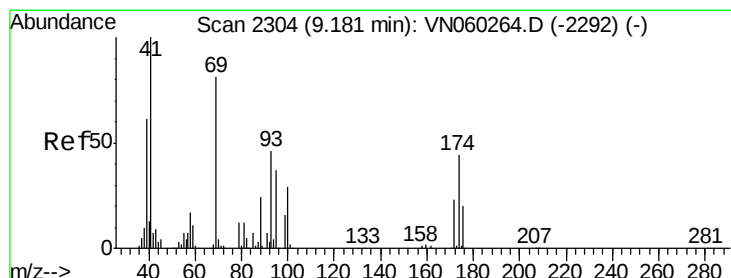
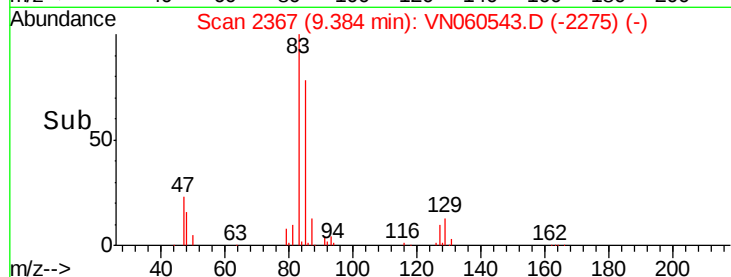
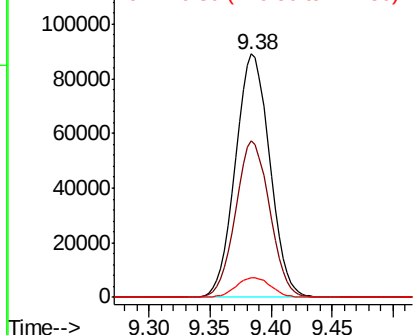
#47
Bromodichloromethane
Concen: 53.167 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 173730
Ion Ratio Lower Upper
83 100
85 64.6 50.7 76.1
127 8.0 6.8 10.2

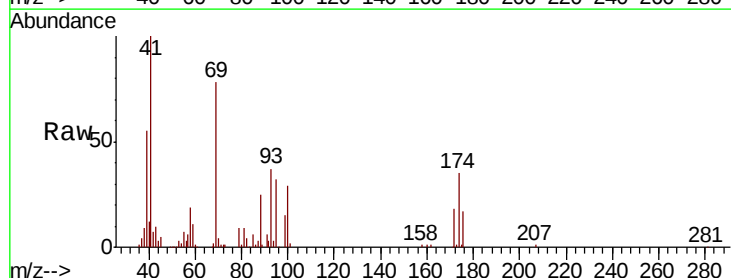


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

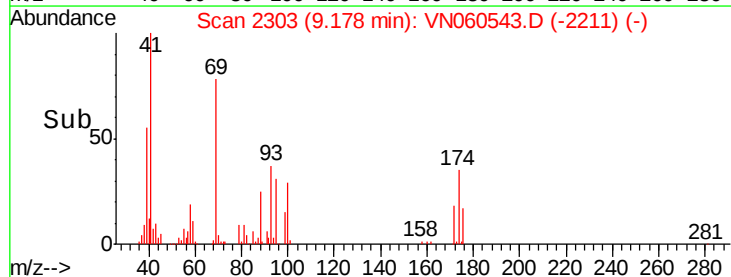
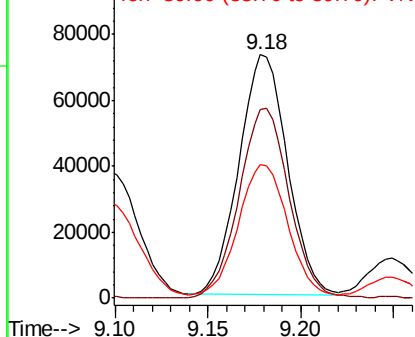


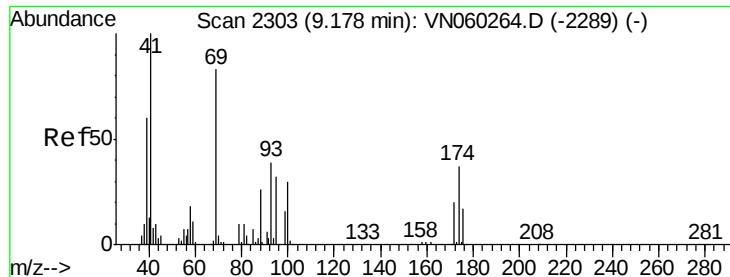
#48
Methyl methacrylate
Concen: 54.346 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 41 Resp: 133669
Ion Ratio Lower Upper
41 100
69 81.4 66.7 100.1
39 57.3 50.1 75.1



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

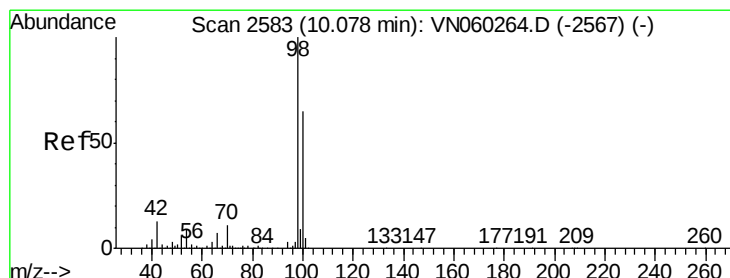
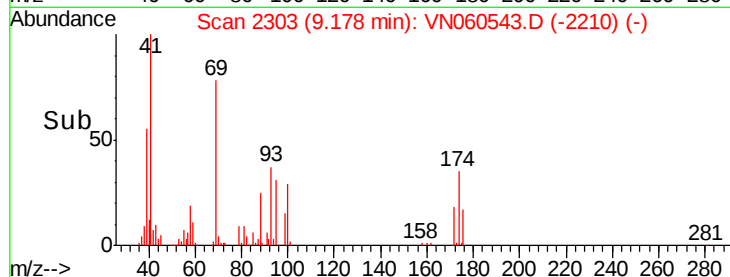
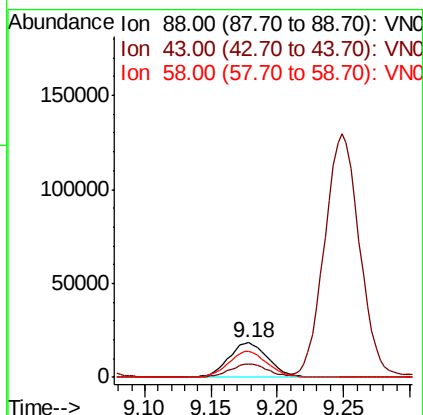
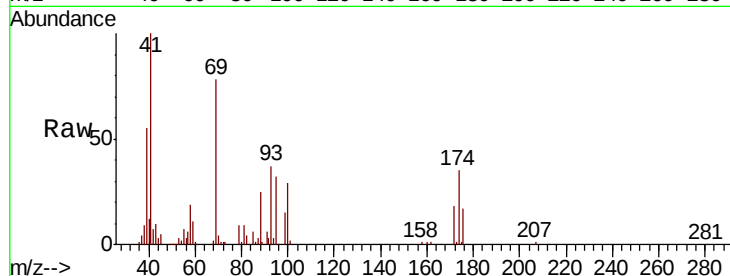




#49
 1,4-Dioxane
 Concen: 1108.578 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

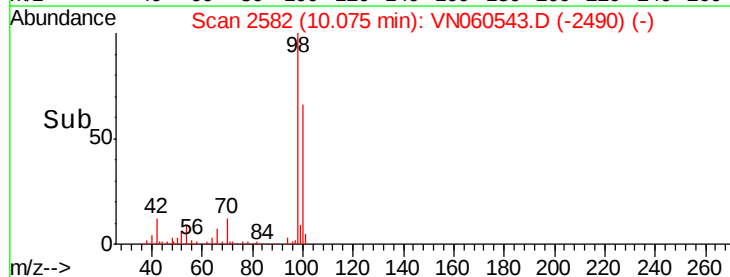
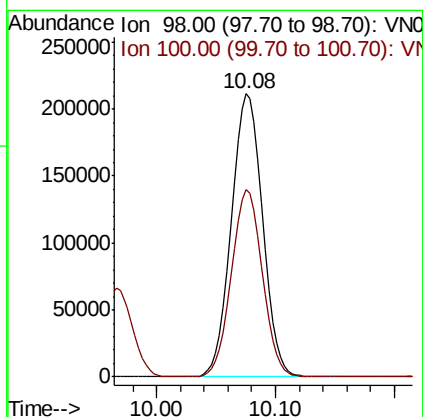
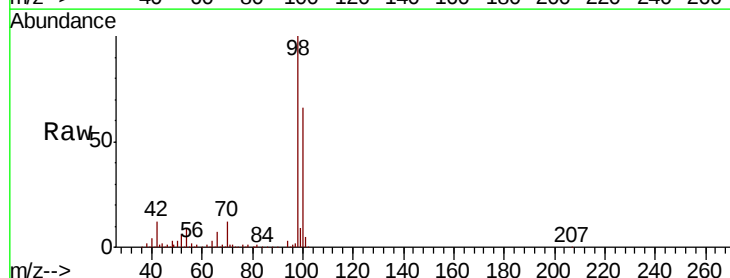
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

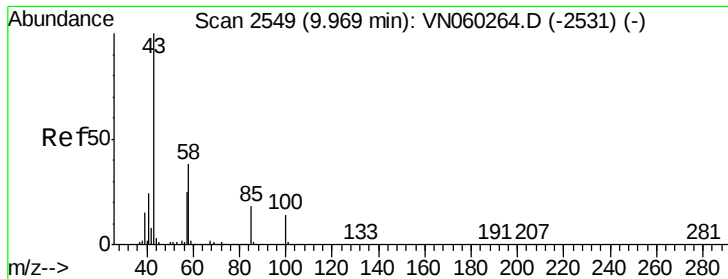
Tot Ion: 88 Resp: 38344
 Ion Ratio Lower Upper
 88 100
 43 37.0 30.4 45.6
 58 72.9 57.0 85.6



#50
 Toluene-d8
 Concen: 47.994 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

Tgt Ion: 98 Resp: 384933
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 290.009 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

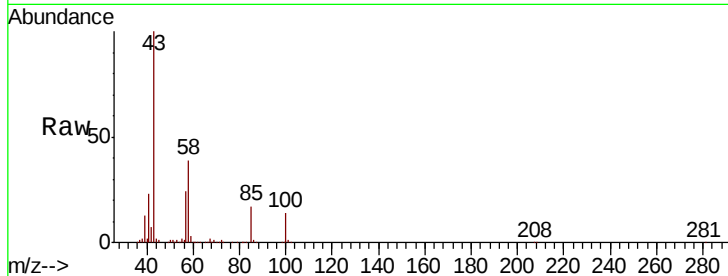
VSTDCCC050

Tot Ion: 43 Resp: 886881

Ion Ratio Lower Upper

43 100

58 38.7 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

500000

400000

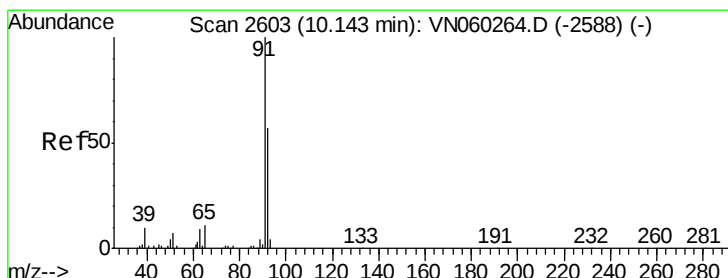
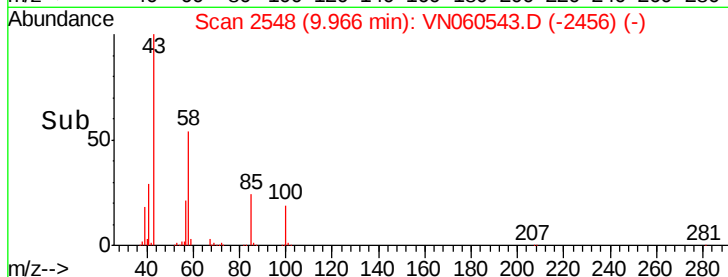
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.401 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060543.D

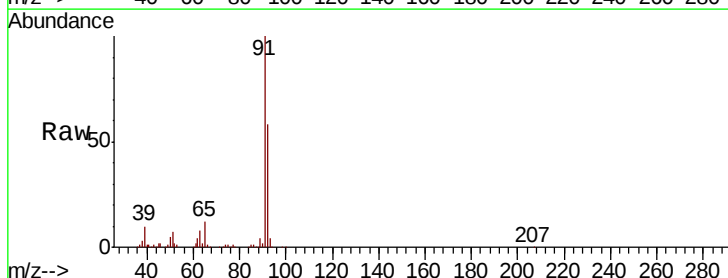
Acq: 17 Mar 2020 9:25

Tgt Ion: 92 Resp: 293881

Ion Ratio Lower Upper

92 100

91 173.5 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

300000

250000

200000

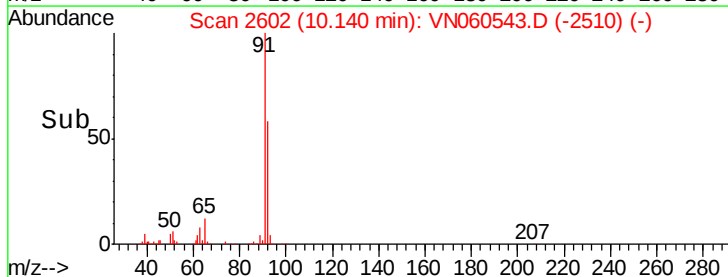
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.537 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

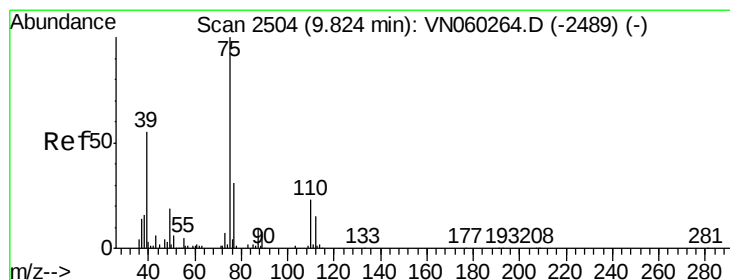
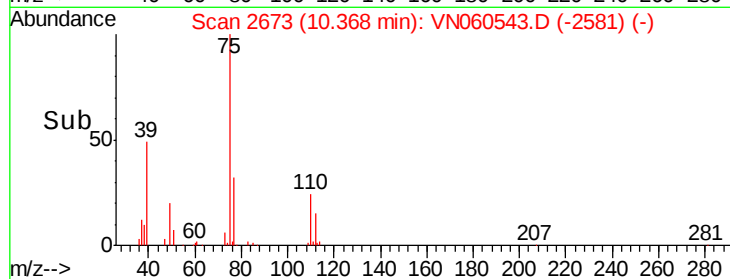
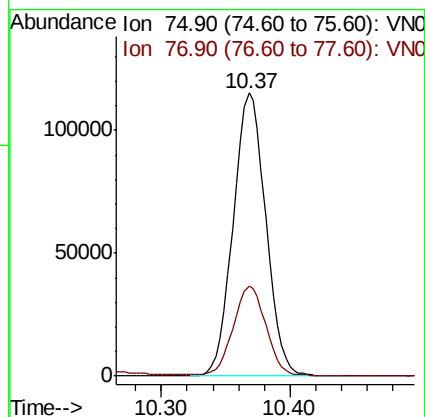
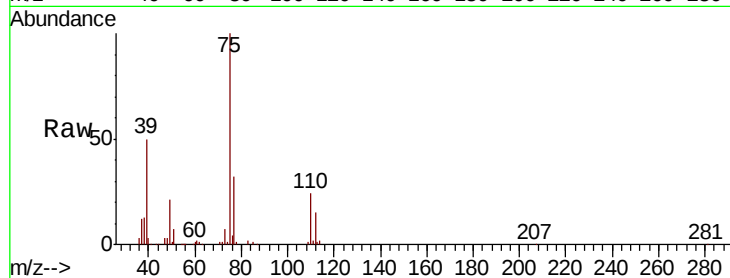
VSTDCCC050

Tot Ion: 75 Resp: 202346

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 52.044 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

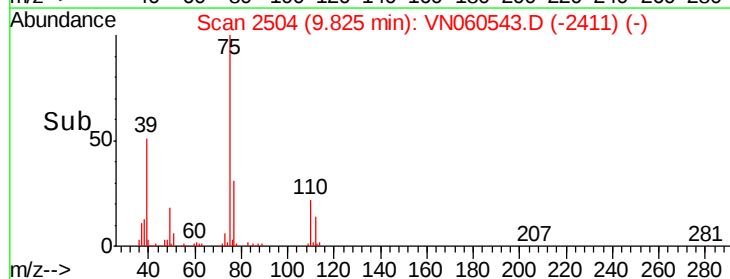
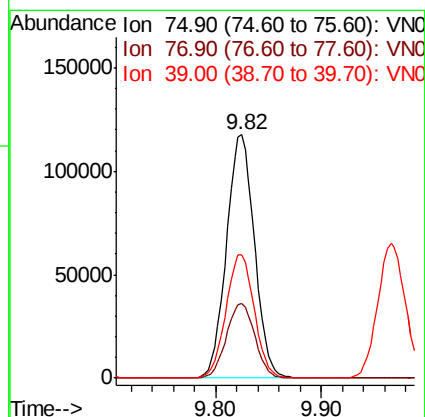
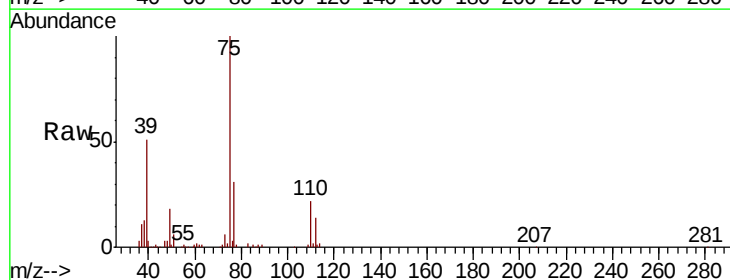
Tgt Ion: 75 Resp: 215923

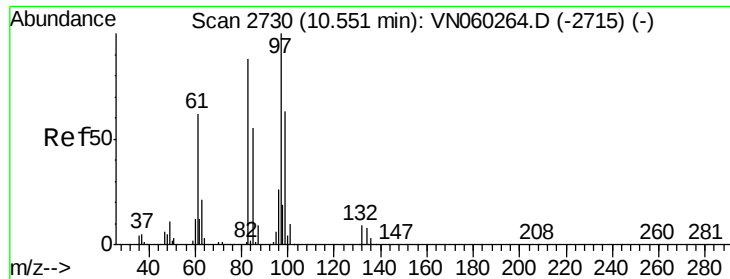
Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2

39 50.8 43.8 65.8

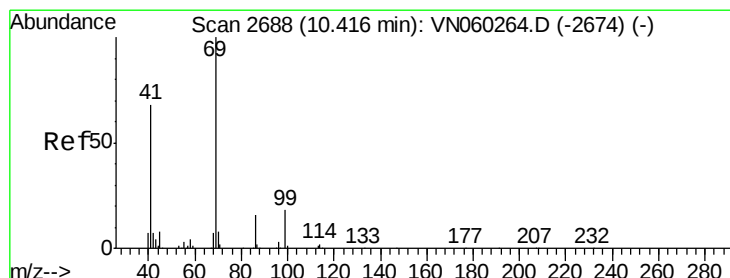
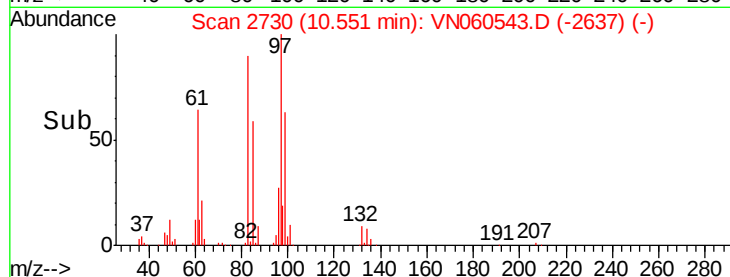
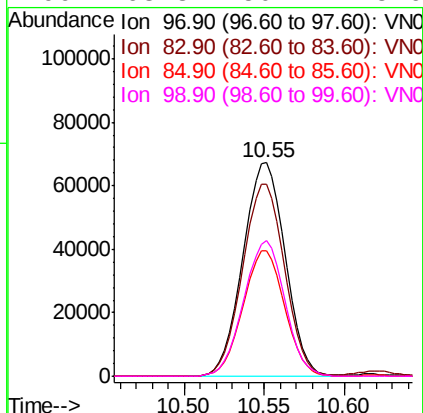
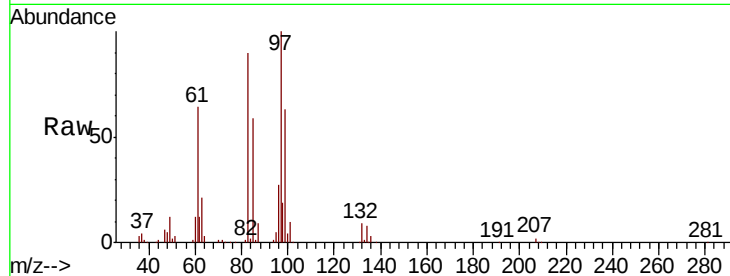




#55
 1,1,2-Trichloroethane
 Concen: 50.807 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

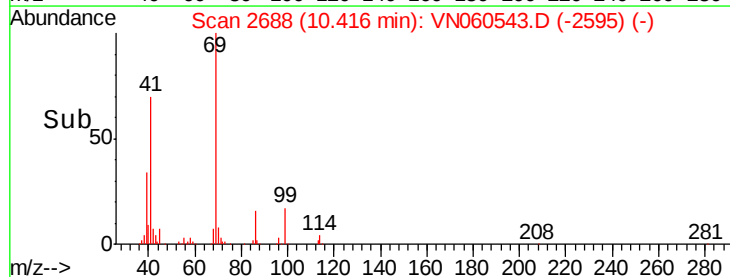
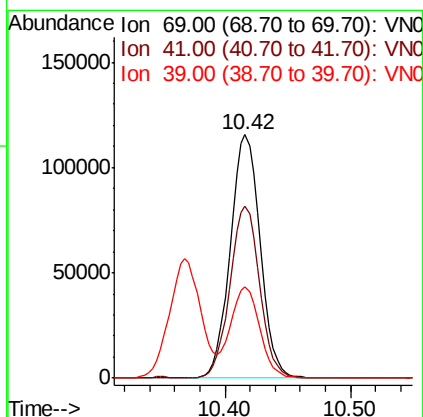
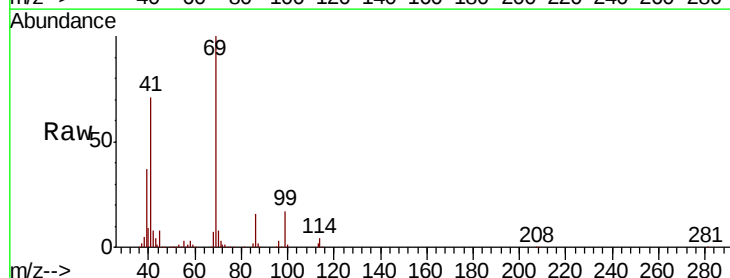
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

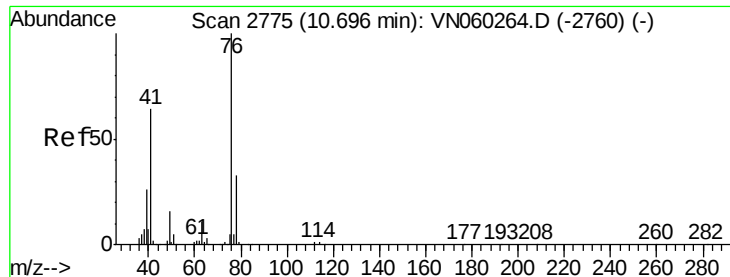
Tot Ion:	97	Resp:	121546
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.0	105.0
85	59.0	44.0	66.0
99	63.3	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 55.602 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

Tgt Ion:	69	Resp:	191099
Ion	Ratio	Lower	Upper
69	100		
41	70.1	54.1	81.1
39	36.6	32.5	48.7





#57

1,3-Dichloropropane

Concen: 53.507 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

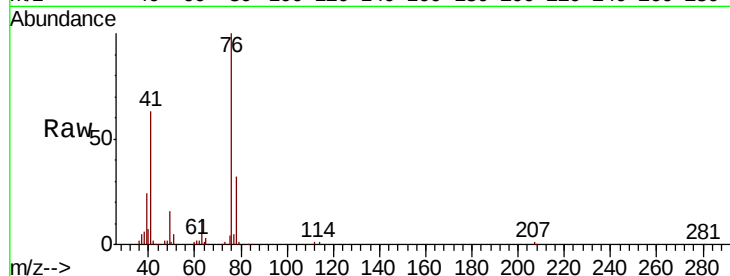
VSTDCCC050

Tot Ion: 76 Resp: 208753

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN060264.D (-2760) (-)

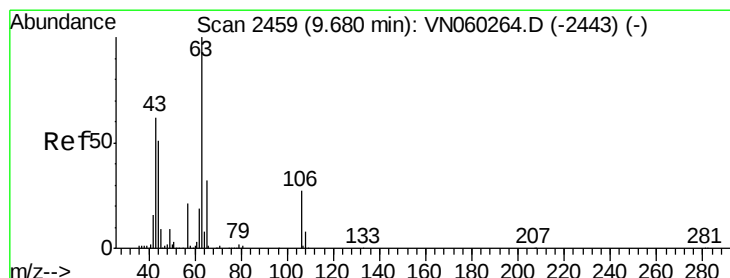
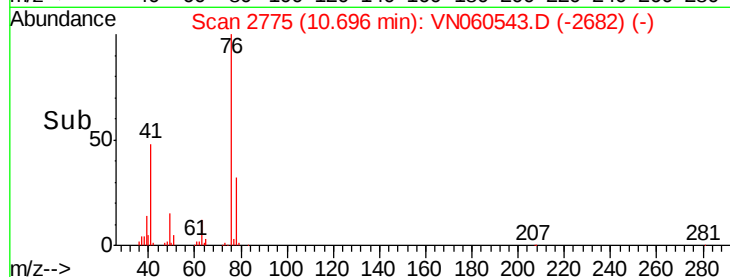
10.70

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 272.159 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060543.D

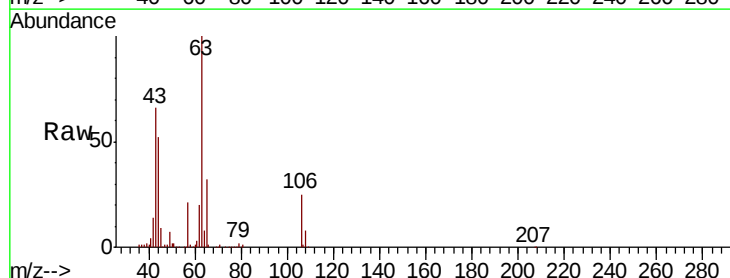
Acq: 17 Mar 2020 9:25

Tgt Ion: 63 Resp: 489214

Ion Ratio Lower Upper

63 100

106 25.4 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060264.D (-2443) (-)

9.68

300000

250000

200000

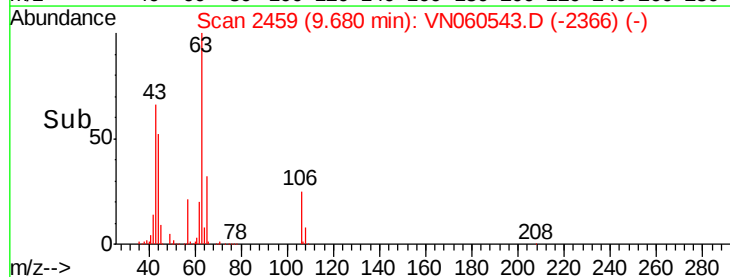
150000

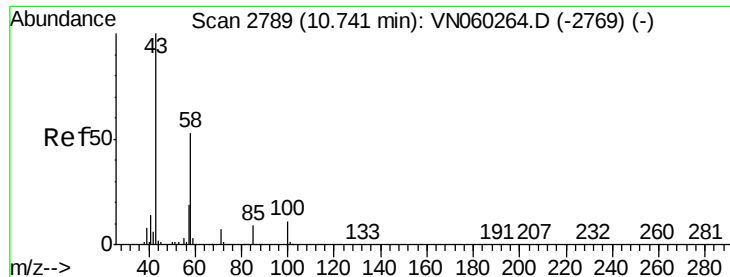
100000

50000

0

Time-->

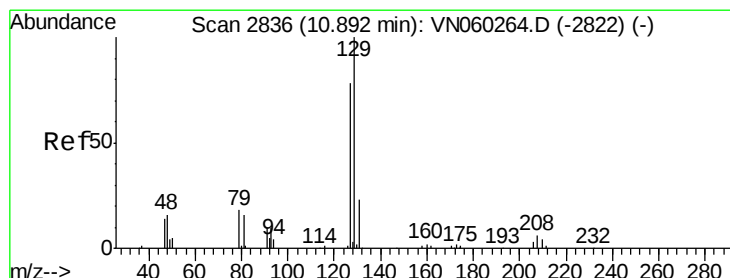
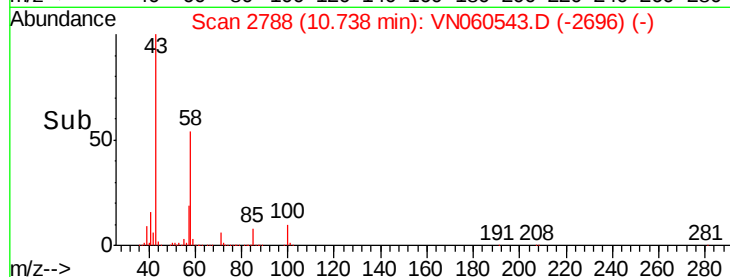
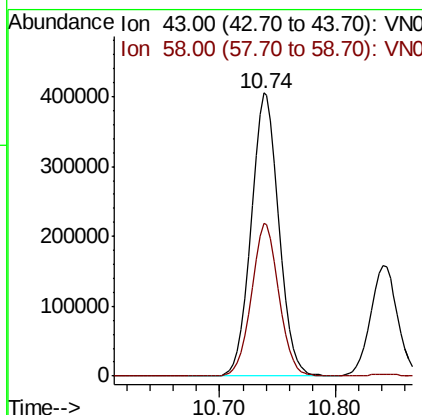
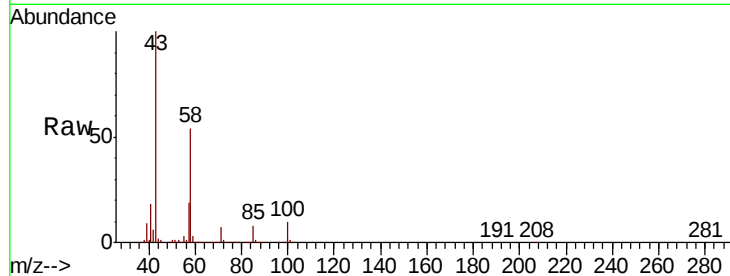




#59
2-Hexanone
Concen: 300.679 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

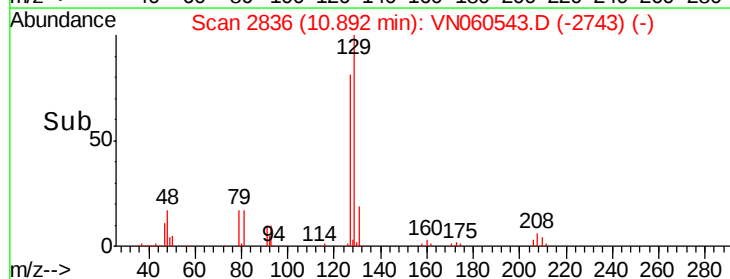
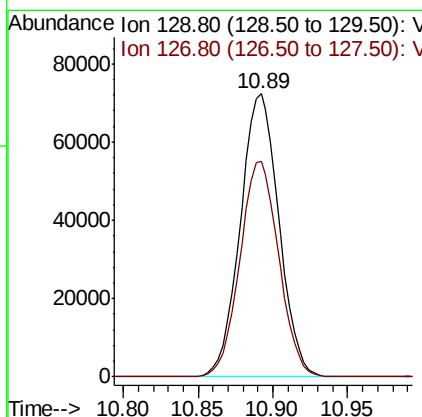
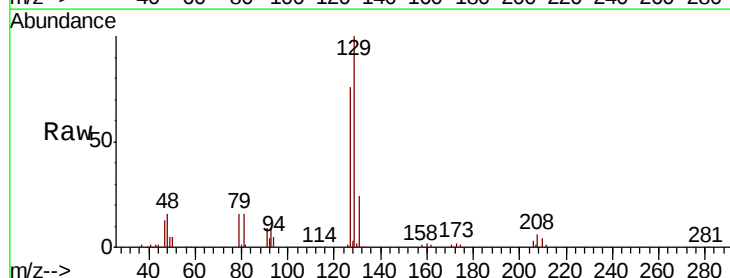
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 675129
Ion Ratio Lower Upper
43 100
58 53.4 26.5 79.5



#60
Dibromochloromethane
Concen: 53.383 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 129 Resp: 129875
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.746 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

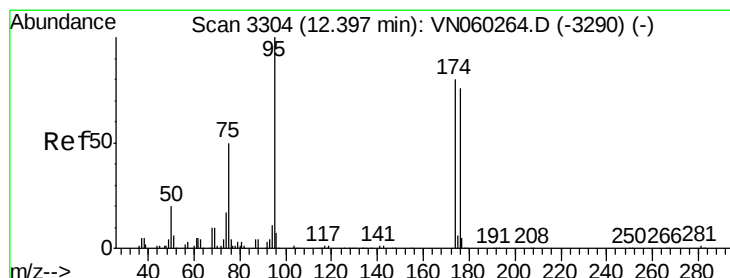
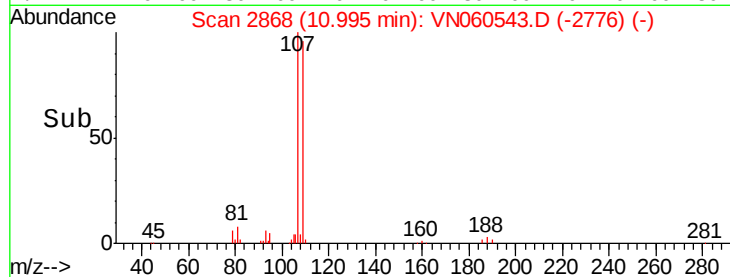
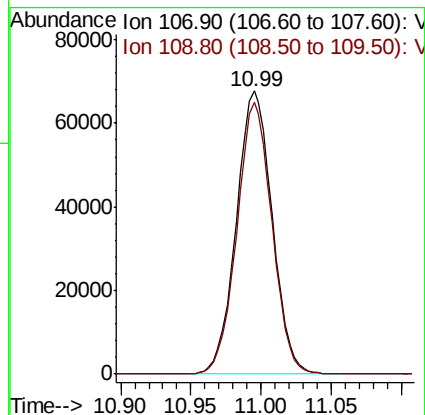
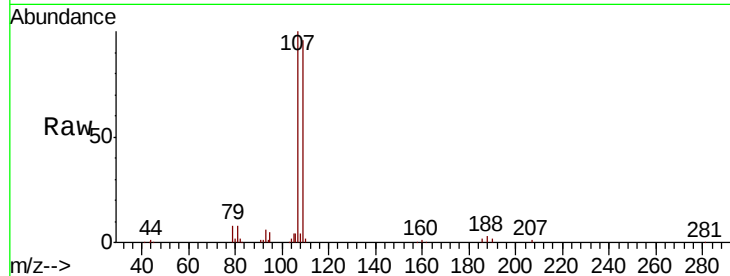
VSTDCCC050

Tot Ion:107 Resp: 120677

Ion Ratio Lower Upper

107 100

109 93.7 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 48.242 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

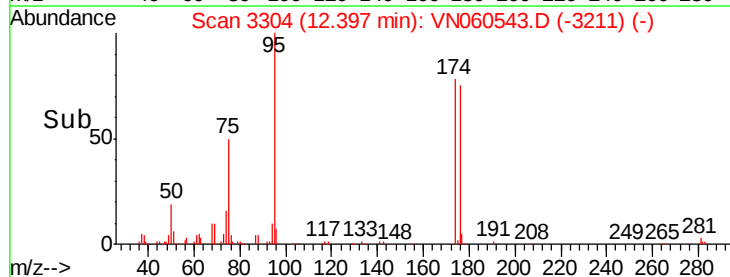
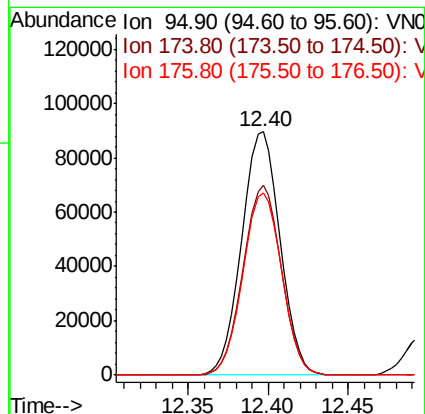
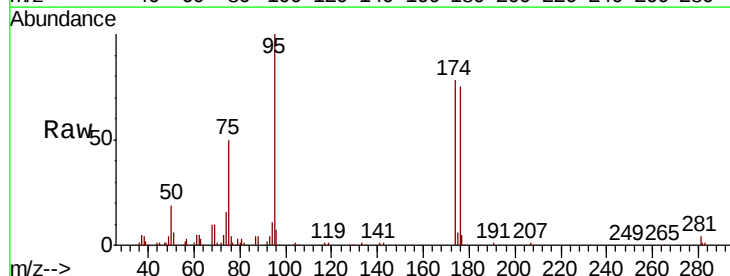
Tgt Ion: 95 Resp: 146670

Ion Ratio Lower Upper

95 100

174 77.7 0.0 159.2

176 75.5 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

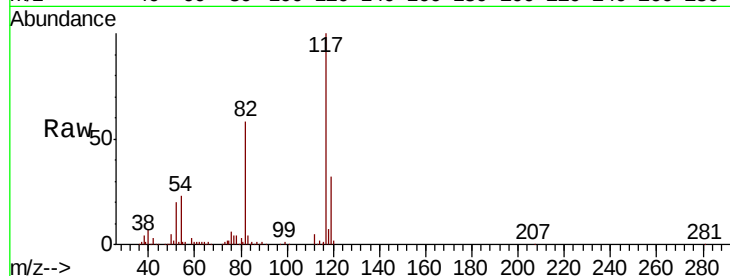
Tot Ion:117 Resp: 312196

Ion Ratio Lower Upper

117 100

82 57.9 45.8 68.6

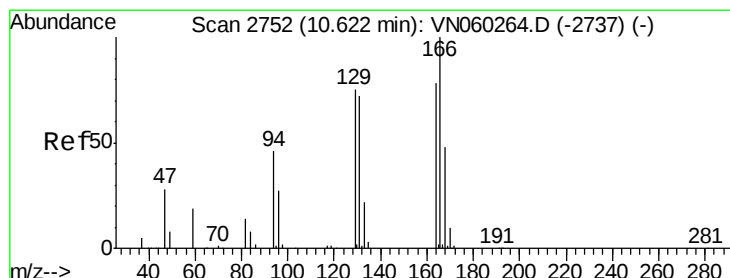
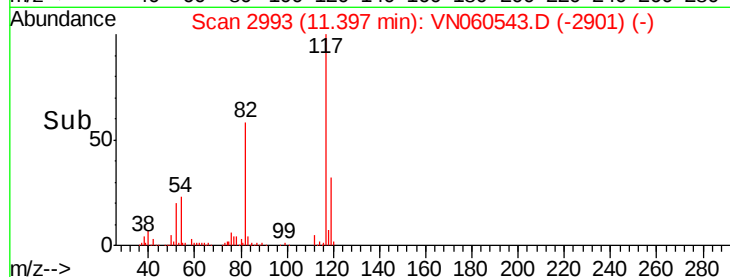
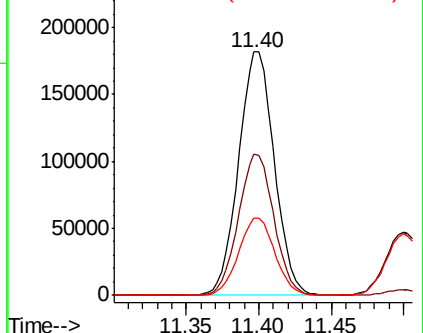
119 31.8 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.281 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Tgt Ion:164 Resp: 121187

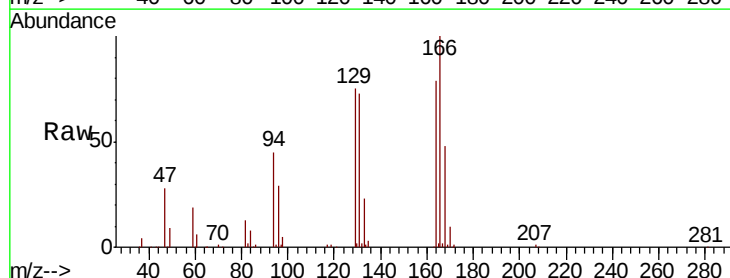
Ion Ratio Lower Upper

164 100

166 126.0 102.0 153.0

129 94.0 76.4 114.6

131 91.9 73.6 110.4

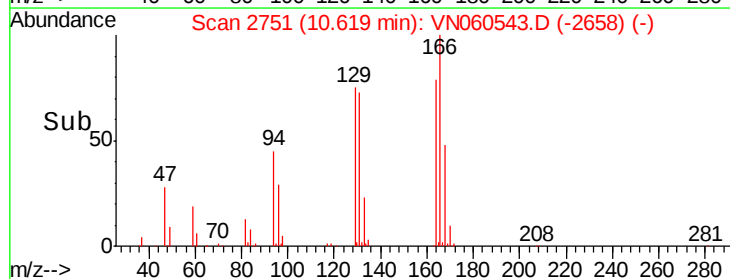
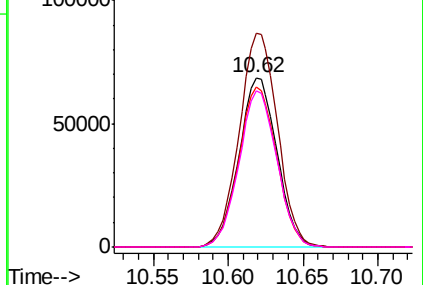


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

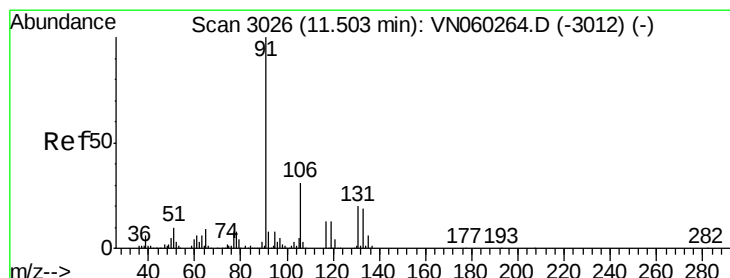
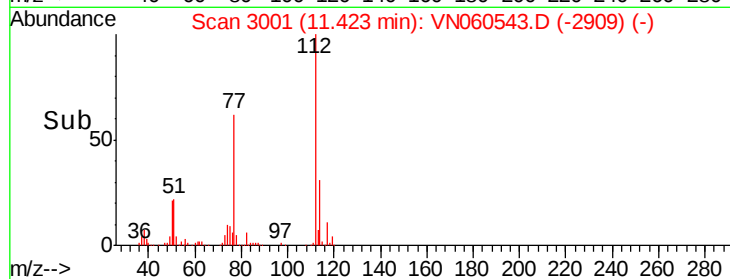
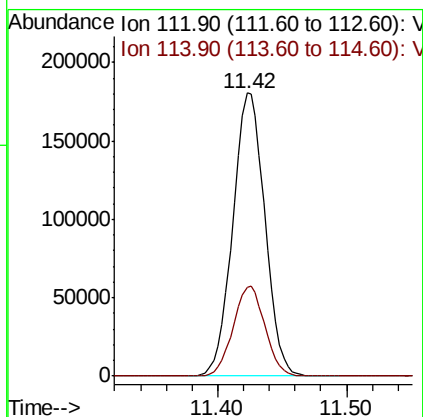
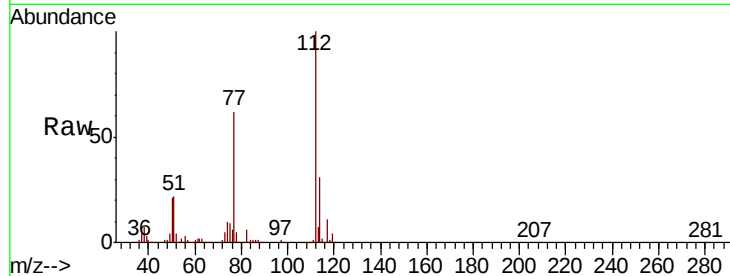




#65
Chlorobenzene
Concen: 49.380 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

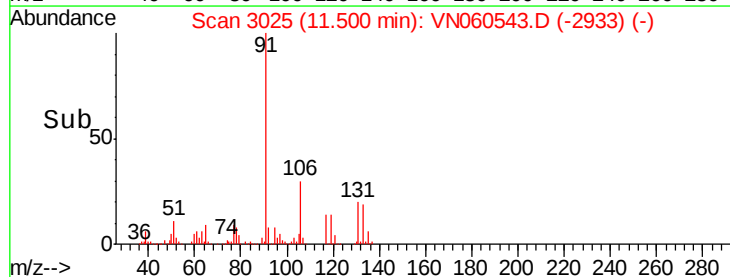
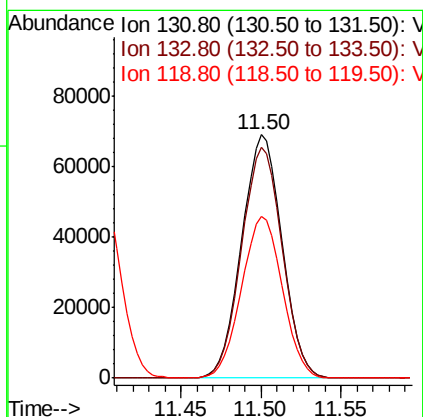
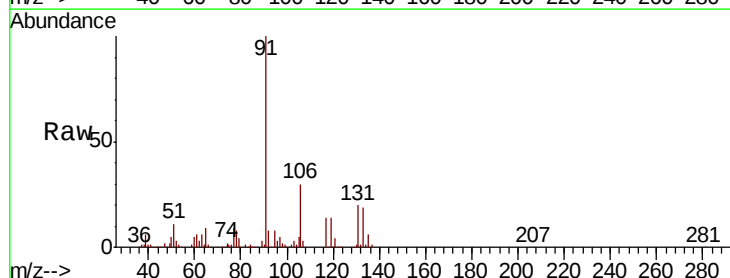
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

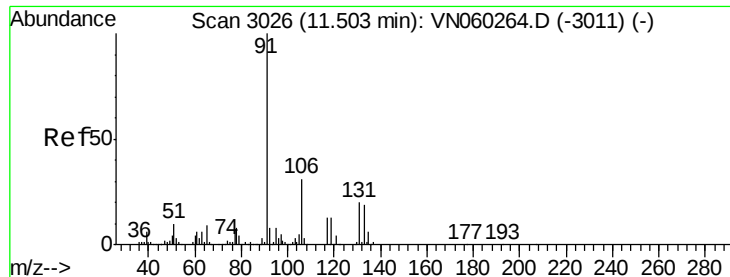
Tot Ion:112 Resp: 311291
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.298 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion:131 Resp: 119569
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 66.9 33.2 99.6

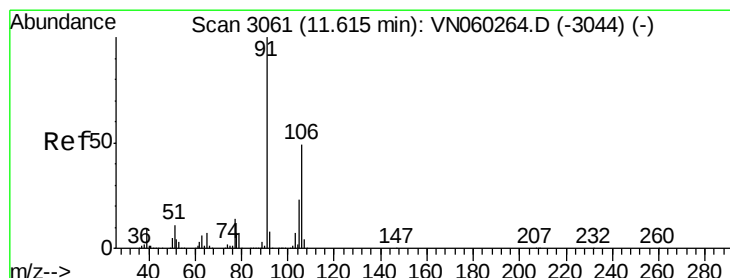
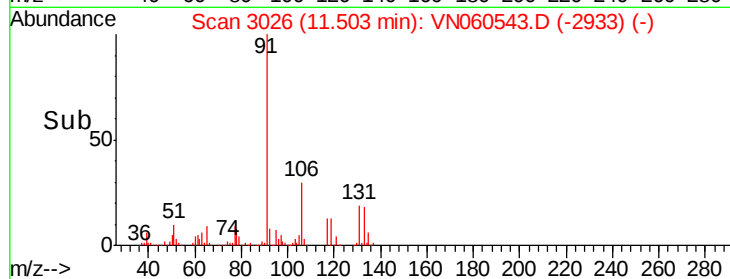
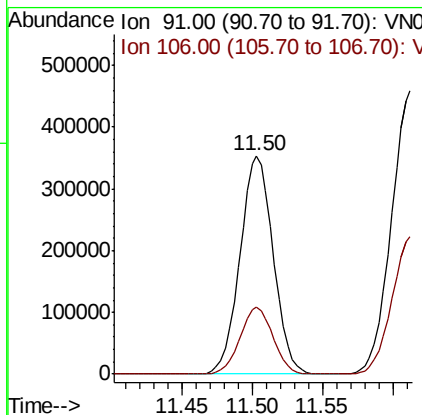
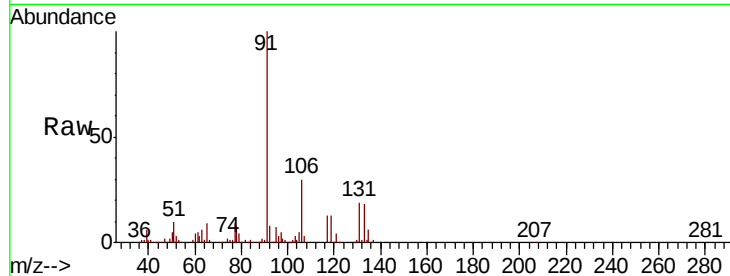




#67
Ethyl Benzene
Concen: 50.803 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

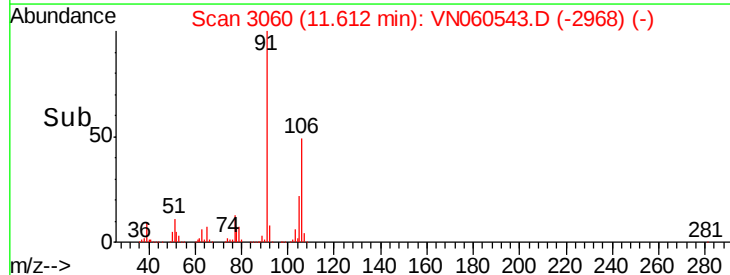
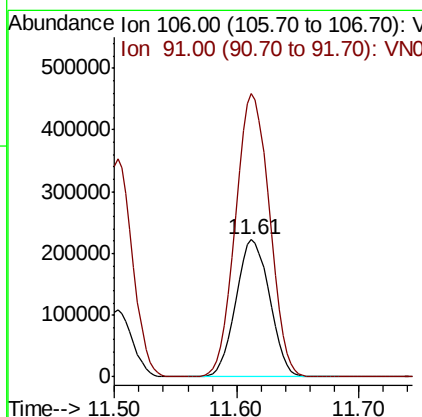
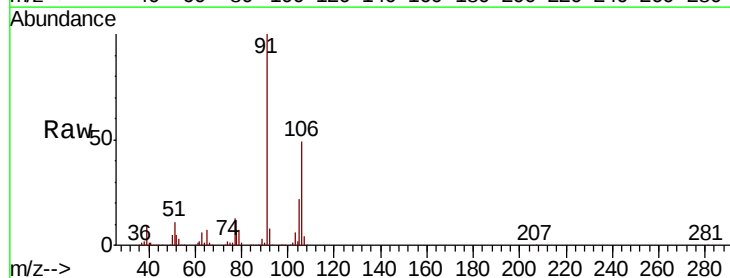
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

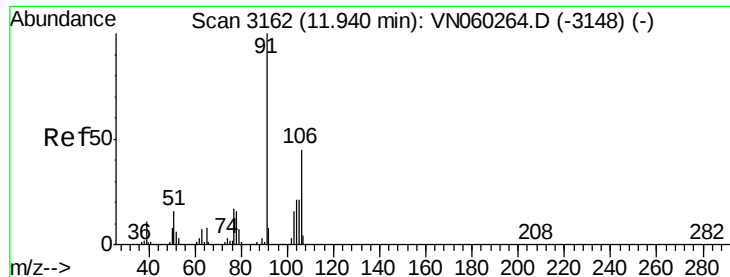
Tot Ion: 91 Resp: 583223
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1



#68
m/p-Xylenes
Concen: 98.219 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 106 Resp: 425421
Ion Ratio Lower Upper
106 100
91 207.5 164.5 246.7

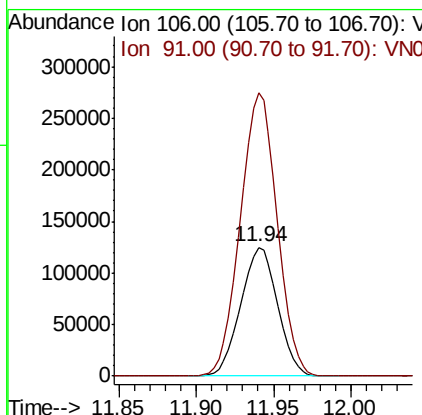
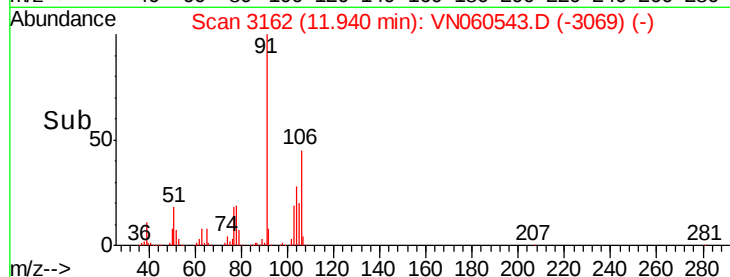
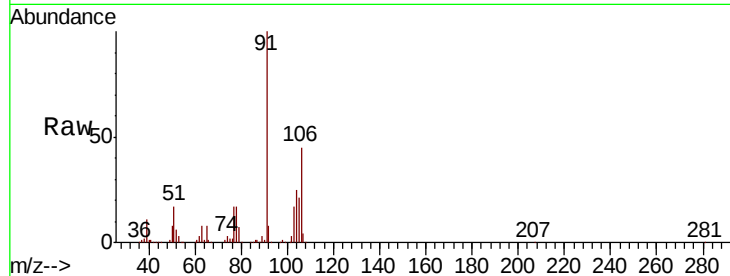




#69
o-Xylene
Concen: 50.359 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

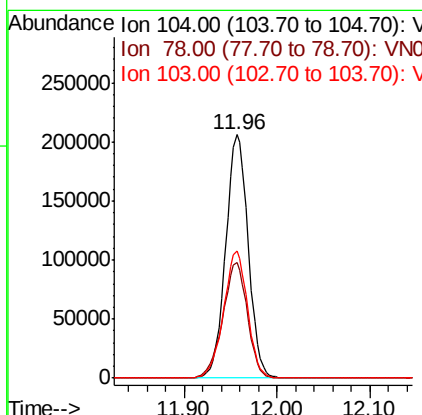
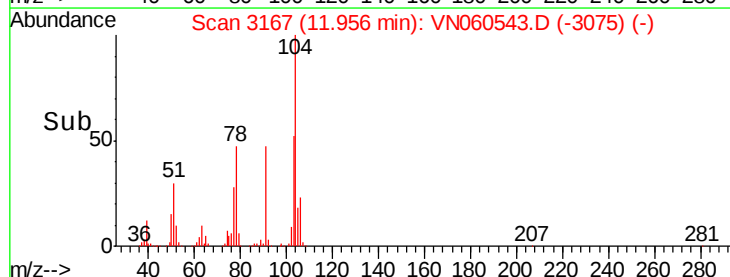
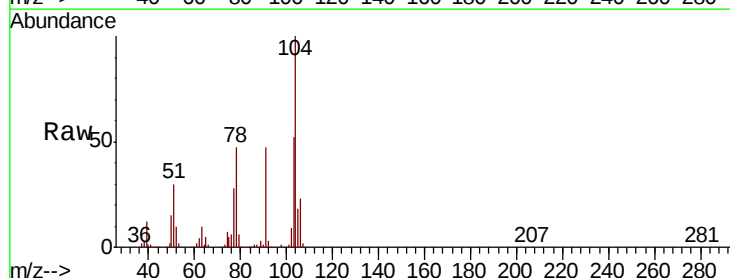
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

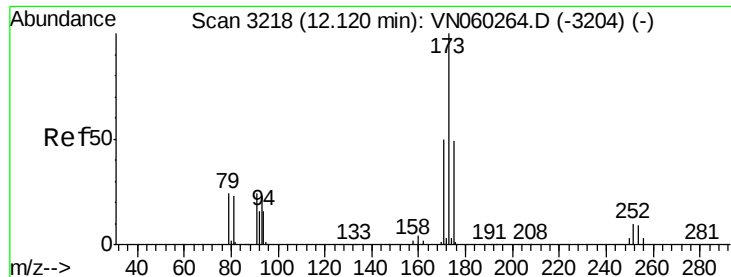
Tot Ion:106 Resp: 207999
Ion Ratio Lower Upper
106 100
91 218.7 109.5 328.4



#70
Styrene
Concen: 51.041 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion:104 Resp: 346612
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.5 43.9 65.9





#71

Bromoform

Concen: 55.342 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

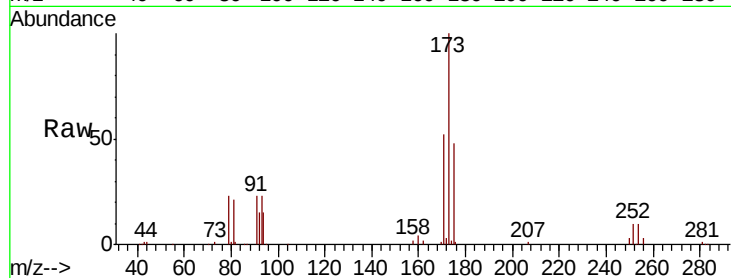
Tot Ion:173 Resp: 92969

Ion Ratio Lower Upper

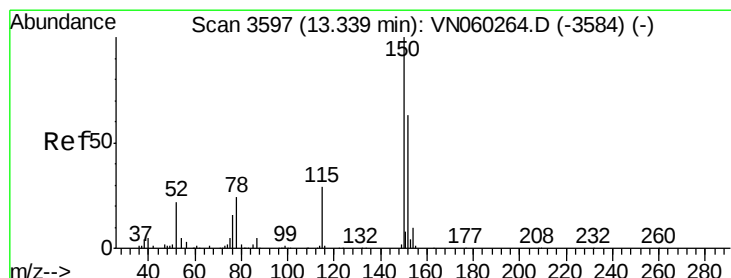
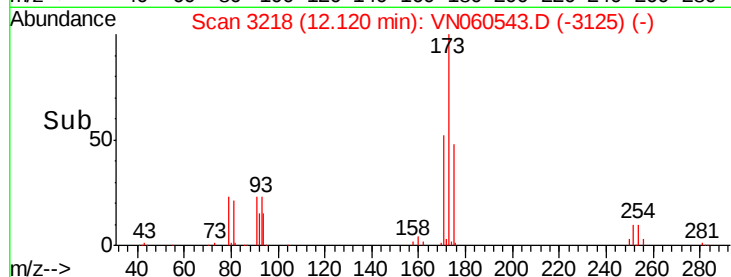
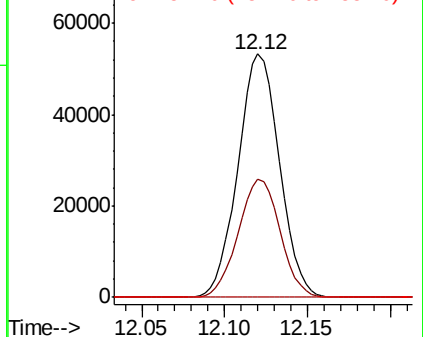
173 100

175 48.9 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: VN060543.D

Acq: 17 Mar 2020 9:25

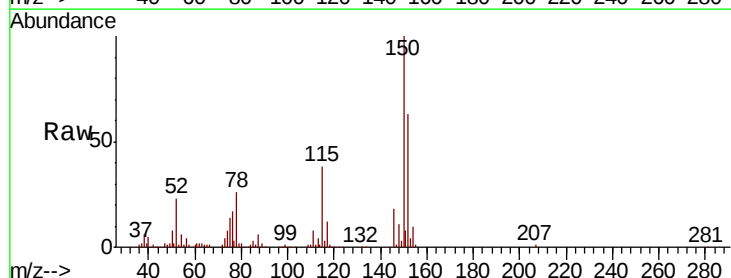
Tgt Ion:152 Resp: 146794

Ion Ratio Lower Upper

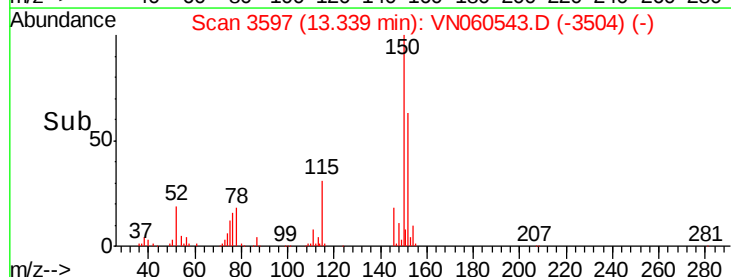
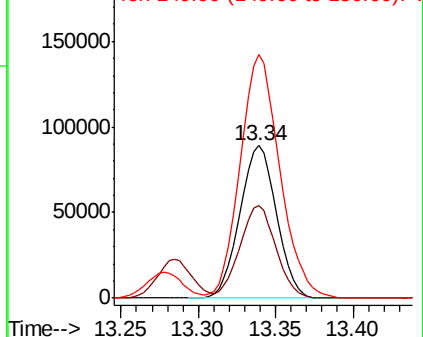
152 100

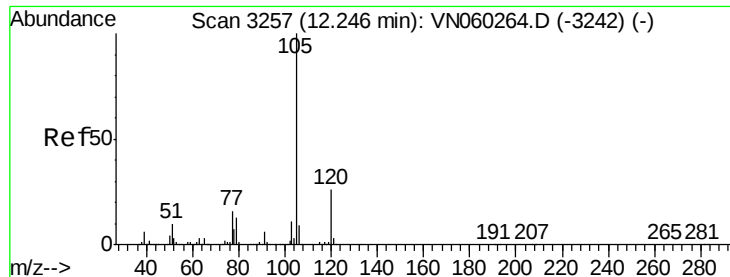
115 59.5 30.0 90.0

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: 51.662 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

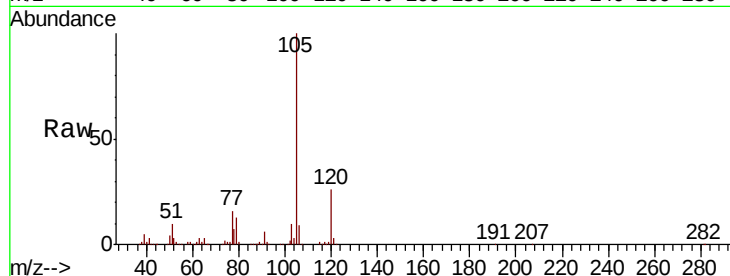
VSTDCCC050

Tot Ion:105 Resp: 562093

Ion Ratio Lower Upper

105 100

120 26.0 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

400000

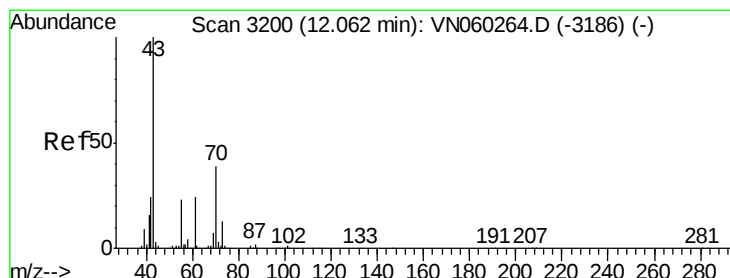
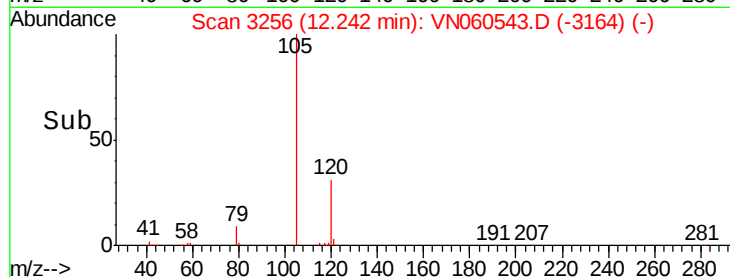
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 55.455 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Tgt Ion: 43 Resp: 263655

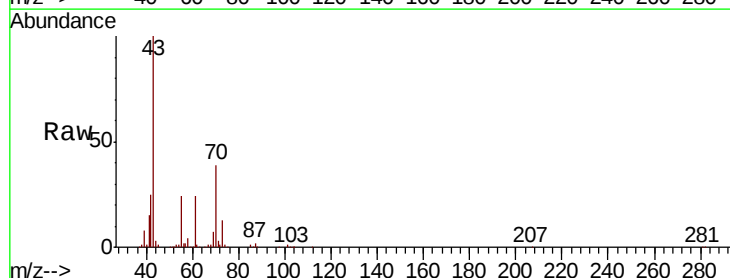
Ion Ratio Lower Upper

43 100

70 39.4 32.2 48.2

55 23.8 18.2 27.4

61 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

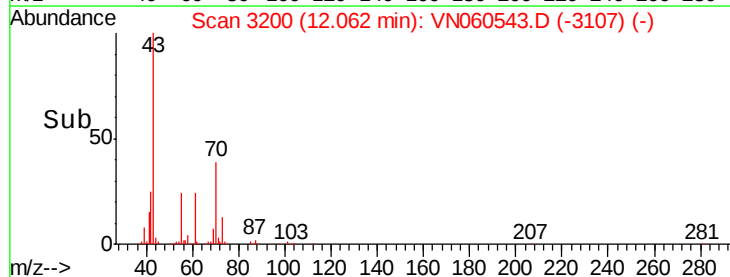
150000

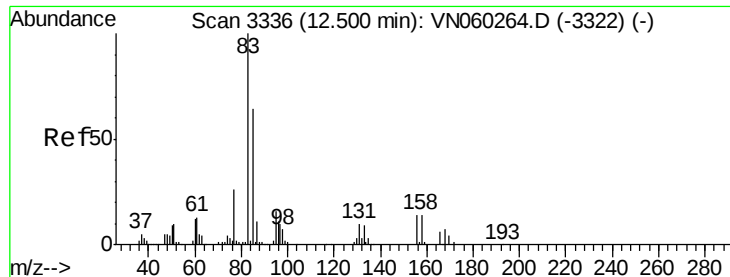
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 58.313 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

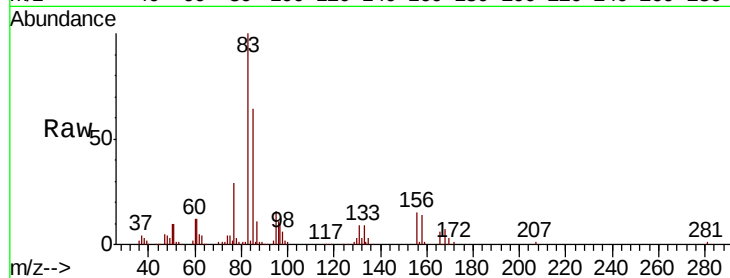
Tot Ion: 83 Resp: 172462

Ion Ratio Lower Upper

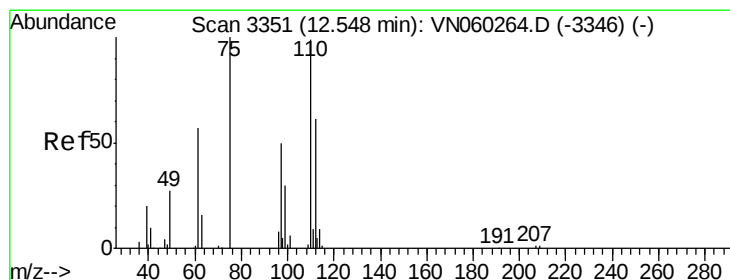
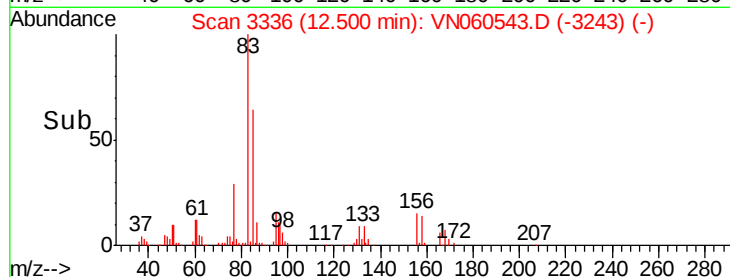
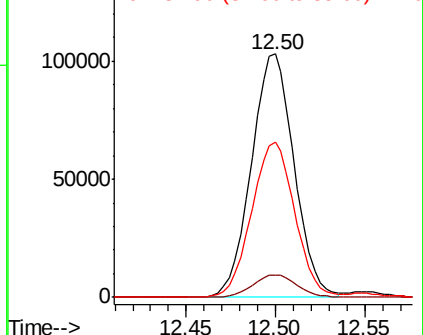
83 100

131 9.7 5.1 15.3

85 64.3 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: 73.844 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060543.D

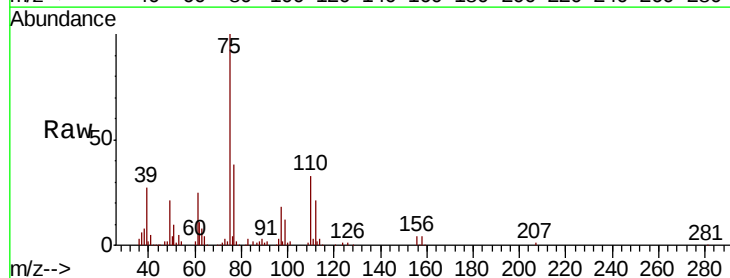
Acq: 17 Mar 2020 9:25

Tgt Ion: 75 Resp: 237826

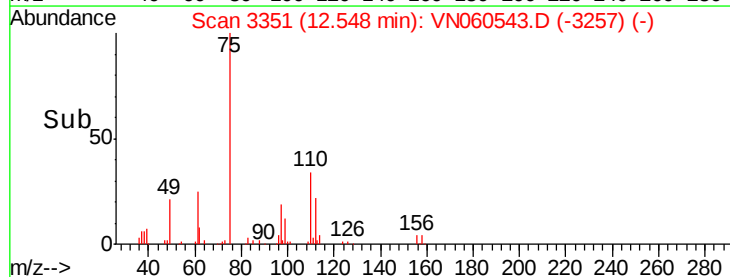
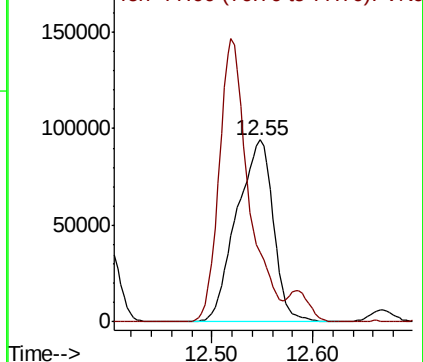
Ion Ratio Lower Upper

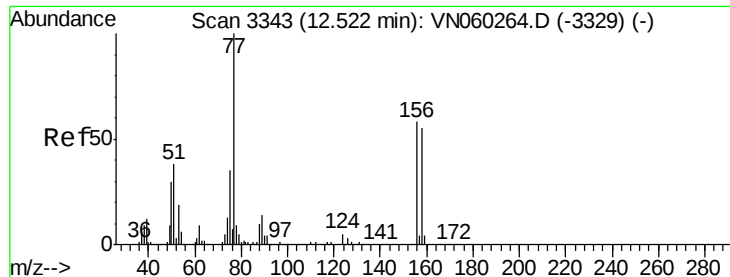
75 100

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: 50.012 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

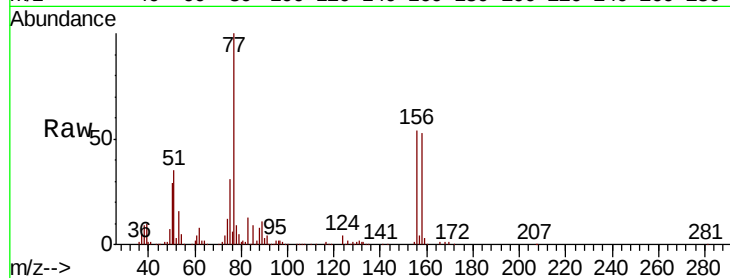
Tot Ion:156 Resp: 133384

Ion Ratio Lower Upper

156 100

77 225.2 106.1 318.3

158 98.9 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V

200000

150000

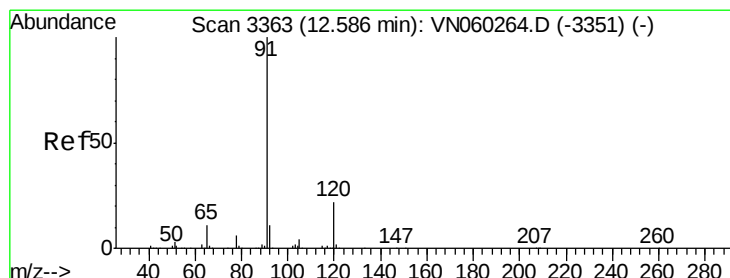
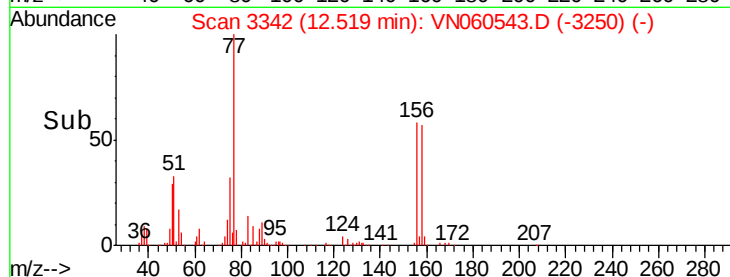
100000

50000

0

12.45 12.50 12.55

Time-->



#78

n-propylbenzene

Concen: 51.692 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060543.D

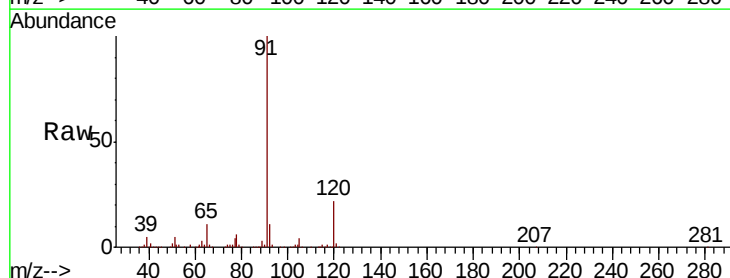
Acq: 17 Mar 2020 9:25

Tgt Ion: 91 Resp: 659260

Ion Ratio Lower Upper

91 100

120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

400000

300000

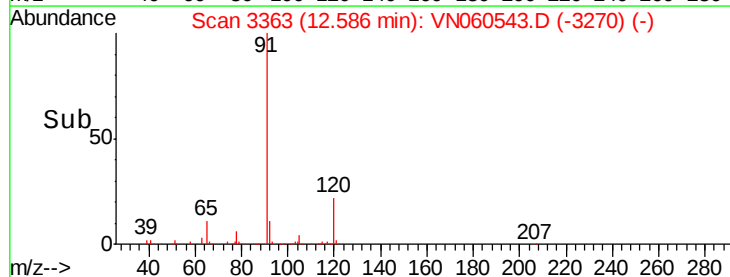
200000

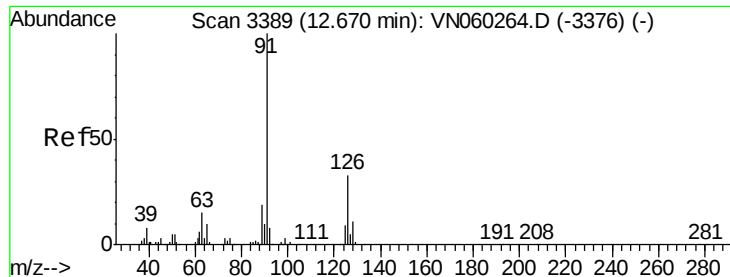
100000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 51.865 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

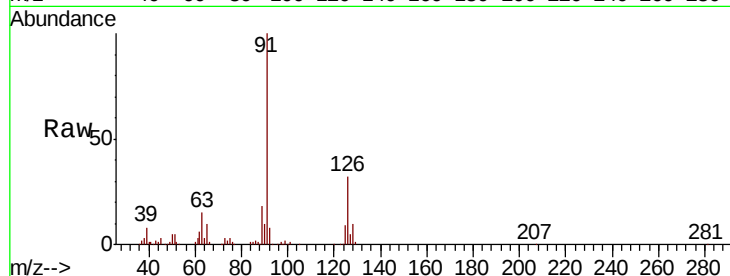
VSTDCCC050

Tot Ion: 91 Resp: 388826

Ion Ratio Lower Upper

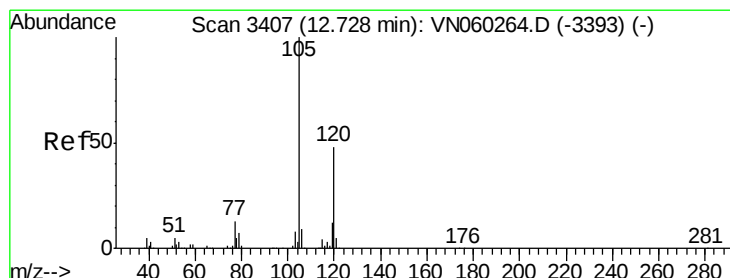
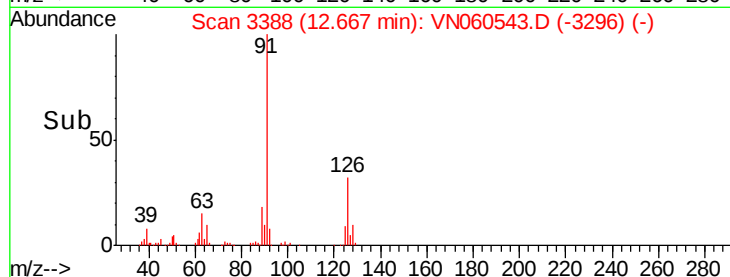
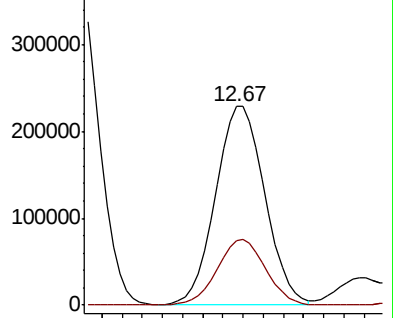
91 100

126 32.5 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.636 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060543.D

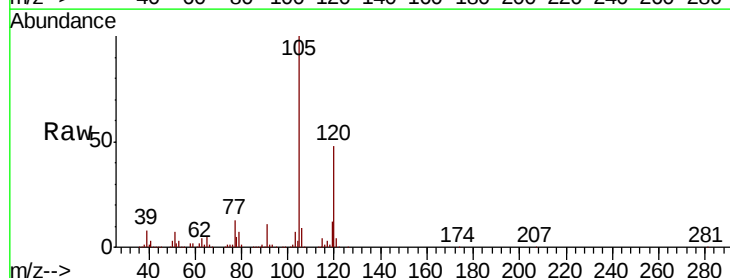
Acq: 17 Mar 2020 9:25

Tgt Ion: 105 Resp: 473017

Ion Ratio Lower Upper

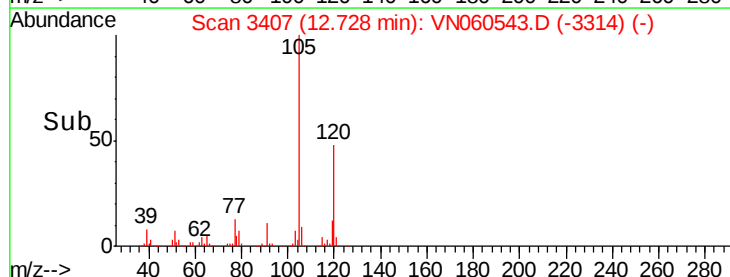
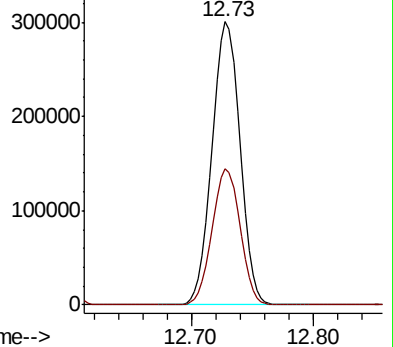
105 100

120 48.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060264.D (-3393) (-)

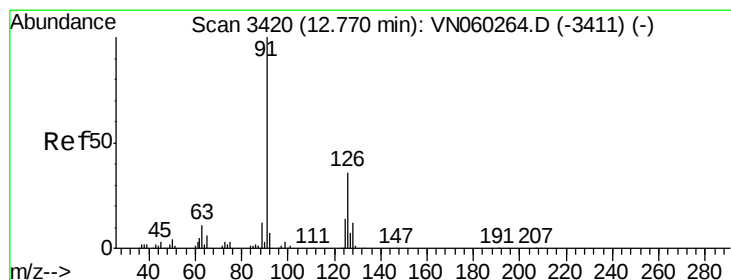
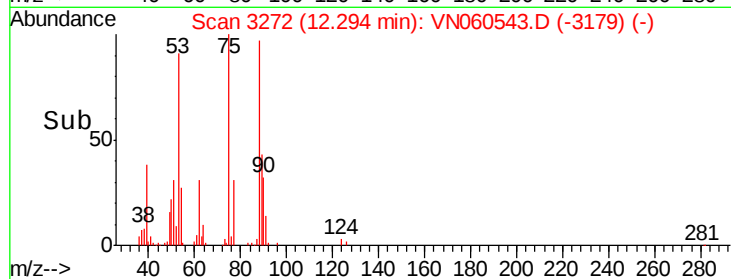
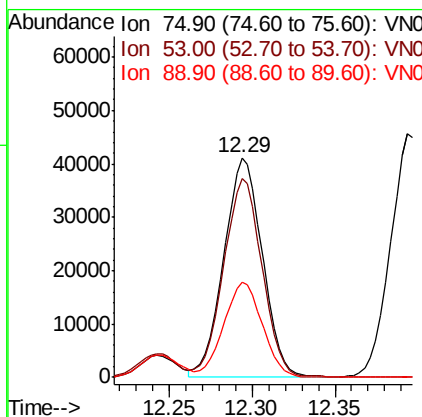
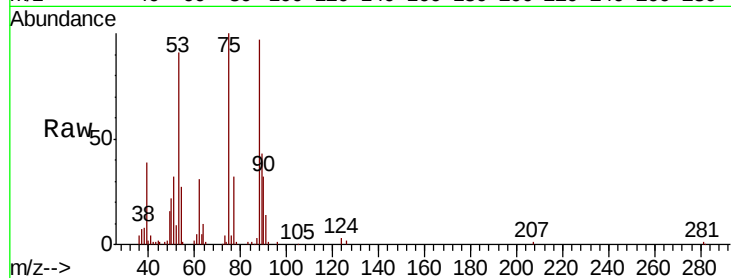




#81
trans-1,4-Dichloro-2-butene
Concen: 57.007 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

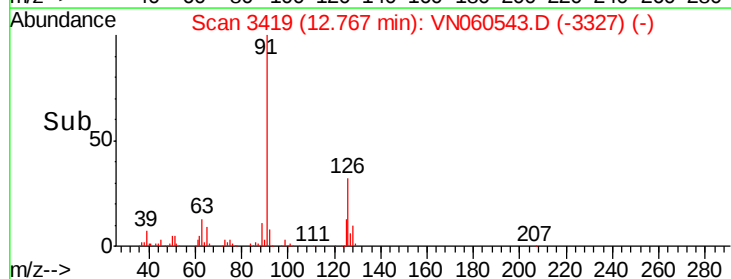
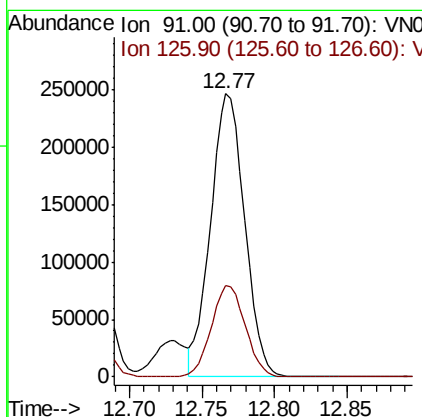
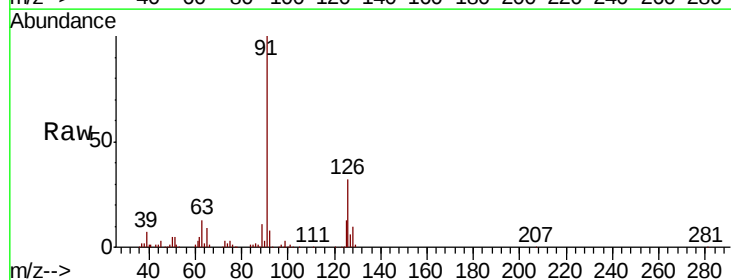
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

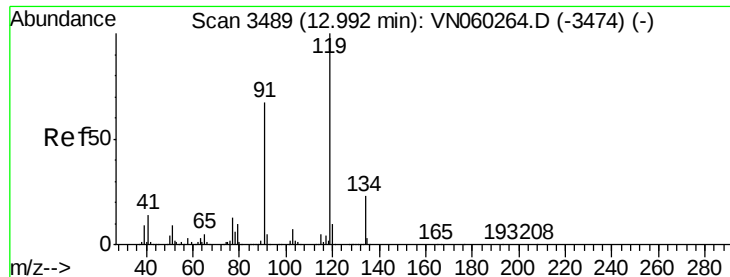
Tot Ion: 75 Resp: 66511
Ion Ratio Lower Upper
75 100
53 90.8 73.8 110.6
89 43.3 57.1 85.7#



#82
4-Chlorotoluene
Concen: 50.930 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 91 Resp: 402267
Ion Ratio Lower Upper
91 100
126 32.4 16.7 50.1

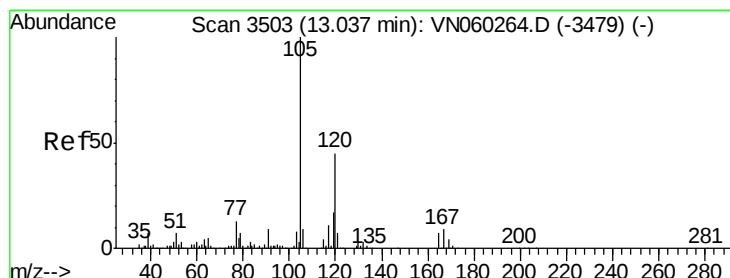
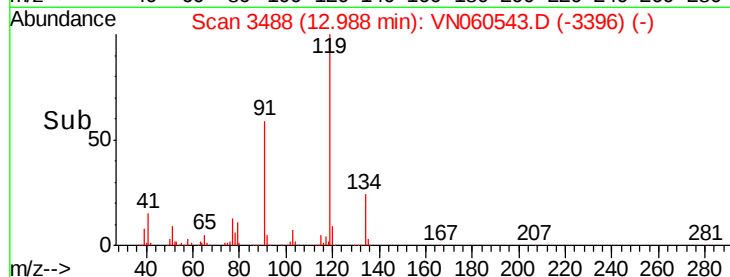
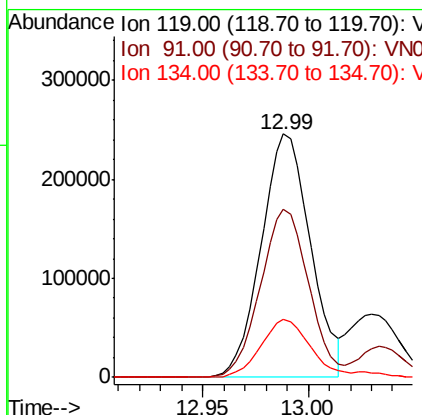
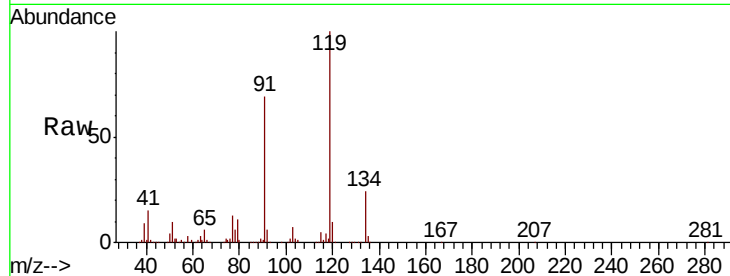




#83
tert-Butylbenzene
Concen: 50.477 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

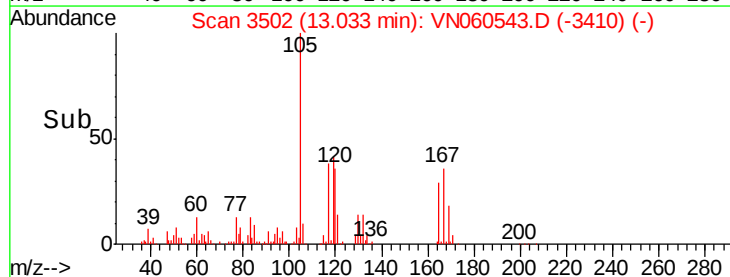
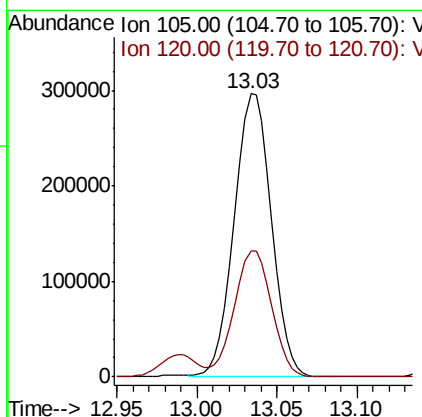
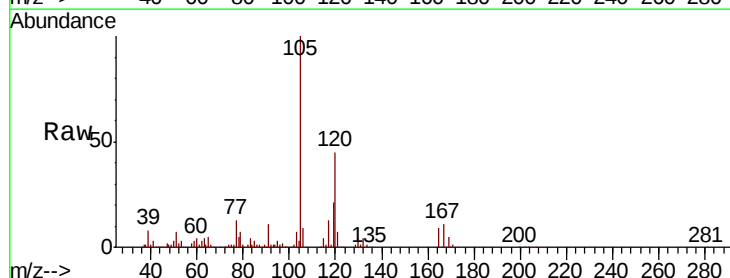
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 400349
Ion Ratio Lower Upper
119 100
91 68.0 33.1 99.2
134 25.1 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 50.709 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion:105 Resp: 468868
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9

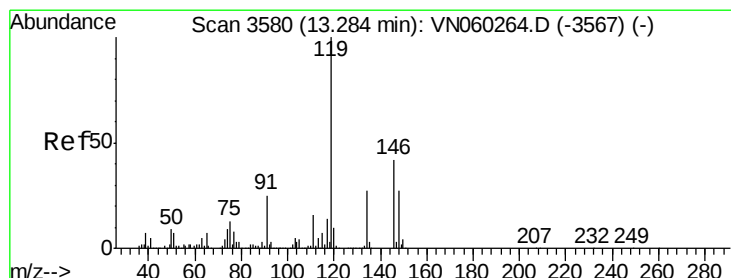
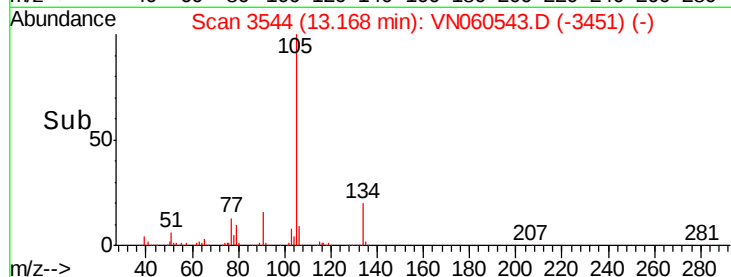
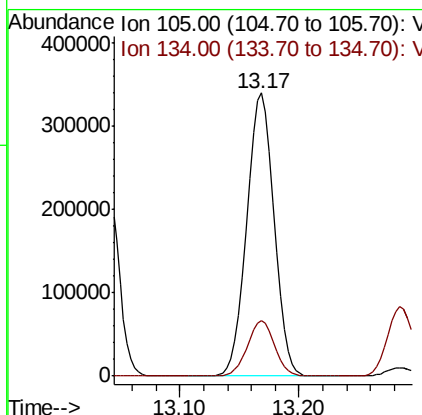
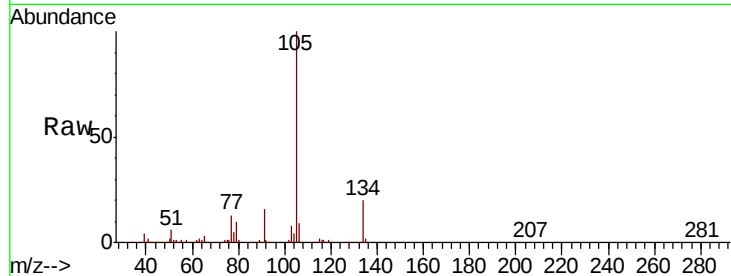




#85
 sec-Butylbenzene
 Concen: 50.757 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

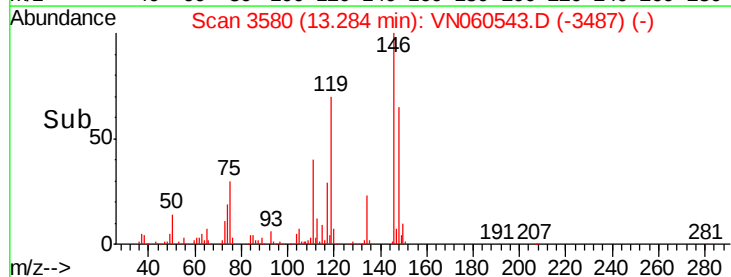
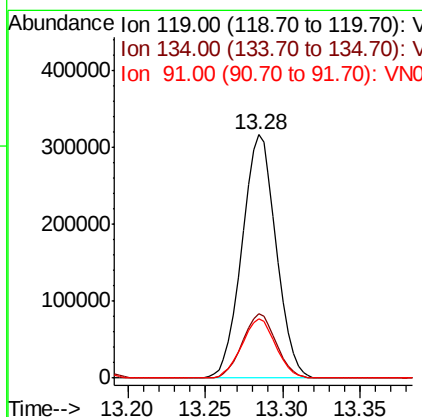
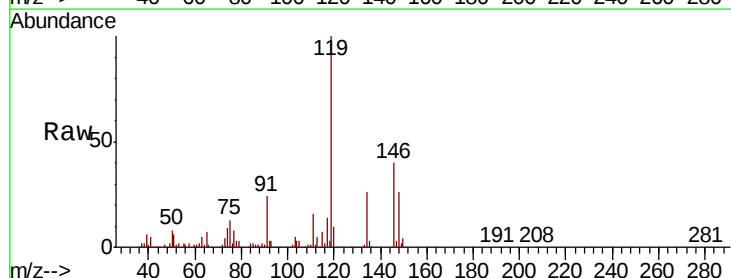
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 539086
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 49.294 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

Tgt Ion:119 Resp: 484576
 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: 52.353 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

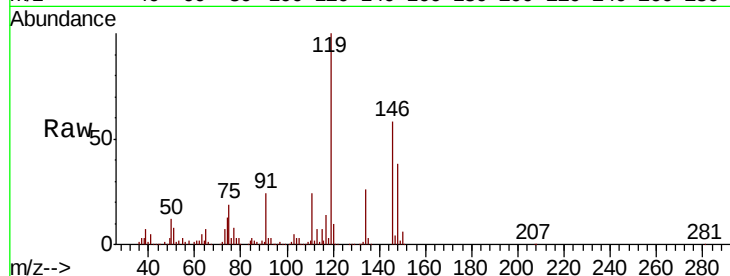
Tot Ion:146 Resp: 239882

Ion Ratio Lower Upper

146 100

111 40.8 20.0 59.9

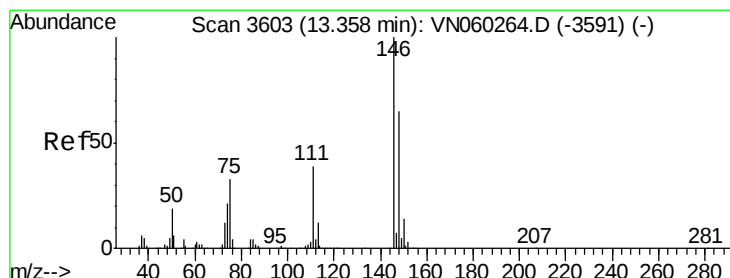
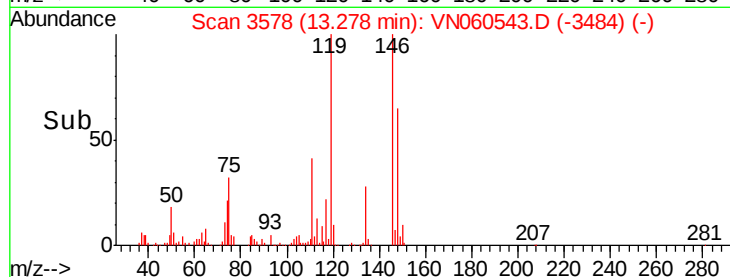
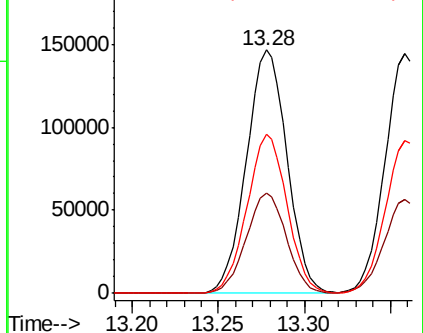
148 64.4 32.1 96.3



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: 52.453 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

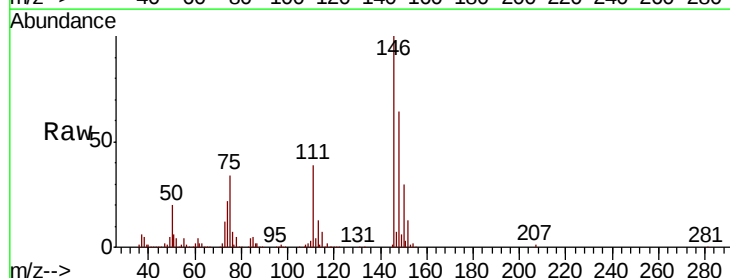
Tgt Ion:146 Resp: 238940

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.4

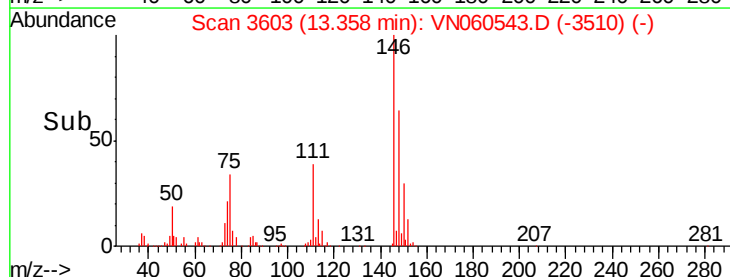
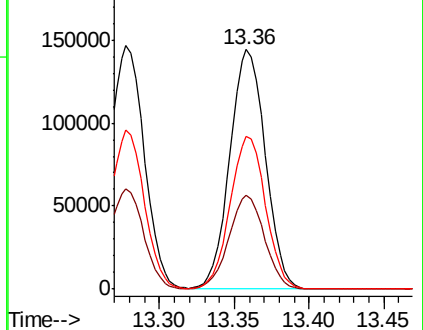
148 63.7 32.3 96.9

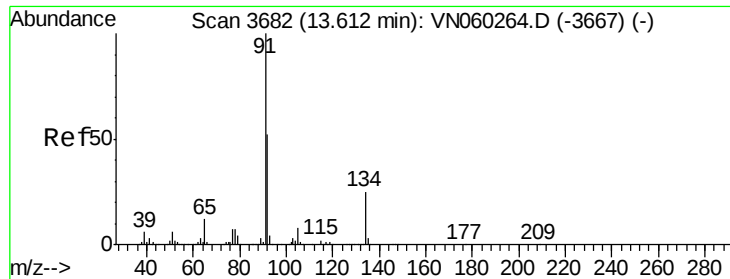


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

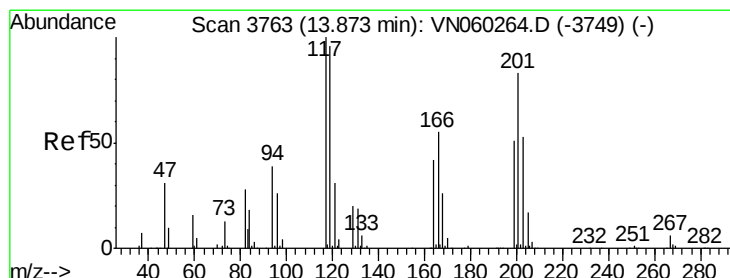
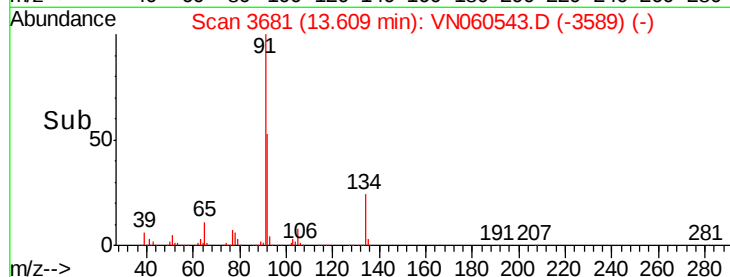
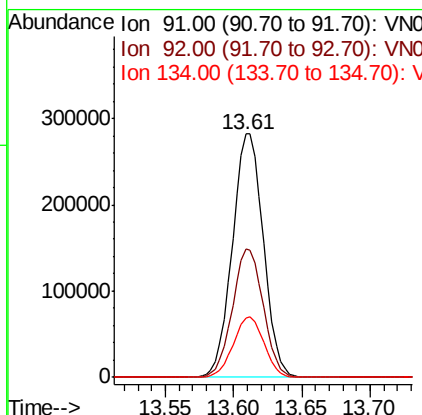
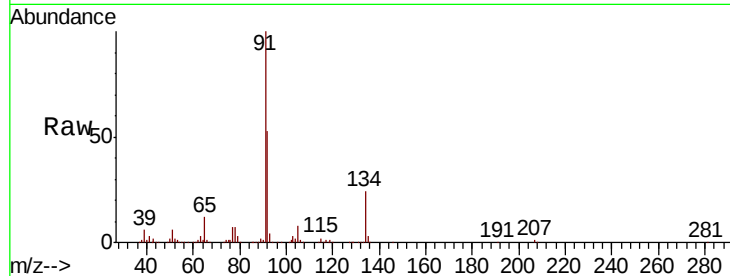




#89
n-Butylbenzene
Concen: 49.284 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

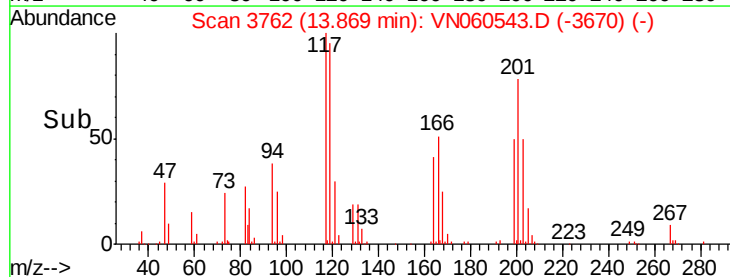
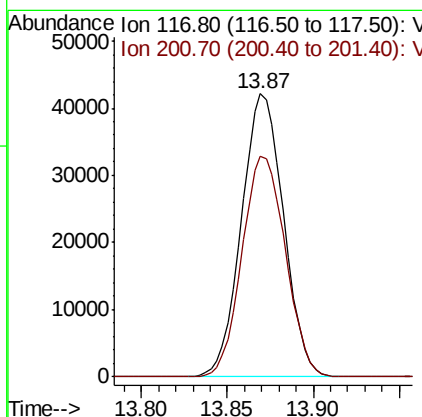
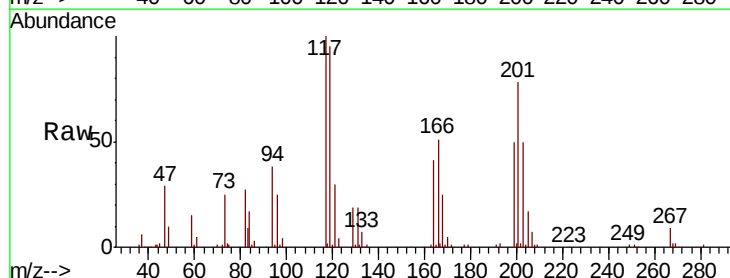
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 444738
Ion Ratio Lower Upper
91 100
92 52.4 26.0 78.0
134 24.6 12.7 38.1



#90
Hexachloroethane
Concen: 50.411 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060543.D
Acq: 17 Mar 2020 9:25

Tgt Ion: 117 Resp: 71729
Ion Ratio Lower Upper
117 100
201 80.2 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 49.397 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

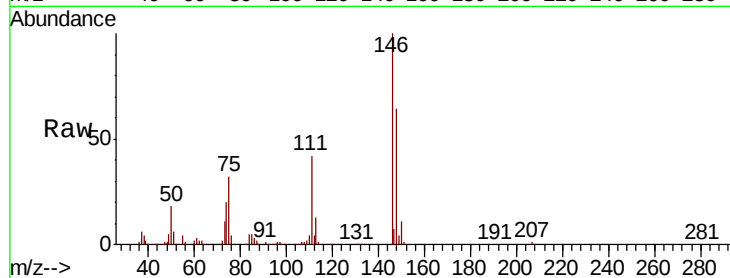
Tot Ion:146 Resp: 230844

Ion Ratio Lower Upper

146 100

111 42.1 20.3 61.0

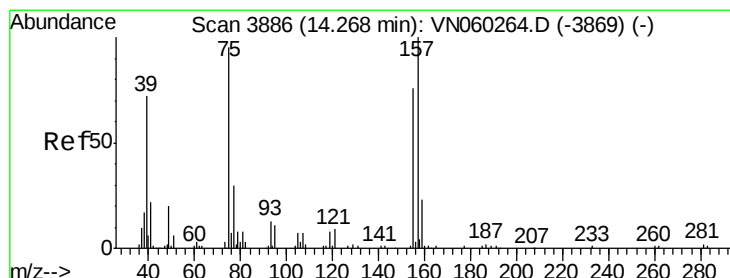
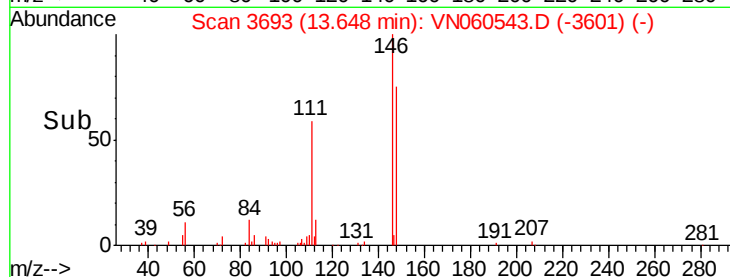
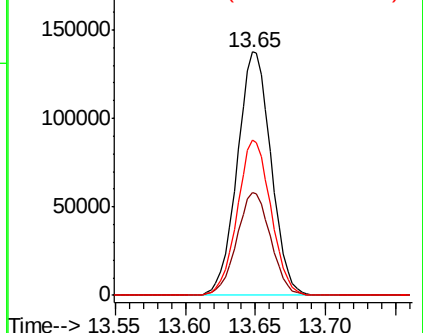
148 63.3 31.8 95.3



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: 51.364 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

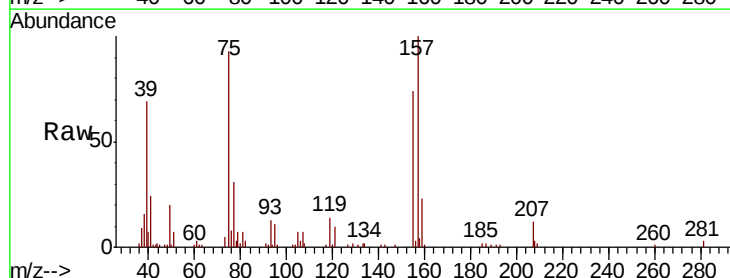
Tgt Ion: 75 Resp: 34401

Ion Ratio Lower Upper

75 100

155 78.7 40.4 121.2

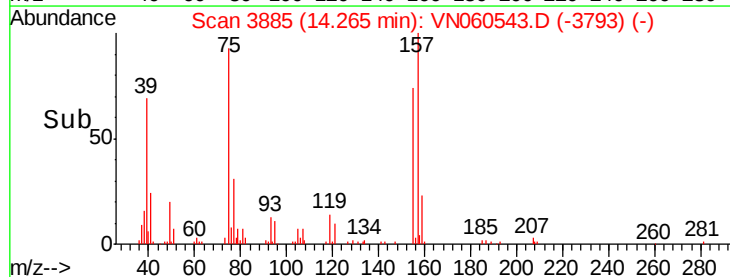
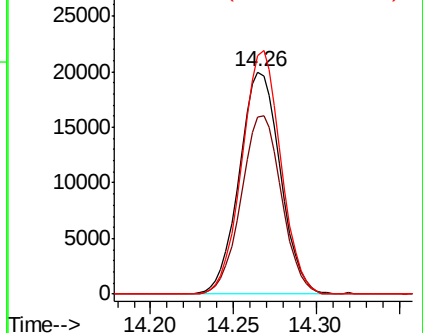
157 103.8 52.5 157.5



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

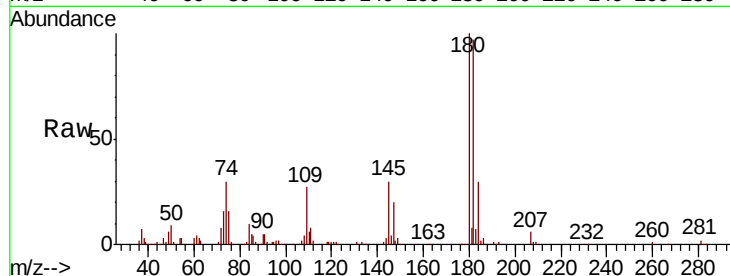




#93
 1,2,4-Trichlorobenzene
 Concen: 48.421 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	30.8	15.4	46.1

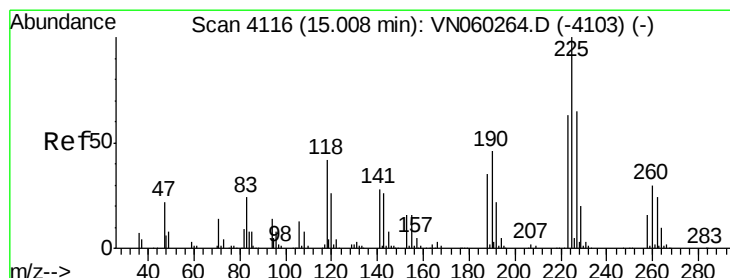
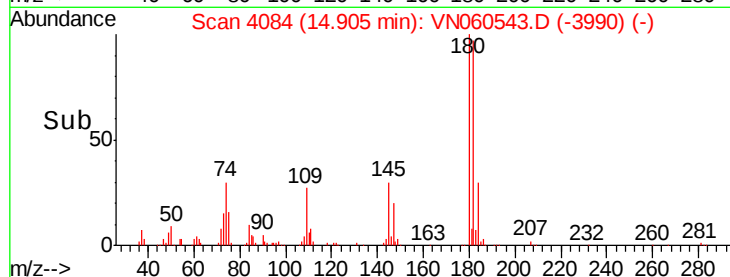
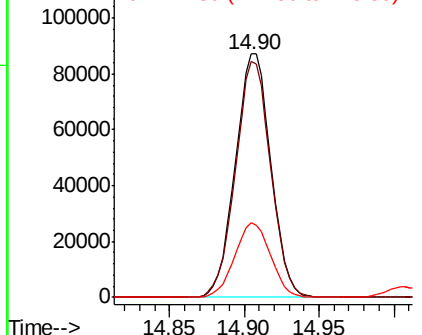


Abundance

Ion 179.80 (179.50 to 180.50): V

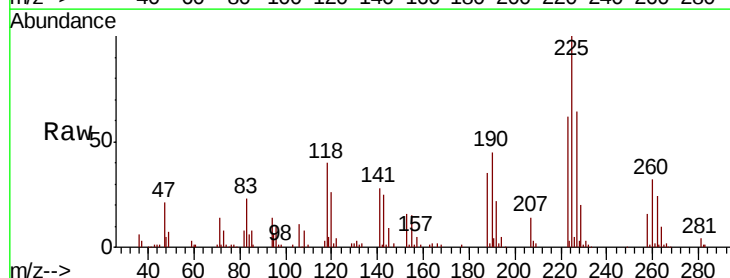
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.224 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060543.D
 Acq: 17 Mar 2020 9:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.9
227	63.7	32.3	96.9

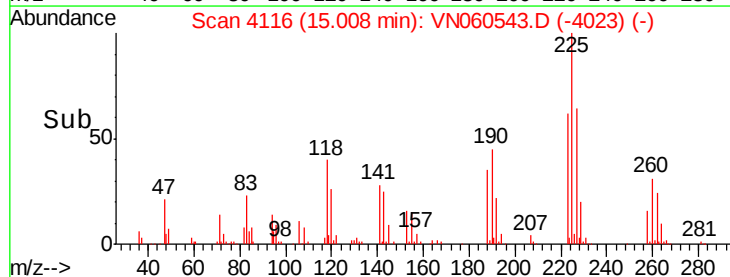
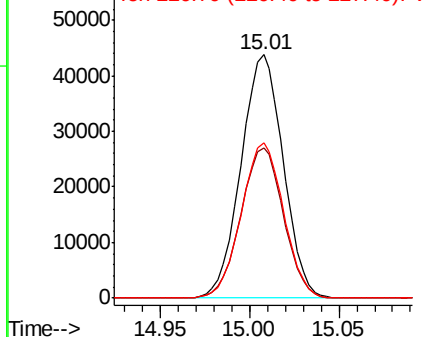


Abundance

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: 48.223 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

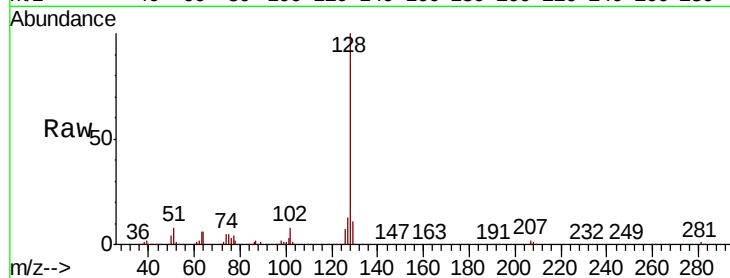
Tot Ion:128 Resp: 421864

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

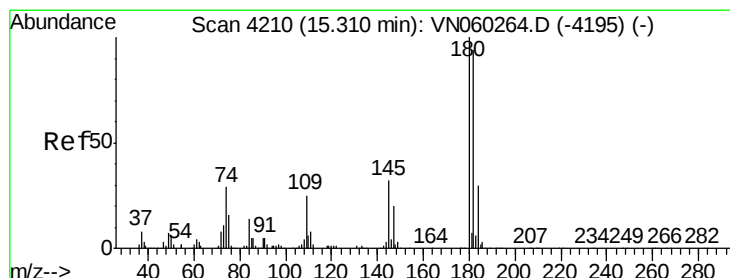
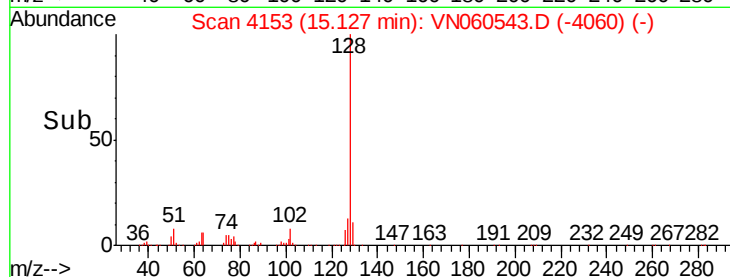
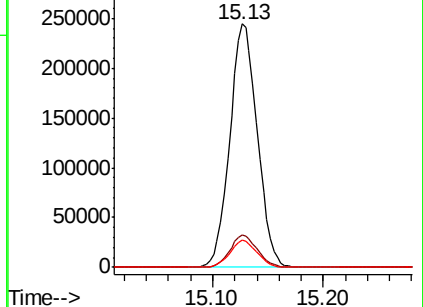
129 10.8 8.6 13.0



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: 49.746 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

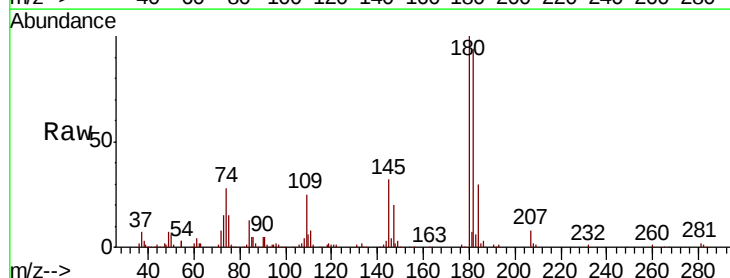
Tgt Ion:180 Resp: 139120

Ion Ratio Lower Upper

180 100

182 95.0 47.3 142.0

145 32.3 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

