

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060362.D
 Acq On : 5 Mar 2020 13:22
 Operator : JC/MD
 Sample : L1777-03
 Misc : 1.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40681-40683

Quant Time: Mar 06 00:44:24 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	164216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	262397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	244841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	117125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	101237	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	7.56	113	61752	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.08	98	323596	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.40	95	117071	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

					Qvalue	
3) Chloromethane	2.03	50	2886	1.101	ug/l	96
5) Bromomethane	2.49	94	817	Below Cal		81
10) Methyl Iodide	3.91	142	2146	1.447	ug/l #	88
12) 1,1-Dichloroethene	3.62	96	62	Below Cal	#	1
16) Acetone	3.79	43	1727	2.538	ug/l	100
17) Carbon Disulfide	4.01	76	1491	Below Cal	#	75
18) Methyl Acetate	4.30	43	4774	2.103	ug/l #	86
21) trans-1,2-Dichloroethene	5.00	96	65	Below Cal	#	1
25) 2-Butanone	6.78	43	917	0.834	ug/l #	49
31) Cyclohexane	7.61	56	112647	39.290	ug/l #	48
36) 1,1-Dichloropropene	7.64	75	13036	5.213	ug/l #	46
37) Ethyl Acetate	6.78	43	917	0.387	ug/l #	68
38) Carbon Tetrachloride	7.64	117	15622	6.416	ug/l #	16
39) Methylcyclohexane	9.06	83	51153	17.349	ug/l	98
41) Methacrylonitrile	7.36	41	11010	10.070	ug/l #	100
43) Isopropyl Acetate	8.12	43	70743	17.065	ug/l #	55
45) 1,2-Dichloropropane	9.06	63	405	0.213	ug/l #	1
47) Bromodichloromethane	9.25	83	1780	0.709	ug/l #	25
48) Methyl methacrylate	9.12	41	10219	5.406	ug/l #	41
51) 4-Methyl-2-Pentanone	9.85	43	13171	5.604	ug/l #	39
52) Toluene	10.14	92	4055502	886.993	ug/l	76
53) t-1,3-Dichloropropene	10.14	75	54646	17.758	ug/l #	1
55) 1,1,2-Trichloroethane	10.51	97	781	0.425	ug/l #	15
59) 2-Hexanone	10.74	43	986	0.571	ug/l	83
64) Tetrachloroethene	10.62	164	333	Below Cal		87
67) Ethyl Benzene	11.51	91	6641	0.738	ug/l	96
68) m/p-Xylenes	11.61	106	6709	1.975	ug/l	91
69) o-Xylene	11.94	106	3263	1.007	ug/l	92
70) Styrene	11.96	104	1751	0.329	ug/l #	78
73) Isopropylbenzene	12.25	105	2066	0.238	ug/l	100
74) N-amyl acetate	12.04	43	1924	0.507	ug/l #	59
76) 1,2,3-Trichloropropane	12.40	75	61134	23.790	ug/l #	100
78) n-propylbenzene	12.59	91	6664	0.655	ug/l	96
79) 2-Chlorotoluene	12.77	91	1378	0.230	ug/l	96

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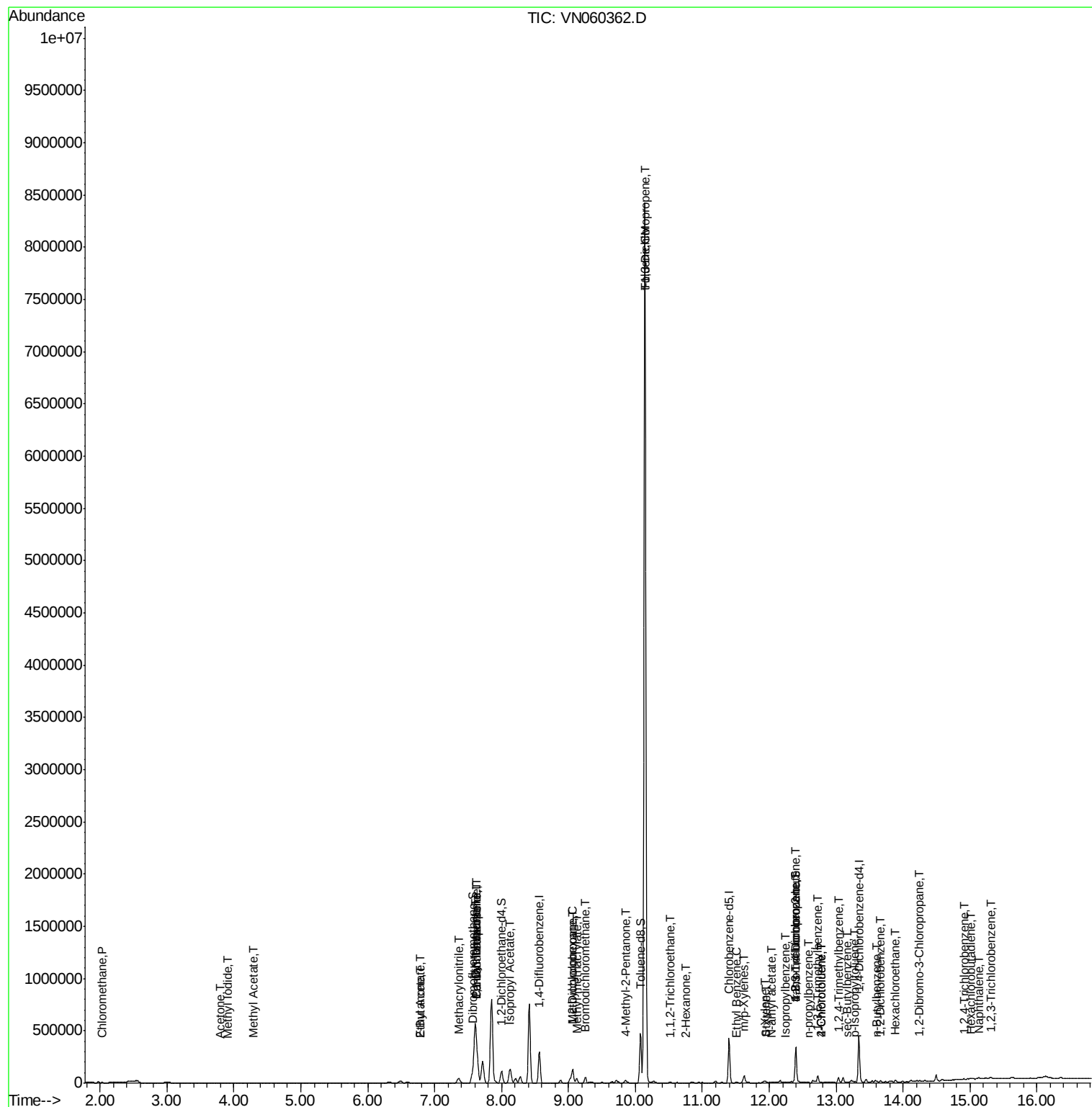
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	13286	1.818	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	61134	65.672	ug/l #	8
82) 4-Chlorotoluene	12.77	91	1378	0.219	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	29378	3.982	ug/l	98
85) sec-Butylbenzene	13.17	105	3573	0.422	ug/l	91
86) p-Isopropyltoluene	13.29	119	3347	0.427	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	1134	Below Cal		87
89) n-Butylbenzene	13.61	91	6407	0.890	ug/l #	83
90) Hexachloroethane	13.89	117	1088	0.958	ug/l #	8
91) 1,2-Dichlorobenzene	13.65	146	970	0.260	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.25	75	294	0.550	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.90	180	2125	0.984	ug/l #	90
94) Hexachlorobutadiene	15.00	225	1265	0.597	ug/l	93
95) Naphthalene	15.13	128	8555	0.959	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	2217	0.814	ug/l #	74

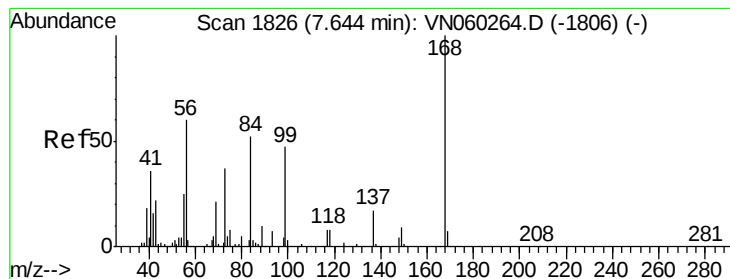
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

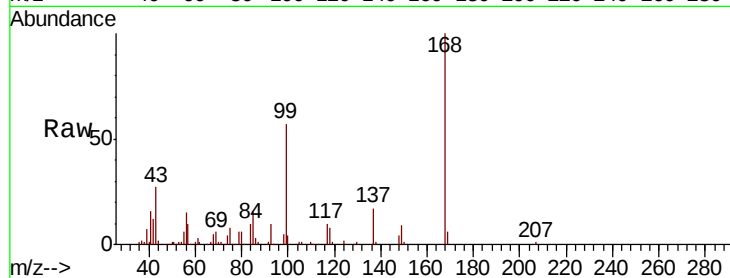
40681-40683

Tot Ion:168 Resp: 164216

Ion Ratio Lower Upper

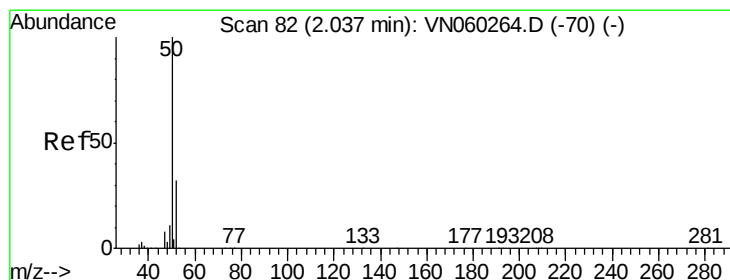
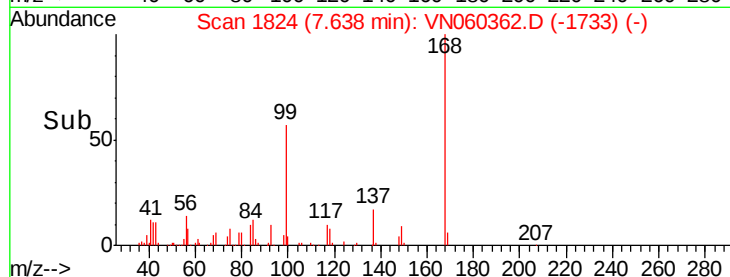
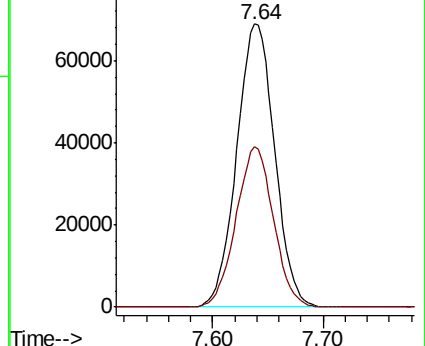
168 100

99 56.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 1.101 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060362.D

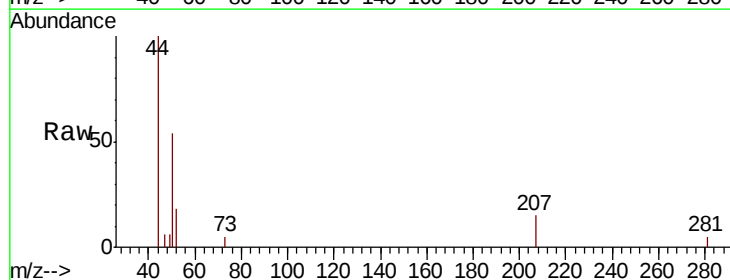
Acq: 5 Mar 2020 13:22

Tgt Ion: 50 Resp: 2886

Ion Ratio Lower Upper

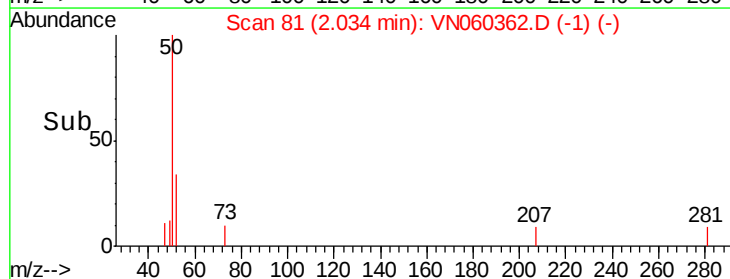
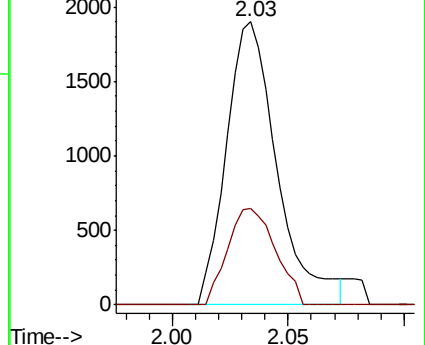
50 100

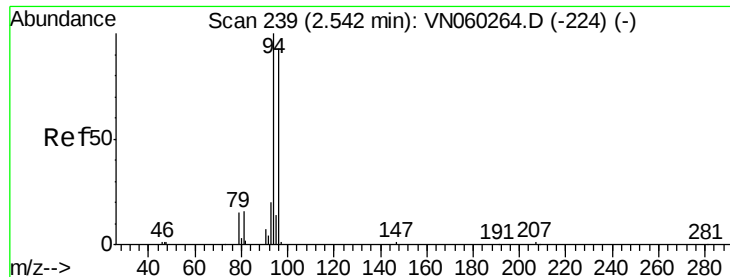
52 34.0 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.49 min Scan# 222

Delta R.T. -0.05 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

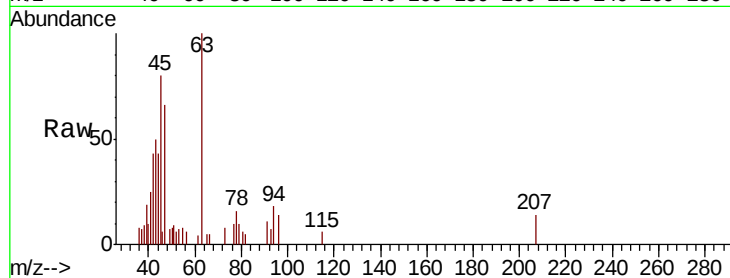
40681-40683

Tot Ion: 94 Resp: 817

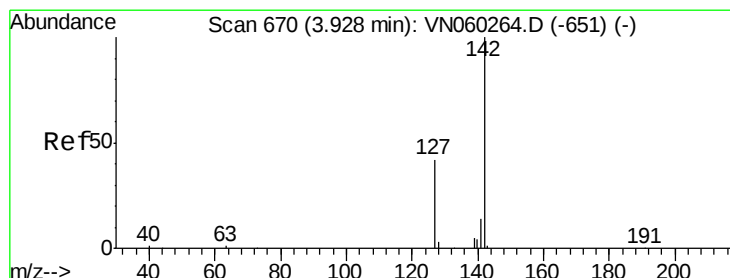
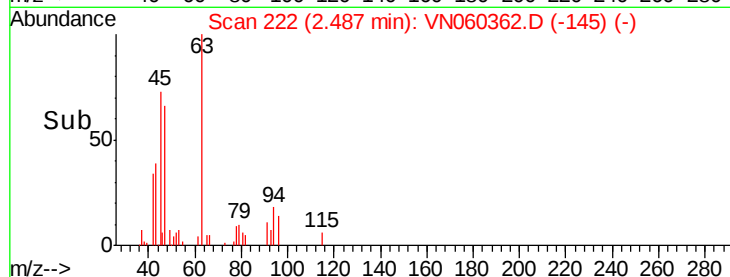
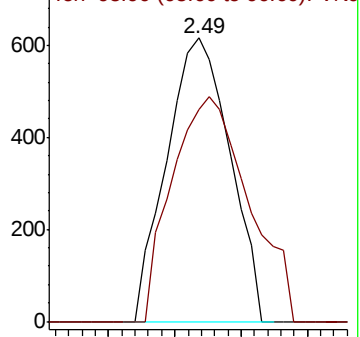
Ion Ratio Lower Upper

94 100

96 74.7 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN060362.D (-145) (-)



#10

Methyl Iodide

Concen: 1.447 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.02 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

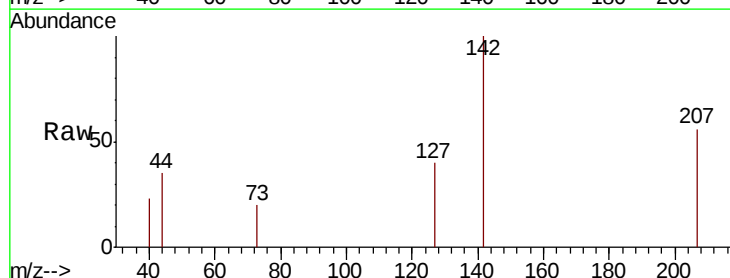
Tgt Ion: 142 Resp: 2146

Ion Ratio Lower Upper

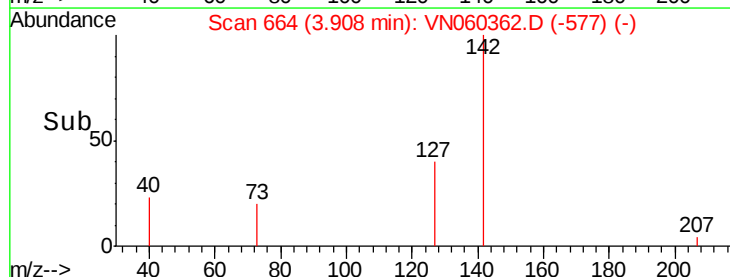
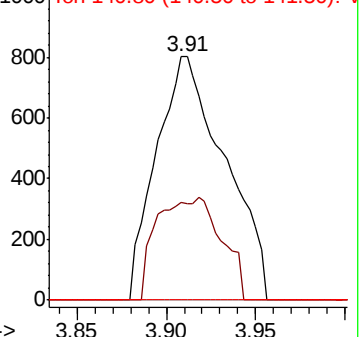
142 100

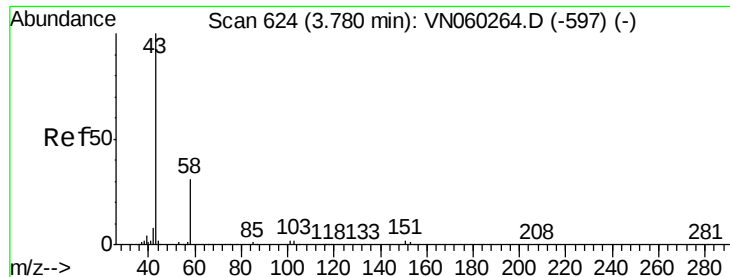
127 39.6 33.8 50.6

141 0.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): VN060362.D (-577) (-)





#16

Acetone

Concen: 2.538 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

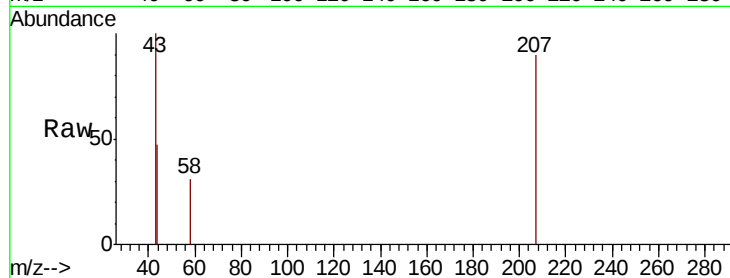
40681-40683

Tot Ion: 43 Resp: 1727

Ion Ratio Lower Upper

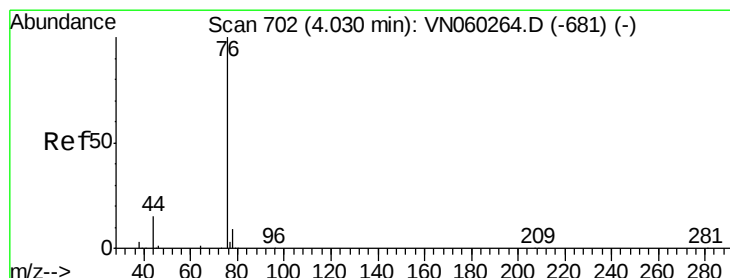
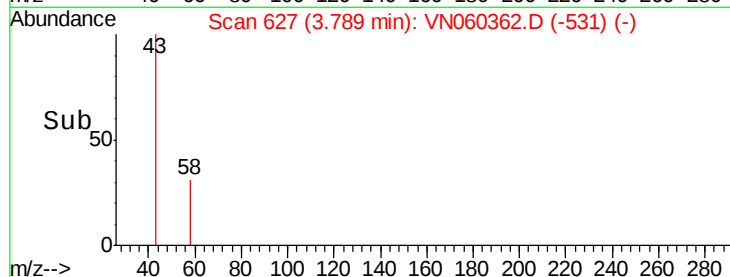
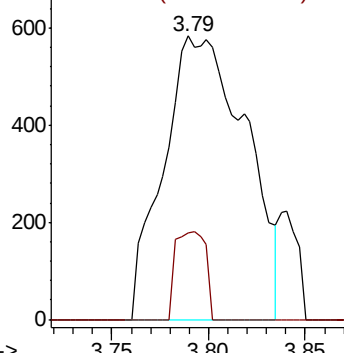
43 100

58 30.7 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: Below Cal

RT: 4.01 min Scan# 695

Delta R.T. -0.02 min

Lab File: VN060362.D

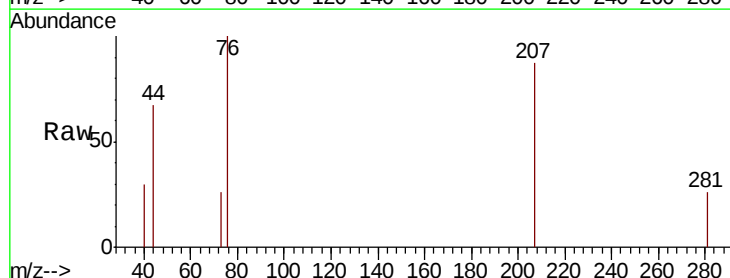
Acq: 5 Mar 2020 13:22

Tgt Ion: 76 Resp: 1491

Ion Ratio Lower Upper

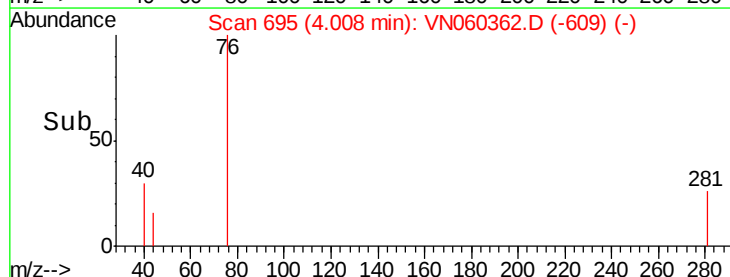
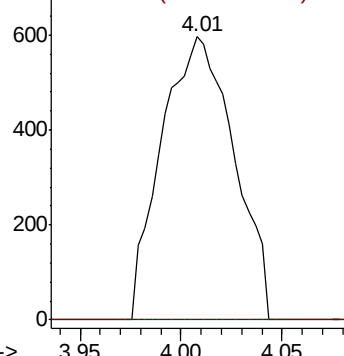
76 100

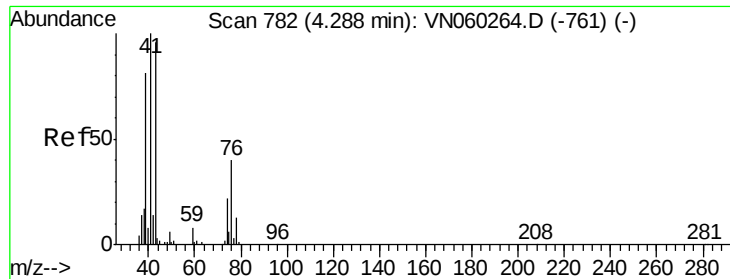
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

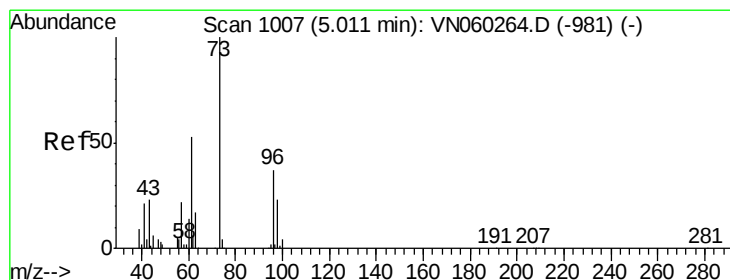
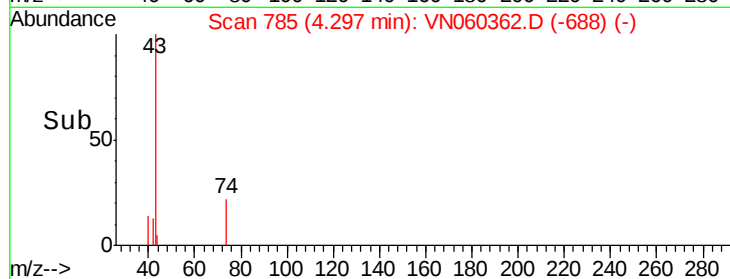
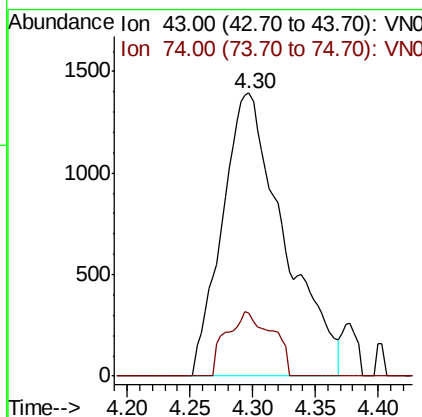
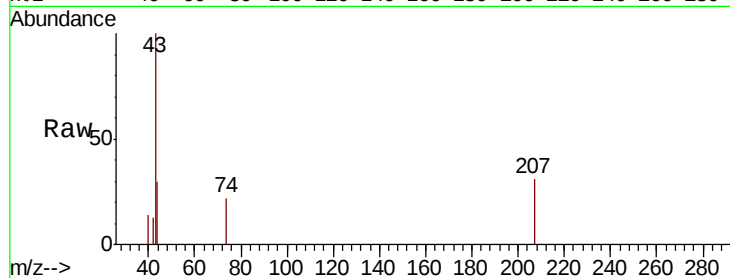




#18
Methvl Acetate
Concen: 2.103 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

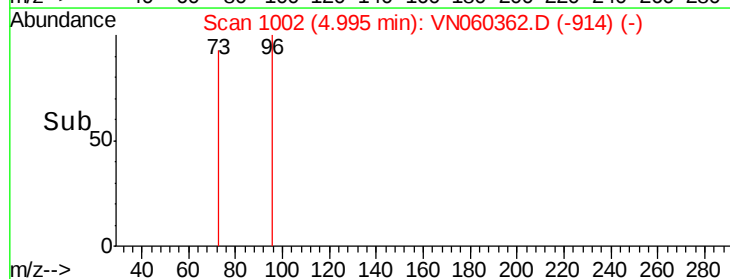
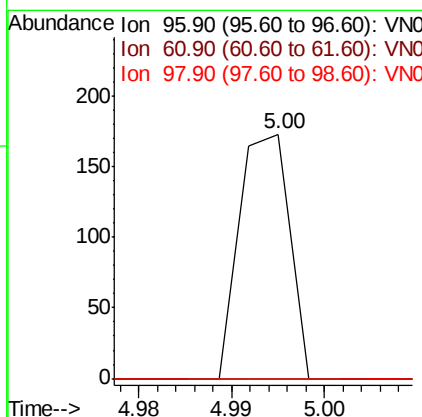
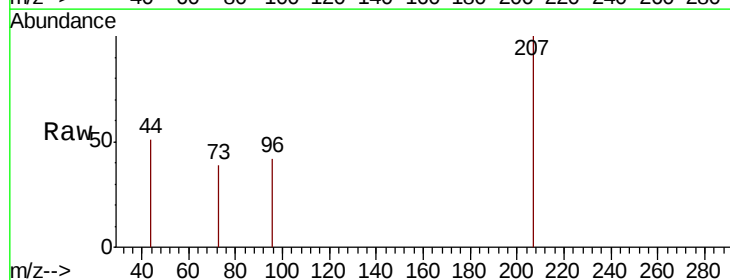
Instrument :
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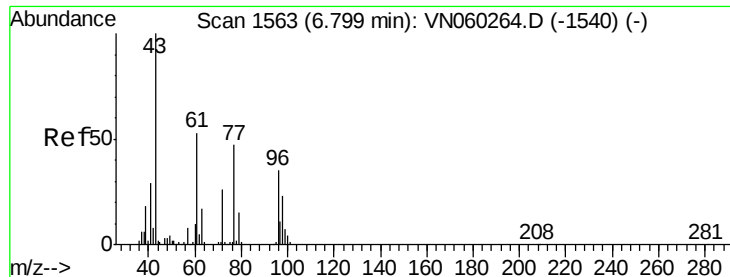
Tot Ion: 43 Resp: 4774
Ion Ratio Lower Upper
43 100
74 16.7 18.8 28.2#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.00 min Scan# 1002
Delta R.T. -0.02 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Tgt Ion: 96 Resp: 65
Ion Ratio Lower Upper
96 100
61 0.0 113.8 170.8#
98 0.0 48.8 73.2#





#25

2-Butanone

Concen: 0.834 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.02 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

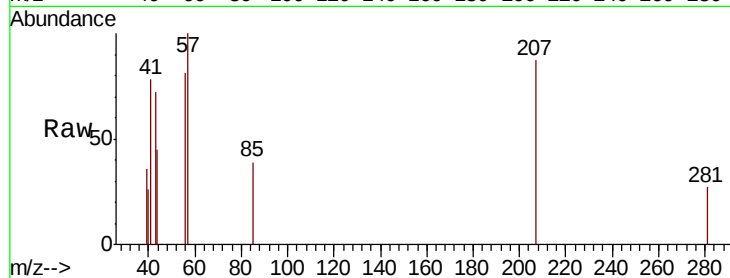
40681-40683

Tot Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

400

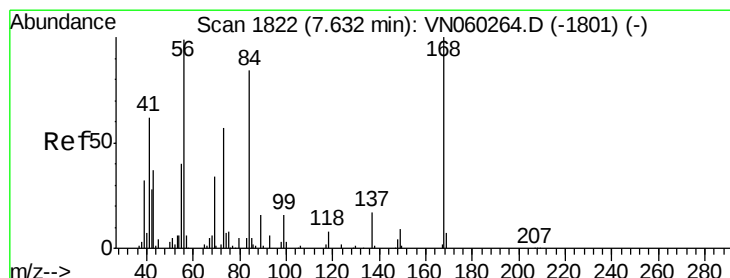
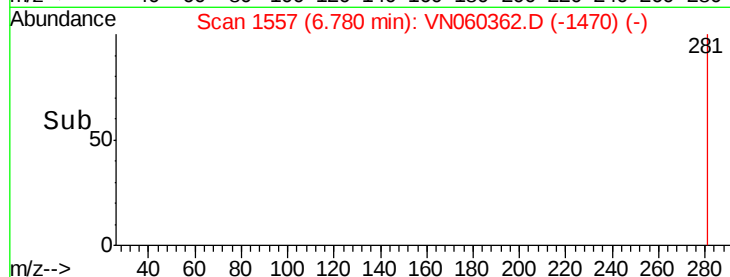
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 39.290 ug/l

RT: 7.61 min Scan# 1814

Delta R.T. -0.03 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

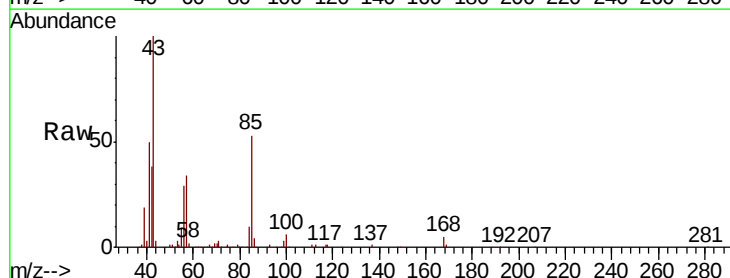
Tgt Ion: 56 Resp: 112647

Ion Ratio Lower Upper

56 100

69 8.3 27.2 40.8#

84 33.7 66.7 100.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

60000

50000

40000

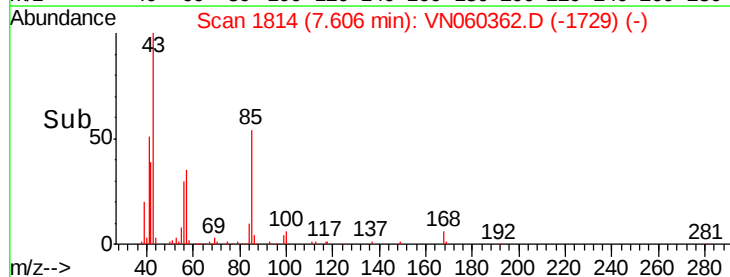
30000

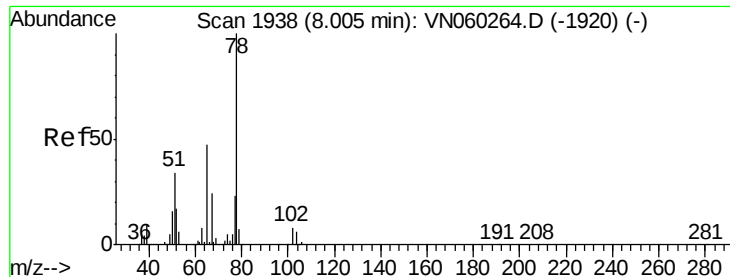
20000

10000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.050 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

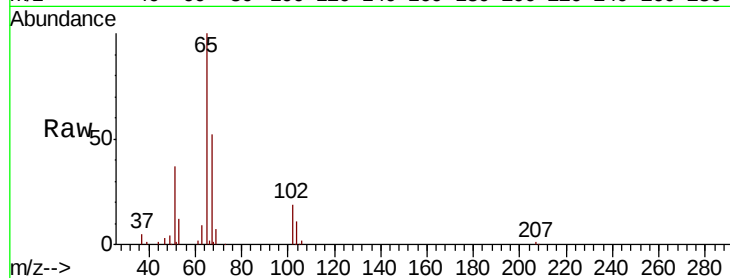
40681-40683

Tot Ion: 65 Resp: 101237

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060362.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060362.D (-1920) (-)

8.00

40000

30000

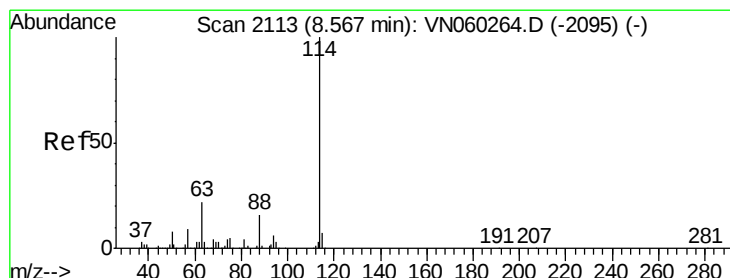
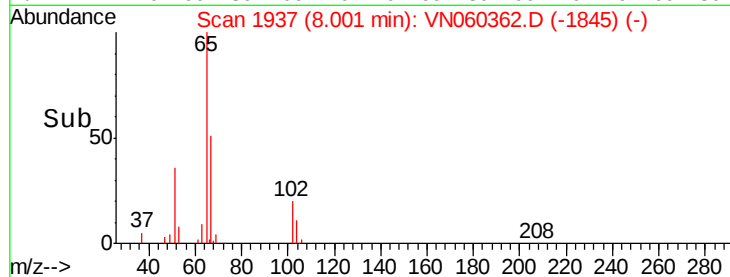
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

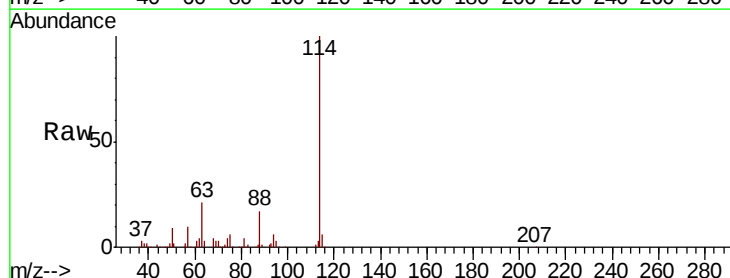
Tgt Ion: 114 Resp: 262397

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

88 16.5 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060362.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060362.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060362.D (-2095) (-)

8.56

150000

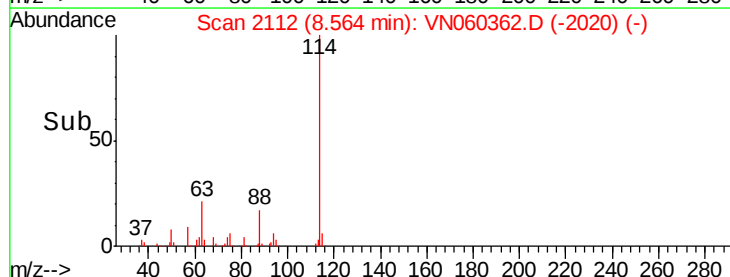
100000

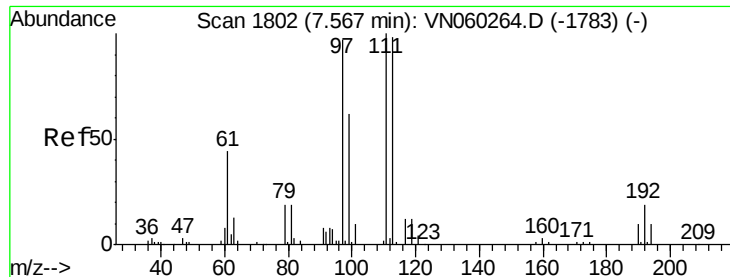
50000

0

8.50 8.55 8.60 8.65 8.70

Time-->

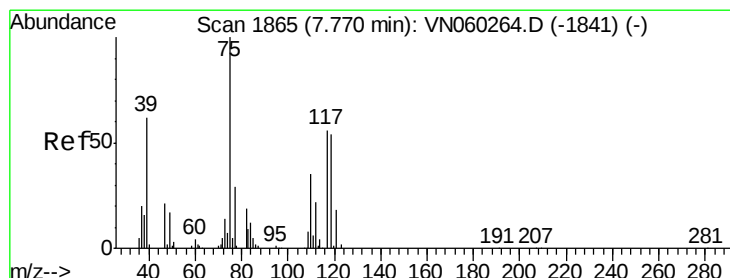
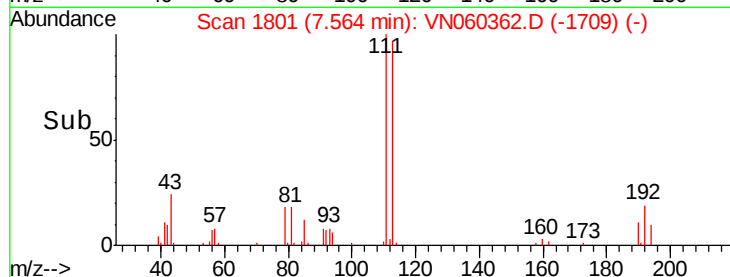
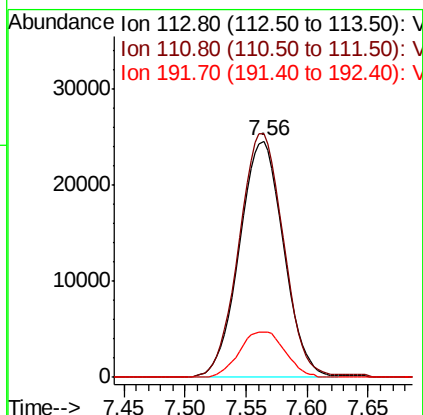
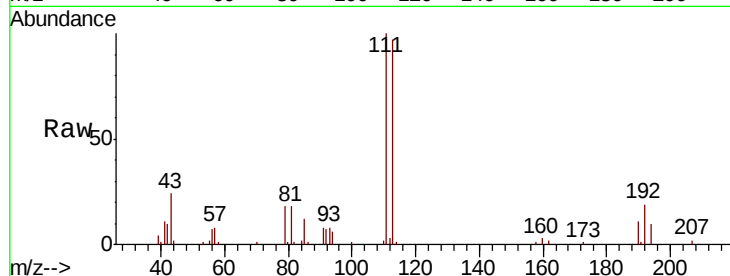




#35
 Dibromofluoromethane
 Concen: 50.701 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060362.D
 Acq: 5 Mar 2020 13:22

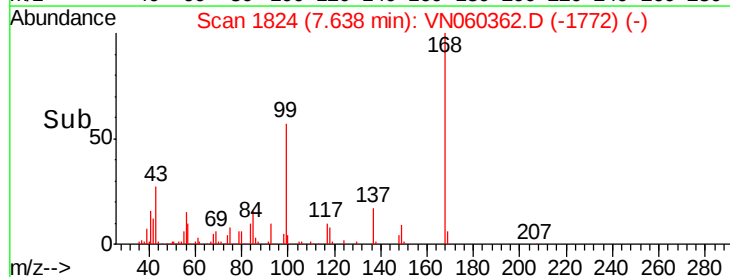
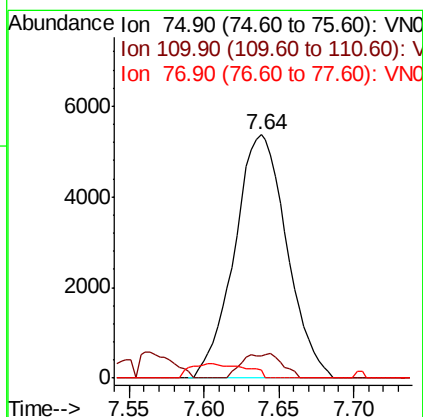
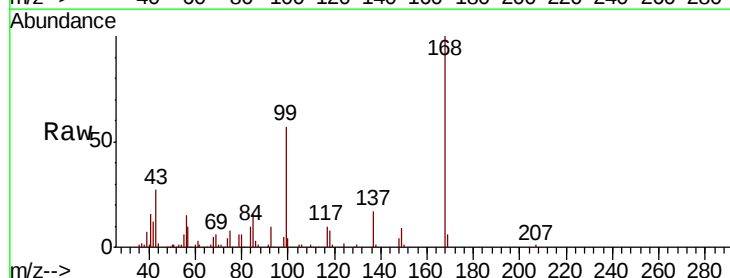
Instrument :
 MSVOA_N
 ClientSampleId :
 40681-40683

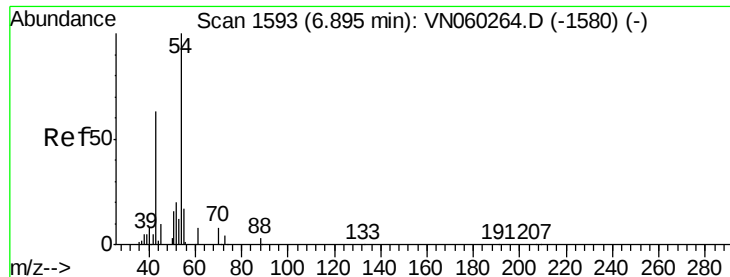
Tot Ion:113 Resp: 61752
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.4 123.6
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.213 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060362.D
 Acq: 5 Mar 2020 13:22

Tgt Ion: 75 Resp: 13036
 Ion Ratio Lower Upper
 75 100
 110 4.0 17.3 52.0#
 77 0.0 24.2 36.2#

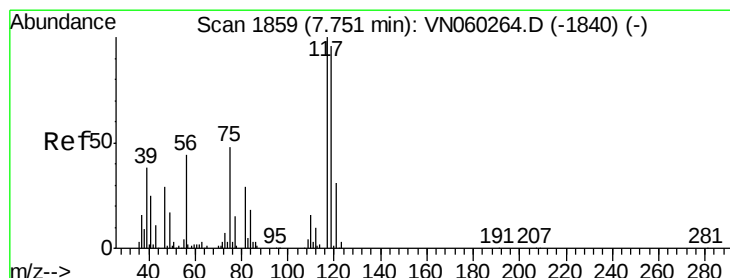
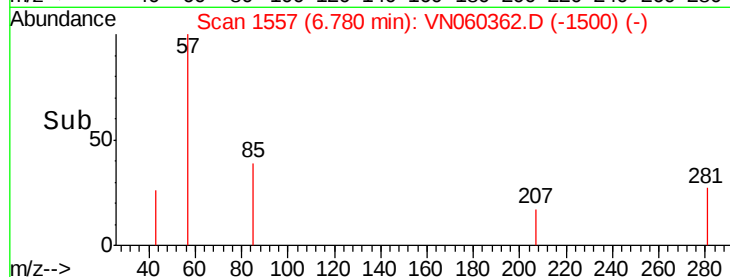
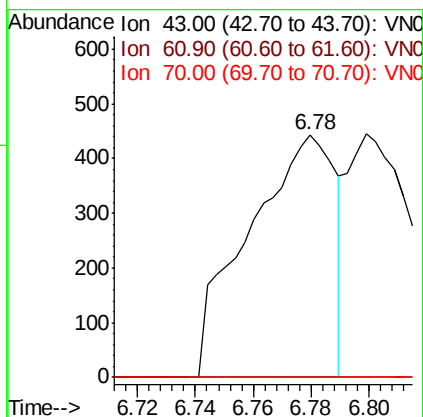
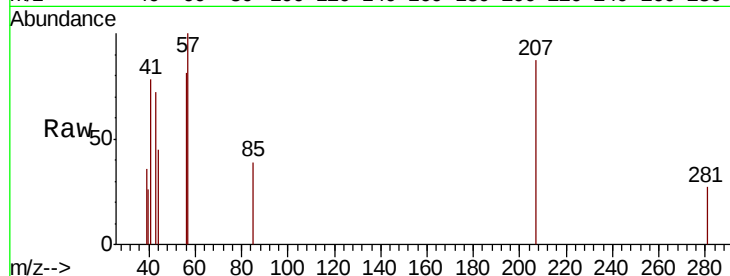




#37
Ethyl Acetate
Concen: 0.387 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.12 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

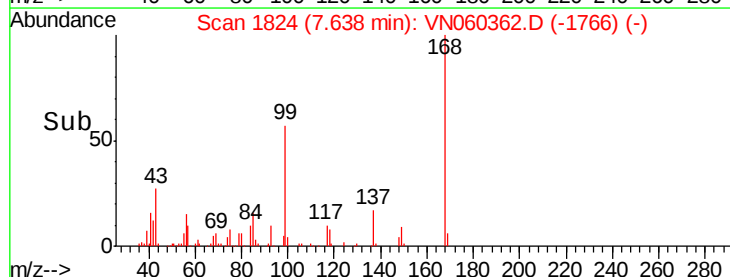
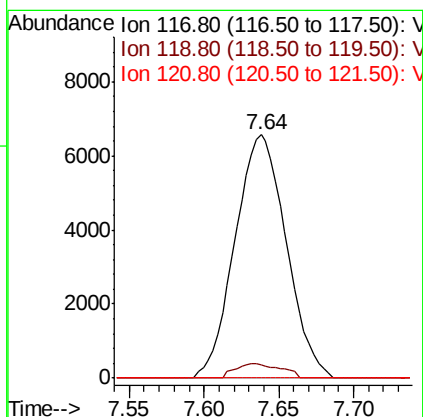
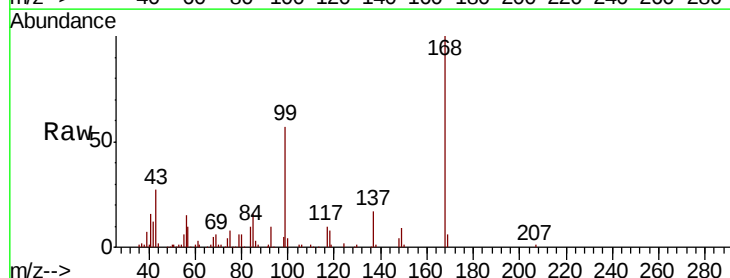
Instrument :
MSVOA_N
ClientSampleId :
40681-40683

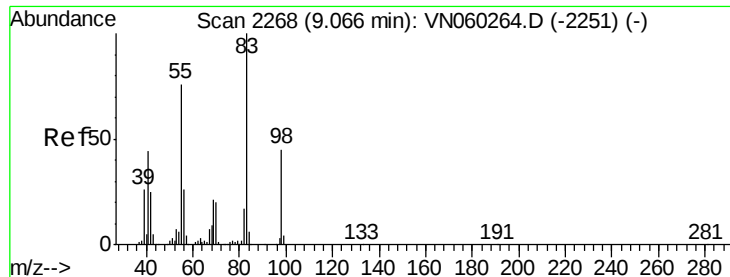
Tot Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.416 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Tgt Ion: 117 Resp: 15622
Ion Ratio Lower Upper
117 100
119 5.5 76.7 115.1#
121 0.0 24.5 36.7#

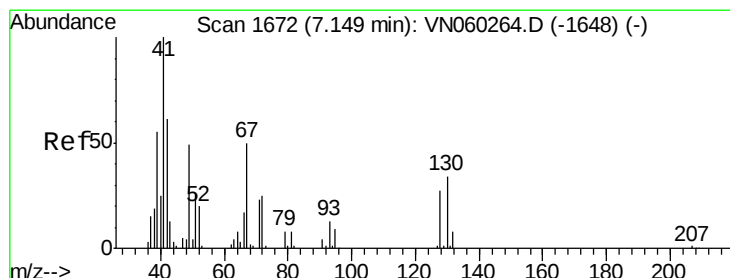
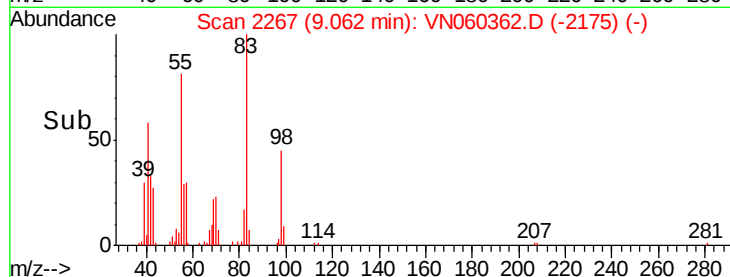
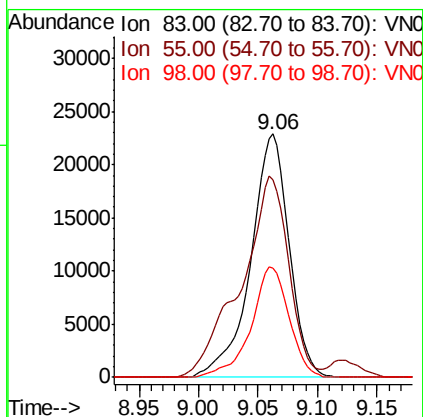
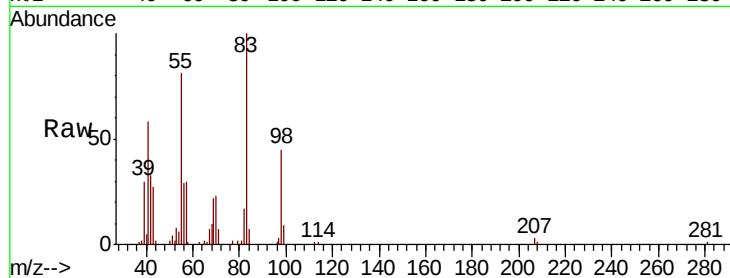




#39
Methylcyclohexane
Concen: 17.349 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

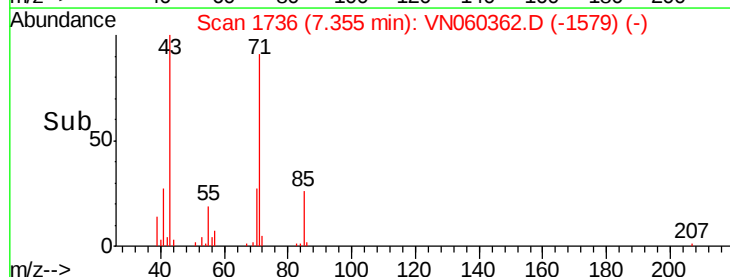
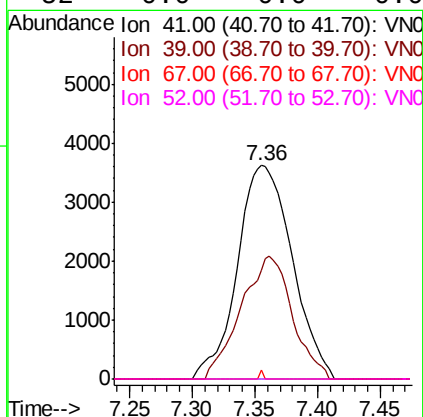
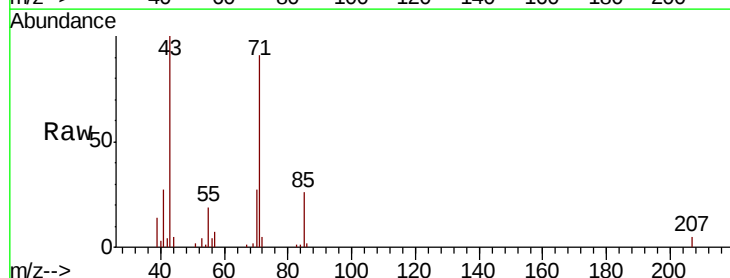
Instrument :
MSVOA_N
ClientSampleId :
40681-40683

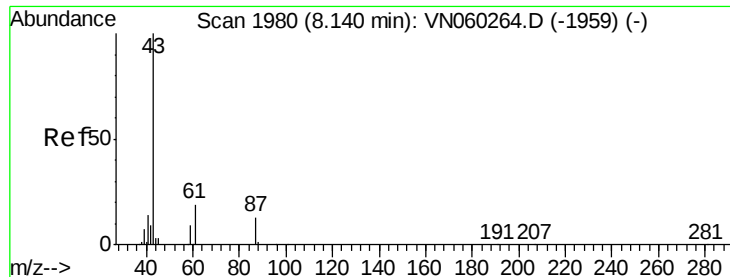
Tot Ion: 83 Resp: 51153
Ion Ratio Lower Upper
83 100
55 79.1 61.0 91.4
98 45.1 36.1 54.1



#41
Methacrylonitrile
Concen: 10.070 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.21 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Tgt Ion: 41 Resp: 11010
Ion Ratio Lower Upper
41 100
39 53.8 0.0 0.0#
67 0.3 0.0 0.0#
52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 17.065 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.02 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

40681-40683

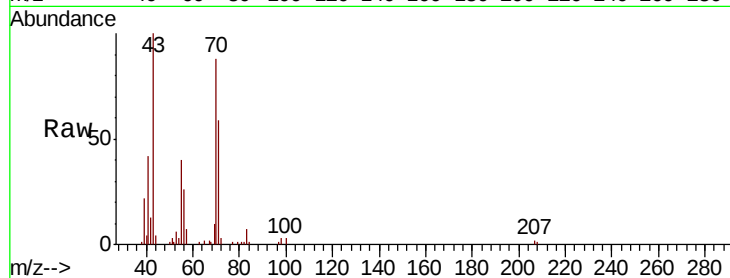
Tot Ion: 43 Resp: 70743

Ion Ratio Lower Upper

43 100

61 0.0 20.9 31.3#

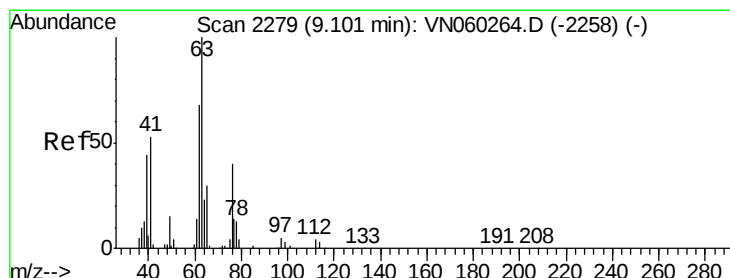
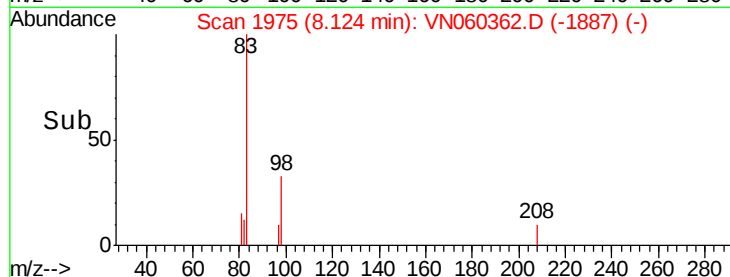
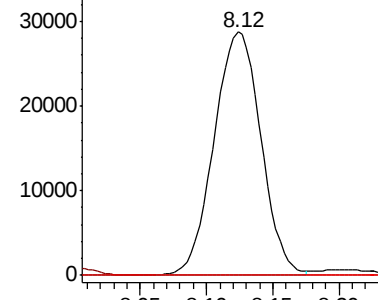
87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VN060362.D (-1975) (-)

Ion 61.00 (60.70 to 61.70): VN060362.D (-1975) (-)

Ion 87.00 (86.70 to 87.70): VN060362.D (-1975) (-)



#45

1,2-Dichloropropane

Concen: 0.213 ug/l

RT: 9.06 min Scan# 2266

Delta R.T. -0.04 min

Lab File: VN060362.D

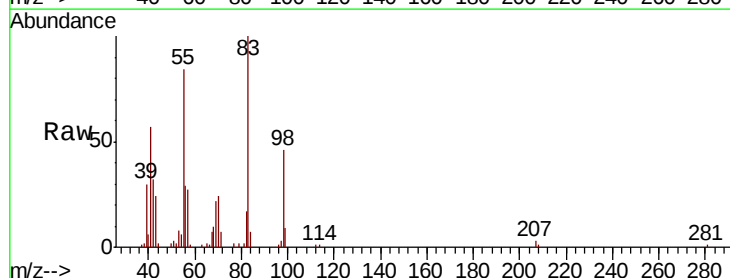
Acq: 5 Mar 2020 13:22

Tgt Ion: 63 Resp: 405

Ion Ratio Lower Upper

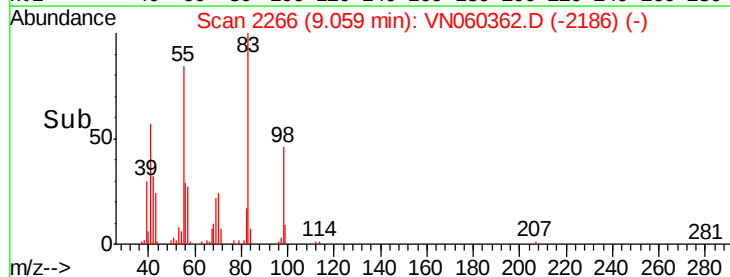
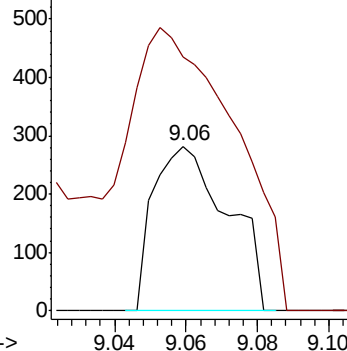
63 100

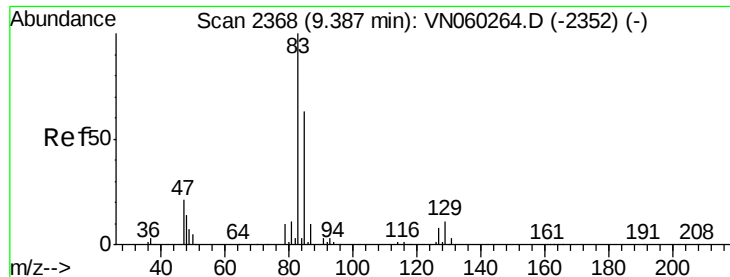
65 96.8 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060362.D (-2266) (-)

Ion 64.90 (64.60 to 65.60): VN060362.D (-2266) (-)





#47

Bromodichloromethane

Concen: 0.709 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. -0.14 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

40681-40683

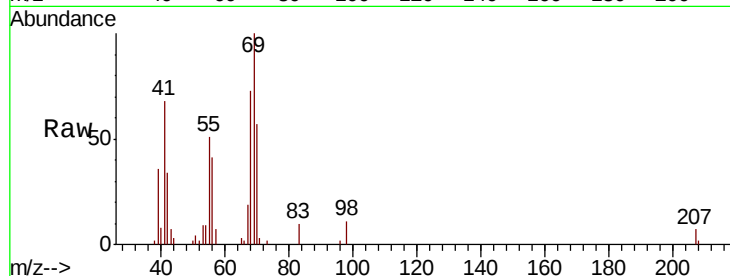
Tot Ion: 83 Resp: 1780

Ion Ratio Lower Upper

83 100

85 0.0 50.7 76.1#

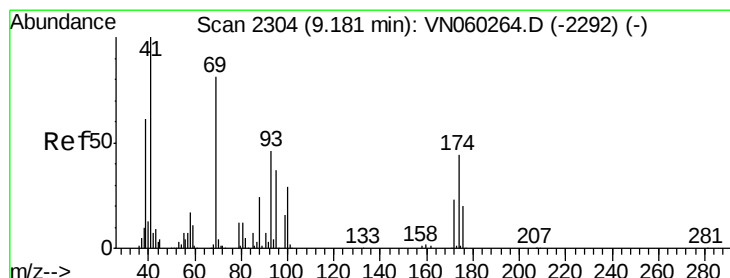
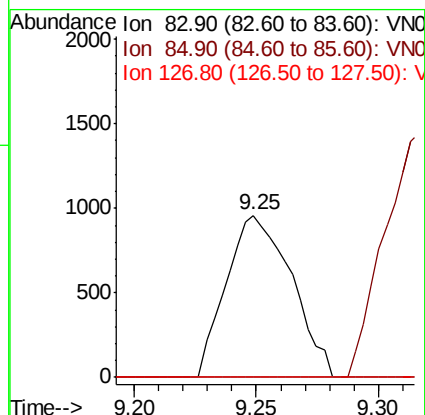
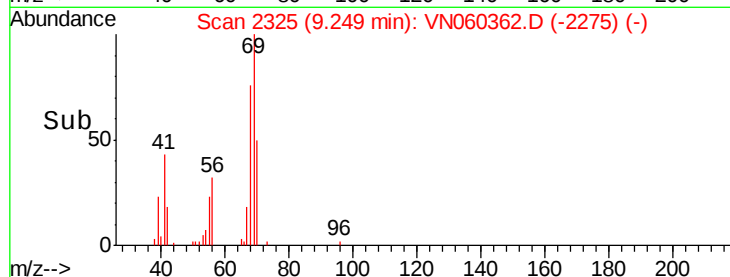
127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN060362.D (-2325) (-)

Ion 84.90 (84.60 to 85.60): VN060362.D (-2325) (-)

Ion 126.80 (126.50 to 127.50): VN060362.D (-2325) (-)



#48

Methyl methacrylate

Concen: 5.406 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. -0.06 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

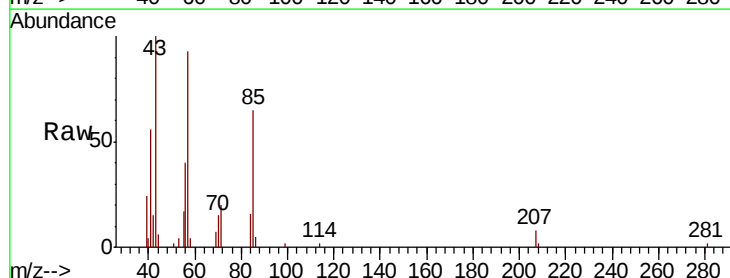
Tgt Ion: 41 Resp: 10219

Ion Ratio Lower Upper

41 100

69 11.7 66.7 100.1#

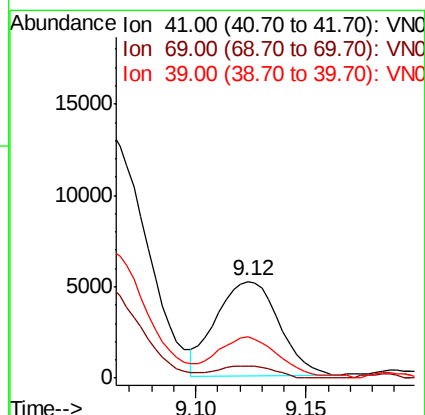
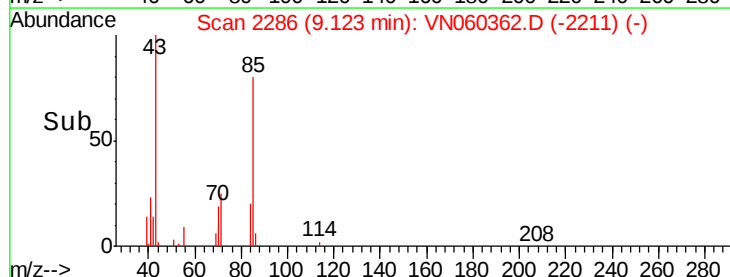
39 37.3 50.1 75.1#

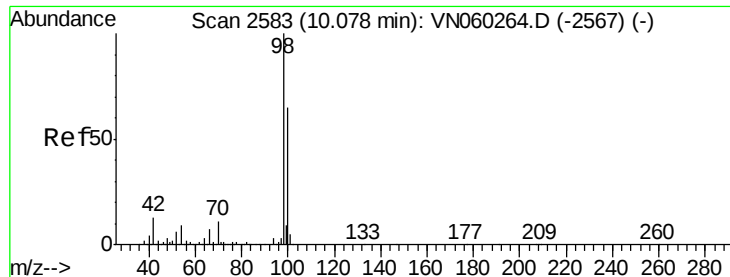


Abundance Ion 41.00 (40.70 to 41.70): VN060362.D (-2286) (-)

Ion 69.00 (68.70 to 69.70): VN060362.D (-2286) (-)

Ion 39.00 (38.70 to 39.70): VN060362.D (-2286) (-)





#50

Toluene-d8

Concen: 52.495 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

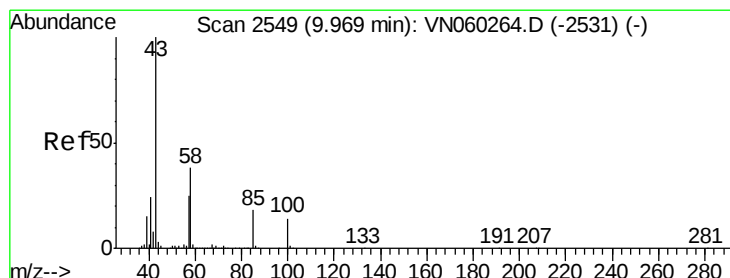
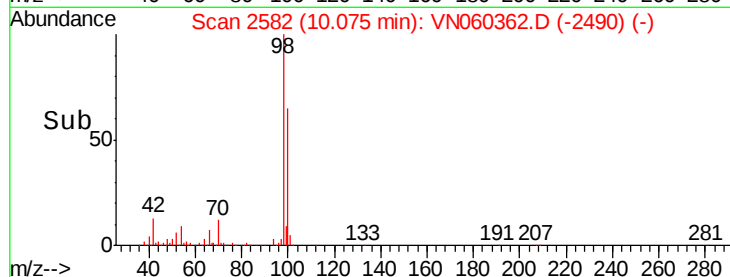
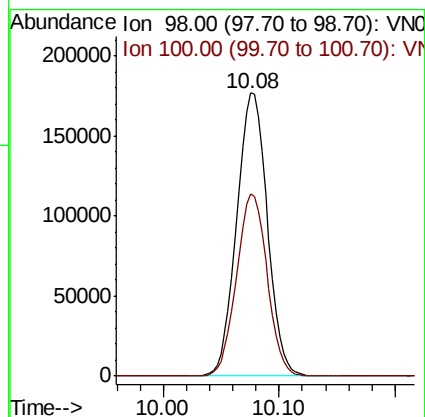
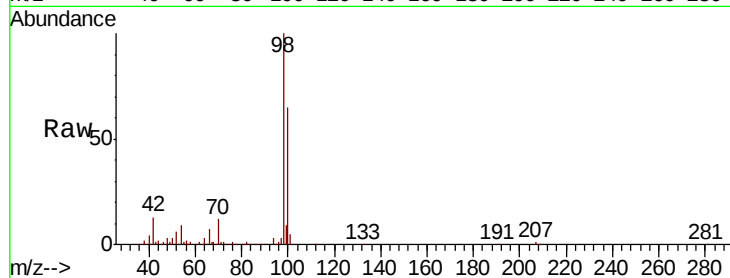
40681-40683

Tot Ion: 98 Resp: 323596

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 5.604 ug/l

RT: 9.85 min Scan# 2512

Delta R.T. -0.12 min

Lab File: VN060362.D

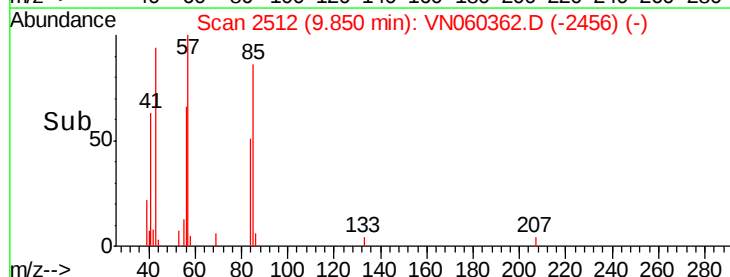
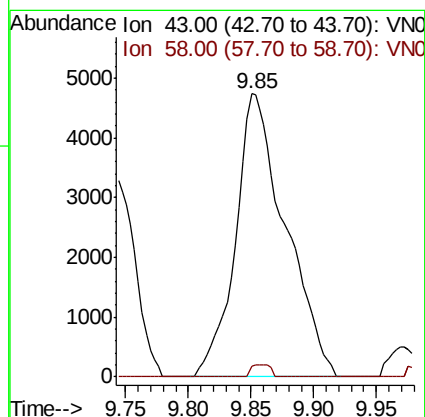
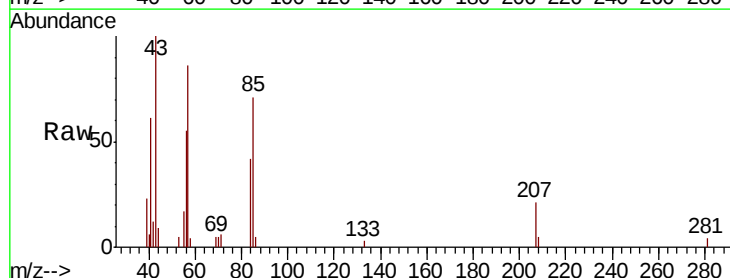
Acq: 5 Mar 2020 13:22

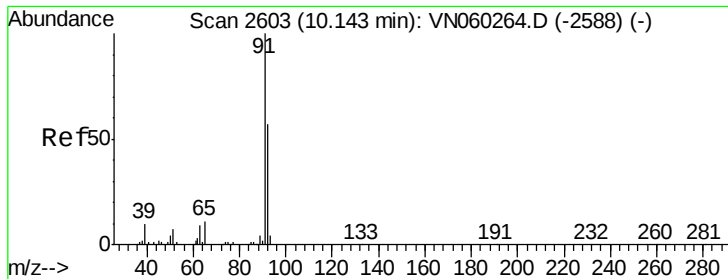
Tgt Ion: 43 Resp: 13171

Ion Ratio Lower Upper

43 100

58 1.7 30.9 46.3#





#52

Toluene

Concen: 886.993 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

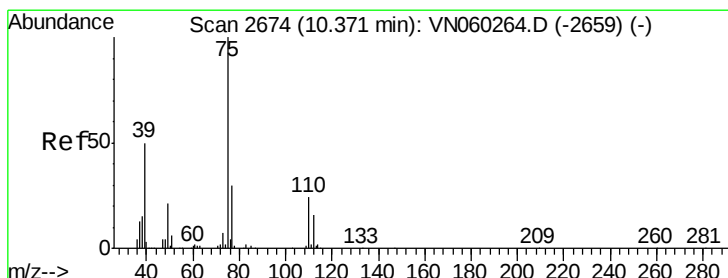
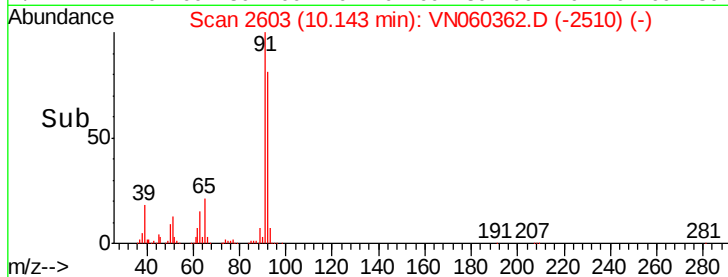
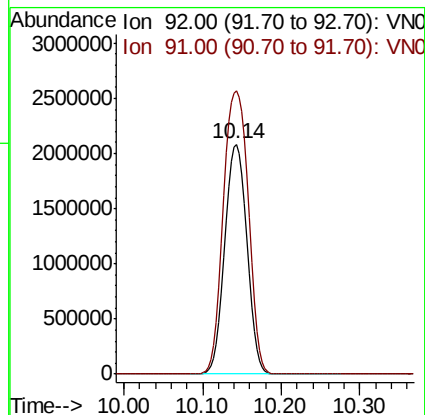
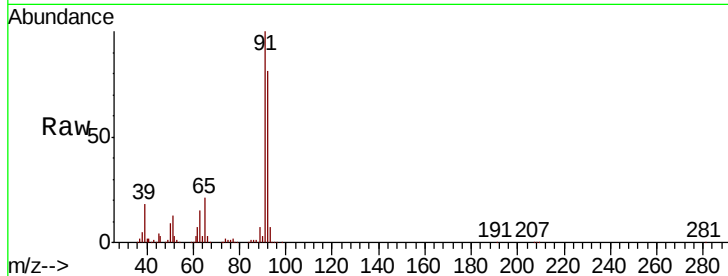
40681-40683

Tot Ion: 92 Resp: 4055502

Ion Ratio Lower Upper

92 100

91 139.1 138.1 207.1



#53

t-1,3-Dichloropropene

Concen: 17.758 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.23 min

Lab File: VN060362.D

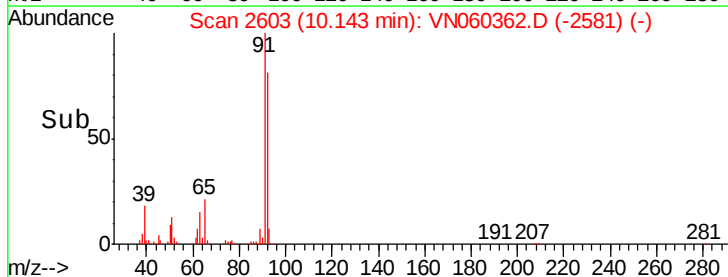
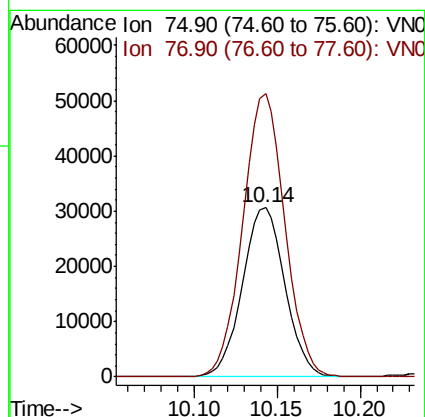
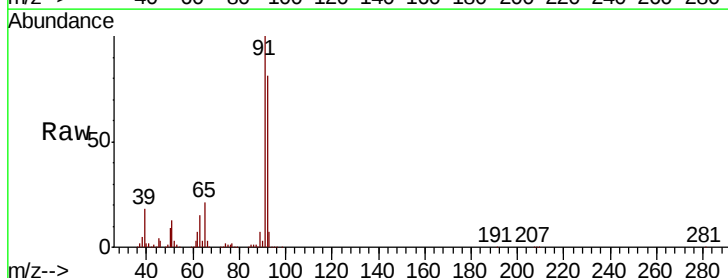
Acq: 5 Mar 2020 13:22

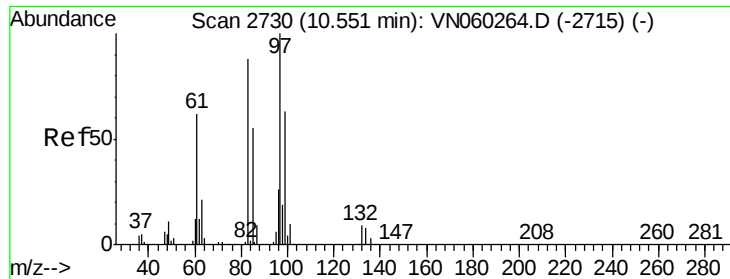
Tgt Ion: 75 Resp: 54646

Ion Ratio Lower Upper

75 100

77 167.2 24.8 37.2#

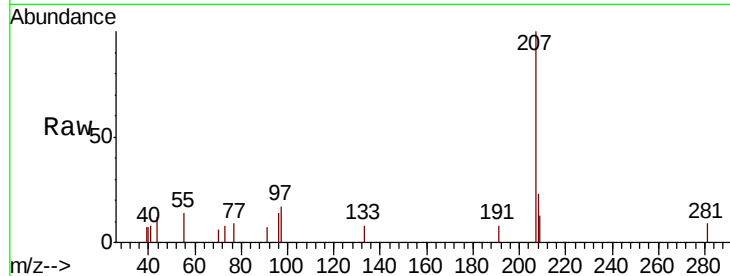




#55
 1,1,2-Trichloroethane
 Concen: 0.425 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. -0.04 min
 Lab File: VN060362.D
 Acq: 5 Mar 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 40681-40683

Tot Ion	Ratio	Lower	Upper
97	100		
83	0.0	70.0	105.0#
85	0.0	44.0	66.0#
99	0.0	50.4	75.6#



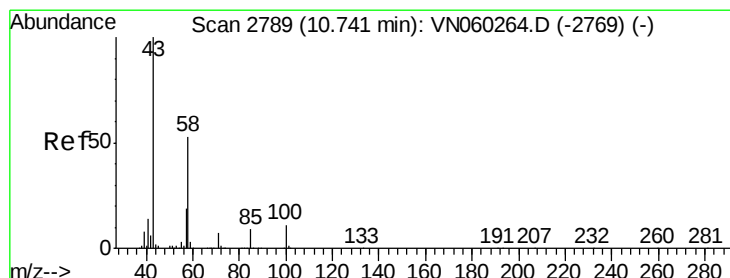
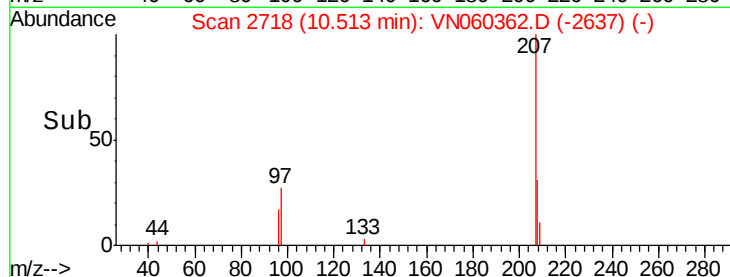
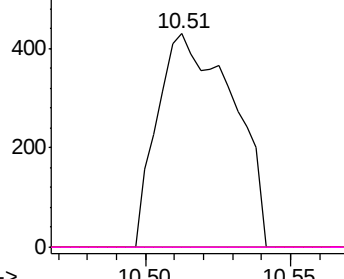
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

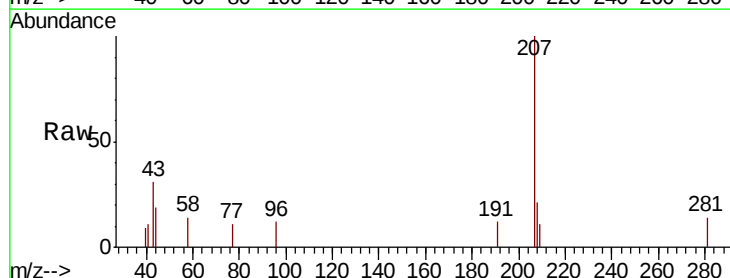
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#59
 2-Hexanone
 Concen: 0.571 ug/l
 RT: 10.74 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VN060362.D
 Acq: 5 Mar 2020 13:22

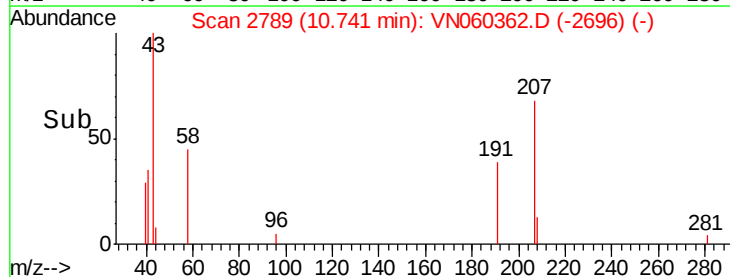
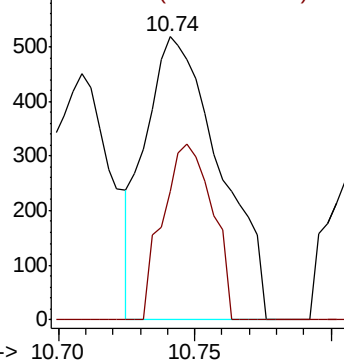
Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	26.5	79.5

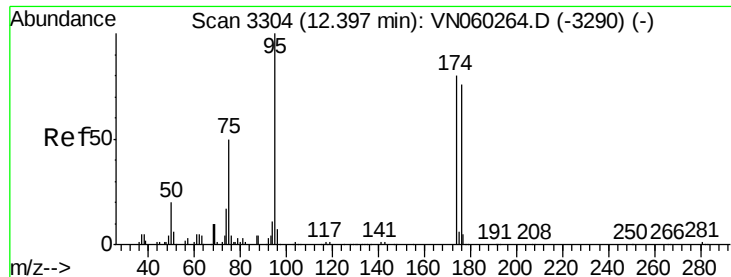


Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

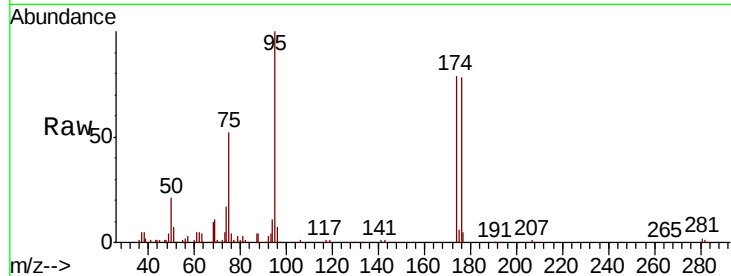




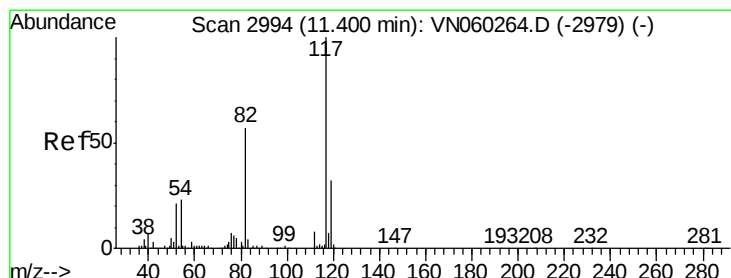
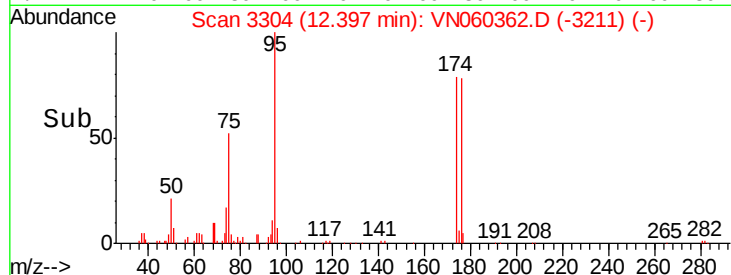
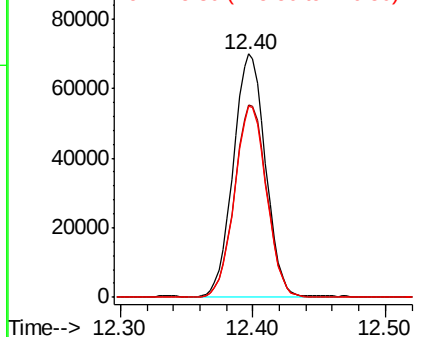
#62
4-Bromofluorobenzene
Concen: 50.101 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
40681-40683

Tot Ion: 95 Resp: 117071
Ion Ratio Lower Upper
95 100
174 79.9 0.0 159.2
176 78.5 0.0 153.8

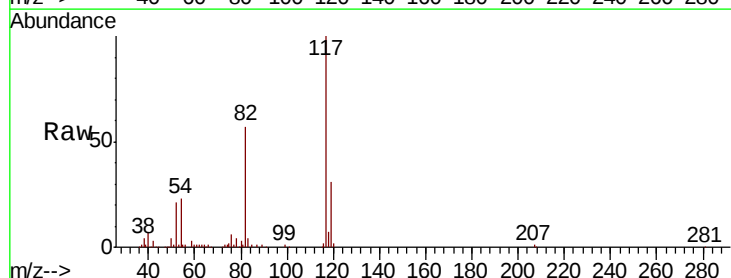


Abundance Ion 94.90 (94.60 to 95.60): VN060362.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN060362.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN060362.D (-3290) (-)

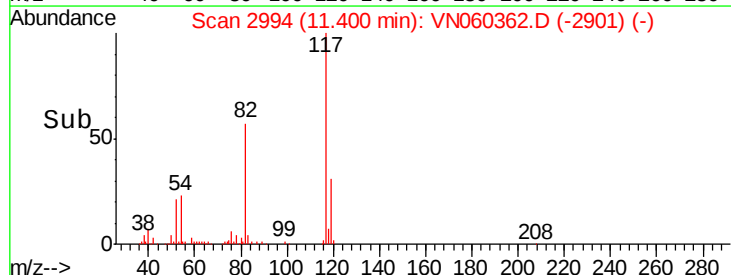
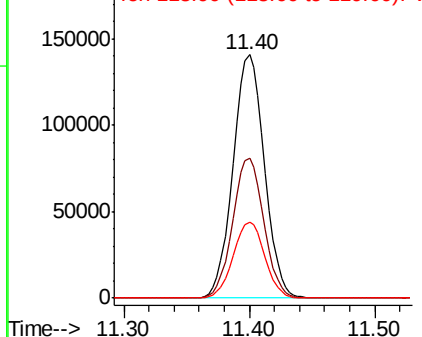


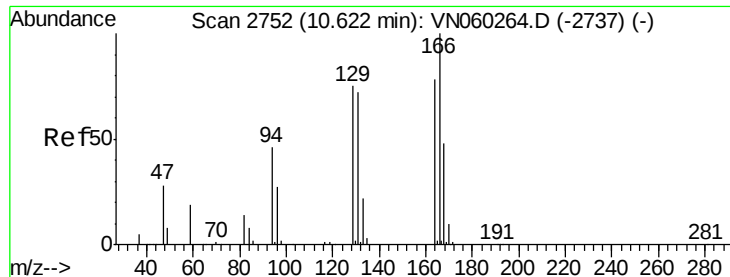
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Tgt Ion: 117 Resp: 244841
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.6
119 31.3 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VN060362.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN060362.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN060362.D (-2979) (-)

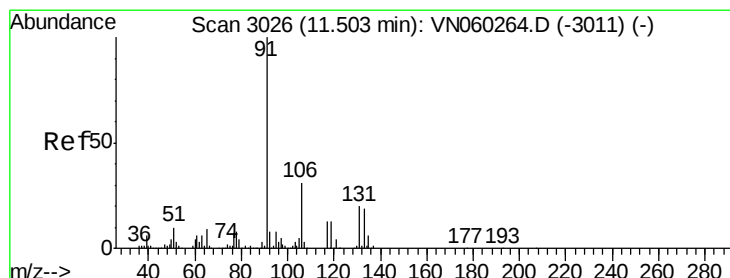
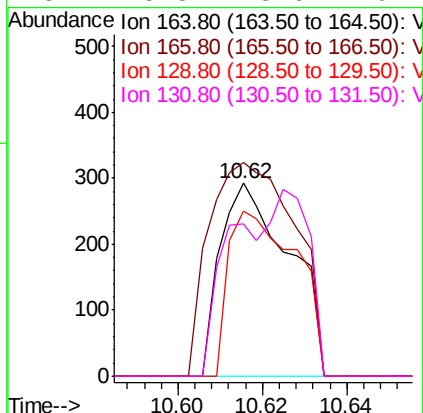
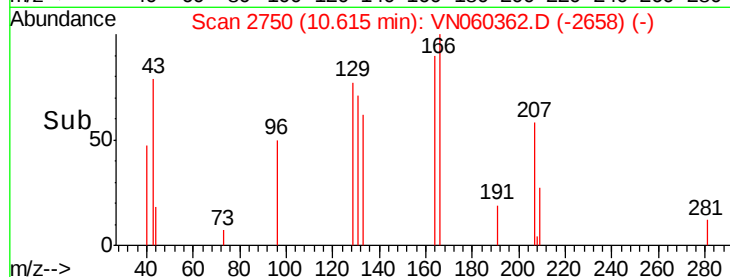
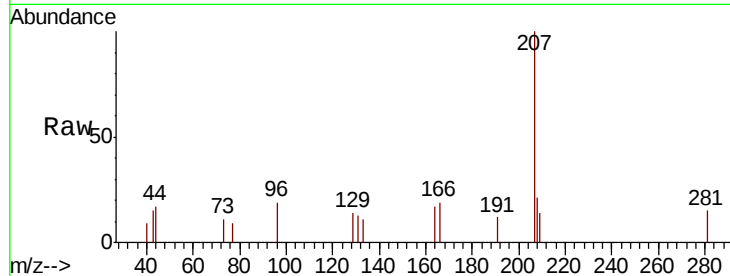




#64
Tetrachloroethene
Concen: Below Cal
RT: 10.62 min Scan# 2750
Delta R.T. -0.01 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

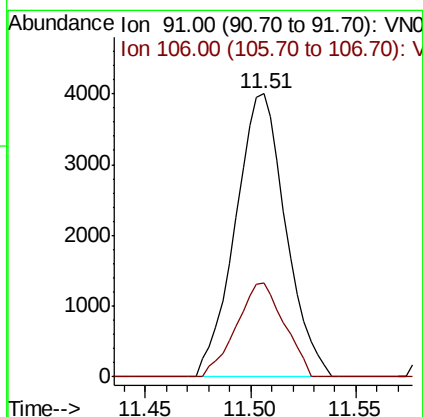
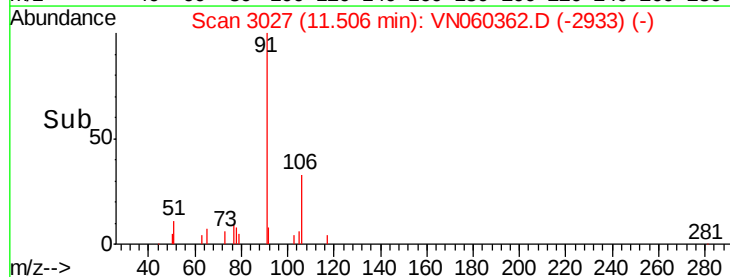
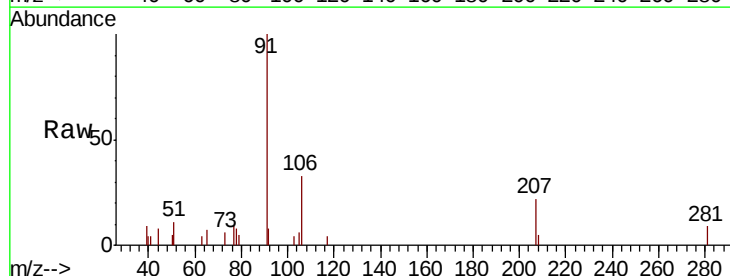
Instrument :
MSVOA_N
ClientSampleId :
40681-40683

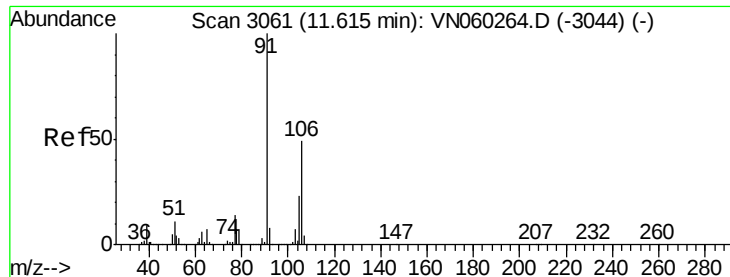
Tot Ion:164 Resp: 333
Ion Ratio Lower Upper
164 100
166 111.0 102.0 153.0
129 85.6 76.4 114.6
131 78.8 73.6 110.4



#67
Ethyl Benzene
Concen: 0.738 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Tgt Ion: 91 Resp: 6641
Ion Ratio Lower Upper
91 100
106 33.1 24.7 37.1





#68

m/p-Xylenes

Concen: 1.975 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

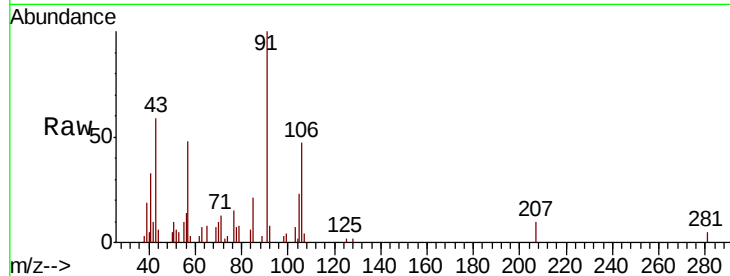
40681-40683

Tot Ion:106 Resp: 6709

Ion Ratio Lower Upper

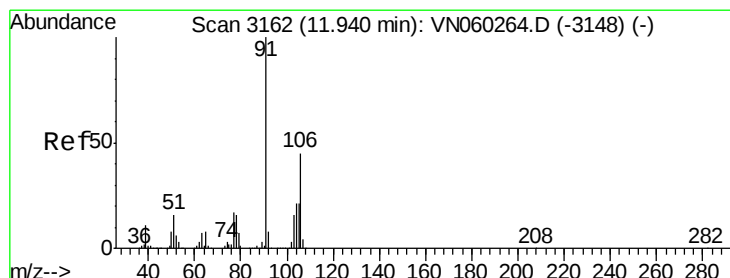
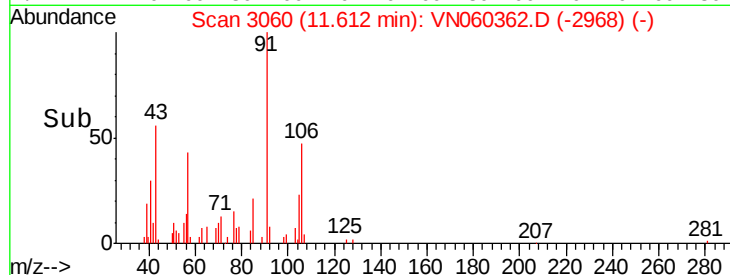
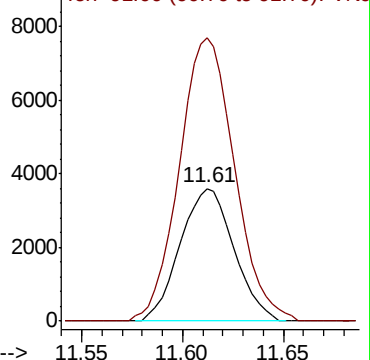
106 100

91 219.6 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 1.007 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060362.D

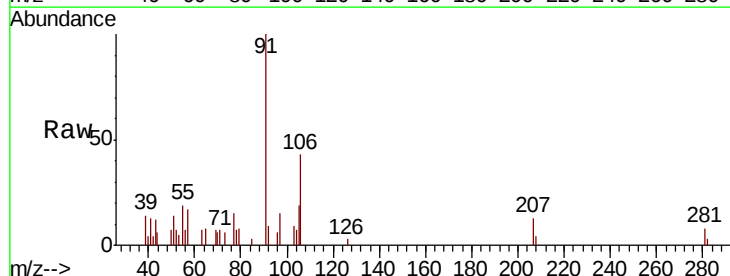
Acq: 5 Mar 2020 13:22

Tgt Ion:106 Resp: 3263

Ion Ratio Lower Upper

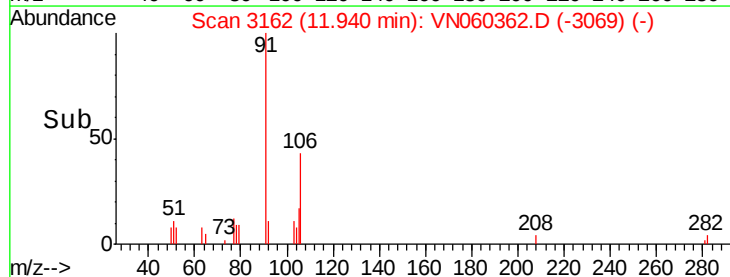
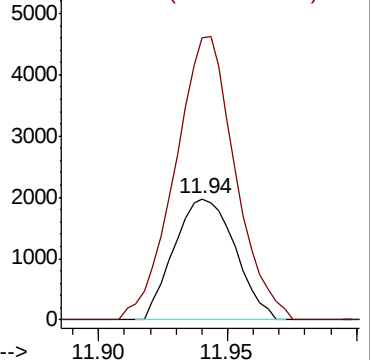
106 100

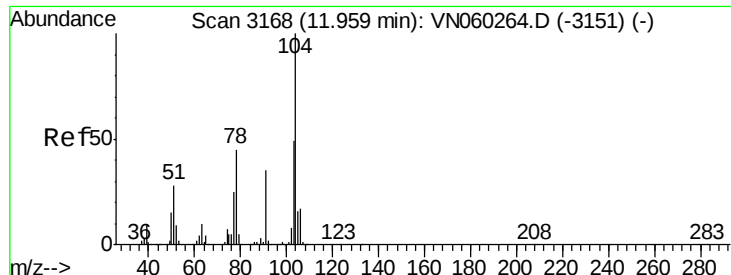
91 231.2 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#70

Stvrene

Concen: 0.329 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

40681-40683

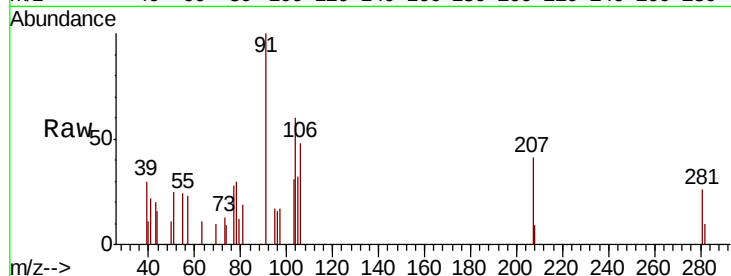
Tot Ion:104 Resp: 1751

Ion Ratio Lower Upper

104 100

78 68.8 41.2 61.8#

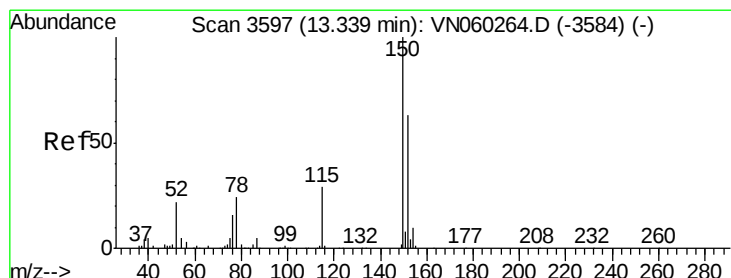
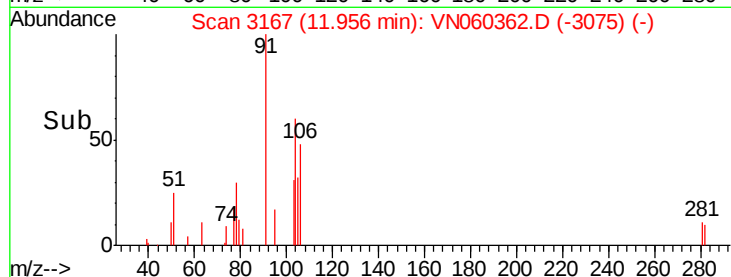
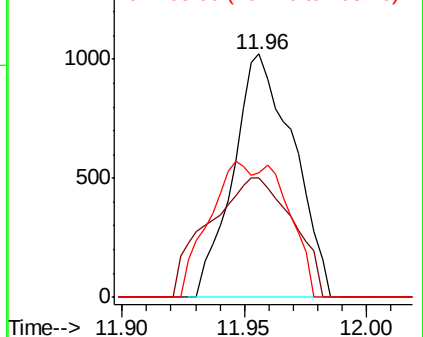
103 40.1 43.9 65.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): 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: VN060362.D

Acq: 5 Mar 2020 13:22

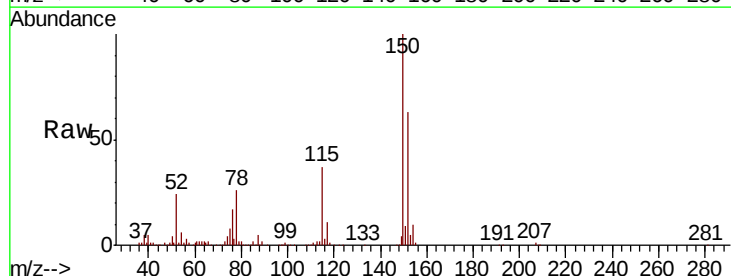
Tgt Ion:152 Resp: 117125

Ion Ratio Lower Upper

152 100

115 58.8 30.0 90.0

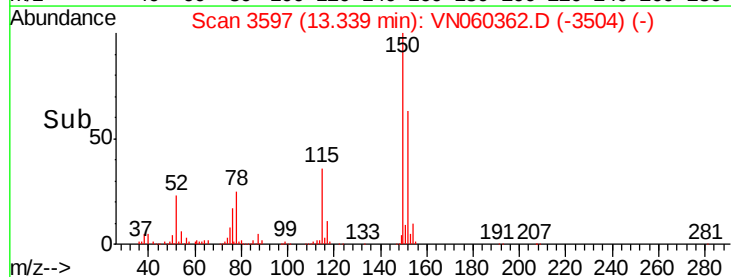
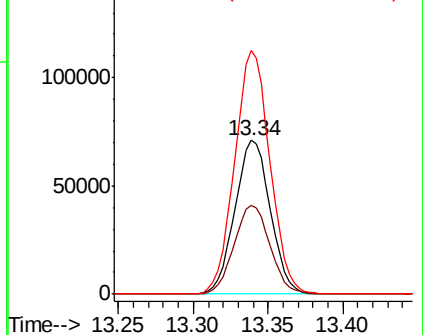
150 157.6 0.0 349.6

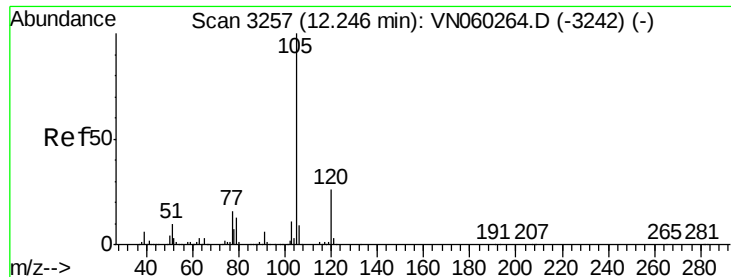


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.238 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

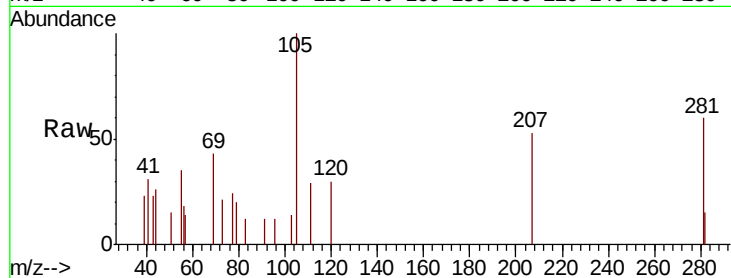
40681-40683

Tot Ion: 105 Resp: 2066

Ion Ratio Lower Upper

105 100

120 25.7 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

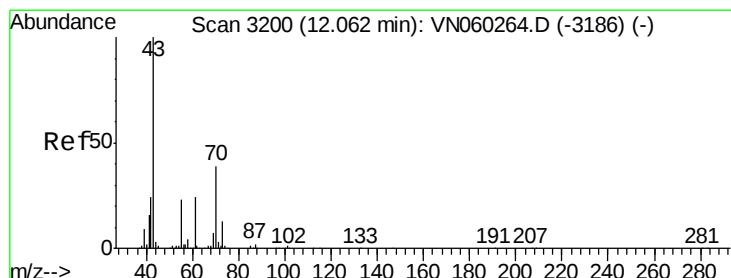
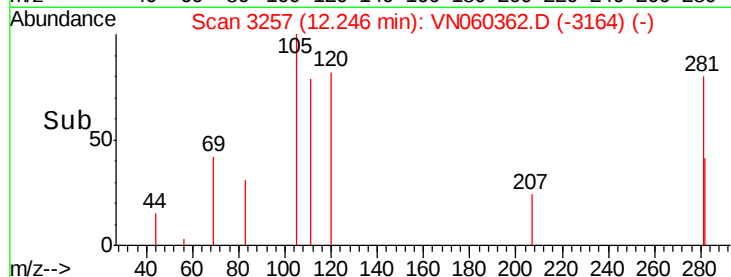
12.25

1000

500

0

Time-->



#74

N-ethyl acetate

Concen: 0.507 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.02 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Tgt Ion: 43 Resp: 1924

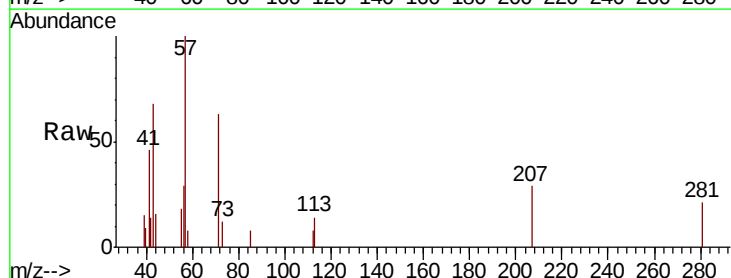
Ion Ratio Lower Upper

43 100

70 19.3 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 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

2000

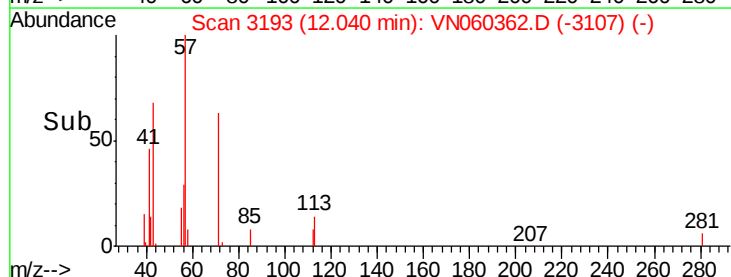
1500

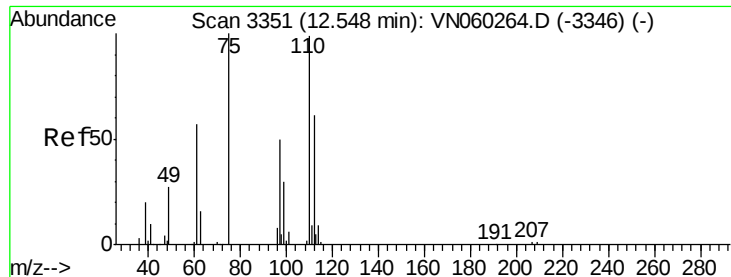
1000

500

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 23.790 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

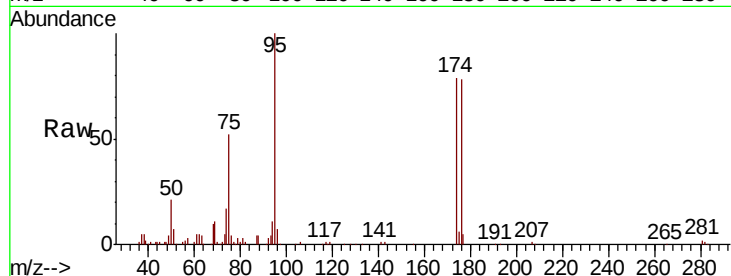
40681-40683

Tot Ion: 75 Resp: 61134

Ion Ratio Lower Upper

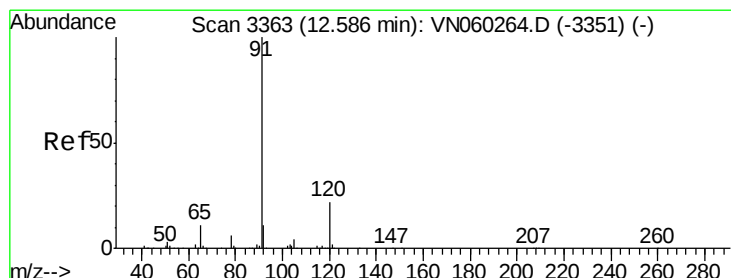
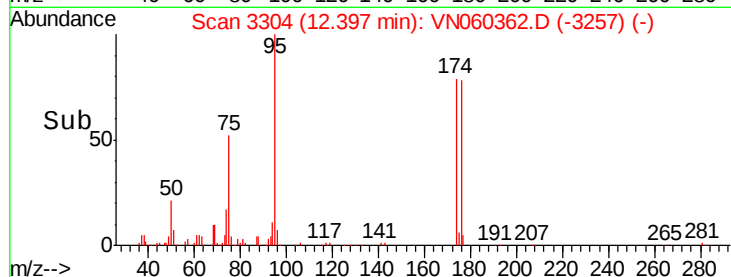
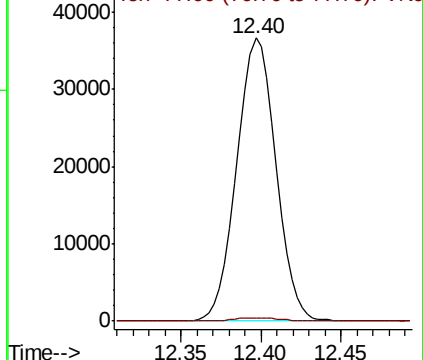
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.655 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060362.D

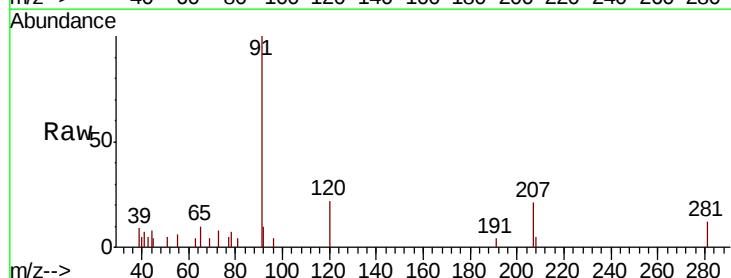
Acq: 5 Mar 2020 13:22

Tgt Ion: 91 Resp: 6664

Ion Ratio Lower Upper

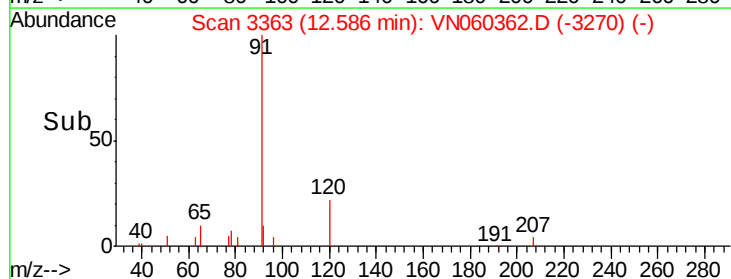
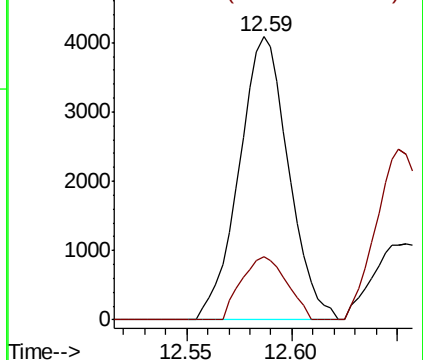
91 100

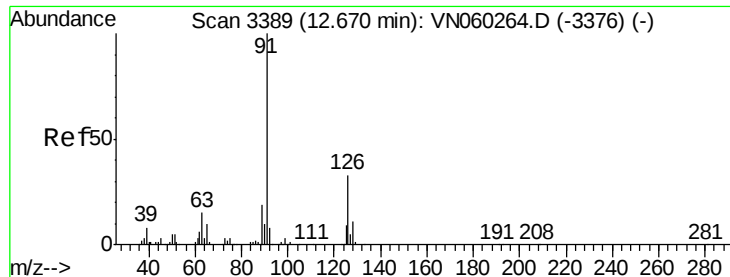
120 20.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

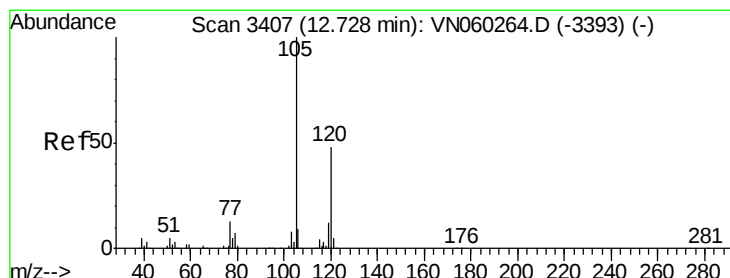
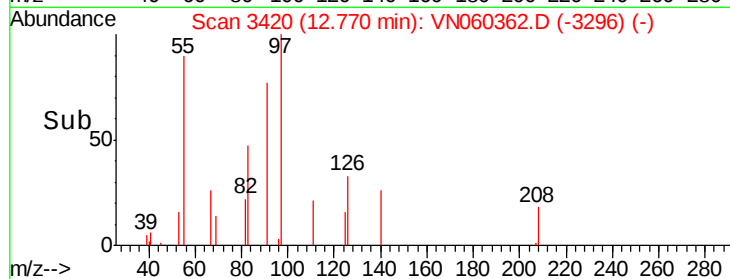
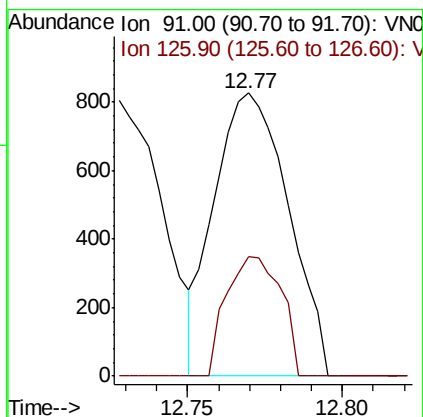
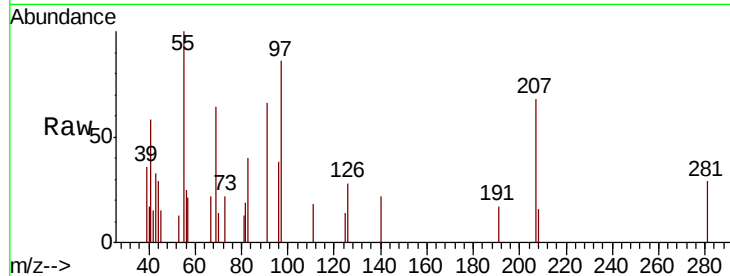




#79
 2-Chlorotoluene
 Concen: 0.230 ug/l
 RT: 12.77 min Scan# 3420
 Delta R.T. 0.10 min
 Lab File: VN060362.D
 Acq: 5 Mar 2020 13:22

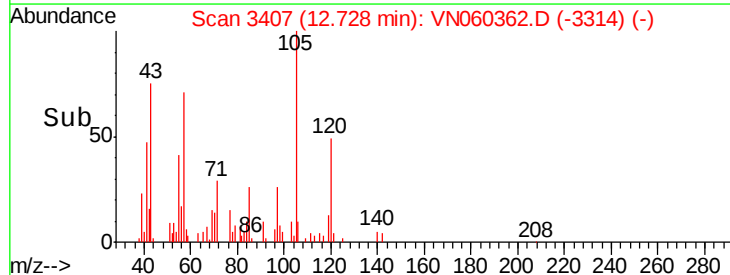
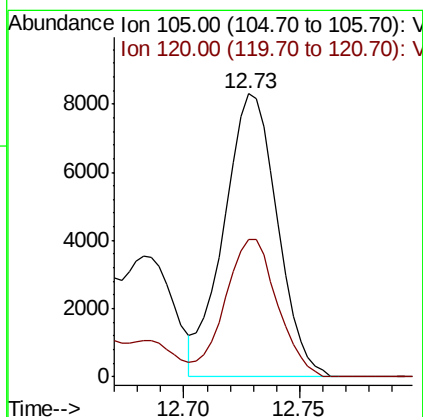
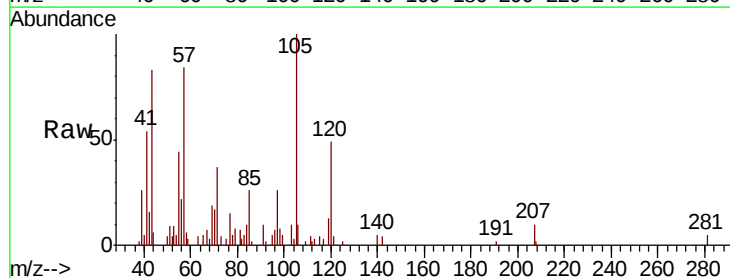
Instrument :
 MSVOA_N
 ClientSampled :
 40681-40683

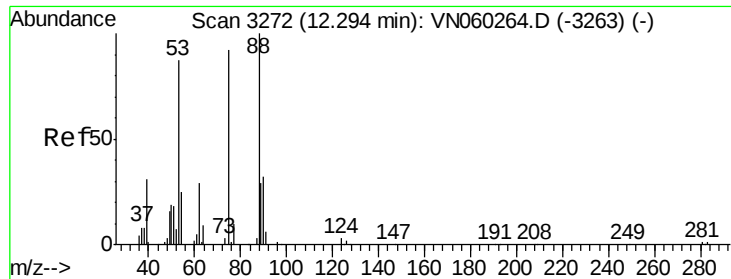
Tot Ion: 91 Resp: 1378
 Ion Ratio Lower Upper
 91 100
 126 31.1 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.818 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060362.D
 Acq: 5 Mar 2020 13:22

Tgt Ion: 105 Resp: 13286
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 65.672 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

40681-40683

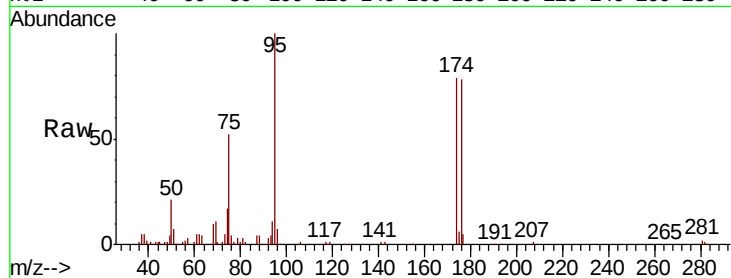
Tot Ion: 75 Resp: 61134

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

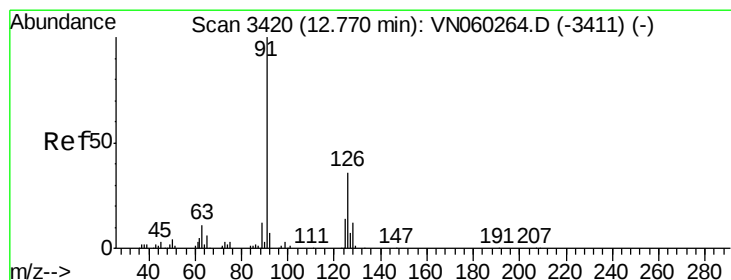
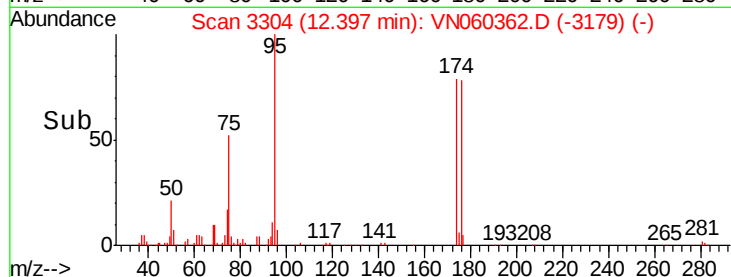
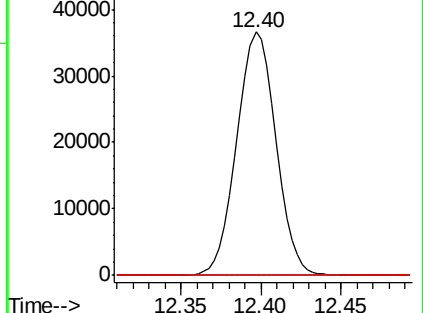
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.219 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060362.D

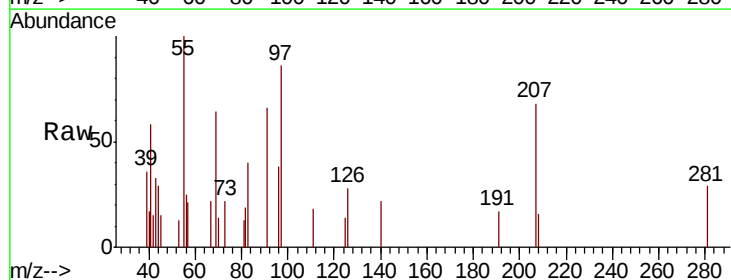
Acq: 5 Mar 2020 13:22

Tgt Ion: 91 Resp: 1378

Ion Ratio Lower Upper

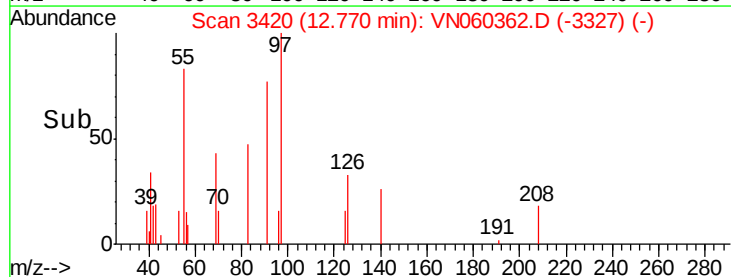
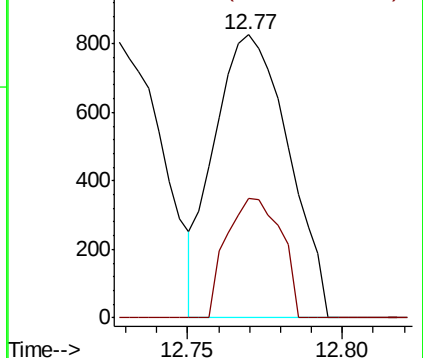
91 100

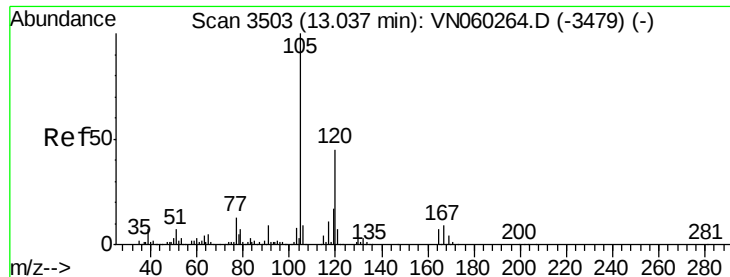
126 31.1 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 3.982 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

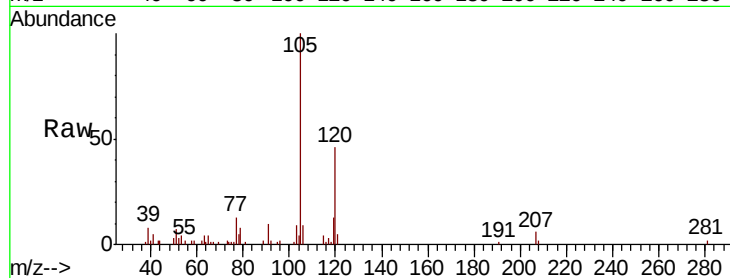
40681-40683

Tot Ion:105 Resp: 29378

Ion Ratio Lower Upper

105 100

120 45.7 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

20000

15000

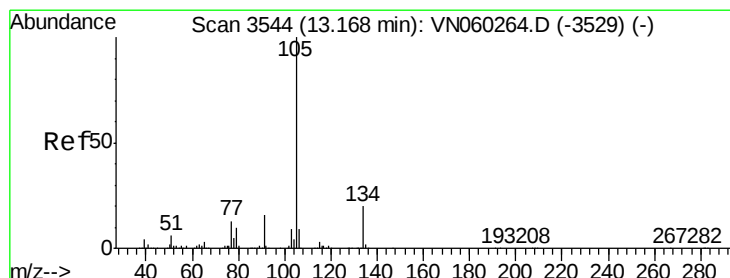
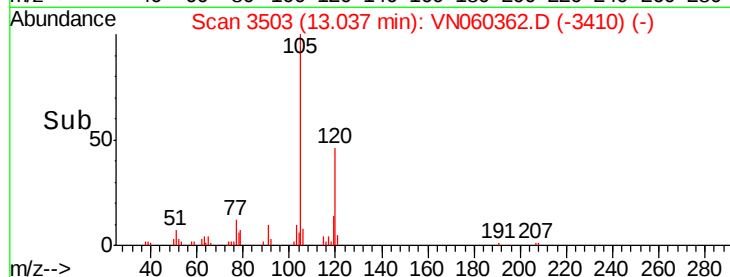
10000

5000

0

Time-->

13.00 13.05 13.10



#85

sec-Butylbenzene

Concen: 0.422 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060362.D

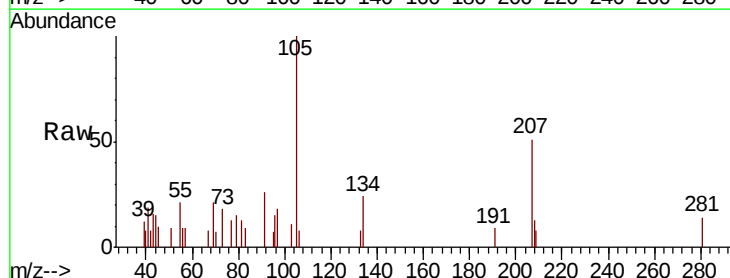
Acq: 5 Mar 2020 13:22

Tgt Ion:105 Resp: 3573

Ion Ratio Lower Upper

105 100

134 23.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

2500

2000

1500

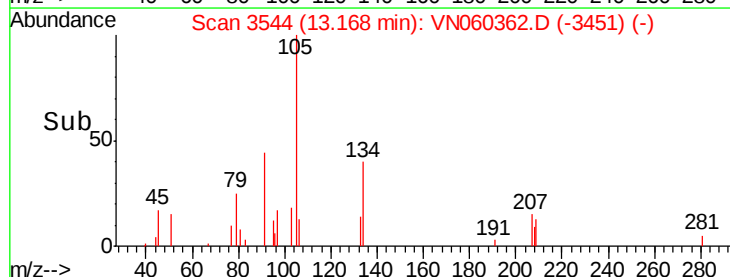
1000

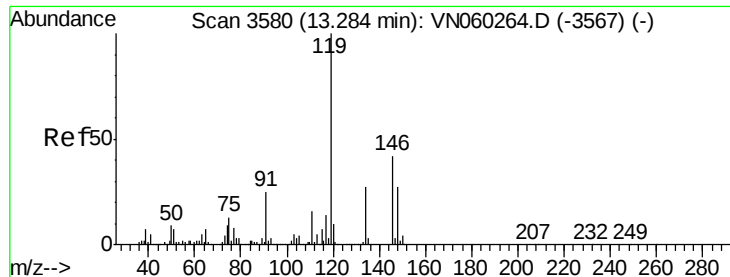
500

0

Time-->

13.15 13.20

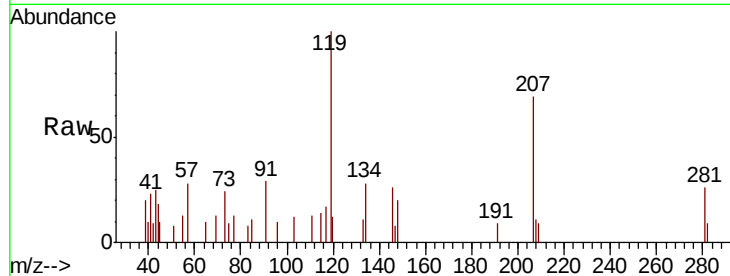




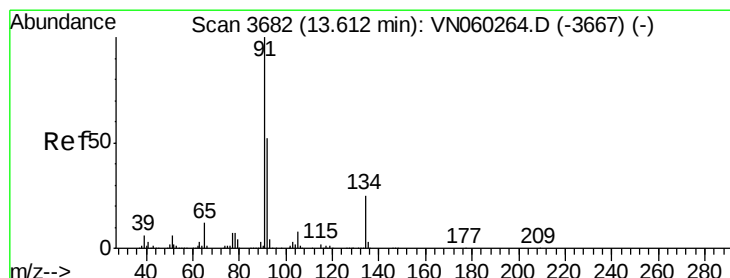
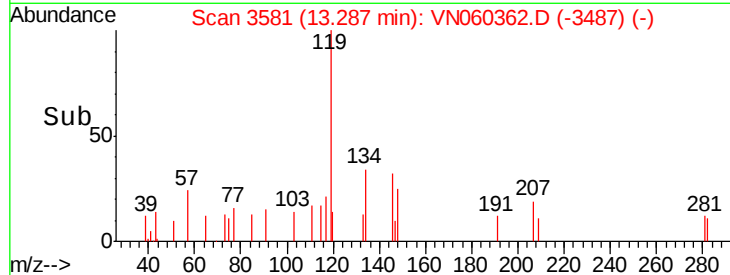
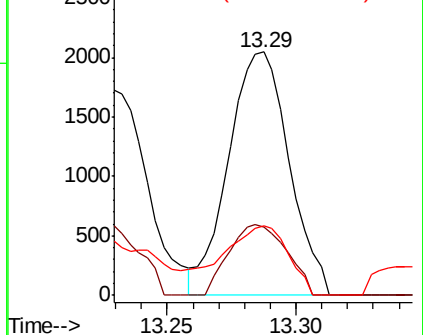
#86
p-Isopropyltoluene
Concen: 0.427 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
40681-40683

Tot Ion:119 Resp: 3347
Ion Ratio Lower Upper
119 100
134 27.7 13.2 39.6
91 29.6 12.2 36.6

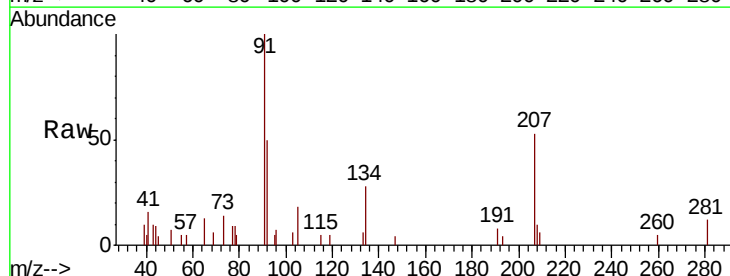


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

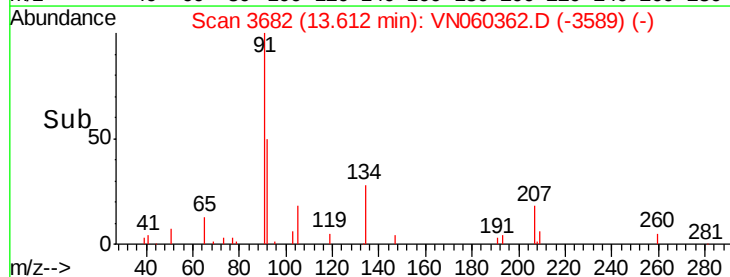
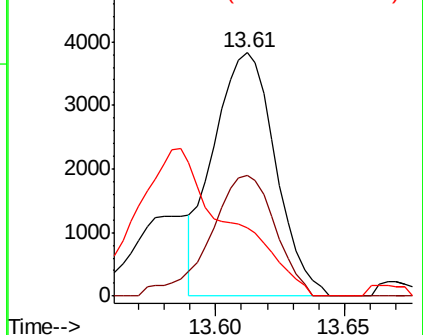


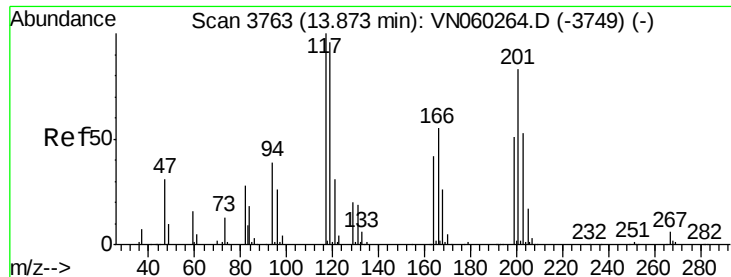
#89
n-Butylbenzene
Concen: 0.890 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Tgt Ion: 91 Resp: 6407
Ion Ratio Lower Upper
91 100
92 52.0 26.0 78.0
134 0.0 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.958 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

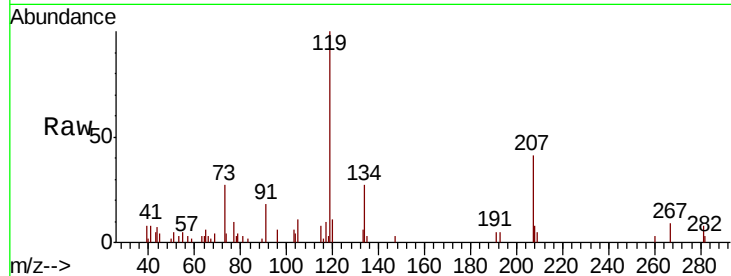
40681-40683

Tot Ion:117 Resp: 1088

Ion Ratio Lower Upper

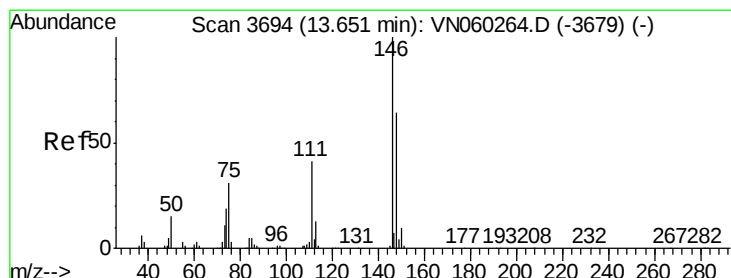
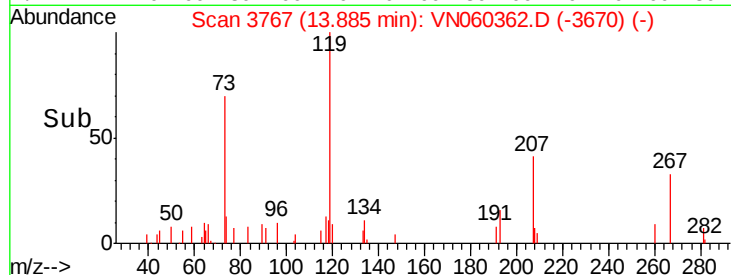
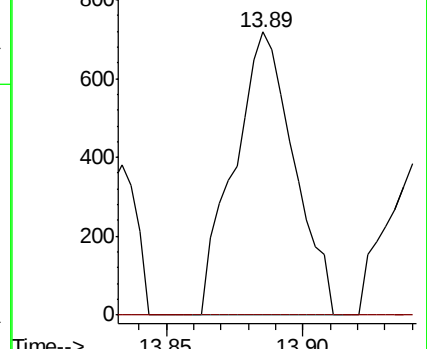
117 100

201 0.0 41.0 123.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.260 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

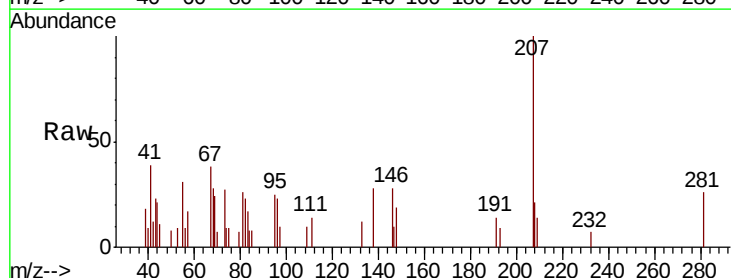
Tgt Ion:146 Resp: 970

Ion Ratio Lower Upper

146 100

111 44.3 20.3 61.0

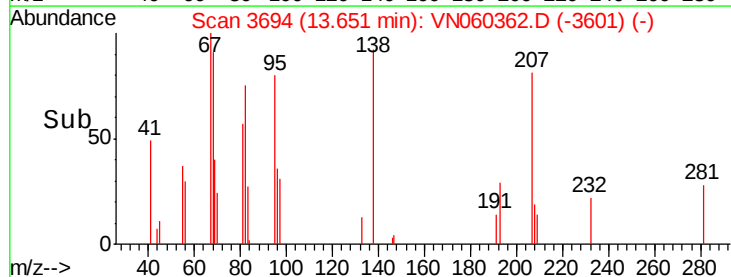
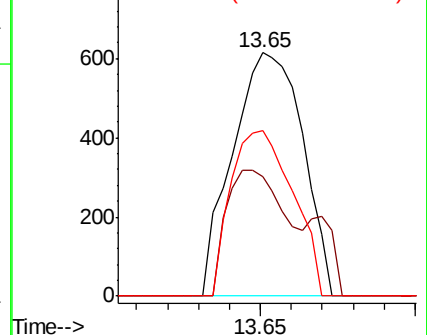
148 60.5 31.8 95.3

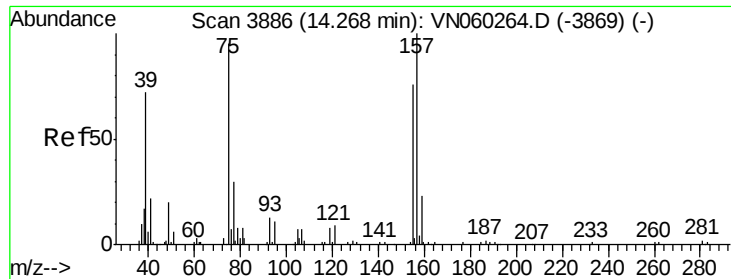


Abundance Ion 145.90 (145.60 to 146.60): V

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: 0.550 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

40681-40683

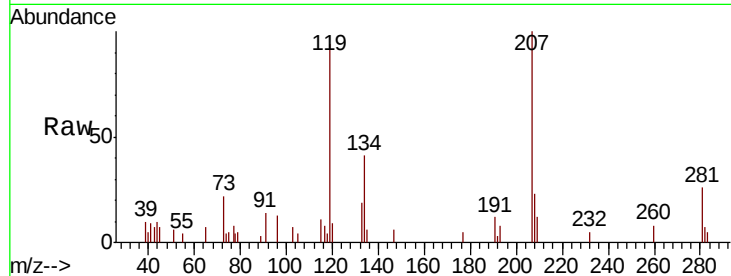
Tot Ion: 75 Resp: 294

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

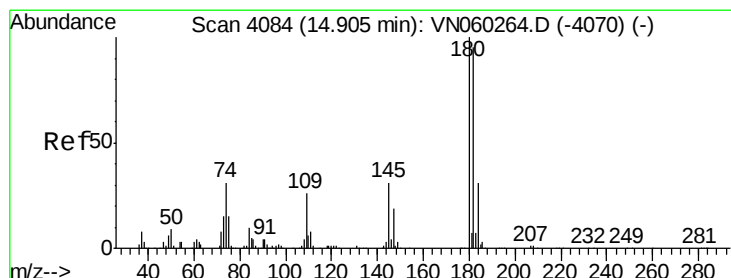
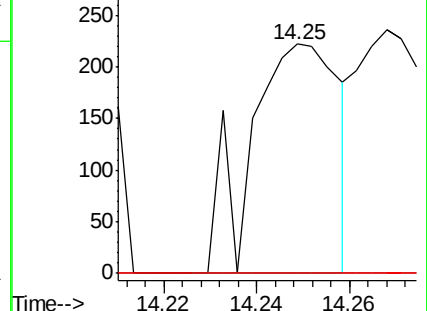
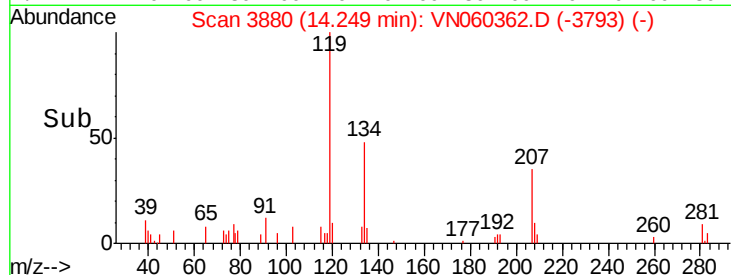
157 0.0 52.5 157.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060362.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN060362.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN060362.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.984 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.00 min

Lab File: VN060362.D

Acq: 5 Mar 2020 13:22

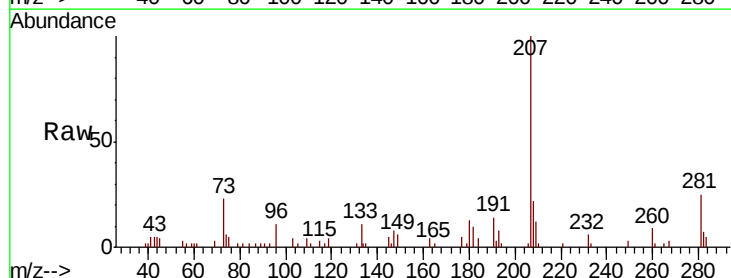
Tgt Ion: 180 Resp: 2125

Ion Ratio Lower Upper

180 100

182 94.8 47.8 143.3

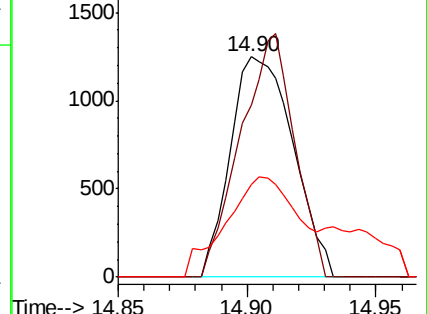
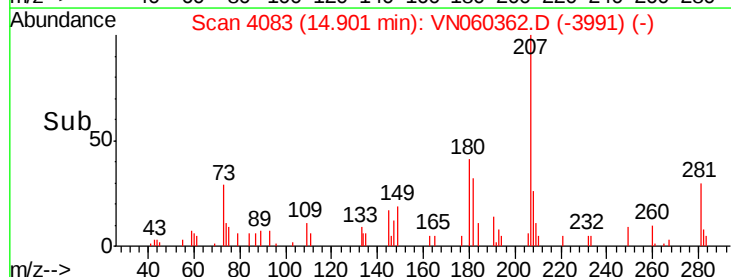
145 52.2 15.4 46.1#

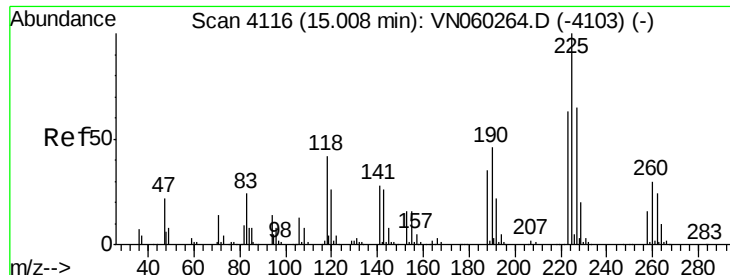


Abundance Ion 179.80 (179.50 to 180.50): VN060362.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN060362.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN060362.D (-3991) (-)

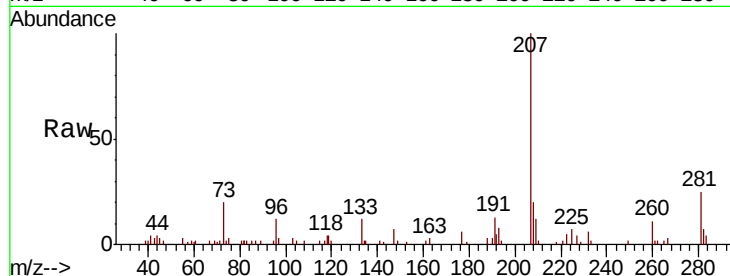




#94
Hexachlorobutadiene
Concen: 0.597 ug/l
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
40681-40683

Tot Ion	Ratio	Lower	Upper
225	100		
223	69.4	31.3	93.9
227	59.8	32.3	96.9

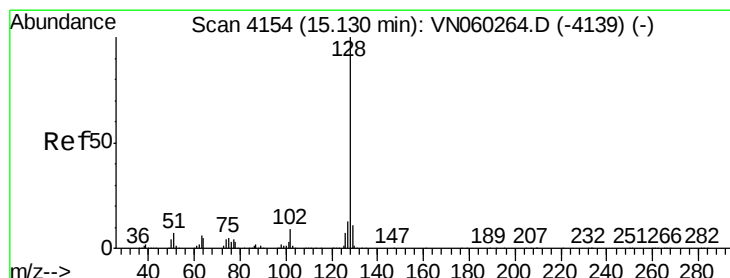
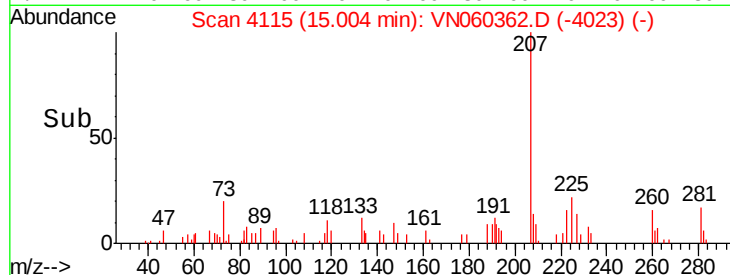
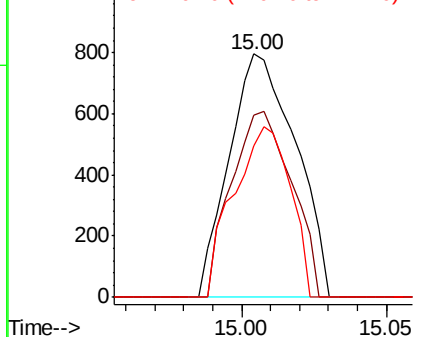


Abundance

Ion 224.70 (224.40 to 225.40): V

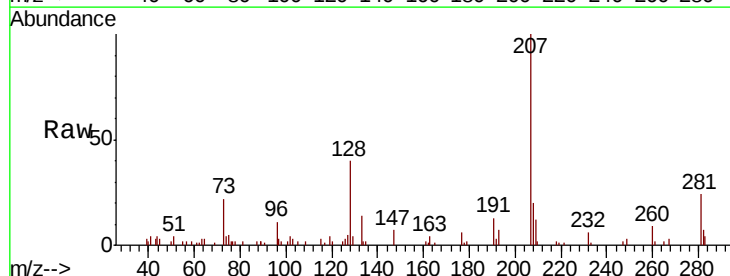
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95
Naphthalene
Concen: 0.959 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060362.D
Acq: 5 Mar 2020 13:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.0	10.4	15.6#
129	10.0	8.6	13.0

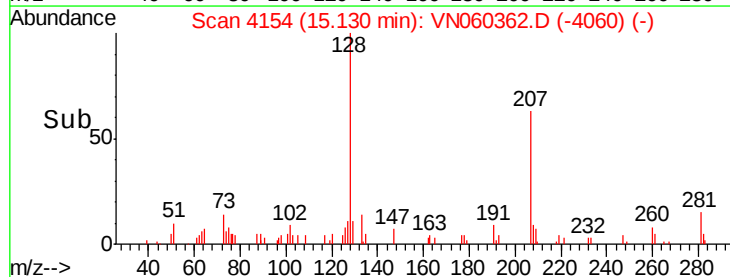
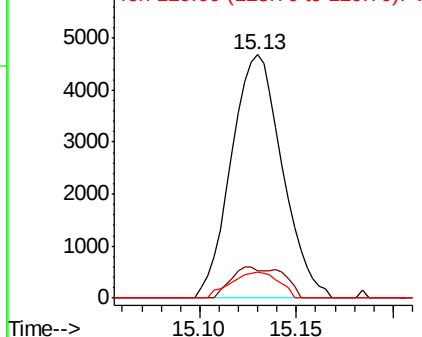


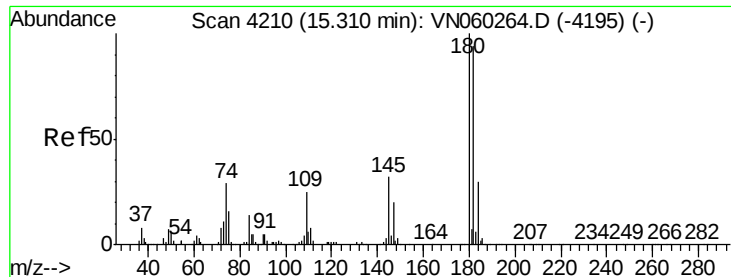
Abundance

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

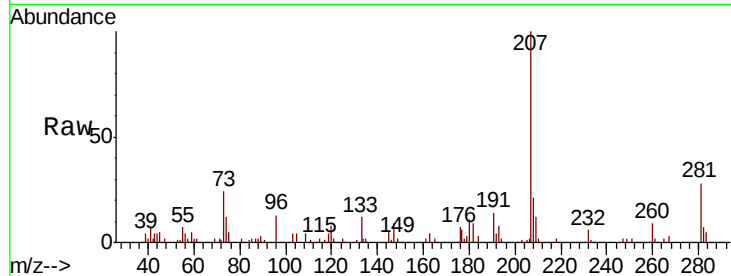




#96
 1,2,3-Trichlorobenzene
 Concen: 0.814 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060362.D
 Acq: 5 Mar 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 40681-40683

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.2	47.3	142.0
145	74.4	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

