

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060274.D
 Acq On : 28 Feb 2020 11:05
 Operator : JC/MD
 Sample : VN0228WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 29 00:33:58 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	218912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	352375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	323617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	134473	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	7.56	113	92337	56.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.90%	
50) Toluene-d8	10.08	98	397612	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
62) 4-Bromofluorobenzene	12.40	95	148409	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37543	18.705	ug/l	97
3) Chloromethane	2.04	50	59263	16.959	ug/l	97
4) Vinyl Chloride	2.16	62	51298	17.117	ug/l	100
5) Bromomethane	2.55	94	21237	15.969	ug/l	97
6) Chloroethane	2.68	64	28187	17.360	ug/l	98
7) Trichlorofluoromethane	3.00	101	68616	17.921	ug/l	99
8) Diethyl Ether	3.38	74	26126	18.072	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	40283	18.590	ug/l	99
10) Methyl Iodide	3.93	142	36476	18.444	ug/l	99
11) Tert butyl alcohol	4.72	59	36951	88.601	ug/l	99
12) 1,1-Dichloroethene	3.71	96	39942	18.944	ug/l	97
13) Acrolein	3.57	56	35074	90.148	ug/l	98
14) Allyl chloride	4.29	41	65627	16.924	ug/l	91
15) Acrylonitrile	4.94	53	96571	87.850	ug/l	99
16) Acetone	3.78	43	73581	81.125	ug/l	98
17) Carbon Disulfide	4.03	76	104680	18.309	ug/l	99
18) Methyl Acetate	4.29	43	50170	16.575	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	138850	18.184	ug/l	99
20) Methylene Chloride	4.52	84	43670	17.532	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	40915	17.833	ug/l	96
22) Diisopropyl ether	5.91	45	142947	18.199	ug/l	94
23) Vinyl Acetate	5.86	43	574322	92.015	ug/l	100
24) 1,1-Dichloroethane	5.81	63	80861	18.186	ug/l	98
25) 2-Butanone	6.80	43	124143	84.738	ug/l	100
26) 2,2-Dichloropropane	6.79	77	74541	18.415	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	49318	17.075	ug/l	99
28) Bromochloromethane	7.17	49	32036	17.549	ug/l	100
29) Tetrahydrofuran	7.18	42	86855	85.256	ug/l	99
30) Chloroform	7.35	83	79619	17.988	ug/l	97
31) Cyclohexane	7.63	56	73524	18.534	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	71956	18.348	ug/l	100
36) 1,1-Dichloropropene	7.77	75	60147	17.910	ug/l	100
37) Ethyl Acetate	6.89	43	56106	17.644	ug/l	98
38) Carbon Tetrachloride	7.75	117	59635	18.239	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	71982	18.179	ug/l	99
40) Benzene	8.02	78	175511	17.956	ug/l	99
41) Methacrylonitrile	7.13	41	20935	14.258	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	64302	18.230	ug/l	100
43) Isopropyl Acetate	8.14	43	99367	17.849	ug/l	99
44) Trichloroethene	8.81	130	49190	18.069	ug/l	97
45) 1,2-Dichloropropane	9.10	63	47919	18.751	ug/l	97
46) Dibromomethane	9.19	93	29648	17.879	ug/l	97
47) Bromodichloromethane	9.38	83	62057	18.400	ug/l	99
48) Methyl methacrylate	9.18	41	42719	16.828	ug/l	98
49) 1,4-Dioxane	9.18	88	13123	367.595	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	277599	87.949	ug/l	99
52) Toluene	10.14	92	110119	17.935	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	72784	17.613	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	77648	18.133	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	44314	17.947	ug/l	99
56) Ethyl methacrylate	10.42	69	63027	17.767	ug/l	97
57) 1,3-Dichloropropane	10.70	76	74247	18.438	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	167585	90.329	ug/l	100
59) 2-Hexanone	10.74	43	199436	86.057	ug/l	99
60) Dibromochloromethane	10.89	129	45123	17.970	ug/l	100
61) 1,2-Dibromoethane	10.99	107	42430	17.628	ug/l	100
64) Tetrachloroethene	10.62	164	51854	19.488	ug/l	98
65) Chlorobenzene	11.43	112	116101	17.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	43734	18.101	ug/l	99
67) Ethyl Benzene	11.50	91	217162	18.249	ug/l	98
68) m/p-Xylenes	11.61	106	161794	36.036	ug/l	100
69) o-Xylene	11.94	106	78005	18.219	ug/l	99
70) Styrene	11.96	104	123684	17.571	ug/l	99
71) Bromoform	12.12	173	30435	17.478	ug/l #	98
73) Isopropylbenzene	12.24	105	208761	18.009	ug/l	98
74) N-amyl acetate	12.06	43	85588	16.896	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56088	17.800	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	81958	23.884	ug/l #	100
77) Bromobenzene	12.52	156	50741	17.857	ug/l	97
78) n-propylbenzene	12.59	91	244299	17.979	ug/l	99
79) 2-Chlorotoluene	12.67	91	142992	17.902	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	178430	18.281	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21524	17.315	ug/l	92
82) 4-Chlorotoluene	12.77	91	148682	17.668	ug/l	99
83) tert-Butylbenzene	12.99	119	153884	18.210	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	177557	18.023	ug/l	99
85) sec-Butylbenzene	13.17	105	206264	18.228	ug/l	99
86) p-Isopropyltoluene	13.28	119	185489	17.710	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	90954	18.508	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	91081	18.543	ug/l	99
89) n-Butylbenzene	13.61	91	170653	17.749	ug/l	99
90) Hexachloroethane	13.87	117	27242	17.969	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	89223	17.919	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11866	16.629	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58785	18.636	ug/l	99
94) Hexachlorobutadiene	15.00	225	28994	19.588	ug/l	97
95) Naphthalene	15.13	128	163971	17.418	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56027	18.689	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

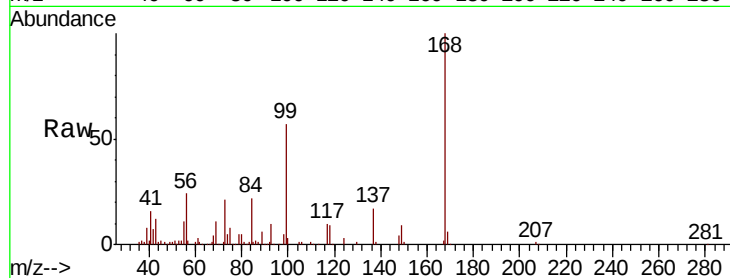
ClientSampleId :

Tot Ion:168 Resp: 218912

Ion Ratio Lower Upper

168 100

99 56.7 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

100000

80000

60000

40000

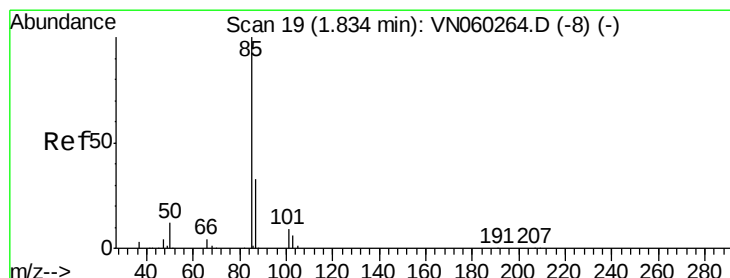
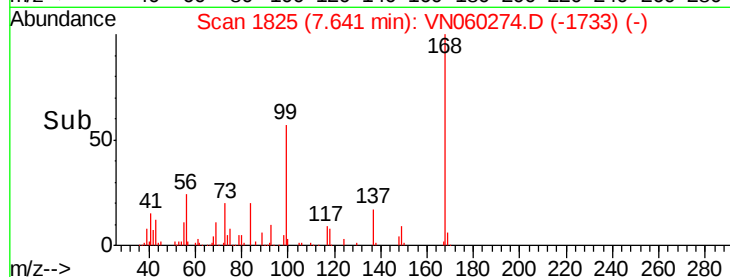
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.705 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060274.D

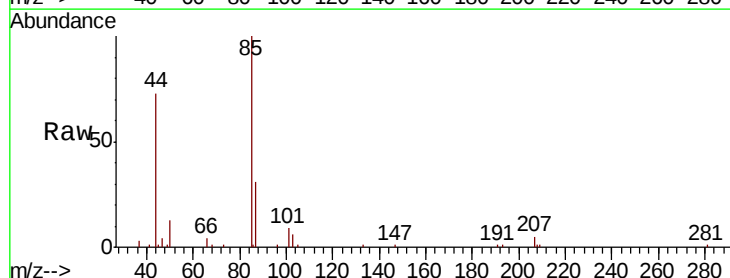
Acq: 28 Feb 2020 11:05

Tgt Ion: 85 Resp: 37543

Ion Ratio Lower Upper

85 100

87 31.0 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

30000

25000

20000

15000

10000

5000

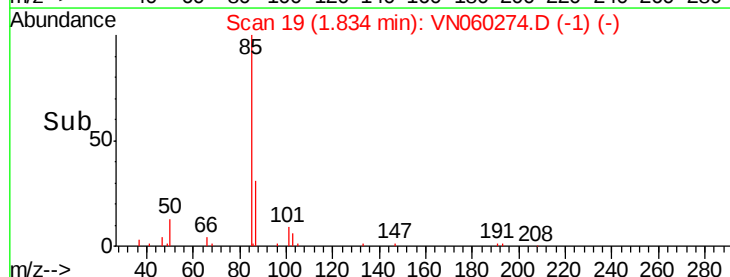
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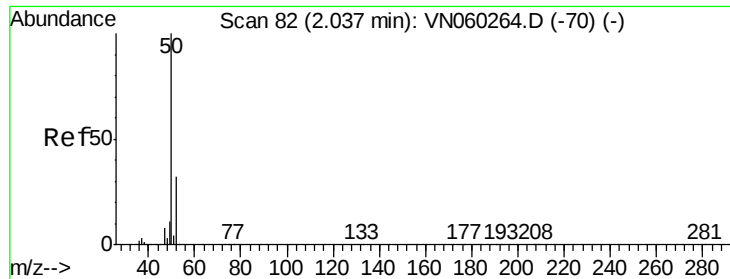
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 16.959 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

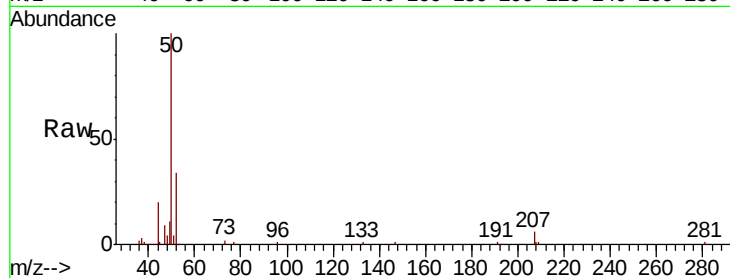
ClientSampled :

Tot Ion: 50 Resp: 59263

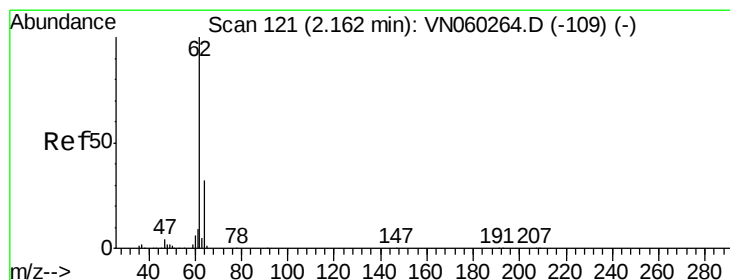
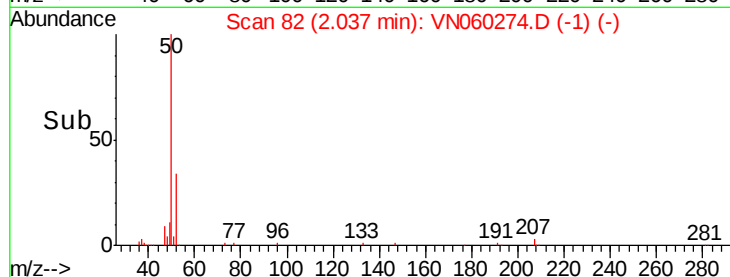
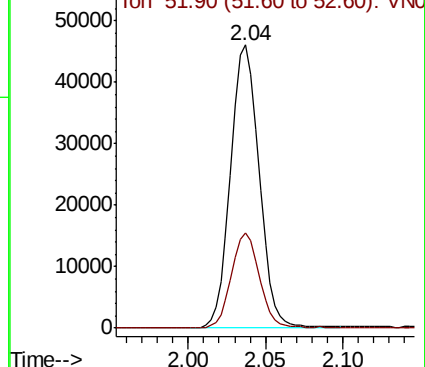
Ion Ratio Lower Upper

50 100

52 33.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060264.D (-70) (-)



#4

Vinyl Chloride

Concen: 17.117 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060274.D

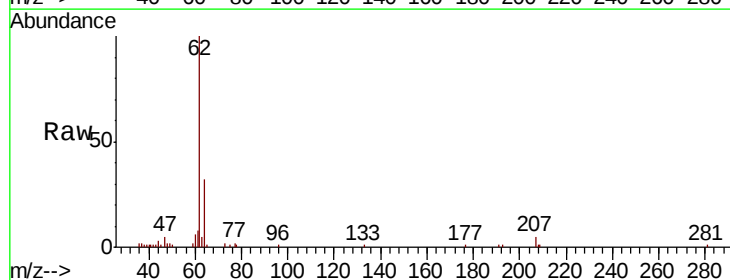
Acq: 28 Feb 2020 11:05

Tgt Ion: 62 Resp: 51298

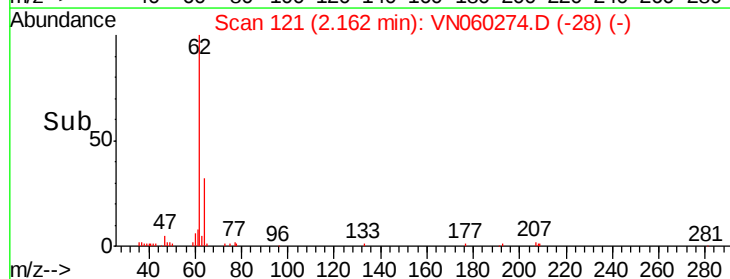
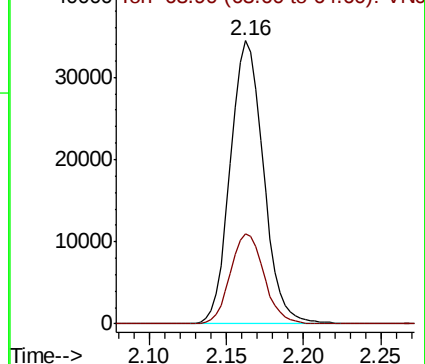
Ion Ratio Lower Upper

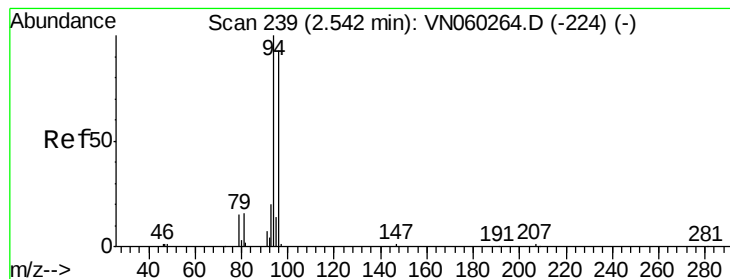
62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN060264.D (-109) (-)





#5

Bromomethane

Concen: 15.969 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

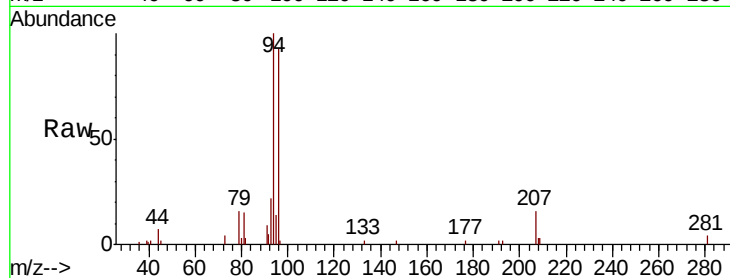
ClientSampleId :

Tot Ion: 94 Resp: 21237

Ion Ratio Lower Upper

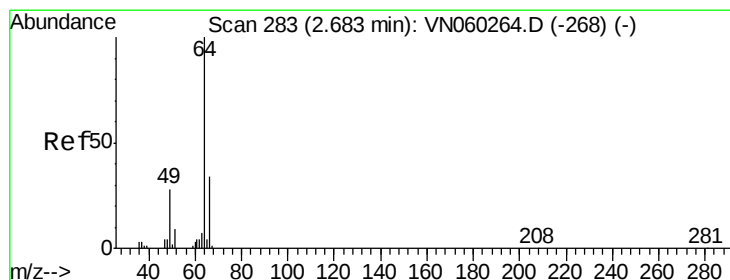
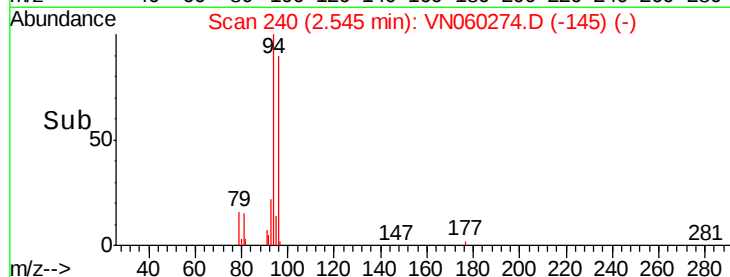
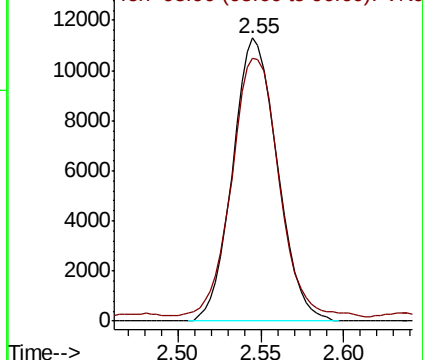
94 100

96 90.1 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.360 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060274.D

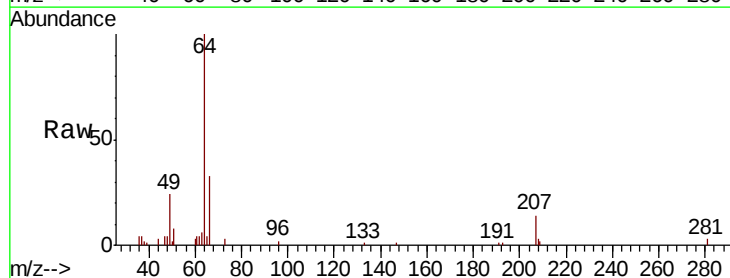
Acq: 28 Feb 2020 11:05

Tgt Ion: 64 Resp: 28187

Ion Ratio Lower Upper

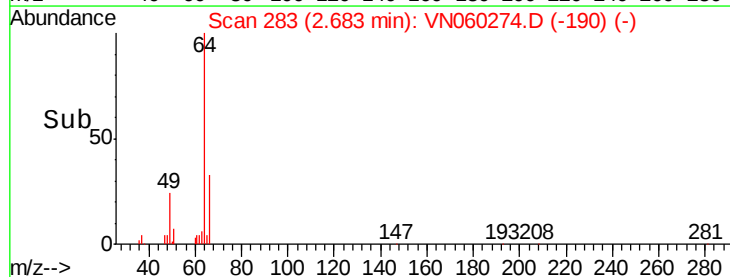
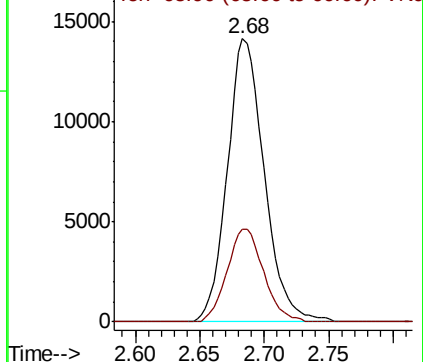
64 100

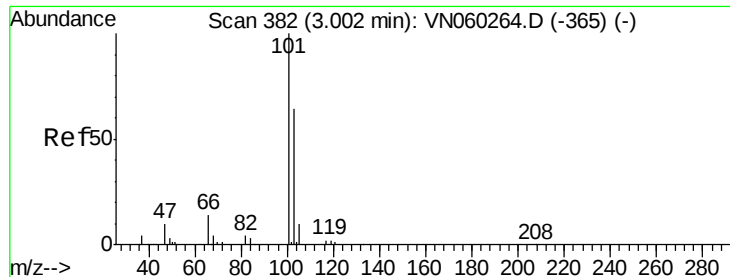
66 32.9 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



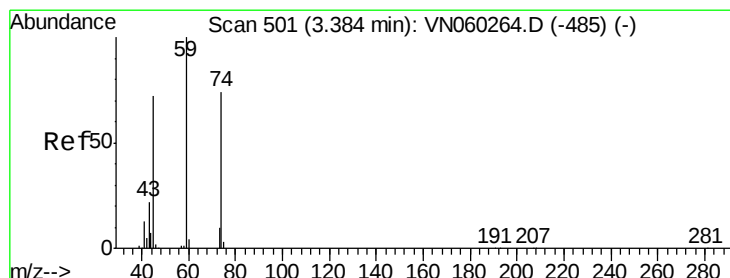
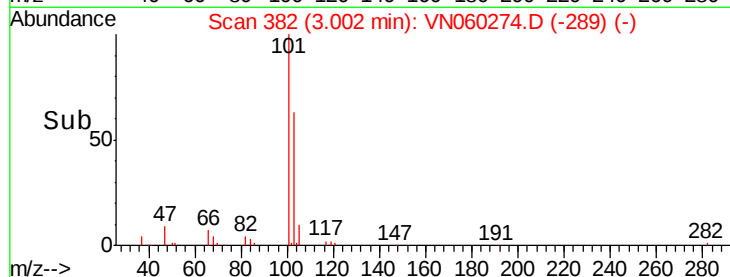
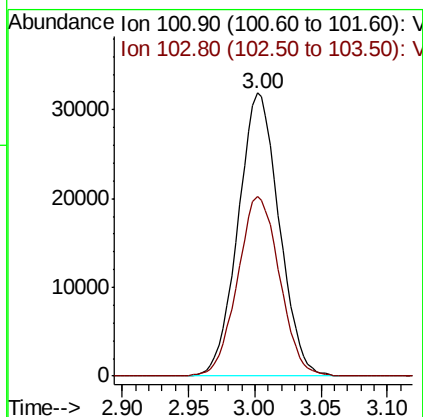
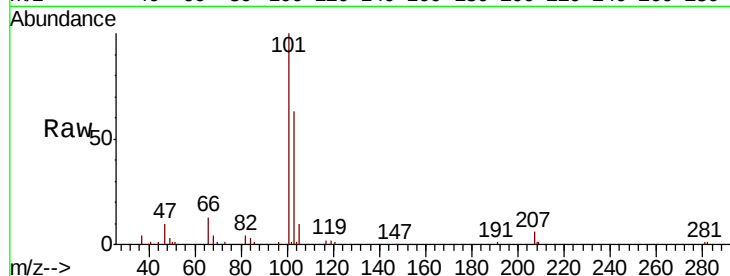


#7

Trichlorofluoromethane
 Concen: 17.921 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Instrument :
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 ClientSampleId :

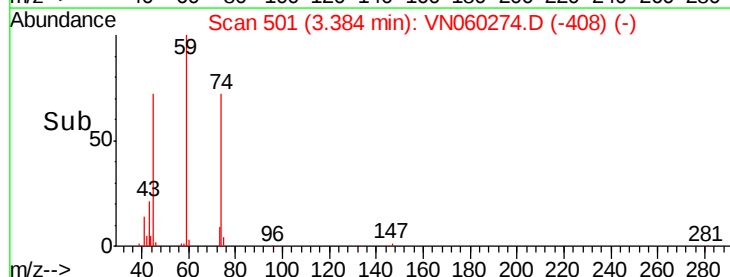
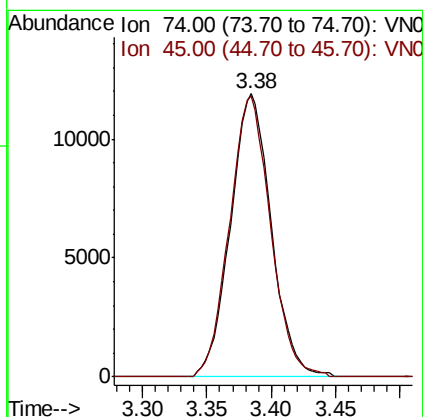
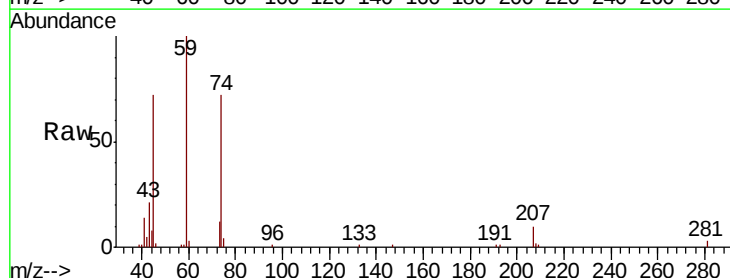
Tot Ion:101 Resp: 68616
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.3 76.9



#8

Diethyl Ether
 Concen: 18.072 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Tgt Ion: 74 Resp: 26126
 Ion Ratio Lower Upper
 74 100
 45 99.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.590 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

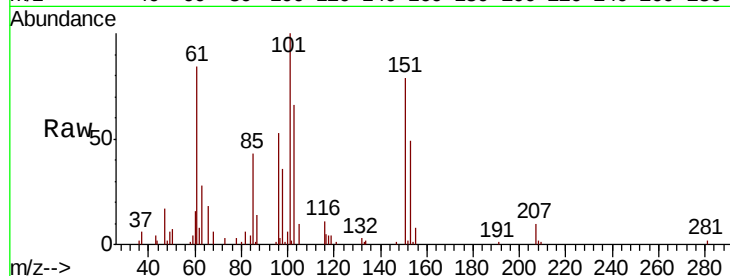
Tot Ion:101 Resp: 40283

Ion Ratio Lower Upper

101 100

85 44.9 35.4 53.2

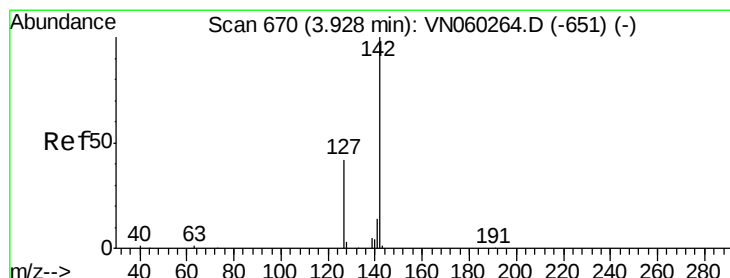
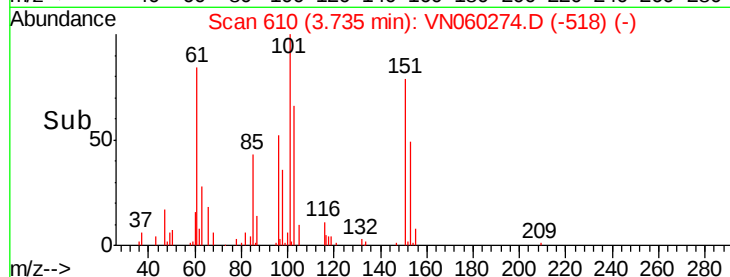
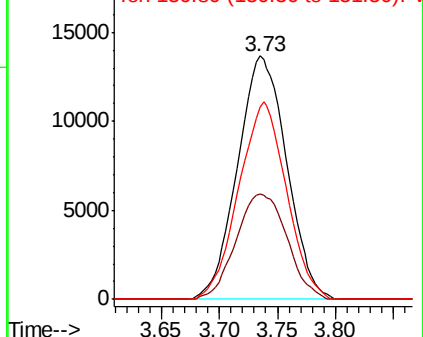
151 78.7 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.444 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060274.D

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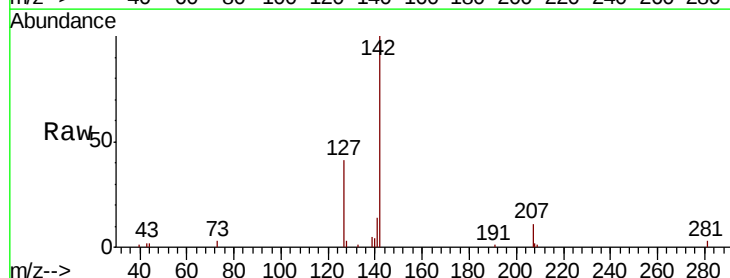
Tgt Ion:142 Resp: 36476

Ion Ratio Lower Upper

142 100

127 42.8 33.8 50.6

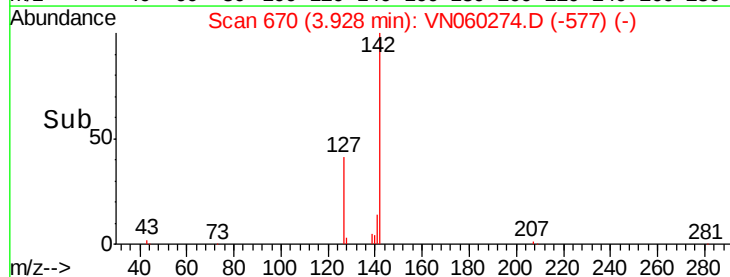
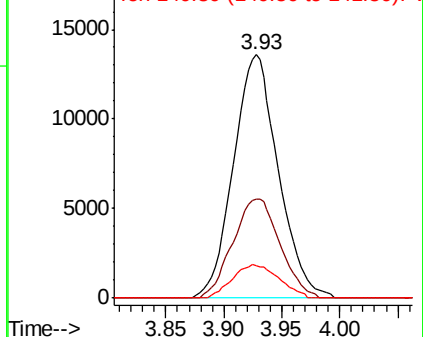
141 14.3 11.1 16.7



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



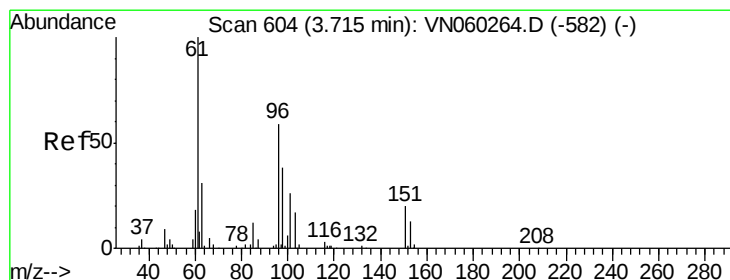
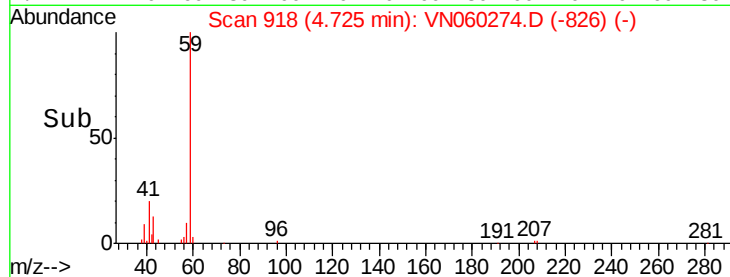
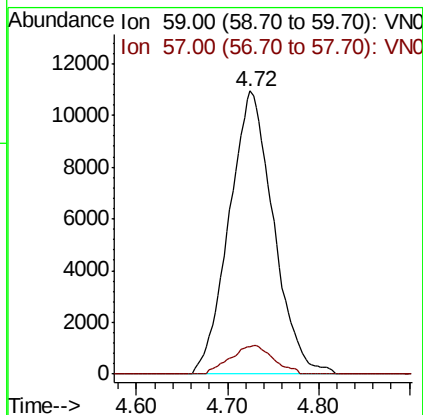
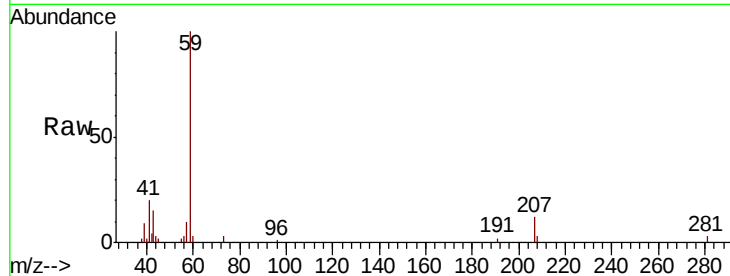


#11

Tert butyl alcohol
 Concen: 88.601 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :

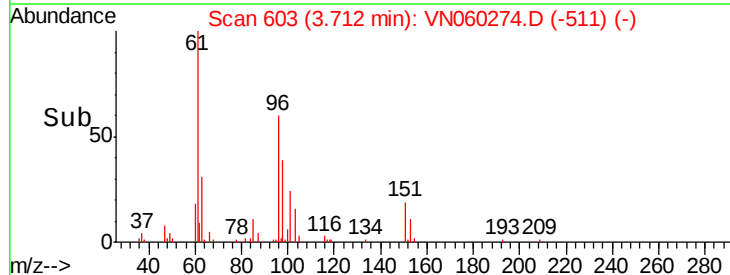
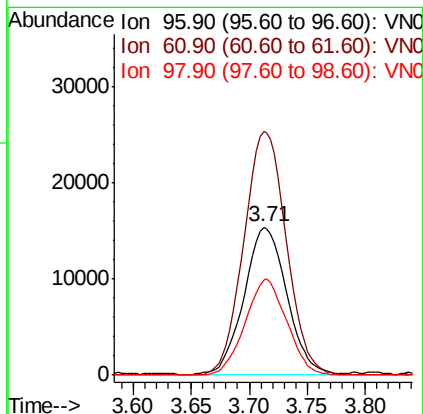
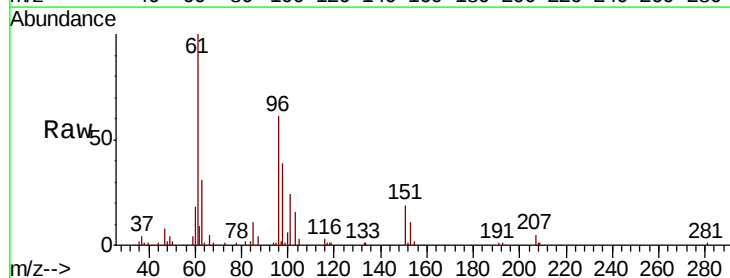
Tot Ion: 59 Resp: 36951
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 18.944 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Tgt Ion: 96 Resp: 39942
 Ion Ratio Lower Upper
 96 100
 61 164.5 135.4 203.0
 98 63.9 51.6 77.4





#13

Acrolein

Concen: 90.148 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

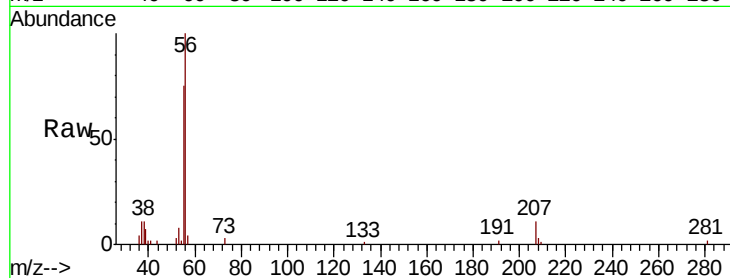
ClientSampled :

Tot Ion: 56 Resp: 35074

Ion Ratio Lower Upper

56 100

55 73.5 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

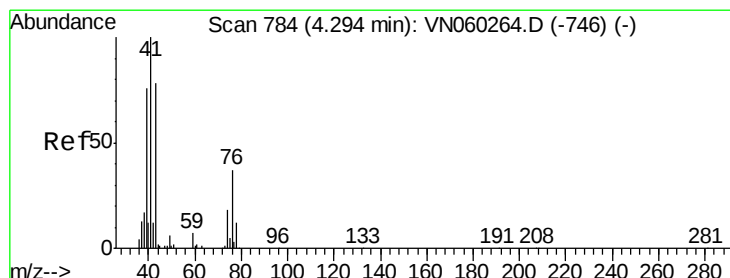
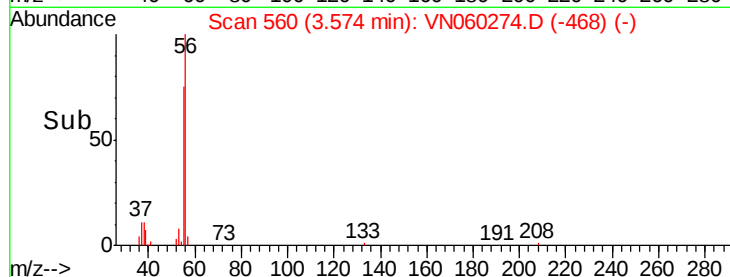
10000

5000

0

3.57

Time-->



#14

Allyl chloride

Concen: 16.924 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

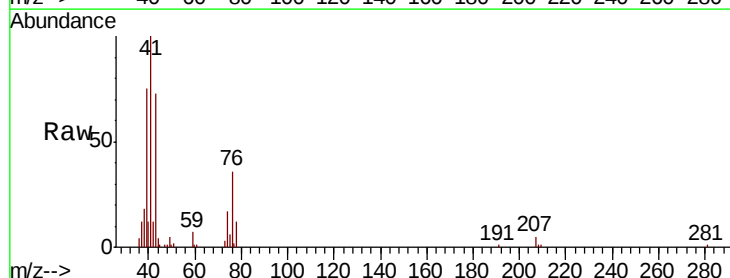
Tgt Ion: 41 Resp: 65627

Ion Ratio Lower Upper

41 100

39 77.9 55.4 83.2

76 37.0 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

30000

25000

20000

15000

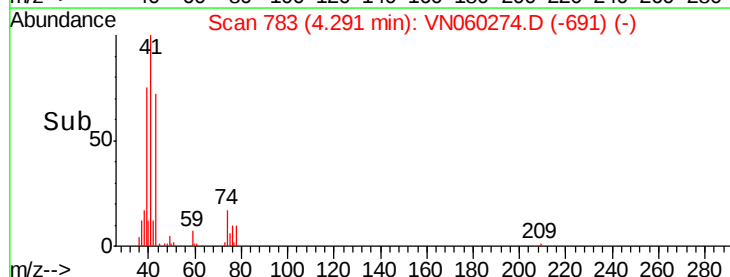
10000

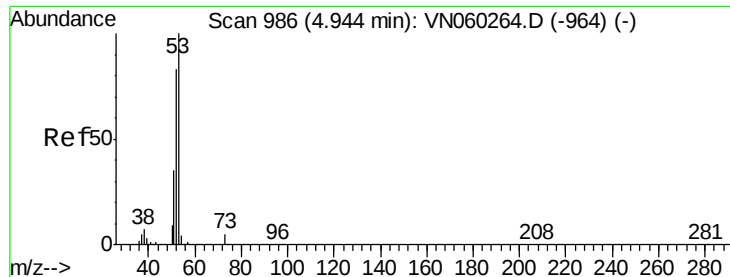
5000

0

4.29

Time-->





#15

Acrylonitrile

Concen: 87.850 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

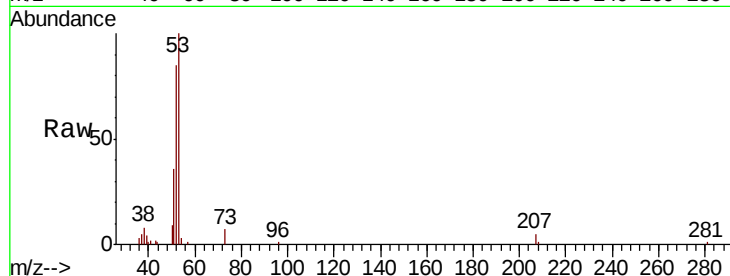
Tot Ion: 53 Resp: 96571

Ion Ratio Lower Upper

53 100

52 83.0 66.8 100.2

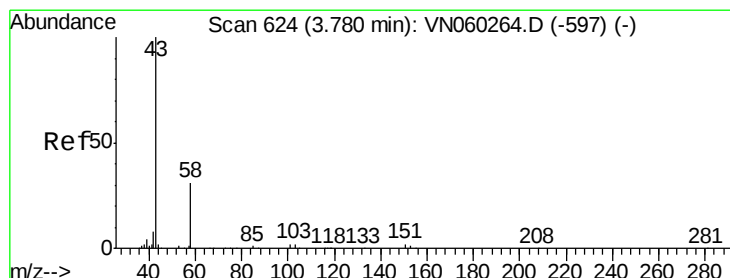
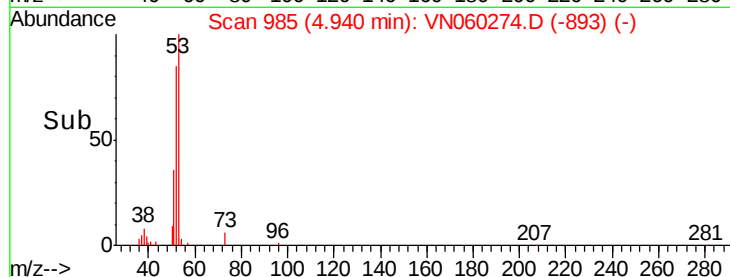
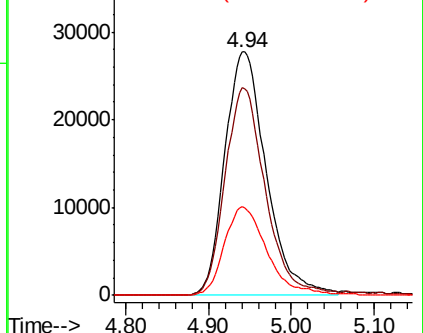
51 37.2 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060274.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060274.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060274.D (-964) (-)



#16

Acetone

Concen: 81.125 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060274.D

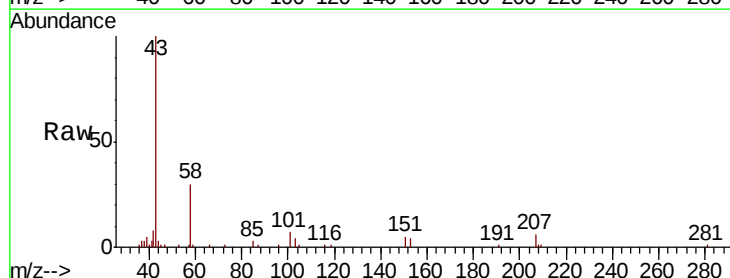
Acq: 28 Feb 2020 11:05

Tgt Ion: 43 Resp: 73581

Ion Ratio Lower Upper

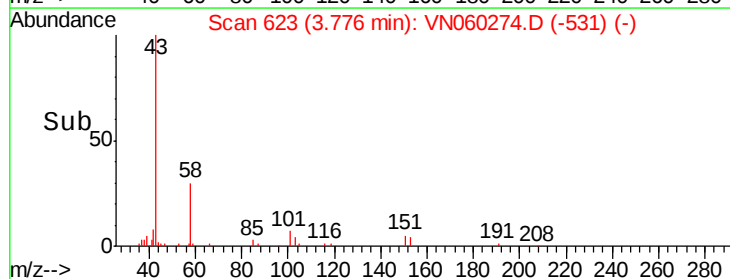
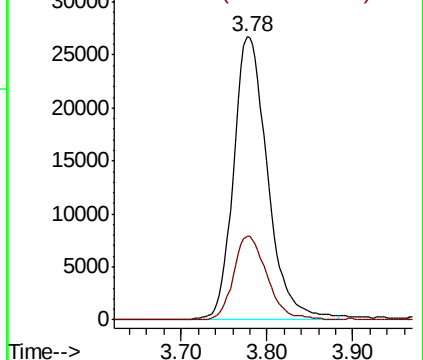
43 100

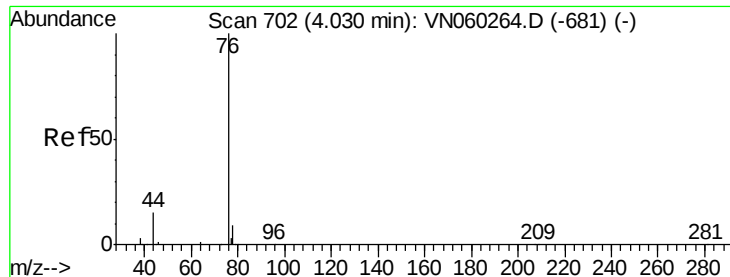
58 29.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060274.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060274.D (-531) (-)





#17

Carbon Disulfide

Concen: 18.309 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

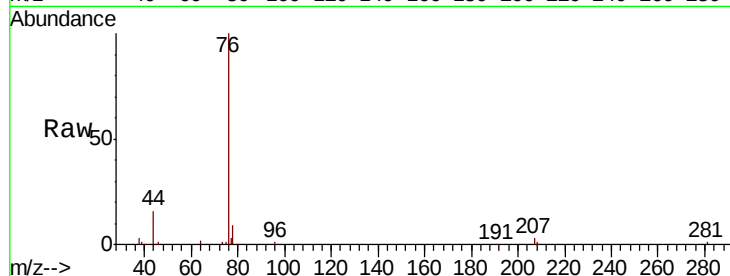
ClientSampleId :

Tot Ion: 76 Resp: 104680

Ion Ratio Lower Upper

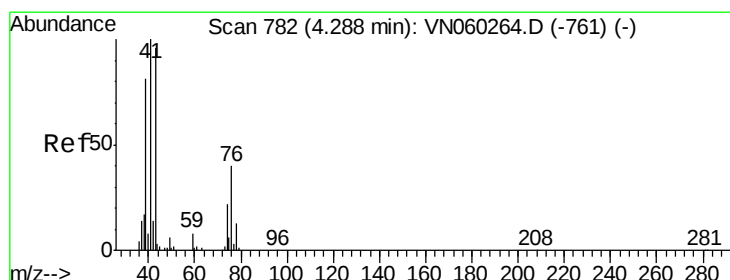
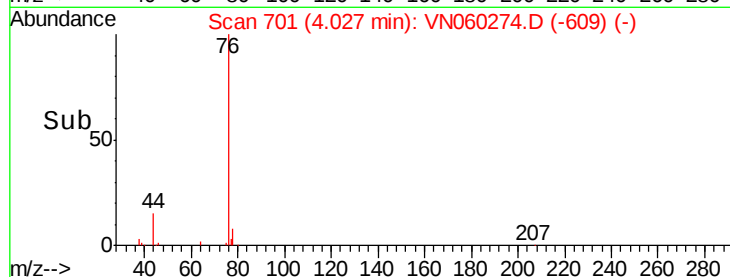
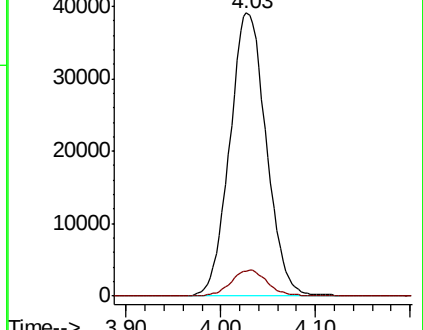
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN060274.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060274.D (-681) (-)



#18

Methyl Acetate

Concen: 16.575 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060274.D

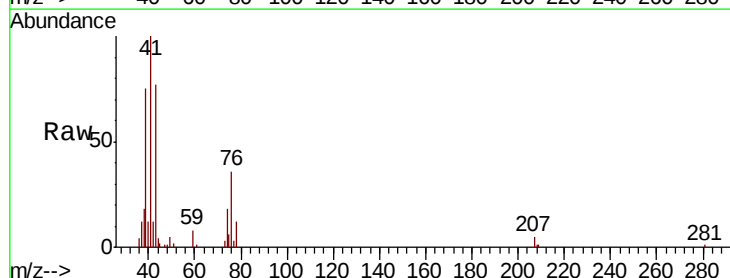
Acq: 28 Feb 2020 11:05

Tgt Ion: 43 Resp: 50170

Ion Ratio Lower Upper

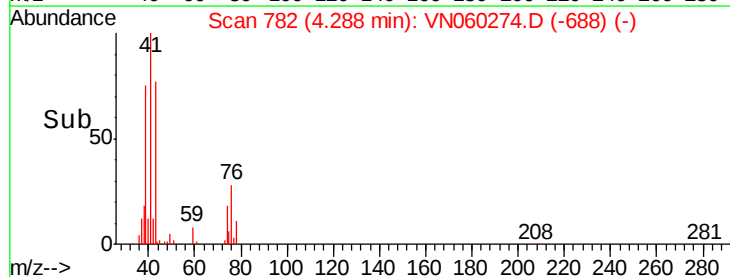
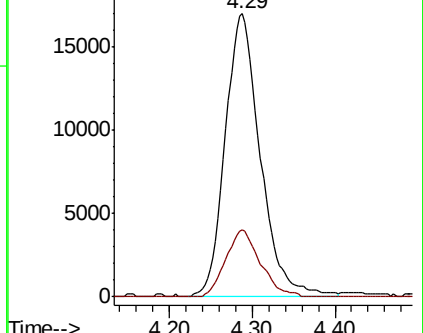
43 100

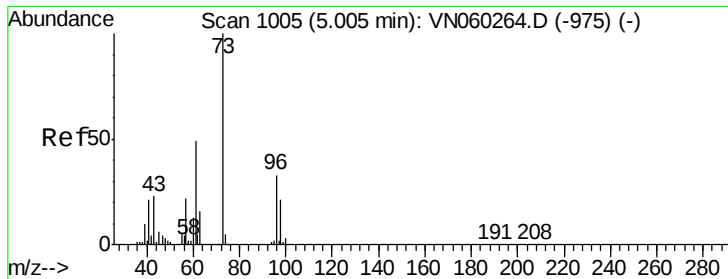
74 23.2 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN060274.D (-688) (-)

Ion 74.00 (73.70 to 74.70): VN060274.D (-688) (-)

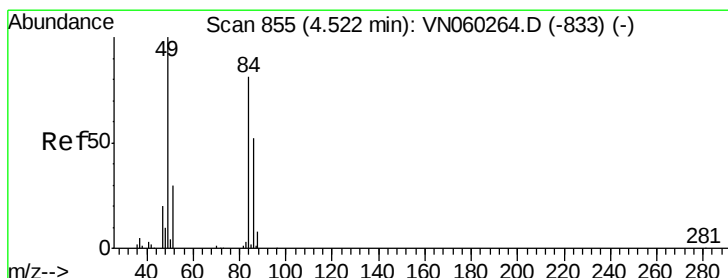
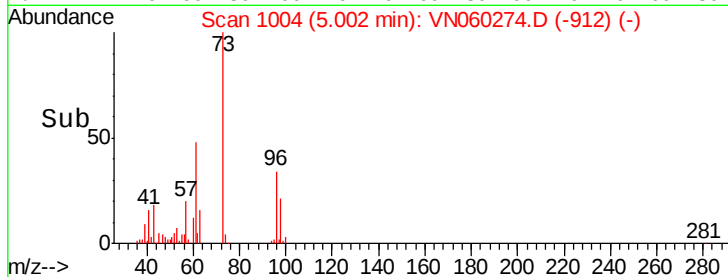
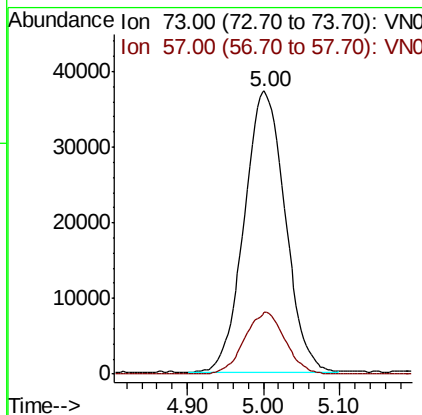
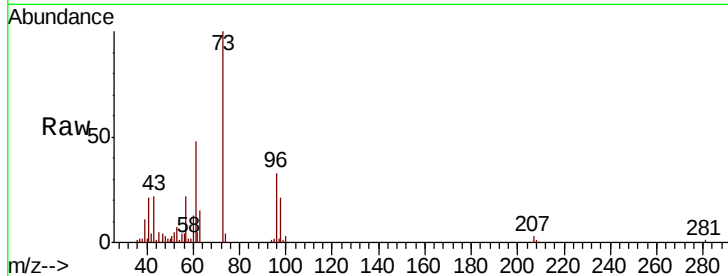




#19
Methvl tert-butvl Ether
Concen: 18.184 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

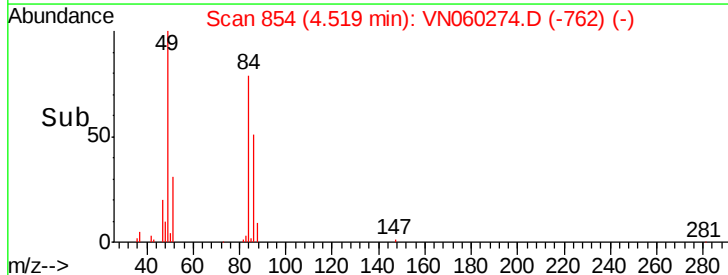
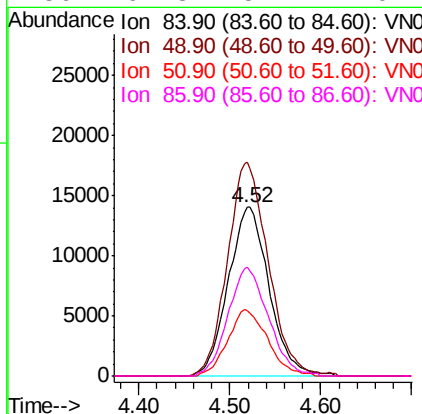
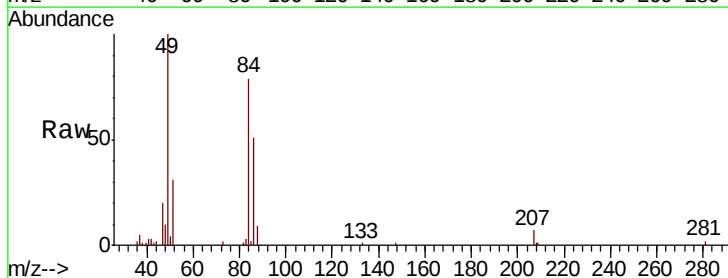
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 138850
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9



#20
Methylene Chloride
Concen: 17.532 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion: 84 Resp: 43670
Ion Ratio Lower Upper
84 100
49 126.5 99.3 148.9
51 38.8 30.1 45.1
86 64.3 51.1 76.7

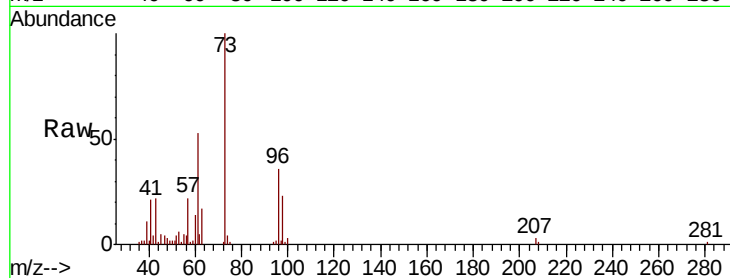




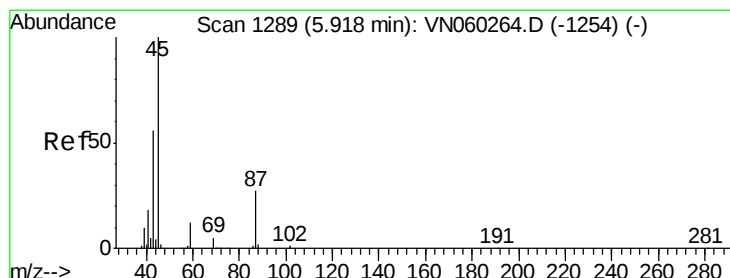
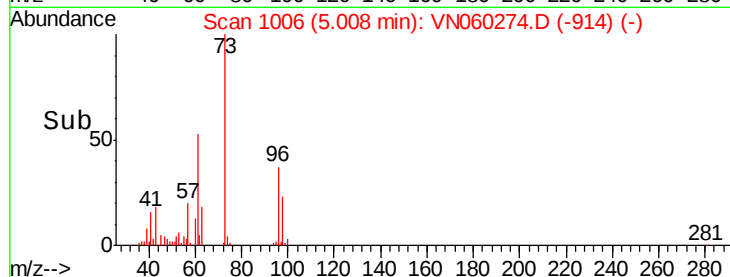
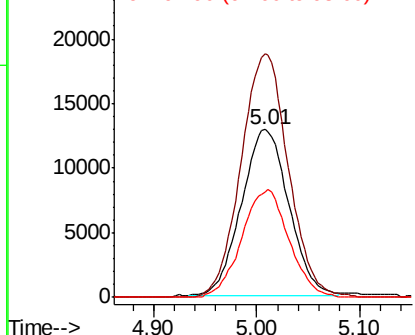
#21
trans-1,2-Dichloroethene
Concen: 17.833 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 40915
Ion Ratio Lower Upper
96 100
61 147.0 113.8 170.8
98 63.7 48.8 73.2

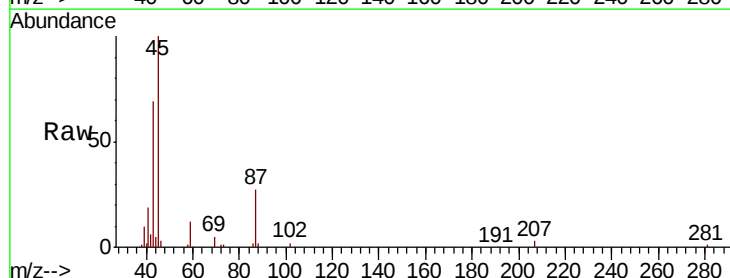


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

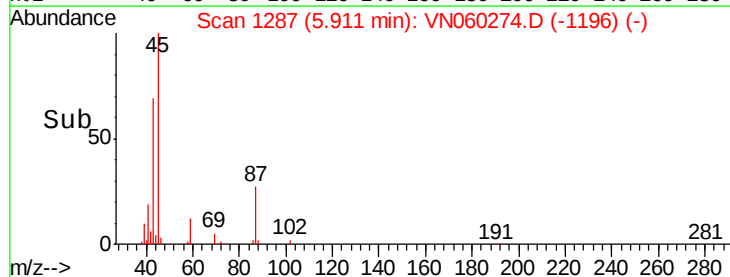
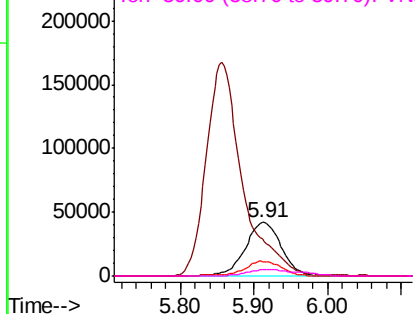


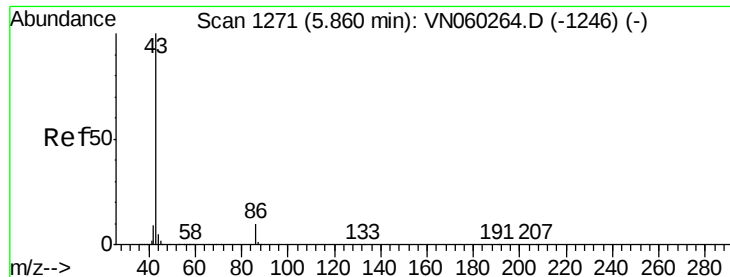
#22
Diisopropyl ether
Concen: 18.199 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion: 45 Resp: 142947
Ion Ratio Lower Upper
45 100
43 67.2 48.6 72.8
87 27.3 22.2 33.2
59 11.2 9.5 14.3



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

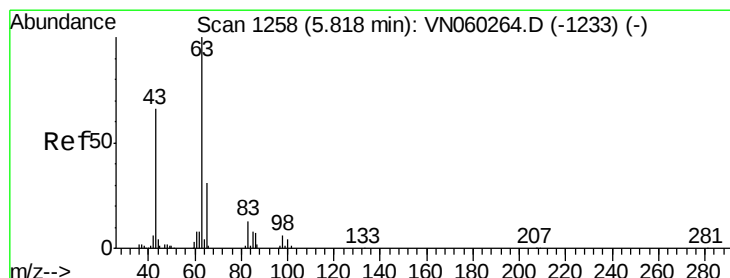
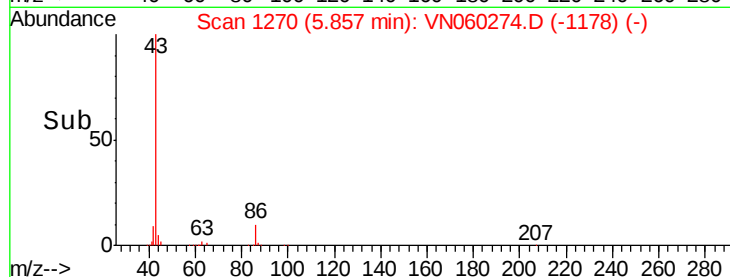
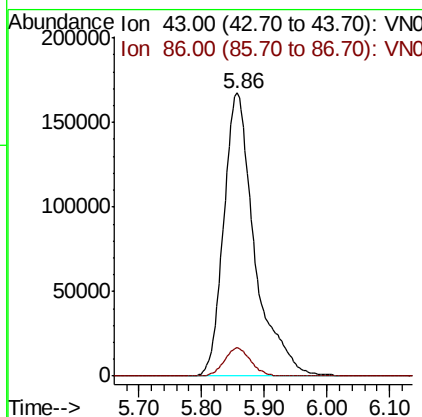
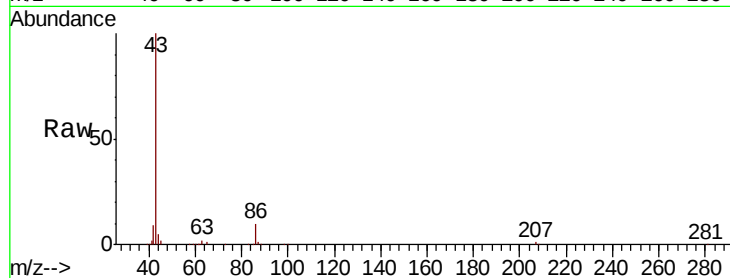




#23
 Vinyl Acetate
 Concen: 92.015 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

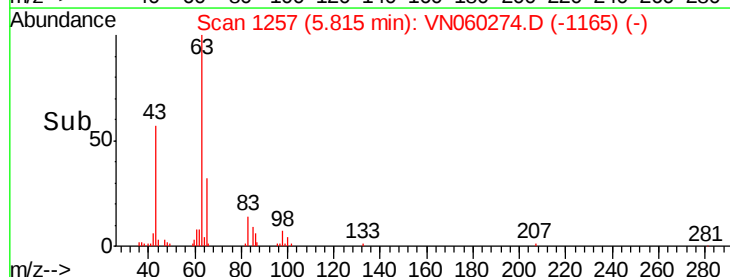
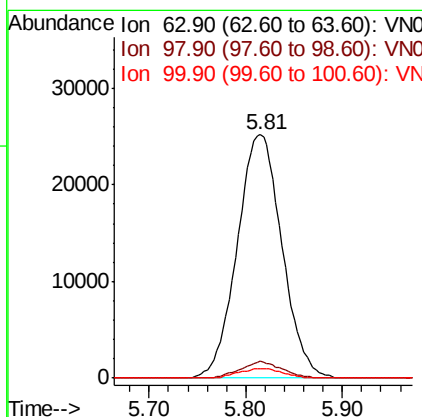
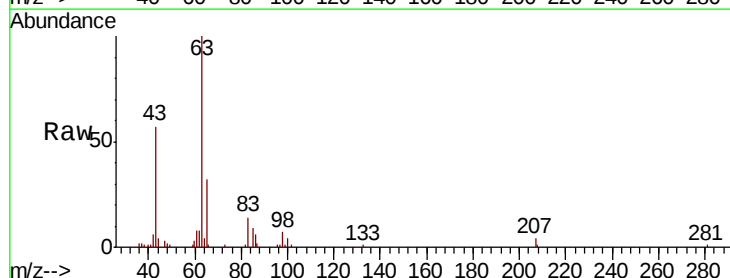
Instrument :
 MSVOA_N
 ClientSampleId :

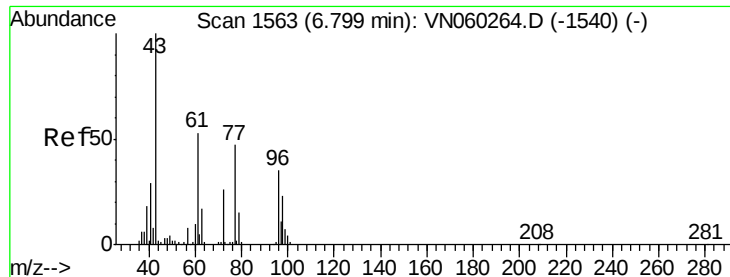
Tot Ion: 43 Resp: 574322
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 18.186 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Tgt Ion: 63 Resp: 80861
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.0 9.0
 100 4.1 2.0 6.0

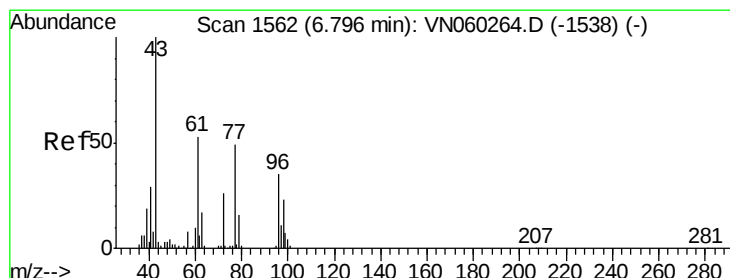
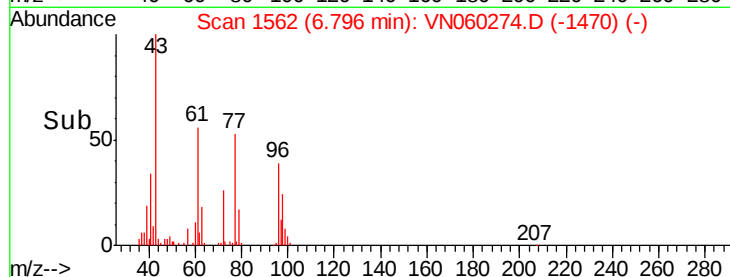
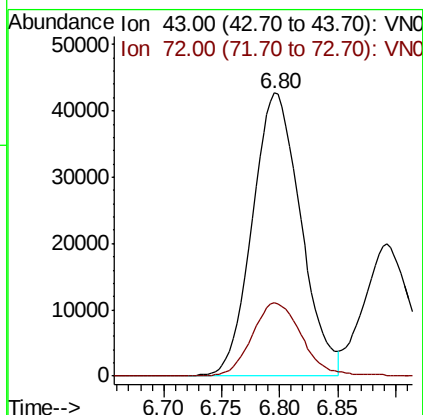
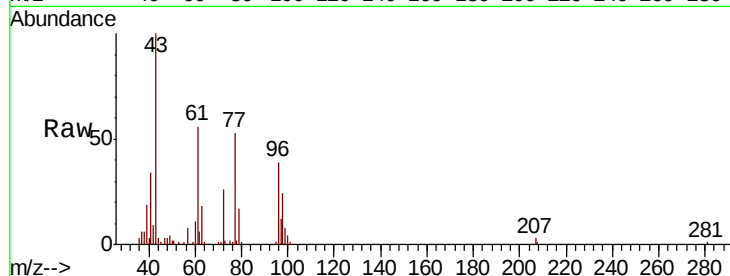




#25
2-Butanone
Concen: 84.738 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

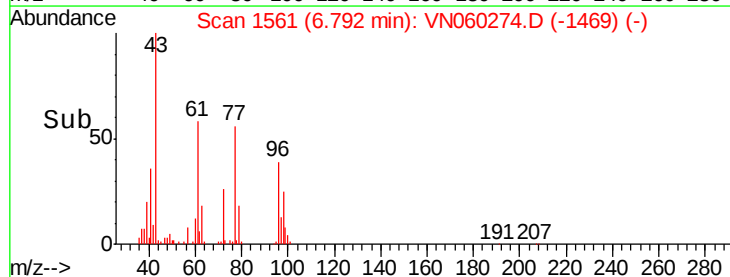
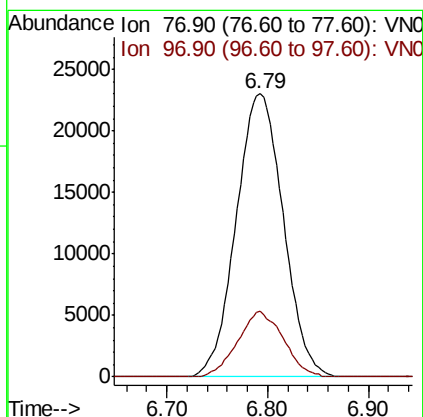
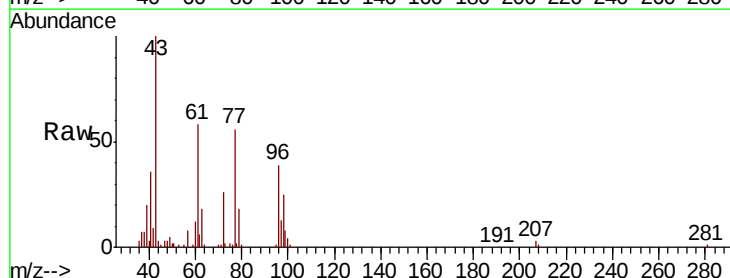
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 124143
Ion Ratio Lower Upper
43 100
72 26.0 20.9 31.3



#26
2,2-Dichloropropane
Concen: 18.415 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion: 77 Resp: 74541
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.075 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampled :

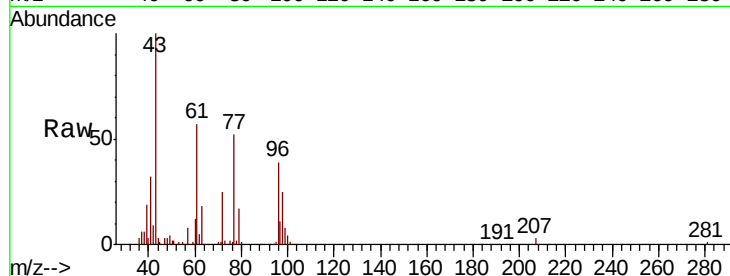
Tot Ion: 96 Resp: 49318

Ion Ratio Lower Upper

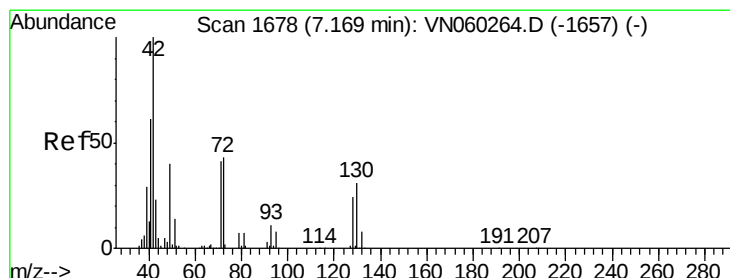
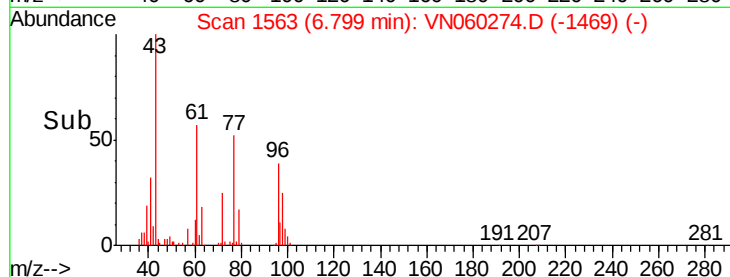
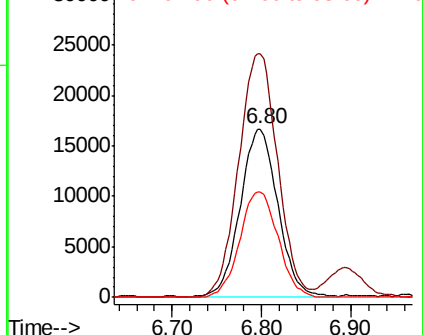
96 100

61 149.1 0.0 300.8

98 63.2 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: 17.549 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

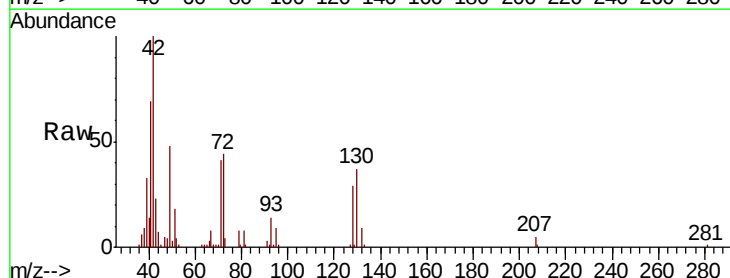
Tgt Ion: 49 Resp: 32036

Ion Ratio Lower Upper

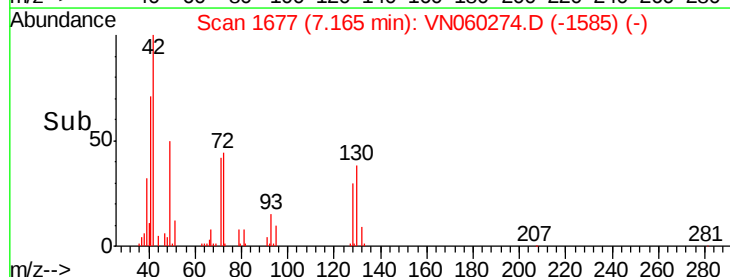
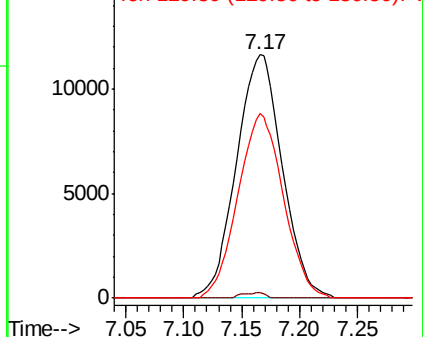
49 100

129 1.1 0.0 3.8

130 74.9 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

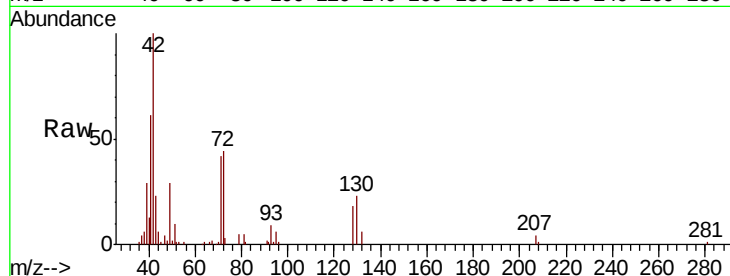




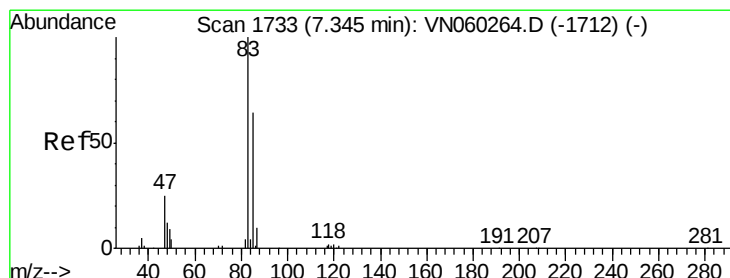
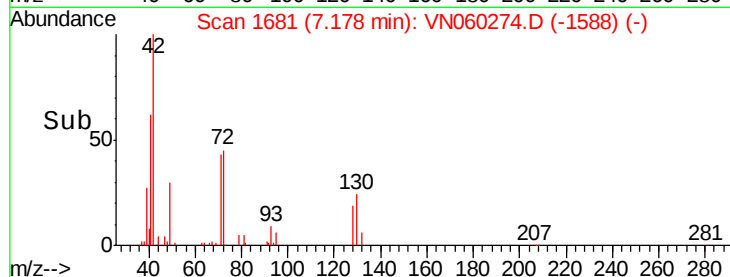
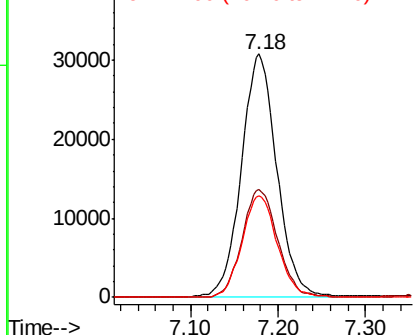
#29
Tetrahydrofuran
Concen: 85.256 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.6	52.0
71	41.3	32.9	49.3

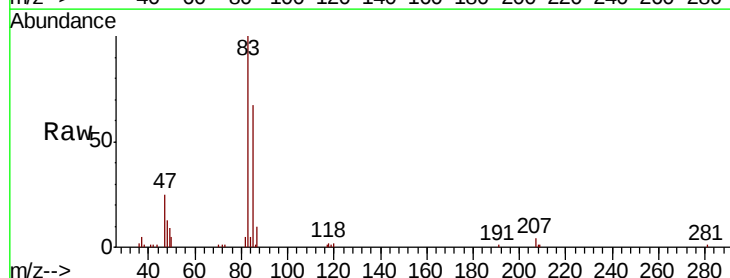


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

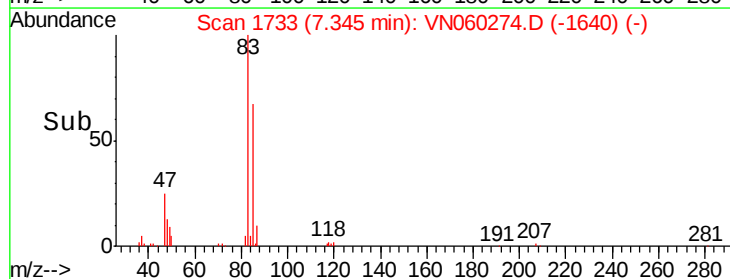
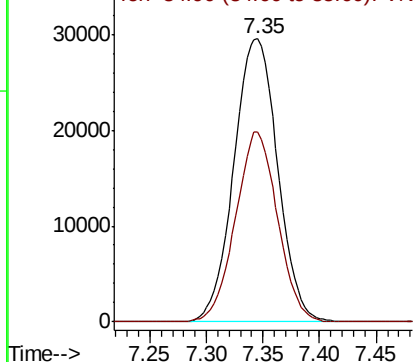


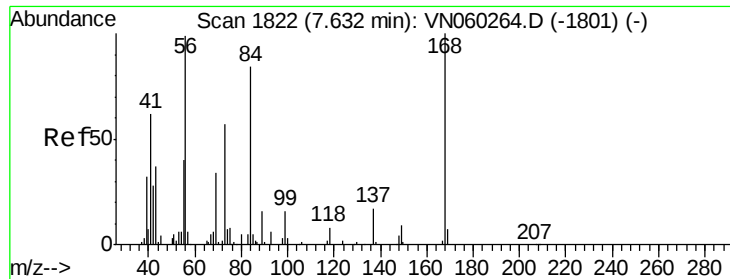
#30
Chloroform
Concen: 17.988 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



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

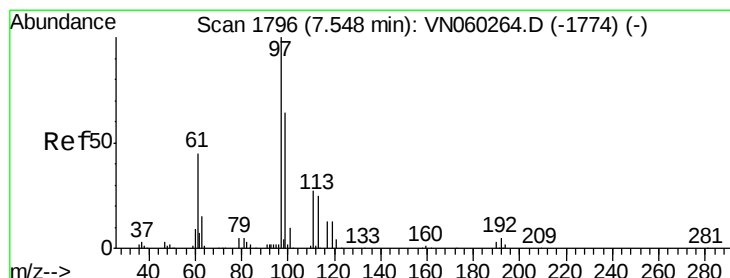
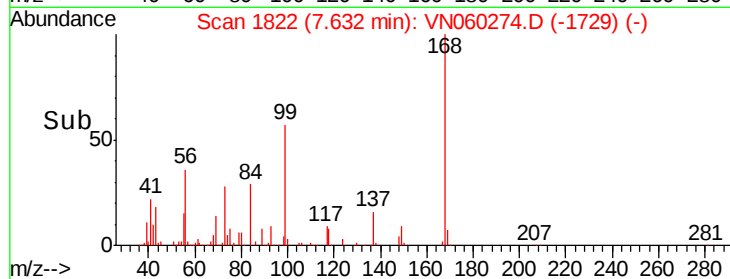
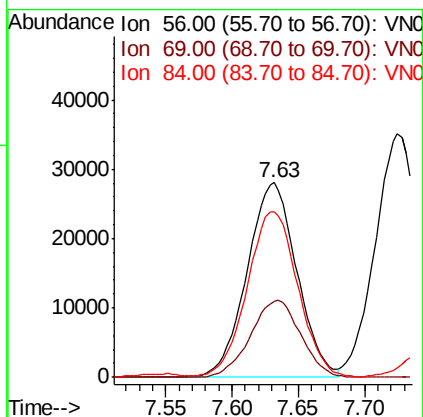
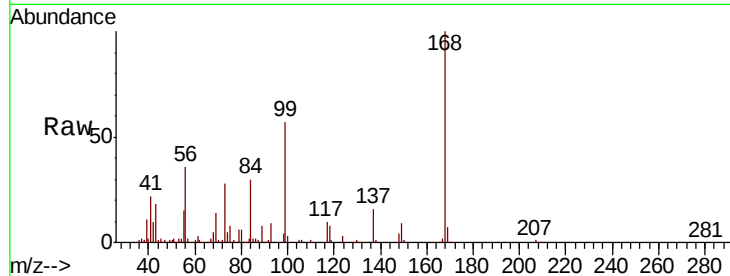




#31
Cyclohexane
Concen: 18.534 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

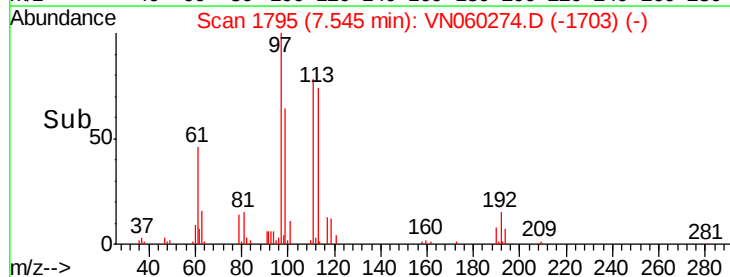
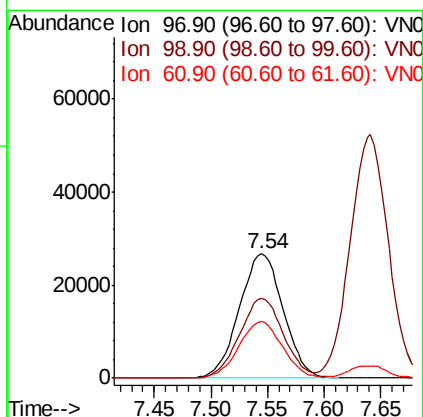
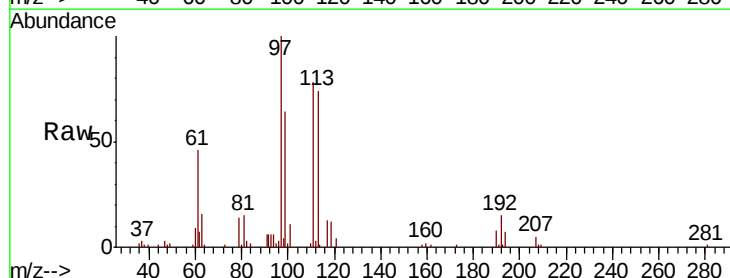
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 73524
Ion Ratio Lower Upper
56 100
69 39.1 27.2 40.8
84 84.7 66.7 100.1



#32
1,1,1-Trichloroethane
Concen: 18.348 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion: 97 Resp: 71956
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 45.5 36.6 55.0

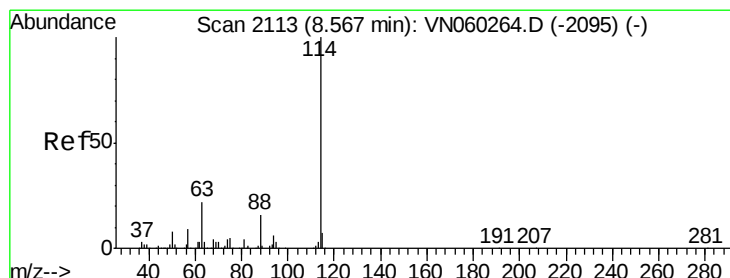
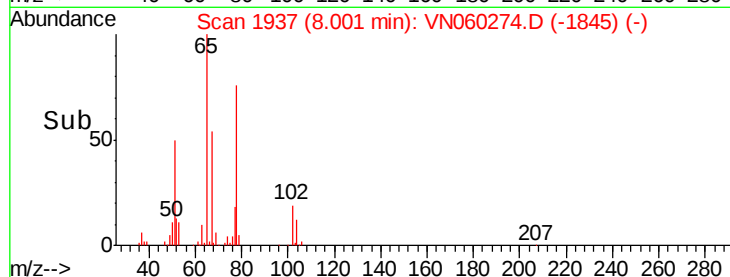
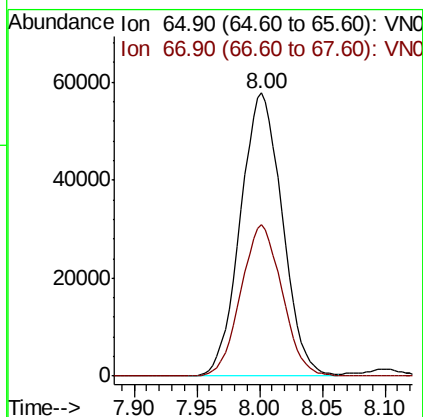
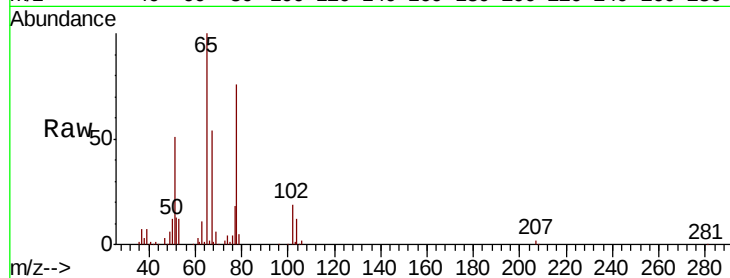




#33
 1,2-Dichloroethane-d4
 Concen: 47.878 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

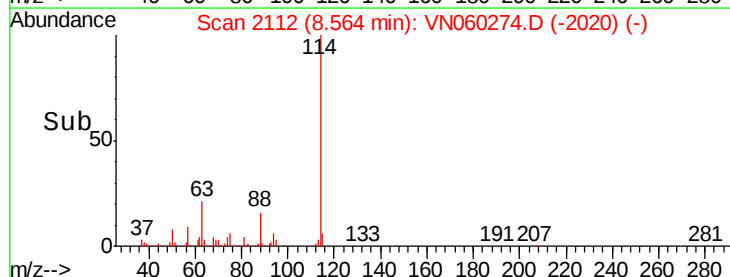
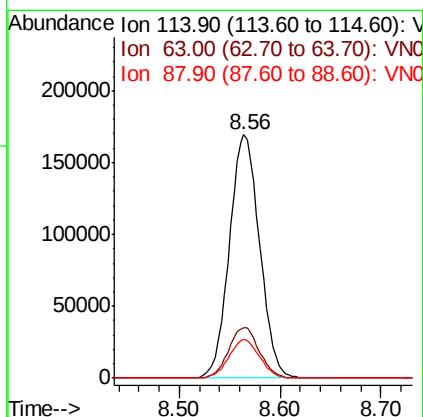
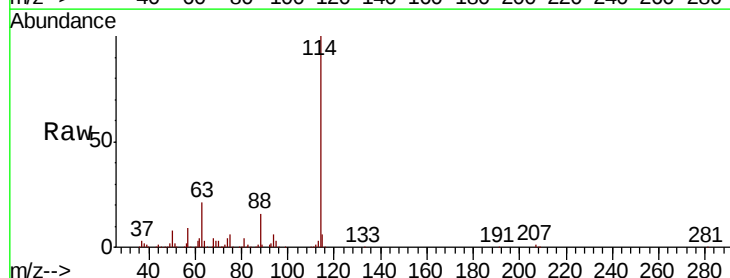
Instrument :
 MSVOA_N
 ClientSampleId :

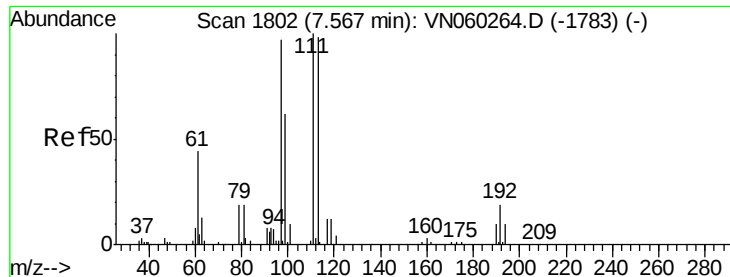
Tot Ion: 65 Resp: 134473
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Tgt Ion: 114 Resp: 352375
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 56.454 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampled :

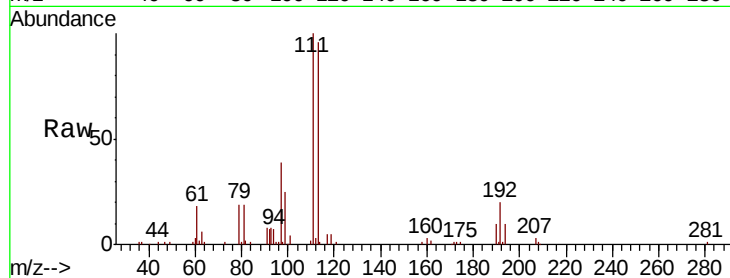
Tot Ion:113 Resp: 92337

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.4	123.6
192	20.5	16.2	24.2

113 100

111 103.9 82.4 123.6

192 20.5 16.2 24.2

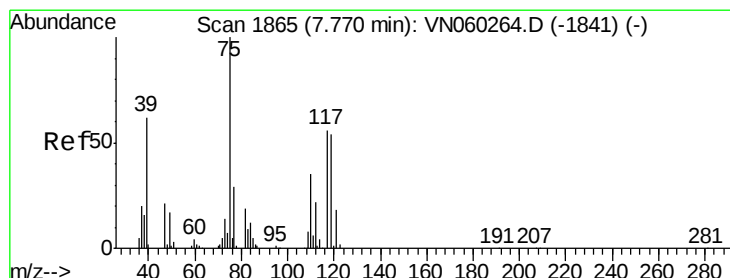
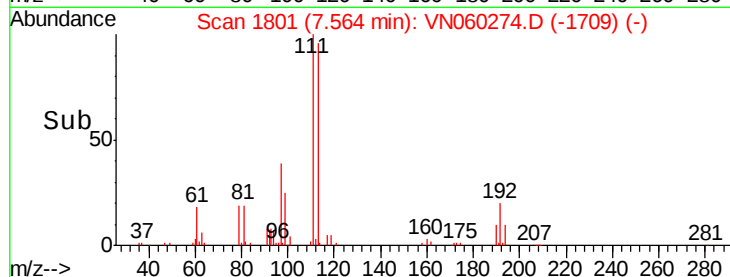
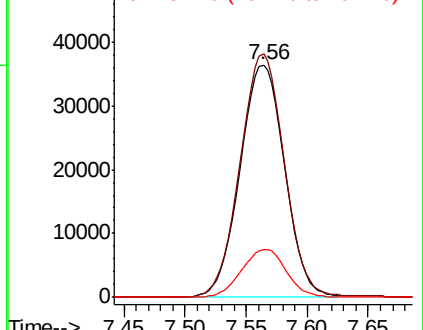


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.910 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

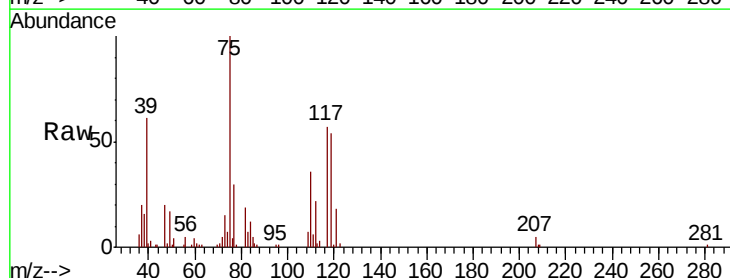
Tgt Ion: 75 Resp: 60147

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.3	52.0
77	30.2	24.2	36.2

75 100

110 34.7 17.3 52.0

77 30.2 24.2 36.2

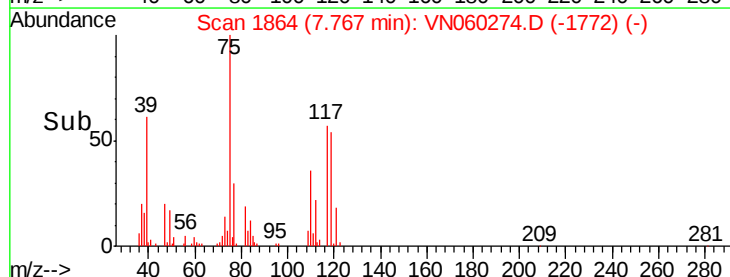
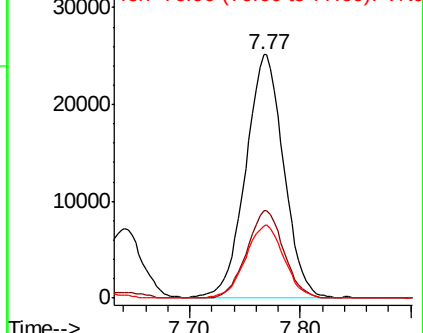


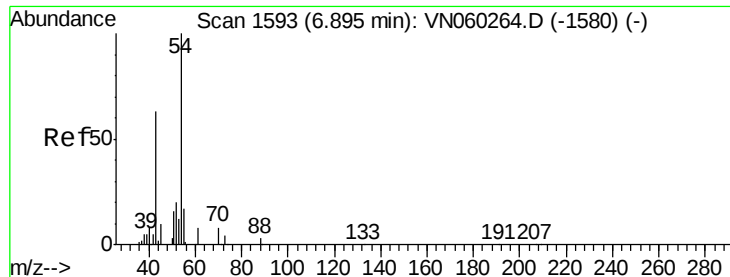
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

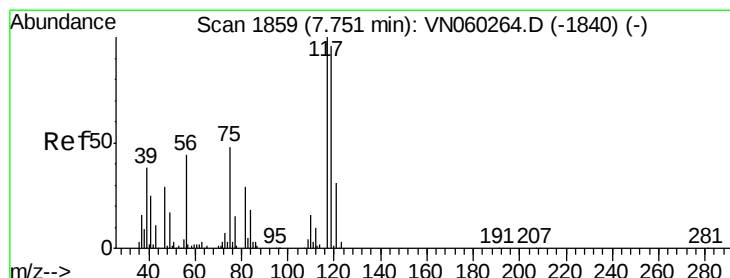
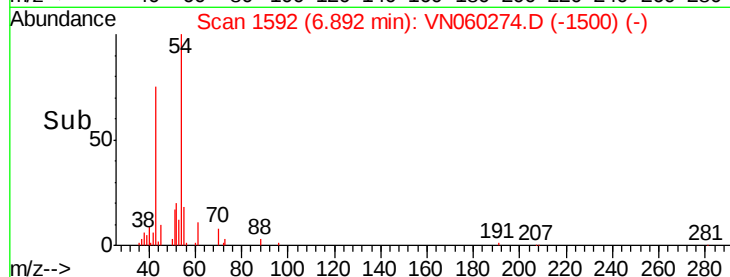
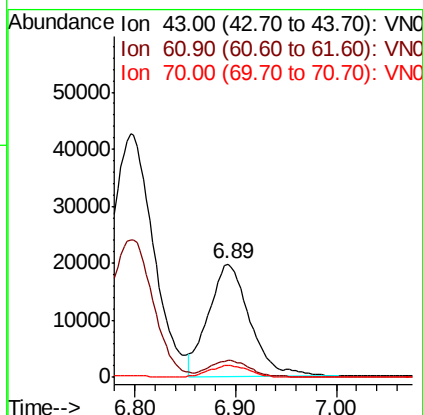
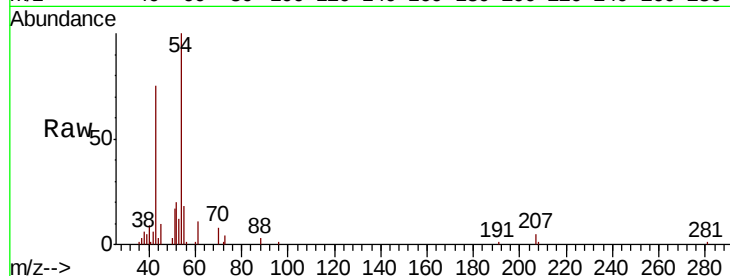




#37
Ethyl Acetate
Concen: 17.644 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

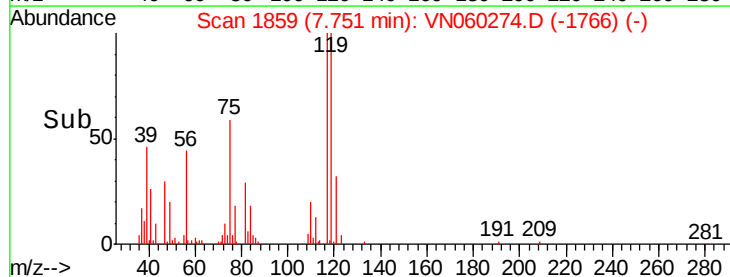
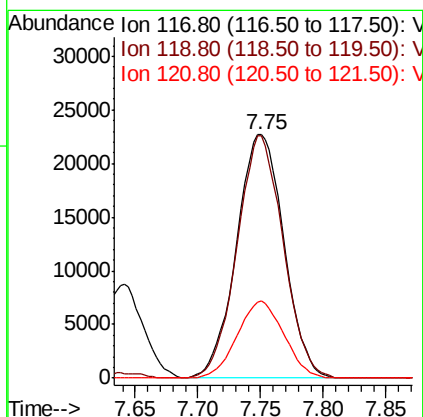
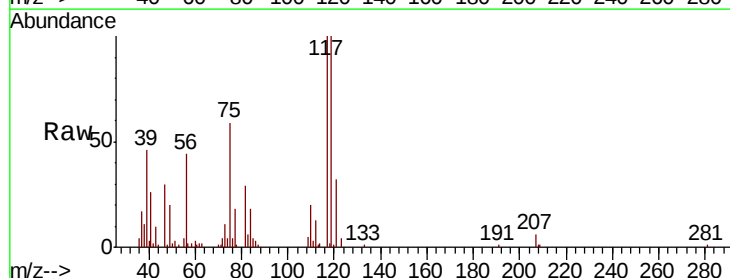
Instrument :
MSVOA_N
ClientSampled :

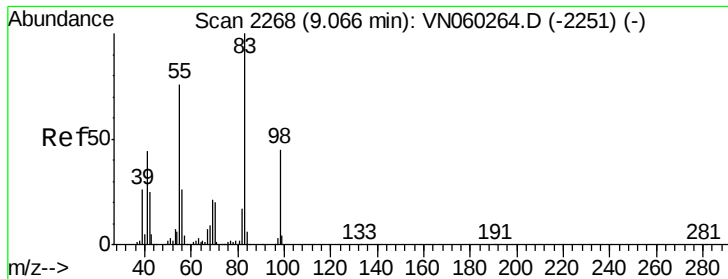
Tot Ion: 43 Resp: 56106
Ion Ratio Lower Upper
43 100
61 14.8 11.1 16.7
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.239 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion: 117 Resp: 59635
Ion Ratio Lower Upper
117 100
119 99.6 76.7 115.1
121 31.6 24.5 36.7

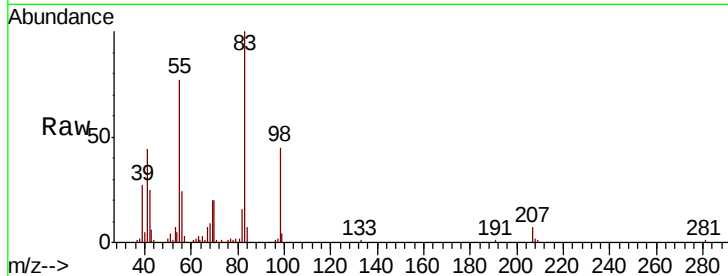




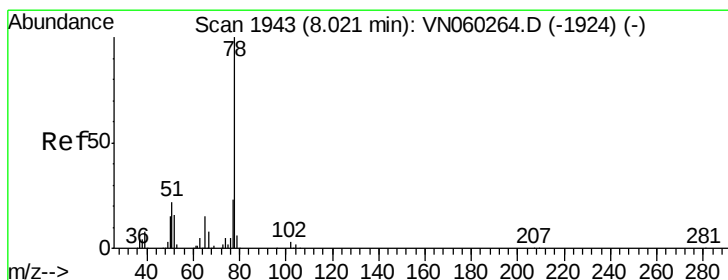
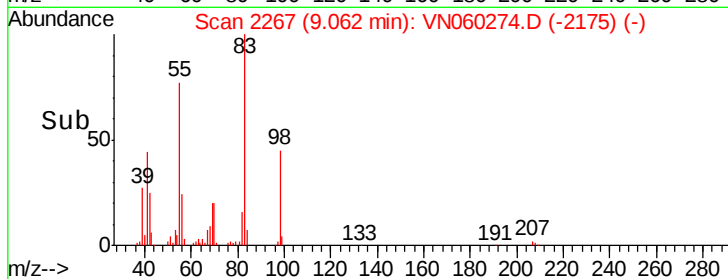
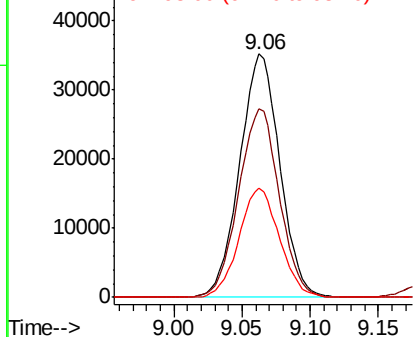
#39
Methvlcvclohexane
Concen: 18.179 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 71982
Ion Ratio Lower Upper
83 100
55 77.3 61.0 91.4
98 44.7 36.1 54.1

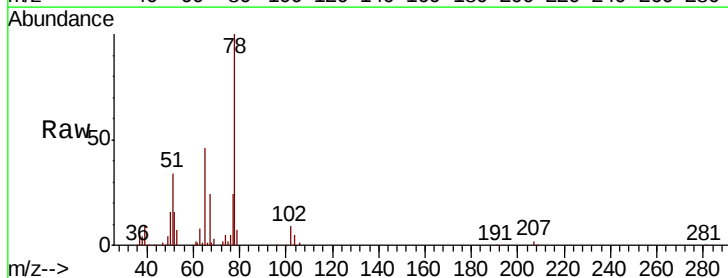


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

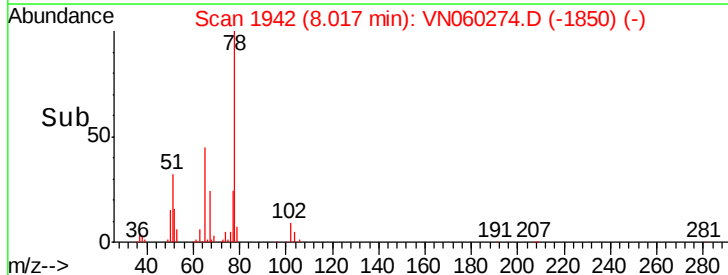
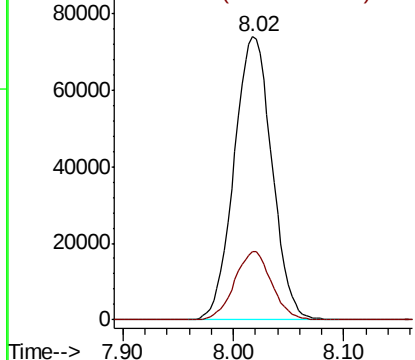


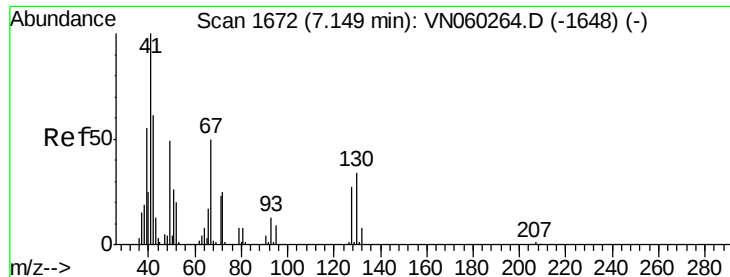
#40
Benzene
Concen: 17.956 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion: 78 Resp: 175511
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

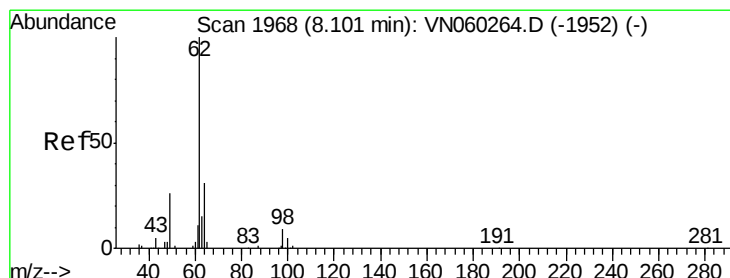
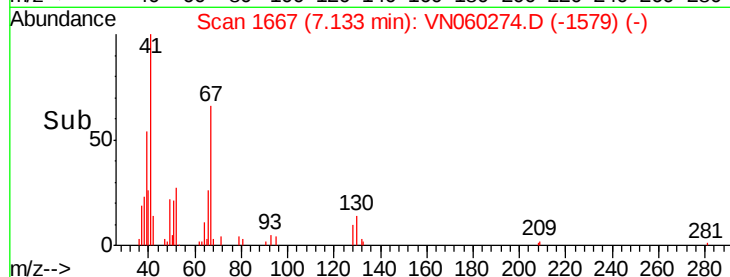
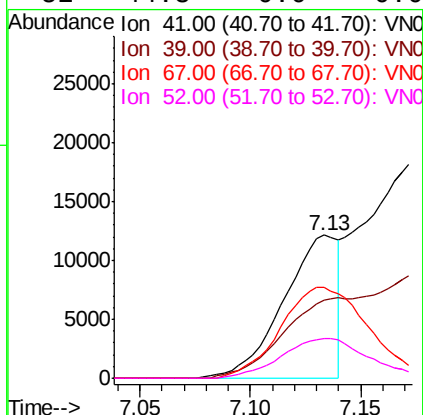
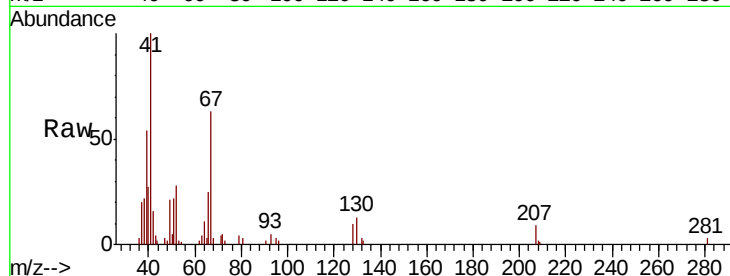




#41
Methacrylonitrile
Concen: 14.258 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. -0.02 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

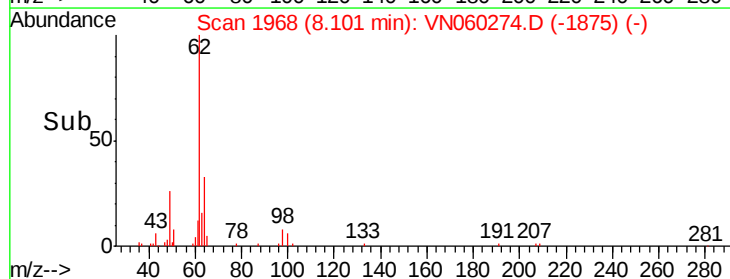
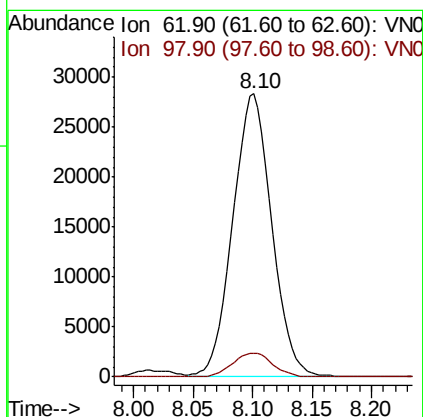
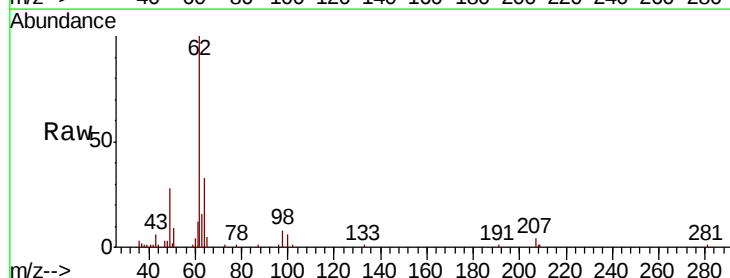
Instrument :
MSVOA_N
ClientSampled :

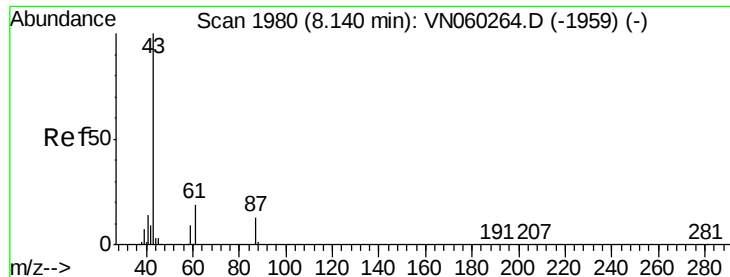
Tot Ion:	41	Resp:	20935
Ion	Ratio	Lower	Upper
41	100		
39	69.5	0.0	0.0#
67	103.2	0.0	0.0#
52	44.8	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.230 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion:	62	Resp:	64302
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 17.849 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

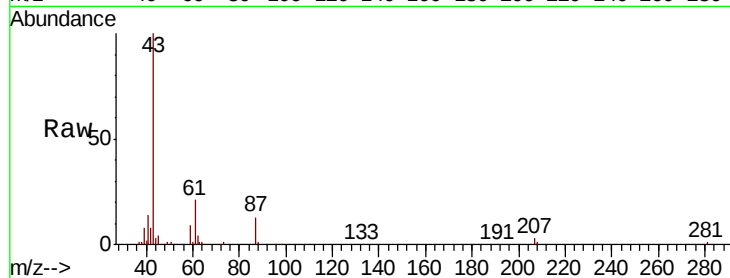
Tot Ion: 43 Resp: 99367

Ion Ratio Lower Upper

43 100

61 26.9 20.9 31.3

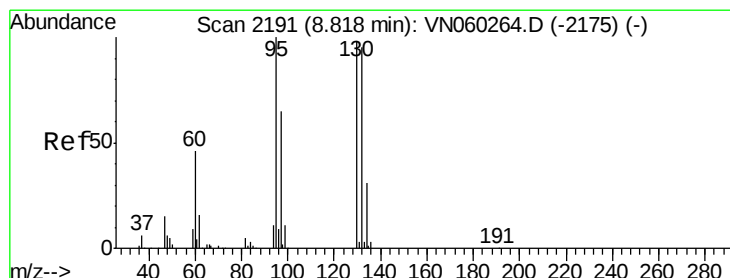
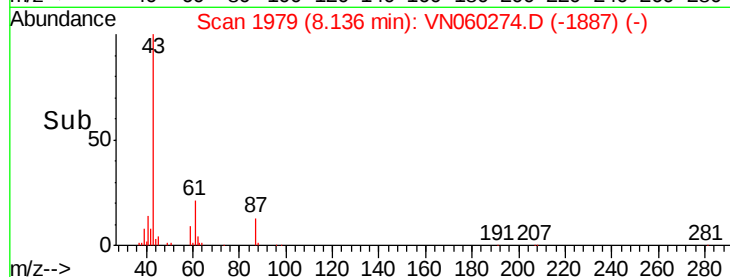
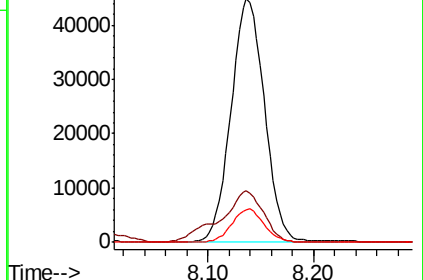
87 13.1 10.6 16.0



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: 18.069 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060274.D

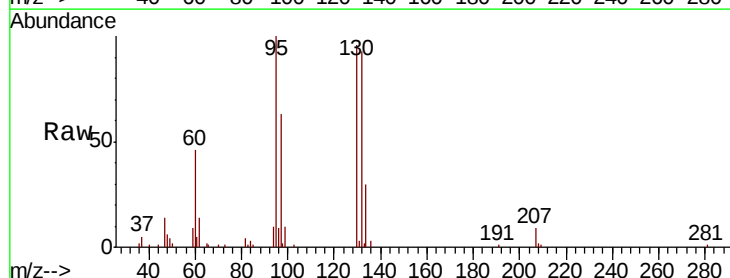
Acq: 28 Feb 2020 11:05

Tgt Ion: 130 Resp: 49190

Ion Ratio Lower Upper

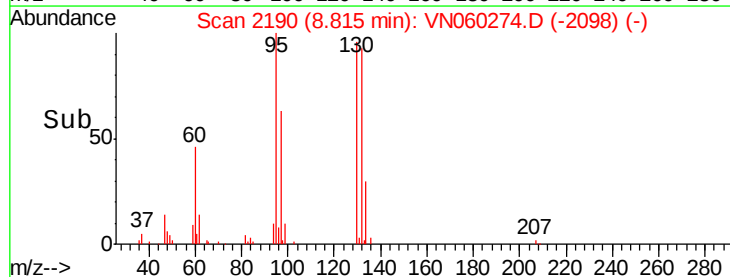
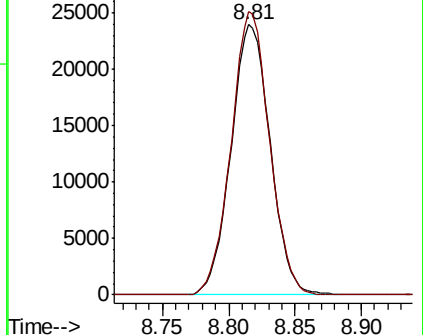
130 100

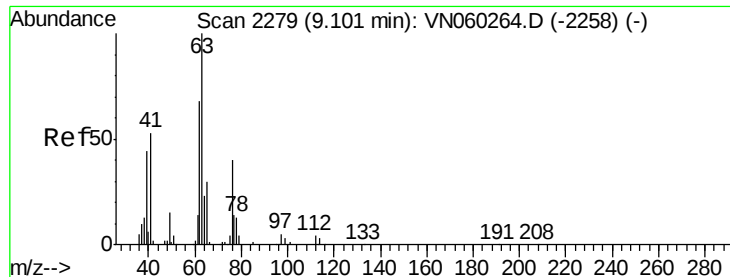
95 104.6 0.0 203.4



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

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

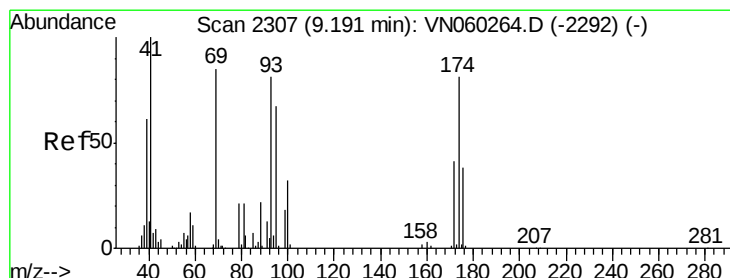
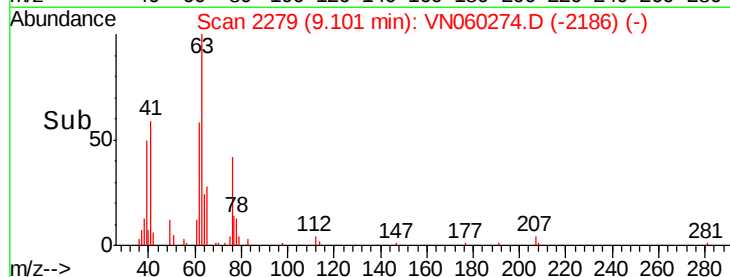
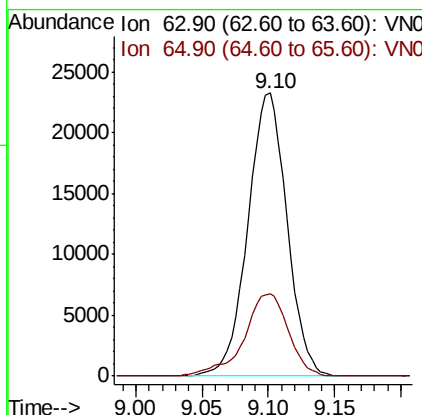
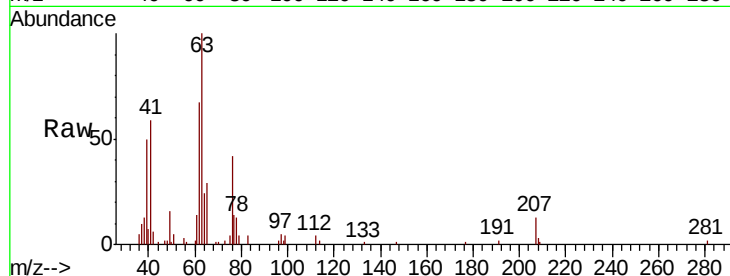




#45
 1,2-Dichloropropane
 Concen: 18.751 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

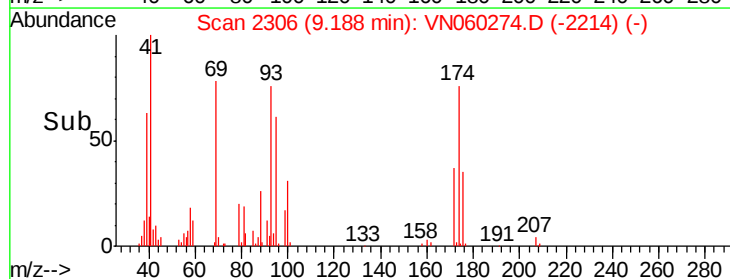
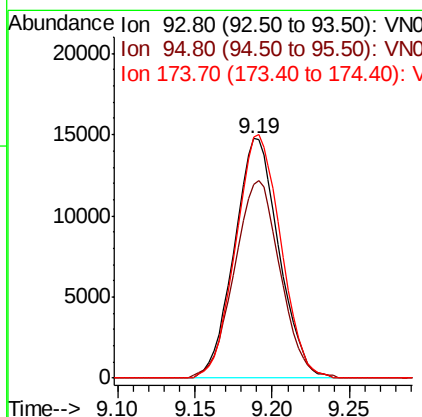
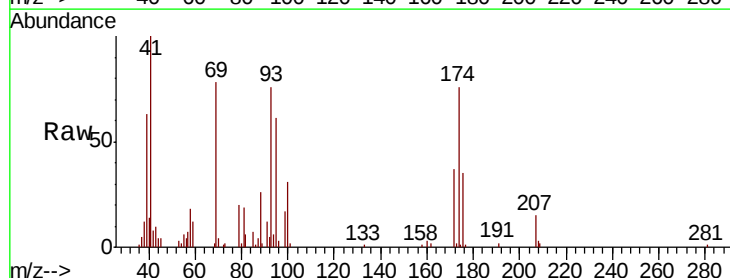
Instrument :
 MSVOA_N
 ClientSampled :

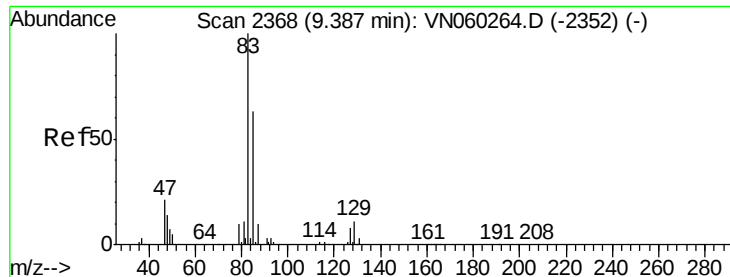
Tot Ion: 63 Resp: 47919
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.4 36.6



#46
 Dibromomethane
 Concen: 17.879 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Tgt Ion: 93 Resp: 29648
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.9 98.9
 174 102.3 79.6 119.4





#47

Bromodichloromethane

Concen: 18.400 ug/l

RT: 9.38 min Scan# 2367

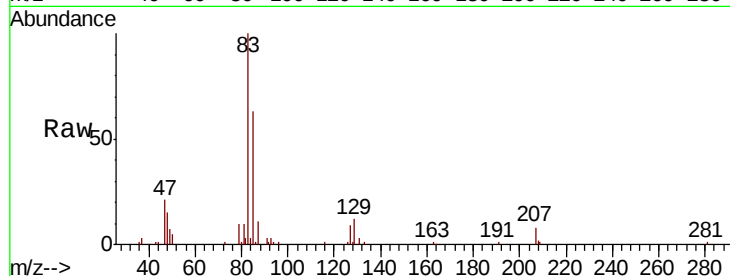
Delta R.T. -0.00 min

Lab File: VN060274.D

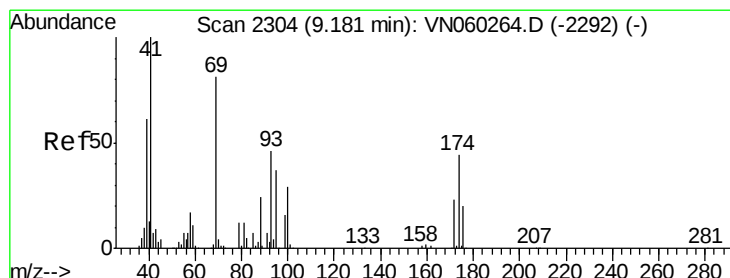
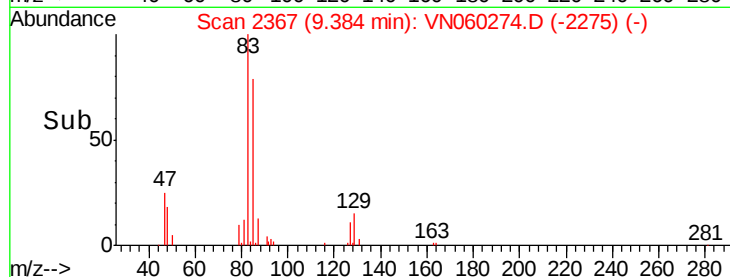
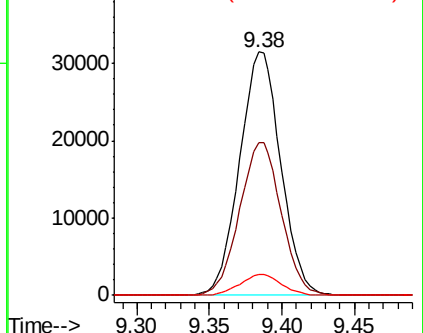
Acq: 28 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	83	Resp:	62057
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.7	76.1
127	8.6	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: 16.828 ug/l

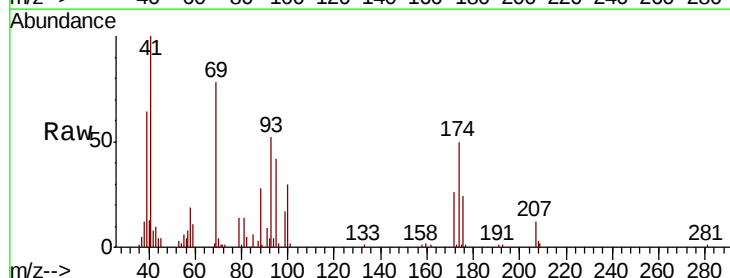
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

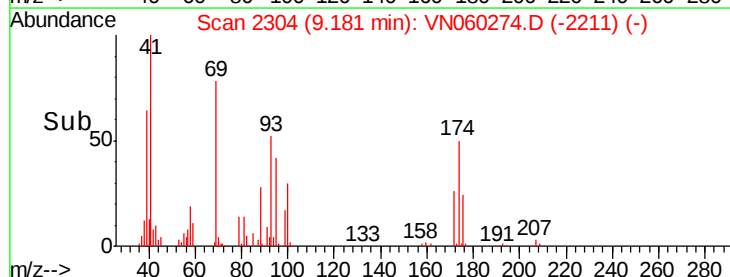
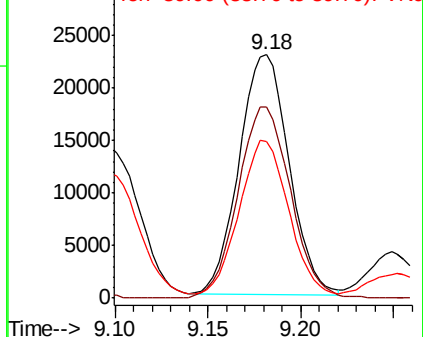
Lab File: VN060274.D

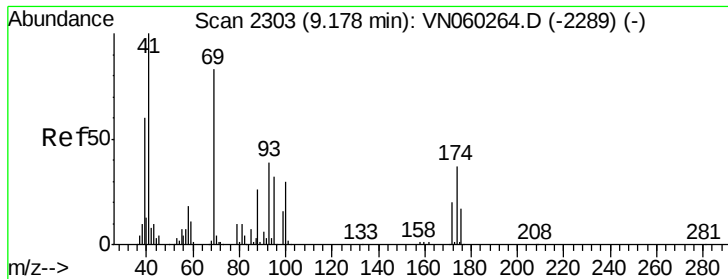
Acq: 28 Feb 2020 11:05

Tgt Ion:	41	Resp:	42719
Ion	Ratio	Lower	Upper
41	100		
69	83.8	66.7	100.1
39	66.3	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

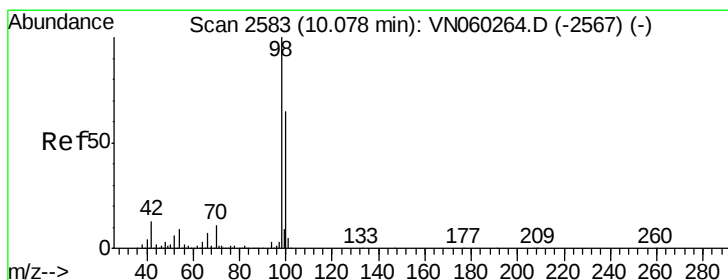
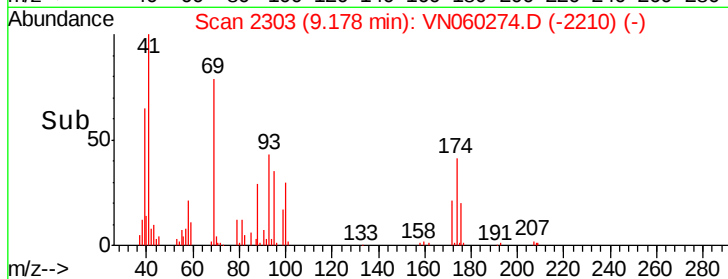
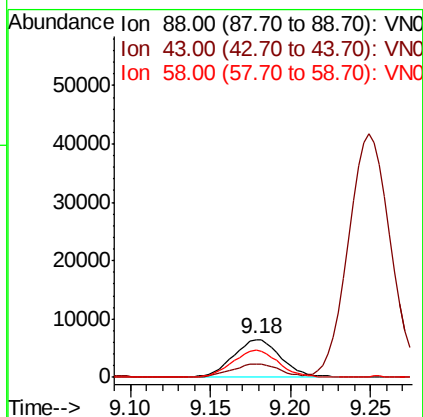
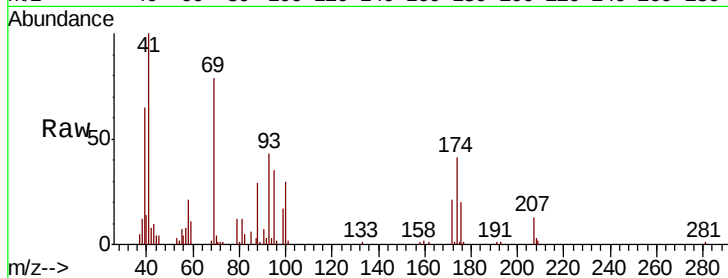




#49
1,4-Dioxane
Concen: 367.595 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

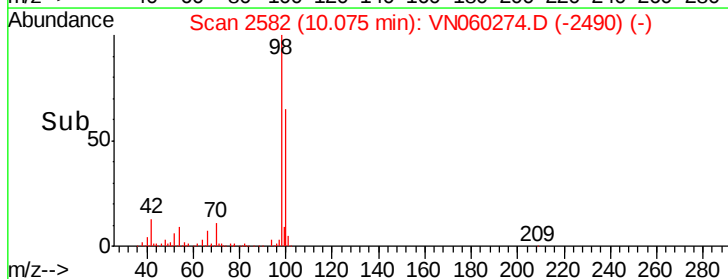
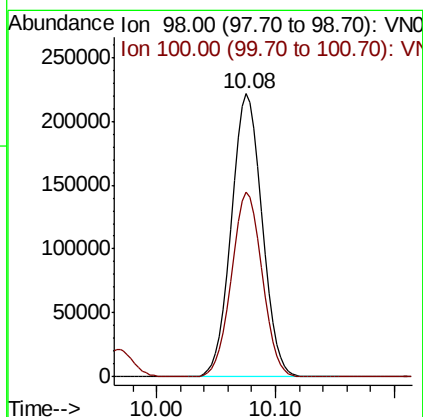
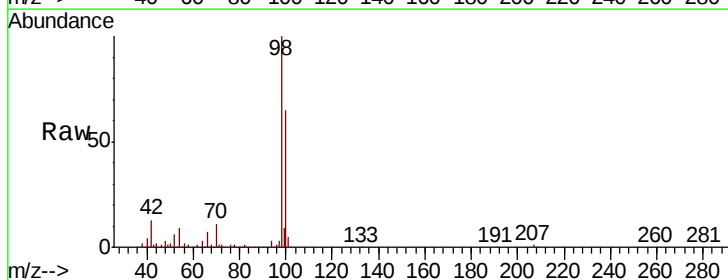
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 13123
Ion Ratio Lower Upper
88 100
43 36.1 30.4 45.6
58 69.1 57.0 85.6



#50
Toluene-d8
Concen: 48.032 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion: 98 Resp: 397612
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 87.949 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

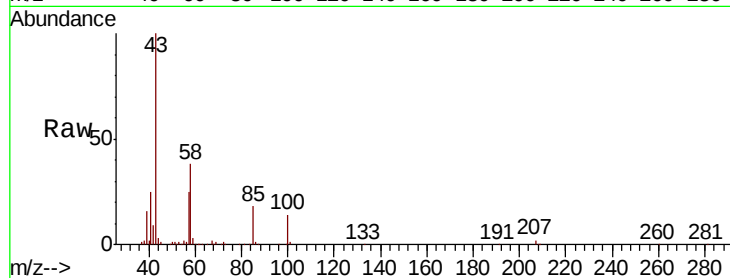
ClientSampleId :

Tot Ion: 43 Resp: 277599

Ion Ratio Lower Upper

43 100

58 38.3 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

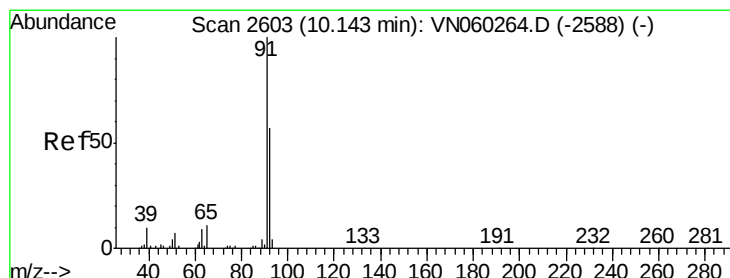
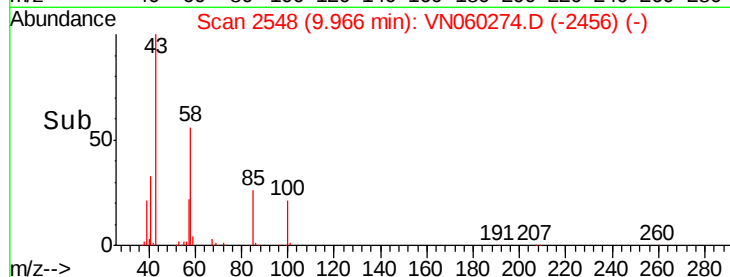
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 17.935 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060274.D

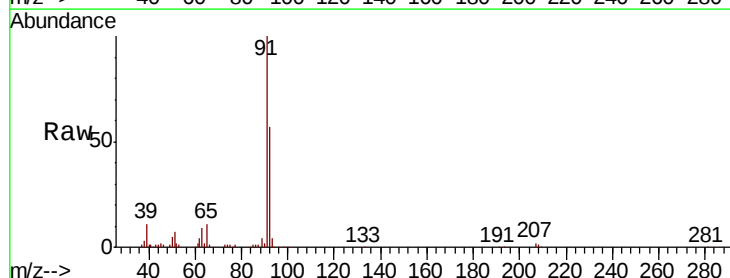
Acq: 28 Feb 2020 11:05

Tgt Ion: 92 Resp: 110119

Ion Ratio Lower Upper

92 100

91 174.0 138.1 207.1



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

120000

100000

80000

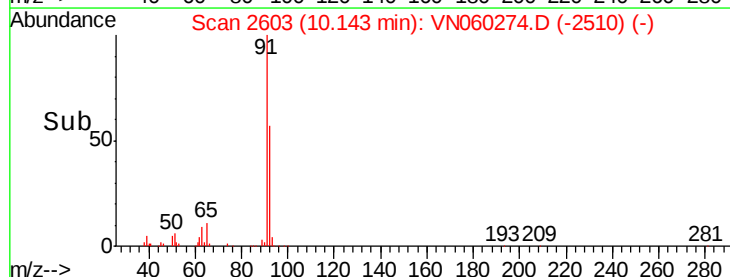
60000

40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.613 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

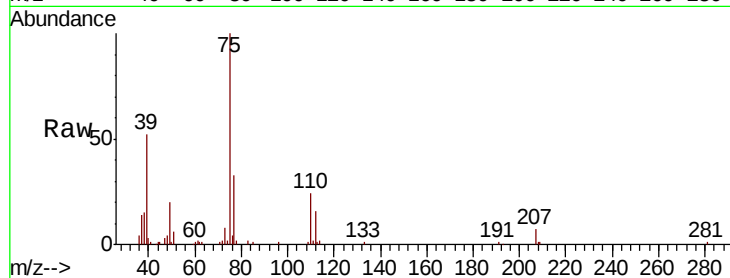
ClientSampleId :

Tot Ion: 75 Resp: 72784

Ion Ratio Lower Upper

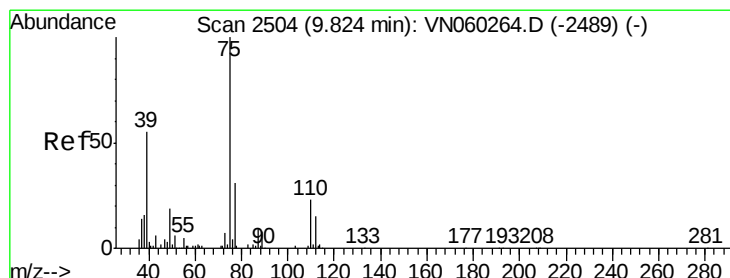
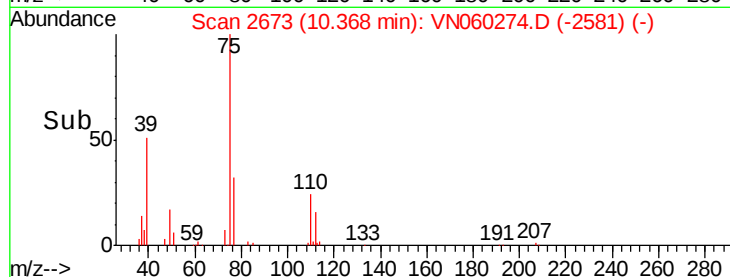
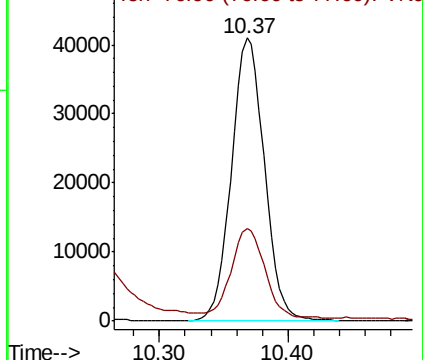
75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.133 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

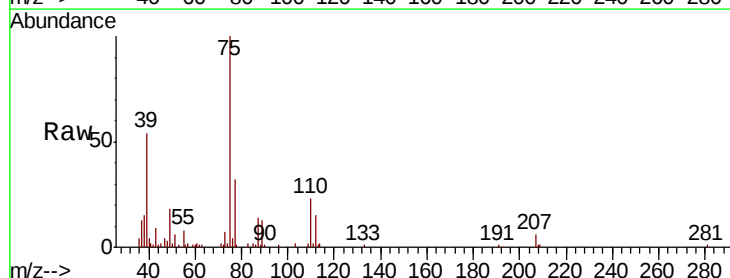
Tgt Ion: 75 Resp: 77648

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

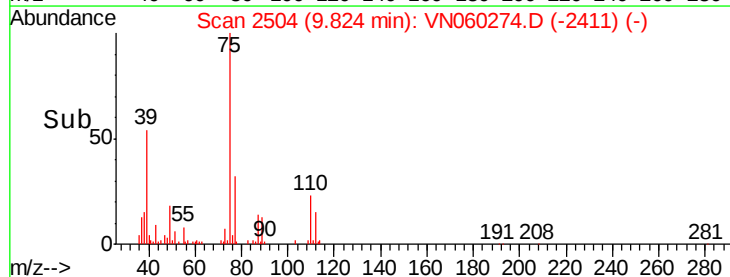
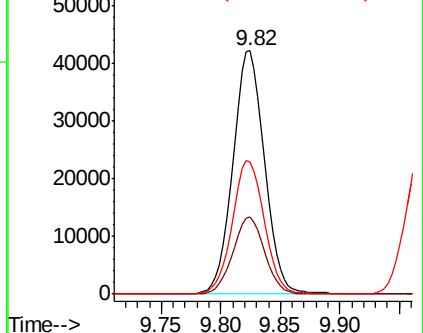
39 54.4 43.8 65.8

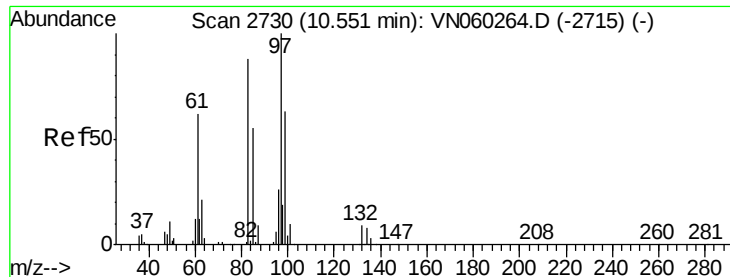


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

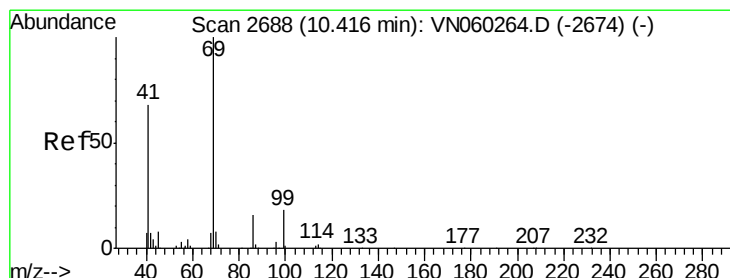
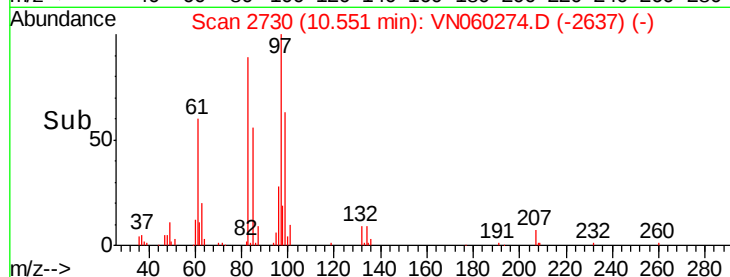
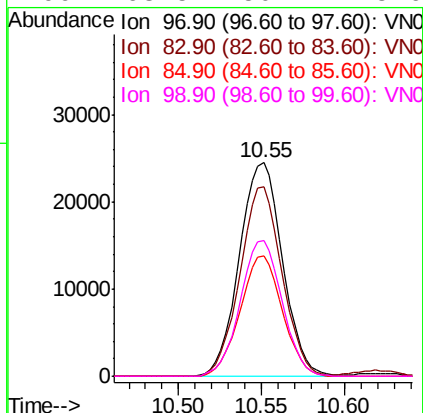
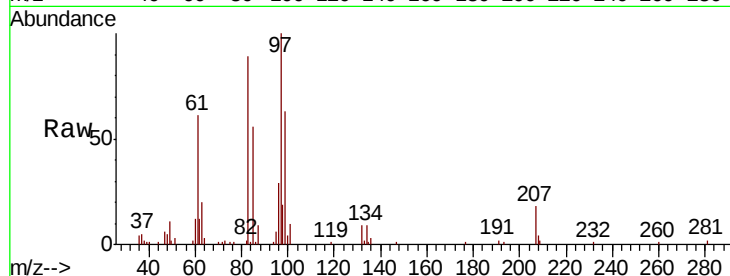




#55
 1,1,2-Trichloroethane
 Concen: 17.947 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

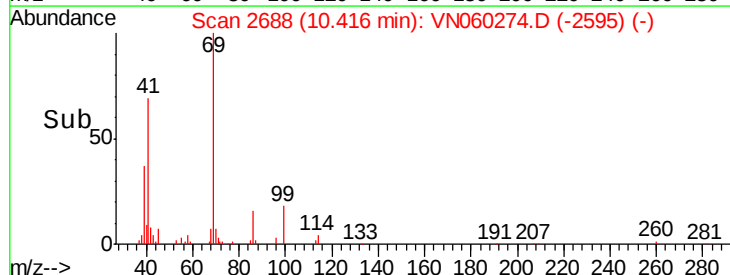
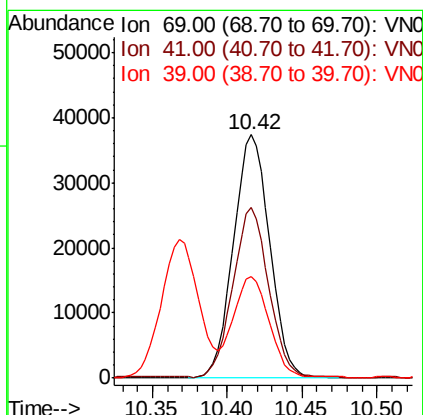
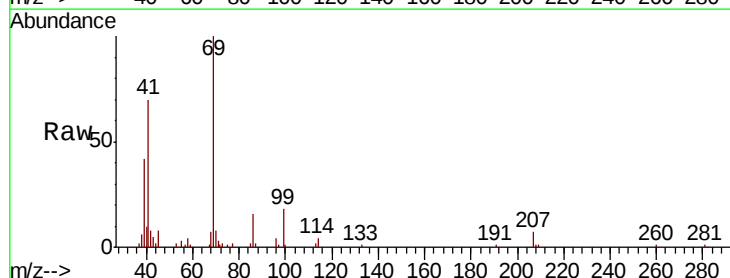
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 44314
 Ion Ratio Lower Upper
 97 100
 83 88.6 70.0 105.0
 85 56.4 44.0 66.0
 99 63.5 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 17.767 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Tgt Ion: 69 Resp: 63027
 Ion Ratio Lower Upper
 69 100
 41 69.9 54.1 81.1
 39 42.4 32.5 48.7





#57

1,3-Dichloropropane

Concen: 18.438 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

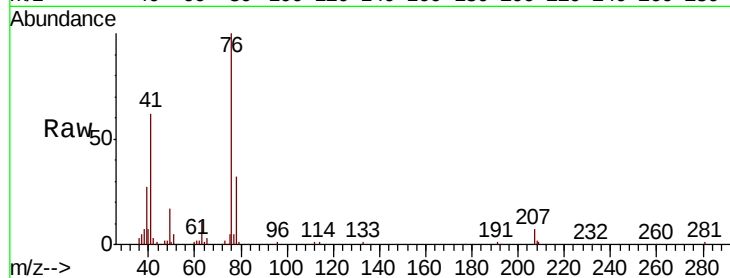
ClientSampleId :

Tot Ion: 76 Resp: 74247

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.2

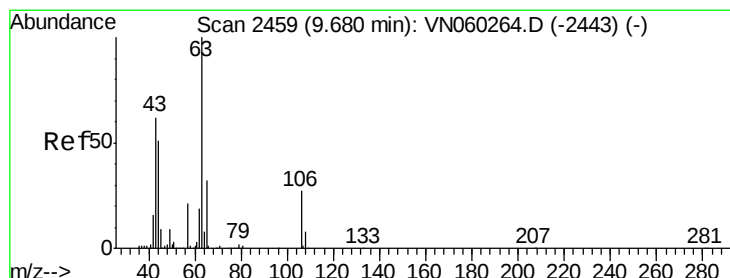
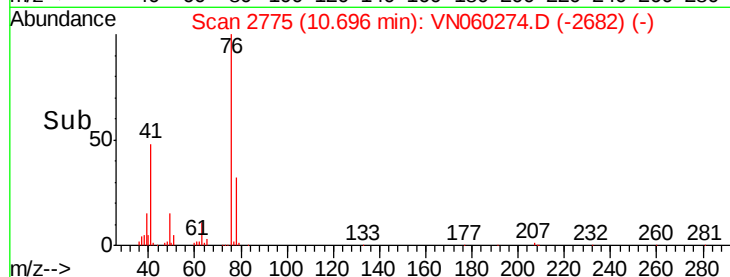


Abundance Ion 75.90 (75.60 to 76.60): VN060274.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060274.D (-2682) (-)

10.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 90.329 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060274.D

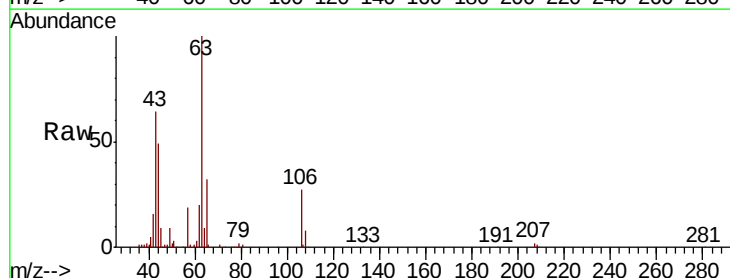
Acq: 28 Feb 2020 11:05

Tgt Ion: 63 Resp: 167585

Ion Ratio Lower Upper

63 100

106 26.4 21.1 31.7

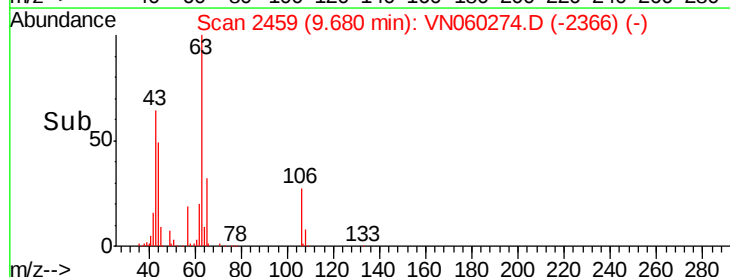


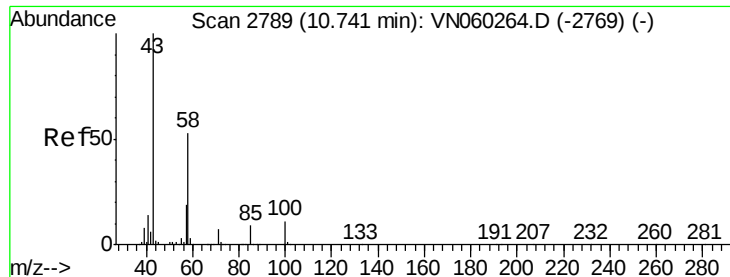
Abundance Ion 62.90 (62.60 to 63.60): VN060274.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060274.D (-2366) (-)

9.68

Time-->

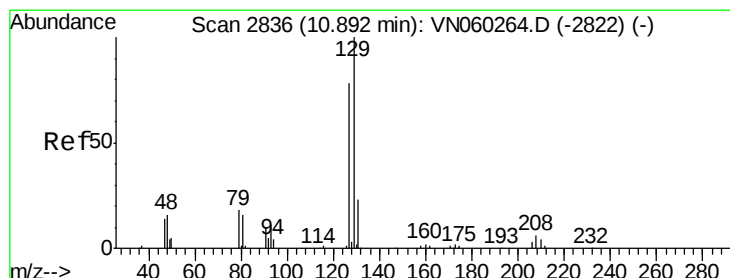
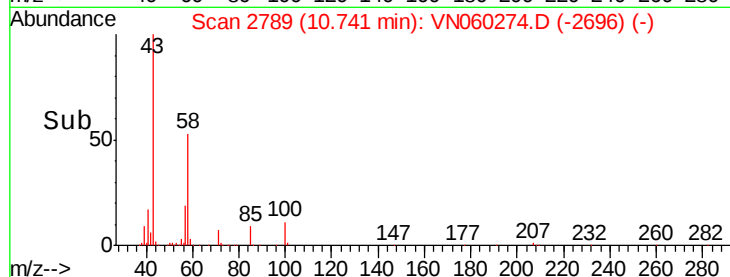
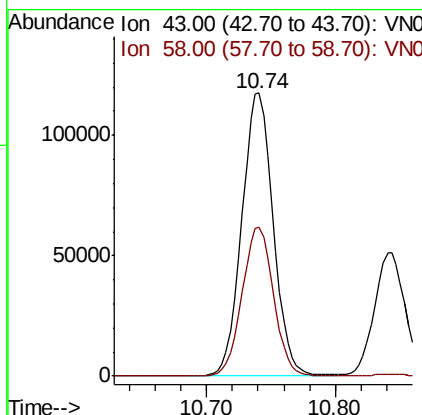
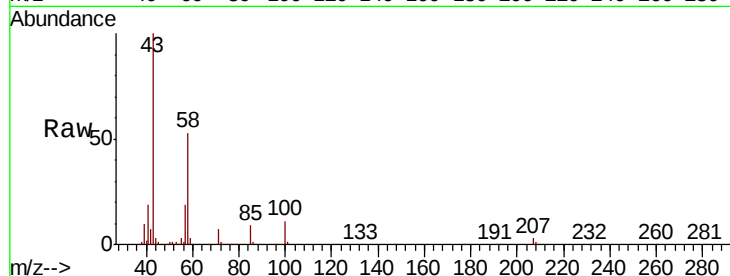




#59
2-Hexanone
Concen: 86.057 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

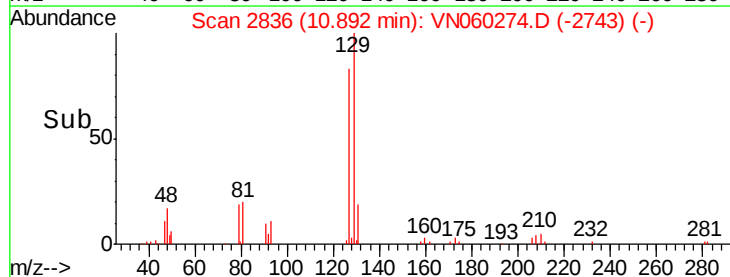
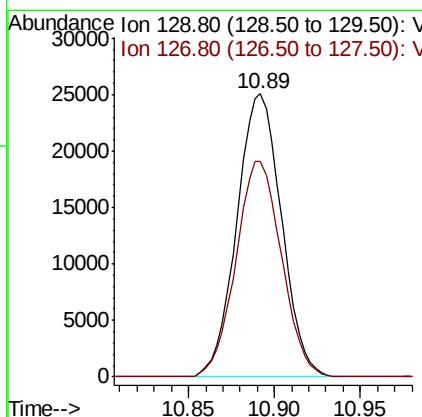
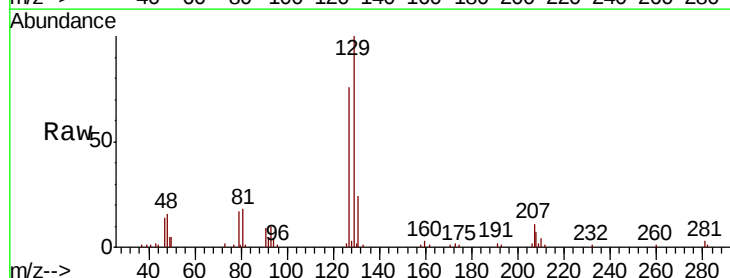
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 199436
Ion Ratio Lower Upper
43 100
58 52.6 26.5 79.5



#60
Dibromochloromethane
Concen: 17.970 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion: 129 Resp: 45123
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.628 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

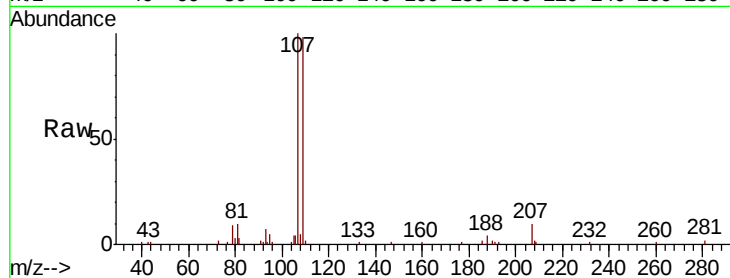
ClientSampled :

Tot Ion:107 Resp: 42430

Ion Ratio Lower Upper

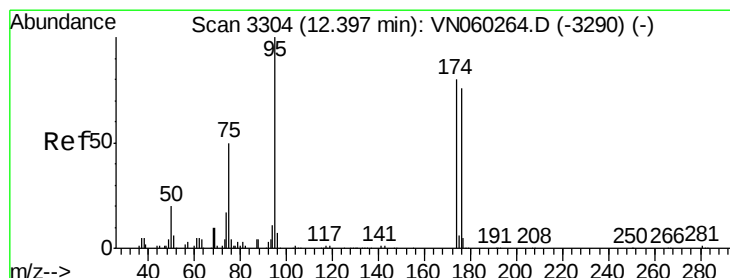
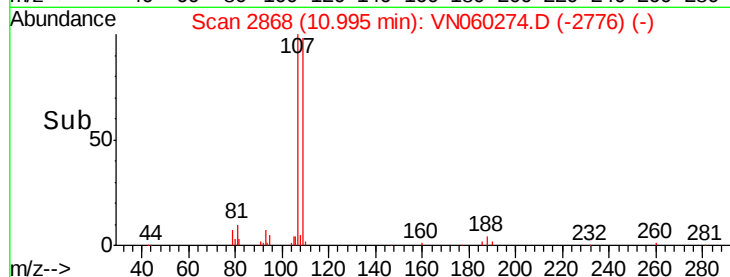
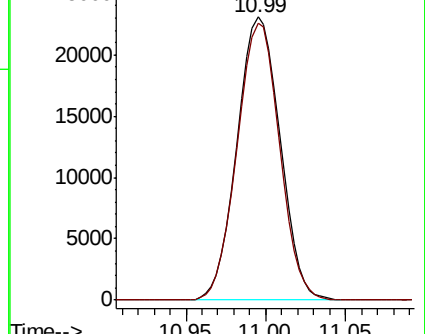
107 100

109 96.1 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.294 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

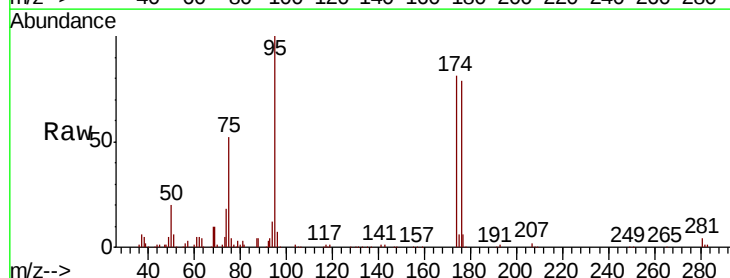
Tgt Ion: 95 Resp: 148409

Ion Ratio Lower Upper

95 100

174 81.2 0.0 159.2

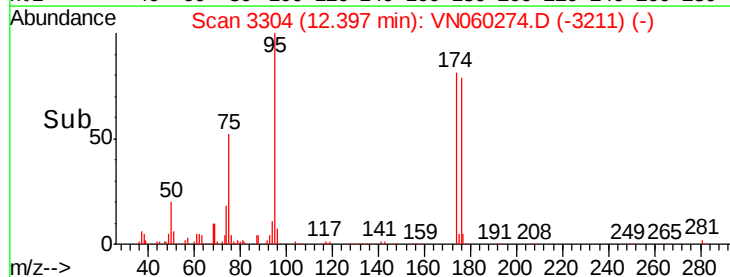
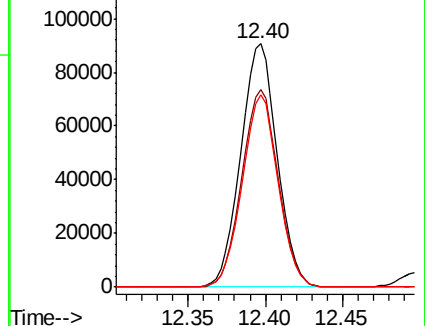
176 77.9 0.0 153.8

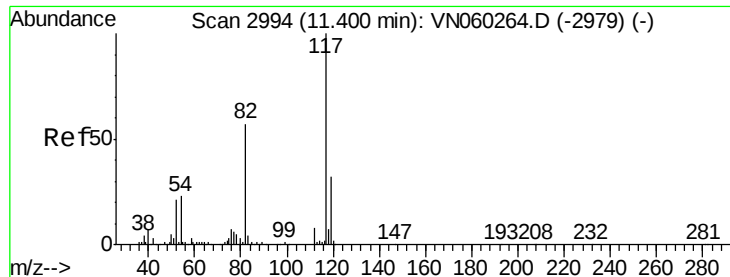


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

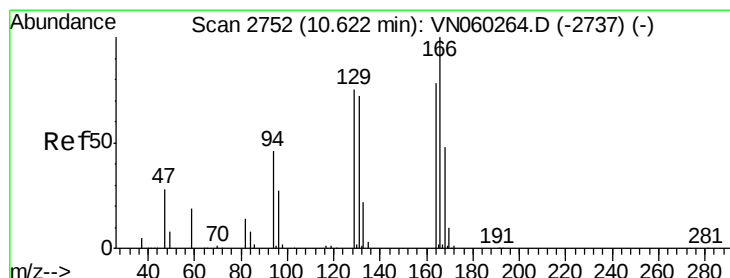
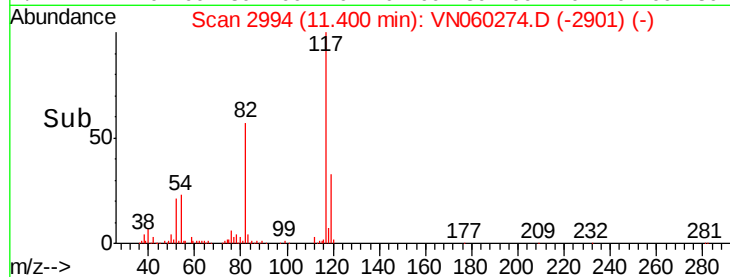
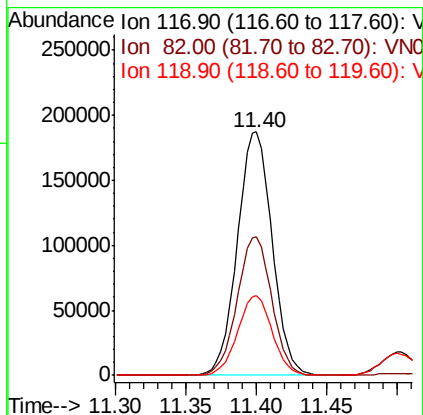
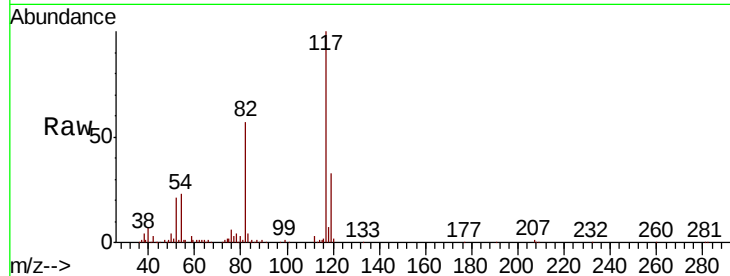




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

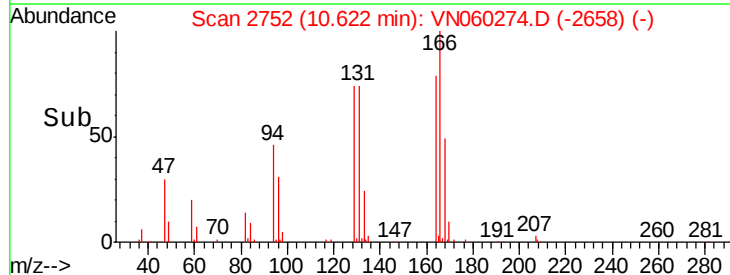
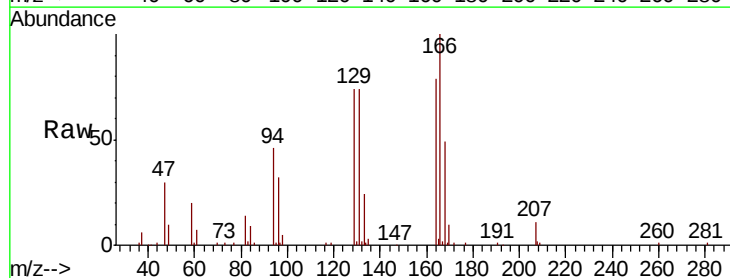
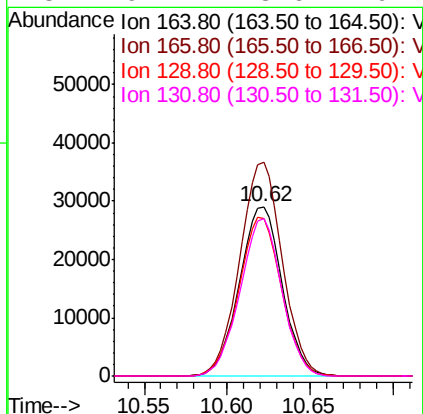
Instrument :
MSVOA_N
ClientSampleId :

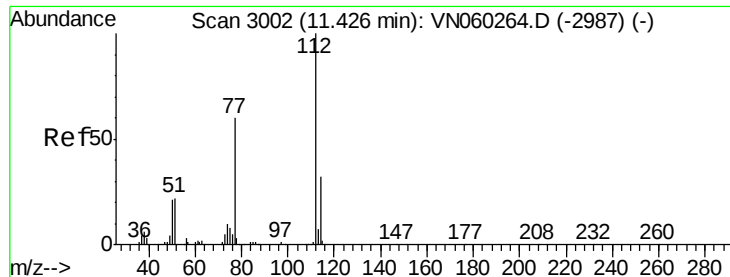
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.6
119	32.6	25.8	38.8



#64
Tetrachloroethene
Concen: 19.488 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.0	153.0
129	92.7	76.4	114.6
131	92.7	73.6	110.4





#65

Chlorobenzene

Concen: 17.767 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

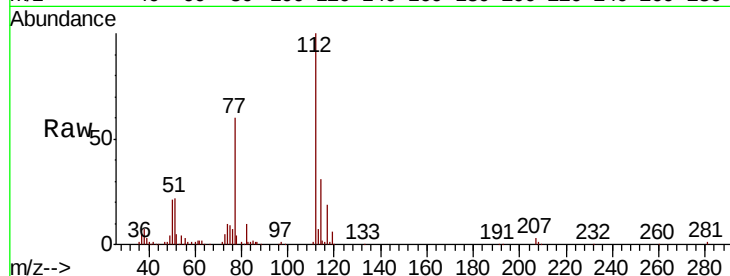
ClientSampled :

Tot Ion:112 Resp: 116101

Ion Ratio Lower Upper

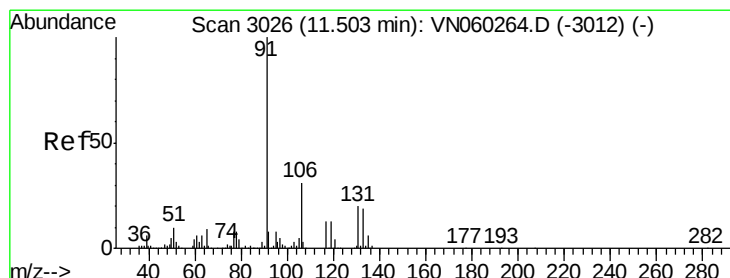
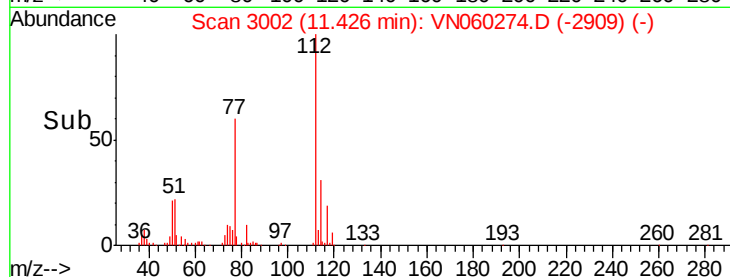
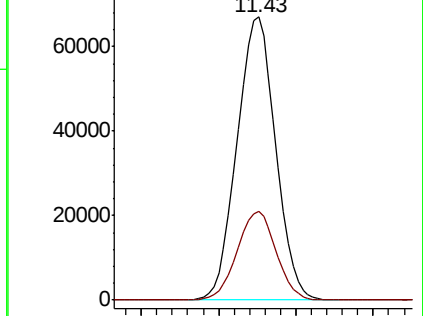
112 100

114 31.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.101 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

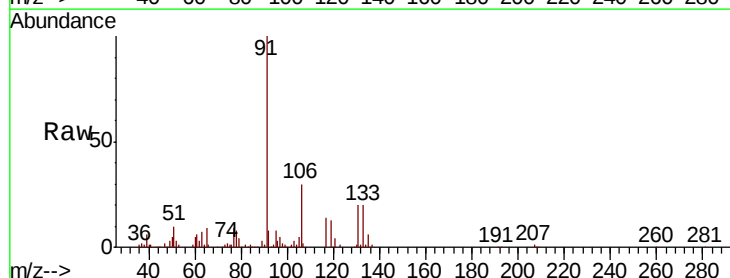
Tgt Ion:131 Resp: 43734

Ion Ratio Lower Upper

131 100

133 96.6 47.7 143.1

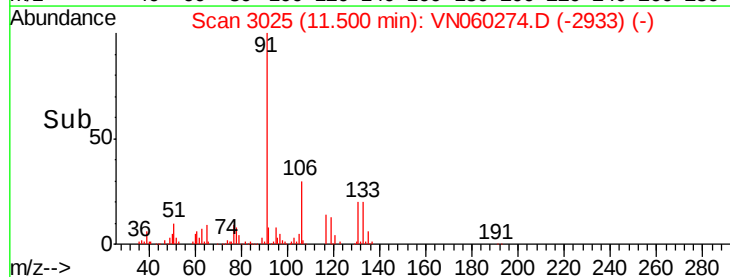
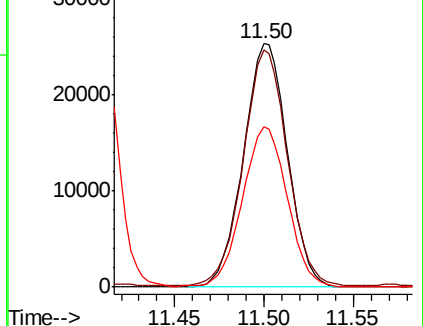
119 67.3 33.2 99.6

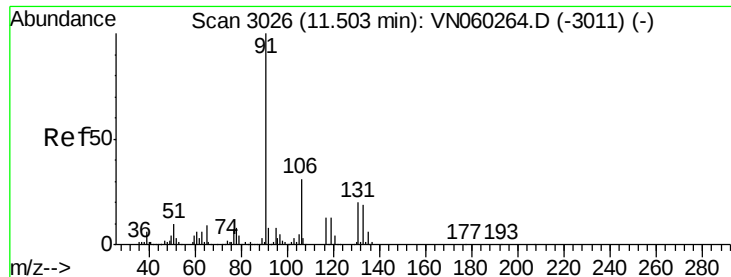


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.249 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

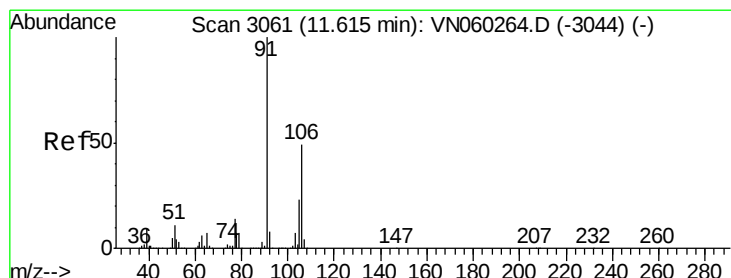
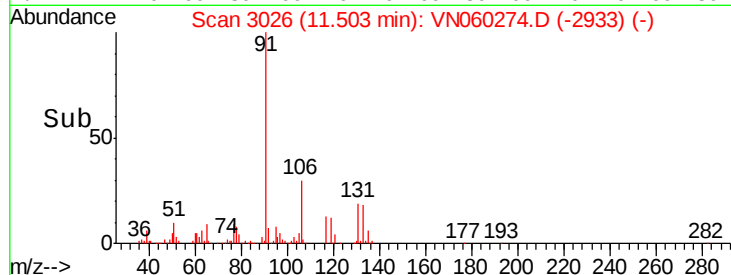
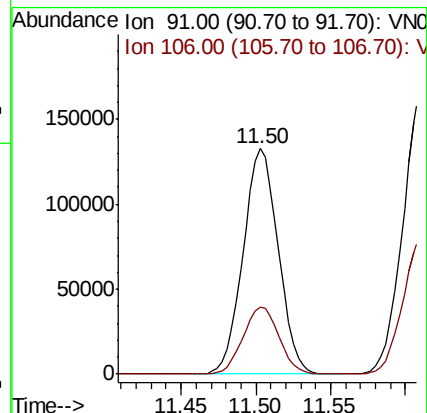
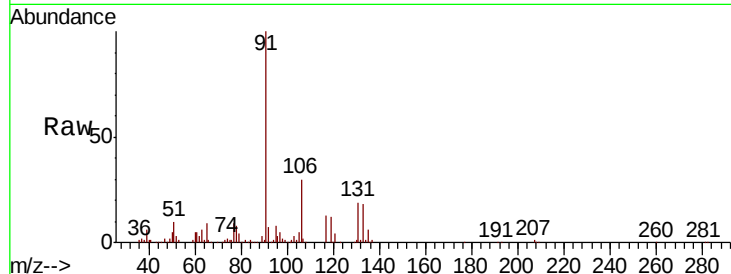
ClientSampleId :

Tot Ion: 91 Resp: 217162

Ion Ratio Lower Upper

91 100

106 30.0 24.7 37.1



#68

m/p-Xylenes

Concen: 36.036 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060274.D

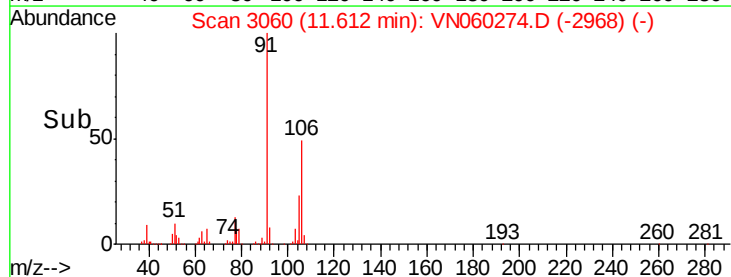
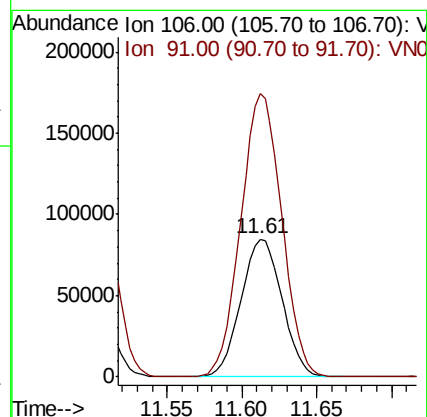
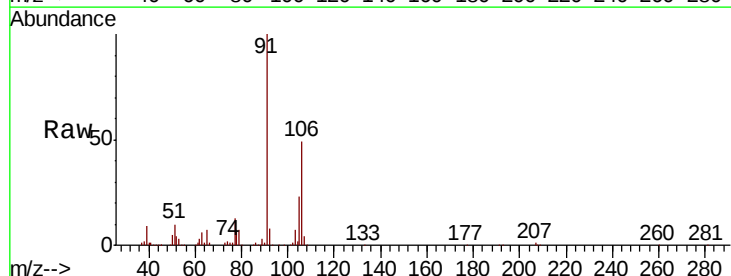
Acq: 28 Feb 2020 11:05

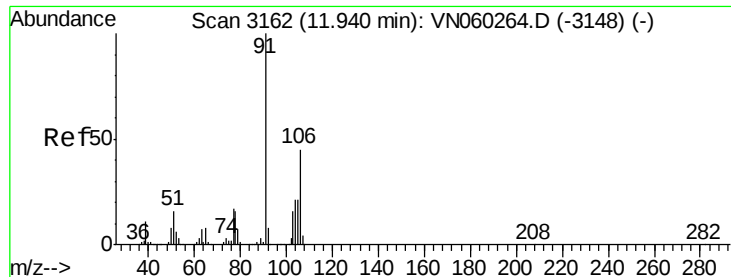
Tgt Ion: 106 Resp: 161794

Ion Ratio Lower Upper

106 100

91 205.6 164.5 246.7

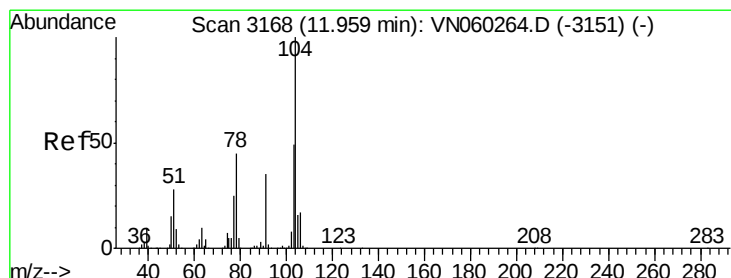
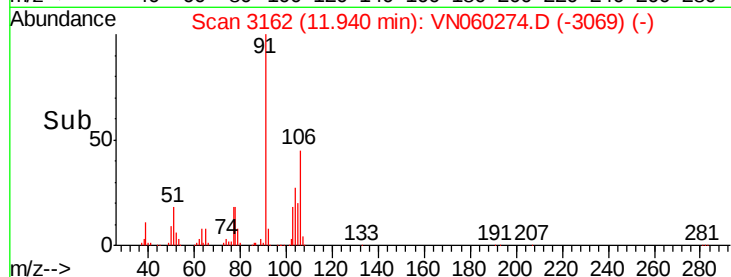
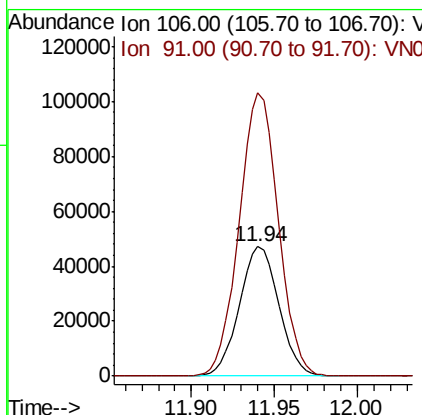
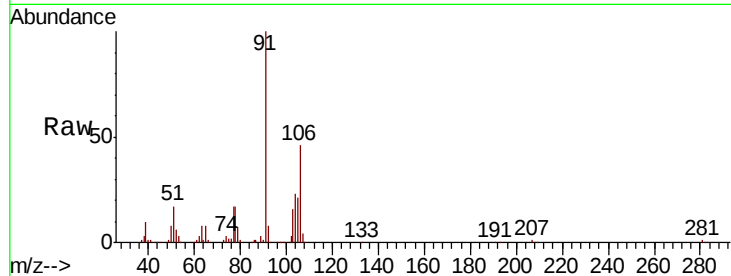




#69
o-Xylene
Concen: 18.219 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

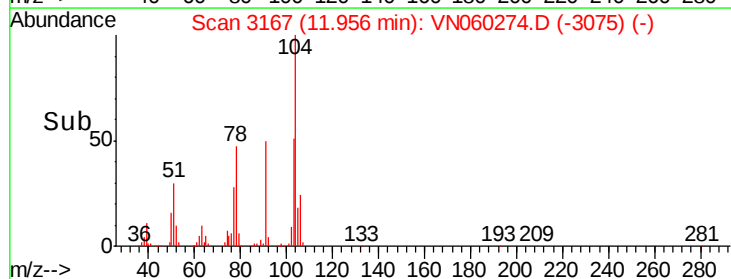
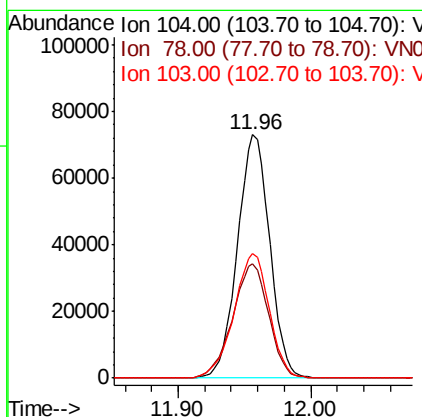
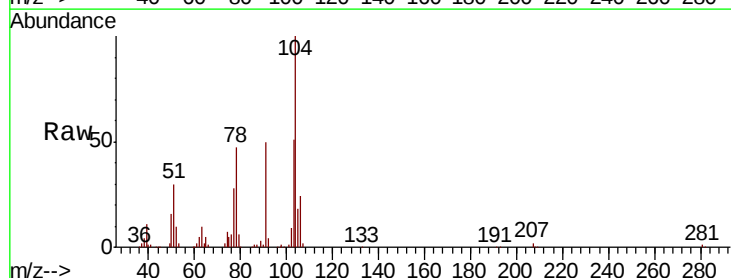
Instrument :
MSVOA_N
ClientSampled :

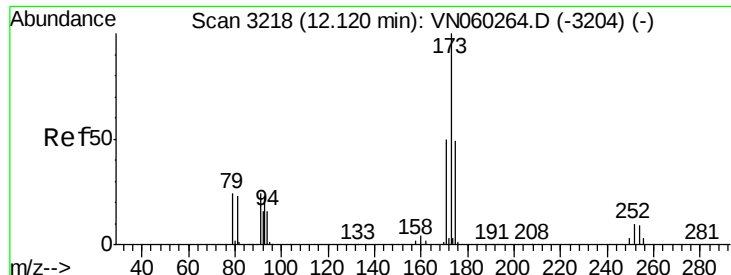
Tot Ion:106 Resp: 78005
Ion Ratio Lower Upper
106 100
91 216.7 109.5 328.4



#70
Styrene
Concen: 17.571 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion:104 Resp: 123684
Ion Ratio Lower Upper
104 100
78 52.5 41.2 61.8
103 55.9 43.9 65.9





#71

Bromoform

Concen: 17.478 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

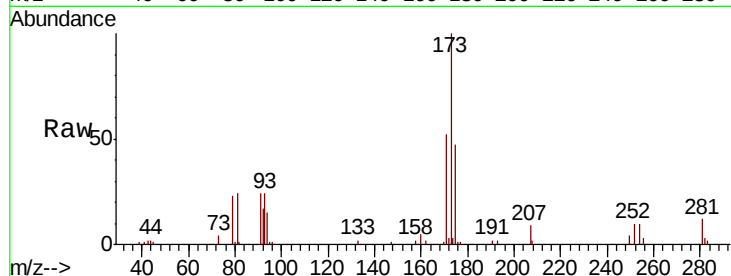
Tot Ion:173 Resp: 30435

Ion Ratio Lower Upper

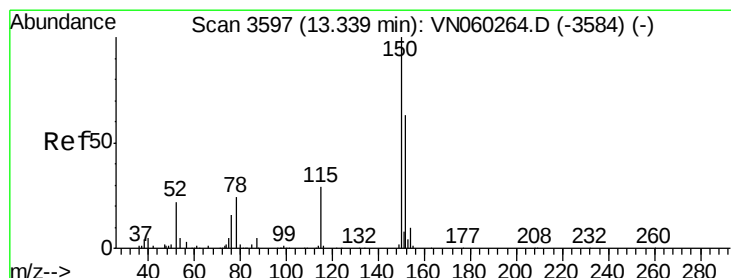
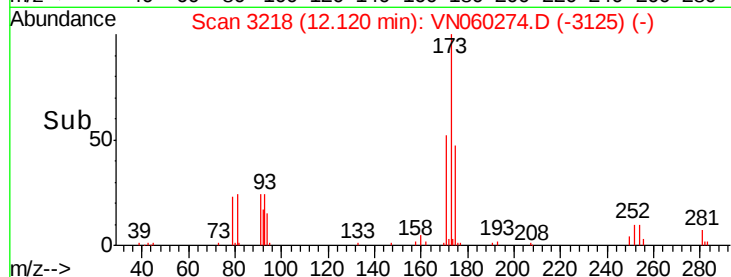
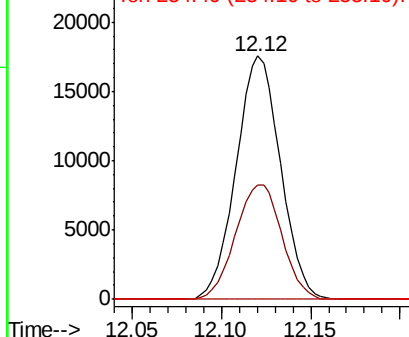
173 100

175 49.2 24.1 72.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

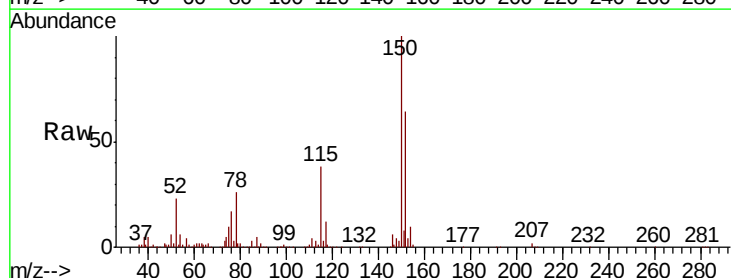
Tgt Ion:152 Resp: 156402

Ion Ratio Lower Upper

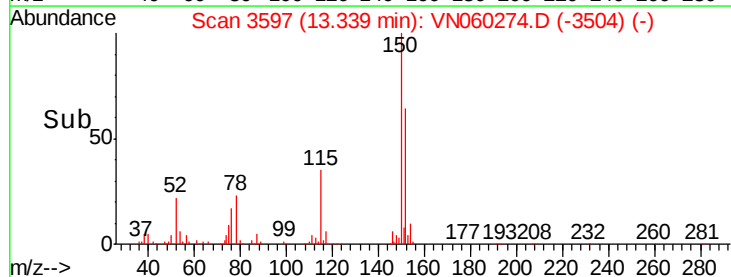
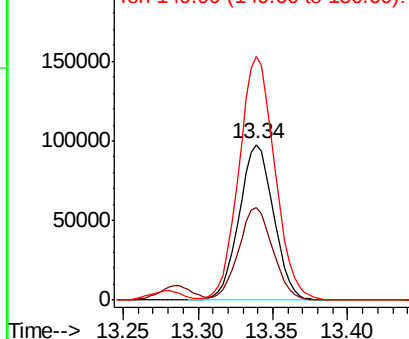
152 100

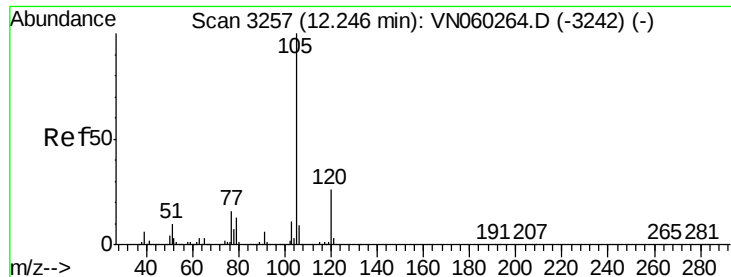
115 59.4 30.0 90.0

150 163.2 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: 18.009 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

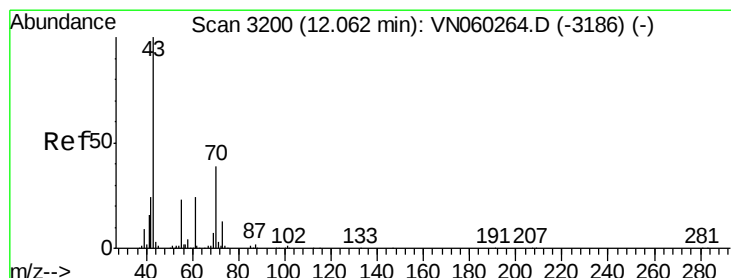
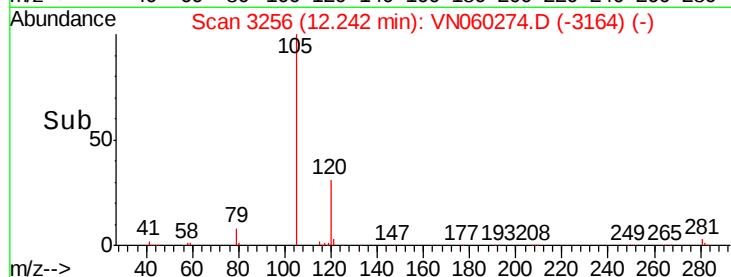
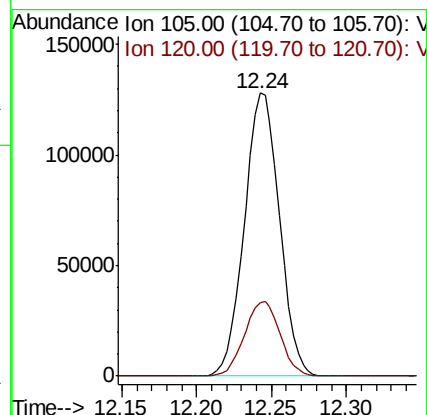
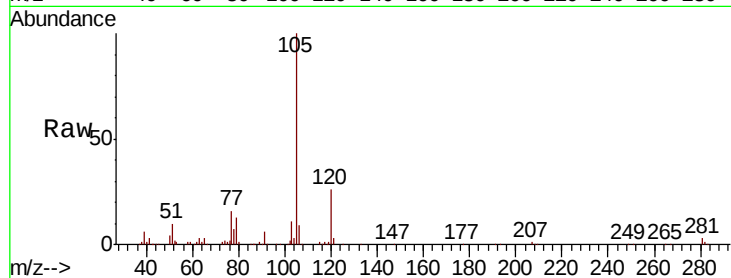
ClientSampled :

Tot Ion: 105 Resp: 208761

Ion Ratio Lower Upper

105 100

120 26.7 13.0 38.9



#74

N-ethyl acetate

Concen: 16.896 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Tgt Ion: 43 Resp: 85588

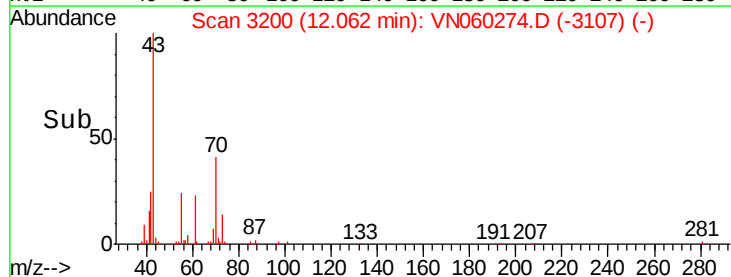
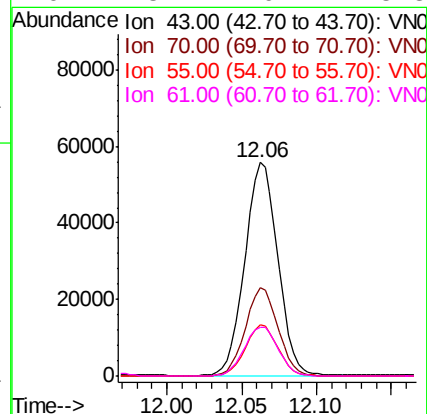
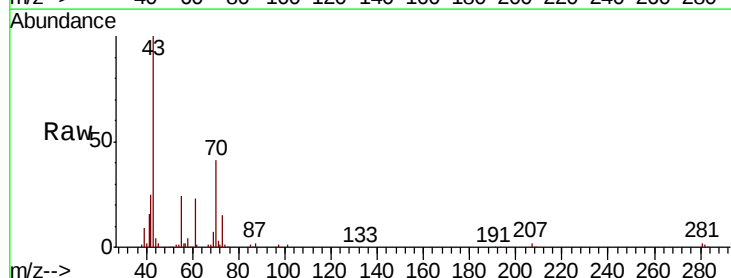
Ion Ratio Lower Upper

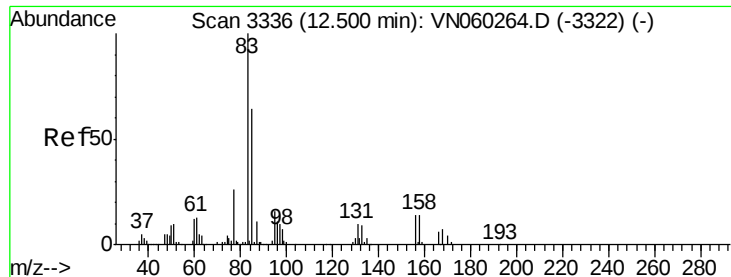
43 100

70 40.8 32.2 48.2

55 23.8 18.2 27.4

61 23.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 17.800 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

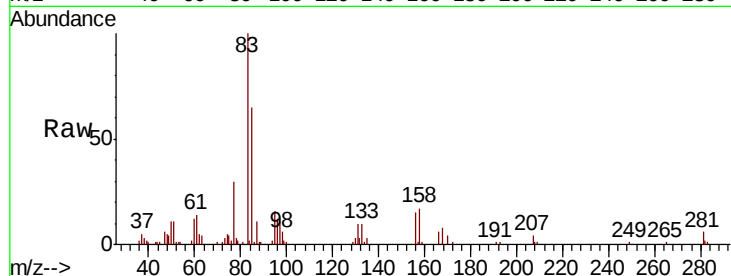
Tot Ion: 83 Resp: 56088

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

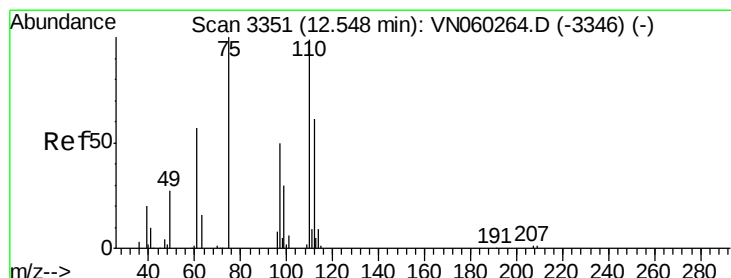
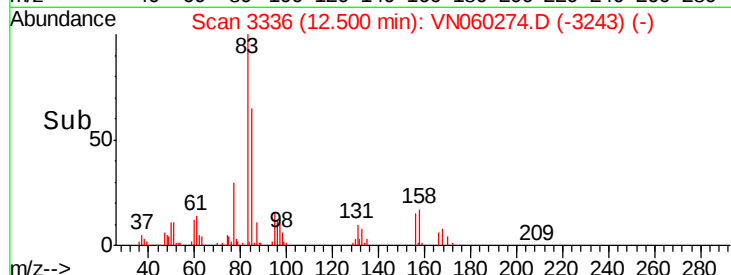
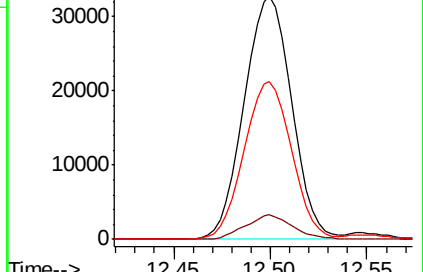
85 64.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060274.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060274.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060274.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 23.884 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060274.D

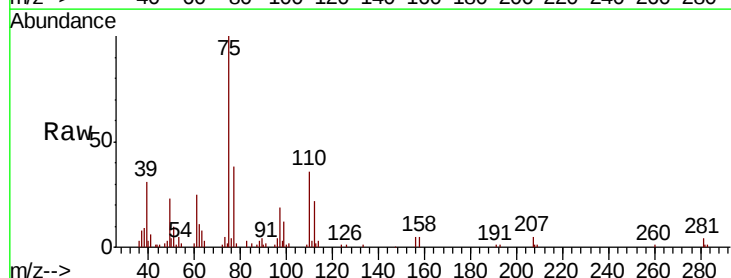
Acq: 28 Feb 2020 11:05

Tgt Ion: 75 Resp: 81958

Ion Ratio Lower Upper

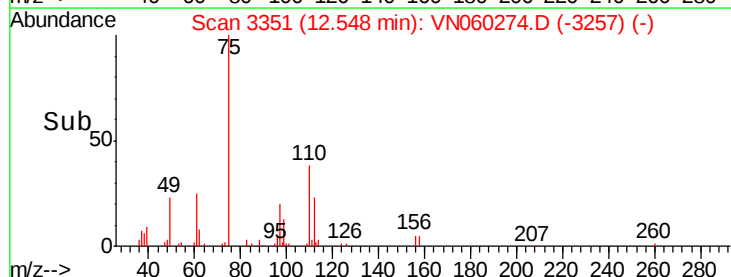
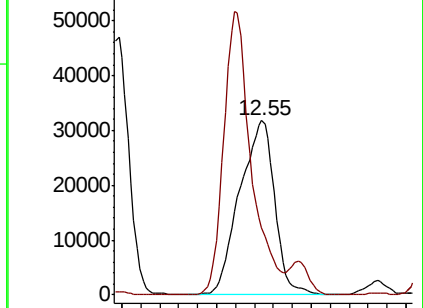
75 100

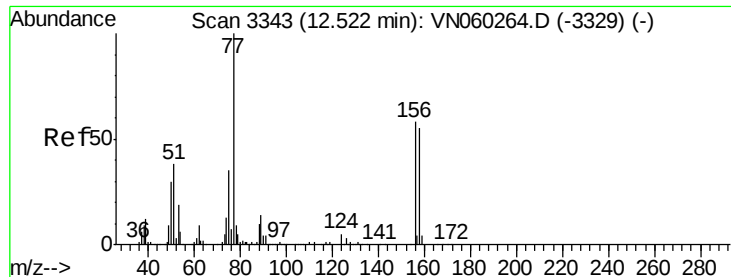
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060274.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060274.D (-3257) (-)





#77

Bromobenzene

Concen: 17.857 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

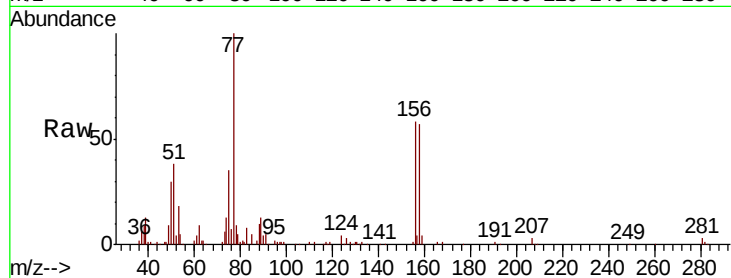
Tot Ion:156 Resp: 50741

Ion Ratio Lower Upper

156 100

77 206.7 106.1 318.3

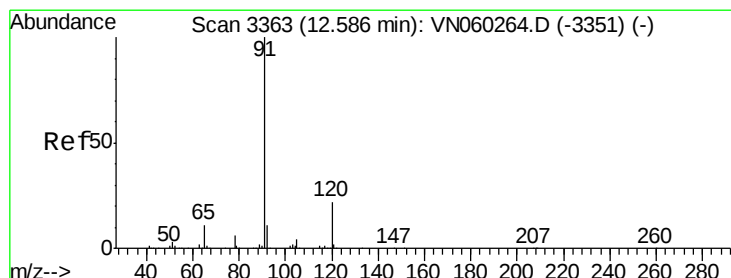
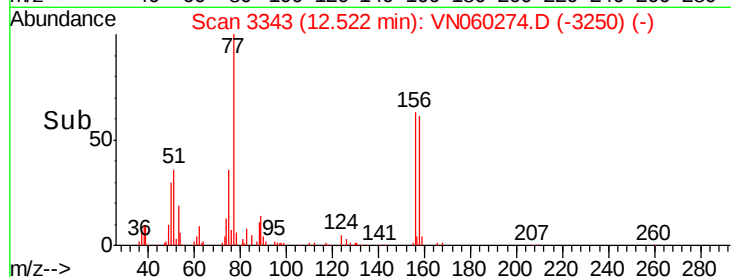
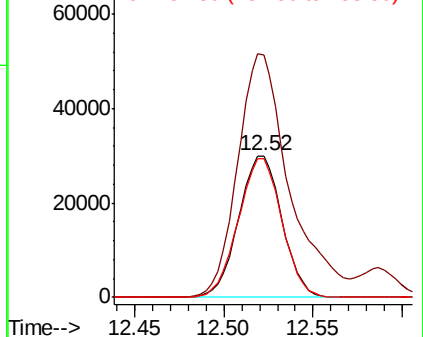
158 99.1 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.979 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060274.D

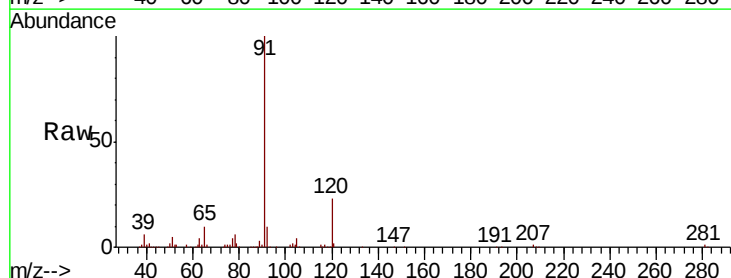
Acq: 28 Feb 2020 11:05

Tgt Ion: 91 Resp: 244299

Ion Ratio Lower Upper

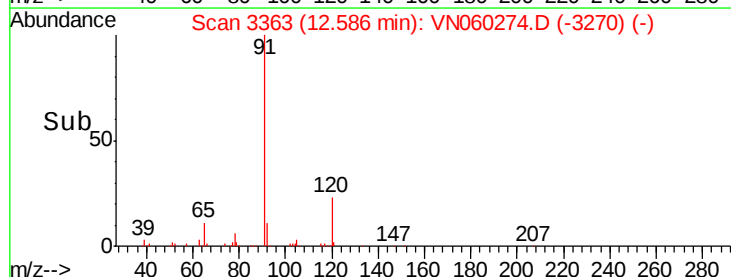
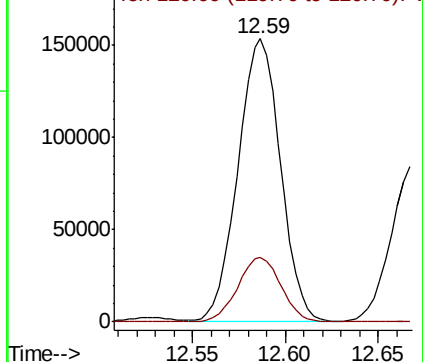
91 100

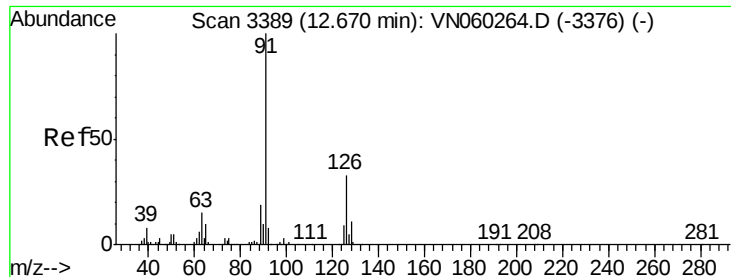
120 23.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.902 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

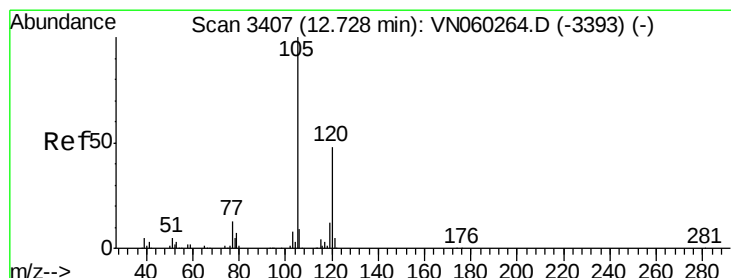
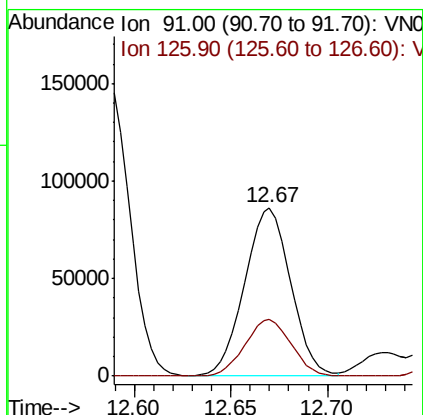
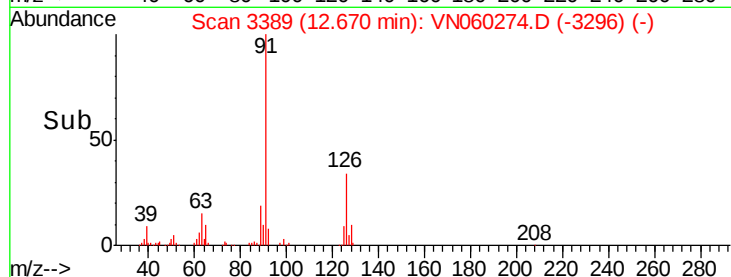
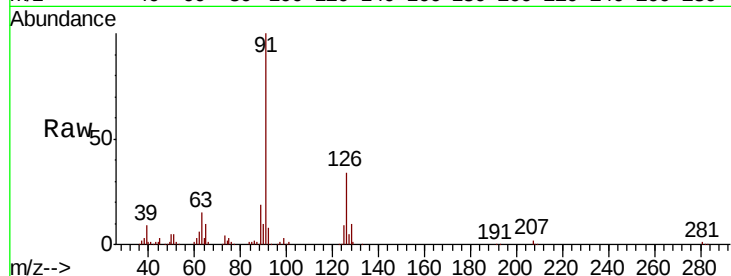
ClientSampleId :

Tot Ion: 91 Resp: 142992

Ion Ratio Lower Upper

91 100

126 33.9 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 18.281 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060274.D

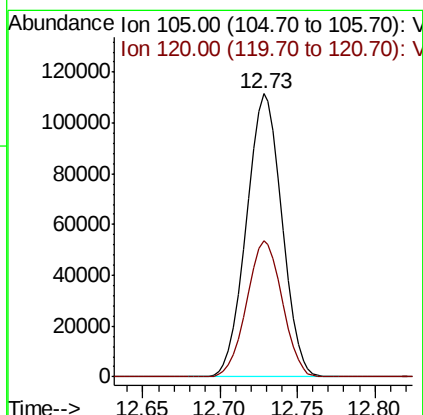
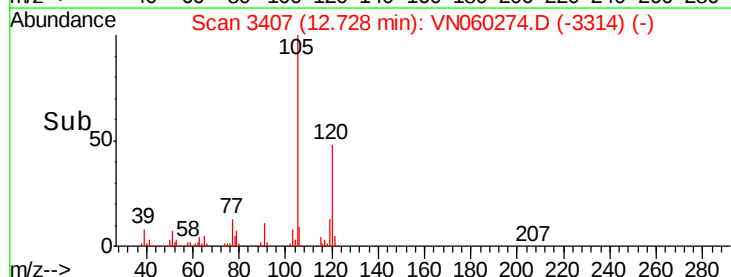
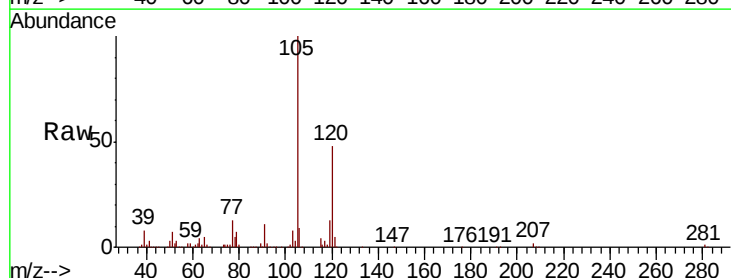
Acq: 28 Feb 2020 11:05

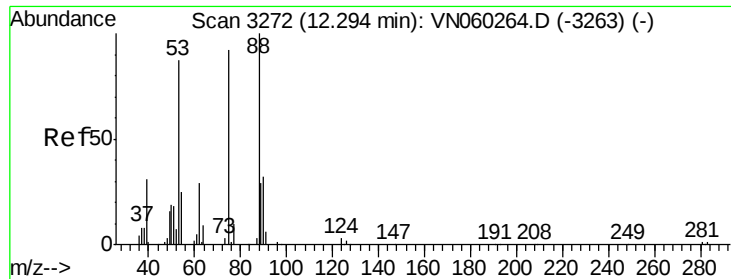
Tgt Ion: 105 Resp: 178430

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.315 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

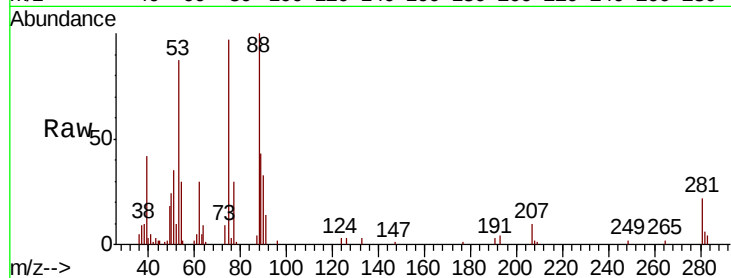
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 21524

Ion	Ratio	Lower	Upper
75	100		
53	94.9	73.8	110.6
89	82.7	57.1	85.7

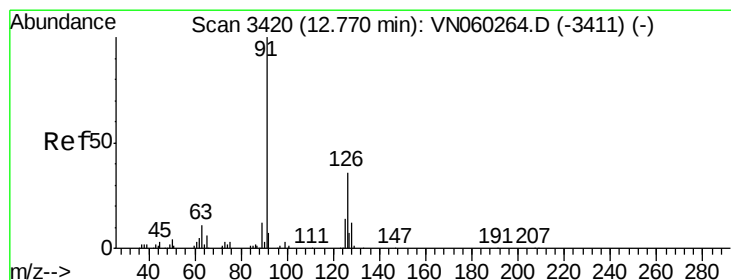
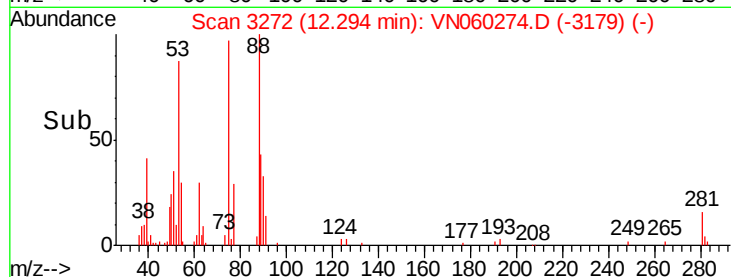
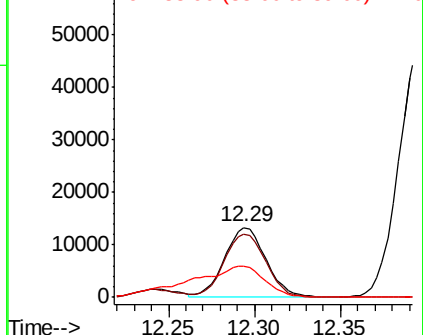


Abundance

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: 17.668 ug/l

RT: 12.77 min Scan# 3420

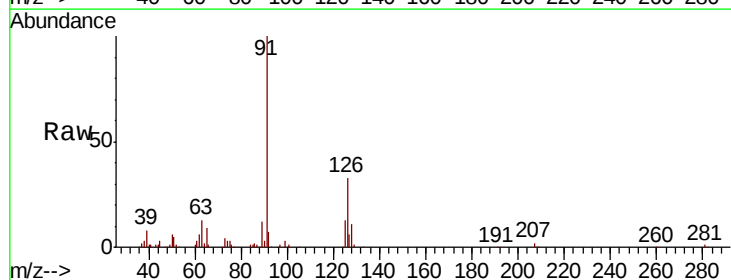
Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Tgt Ion: 91 Resp: 148682

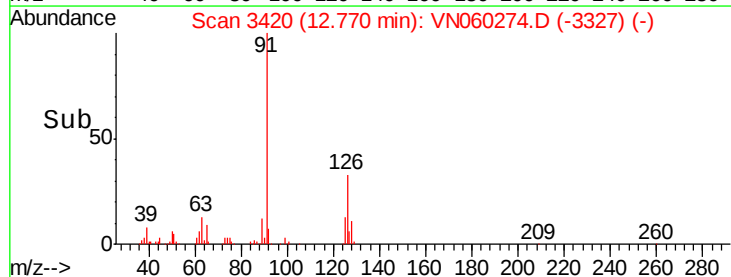
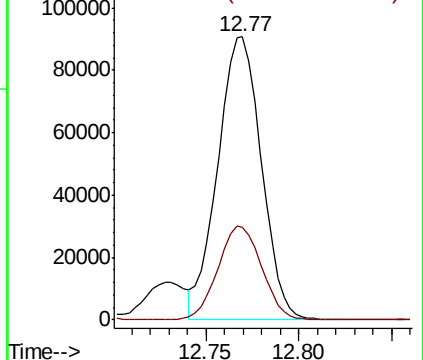
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.7	50.1

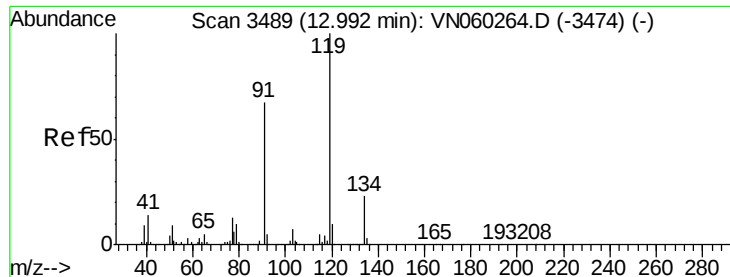


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

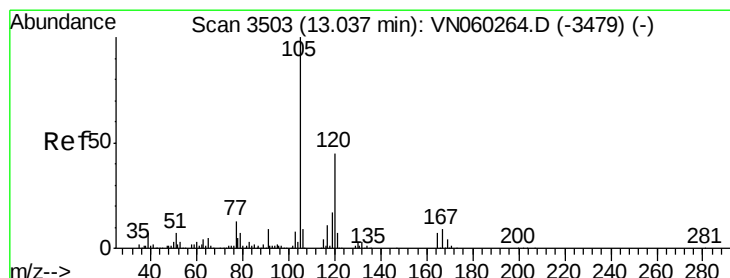
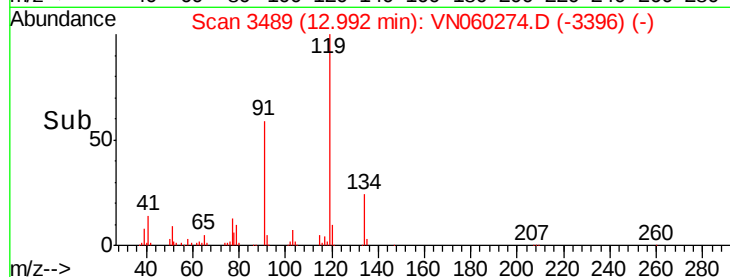
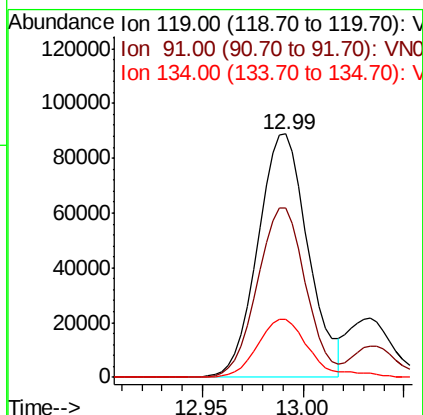
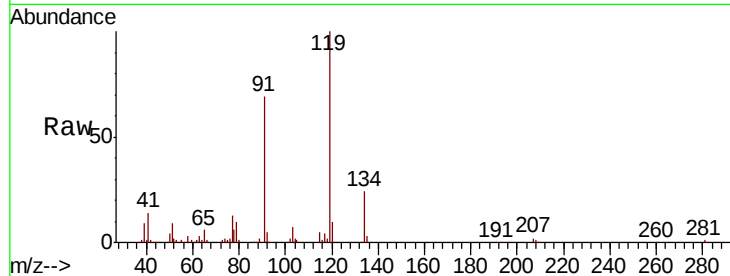




#83
tert-Butylbenzene
Concen: 18.210 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

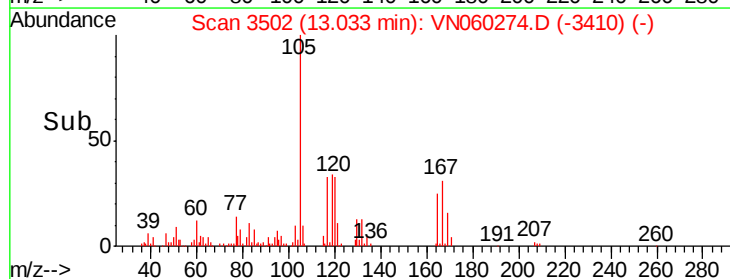
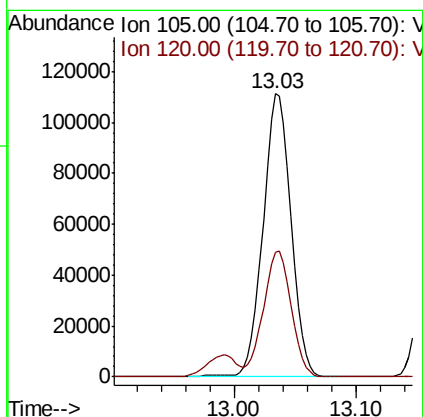
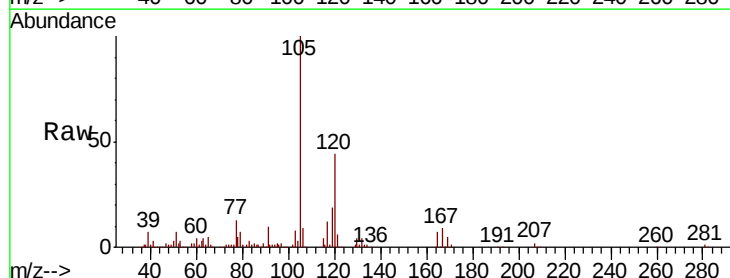
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 153884
Ion Ratio Lower Upper
119 100
91 67.2 33.1 99.2
134 24.7 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 18.023 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion:105 Resp: 177557
Ion Ratio Lower Upper
105 100
120 44.2 22.3 66.9

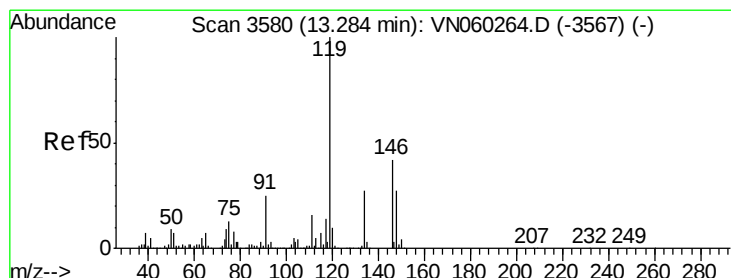
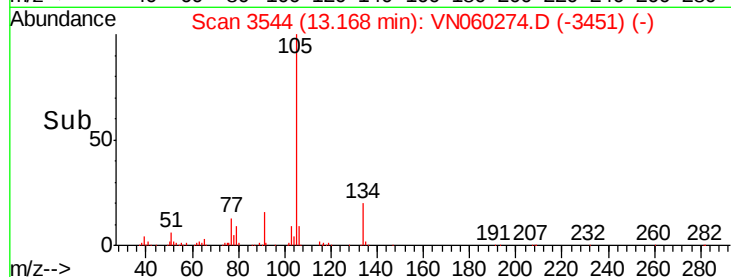
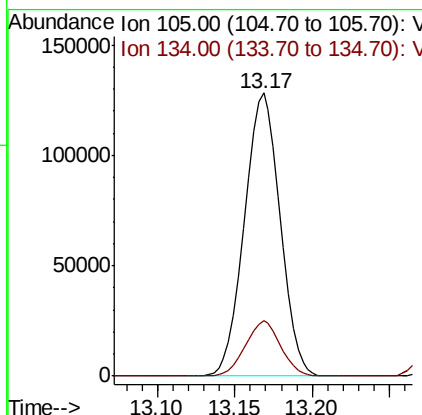
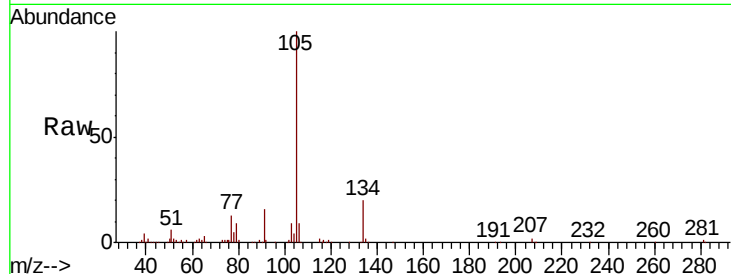




#85
 sec-Butylbenzene
 Concen: 18.228 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

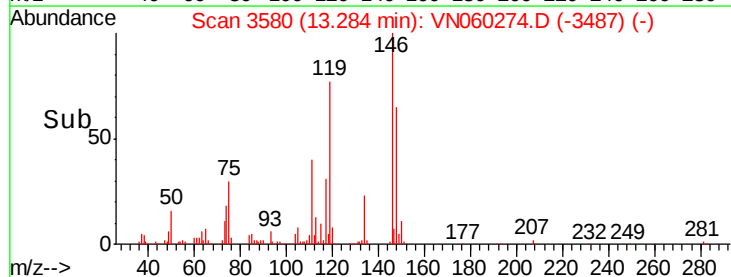
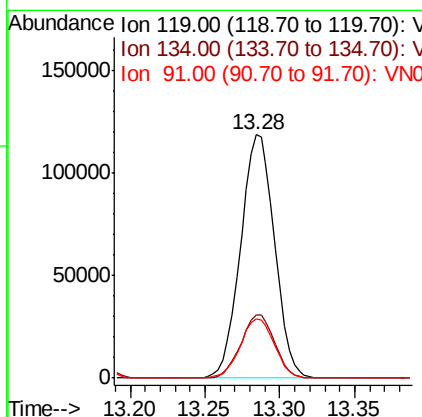
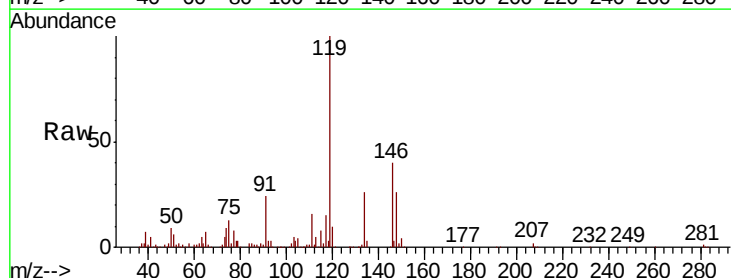
Instrument :
 MSVOA_N
 ClientSampled :

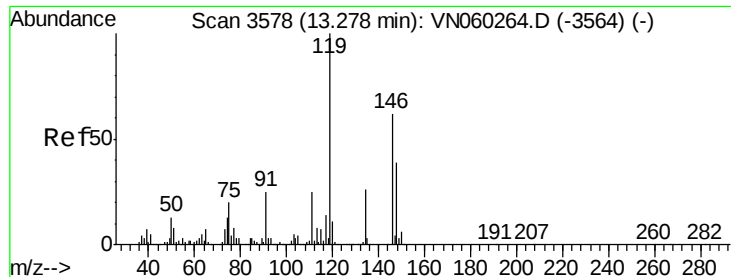
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5



#86
 p-Isopropyltoluene
 Concen: 17.710 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.2	39.6
91	24.6	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 18.508 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampled :

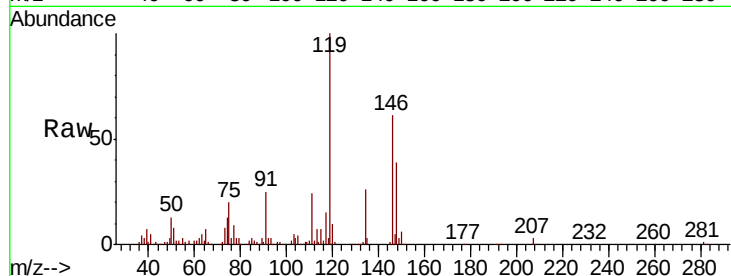
Tot Ion:146 Resp: 90954

Ion Ratio Lower Upper

146 100

111 40.1 20.0 59.9

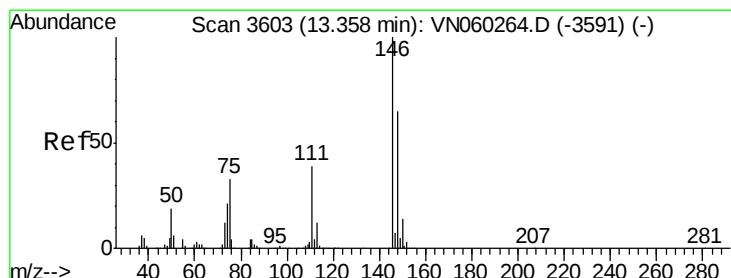
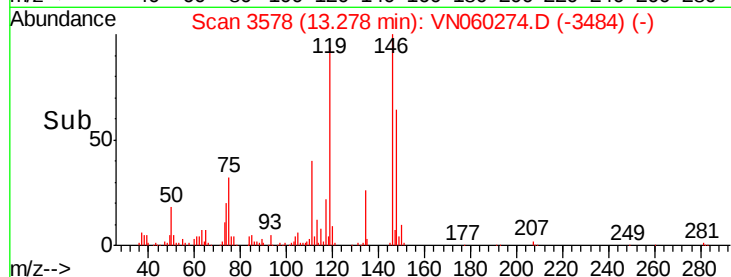
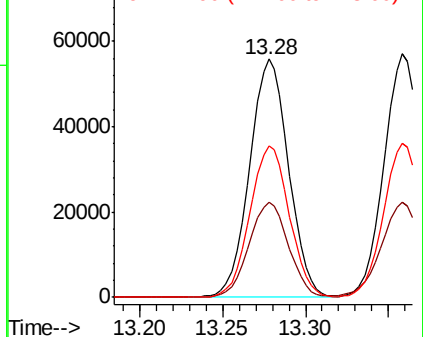
148 64.5 32.1 96.3



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: 18.543 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

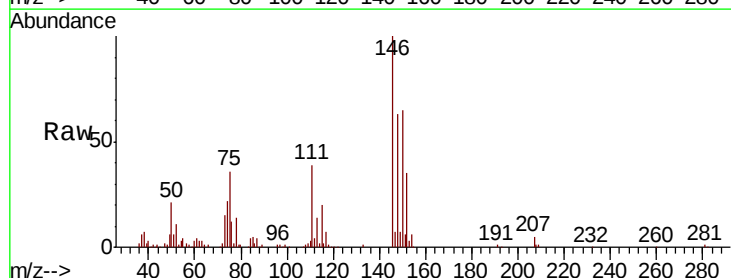
Tgt Ion:146 Resp: 91081

Ion Ratio Lower Upper

146 100

111 40.9 19.8 59.4

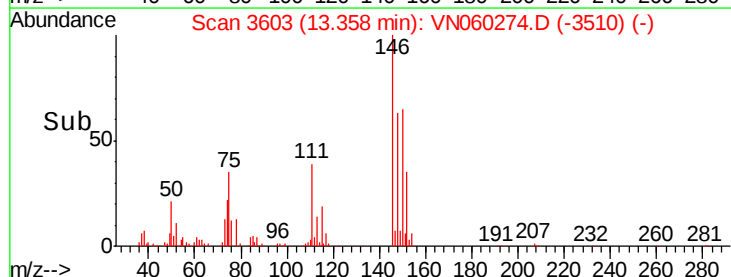
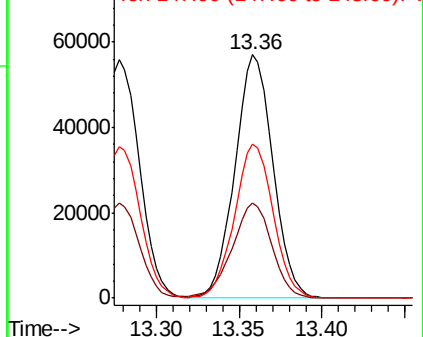
148 64.4 32.3 96.9

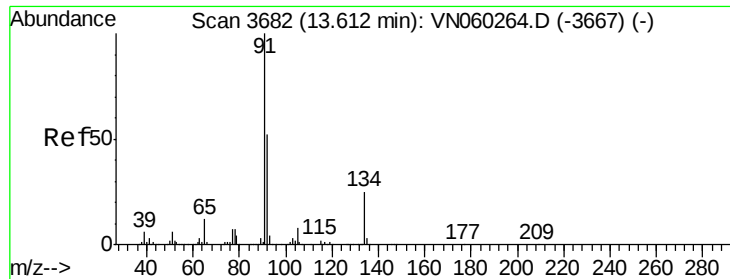


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

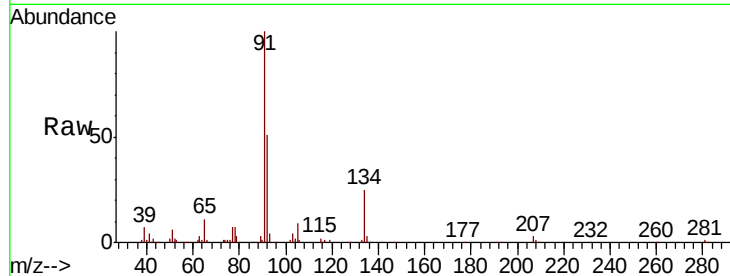




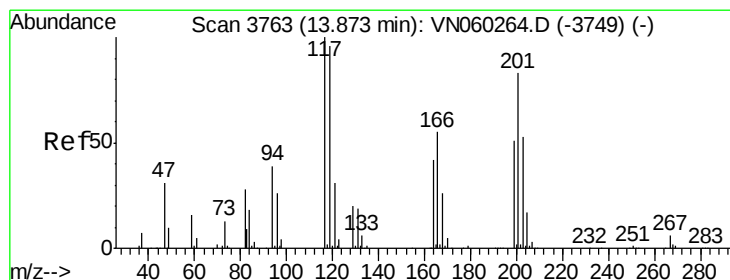
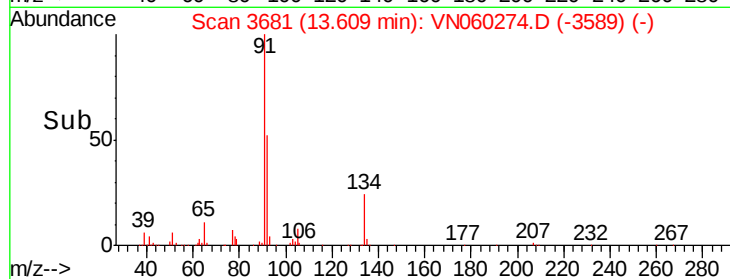
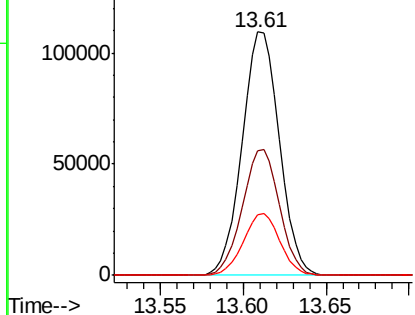
#89
n-Butylbenzene
Concen: 17.749 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 170653
Ion Ratio Lower Upper
91 100
92 51.4 26.0 78.0
134 25.1 12.7 38.1

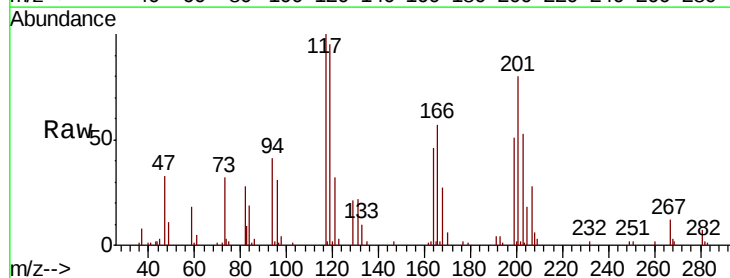


Abundance Ion 91.00 (90.70 to 91.70): VN060274.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN060274.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN060274.D (-3667) (-)

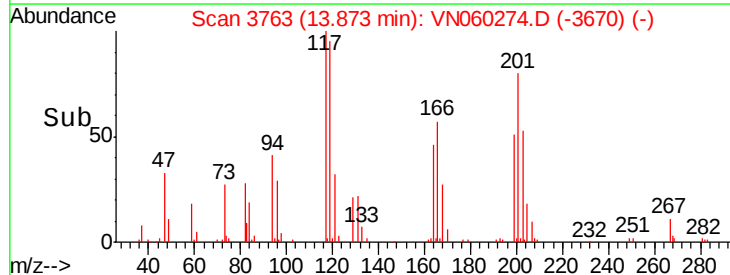
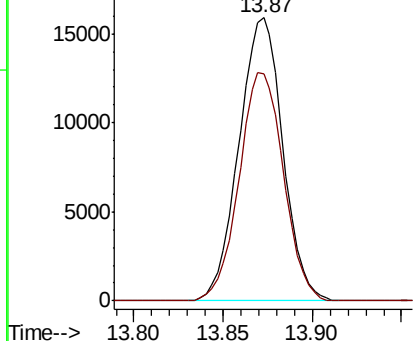


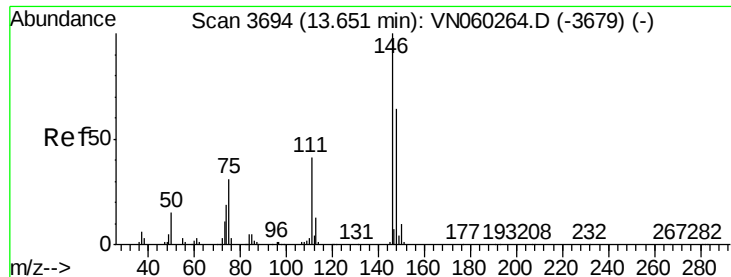
#90
Hexachloroethane
Concen: 17.969 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion: 117 Resp: 27242
Ion Ratio Lower Upper
117 100
201 81.3 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060274.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN060274.D (-3749) (-)

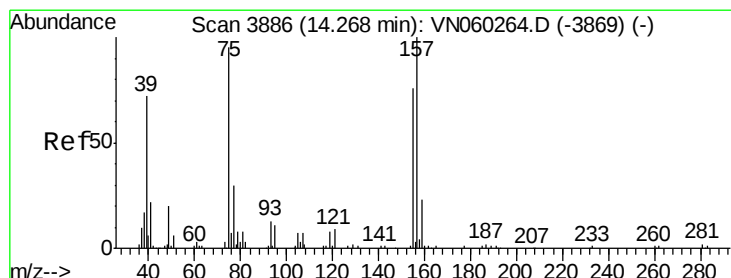
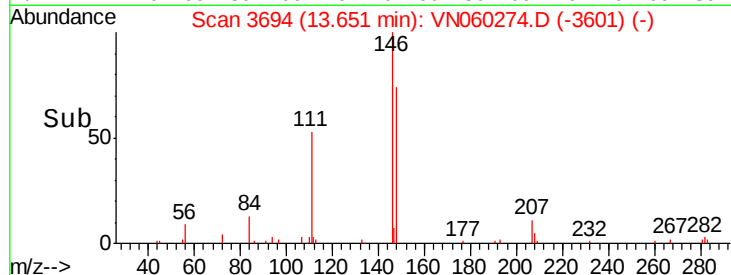
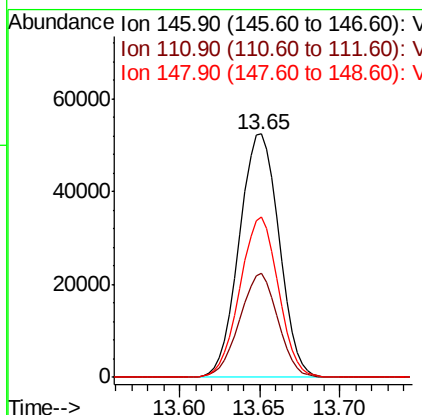
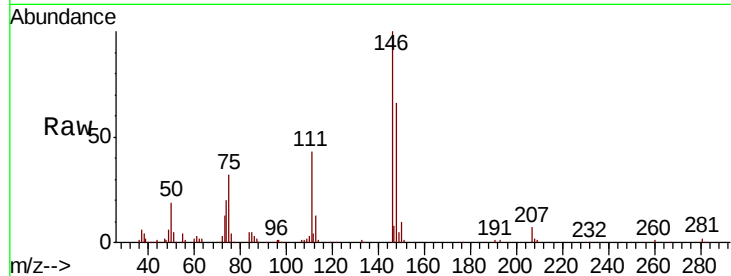




#91
 1,2-Dichlorobenzene
 Concen: 17.919 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

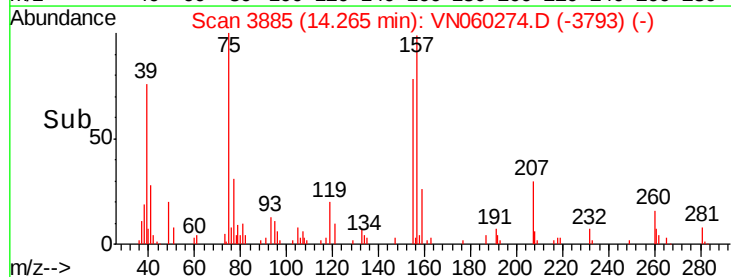
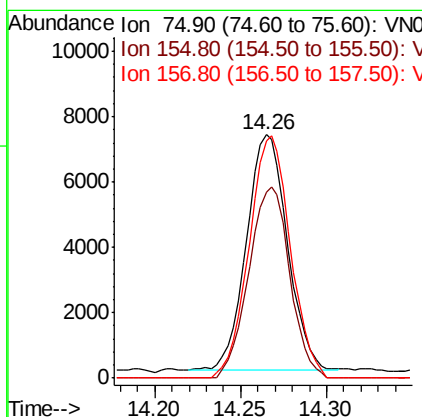
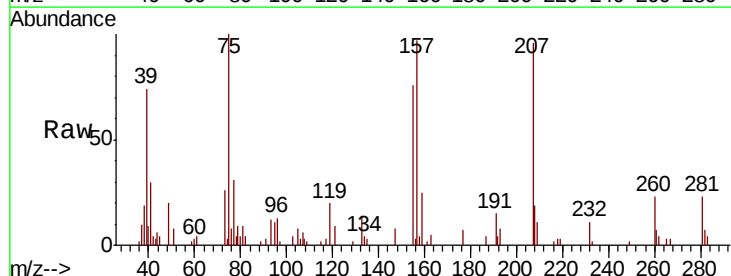
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	61.0
148	63.6	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.629 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	40.4	121.2
157	103.8	52.5	157.5

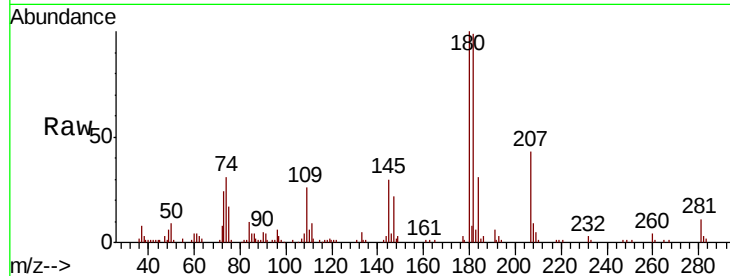




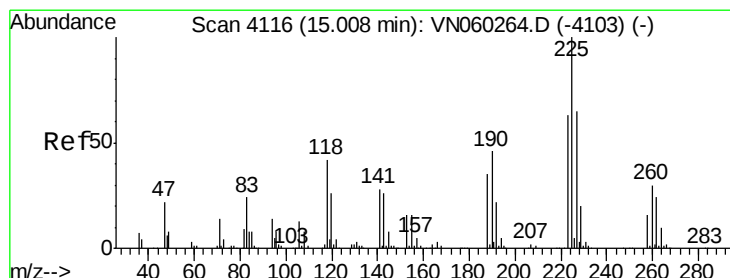
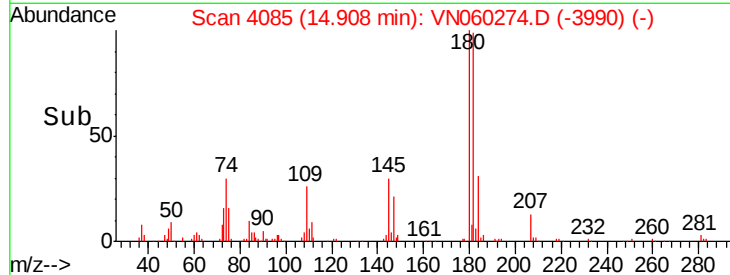
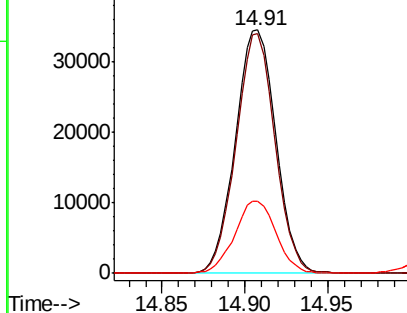
#93
 1,2,4-Trichlorobenzene
 Concen: 18.636 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.3
145	30.0	15.4	46.1

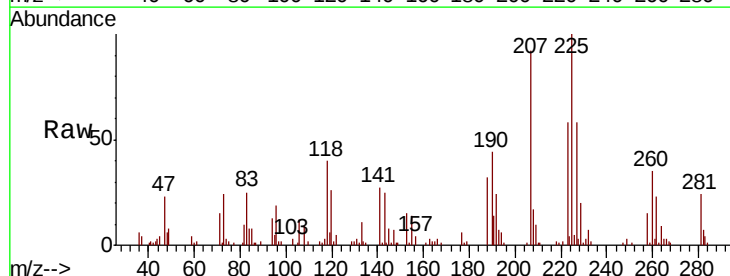


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

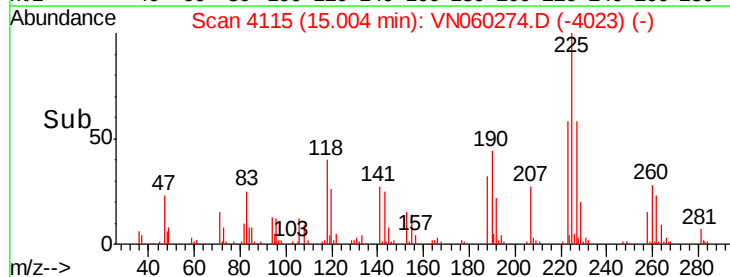
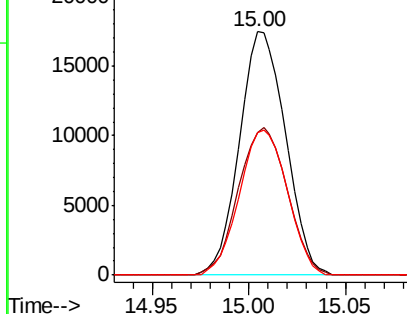


#94
 Hexachlorobutadiene
 Concen: 19.588 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060274.D
 Acq: 28 Feb 2020 11:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.3	93.9
227	61.8	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

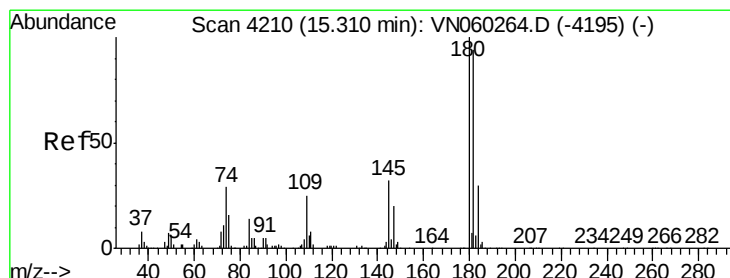
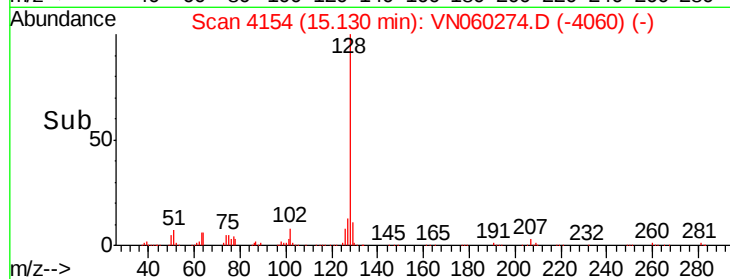
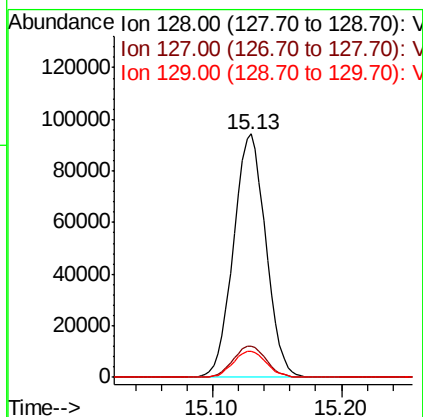
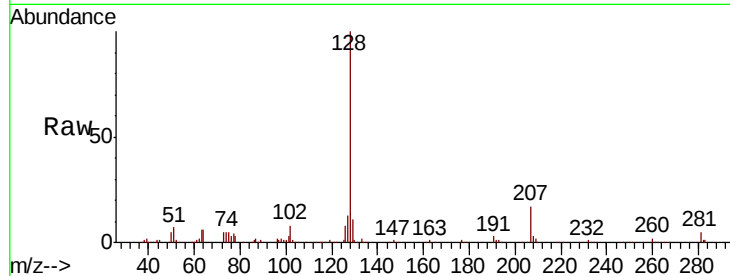




#95
Naphthalene
Concen: 17.418 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 163971
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.689 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060274.D
Acq: 28 Feb 2020 11:05

Tgt Ion:180 Resp: 56027
Ion Ratio Lower Upper
180 100
182 93.0 47.3 142.0
145 32.3 16.2 48.5

