

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060296.D
 Acq On : 28 Feb 2020 19:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 29 00:40:44 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	198874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153370	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	130056	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	7.56	113	78476	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	10.08	98	387315	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	149149	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	82393	45.187	ug/l	100
3) Chloromethane	2.04	50	148826	46.881	ug/l	99
4) Vinyl Chloride	2.16	62	124690	45.799	ug/l	100
5) Bromomethane	2.54	94	44113	39.762	ug/l	100
6) Chloroethane	2.68	64	67835	45.987	ug/l	96
7) Trichlorofluoromethane	3.00	101	161712	46.490	ug/l	100
8) Diethyl Ether	3.38	74	61564	46.876	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91373	46.415	ug/l	99
10) Methyl Iodide	3.93	142	76514	42.587	ug/l	99
11) Tert butyl alcohol	4.72	59	81921	216.221	ug/l	100
12) 1,1-Dichloroethene	3.72	96	92028	48.164	ug/l	97
13) Acrolein	3.58	56	87064	246.321	ug/l	99
14) Allyl chloride	4.29	41	150583	42.745	ug/l	91
15) Acrylonitrile	4.94	53	251008	251.348	ug/l	99
16) Acetone	3.78	43	203703	247.217	ug/l	98
17) Carbon Disulfide	4.03	76	241741	47.645	ug/l	100
18) Methyl Acetate	4.28	43	124517	45.283	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	329436	47.490	ug/l	100
20) Methylene Chloride	4.52	84	104129	46.015	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	97936	47.689	ug/l	96
22) Diisopropyl ether	5.91	45	345611	48.434	ug/l	98
23) Vinyl Acetate	5.86	43	1405733	247.912	ug/l	100
24) 1,1-Dichloroethane	5.82	63	193223	47.836	ug/l	99
25) 2-Butanone	6.80	43	328261	246.640	ug/l	100
26) 2,2-Dichloropropane	6.80	77	157647	42.870	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	115289	43.937	ug/l	100
28) Bromochloromethane	7.17	49	76175	45.931	ug/l	96
29) Tetrahydrofuran	7.18	42	221166	238.969	ug/l	100
30) Chloroform	7.35	83	192762	47.938	ug/l	100
31) Cyclohexane	7.63	56	168413	48.827	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	169470	47.568	ug/l	100
36) 1,1-Dichloropropene	7.77	75	141516	44.956	ug/l	99
37) Ethyl Acetate	6.90	43	143132	48.021	ug/l	100
38) Carbon Tetrachloride	7.75	117	141988	46.328	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	167898	45.237	ug/l	98
40) Benzene	8.02	78	422831	46.150	ug/l	100
41) Methacrylonitrile	7.18	41	207029	150.428	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	154306	46.672	ug/l	100
43) Isopropyl Acetate	8.14	43	249337	47.783	ug/l	99
44) Trichloroethene	8.82	130	113793	44.595	ug/l	99
45) 1,2-Dichloropropane	9.10	63	115918	48.391	ug/l	99
46) Dibromomethane	9.19	93	72560	46.683	ug/l	99
47) Bromodichloromethane	9.39	83	153635	48.600	ug/l	98
48) Methyl methacrylate	9.18	41	112088	47.105	ug/l	99
49) 1,4-Dioxane	9.18	88	27907	833.976	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	732813	247.691	ug/l	100
52) Toluene	10.14	92	267358	46.454	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	174670	45.093	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	184915	46.070	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	107534	46.462	ug/l	99
56) Ethyl methacrylate	10.42	69	166430	50.053	ug/l	100
57) 1,3-Dichloropropane	10.70	76	180409	47.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	433228	249.122	ug/l	100
59) 2-Hexanone	10.74	43	533540	245.615	ug/l	100
60) Dibromochloromethane	10.89	129	113723	48.317	ug/l	99
61) 1,2-Dibromoethane	10.99	107	109007	48.315	ug/l	98
64) Tetrachloroethene	10.62	164	114528	46.426	ug/l	97
65) Chlorobenzene	11.43	112	282873	44.809	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	108085	46.306	ug/l	100
67) Ethyl Benzene	11.50	91	522899	45.484	ug/l	100
68) m/p-Xylenes	11.62	106	389399	89.776	ug/l	100
69) o-Xylene	11.94	106	188772	45.640	ug/l	99
70) Styrene	11.96	104	314674	46.273	ug/l	100
71) Bromoform	12.12	173	82110	48.810	ug/l #	100
73) Isopropylbenzene	12.24	105	511826	45.025	ug/l	99
74) N-amyl acetate	12.06	43	230614	46.426	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	149194	48.283	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	205342	61.024	ug/l #	100
77) Bromobenzene	12.52	156	125624	45.083	ug/l	99
78) n-propylbenzene	12.59	91	602478	45.214	ug/l	99
79) 2-Chlorotoluene	12.67	91	347256	44.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	432762	45.216	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	57554	47.215	ug/l #	84
82) 4-Chlorotoluene	12.77	91	365857	44.334	ug/l	99
83) tert-Butylbenzene	12.99	119	368832	44.510	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	438186	45.359	ug/l	99
85) sec-Butylbenzene	13.17	105	498945	44.964	ug/l	100
86) p-Isopropyltoluene	13.28	119	452082	44.017	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	224127	46.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	222483	46.708	ug/l	100
89) n-Butylbenzene	13.61	91	416490	44.175	ug/l	100
90) Hexachloroethane	13.87	117	66004	44.398	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	214242	43.878	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32814	46.894	ug/l	97

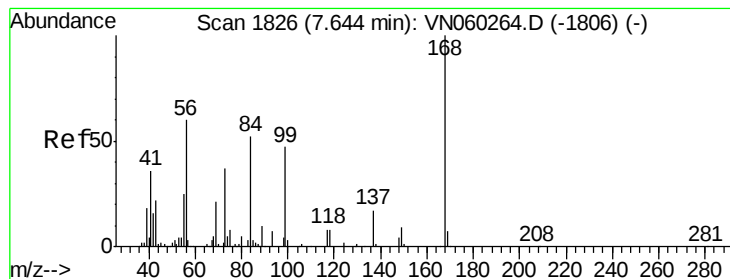
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	145611	46.939	ug/l	99
94) Hexachlorobutadiene	15.01	225	65165	45.642	ug/l	98
95) Naphthalene	15.13	128	431227	47.174	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	138208	47.292	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

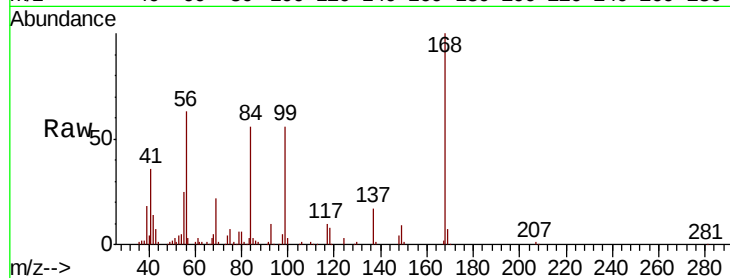
ClientSampleId :

Tot Ion:168 Resp: 198874

Ion Ratio Lower Upper

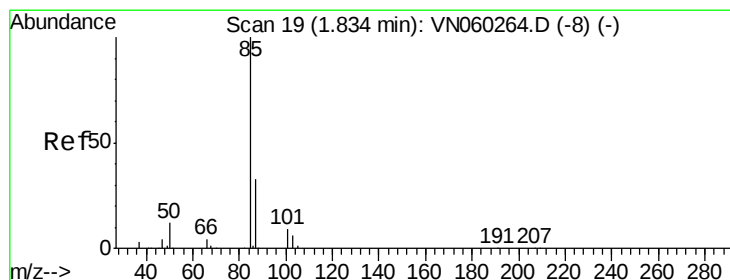
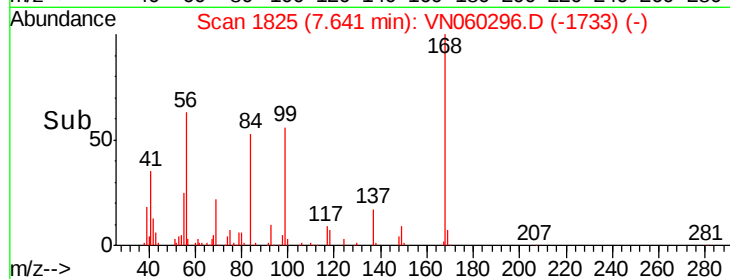
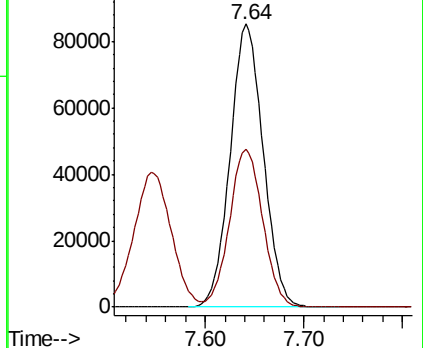
168 100

99 55.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060264.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060264.D (-1806) (-)



#2

Dichlorodifluoromethane

Concen: 45.187 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060296.D

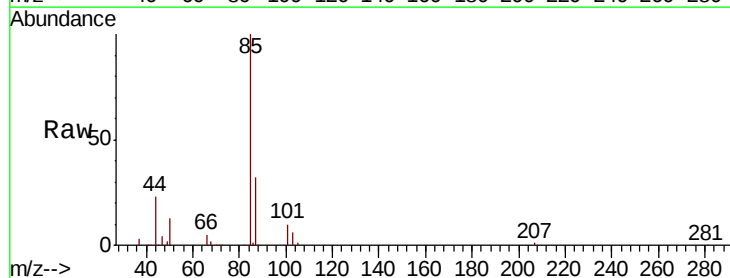
Acq: 28 Feb 2020 19:36

Tgt Ion: 85 Resp: 82393

Ion Ratio Lower Upper

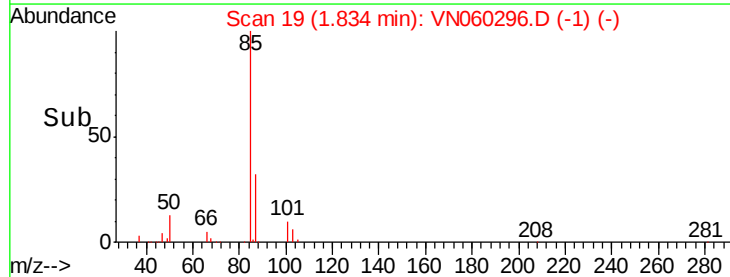
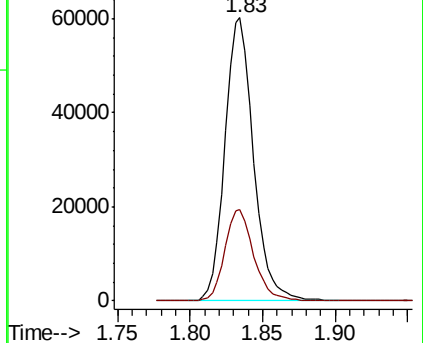
85 100

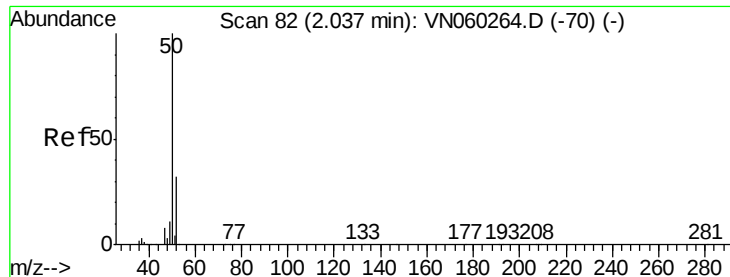
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN060264.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN060264.D (-8) (-)





#3

Chloromethane

Concen: 46.881 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

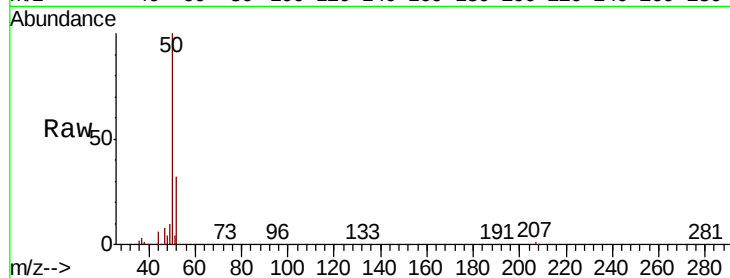
ClientSampleId :

Tot Ion: 50 Resp: 148826

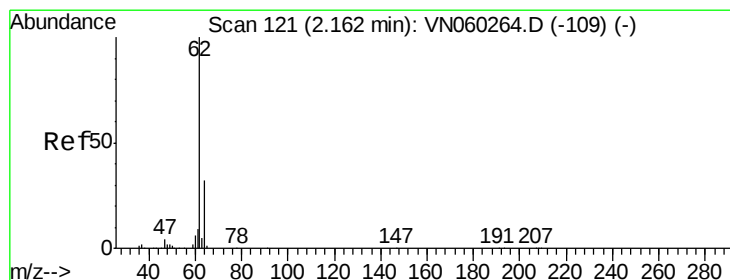
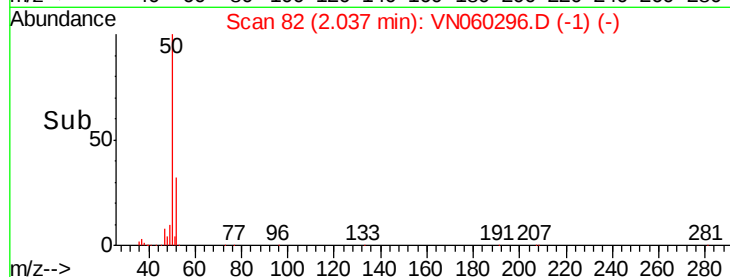
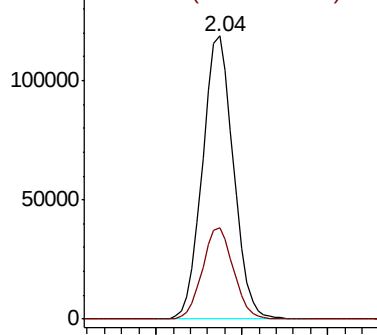
Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4



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



#4

Vinyl Chloride

Concen: 45.799 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060296.D

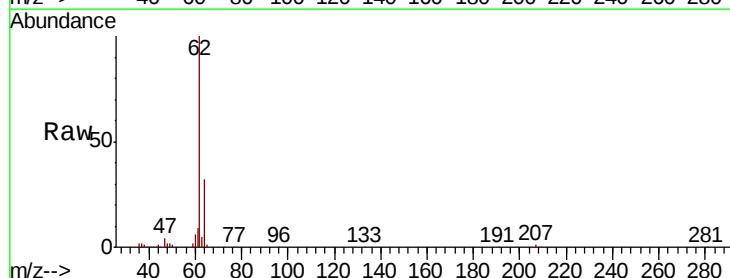
Acq: 28 Feb 2020 19:36

Tgt Ion: 62 Resp: 124690

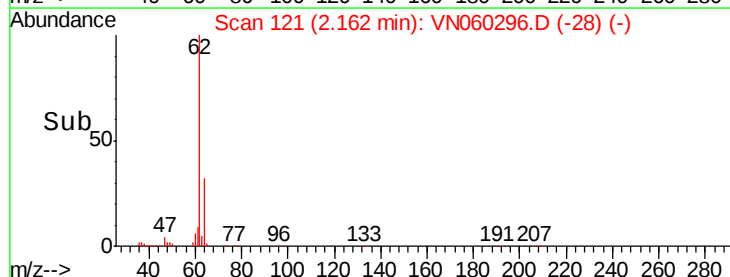
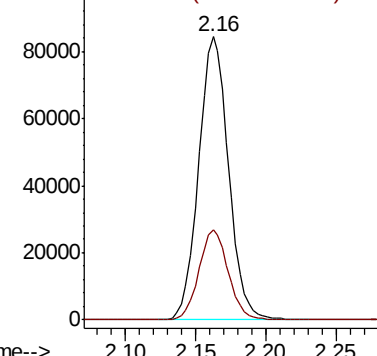
Ion Ratio Lower Upper

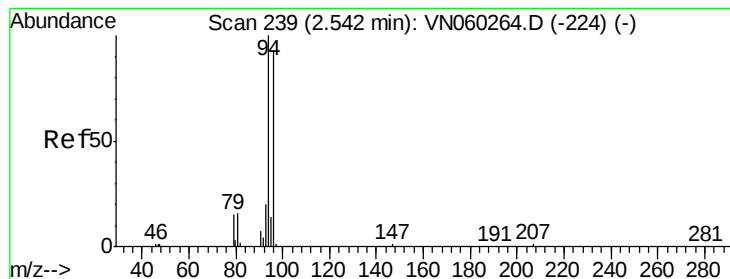
62 100

64 31.9 25.5 38.3



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





#5

Bromomethane

Concen: 39.762 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

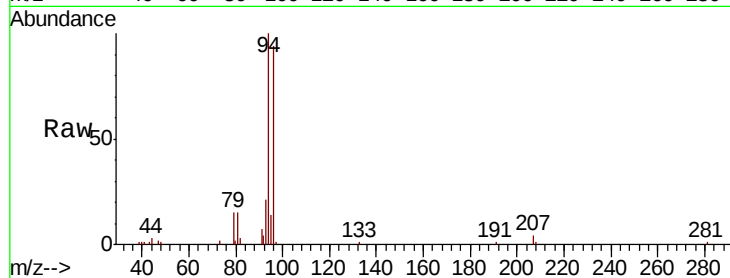
ClientSampled :

Tot Ion: 94 Resp: 44113

Ion Ratio Lower Upper

94 100

96 92.9 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN060296.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060296.D (-145) (-)

25000

20000

15000

10000

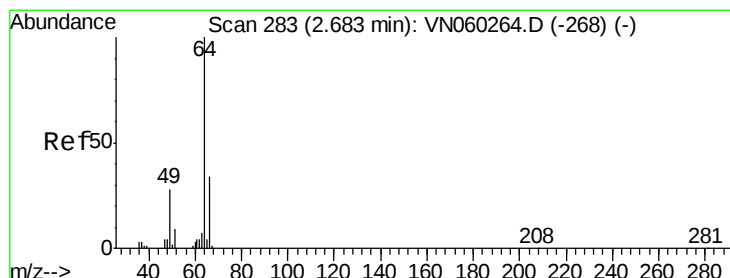
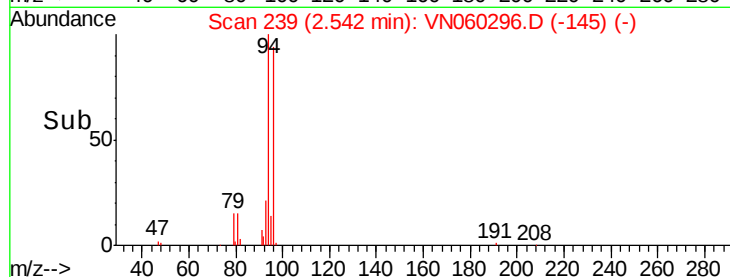
5000

0

Time-->

2.45 2.50 2.55 2.60

2.54



#6

Chloroethane

Concen: 45.987 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060296.D

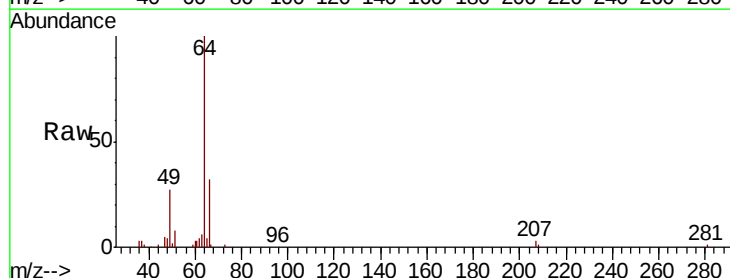
Acq: 28 Feb 2020 19:36

Tgt Ion: 64 Resp: 67835

Ion Ratio Lower Upper

64 100

66 31.8 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN060296.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060296.D (-190) (-)

40000

30000

20000

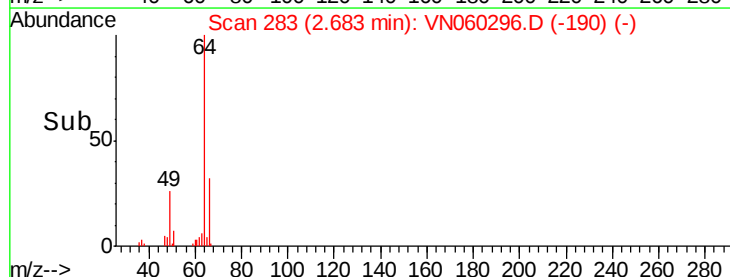
10000

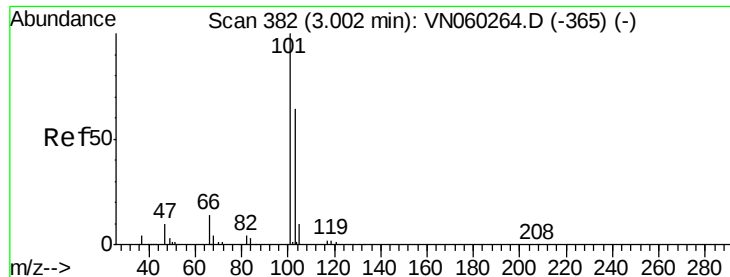
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Time-->

2.60 2.65 2.70 2.75 2.80

2.68



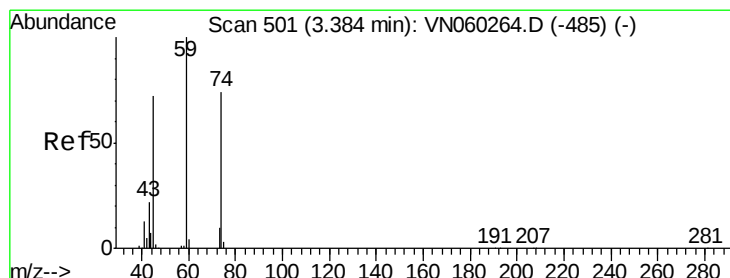
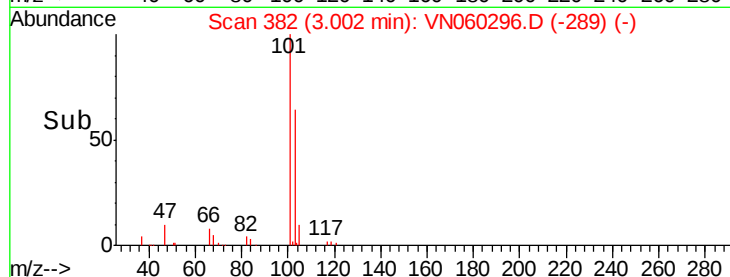
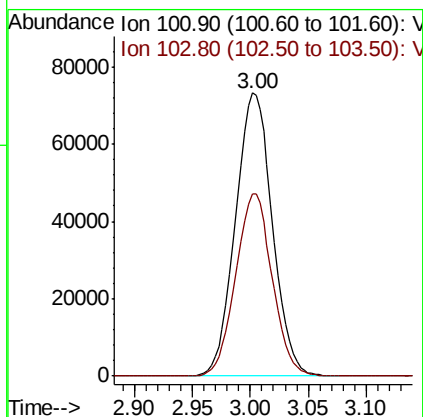
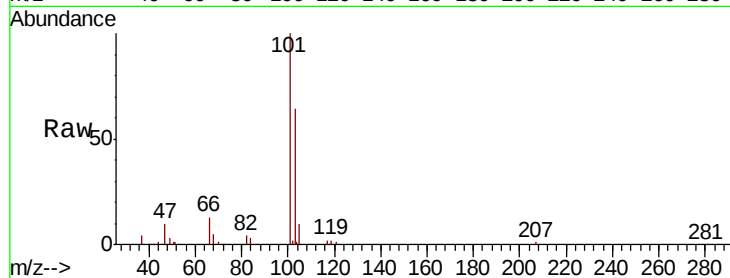


#7

Trichlorofluoromethane
Concen: 46.490 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampled :

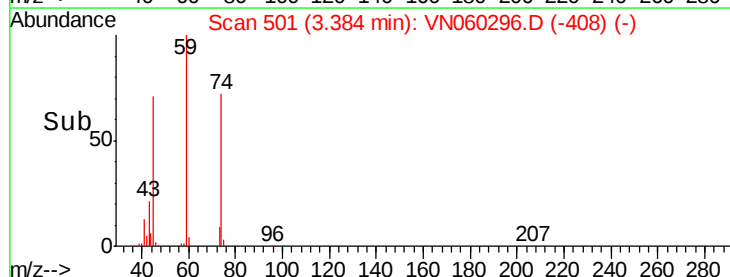
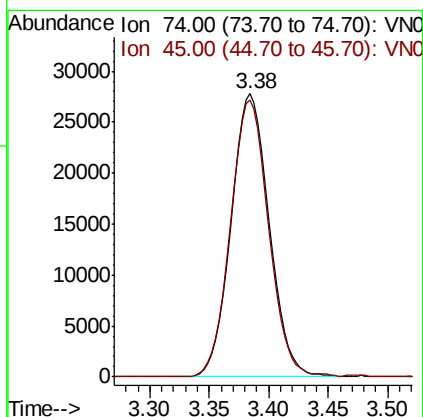
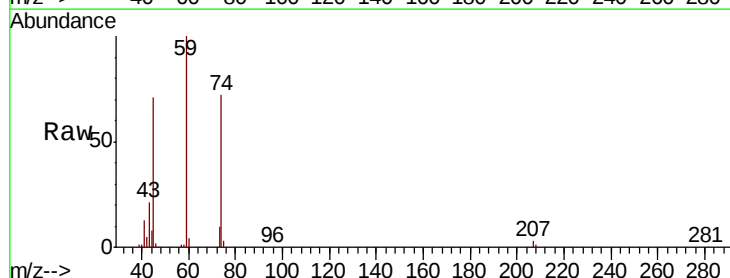
Tot Ion:101 Resp: 161712
Ion Ratio Lower Upper
101 100
103 64.3 51.3 76.9



#8

Diethyl Ether
Concen: 46.876 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 74 Resp: 61564
Ion Ratio Lower Upper
74 100
45 98.0 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.415 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

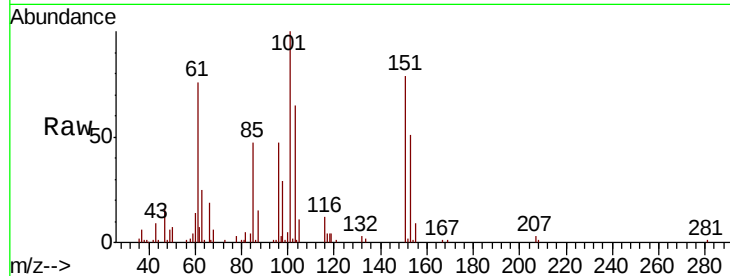
Tot Ion:101 Resp: 91373

Ion Ratio Lower Upper

101 100

85 45.2 35.4 53.2

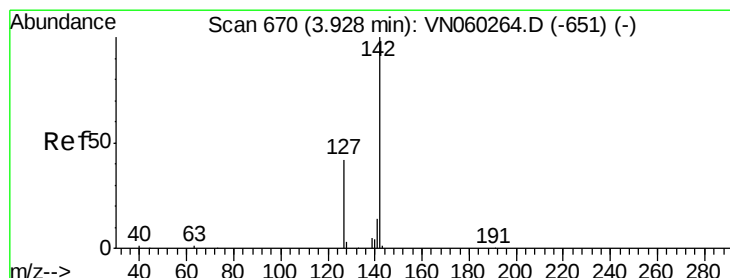
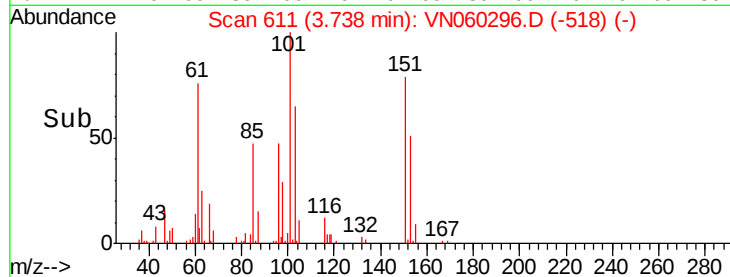
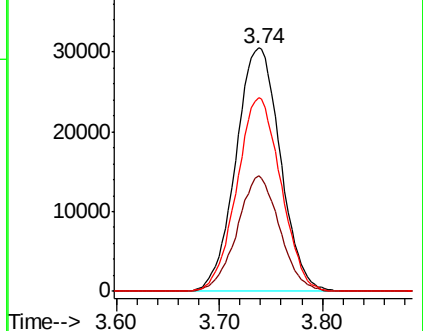
151 78.7 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.587 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

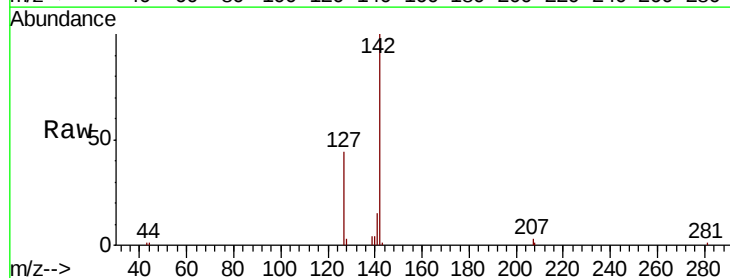
Tgt Ion:142 Resp: 76514

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

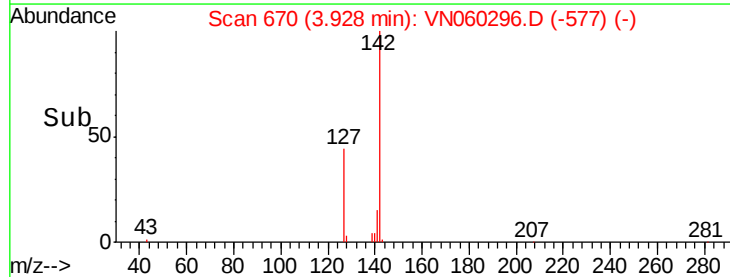
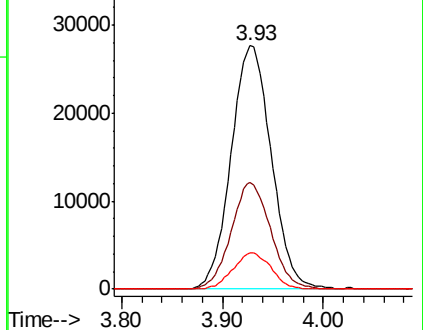
141 14.1 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

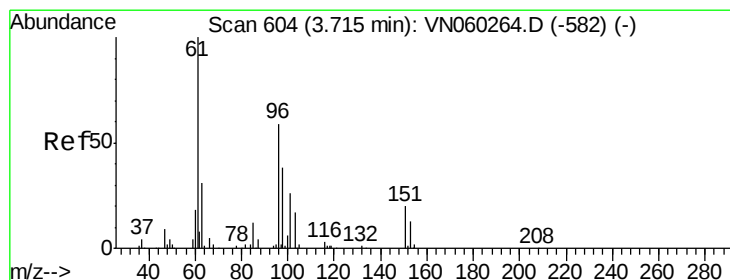
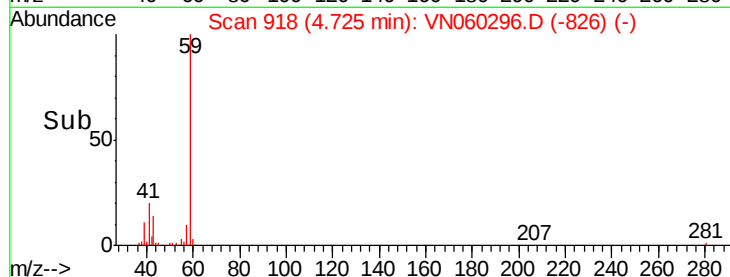
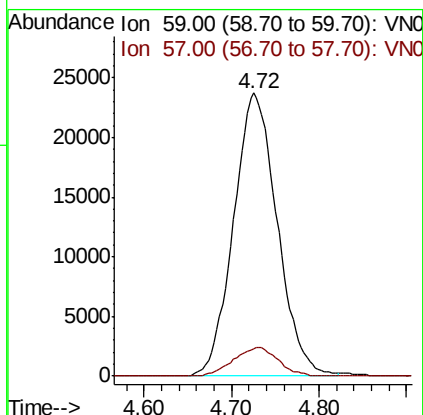
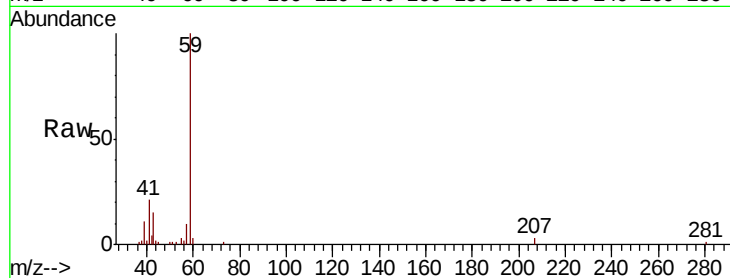




#11
Tert butyl alcohol
Concen: 216.221 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

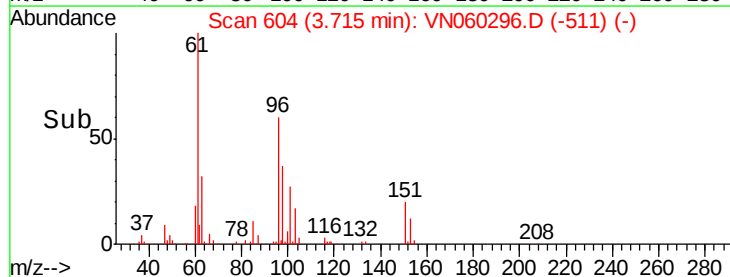
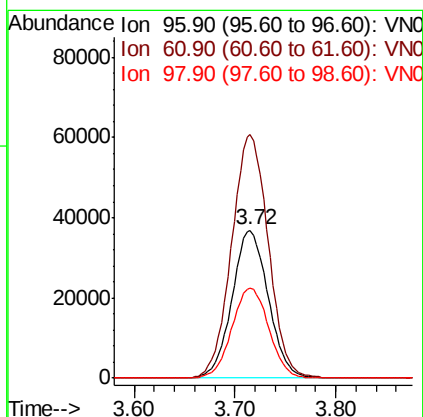
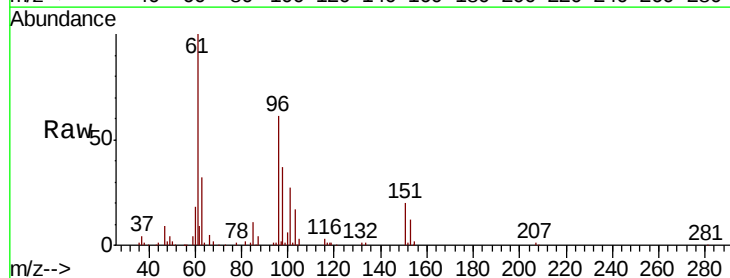
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 59 Resp: 81921
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12
1,1-Dichloroethene
Concen: 48.164 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 96 Resp: 92028
Ion Ratio Lower Upper
96 100
61 164.8 135.4 203.0
98 61.2 51.6 77.4

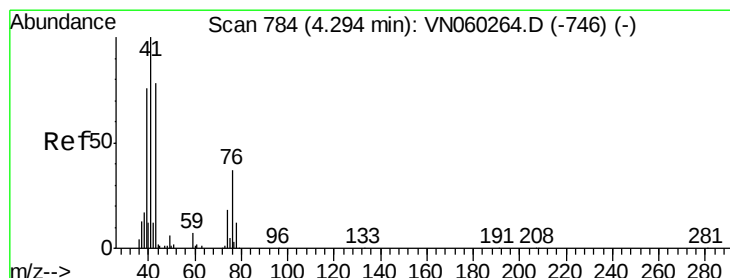
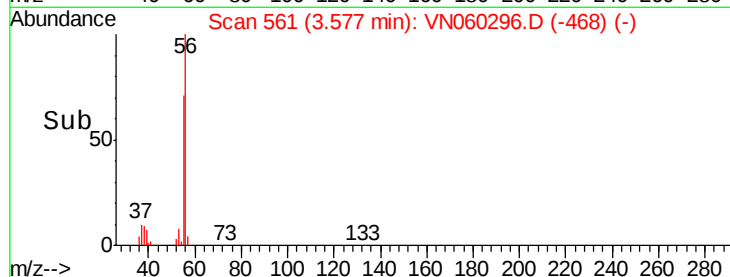
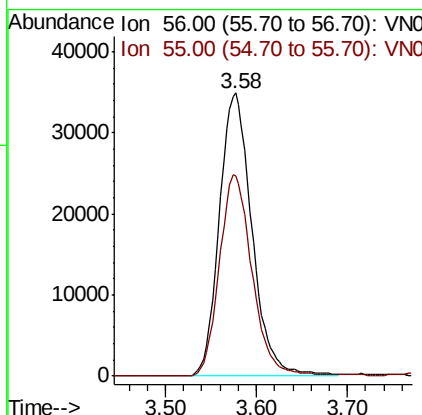
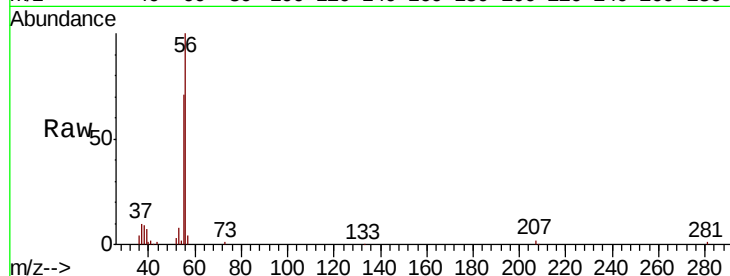




#13
Acrolein
Concen: 246.321 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

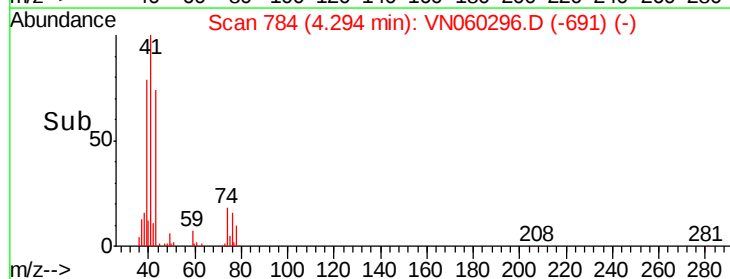
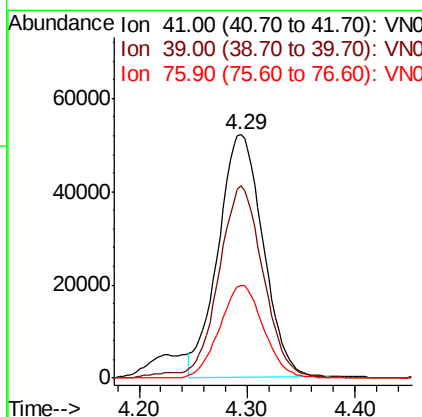
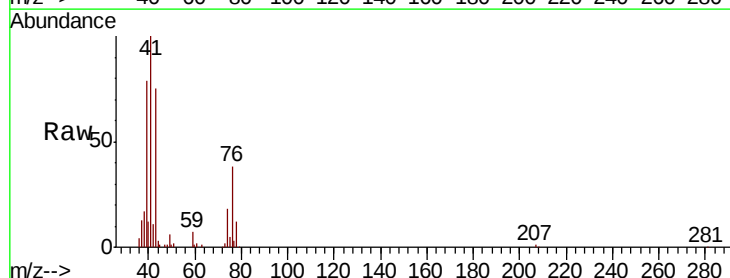
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 87064
Ion Ratio Lower Upper
56 100
55 71.2 57.4 86.0



#14
Allyl chloride
Concen: 42.745 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 41 Resp: 150583
Ion Ratio Lower Upper
41 100
39 77.4 55.4 83.2
76 37.5 27.0 40.6





#15

Acrylonitrile

Concen: 251.348 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

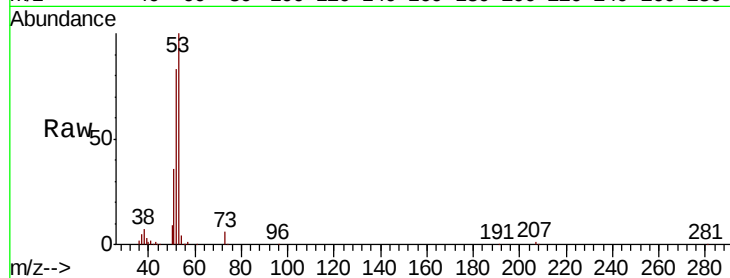
Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 251008

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.8	100.2
51	36.2	29.0	43.6

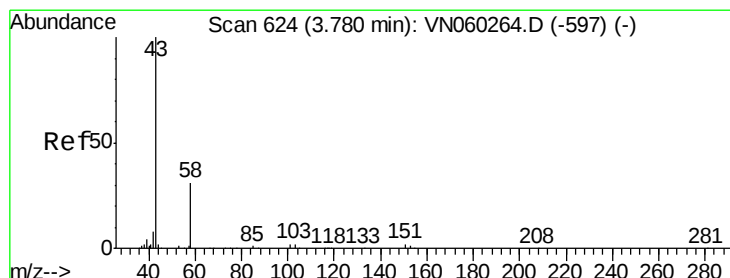
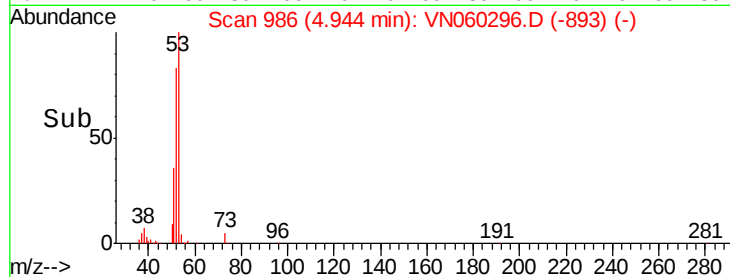
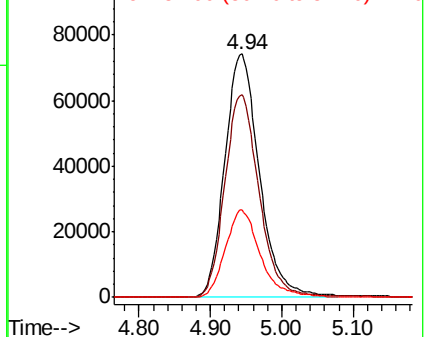


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 247.217 ug/l

RT: 3.78 min Scan# 624

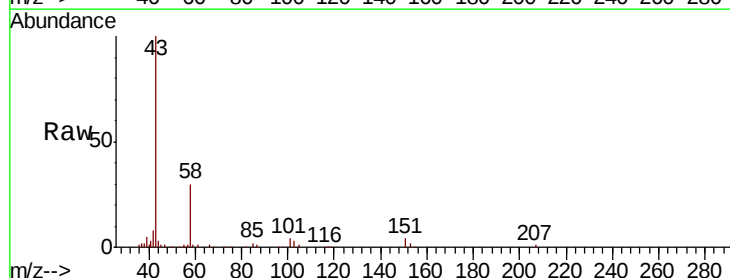
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion: 43 Resp: 203703

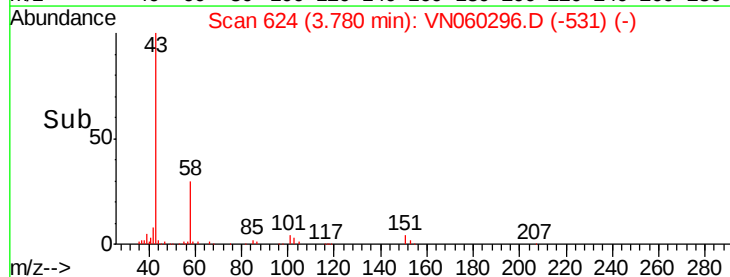
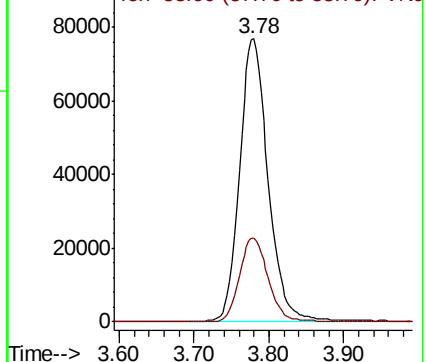
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	36.8

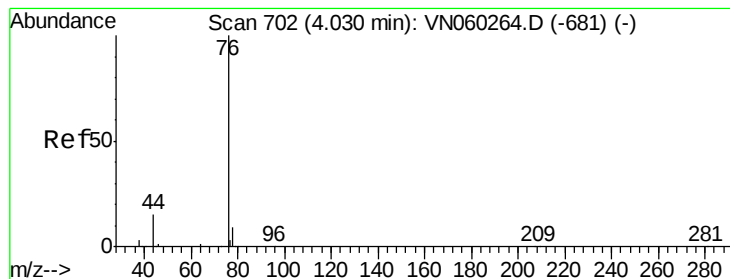


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 47.645 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

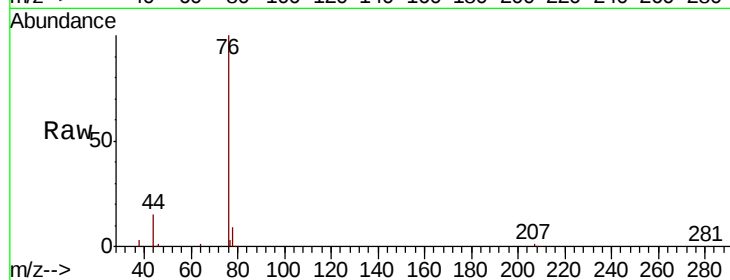
ClientSampled :

Tot Ion: 76 Resp: 241741

Ion Ratio Lower Upper

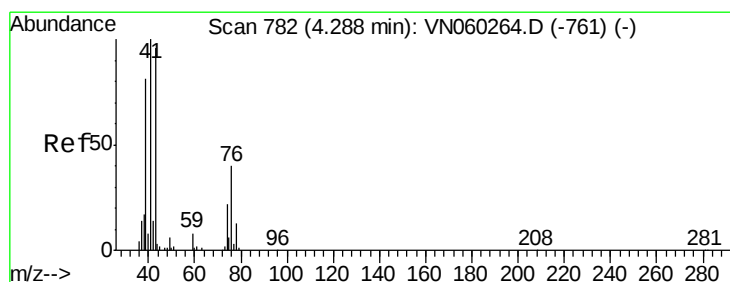
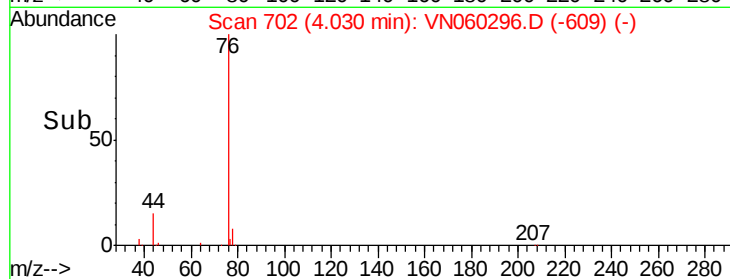
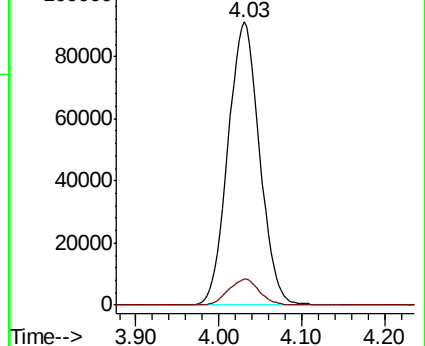
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN060296.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060296.D (-609) (-)



#18

Methyl Acetate

Concen: 45.283 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060296.D

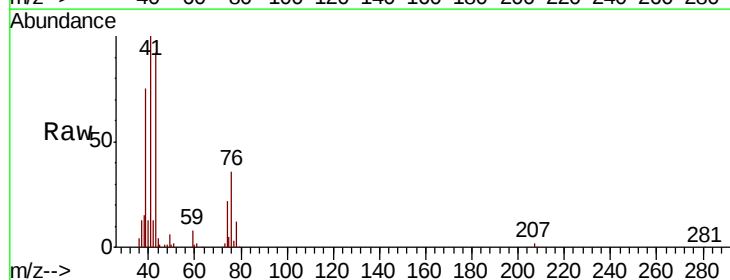
Acq: 28 Feb 2020 19:36

Tgt Ion: 43 Resp: 124517

Ion Ratio Lower Upper

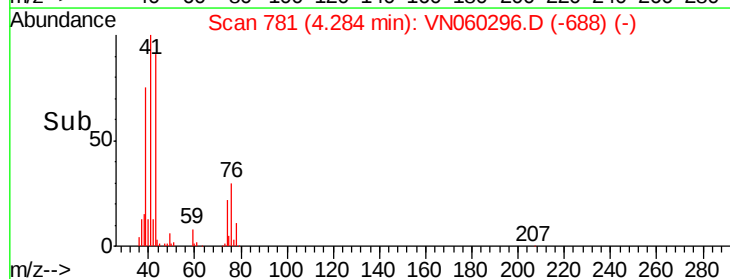
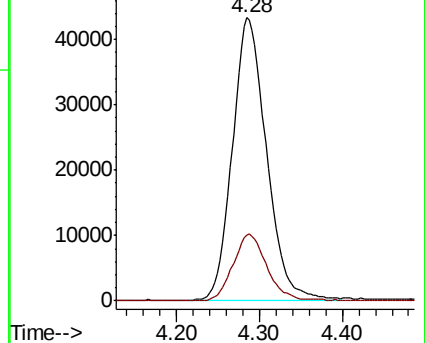
43 100

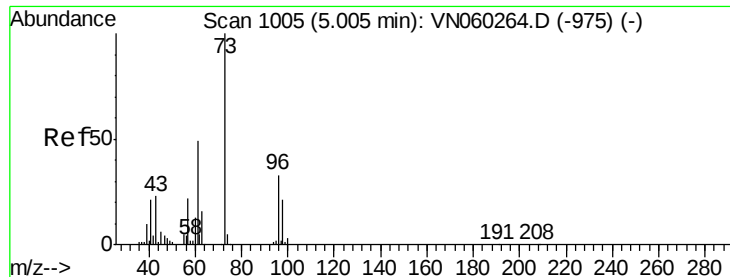
74 23.3 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN060296.D (-688) (-)

Ion 74.00 (73.70 to 74.70): VN060296.D (-688) (-)



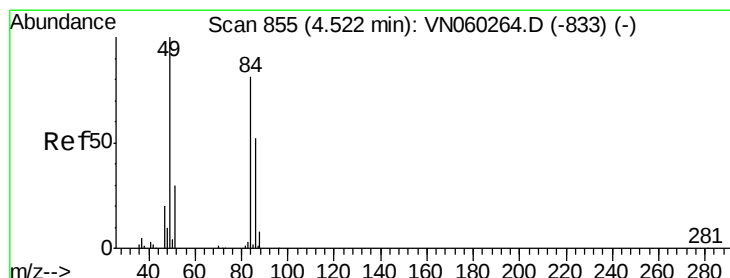
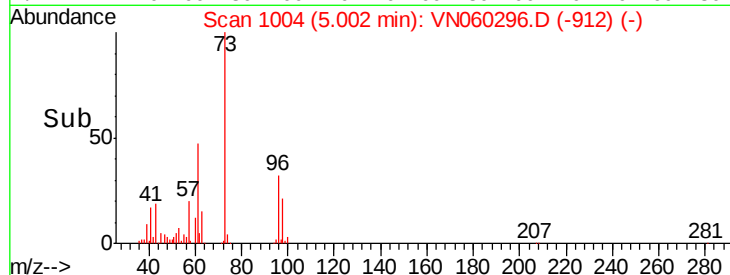
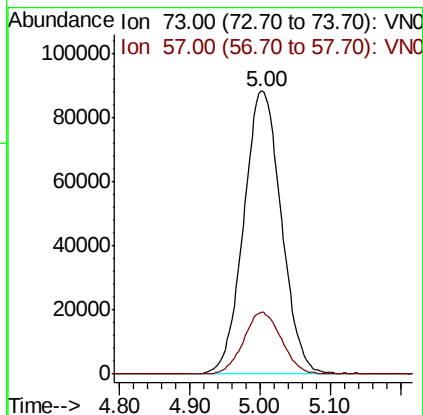
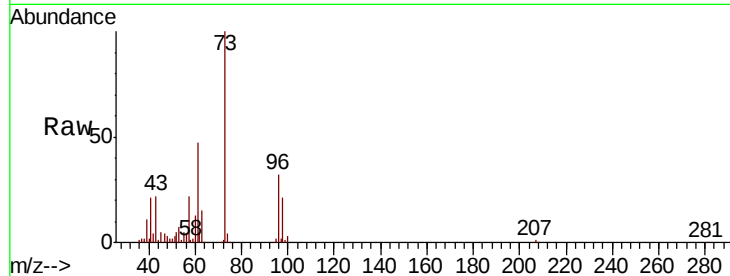


#19

Methyl tert-butyl Ether
 Concen: 47.490 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Instrument :
 MSVOA_N
 ClientSampled :

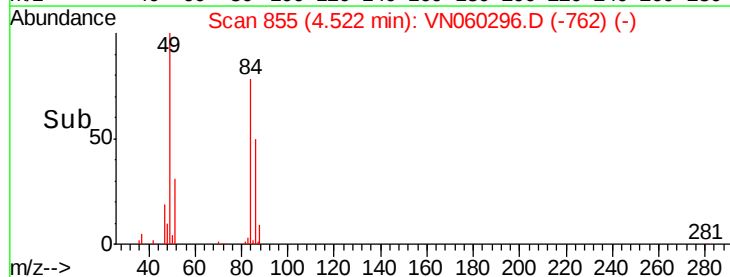
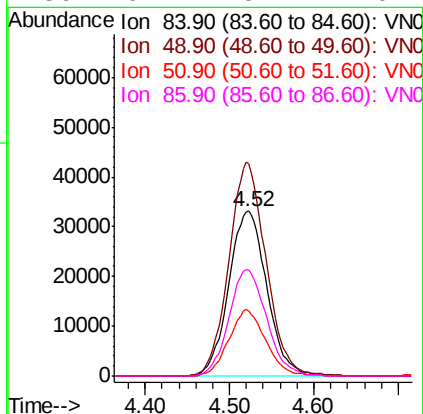
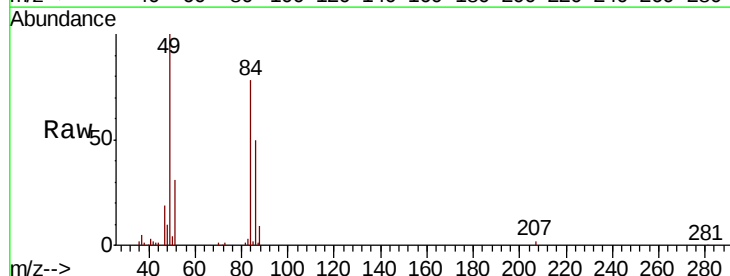
Tot Ion: 73 Resp: 329436
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.3 25.9

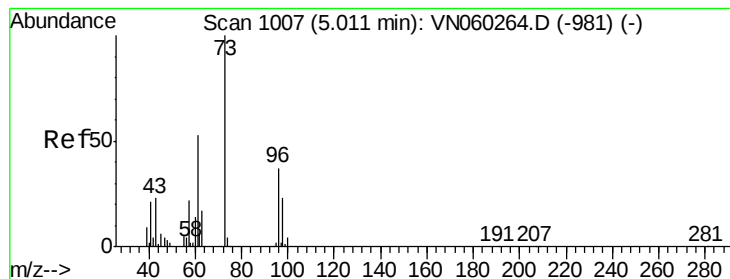


#20

Methylene Chloride
 Concen: 46.015 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion: 84 Resp: 104129
 Ion Ratio Lower Upper
 84 100
 49 128.4 99.3 148.9
 51 39.5 30.1 45.1
 86 64.1 51.1 76.7



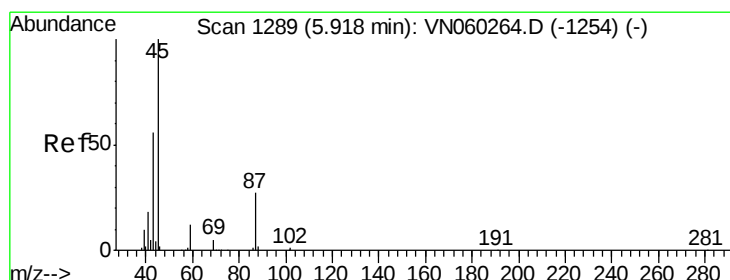
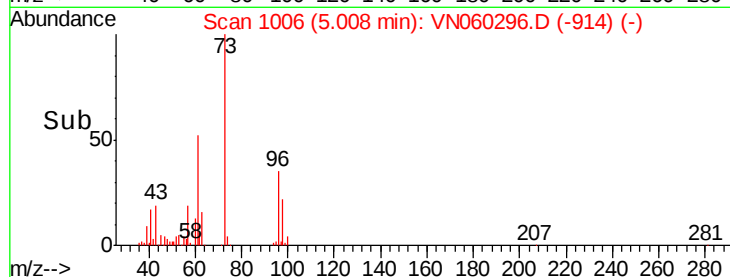
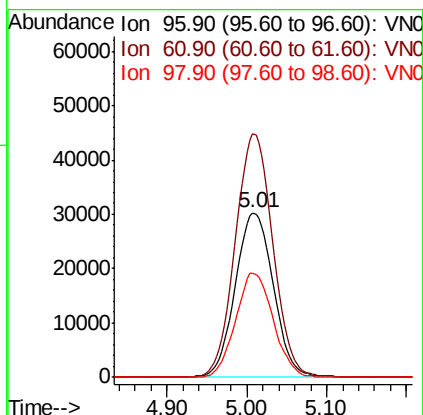
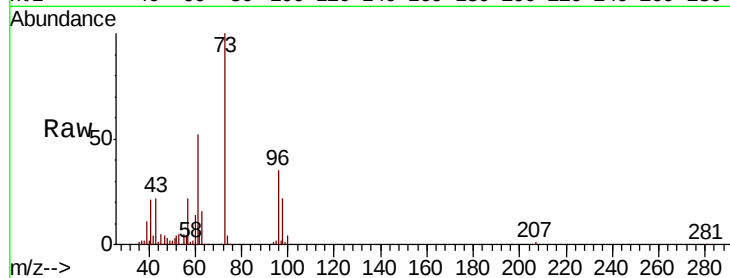


#21

trans-1,2-Dichloroethene
Concen: 47.689 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampled :

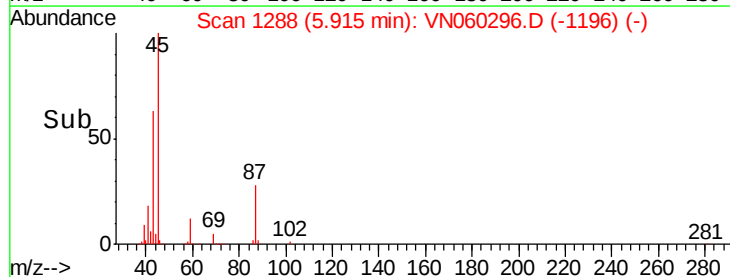
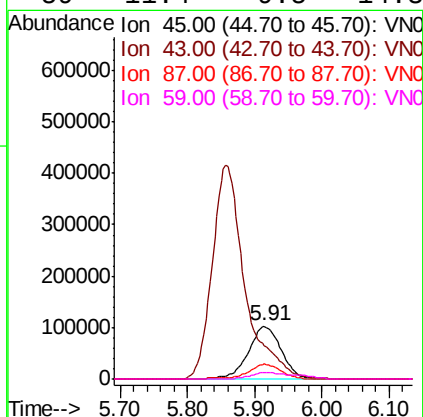
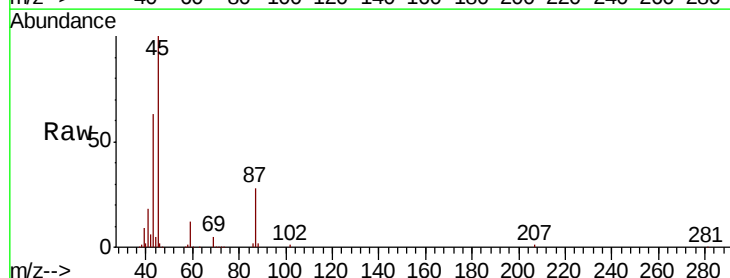
Tot Ion: 96 Resp: 97936
Ion Ratio Lower Upper
96 100
61 147.8 113.8 170.8
98 63.6 48.8 73.2

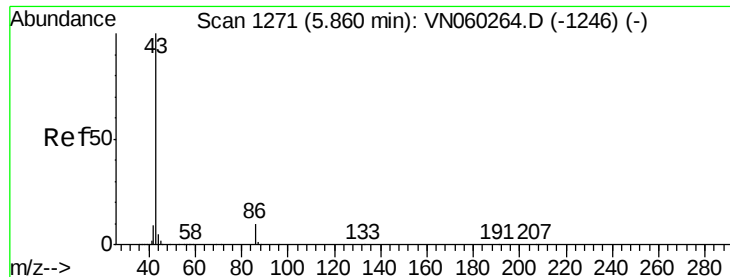


#22

Diisopropyl ether
Concen: 48.434 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 45 Resp: 345611
Ion Ratio Lower Upper
45 100
43 62.3 48.6 72.8
87 28.1 22.2 33.2
59 11.4 9.5 14.3





#23

Vinyl Acetate

Concen: 247.912 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

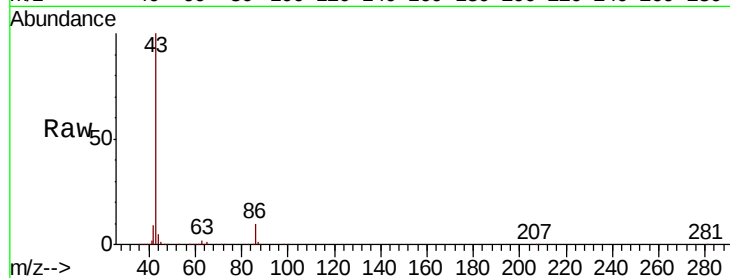
ClientSampleId :

Tot Ion: 43 Resp: 1405733

Ion Ratio Lower Upper

43 100

86 9.9 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060264.D (-1246) (-)

5.86

400000

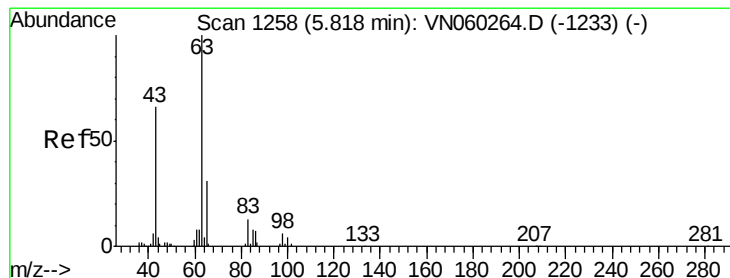
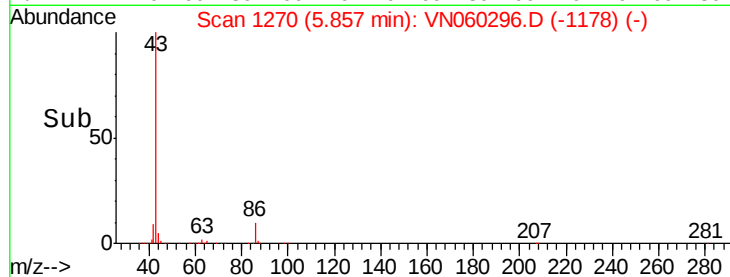
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.836 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

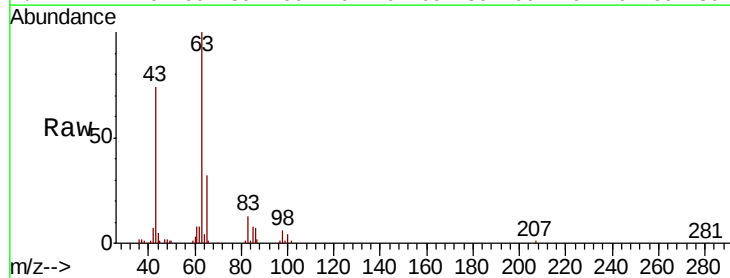
Tgt Ion: 63 Resp: 193223

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060264.D (-1233) (-)

80000

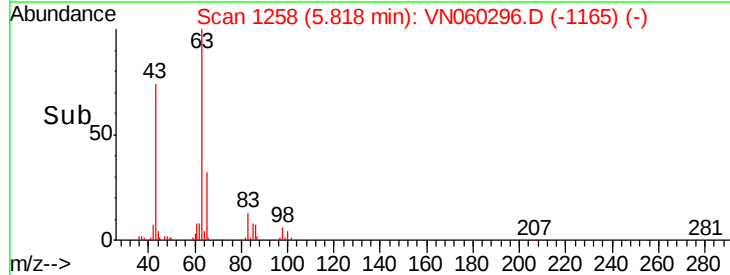
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 246.640 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

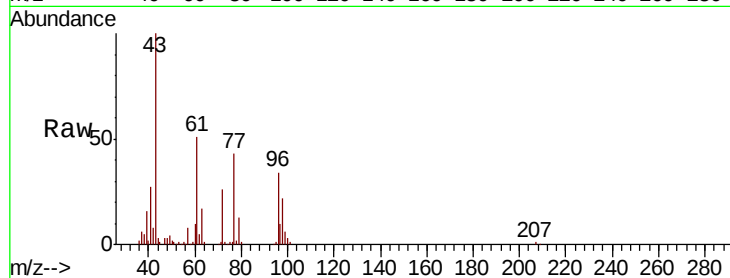
ClientSampled :

Tot Ion: 43 Resp: 328261

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN060296.D (-1470) (-)

Ion 72.00 (71.70 to 72.70): VN060296.D (-1470) (-)

6.80

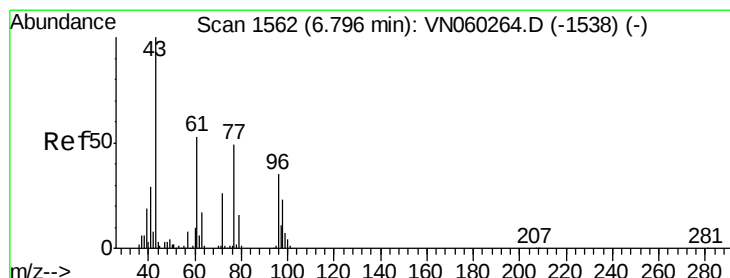
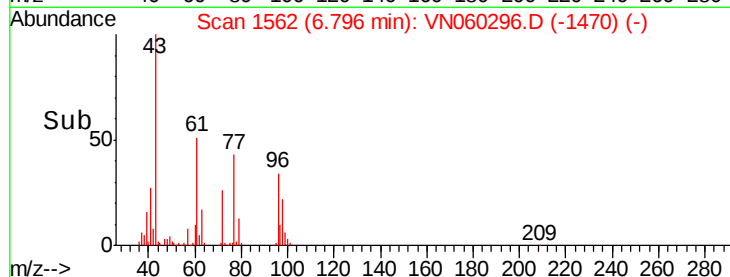
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 42.870 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060296.D

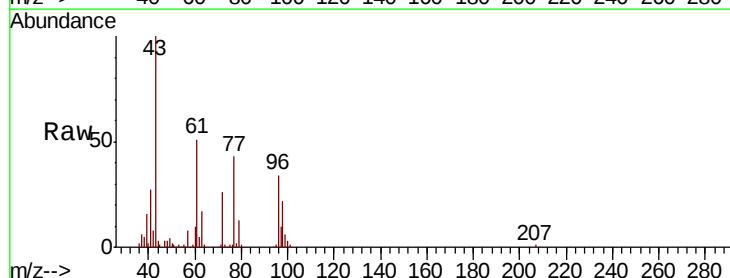
Acq: 28 Feb 2020 19:36

Tgt Ion: 77 Resp: 157647

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN060296.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060296.D (-1469) (-)

6.80

50000

40000

30000

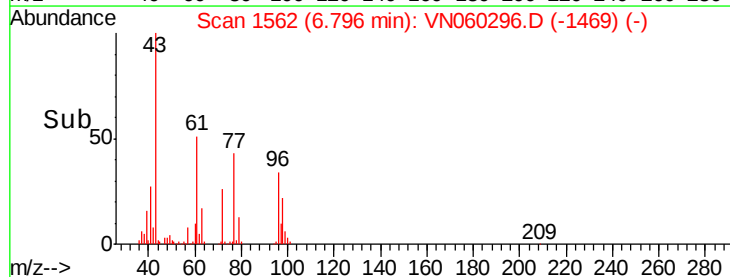
20000

10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 43.937 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :

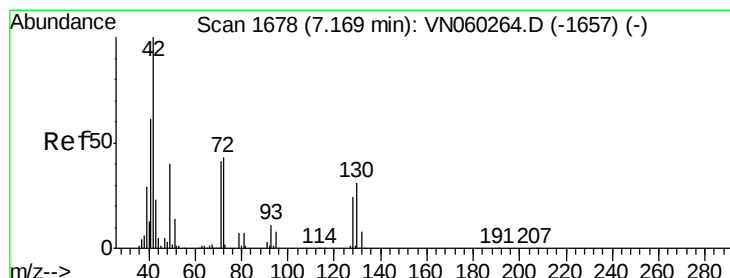
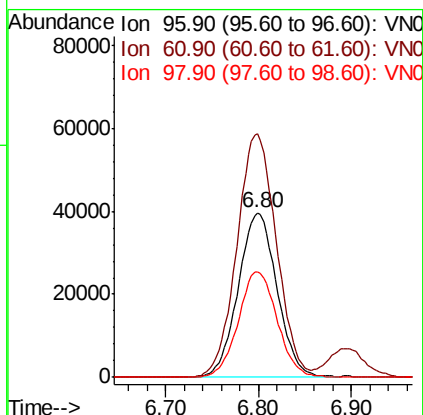
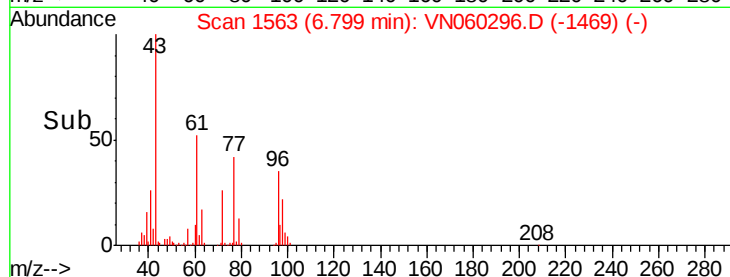
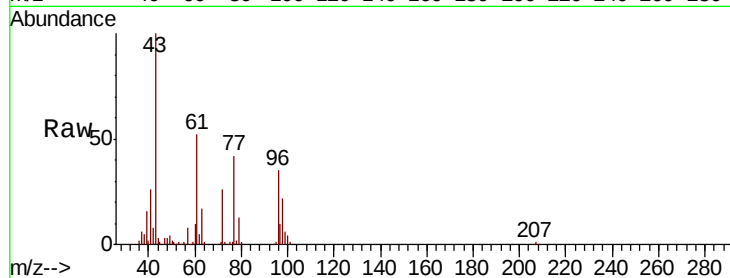
Tot Ion: 96 Resp: 115289

Ion Ratio Lower Upper

96 100

61 150.3 0.0 300.8

98 64.2 0.0 128.2



#28

Bromochloromethane

Concen: 45.931 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

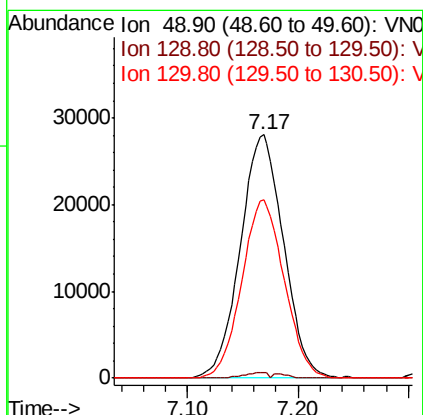
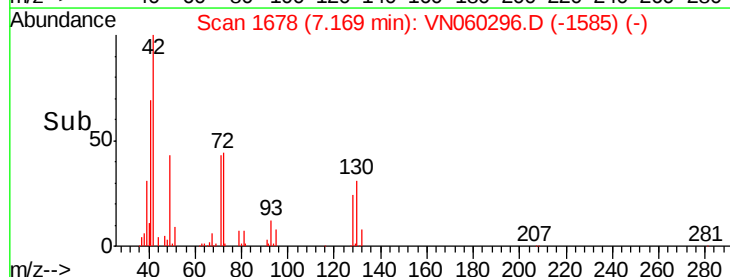
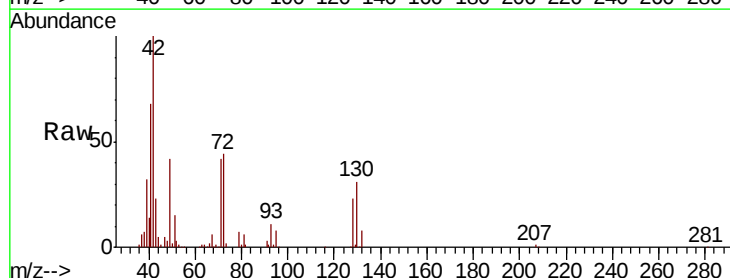
Tgt Ion: 49 Resp: 76175

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.8

130 71.7 59.8 89.8

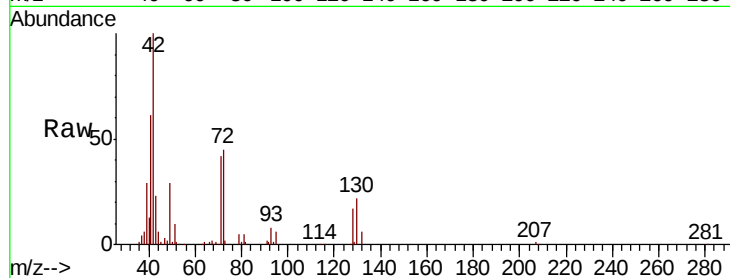




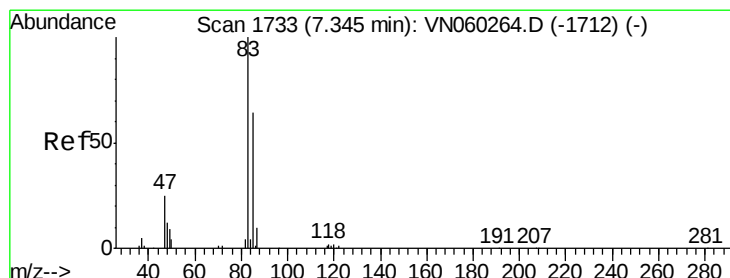
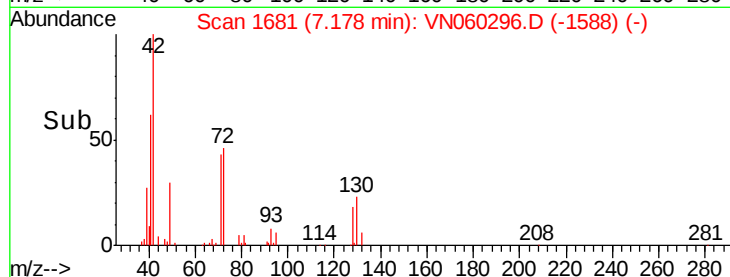
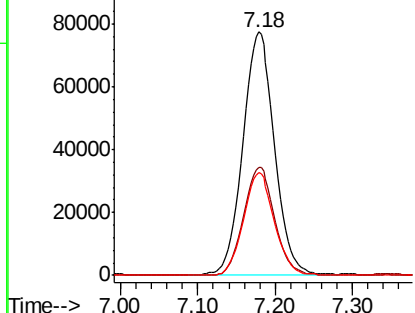
#29
Tetrahydrofuran
Concen: 238.969 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	52.0
71	41.1	32.9	49.3

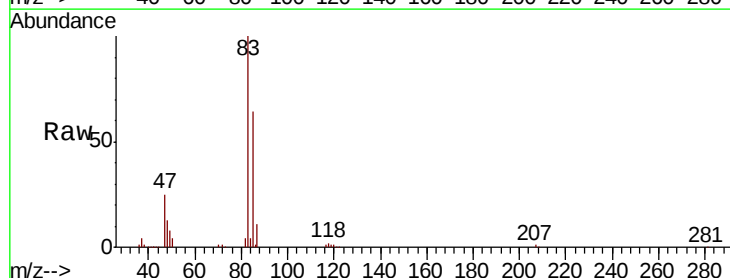


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

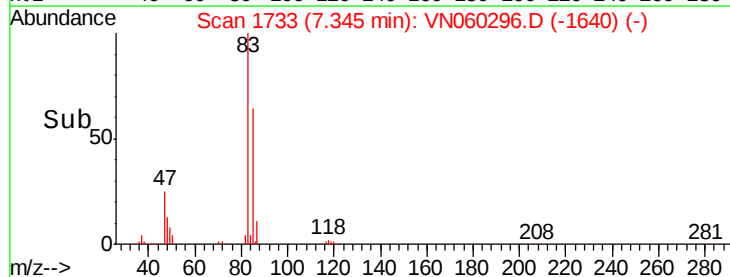
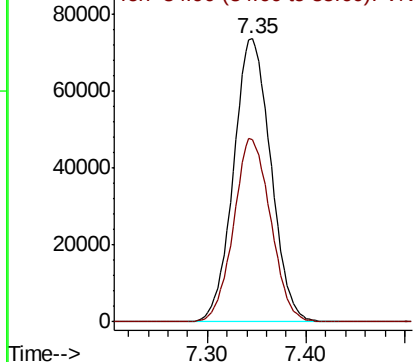


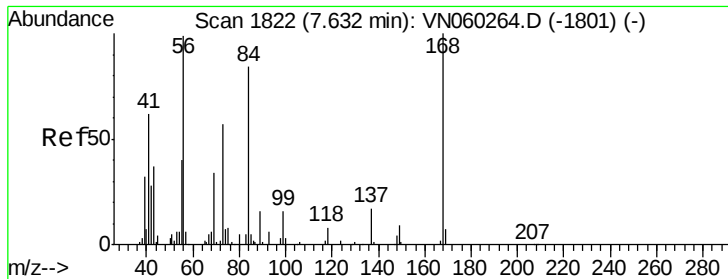
#30
Chloroform
Concen: 47.938 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	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: 48.827 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :

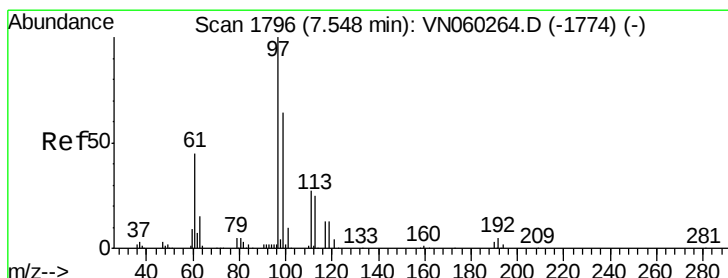
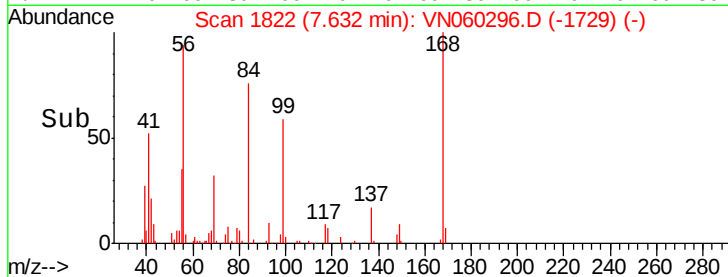
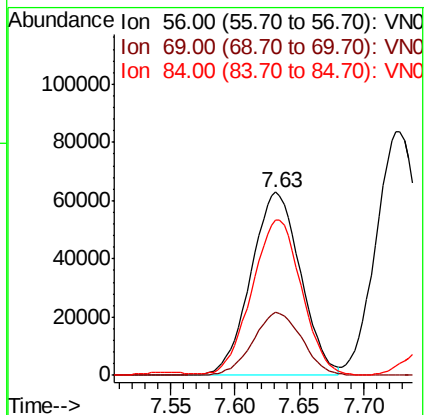
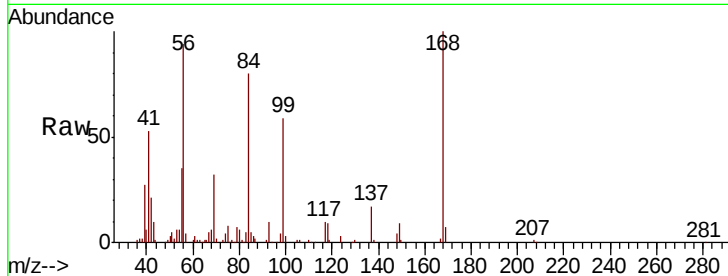
Tot Ion: 56 Resp: 168413

Ion Ratio Lower Upper

56 100

69 34.4 27.2 40.8

84 83.7 66.7 100.1



#32

1,1,1-Trichloroethane

Concen: 47.568 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

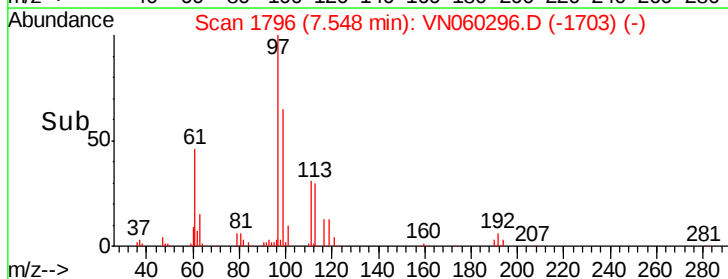
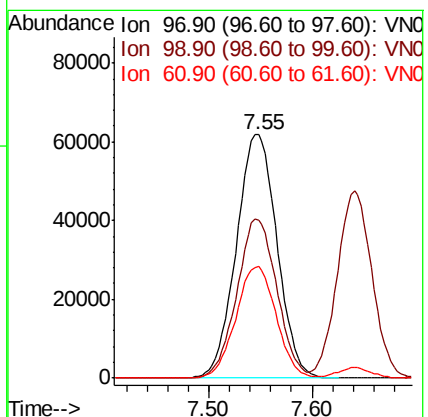
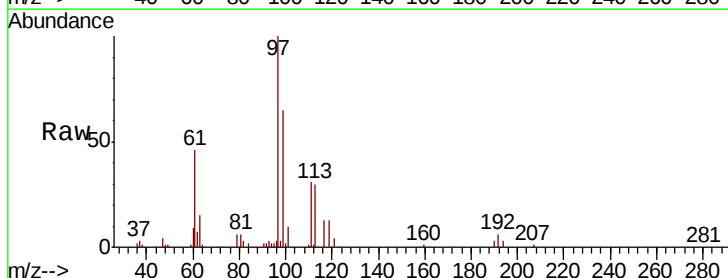
Tgt Ion: 97 Resp: 169470

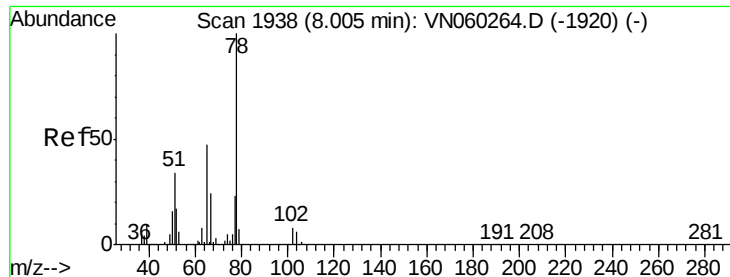
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 45.5 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 50.971 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

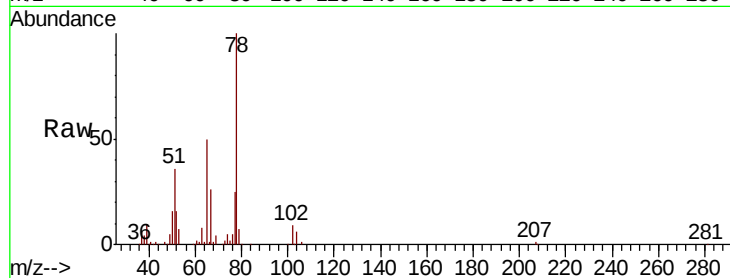
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 130056

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060296.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060296.D (-1920) (-)

8.00

60000

50000

40000

30000

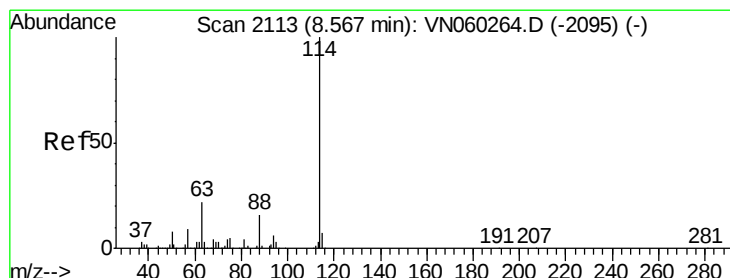
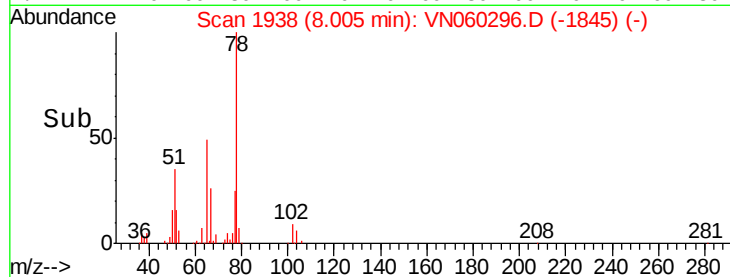
20000

10000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

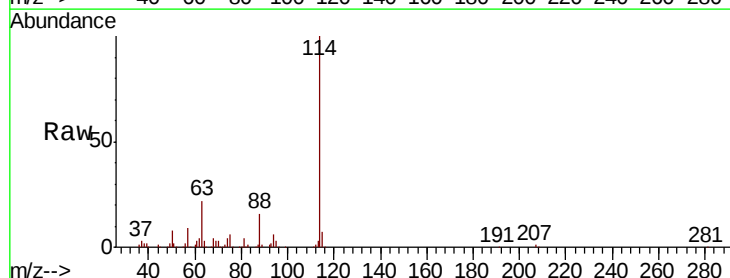
Tgt Ion: 114 Resp: 330294

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060296.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060296.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060296.D (-2095) (-)

8.57

200000

150000

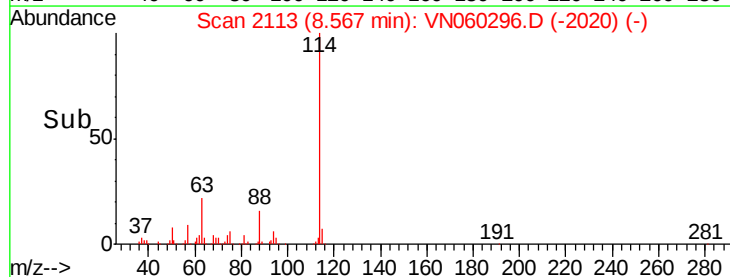
100000

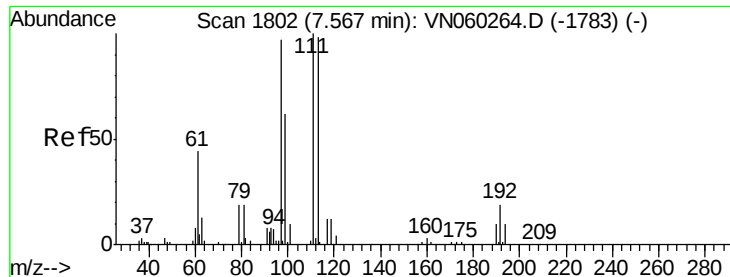
50000

0

Time-->

8.50 8.55 8.60 8.65

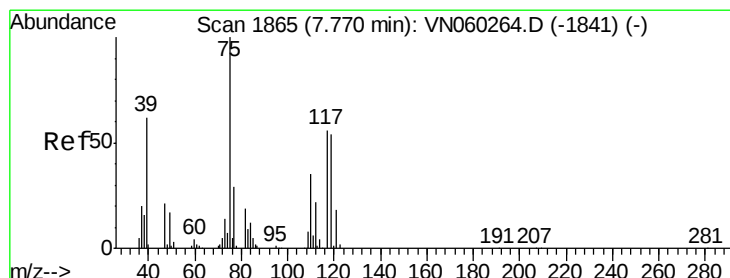
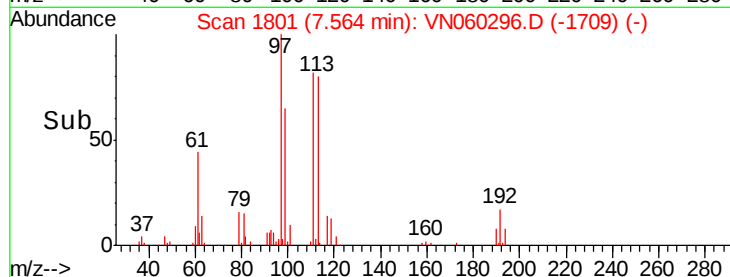
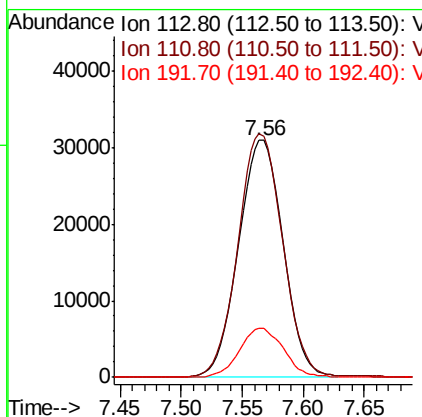
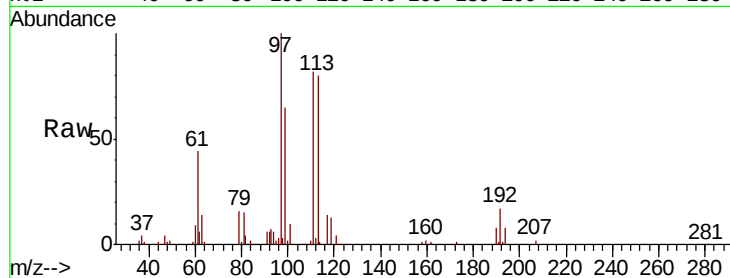




#35
 Dibromofluoromethane
 Concen: 51.187 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

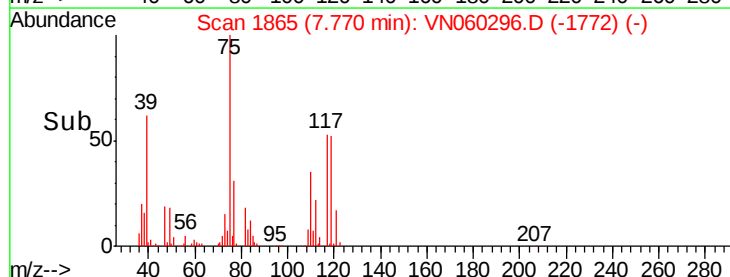
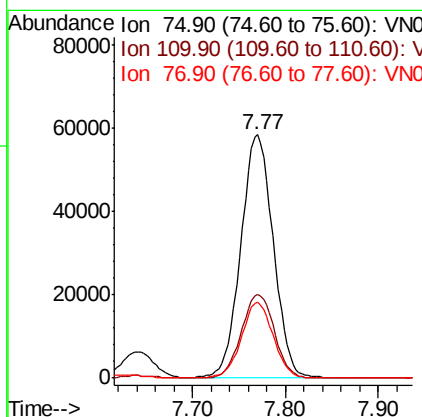
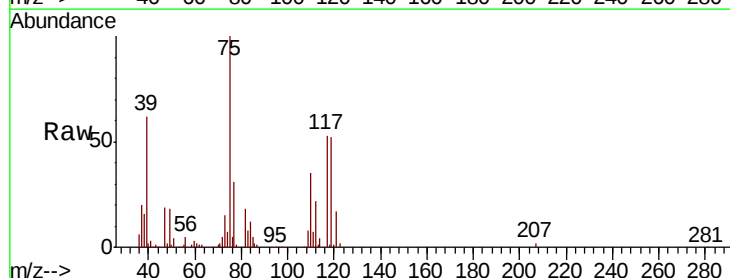
Instrument :
 MSVOA_N
 ClientSampleId :

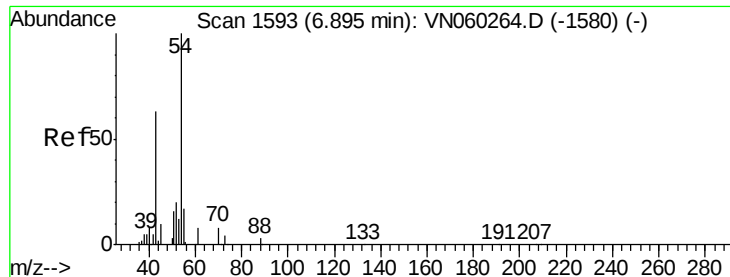
Tot Ion:113 Resp: 78476
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 44.956 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion: 75 Resp: 141516
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.3 52.0
 77 30.7 24.2 36.2

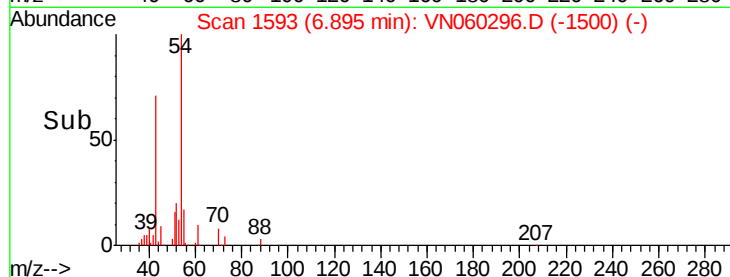
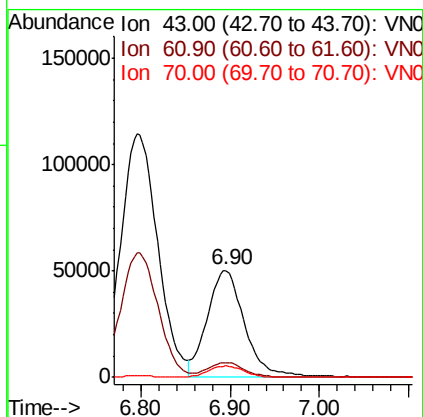
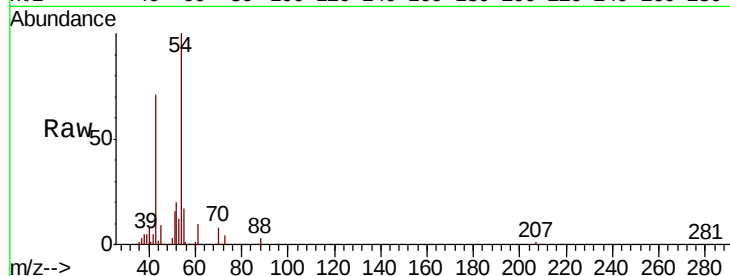




#37
Ethyl Acetate
Concen: 48.021 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

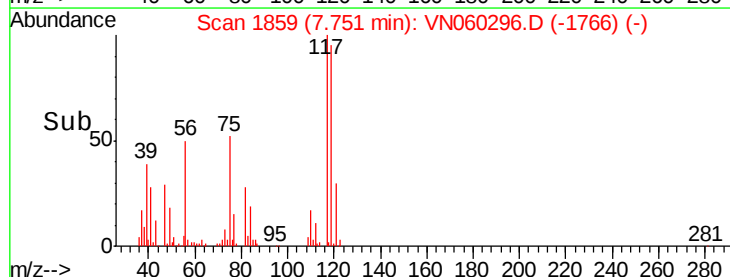
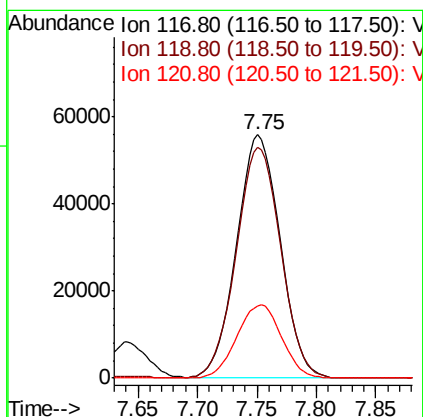
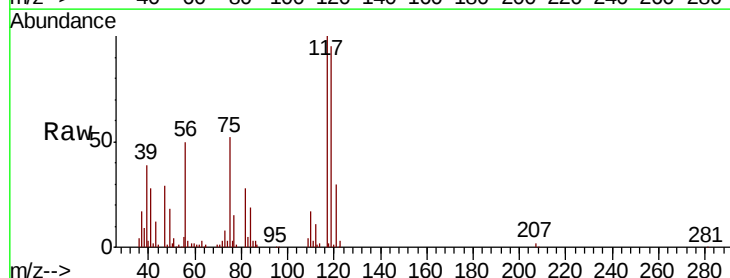
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 143132
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.328 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 117 Resp: 141988
Ion Ratio Lower Upper
117 100
119 94.9 76.7 115.1
121 29.6 24.5 36.7

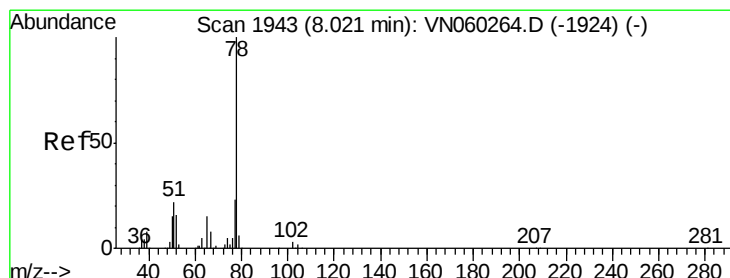
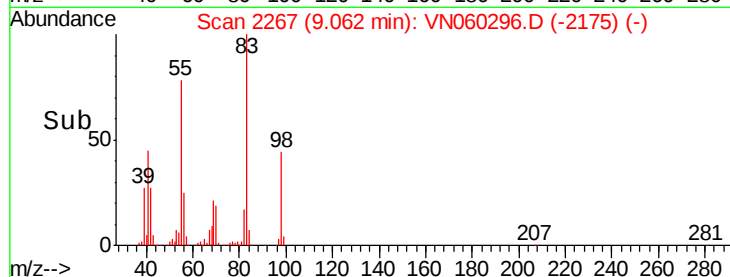
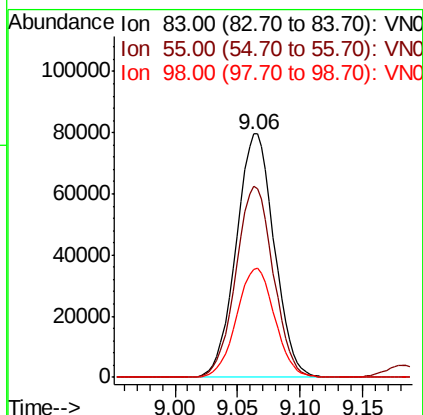
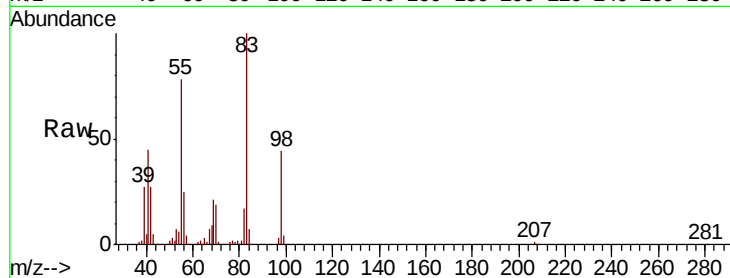




#39
Methvlcvclohexane
Concen: 45.237 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

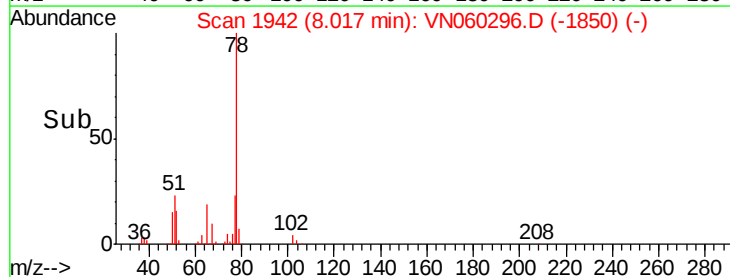
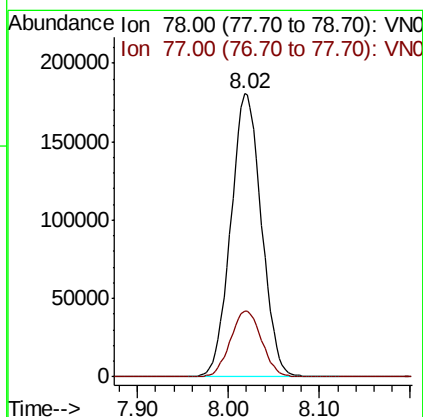
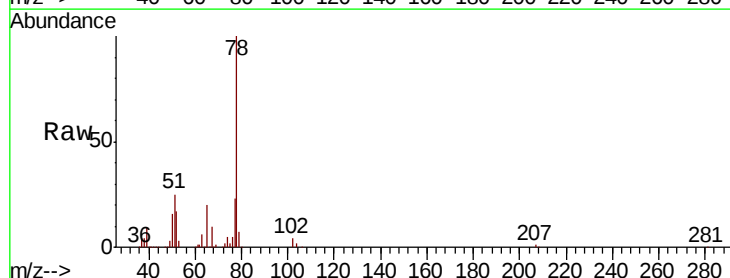
Instrument :
MSVOA_N
ClientSampled :

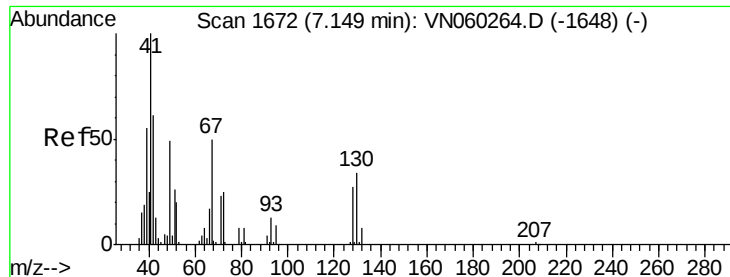
Tot Ion: 83 Resp: 167898
Ion Ratio Lower Upper
83 100
55 78.4 61.0 91.4
98 44.5 36.1 54.1



#40
Benzene
Concen: 46.150 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 78 Resp: 422831
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

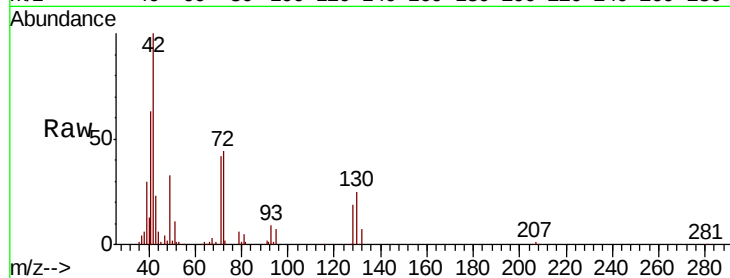




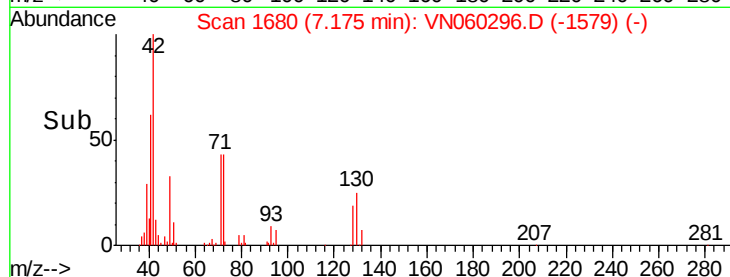
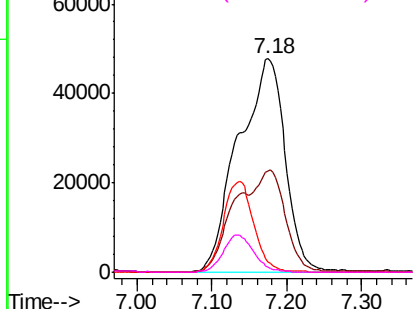
#41
Methacrylonitrile
Concen: 150.428 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	207029
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

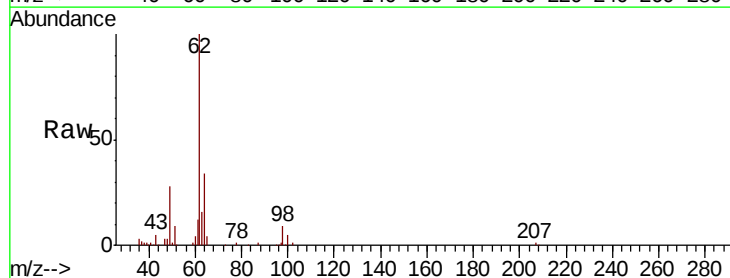


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

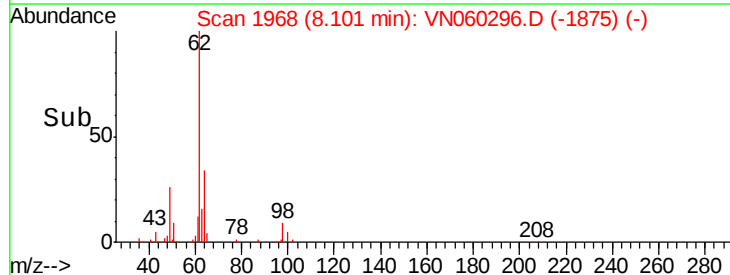
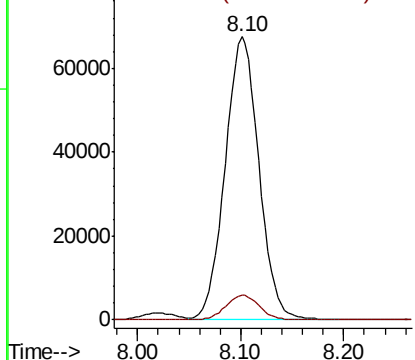


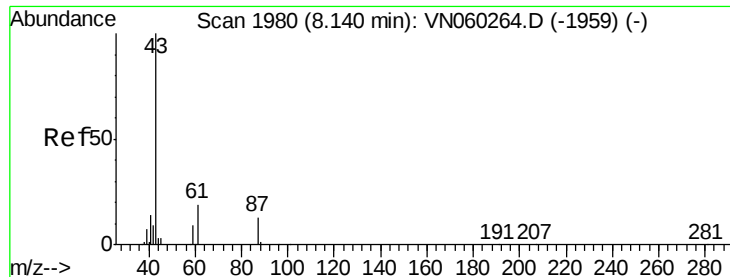
#42
1,2-Dichloroethane
Concen: 46.672 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion:	62	Resp:	154306
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



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



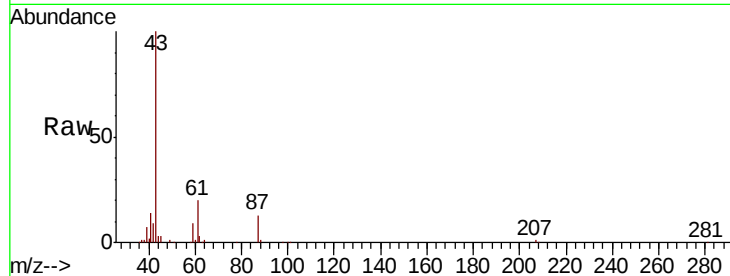


#43

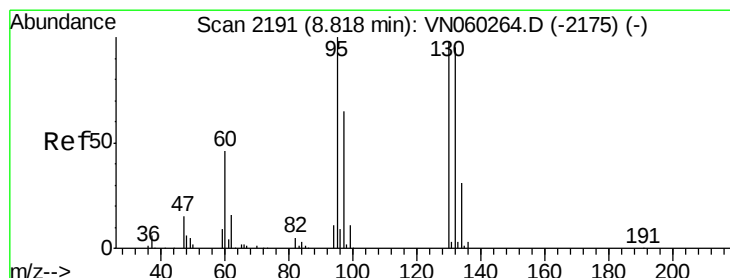
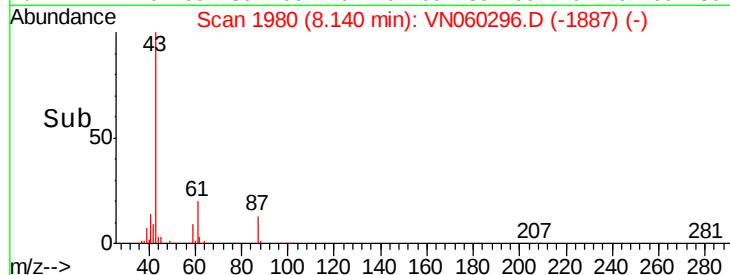
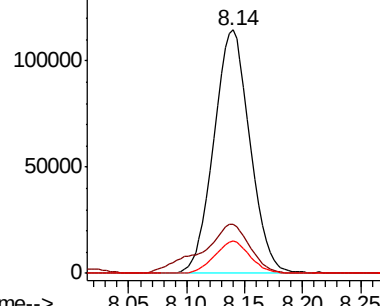
Isopropyl Acetate
 Concen: 47.783 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	43	Resp	249337
Ion Ratio	Lower	Upper	
43	100		
61	26.7	20.9	31.3
87	12.9	10.6	16.0



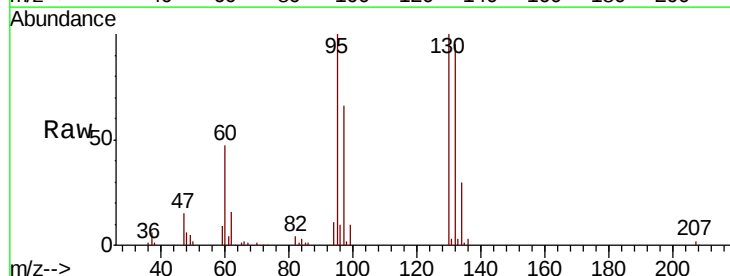
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



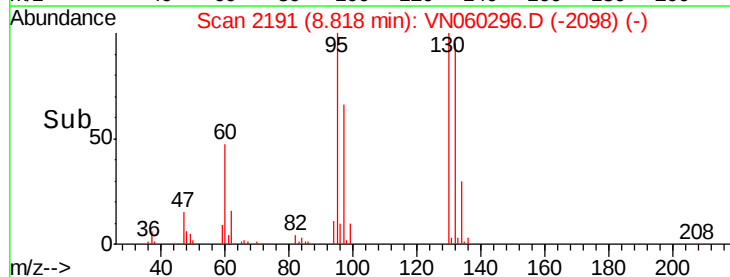
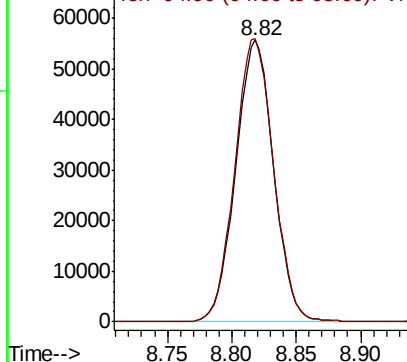
#44

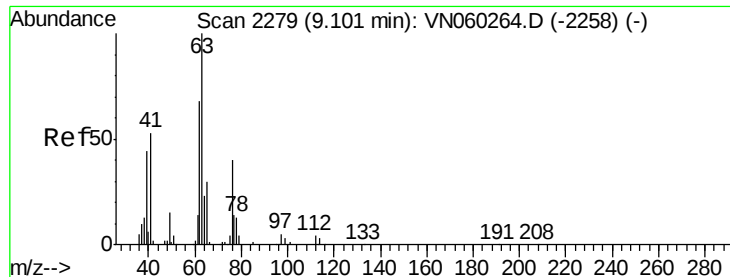
Trichloroethene
 Concen: 44.595 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion	130	Resp	113793
Ion Ratio	Lower	Upper	
130	100		
95	100.4	0.0	203.4



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





#45

1,2-Dichloropropane

Concen: 48.391 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

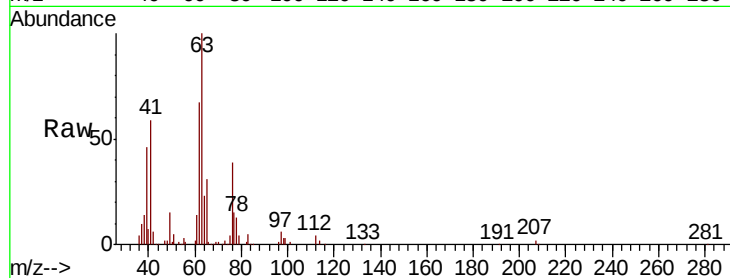
ClientSampleId :

Tot Ion: 63 Resp: 115918

Ion Ratio Lower Upper

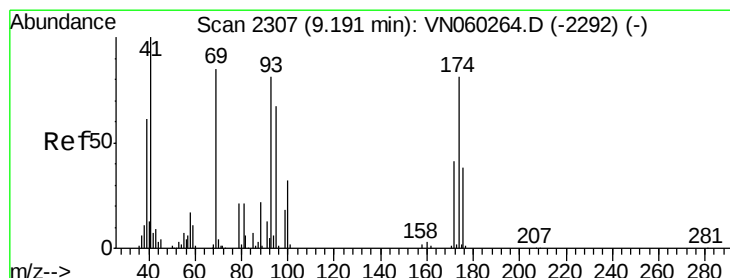
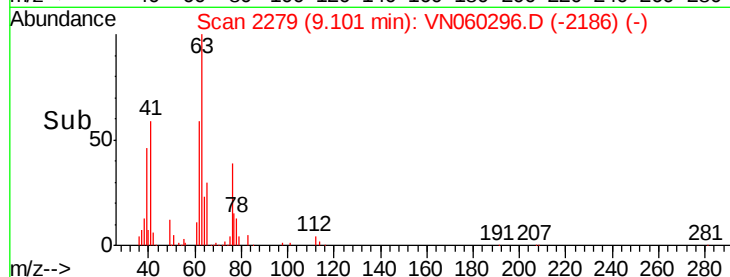
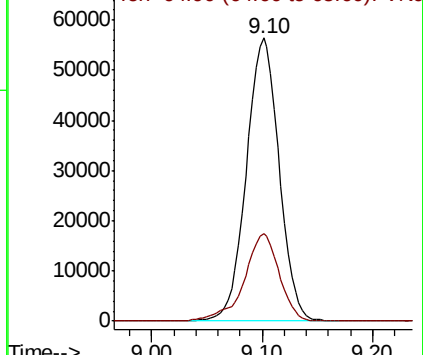
63 100

65 31.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 46.683 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

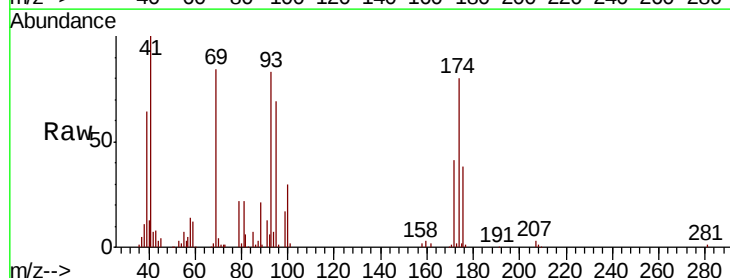
Tgt Ion: 93 Resp: 72560

Ion Ratio Lower Upper

93 100

95 83.3 65.9 98.9

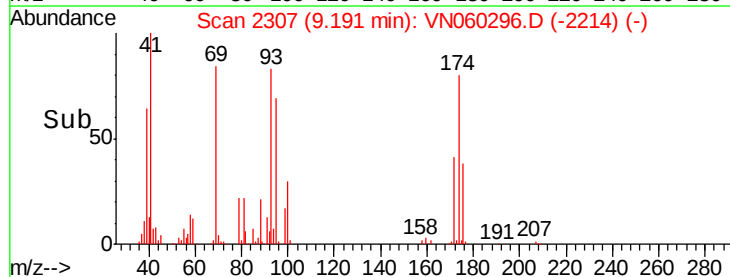
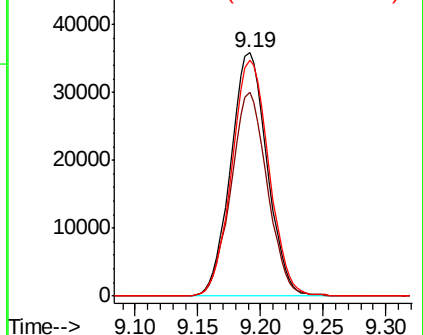
174 98.9 79.6 119.4

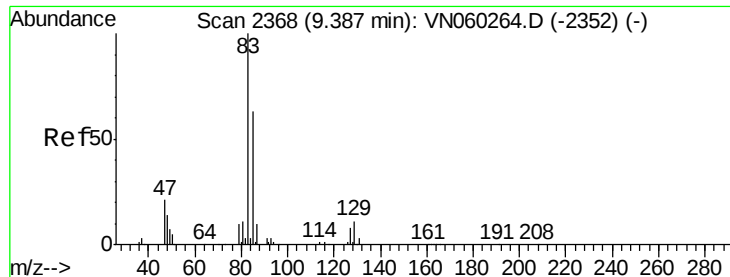


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.600 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampled :

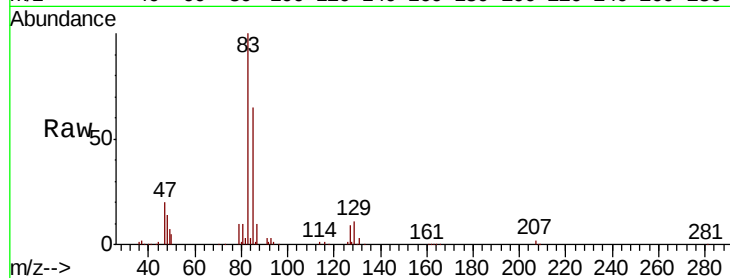
Tot Ion: 83 Resp: 153635

Ion Ratio Lower Upper

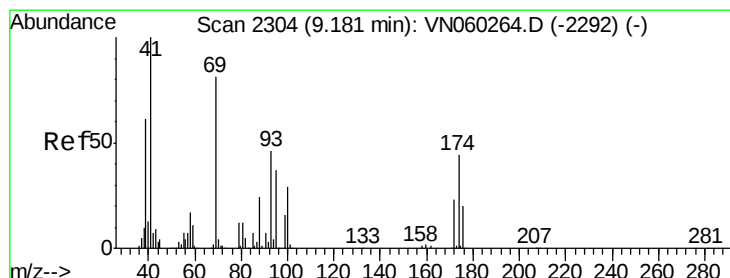
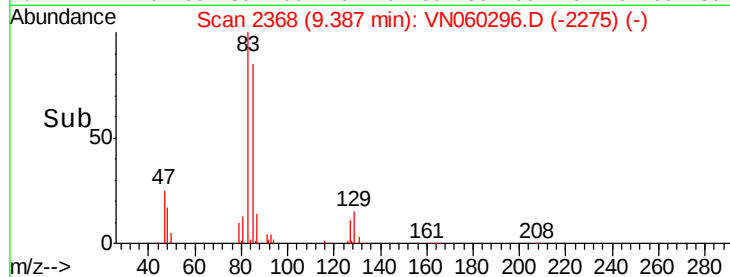
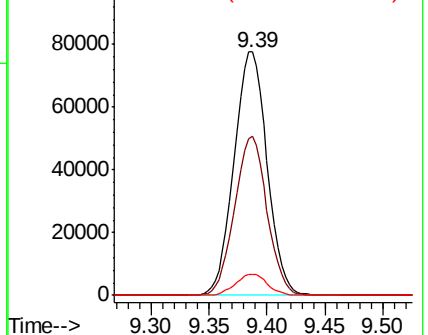
83 100

85 65.2 50.7 76.1

127 8.7 6.8 10.2



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



#48

Methyl methacrylate

Concen: 47.105 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

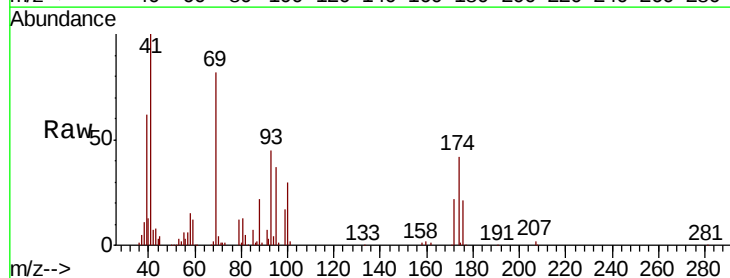
Tgt Ion: 41 Resp: 112088

Ion Ratio Lower Upper

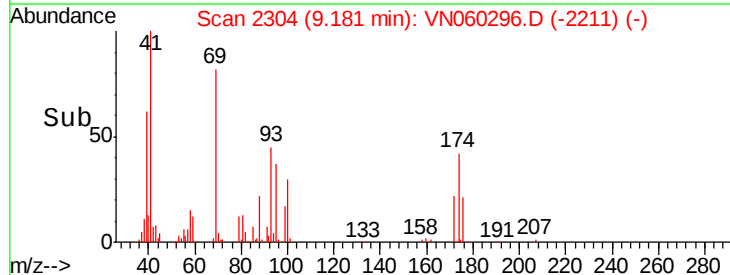
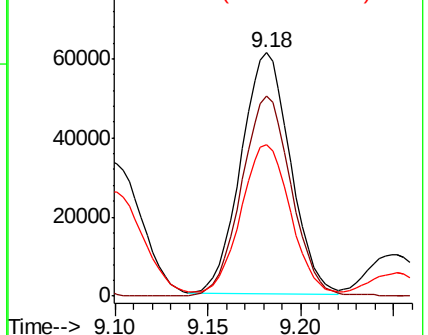
41 100

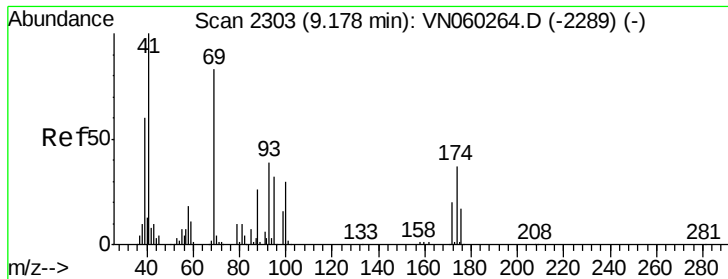
69 84.2 66.7 100.1

39 63.9 50.1 75.1



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

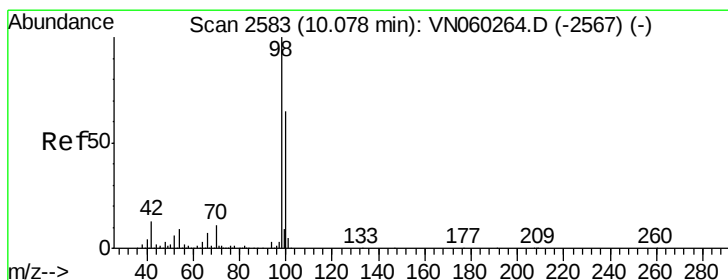
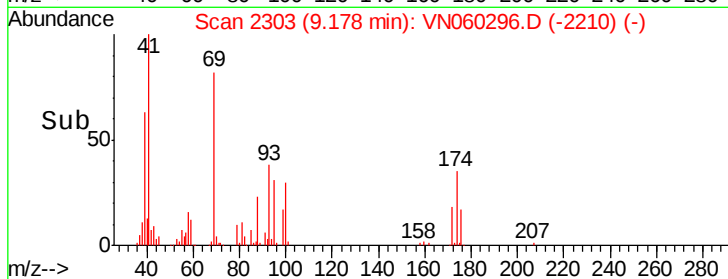
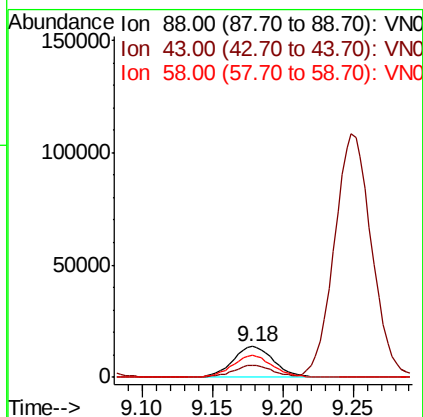
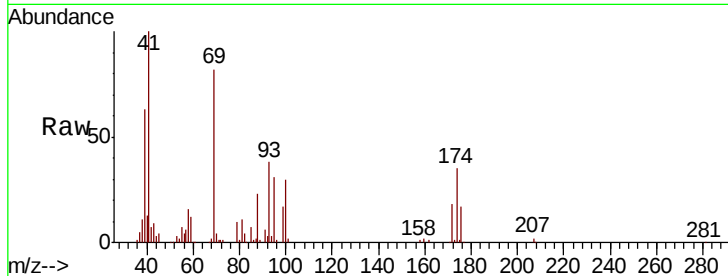




#49
1,4-Dioxane
Concen: 833.976 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

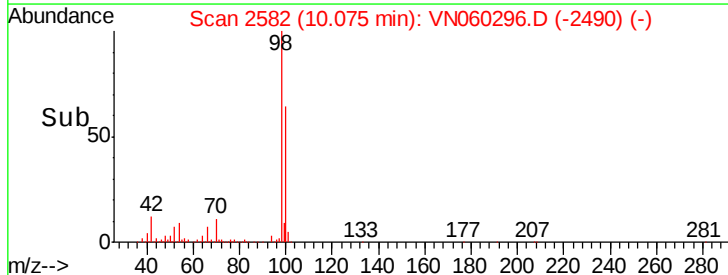
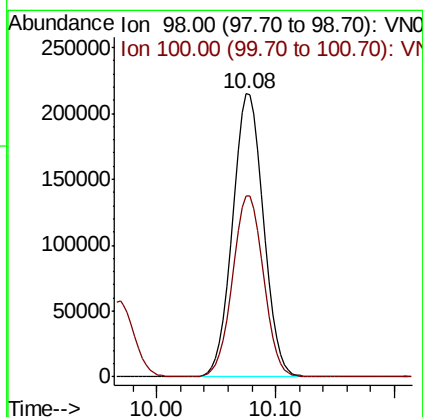
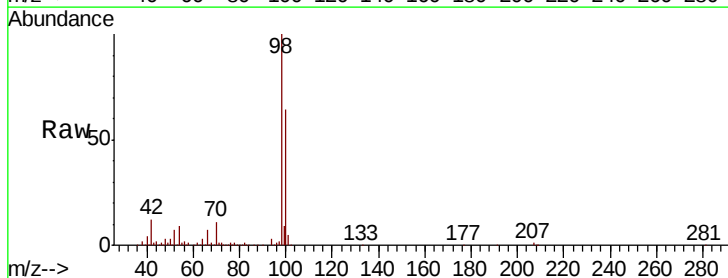
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 27907
Ion Ratio Lower Upper
88 100
43 37.5 30.4 45.6
58 69.8 57.0 85.6



#50
Toluene-d8
Concen: 49.916 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 98 Resp: 387315
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 247.691 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

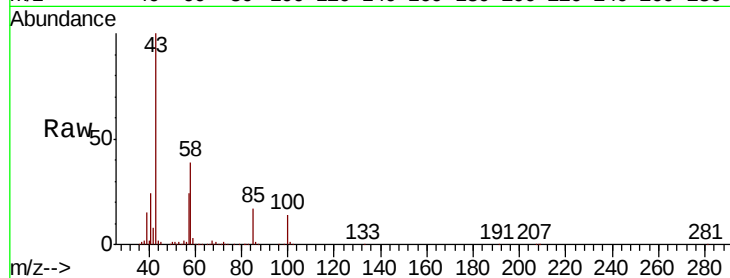
ClientSampleId :

Tot Ion: 43 Resp: 732813

Ion Ratio Lower Upper

43 100

58 38.5 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

400000

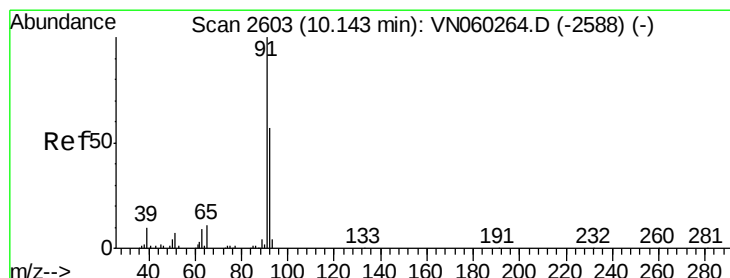
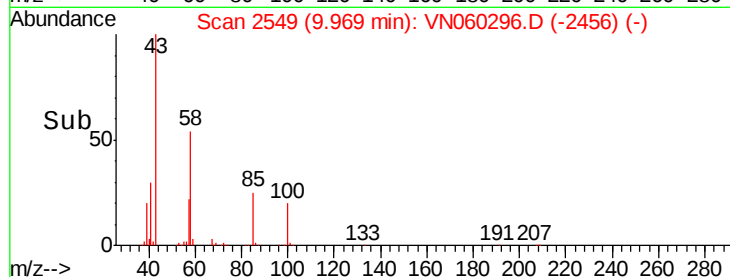
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.454 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060296.D

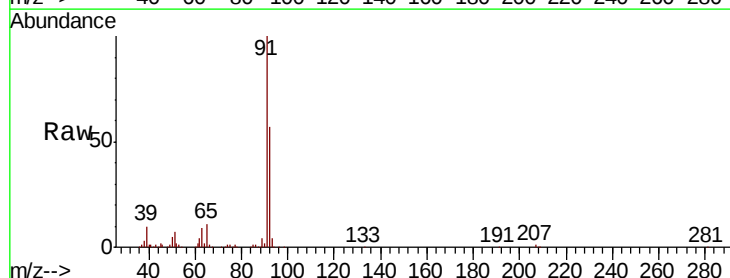
Acq: 28 Feb 2020 19:36

Tgt Ion: 92 Resp: 267358

Ion Ratio Lower Upper

92 100

91 174.2 138.1 207.1



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

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

300000

250000

200000

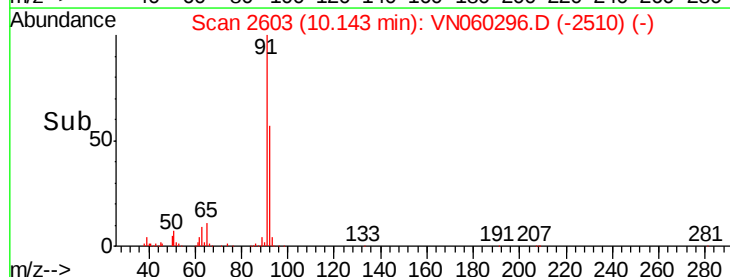
150000

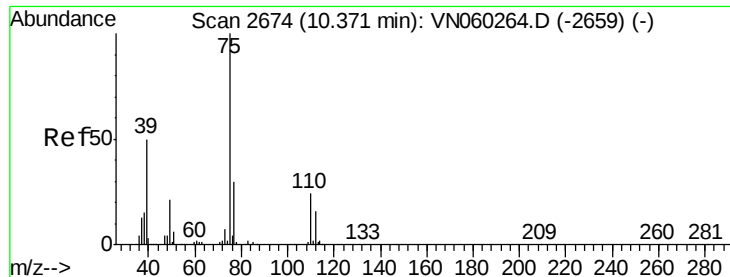
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.093 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

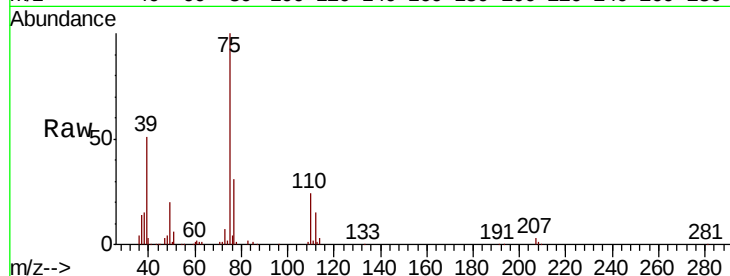
ClientSampled :

Tot Ion: 75 Resp: 174670

Ion Ratio Lower Upper

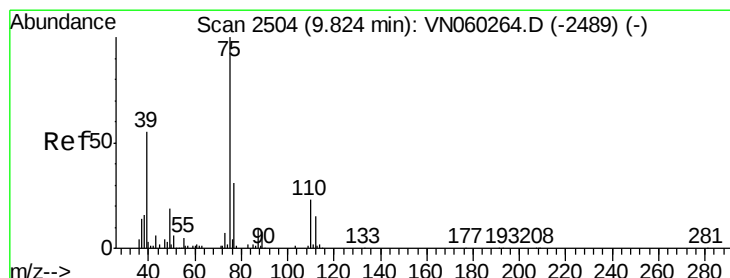
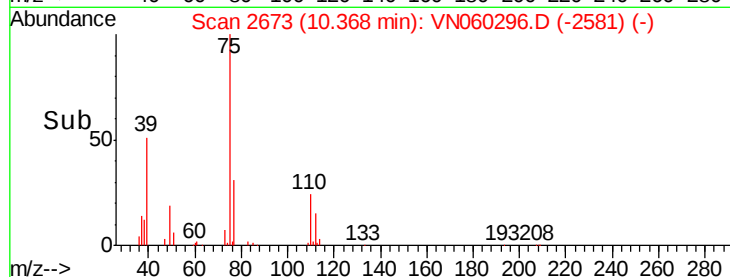
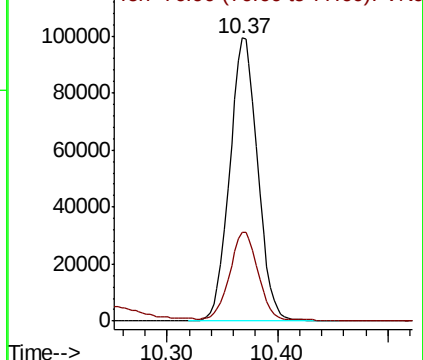
75 100

77 30.8 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: 46.070 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

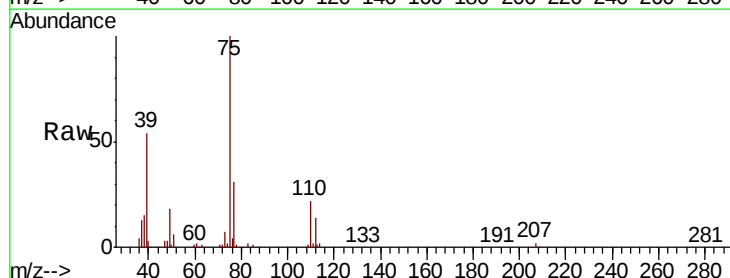
Tgt Ion: 75 Resp: 184915

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

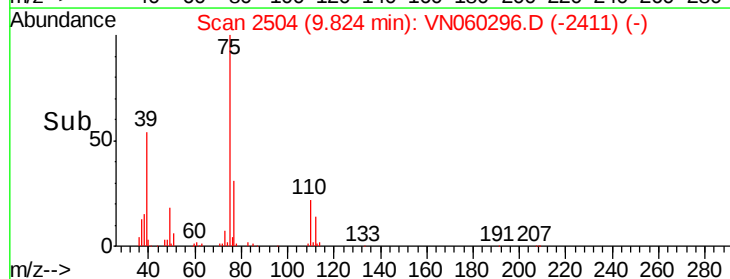
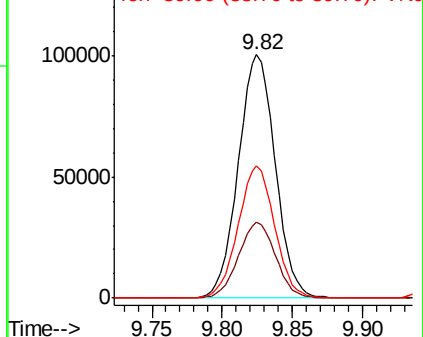
39 54.0 43.8 65.8

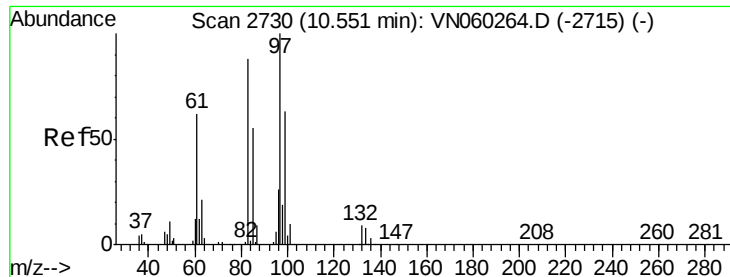


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

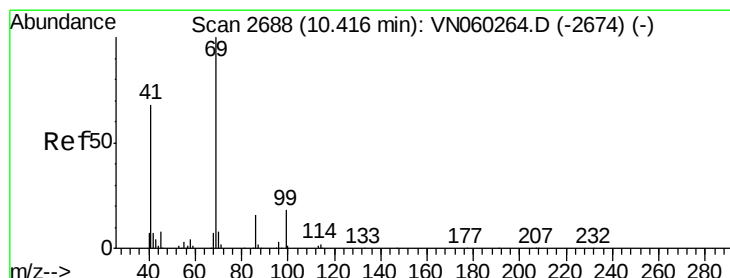
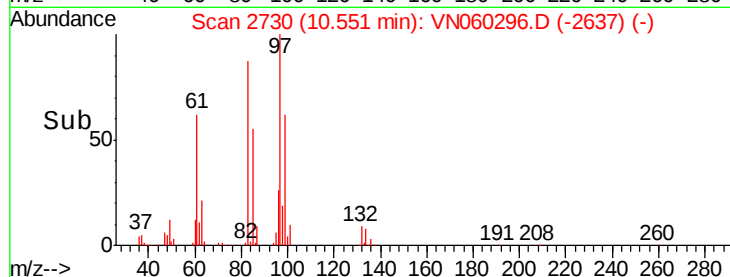
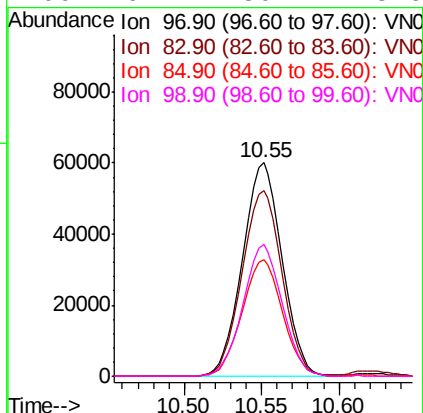
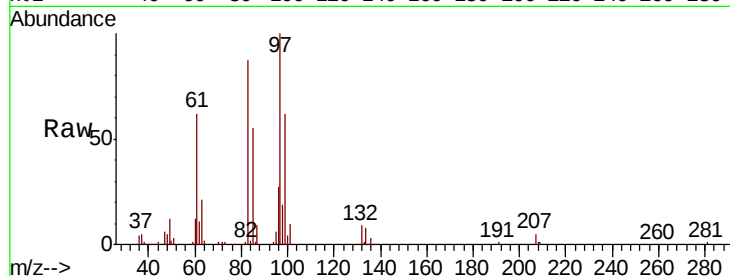




#55
 1,1,2-Trichloroethane
 Concen: 46.462 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

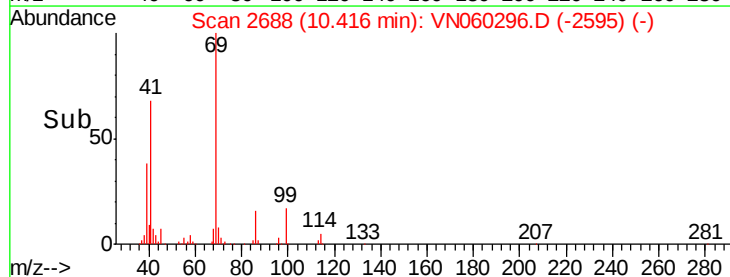
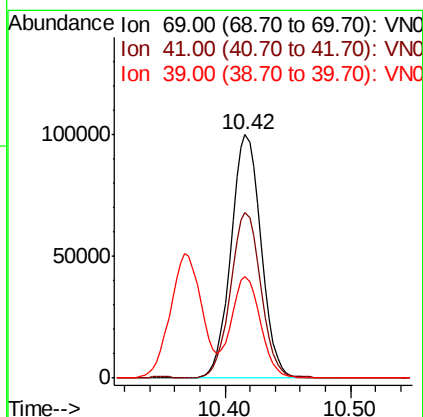
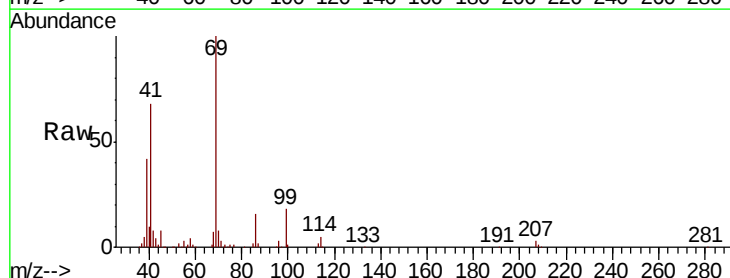
Instrument :
 MSVOA_N
 ClientSampleId :

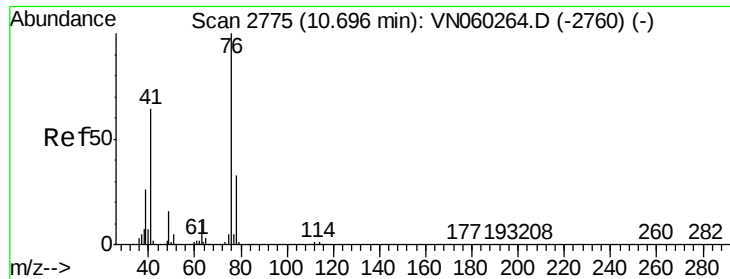
Tot Ion: 97 Resp: 107534
 Ion Ratio Lower Upper
 97 100
 83 87.1 70.0 105.0
 85 54.7 44.0 66.0
 99 61.7 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 50.053 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion: 69 Resp: 166430
 Ion Ratio Lower Upper
 69 100
 41 68.0 54.1 81.1
 39 40.7 32.5 48.7





#57

1,3-Dichloropropane

Concen: 47.798 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

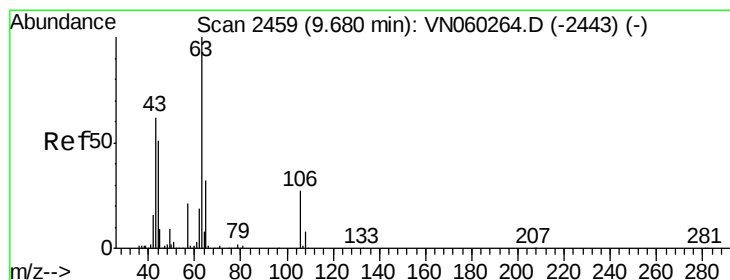
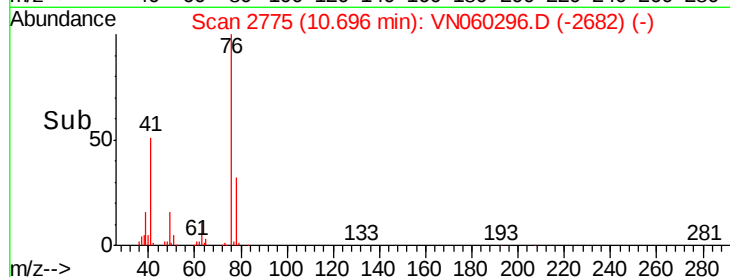
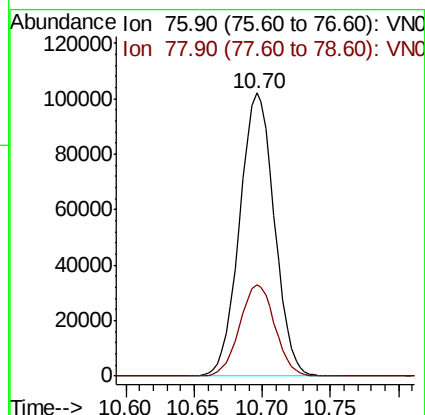
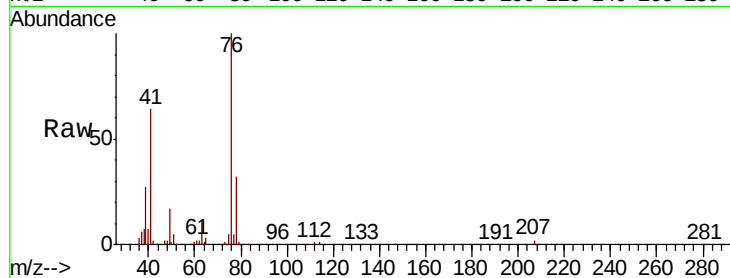
ClientSampled :

Tot Ion: 76 Resp: 180409

Ion Ratio Lower Upper

76 100

78 32.8 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 249.122 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060296.D

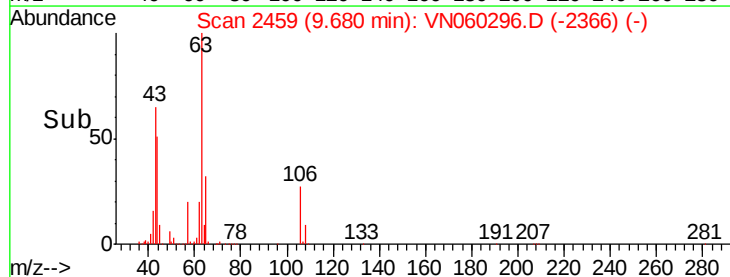
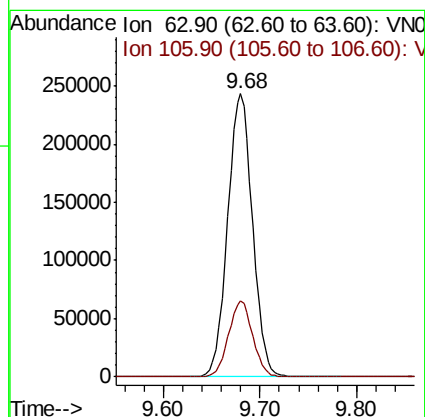
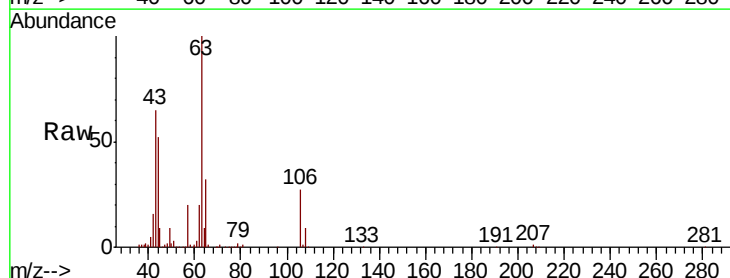
Acq: 28 Feb 2020 19:36

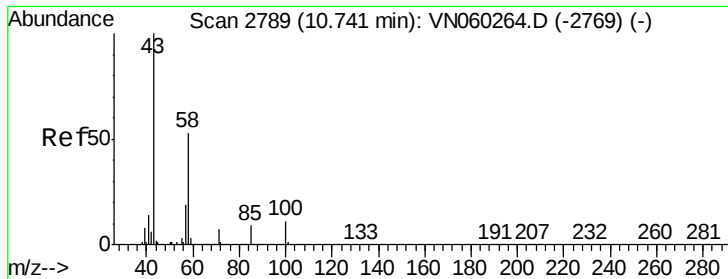
Tgt Ion: 63 Resp: 433228

Ion Ratio Lower Upper

63 100

106 26.1 21.1 31.7

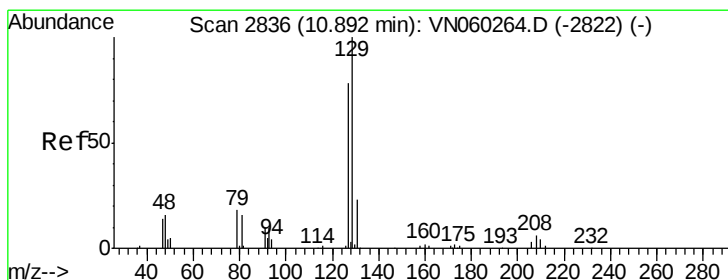
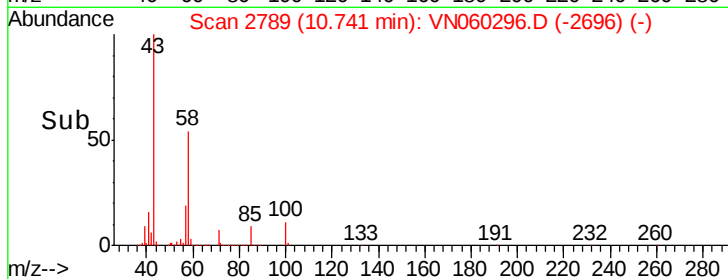
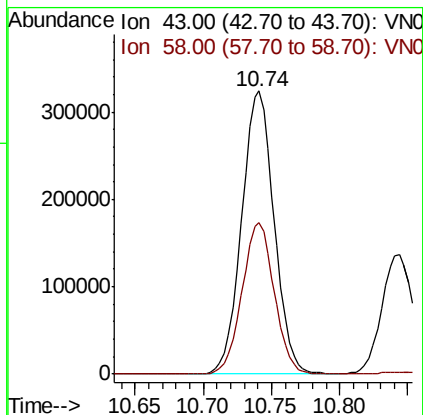
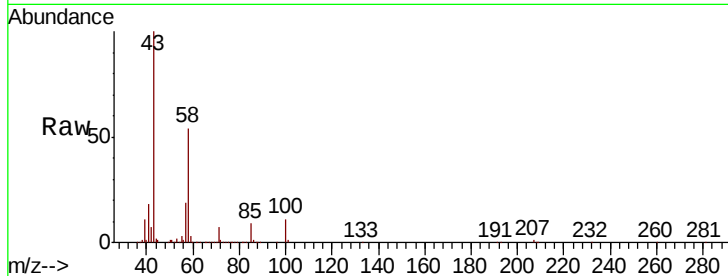




#59
2-Hexanone
Concen: 245.615 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

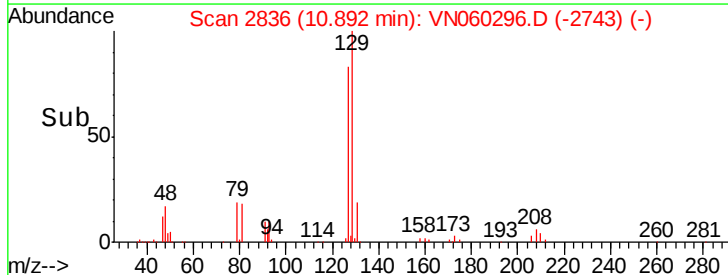
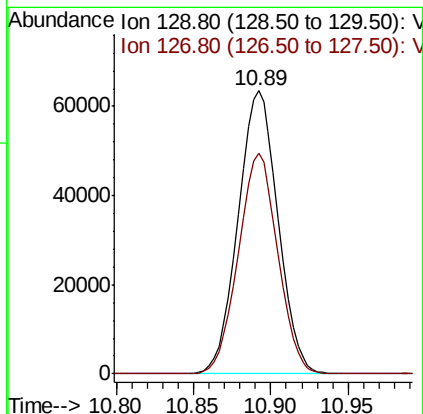
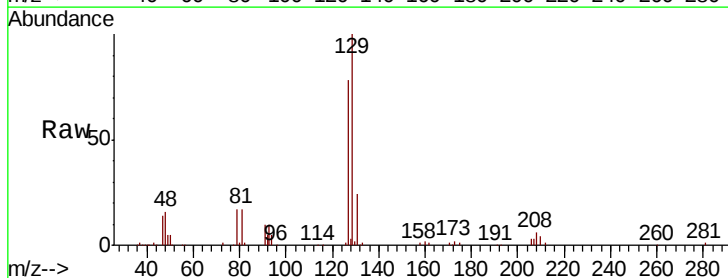
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 533540
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.5



#60
Dibromochloromethane
Concen: 48.317 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 129 Resp: 113723
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7

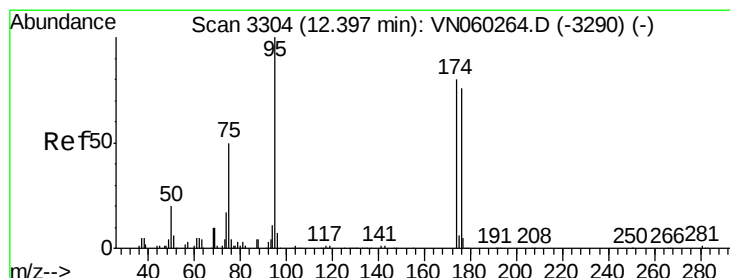
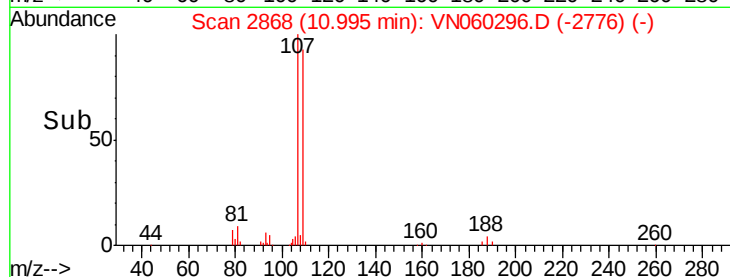
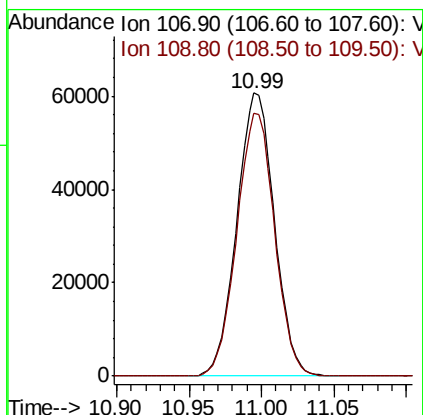
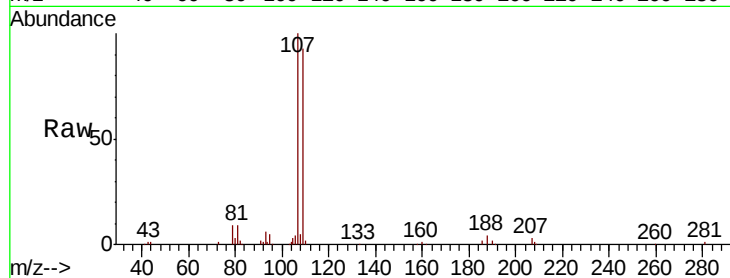




#61
1,2-Dibromoethane
Concen: 48.315 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

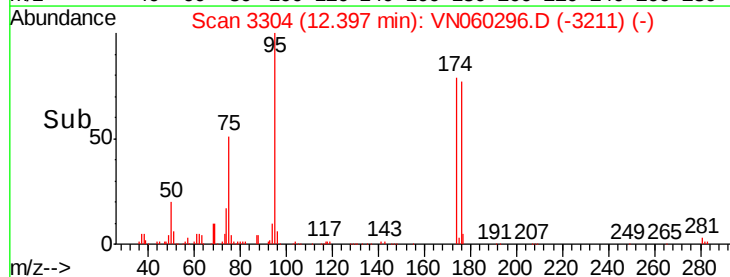
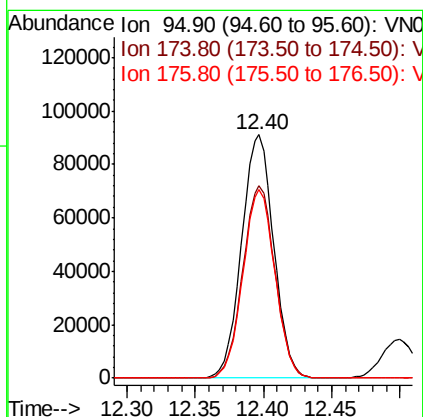
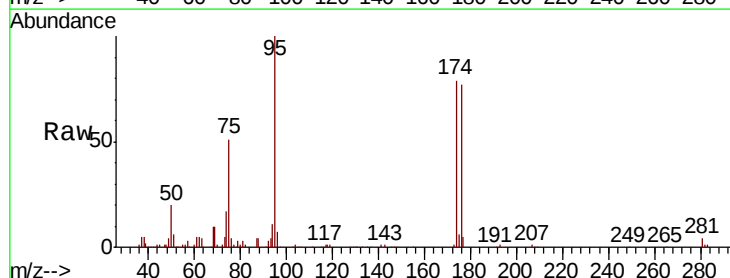
Instrument :
MSVOA_N
ClientSampleId :

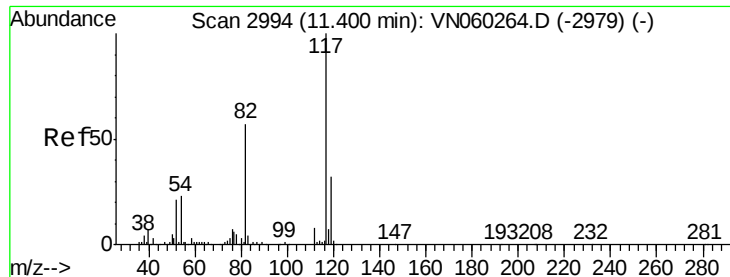
Tot Ion: 107 Resp: 109007
Ion Ratio Lower Upper
107 100
109 93.7 76.8 115.2



#62
4-Bromofluorobenzene
Concen: 50.707 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 95 Resp: 149149
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 77.1 0.0 153.8

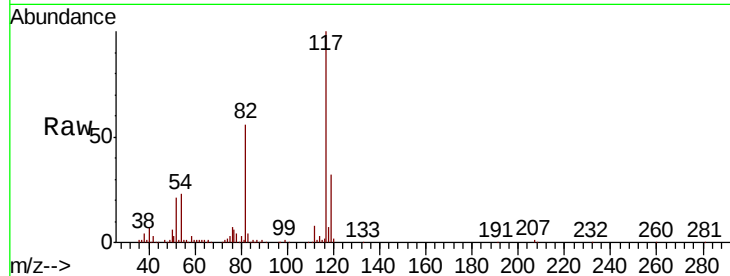




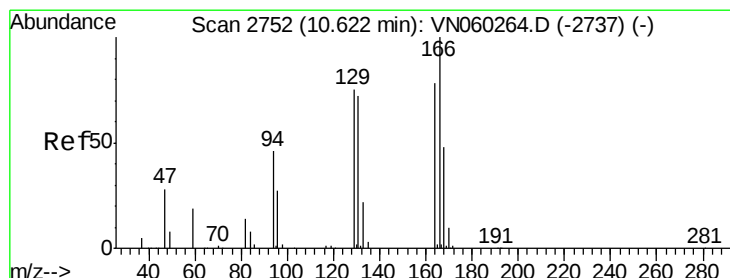
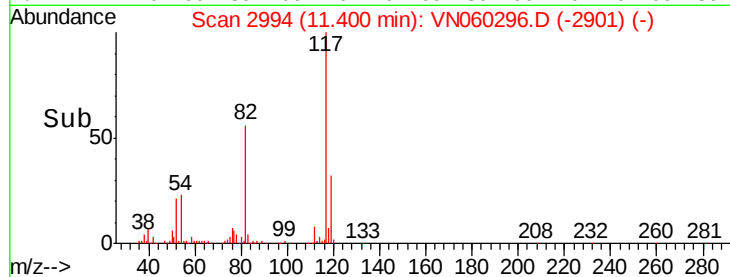
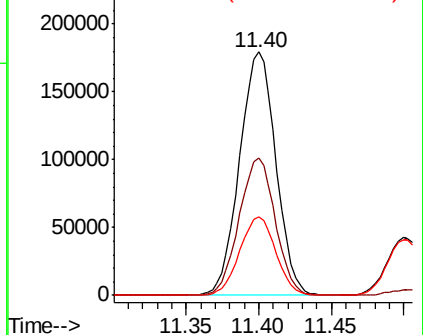
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 312633
Ion Ratio Lower Upper
117 100
82 56.4 45.8 68.6
119 32.0 25.8 38.8

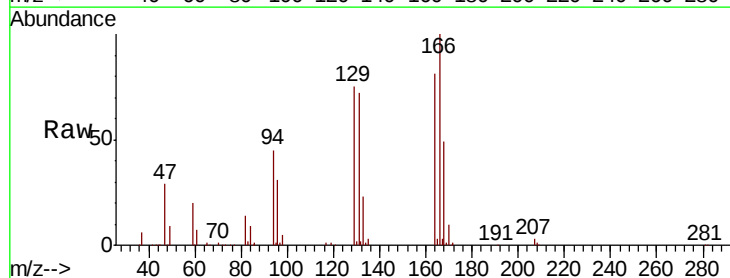


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

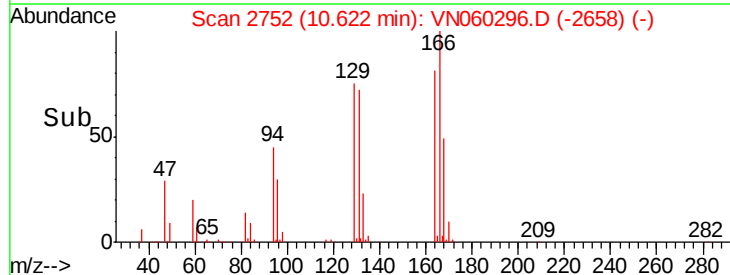
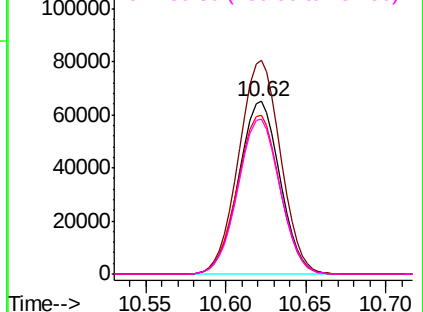


#64
Tetrachloroethene
Concen: 46.426 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion:164 Resp: 114528
Ion Ratio Lower Upper
164 100
166 123.7 102.0 153.0
129 92.2 76.4 114.6
131 89.4 73.6 110.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

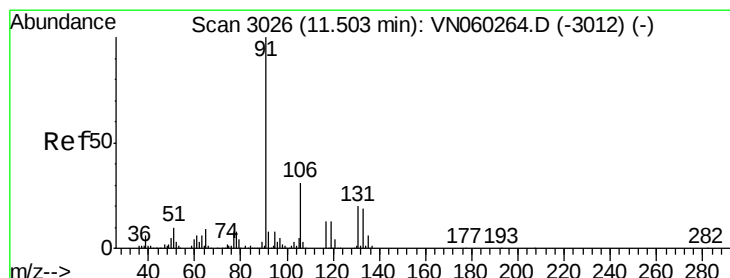
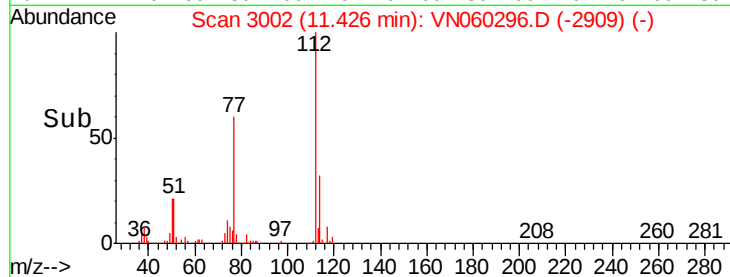
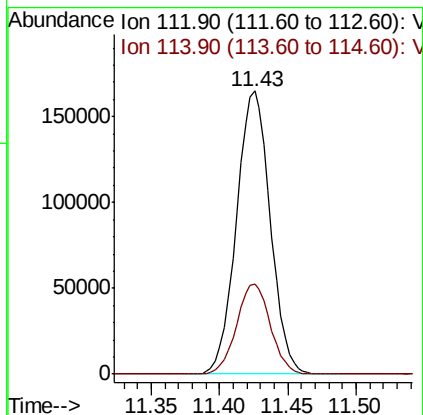
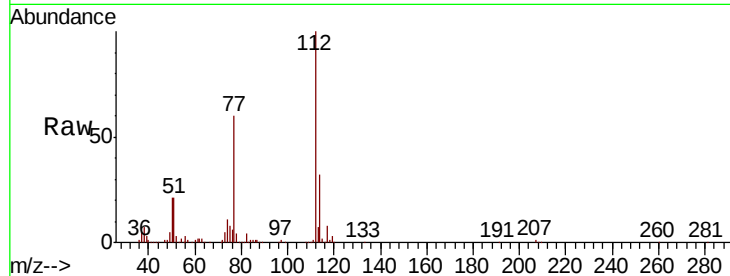




#65
Chlorobenzene
Concen: 44.809 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

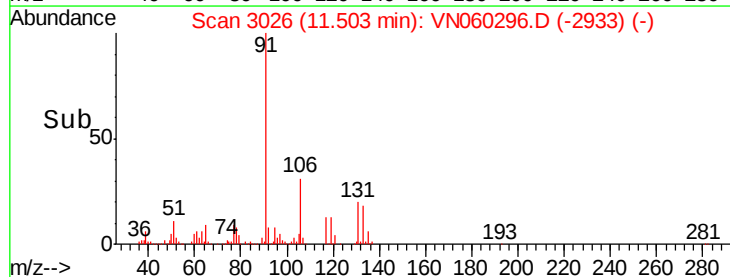
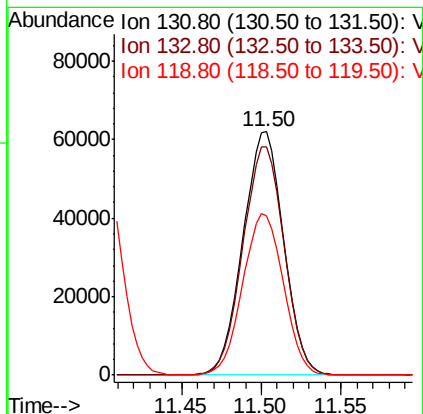
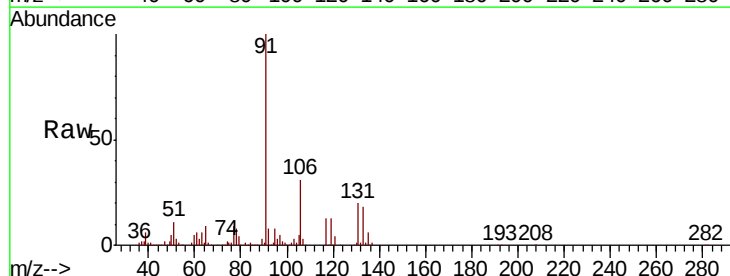
Instrument :
MSVOA_N
ClientSampleId :

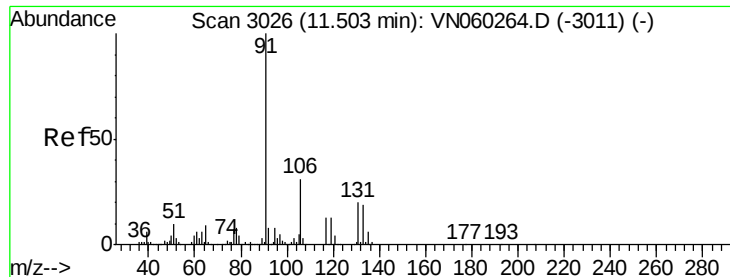
Tot Ion:112 Resp: 282873
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.306 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion:131 Resp: 108085
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 66.5 33.2 99.6

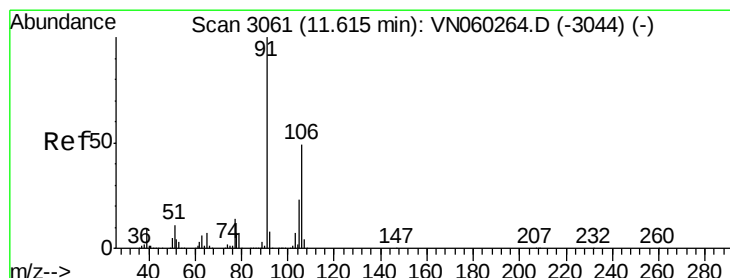
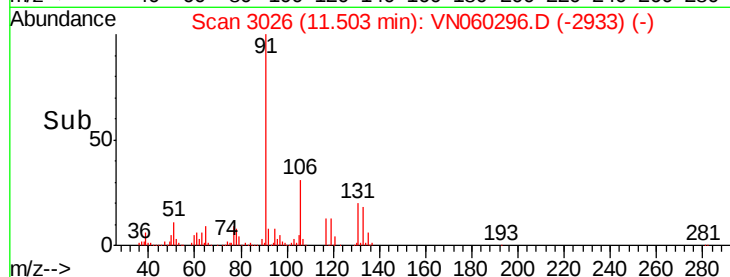
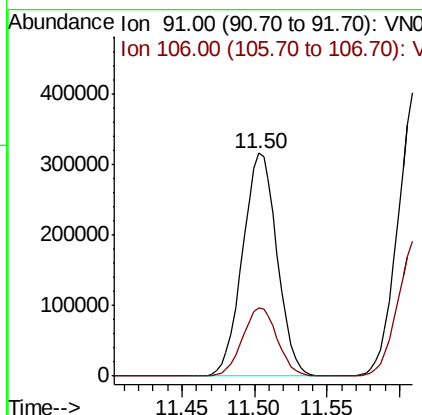
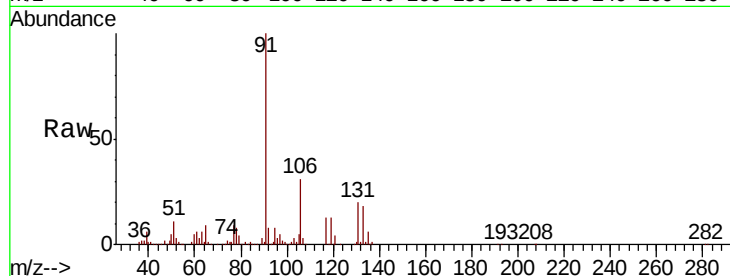




#67
Ethyl Benzene
Concen: 45.484 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

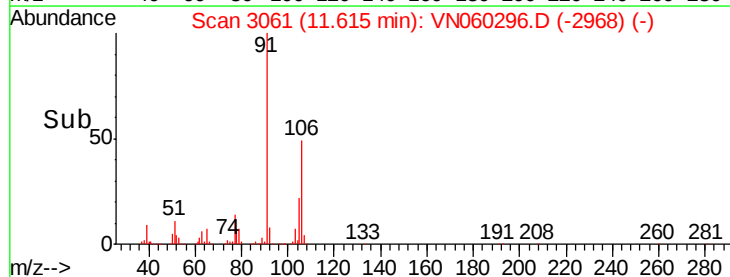
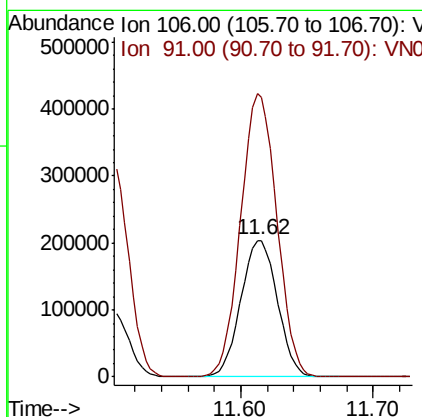
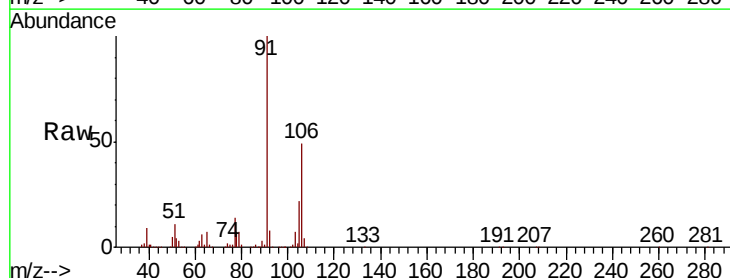
Instrument :
MSVOA_N
ClientSampled :

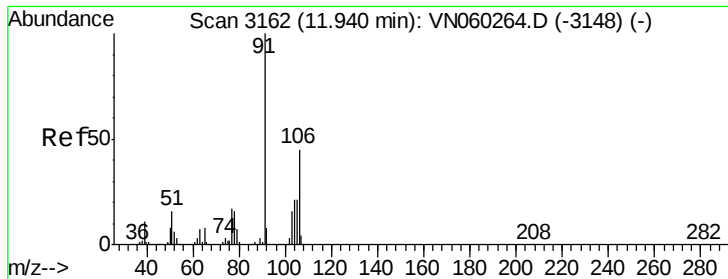
Tot Ion: 91 Resp: 522899
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 89.776 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 106 Resp: 389399
Ion Ratio Lower Upper
106 100
91 205.8 164.5 246.7

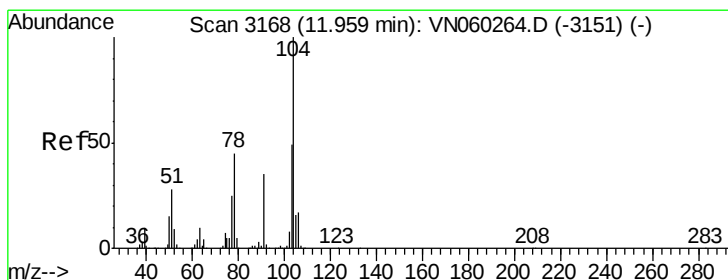
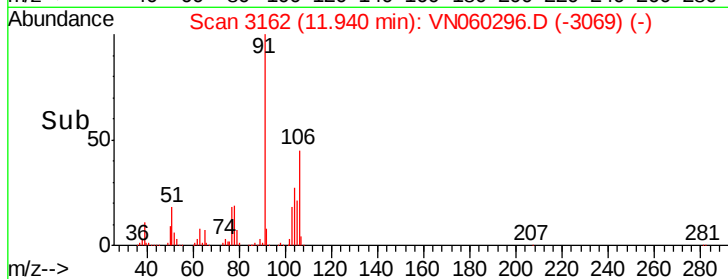
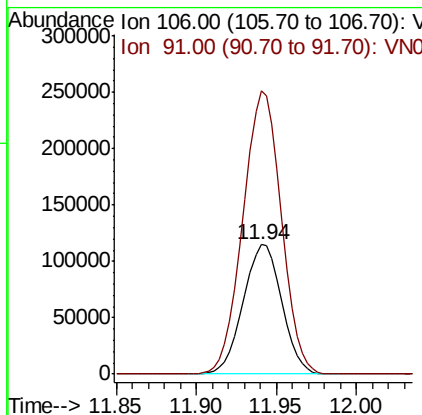
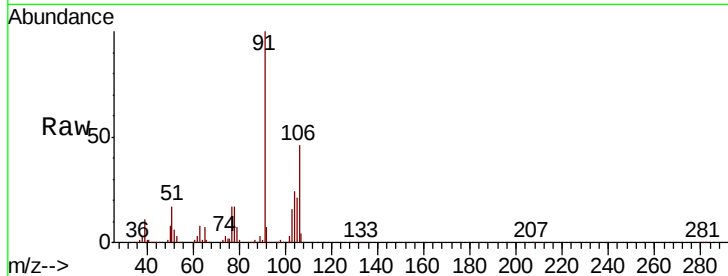




#69
o-Xylene
Concen: 45.640 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

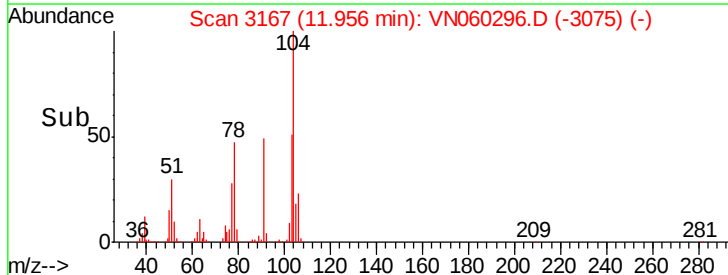
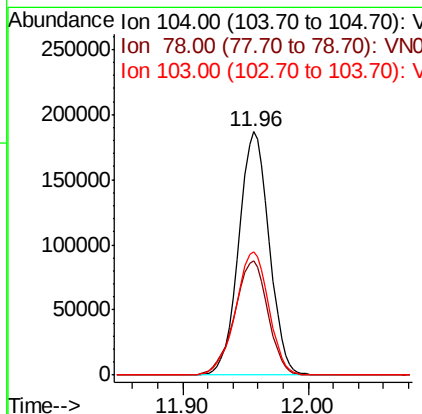
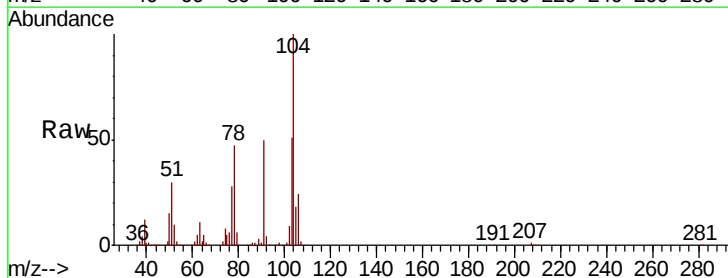
Instrument :
MSVOA_N
ClientSampled :

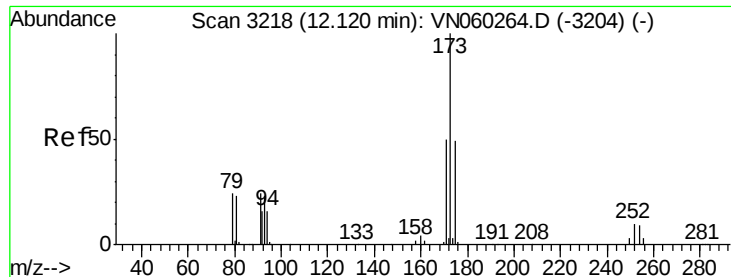
Tot Ion:106 Resp: 188772
Ion Ratio Lower Upper
106 100
91 217.7 109.5 328.4



#70
Styrene
Concen: 46.273 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion:104 Resp: 314674
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 48.810 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampled :

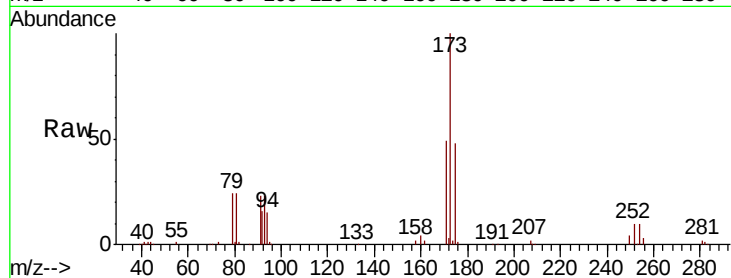
Tot Ion:173 Resp: 82110

Ion Ratio Lower Upper

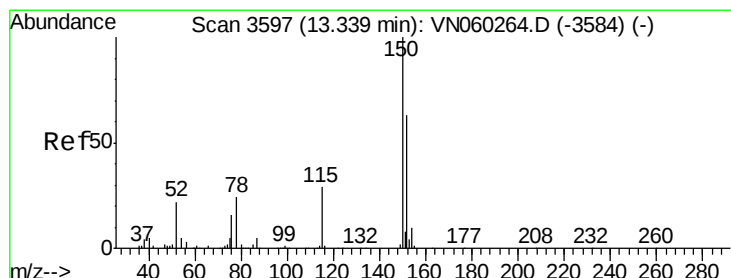
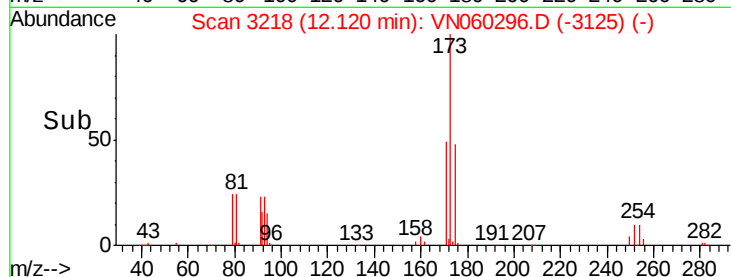
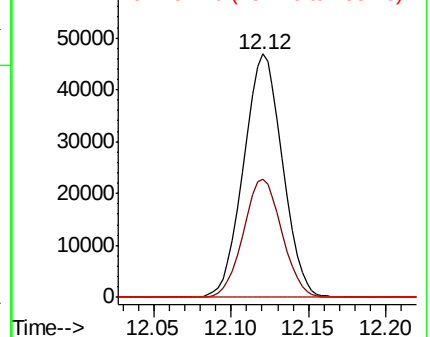
173 100

175 48.1 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: VN060296.D

Acq: 28 Feb 2020 19:36

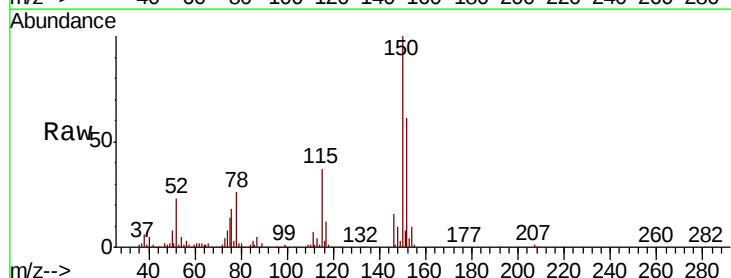
Tgt Ion:152 Resp: 153370

Ion Ratio Lower Upper

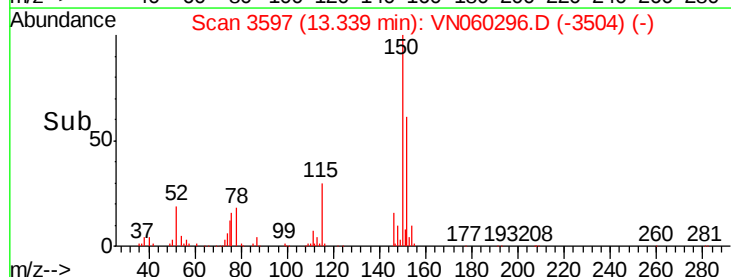
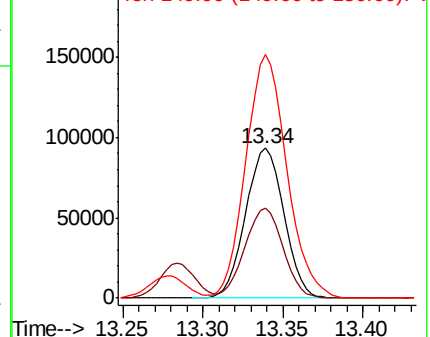
152 100

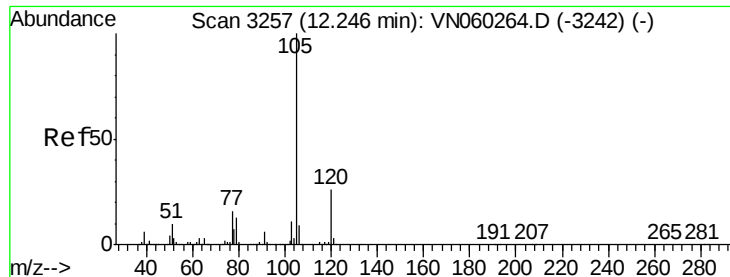
115 59.6 30.0 90.0

150 174.2 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: 45.025 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

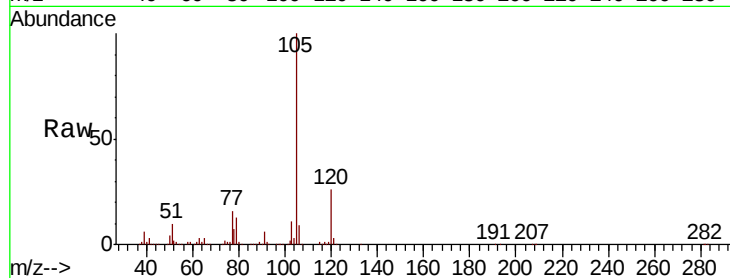
ClientSampleId :

Tot Ion: 105 Resp: 511826

Ion Ratio Lower Upper

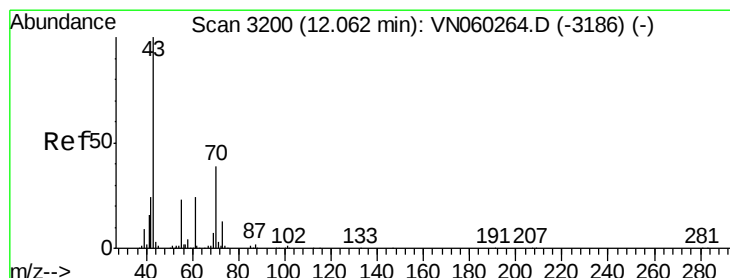
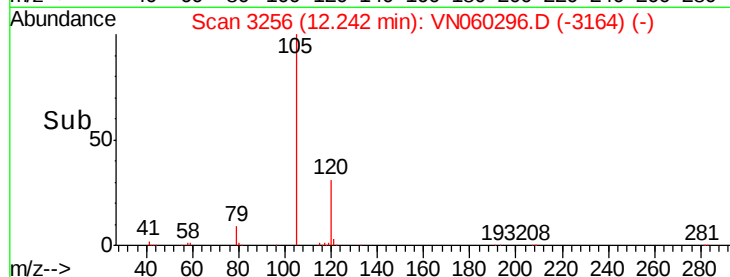
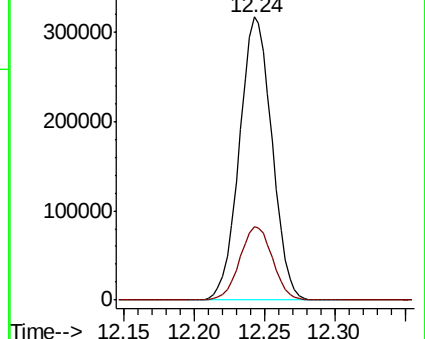
105 100

120 26.2 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.426 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion: 43 Resp: 230614

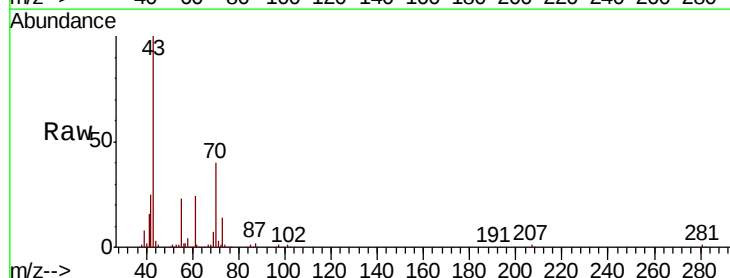
Ion Ratio Lower Upper

43 100

70 39.7 32.2 48.2

55 23.1 18.2 27.4

61 23.5 19.2 28.8

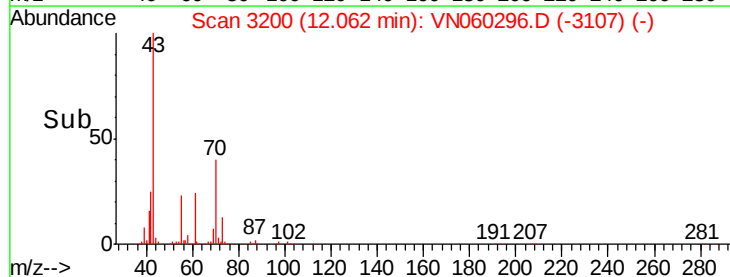
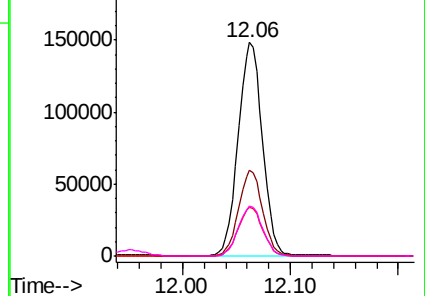


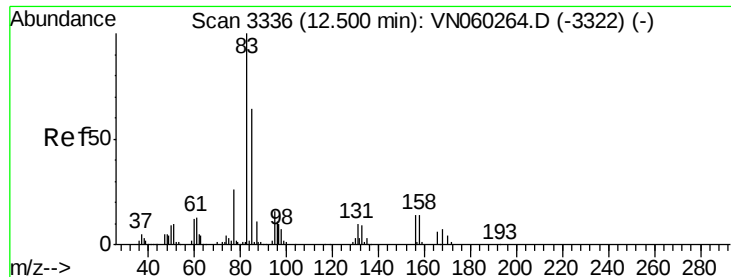
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.283 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

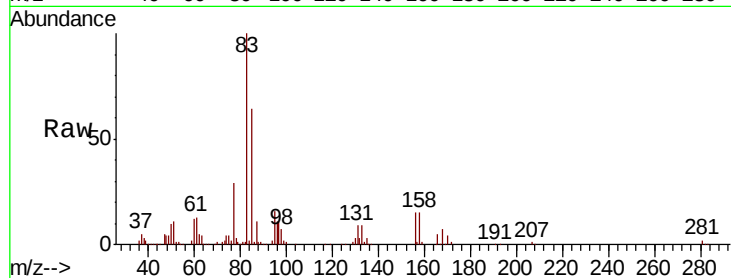
Tot Ion: 83 Resp: 149194

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.3

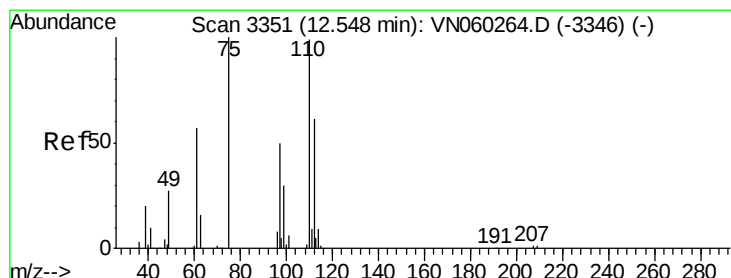
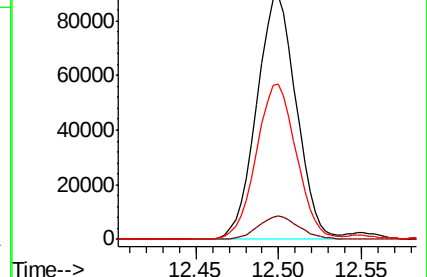
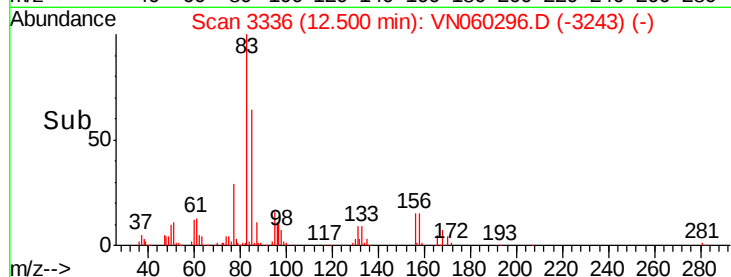
85 64.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060296.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060296.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060296.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 61.024 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060296.D

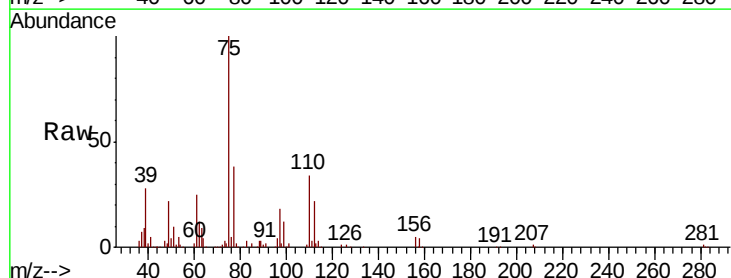
Acq: 28 Feb 2020 19:36

Tgt Ion: 75 Resp: 205342

Ion Ratio Lower Upper

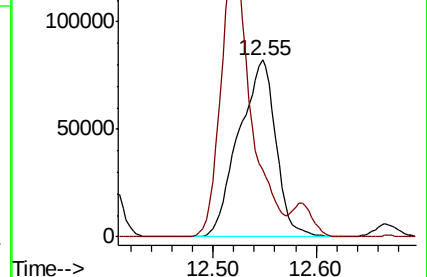
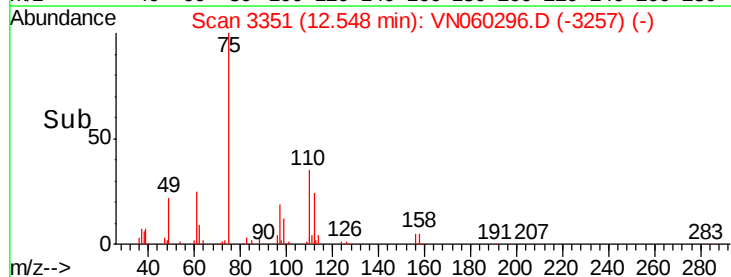
75 100

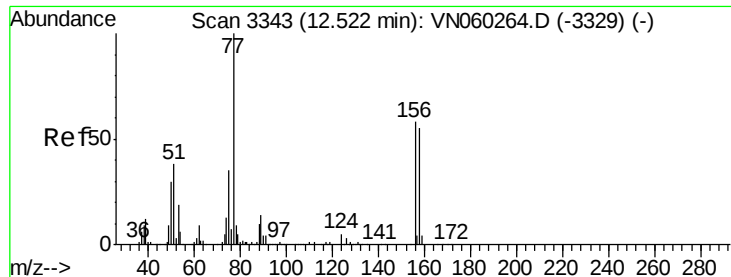
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060296.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060296.D (-3257) (-)





#77

Bromobenzene

Concen: 45.083 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

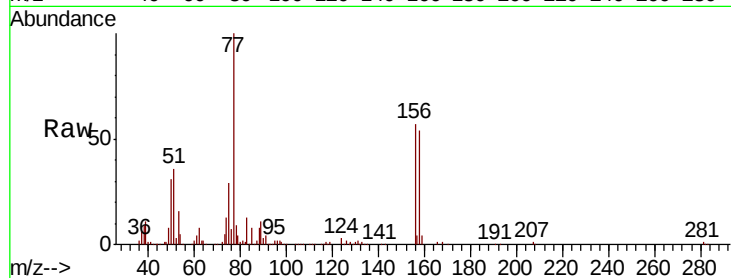
Tot Ion:156 Resp: 125624

Ion Ratio Lower Upper

156 100

77 211.1 106.1 318.3

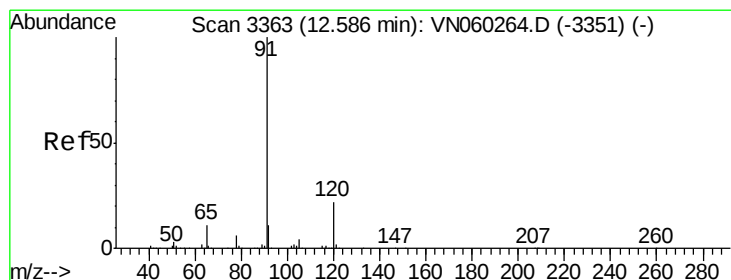
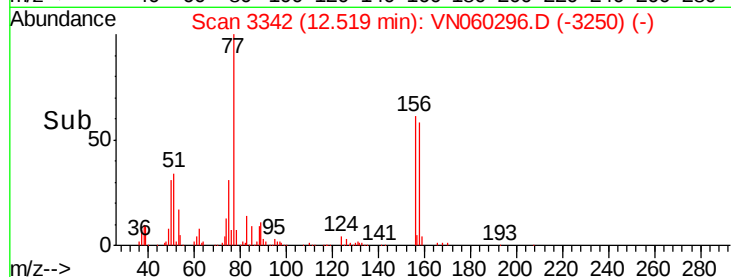
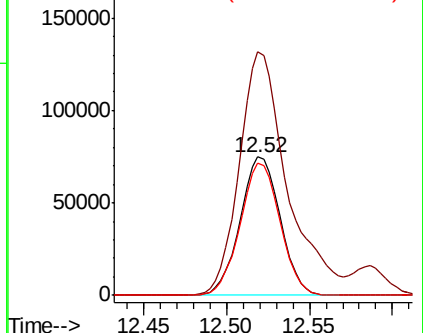
158 95.0 48.3 144.8



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: 45.214 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060296.D

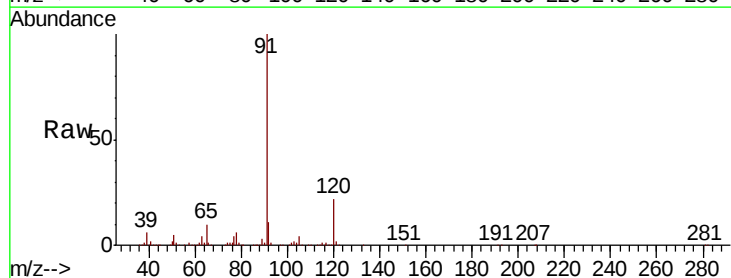
Acq: 28 Feb 2020 19:36

Tgt Ion: 91 Resp: 602478

Ion Ratio Lower Upper

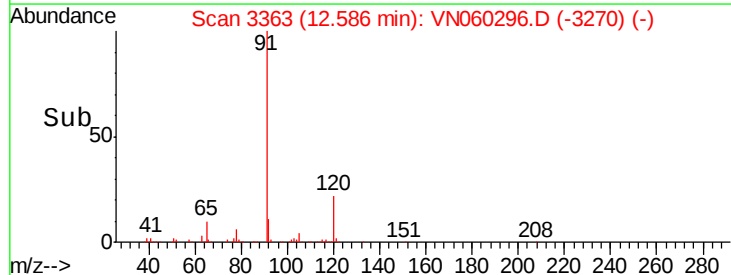
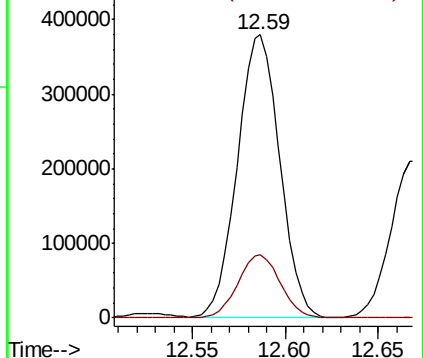
91 100

120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.334 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

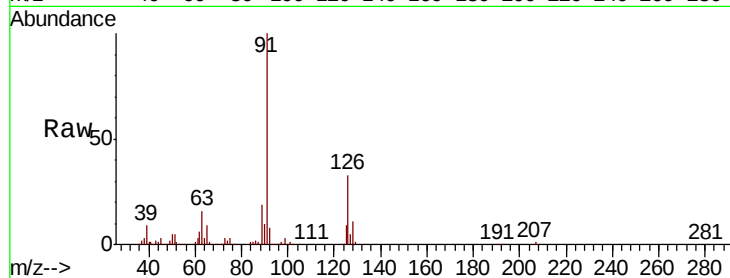
ClientSampled :

Tot Ion: 91 Resp: 347256

Ion Ratio Lower Upper

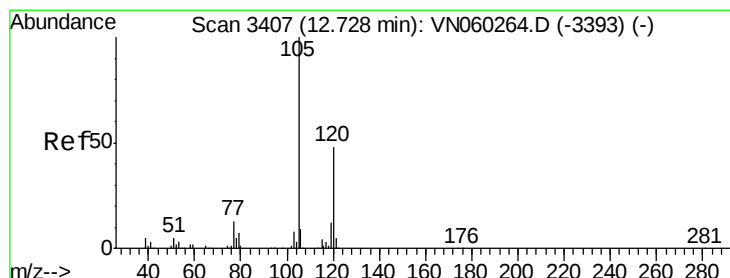
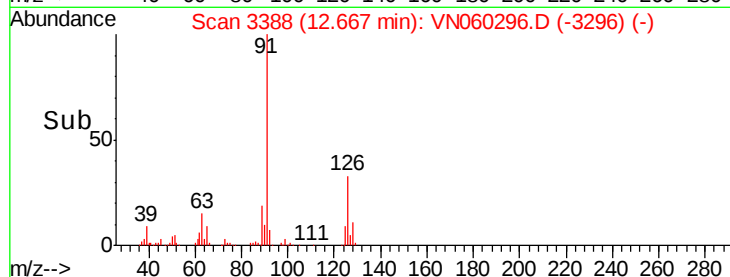
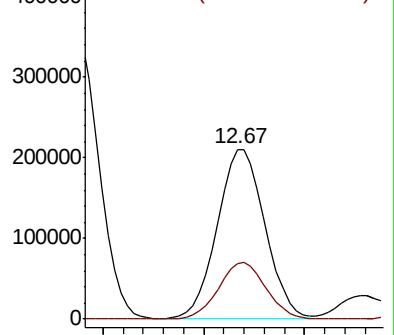
91 100

126 33.3 16.6 49.8



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

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



#80

1,3,5-Trimethylbenzene

Concen: 45.216 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060296.D

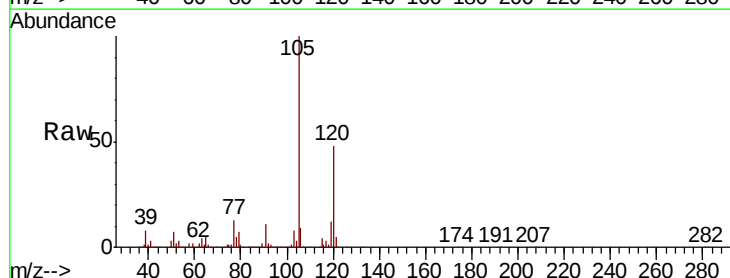
Acq: 28 Feb 2020 19:36

Tgt Ion: 105 Resp: 432762

Ion Ratio Lower Upper

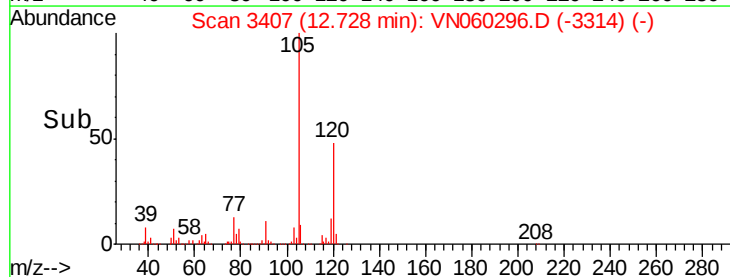
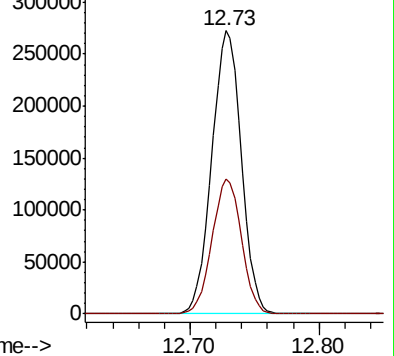
105 100

120 47.6 24.1 72.4



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

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

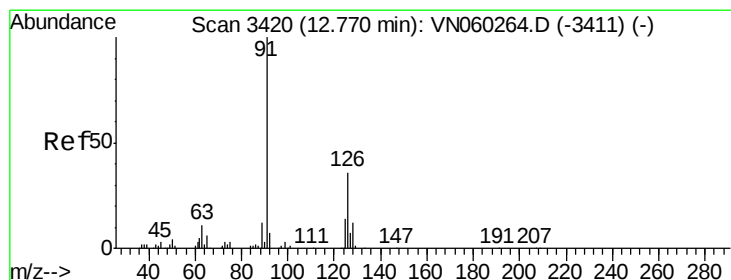
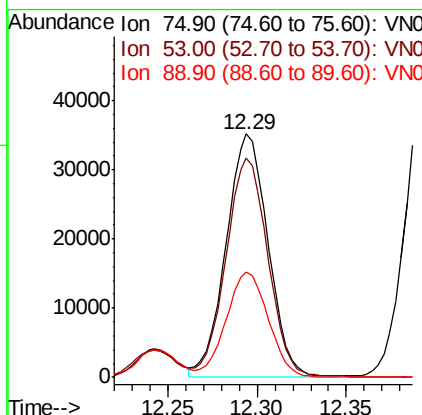
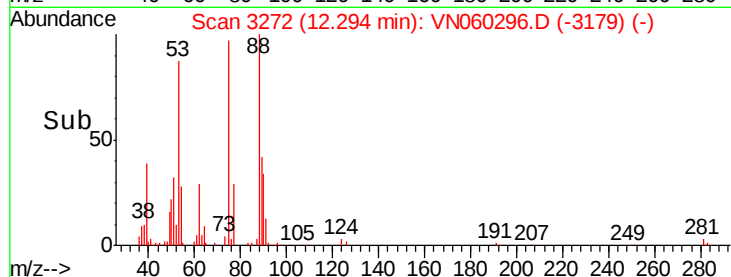
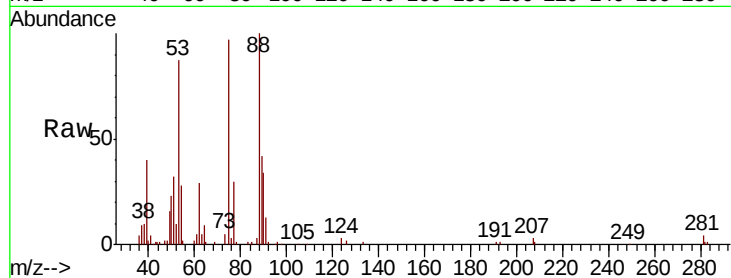




#81
trans-1,4-Dichloro-2-butene
Concen: 47.215 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

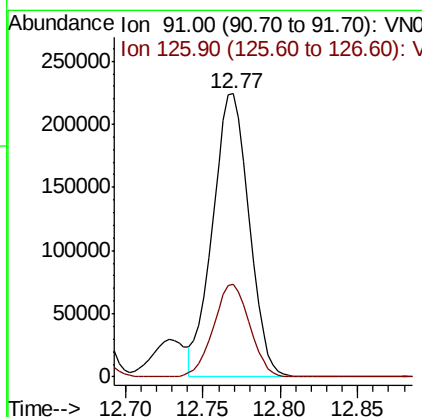
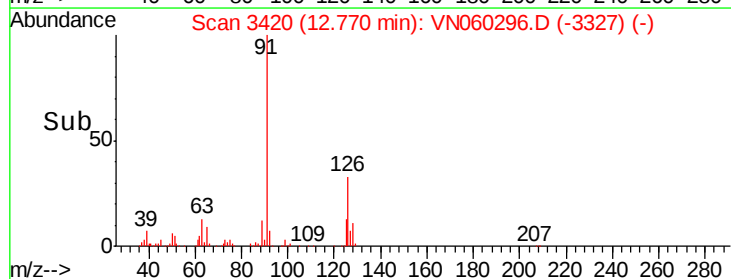
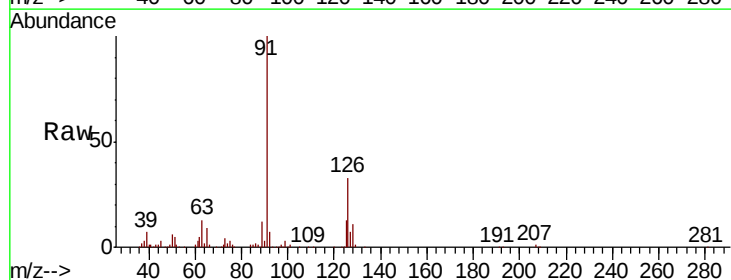
Instrument :
MSVOA_N
ClientSampleId :

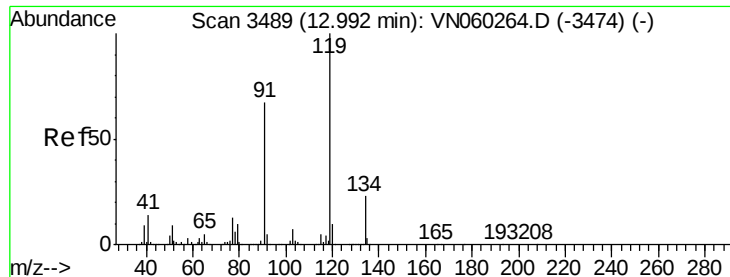
Tot Ion: 75 Resp: 57554
Ion Ratio Lower Upper
75 100
53 90.2 73.8 110.6
89 43.3 57.1 85.7#



#82
4-Chlorotoluene
Concen: 44.334 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 91 Resp: 365857
Ion Ratio Lower Upper
91 100
126 32.7 16.7 50.1

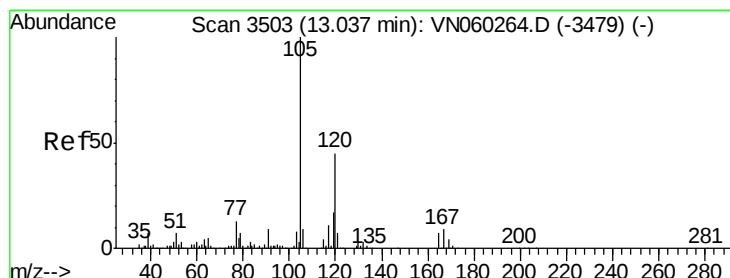
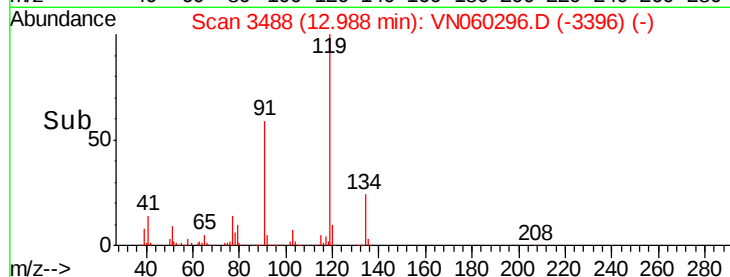
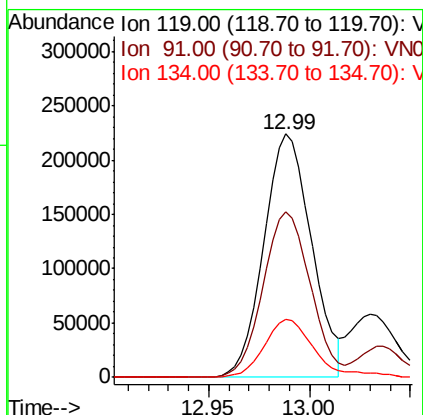
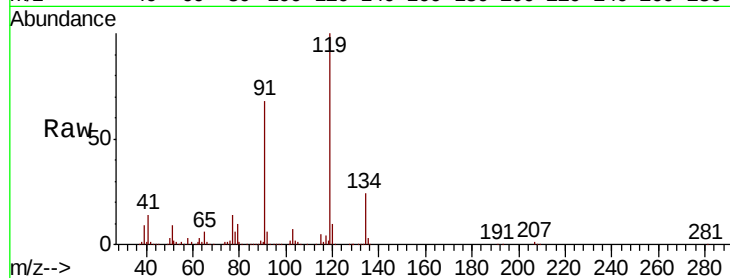




#83
tert-Butylbenzene
Concen: 44.510 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

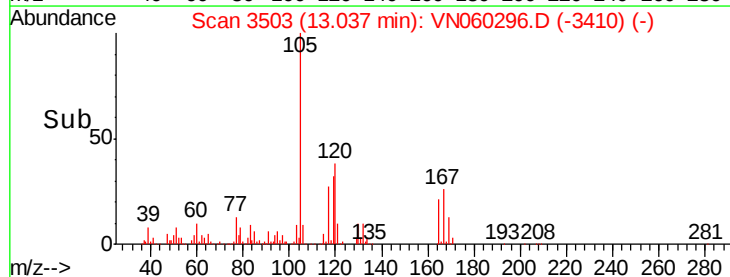
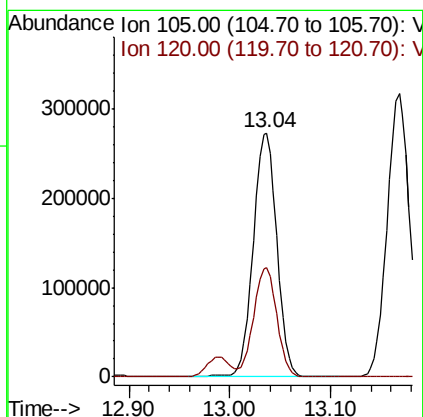
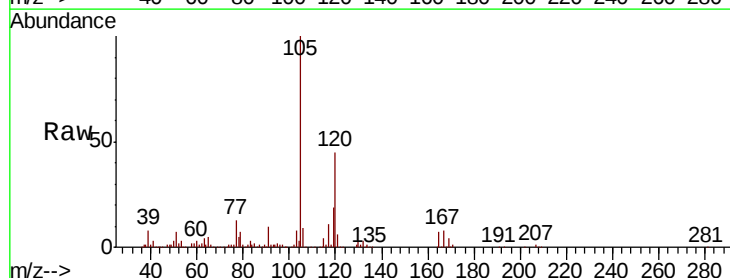
Instrument :
MSVOA_N
ClientSampled :

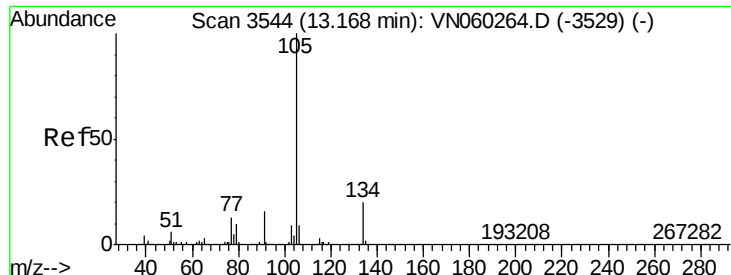
Tot Ion:119 Resp: 368832
Ion Ratio Lower Upper
119 100
91 67.4 33.1 99.2
134 25.1 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 45.359 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion:105 Resp: 438186
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.9

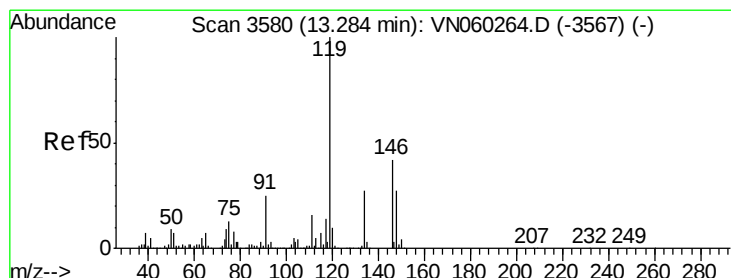
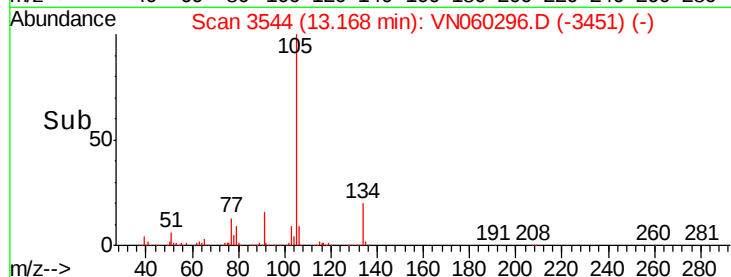
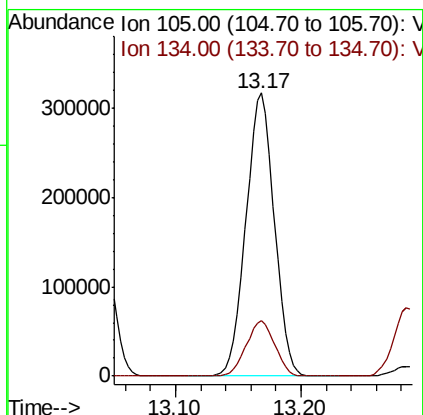
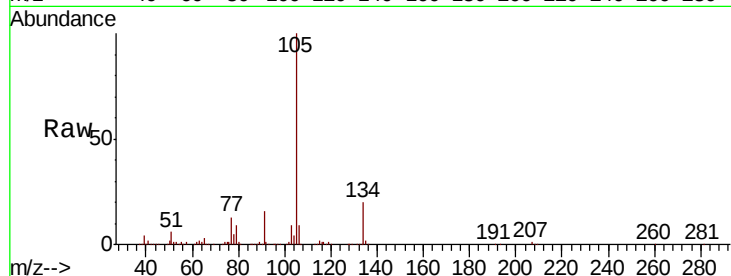




#85
 sec-Butylbenzene
 Concen: 44.964 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

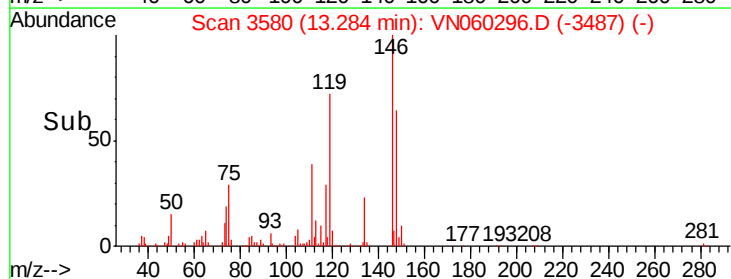
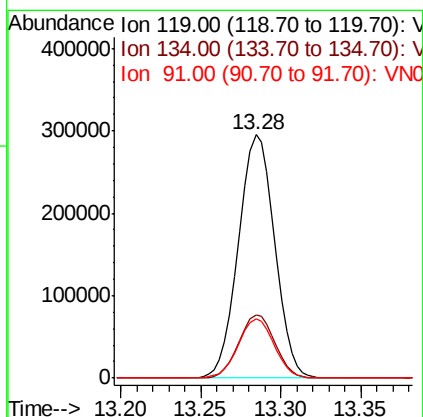
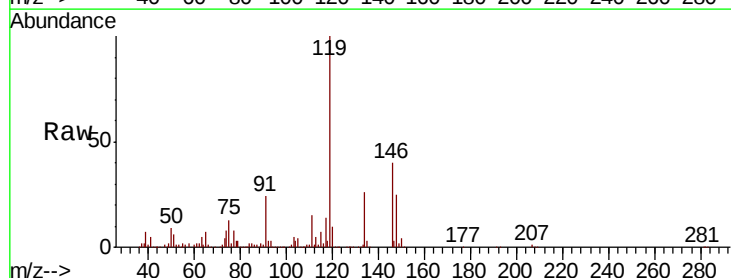
Instrument :
 MSVOA_N
 ClientSampled :

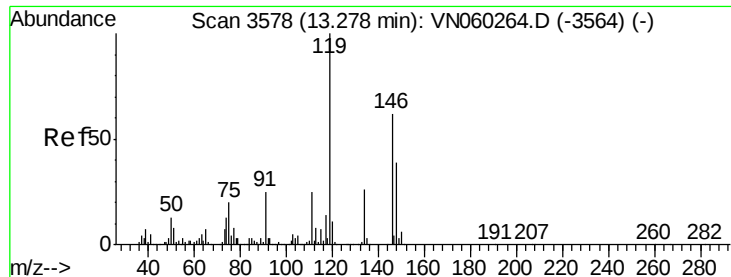
Tot Ion:105 Resp: 498945
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 44.017 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion:119 Resp: 452082
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.6
 91 24.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 46.797 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

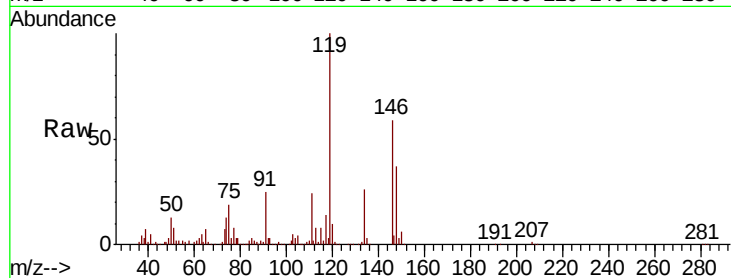
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 224127

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.6	32.1	96.3

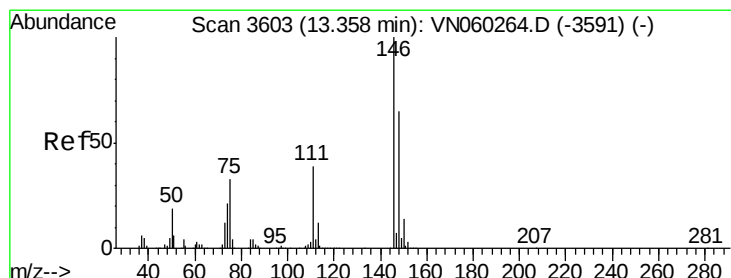
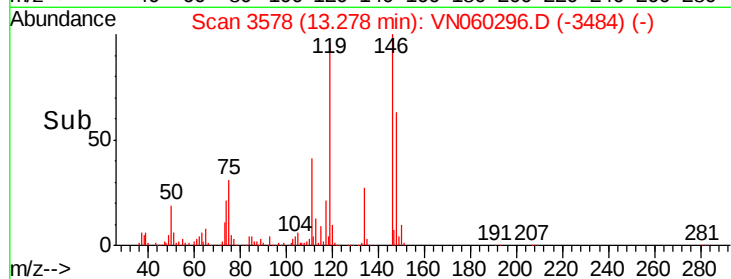
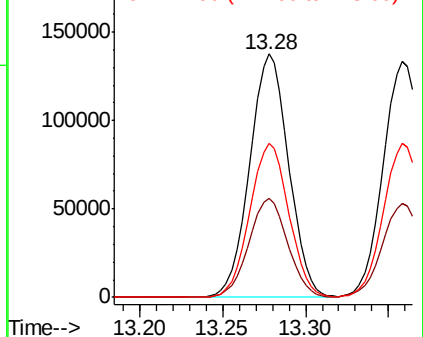


Abundance

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: 46.708 ug/l

RT: 13.36 min Scan# 3603

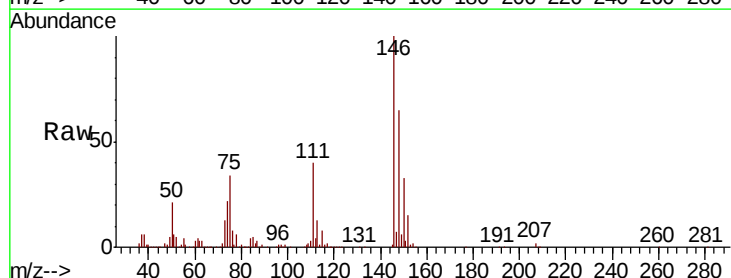
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:146 Resp: 222483

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.8	32.3	96.9

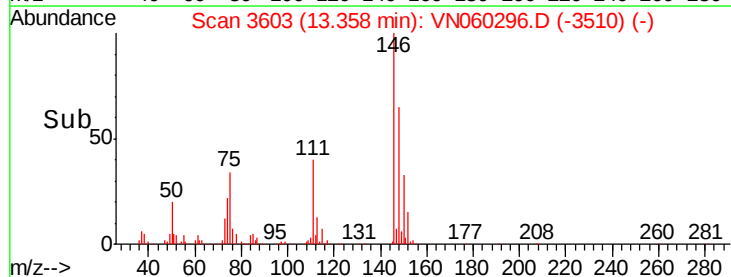
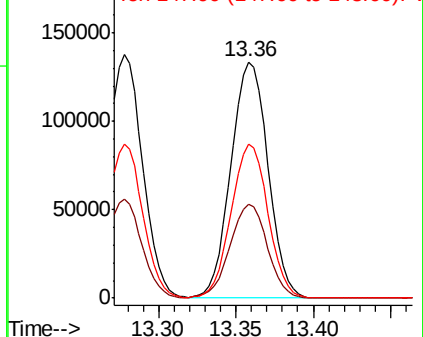


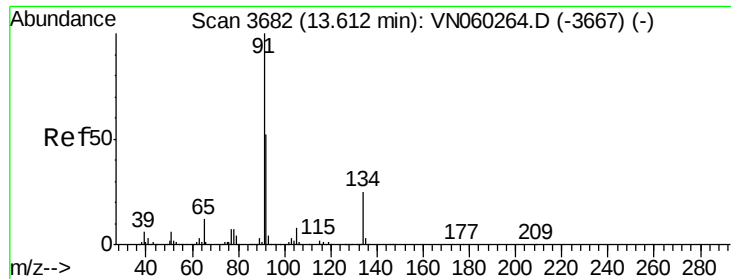
Abundance

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

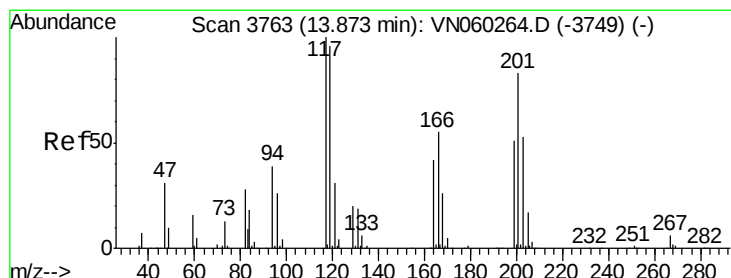
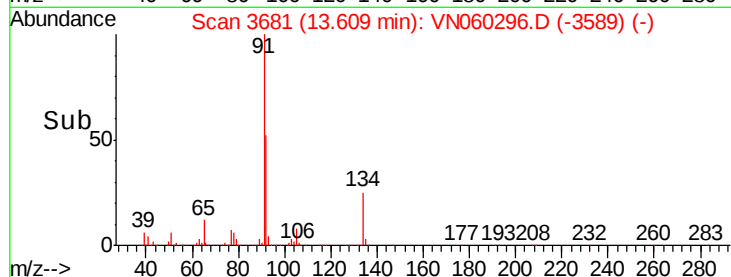
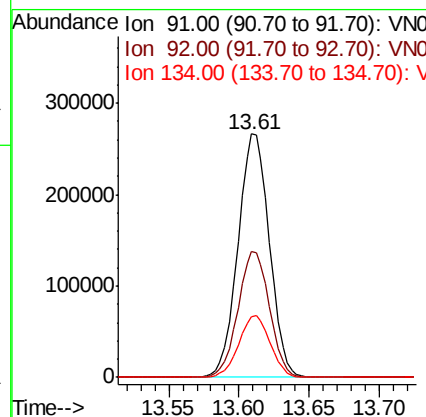
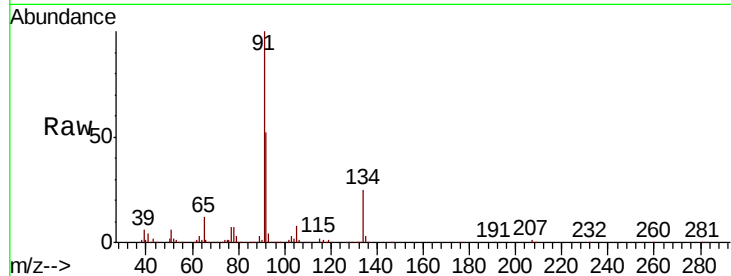




#89
n-Butylbenzene
Concen: 44.175 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

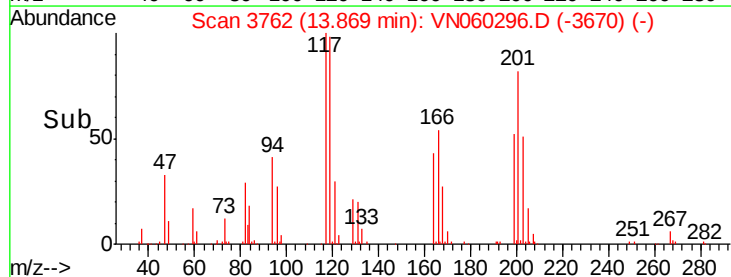
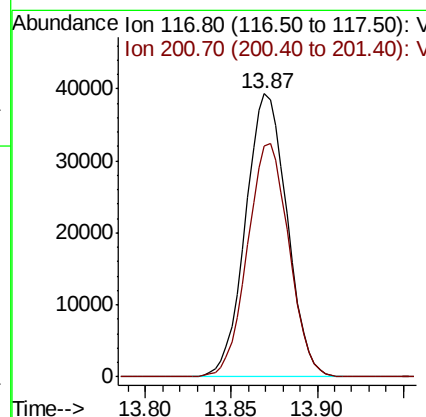
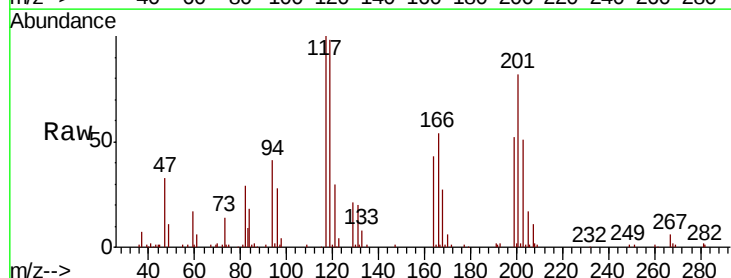
Instrument :
MSVOA_N
ClientSampleId :

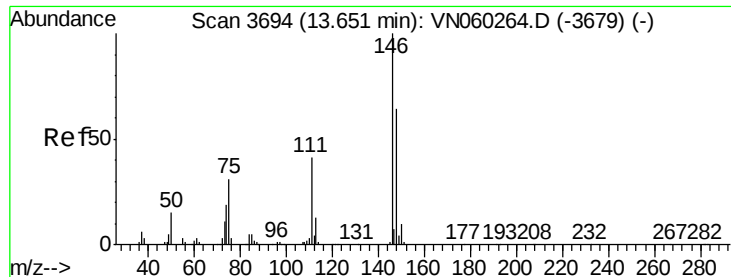
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	25.4	12.7	38.1



#90
Hexachloroethane
Concen: 44.398 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 43.878 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060296.D

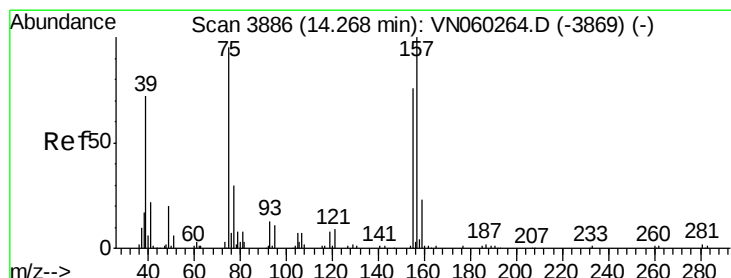
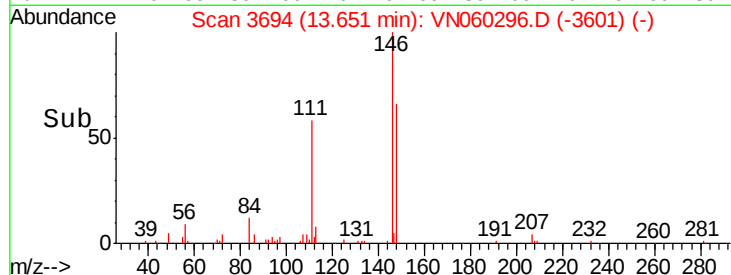
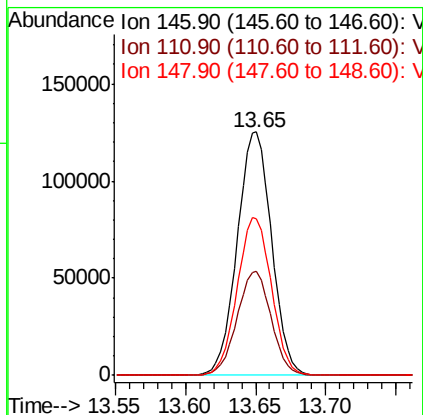
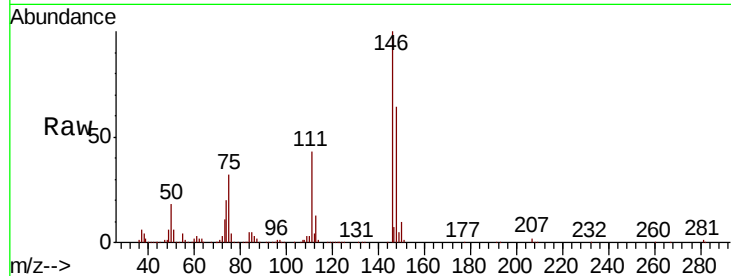
Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	214242
Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	64.6	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.894 ug/l

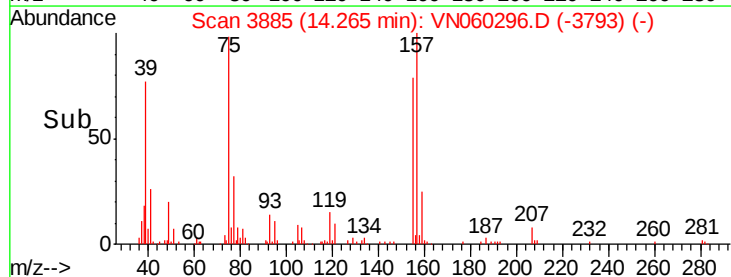
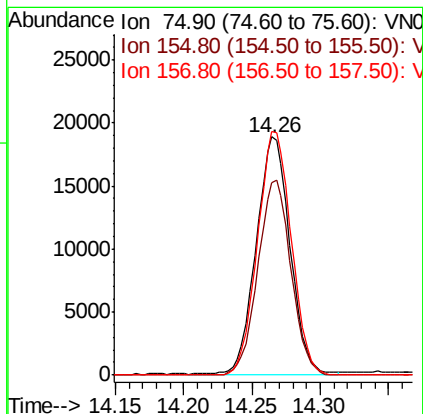
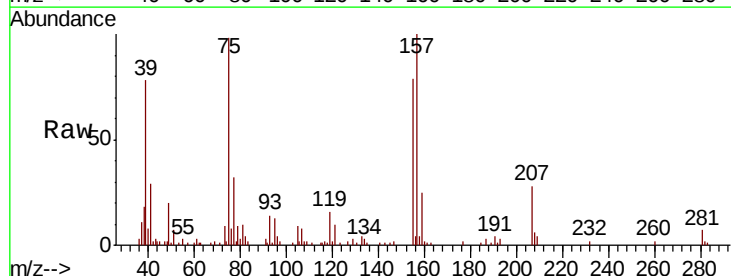
RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	75	Resp:	32814
Ion	Ratio	Lower	Upper
75	100		
155	79.1	40.4	121.2
157	100.9	52.5	157.5

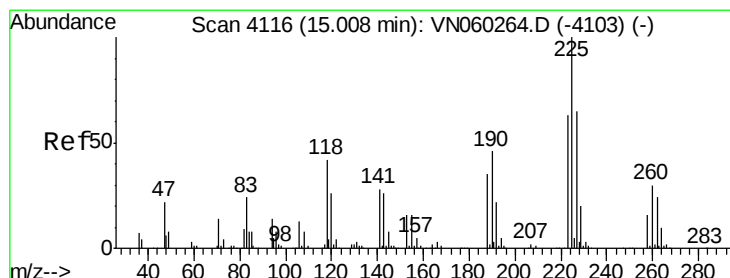
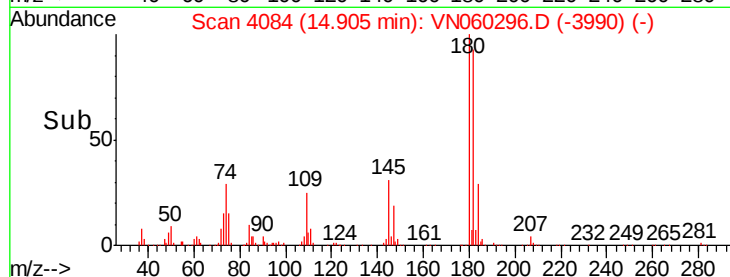
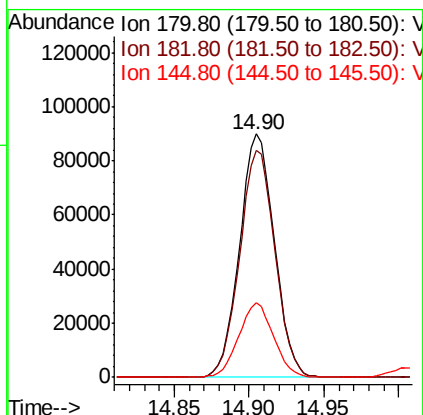
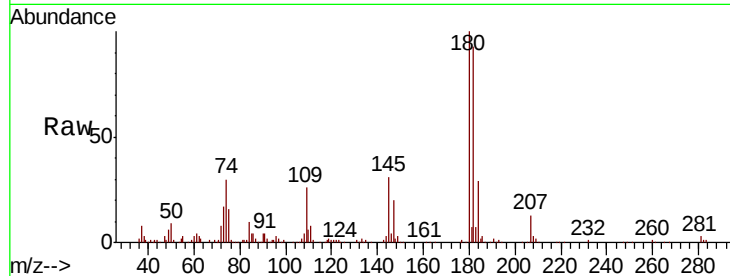




#93
 1,2,4-Trichlorobenzene
 Concen: 46.939 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

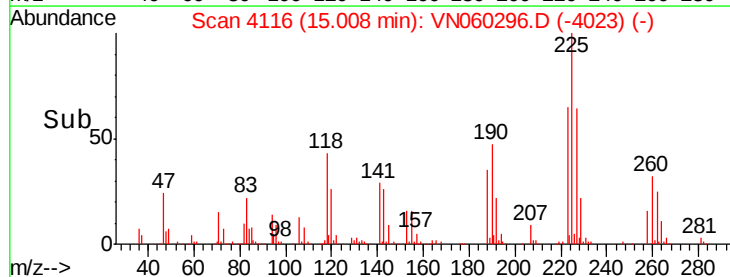
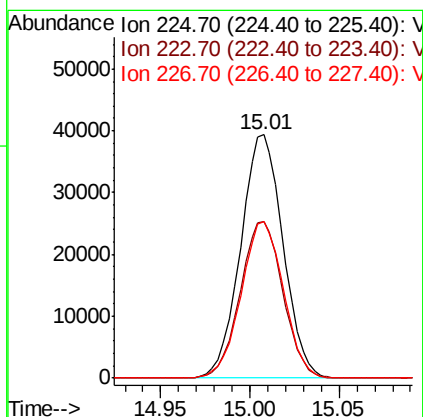
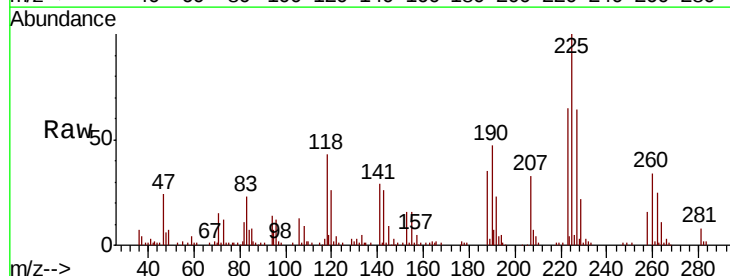
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.3
145	30.6	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 45.642 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.3	93.9
227	64.2	32.3	96.9

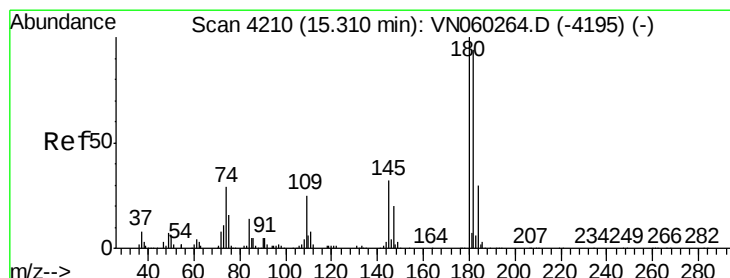
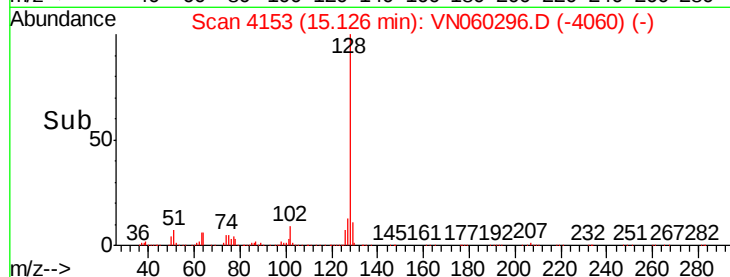
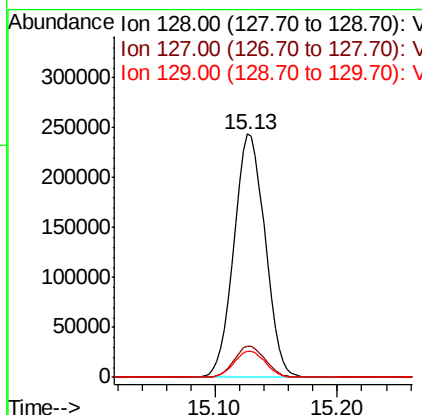
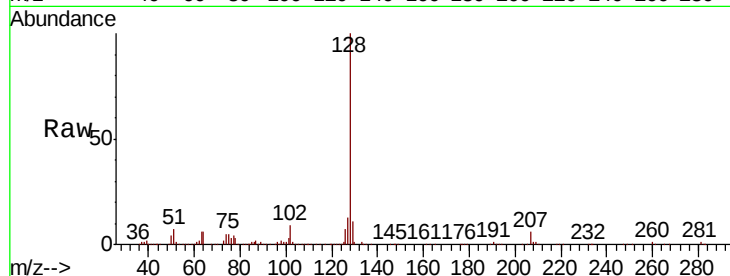




#95
Naphthalene
Concen: 47.174 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.292 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	31.9	16.2	48.5

