

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060316.D
 Acq On : 3 Mar 2020 9:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 01:10:36 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	212865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	345051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135453	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	7.56	113	82567	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.08	98	401025	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	153212	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95344	48.853	ug/l	100
3) Chloromethane	2.04	50	166714	49.064	ug/l	99
4) Vinyl Chloride	2.16	62	138113	47.395	ug/l	98
5) Bromomethane	2.54	94	49600	41.897	ug/l	98
6) Chloroethane	2.68	64	73843	46.770	ug/l	95
7) Trichlorofluoromethane	3.00	101	179045	48.090	ug/l	98
8) Diethyl Ether	3.38	74	68632	48.823	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	104175	49.440	ug/l	99
10) Methyl Iodide	3.93	142	93668	48.708	ug/l	100
11) Tert butyl alcohol	4.72	59	103002	253.993	ug/l	100
12) 1,1-Dichloroethene	3.71	96	102274	50.011	ug/l	98
13) Acrolein	3.57	56	98444	260.211	ug/l	99
14) Allyl chloride	4.29	41	174751	46.345	ug/l	90
15) Acrylonitrile	4.94	53	278011	260.090	ug/l	99
16) Acetone	3.78	43	213618	242.211	ug/l	98
17) Carbon Disulfide	4.03	76	267325	49.248	ug/l	99
18) Methyl Acetate	4.28	43	140395	47.701	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	375707	50.601	ug/l	98
20) Methylene Chloride	4.52	84	116339	48.032	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	110576	50.329	ug/l	98
22) Diisopropyl ether	5.91	45	399067	52.249	ug/l	99
23) Vinyl Acetate	5.86	43	1603316	264.173	ug/l	100
24) 1,1-Dichloroethane	5.81	63	220695	51.046	ug/l	100
25) 2-Butanone	6.80	43	379415	266.338	ug/l	100
26) 2,2-Dichloropropane	6.80	77	202753	51.513	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	132724	47.257	ug/l	98
28) Bromochloromethane	7.17	49	87455	49.267	ug/l	97
29) Tetrahydrofuran	7.18	42	253878	256.285	ug/l	100
30) Chloroform	7.35	83	220870	51.318	ug/l	99
31) Cyclohexane	7.63	56	193902	52.626	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	195353	51.229	ug/l	100
36) 1,1-Dichloropropene	7.77	75	163290	49.655	ug/l	99
37) Ethyl Acetate	6.89	43	163837	52.616	ug/l	100
38) Carbon Tetrachloride	7.75	117	162726	50.824	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	196756	50.745	ug/l	98
40) Benzene	8.02	78	486569	50.836	ug/l	100
41) Methacrylonitrile	7.18	41	237191	164.973	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	178197	51.593	ug/l	100
43) Isopropyl Acetate	8.14	43	290742	53.335	ug/l	99
44) Trichloroethene	8.82	130	132030	49.529	ug/l	98
45) 1,2-Dichloropropane	9.10	63	134376	53.697	ug/l	99
46) Dibromomethane	9.19	93	83246	51.267	ug/l	99
47) Bromodichloromethane	9.38	83	178363	54.009	ug/l	98
48) Methyl methacrylate	9.18	41	129792	52.213	ug/l	98
49) 1,4-Dioxane	9.18	88	36636	1048.011	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	841102	272.134	ug/l	99
52) Toluene	10.14	92	307346	51.119	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	208328	51.482	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	216715	51.683	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	120785	49.956	ug/l	98
56) Ethyl methacrylate	10.42	69	189546	54.568	ug/l	98
57) 1,3-Dichloropropane	10.70	76	206628	52.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	458657	252.464	ug/l	99
59) 2-Hexanone	10.74	43	623535	274.768	ug/l	99
60) Dibromochloromethane	10.89	129	132126	53.735	ug/l	99
61) 1,2-Dibromoethane	10.99	107	124911	52.996	ug/l	98
64) Tetrachloroethene	10.62	164	138186	54.548	ug/l	99
65) Chlorobenzene	11.43	112	326663	50.161	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	125573	52.150	ug/l	100
67) Ethyl Benzene	11.50	91	607238	51.203	ug/l	100
68) m/p-Xylenes	11.62	106	454443	101.563	ug/l	100
69) o-Xylene	11.94	106	219550	51.455	ug/l	100
70) Styrene	11.96	104	367511	52.388	ug/l	100
71) Bromoform	12.12	173	96178	55.422	ug/l #	100
73) Isopropylbenzene	12.25	105	598457	50.598	ug/l	99
74) N-amyl acetate	12.06	43	266381	51.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	168229	52.325	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	240708	68.752	ug/l #	100
77) Bromobenzene	12.52	156	144441	49.820	ug/l	99
78) n-propylbenzene	12.59	91	707884	51.058	ug/l	99
79) 2-Chlorotoluene	12.67	91	410659	50.390	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	506716	50.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	68079	53.677	ug/l #	88
82) 4-Chlorotoluene	12.77	91	430013	50.081	ug/l	99
83) tert-Butylbenzene	12.99	119	439947	51.026	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	514834	51.220	ug/l	100
85) sec-Butylbenzene	13.17	105	593964	51.444	ug/l	99
86) p-Isopropyltoluene	13.28	119	538377	50.380	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	263462	52.895	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263529	53.221	ug/l	99
89) n-Butylbenzene	13.61	91	500201	50.990	ug/l	100
90) Hexachloroethane	13.87	117	81306	52.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	253645	49.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35877	49.277	ug/l	98

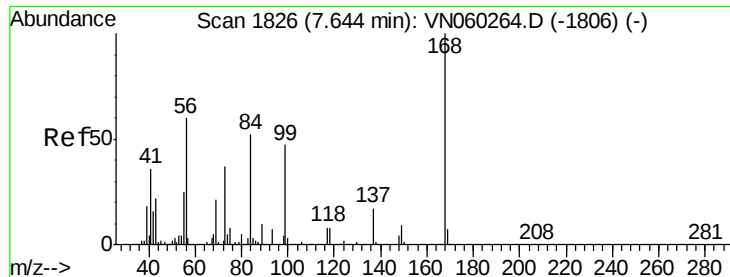
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167373	51.846	ug/l	100
94) Hexachlorobutadiene	15.01	225	81287	54.835	ug/l	99
95) Naphthalene	15.13	128	481447	50.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158353	52.096	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: VN060316.D

Acq: 3 Mar 2020 9:32

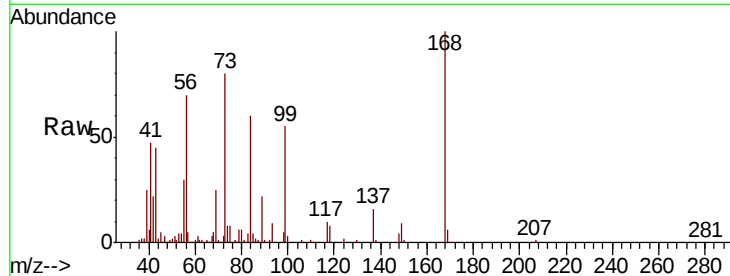
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 212865

Ion Ratio Lower Upper

168 100

99 55.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

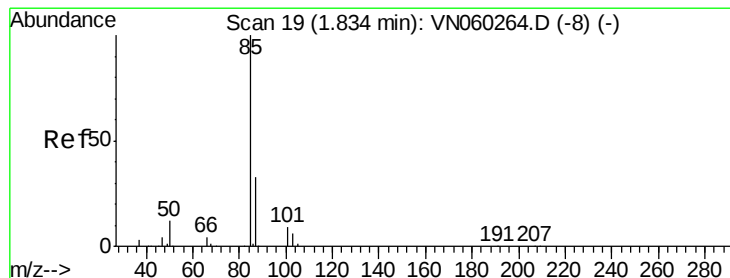
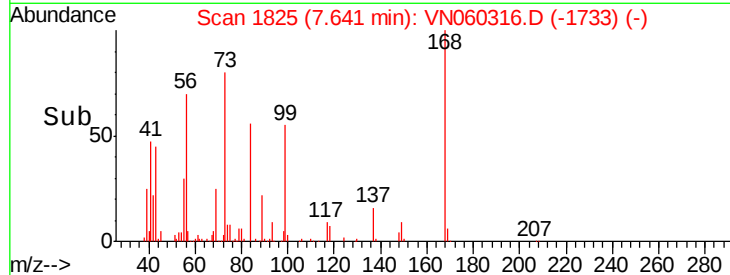
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.853 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060316.D

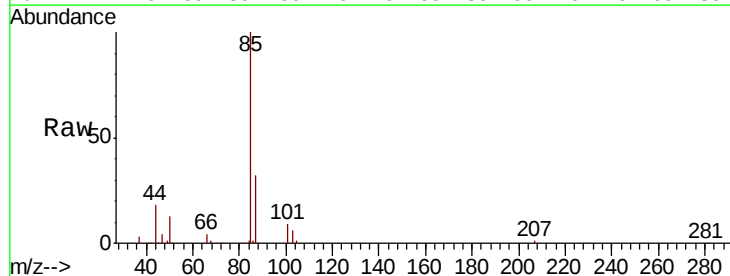
Acq: 3 Mar 2020 9:32

Tgt Ion: 85 Resp: 95344

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

60000

40000

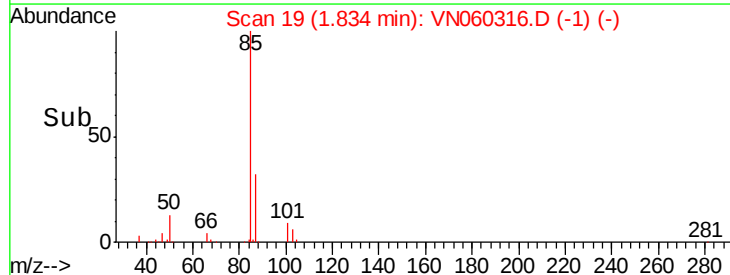
20000

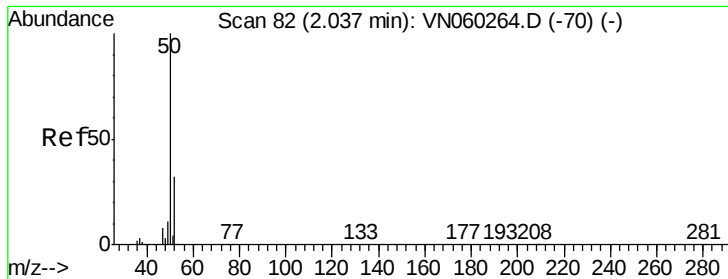
0

1.83

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 49.064 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

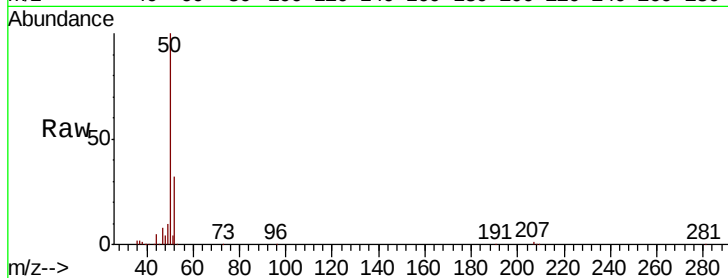
ClientSampled :

Tot Ion: 50 Resp: 166714

Ion Ratio Lower Upper

50 100

52 32.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

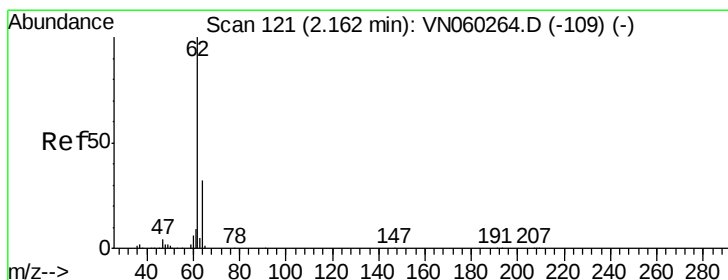
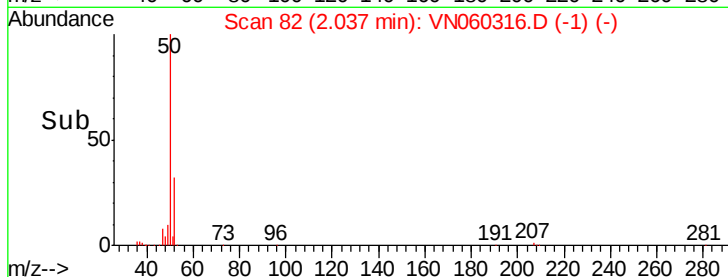
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 47.395 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060316.D

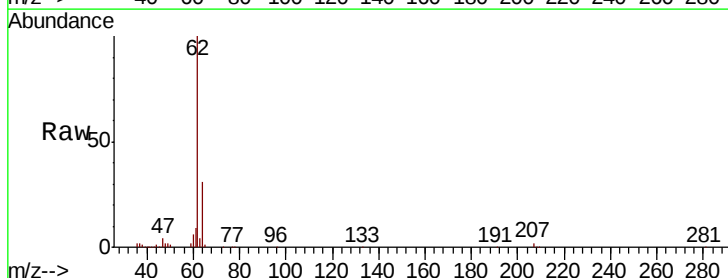
Acq: 3 Mar 2020 9:32

Tgt Ion: 62 Resp: 138113

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

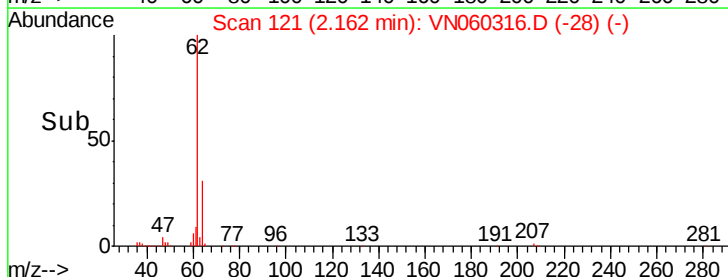
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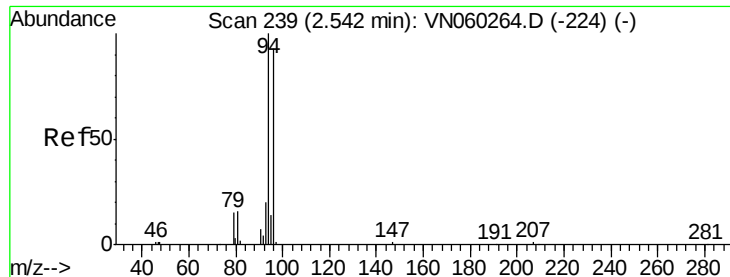
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 41.897 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

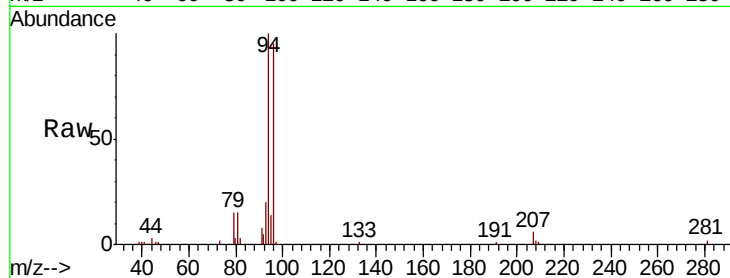
ClientSampled :

Tot Ion: 94 Resp: 49600

Ion Ratio Lower Upper

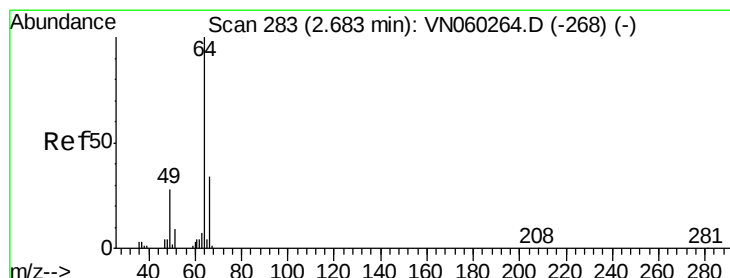
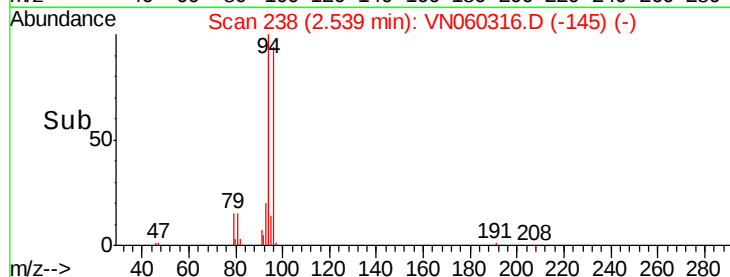
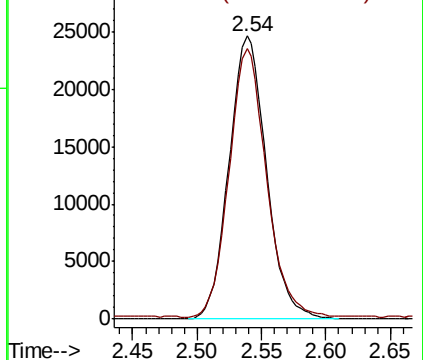
94 100

96 94.6 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.770 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060316.D

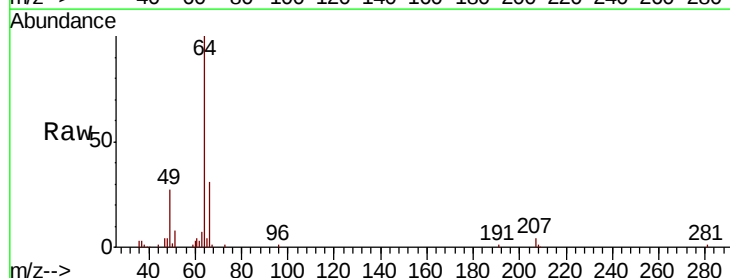
Acq: 3 Mar 2020 9:32

Tgt Ion: 64 Resp: 73843

Ion Ratio Lower Upper

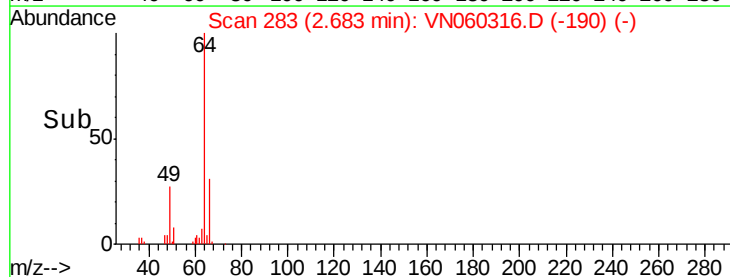
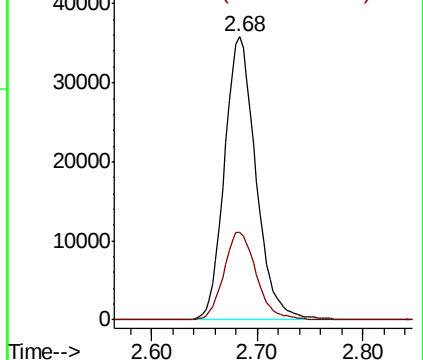
64 100

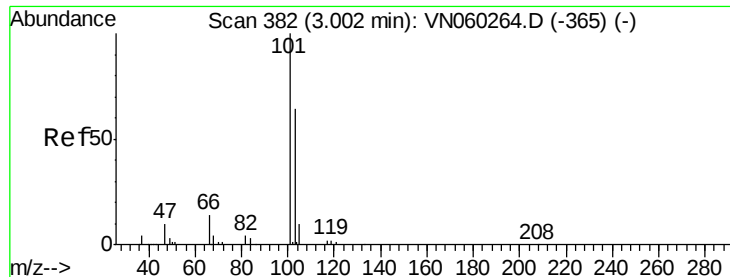
66 31.2 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



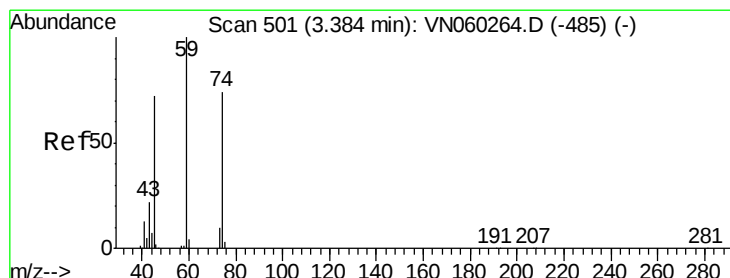
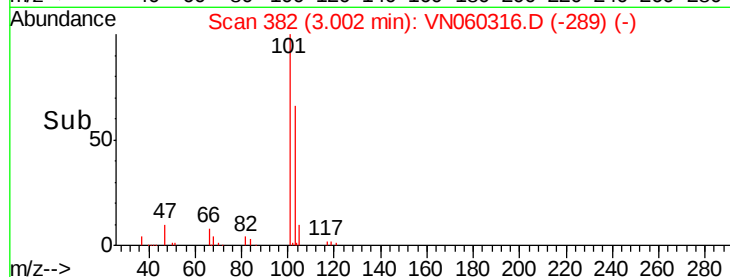
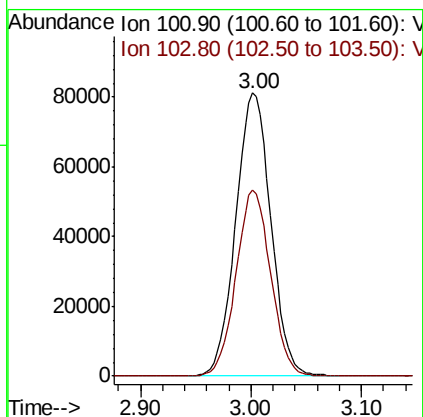
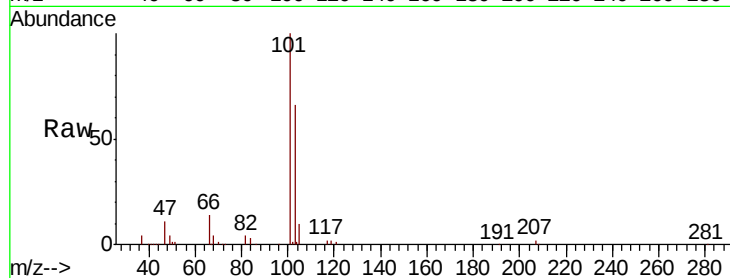


#7

Trichlorofluoromethane
Concen: 48.090 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Instrument :
MSVOA_N
ClientSampleId :

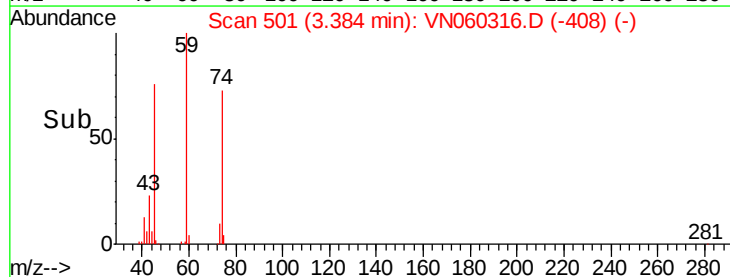
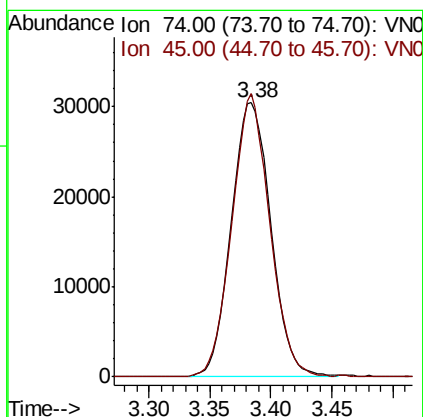
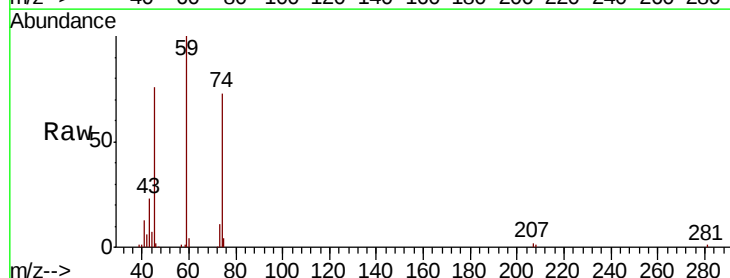
Tot Ion:101 Resp: 179045
Ion Ratio Lower Upper
101 100
103 66.0 51.3 76.9

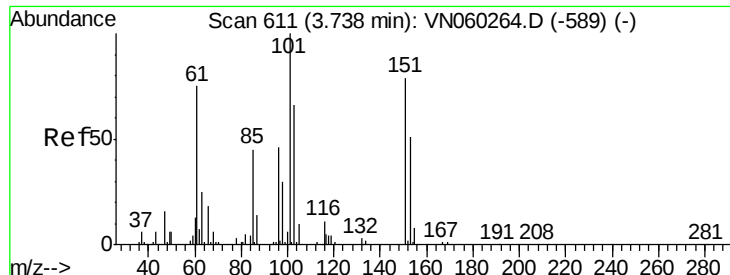


#8

Diethyl Ether
Concen: 48.823 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 74 Resp: 68632
Ion Ratio Lower Upper
74 100
45 98.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.440 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampled :

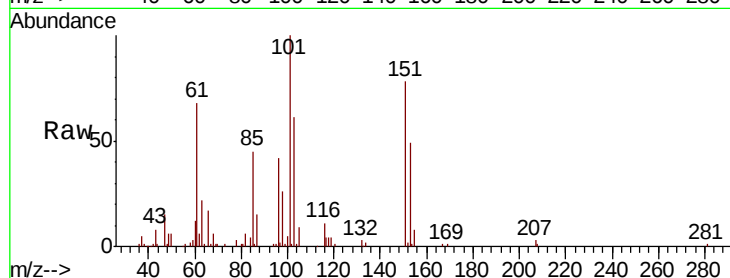
Tot Ion:101 Resp: 104175

Ion Ratio Lower Upper

101 100

85 45.4 35.4 53.2

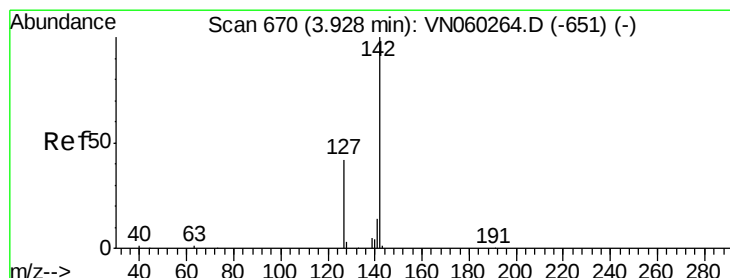
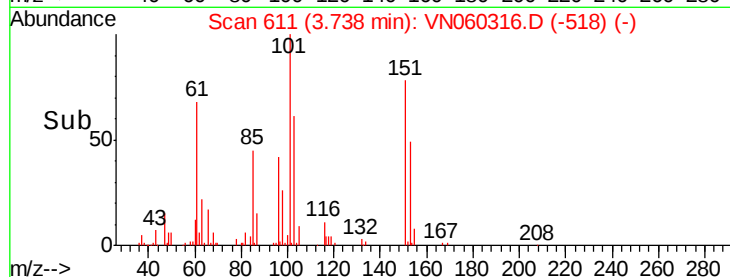
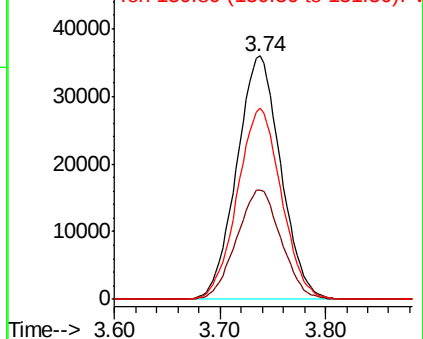
151 78.4 62.0 93.0



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: 48.708 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

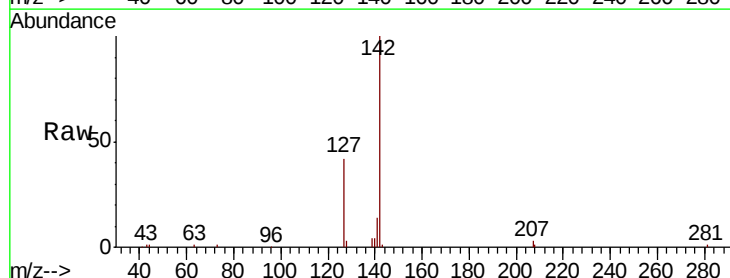
Tgt Ion:142 Resp: 93668

Ion Ratio Lower Upper

142 100

127 42.1 33.8 50.6

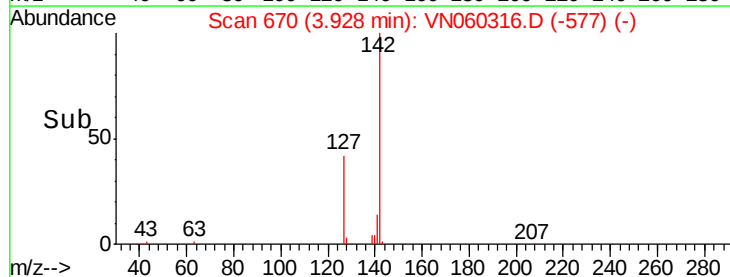
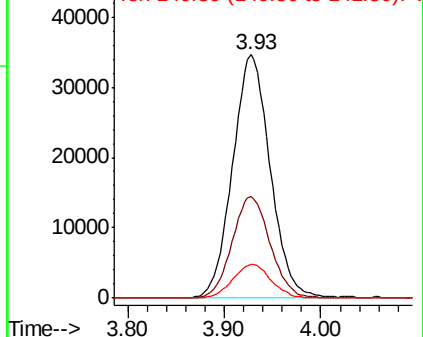
141 14.0 11.1 16.7



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



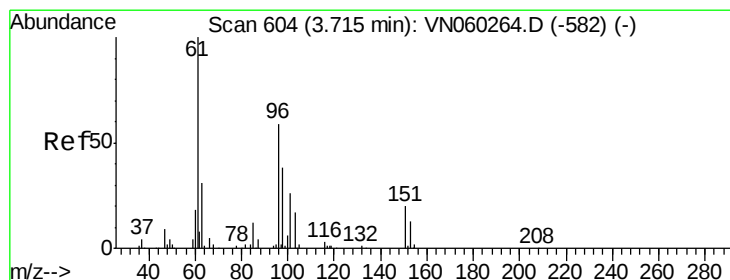
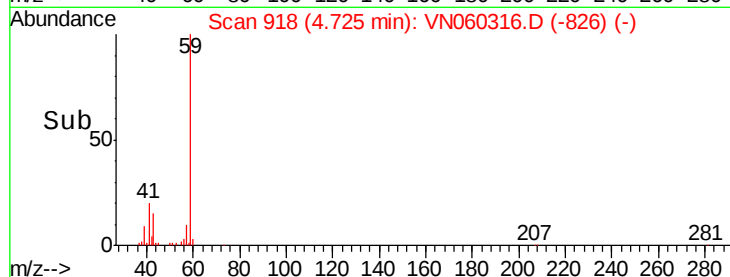
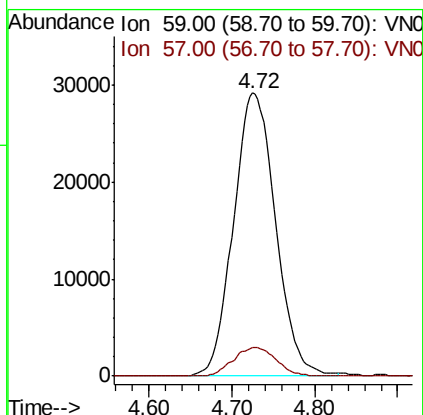
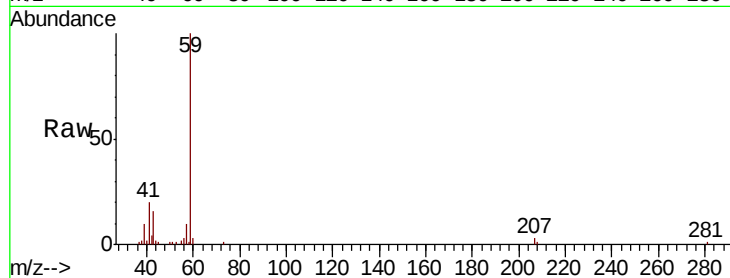


#11

Tert butyl alcohol
 Concen: 253.993 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Instrument :
 MSVOA_N
 ClientSampleId :

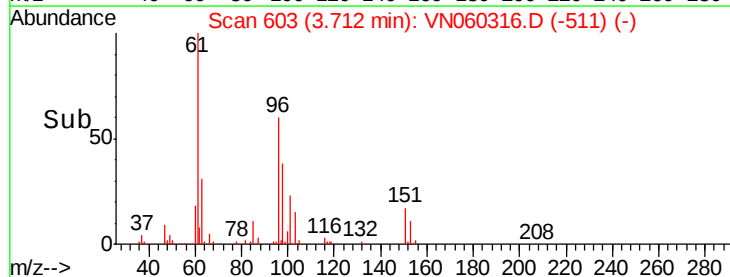
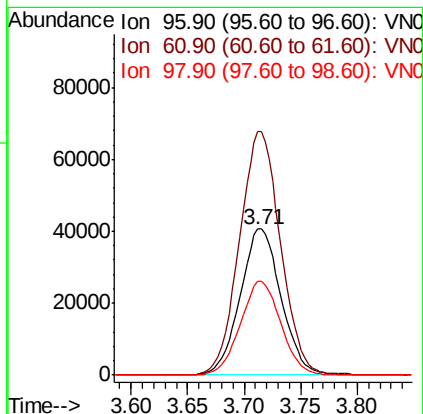
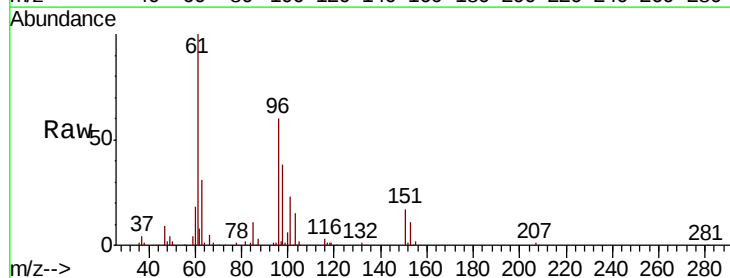
Tot Ion: 59 Resp: 103002
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 50.011 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Tgt Ion: 96 Resp: 102274
 Ion Ratio Lower Upper
 96 100
 61 166.4 135.4 203.0
 98 63.9 51.6 77.4





#13

Acrolein

Concen: 260.211 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

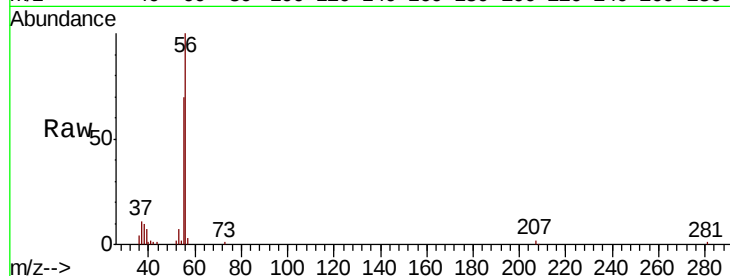
ClientSampled :

Tot Ion: 56 Resp: 98444

Ion Ratio Lower Upper

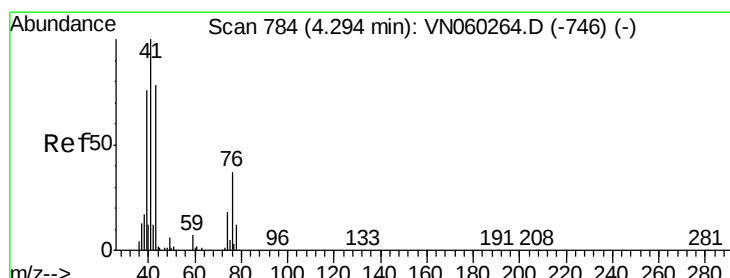
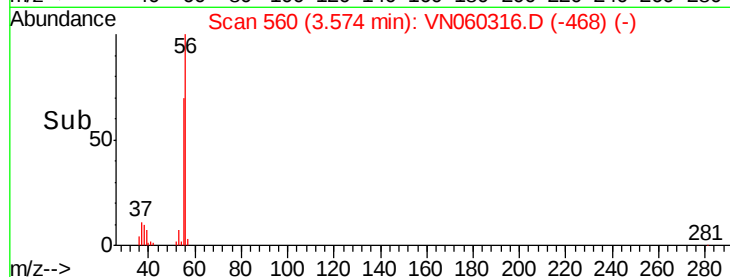
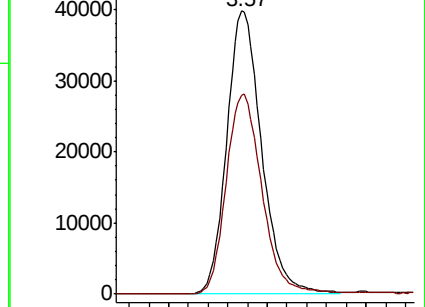
56 100

55 72.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN060316.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN060316.D (-468) (-)



#14

Allyl chloride

Concen: 46.345 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

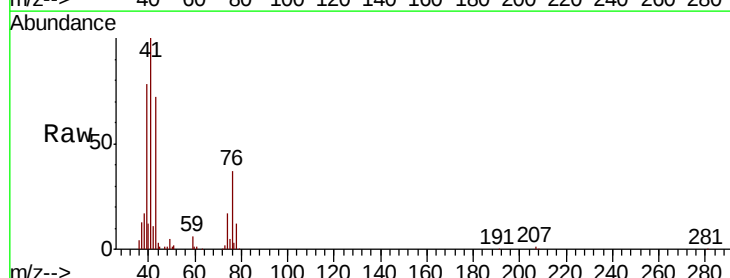
Tgt Ion: 41 Resp: 174751

Ion Ratio Lower Upper

41 100

39 79.1 55.4 83.2

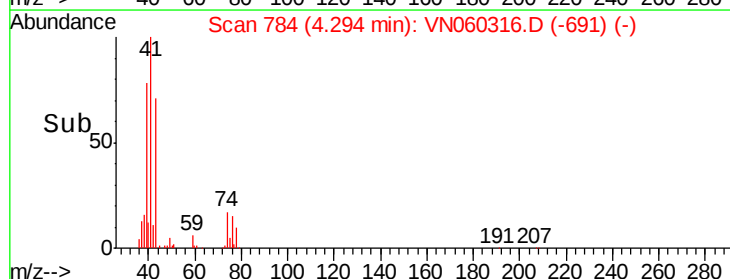
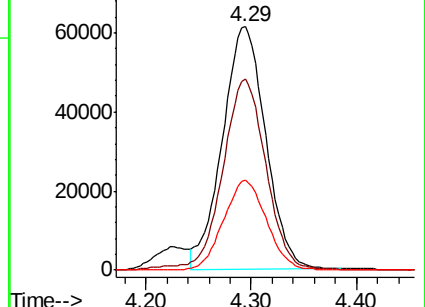
76 36.7 27.0 40.6

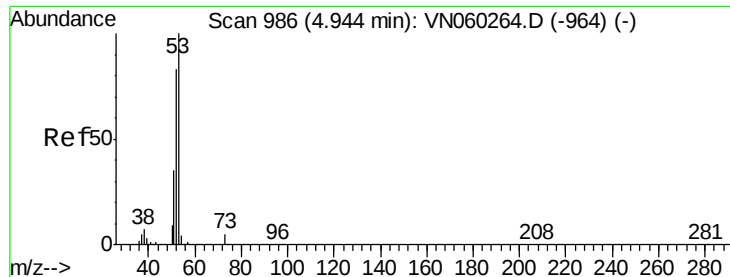


Abundance Ion 41.00 (40.70 to 41.70): VN060316.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060316.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060316.D (-691) (-)





#15

Acrylonitrile

Concen: 260.090 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampled :

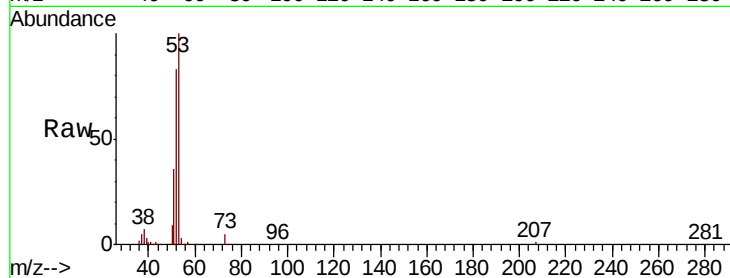
Tot Ion: 53 Resp: 278011

Ion Ratio Lower Upper

53 100

52 83.2 66.8 100.2

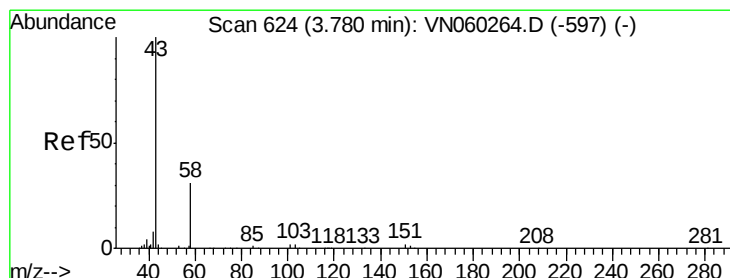
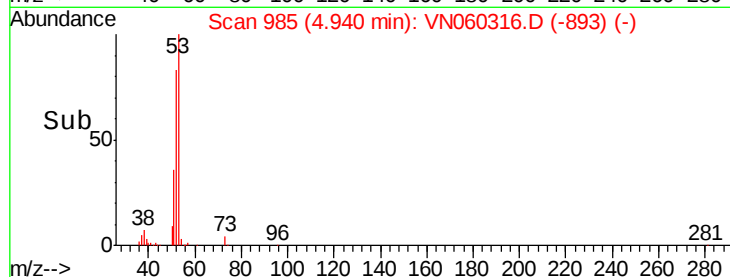
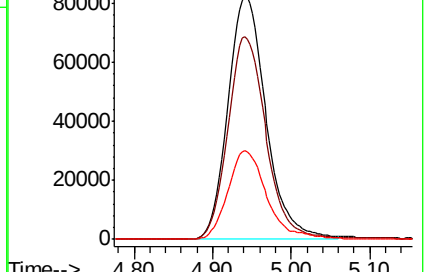
51 37.3 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060316.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060316.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060316.D (-893) (-)



#16

Acetone

Concen: 242.211 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060316.D

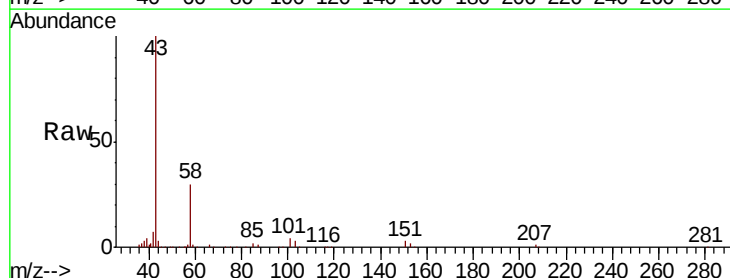
Acq: 3 Mar 2020 9:32

Tgt Ion: 43 Resp: 213618

Ion Ratio Lower Upper

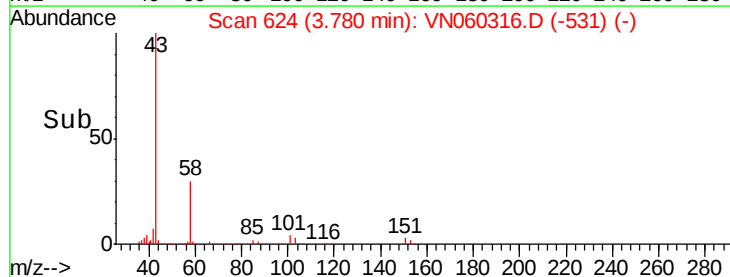
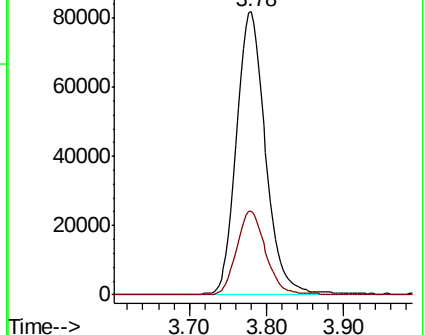
43 100

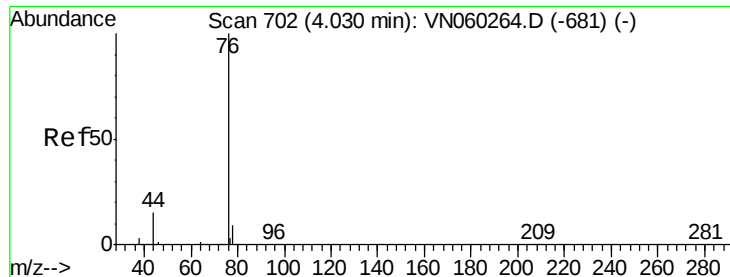
58 29.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060316.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060316.D (-531) (-)

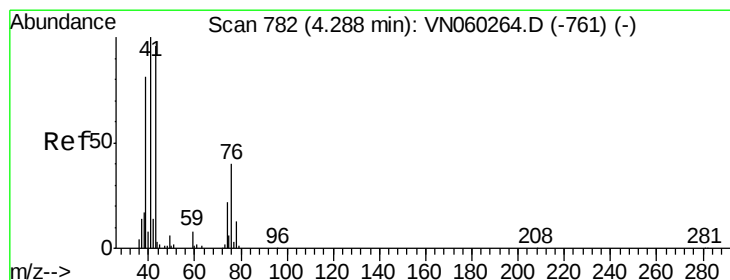
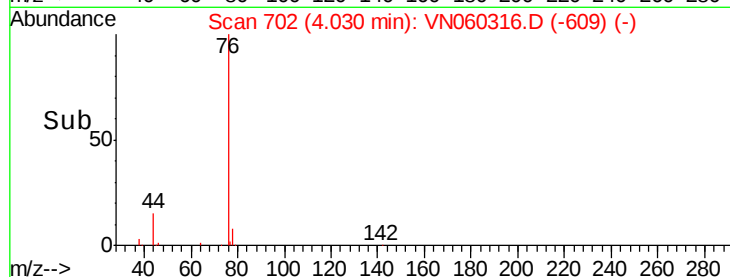
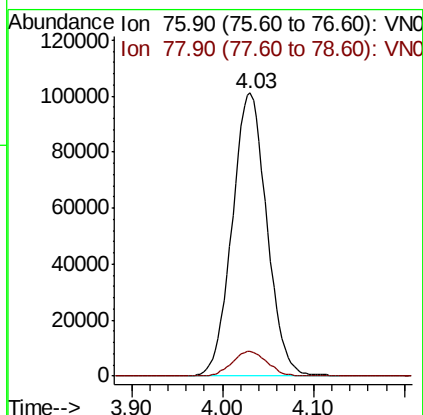
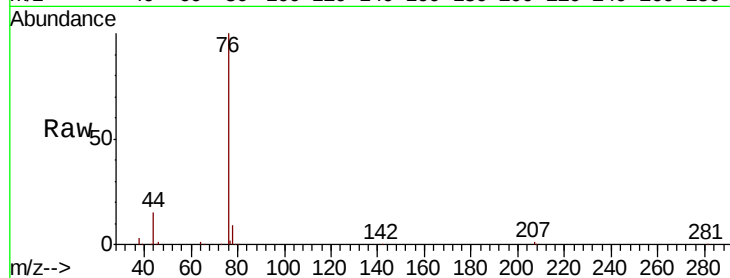




#17
Carbon Disulfide
Concen: 49.248 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

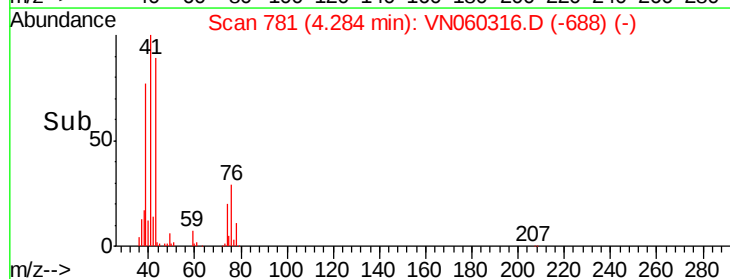
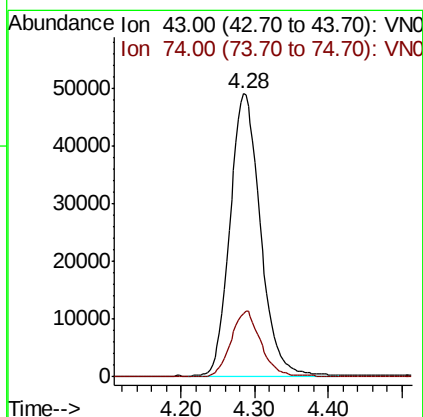
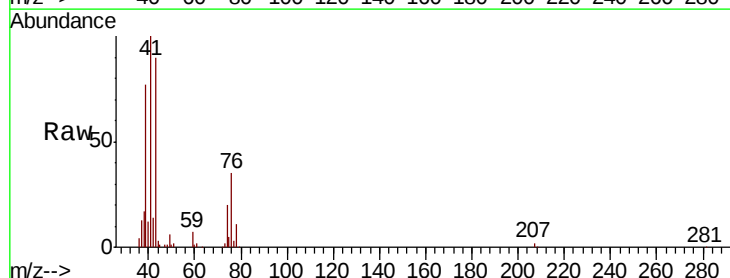
Instrument :
MSVOA_N
ClientSampled :

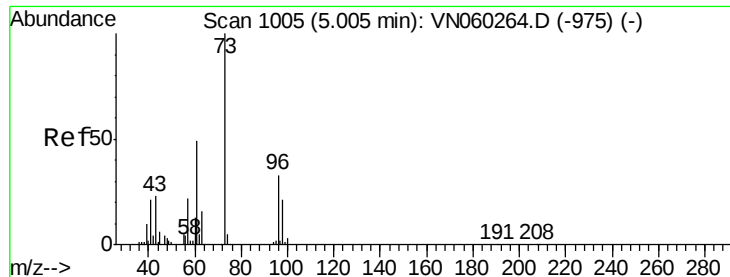
Tot Ion: 76 Resp: 267325
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 47.701 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 43 Resp: 140395
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2

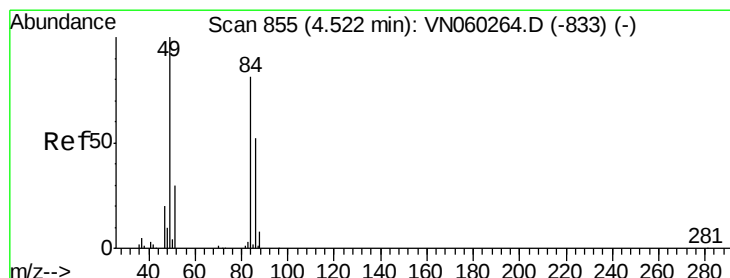
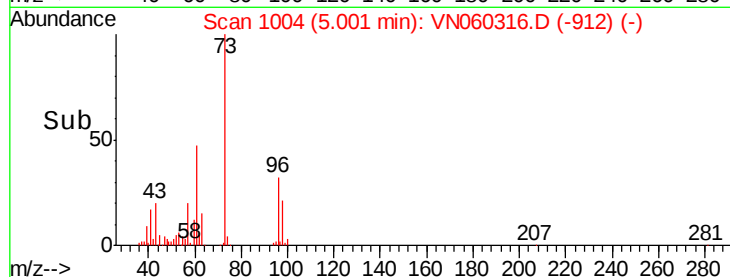
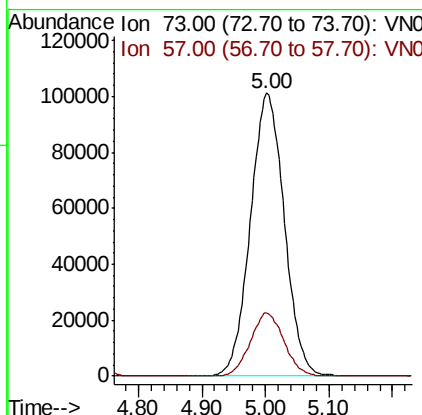
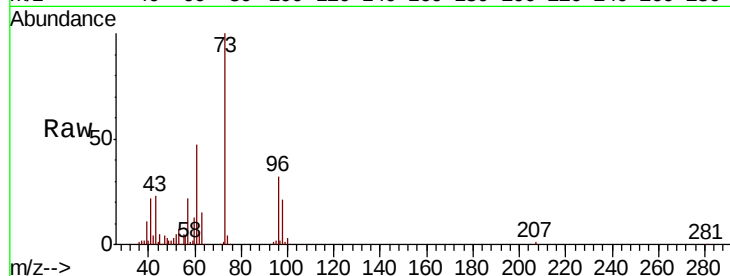




#19
Methvl tert-butvl Ether
Concen: 50.601 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

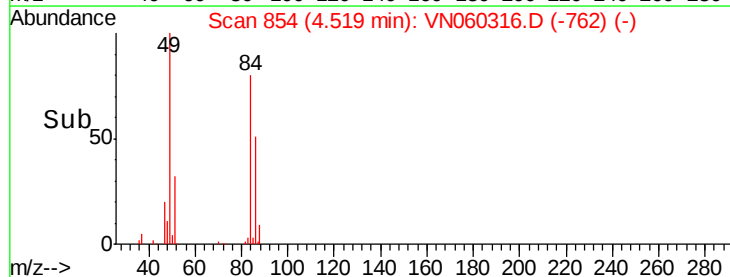
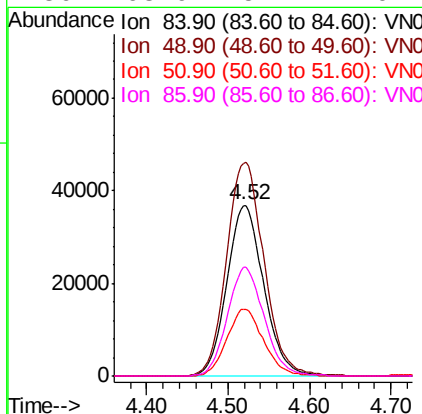
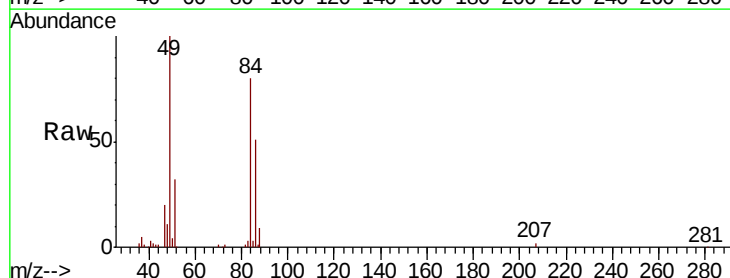
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 375707
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9



#20
Methylene Chloride
Concen: 48.032 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 84 Resp: 116339
Ion Ratio Lower Upper
84 100
49 125.0 99.3 148.9
51 39.4 30.1 45.1
86 63.9 51.1 76.7



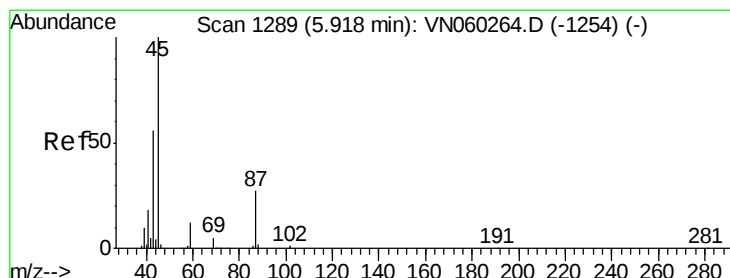
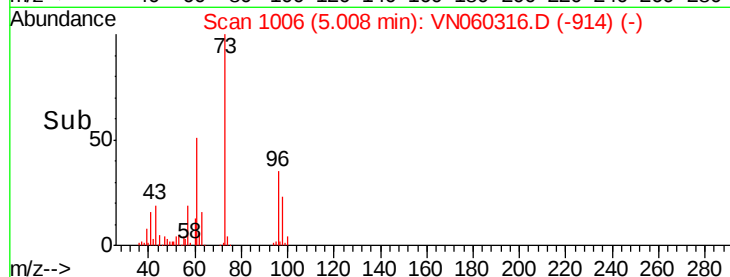
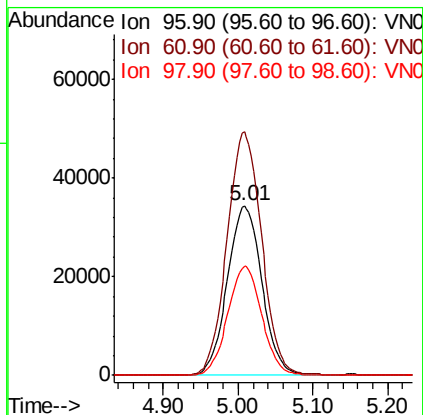
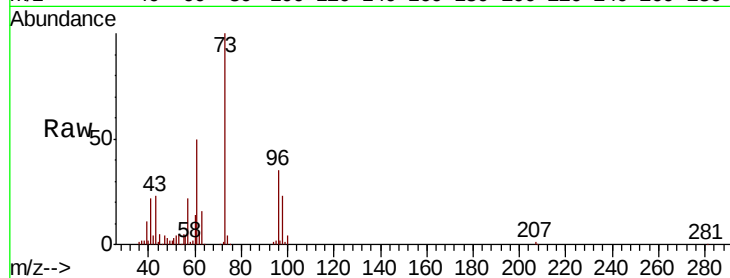


#21

trans-1,2-Dichloroethene
Concen: 50.329 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Instrument :
MSVOA_N
ClientSampleId :

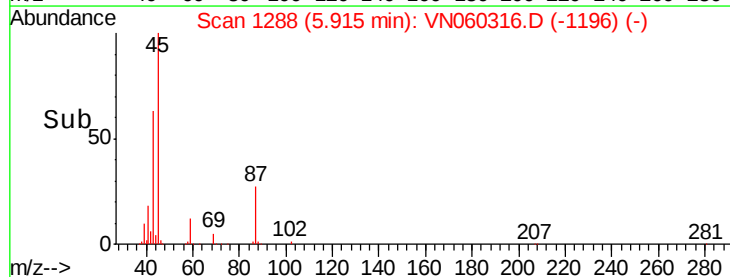
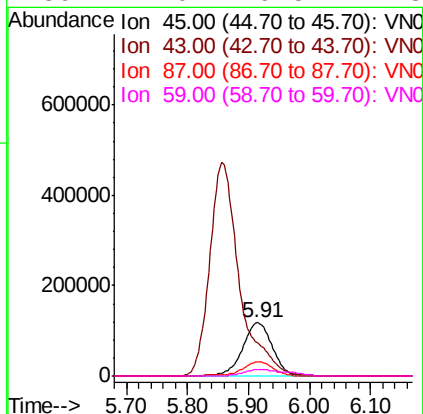
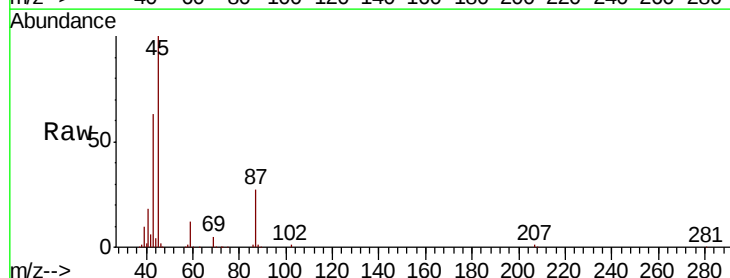
Tot Ion: 96 Resp: 110576
Ion Ratio Lower Upper
96 100
61 143.2 113.8 170.8
98 64.0 48.8 73.2



#22

Diisopropyl ether
Concen: 52.249 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 45 Resp: 399067
Ion Ratio Lower Upper
45 100
43 61.7 48.6 72.8
87 26.8 22.2 33.2
59 12.0 9.5 14.3





#23

Vinyl Acetate

Concen: 264.173 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

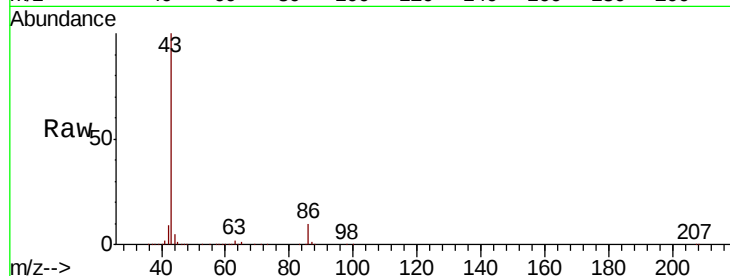
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1603316

Ion Ratio Lower Upper

43 100

86 10.0 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060316.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060316.D (-1178) (-)

5.86

500000

400000

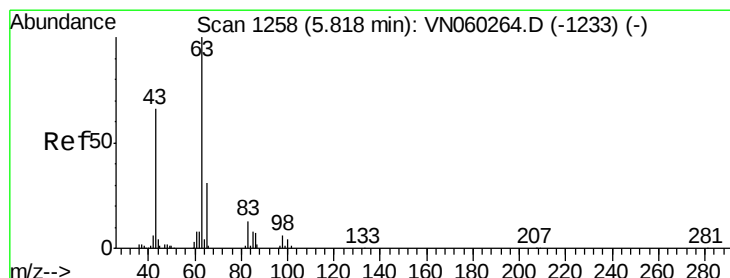
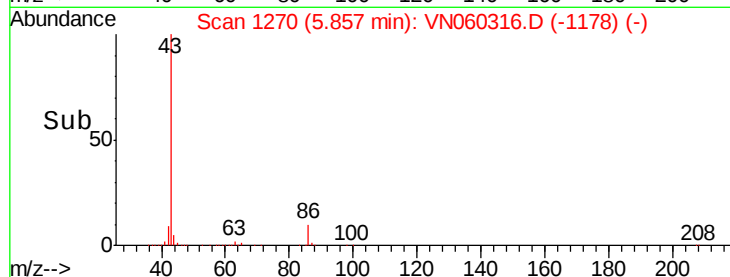
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.046 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

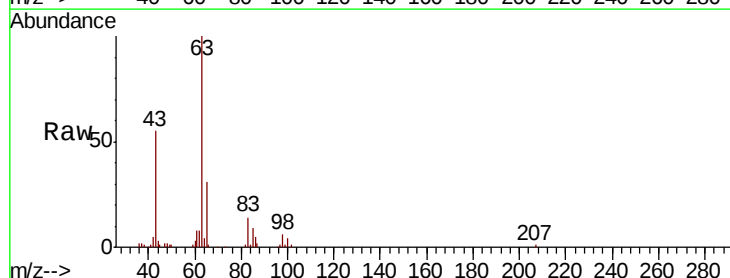
Tgt Ion: 63 Resp: 220695

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060316.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060316.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060316.D (-1165) (-)

5.81

80000

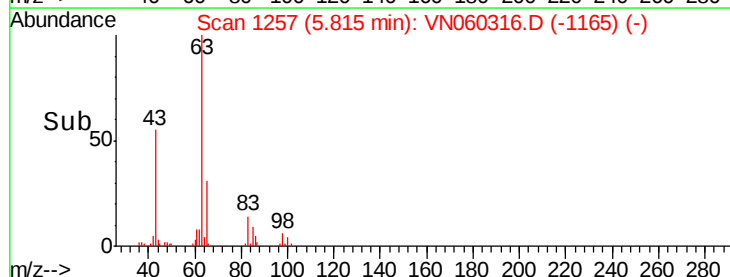
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 266.338 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

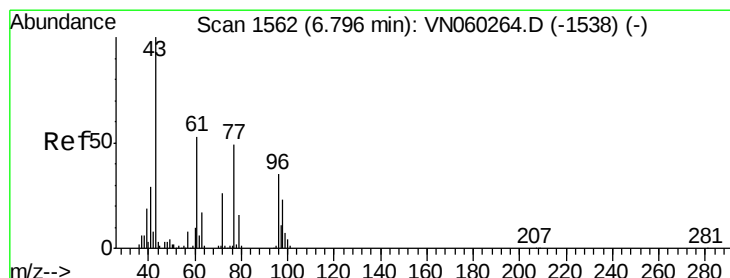
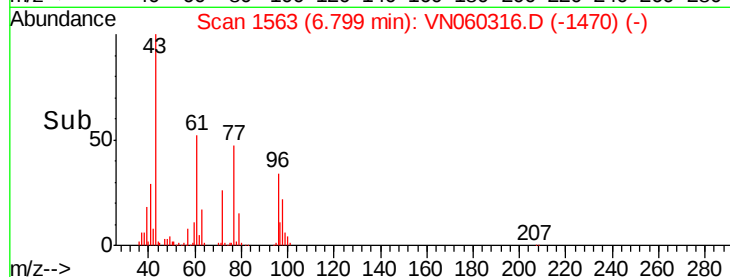
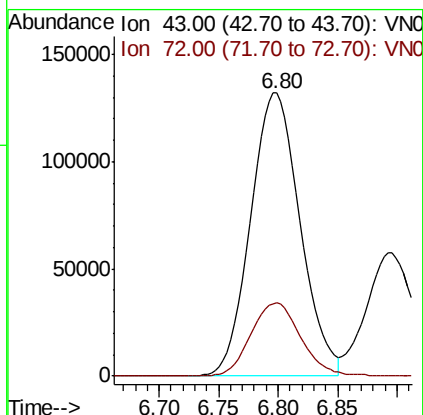
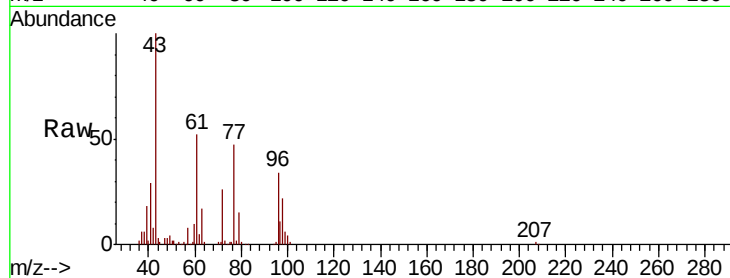
ClientSampled :

Tot Ion: 43 Resp: 379415

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 51.513 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060316.D

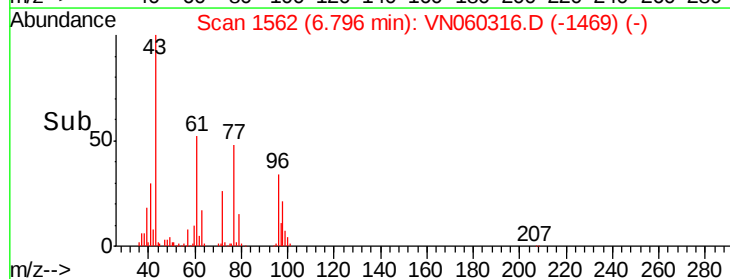
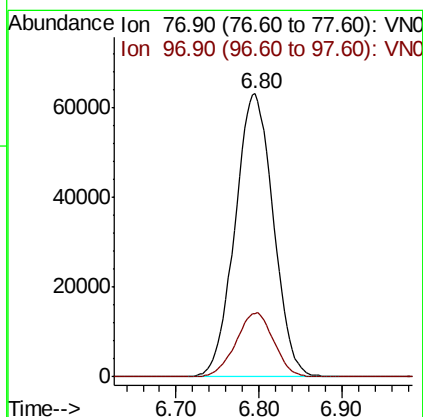
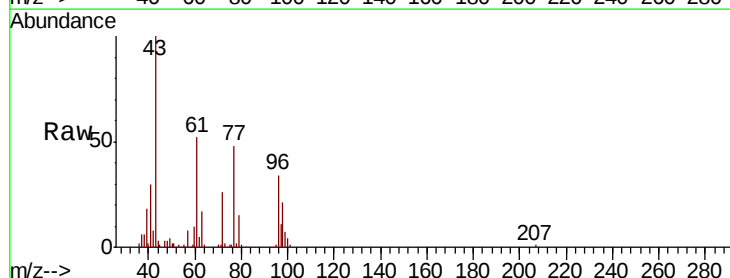
Acq: 3 Mar 2020 9:32

Tgt Ion: 77 Resp: 202753

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 47.257 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

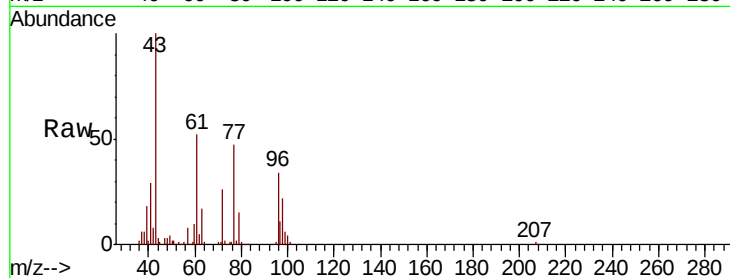
Tot Ion: 96 Resp: 132724

Ion Ratio Lower Upper

96 100

61 153.2 0.0 300.8

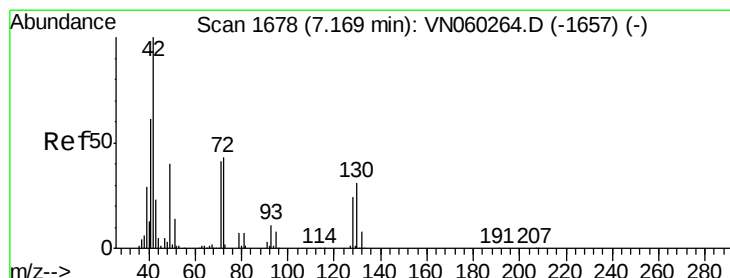
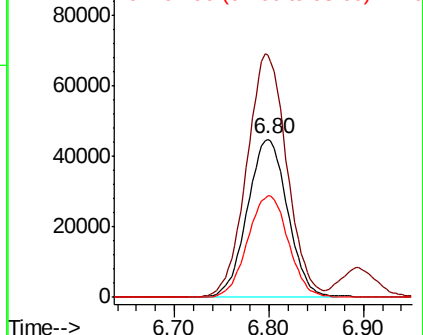
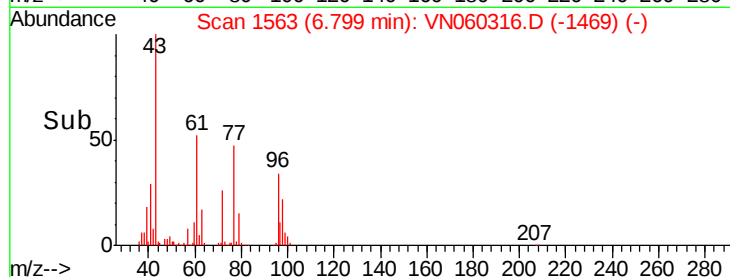
98 64.7 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060316.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060316.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060316.D (-1469) (-)



#28

Bromochloromethane

Concen: 49.267 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

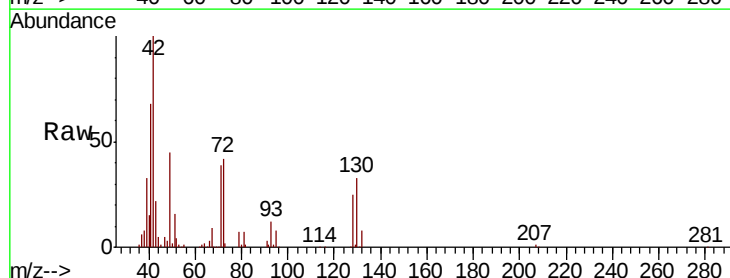
Tgt Ion: 49 Resp: 87455

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

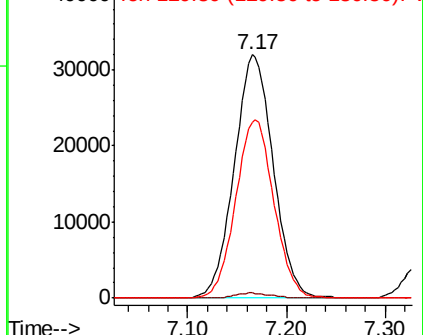
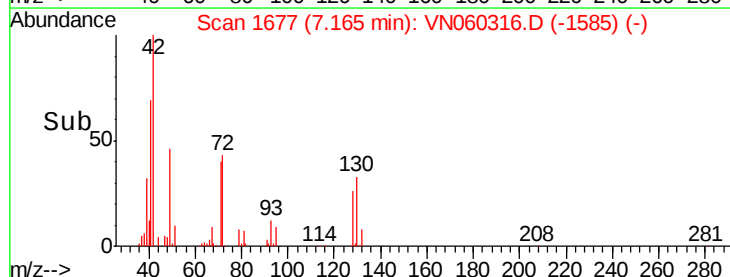
130 72.0 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN060316.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060316.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060316.D (-1585) (-)

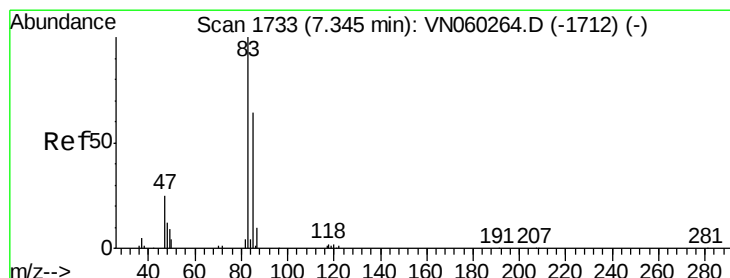
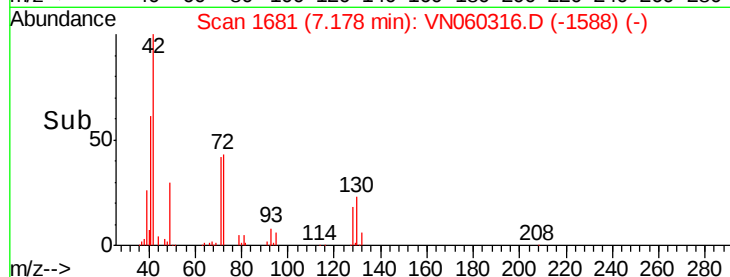
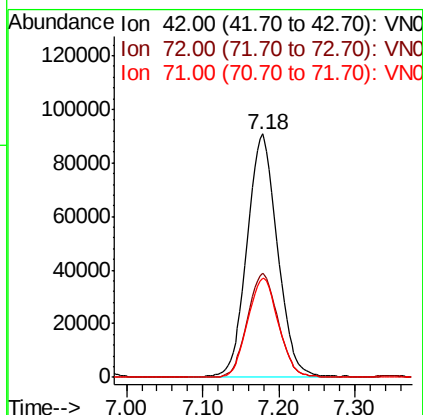
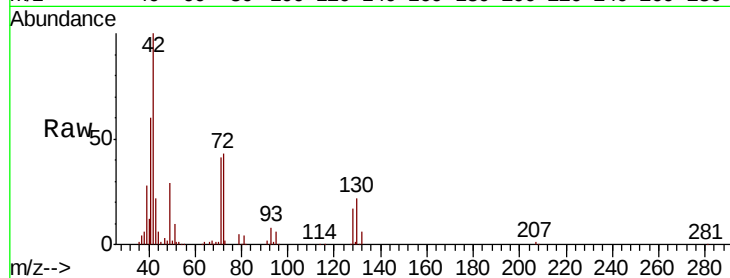




#29
Tetrahydrofuran
Concen: 256.285 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

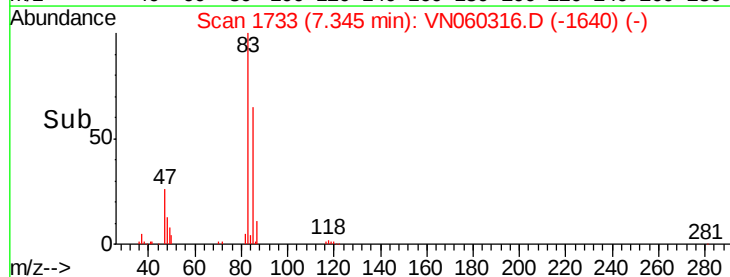
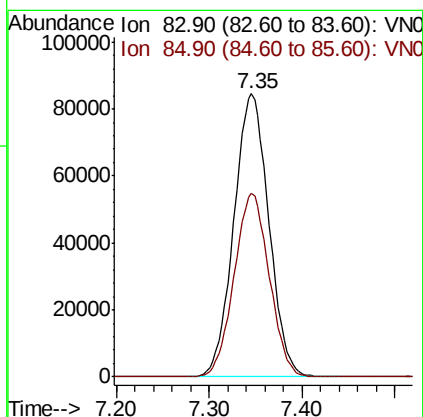
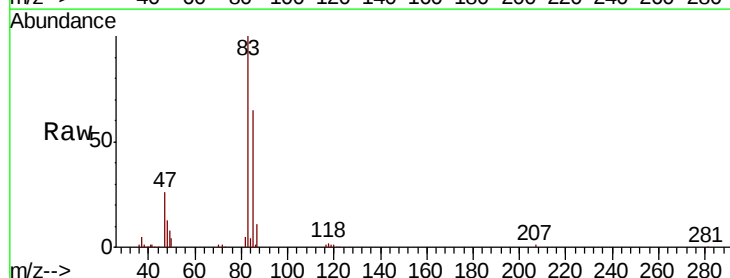
Instrument :
MSVOA_N
ClientSampleId :

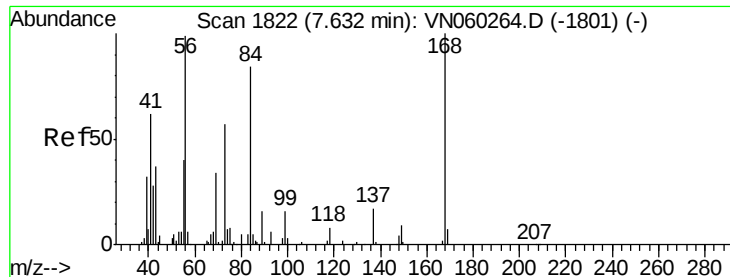
Tot Ion: 42 Resp: 253878
Ion Ratio Lower Upper
42 100
72 42.9 34.6 52.0
71 41.0 32.9 49.3



#30
Chloroform
Concen: 51.318 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 83 Resp: 220870
Ion Ratio Lower Upper
83 100
85 65.0 51.4 77.2

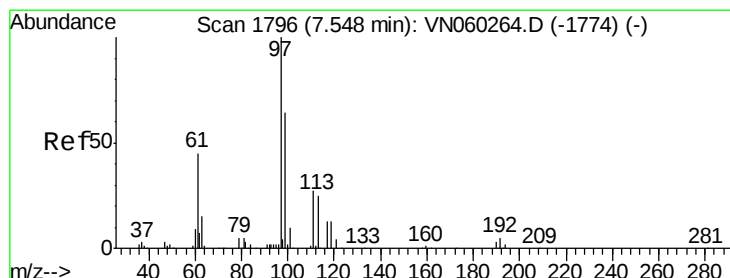
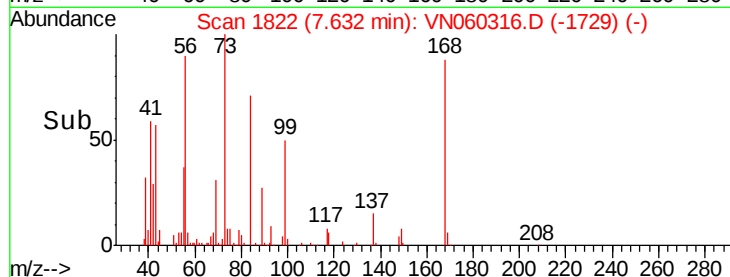
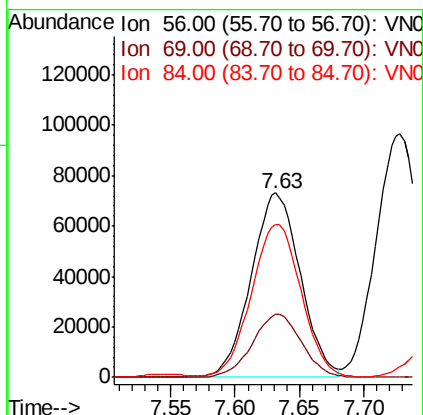
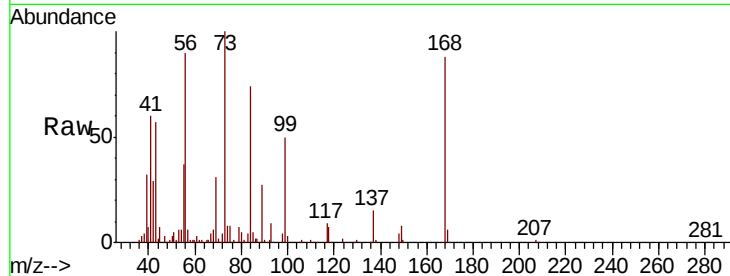




#31
Cyclohexane
Concen: 52.626 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

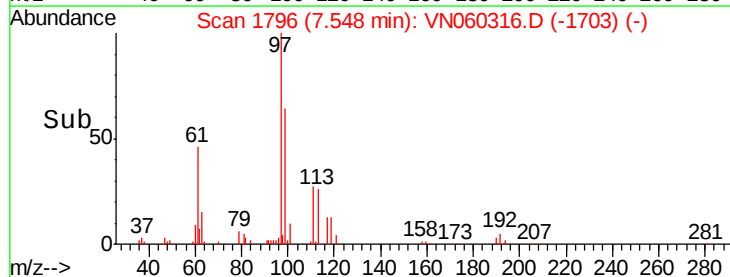
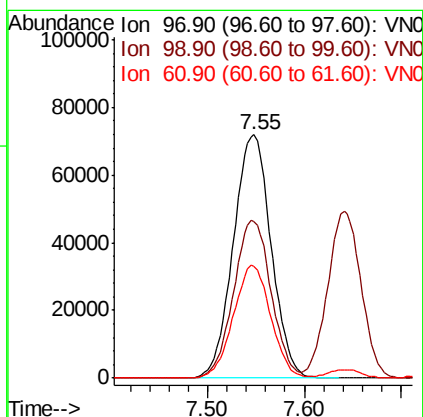
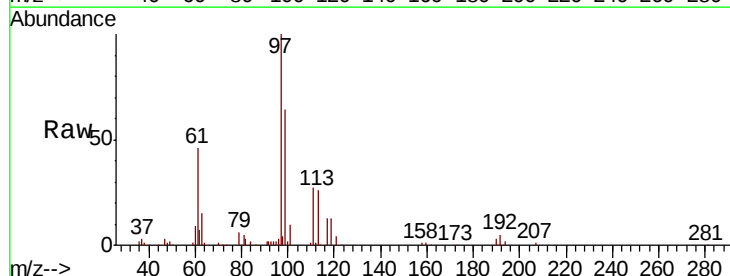
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 193902
Ion Ratio Lower Upper
56 100
69 34.3 27.2 40.8
84 82.1 66.7 100.1



#32
1,1,1-Trichloroethane
Concen: 51.229 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 97 Resp: 195353
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 45.8 36.6 55.0

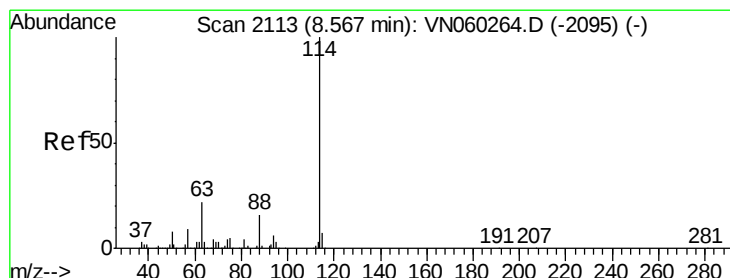
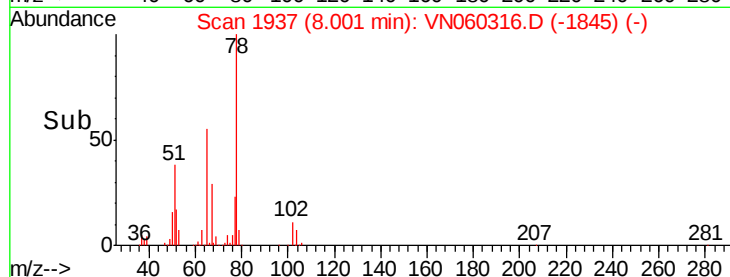
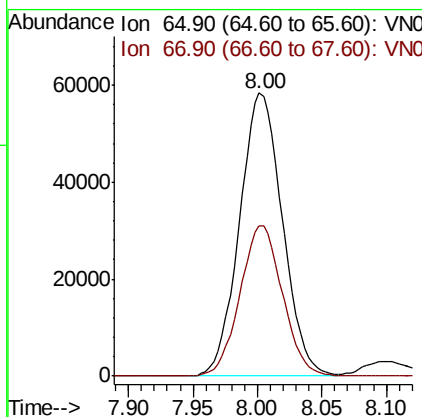
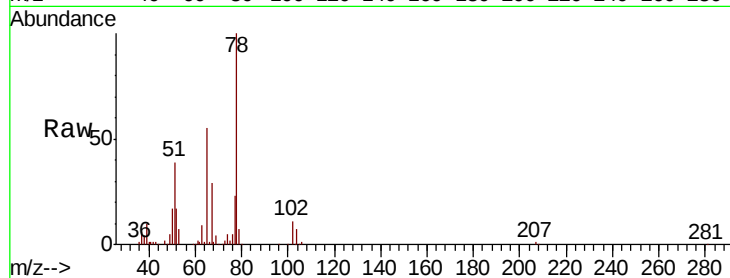




#33
 1,2-Dichloroethane-d4
 Concen: 49.597 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

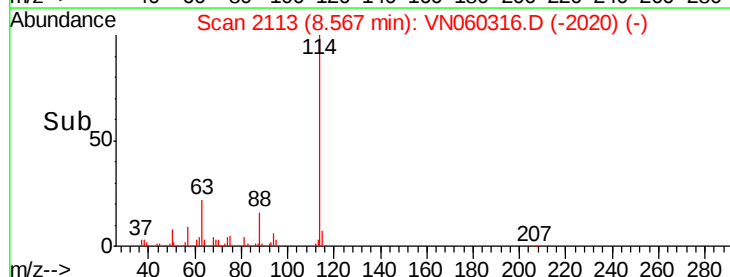
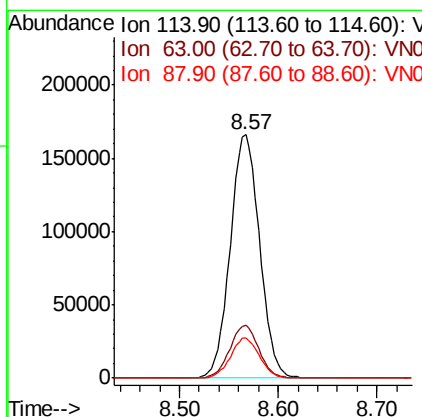
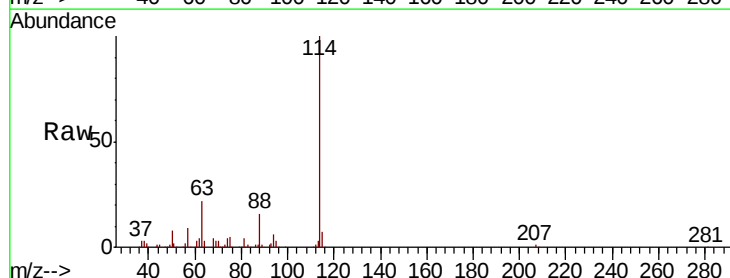
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 135453
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Tgt Ion: 114 Resp: 345051
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.2 0.0 31.6

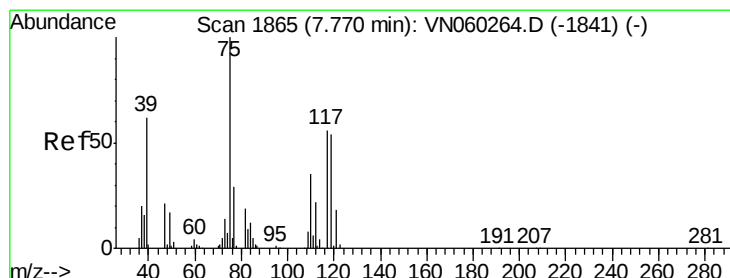
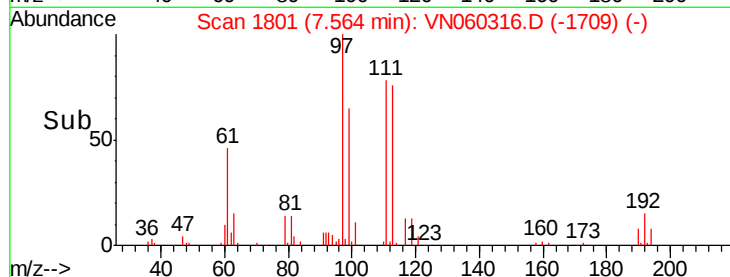
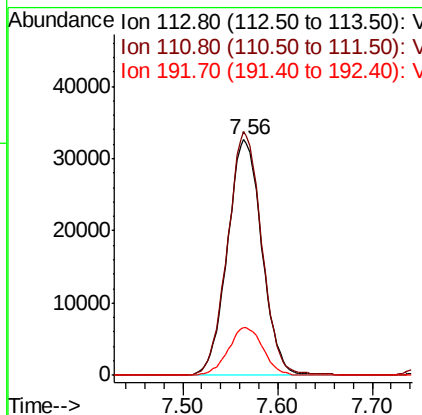
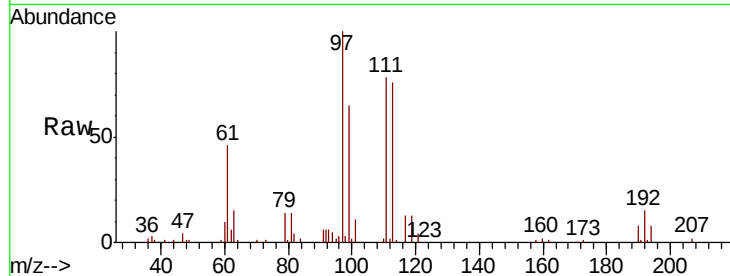




#35
 Dibromofluoromethane
 Concen: 51.552 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

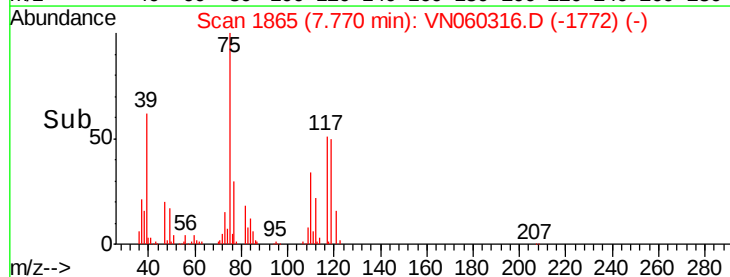
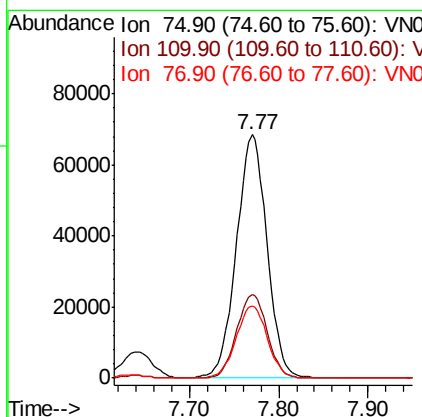
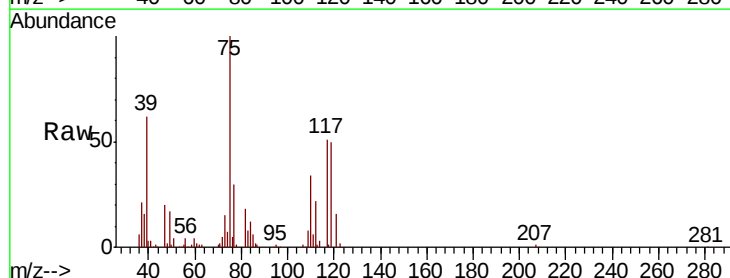
Instrument :
 MSVOA_N
 ClientSampled :

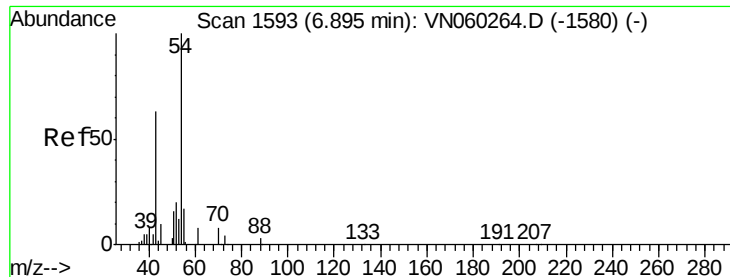
Tot Ion:113 Resp: 82567
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 49.655 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Tgt Ion: 75 Resp: 163290
 Ion Ratio Lower Upper
 75 100
 110 34.3 17.3 52.0
 77 30.4 24.2 36.2

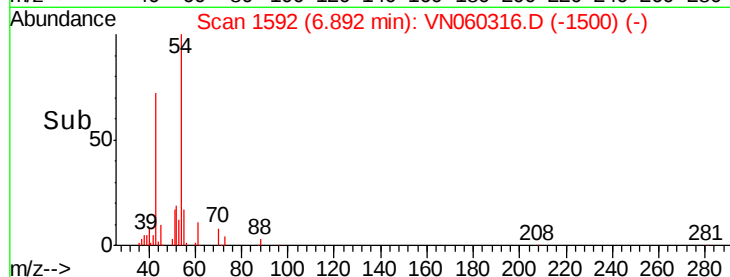
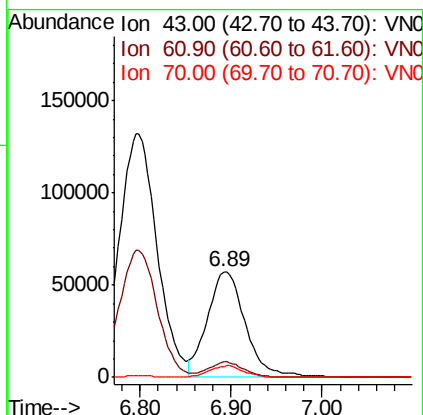
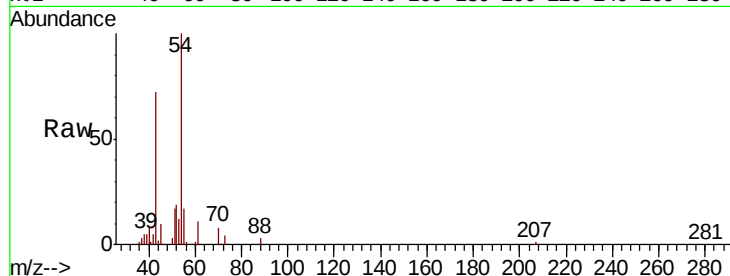




#37
Ethyl Acetate
Concen: 52.616 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

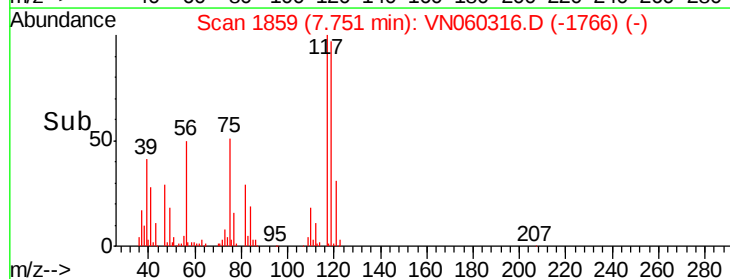
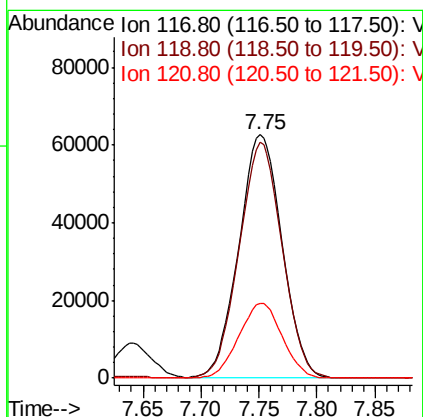
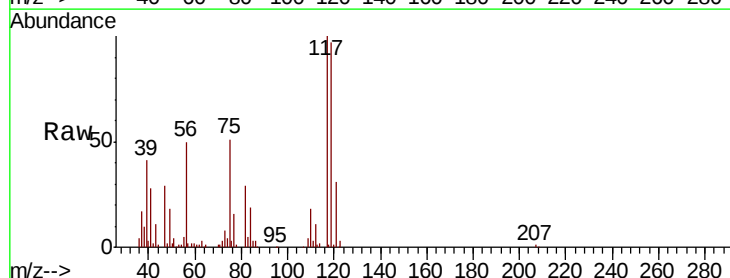
Instrument :
MSVOA_N
ClientSampled :

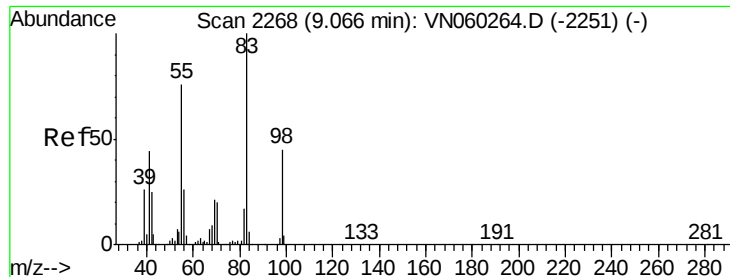
Tot Ion	43	Resp	163837
Ion Ratio	Lower	Upper	
43	100		
61	13.9	11.1	16.7
70	10.3	8.4	12.6



#38
Carbon Tetrachloride
Concen: 50.824 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion	117	Resp	162726
Ion Ratio	Lower	Upper	
117	100		
119	96.7	76.7	115.1
121	30.9	24.5	36.7

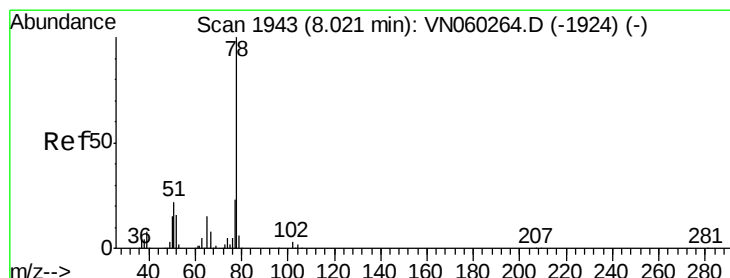
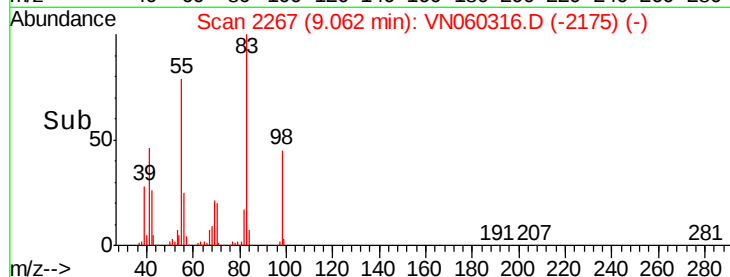
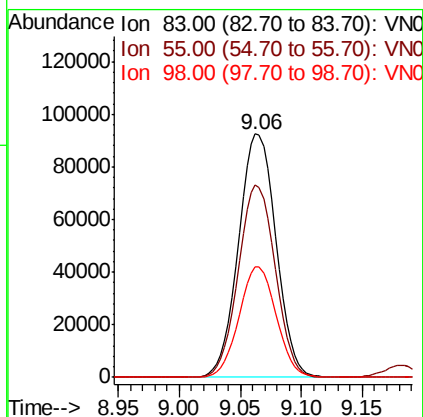
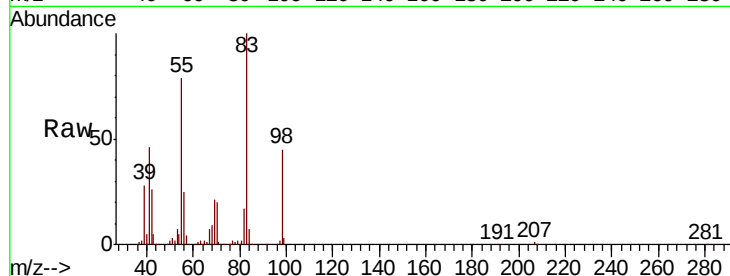




#39
Methvlcvclohexane
Concen: 50.745 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

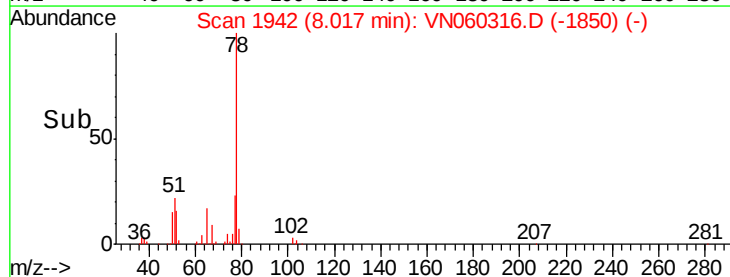
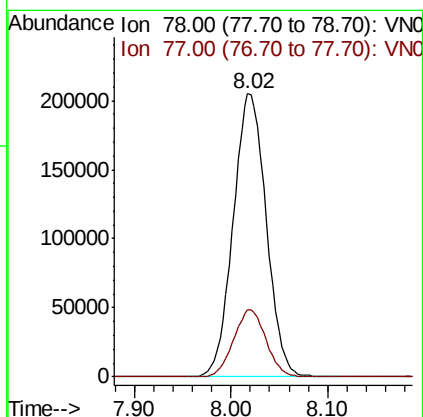
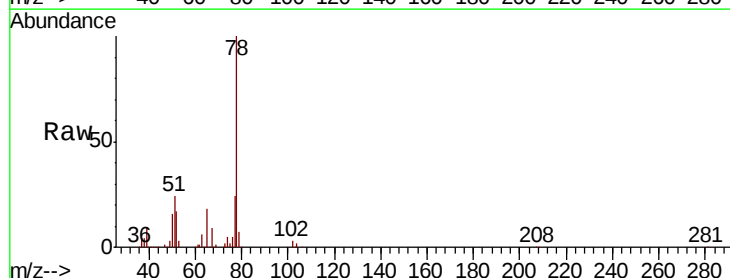
Instrument :
MSVOA_N
ClientSampled :

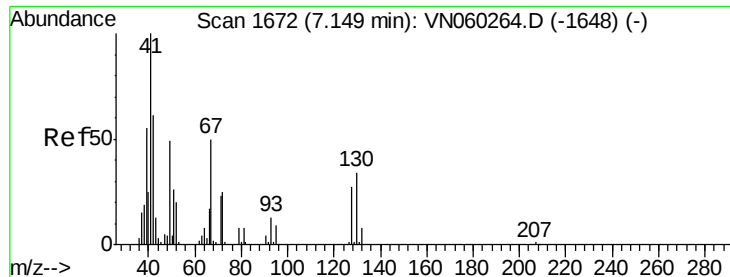
Tot Ion: 83 Resp: 196756
Ion Ratio Lower Upper
83 100
55 78.8 61.0 91.4
98 45.3 36.1 54.1



#40
Benzene
Concen: 50.836 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 78 Resp: 486569
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

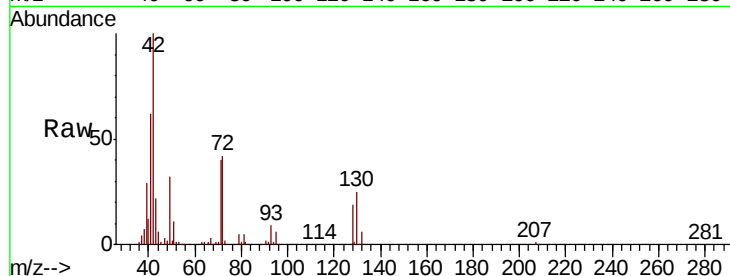




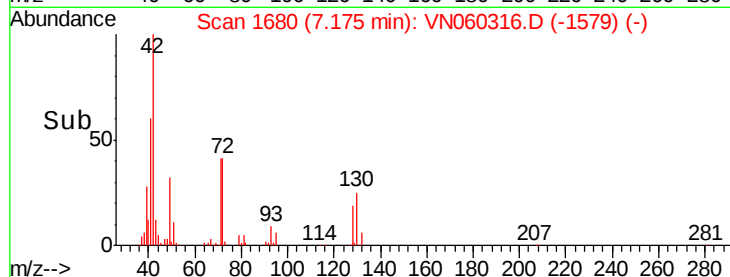
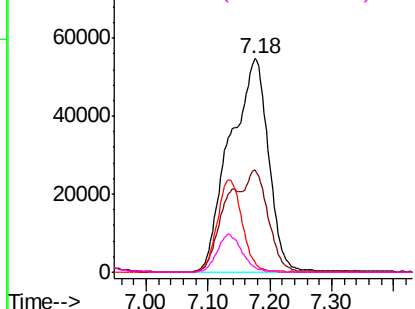
#41
Methacrylonitrile
Concen: 164.973 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	237191
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

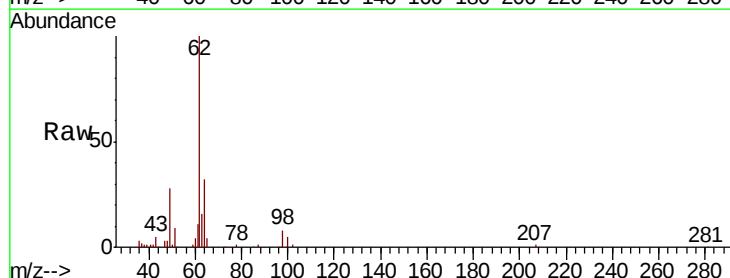


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

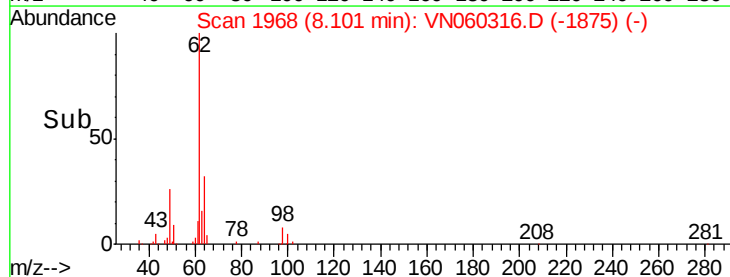
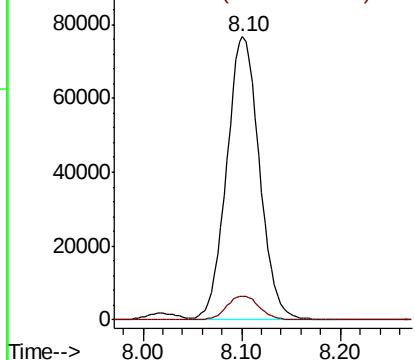


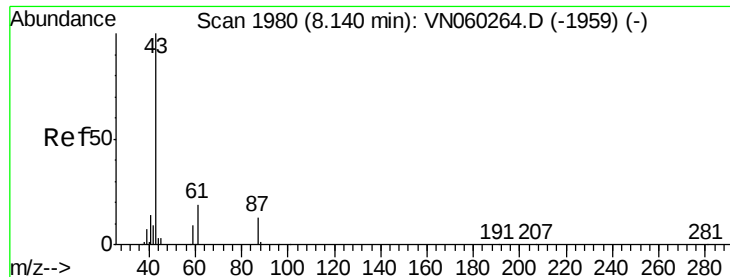
#42
1,2-Dichloroethane
Concen: 51.593 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion:	62	Resp:	178197
Ion	Ratio	Lower	Upper
62	100		
98	8.4	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: 53.335 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

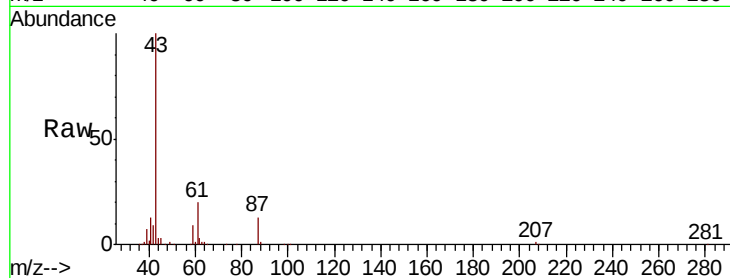
Tot Ion: 43 Resp: 290742

Ion Ratio Lower Upper

43 100

61 25.6 20.9 31.3

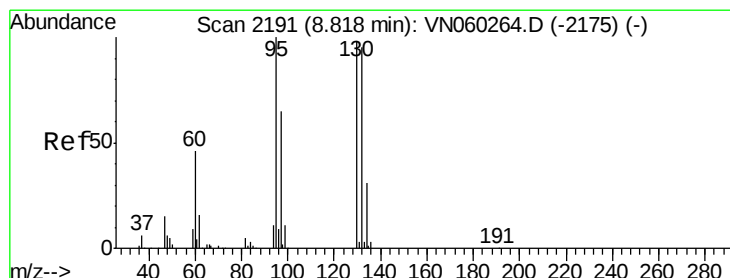
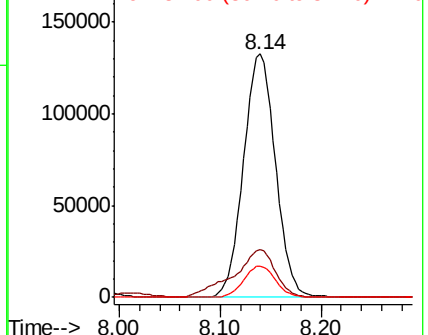
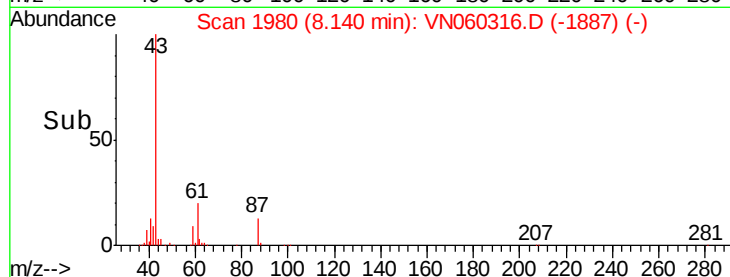
87 12.8 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060316.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060316.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060316.D (-1887) (-)



#44

Trichloroethene

Concen: 49.529 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060316.D

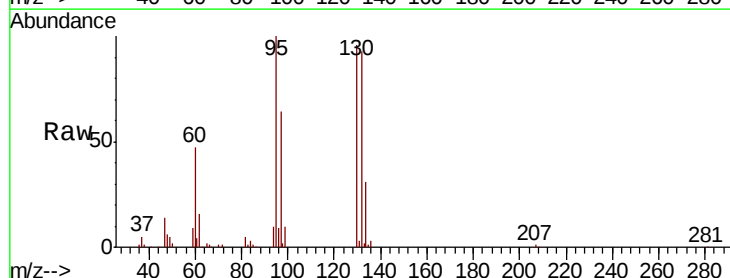
Acq: 3 Mar 2020 9:32

Tgt Ion:130 Resp: 132030

Ion Ratio Lower Upper

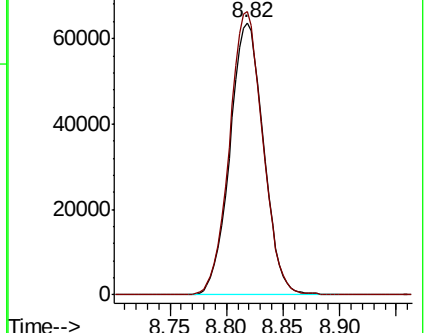
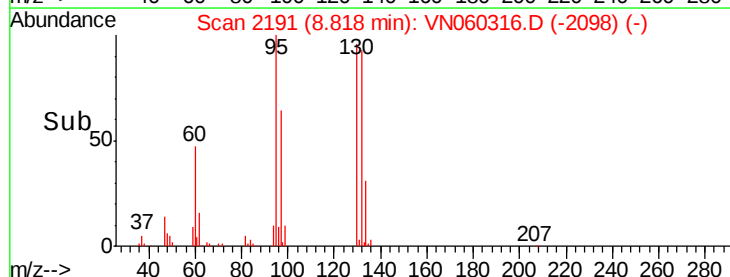
130 100

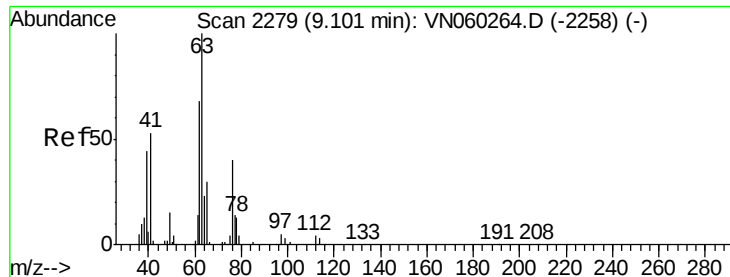
95 104.1 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060316.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060316.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 53.697 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

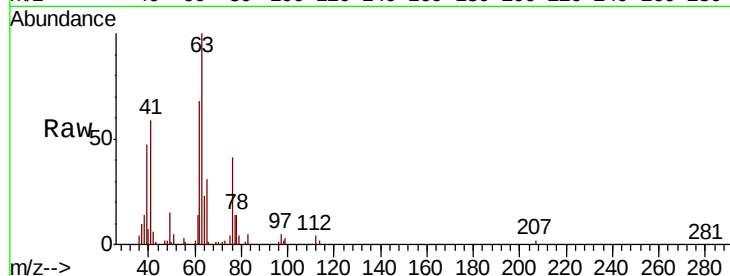
ClientSampleId :

Tot Ion: 63 Resp: 134376

Ion Ratio Lower Upper

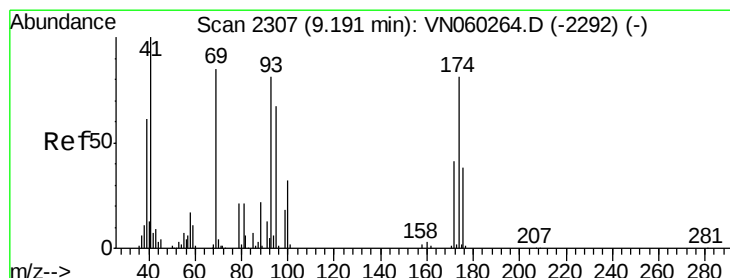
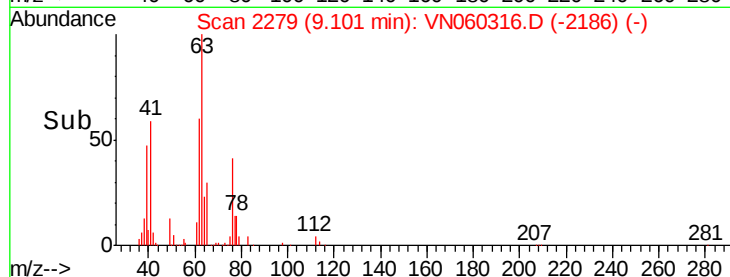
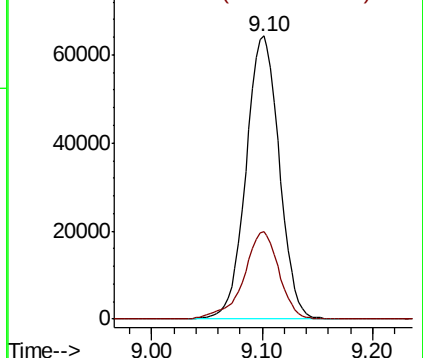
63 100

65 30.8 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: 51.267 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

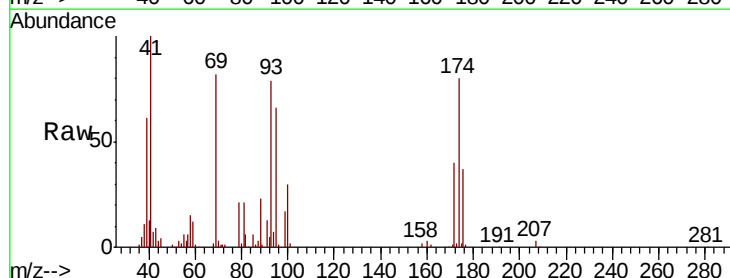
Tgt Ion: 93 Resp: 83246

Ion Ratio Lower Upper

93 100

95 83.7 65.9 98.9

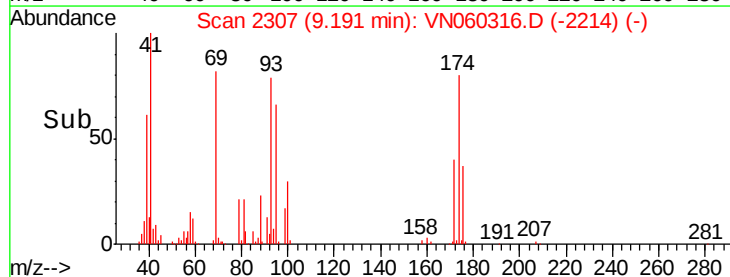
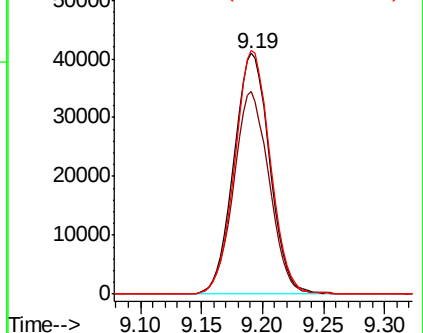
174 99.9 79.6 119.4

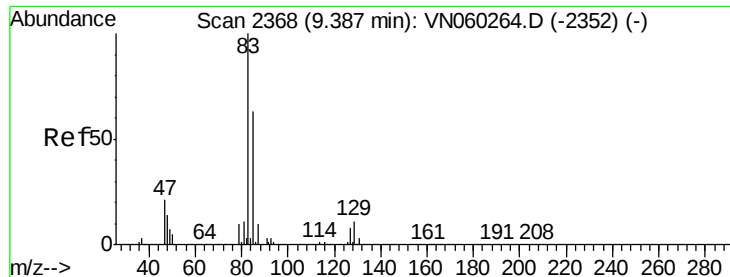


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.009 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :
MSVOA_N
ClientSampleId :

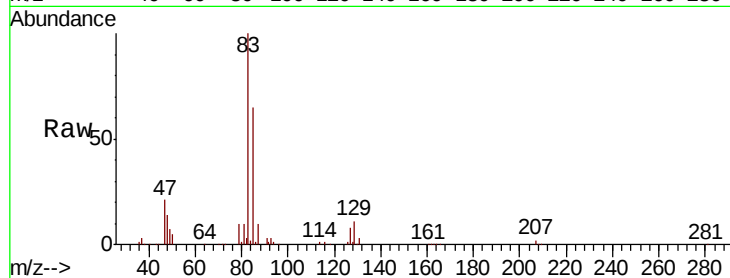
Tot Ion: 83 Resp: 178363

Ion Ratio Lower Upper

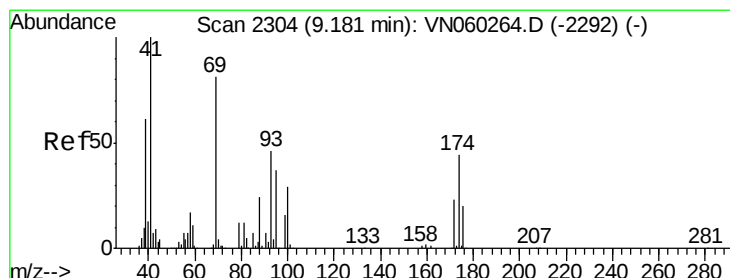
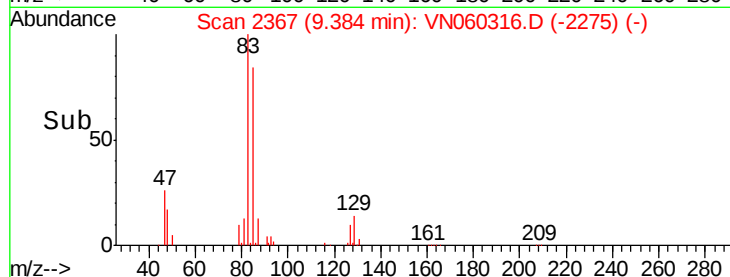
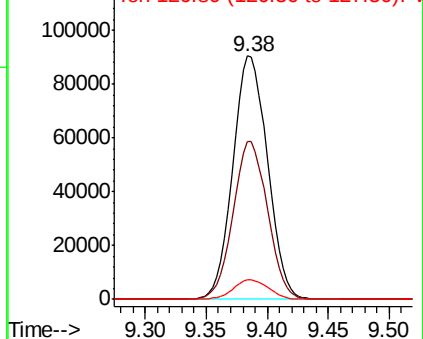
83 100

85 64.8 50.7 76.1

127 8.0 6.8 10.2



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



#48

Methyl methacrylate

Concen: 52.213 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

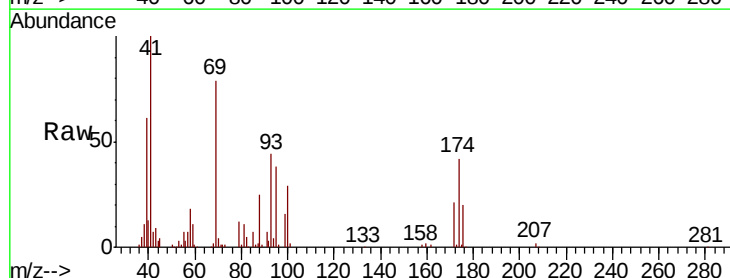
Tgt Ion: 41 Resp: 129792

Ion Ratio Lower Upper

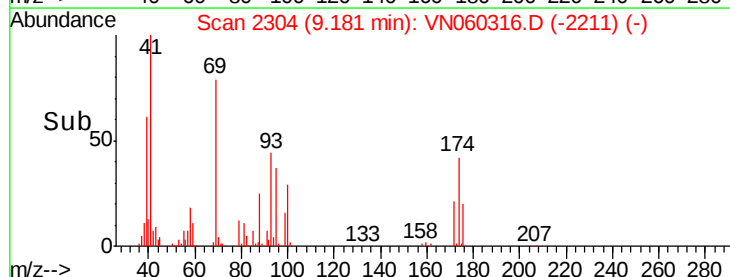
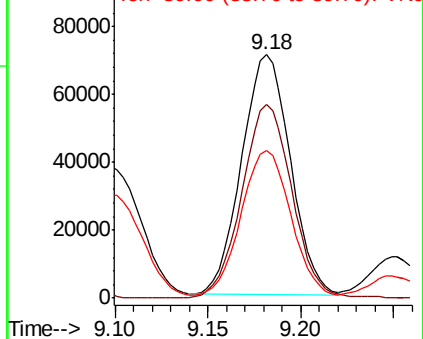
41 100

69 82.4 66.7 100.1

39 60.9 50.1 75.1



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

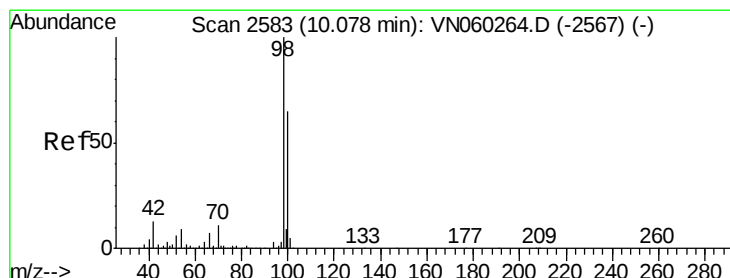
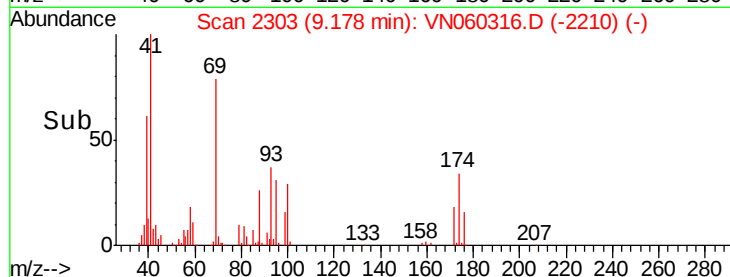
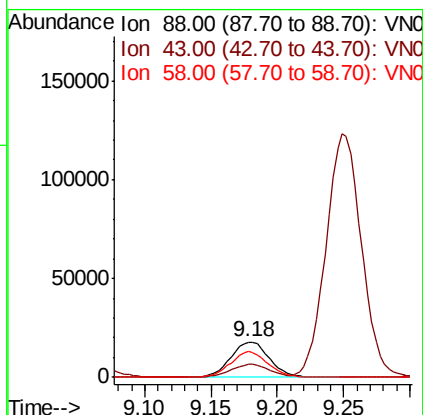
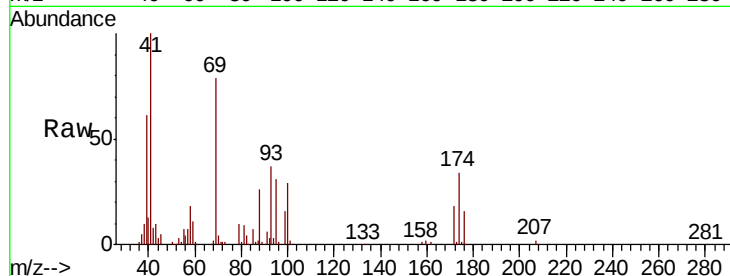




#49
1,4-Dioxane
Concen: 1048.011 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

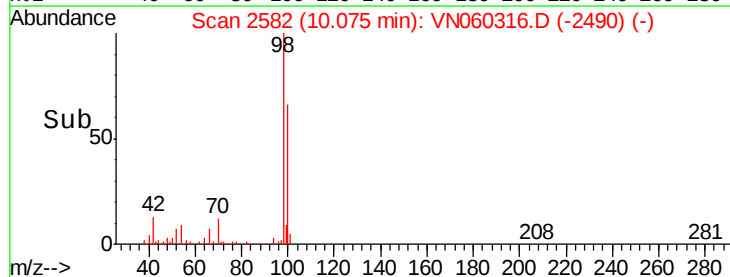
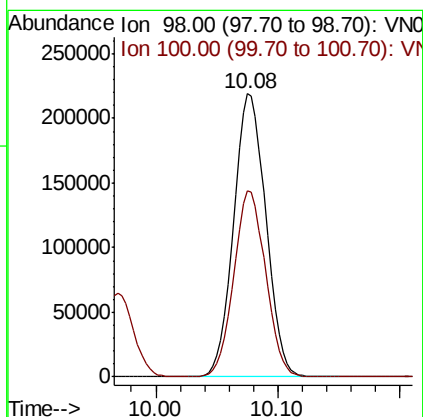
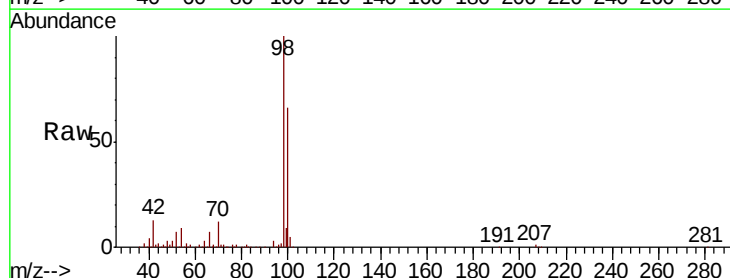
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 36636
Ion Ratio Lower Upper
88 100
43 36.8 30.4 45.6
58 70.6 57.0 85.6



#50
Toluene-d8
Concen: 49.473 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 98 Resp: 401025
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 272.134 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

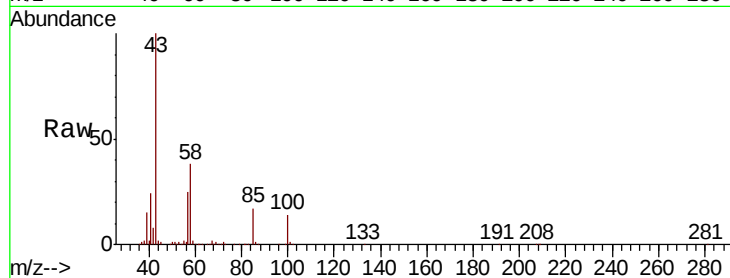
ClientSampleId :

Tot Ion: 43 Resp: 841102

Ion Ratio Lower Upper

43 100

58 38.1 30.9 46.3



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

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

9.97

500000

400000

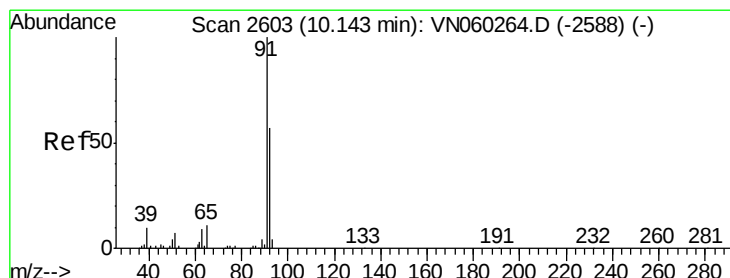
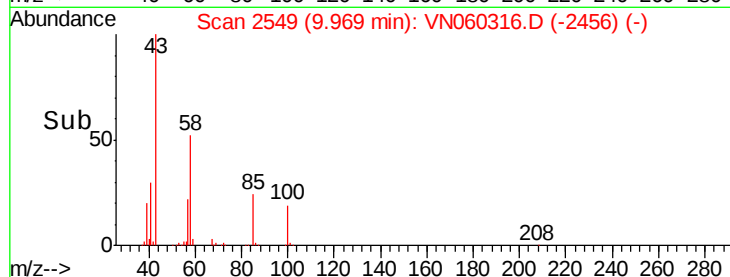
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.119 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060316.D

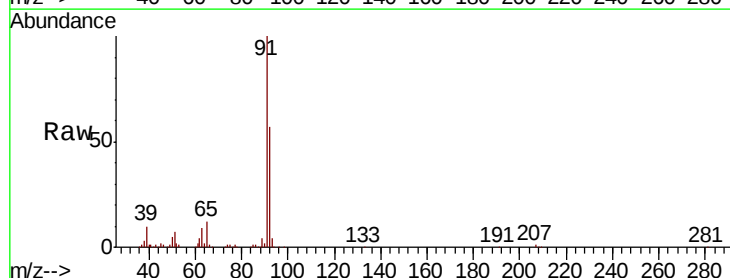
Acq: 3 Mar 2020 9:32

Tgt Ion: 92 Resp: 307346

Ion Ratio Lower Upper

92 100

91 173.7 138.1 207.1



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

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

10.14

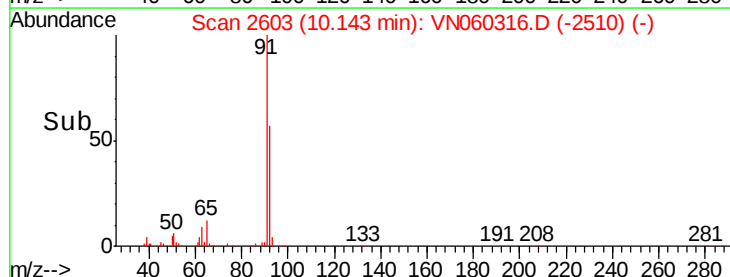
300000

200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.482 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

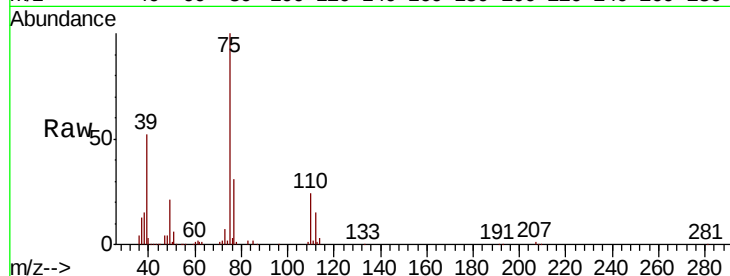
ClientSampled :

Tot Ion: 75 Resp: 208328

Ion Ratio Lower Upper

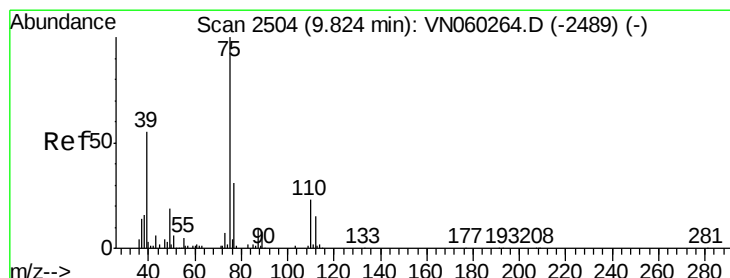
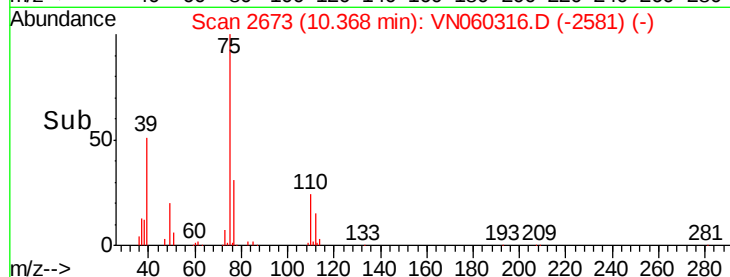
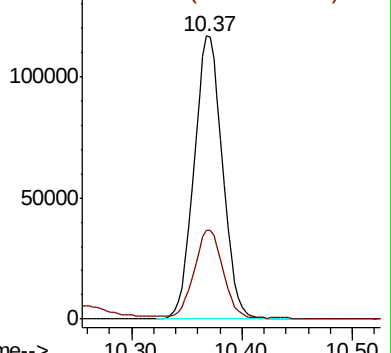
75 100

77 31.1 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: 51.683 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

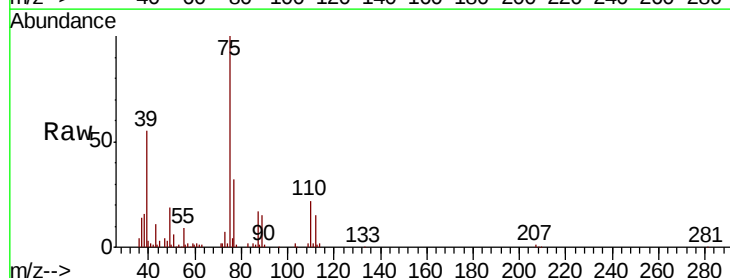
Tgt Ion: 75 Resp: 216715

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

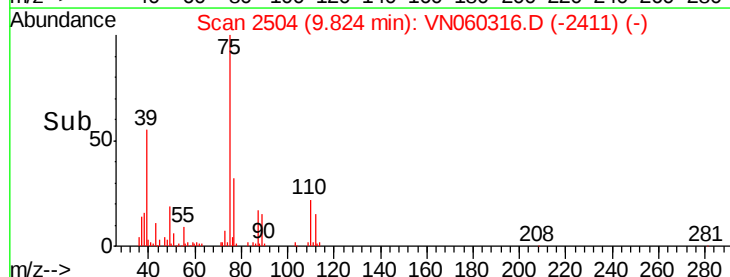
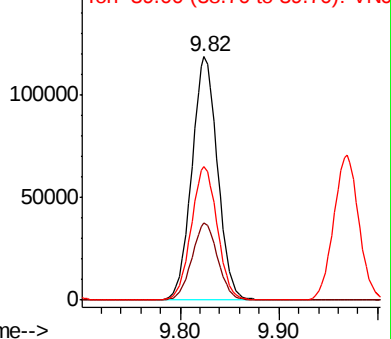
39 54.9 43.8 65.8

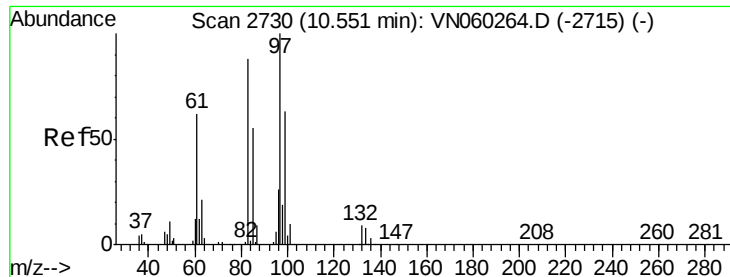


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

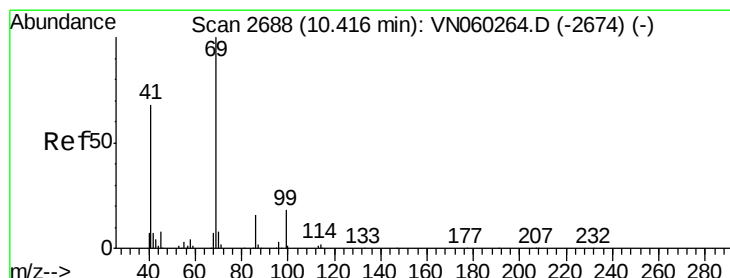
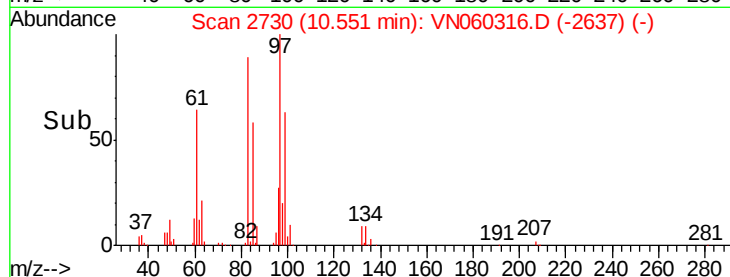
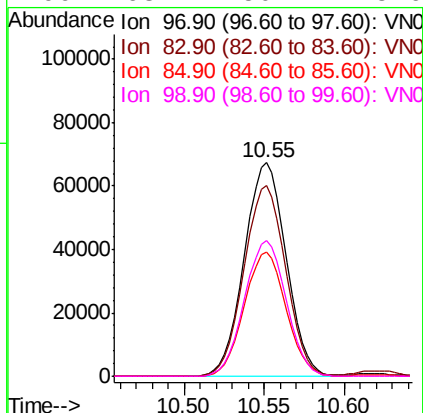
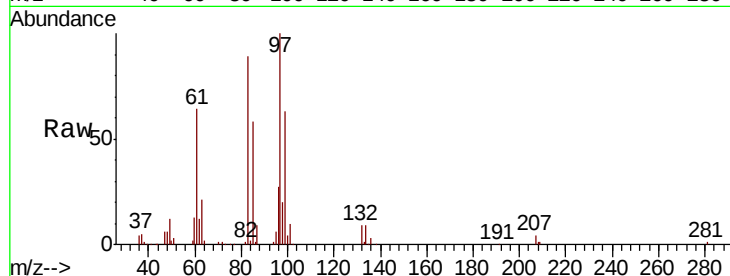




#55
 1,1,2-Trichloroethane
 Concen: 49.956 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

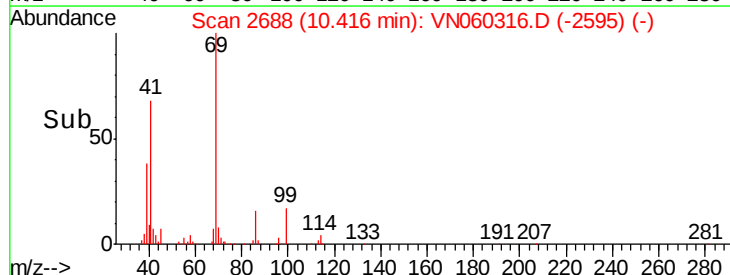
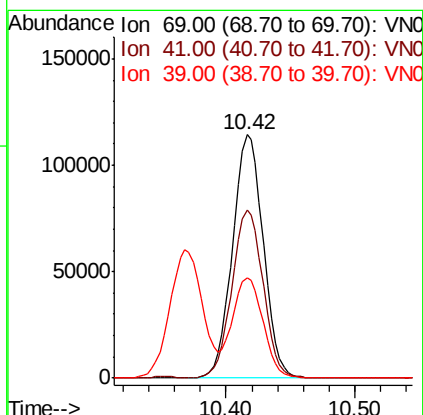
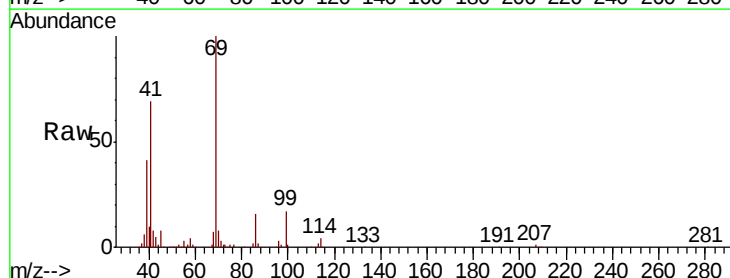
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	120785
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.0	105.0
85	58.1	44.0	66.0
99	63.4	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 54.568 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Tgt Ion:	69	Resp:	189546
Ion	Ratio	Lower	Upper
69	100		
41	69.5	54.1	81.1
39	41.6	32.5	48.7





#57

1,3-Dichloropropane

Concen: 52.403 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

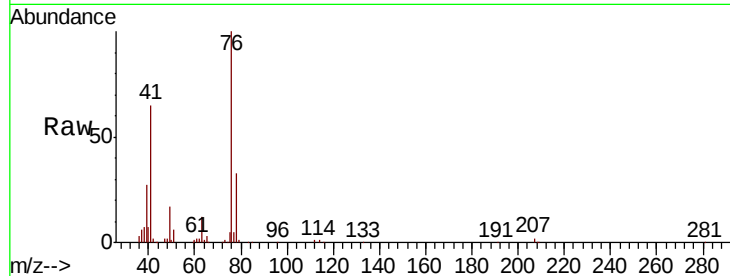
ClientSampleId :

Tot Ion: 76 Resp: 206628

Ion Ratio Lower Upper

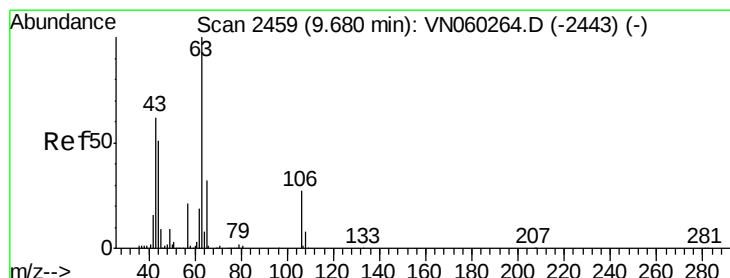
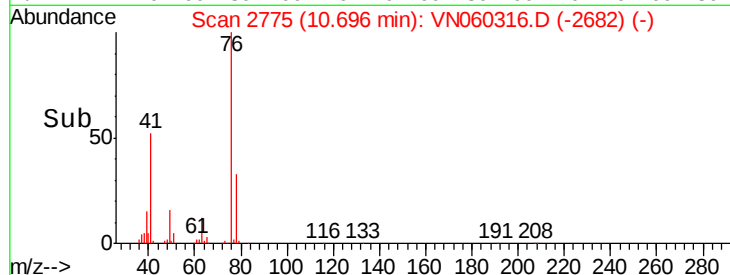
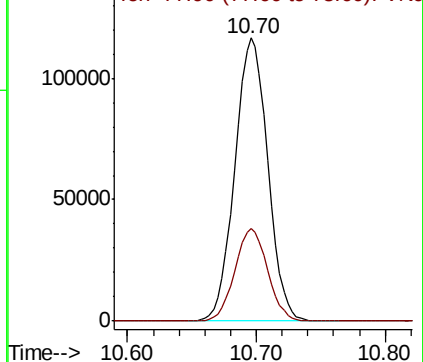
76 100

78 32.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 252.464 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060316.D

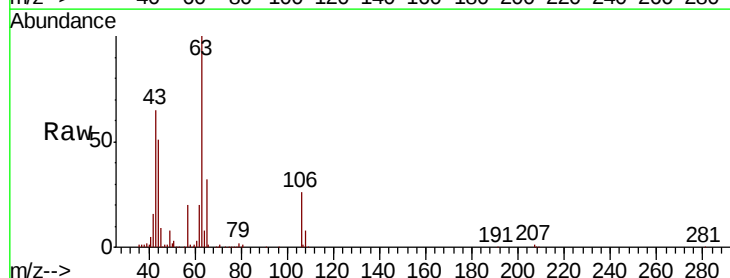
Acq: 3 Mar 2020 9:32

Tgt Ion: 63 Resp: 458657

Ion Ratio Lower Upper

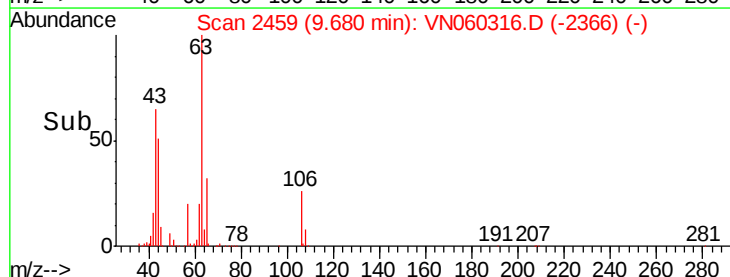
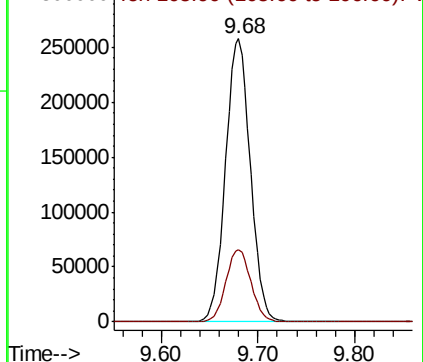
63 100

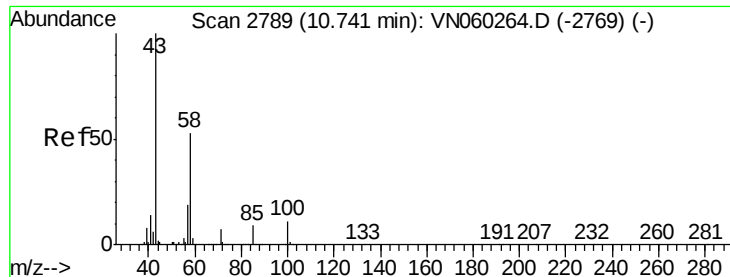
106 25.9 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

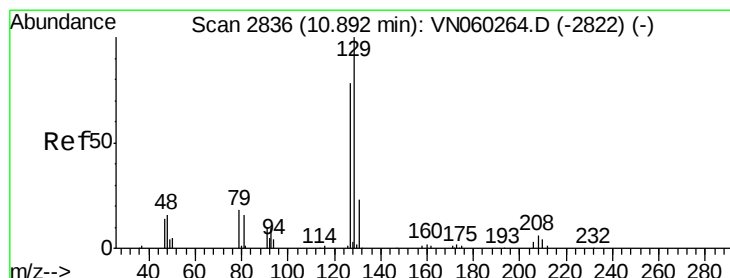
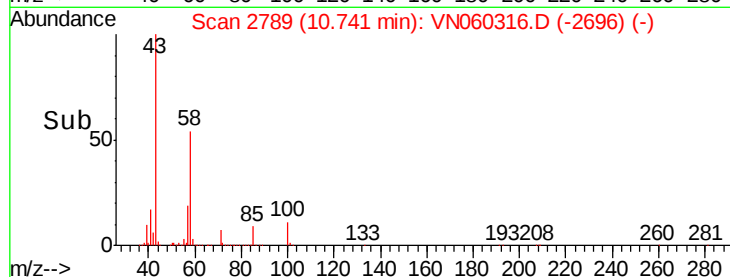
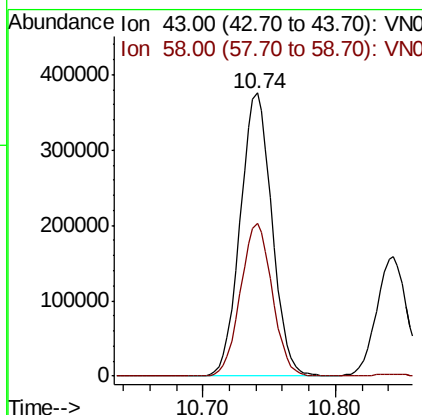
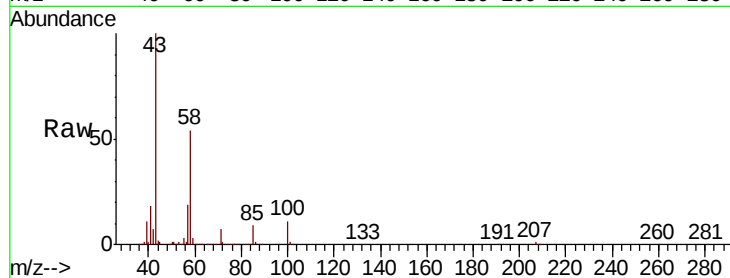




#59
2-Hexanone
Concen: 274.768 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

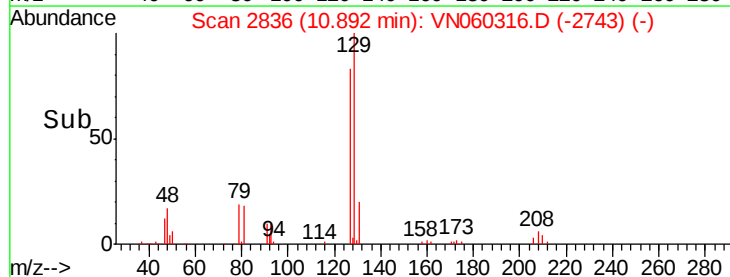
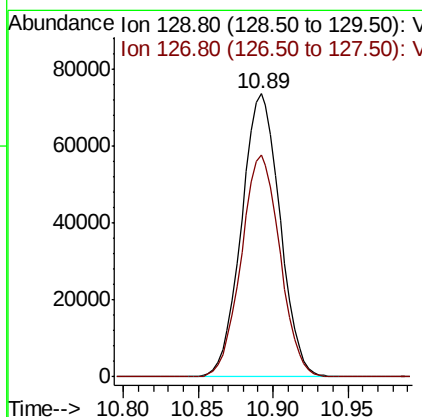
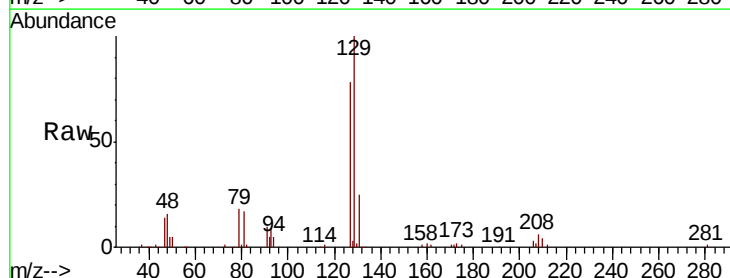
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 623535
Ion Ratio Lower Upper
43 100
58 54.0 26.5 79.5



#60
Dibromochloromethane
Concen: 53.735 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 129 Resp: 132126
Ion Ratio Lower Upper
129 100
127 78.7 38.9 116.7

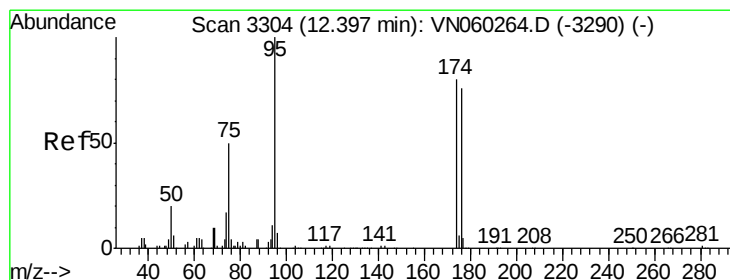
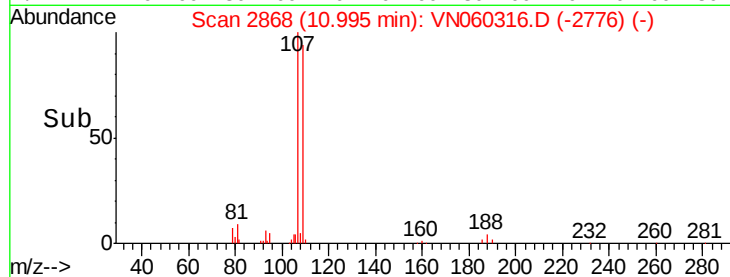
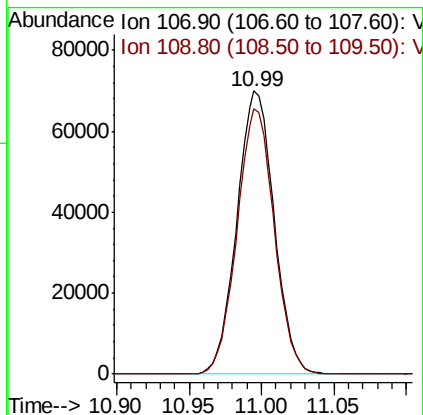
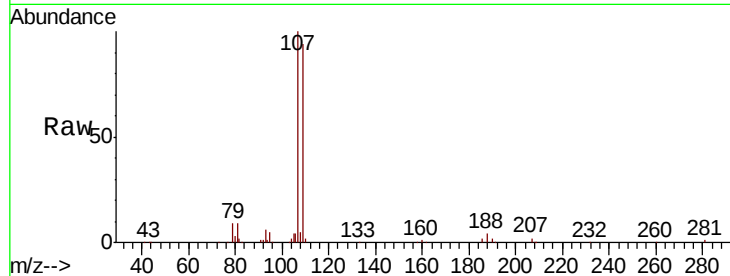




#61
 1,2-Dibromoethane
 Concen: 52.996 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

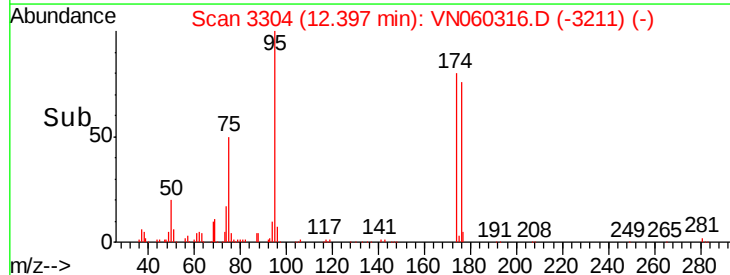
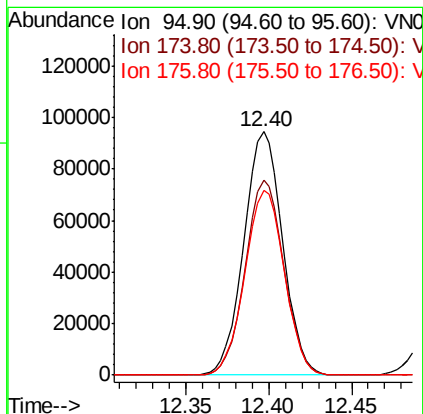
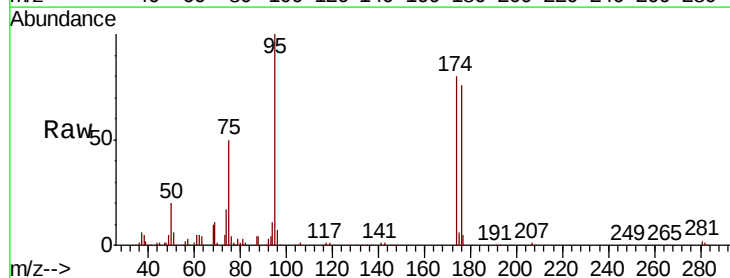
Instrument :
 MSVOA_N
 ClientSampleId :

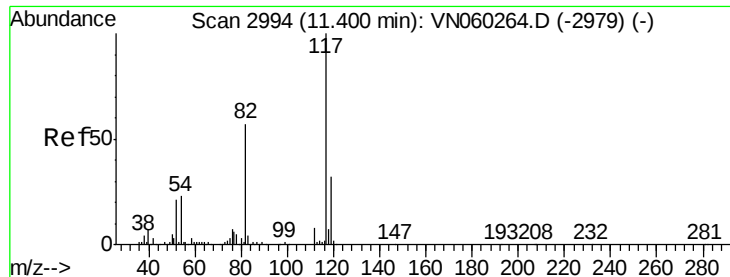
Tot Ion: 107 Resp: 124911
 Ion Ratio Lower Upper
 107 100
 109 93.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 49.861 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Tgt Ion: 95 Resp: 153212
 Ion Ratio Lower Upper
 95 100
 174 80.1 0.0 159.2
 176 77.5 0.0 153.8

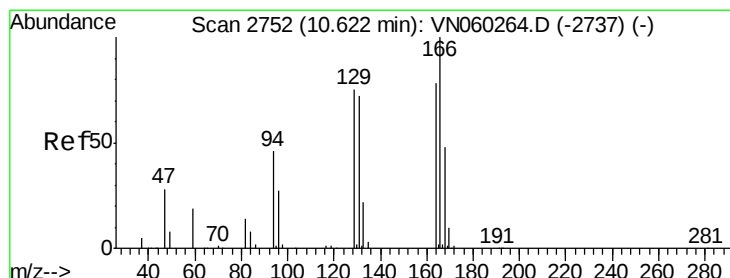
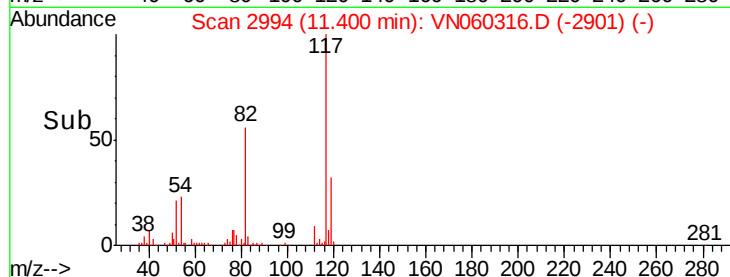
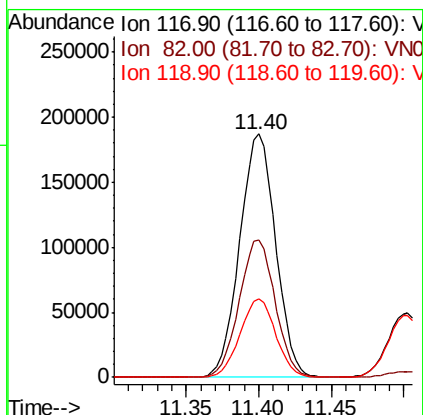
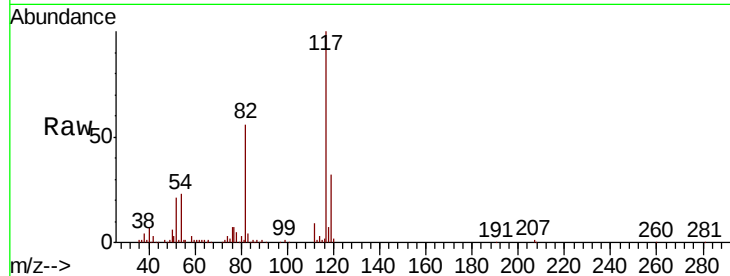




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

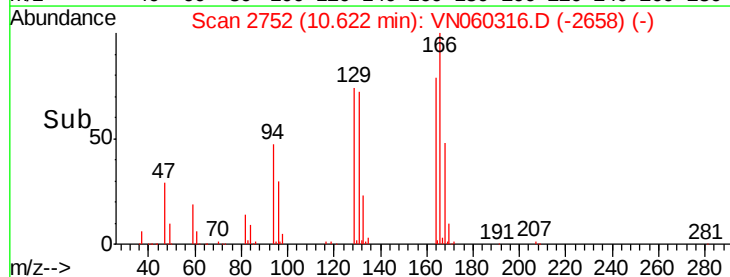
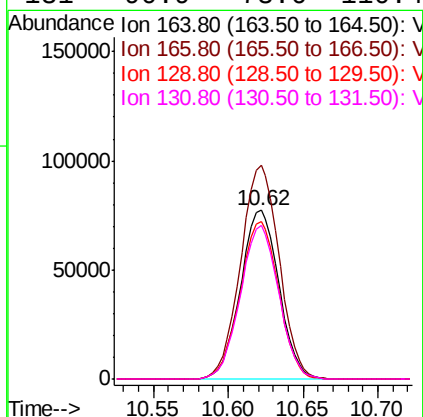
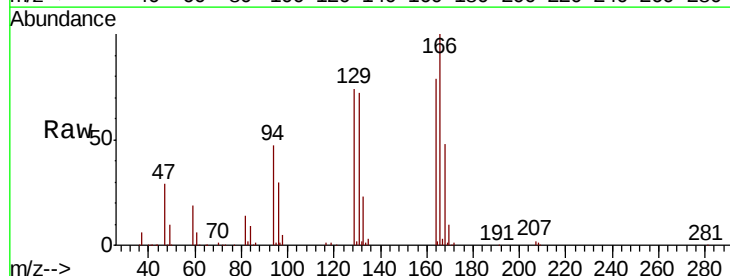
Instrument :
MSVOA_N
ClientSampled :

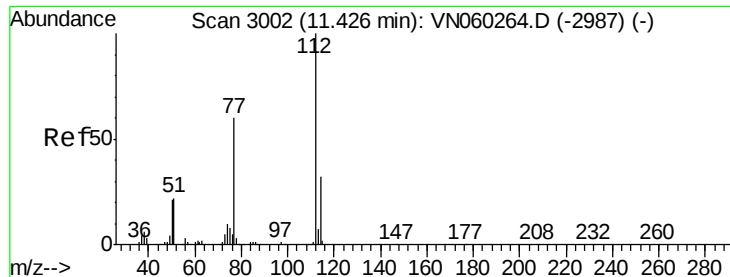
Tot Ion:117 Resp: 322511
Ion Ratio Lower Upper
117 100
82 56.3 45.8 68.6
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 54.548 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion:164 Resp: 138186
Ion Ratio Lower Upper
164 100
166 126.6 102.0 153.0
129 93.4 76.4 114.6
131 90.9 73.6 110.4

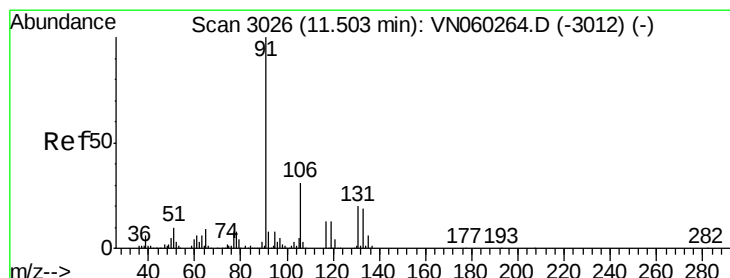
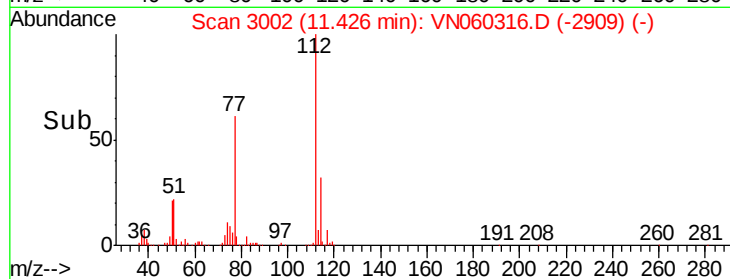
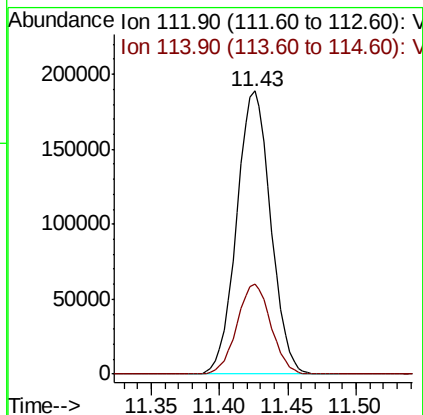
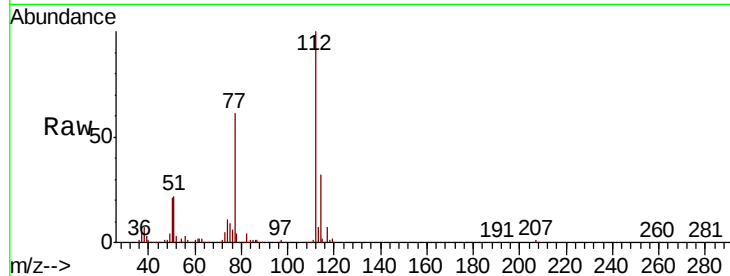




#65
Chlorobenzene
Concen: 50.161 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

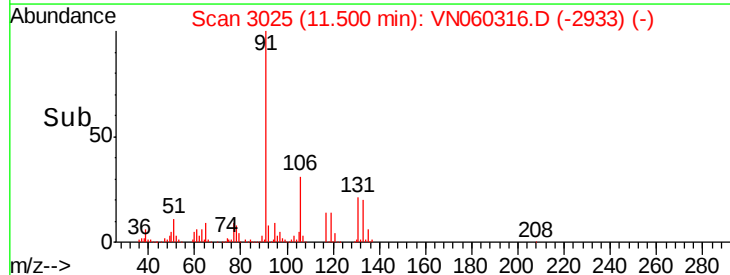
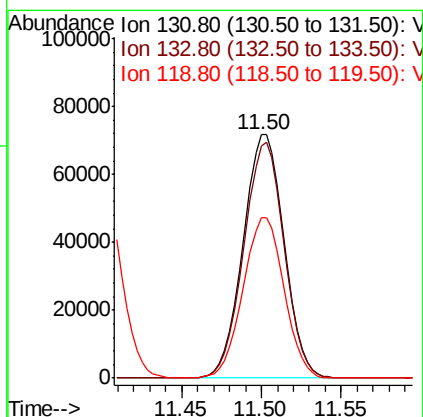
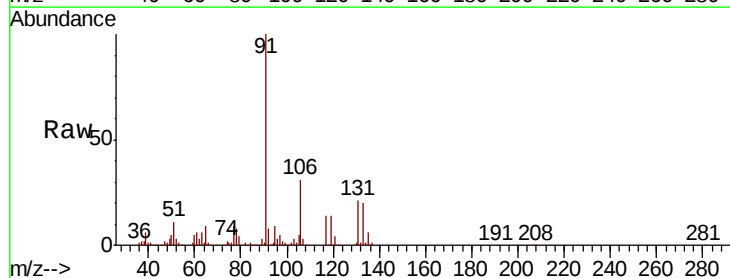
Instrument :
MSVOA_N
ClientSampleId :

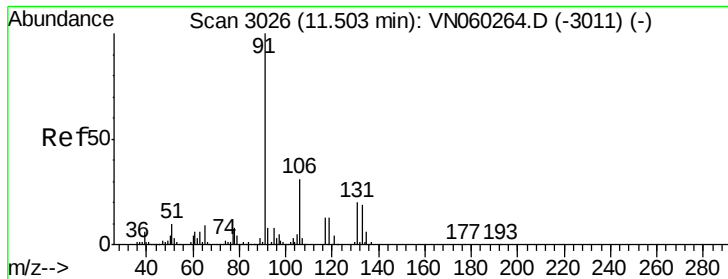
Tot Ion:112 Resp: 326663
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.150 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion:131 Resp: 125573
Ion Ratio Lower Upper
131 100
133 95.8 47.7 143.1
119 66.0 33.2 99.6





#67

Ethyl Benzene

Concen: 51.203 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

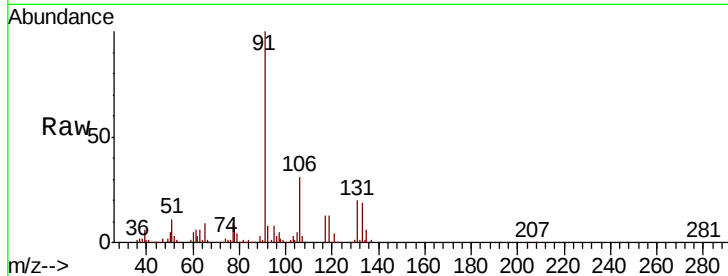
ClientSampled :

Tot Ion: 91 Resp: 607238

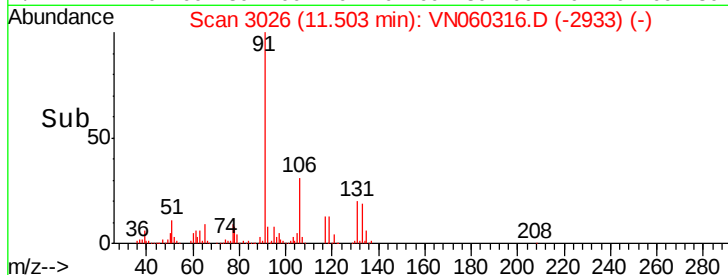
Ion Ratio Lower Upper

91 100

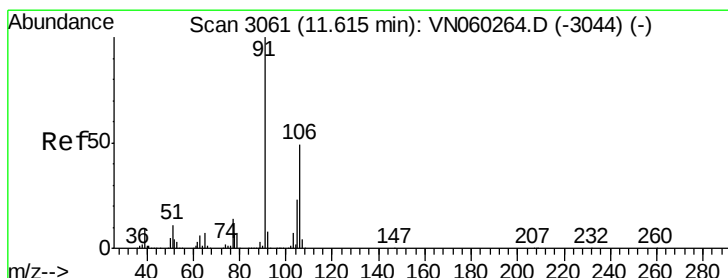
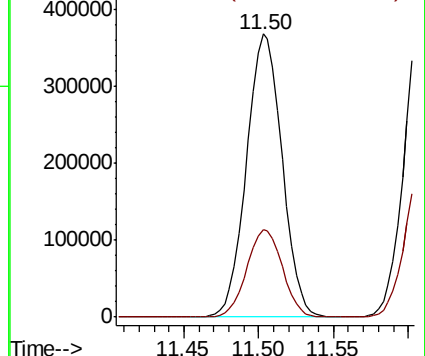
106 30.9 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060316.D (-2933) (-)



Ion 106.00 (105.70 to 106.70): VN060316.D (-2933) (-)



#68

m/p-Xylenes

Concen: 101.563 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060316.D

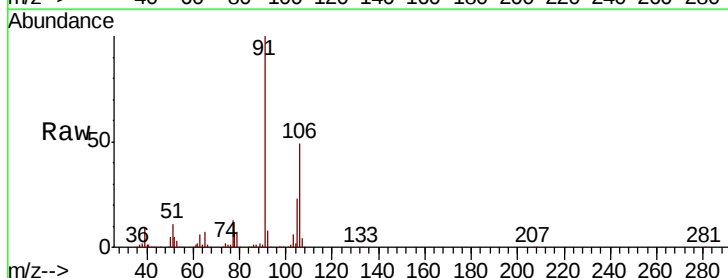
Acq: 3 Mar 2020 9:32

Tgt Ion: 106 Resp: 454443

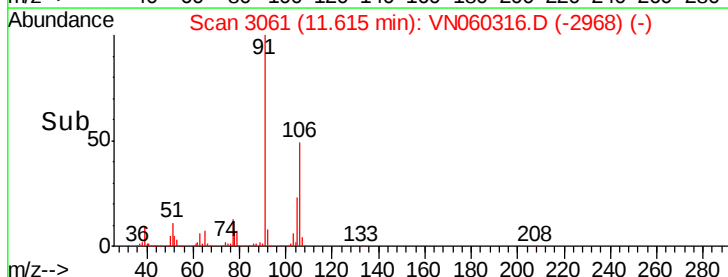
Ion Ratio Lower Upper

106 100

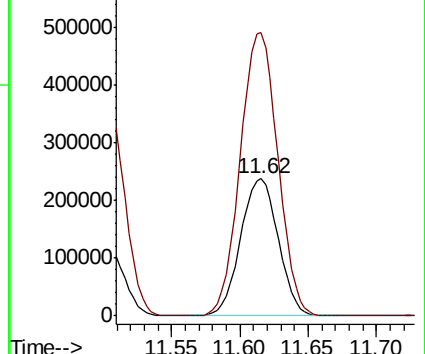
91 206.3 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060316.D (-2968) (-)



Ion 91.00 (90.70 to 91.70): VN060316.D (-2968) (-)

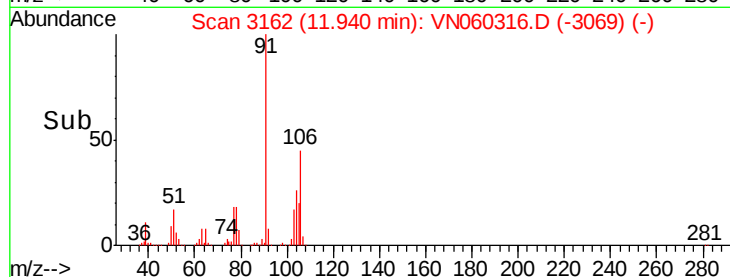
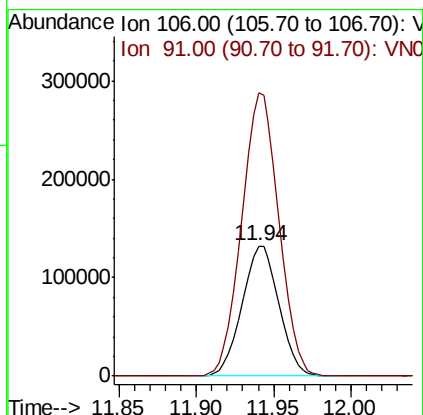
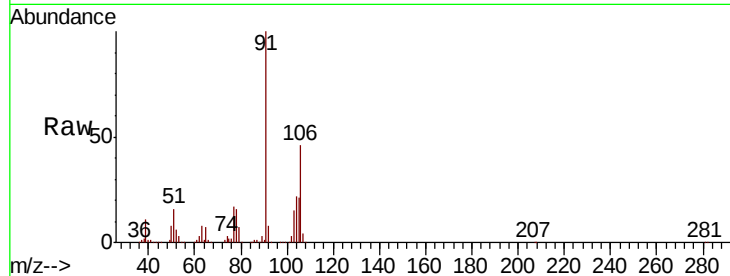




#69
o-Xylene
Concen: 51.455 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

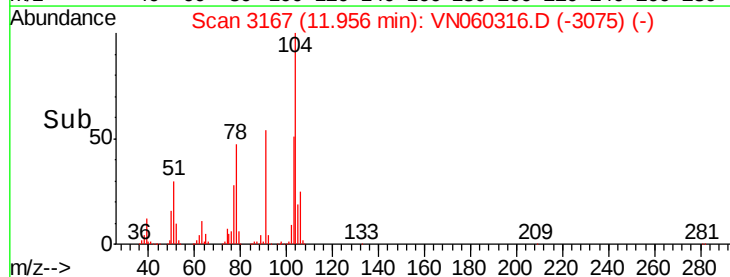
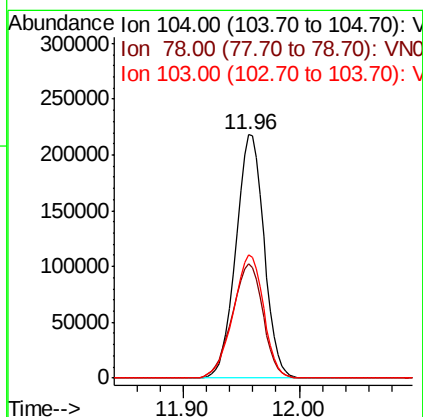
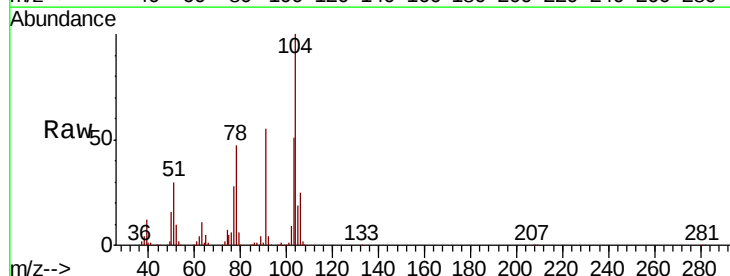
Instrument :
MSVOA_N
ClientSampleId :

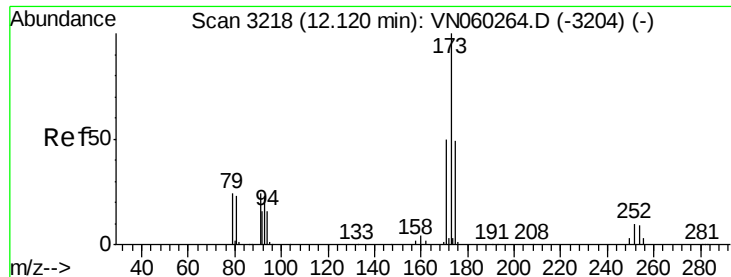
Tot Ion:106 Resp: 219550
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4



#70
Styrene
Concen: 52.388 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion:104 Resp: 367511
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.5 43.9 65.9





#71

Bromoform

Concen: 55.422 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

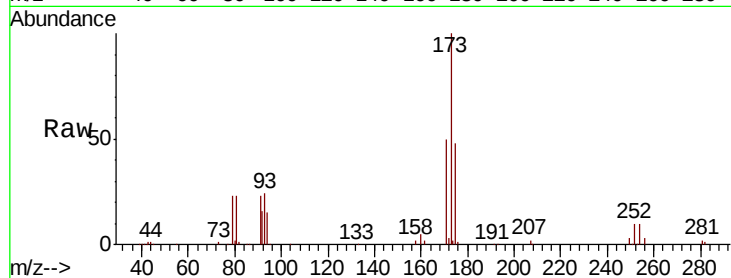
Tot Ion:173 Resp: 96178

Ion Ratio Lower Upper

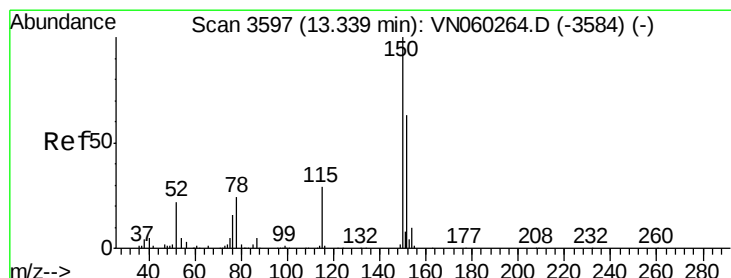
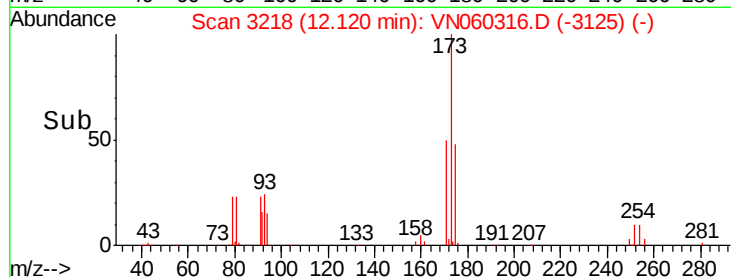
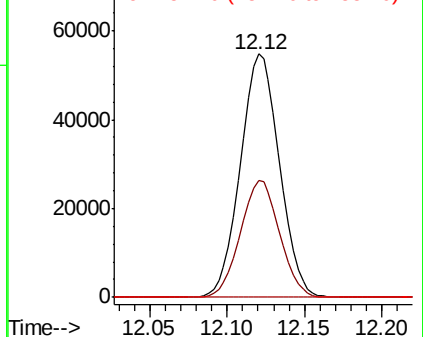
173 100

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: VN060316.D

Acq: 3 Mar 2020 9:32

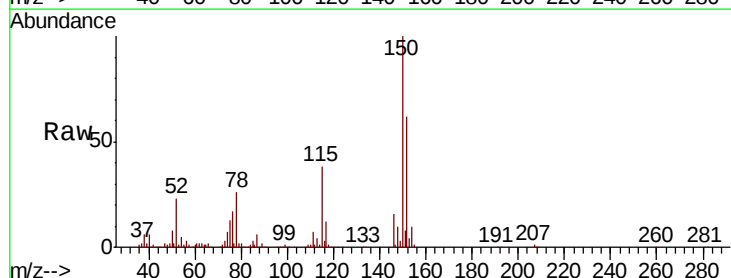
Tgt Ion:152 Resp: 159577

Ion Ratio Lower Upper

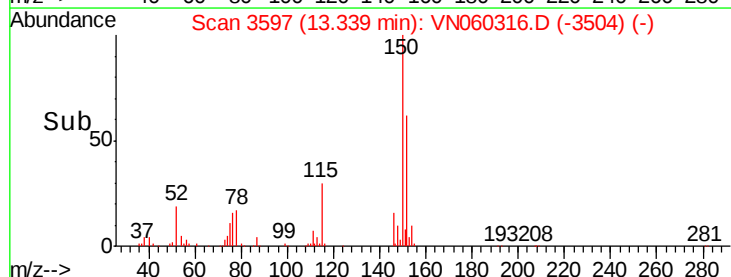
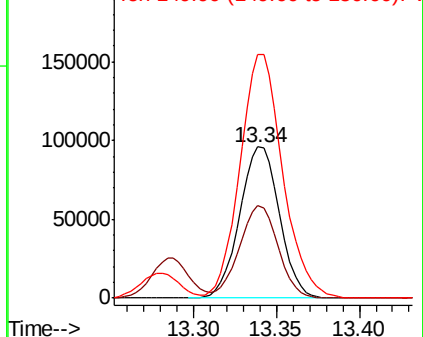
152 100

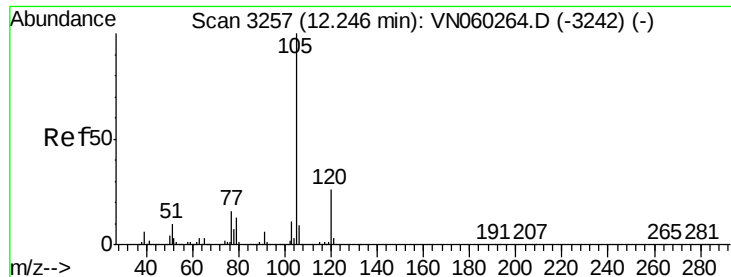
115 59.7 30.0 90.0

150 173.4 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: 50.598 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

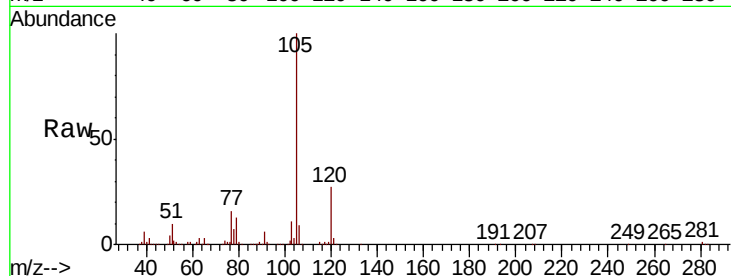
ClientSampled :

Tot Ion: 105 Resp: 598457

Ion Ratio Lower Upper

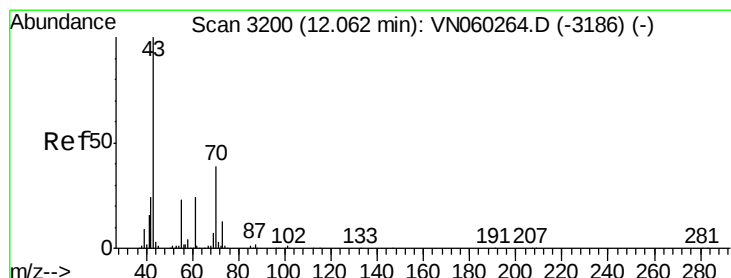
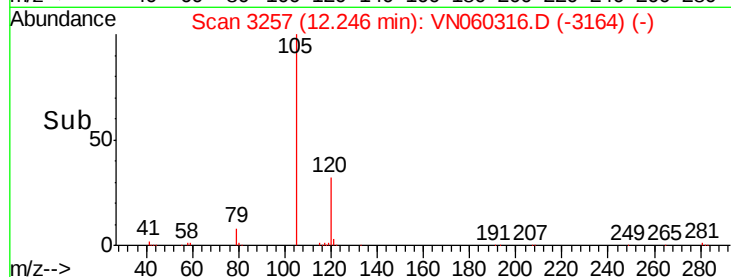
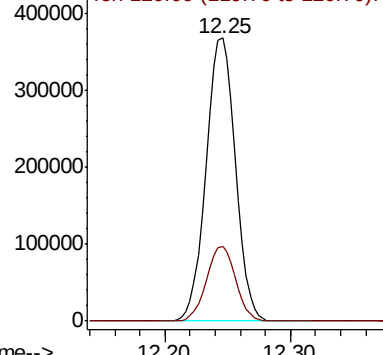
105 100

120 26.3 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: 51.540 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Tgt Ion: 43 Resp: 266381

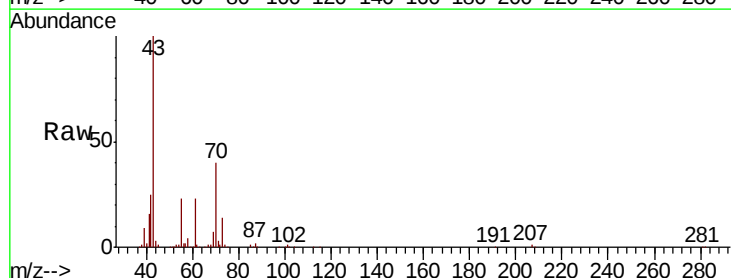
Ion Ratio Lower Upper

43 100

70 39.8 32.2 48.2

55 23.0 18.2 27.4

61 23.3 19.2 28.8

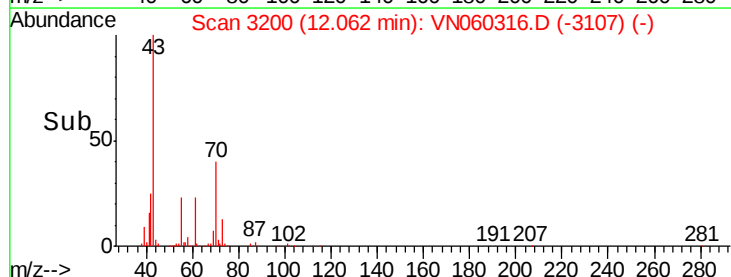
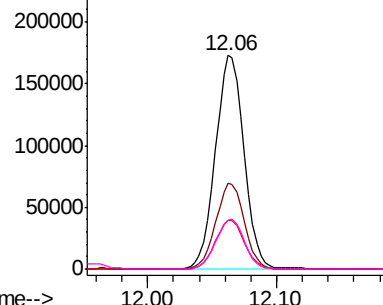


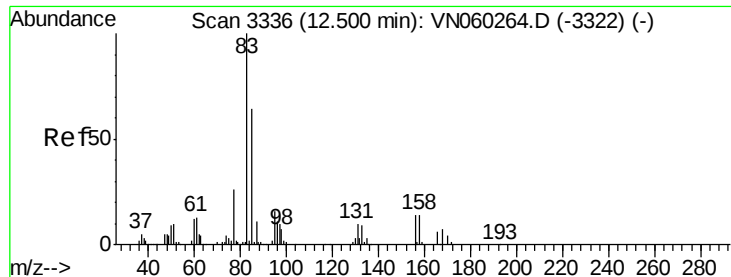
Abundance Ion 43.00 (42.70 to 43.70): V

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: 52.325 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

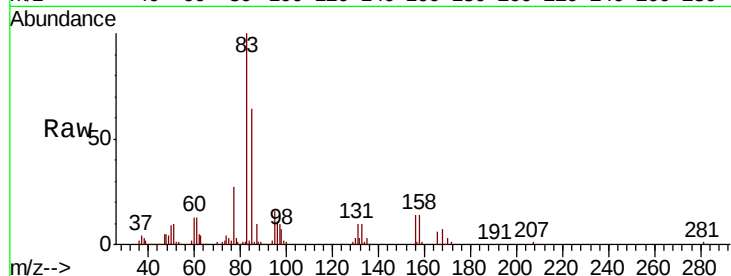
Tot Ion: 83 Resp: 168229

Ion Ratio Lower Upper

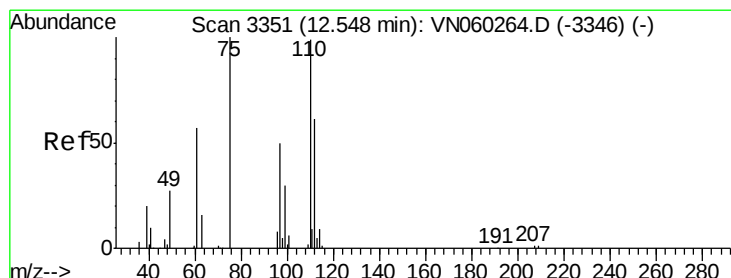
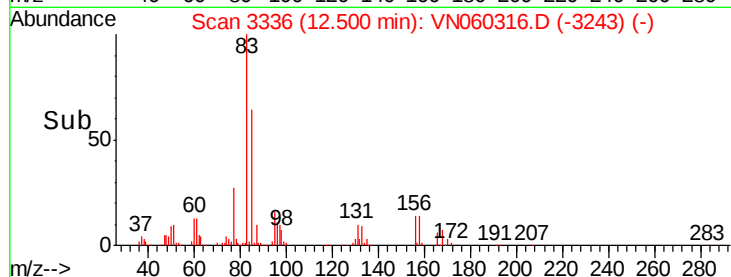
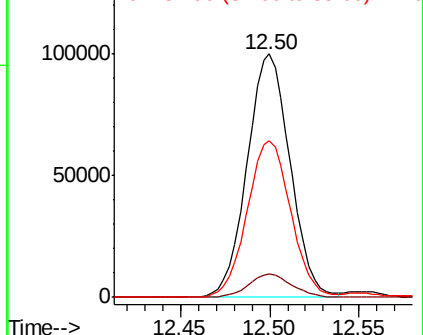
83 100

131 9.7 5.1 15.3

85 65.0 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 68.752 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060316.D

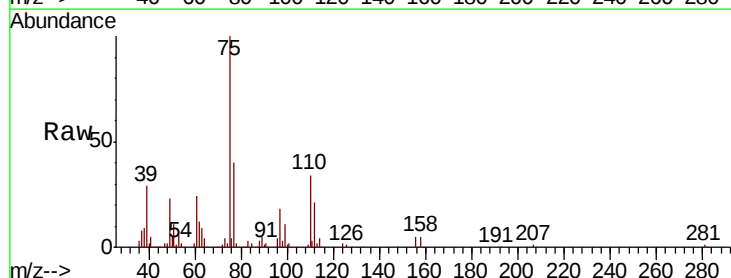
Acq: 3 Mar 2020 9:32

Tgt Ion: 75 Resp: 240708

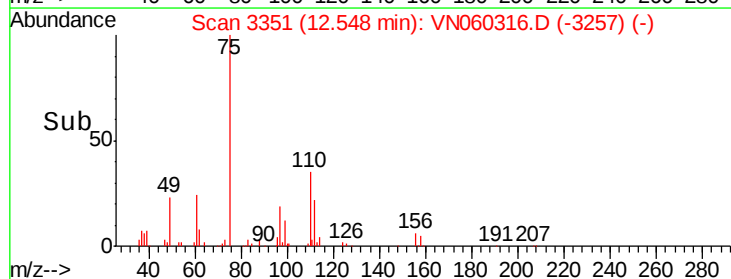
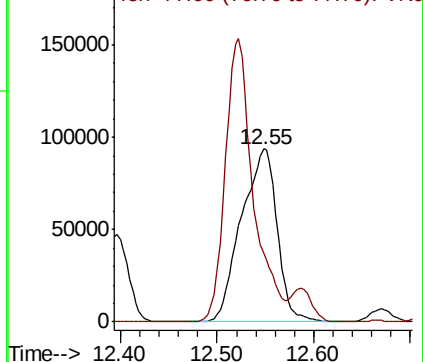
Ion Ratio Lower Upper

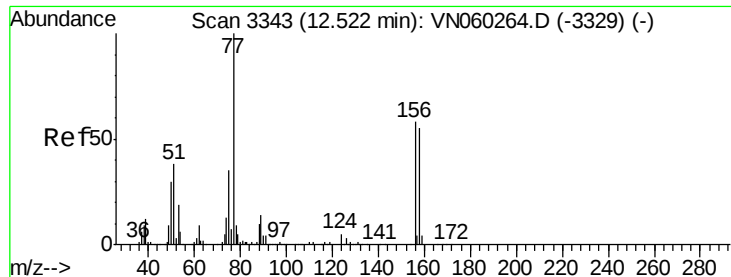
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 49.820 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

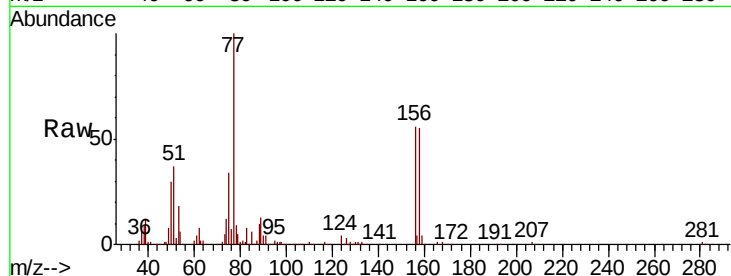
Tot Ion:156 Resp: 144441

Ion Ratio Lower Upper

156 100

77 214.1 106.1 318.3

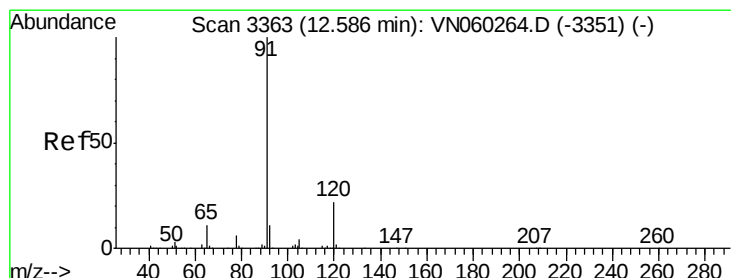
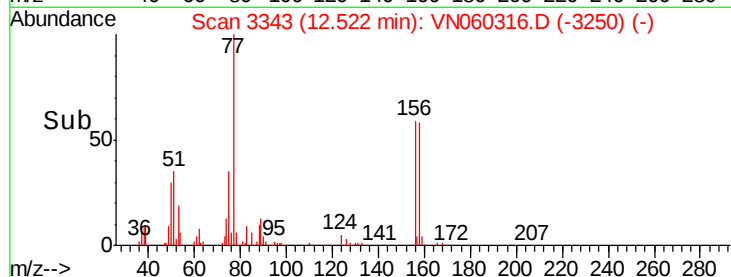
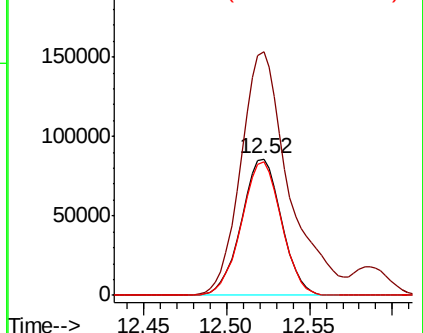
158 97.5 48.3 144.8



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: 51.058 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060316.D

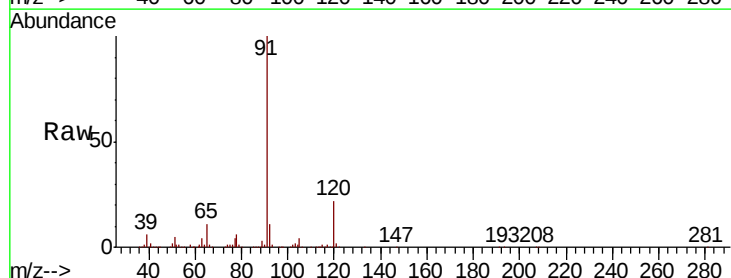
Acq: 3 Mar 2020 9:32

Tgt Ion: 91 Resp: 707884

Ion Ratio Lower Upper

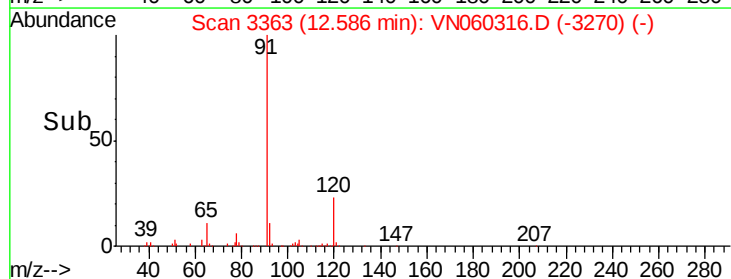
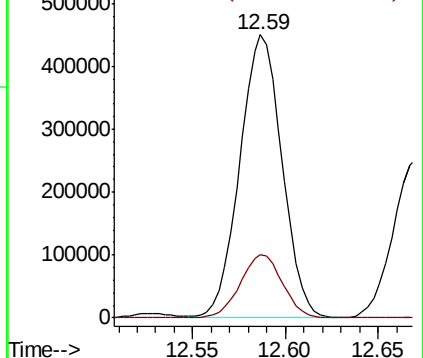
91 100

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

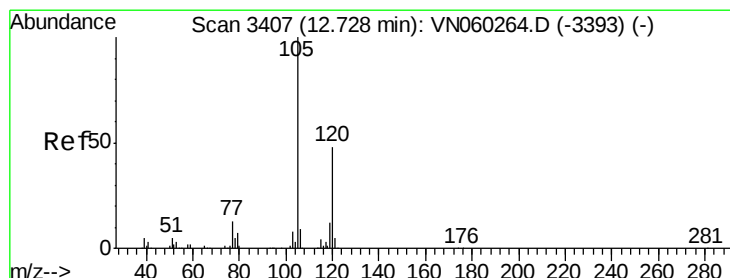
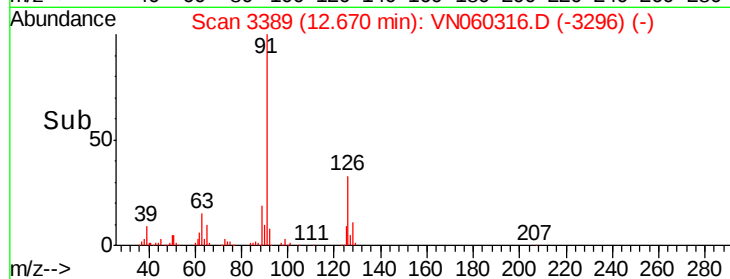
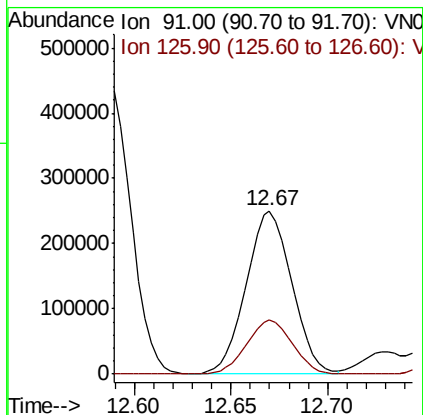
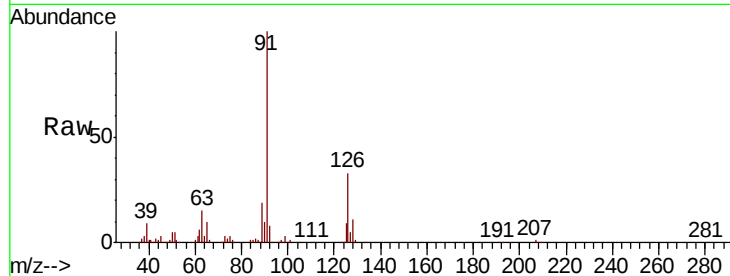




#79
 2-Chlorotoluene
 Concen: 50.390 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

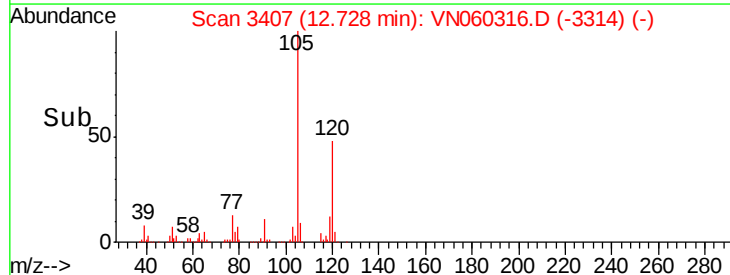
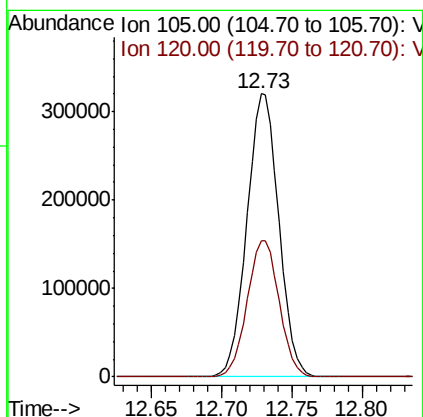
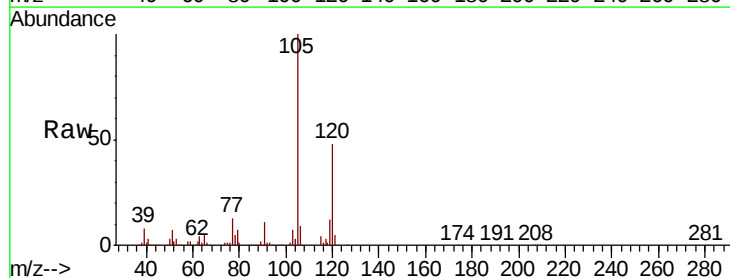
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 410659
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.884 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Tgt Ion: 105 Resp: 506716
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.4

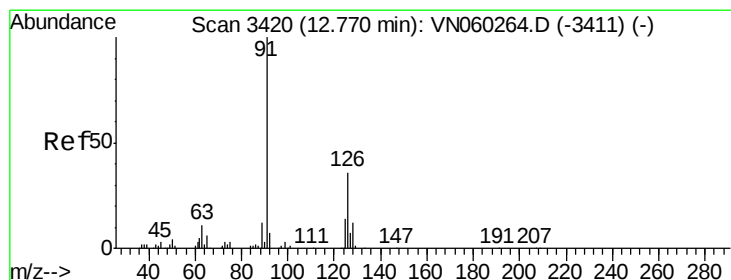
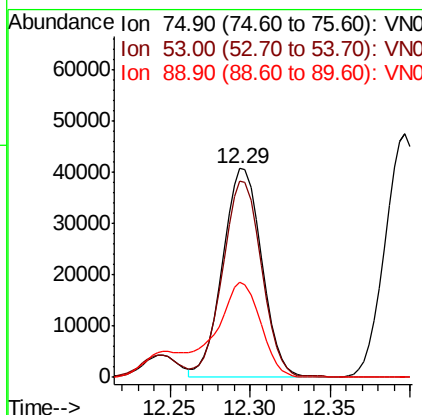
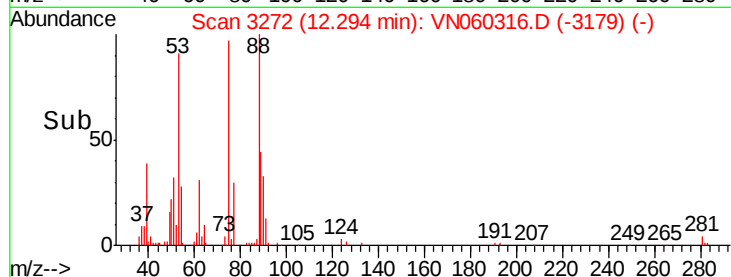
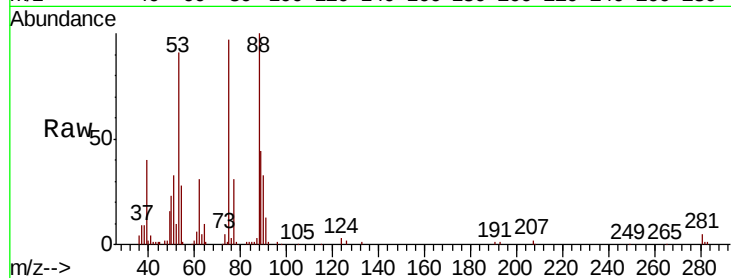




#81
trans-1,4-Dichloro-2-butene
Concen: 53.677 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

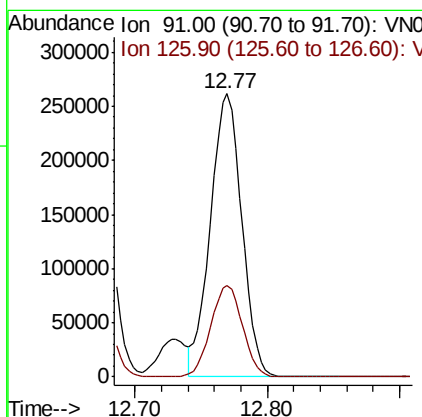
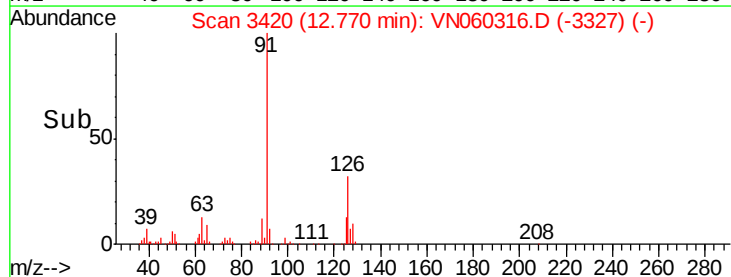
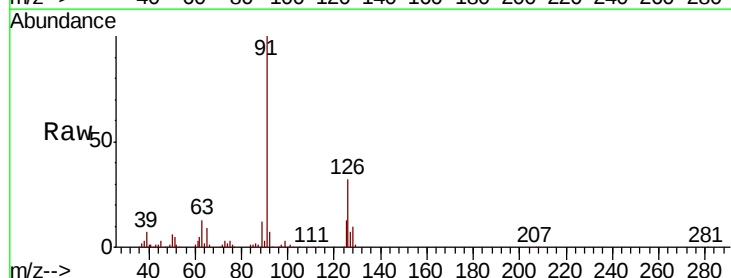
Instrument :
MSVOA_N
ClientSampleId :

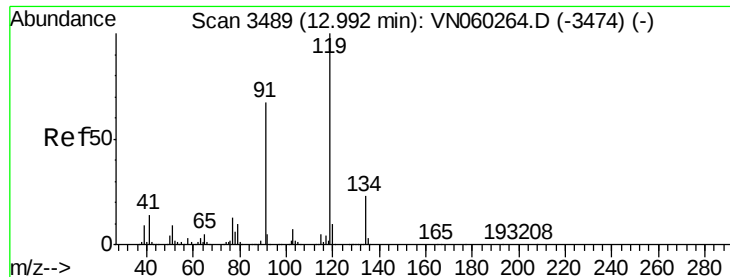
Tot Ion: 75 Resp: 68079
Ion Ratio Lower Upper
75 100
53 93.5 73.8 110.6
89 49.7 57.1 85.7#



#82
4-Chlorotoluene
Concen: 50.081 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 91 Resp: 430013
Ion Ratio Lower Upper
91 100
126 32.7 16.7 50.1

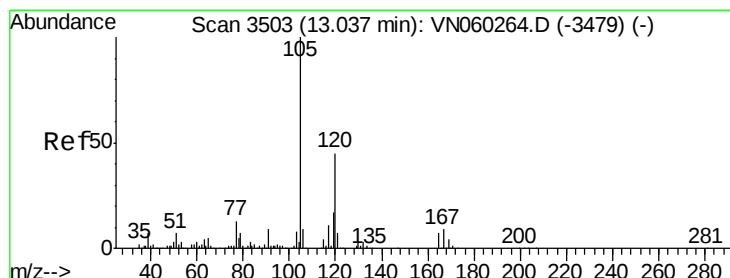
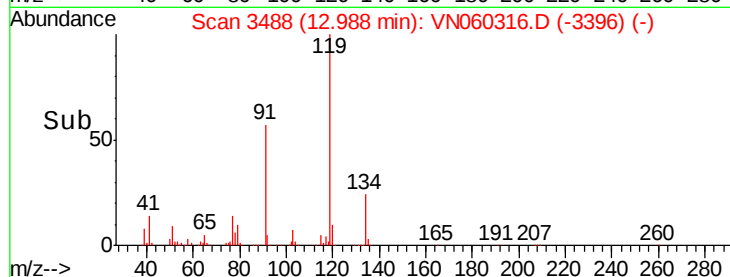
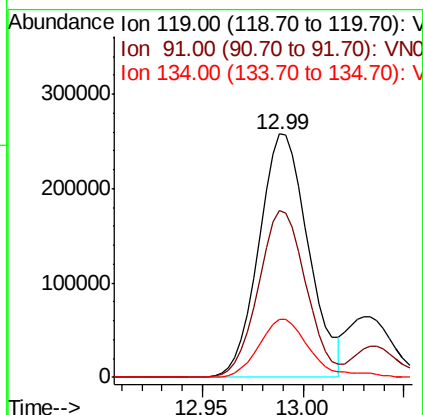
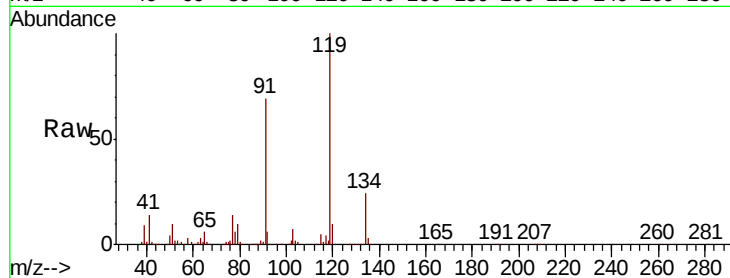




#83
 tert-Butylbenzene
 Concen: 51.026 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

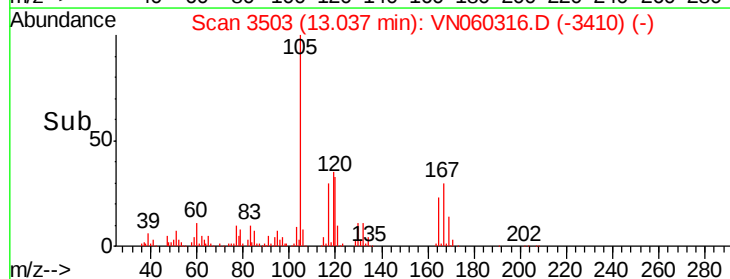
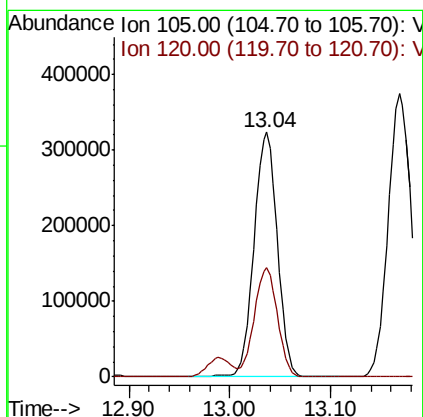
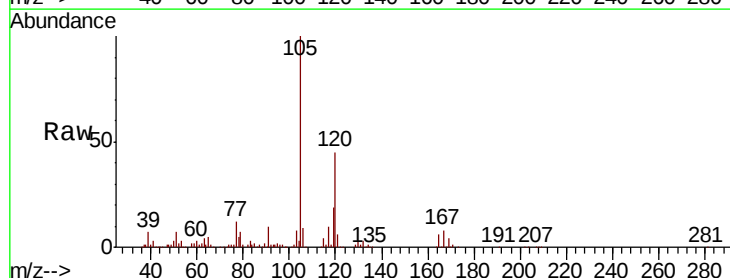
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 439947
 Ion Ratio Lower Upper
 119 100
 91 66.0 33.1 99.2
 134 24.8 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.220 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Tgt Ion:105 Resp: 514834
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 51.444 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

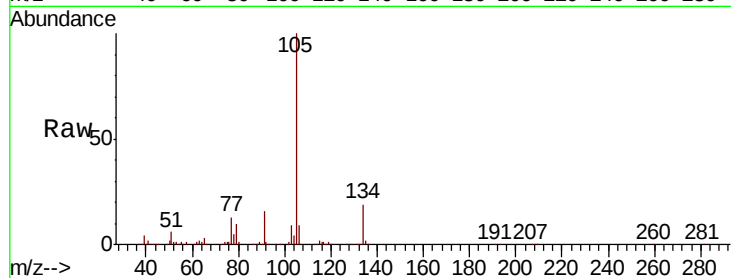
ClientSampled :

Tot Ion:105 Resp: 593964

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

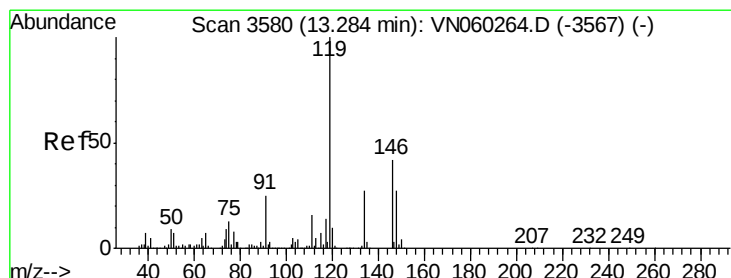
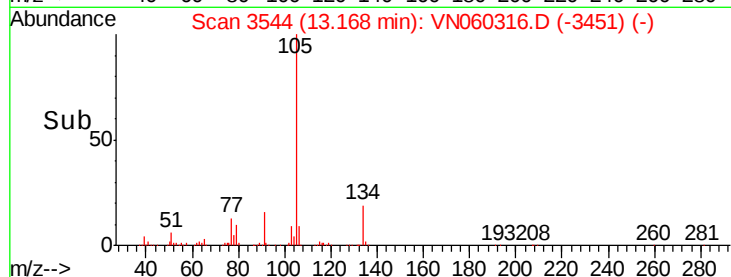
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.380 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

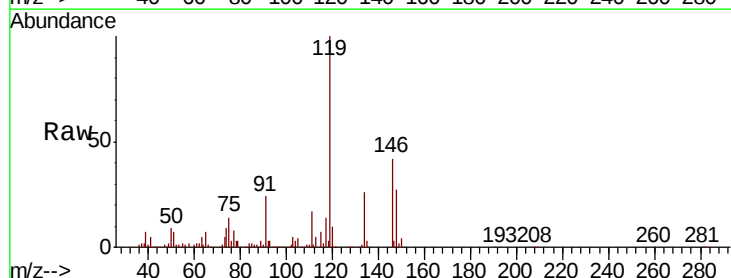
Tgt Ion:119 Resp: 538377

Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.6

91 24.2 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

400000

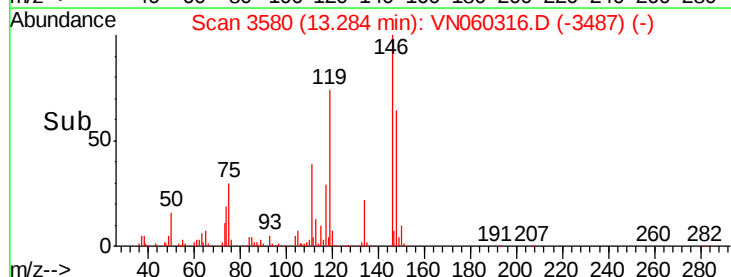
300000

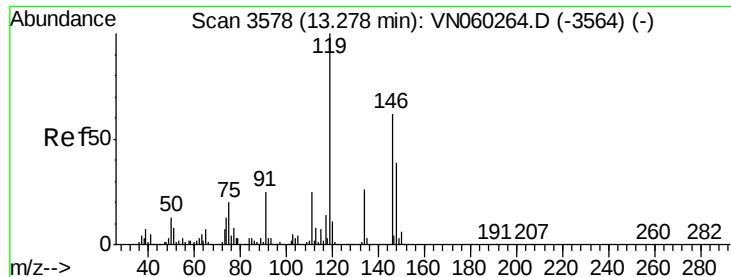
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.895 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060316.D

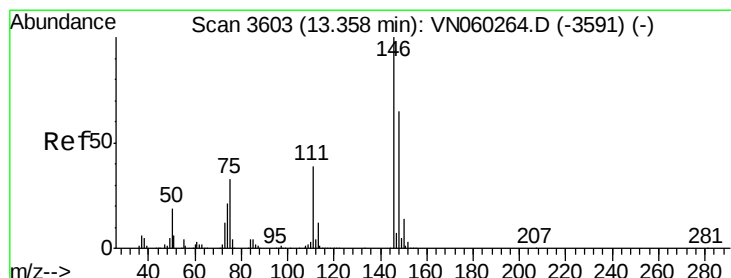
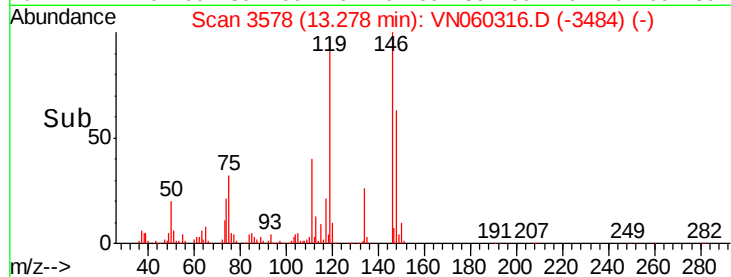
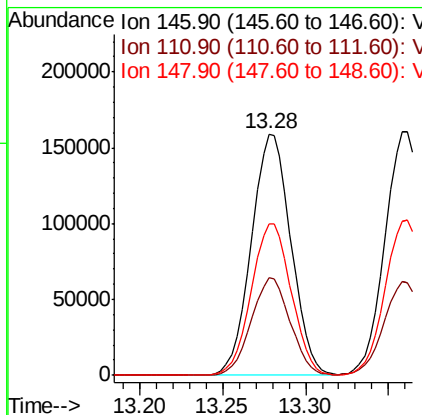
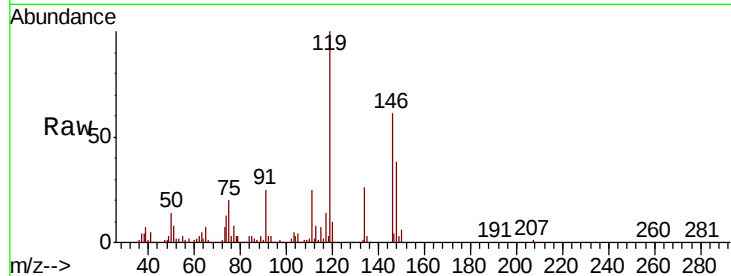
Acq: 3 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	263462
Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.5	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 53.221 ug/l

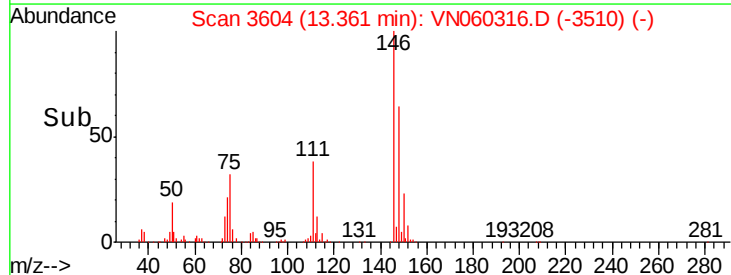
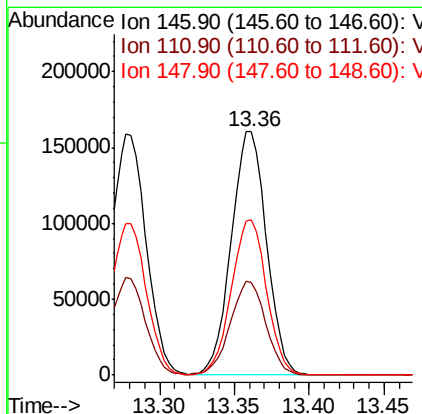
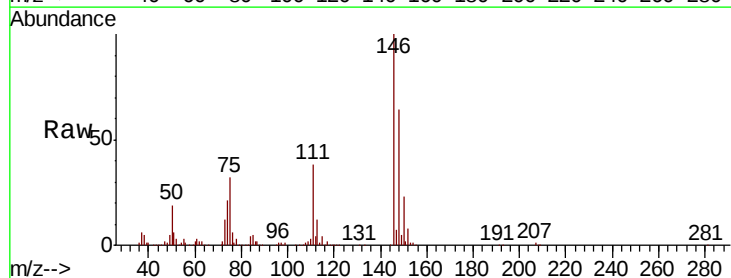
RT: 13.36 min Scan# 3604

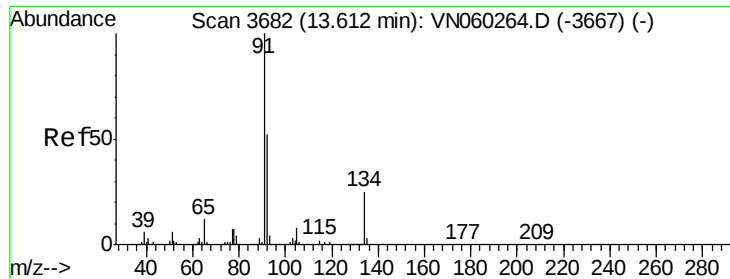
Delta R.T. 0.00 min

Lab File: VN060316.D

Acq: 3 Mar 2020 9:32

Tgt Ion:	146	Resp:	263529
Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.4
148	63.6	32.3	96.9

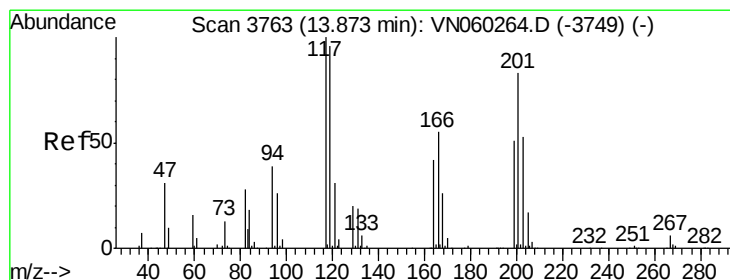
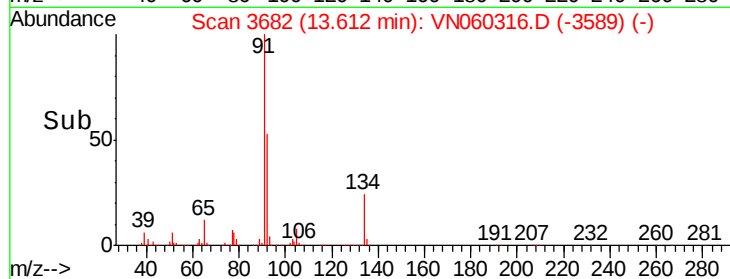
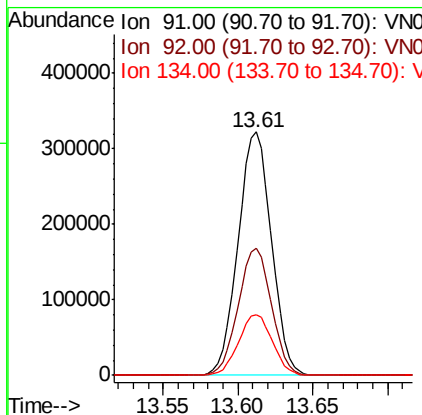
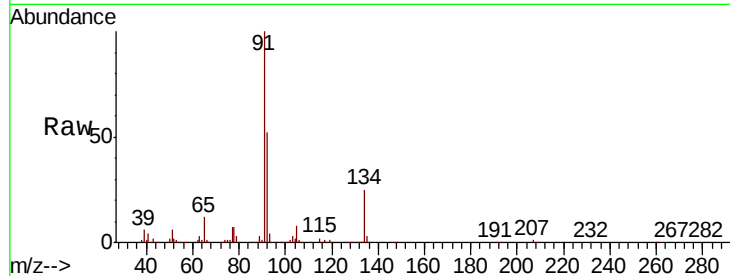




#89
n-Butylbenzene
Concen: 50.990 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

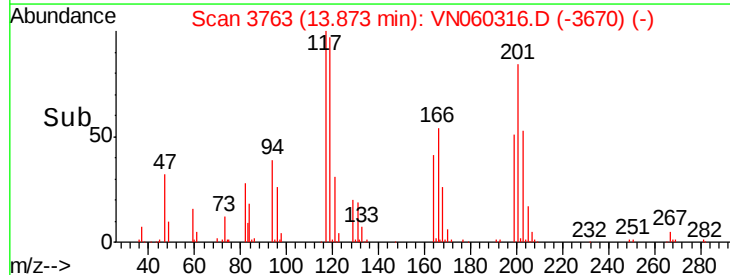
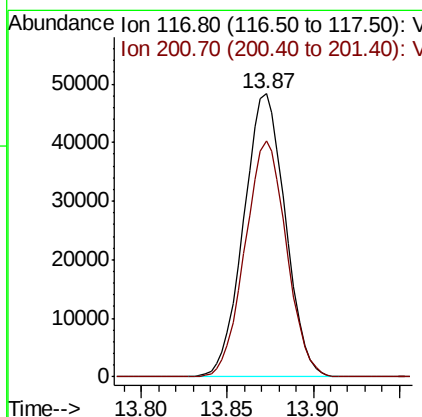
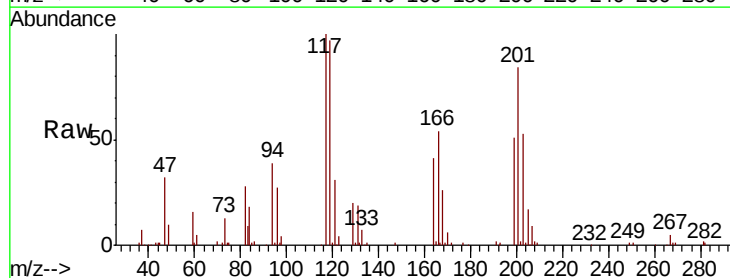
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 500201
Ion Ratio Lower Upper
91 100
92 52.1 26.0 78.0
134 25.1 12.7 38.1



#90
Hexachloroethane
Concen: 52.564 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion: 117 Resp: 81306
Ion Ratio Lower Upper
117 100
201 82.6 41.0 123.0

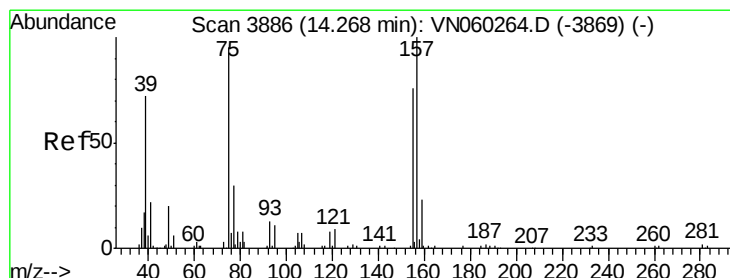
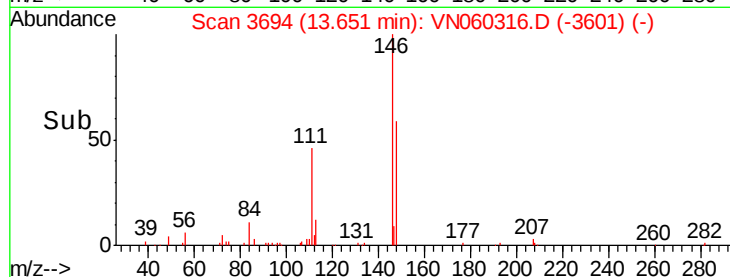
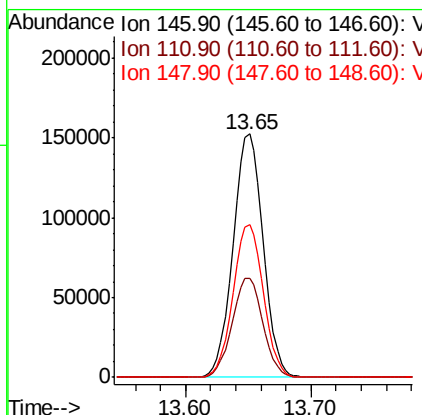
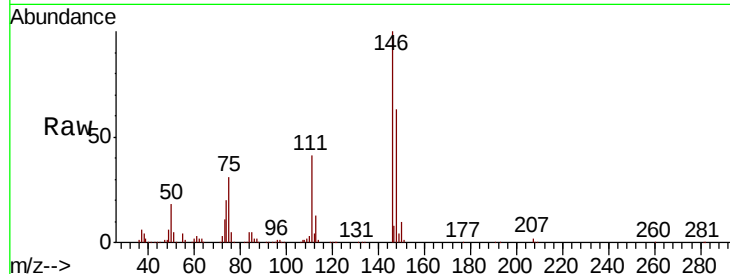




#91
 1,2-Dichlorobenzene
 Concen: 49.928 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

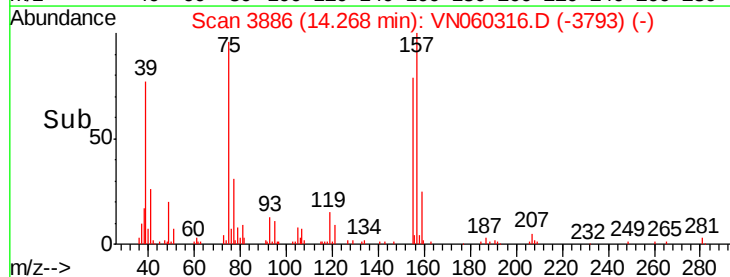
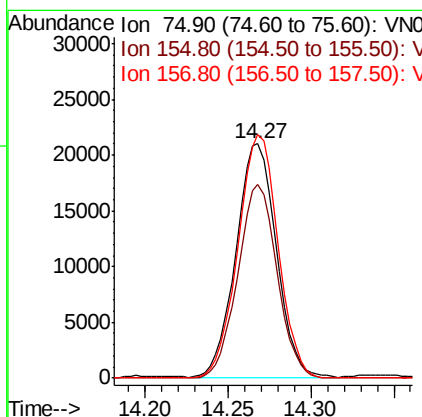
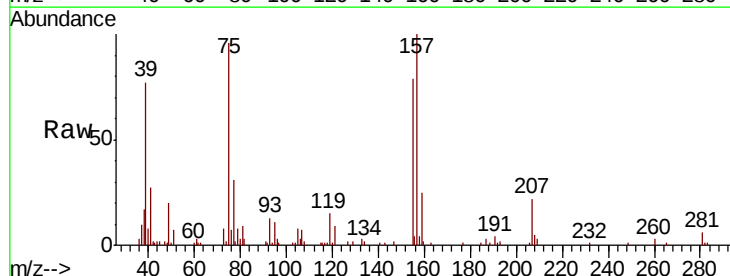
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	63.1	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.277 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	40.4	121.2
157	102.2	52.5	157.5

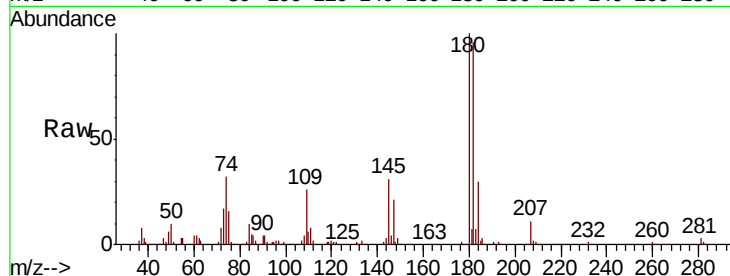




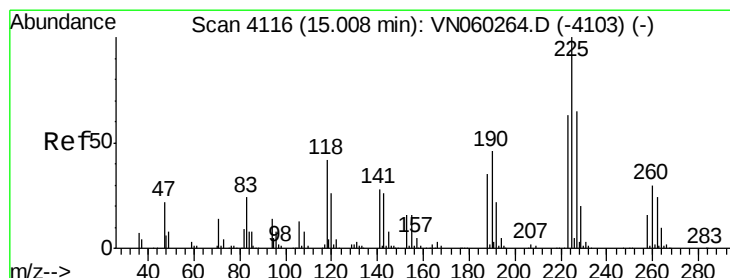
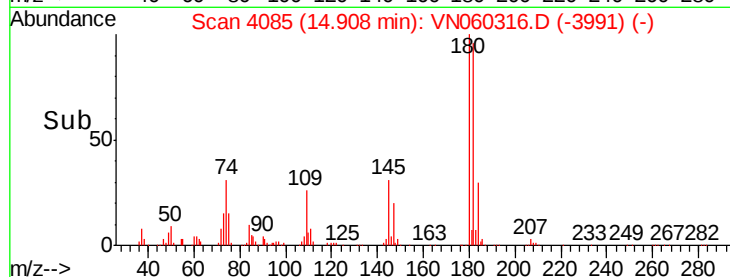
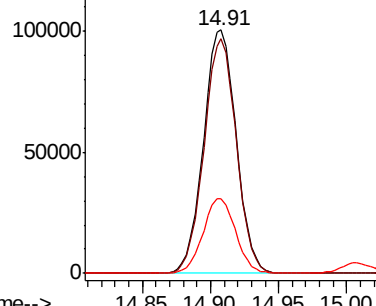
#93
 1,2,4-Trichlorobenzene
 Concen: 51.846 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 167373
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.8 143.3
 145 30.6 15.4 46.1

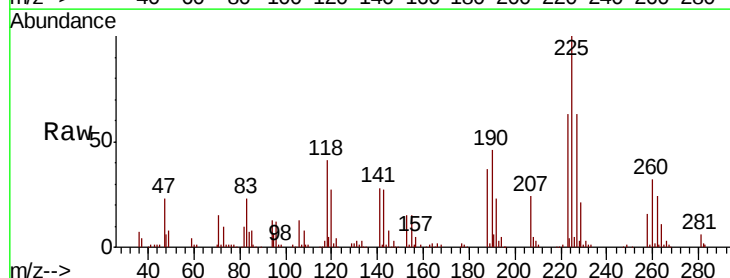


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

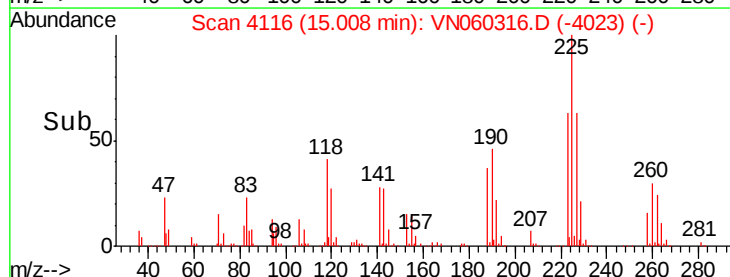
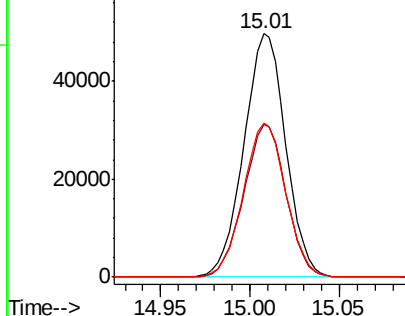


#94
 Hexachlorobutadiene
 Concen: 54.835 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060316.D
 Acq: 3 Mar 2020 9:32

Tgt Ion:225 Resp: 81287
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.3 93.9
 227 63.9 32.3 96.9



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

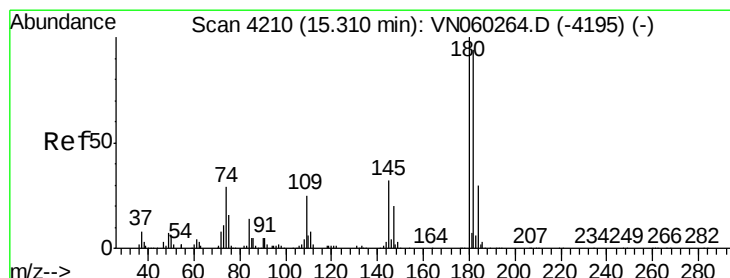
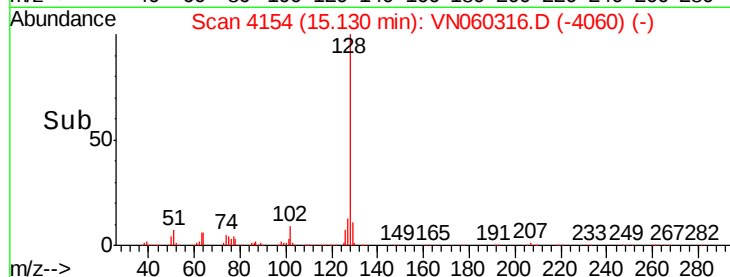
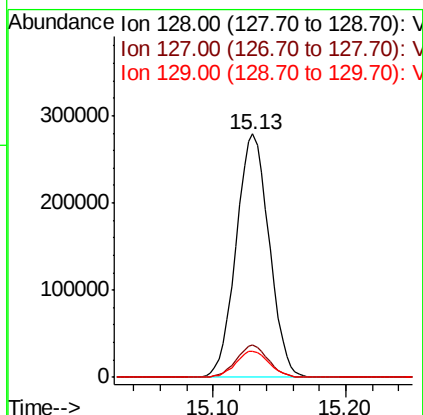
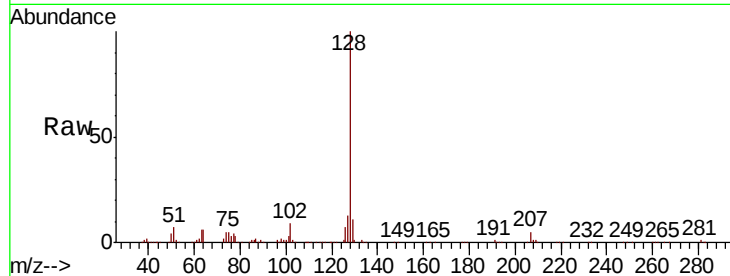




#95
Naphthalene
Concen: 50.639 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 481447
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.096 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060316.D
Acq: 3 Mar 2020 9:32

Tgt Ion:180 Resp: 158353
Ion Ratio Lower Upper
180 100
182 94.9 47.3 142.0
145 32.4 16.2 48.5

