

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060816.D
 Acq On : 2 Apr 2020 12:22
 Operator : JC/MD
 Sample : VN0402WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 07:40:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	181313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	296148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	270901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	125875	50.57	ug/l	0.00
Spiked Amount						
						Recovery = 101.14%
35) Dibromofluoromethane	7.56	113	93746	52.35	ug/l	0.00
Spiked Amount						
						Recovery = 104.70%
50) Toluene-d8	10.08	98	366741	50.14	ug/l	0.00
Spiked Amount						
						Recovery = 100.28%
62) 4-Bromofluorobenzene	12.40	95	132908	49.58	ug/l	0.00
Spiked Amount						
						Recovery = 99.16%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	31818	18.136	ug/l	99
3) Chloromethane	2.04	50	54766	16.714	ug/l	99
4) Vinyl Chloride	2.17	62	44331	17.298	ug/l	100
5) Bromomethane	2.55	94	22798	20.607	ug/l	96
6) Chloroethane	2.69	64	27756	18.801	ug/l	97
7) Trichlorofluoromethane	3.00	101	60102	19.038	ug/l	100
8) Diethyl Ether	3.38	74	26598	20.973	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36795	20.114	ug/l	100
10) Methyl Iodide	3.93	142	31993	19.655	ug/l	99
11) Tert butyl alcohol	4.72	59	38797	105.987	ug/l	100
12) 1,1-Dichloroethene	3.72	96	36365	18.525	ug/l	98
13) Acrolein	3.57	56	32967	81.260	ug/l	99
14) Allyl chloride	4.29	41	66868	19.367	ug/l	96
15) Acrylonitrile	4.94	53	111320	103.417	ug/l	99
16) Acetone	3.78	43	93698	106.275	ug/l	100
17) Carbon Disulfide	4.03	76	103951	17.412	ug/l	99
18) Methyl Acetate	4.28	43	53238	21.453	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	135902	20.136	ug/l	98
20) Methylene Chloride	4.52	84	42921	19.790	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	39455	18.858	ug/l	95
22) Diisopropyl ether	5.91	45	153950	21.106	ug/l	100
23) Vinyl Acetate	5.86	43	628160	105.546	ug/l	100
24) 1,1-Dichloroethane	5.81	63	80470	20.237	ug/l	98
25) 2-Butanone	6.79	43	147064	103.081	ug/l	99
26) 2,2-Dichloropropane	6.79	77	66458	21.242	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47506	19.981	ug/l	99
28) Bromochloromethane	7.17	49	37570	19.748	ug/l	99
29) Tetrahydrofuran	7.18	42	101433	100.485	ug/l	98
30) Chloroform	7.34	83	76609	20.096	ug/l	96
31) Cyclohexane	7.63	56	74126	18.491	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	64736	19.699	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57568	20.075	ug/l	99
37) Ethyl Acetate	6.89	43	64512	20.820	ug/l	99
38) Carbon Tetrachloride	7.75	117	50438	19.625	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	68824	20.196	ug/l	98
40) Benzene	8.02	78	176008	20.332	ug/l	98
41) Methacrylonitrile	7.18	41	91217	68.980	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61632	20.833	ug/l	100
43) Isopropyl Acetate	8.14	43	106359	20.814	ug/l	99
44) Trichloroethene	8.81	130	44093	20.205	ug/l	97
45) 1,2-Dichloropropane	9.10	63	48739	21.337	ug/l	100
46) Dibromomethane	9.19	93	28964	20.974	ug/l	99
47) Bromodichloromethane	9.38	83	59691	20.801	ug/l	100
48) Methyl methacrylate	9.18	41	45137	19.839	ug/l	99
49) 1,4-Dioxane	9.18	88	13351	493.697	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	307980	105.913	ug/l	99
52) Toluene	10.14	92	105445	20.169	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	70104	21.268	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	74777	20.678	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	42701	21.231	ug/l	97
56) Ethyl methacrylate	10.42	69	64315	20.508	ug/l	99
57) 1,3-Dichloropropane	10.70	76	74168	21.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	138919	89.127	ug/l	99
59) 2-Hexanone	10.74	43	217187	103.685	ug/l	99
60) Dibromochloromethane	10.89	129	43300	20.842	ug/l	100
61) 1,2-Dibromoethane	10.99	107	42147	20.839	ug/l	100
64) Tetrachloroethene	10.62	164	41745	19.582	ug/l	98
65) Chlorobenzene	11.42	112	108237	20.155	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40501	20.829	ug/l	97
67) Ethyl Benzene	11.50	91	202716	20.298	ug/l	100
68) m/p-Xylenes	11.61	106	148737	40.078	ug/l	99
69) o-Xylene	11.94	106	71255	20.113	ug/l	99
70) Styrene	11.96	104	112623	19.437	ug/l	99
71) Bromoform	12.12	173	30194	19.736	ug/l #	98
73) Isopropylbenzene	12.24	105	191710	20.160	ug/l	100
74) N-amyl acetate	12.06	43	87504	19.913	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59623	20.733	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	80278	29.360	ug/l #	100
77) Bromobenzene	12.52	156	45613	19.906	ug/l	100
78) n-propylbenzene	12.59	91	224187	19.955	ug/l	99
79) 2-Chlorotoluene	12.67	91	133736	19.923	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	161833	20.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21139	19.856	ug/l	98
82) 4-Chlorotoluene	12.77	91	136846	20.016	ug/l	99
83) tert-Butylbenzene	12.99	119	136072	20.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	161659	20.249	ug/l	99
85) sec-Butylbenzene	13.17	105	184124	20.468	ug/l	100
86) p-Isopropyltoluene	13.28	119	163700	20.237	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	80534	19.927	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	80928	19.931	ug/l	98
89) n-Butylbenzene	13.61	91	149699	20.497	ug/l	100
90) Hexachloroethane	13.87	117	25449	21.643	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79971	20.694	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11659	19.191	ug/l	92

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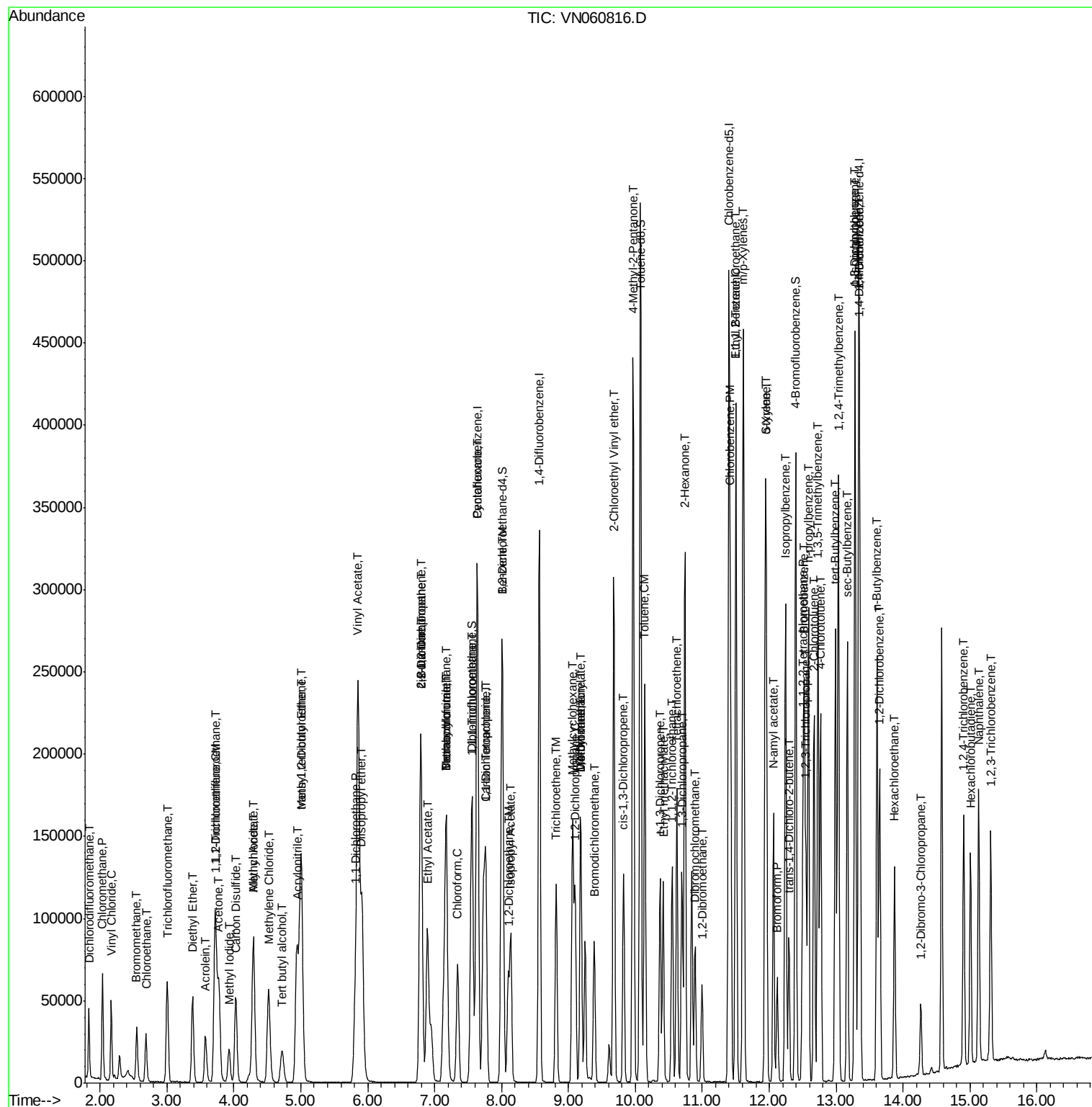
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48493	20.434	ug/l	98
94) Hexachlorobutadiene	15.01	225	25427	21.857	ug/l	99
95) Naphthalene	15.13	128	138356	19.384	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46784	20.015	ug/l	99

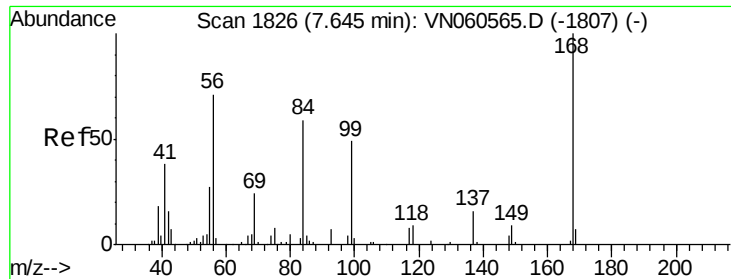
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

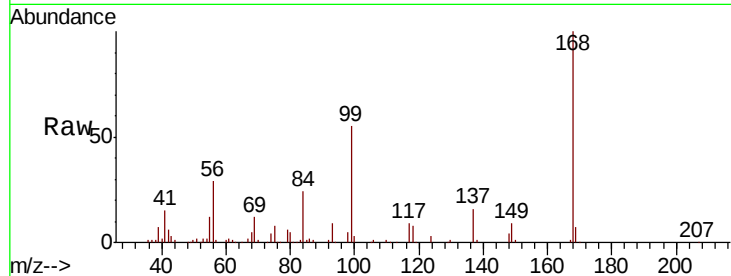
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 181313

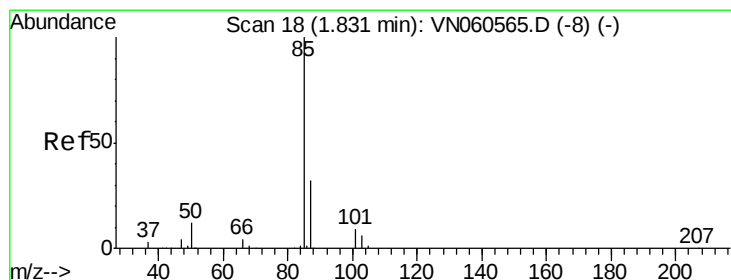
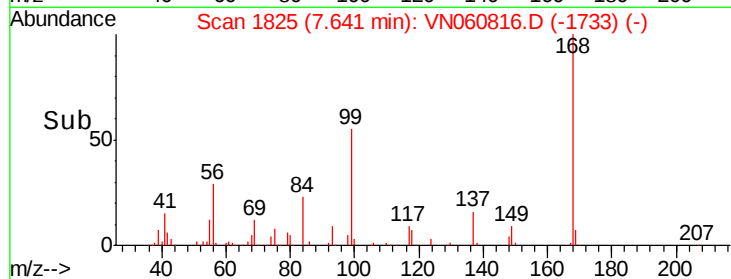
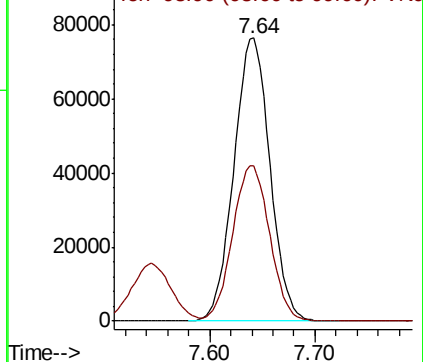
Ion Ratio Lower Upper

168 100

99 54.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060816.D (-1733) (-)



#2

Dichlorodifluoromethane

Concen: 18.136 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060816.D

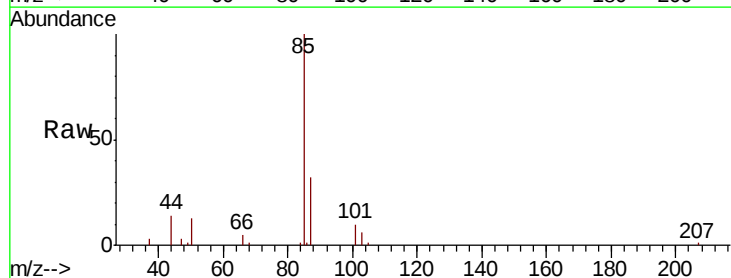
Acq: 2 Apr 2020 12:22

Tgt Ion: 85 Resp: 31818

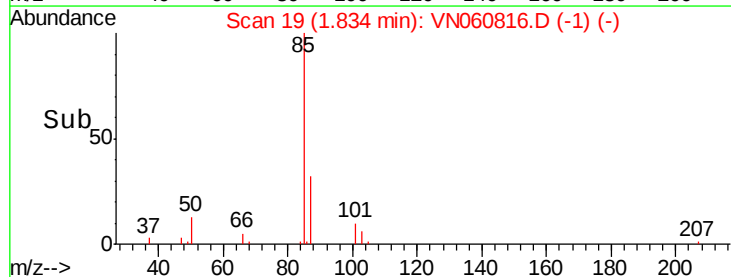
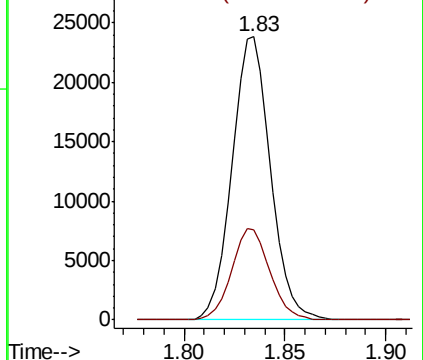
Ion Ratio Lower Upper

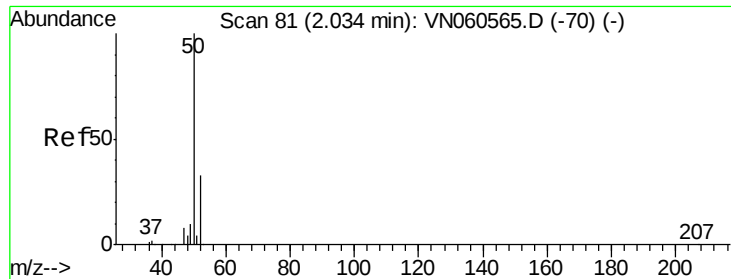
85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060816.D (-1) (-)





#3

Chloromethane

Concen: 16.714 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

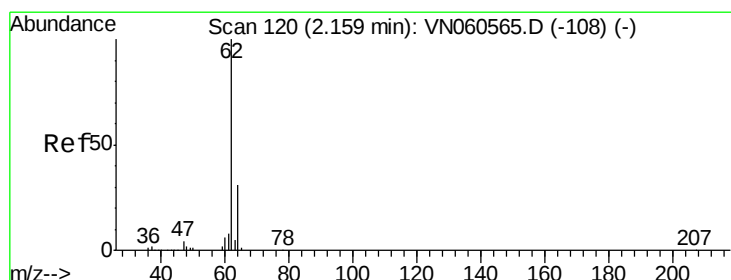
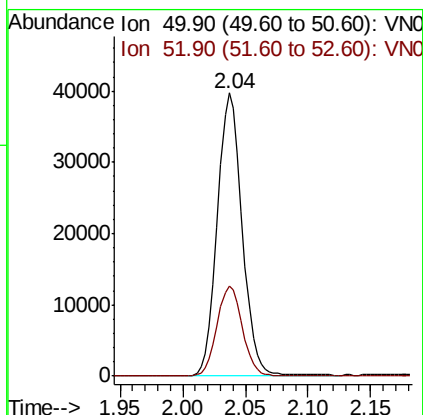
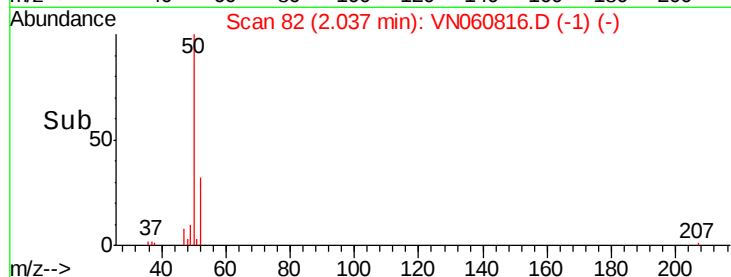
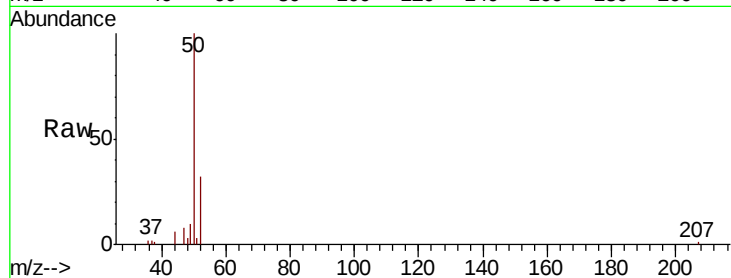
ClientSampled :

Tot Ion: 50 Resp: 54766

Ion Ratio Lower Upper

50 100

52 31.9 26.2 39.2



#4

Vinyl Chloride

Concen: 17.298 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060816.D

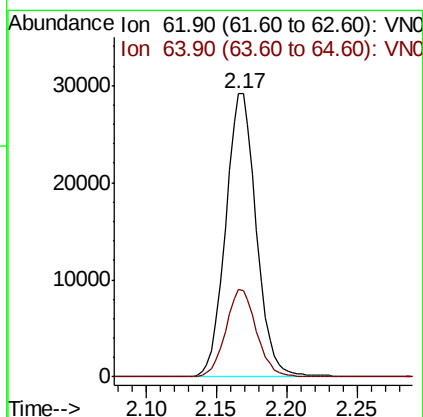
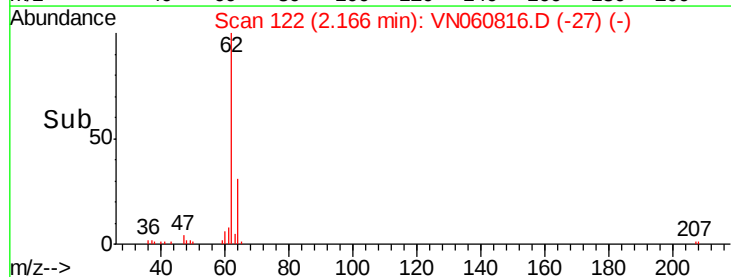
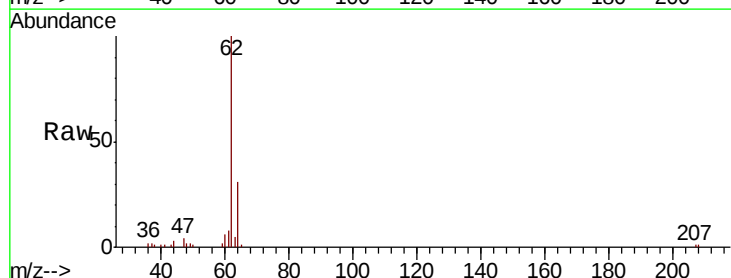
Acq: 2 Apr 2020 12:22

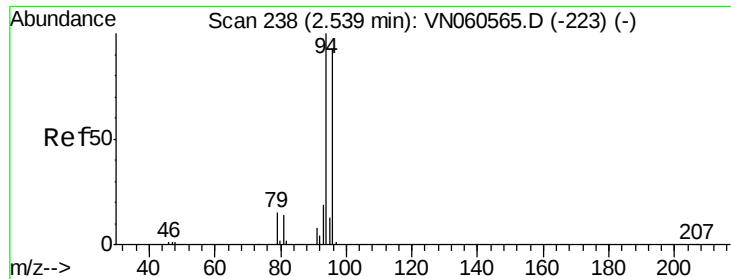
Tgt Ion: 62 Resp: 44331

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 20.607 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

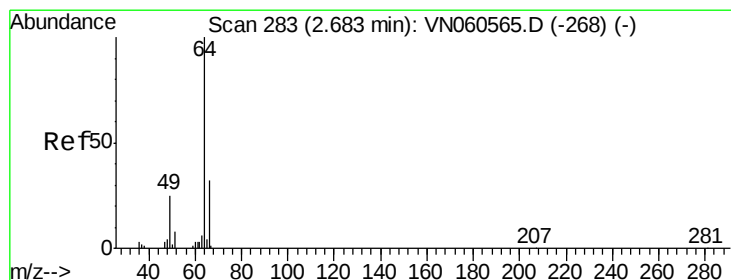
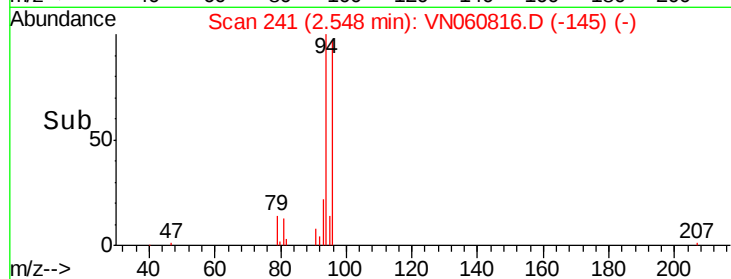
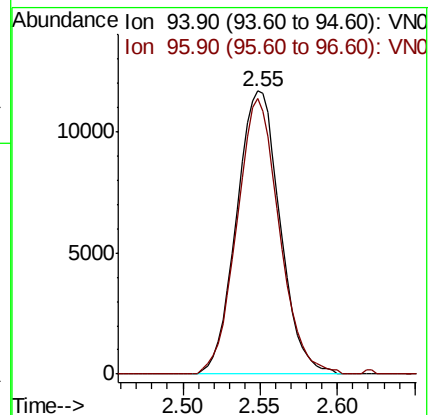
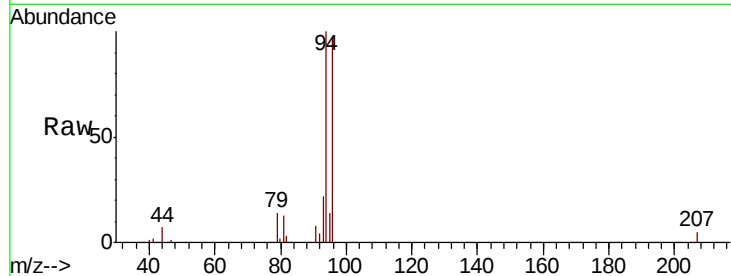
ClientSampled :

Tot Ion: 94 Resp: 22798

Ion Ratio Lower Upper

94 100

96 97.4 74.6 112.0



#6

Chloroethane

Concen: 18.801 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060816.D

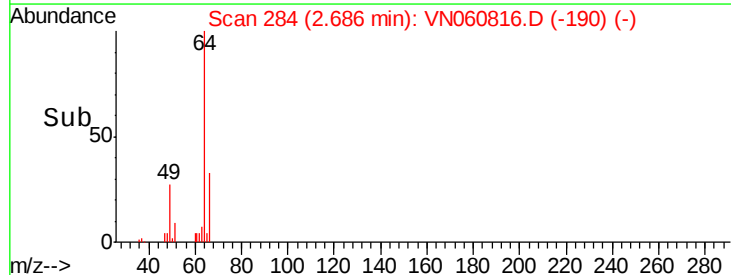
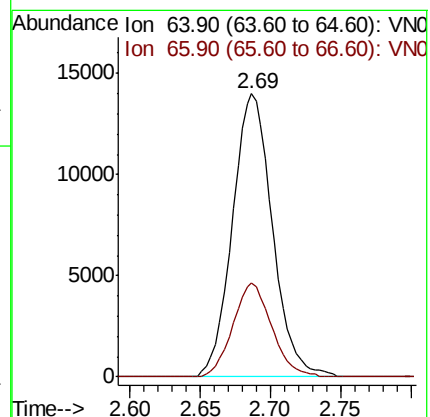
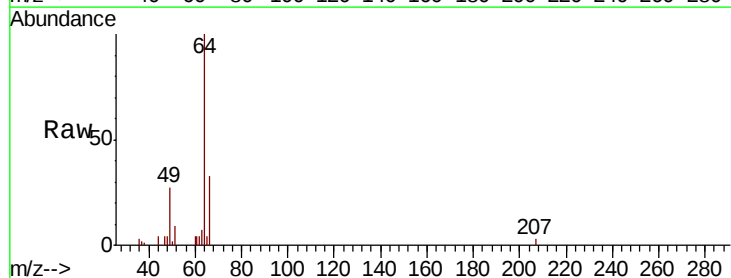
Acq: 2 Apr 2020 12:22

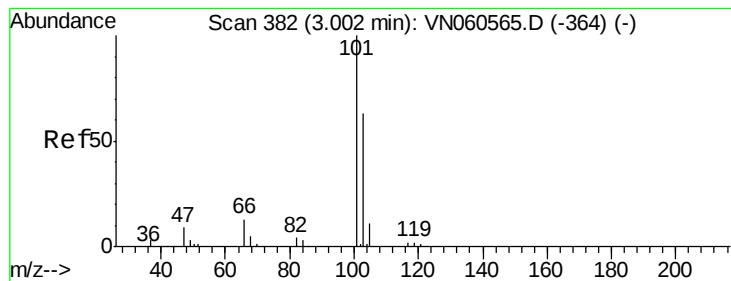
Tgt Ion: 64 Resp: 27756

Ion Ratio Lower Upper

64 100

66 33.4 25.3 37.9



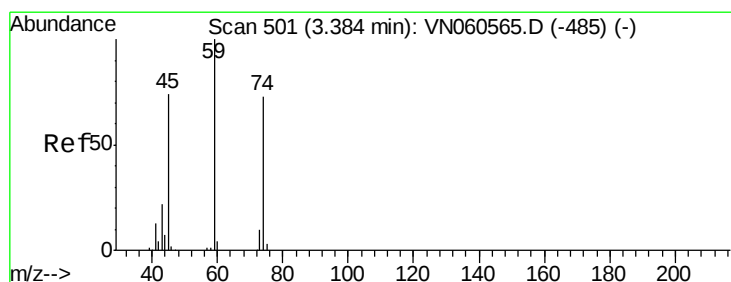
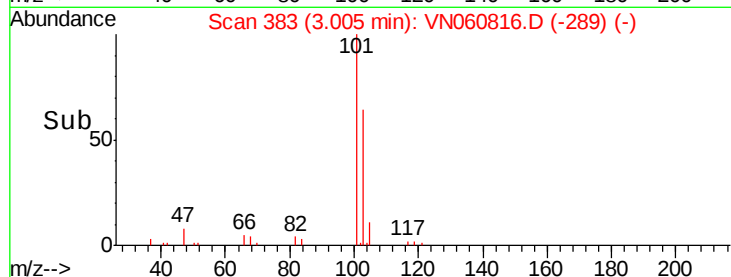
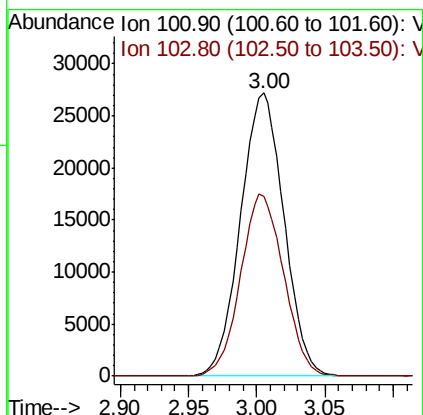
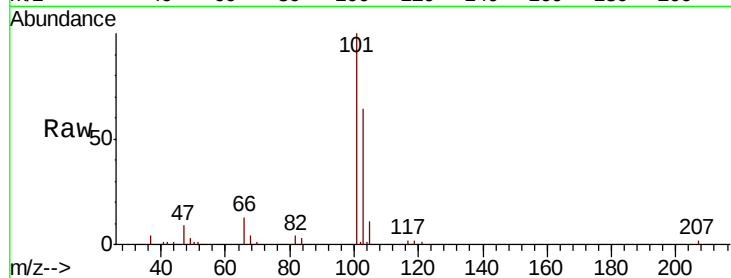


#7

Trichlorofluoromethane
Concen: 19.038 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Instrument :
MSVOA_N
ClientSampled :

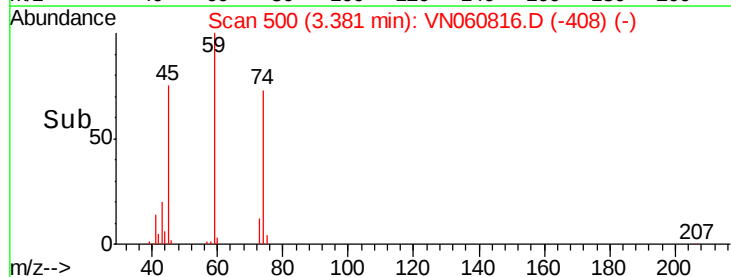
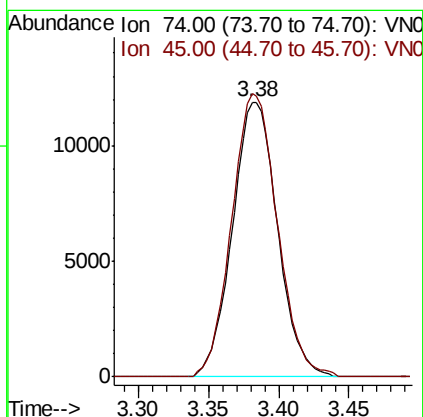
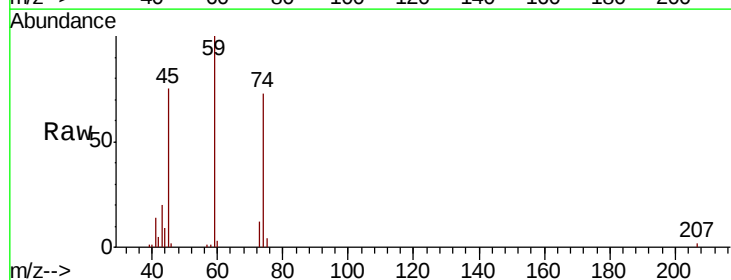
Tot Ion:101 Resp: 60102
Ion Ratio Lower Upper
101 100
103 63.6 50.6 76.0

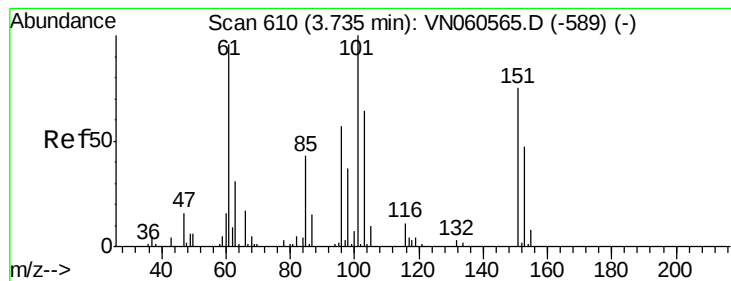


#8

Diethyl Ether
Concen: 20.973 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion: 74 Resp: 26598
Ion Ratio Lower Upper
74 100
45 104.3 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.114 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

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ClientSampleId :

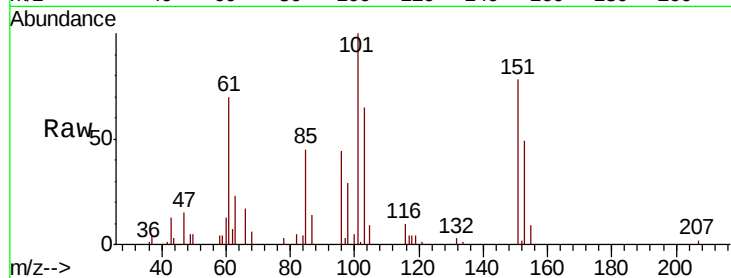
Tot Ion:101 Resp: 36795

Ion Ratio Lower Upper

101 100

85 44.3 35.6 53.4

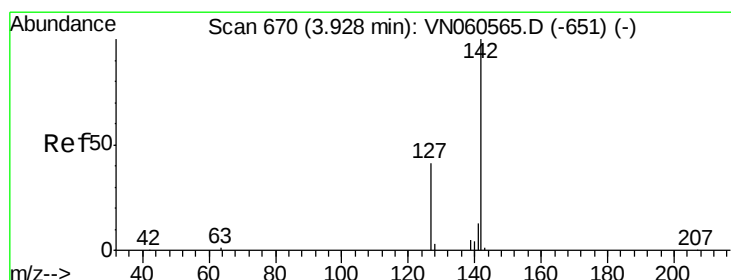
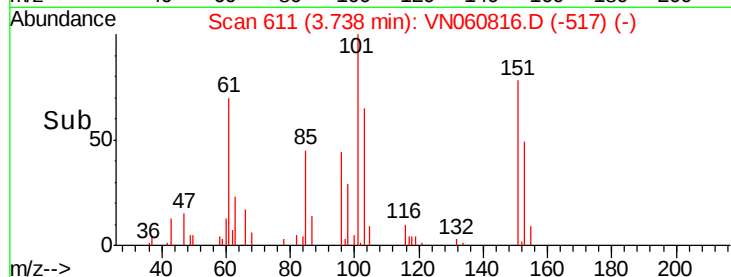
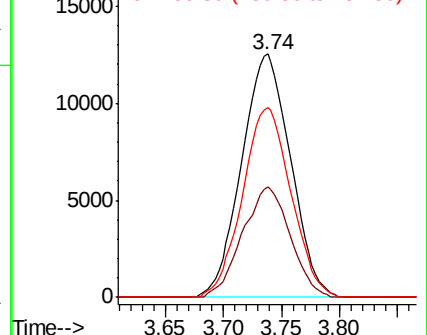
151 77.3 61.4 92.2



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: 19.655 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

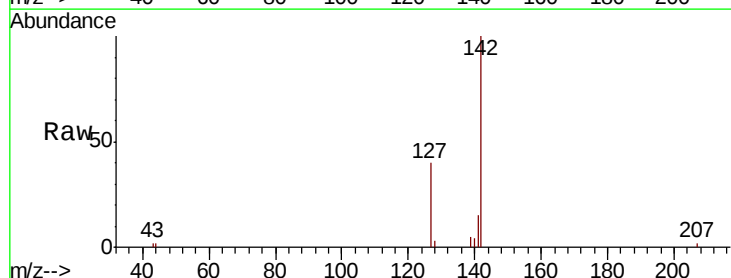
Tgt Ion:142 Resp: 31993

Ion Ratio Lower Upper

142 100

127 41.5 33.5 50.3

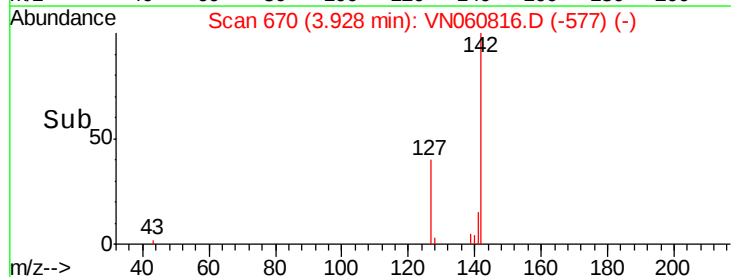
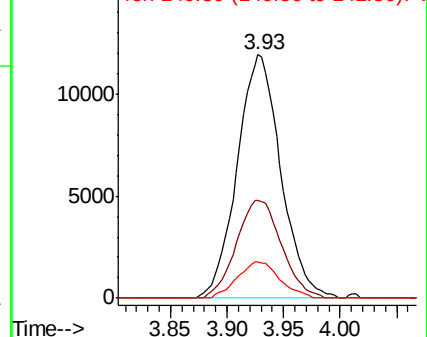
141 14.5 11.0 16.6

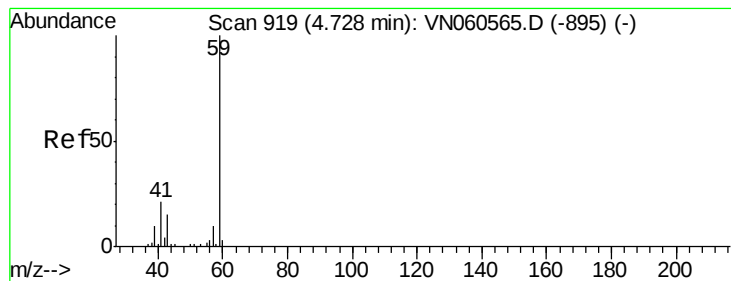


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



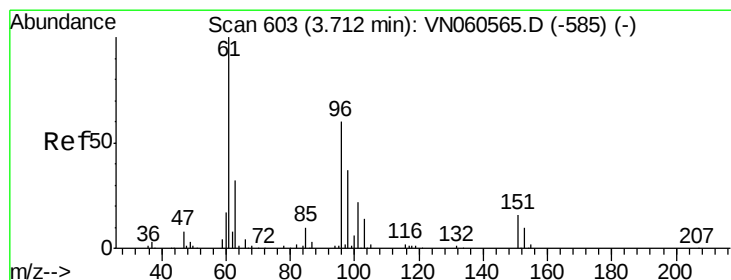
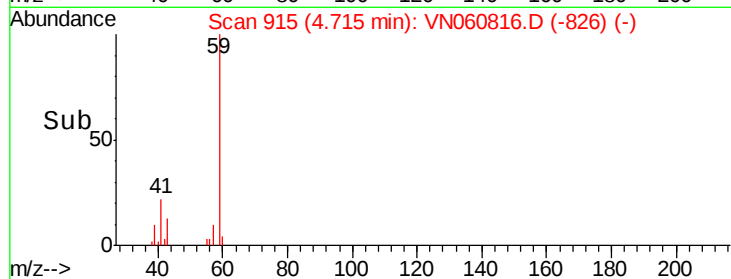
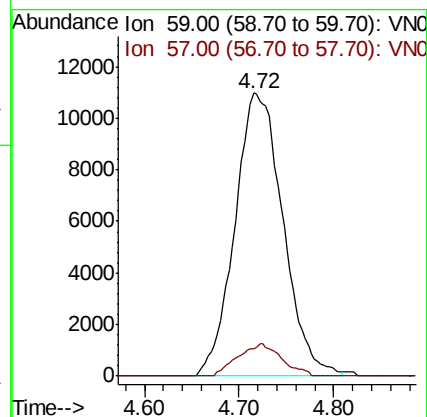
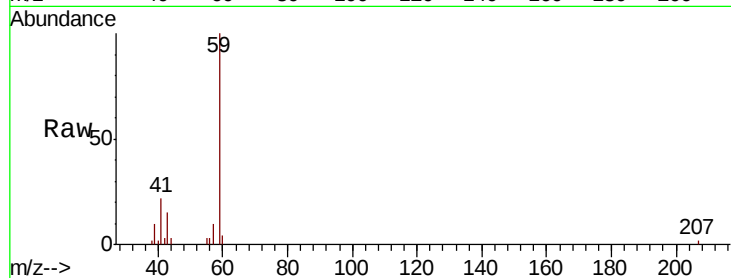


#11

Tert butyl alcohol
Concen: 105.987 ug/l
RT: 4.72 min Scan# 915
Delta R.T. -0.01 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :

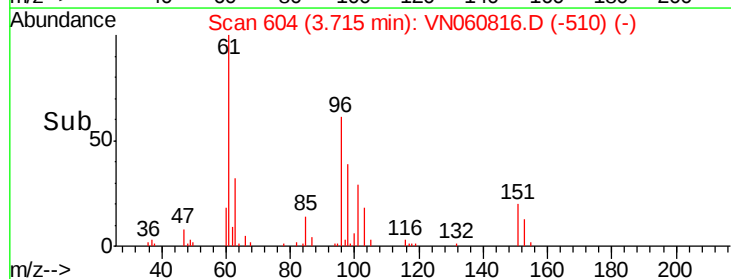
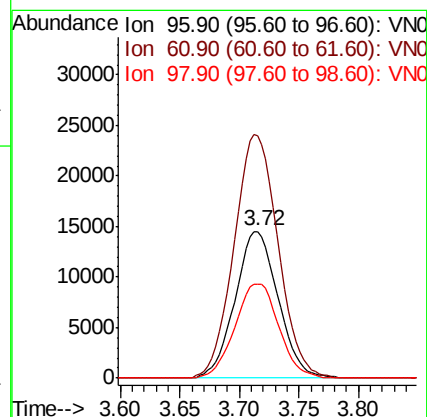
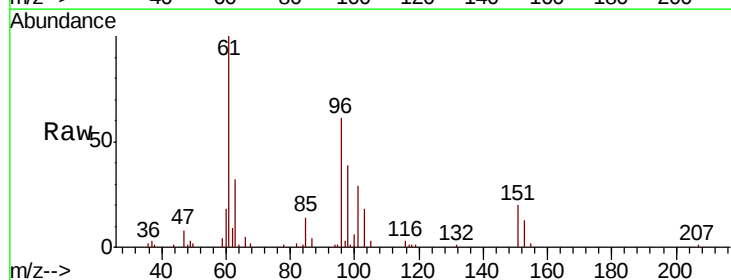
Tot Ion: 59 Resp: 38797
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

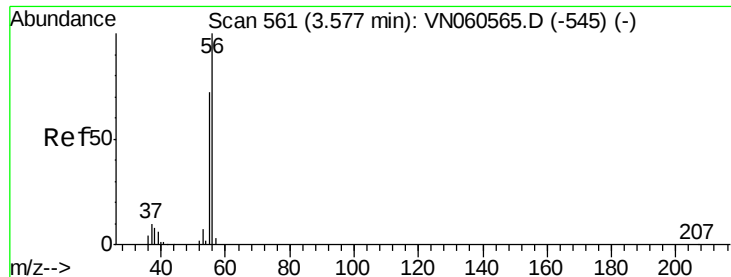


#12

1,1-Dichloroethene
Concen: 18.525 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion: 96 Resp: 36365
Ion Ratio Lower Upper
96 100
61 164.6 134.1 201.1
98 64.2 49.9 74.9





#13

Acrolein

Concen: 81.260 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

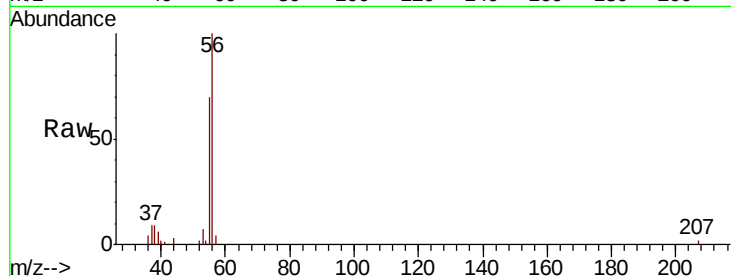
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 32967

Ion Ratio Lower Upper

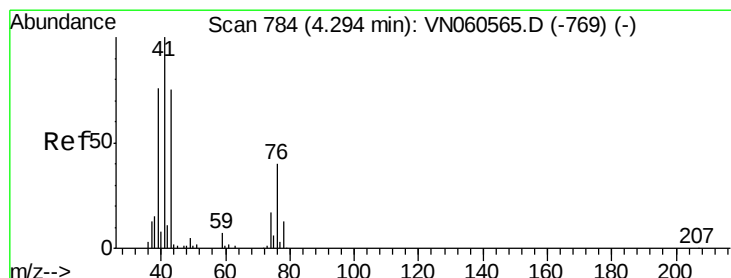
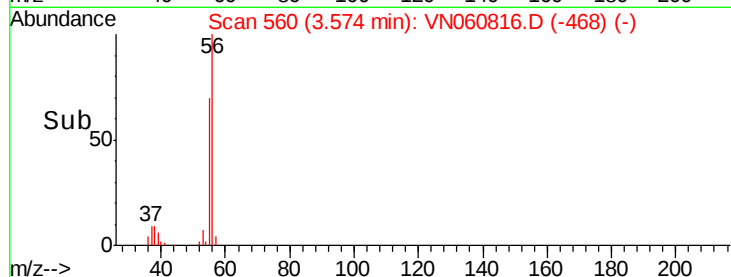
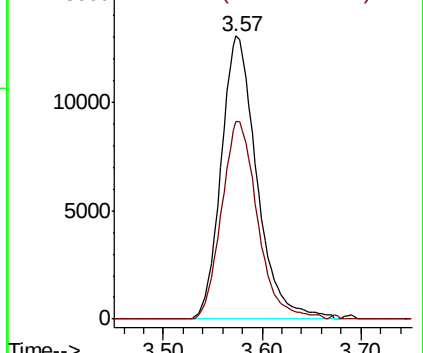
56 100

55 70.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN060816.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN060816.D (-468) (-)



#14

Allyl chloride

Concen: 19.367 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

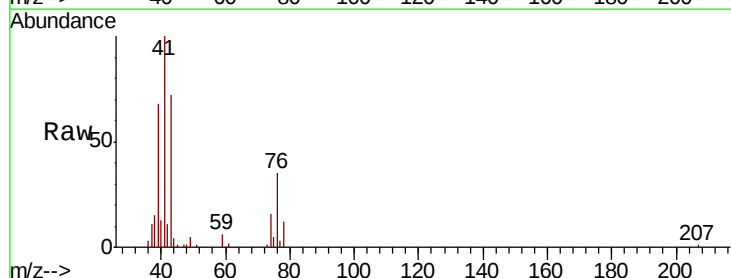
Tgt Ion: 41 Resp: 66868

Ion Ratio Lower Upper

41 100

39 69.0 57.8 86.8

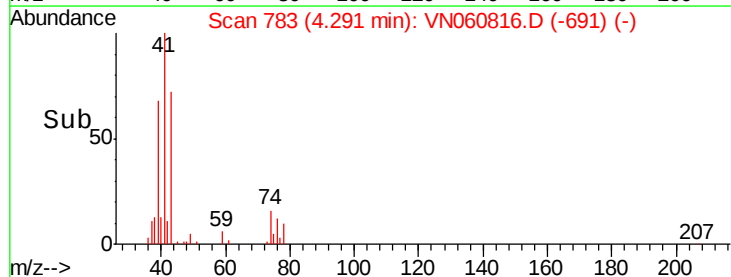
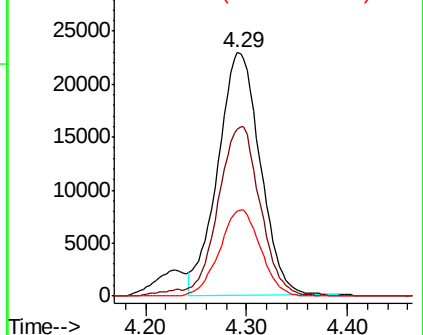
76 34.3 28.6 43.0

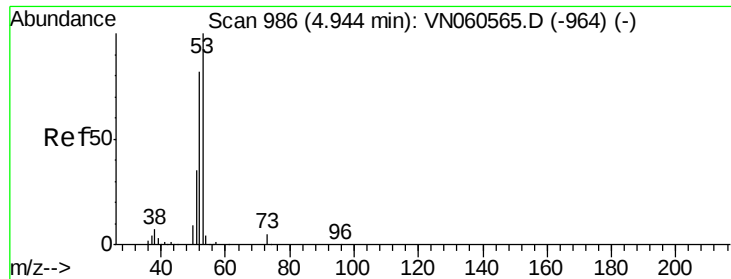


Abundance Ion 41.00 (40.70 to 41.70): VN060816.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060816.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060816.D (-691) (-)





#15

Acrylonitrile

Concen: 103.417 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

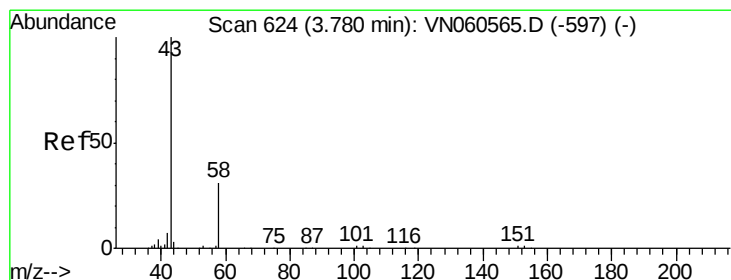
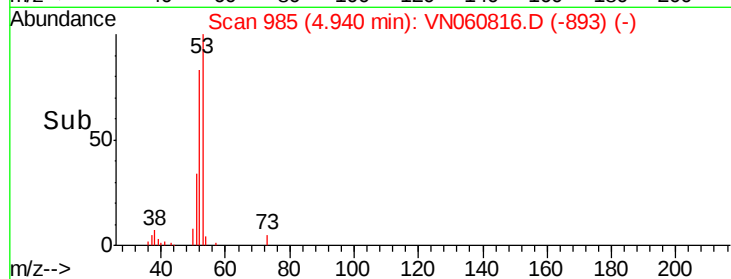
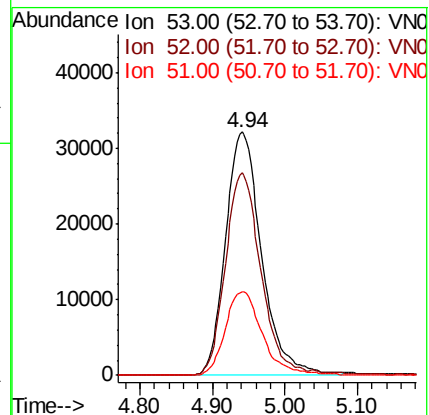
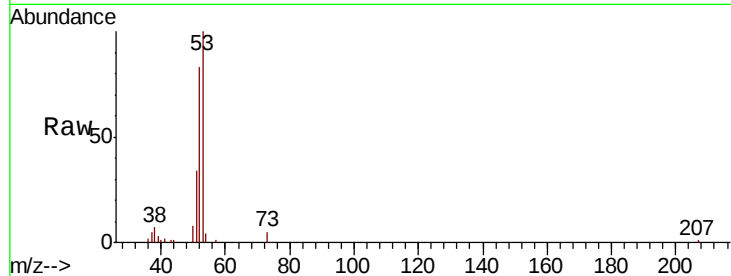
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 111320

Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.4
51	35.5	28.7	43.1



#16

Acetone

Concen: 106.275 ug/l

RT: 3.78 min Scan# 623

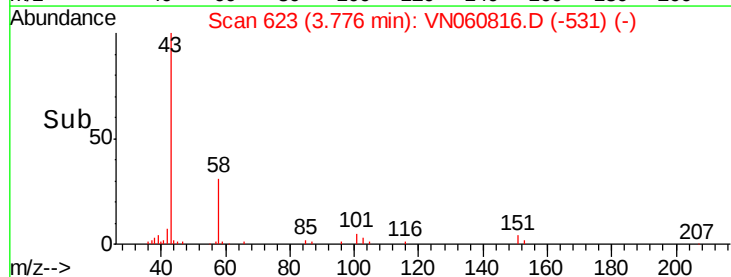
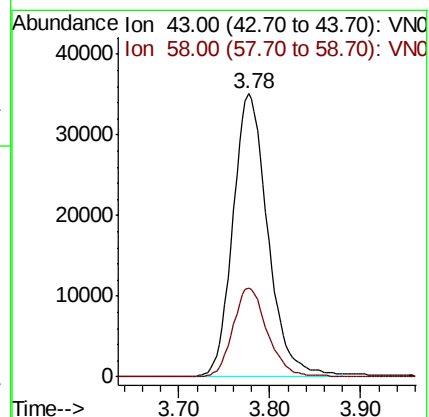
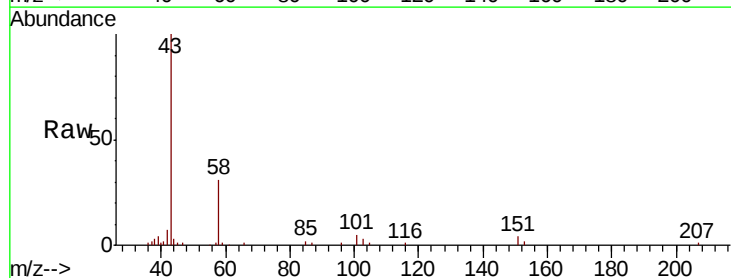
Delta R.T. -0.00 min

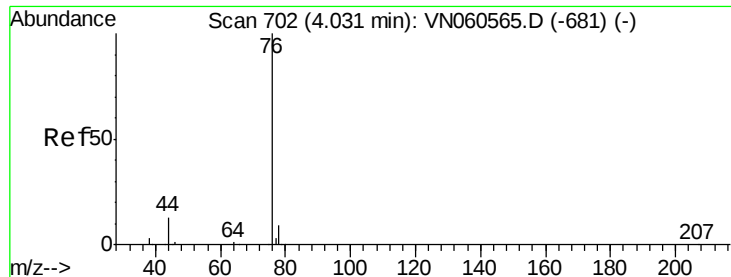
Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Tgt Ion: 43 Resp: 93698

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.1	37.7

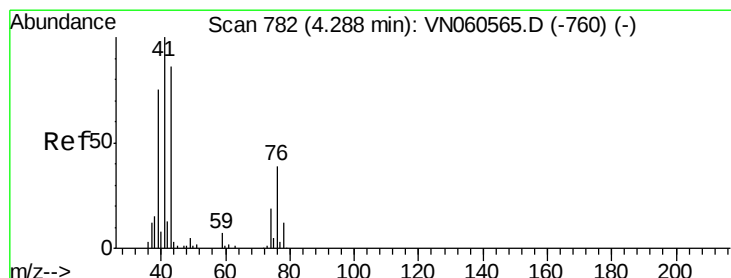
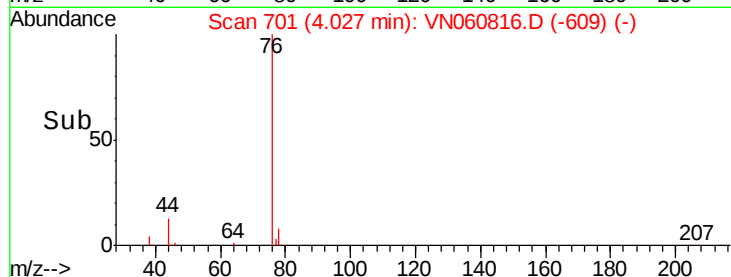
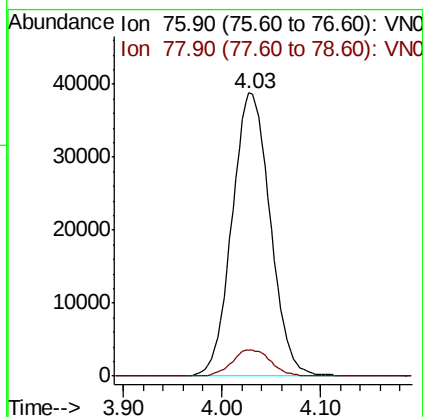
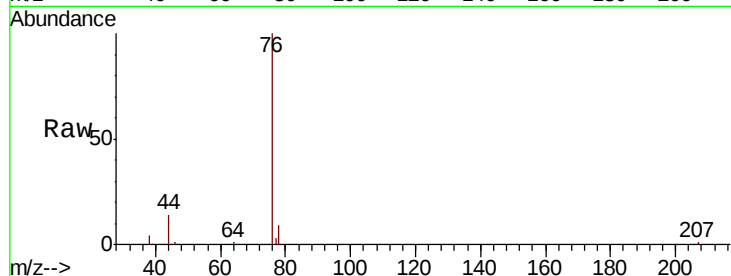




#17
Carbon Disulfide
Concen: 17.412 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

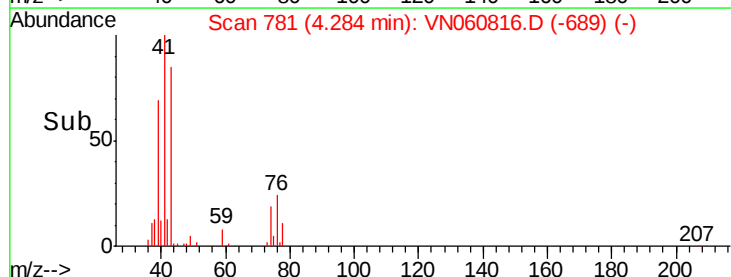
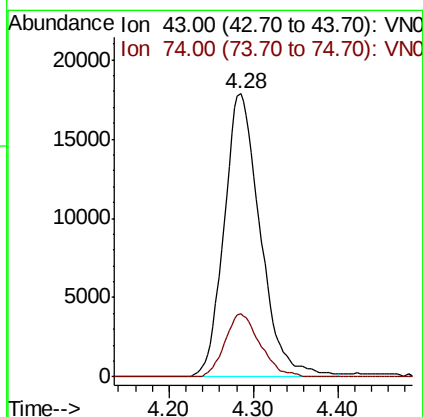
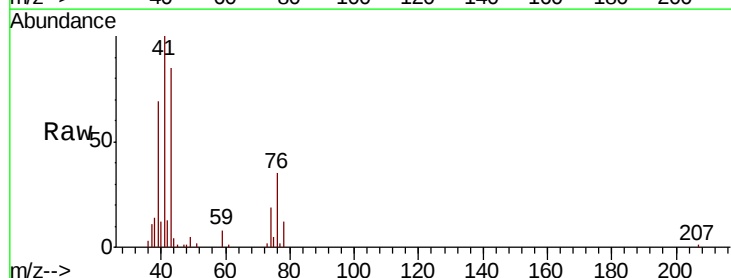
Instrument :
MSVOA_N
ClientSampled :

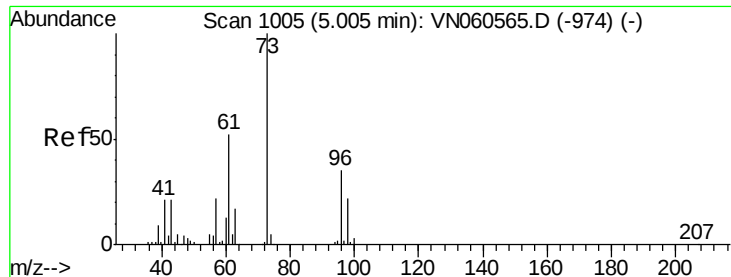
Tot Ion: 76 Resp: 103951
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 21.453 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion: 43 Resp: 53238
Ion Ratio Lower Upper
43 100
74 21.6 17.5 26.3



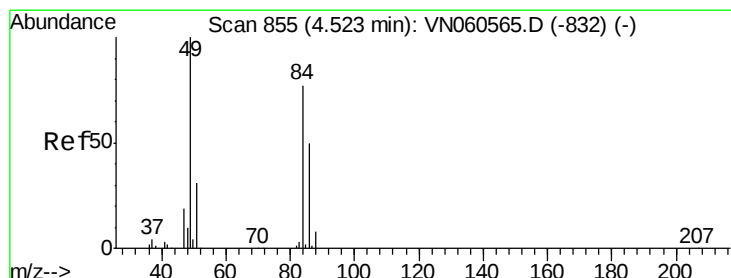
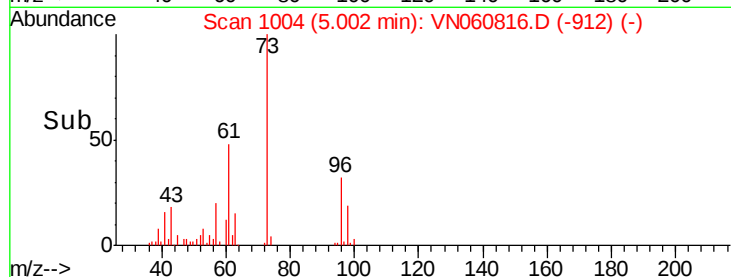
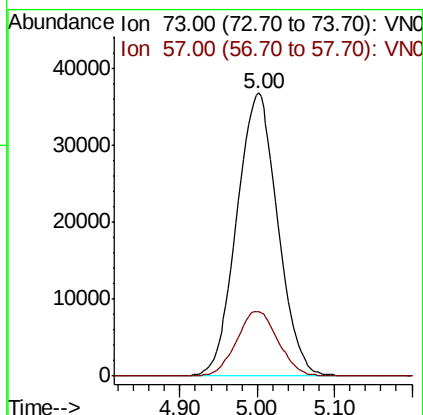
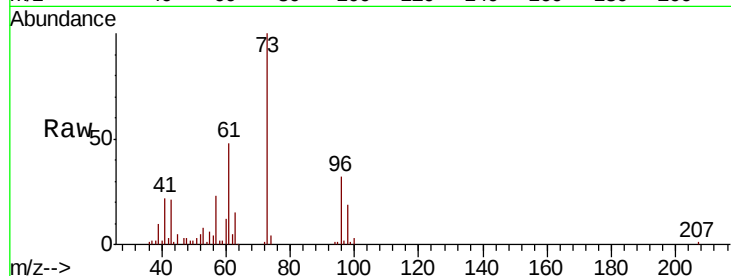


#19

Methyl tert-butyl Ether
 Concen: 20.136 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Instrument :
 MSVOA_N
 ClientSampled :

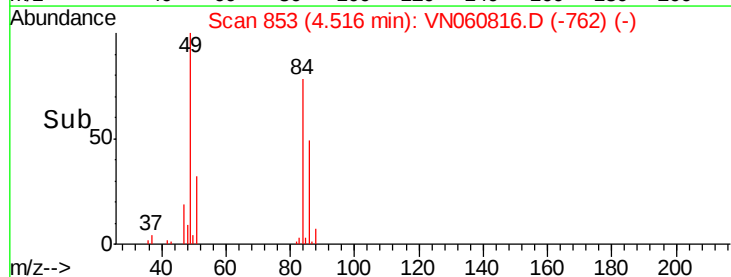
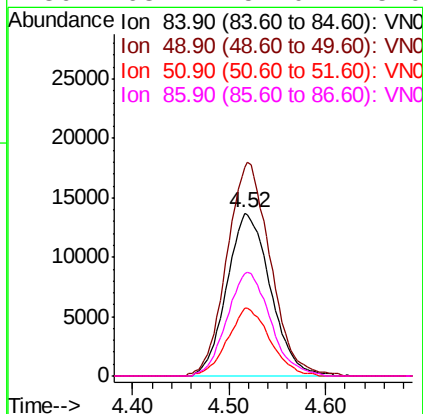
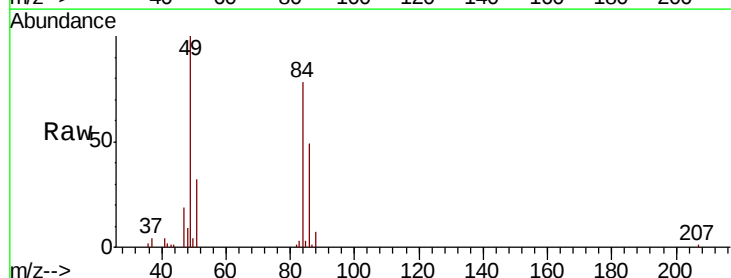
Tot Ion: 73 Resp: 135902
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.5 26.3

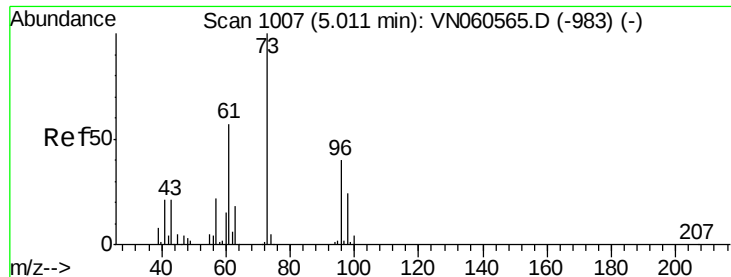


#20

Methylene Chloride
 Concen: 19.790 ug/l
 RT: 4.52 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Tgt Ion: 84 Resp: 42921
 Ion Ratio Lower Upper
 84 100
 49 127.2 103.3 154.9
 51 41.7 31.6 47.4
 86 63.4 52.0 78.0

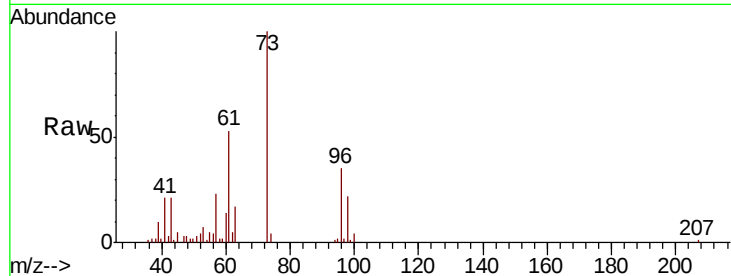




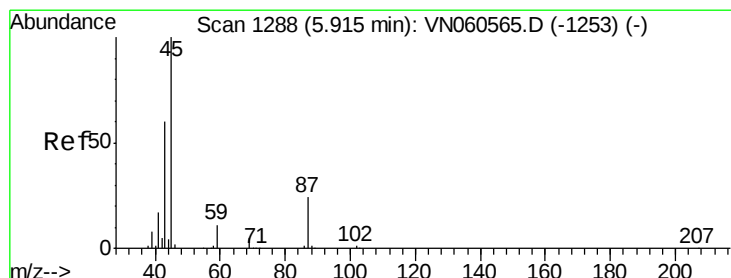
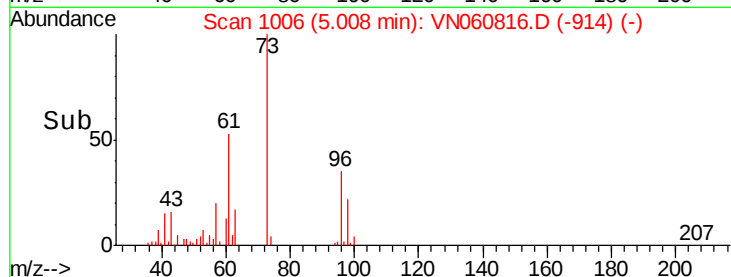
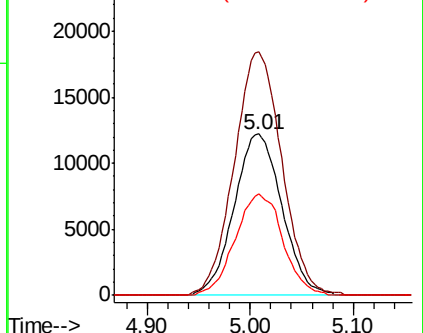
#21
trans-1,2-Dichloroethene
Concen: 18.858 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 39455
Ion Ratio Lower Upper
96 100
61 150.9 114.4 171.6
98 62.8 48.4 72.6

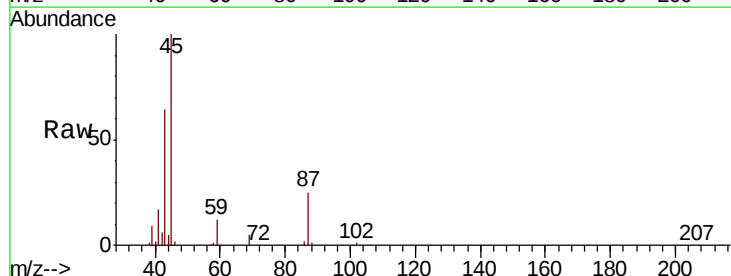


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

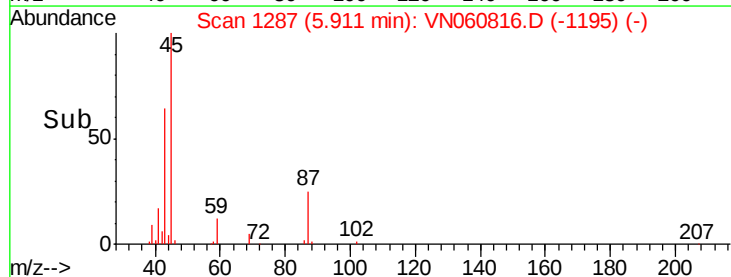
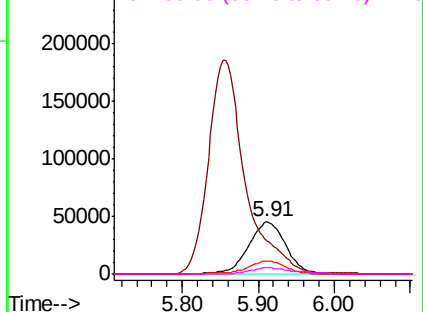


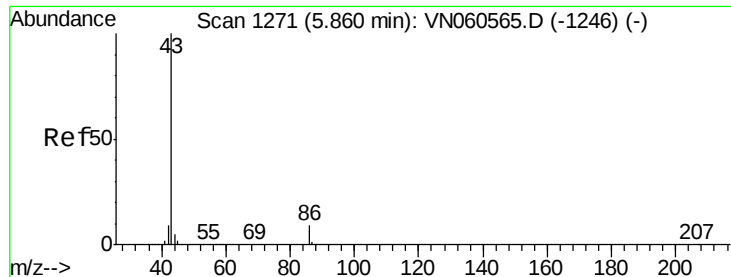
#22
Diisopropyl ether
Concen: 21.106 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion: 45 Resp: 153950
Ion Ratio Lower Upper
45 100
43 62.4 49.8 74.8
87 25.0 20.1 30.1
59 11.9 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.546 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

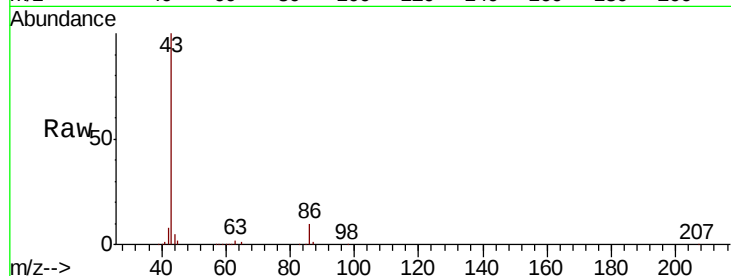
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 628160

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060816.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060816.D (-1178) (-)

5.86

200000

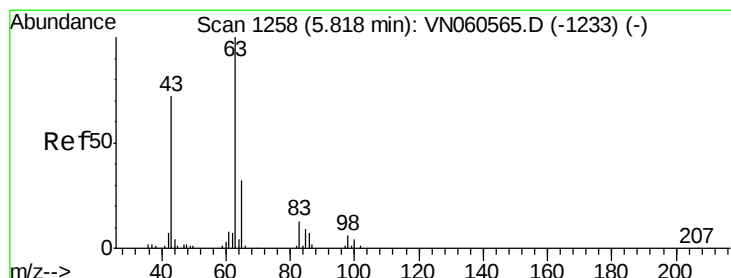
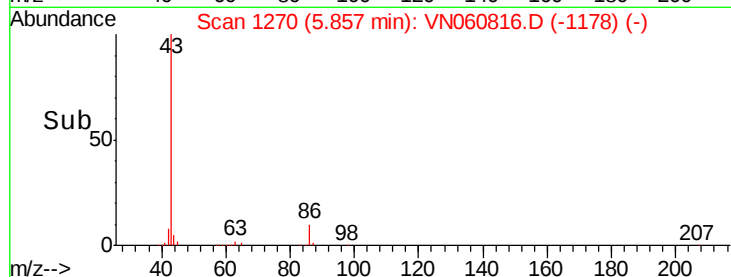
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.237 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

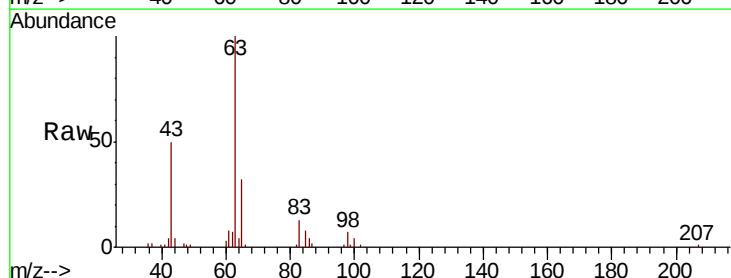
Tgt Ion: 63 Resp: 80470

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060816.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060816.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060816.D (-1165) (-)

5.81

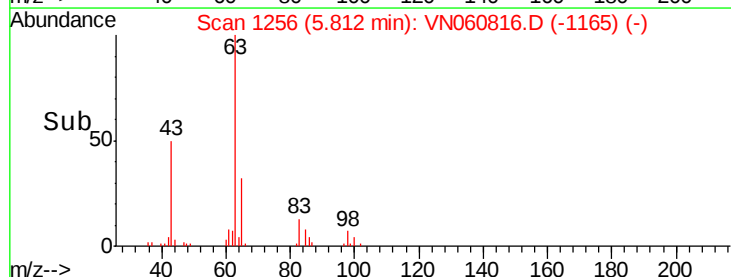
30000

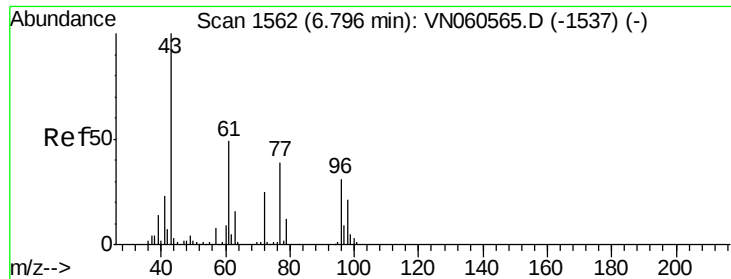
20000

10000

0

Time-->





#25

2-Butanone

Concen: 103.081 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

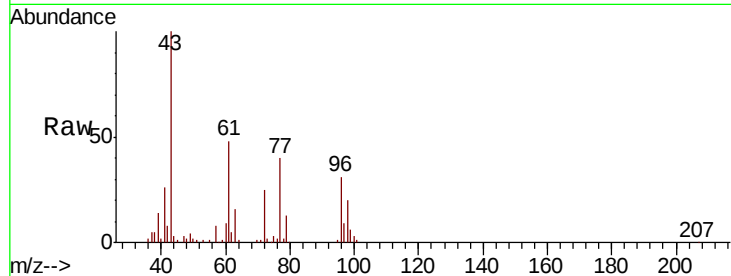
ClientSampled :

Tot Ion: 43 Resp: 147064

Ion Ratio Lower Upper

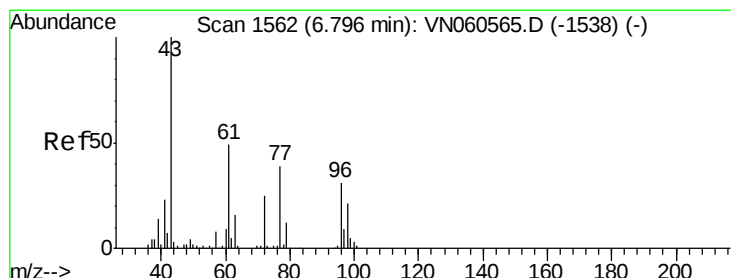
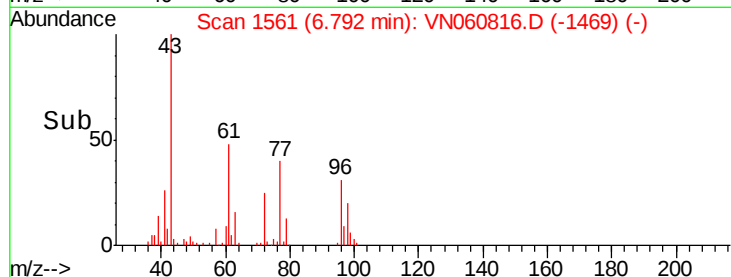
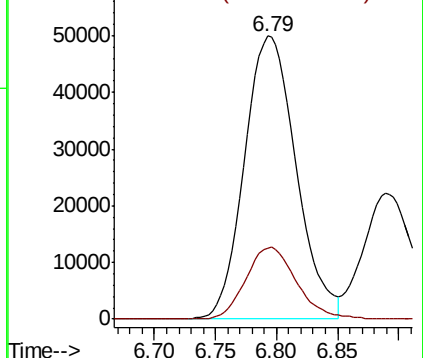
43 100

72 25.0 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 21.242 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060816.D

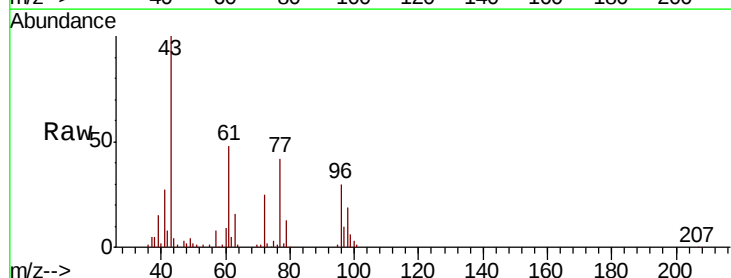
Acq: 2 Apr 2020 12:22

Tgt Ion: 77 Resp: 66458

Ion Ratio Lower Upper

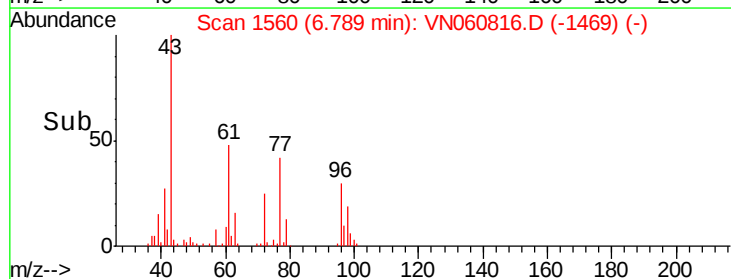
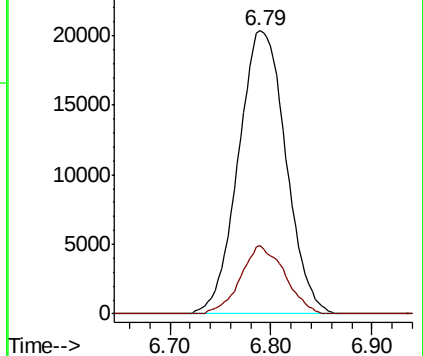
77 100

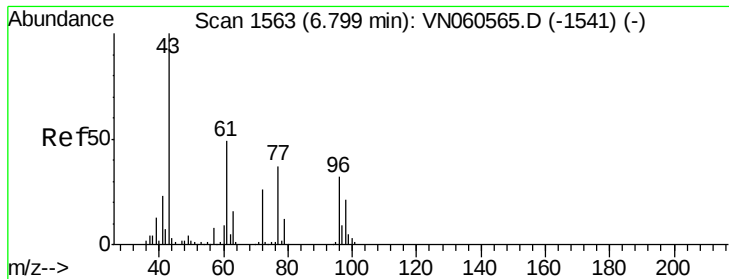
97 22.4 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.981 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :

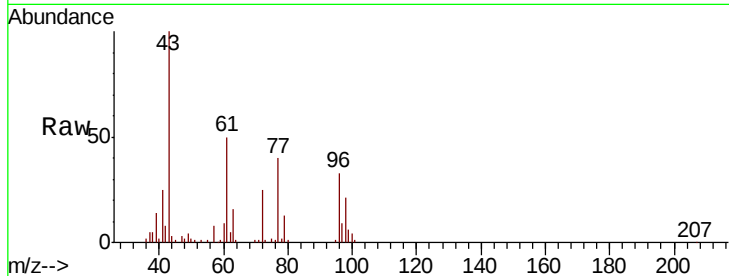
Tot Ion: 96 Resp: 47506

Ion Ratio Lower Upper

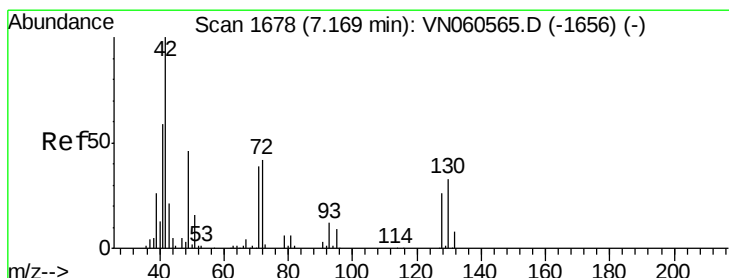
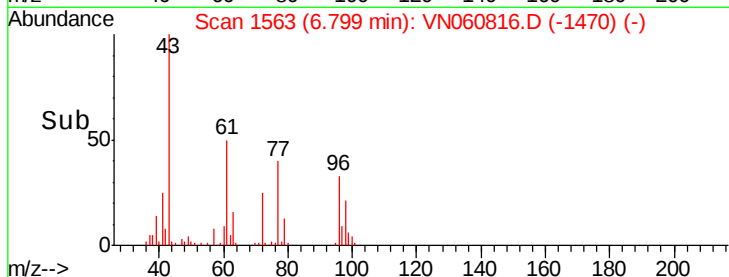
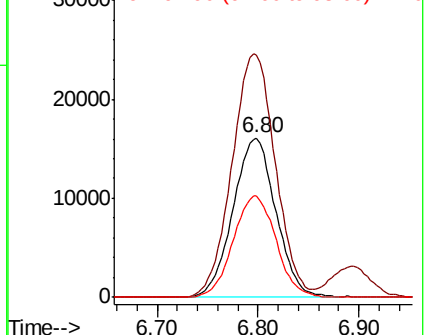
96 100

61 154.2 0.0 305.6

98 63.5 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.748 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

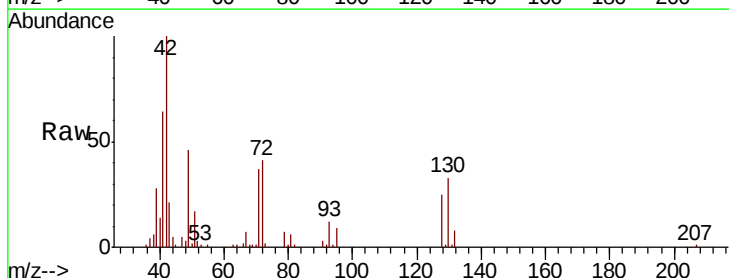
Tgt Ion: 49 Resp: 37570

Ion Ratio Lower Upper

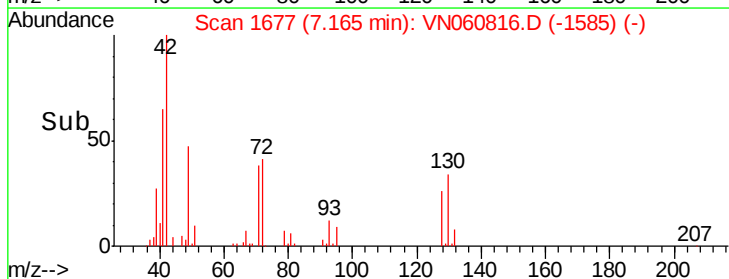
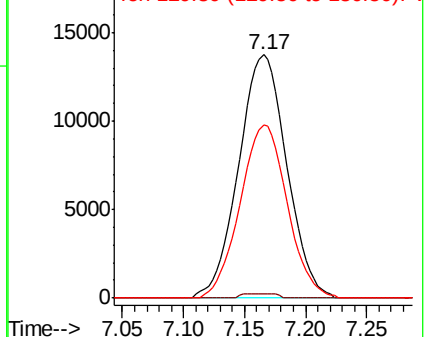
49 100

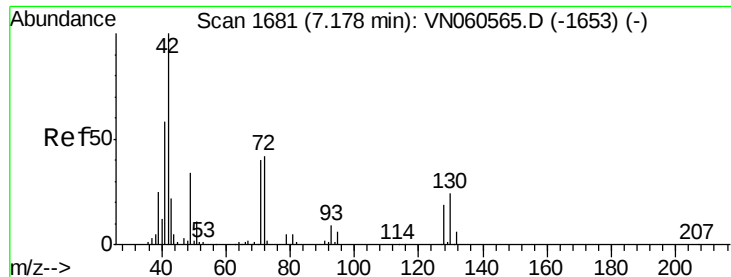
129 1.2 0.0 3.4

130 69.7 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

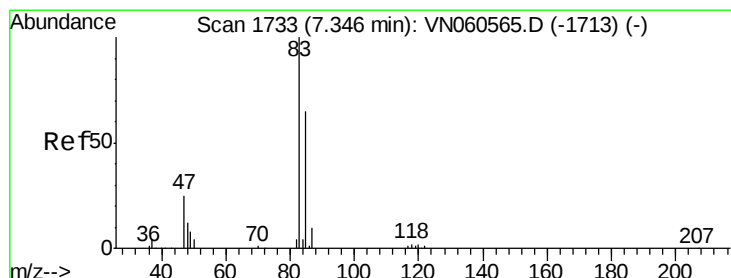
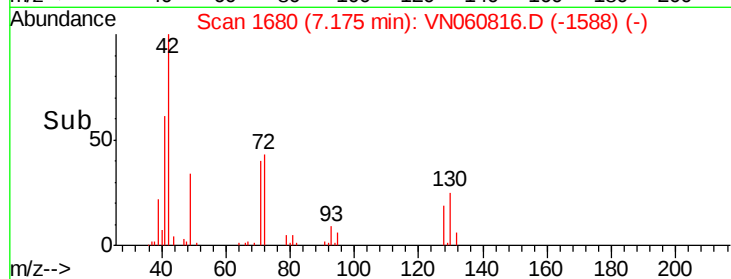
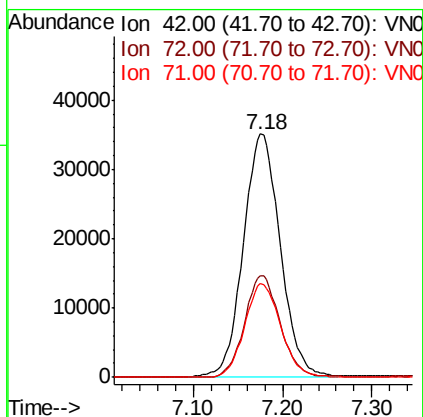
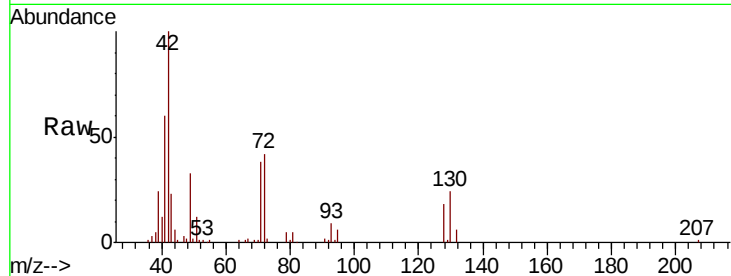




#29
Tetrahydrofuran
Concen: 100.485 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

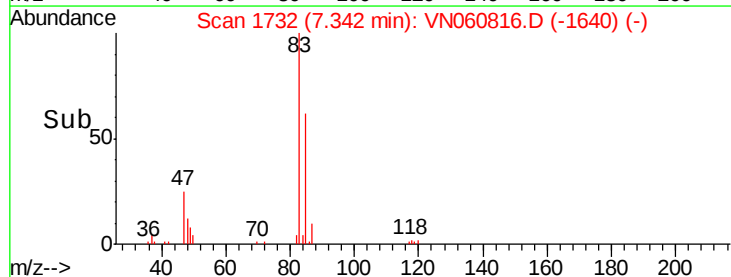
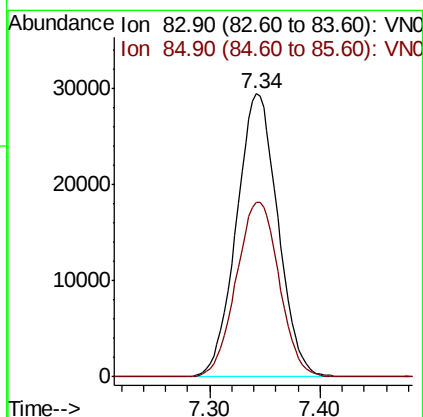
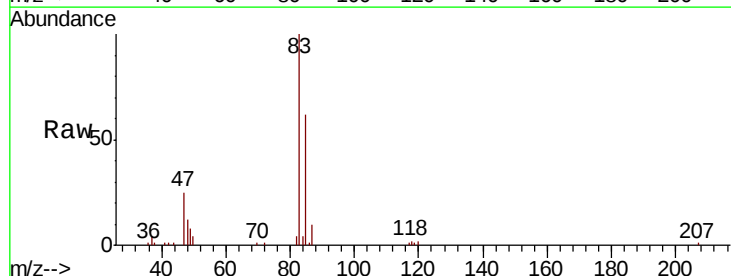
Instrument :
MSVOA_N
ClientSampled :

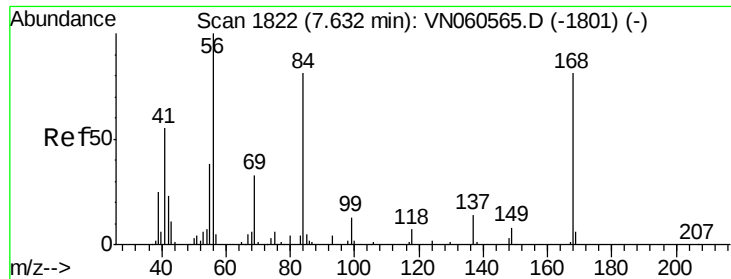
Tot Ion: 42 Resp: 101433
Ion Ratio Lower Upper
42 100
72 40.1 33.2 49.8
71 37.4 31.1 46.7



#30
Chloroform
Concen: 20.096 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion: 83 Resp: 76609
Ion Ratio Lower Upper
83 100
85 61.8 51.8 77.8

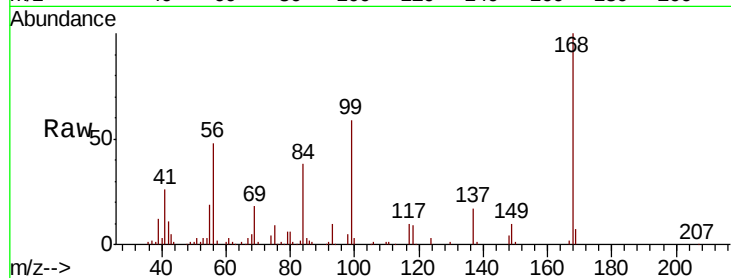




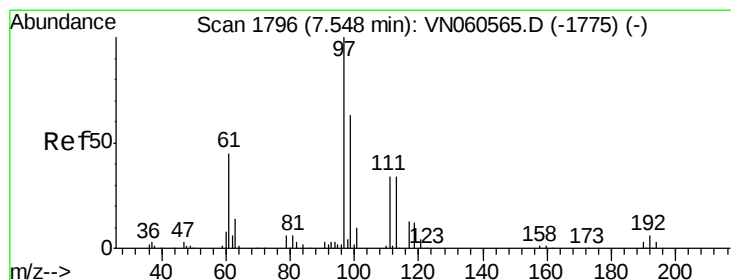
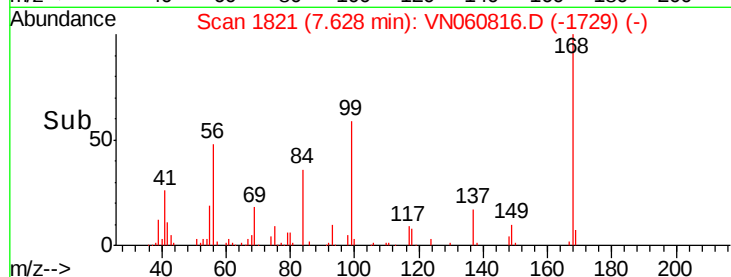
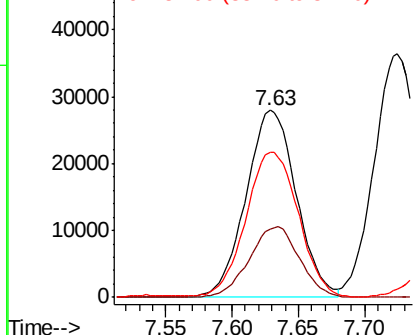
#31
Cyclohexane
Concen: 18.491 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 74126
Ion Ratio Lower Upper
56 100
69 36.7 26.6 40.0
84 77.3 64.3 96.5

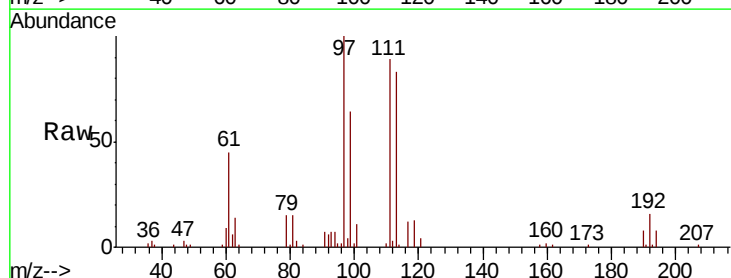


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

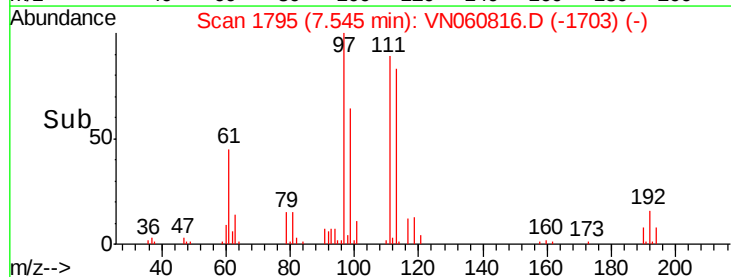
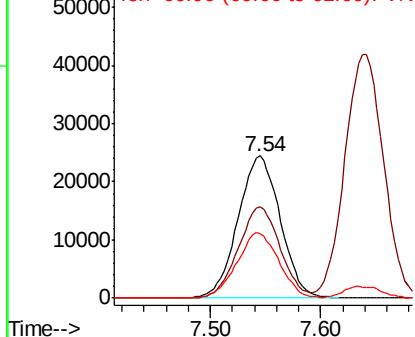


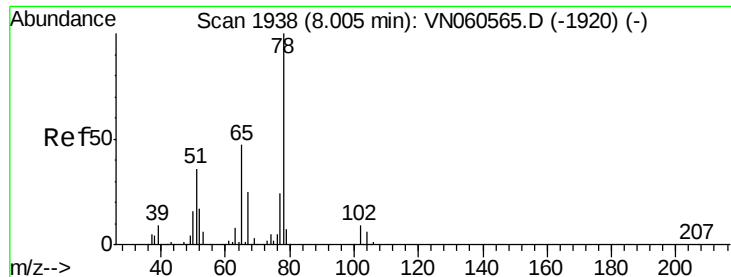
#32
1,1,1-Trichloroethane
Concen: 19.699 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion: 97 Resp: 64736
Ion Ratio Lower Upper
97 100
99 63.6 50.6 75.8
61 45.8 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

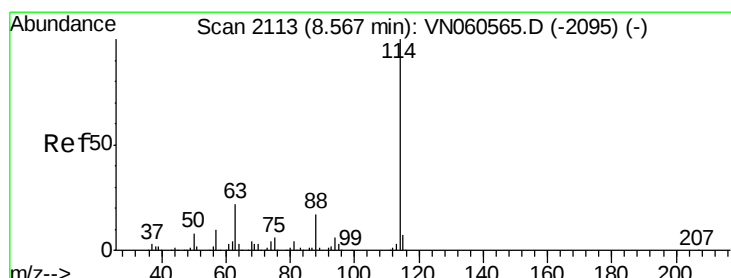
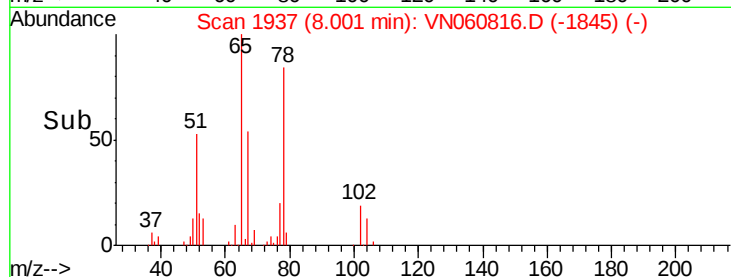
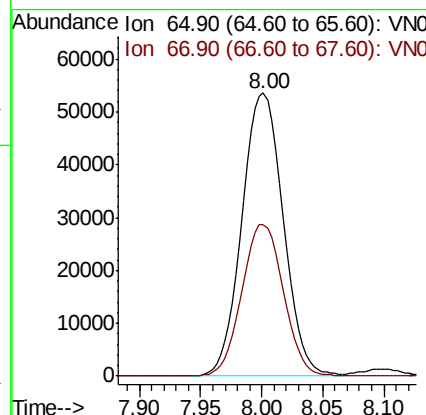
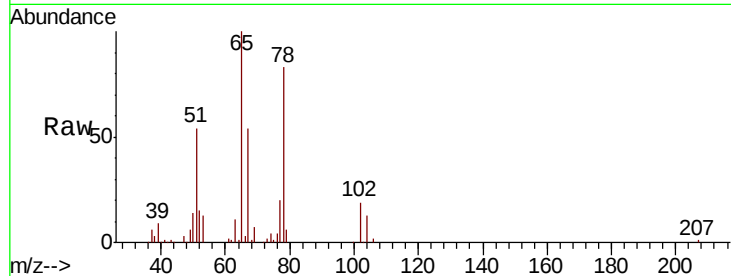




#33
 1,2-Dichloroethane-d4
 Concen: 50.572 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

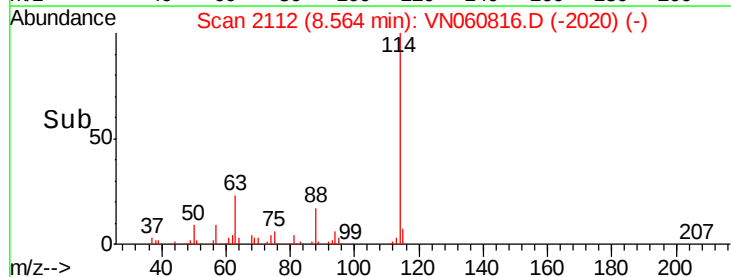
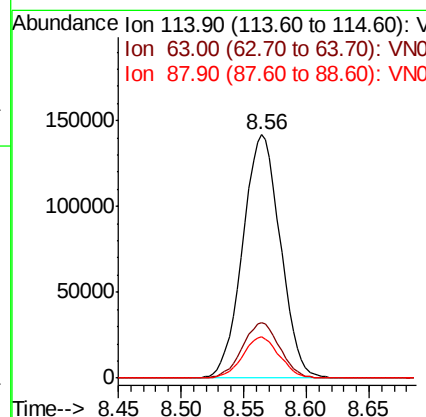
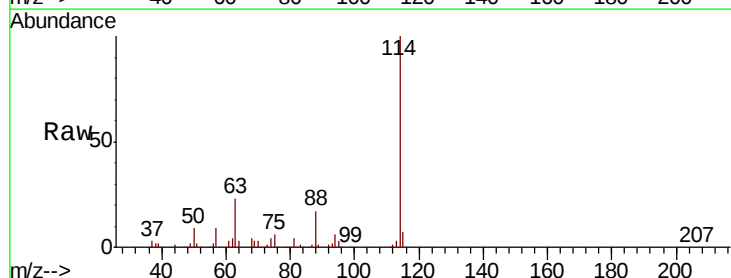
Instrument :
 MSVOA_N
 ClientSampleId :

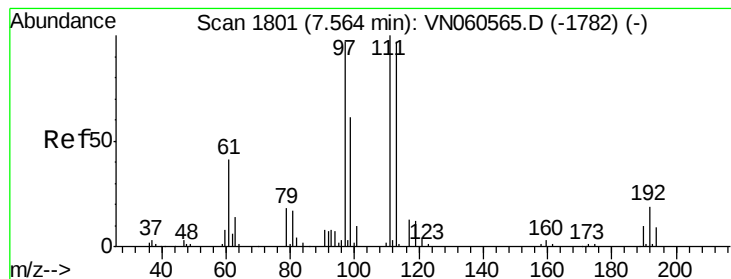
Tot Ion: 65 Resp: 125875
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Tgt Ion: 114 Resp: 296148
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.351 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

ClientSampled :

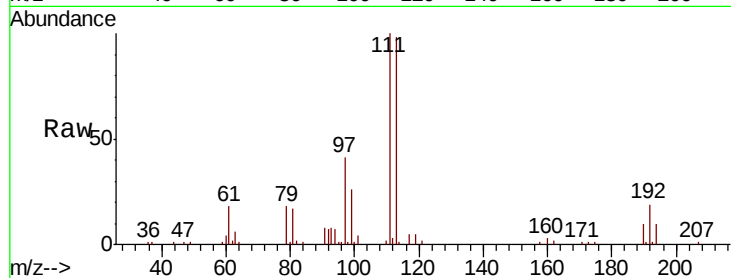
Tot Ion:113 Resp: 93746

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

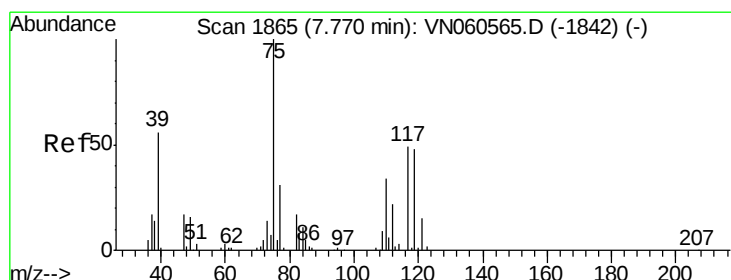
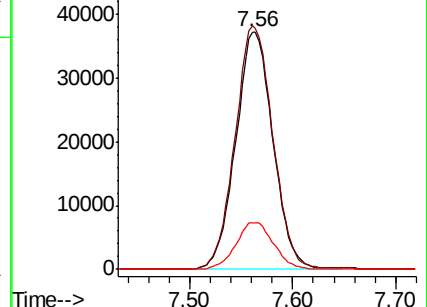
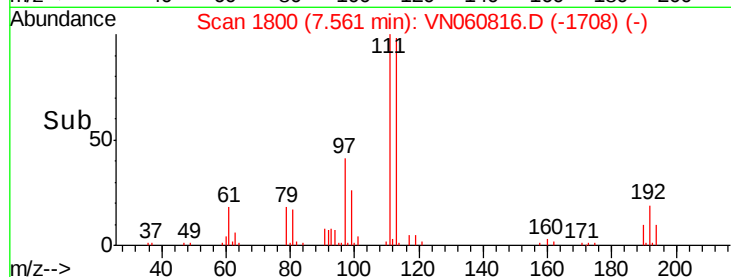
192 19.9 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.075 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

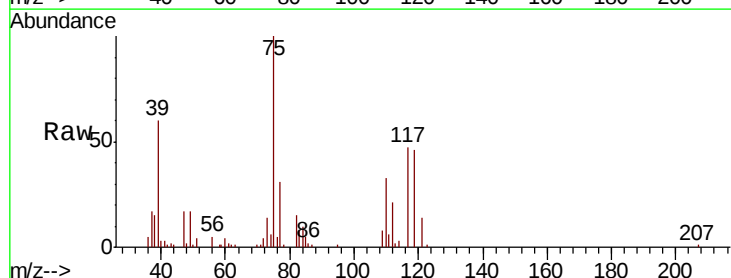
Tgt Ion: 75 Resp: 57568

Ion Ratio Lower Upper

75 100

110 33.6 16.9 50.6

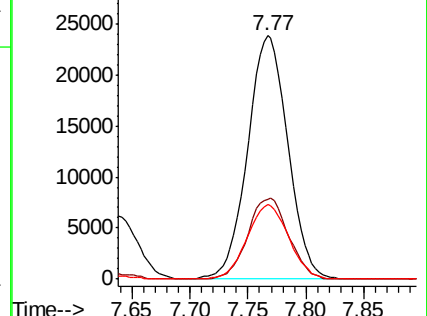
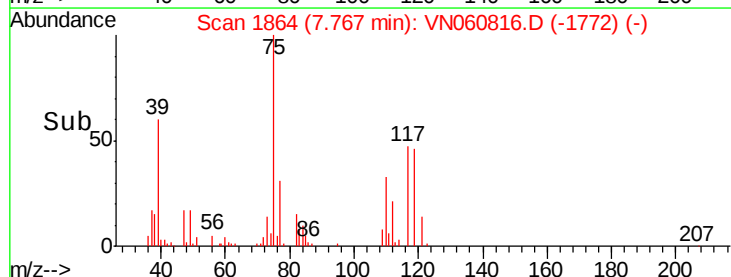
77 31.5 24.6 36.8

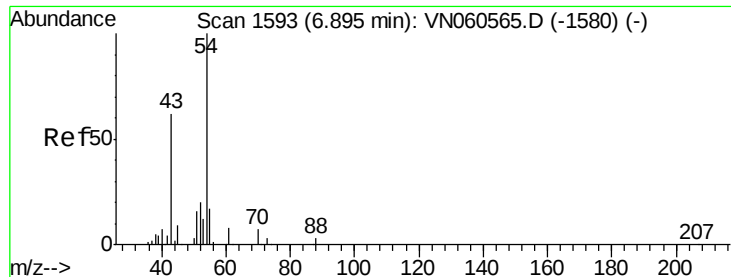


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

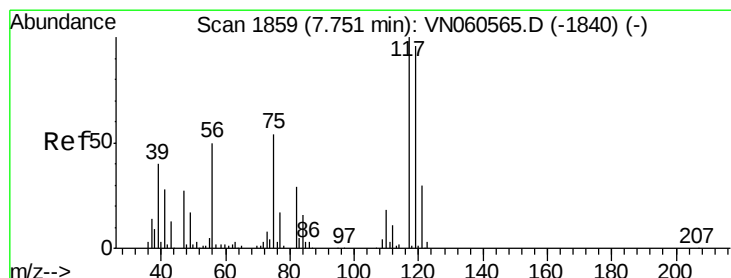
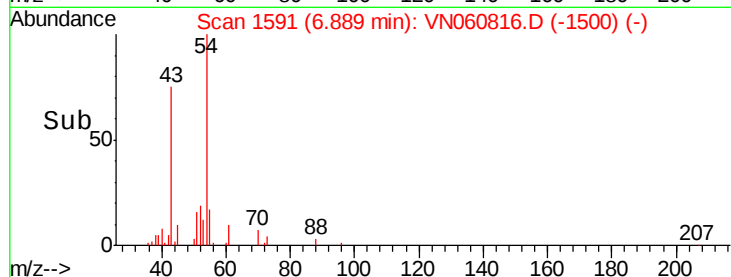
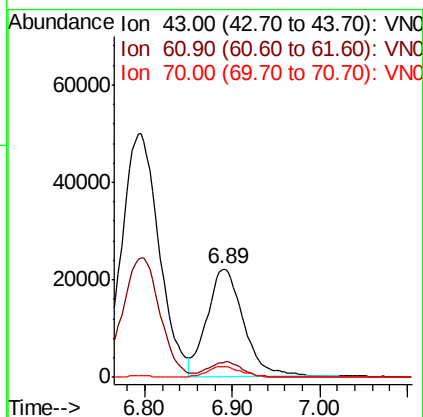
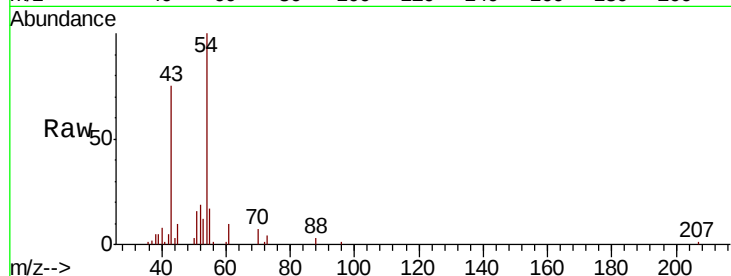




#37
Ethyl Acetate
Concen: 20.820 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

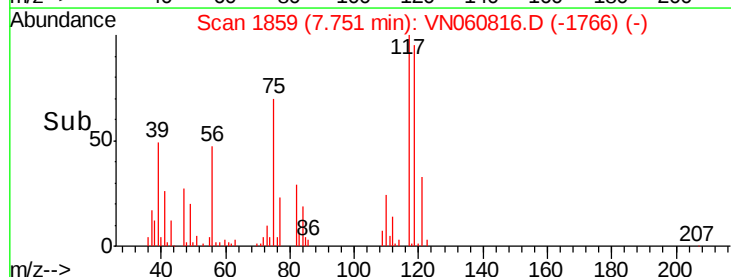
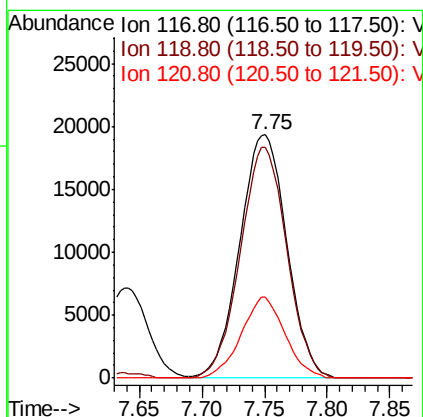
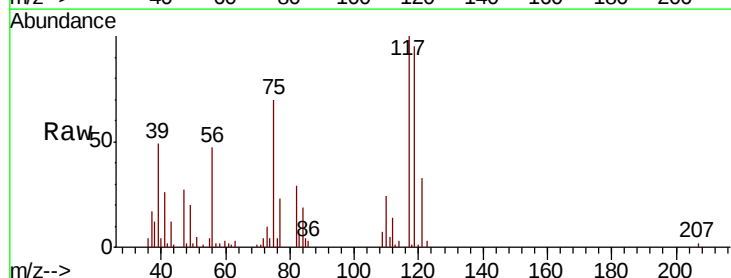
Instrument :
MSVOA_N
ClientSampled :

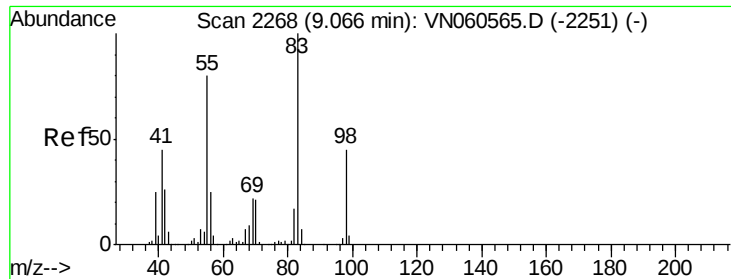
Tot Ion: 43 Resp: 64512
Ion Ratio Lower Upper
43 100
61 13.3 10.6 15.8
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 19.625 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion: 117 Resp: 50438
Ion Ratio Lower Upper
117 100
119 94.6 76.2 114.2
121 33.3 23.7 35.5

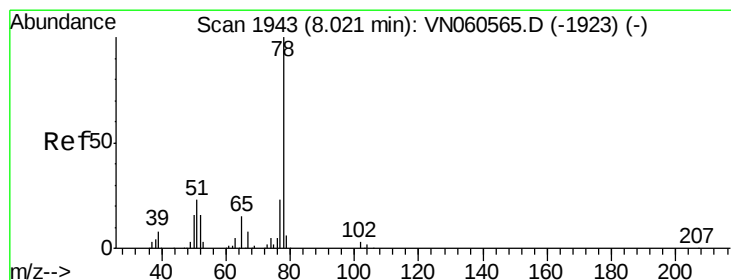
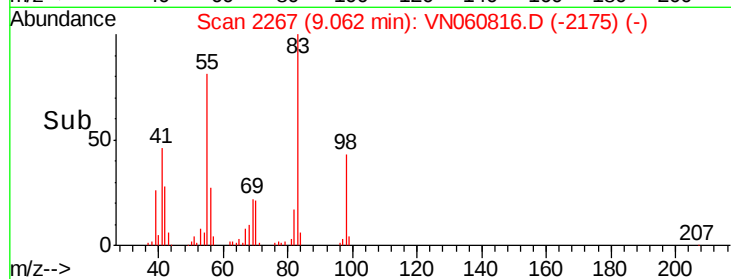
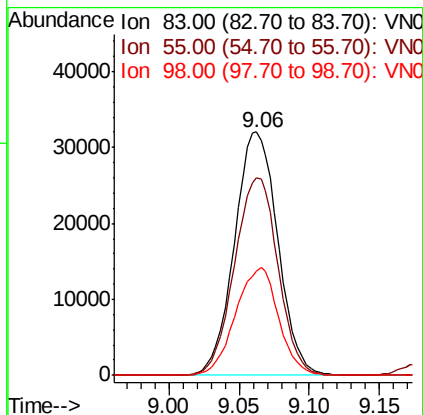
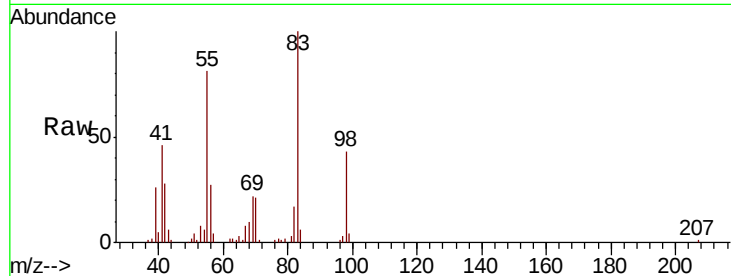




#39
Methvlcvclohexane
Concen: 20.196 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

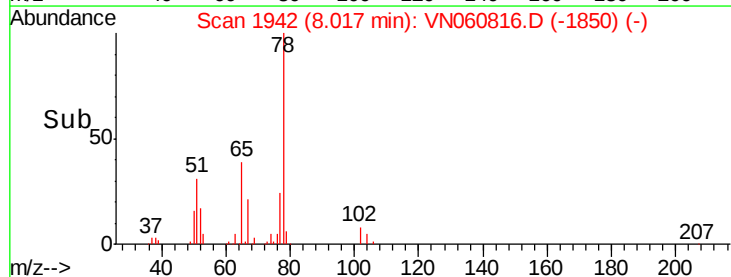
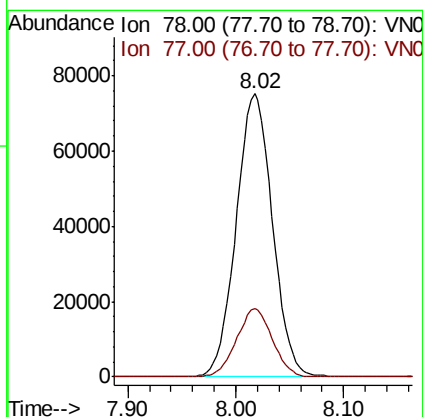
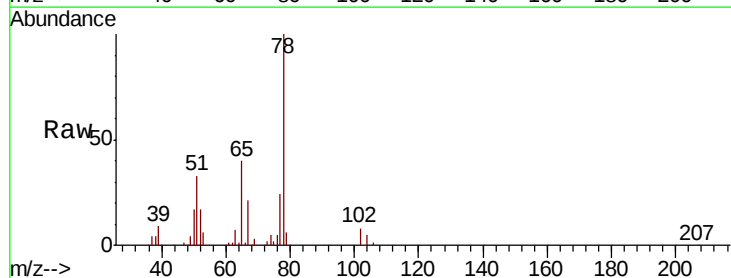
Instrument :
MSVOA_N
ClientSampled :

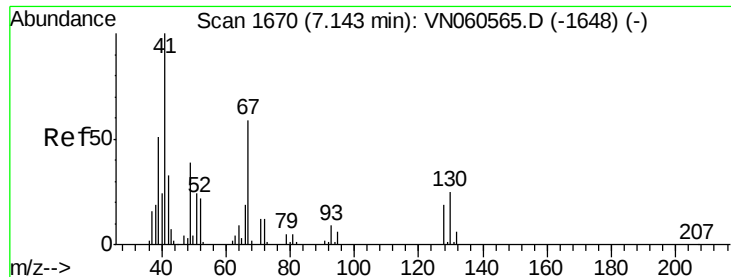
Tot Ion: 83 Resp: 68824
Ion Ratio Lower Upper
83 100
55 81.3 63.6 95.4
98 42.9 36.0 54.0



#40
Benzene
Concen: 20.332 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion: 78 Resp: 176008
Ion Ratio Lower Upper
78 100
77 24.3 18.6 28.0

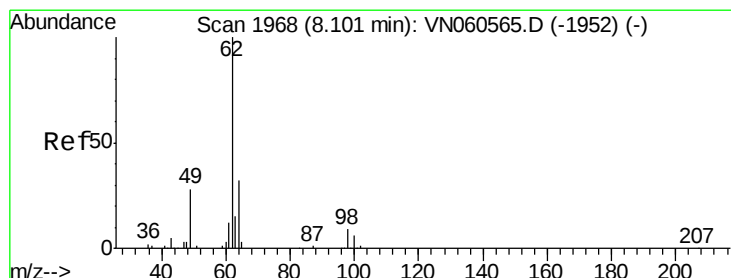
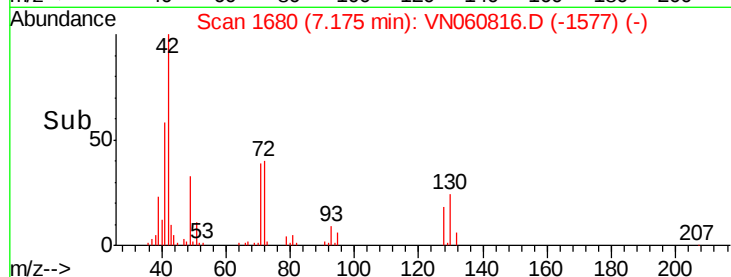
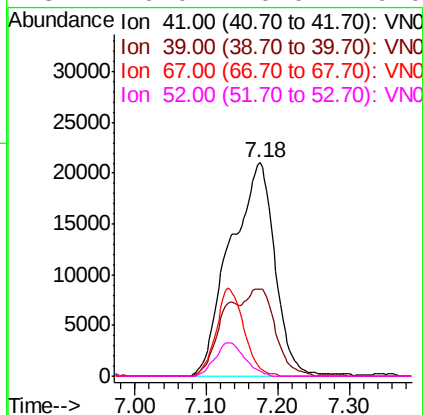
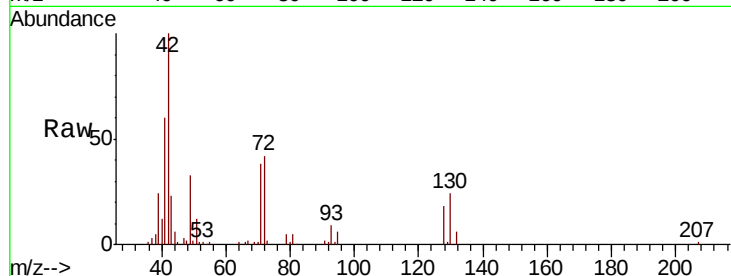




#41
Methacrylonitrile
Concen: 68.980 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

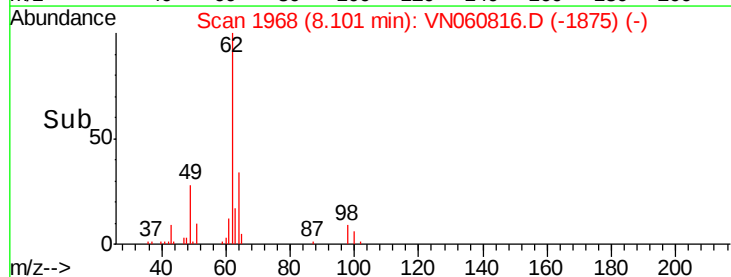
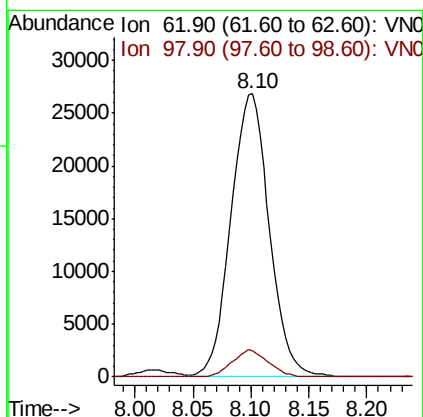
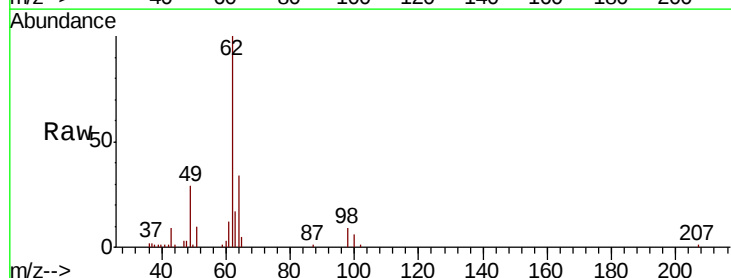
Instrument :
MSVOA_N
ClientSampleId :

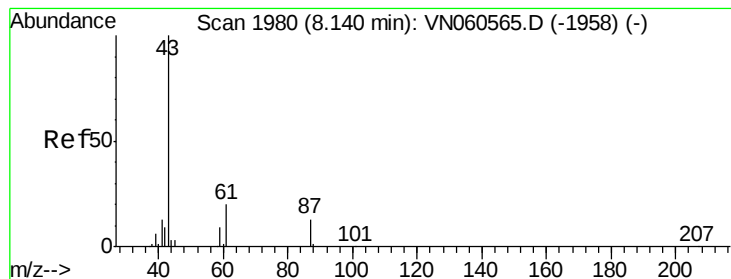
Tot Ion:	41	Resp:	91217
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.833 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion:	62	Resp:	61632
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 20.814 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

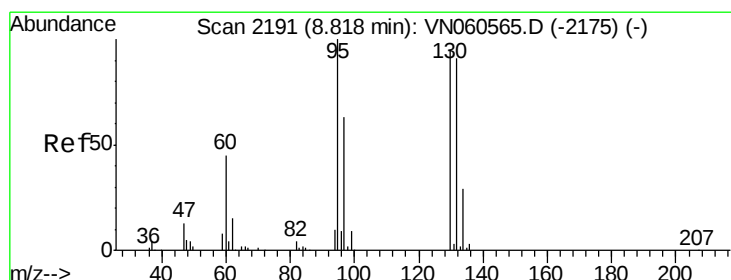
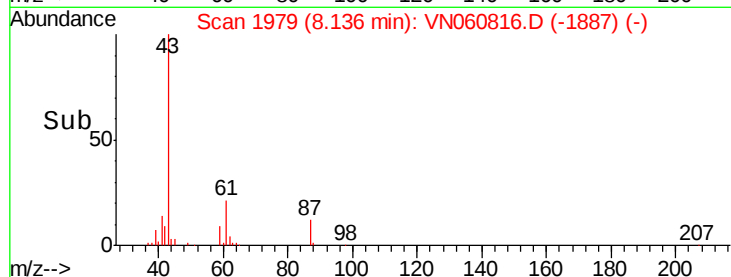
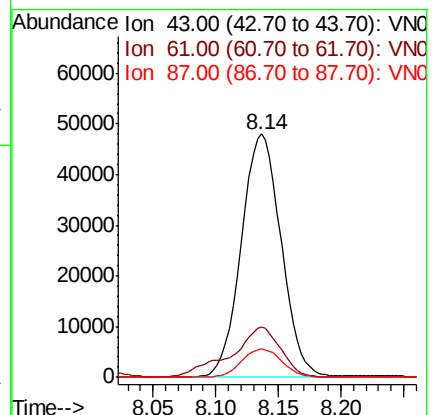
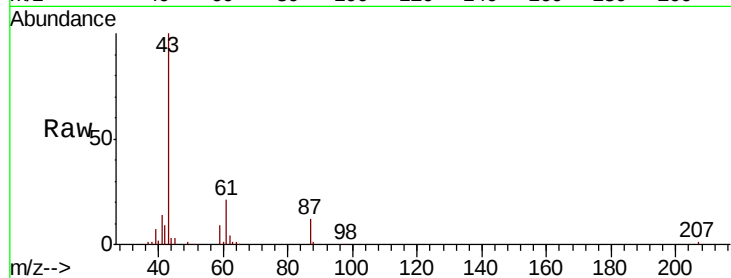
Tot Ion: 43 Resp: 106359

Ion Ratio Lower Upper

43 100

61 25.7 20.7 31.1

87 11.7 9.8 14.8



#44

Trichloroethene

Concen: 20.205 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060816.D

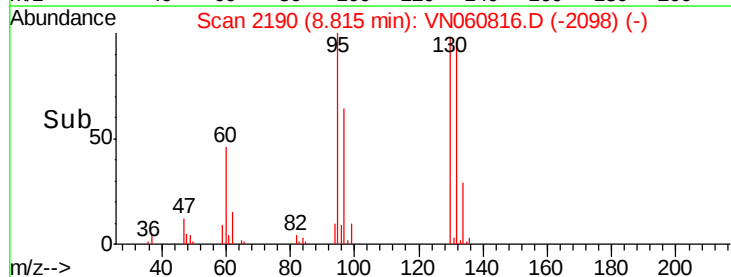
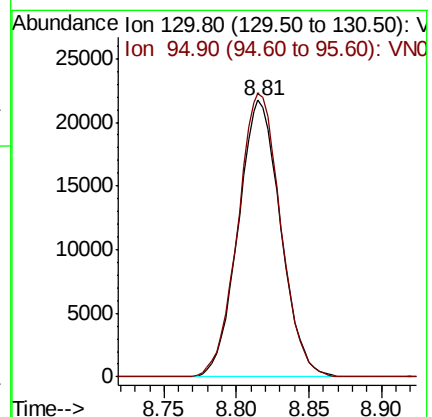
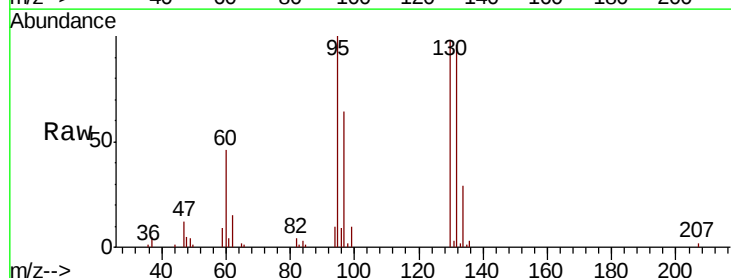
Acq: 2 Apr 2020 12:22

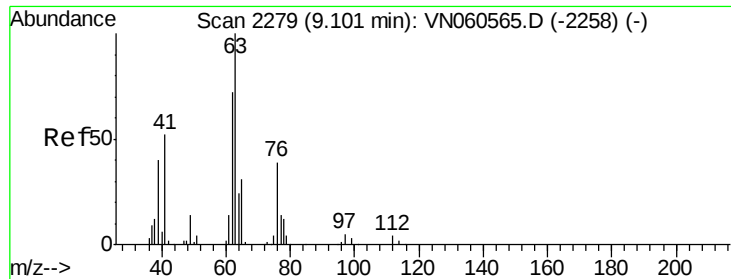
Tgt Ion:130 Resp: 44093

Ion Ratio Lower Upper

130 100

95 102.2 0.0 211.2





#45

1,2-Dichloropropane

Concen: 21.337 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

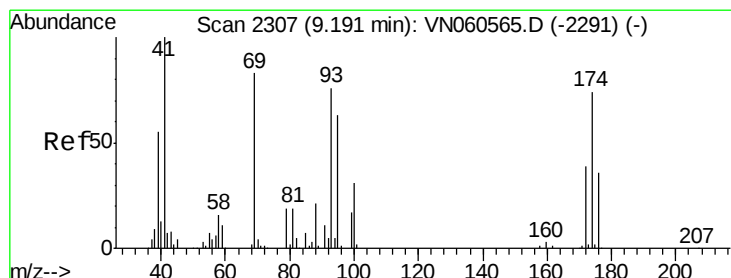
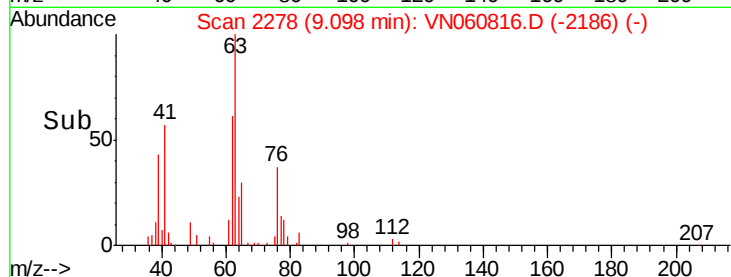
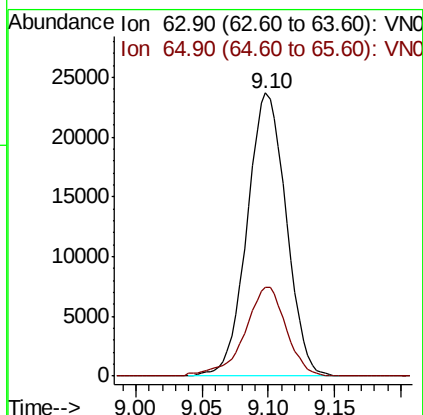
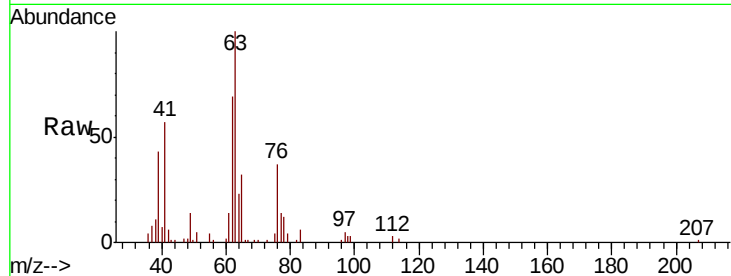
ClientSampled :

Tot Ion: 63 Resp: 48739

Ion Ratio Lower Upper

63 100

65 31.5 25.4 38.0



#46

Dibromomethane

Concen: 20.974 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

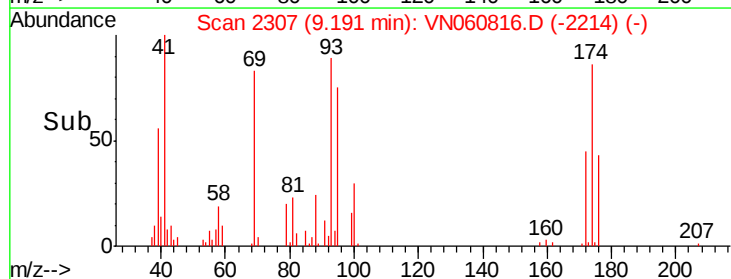
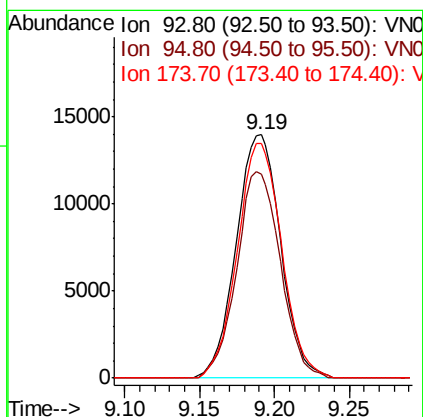
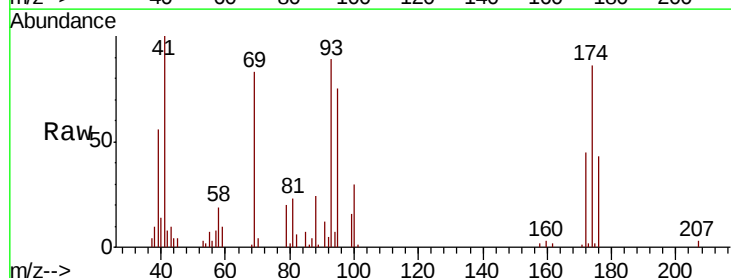
Tgt Ion: 93 Resp: 28964

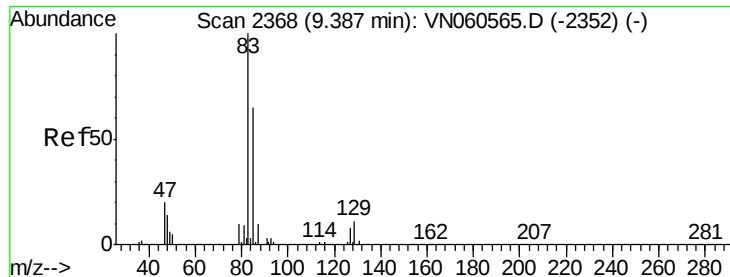
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 95.9 77.9 116.9





#47

Bromodichloromethane

Concen: 20.801 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

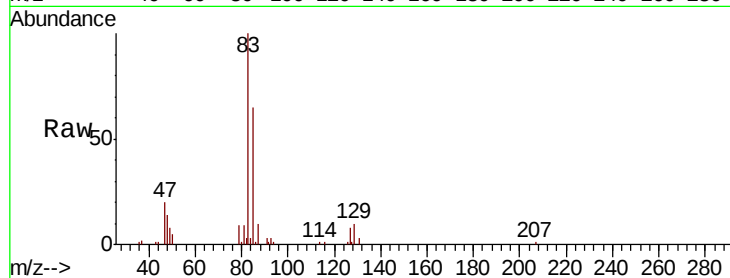
Tot Ion: 83 Resp: 59691

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.6

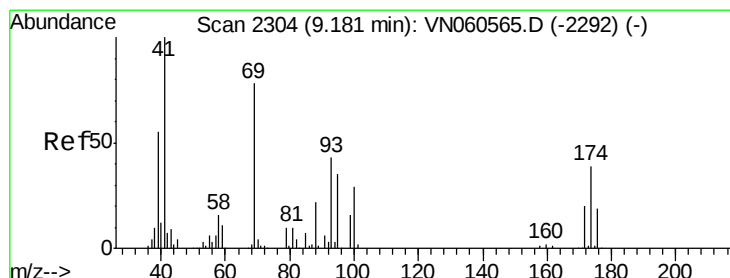
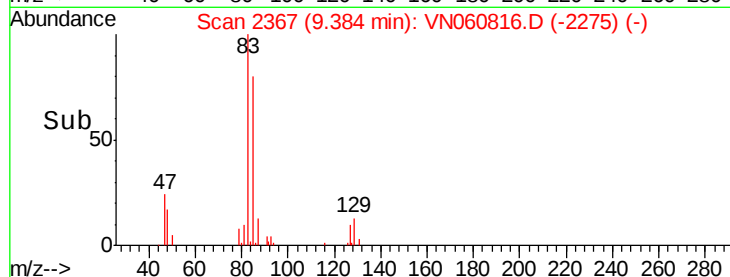
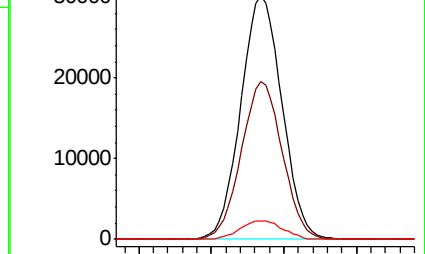
127 7.7 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060816.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060816.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060816.D (-2275) (-)



#48

Methyl methacrylate

Concen: 19.839 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

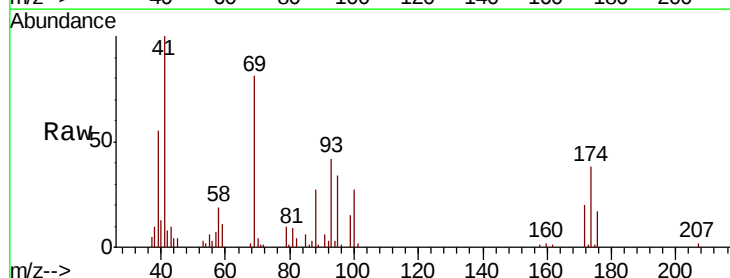
Tgt Ion: 41 Resp: 45137

Ion Ratio Lower Upper

41 100

69 81.9 65.4 98.0

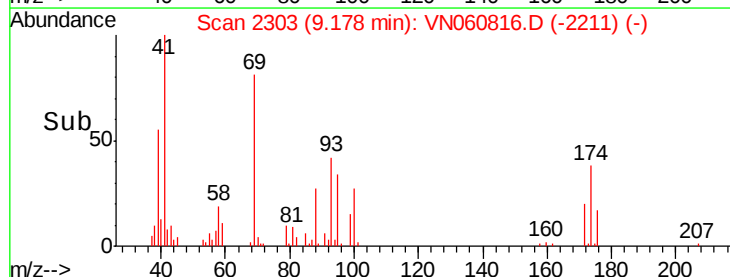
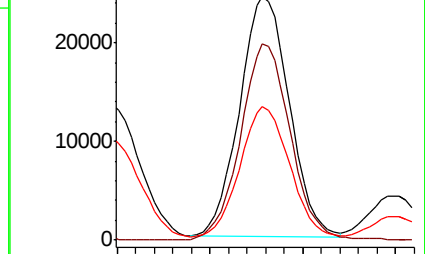
39 57.2 44.0 66.0

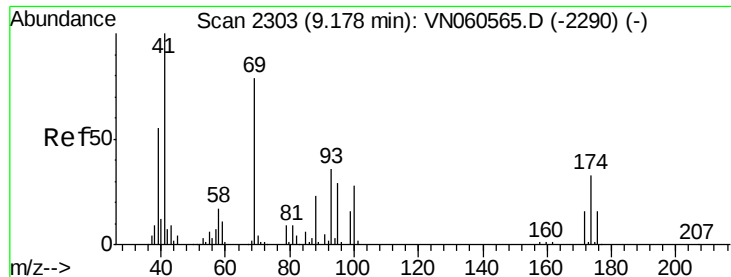


Abundance Ion 41.00 (40.70 to 41.70): VN060816.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060816.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060816.D (-2211) (-)

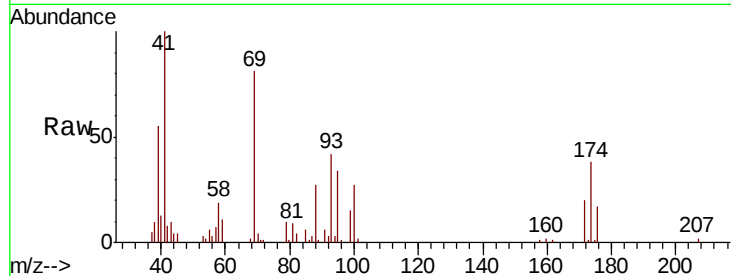




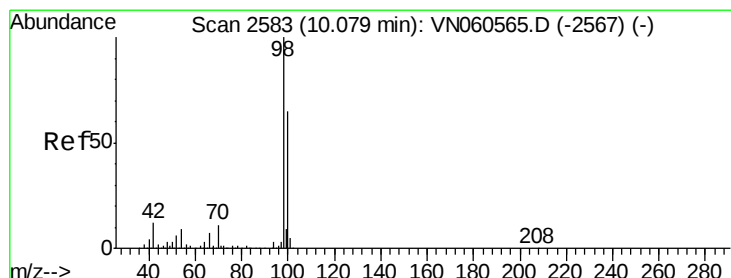
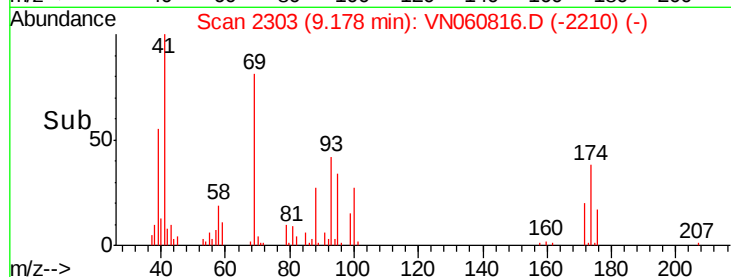
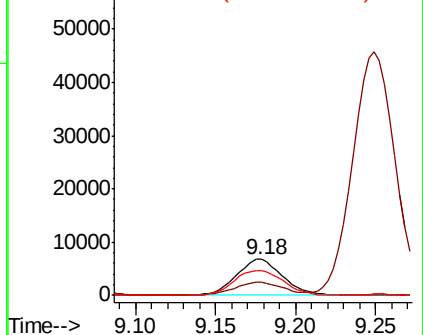
#49
 1,4-Dioxane
 Concen: 493.697 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 13351
 Ion Ratio Lower Upper
 88 100
 43 38.9 30.8 46.2
 58 73.3 59.8 89.8

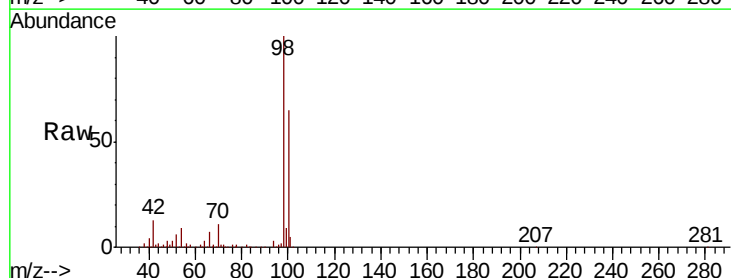


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

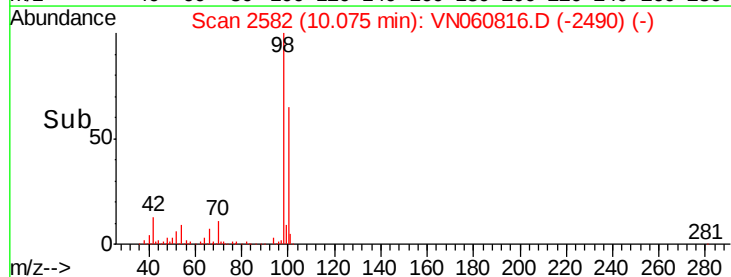
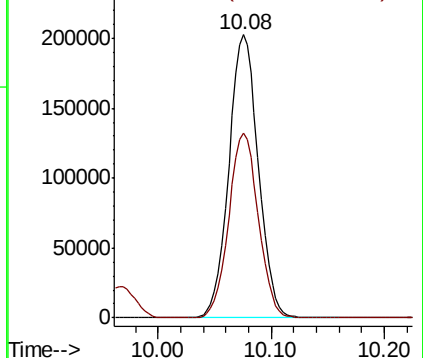


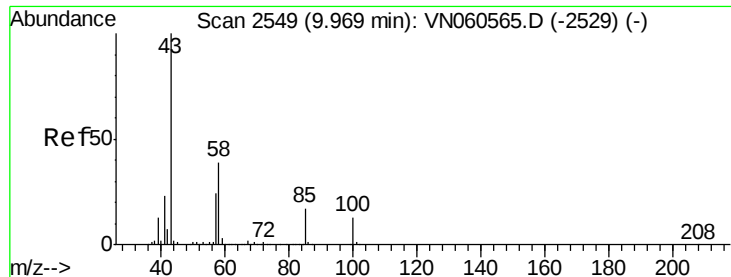
#50
 Toluene-d8
 Concen: 50.140 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Tgt Ion: 98 Resp: 366741
 Ion Ratio Lower Upper
 98 100
 100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 105.913 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

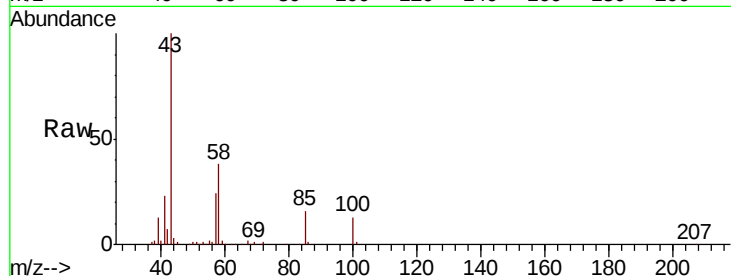
ClientSampleId :

Tot Ion: 43 Resp: 307980

Ion Ratio Lower Upper

43 100

58 38.1 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

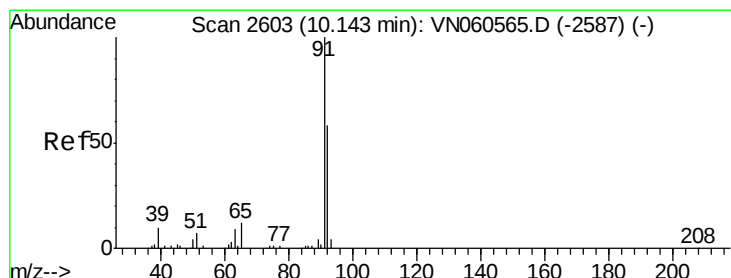
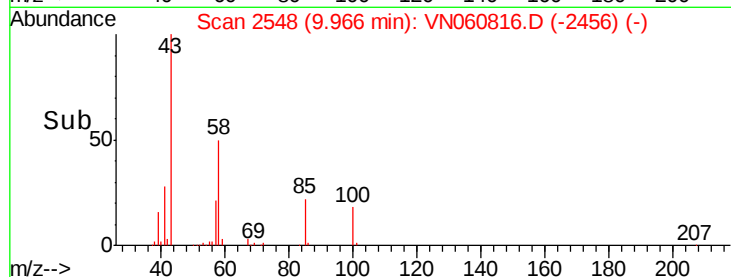
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.169 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060816.D

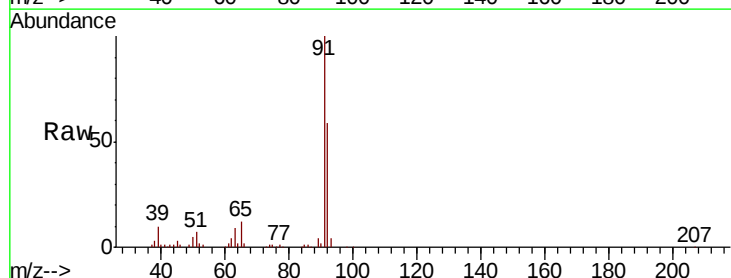
Acq: 2 Apr 2020 12:22

Tgt Ion: 92 Resp: 105445

Ion Ratio Lower Upper

92 100

91 171.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

100000

80000

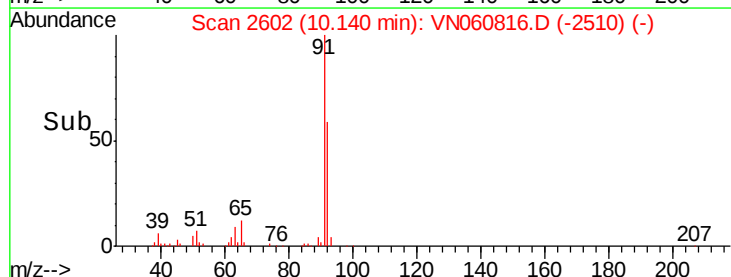
60000

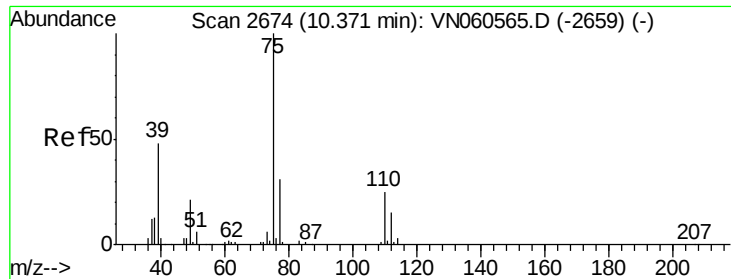
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.268 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

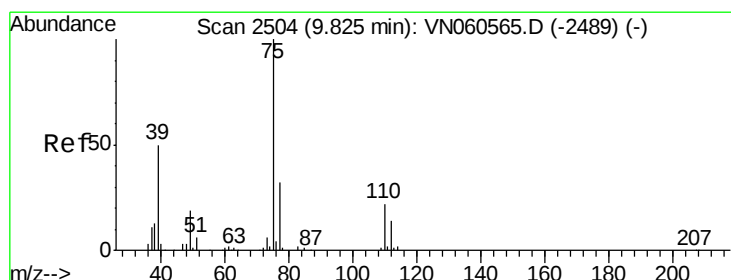
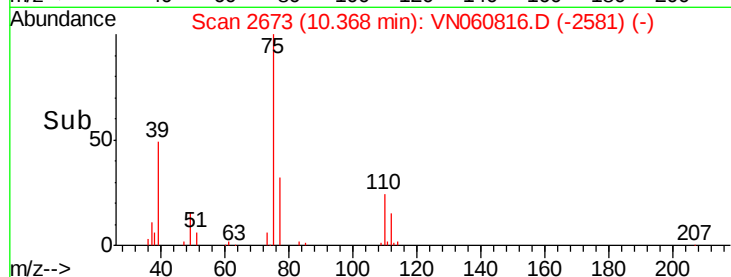
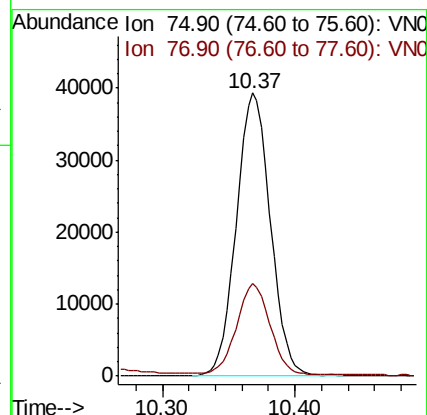
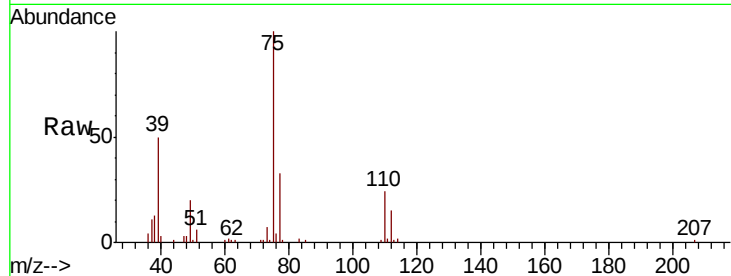
ClientSampled :

Tot Ion: 75 Resp: 70104

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.678 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

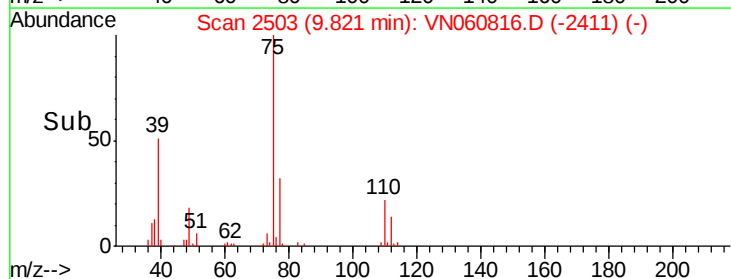
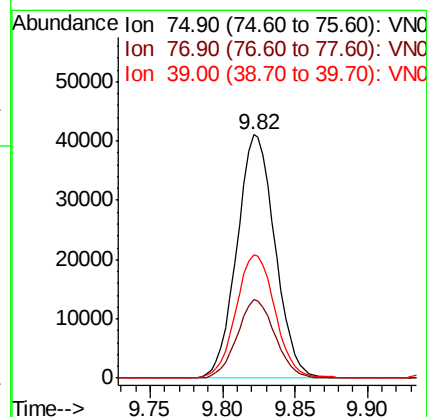
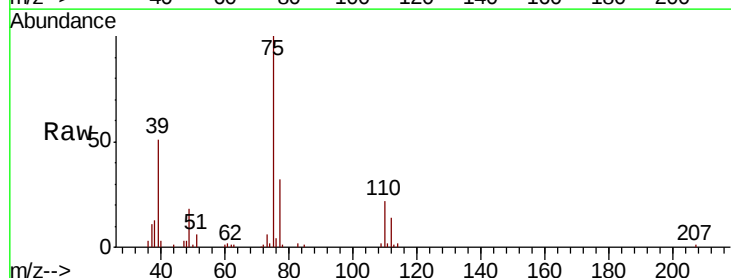
Tgt Ion: 75 Resp: 74777

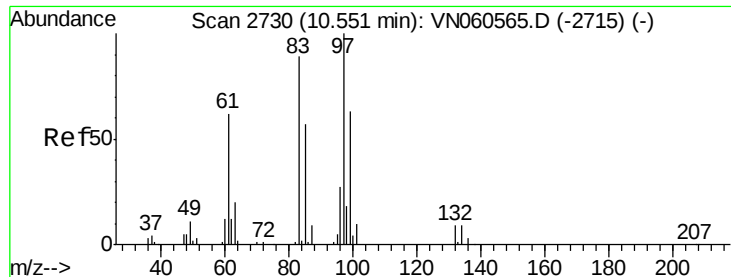
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 50.5 40.2 60.4

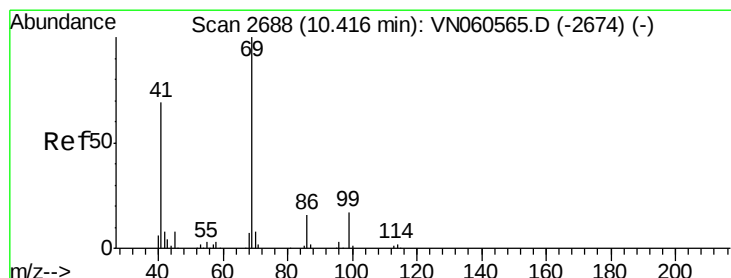
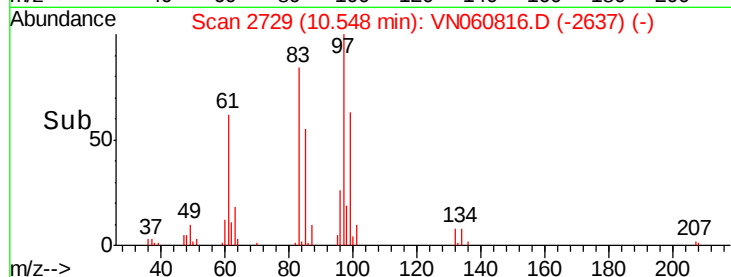
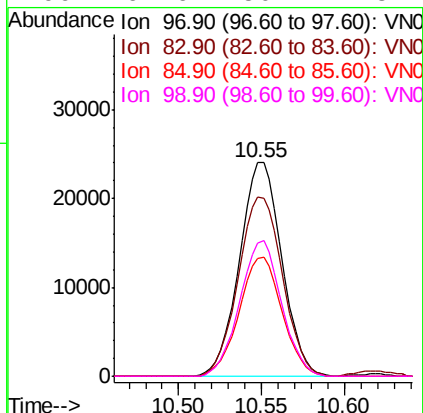
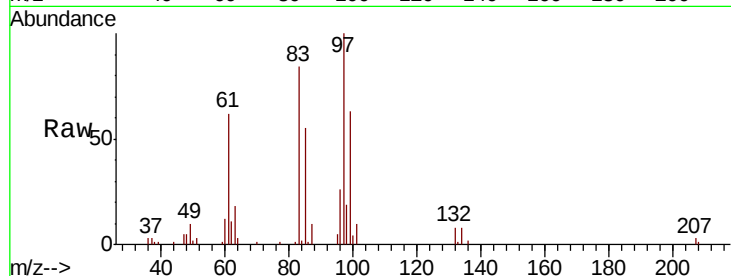




#55
 1,1,2-Trichloroethane
 Concen: 21.231 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

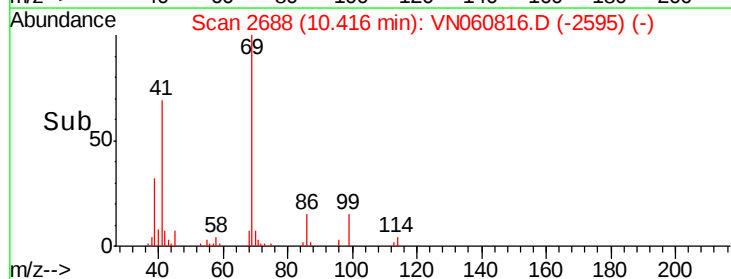
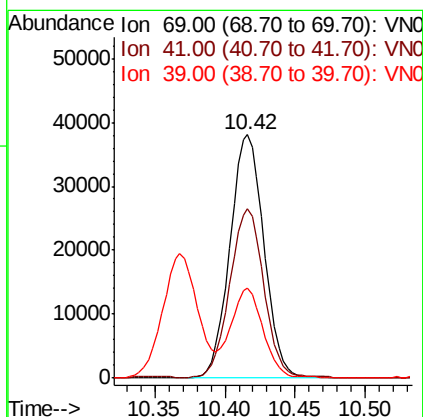
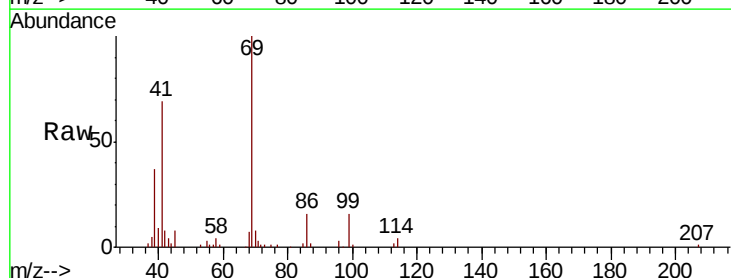
Instrument :
 MSVOA_N
 ClientSampleId :

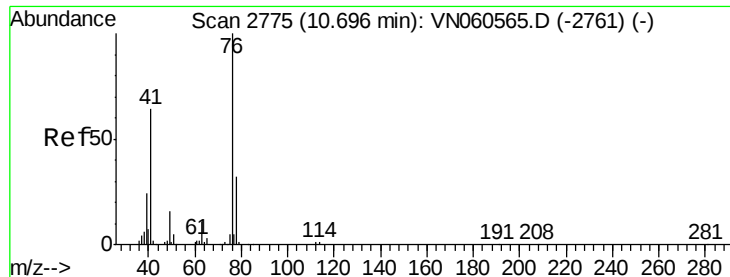
Tot Ion:	97	Resp:	42701
Ion	Ratio	Lower	Upper
97	100		
83	83.7	71.3	106.9
85	55.3	45.2	67.8
99	62.6	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 20.508 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Tgt Ion:	69	Resp:	64315
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.4	83.2
39	35.6	29.4	44.0





#57

1,3-Dichloropropane

Concen: 21.250 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

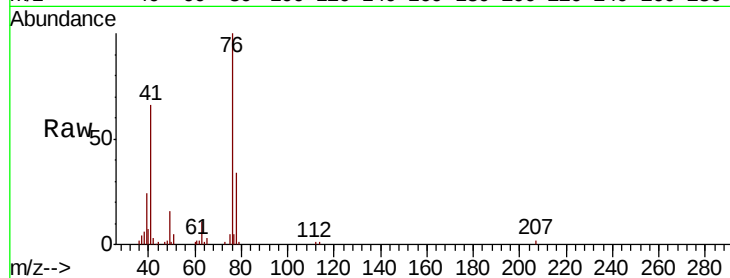
ClientSampleId :

Tot Ion: 76 Resp: 74168

Ion Ratio Lower Upper

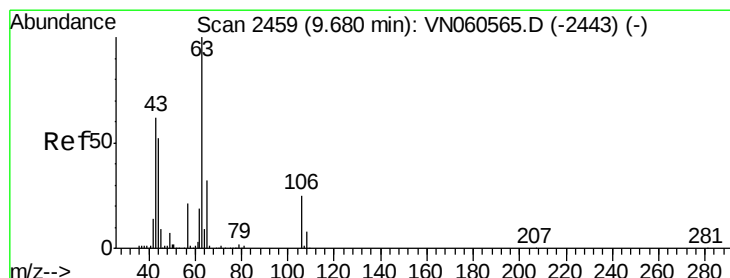
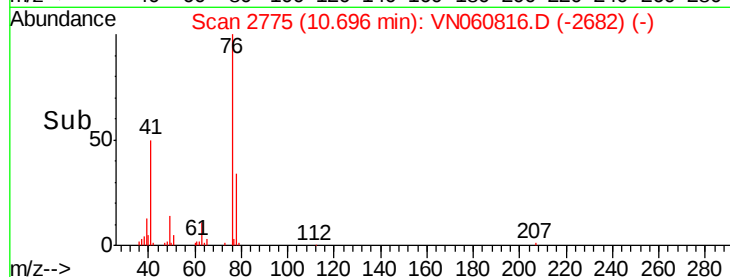
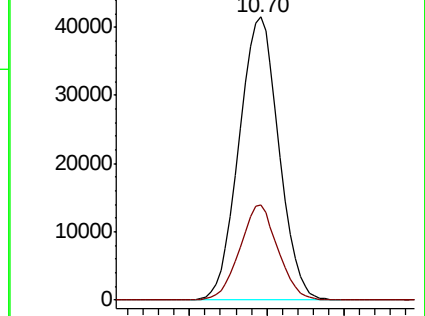
76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060816.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060816.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 89.127 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060816.D

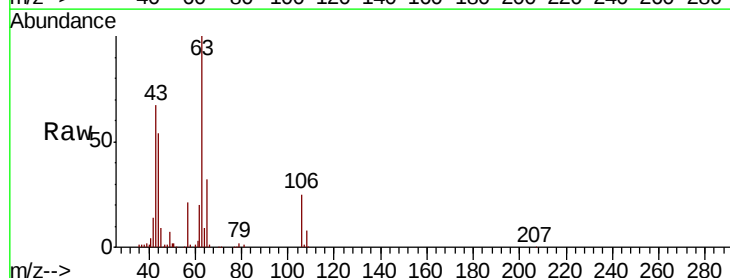
Acq: 2 Apr 2020 12:22

Tgt Ion: 63 Resp: 138919

Ion Ratio Lower Upper

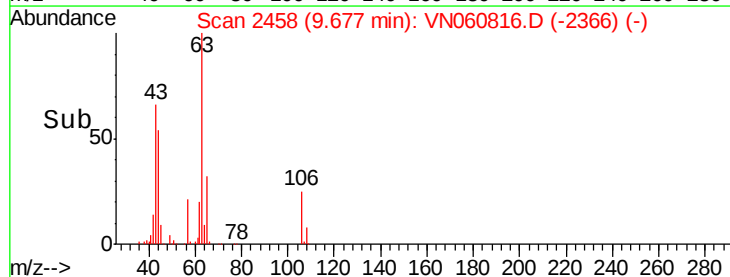
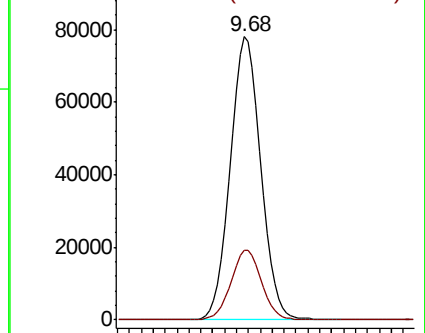
63 100

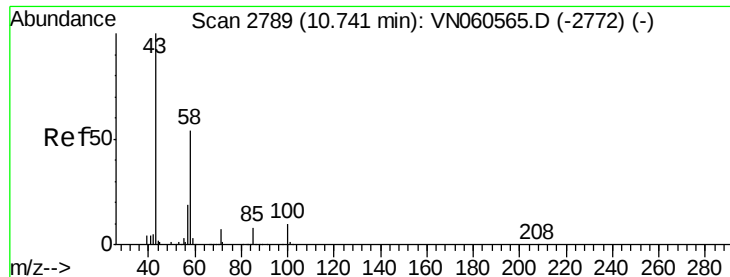
106 24.7 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060816.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060816.D (-2366) (-)

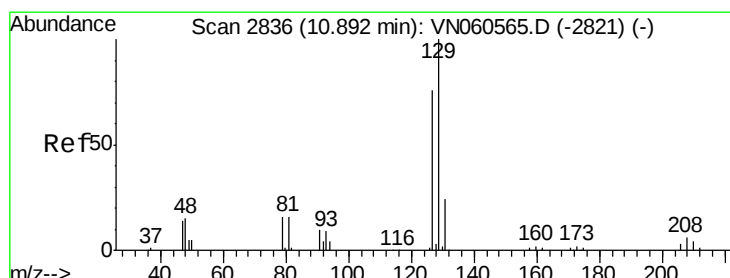
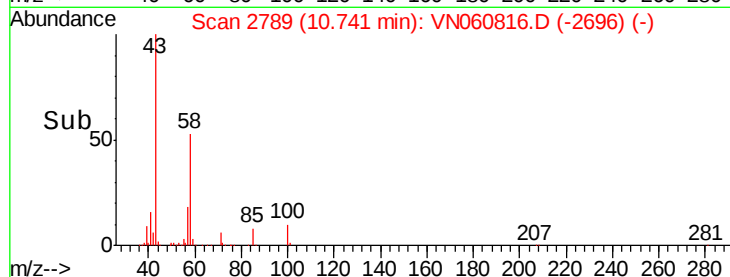
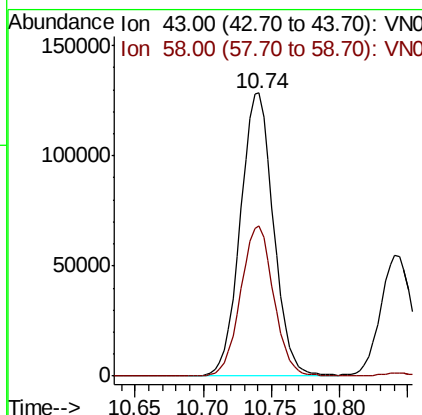
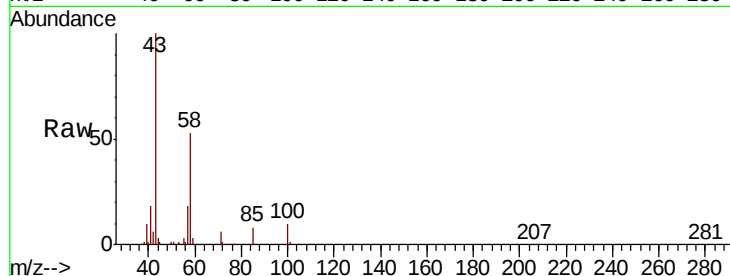




#59
2-Hexanone
Concen: 103.685 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

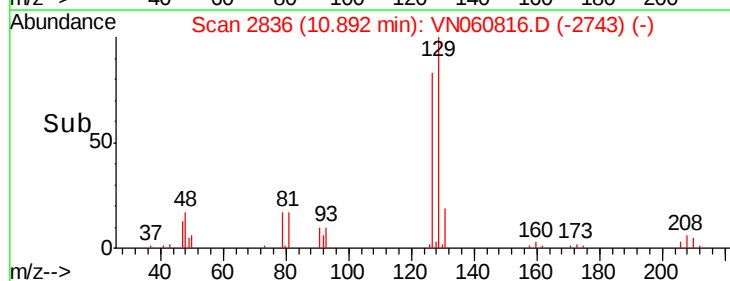
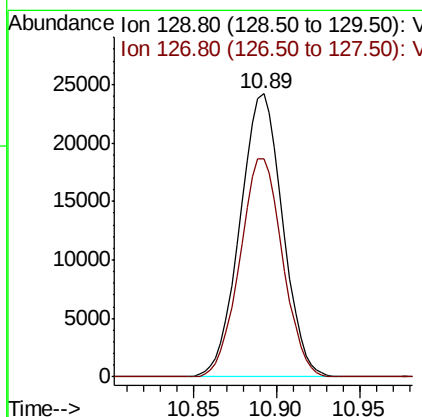
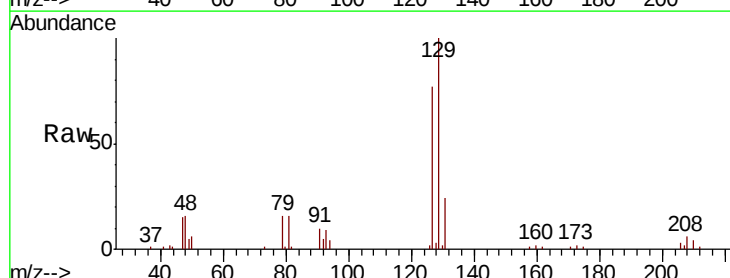
Instrument :
MSVOA_N
ClientSampled :

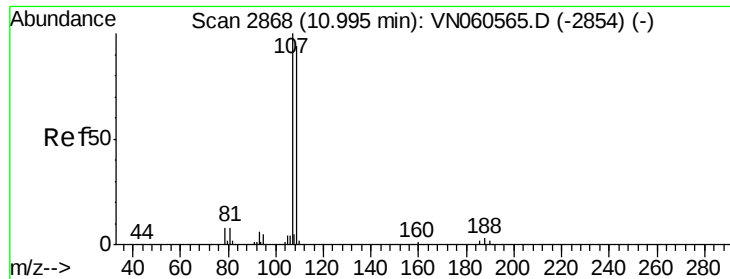
Tot Ion: 43 Resp: 217187
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.1



#60
Dibromochloromethane
Concen: 20.842 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion:129 Resp: 43300
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5

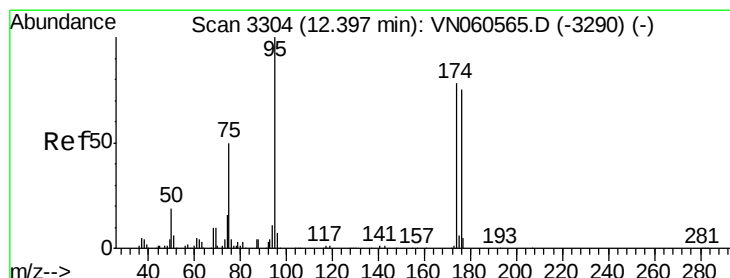
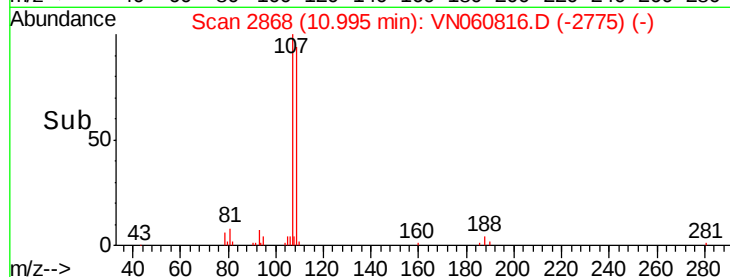
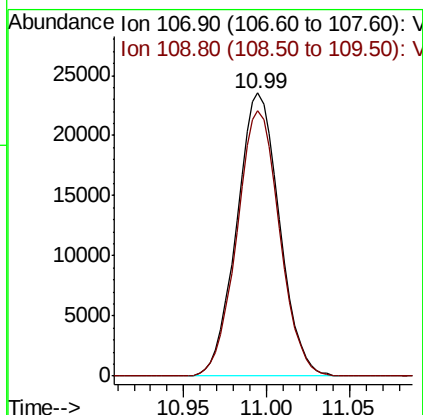
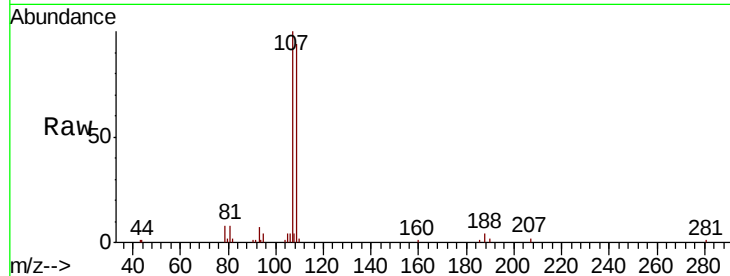




#61
 1,2-Dibromoethane
 Concen: 20.839 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

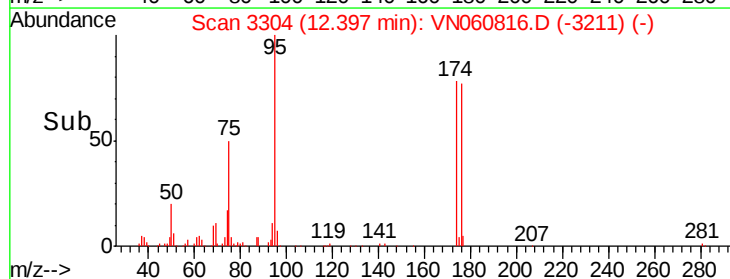
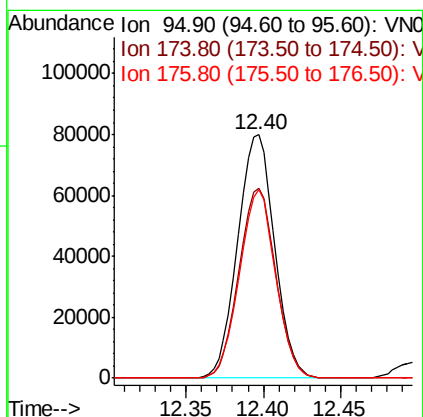
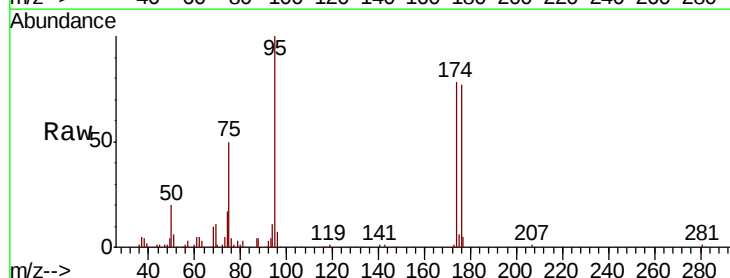
Instrument :
 MSVOA_N
 ClientSampled :

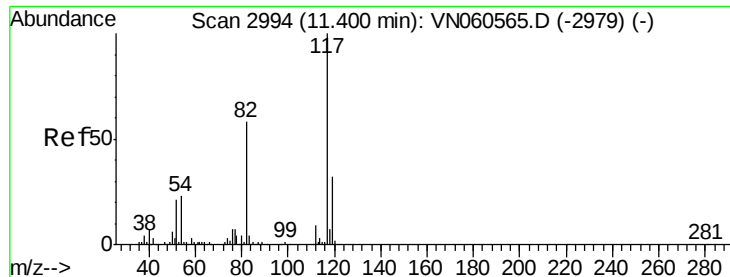
Tot Ion:107 Resp: 42147
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.581 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Tgt Ion: 95 Resp: 132908
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 157.6
 176 75.8 0.0 150.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

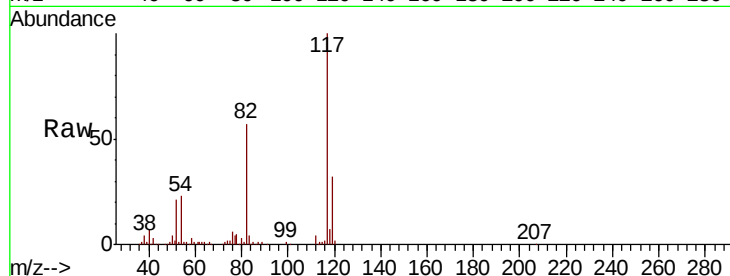
Tot Ion:117 Resp: 270901

Ion Ratio Lower Upper

117 100

82 57.0 46.7 70.1

119 31.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.40

200000

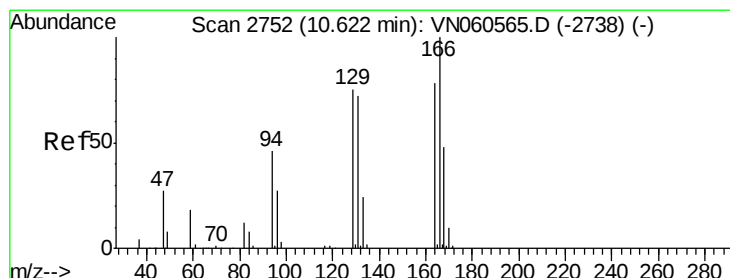
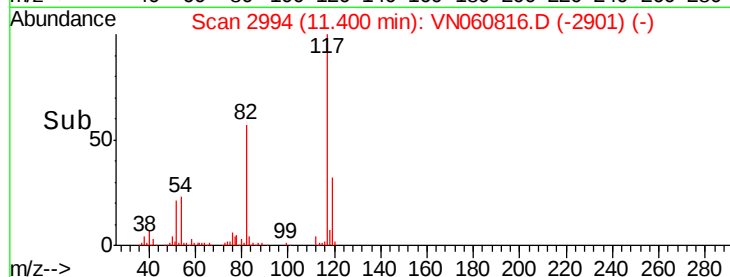
150000

100000

50000

0

Time--> 11.30 11.35 11.40 11.45



#64

Tetrachloroethene

Concen: 19.582 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Tgt Ion:164 Resp: 41745

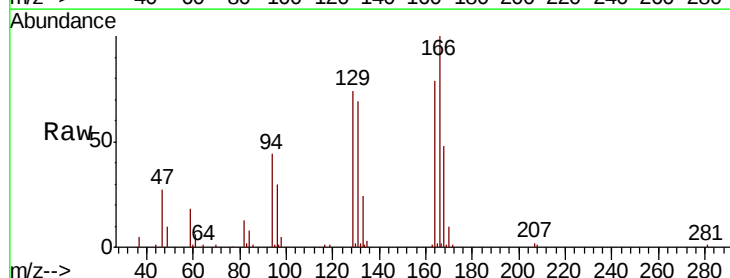
Ion Ratio Lower Upper

164 100

166 127.0 102.7 154.1

129 94.6 77.2 115.8

131 88.1 73.8 110.6



Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

10.62

40000

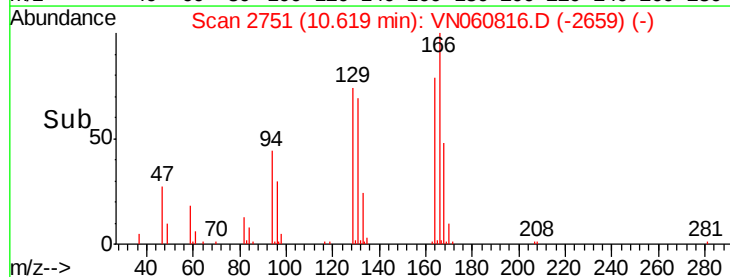
30000

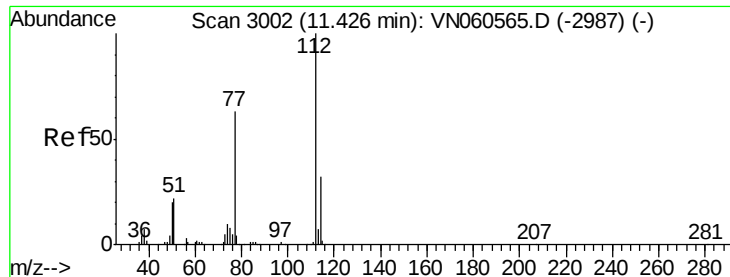
20000

10000

0

Time--> 10.55 10.60 10.65

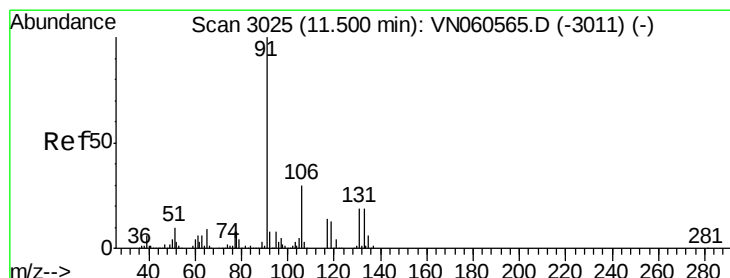
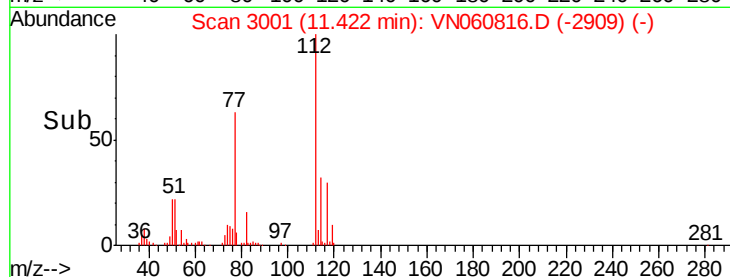
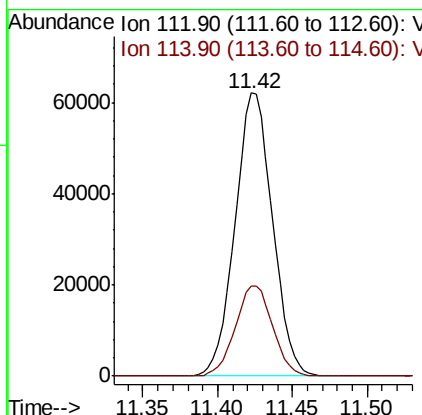
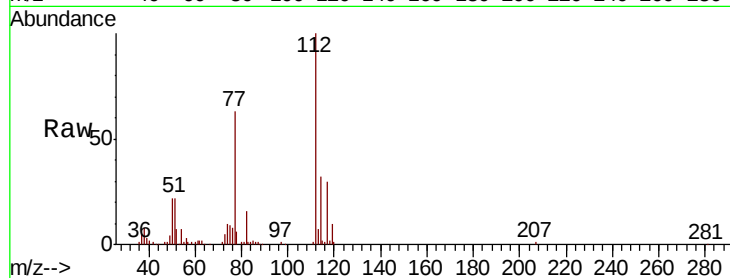




#65
Chlorobenzene
Concen: 20.155 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

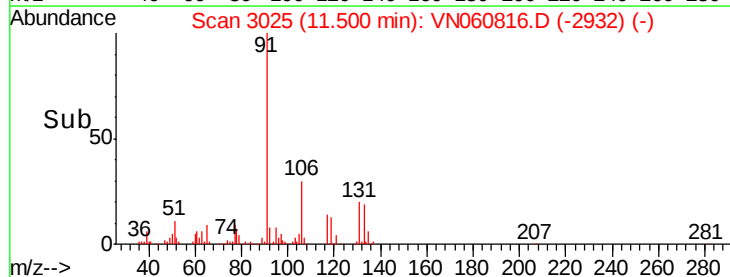
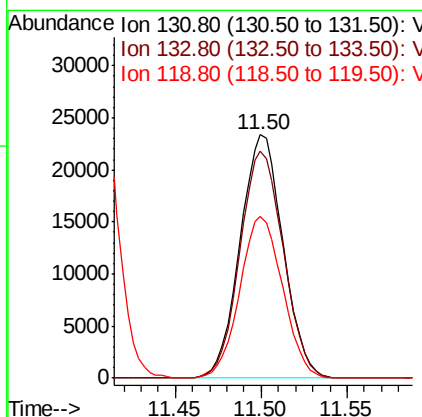
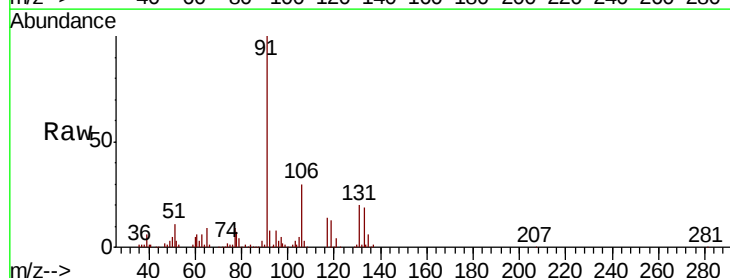
Instrument :
MSVOA_N
ClientSampleId :

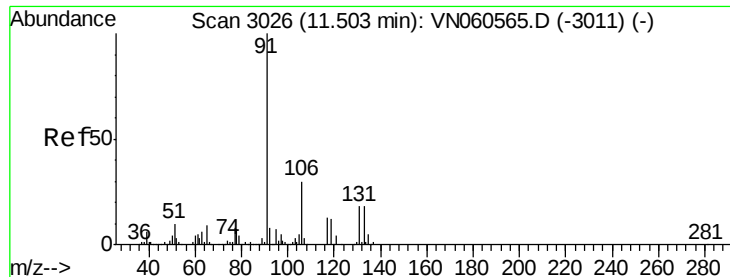
Tot Ion:112 Resp: 108237
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.829 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion:131 Resp: 40501
Ion Ratio Lower Upper
131 100
133 94.3 48.9 146.8
119 66.3 33.9 101.7





#67

Ethyl Benzene

Concen: 20.298 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

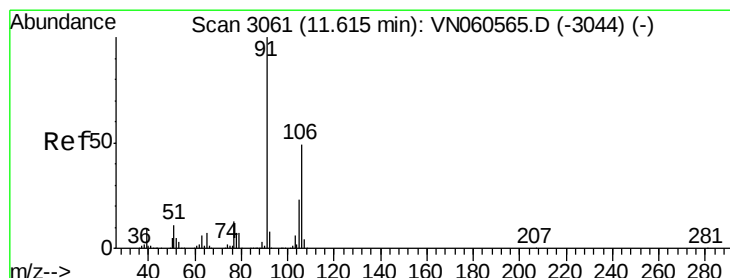
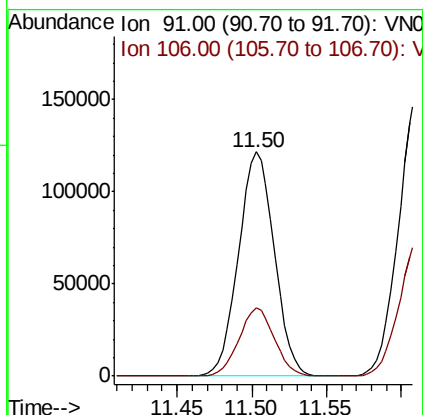
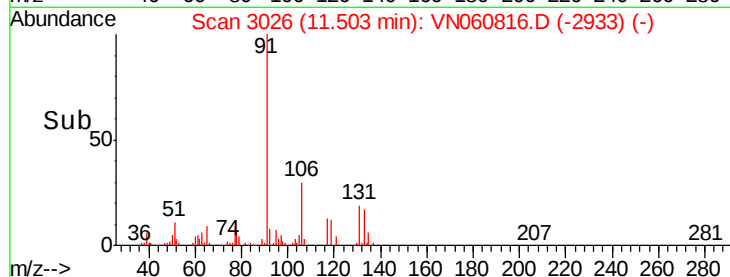
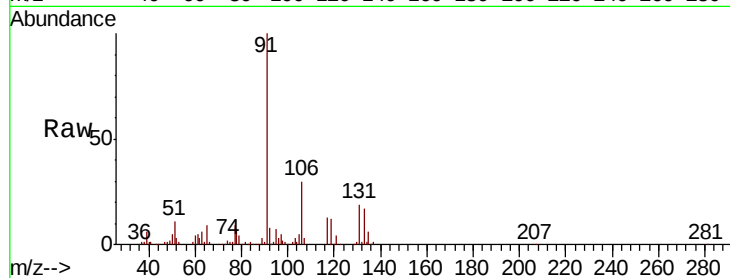
ClientSampled :

Tot Ion: 91 Resp: 202716

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.2



#68

m/p-Xylenes

Concen: 40.078 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060816.D

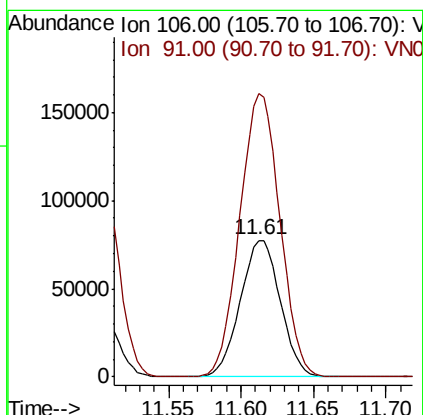
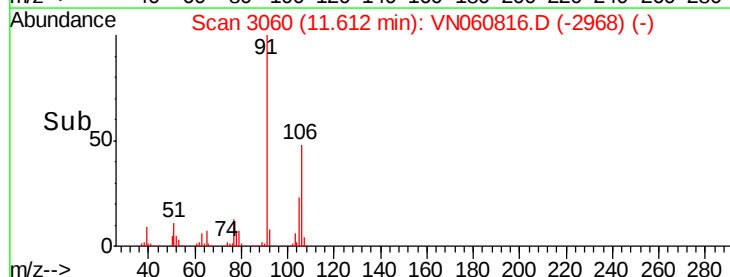
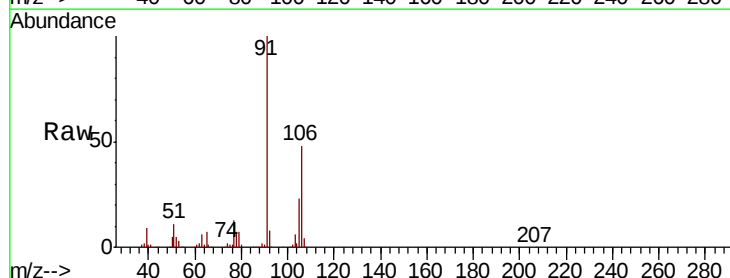
Acq: 2 Apr 2020 12:22

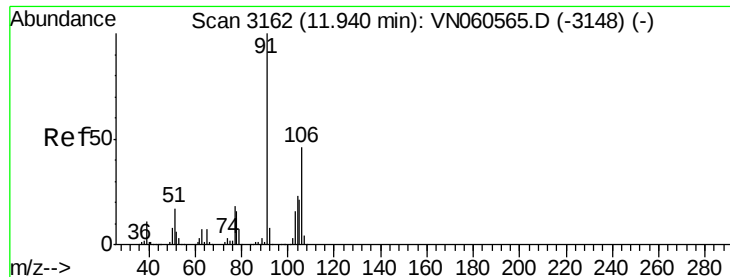
Tgt Ion: 106 Resp: 148737

Ion Ratio Lower Upper

106 100

91 208.2 165.0 247.4

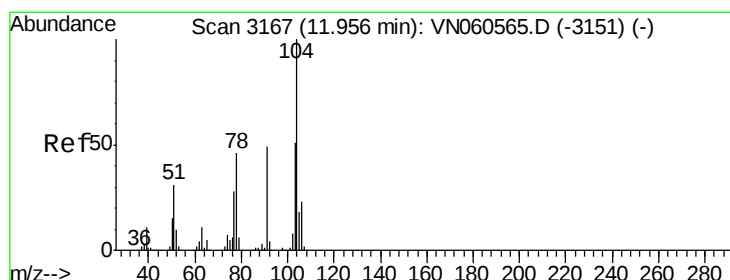
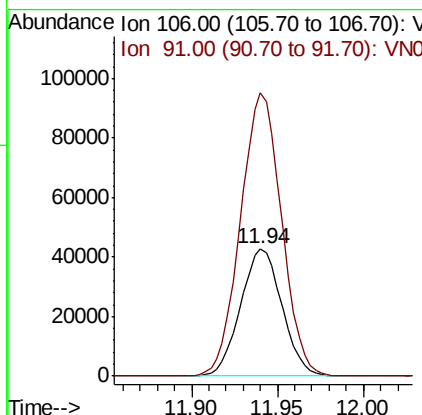
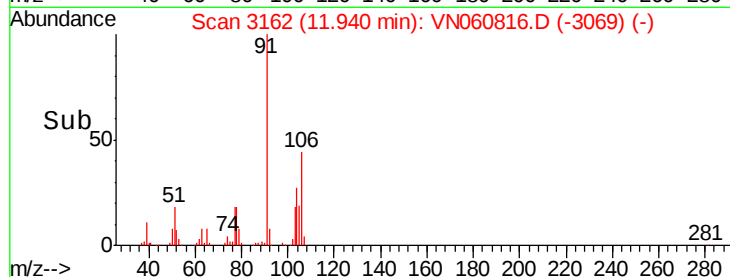
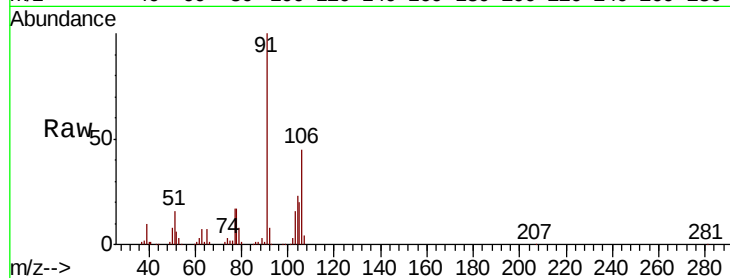




#69
o-Xylene
Concen: 20.113 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

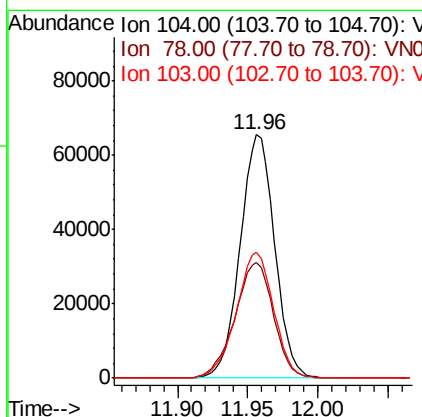
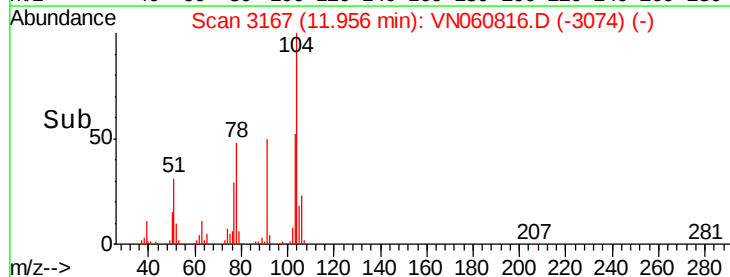
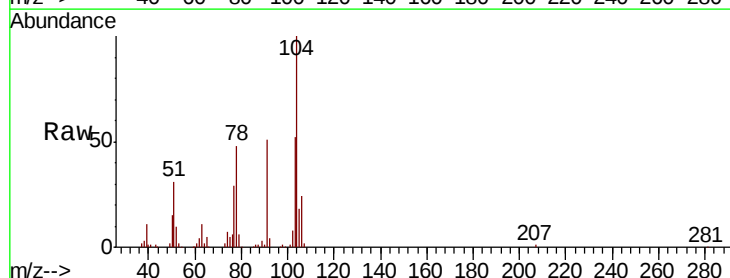
Instrument :
MSVOA_N
ClientSampled :

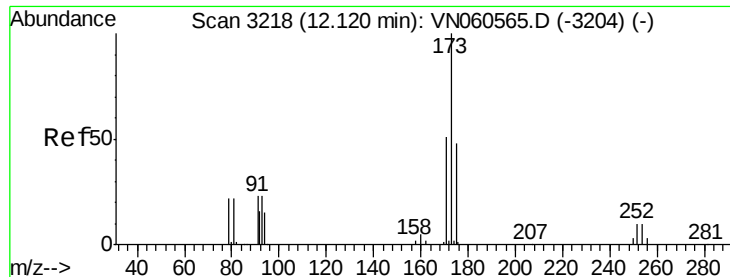
Tot Ion:106 Resp: 71255
Ion Ratio Lower Upper
106 100
91 220.9 109.5 328.4



#70
Styrene
Concen: 19.437 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion:104 Resp: 112623
Ion Ratio Lower Upper
104 100
78 52.9 41.2 61.8
103 55.7 44.0 66.0

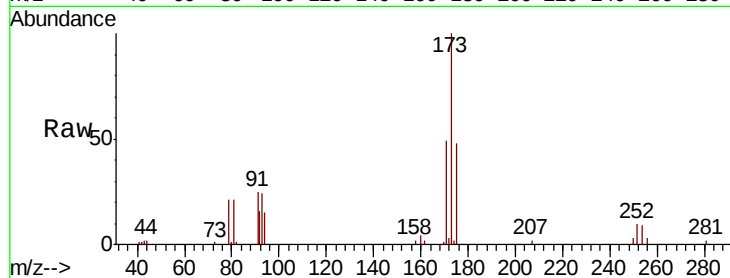




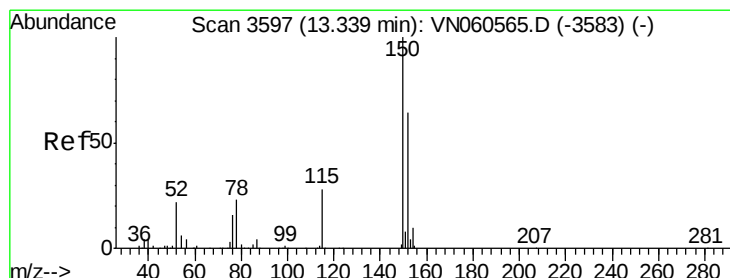
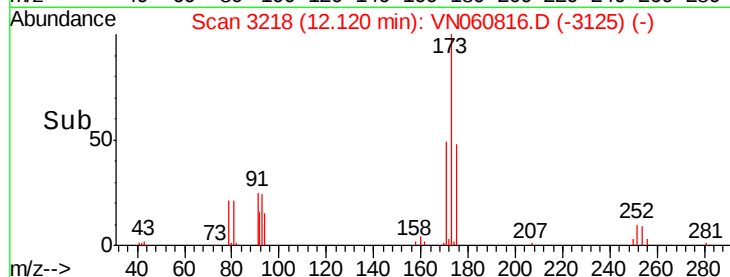
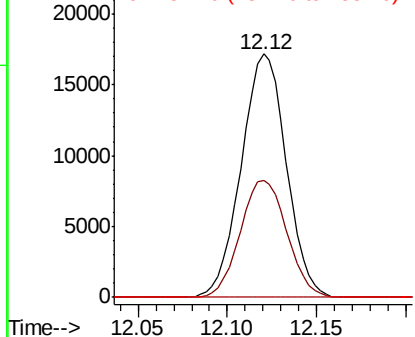
#71
Bromoform
Concen: 19.736 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 30194
Ion Ratio Lower Upper
173 100
175 49.8 24.1 72.4
254 0.0 0.0 0.0

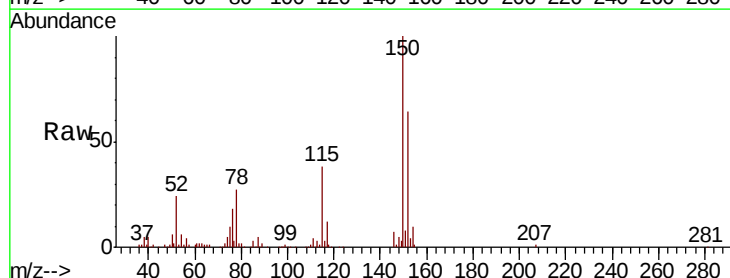


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

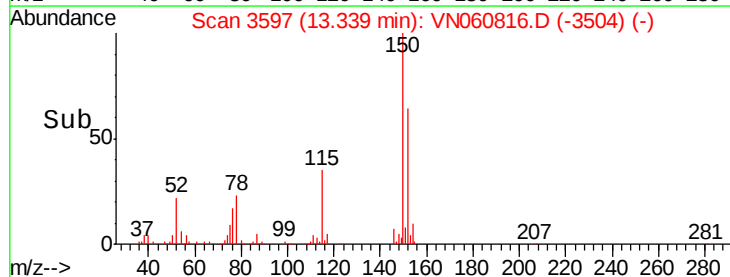
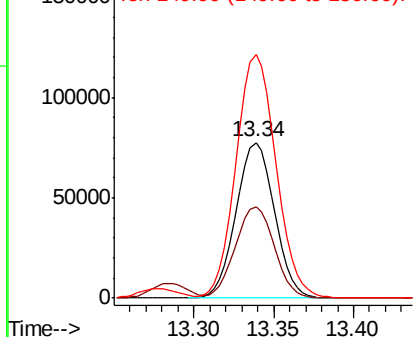


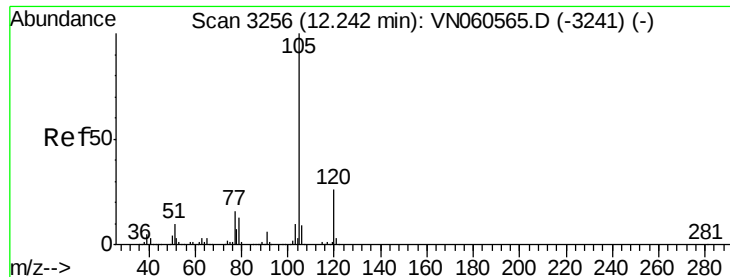
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion:152 Resp: 126715
Ion Ratio Lower Upper
152 100
115 59.8 30.2 90.6
150 164.0 0.0 350.2



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: 20.160 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

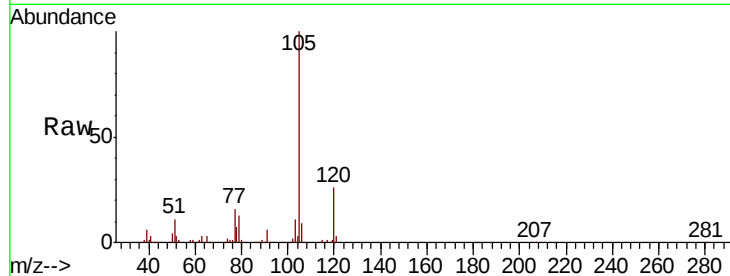
ClientSampled :

Tot Ion:105 Resp: 191710

Ion Ratio Lower Upper

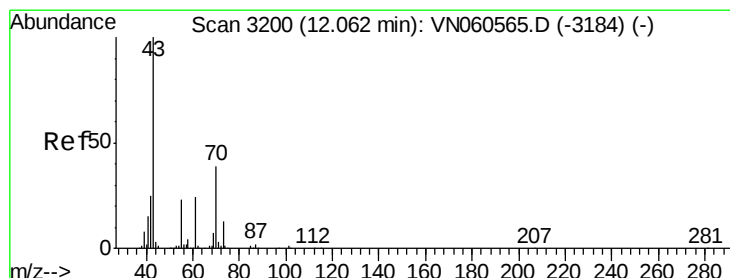
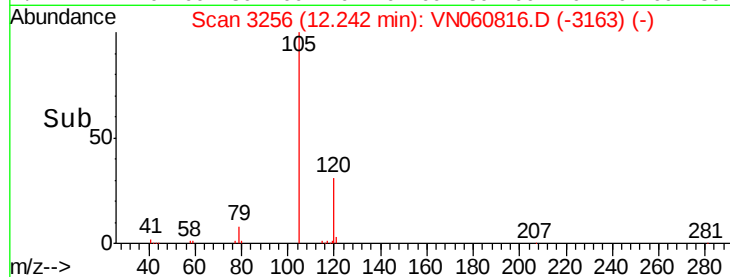
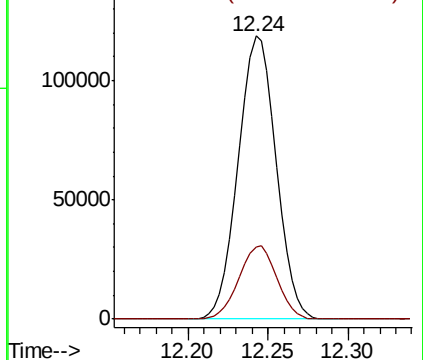
105 100

120 25.9 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.913 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Tgt Ion: 43 Resp: 87504

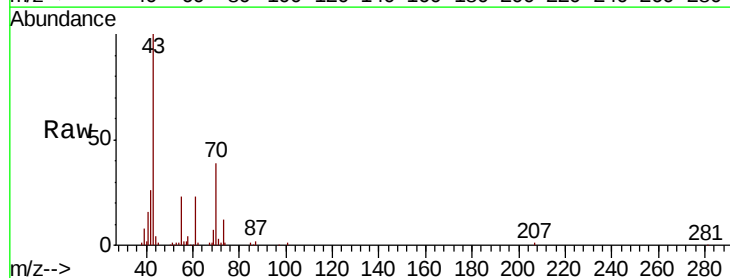
Ion Ratio Lower Upper

43 100

70 39.3 31.1 46.7

55 23.9 18.6 27.8

61 23.2 18.9 28.3

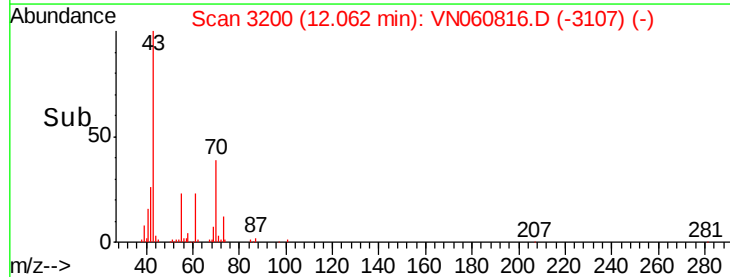
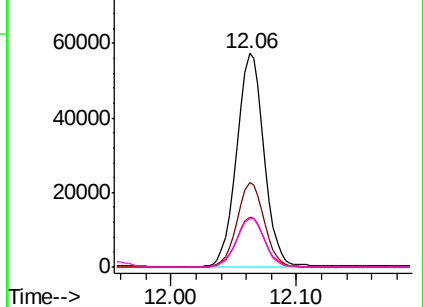


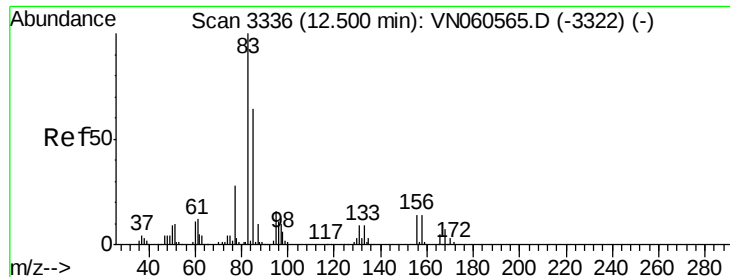
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.733 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

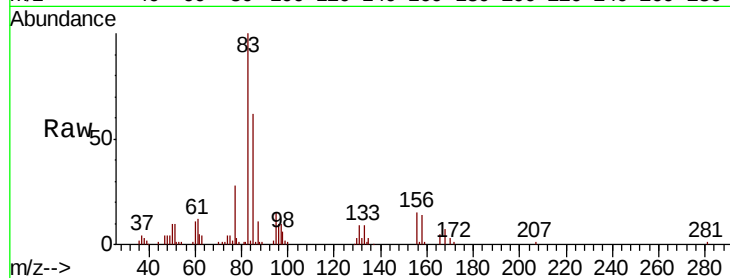
Tot Ion: 83 Resp: 59623

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

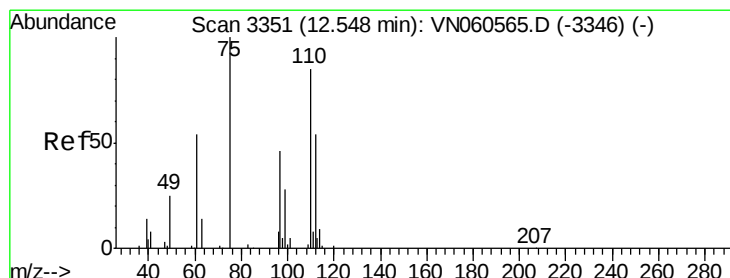
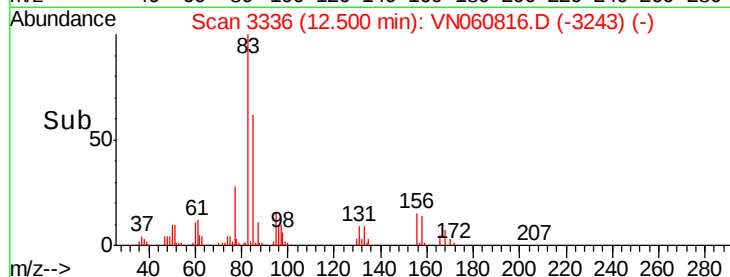
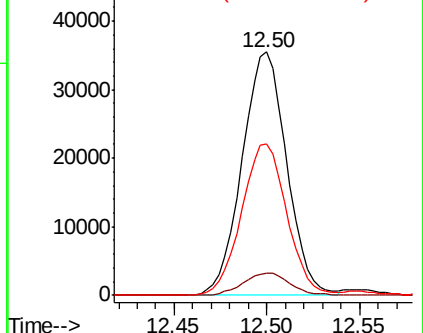
85 63.1 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060816.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060816.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060816.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 29.360 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060816.D

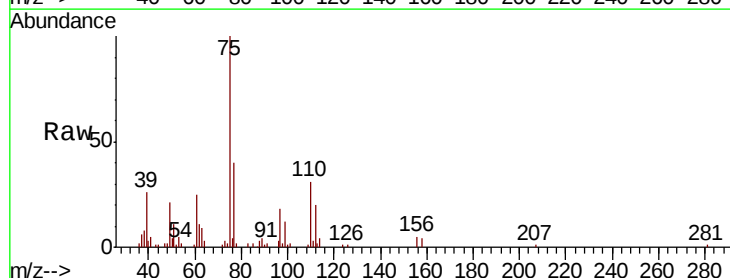
Acq: 2 Apr 2020 12:22

Tgt Ion: 75 Resp: 80278

Ion Ratio Lower Upper

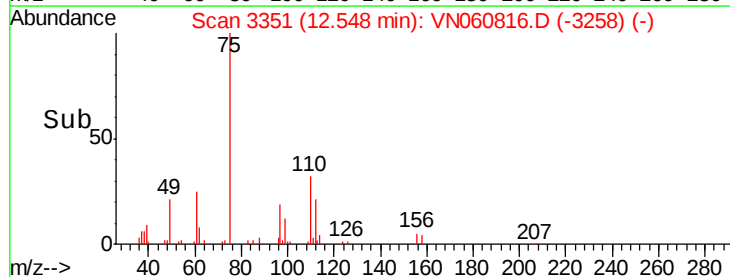
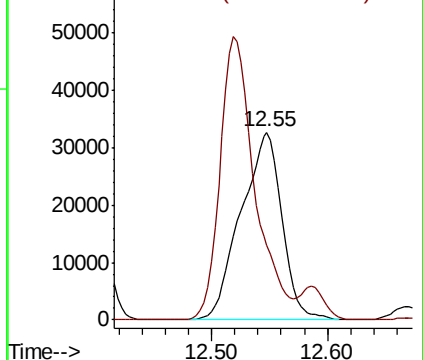
75 100

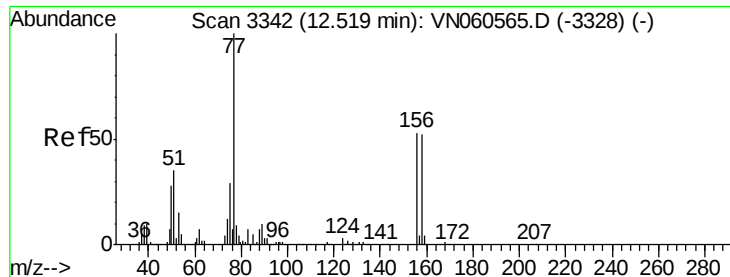
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060816.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060816.D (-3258) (-)





#77

Bromobenzene

Concen: 19.906 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

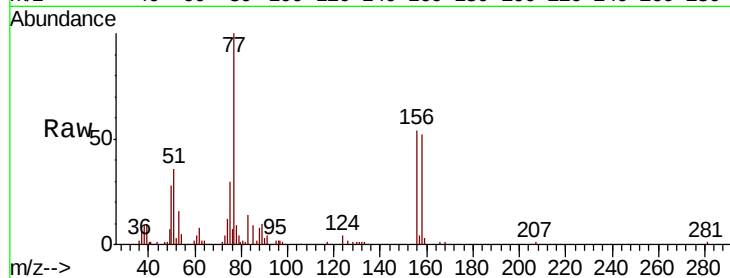
Tot Ion:156 Resp: 45613

Ion Ratio Lower Upper

156 100

77 224.6 112.3 337.0

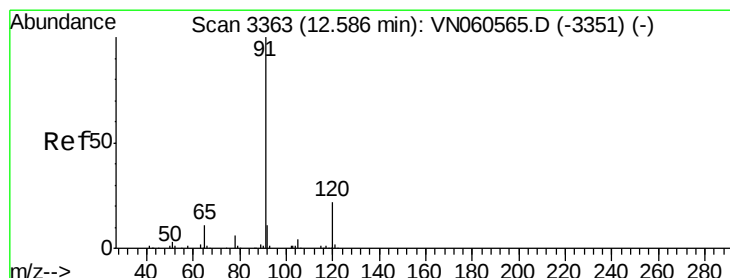
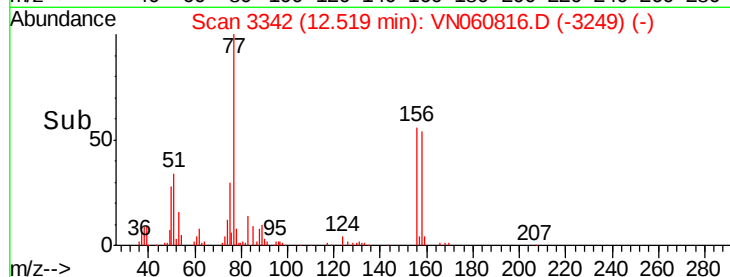
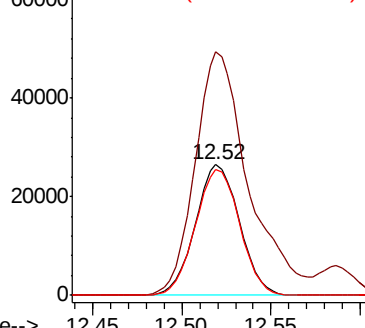
158 96.8 48.6 145.8



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: 19.955 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060816.D

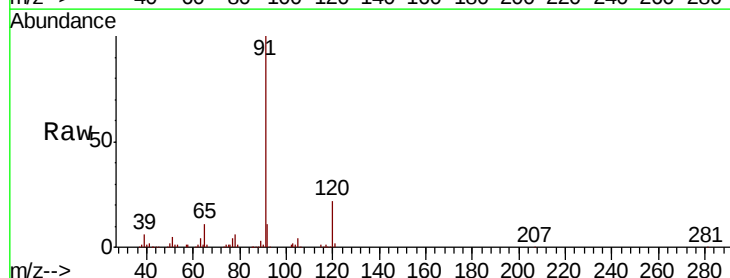
Acq: 2 Apr 2020 12:22

Tgt Ion: 91 Resp: 224187

Ion Ratio Lower Upper

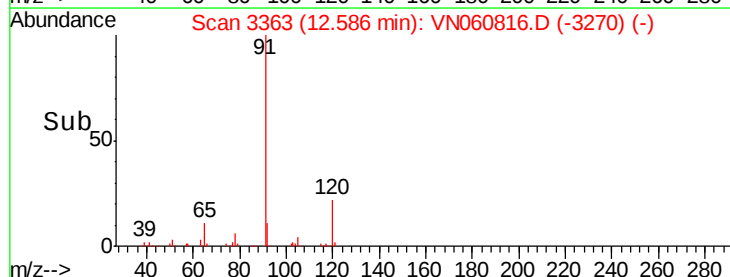
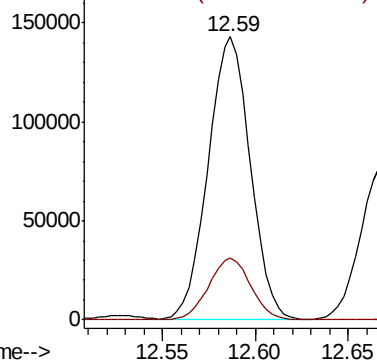
91 100

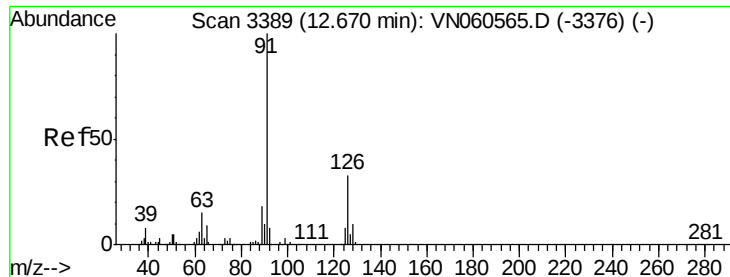
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

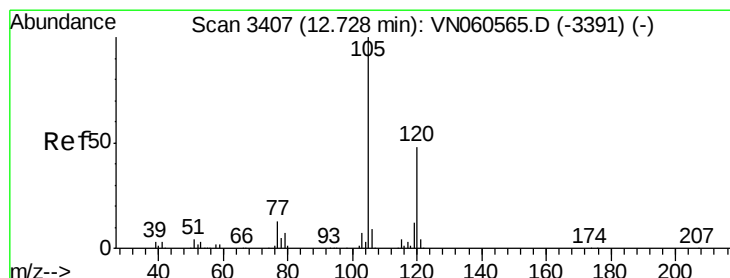
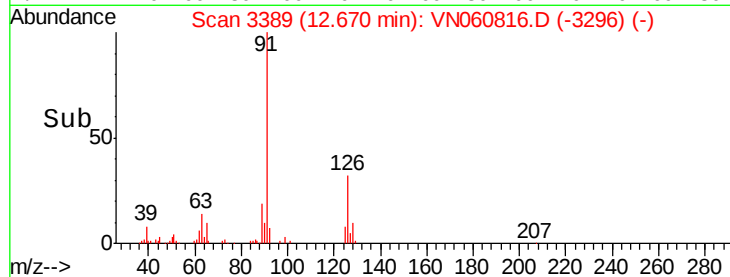
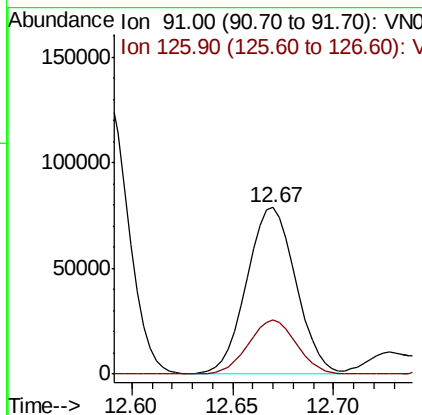
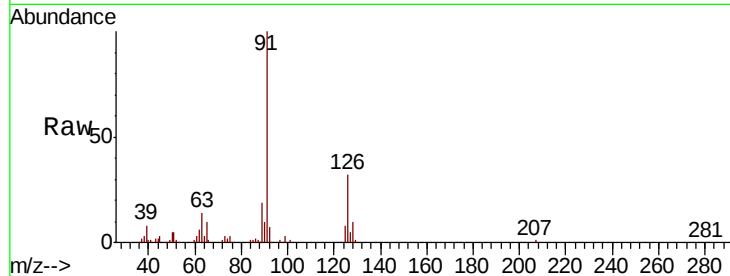




#79
 2-Chlorotoluene
 Concen: 19.923 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

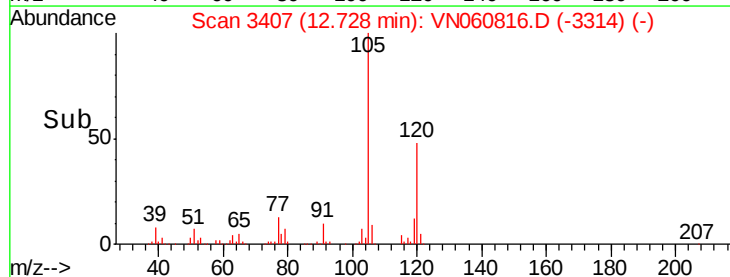
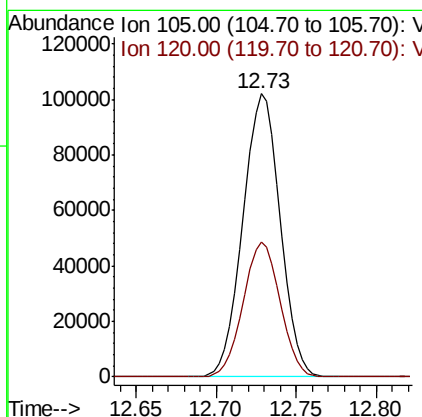
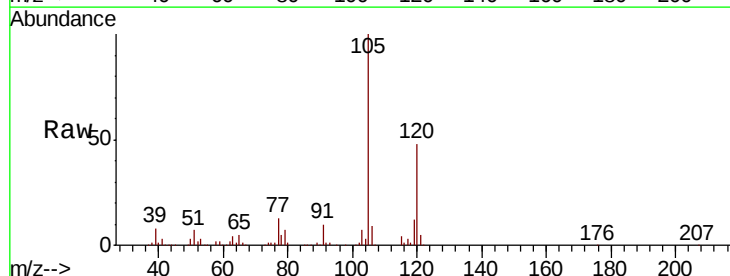
Instrument :
 MSVOA_N
 ClientSampleId :

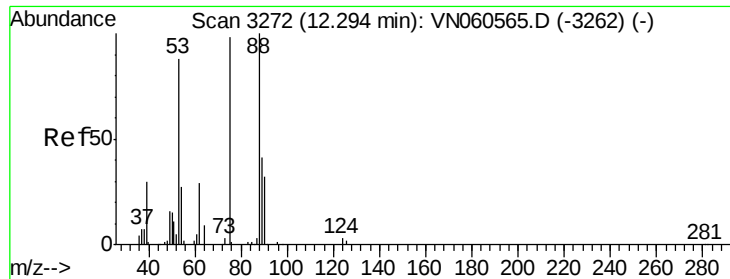
Tot Ion: 91 Resp: 133736
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.054 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Tgt Ion:105 Resp: 161833
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.856 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

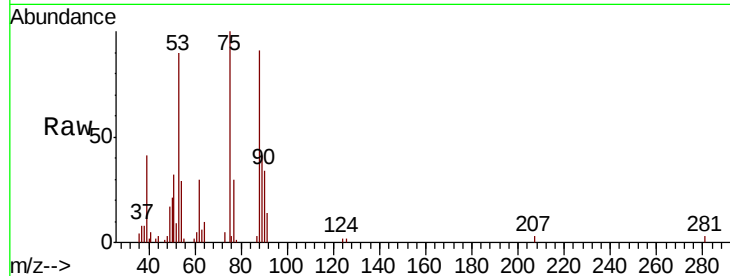
Tot Ion: 75 Resp: 21139

Ion Ratio Lower Upper

75 100

53 93.9 73.0 109.4

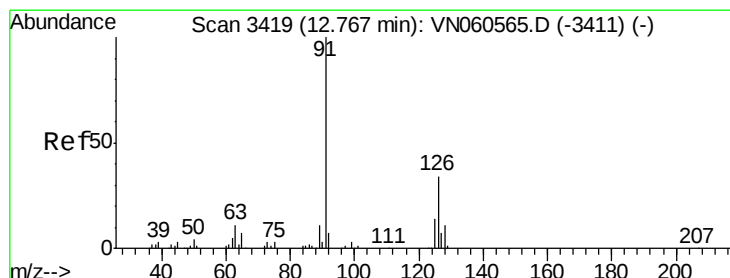
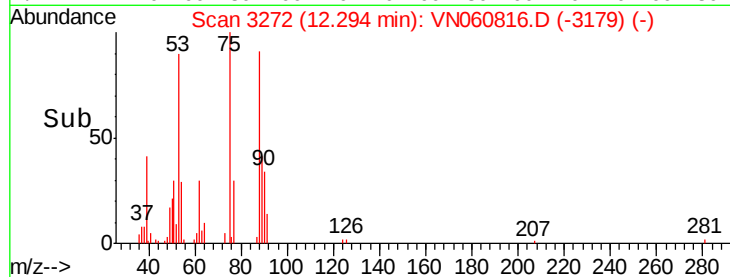
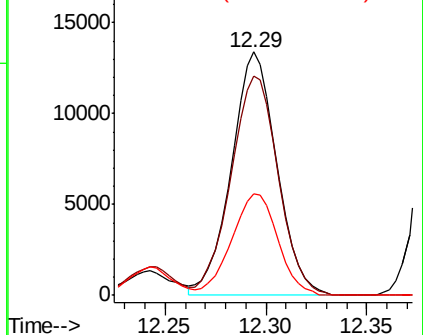
89 42.5 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN060816.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060816.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060816.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 20.016 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060816.D

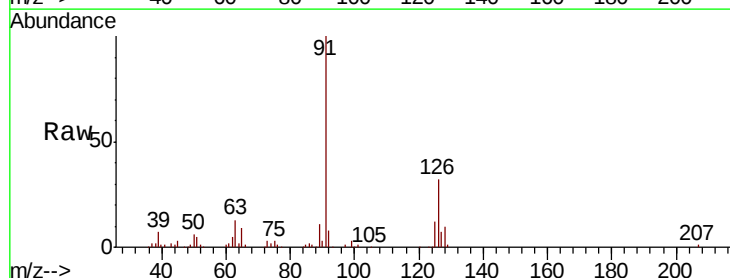
Acq: 2 Apr 2020 12:22

Tgt Ion: 91 Resp: 136846

Ion Ratio Lower Upper

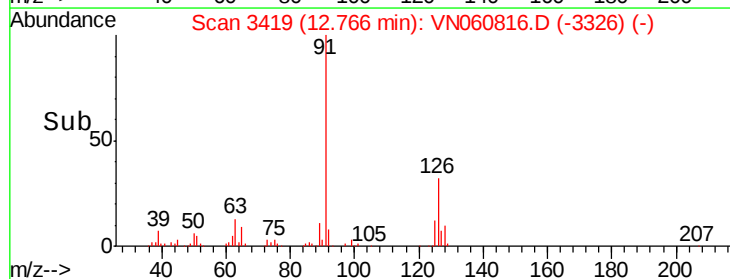
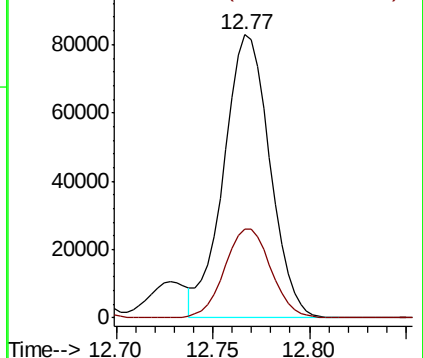
91 100

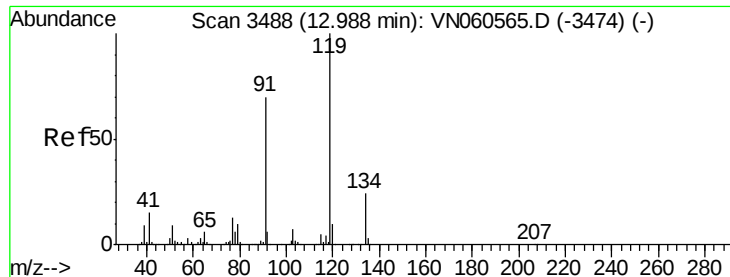
126 31.7 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN060816.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN060816.D (-3326) (-)





#83

tert-Butylbenzene

Concen: 20.340 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

ClientSampled :

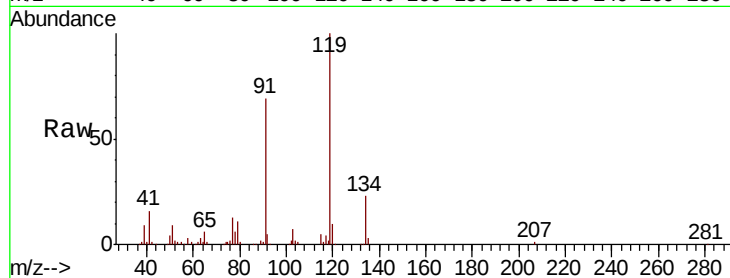
Tot Ion:119 Resp: 136072

Ion Ratio Lower Upper

119 100

91 67.4 34.0 101.8

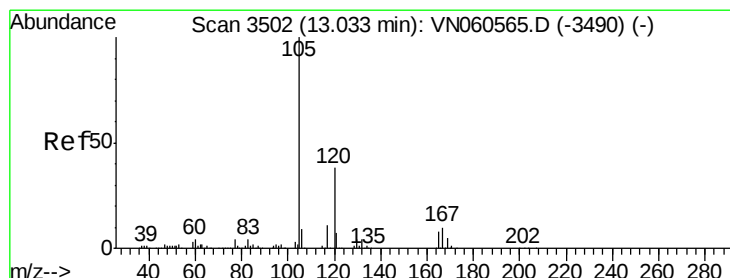
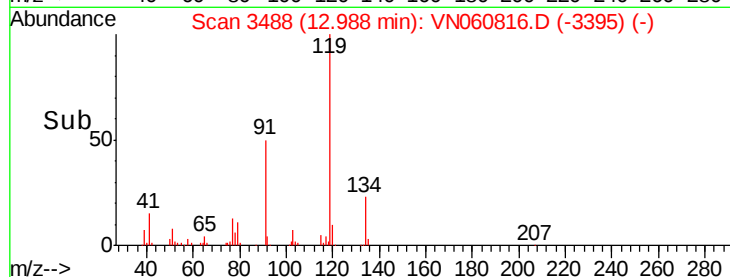
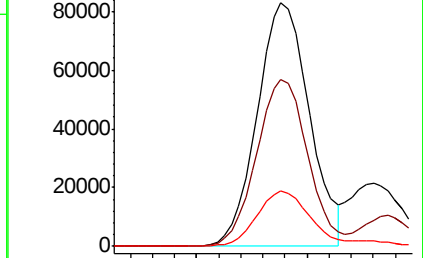
134 24.7 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.249 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060816.D

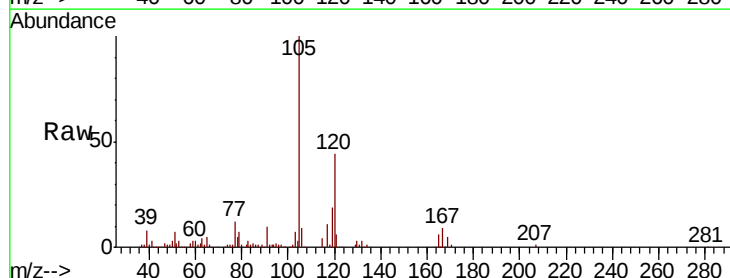
Acq: 2 Apr 2020 12:22

Tgt Ion:105 Resp: 161659

Ion Ratio Lower Upper

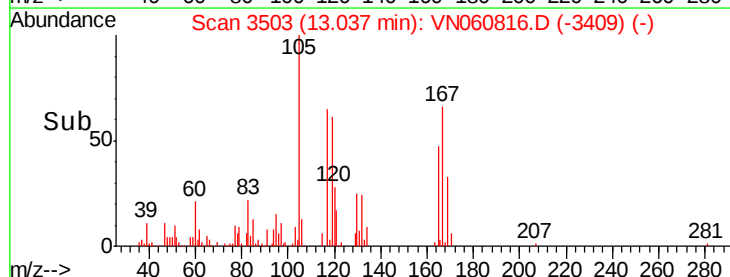
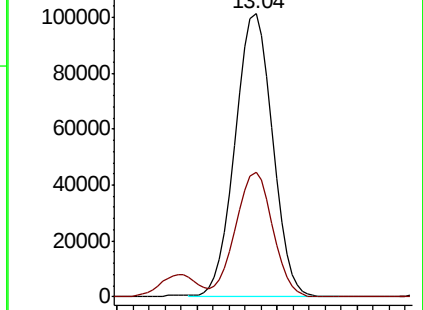
105 100

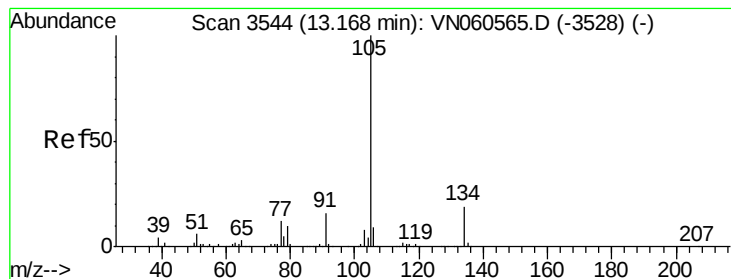
120 43.6 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.468 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

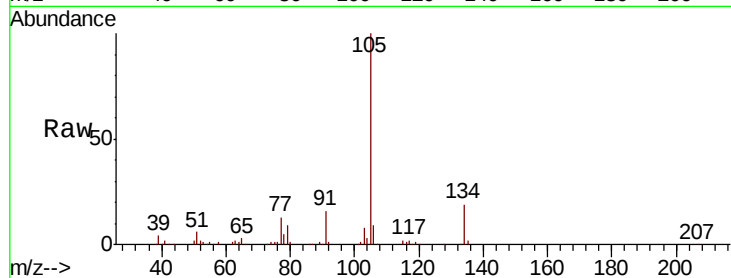
ClientSampled :

Tot Ion:105 Resp: 184124

Ion Ratio Lower Upper

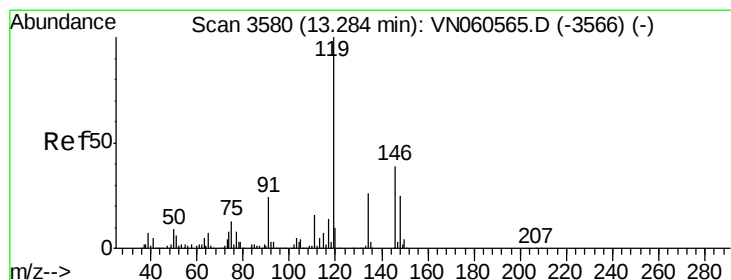
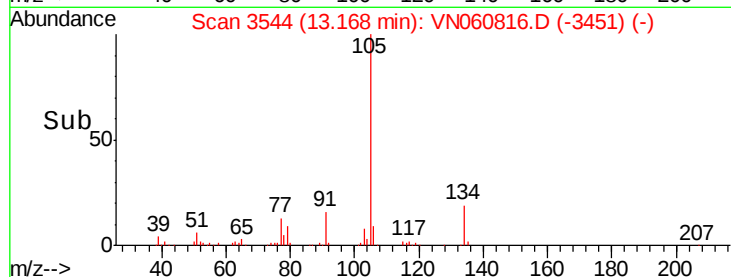
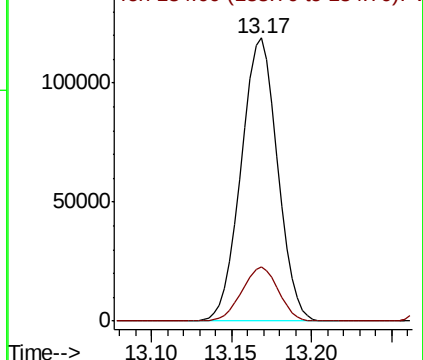
105 100

134 19.2 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.237 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

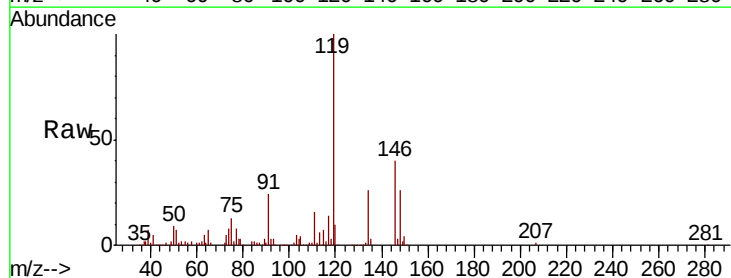
Tgt Ion:119 Resp: 163700

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

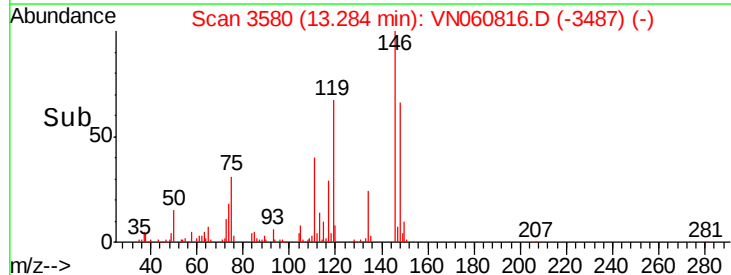
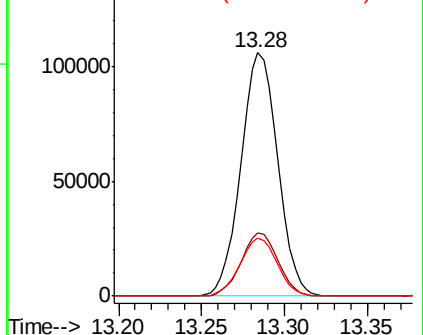
91 24.3 12.0 36.0

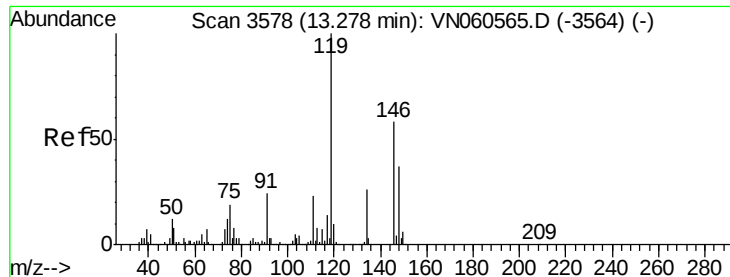


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.927 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA_N

ClientSampled :

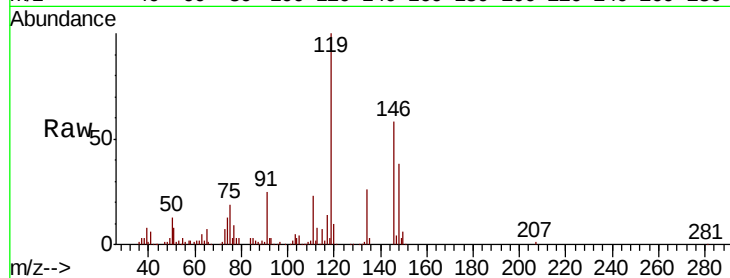
Tot Ion:146 Resp: 80534

Ion Ratio Lower Upper

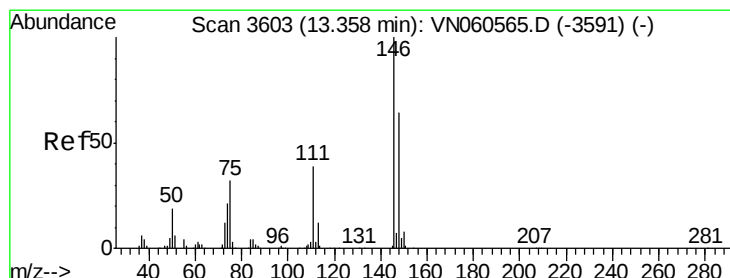
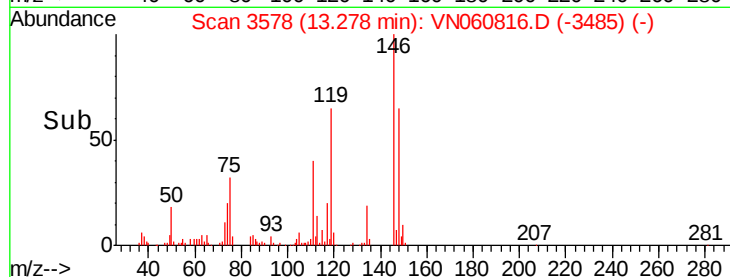
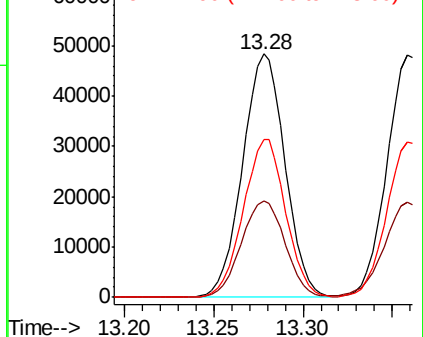
146 100

111 40.8 20.3 60.8

148 64.9 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.931 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

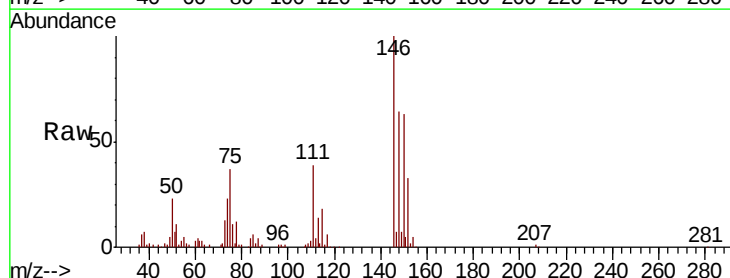
Tgt Ion:146 Resp: 80928

Ion Ratio Lower Upper

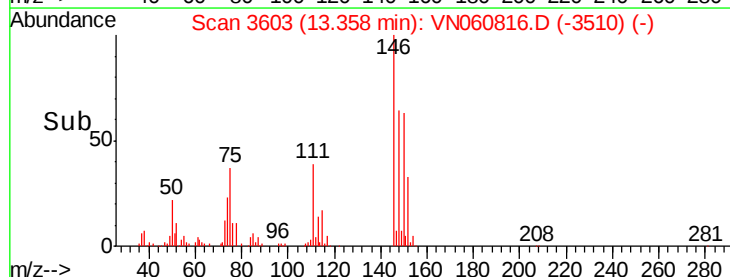
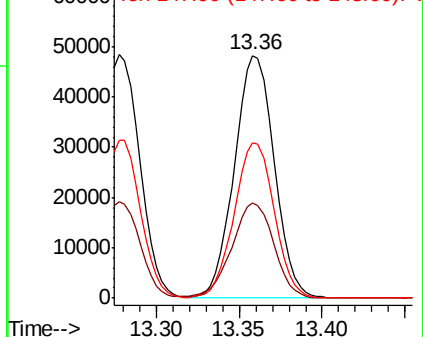
146 100

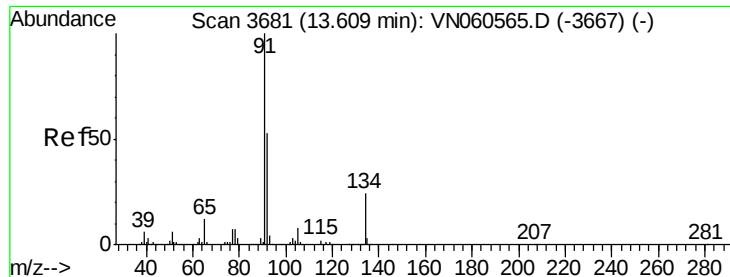
111 41.4 19.6 58.7

148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

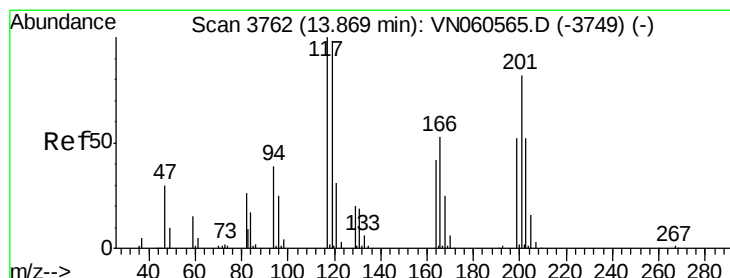
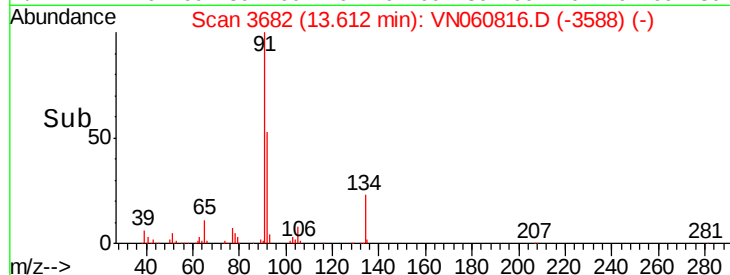
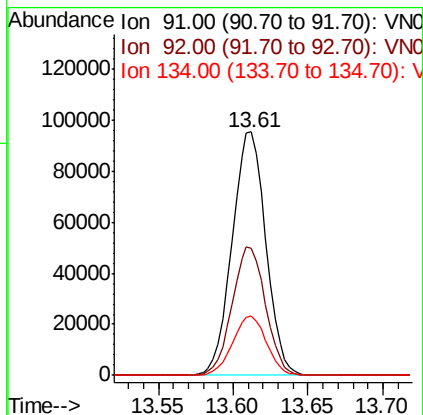
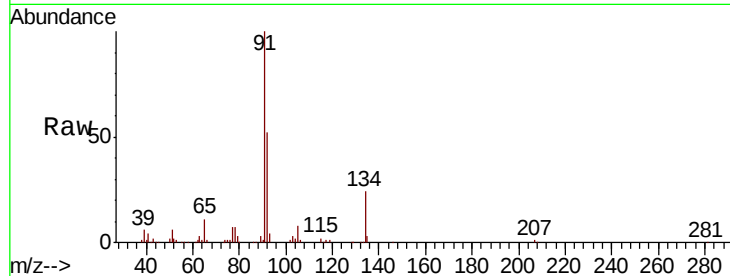




#89
n-Butylbenzene
Concen: 20.497 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

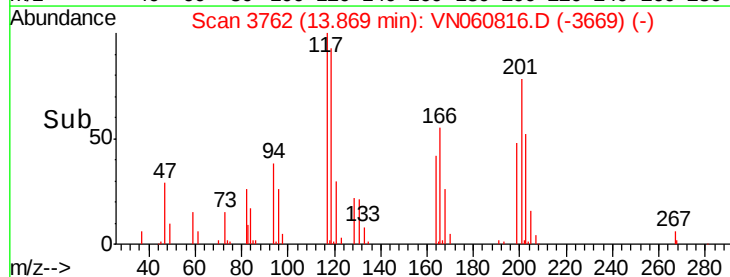
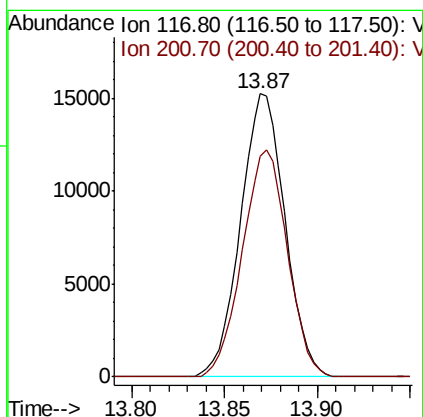
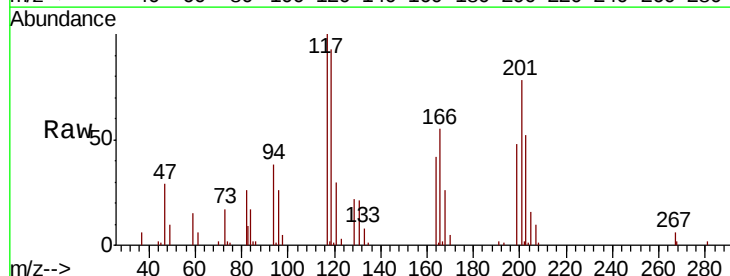
Instrument :
MSVOA_N
ClientSampleId :

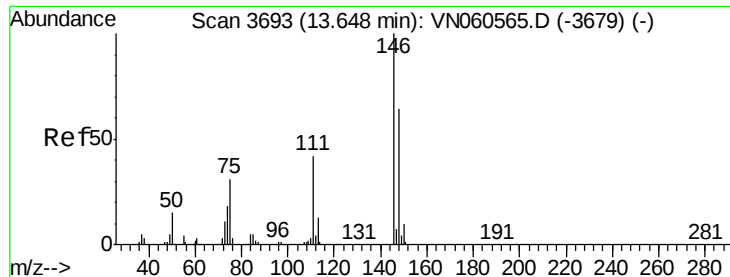
Tot Ion: 91 Resp: 149699
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.5
134 24.5 12.3 36.9



#90
Hexachloroethane
Concen: 21.643 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion: 117 Resp: 25449
Ion Ratio Lower Upper
117 100
201 81.2 40.8 122.5

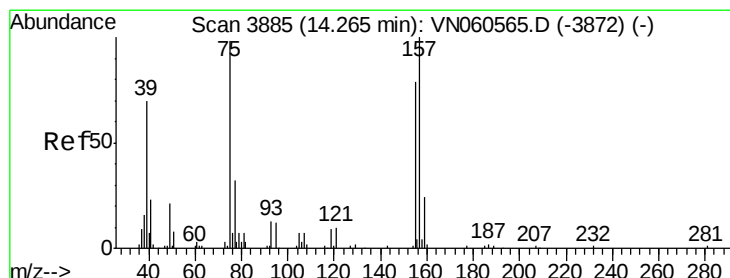
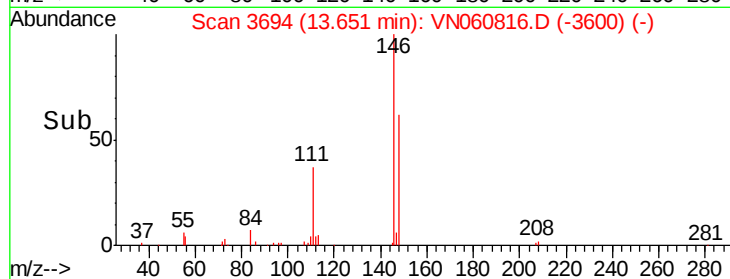
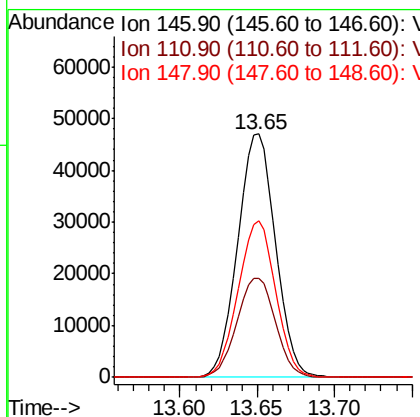
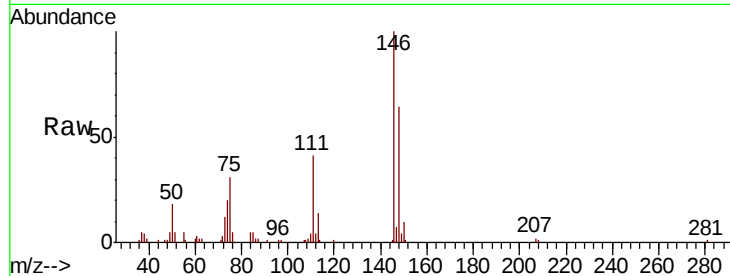




#91
 1,2-Dichlorobenzene
 Concen: 20.694 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

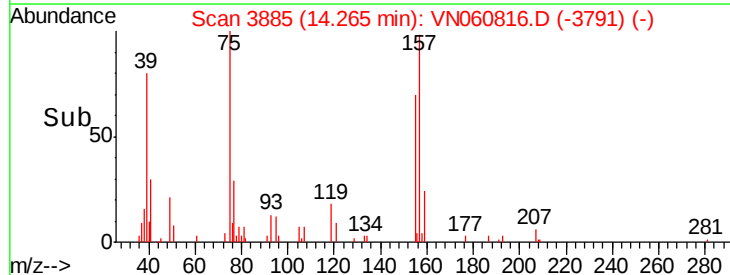
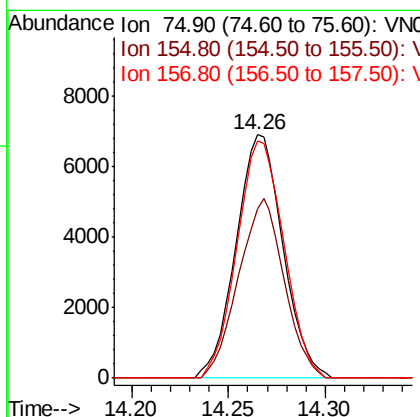
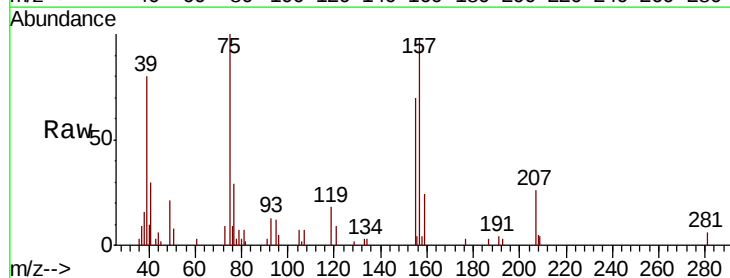
Instrument :
 MSVOA_N
 ClientSampleId :

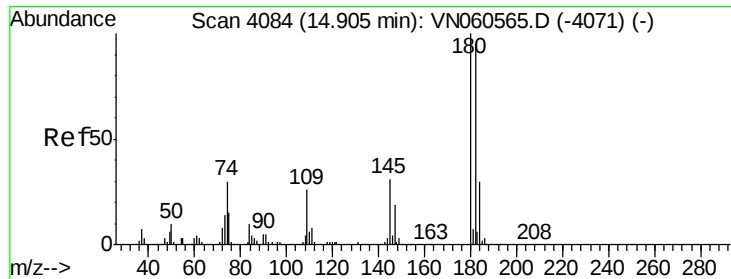
Tot Ion:146 Resp: 79971
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.0 63.0
 148 63.7 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.191 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Tgt Ion: 75 Resp: 11659
 Ion Ratio Lower Upper
 75 100
 155 71.6 40.7 122.1
 157 97.1 51.5 154.7

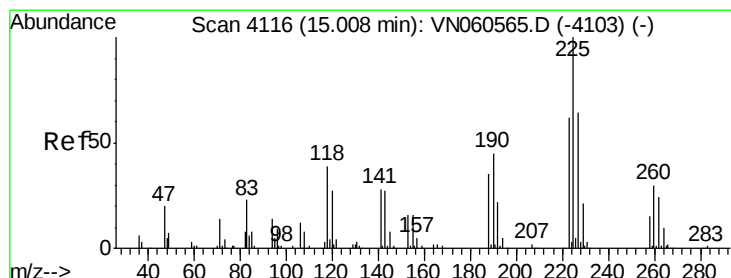
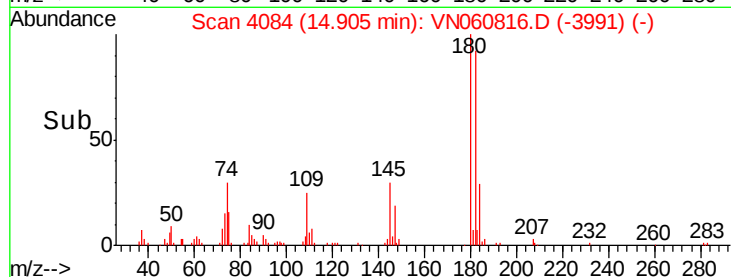
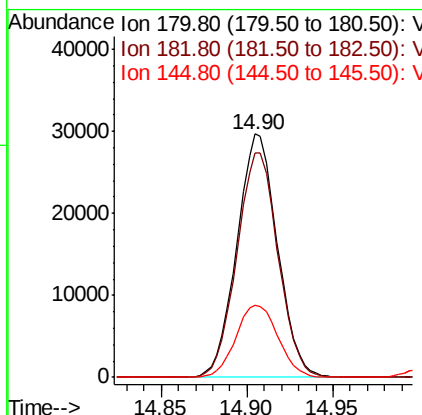
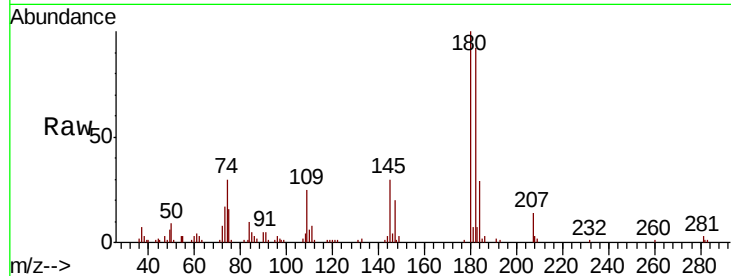




#93
 1,2,4-Trichlorobenzene
 Concen: 20.434 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

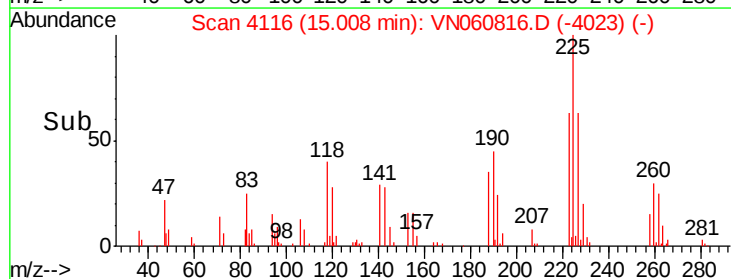
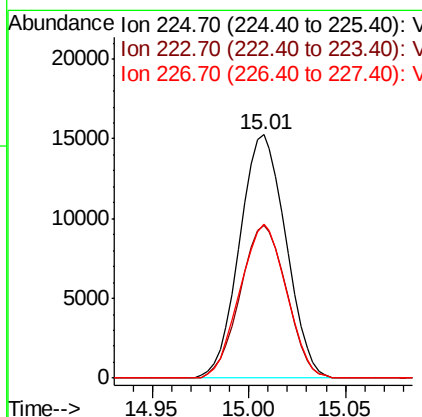
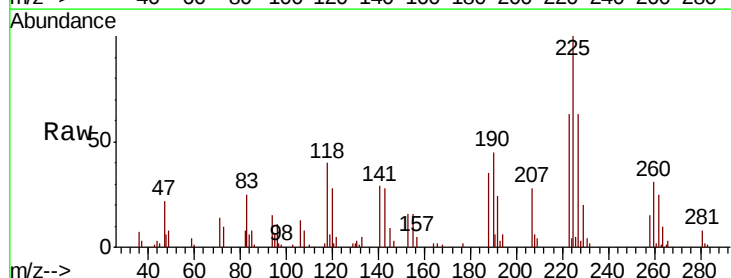
Instrument :
 MSVOA_N
 ClientSampleId :

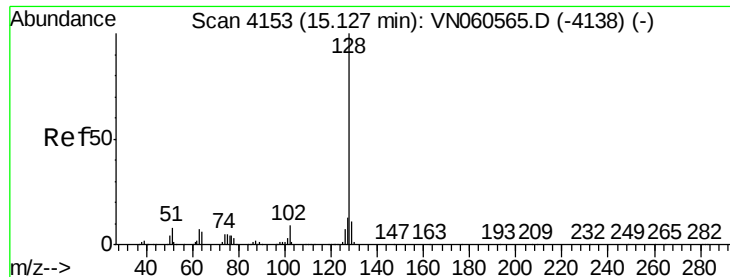
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.8
145	30.6	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 21.857 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060816.D
 Acq: 2 Apr 2020 12:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	95.0
227	63.4	32.3	96.8

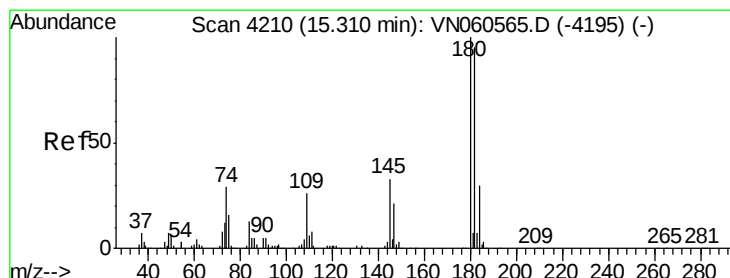
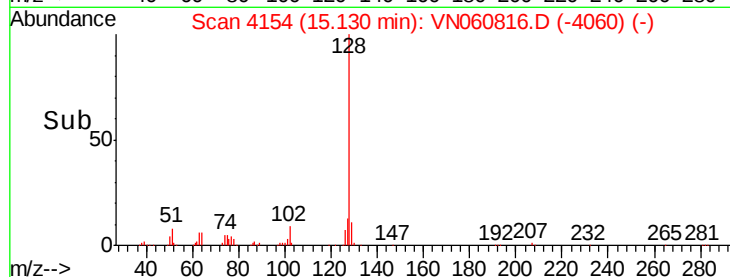
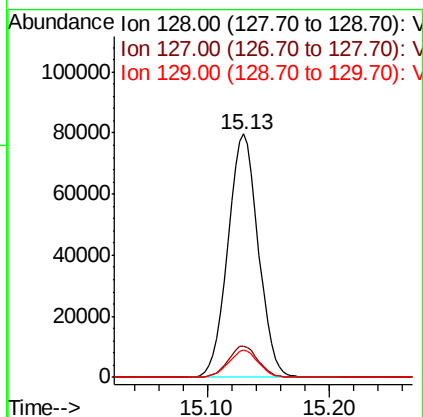
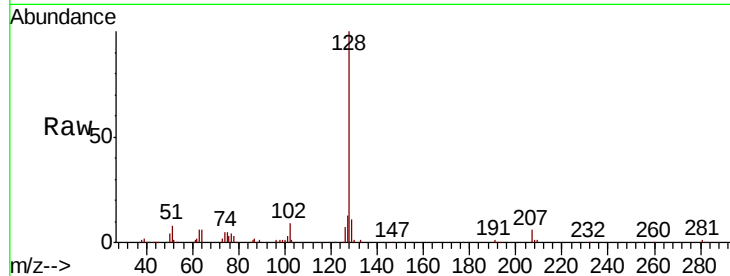




#95
Naphthalene
Concen: 19.384 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 138356
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.015 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060816.D
Acq: 2 Apr 2020 12:22

Tgt Ion:180 Resp: 46784
Ion Ratio Lower Upper
180 100
182 94.6 47.5 142.6
145 32.2 16.3 48.8

