

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059603.D
 Acq On : 16 Dec 2019 15:33
 Operator : JC/SP
 Sample : VN1216WBSD03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

Quant Time: Dec 17 04:50:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	248487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	409705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	378750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175180	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	197400	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	7.57	113	136854	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
50) Toluene-d8	10.08	98	509775	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.40	95	184362	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	57108	17.785	ug/l 97
3) Chloromethane	2.04	50	95447	18.732	ug/l 100
4) Vinyl Chloride	2.17	62	85104	17.612	ug/l 100
5) Bromomethane	2.54	94	52222	18.591	ug/l 99
6) Chloroethane	2.68	64	51823	19.083	ug/l 100
7) Trichlorofluoromethane	3.00	101	100910	19.034	ug/l 97
8) Diethyl Ether	3.38	74	34773	20.992	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	49421	18.498	ug/l 99
10) Methyl Iodide	3.92	142	68252	19.297	ug/l 99
11) Tert butyl alcohol	4.75	59	60982	91.992	ug/l 98
12) 1,1-Dichloroethene	3.71	96	46682	17.911	ug/l 96
13) Acrolein	3.58	56	47825	101.280	ug/l 99
14) Allyl chloride	4.29	41	97054	18.140	ug/l 99
15) Acrylonitrile	4.95	53	156556	97.635	ug/l 98
16) Acetone	3.79	43	178897	83.333	ug/l 99
17) Carbon Disulfide	4.02	76	149164	17.222	ug/l 99
18) Methyl Acetate	4.29	43	84912	18.876	ug/l 99
19) Methyl tert-butyl Ether	5.01	73	190370	20.687	ug/l 99
20) Methylene Chloride	4.52	84	63706	20.547	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	54120	18.627	ug/l 97
22) Diisopropyl ether	5.92	45	204468	20.729	ug/l 97
23) Vinyl Acetate	5.86	43	883667	114.156	ug/l 99
24) 1,1-Dichloroethane	5.81	63	111893	20.026	ug/l 99
25) 2-Butanone	6.80	43	234719	91.433	ug/l 99
26) 2,2-Dichloropropane	6.80	77	96872	19.076	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	64394	20.001	ug/l 99
28) Bromochloromethane	7.17	49	86059	36.779	ug/l 97
29) Tetrahydrofuran	7.18	42	151236	96.692	ug/l 99
30) Chloroform	7.35	83	110026	20.005	ug/l 99
31) Cyclohexane	7.63	56	96574	18.292	ug/l 97
32) 1,1,1-Trichloroethane	7.54	97	93117	18.779	ug/l 99
36) 1,1-Dichloropropene	7.77	75	79376	18.578	ug/l 98
37) Ethyl Acetate	6.90	43	96297	19.392	ug/l 99
38) Carbon Tetrachloride	7.75	117	81553	18.394	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	88421	18.245	ug/l	98
40) Benzene	8.02	78	240102	19.229	ug/l	99
41) Methacrylonitrile	7.18	41	137773	67.225	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	97160	20.319	ug/l	99
43) Isopropyl Acetate	8.14	43	151452	19.616	ug/l	100
44) Trichloroethene	8.82	130	61424	18.781	ug/l	98
45) 1,2-Dichloropropane	9.10	63	67134	19.911	ug/l	99
46) Dibromomethane	9.19	93	43724	19.794	ug/l	99
47) Bromodichloromethane	9.39	83	88925	20.191	ug/l	98
48) Methyl methacrylate	9.18	41	65374	18.663	ug/l	100
49) 1,4-Dioxane	9.18	88	19487	388.202	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	458493	99.602	ug/l	100
52) Toluene	10.14	92	144759	18.869	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	101143	19.857	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	105791	19.759	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	60748	20.179	ug/l	99
56) Ethyl methacrylate	10.42	69	89084	19.933	ug/l	98
57) 1,3-Dichloropropane	10.70	76	107052	20.423	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	180418	126.930	ug/l	99
59) 2-Hexanone	10.74	43	342715	94.465	ug/l	100
60) Dibromochloromethane	10.90	129	65757	20.013	ug/l	100
61) 1,2-Dibromoethane	11.00	107	63636	19.931	ug/l	98
64) Tetrachloroethene	10.62	164	56068	15.880	ug/l	98
65) Chlorobenzene	11.43	112	156293	19.071	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	59850	19.227	ug/l	99
67) Ethyl Benzene	11.51	91	274973	18.588	ug/l	99
68) m/p-Xylenes	11.62	106	200899	36.778	ug/l	100
69) o-Xylene	11.94	106	96236	18.516	ug/l	98
70) Styrene	11.96	104	155367	18.605	ug/l	99
71) Bromoform	12.12	173	45711	19.535	ug/l #	98
73) Isopropylbenzene	12.25	105	256127	18.625	ug/l	100
74) N-amyl acetate	12.07	43	120212	19.057	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	86020	19.719	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	124525	28.714	ug/l #	100
77) Bromobenzene	12.52	156	64072	18.946	ug/l	99
78) n-propylbenzene	12.59	91	301669	18.558	ug/l	99
79) 2-Chlorotoluene	12.67	91	184152	18.735	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	221075	18.997	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	33032	18.813	ug/l	98
82) 4-Chlorotoluene	12.77	91	189197	18.799	ug/l	98
83) tert-Butylbenzene	12.99	119	182728	18.541	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	222088	19.192	ug/l	100
85) sec-Butylbenzene	13.17	105	242162	18.472	ug/l	99
86) p-Isopropyltoluene	13.29	119	221276	18.636	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	115650	18.597	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	114937	18.332	ug/l	99
89) n-Butylbenzene	13.61	91	196208	17.626	ug/l	100
90) Hexachloroethane	13.87	117	41775	18.614	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	114572	18.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19592	17.159	ug/l	99

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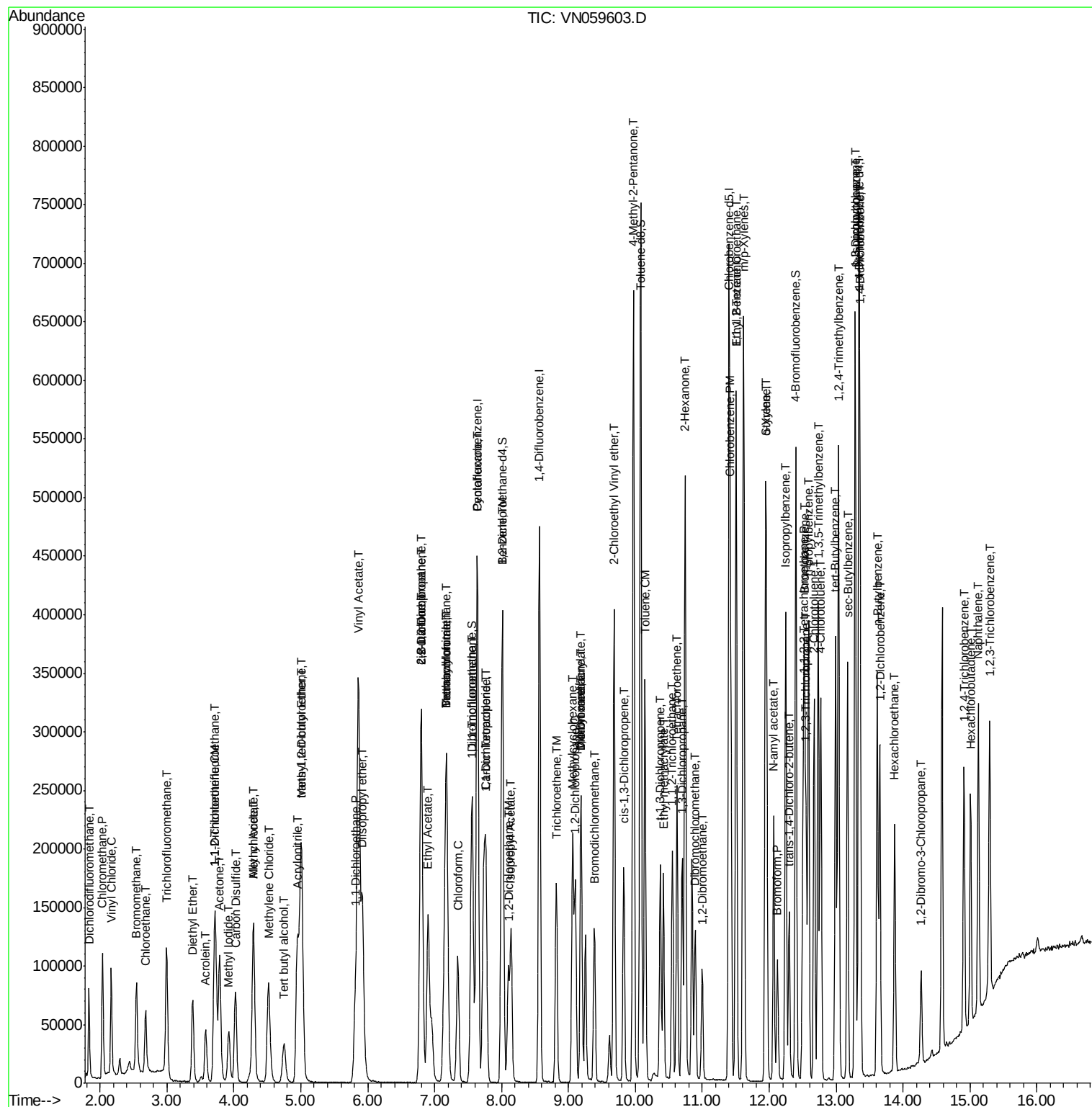
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69429	17.531	ug/l	99
94) Hexachlorobutadiene	15.01	225	35208	17.451	ug/l	99
95) Naphthalene	15.12	128	209740	17.741	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	70179	17.521	ug/l	100

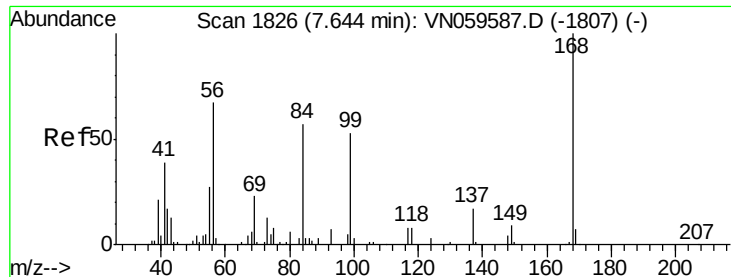
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

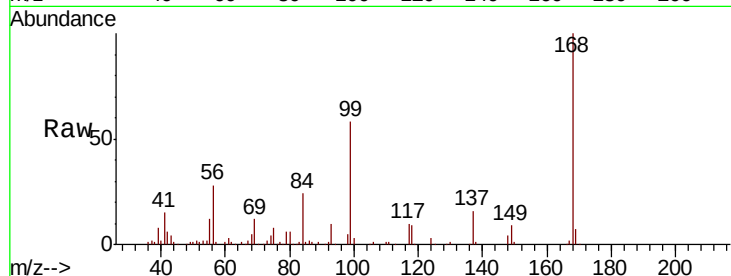
VN1216WBSD03

Tgt Ion:168 Resp: 248487

Ion Ratio Lower Upper

168 100

99 58.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

100000

80000

60000

40000

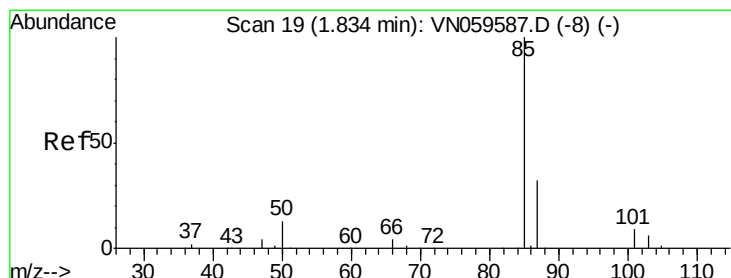
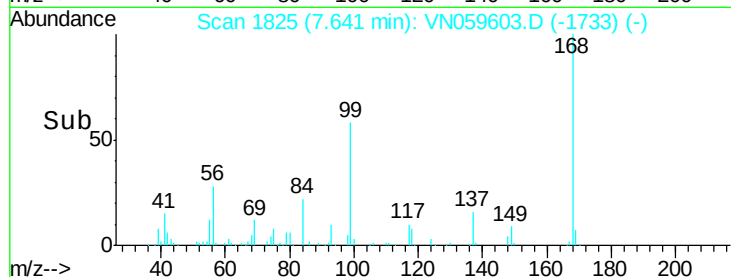
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.785 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059603.D

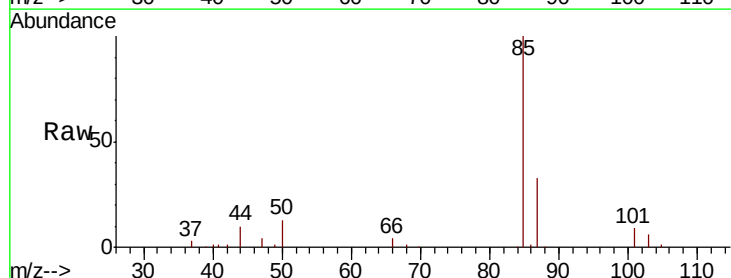
Acq: 16 Dec 2019 15:33

Tgt Ion: 85 Resp: 57108

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059587.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059587.D (-8) (-)

1.83

50000

40000

30000

20000

10000

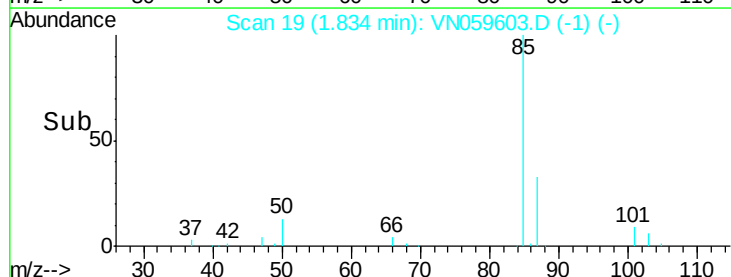
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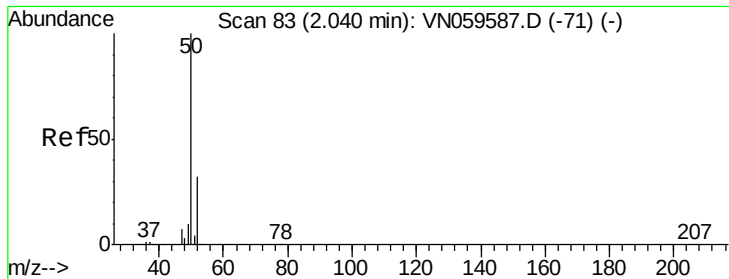
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 18.732 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

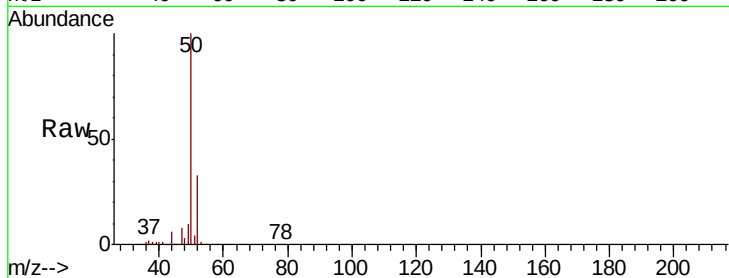
VN1216WBSD03

Tgt Ion: 50 Resp: 95447

Ion Ratio Lower Upper

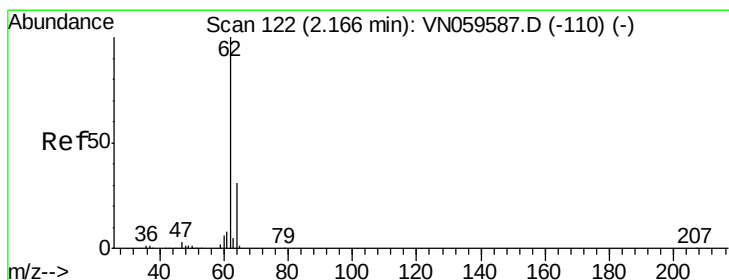
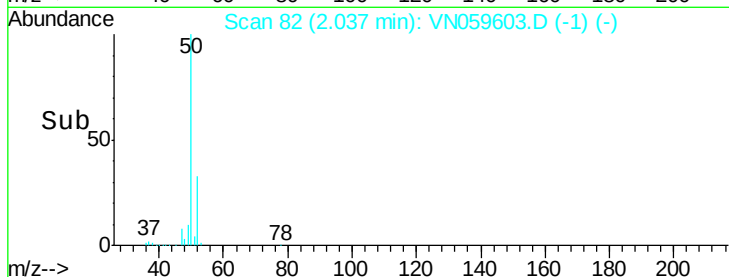
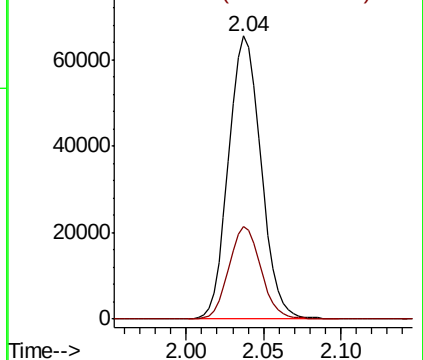
50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.612 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059603.D

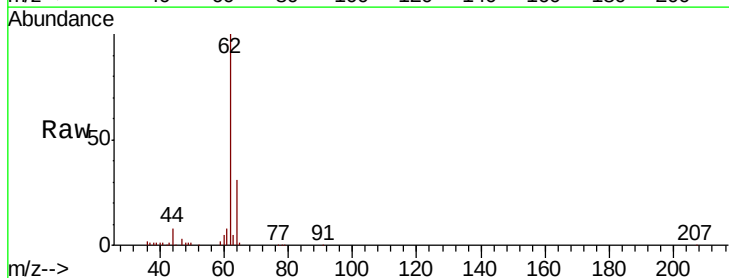
Acq: 16 Dec 2019 15:33

Tgt Ion: 62 Resp: 85104

Ion Ratio Lower Upper

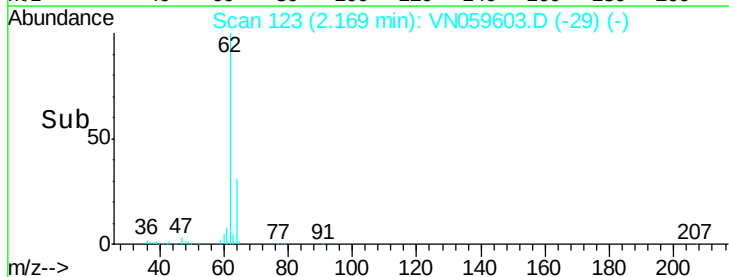
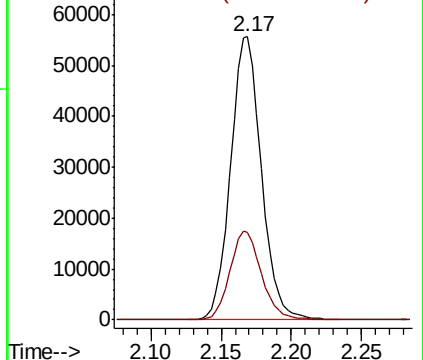
62 100

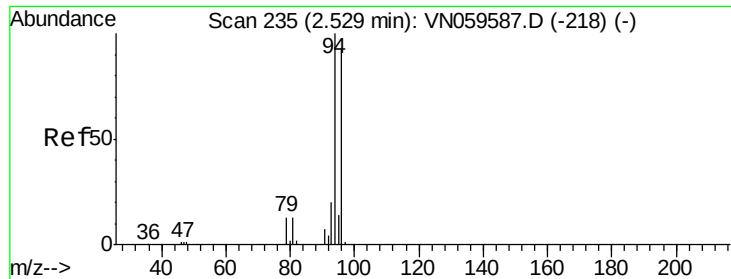
64 31.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.591 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

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ClientSampleId :

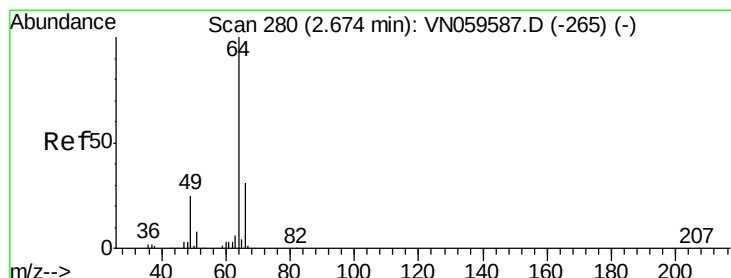
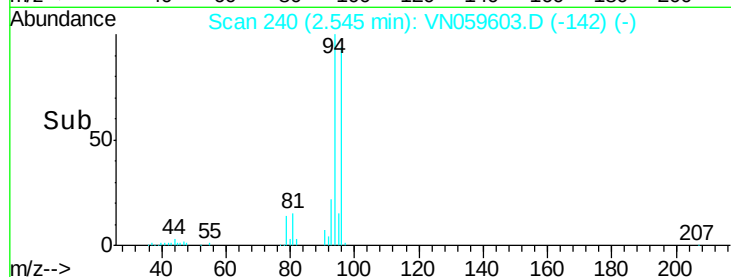
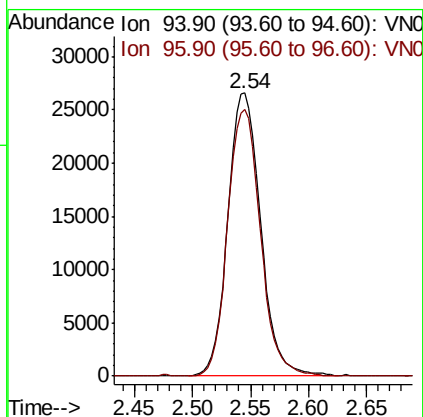
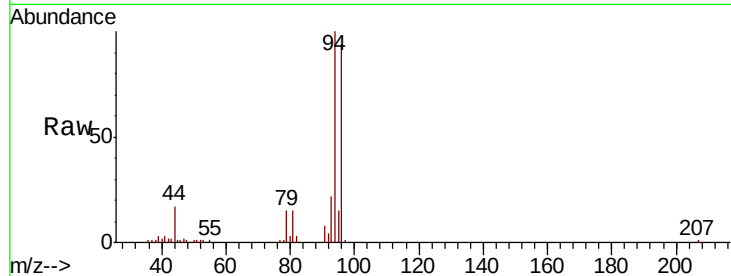
VN1216WBSD03

Tgt Ion: 94 Resp: 52222

Ion Ratio Lower Upper

94 100

96 94.1 74.7 112.1



#6

Chloroethane

Concen: 19.083 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059603.D

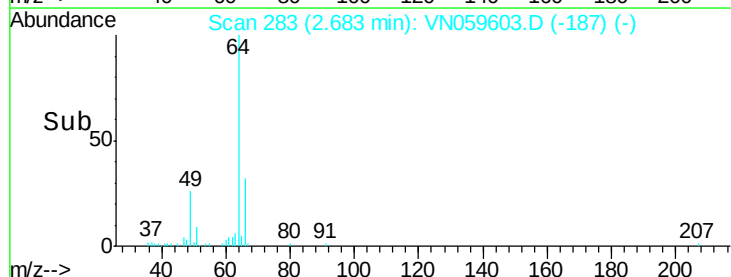
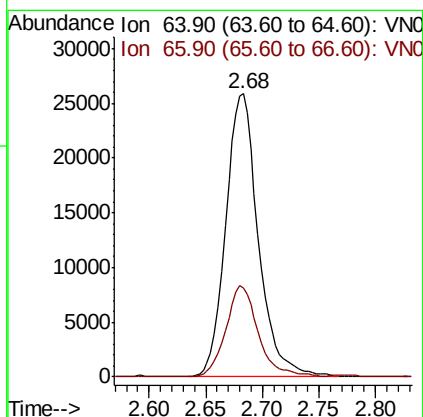
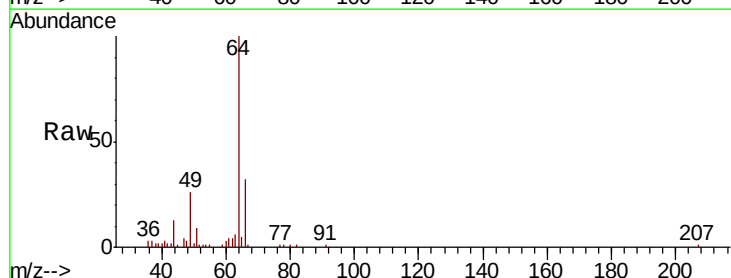
Acq: 16 Dec 2019 15:33

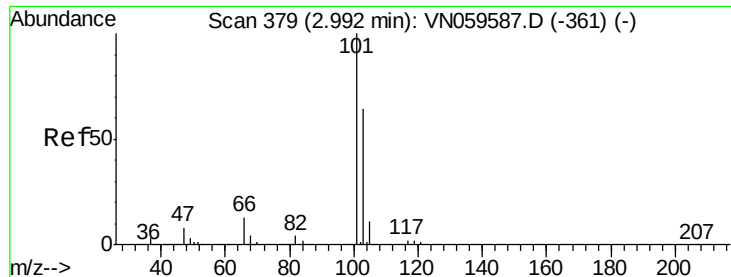
Tgt Ion: 64 Resp: 51823

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7



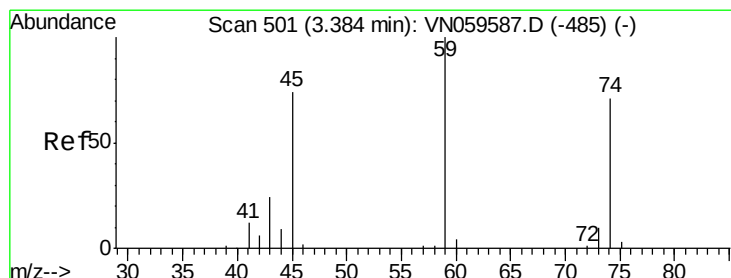
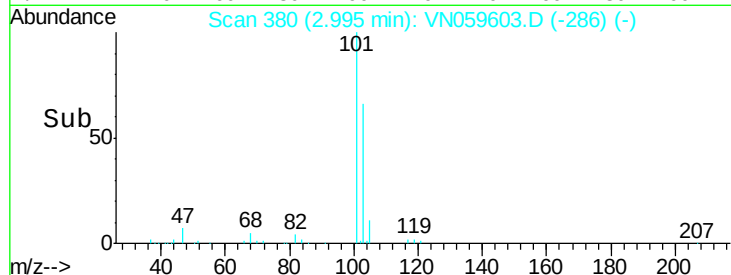
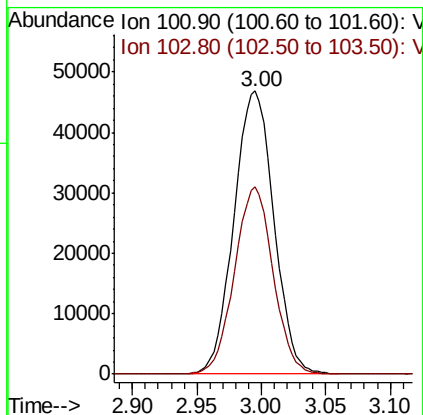
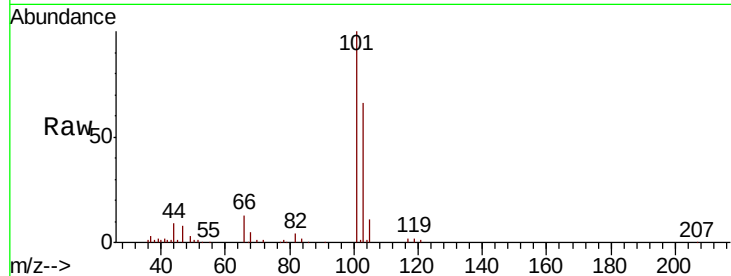


#7

Trichlorofluoromethane
 Concen: 19.034 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Instrument :
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 VN1216WBSD03

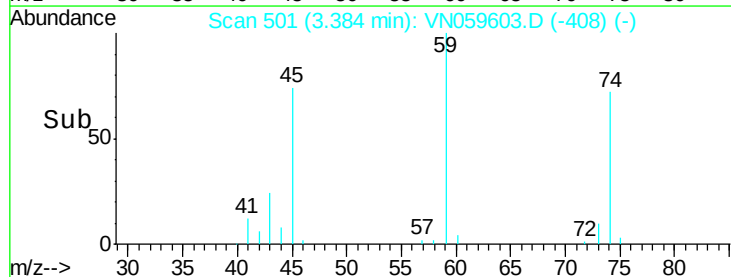
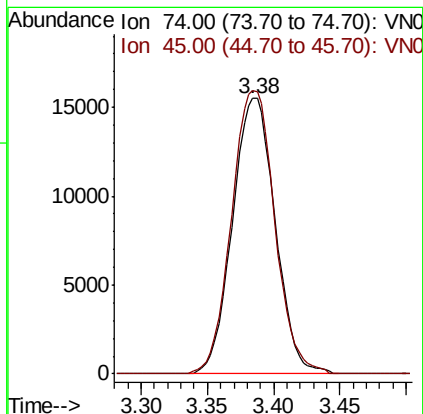
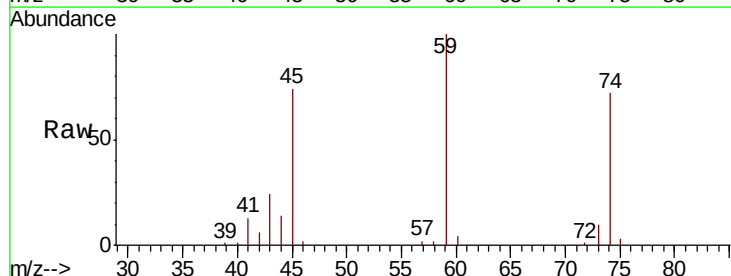
Tgt Ion: 101 Resp: 100910
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.0 76.6

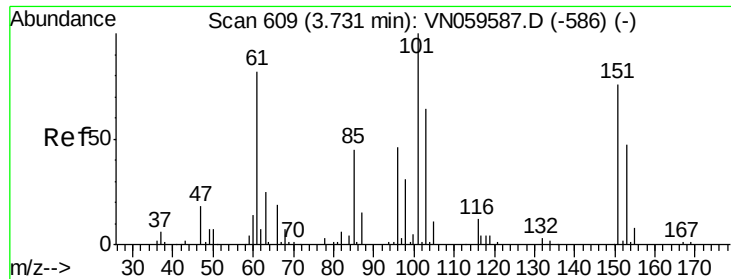


#8

Diethyl Ether
 Concen: 20.992 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion: 74 Resp: 34773
 Ion Ratio Lower Upper
 74 100
 45 104.0 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.498 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD03

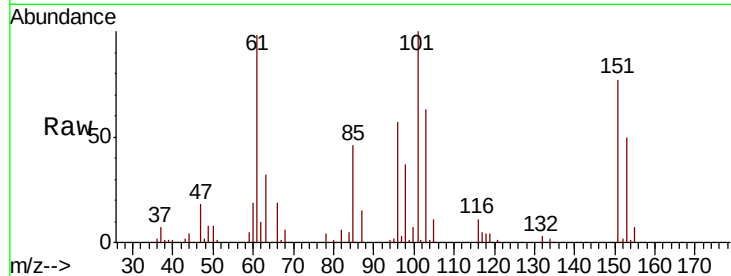
Tgt Ion:101 Resp: 49421

Ion Ratio Lower Upper

101 100

85 45.8 36.6 54.8

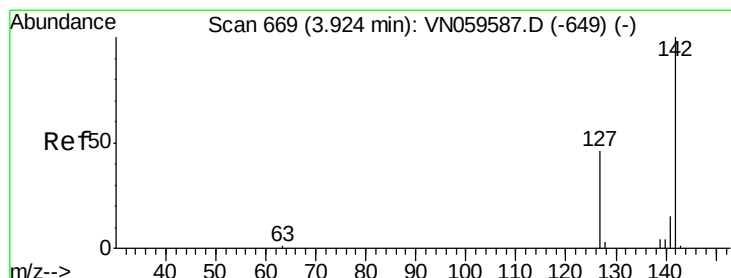
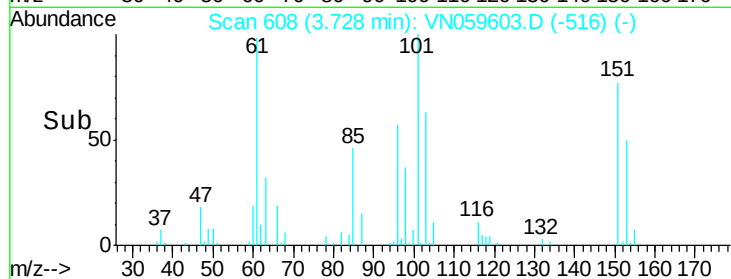
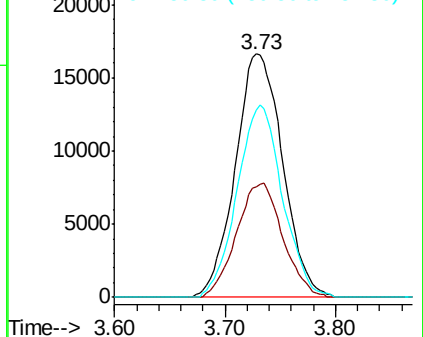
151 75.9 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.297 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

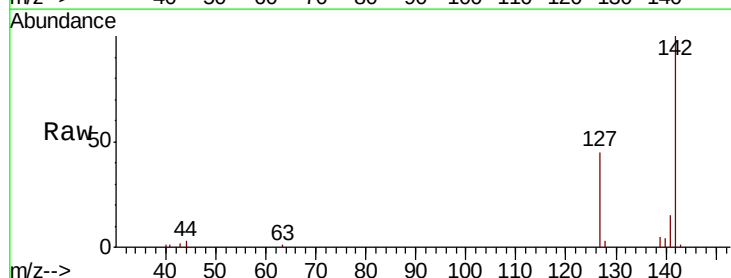
Tgt Ion:142 Resp: 68252

Ion Ratio Lower Upper

142 100

127 44.9 36.7 55.1

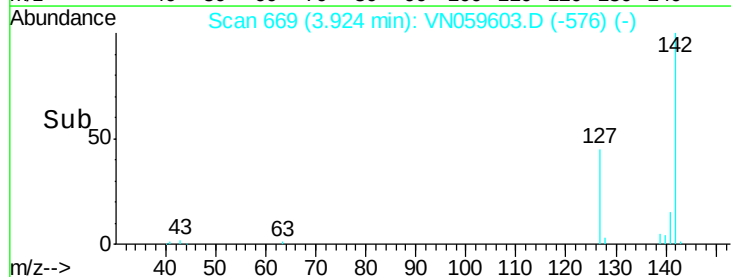
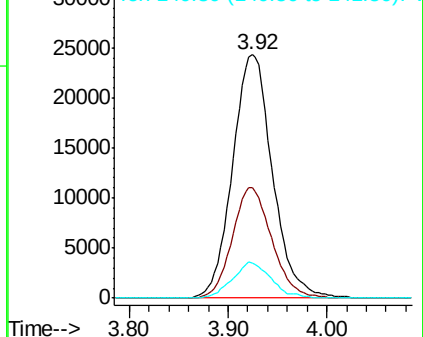
141 14.2 11.7 17.5

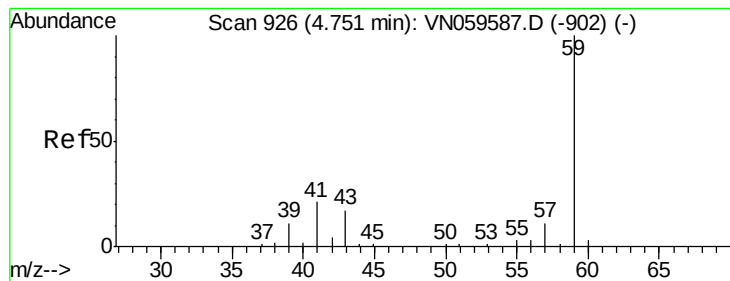


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.992 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

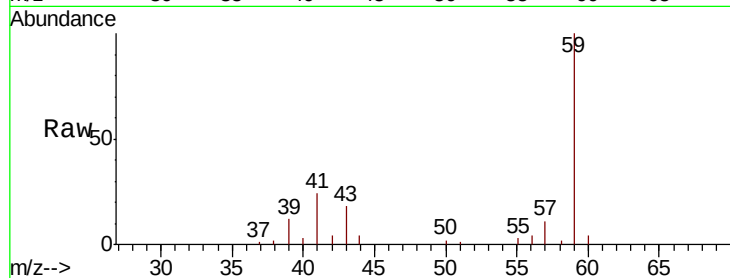
VN1216WBSD03

Tgt Ion: 59 Resp: 60982

Ion Ratio Lower Upper

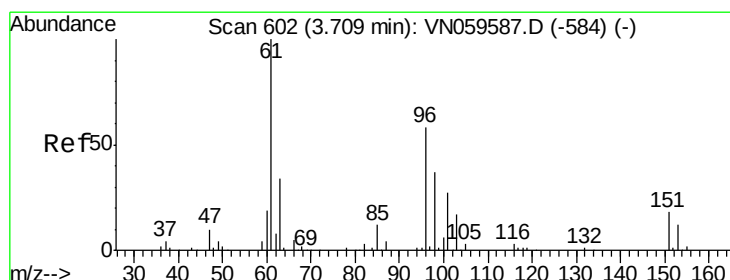
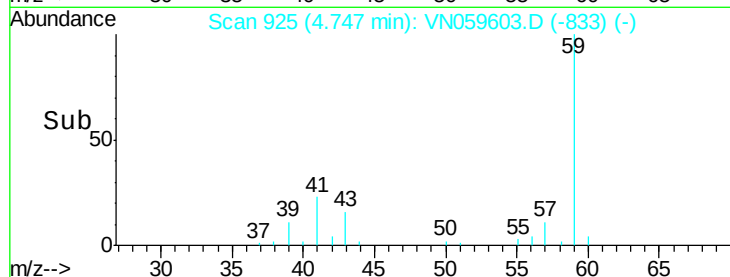
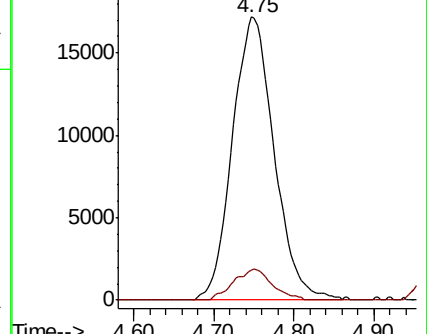
59 100

57 10.1 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 17.911 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

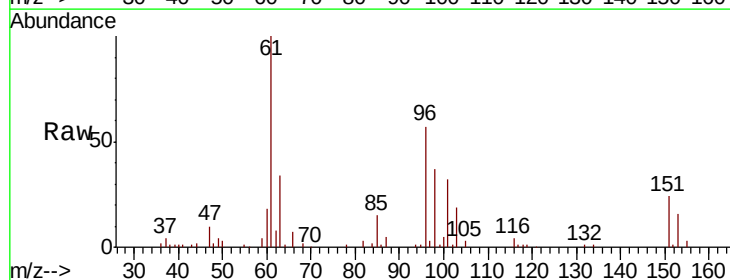
Tgt Ion: 96 Resp: 46682

Ion Ratio Lower Upper

96 100

61 176.4 137.5 206.3

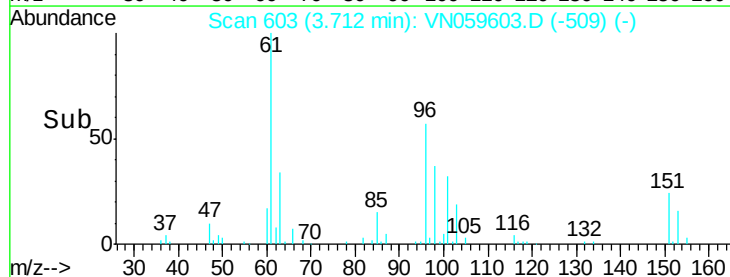
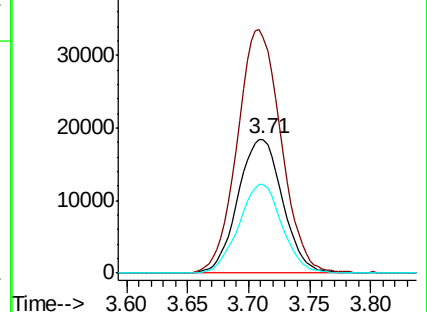
98 66.1 50.2 75.4

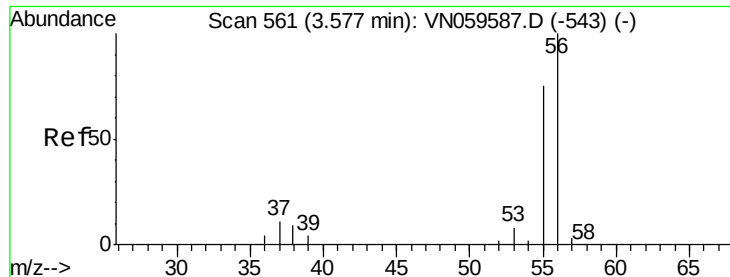


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 101.280 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

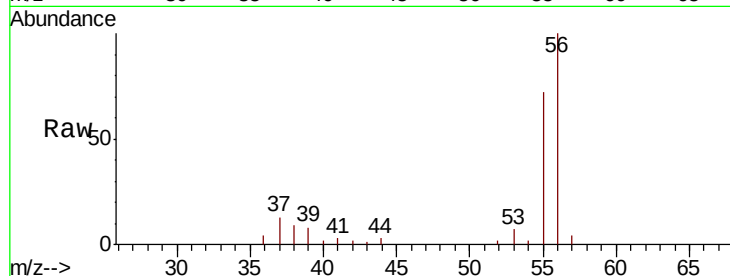
VN1216WBSD03

Tgt Ion: 56 Resp: 47825

Ion Ratio Lower Upper

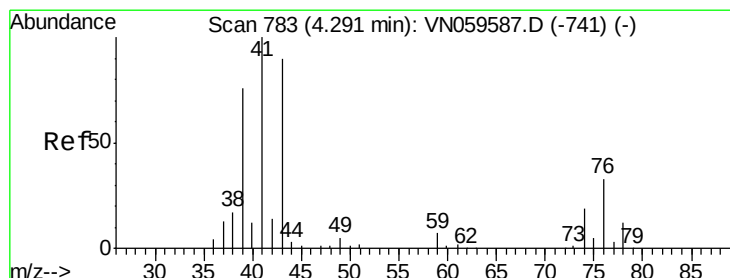
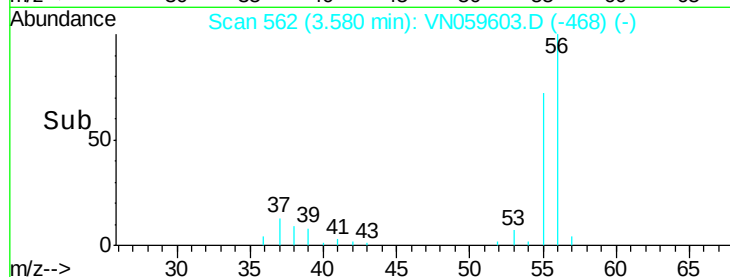
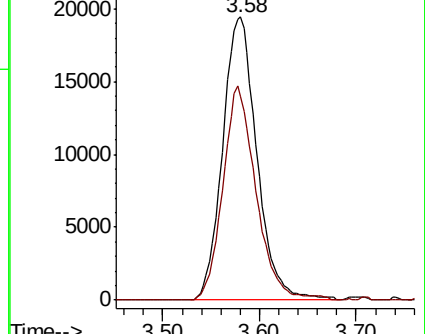
56 100

55 72.5 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.140 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

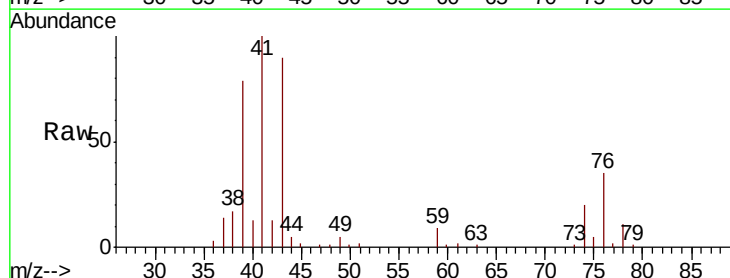
Tgt Ion: 41 Resp: 97054

Ion Ratio Lower Upper

41 100

39 73.6 57.8 86.8

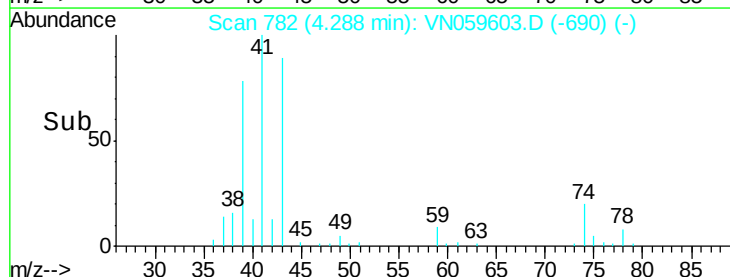
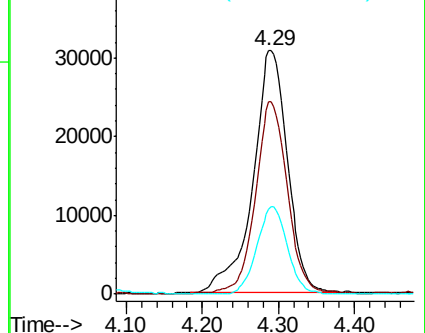
76 31.8 25.4 38.0

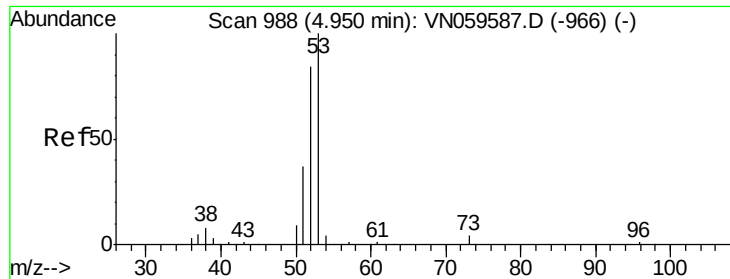


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.635 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD03

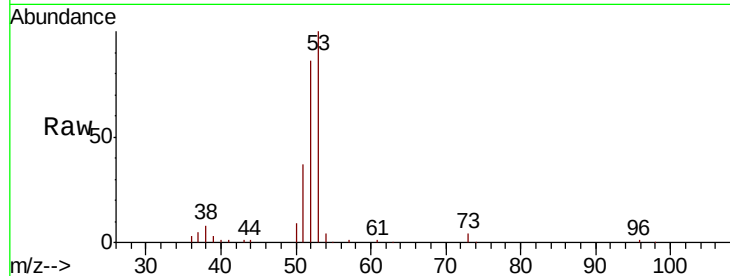
Tgt Ion: 53 Resp: 156556

Ion Ratio Lower Upper

53 100

52 85.4 66.3 99.5

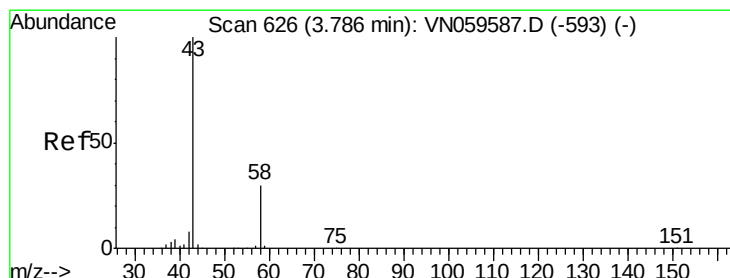
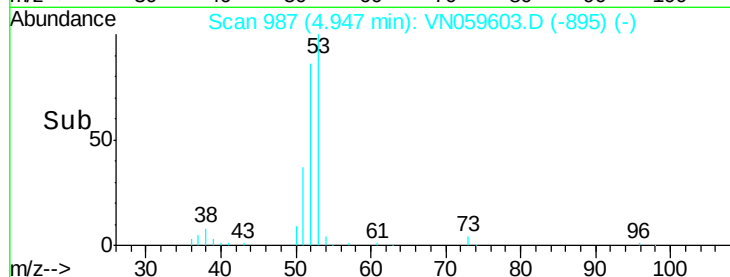
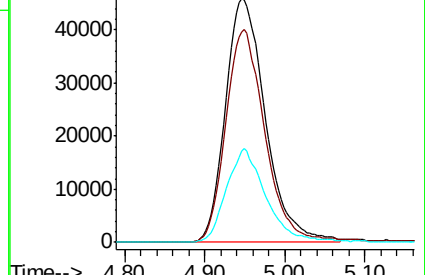
51 37.5 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059587.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059587.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059587.D (-966) (-)



#16

Acetone

Concen: 83.333 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059603.D

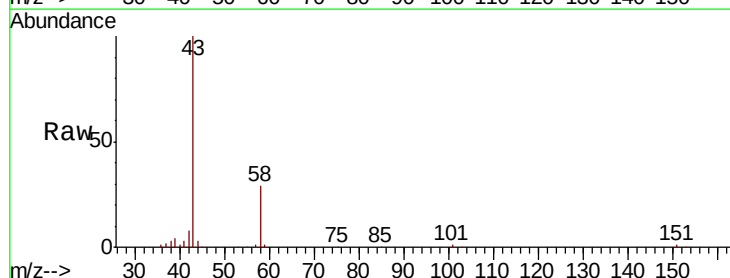
Acq: 16 Dec 2019 15:33

Tgt Ion: 43 Resp: 178897

Ion Ratio Lower Upper

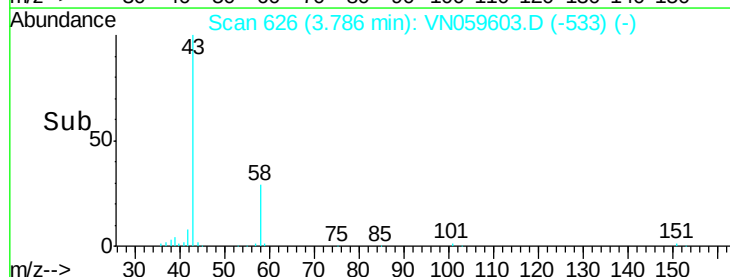
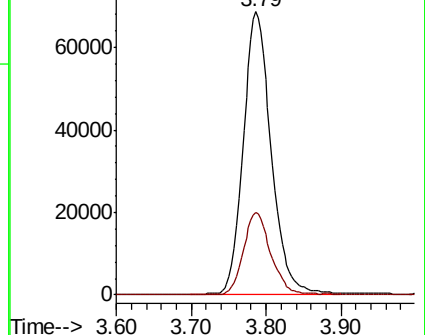
43 100

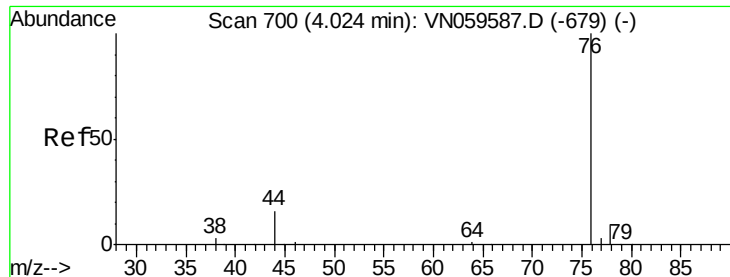
58 29.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

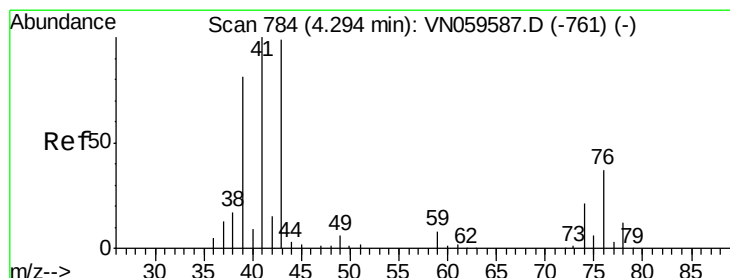
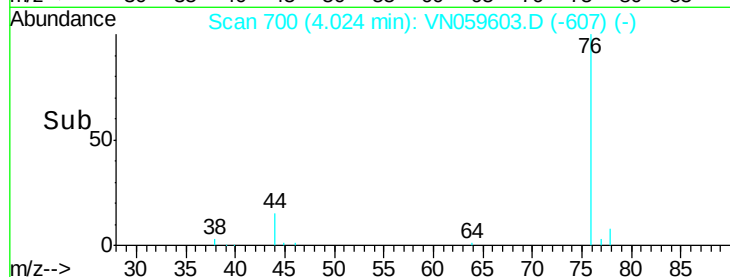
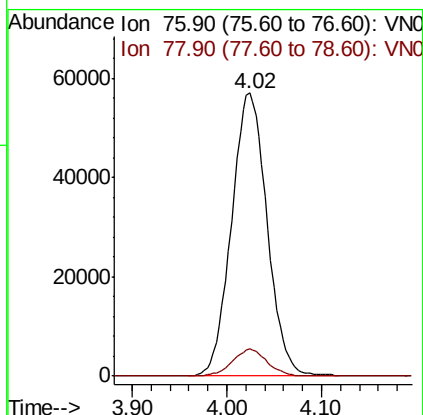
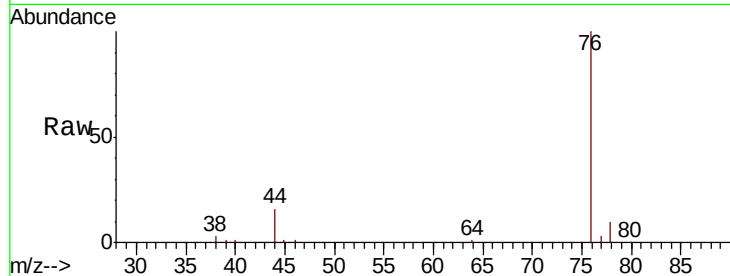




#17
Carbon Disulfide
Concen: 17.222 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

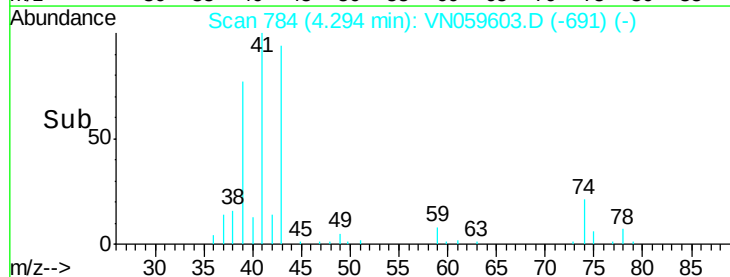
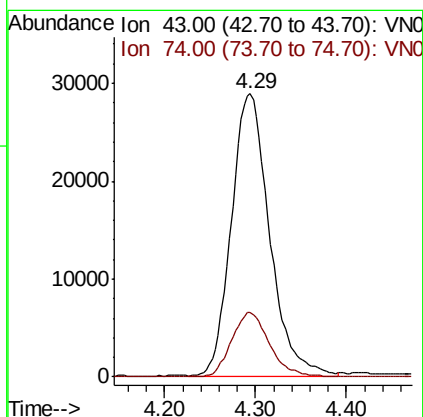
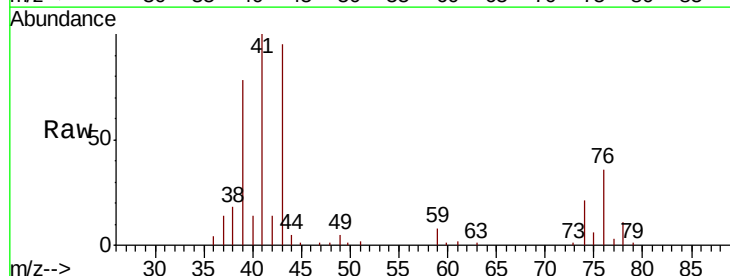
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

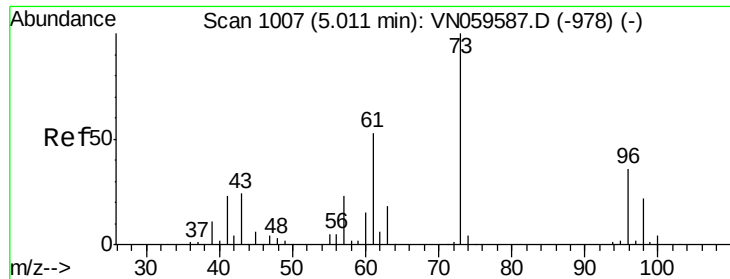
Tgt Ion: 76 Resp: 149164
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 18.876 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion: 43 Resp: 84912
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3

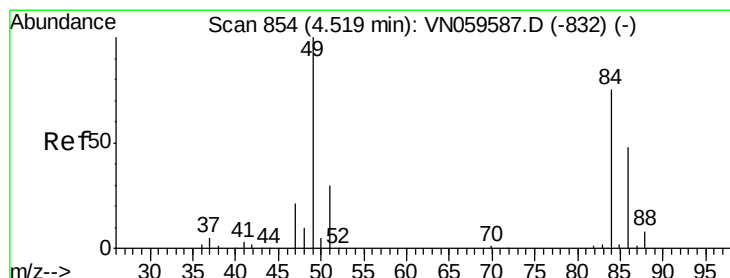
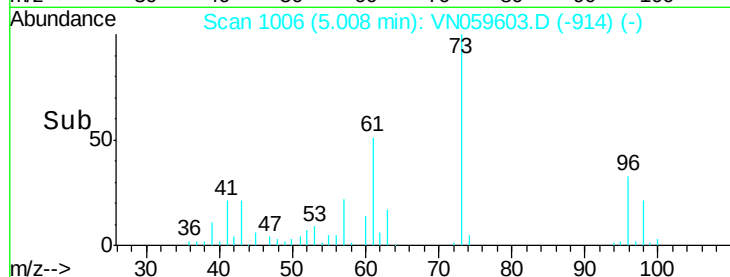
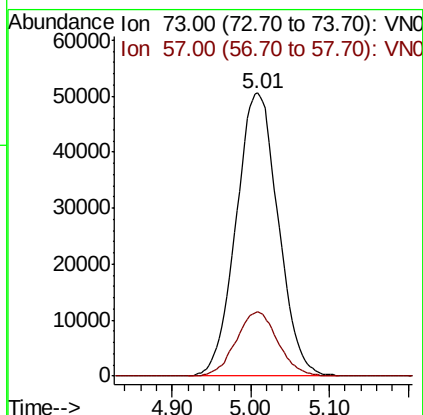
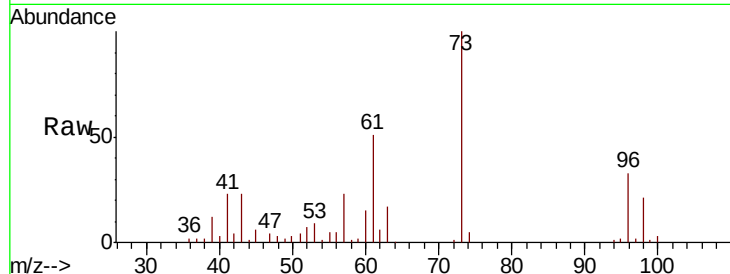




#19
Methyl tert-butyl Ether
Concen: 20.687 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

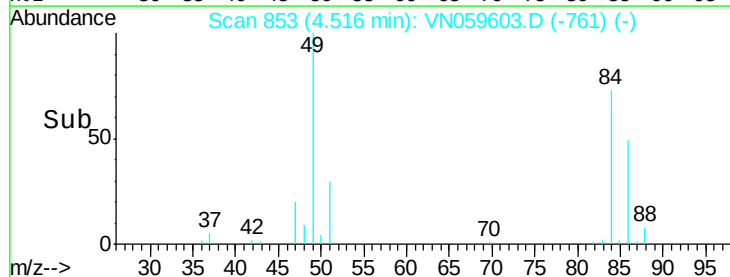
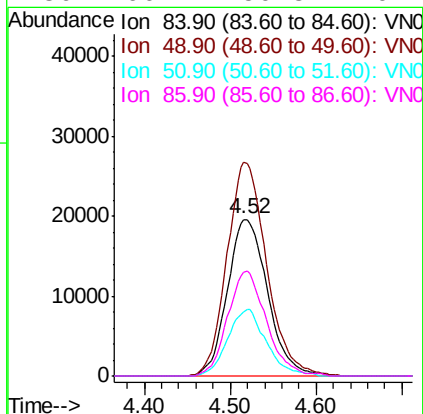
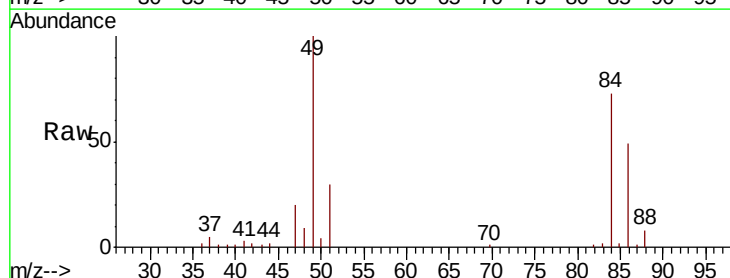
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

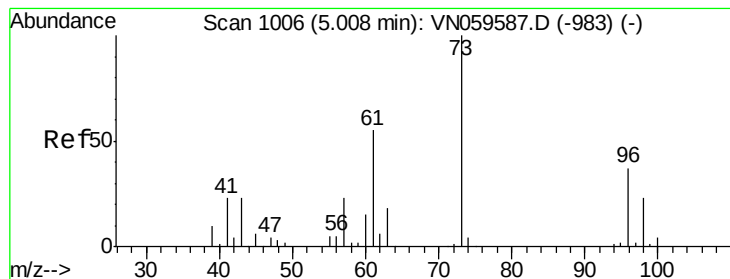
Tgt Ion: 73 Resp: 190370
Ion Ratio Lower Upper
73 100
57 22.6 18.6 27.8



#20
Methylene Chloride
Concen: 20.547 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion: 84 Resp: 63706
Ion Ratio Lower Upper
84 100
49 136.2 106.6 160.0
51 41.0 31.9 47.9
86 66.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.627 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD03

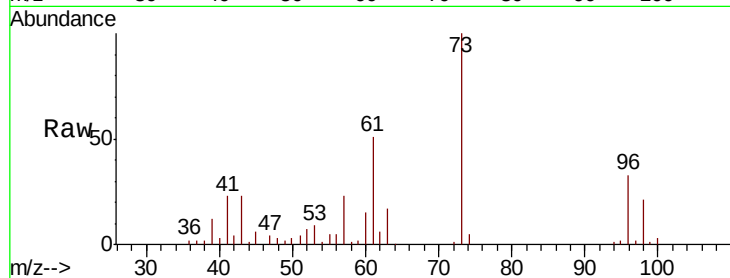
Tgt Ion: 96 Resp: 54120

Ion Ratio Lower Upper

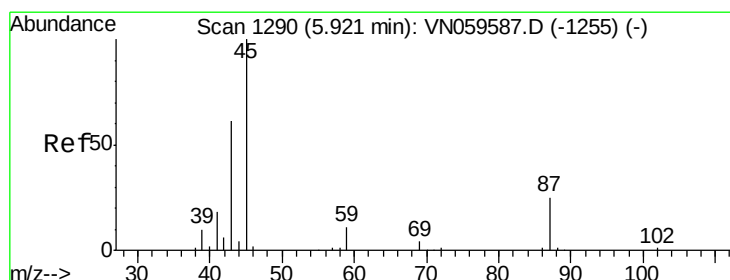
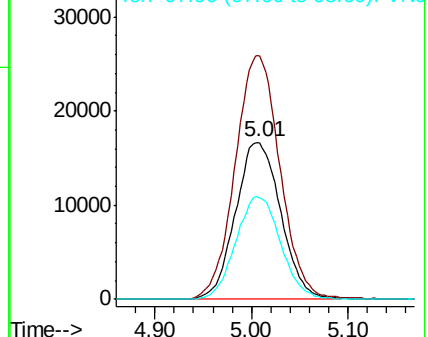
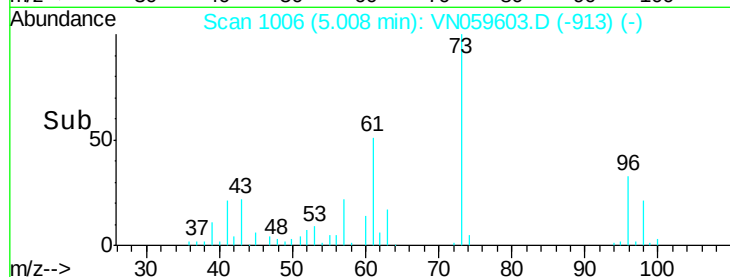
96 100

61 154.9 120.4 180.6

98 64.4 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN059603.D (-913) (-)



#22

Diisopropyl ether

Concen: 20.729 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Tgt Ion: 45 Resp: 204468

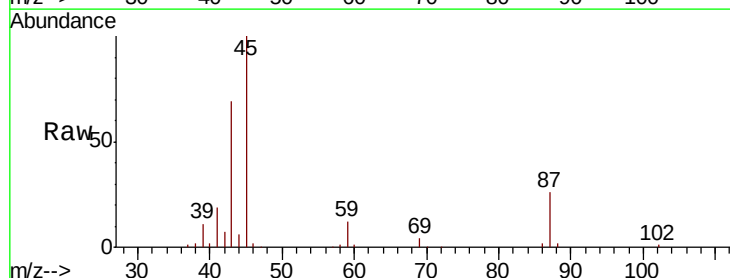
Ion Ratio Lower Upper

45 100

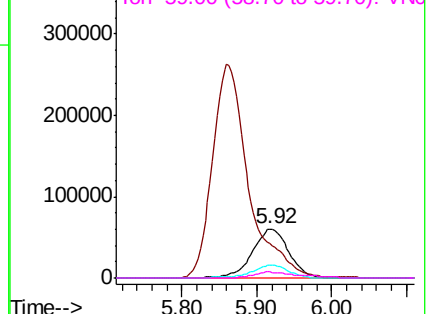
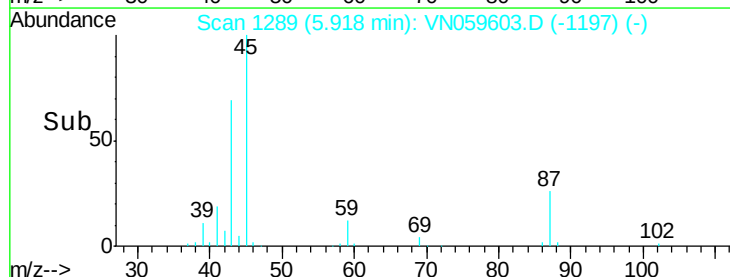
43 67.1 50.8 76.2

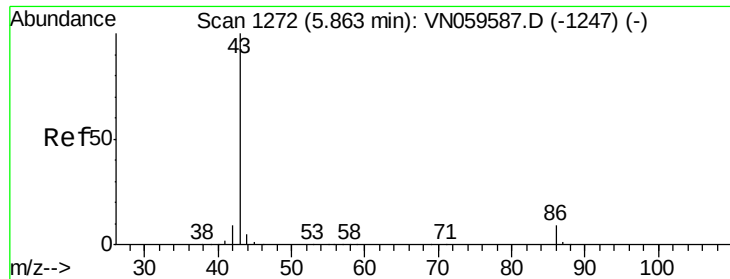
87 26.1 21.0 31.6

59 11.9 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN059603.D (-1197) (-)

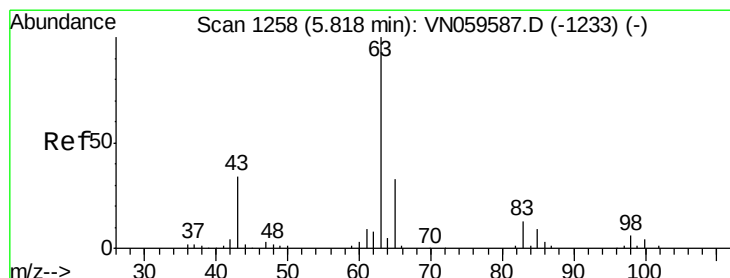
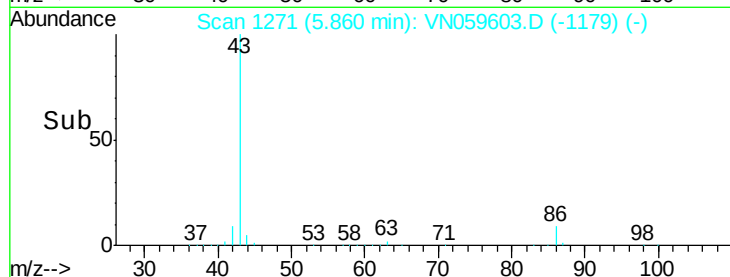
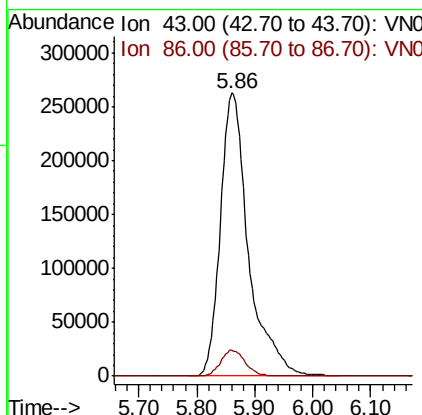
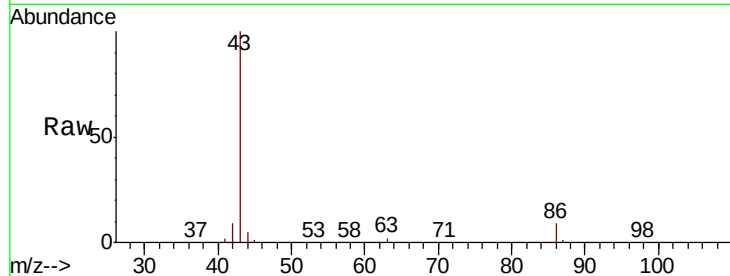




#23
 Vinyl Acetate
 Concen: 114.156 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

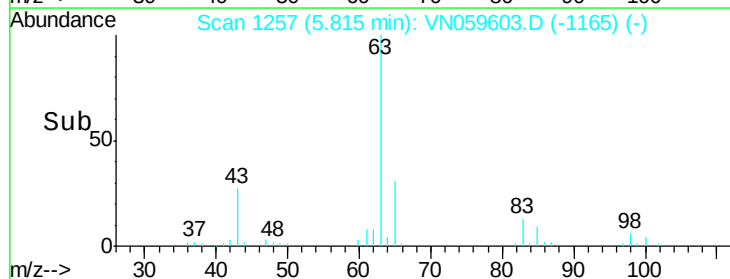
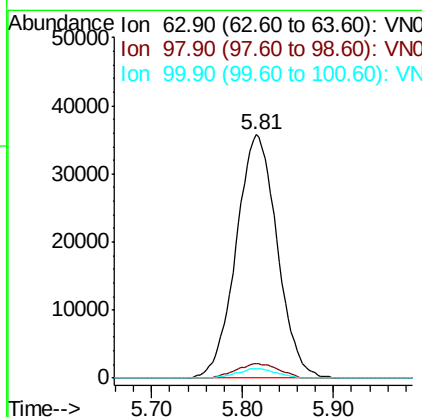
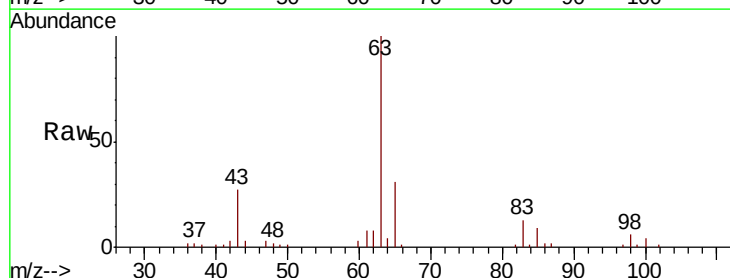
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

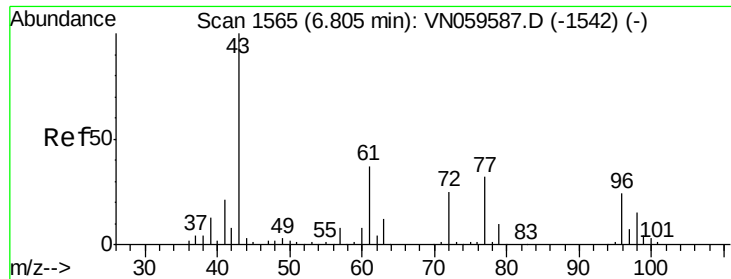
Tgt Ion: 43 Resp: 883667
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 20.026 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion: 63 Resp: 111893
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.7
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 91.433 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

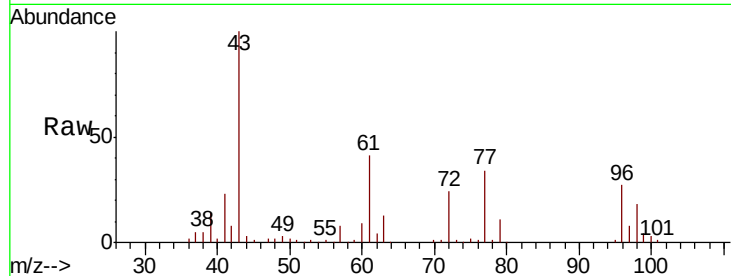
VN1216WBSD03

Tgt Ion: 43 Resp: 234719

Ion Ratio Lower Upper

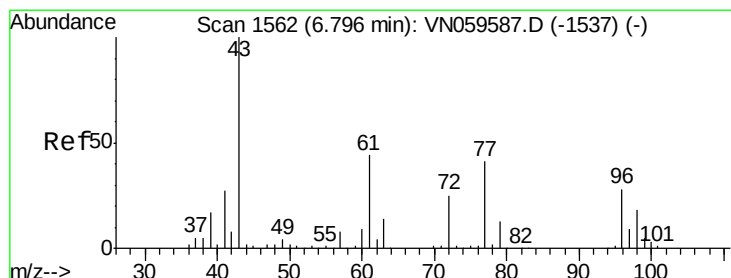
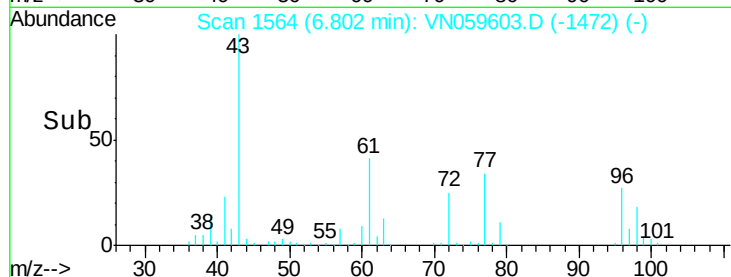
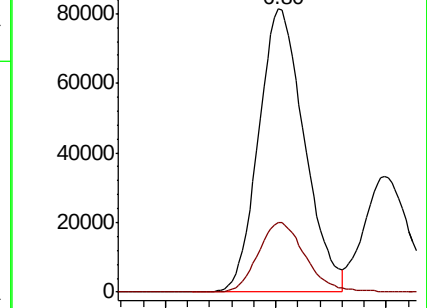
43 100

72 24.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.076 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059603.D

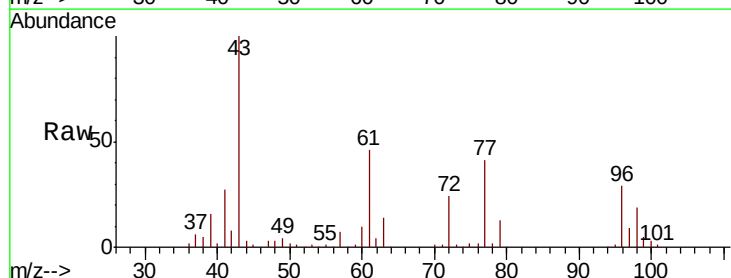
Acq: 16 Dec 2019 15:33

Tgt Ion: 77 Resp: 96872

Ion Ratio Lower Upper

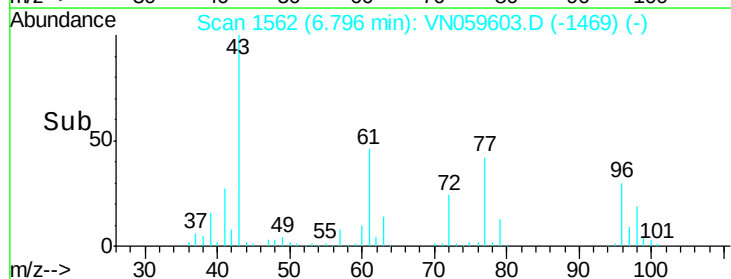
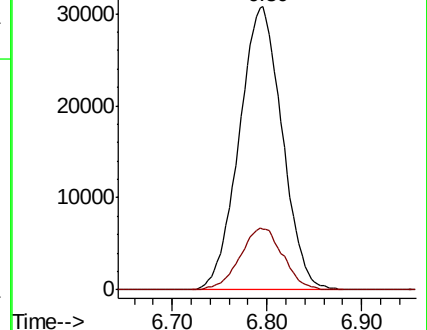
77 100

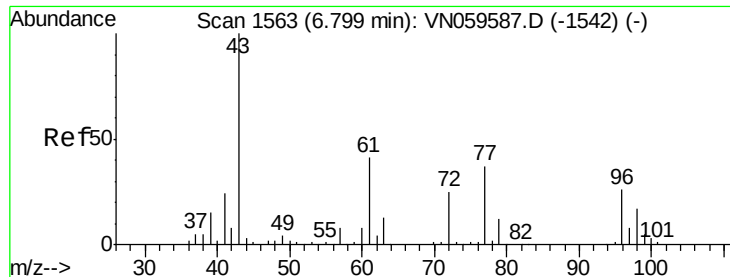
97 21.8 10.7 31.9



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: 20.001 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD03

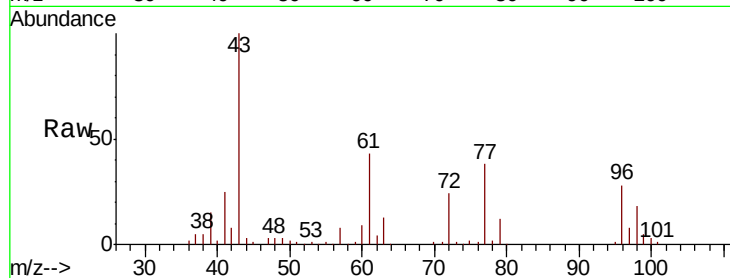
Tgt Ion: 96 Resp: 64394

Ion Ratio Lower Upper

96 100

61 156.9 0.0 317.6

98 64.7 0.0 127.0

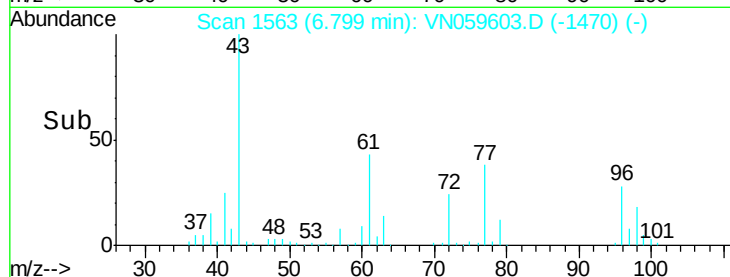


Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1542) (-)

Time-->

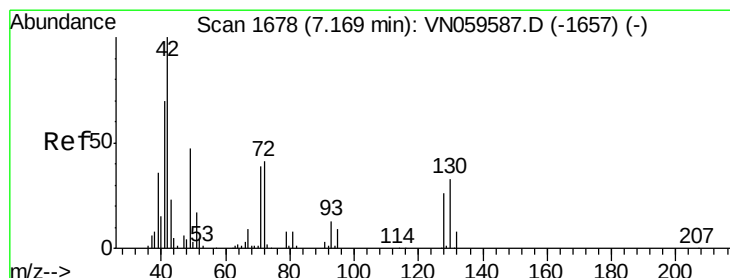


Abundance Ion 95.90 (95.60 to 96.60): VN059603.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059603.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059603.D (-1470) (-)

Time-->



#28

Bromochloromethane

Concen: 36.779 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

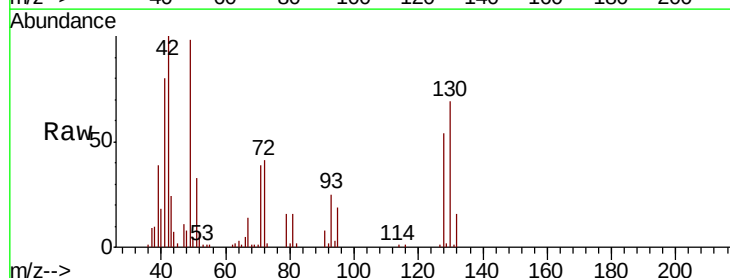
Tgt Ion: 49 Resp: 86059

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

130 70.8 54.7 82.1

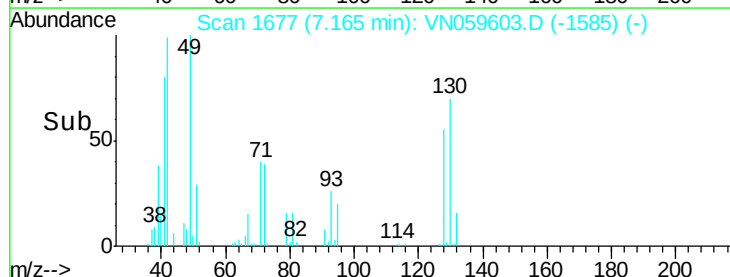


Abundance Ion 48.90 (48.60 to 49.60): VN059587.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059587.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059587.D (-1657) (-)

Time-->

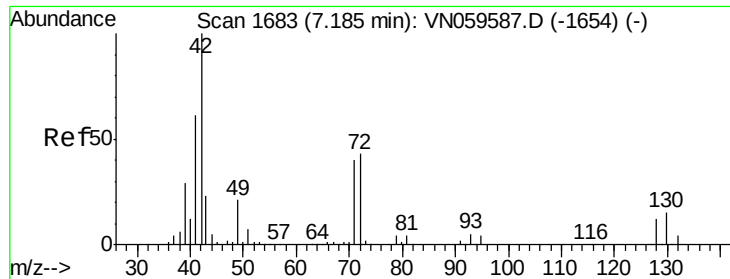


Abundance Ion 48.90 (48.60 to 49.60): VN059603.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059603.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059603.D (-1585) (-)

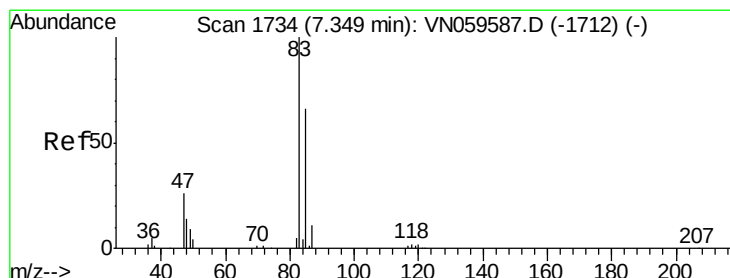
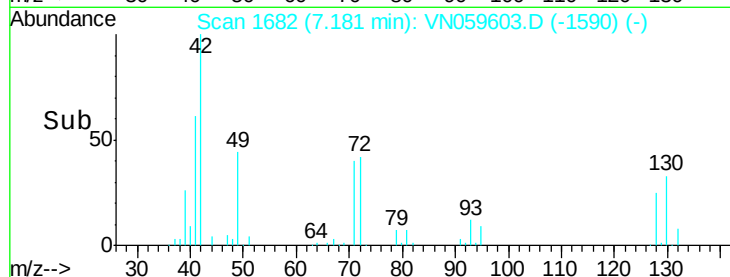
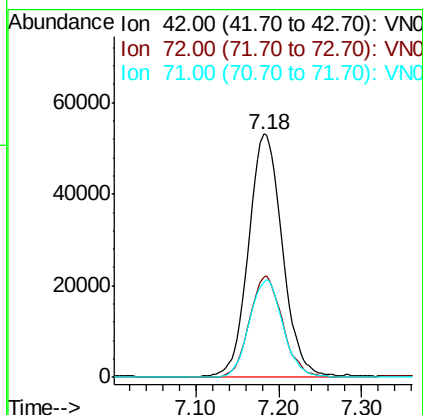
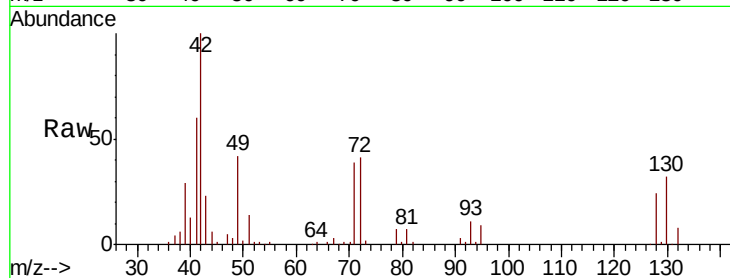
Time-->



#29
Tetrahydrofuran
Concen: 96.692 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

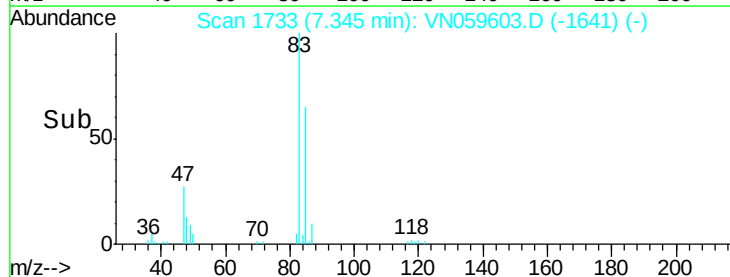
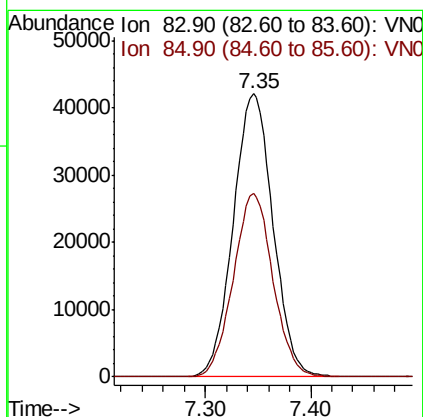
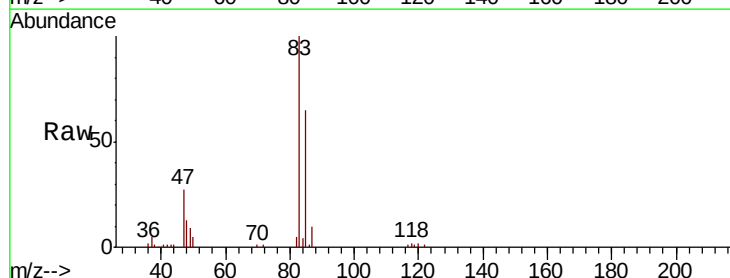
Instrument :
MSVOA_N
ClientSampled :
VN1216WBSD03

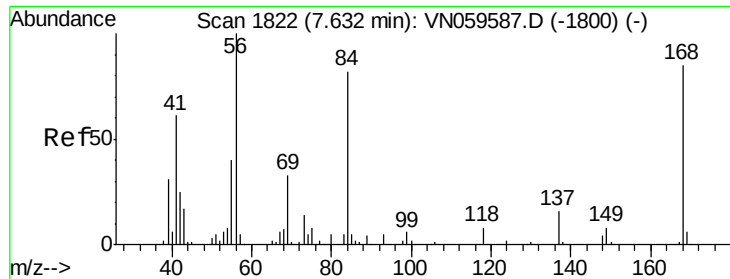
Tgt Ion: 42 Resp: 151236
Ion Ratio Lower Upper
42 100
72 40.9 33.1 49.7
71 39.6 31.4 47.0



#30
Chloroform
Concen: 20.005 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion: 83 Resp: 110026
Ion Ratio Lower Upper
83 100
85 64.9 52.4 78.6

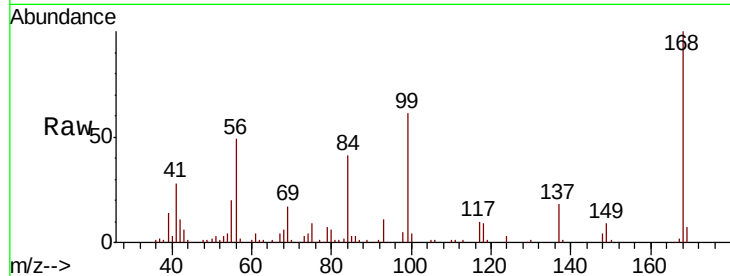




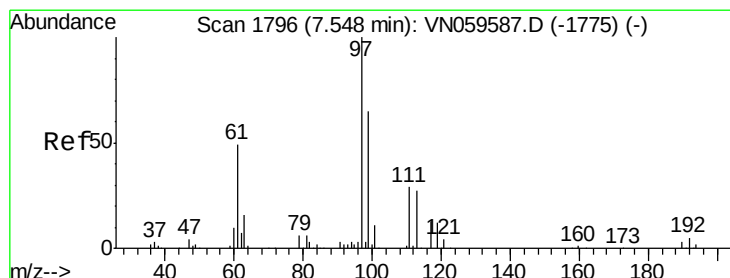
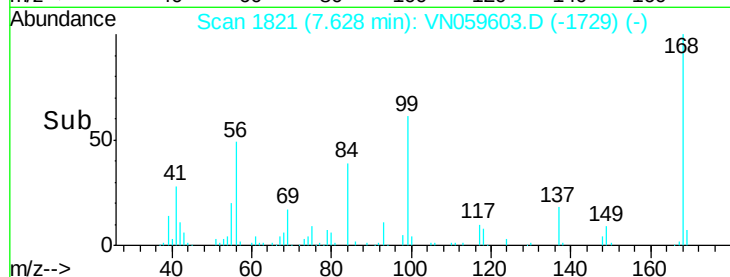
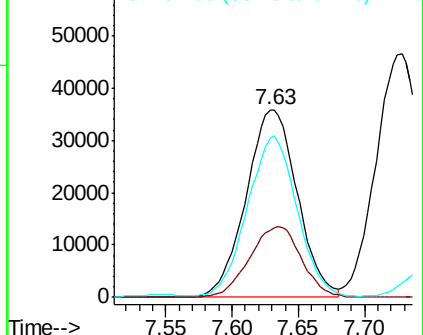
#31
Cyclohexane
Concen: 18.292 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

Tgt Ion: 56 Resp: 96574
Ion Ratio Lower Upper
56 100
69 36.0 26.5 39.7
84 84.1 65.3 97.9

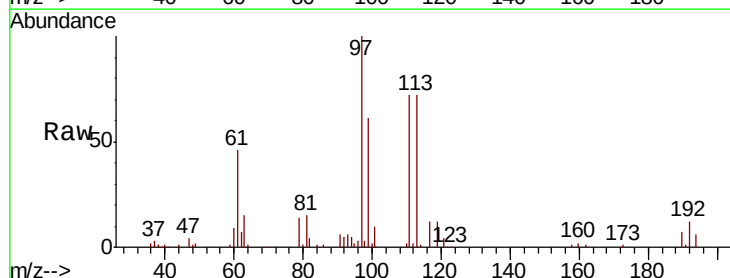


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

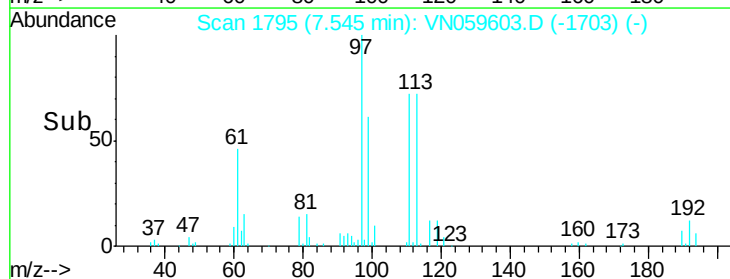
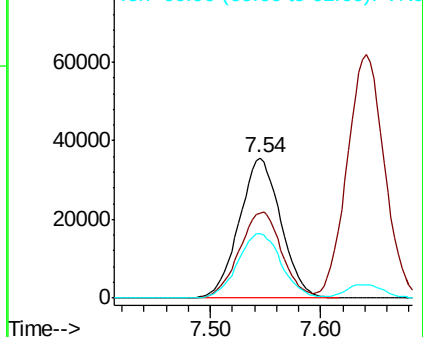


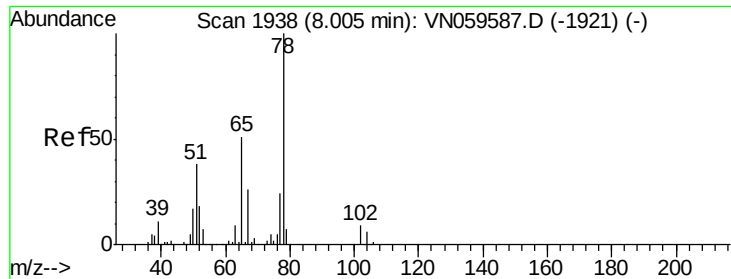
#32
1,1,1-Trichloroethane
Concen: 18.779 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion: 97 Resp: 93117
Ion Ratio Lower Upper
97 100
99 62.5 51.0 76.4
61 48.2 38.5 57.7



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

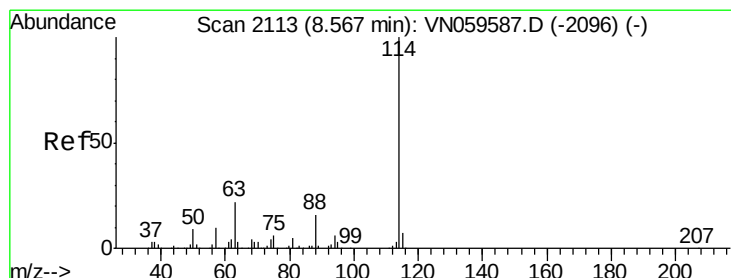
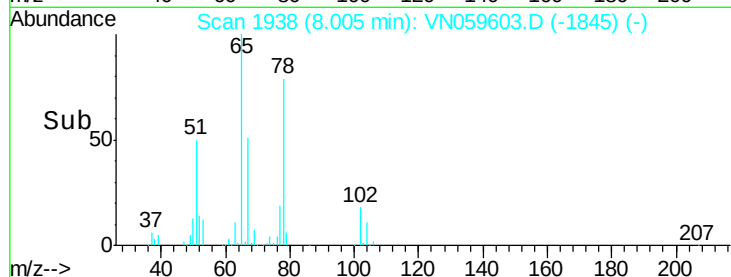
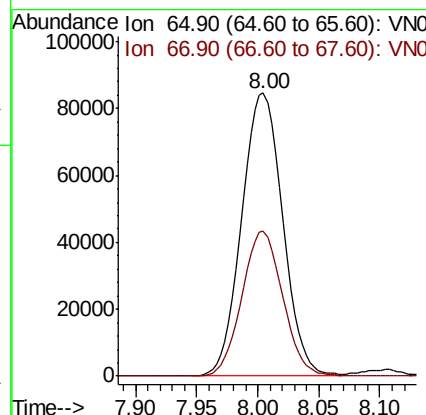
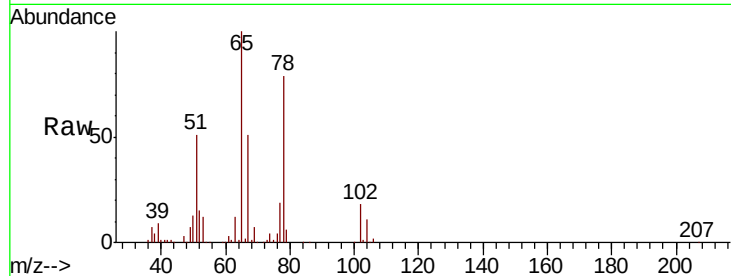




#33
 1,2-Dichloroethane-d4
 Concen: 54.593 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

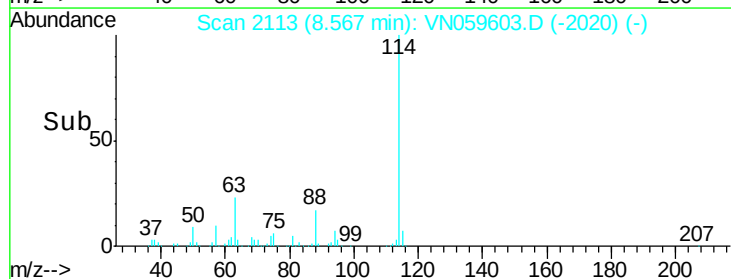
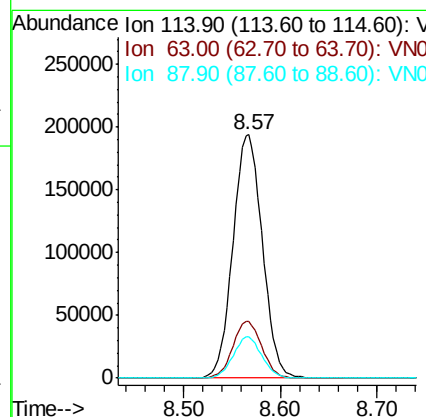
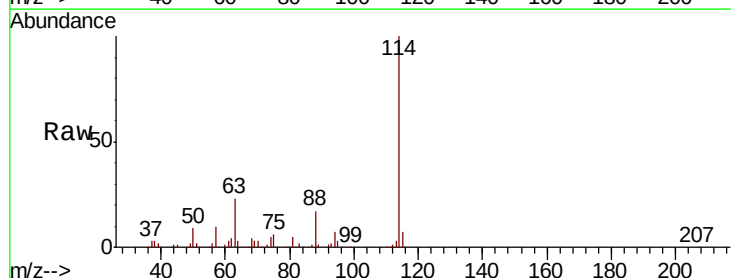
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

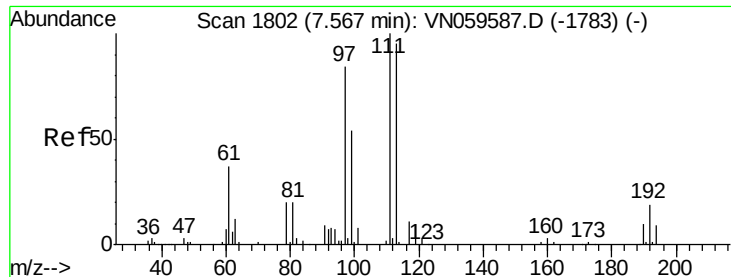
Tgt Ion: 65 Resp: 197400
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion: 114 Resp: 409705
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 43.6
 88 16.8 0.0 31.4

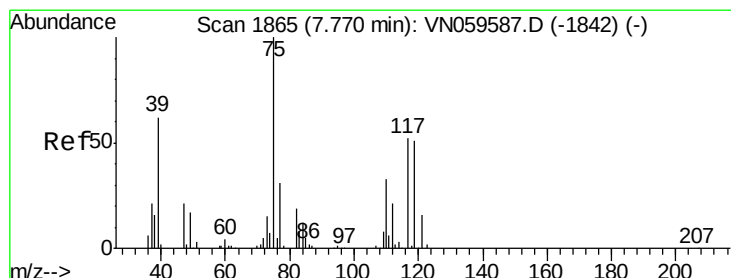
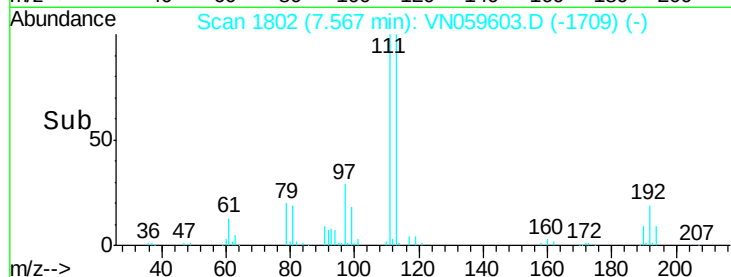
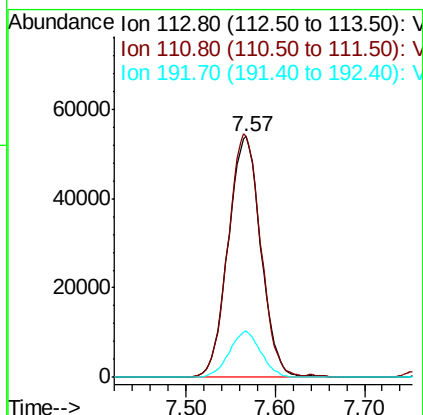
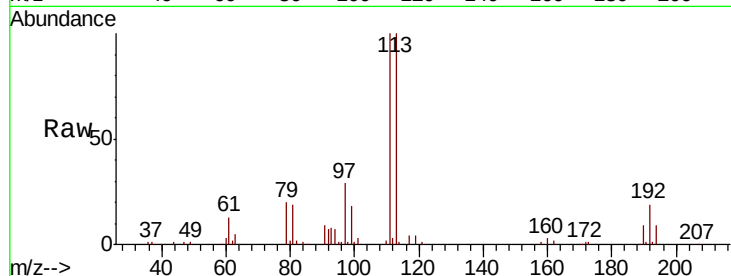




#35
 Dibromofluoromethane
 Concen: 53.386 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

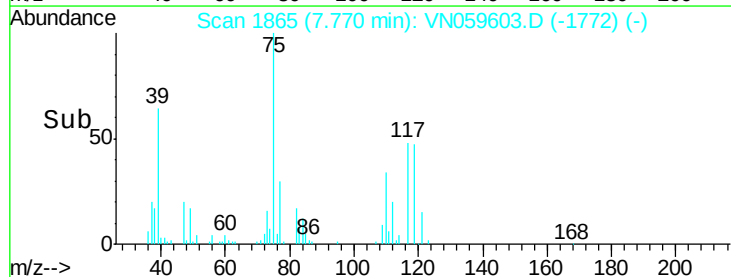
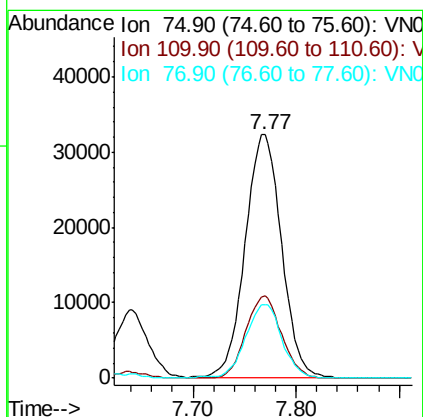
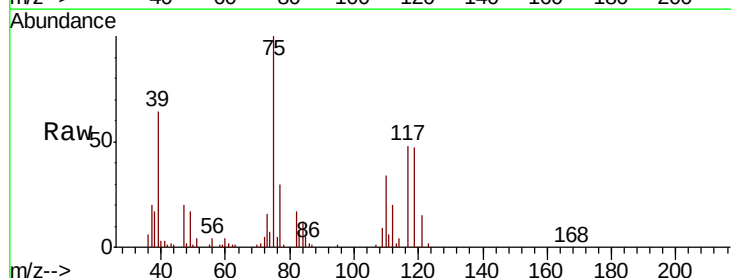
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

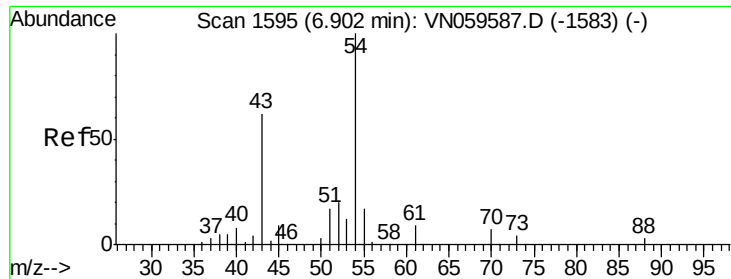
Tgt Ion: 113 Resp: 136854
 Ion Ratio Lower Upper
 113 100
 111 100.7 83.5 125.3
 192 18.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 18.578 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion: 75 Resp: 79376
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.6 49.7
 77 29.9 25.1 37.7

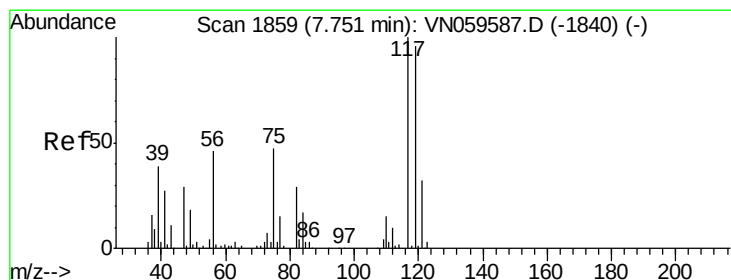
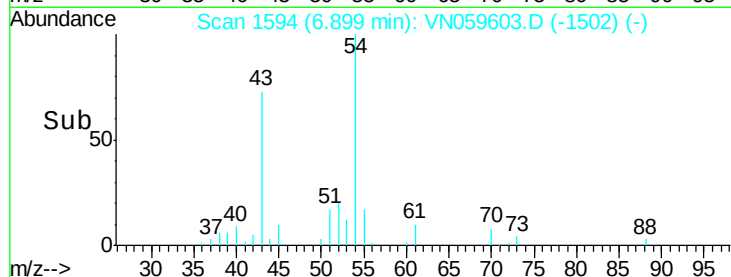
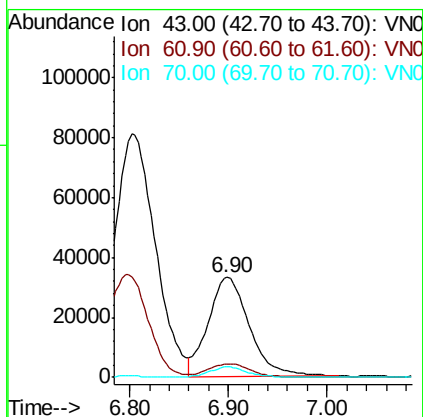
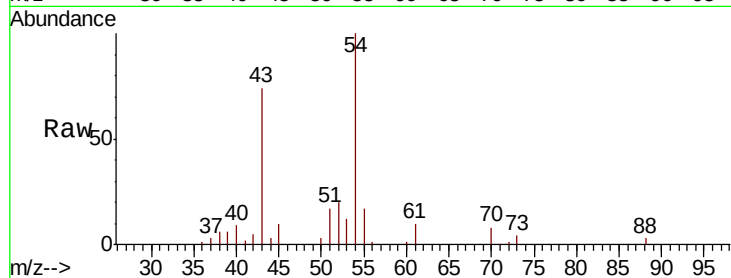




#37
Ethyl Acetate
 Concen: 19.392 ug/l
 RT: 6.90 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

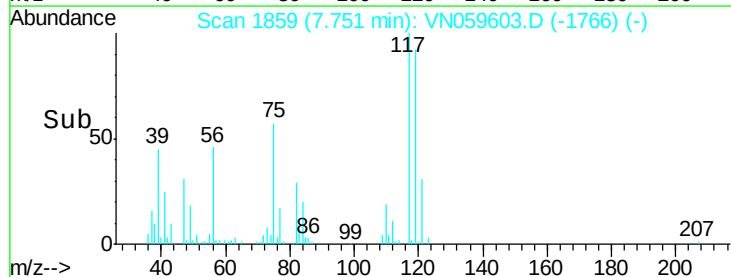
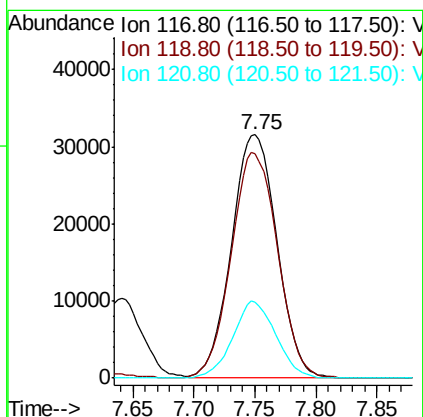
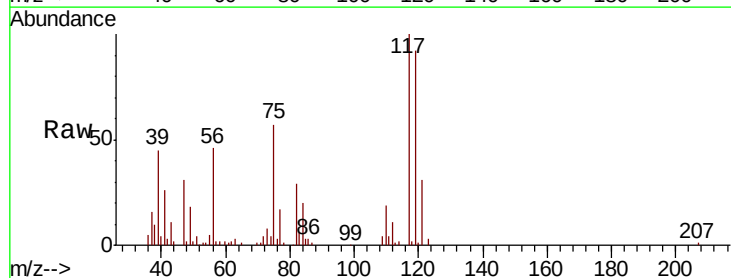
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

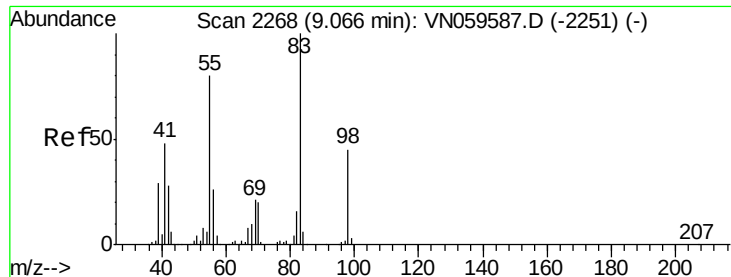
Tgt Ion: 43 Resp: 96297
 Ion Ratio Lower Upper
 43 100
 61 14.2 10.9 16.3
 70 9.5 7.7 11.5



#38
Carbon Tetrachloride
 Concen: 18.394 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion: 117 Resp: 81553
 Ion Ratio Lower Upper
 117 100
 119 92.0 76.5 114.7
 121 31.4 25.1 37.7

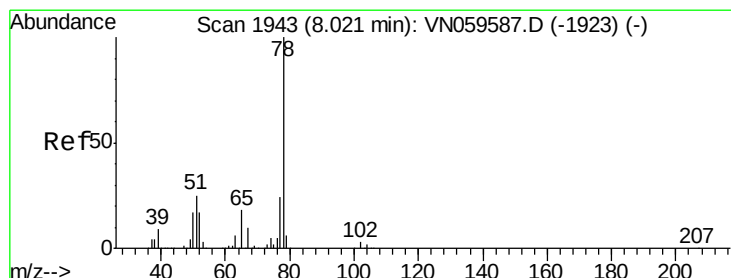
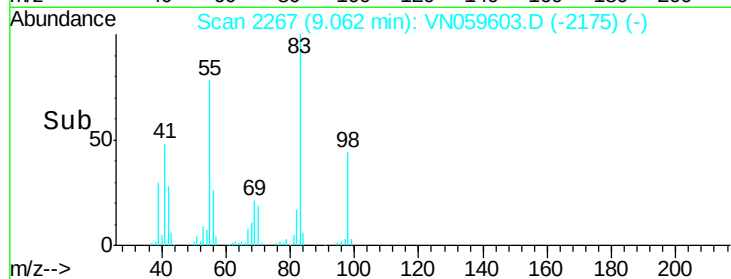
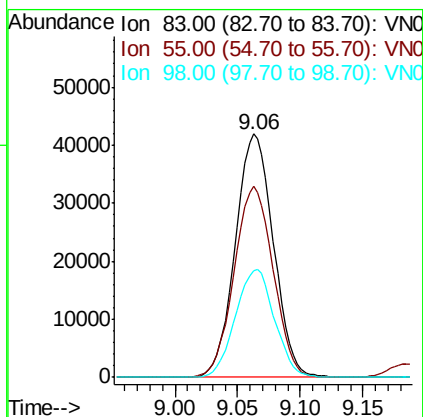
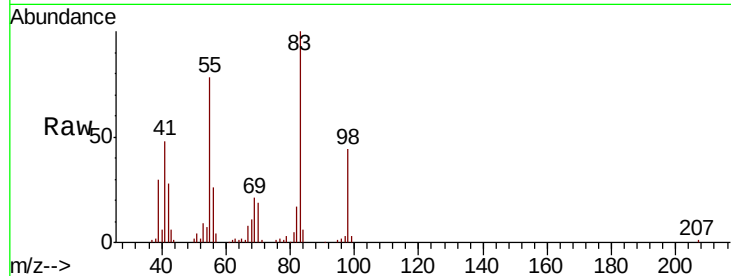




#39
Methylcyclohexane
Concen: 18.245 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

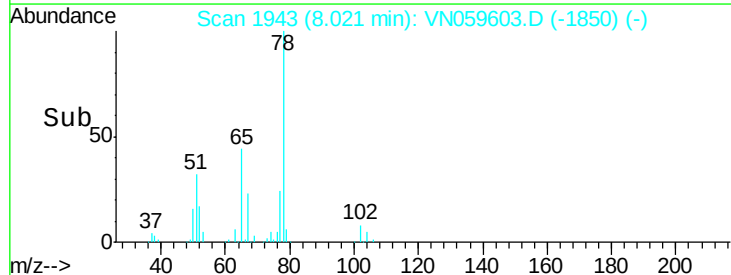
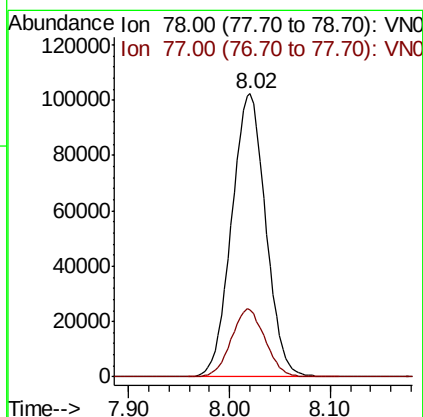
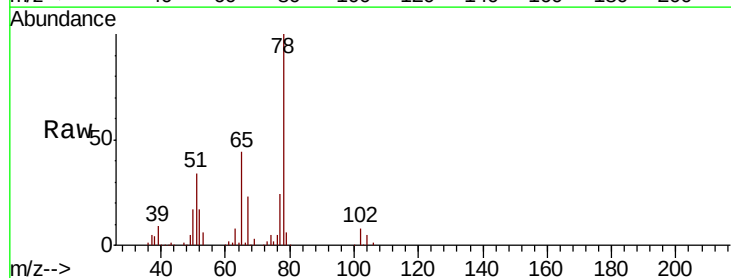
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

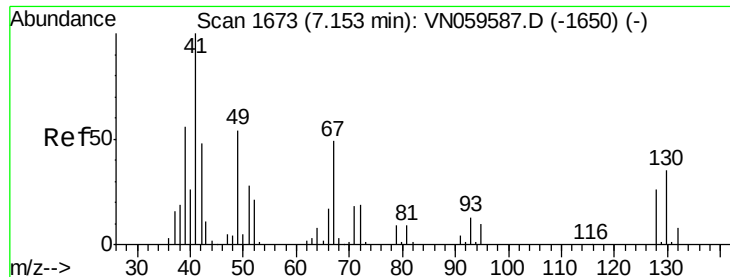
Tgt Ion: 83 Resp: 88421
Ion Ratio Lower Upper
83 100
55 78.3 64.2 96.2
98 43.6 35.9 53.9



#40
Benzene
Concen: 19.229 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion: 78 Resp: 240102
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

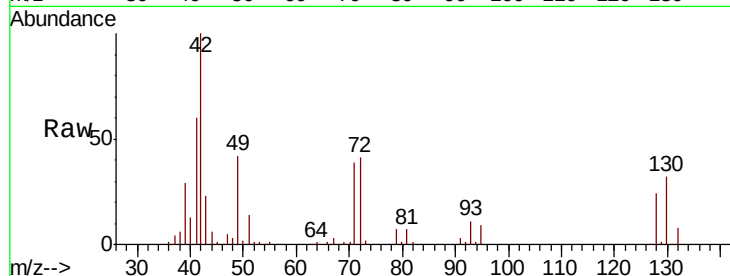




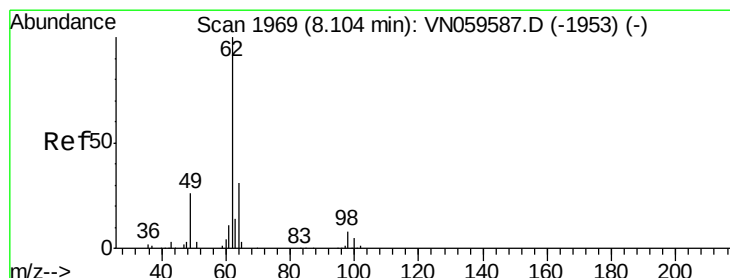
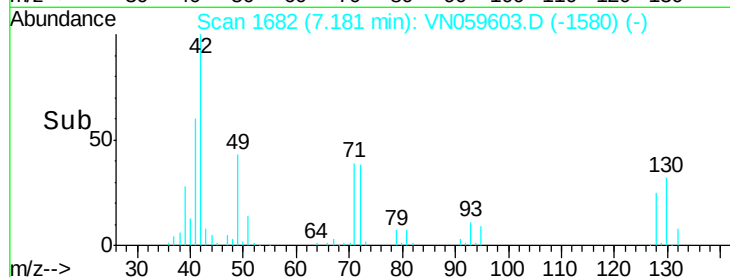
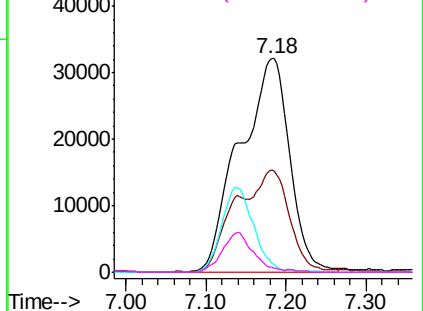
#41
Methacrylonitrile
Concen: 67.225 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

Tgt Ion:	41	Resp:	137773
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

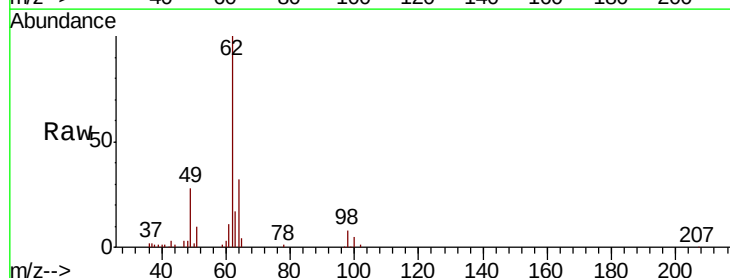


Abundance Ion 41.00 (40.70 to 41.70): VN059587.D (-1650) (-)
Ion 39.00 (38.70 to 39.70): VN059587.D (-1650) (-)
Ion 67.00 (66.70 to 67.70): VN059587.D (-1650) (-)
Ion 52.00 (51.70 to 52.70): VN059587.D (-1650) (-)

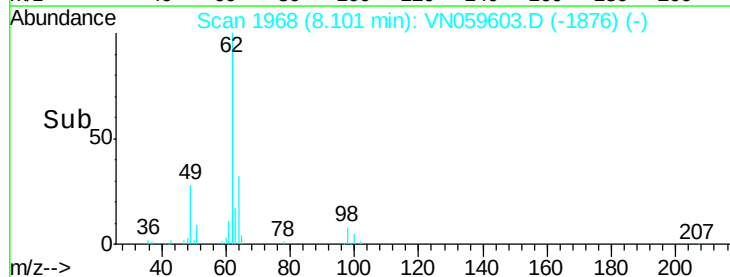
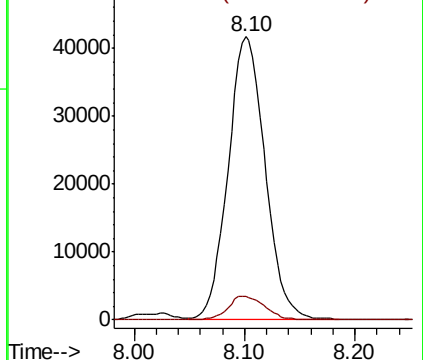


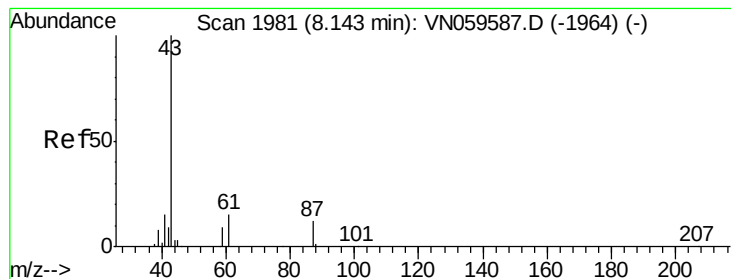
#42
1,2-Dichloroethane
Concen: 20.319 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion:	62	Resp:	97160
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059587.D (-1953) (-)
Ion 97.90 (97.60 to 98.60): VN059587.D (-1953) (-)





#43

Isopropyl Acetate

Concen: 19.616 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD03

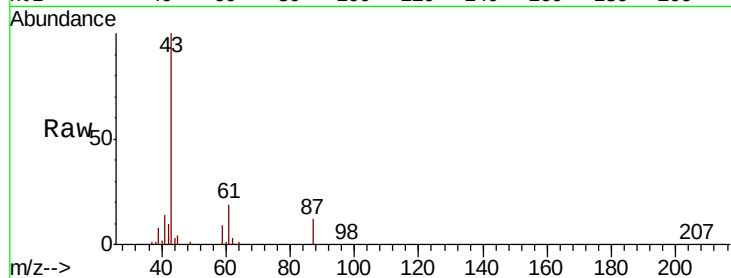
Tgt Ion: 43 Resp: 151452

Ion Ratio Lower Upper

43 100

61 25.2 20.2 30.2

87 12.1 9.5 14.3

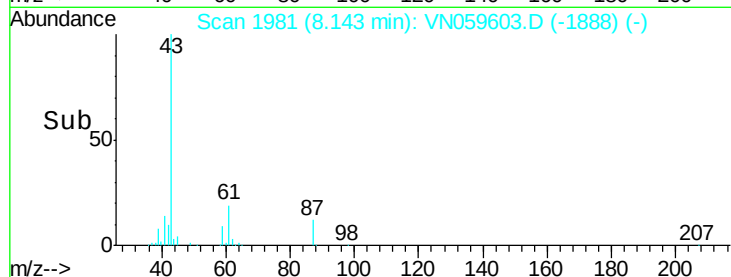


Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059587.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059587.D (-1964) (-)

Time-->

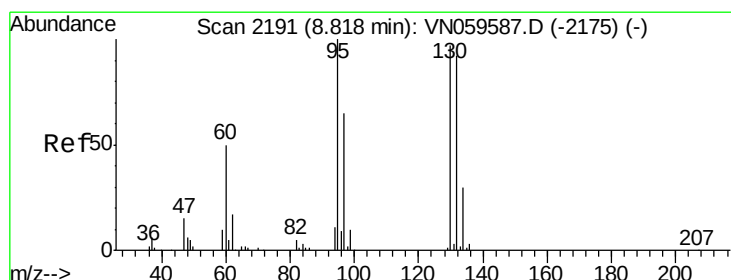


Abundance Ion 43.00 (42.70 to 43.70): VN059603.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059603.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059603.D (-1888) (-)

Time-->



#44

Trichloroethene

Concen: 18.781 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059603.D

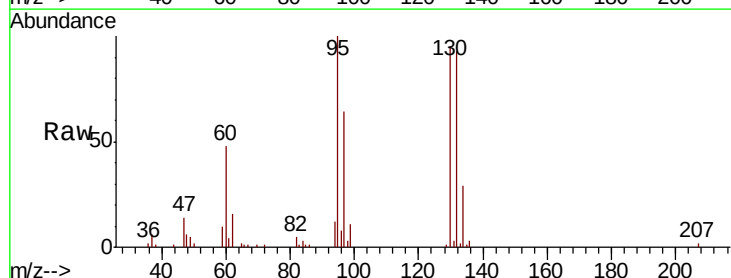
Acq: 16 Dec 2019 15:33

Tgt Ion: 130 Resp: 61424

Ion Ratio Lower Upper

130 100

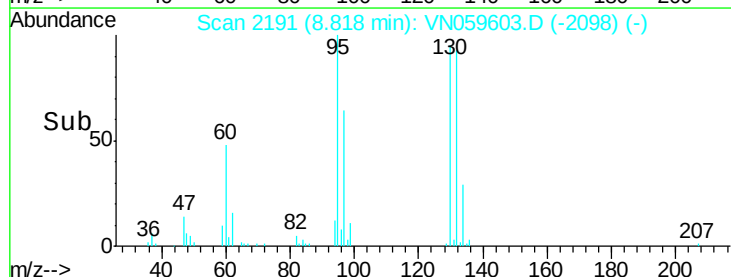
95 105.2 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059587.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059587.D (-2175) (-)

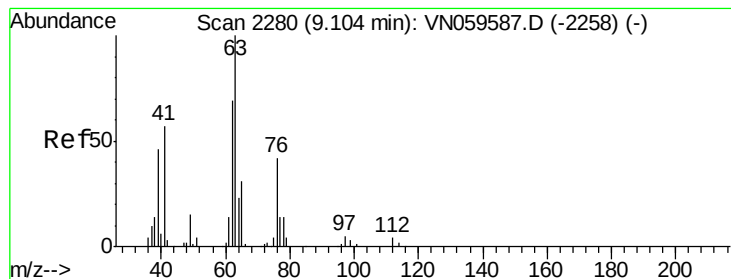
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN059603.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059603.D (-2098) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 19.911 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

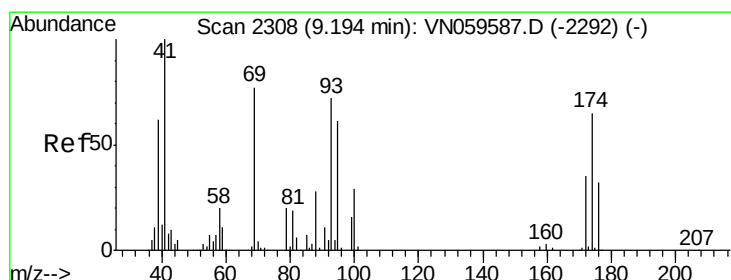
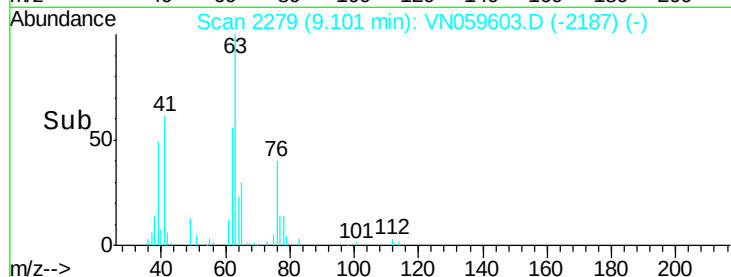
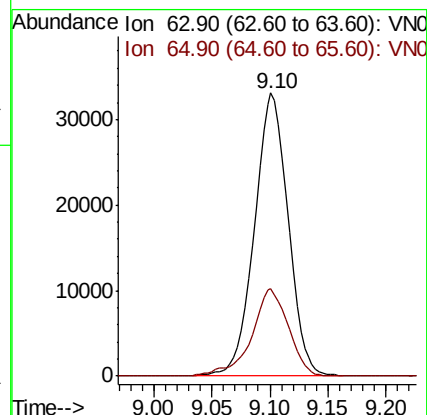
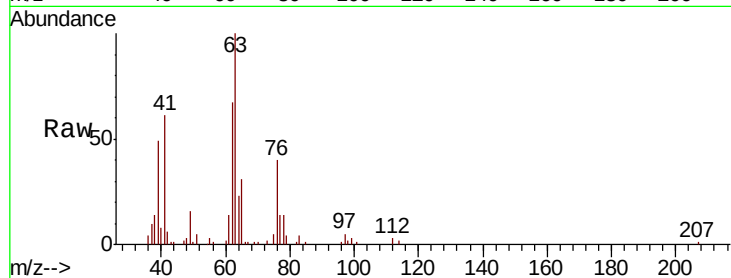
VN1216WBSD03

Tgt Ion: 63 Resp: 67134

Ion Ratio Lower Upper

63 100

65 30.8 24.9 37.3



#46

Dibromomethane

Concen: 19.794 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

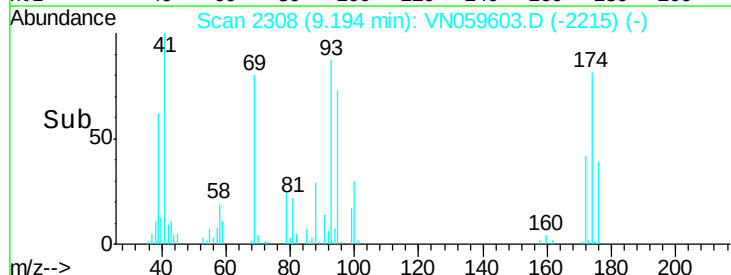
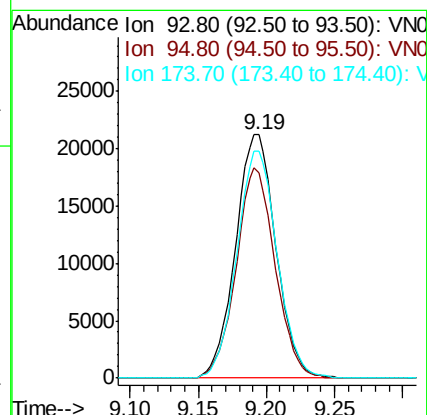
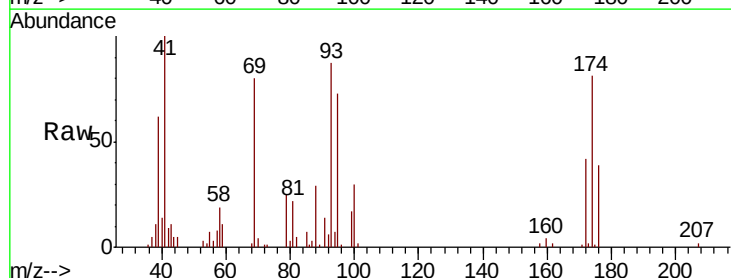
Tgt Ion: 93 Resp: 43724

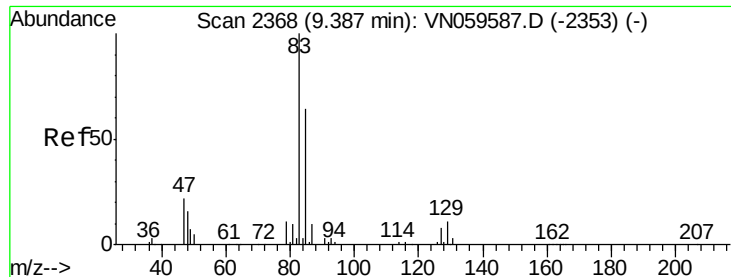
Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.6

174 93.1 73.4 110.2





#47

Bromodichloromethane

Concen: 20.191 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD03

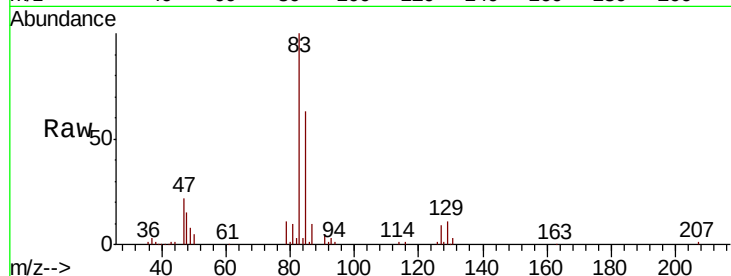
Tgt Ion: 83 Resp: 88925

Ion Ratio Lower Upper

83 100

85 62.7 51.1 76.7

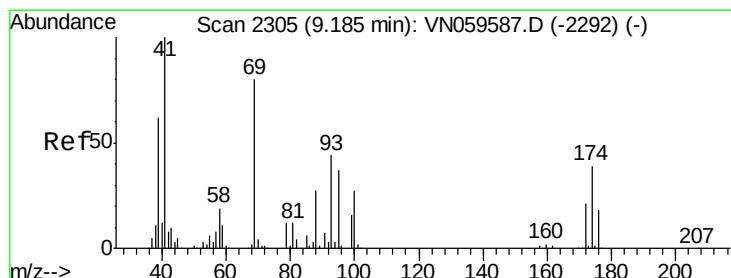
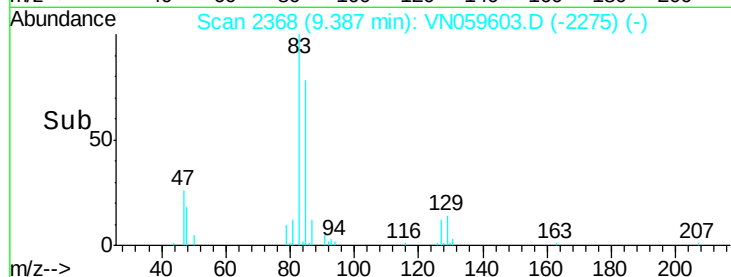
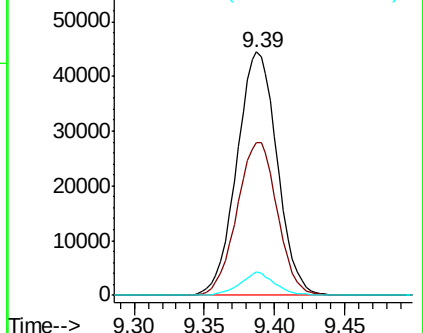
127 9.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059603.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059603.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059603.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.663 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

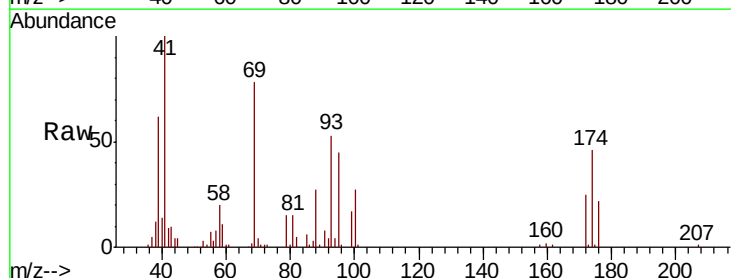
Tgt Ion: 41 Resp: 65374

Ion Ratio Lower Upper

41 100

69 80.9 64.4 96.6

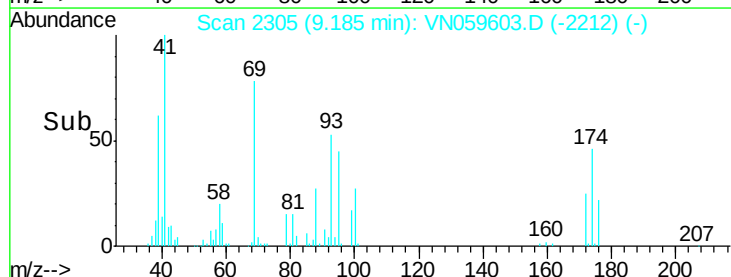
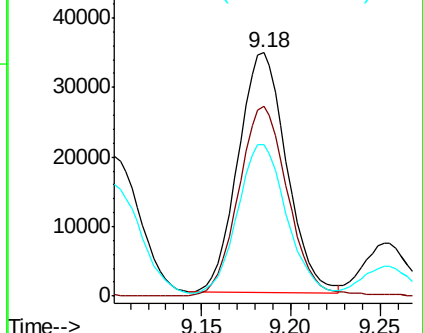
39 64.4 51.3 76.9

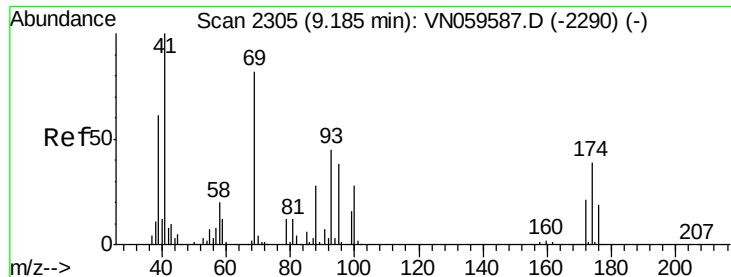


Abundance Ion 41.00 (40.70 to 41.70): VN059603.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059603.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059603.D (-2212) (-)

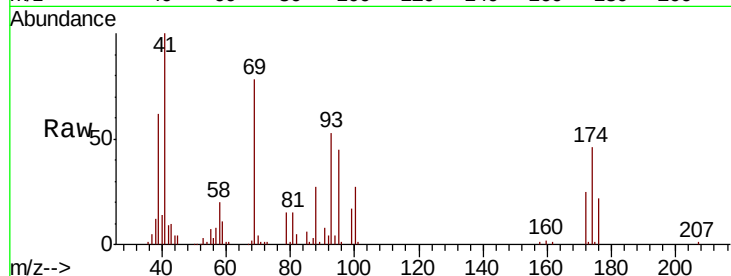




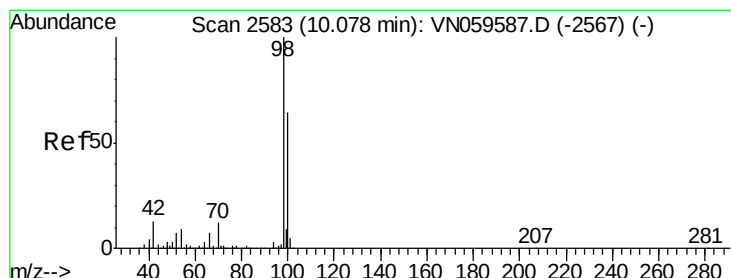
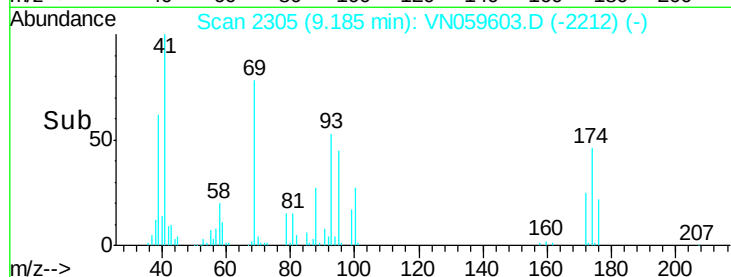
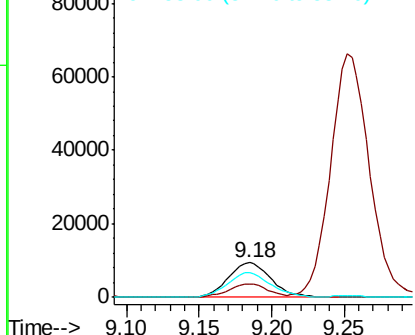
#49
 1,4-Dioxane
 Concen: 388.202 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

Tgt Ion: 88 Resp: 19487
 Ion Ratio Lower Upper
 88 100
 43 36.2 29.7 44.5
 58 72.6 56.6 85.0

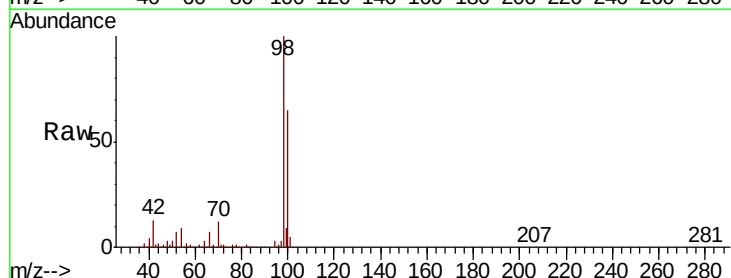


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

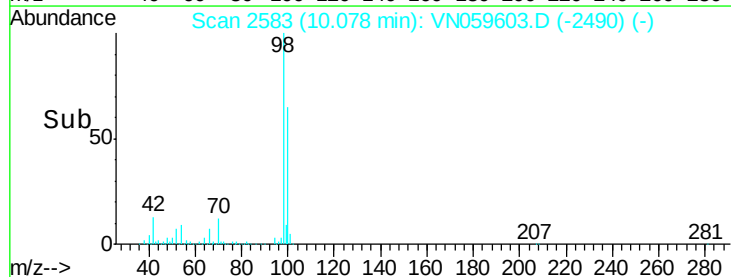
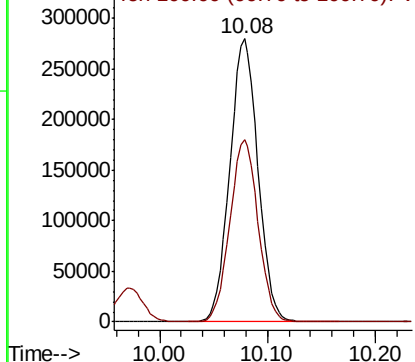


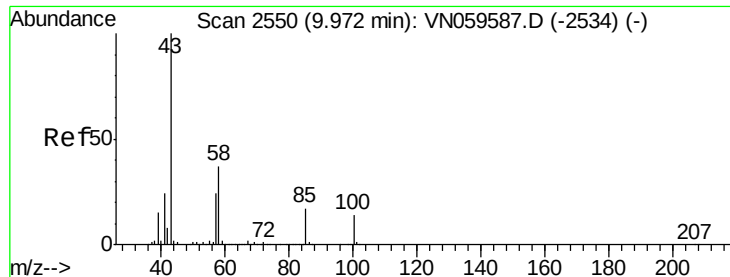
#50
 Toluene-d8
 Concen: 50.228 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion: 98 Resp: 509775
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.2 76.8



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

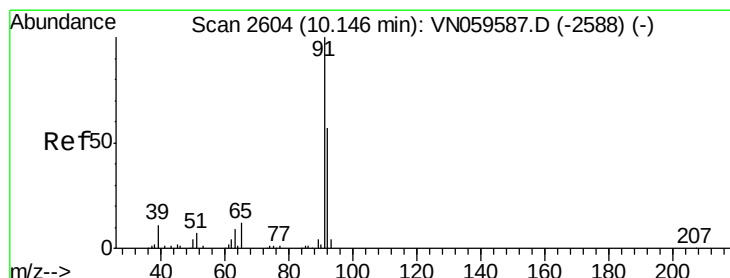
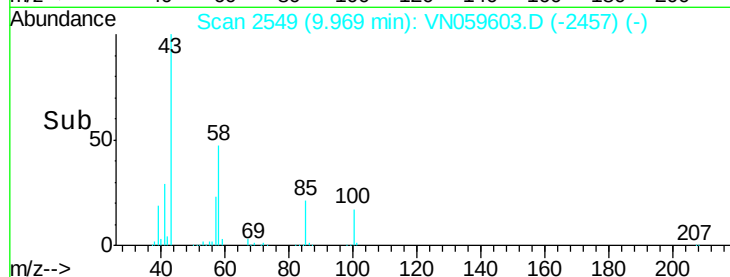
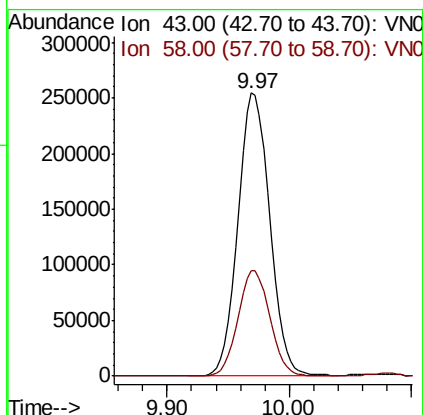
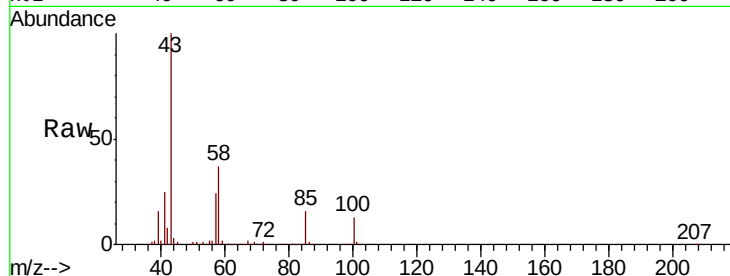




#51
 4-Methyl-2-Pentanone
 Concen: 99.602 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

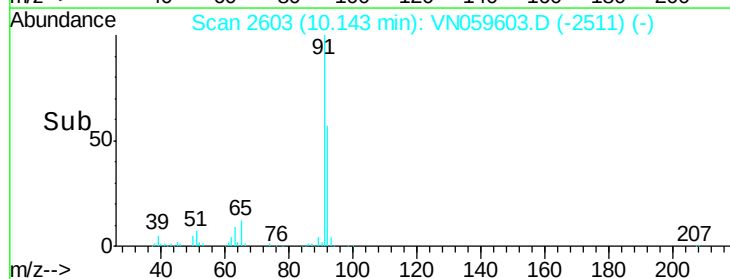
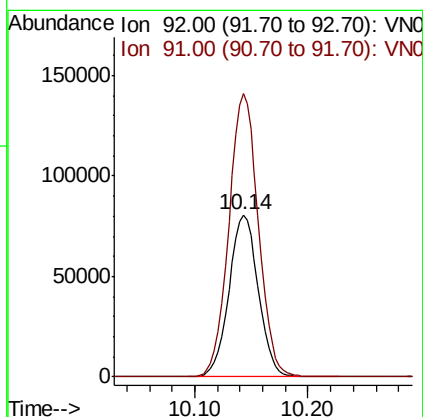
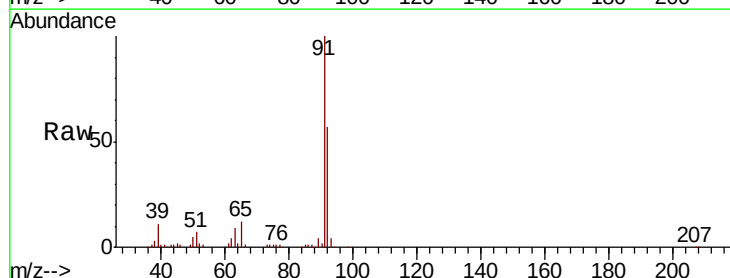
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

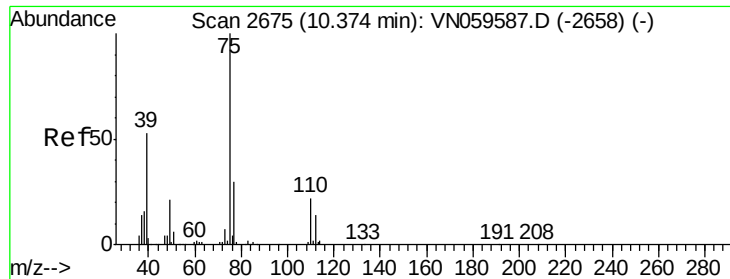
Tgt Ion: 43 Resp: 458493
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.8 44.8



#52
 Toluene
 Concen: 18.869 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion: 92 Resp: 144759
 Ion Ratio Lower Upper
 92 100
 91 176.2 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.857 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

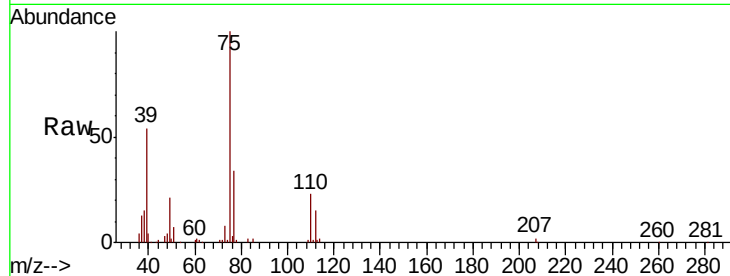
VN1216WBSD03

Tgt Ion: 75 Resp: 101143

Ion Ratio Lower Upper

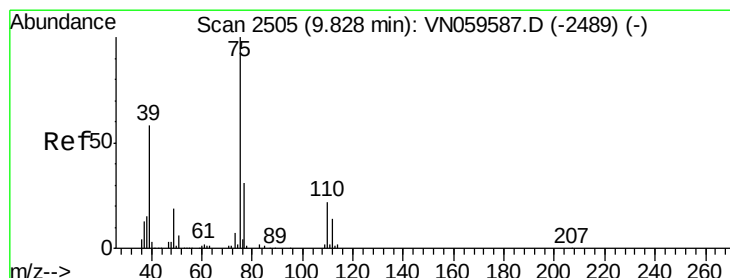
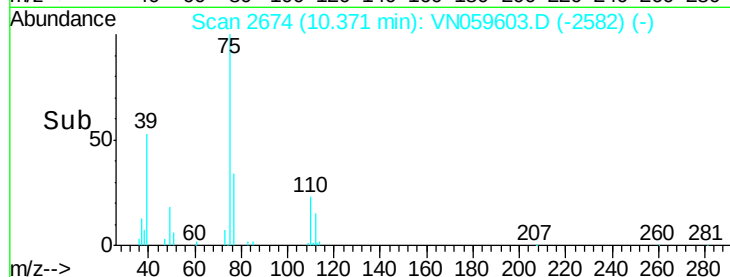
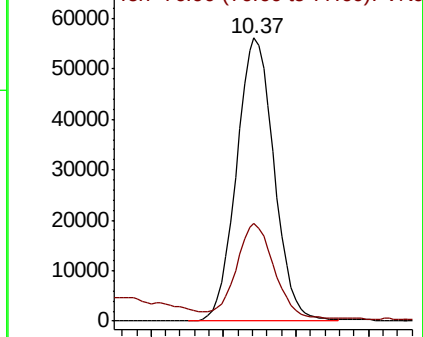
75 100

77 33.4 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.759 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

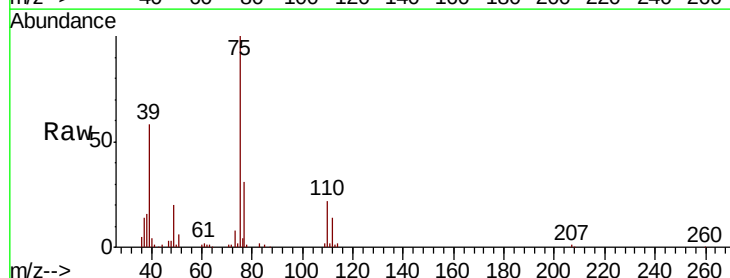
Tgt Ion: 75 Resp: 105791

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

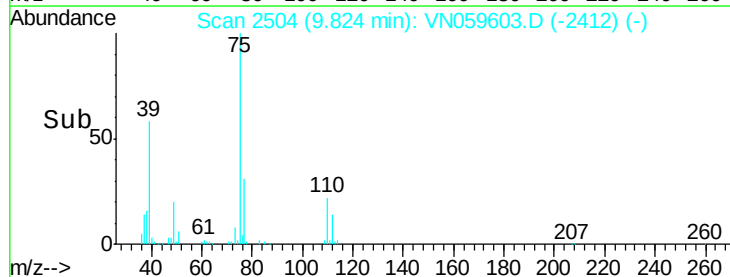
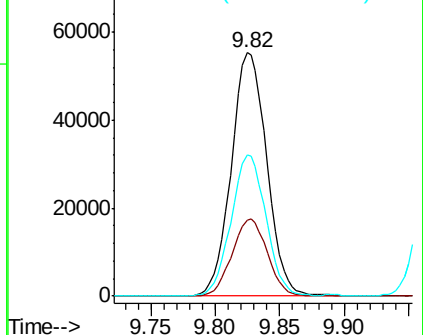
39 58.2 46.1 69.1

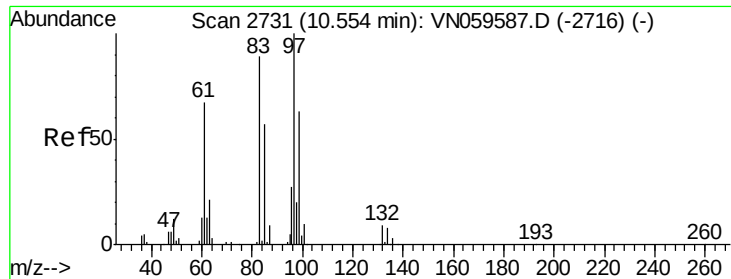


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

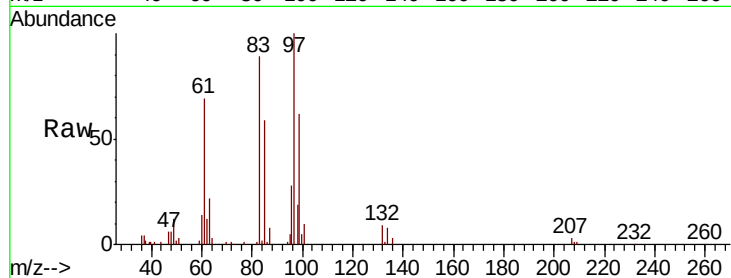




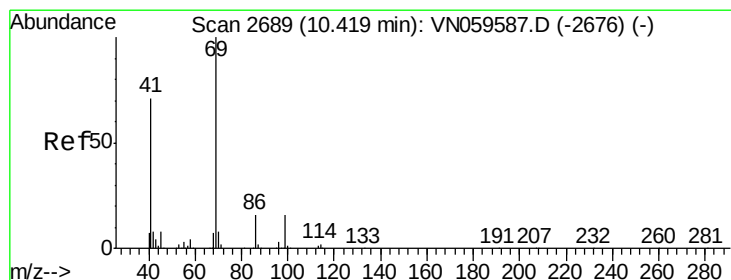
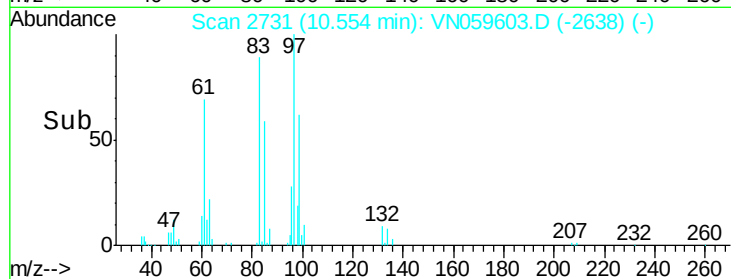
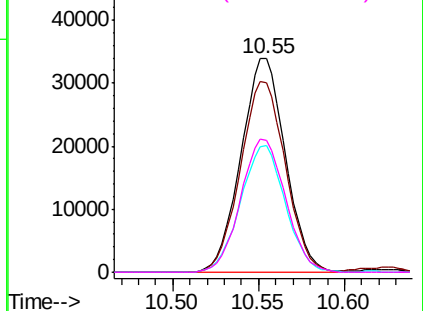
#55
 1,1,2-Trichloroethane
 Concen: 20.179 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

Tgt Ion: 97 Resp: 60748
 Ion Ratio Lower Upper
 97 100
 83 88.8 71.3 106.9
 85 59.1 45.8 68.8
 99 61.5 50.0 75.0

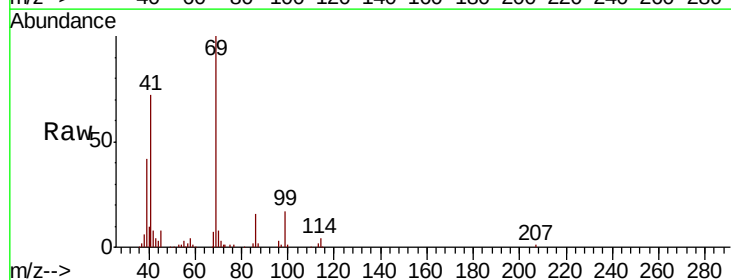


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

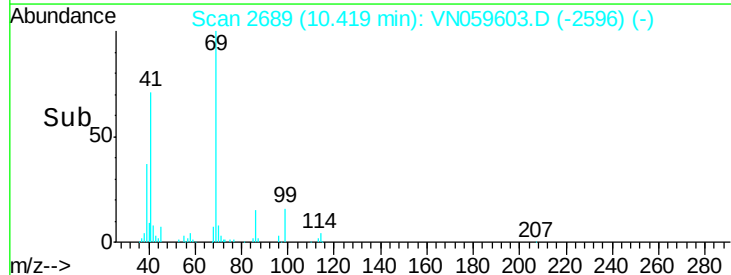
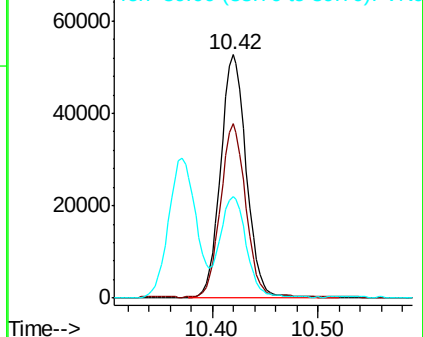


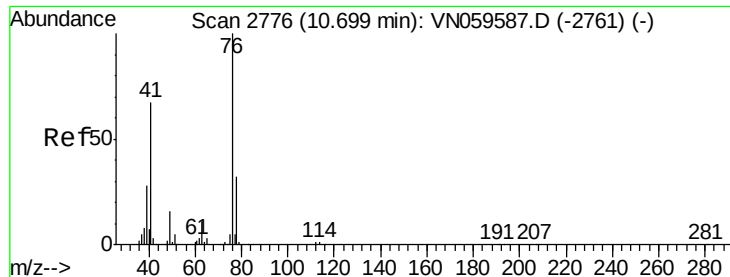
#56
 Ethyl methacrylate
 Concen: 19.933 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion: 69 Resp: 89084
 Ion Ratio Lower Upper
 69 100
 41 69.4 57.1 85.7
 39 42.7 34.7 52.1



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





#57

1,3-Dichloropropane

Concen: 20.423 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

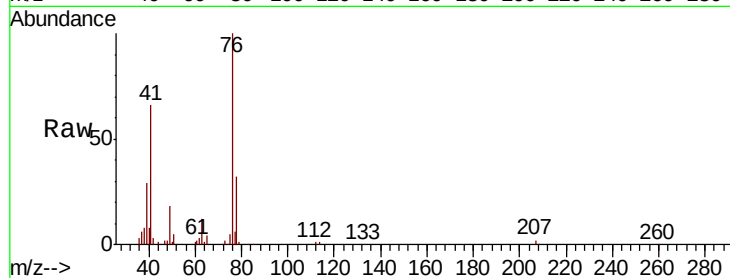
VN1216WBSD03

Tgt Ion: 76 Resp: 107052

Ion Ratio Lower Upper

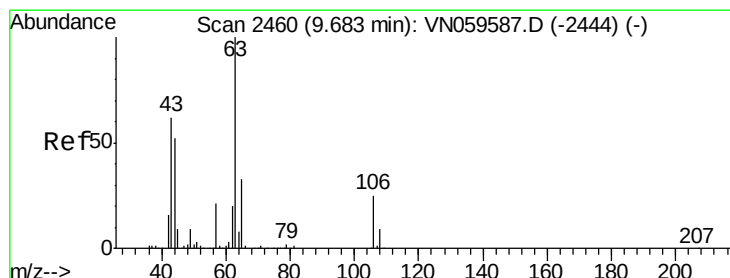
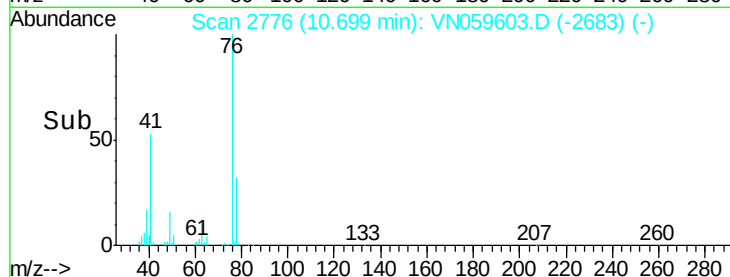
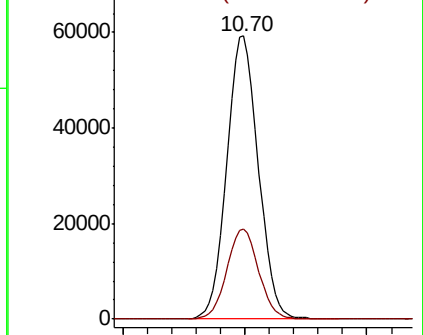
76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 126.930 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059603.D

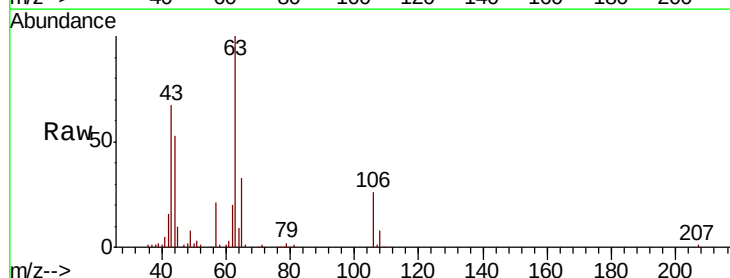
Acq: 16 Dec 2019 15:33

Tgt Ion: 63 Resp: 180418

Ion Ratio Lower Upper

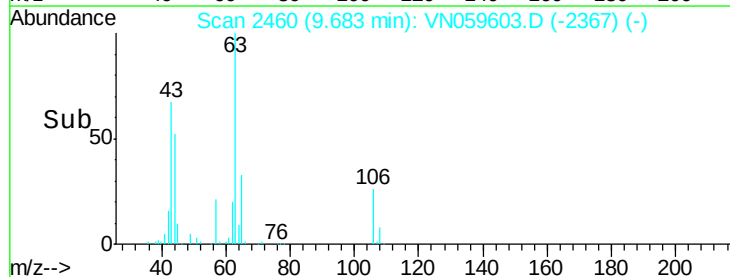
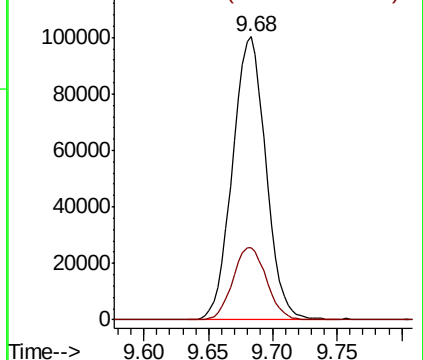
63 100

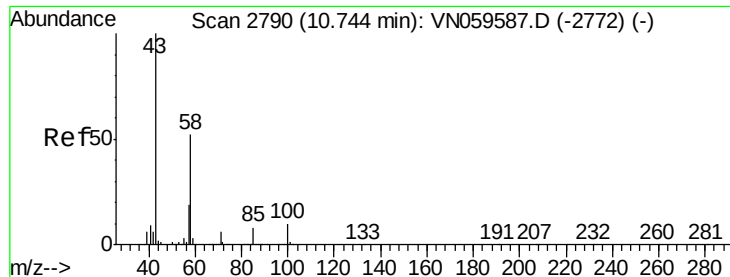
106 25.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

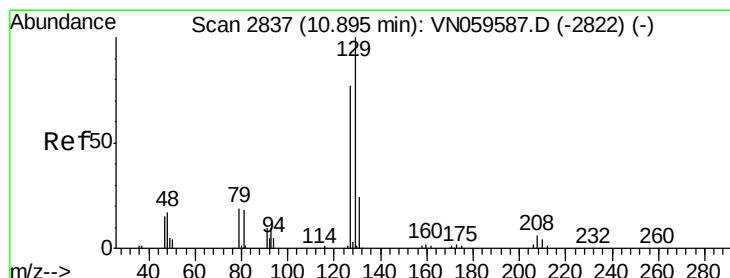
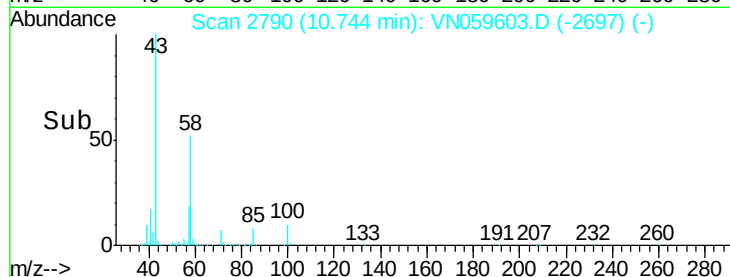
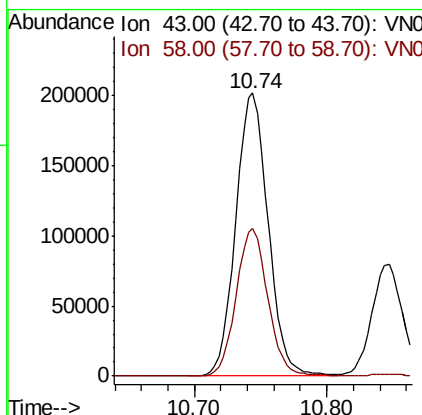
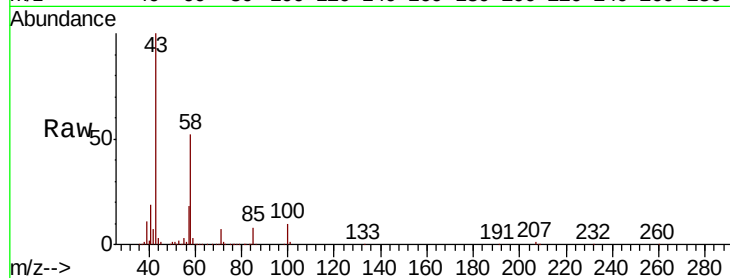




#59
2-Hexanone
Concen: 94.465 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

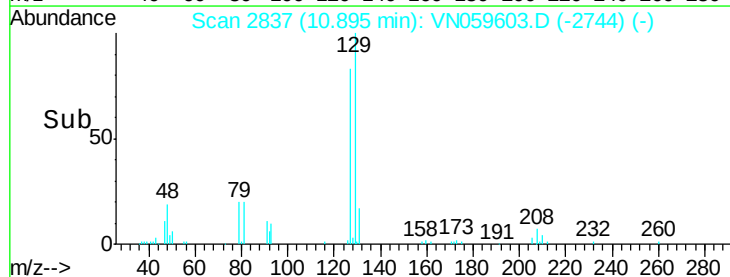
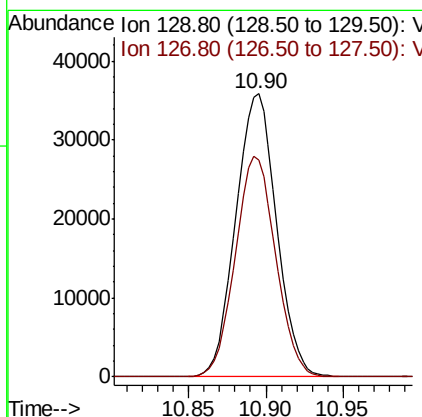
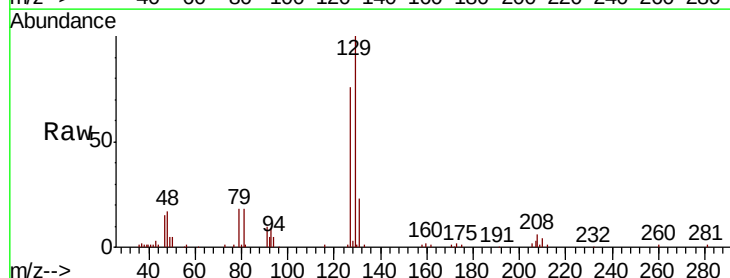
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

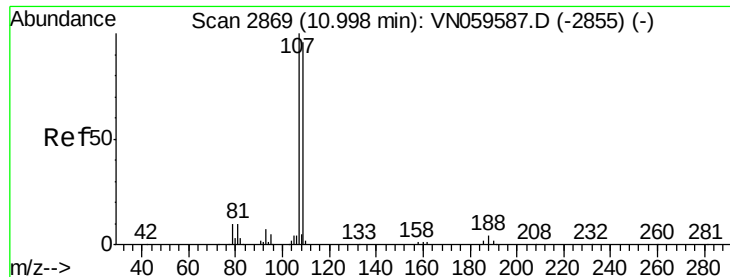
Tgt Ion: 43 Resp: 342715
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3



#60
Dibromochloromethane
Concen: 20.013 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion: 129 Resp: 65757
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.931 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

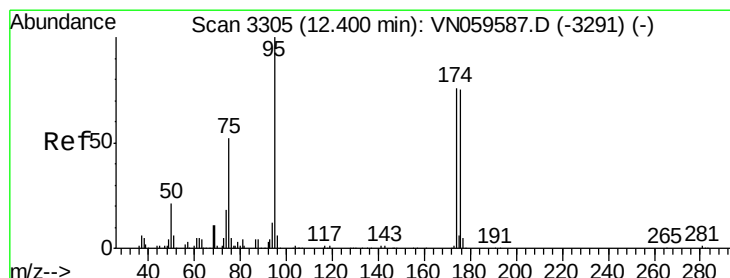
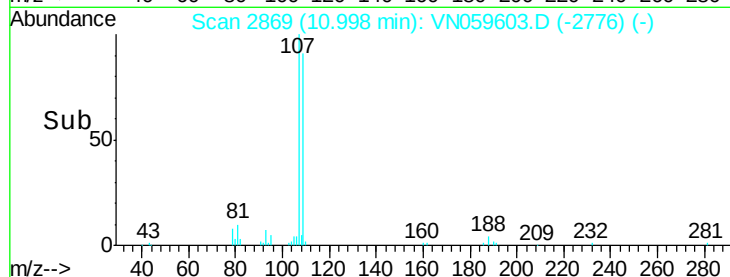
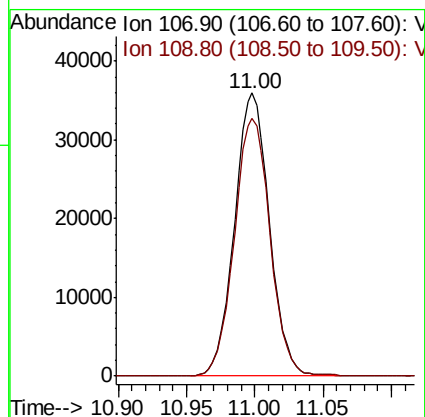
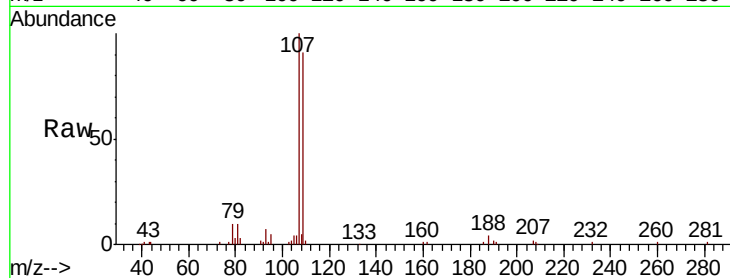
VN1216WBSD03

Tgt Ion: 107 Resp: 63636

Ion Ratio Lower Upper

107 100

109 93.5 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 49.783 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

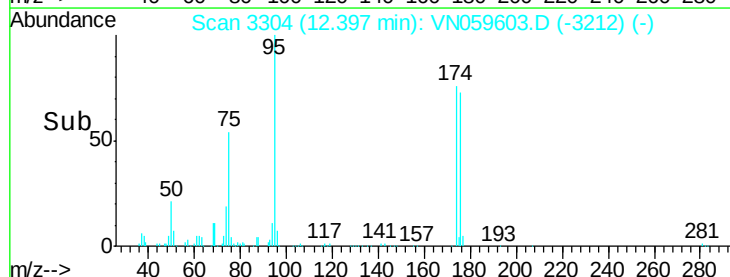
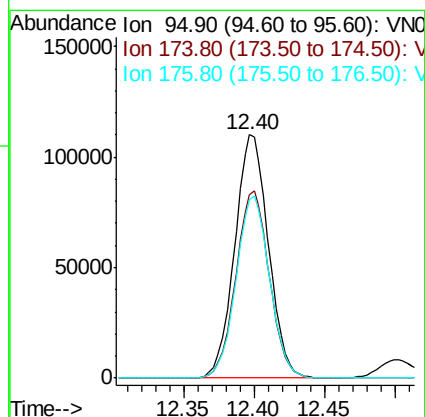
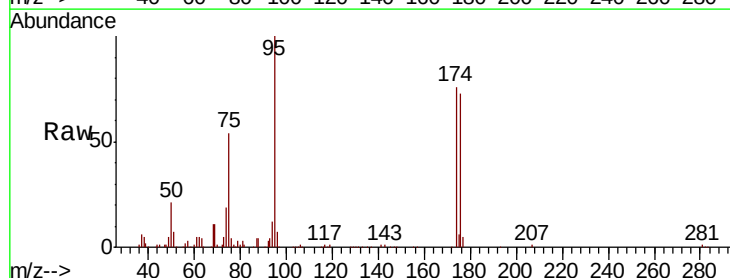
Tgt Ion: 95 Resp: 184362

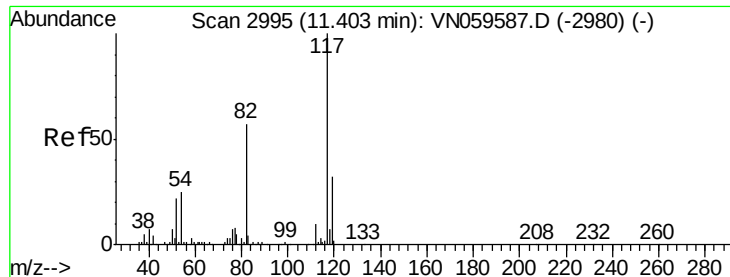
Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.4

176 74.4 0.0 146.0

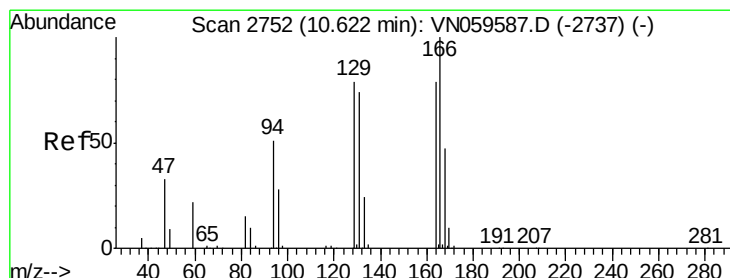
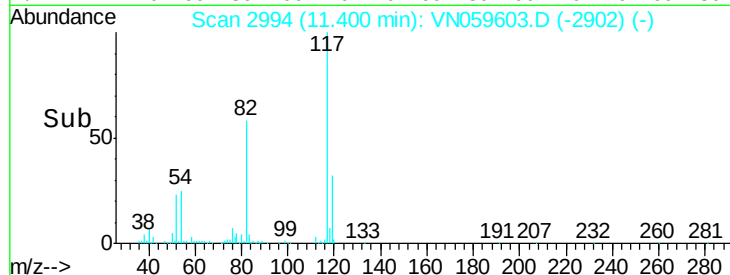
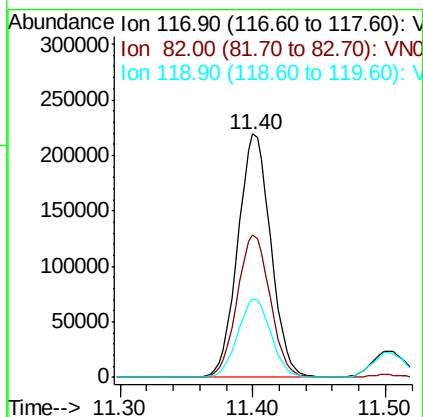
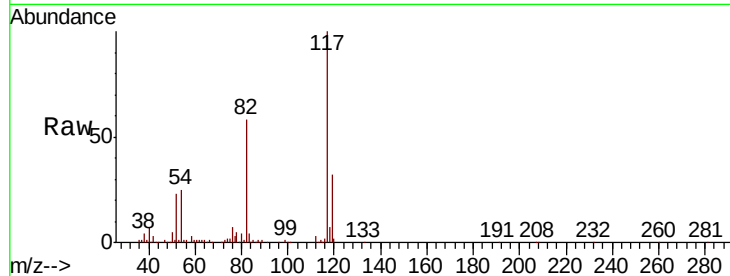




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

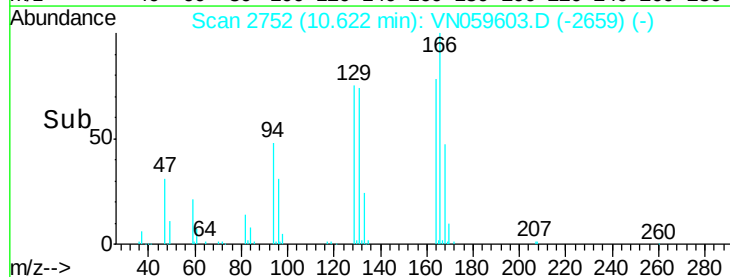
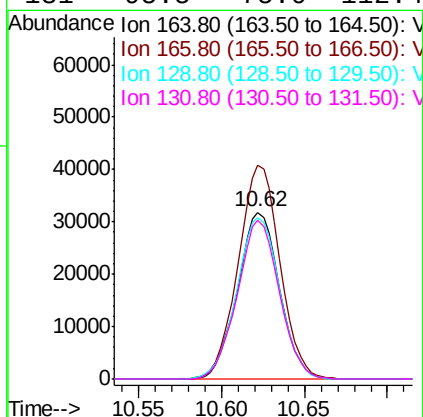
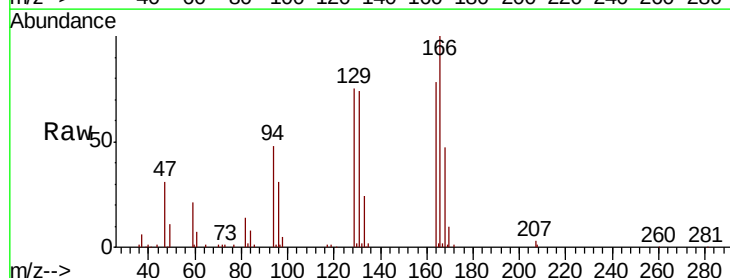
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

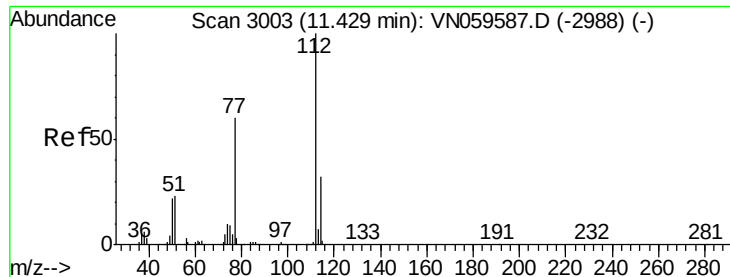
Tgt Ion:117 Resp: 378750
Ion Ratio Lower Upper
117 100
82 58.5 45.9 68.9
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 15.880 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion:164 Resp: 56068
Ion Ratio Lower Upper
164 100
166 128.3 101.4 152.0
129 96.8 80.2 120.4
131 95.5 75.0 112.4





#65

Chlorobenzene

Concen: 19.071 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

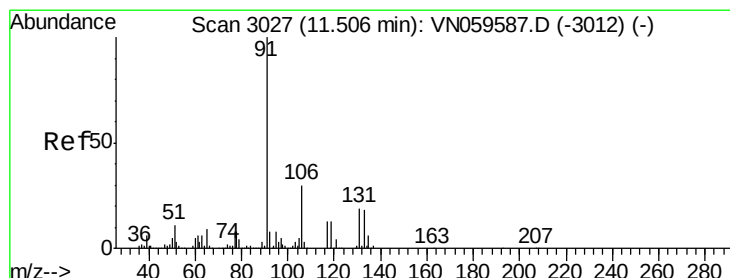
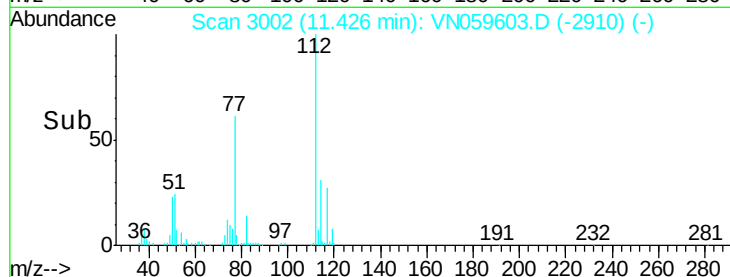
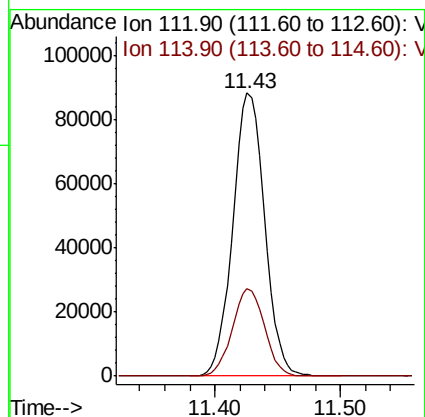
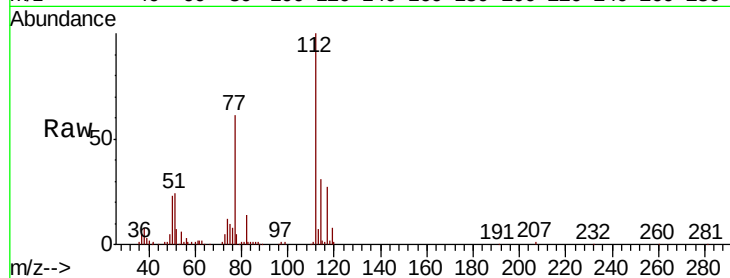
VN1216WBSD03

Tgt Ion:112 Resp: 156293

Ion Ratio Lower Upper

112 100

114 30.8 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 19.227 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

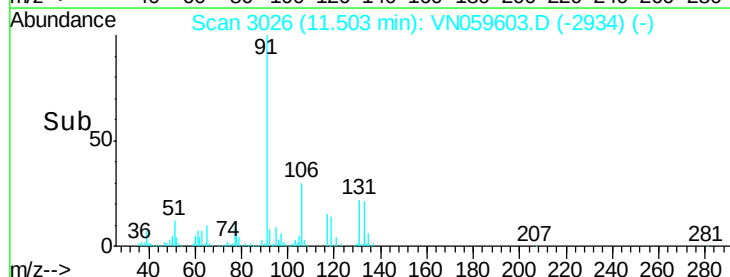
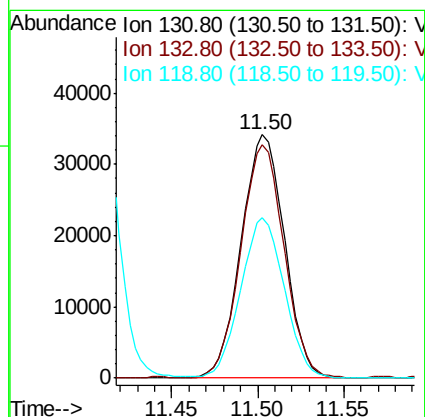
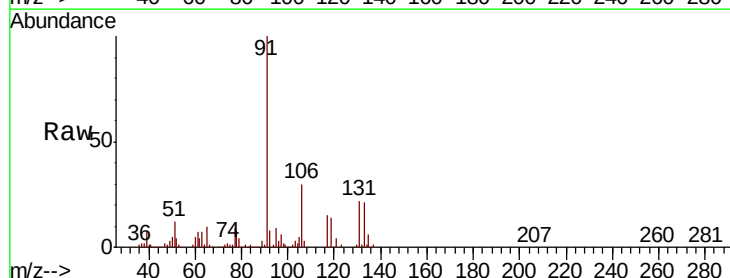
Tgt Ion:131 Resp: 59850

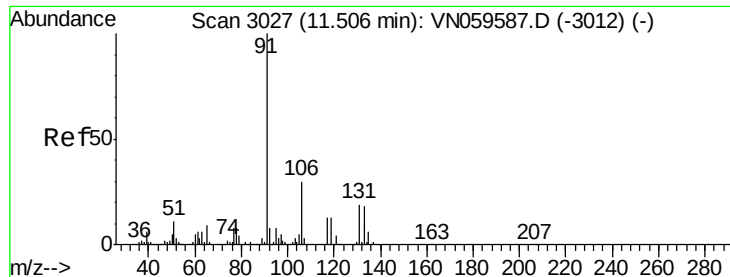
Ion Ratio Lower Upper

131 100

133 96.1 47.4 142.2

119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 18.588 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

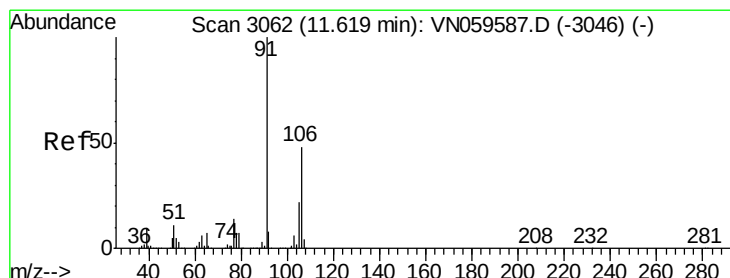
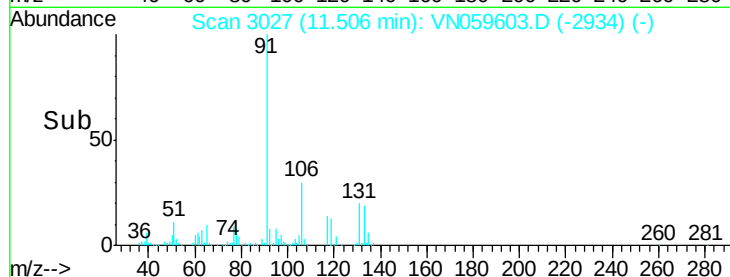
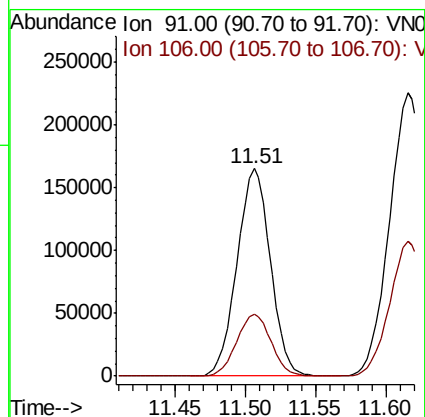
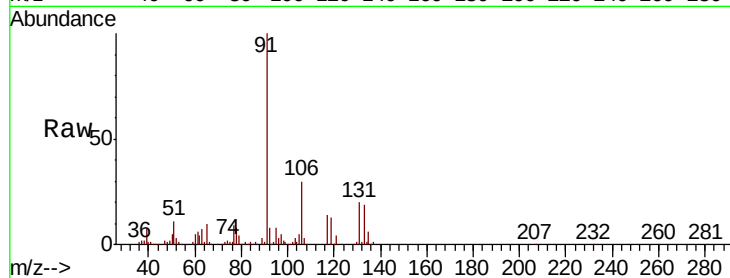
VN1216WBSD03

Tgt Ion: 91 Resp: 274973

Ion Ratio Lower Upper

91 100

106 29.6 24.1 36.1



#68

m/p-Xylenes

Concen: 36.778 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059603.D

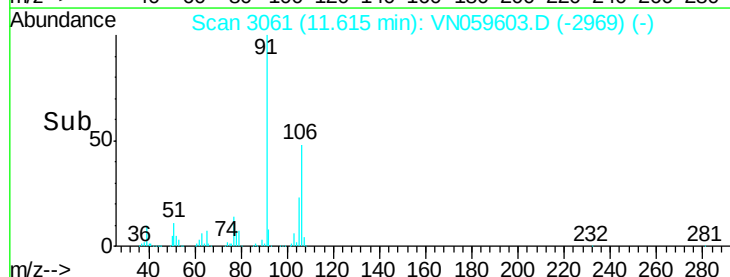
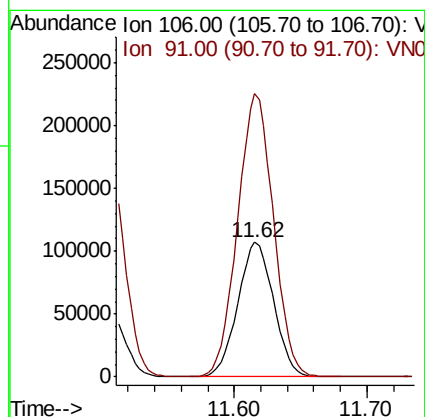
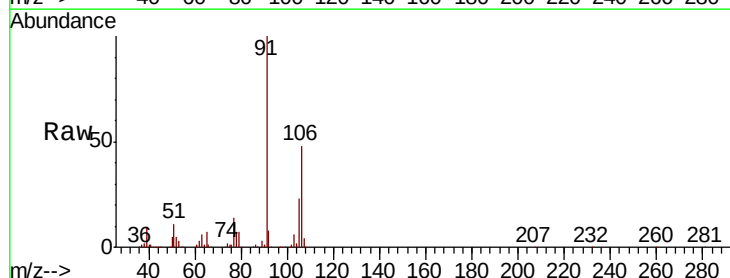
Acq: 16 Dec 2019 15:33

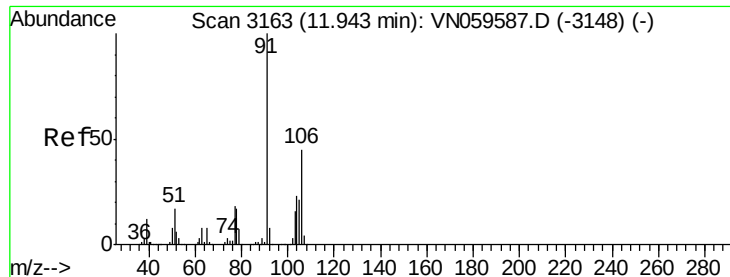
Tgt Ion: 106 Resp: 200899

Ion Ratio Lower Upper

106 100

91 210.1 167.9 251.9





#69

o-Xylene

Concen: 18.516 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

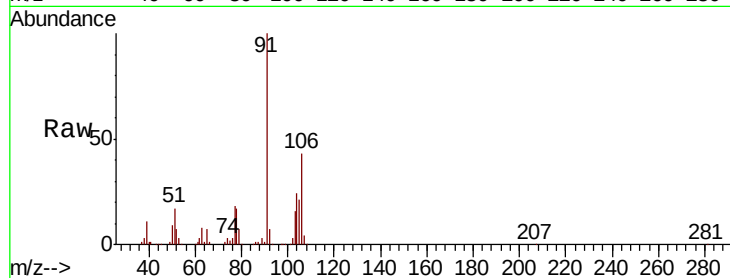
VN1216WBSD03

Tgt Ion:106 Resp: 96236

Ion Ratio Lower Upper

106 100

91 224.3 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

150000

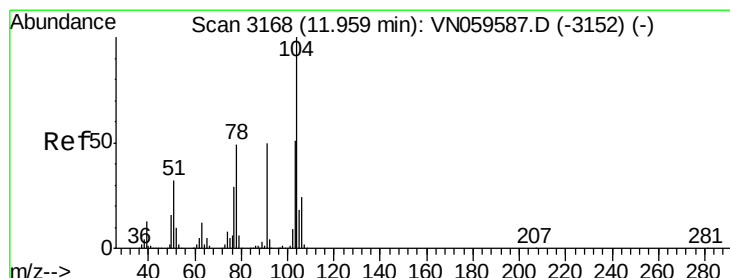
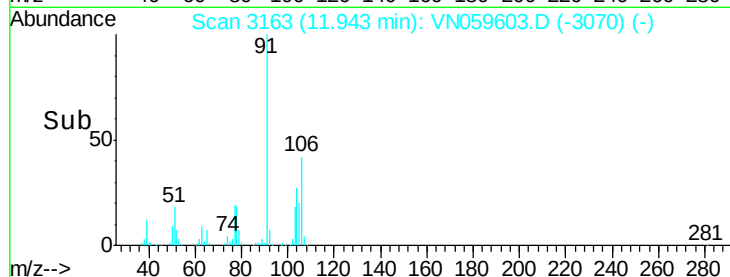
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 18.605 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

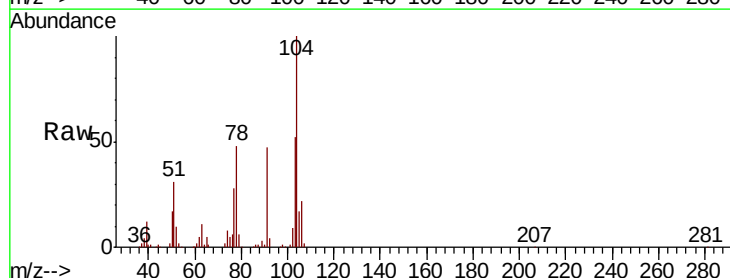
Tgt Ion:104 Resp: 155367

Ion Ratio Lower Upper

104 100

78 53.5 42.4 63.6

103 55.6 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

60000

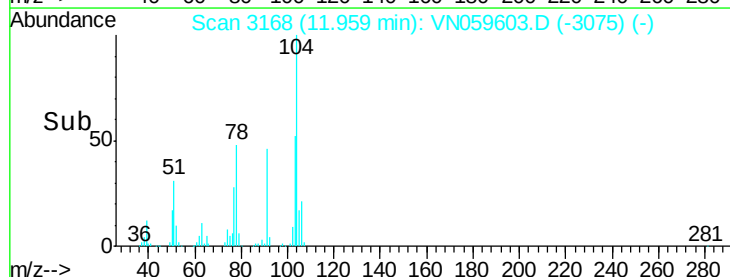
40000

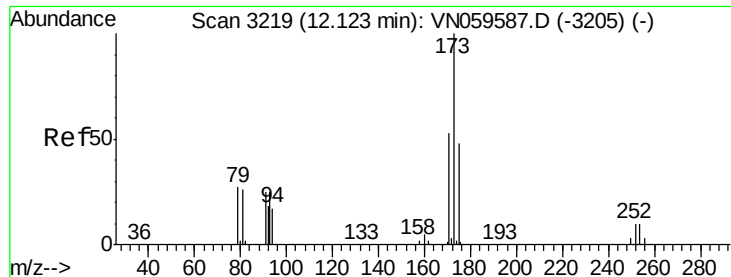
20000

0

11.90 11.95 12.00

Time-->





#71

Bromoform

Concen: 19.535 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD03

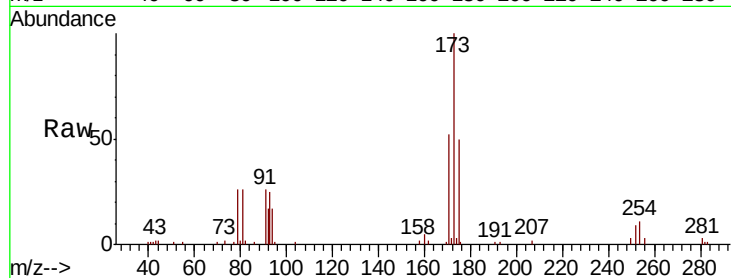
Tgt Ion:173 Resp: 45711

Ion Ratio Lower Upper

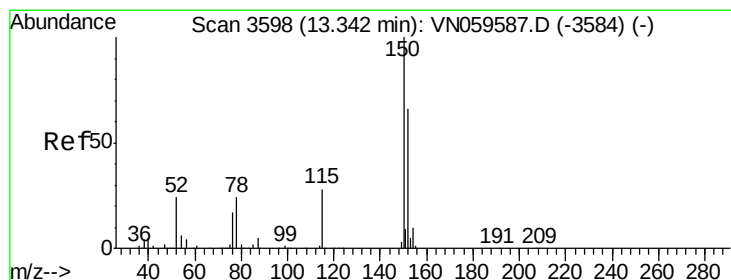
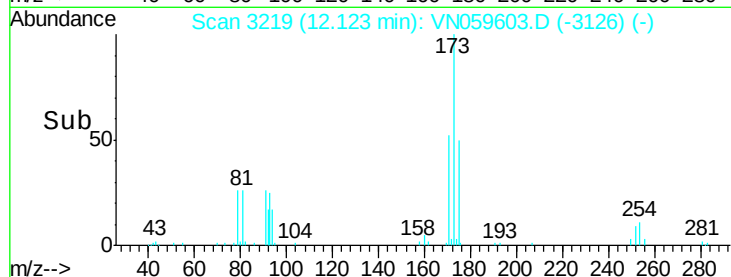
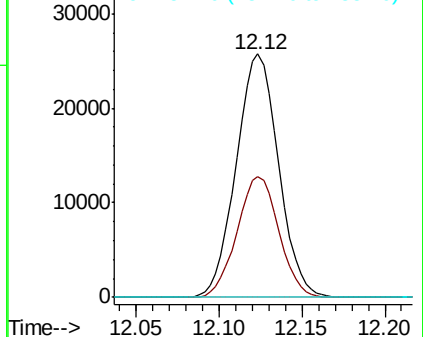
173 100

175 48.8 23.8 71.4

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# 3598

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

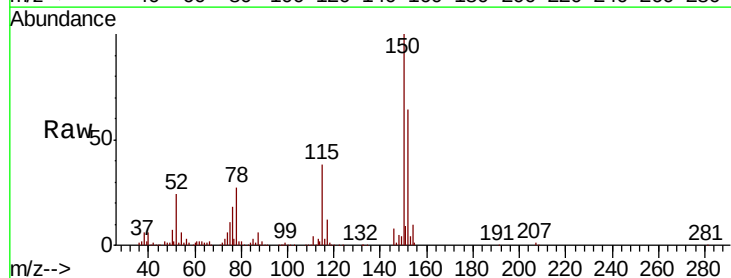
Tgt Ion:152 Resp: 175180

Ion Ratio Lower Upper

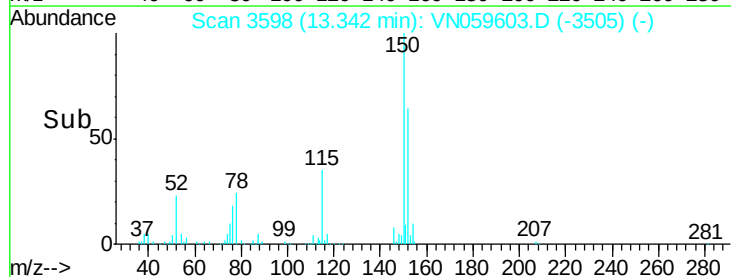
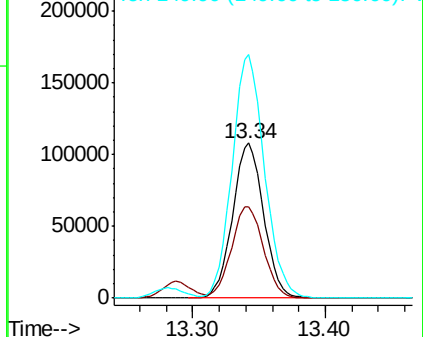
152 100

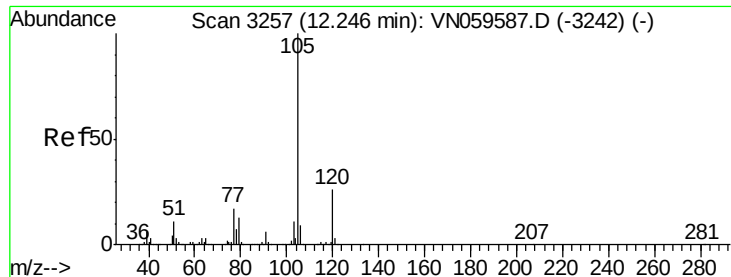
115 61.0 30.3 90.9

150 163.6 0.0 345.2



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: 18.625 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

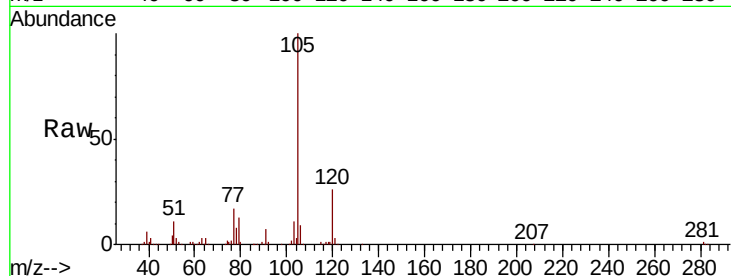
VN1216WBSD03

Tgt Ion: 105 Resp: 256127

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

150000

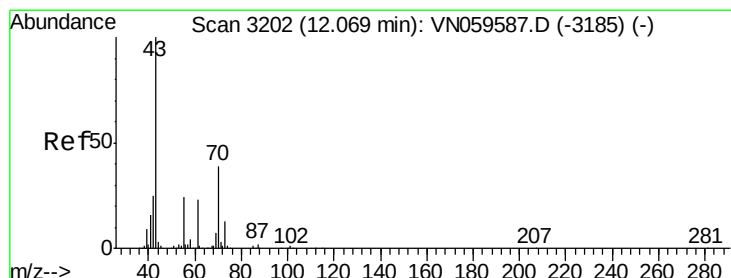
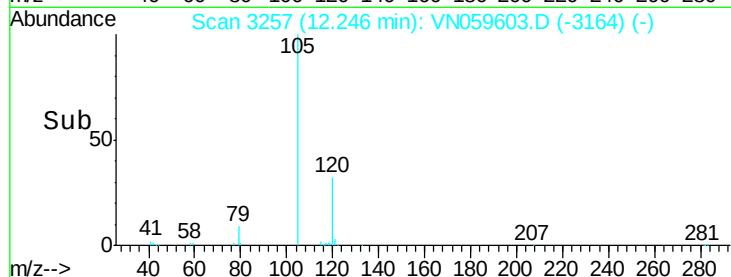
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 19.057 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Tgt Ion: 43 Resp: 120212

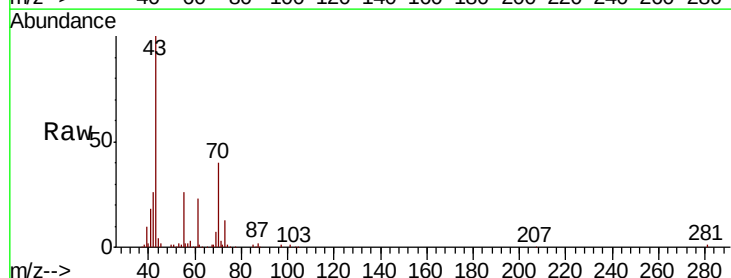
Ion Ratio Lower Upper

43 100

70 40.0 31.3 46.9

55 26.0 19.8 29.6

61 22.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

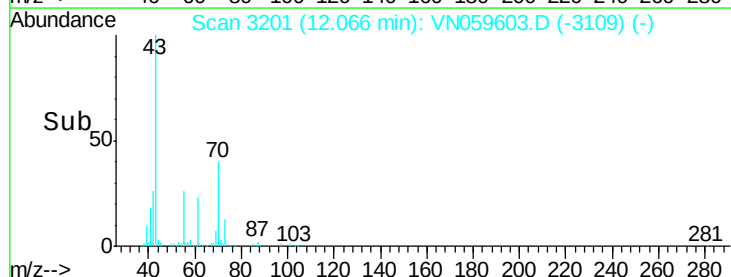
40000

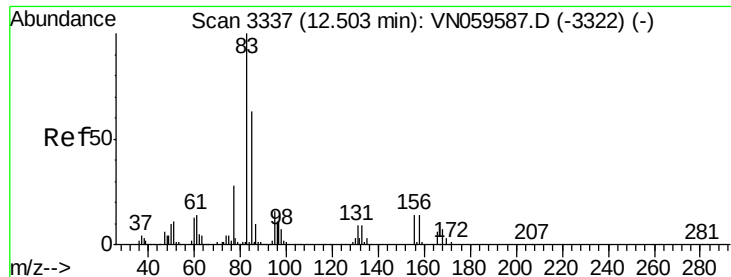
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.719 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD03

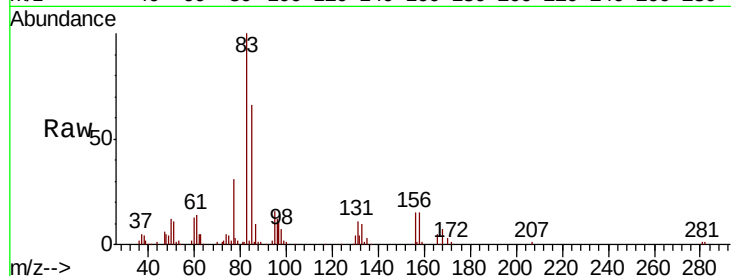
Tgt Ion: 83 Resp: 86020

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

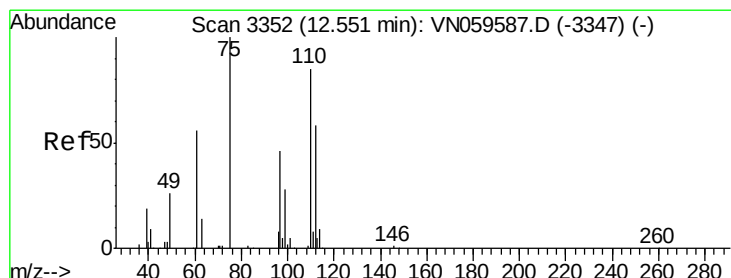
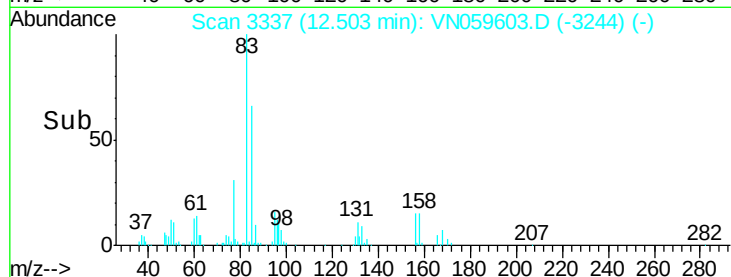
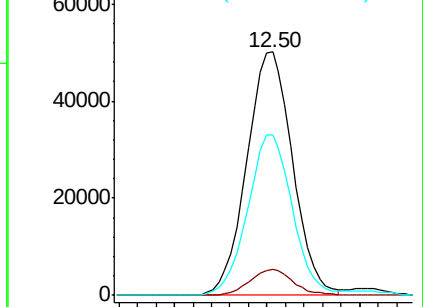
85 64.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059603.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059603.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059603.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 28.714 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059603.D

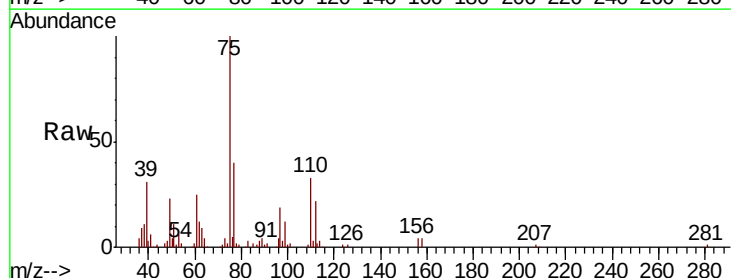
Acq: 16 Dec 2019 15:33

Tgt Ion: 75 Resp: 124525

Ion Ratio Lower Upper

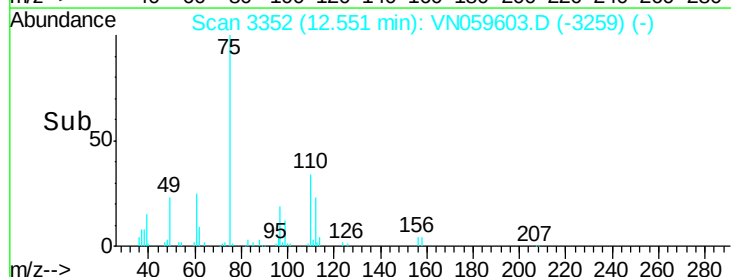
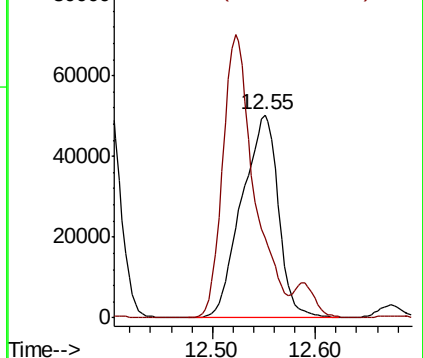
75 100

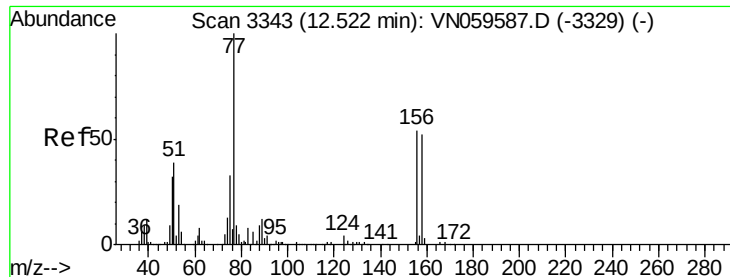
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059603.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059603.D (-3259) (-)





#77

Bromobenzene

Concen: 18.946 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD03

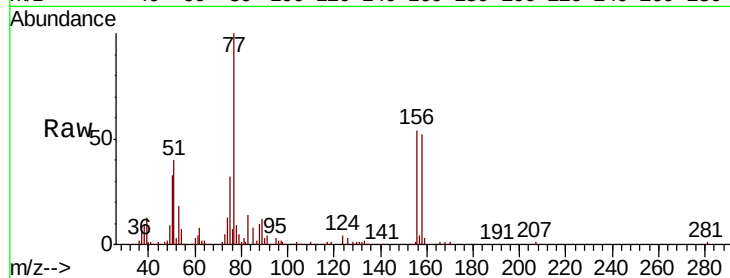
Tgt Ion:156 Resp: 64072

Ion Ratio Lower Upper

156 100

77 232.8 115.8 347.4

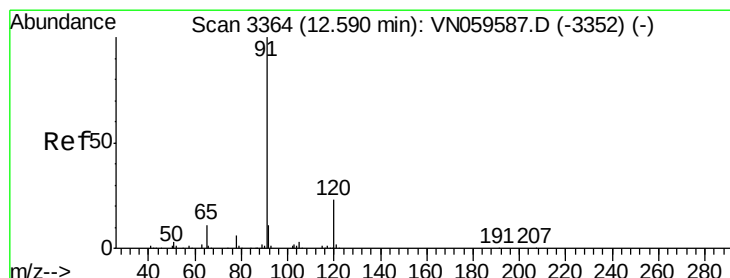
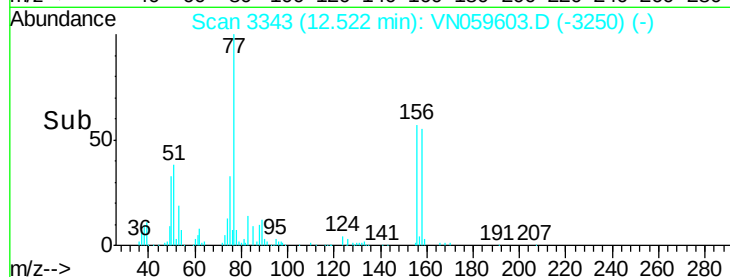
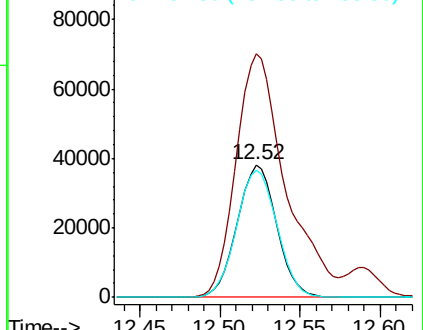
158 98.7 49.2 147.6



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: 18.558 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059603.D

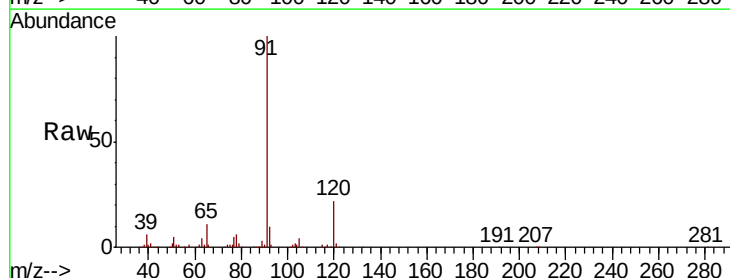
Acq: 16 Dec 2019 15:33

Tgt Ion: 91 Resp: 301669

Ion Ratio Lower Upper

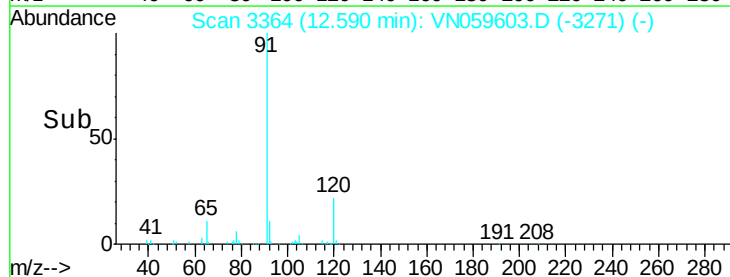
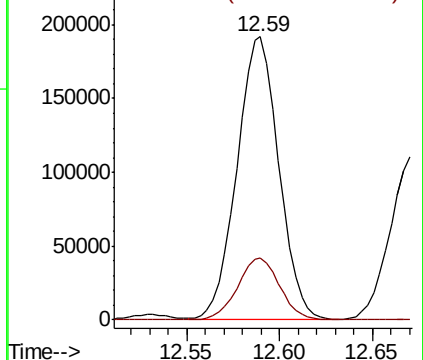
91 100

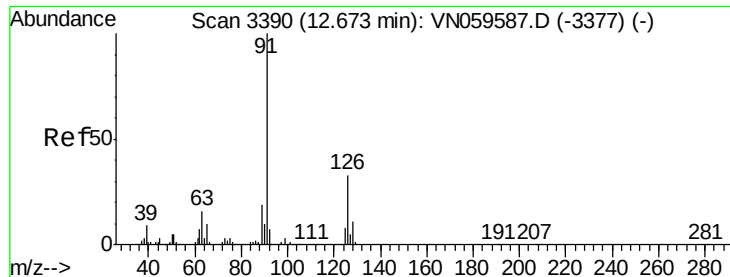
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.735 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

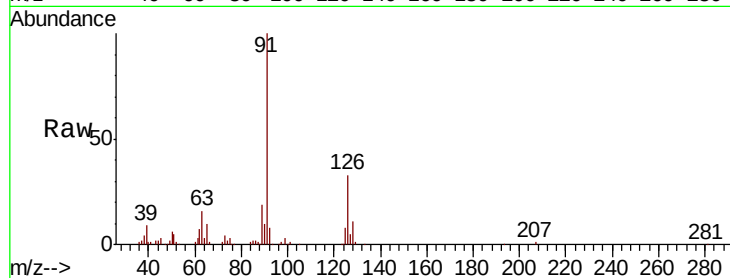
VN1216WBSD03

Tgt Ion: 91 Resp: 184152

Ion Ratio Lower Upper

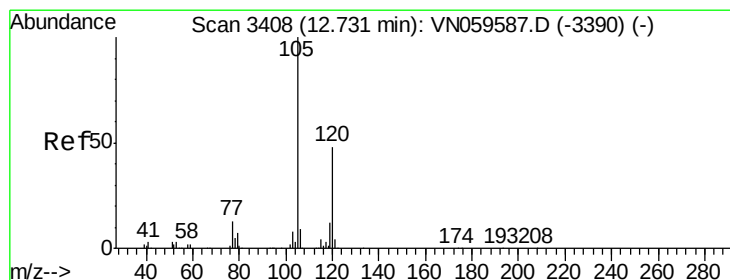
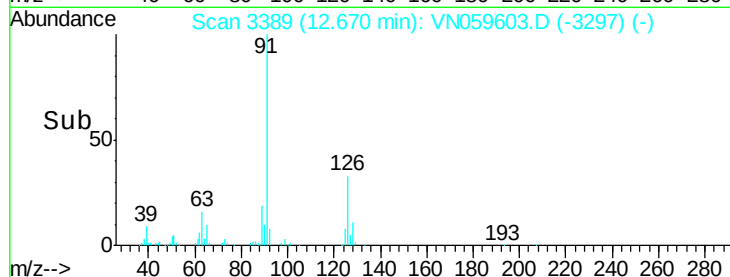
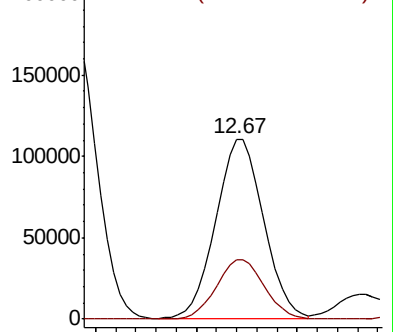
91 100

126 33.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.997 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059603.D

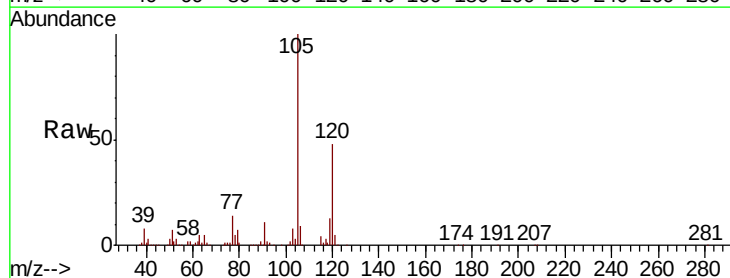
Acq: 16 Dec 2019 15:33

Tgt Ion: 105 Resp: 221075

Ion Ratio Lower Upper

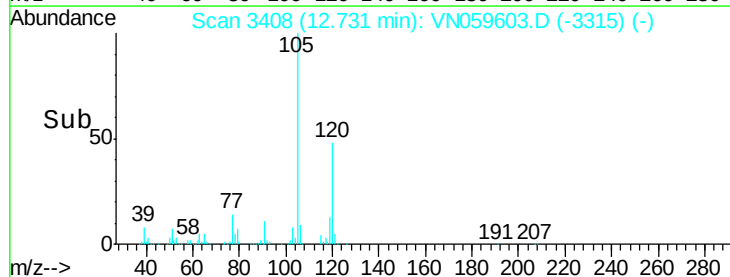
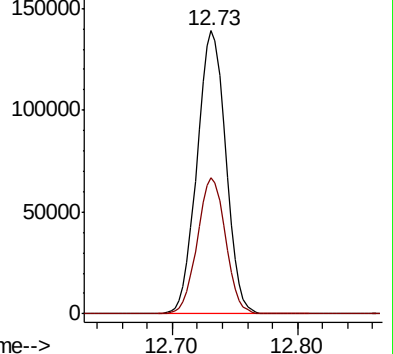
105 100

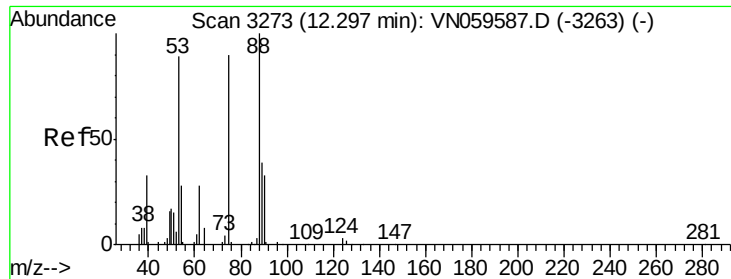
120 47.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

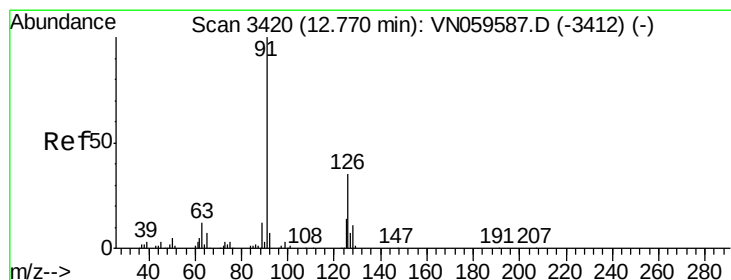
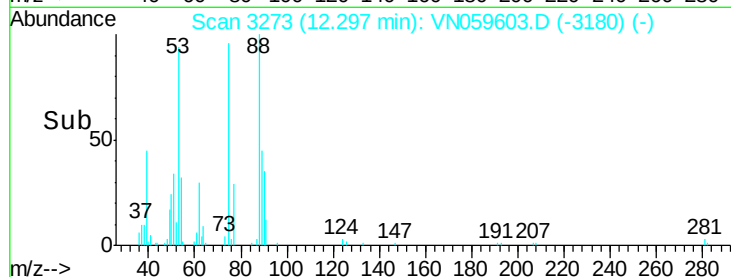
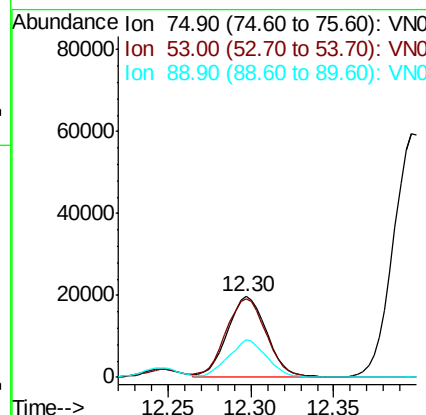
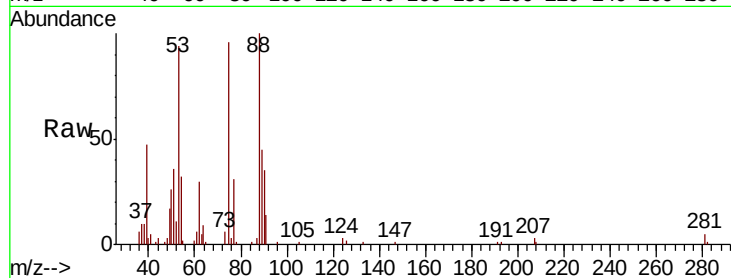




#81
trans-1,4-Dichloro-2-butene
Concen: 18.813 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

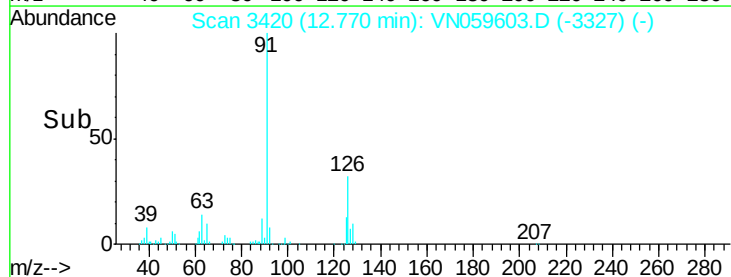
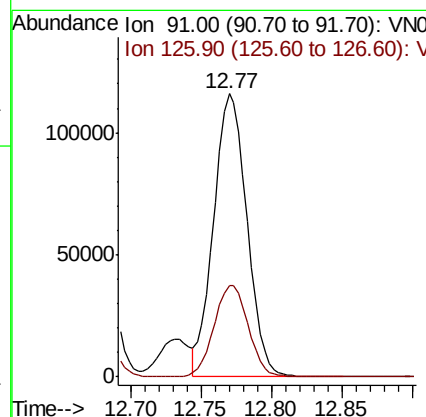
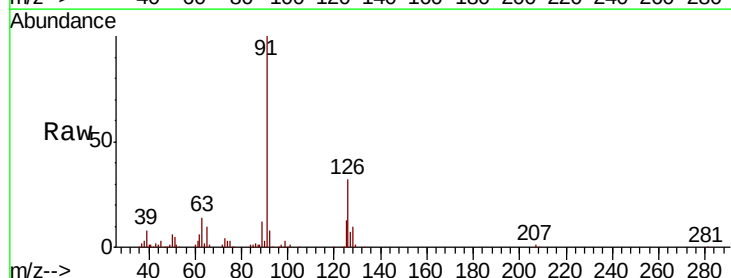
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

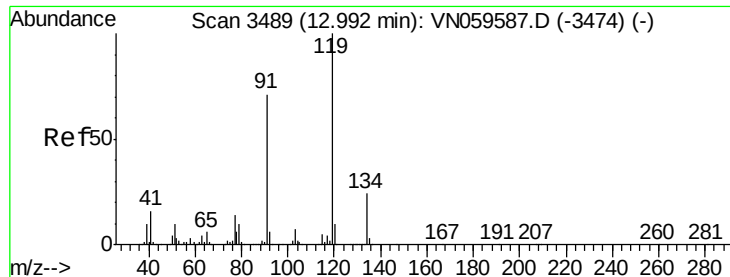
Tgt Ion: 75 Resp: 33032
Ion Ratio Lower Upper
75 100
53 99.9 78.1 117.1
89 44.8 35.4 53.2



#82
4-Chlorotoluene
Concen: 18.799 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion: 91 Resp: 189197
Ion Ratio Lower Upper
91 100
126 33.4 16.3 48.8

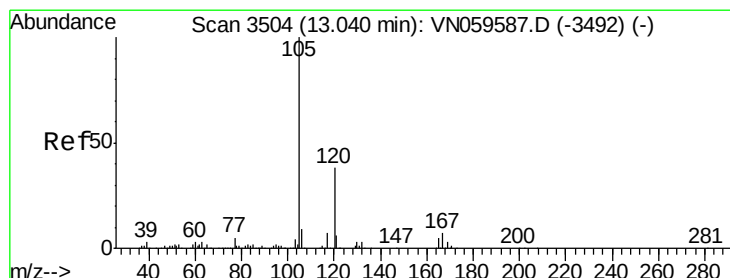
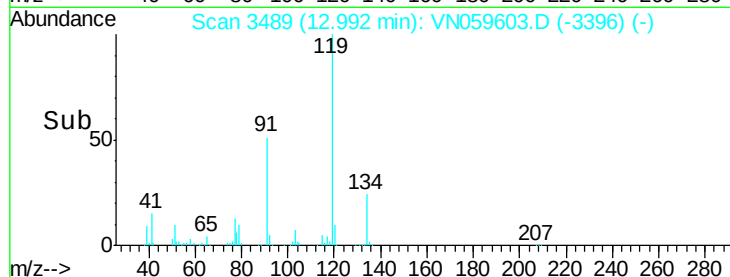
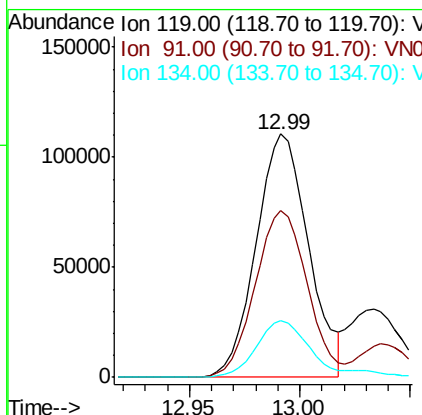
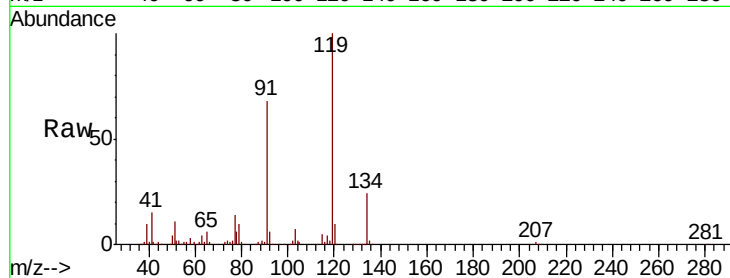




#83
 tert-Butylbenzene
 Concen: 18.541 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

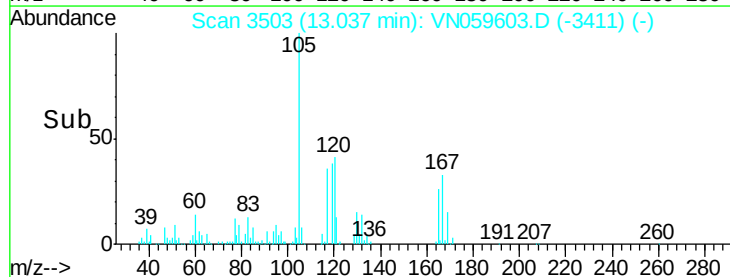
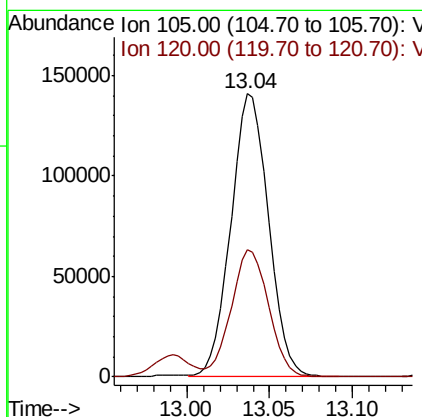
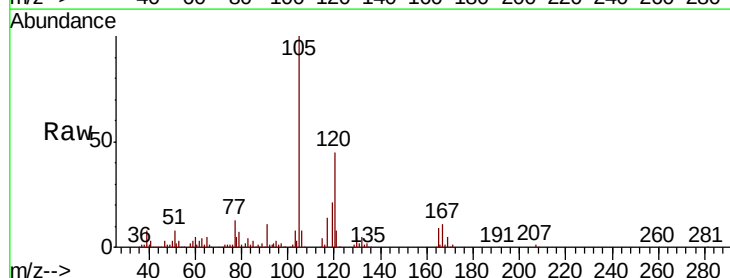
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

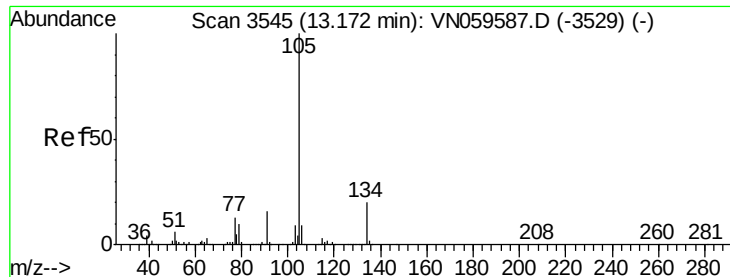
Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.8	104.4
134	25.2	12.3	36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.192 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 18.472 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

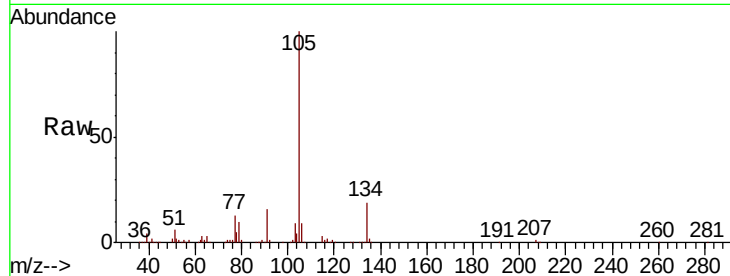
VN1216WBSD03

Tgt Ion:105 Resp: 242162

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

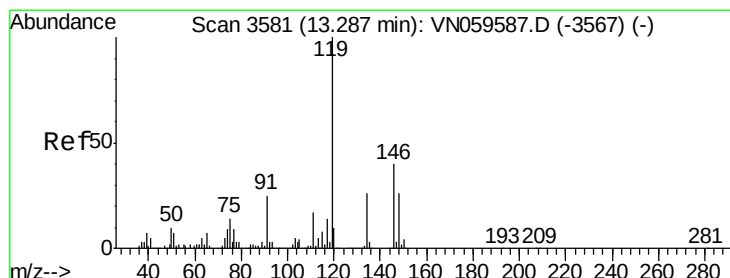
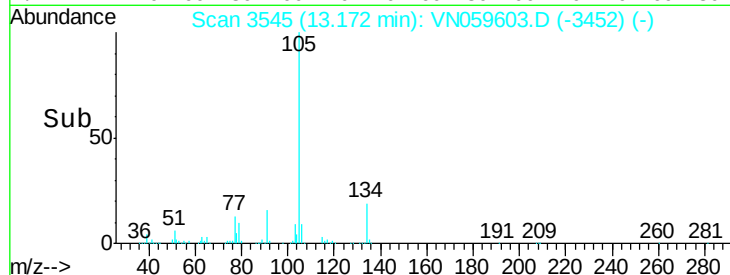
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 18.636 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

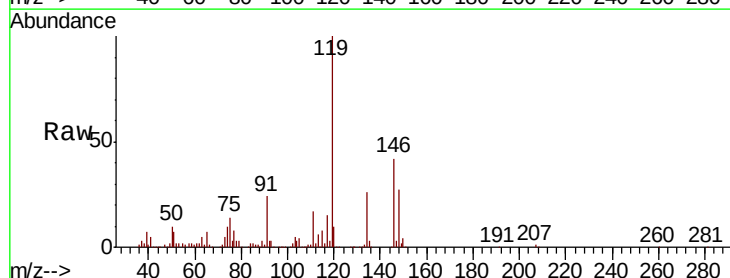
Tgt Ion:119 Resp: 221276

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 24.7 12.4 37.4



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

200000

150000

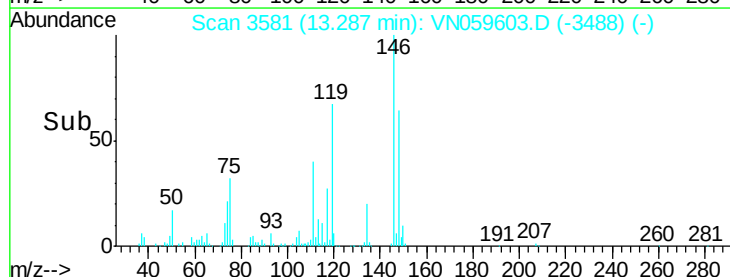
100000

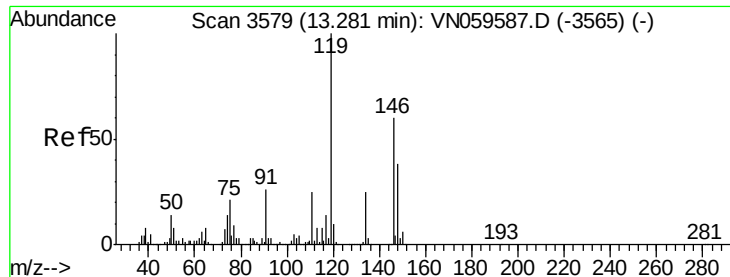
50000

0

13.20 13.25 13.30 13.35

Time-->

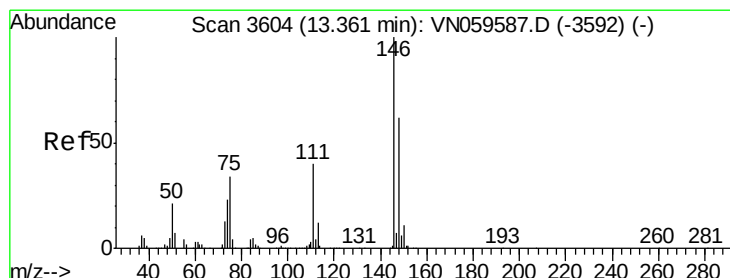
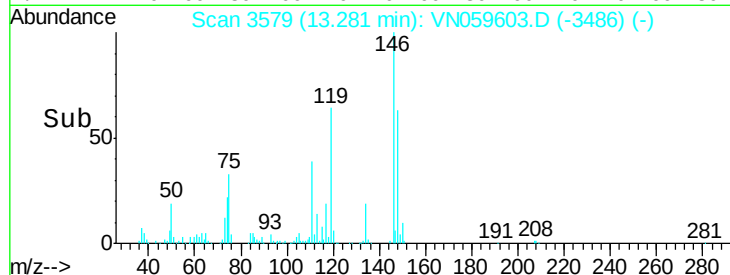
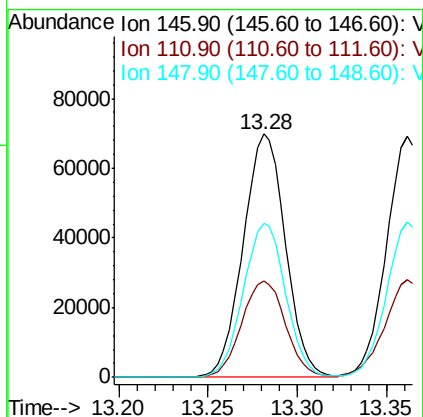
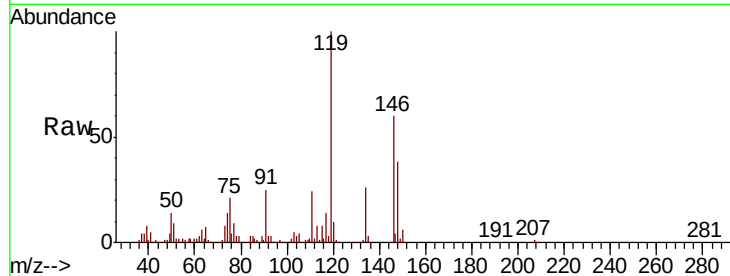




#87
 1,3-Dichlorobenzene
 Concen: 18.597 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

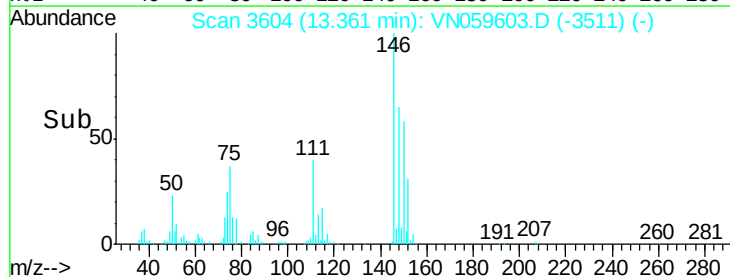
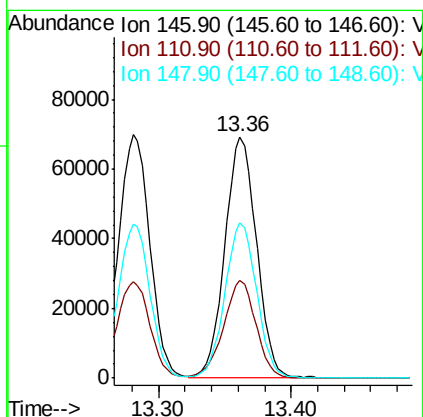
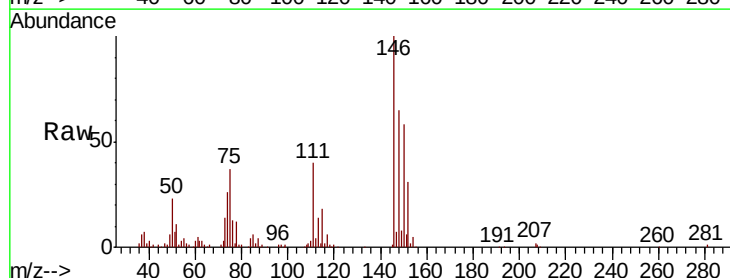
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

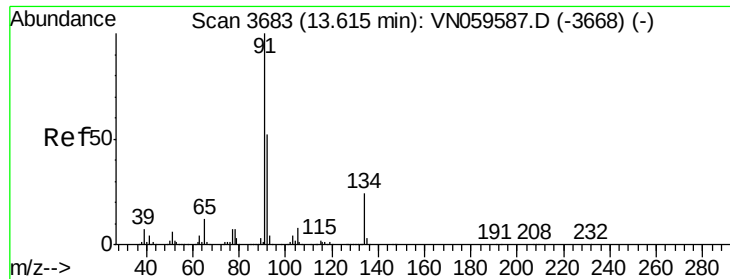
Tgt Ion:146 Resp: 115650
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.8 62.2
 148 63.5 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 18.332 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion:146 Resp: 114937
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 64.8 31.8 95.4

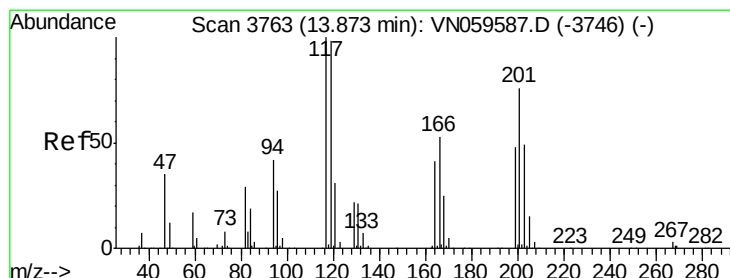
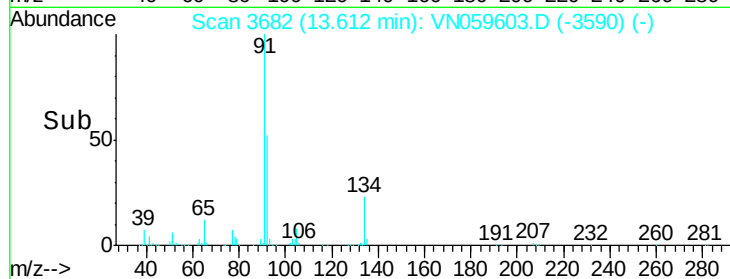
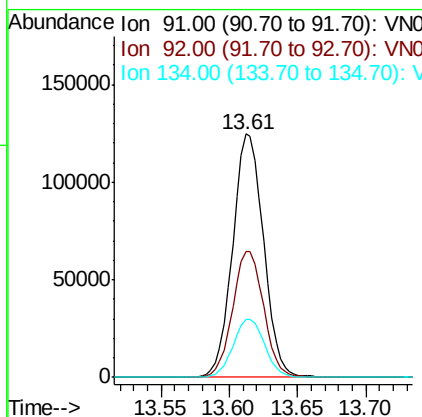
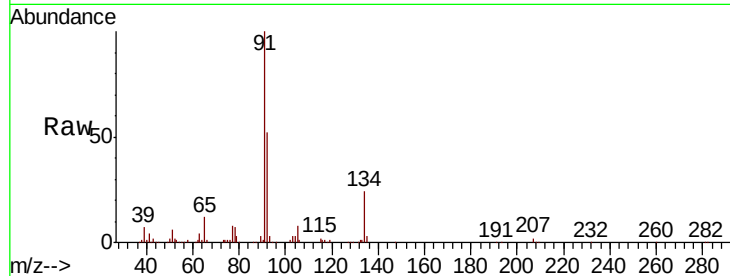




#89
n-Butylbenzene
Concen: 17.626 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

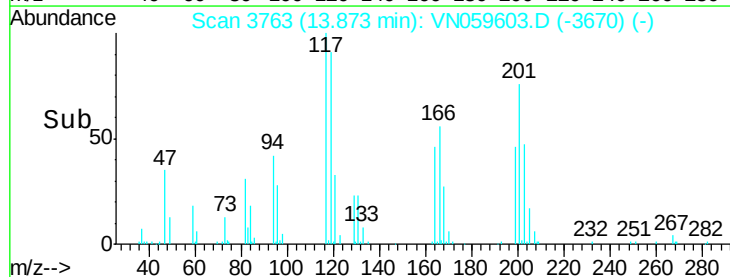
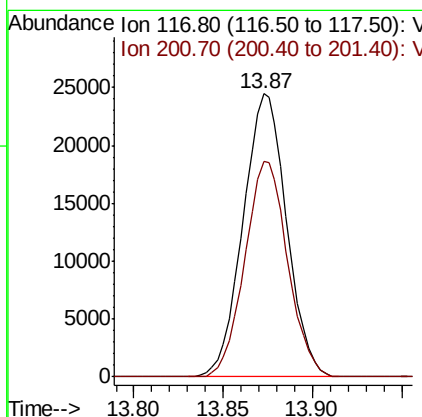
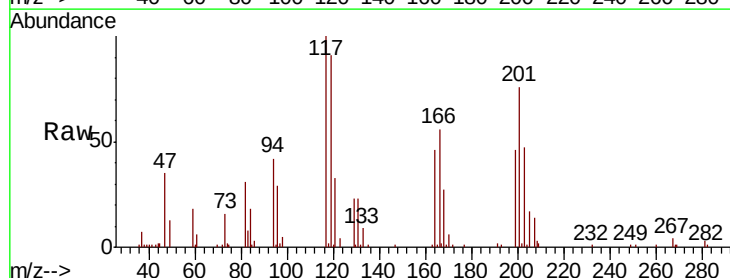
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

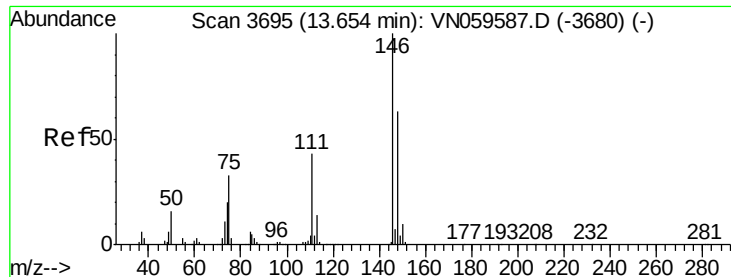
Tgt Ion: 91 Resp: 196208
Ion Ratio Lower Upper
91 100
92 52.1 25.9 77.7
134 24.4 12.3 36.8



#90
Hexachloroethane
Concen: 18.614 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion: 117 Resp: 41775
Ion Ratio Lower Upper
117 100
201 74.8 37.8 113.4

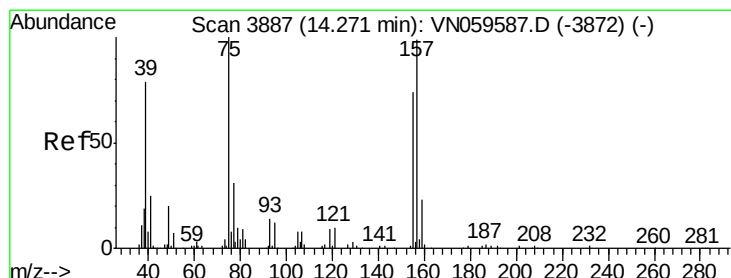
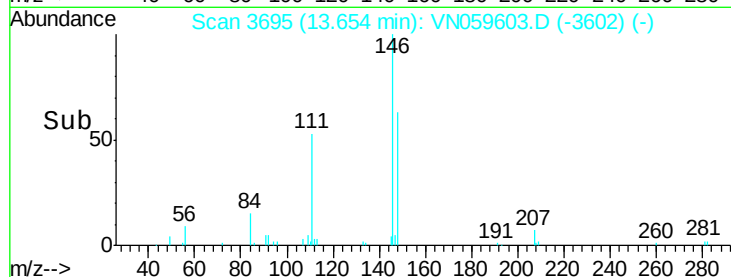
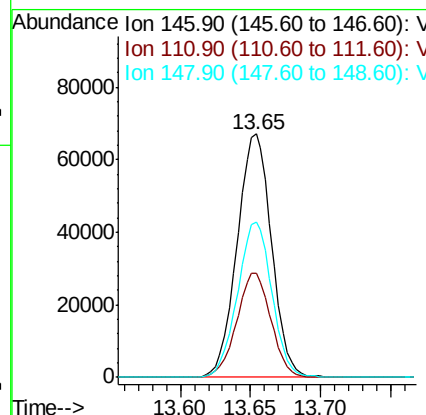
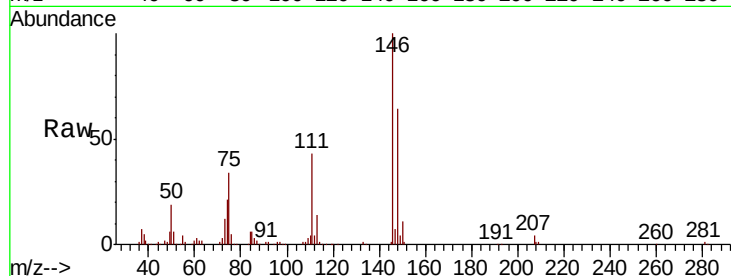




#91
 1,2-Dichlorobenzene
 Concen: 18.682 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

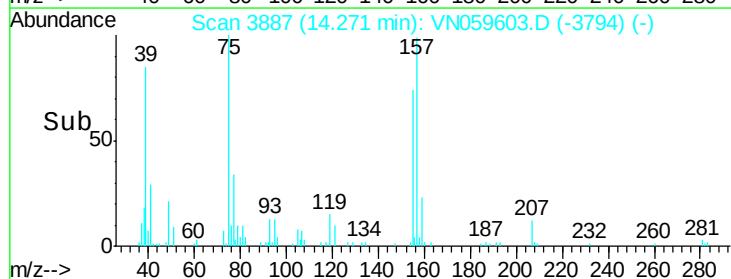
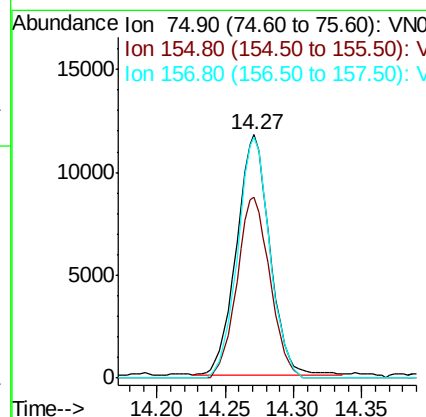
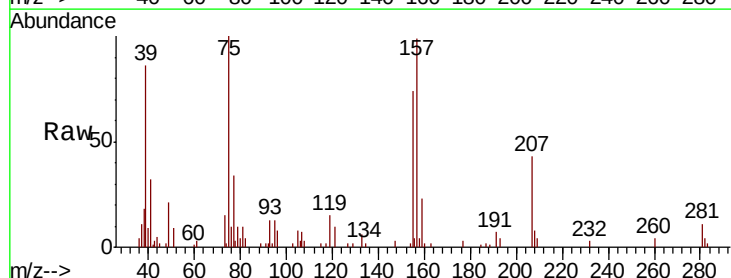
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

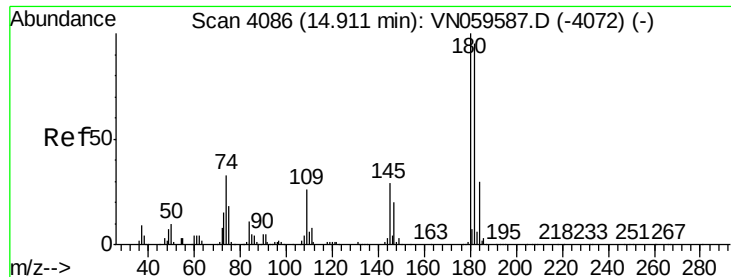
Tgt Ion:146 Resp: 114572
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.6 64.8
 148 63.8 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.159 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion: 75 Resp: 19592
 Ion Ratio Lower Upper
 75 100
 155 75.1 37.0 110.9
 157 97.0 48.4 145.2

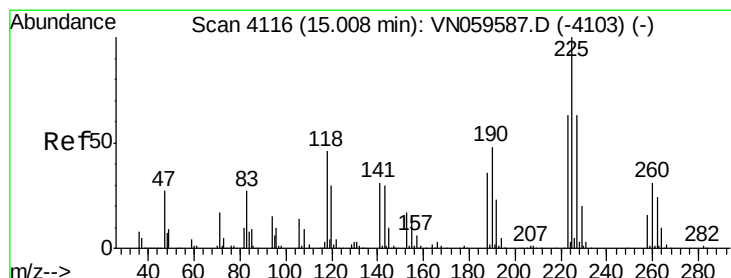
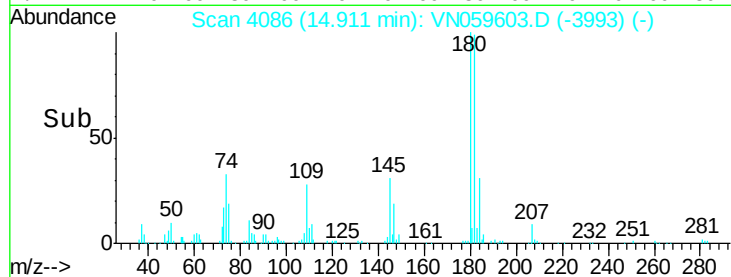
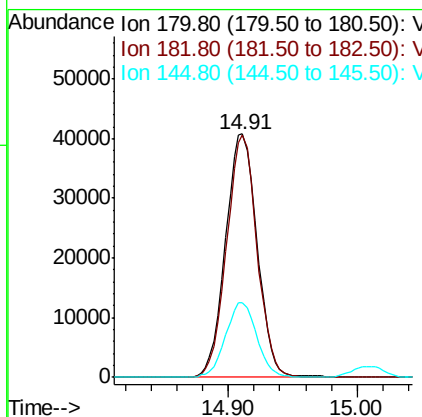
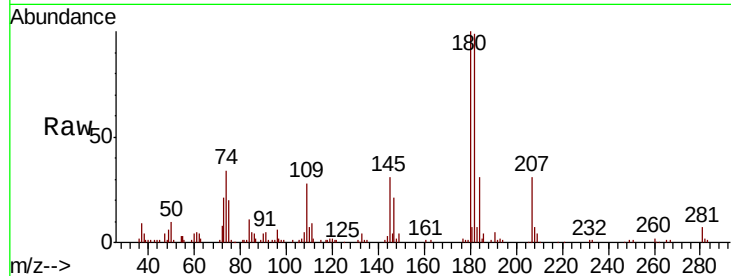




#93
 1,2,4-Trichlorobenzene
 Concen: 17.531 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

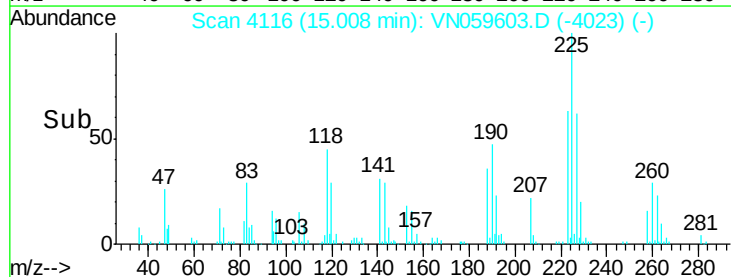
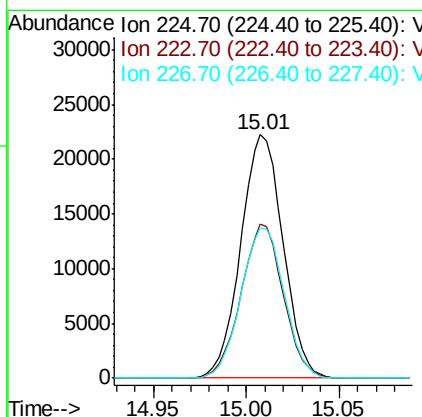
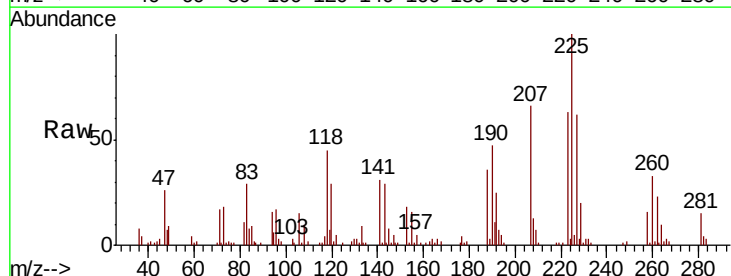
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD03

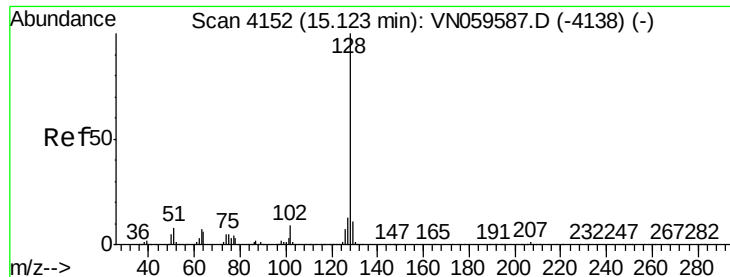
Tgt Ion:180 Resp: 69429
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.9 140.7
 145 30.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 17.451 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059603.D
 Acq: 16 Dec 2019 15:33

Tgt Ion:225 Resp: 35208
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.8 95.3
 227 62.9 32.1 96.5

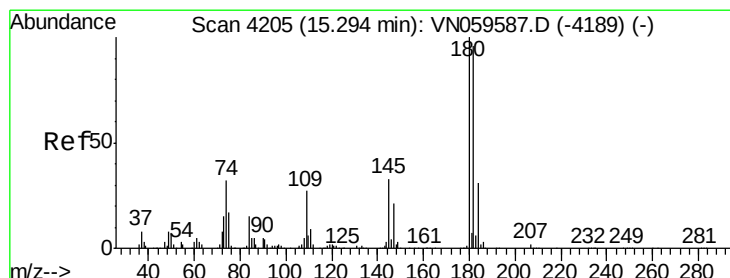
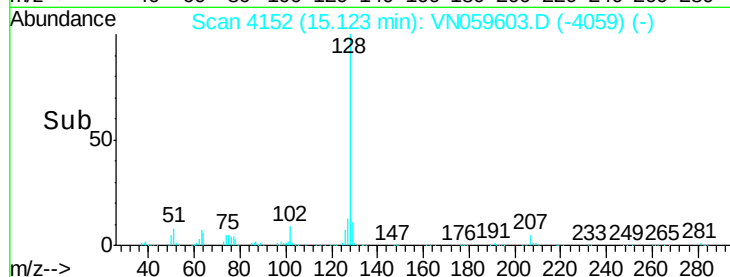
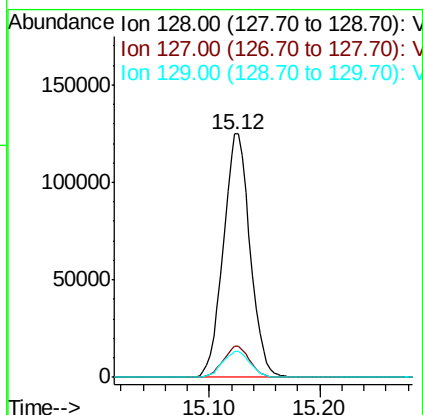
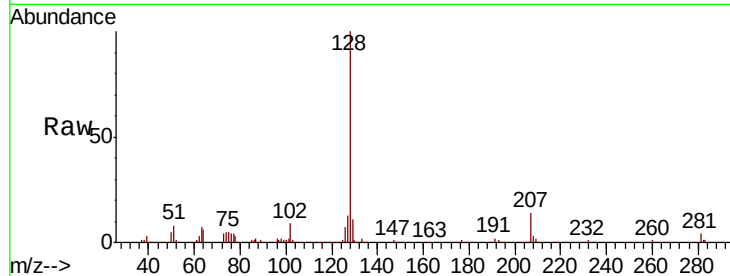




#95
Naphthalene
Concen: 17.741 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD03

Tgt Ion:128 Resp: 209740
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 17.521 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN059603.D
Acq: 16 Dec 2019 15:33

Tgt Ion:180 Resp: 70179
Ion Ratio Lower Upper
180 100
182 94.9 47.4 142.3
145 32.5 16.3 48.9

