

Data File : VN062927.D
Acq On : 13 Aug 2020 22:32
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Quant Time: Aug 14 05:31:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 14 05:30:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	27216	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	138220	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	125149	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	73435	31.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.63%
60) 4-Bromofluorobenzene	12.38	95	64846	30.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.67%
63) Toluene-d8	10.06	98	178199	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	8800	4.921 ug/l	90
3) Chloromethane	2.03	50	9334	4.167 ug/l	94
4) Vinyl Chloride	2.16	62	9316	4.652 ug/l	100
5) Bromomethane	2.51	94	10206	8.596 ug/l	96
6) Chloroethane	2.66	64	9167	7.786 ug/l #	85
7) Trichlorofluoromethane	2.98	101	20604	7.330 ug/l	100
8) Diethyl Ether	3.37	74	4998	4.587 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	7871	5.252 ug/l	90
10) 1,1-Dichloroethene	3.69	96	2196	1.465 ug/l	95
11) Methyl Iodide	3.91	142	8147	4.342 ug/l	94
12) Methyl Acetate	4.28	43	5657	2.748 ug/l	93
13) Acrolein	3.57	56	6598	22.568 ug/l	100
14) Acrylonitrile	4.94	53	17916	18.998 ug/l #	17
15) Acetone	3.78	58	5447	19.846 ug/l	93
16) Carbon Disulfide	4.00	76	22952	4.819 ug/l #	95
17) Allyl chloride	4.27	41	11310	3.720 ug/l	94
18) Methylene Chloride	4.50	84	9354	5.054 ug/l	96
19) trans-1,2-Dichloroethene	4.99	96	7986	4.821 ug/l	91
20) Diisopropyl ether	5.90	45	22804	3.524 ug/l #	86
21) 1,1-Dichloroethane	5.80	63	15822	4.532 ug/l #	94
22) cis-1,2-Dichloroethene	6.77	96	3592	1.898 ug/l #	1
23) tert-Butyl Alcohol	4.73	59	3400	10.285 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	24940	4.384 ug/l #	58
25) Chloroform	7.33	83	16941	5.145 ug/l	96
26) Cyclohexane	7.62	56	10880	3.585 ug/l #	97
29) 1,1-Dichloropropene	7.75	75	10688	4.680 ug/l	83
30) 2-Butanone	6.79	43	25277	21.389 ug/l #	94
31) 2,2-Dichloropropane	6.78	77	11651	4.625 ug/l #	72
32) 1,1,1-Trichloroethane	7.53	97	15527	6.044 ug/l	97
33) Carbon Tetrachloride	7.74	117	14072	6.276 ug/l	97
34) Benzene	8.00	78	33674	4.972 ug/l #	67
35) Methacrylonitrile	7.12	41	3811	3.715 ug/l	89
36) 1,2-Dichloroethane	8.09	62	15330	6.045 ug/l #	85
37) Trichloroethene	8.80	130	8509	5.476 ug/l	97
38) Methylcyclohexane	9.05	83	11140	4.308 ug/l	97
39) 1,2-Dichloropropane	9.08	63	8482	4.429 ug/l	96
40) Dibromomethane	9.18	93	6235	5.469 ug/l	99

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Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Quant Time: Aug 14 05:31:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 14 05:30:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	13293	5.428	ug/l	95
42) Vinyl Acetate	5.85	43	95329	19.948	ug/l	99
43) Ethyl Acetate	6.89	43	11858	4.956	ug/l	99
44) Isopropyl Acetate	8.13	43	17172	4.301	ug/l	94
45) 1,4-Dioxane	9.18	88	3366	115.407	ug/l #	92
46) Methyl methacrylate	9.17	41	8444	4.423	ug/l	88
47) n-amyl Acetate	12.05	43	13245	3.880	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	13387	4.793	ug/l	92
49) cis-1,3-Dichloropropene	9.81	75	13424	4.529	ug/l	94
50) 1,1,2-Trichloroethane	10.53	97	8604	5.365	ug/l	94
51) Ethyl methacrylate	10.40	69	10729	4.080	ug/l	95
52) 1,3-Dichloropropane	10.68	76	14827	5.097	ug/l	95
53) Dibromochloromethane	10.87	129	9820	5.509	ug/l	95
54) 1,2-Dibromoethane	10.98	107	8868	5.400	ug/l	92
55) 2-Chloroethyl vinyl ether	9.66	63	12775	16.051	ug/l	99
56) Bromoform	12.10	173	6748	5.501	ug/l #	99
58) 4-Methyl-2-Pentanone	9.96	43	54082	23.009	ug/l	98
59) 2-Hexanone	10.72	43	36826	21.403	ug/l	96
61) Tetrachloroethene	10.60	164	7680	6.049	ug/l	87
62) Toluene	10.13	91	36703	5.301	ug/l	98
64) Chlorobenzene	11.41	112	22617	5.463	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	9369	5.965	ug/l	97
66) Ethyl Benzene	11.48	91	36362	4.744	ug/l	100
67) m/p-Xylenes	11.59	106	25680	9.111	ug/l	95
68) o-Xylene	11.92	106	12341	4.599	ug/l	96
69) Styrene	11.94	104	21133	4.571	ug/l	98
70) Isopropylbenzene	12.22	105	36108	4.948	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	13672	5.772	ug/l	94
72) 1,2,3-Trichloropropane	12.53	75	18034	7.706	ug/l	73
73) Bromobenzene	12.50	156	9711	5.671	ug/l	99
74) n-propylbenzene	12.57	91	41524	4.812	ug/l	100
75) 2-Chlorotoluene	12.65	91	27554	5.248	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	31390	4.999	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	3950	4.720	ug/l	94
78) 4-Chlorotoluene	12.75	91	26591	4.978	ug/l	100
79) tert-butylbenzene	12.97	119	25372	4.897	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	28819	4.690	ug/l	99
81) sec-Butylbenzene	13.15	105	33731	4.861	ug/l	99
82) p-Isopropyltoluene	13.26	119	27634	4.504	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	15000	5.036	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	13932	4.750	ug/l	98
85) n-Butylbenzene	13.59	91	20610	3.971	ug/l	100
86) Hexachloroethane	13.85	117	7124	5.921	ug/l	89
87) 1,2-Dichlorobenzene	13.63	146	15082	5.254	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.25	75	2732	6.073	ug/l #	82
89) 1,2,4-Trichlorobenzene	14.89	180	4181	2.999	ug/l	97
90) Hexachlorobutadiene	14.99	225	4945	6.083	ug/l	91
91) Naphthalene	15.11	128	10372	2.779	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.28	180	4502	3.216	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
Quantitation Report (Not Reviewed)

Data File : VN062927.D
Acq On : 13 Aug 2020 22:32
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

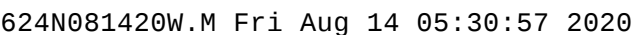
Instrument :
MSVOA_L
ClientSampleId :
BFB

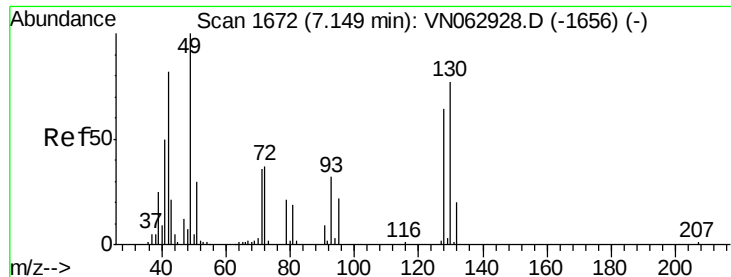
Quant Time: Aug 14 05:31:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 14 05:30:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Aug 14 05:31:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_N\METHODS\624N081420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 14 05:30:32 2020
Response via : Initial Calibration

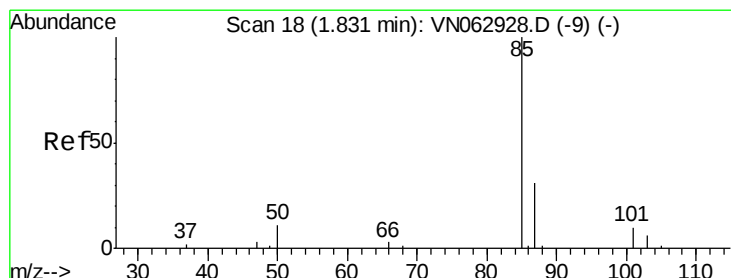
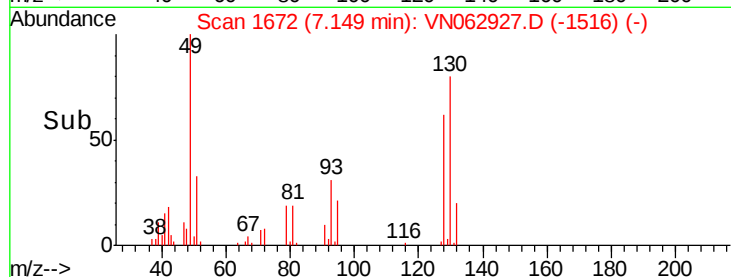
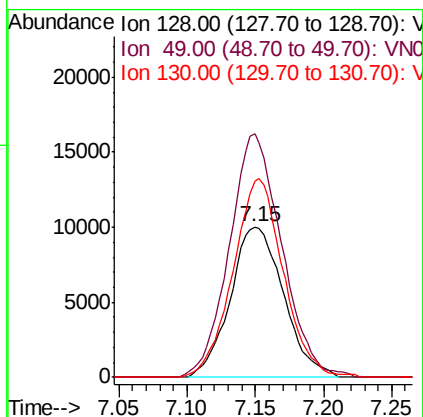
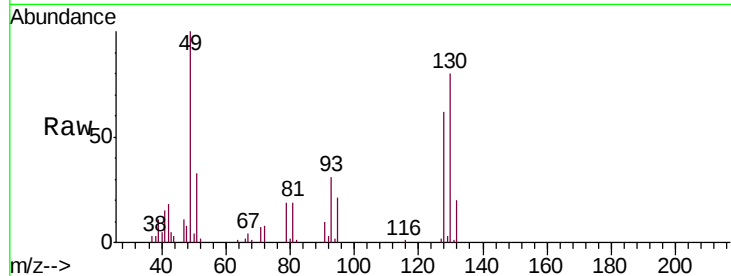




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

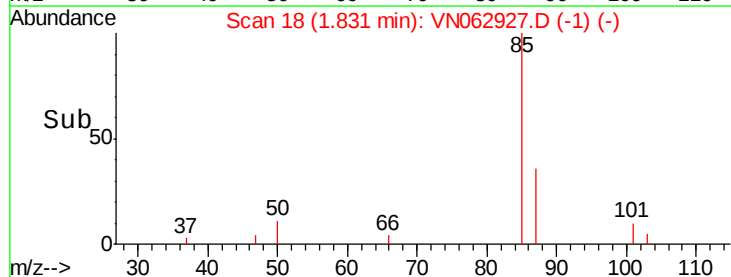
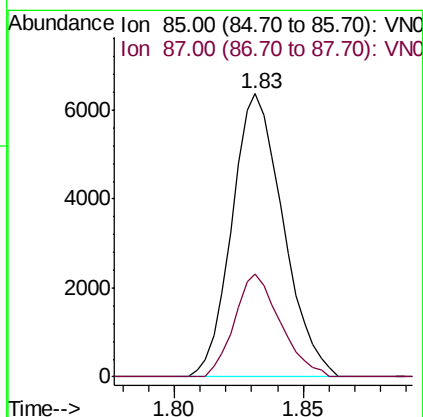
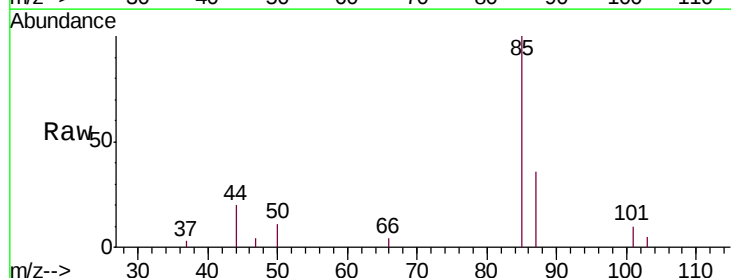
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

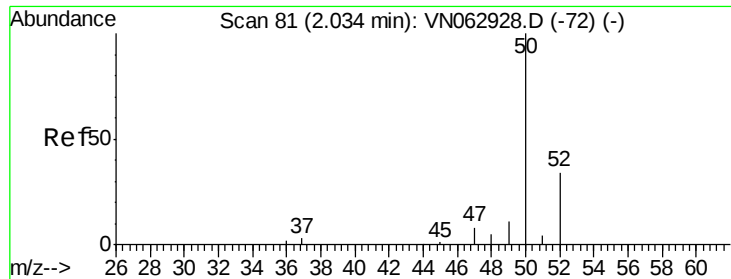
Tgt Ion:128 Resp: 27216
 Ion Ratio Lower Upper
 128 100
 49 159.0 0.0 410.0
 130 124.6 0.0 316.5



#2
 Dichlorodifluoromethane
 Concen: 4.921 ug/l
 RT: 1.83 min Scan# 18
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 85 Resp: 8800
 Ion Ratio Lower Upper
 85 100
 87 36.5 15.4 46.2

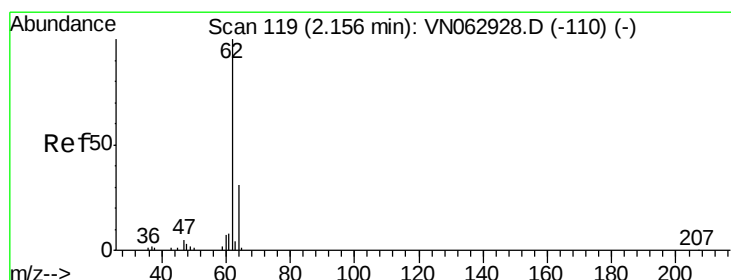
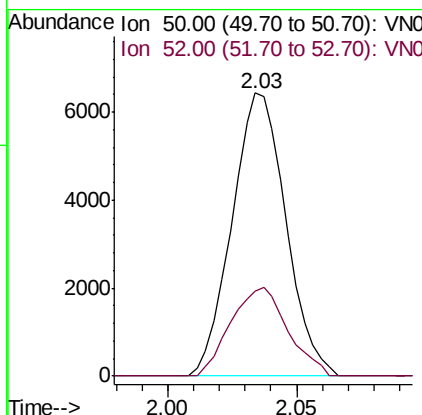
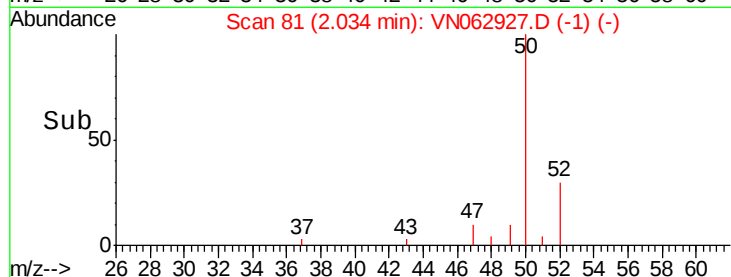
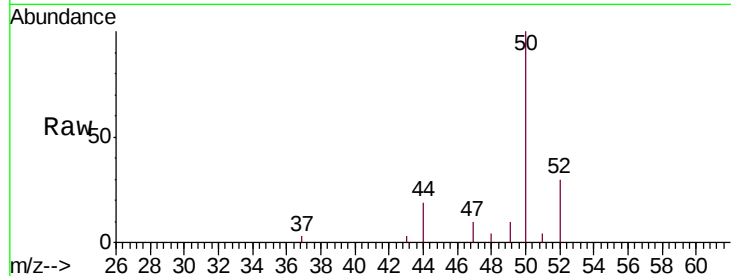




#3
 Chloromethane
 Concen: 4.167 ug/l
 RT: 2.03 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

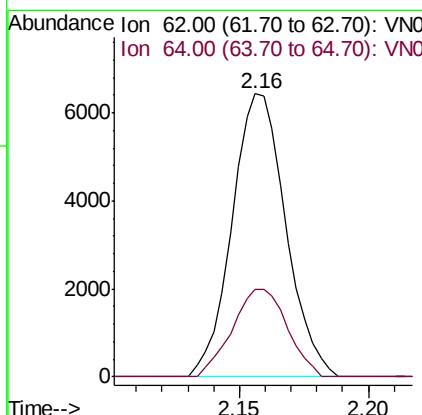
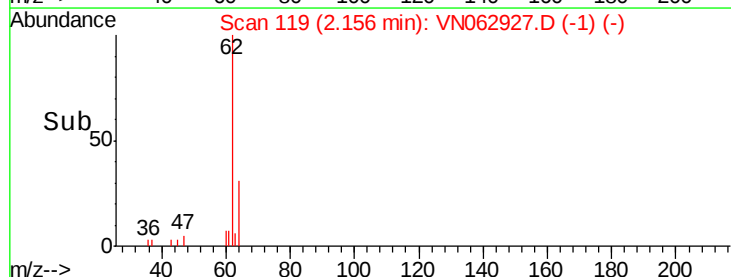
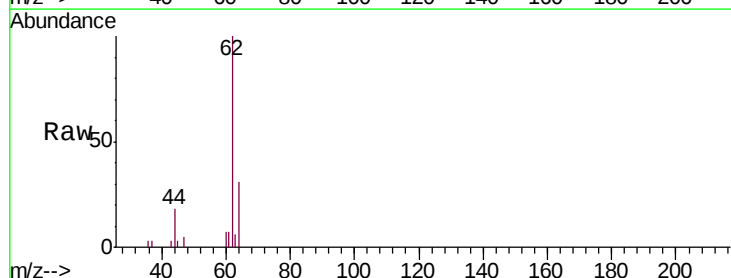
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

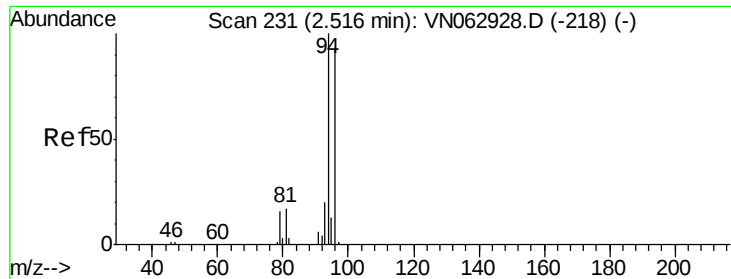
Tgt Ion: 50 Resp: 9334
 Ion Ratio Lower Upper
 50 100
 52 30.2 27.1 40.7



#4
 Vinyl Chloride
 Concen: 4.652 ug/l
 RT: 2.16 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 62 Resp: 9316
 Ion Ratio Lower Upper
 62 100
 64 30.8 24.6 37.0





#5

Bromomethane

Concen: 8.596 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.01 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

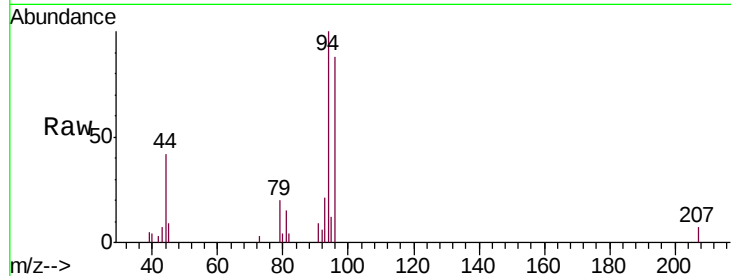
BFB

Tgt Ion: 94 Resp: 10206

Ion Ratio Lower Upper

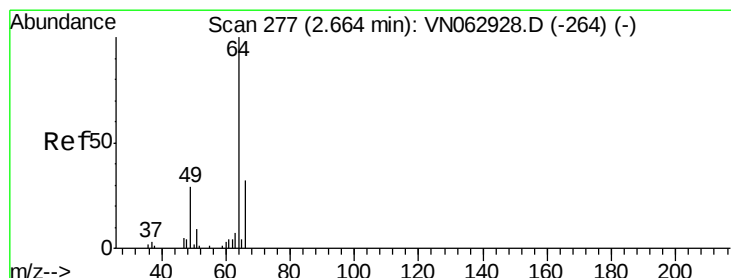
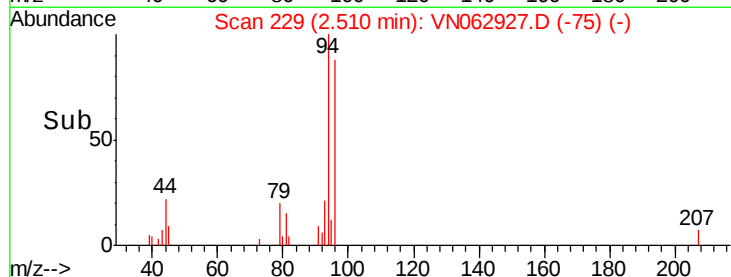
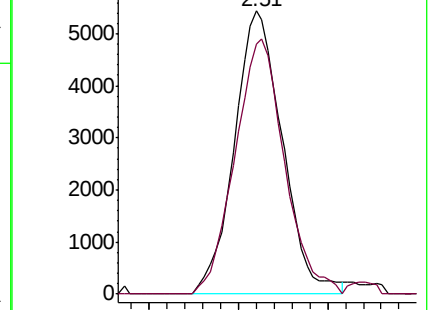
94 100

96 88.4 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN062927.D (-218) (-)

Ion 96.00 (95.70 to 96.70): VN062927.D (-218) (-)



#6

Chloroethane

Concen: 7.786 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.01 min

Lab File: VN062927.D

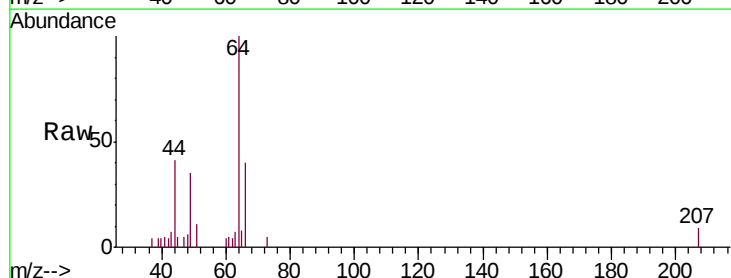
Acq: 13 Aug 2020 22:32

Tgt Ion: 64 Resp: 9167

Ion Ratio Lower Upper

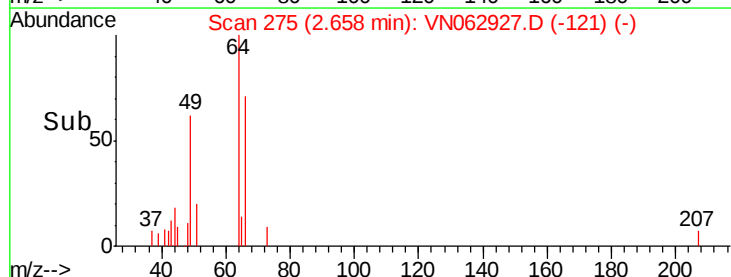
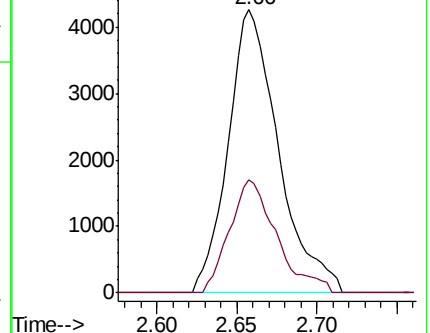
64 100

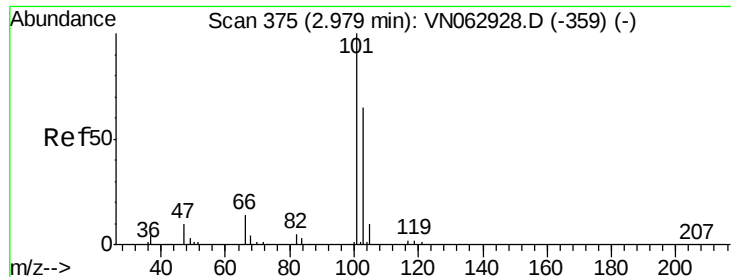
66 39.9 25.3 37.9#



Abundance Ion 64.00 (63.70 to 64.70): VN062927.D (-264) (-)

Ion 66.00 (65.70 to 66.70): VN062927.D (-264) (-)



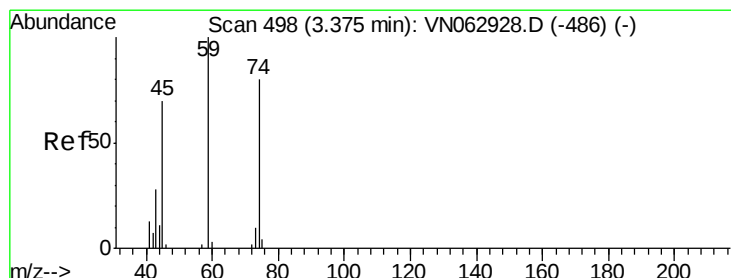
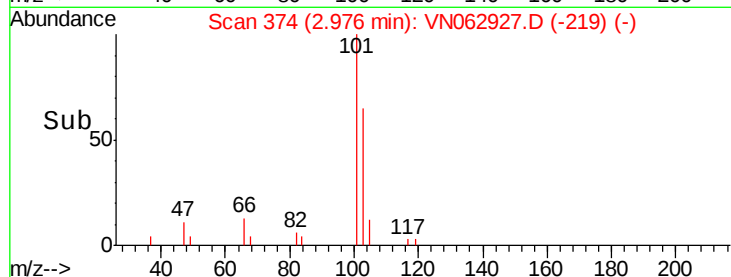
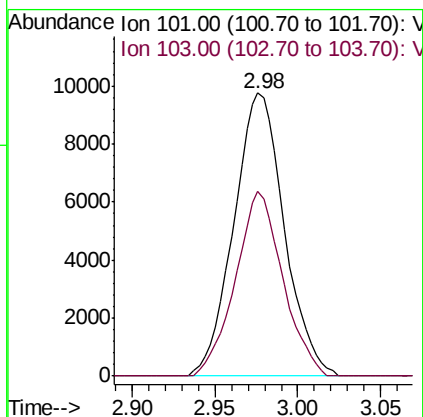
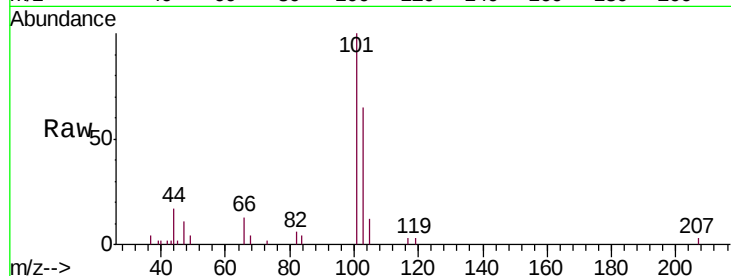


#7

Trichlorofluoromethane
 Concen: 7.330 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

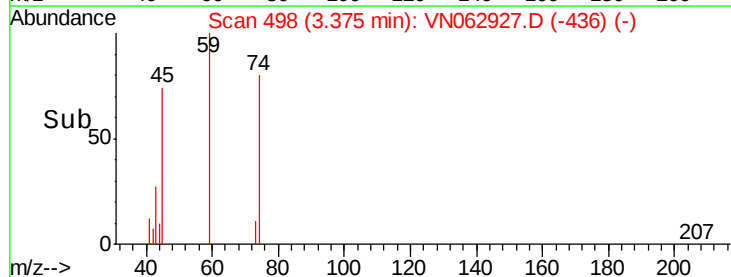
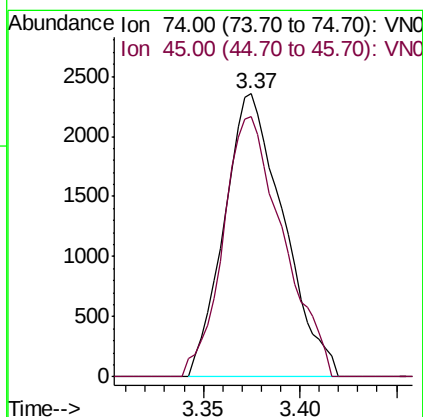
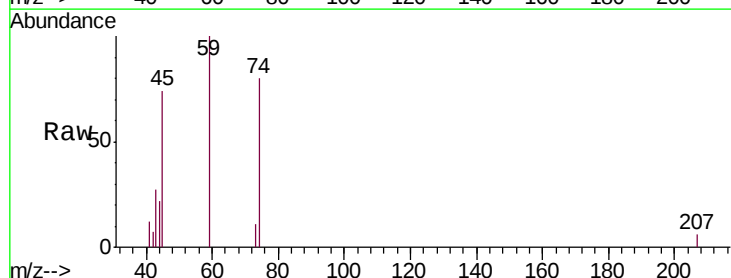
Tgt Ion:101 Resp: 20604
 Ion Ratio Lower Upper
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 103 65.1 51.8 77.6

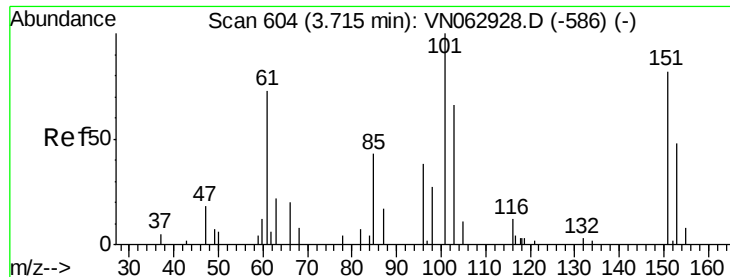


#8

Diethyl Ether
 Concen: 4.587 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 74 Resp: 4998
 Ion Ratio Lower Upper
 74 100
 45 93.0 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.252 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

BFB

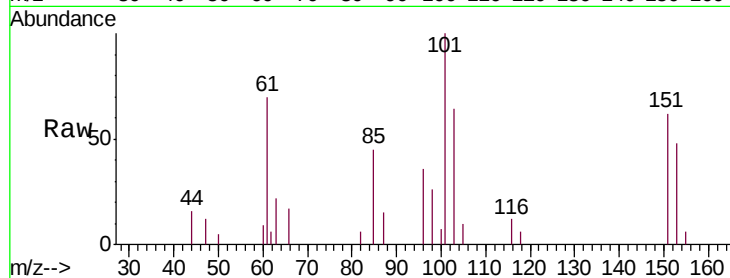
Tgt Ion: 101 Resp: 7871

Ion Ratio Lower Upper

101 100

85 42.7 0.0 92.4

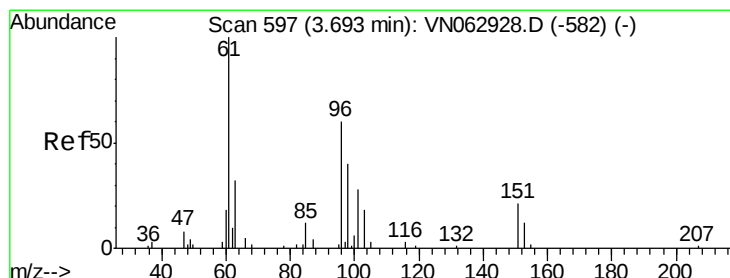
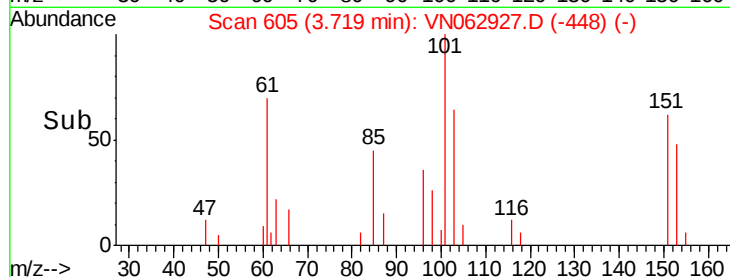
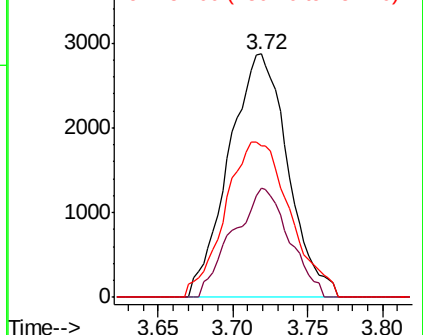
151 70.0 0.0 162.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 1.465 ug/l

RT: 3.69 min Scan# 595

Delta R.T. -0.01 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

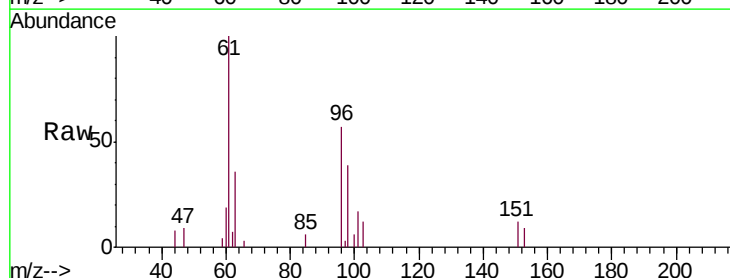
Tgt Ion: 96 Resp: 2196

Ion Ratio Lower Upper

96 100

61 175.0 134.5 201.7

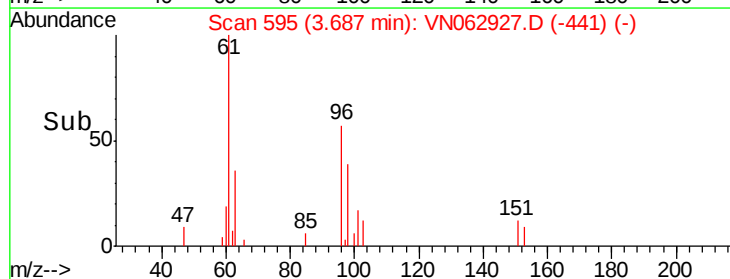
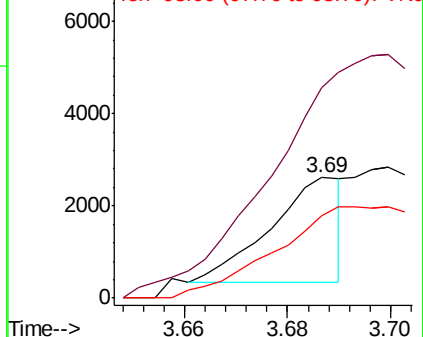
98 70.1 53.3 79.9

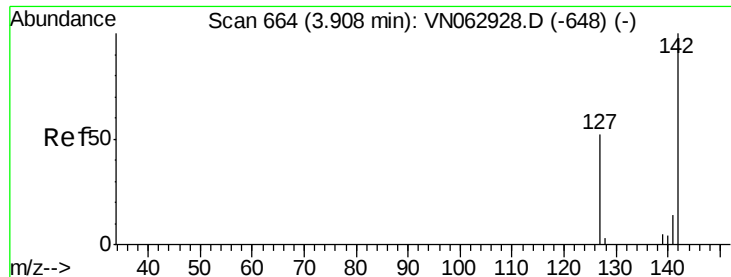


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

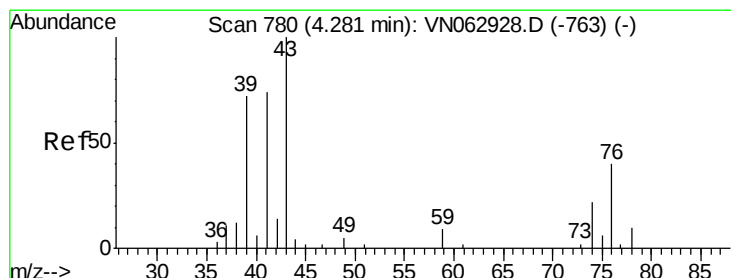
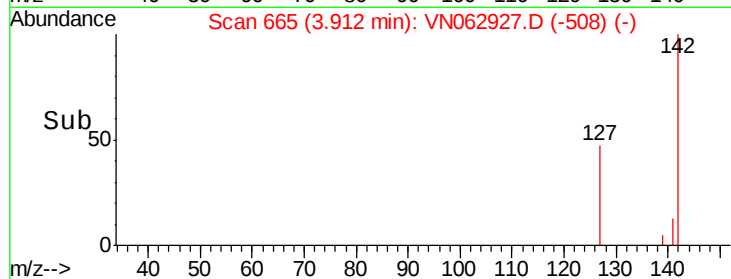
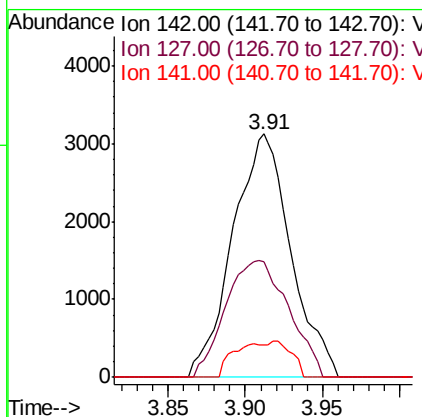
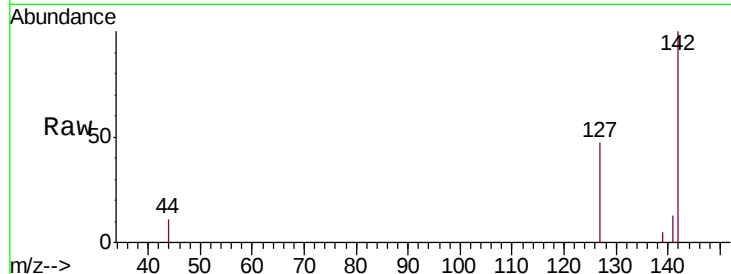




#11
Methyl Iodide
Concen: 4.342 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

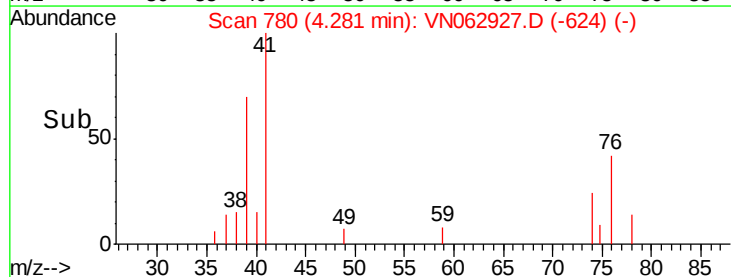
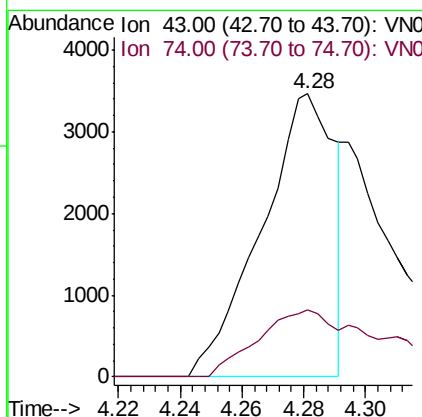
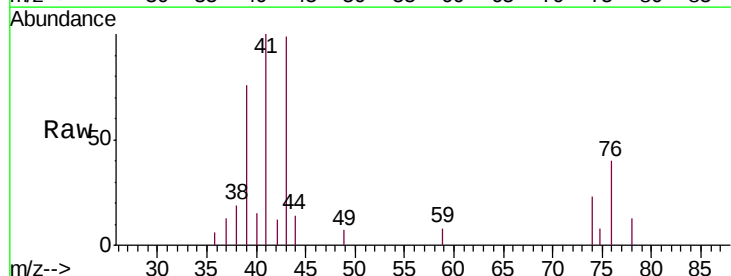
Instrument :
MSVOA_L
ClientSampleId :
BFB

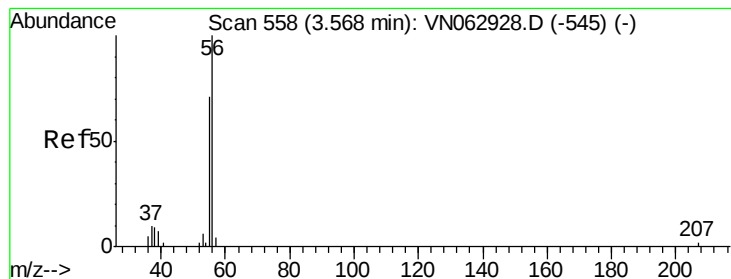
Tgt Ion: 142 Resp: 8147
Ion Ratio Lower Upper
142 100
127 47.5 26.1 78.3
141 13.1 7.2 21.7



#12
Methyl Acetate
Concen: 2.748 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion: 43 Resp: 5657
Ion Ratio Lower Upper
43 100
74 25.9 18.1 27.1





#13

Acrolein

Concen: 22.568 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

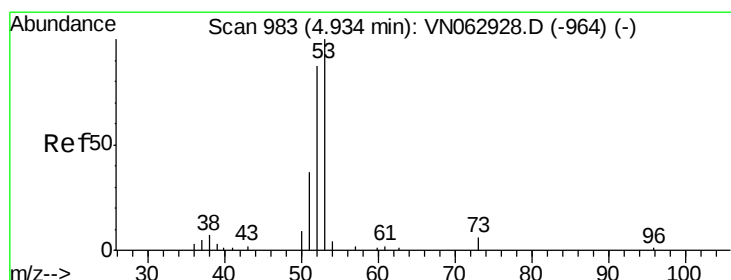
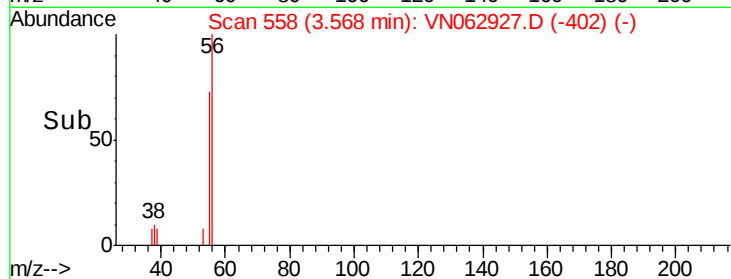
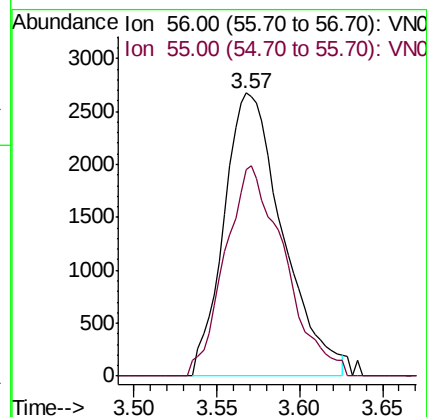
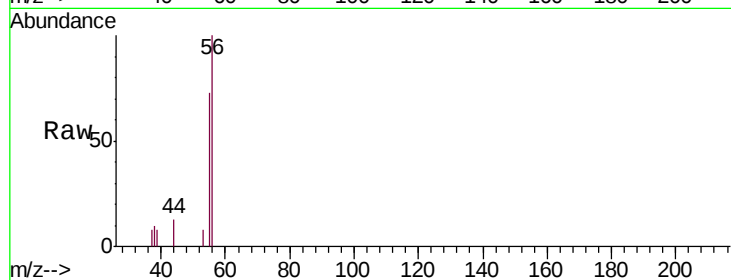
BFB

Tgt Ion: 56 Resp: 6598

Ion Ratio Lower Upper

56 100

55 75.3 60.2 90.4



#14

Acrylonitrile

Concen: 18.998 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

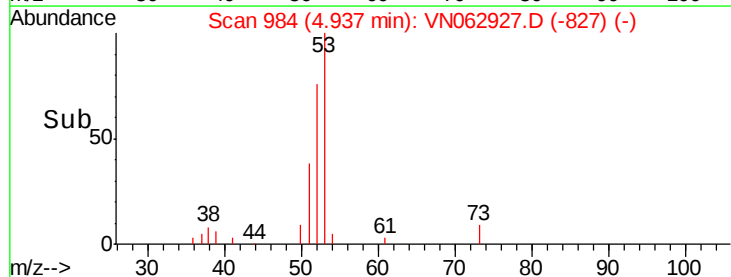
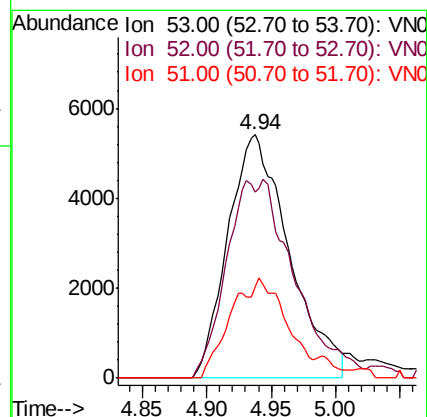
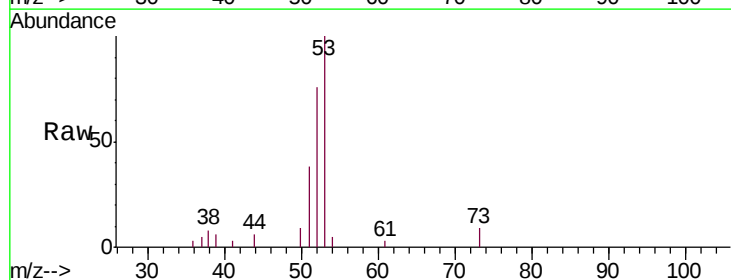
Tgt Ion: 53 Resp: 17916

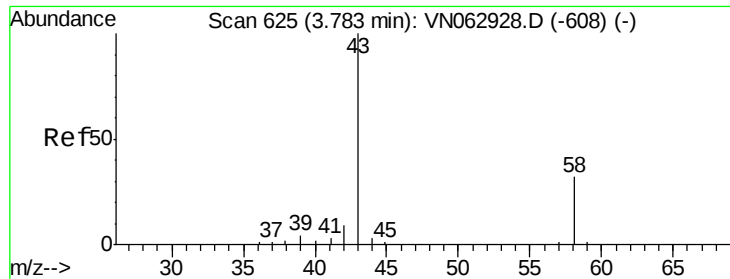
Ion Ratio Lower Upper

53 100

52 0.0 43.1 129.4#

51 2.5 19.1 57.1#





#15

Acetone

Concen: 19.846 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

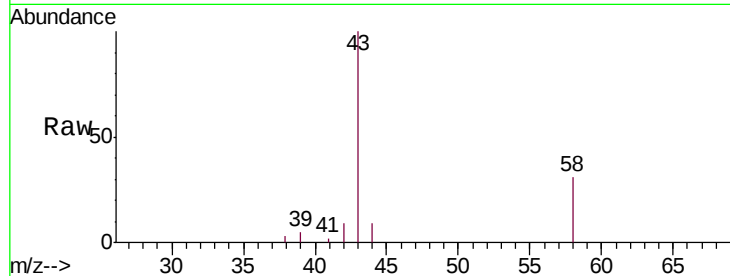
BFB

Tgt Ion: 58 Resp: 5447

Ion Ratio Lower Upper

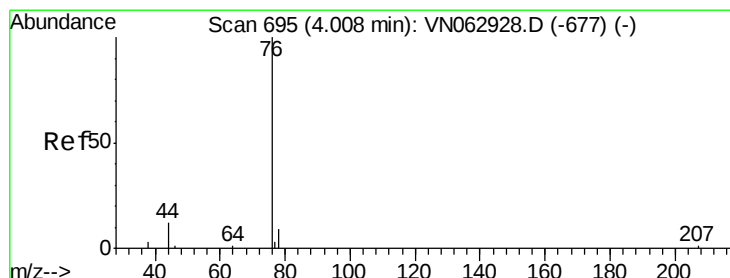
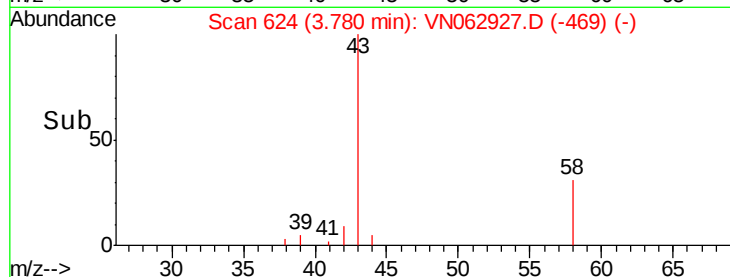
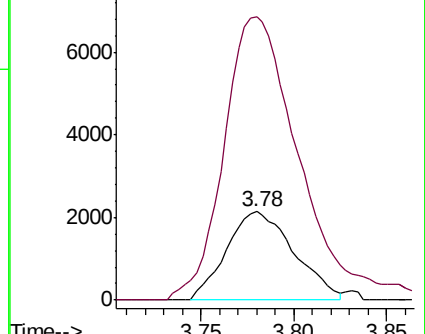
58 100

43 297.6 250.0 375.0



Abundance Ion 58.00 (57.70 to 58.70): VN062927.D (-539) (-)

Ion 43.00 (42.70 to 43.70): VN062927.D (-539) (-)



#16

Carbon Disulfide

Concen: 4.819 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062927.D

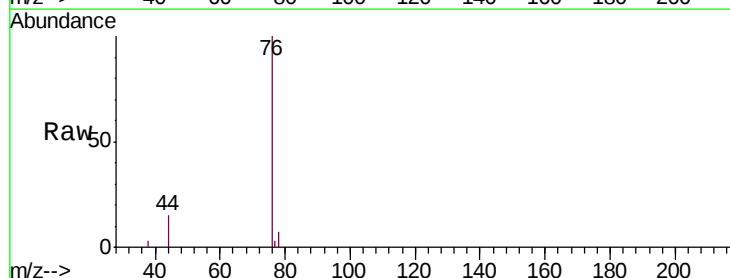
Acq: 13 Aug 2020 22:32

Tgt Ion: 76 Resp: 22952

Ion Ratio Lower Upper

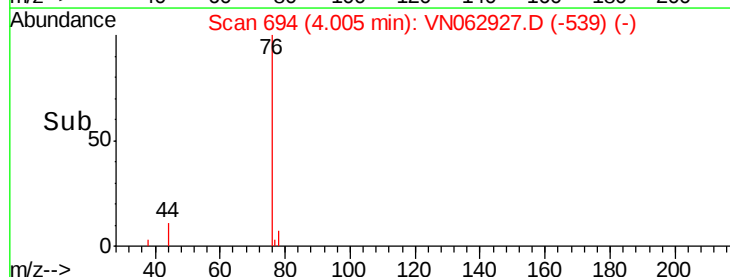
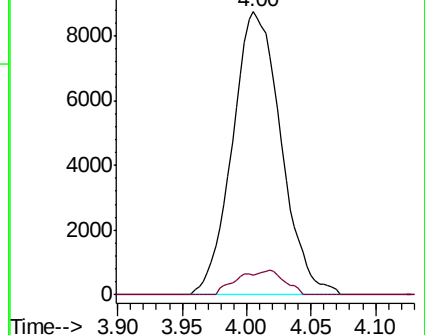
76 100

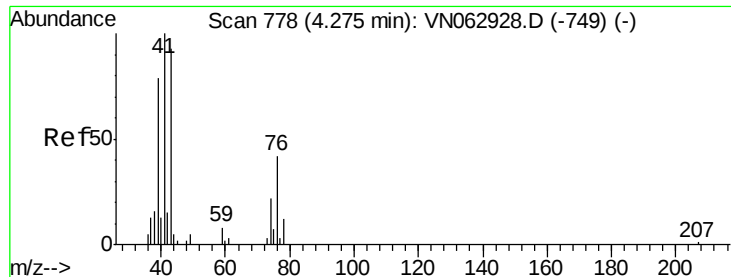
78 6.9 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VN062927.D (-539) (-)

Ion 78.00 (77.70 to 78.70): VN062927.D (-539) (-)

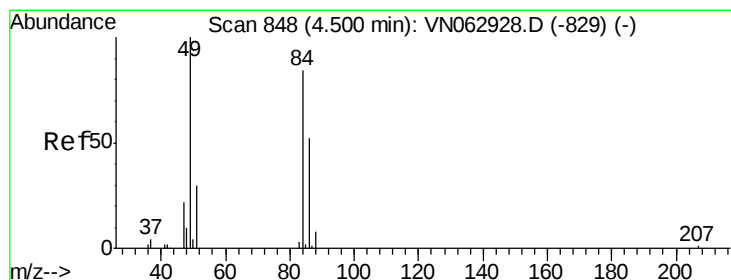
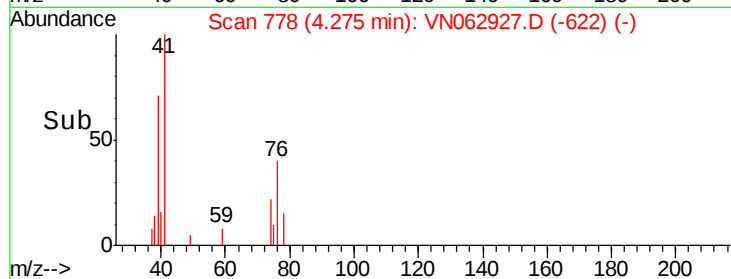
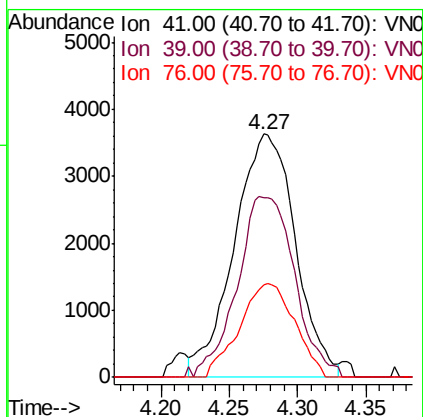
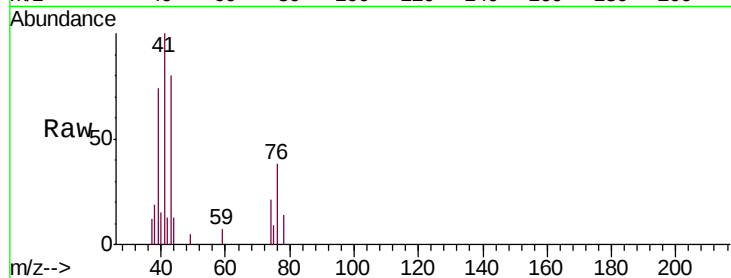




#17
 Allyl chloride
 Concen: 3.720 ug/l
 RT: 4.27 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

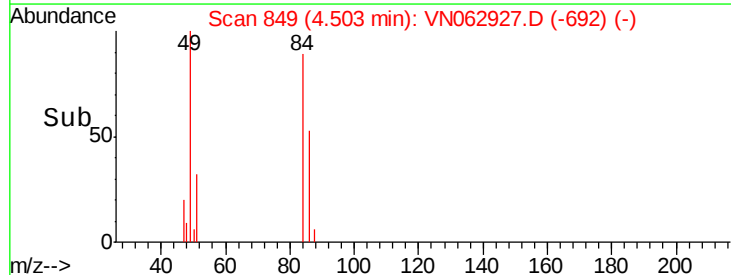
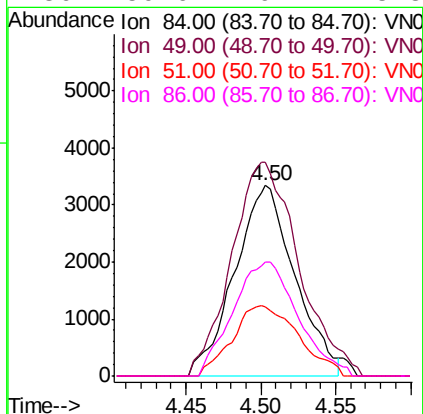
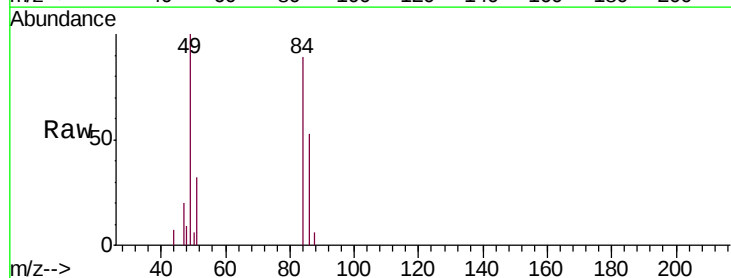
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

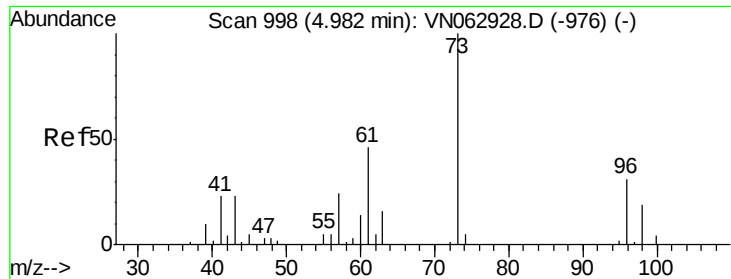
Tgt Ion: 41 Resp: 11310
 Ion Ratio Lower Upper
 41 100
 39 73.4 39.6 118.7
 76 40.0 21.3 63.7



#18
 Methylene Chloride
 Concen: 5.054 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 84 Resp: 9354
 Ion Ratio Lower Upper
 84 100
 49 112.0 95.0 142.6
 51 36.1 28.2 42.4
 86 59.6 49.2 73.8

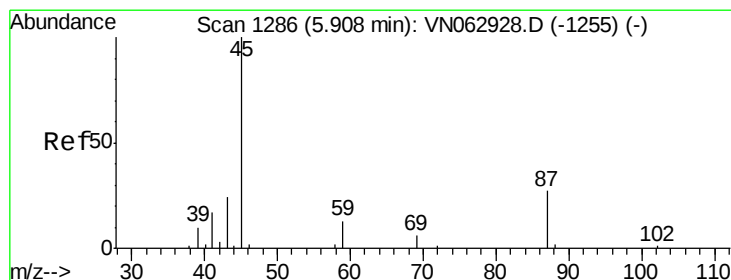
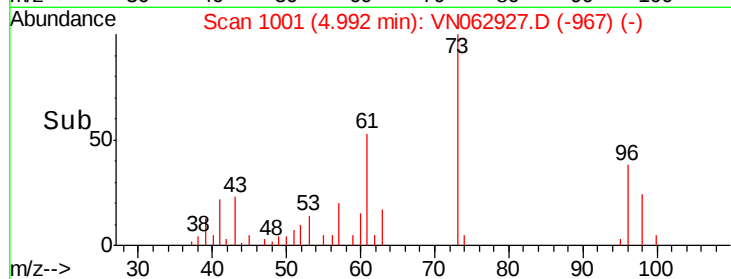
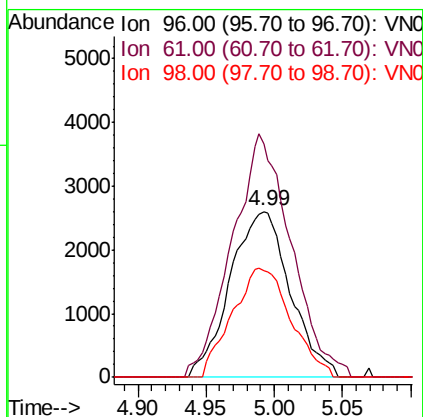
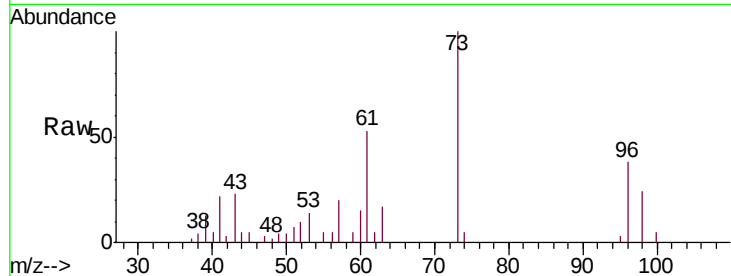




#19
trans-1,2-Dichloroethene
Concen: 4.821 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

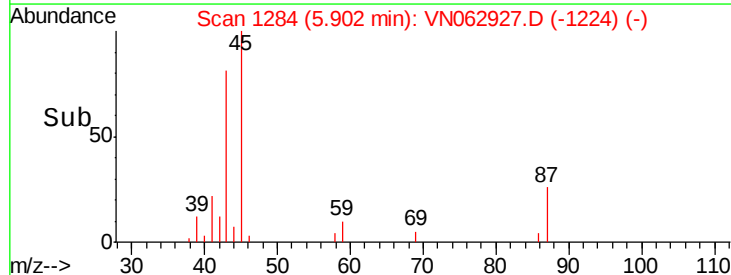
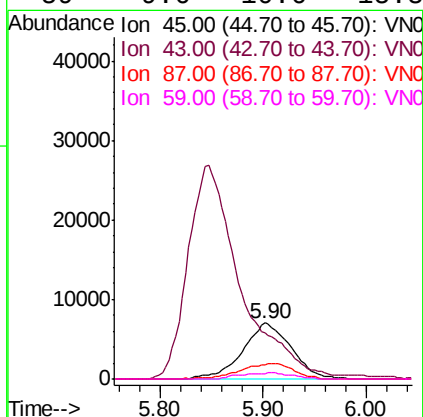
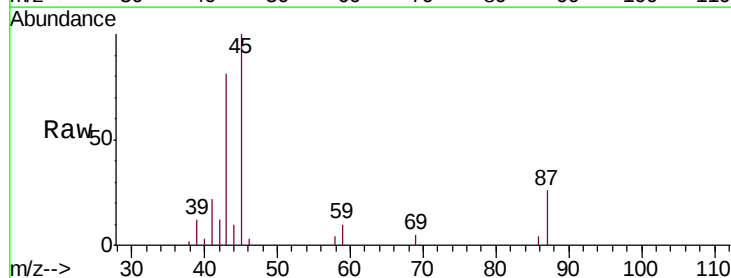
Instrument :
MSVOA_L
ClientSampleId :
BFB

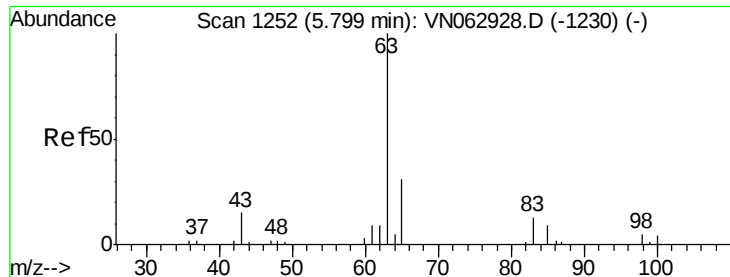
Tgt Ion: 96 Resp: 7986
Ion Ratio Lower Upper
96 100
61 133.7 118.0 177.0
98 64.8 48.7 73.1



#20
Diisopropyl ether
Concen: 3.524 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion: 45 Resp: 22804
Ion Ratio Lower Upper
45 100
43 74.7 48.6 72.8#
87 25.5 22.6 34.0
59 9.6 10.6 15.8#

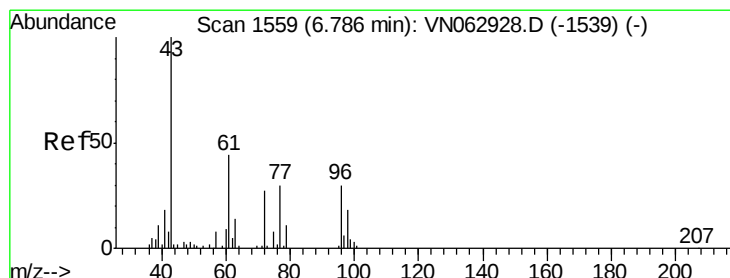
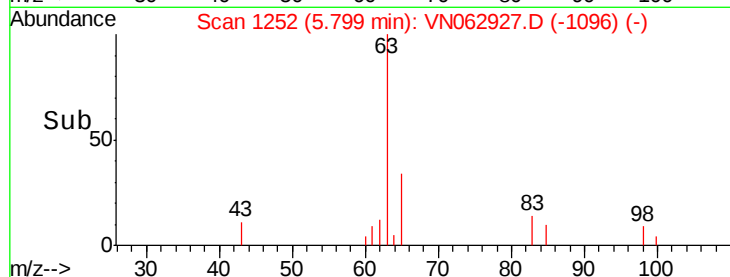
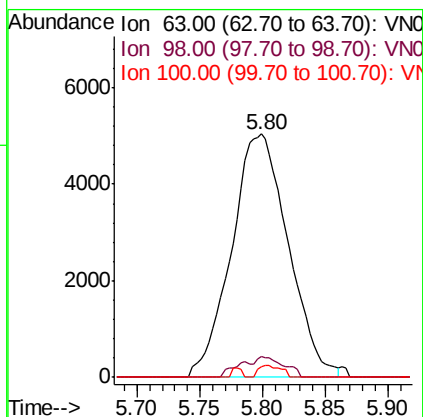
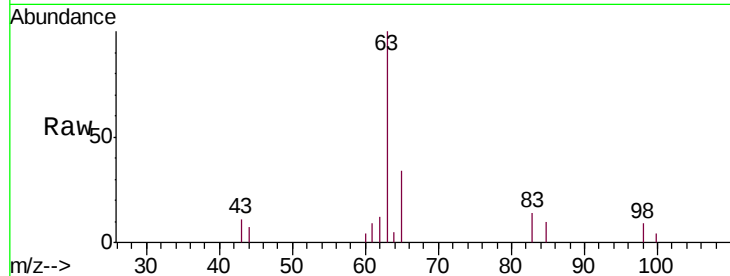




#21
 1,1-Dichloroethane
 Concen: 4.532 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

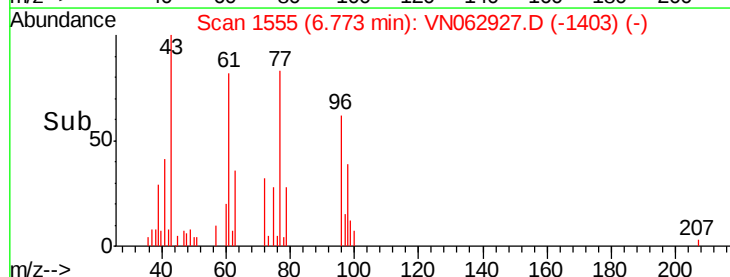
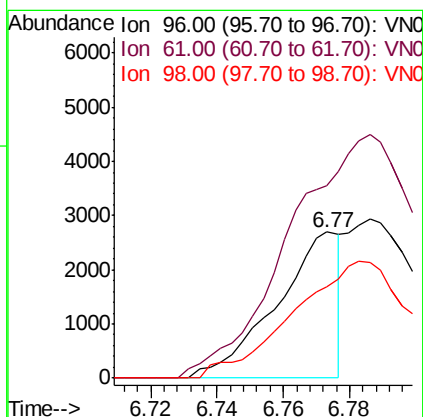
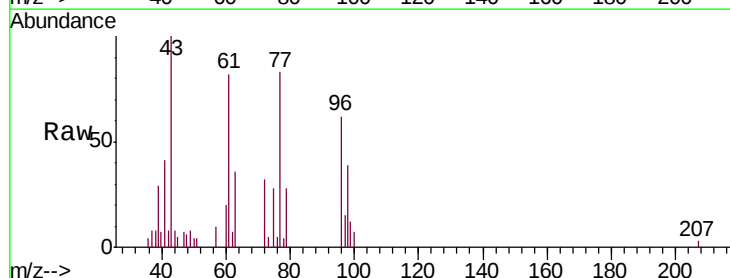
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

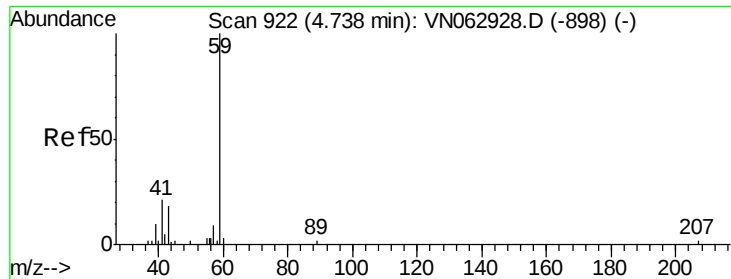
Tgt Ion: 63 Resp: 15822
 Ion Ratio Lower Upper
 63 100
 98 8.7 2.6 7.8#
 100 4.2 2.1 6.5



#22
 cis-1,2-Dichloroethene
 Concen: 1.898 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 96 Resp: 3592
 Ion Ratio Lower Upper
 96 100
 61 351.9 124.9 187.3#
 98 154.1 27.8 41.6#





#23

tert-Butyl Alcohol

Concen: 10.285 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.01 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

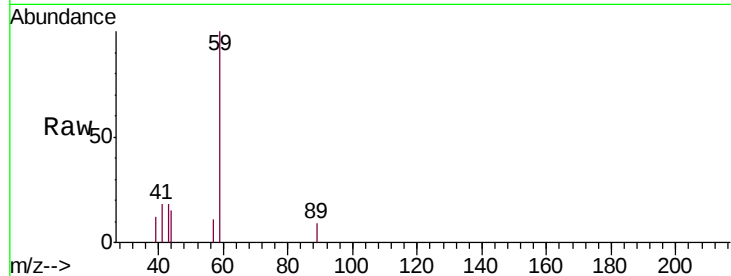
BFB

Tgt Ion: 59 Resp: 3400

Ion Ratio Lower Upper

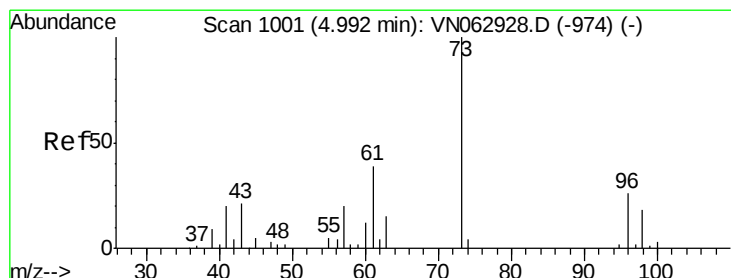
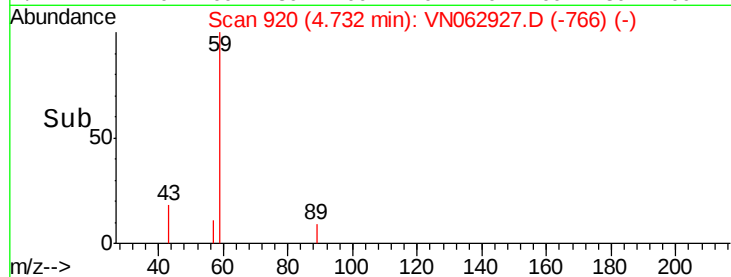
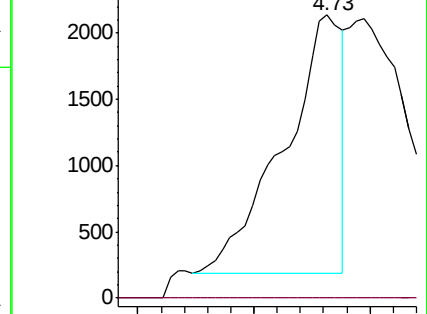
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN062927.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN062927.D (-898) (-)



#24

Methyl tert-Butyl Ether

Concen: 4.384 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN062927.D

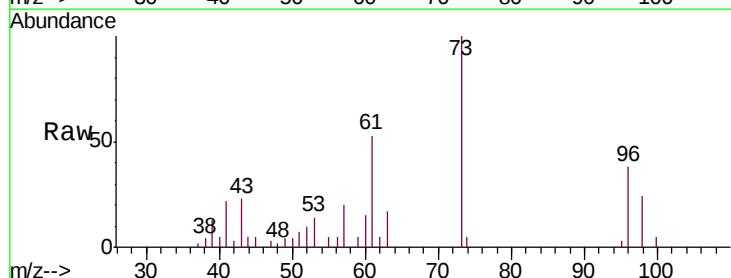
Acq: 13 Aug 2020 22:32

Tgt Ion: 73 Resp: 24940

Ion Ratio Lower Upper

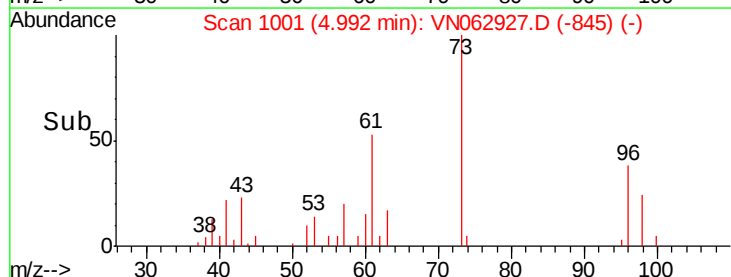
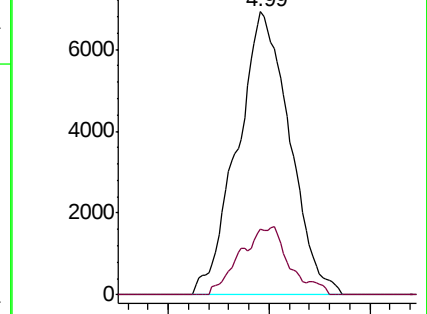
73 100

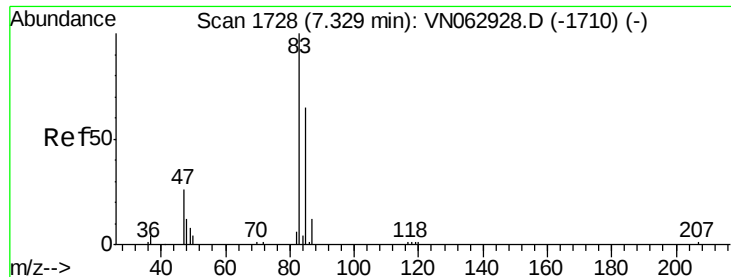
43 1.8 17.3 25.9#



Abundance Ion 73.00 (72.70 to 73.70): VN062927.D (-974) (-)

Ion 43.00 (42.70 to 43.70): VN062927.D (-974) (-)

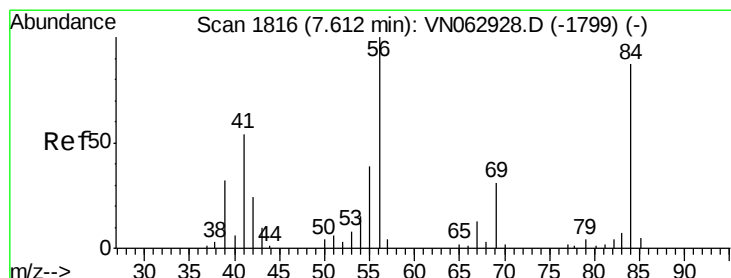
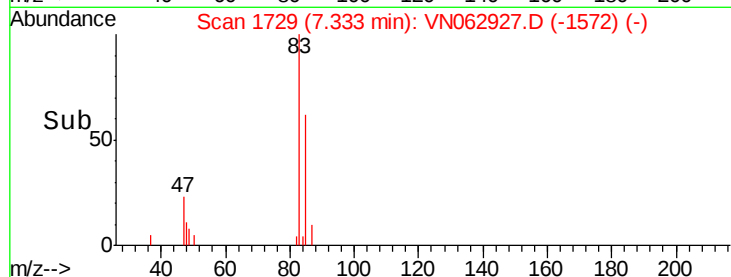
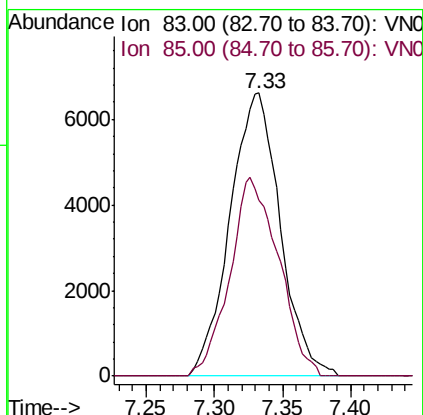
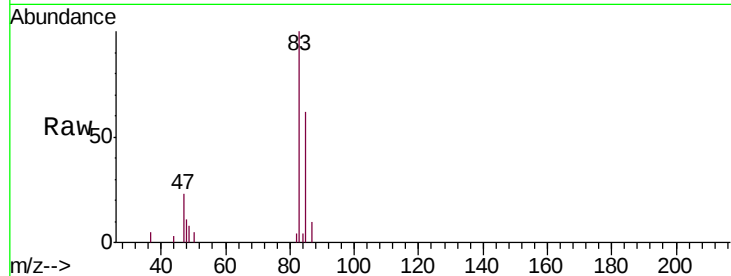




#25
Chloroform
Concen: 5.145 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

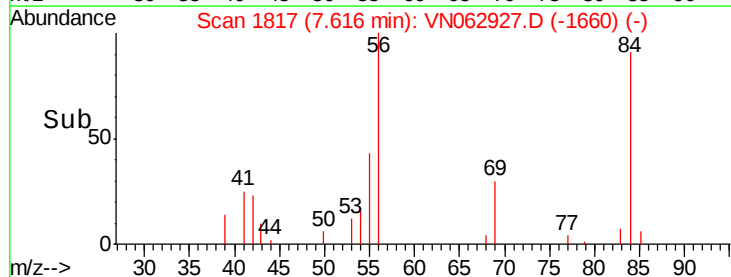
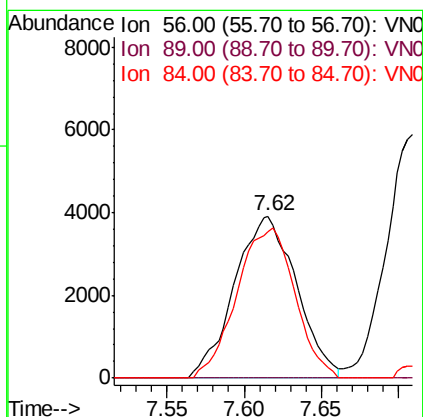
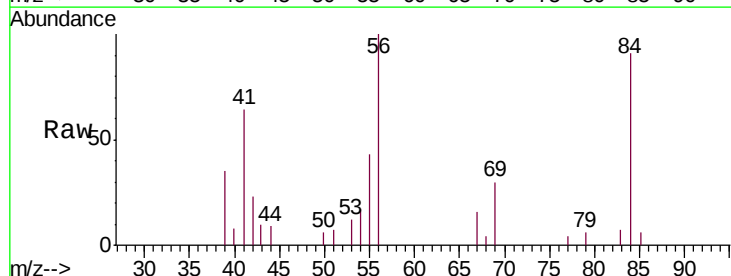
Instrument :
MSVOA_L
ClientSampleId :
BFB

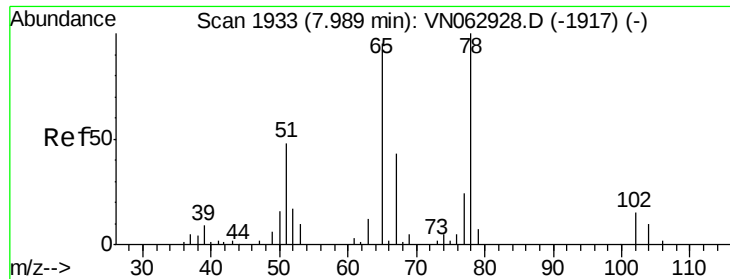
Tgt Ion: 83 Resp: 16941
Ion Ratio Lower Upper
83 100
85 62.2 52.3 78.5



#26
Cyclohexane
Concen: 3.585 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion: 56 Resp: 10880
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.9 71.9 107.9

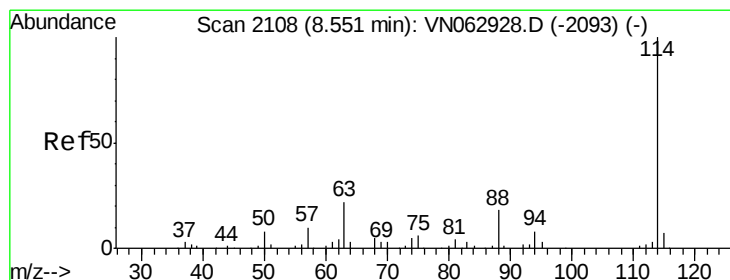
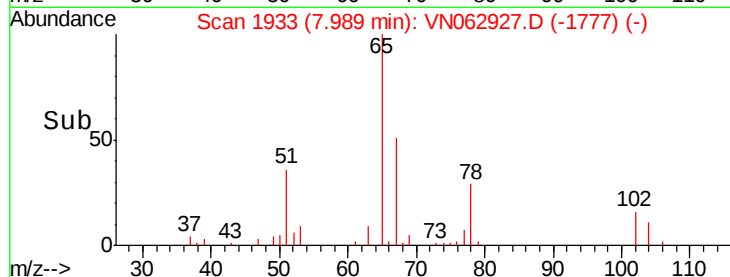
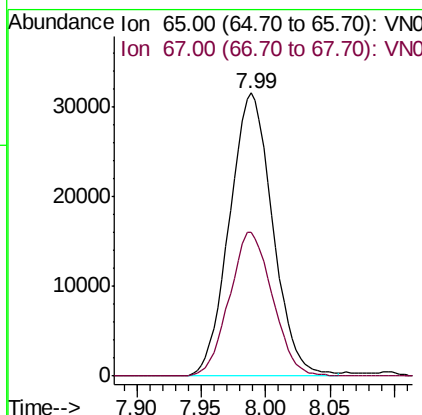
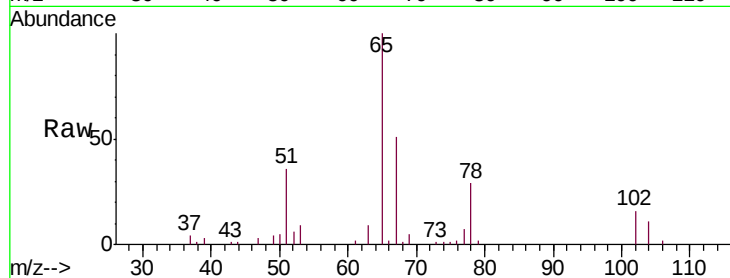




#27
 1,2-Dichloroethane-d4
 Concen: 31.085 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

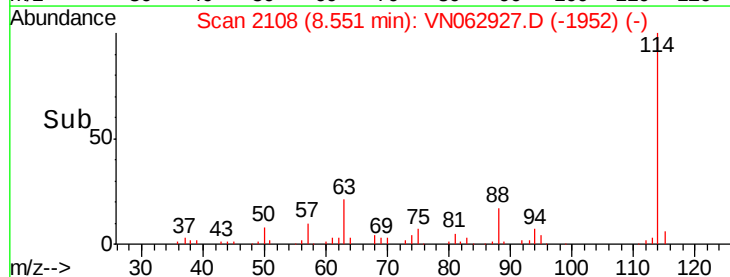
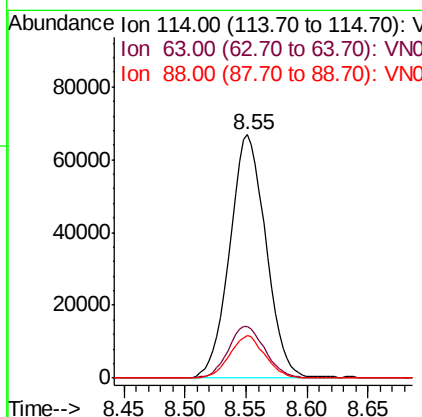
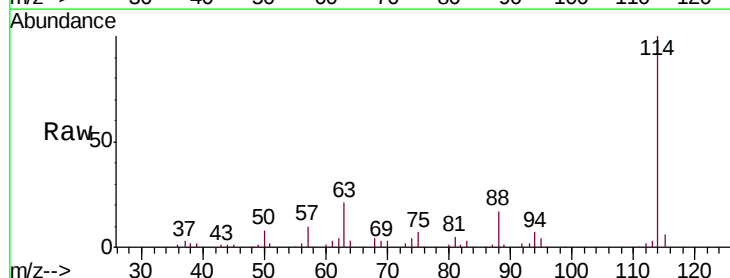
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

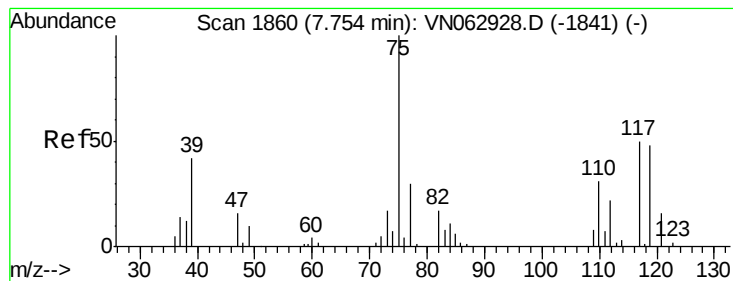
Tgt Ion: 65 Resp: 73435
 Ion Ratio Lower Upper
 65 100
 67 50.6 39.5 59.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 114 Resp: 138220
 Ion Ratio Lower Upper
 114 100
 63 21.5 17.7 26.5
 88 17.1 13.9 20.9





#29

1,1-Dichloropropene

Concen: 4.680 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

BFB

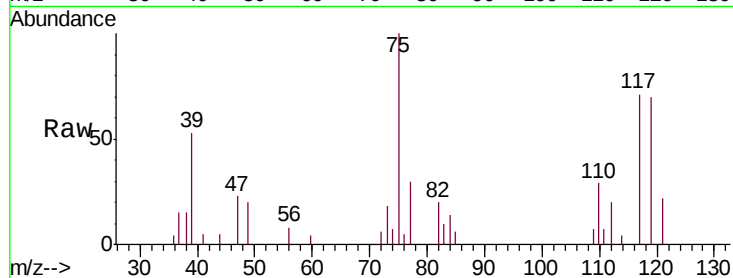
Tgt Ion: 75 Resp: 10688

Ion Ratio Lower Upper

75 100

110 17.0 0.0 65.8

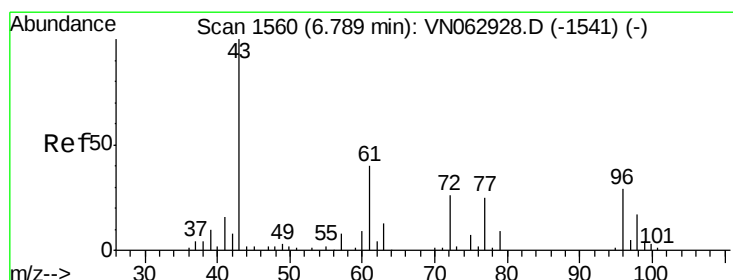
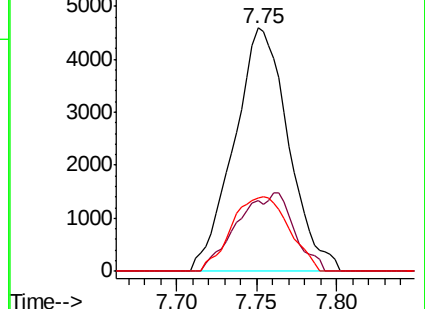
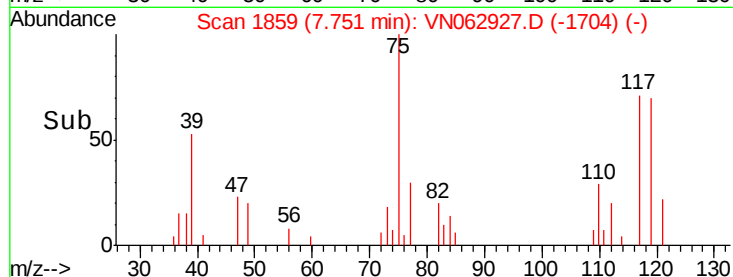
77 32.3 0.0 59.8



Abundance Ion 75.00 (74.70 to 75.70): VN062927.D (-1704) (-)

Ion 110.00 (109.70 to 110.70): VN062927.D (-1704) (-)

Ion 77.00 (76.70 to 77.70): VN062927.D (-1704) (-)



#30

2-Butanone

Concen: 21.389 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

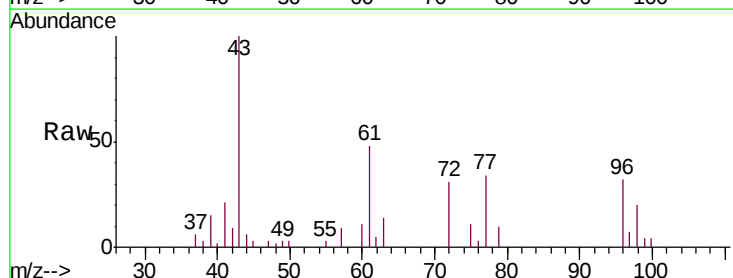
Tgt Ion: 43 Resp: 25277

Ion Ratio Lower Upper

43 100

57 5.1 7.0 10.6#

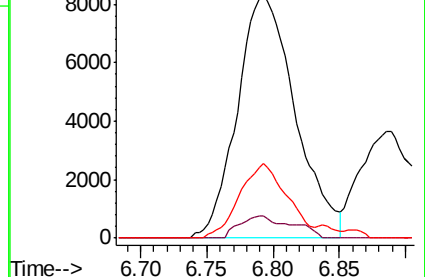
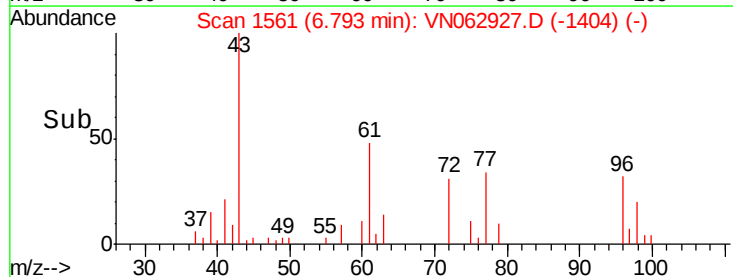
72 25.3 22.0 33.0

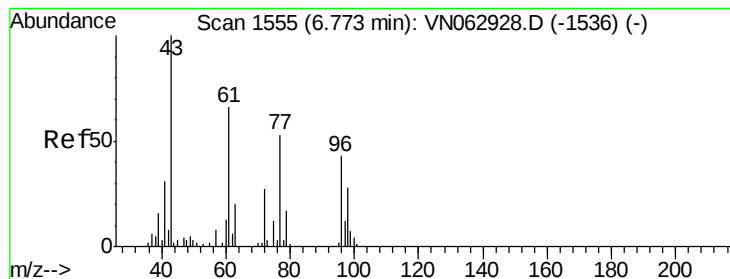


Abundance Ion 43.00 (42.70 to 43.70): VN062927.D (-1404) (-)

Ion 57.00 (56.70 to 57.70): VN062927.D (-1404) (-)

Ion 72.00 (71.70 to 72.70): VN062927.D (-1404) (-)





#31

2,2-Dichloropropane

Concen: 4.625 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

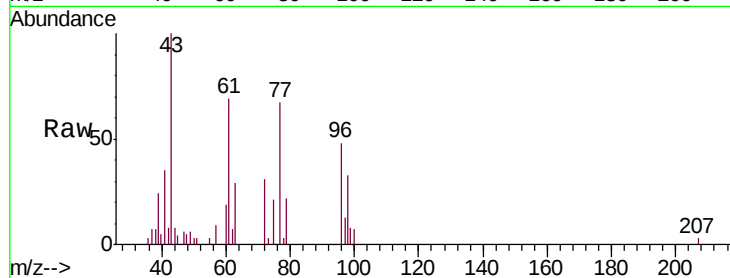
BFB

Tgt Ion: 77 Resp: 11651

Ion Ratio Lower Upper

77 100

97 7.3 16.1 24.1#



Abundance Ion 77.00 (76.70 to 77.70): VN062928.D (-1536) (-)

Ion 97.00 (96.70 to 97.70): VN062928.D (-1536) (-)

6.78

4000

3000

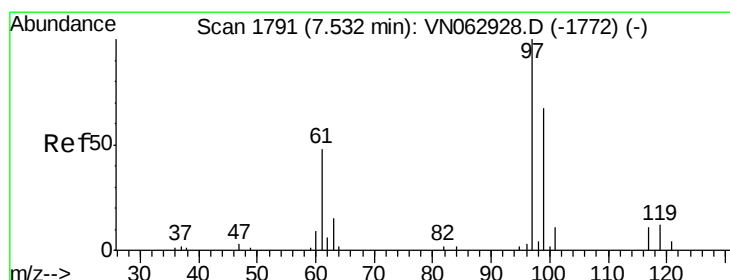
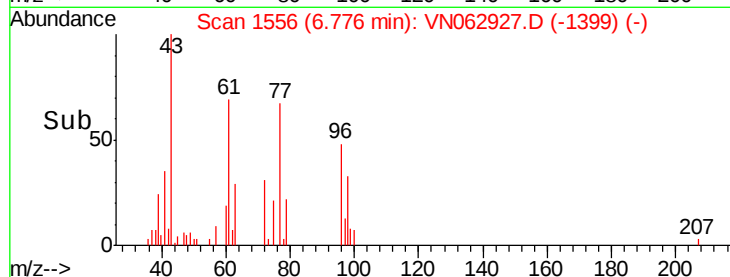
2000

1000

0

6.70 6.75 6.80 6.85

Time-->



#32

1,1,1-Trichloroethane

Concen: 6.044 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

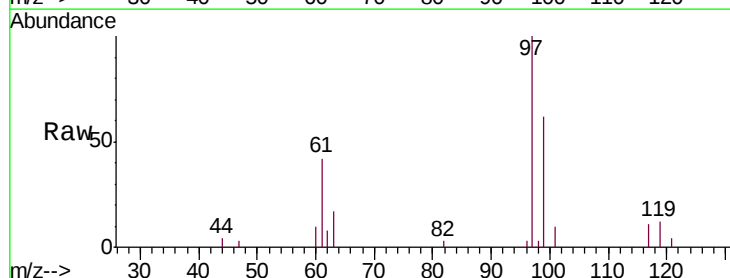
Tgt Ion: 97 Resp: 15527

Ion Ratio Lower Upper

97 100

99 65.2 53.8 80.8

61 43.2 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VN062928.D (-1772) (-)

Ion 99.00 (98.70 to 99.70): VN062928.D (-1772) (-)

Ion 61.00 (60.70 to 61.70): VN062928.D (-1772) (-)

7.53

8000

6000

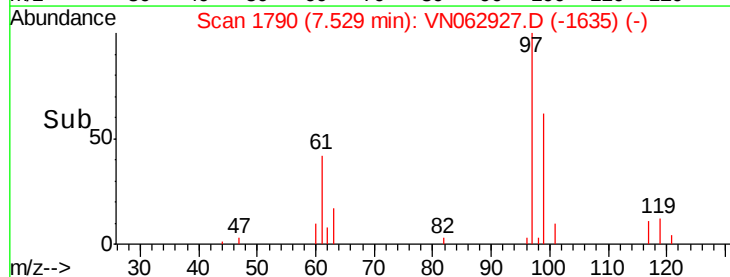
4000

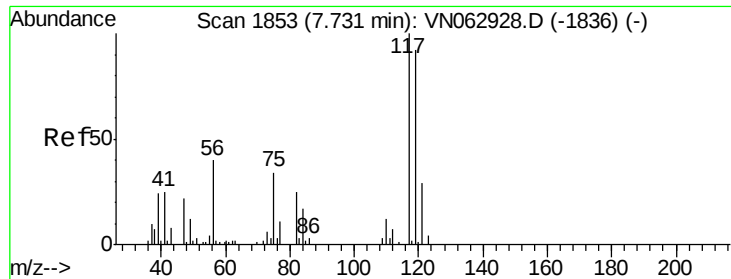
2000

0

7.45 7.50 7.55 7.60

Time-->

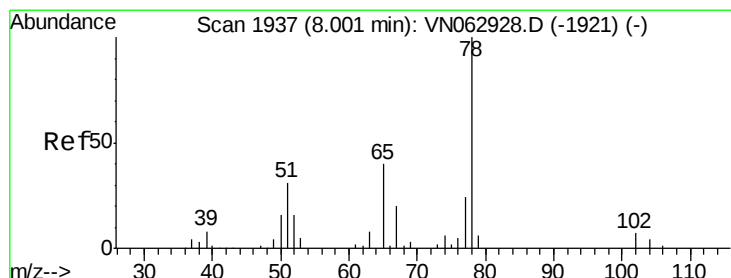
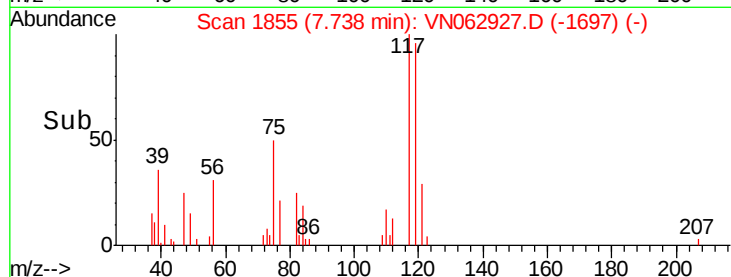
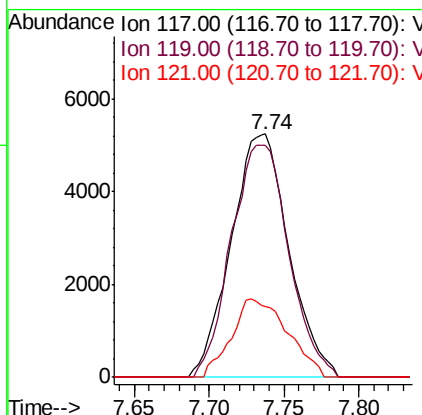
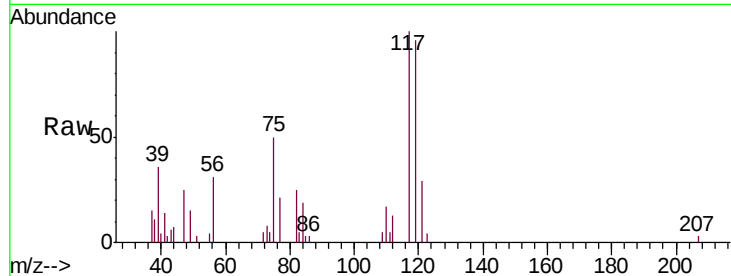




#33
Carbon Tetrachloride
Concen: 6.276 ug/l
RT: 7.74 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

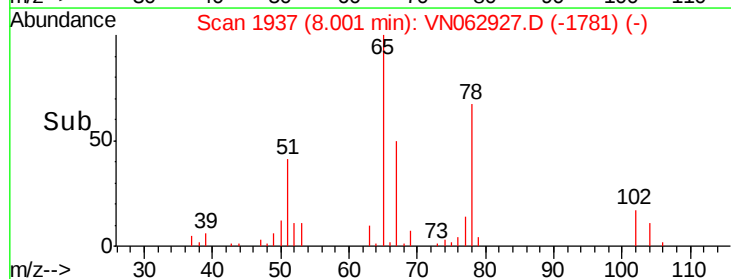
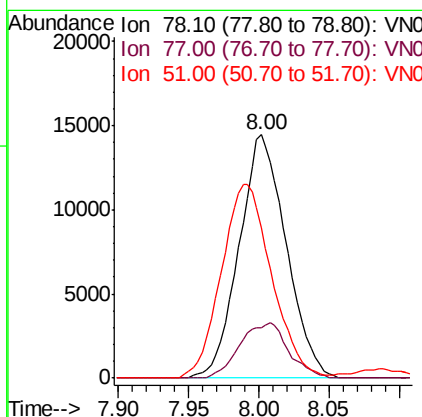
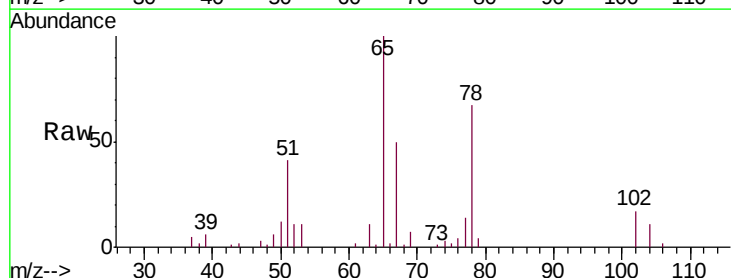
Instrument :
MSVOA_L
ClientSampleId :
BFB

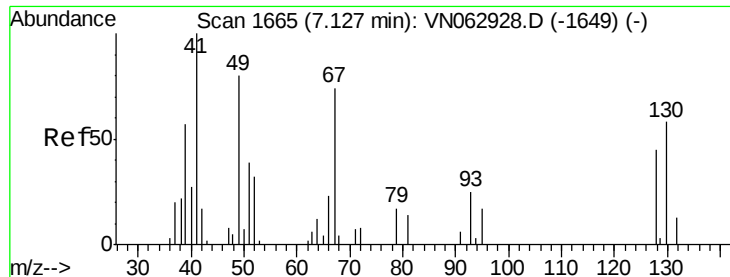
Tgt Ion: 117 Resp: 14072
Ion Ratio Lower Upper
117 100
119 95.6 73.9 110.9
121 28.9 23.2 34.8



#34
Benzene
Concen: 4.972 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion: 78 Resp: 33674
Ion Ratio Lower Upper
78 100
77 20.8 19.3 28.9
51 60.3 24.9 37.3#

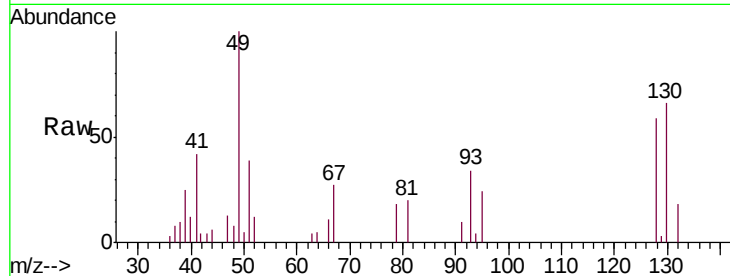




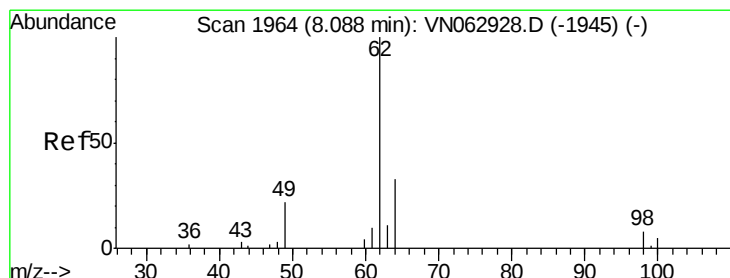
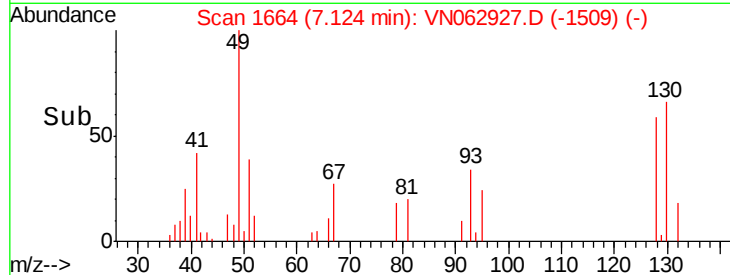
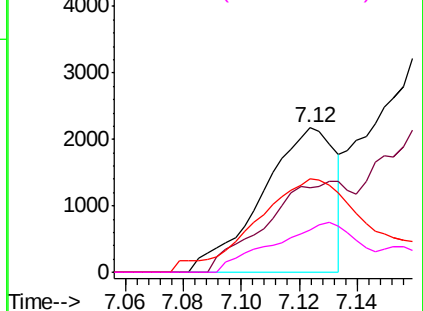
#35
Methacrylonitrile
Concen: 3.715 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Instrument :
MSVOA_L
ClientSampled :
BFB

Tgt Ion:	41	Resp:	3811
Ion	Ratio	Lower	Upper
41	100		
39	58.6	28.7	86.3
67	56.2	36.8	110.3
52	29.0	16.1	48.2

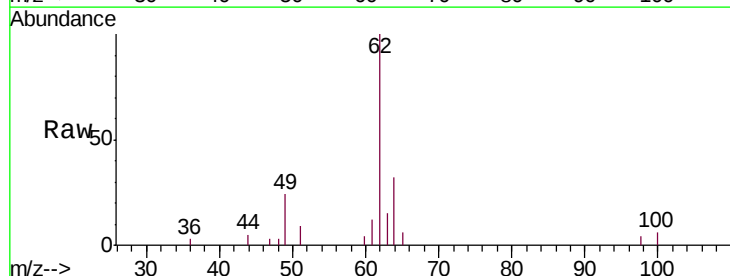


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

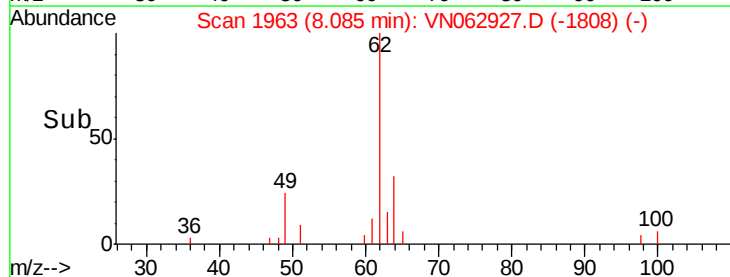
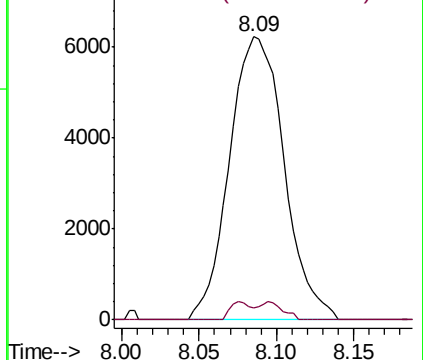


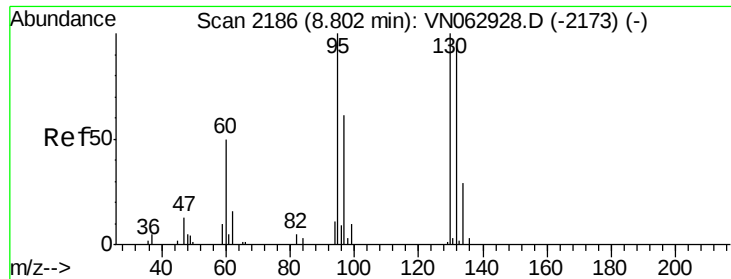
#36
1,2-Dichloroethane
Concen: 6.045 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion:	62	Resp:	15330
Ion	Ratio	Lower	Upper
62	100		
98	2.4	6.1	9.1#



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

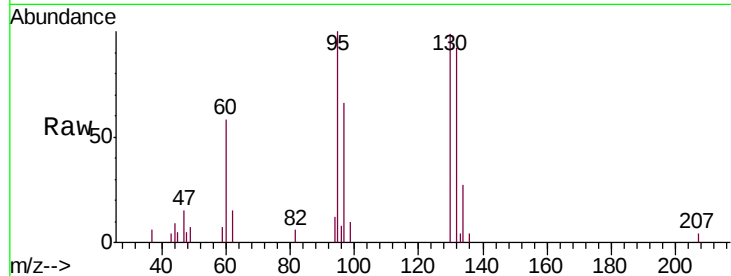




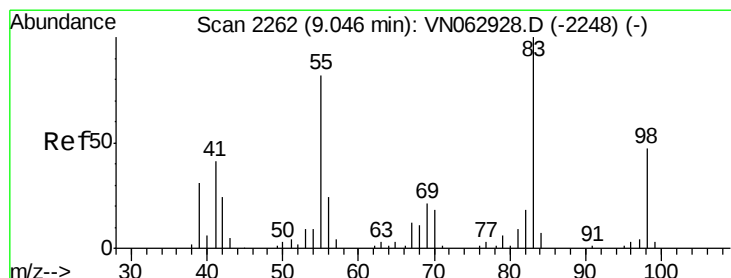
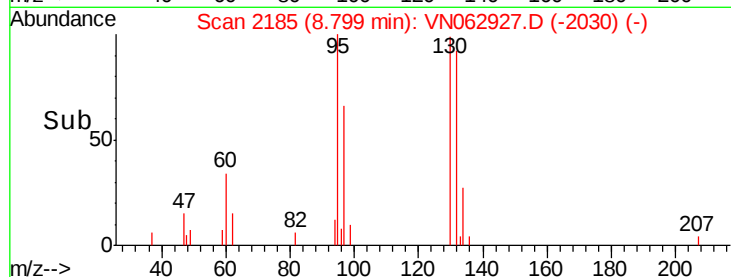
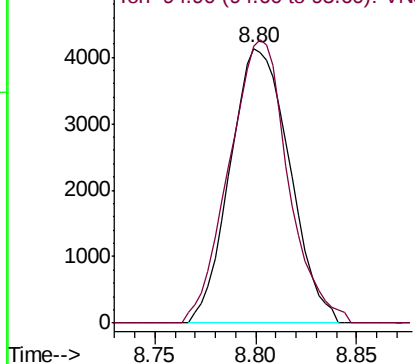
#37
 Trichloroethene
 Concen: 5.476 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion: 130 Resp: 8509
 Ion Ratio Lower Upper
 130 100
 95 96.7 80.1 120.1

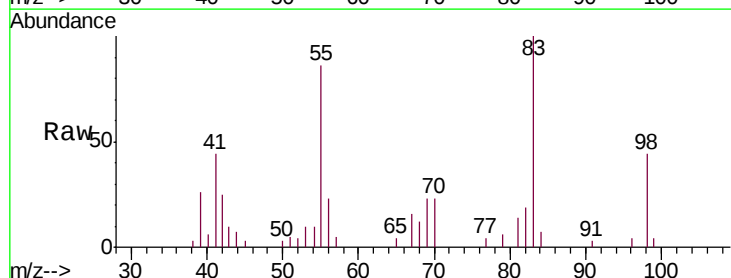


Abundance Ion 129.90 (129.60 to 130.60): VN062927.D (-2185) (-)
 Ion 94.90 (94.60 to 95.60): VN062927.D (-2185) (-)

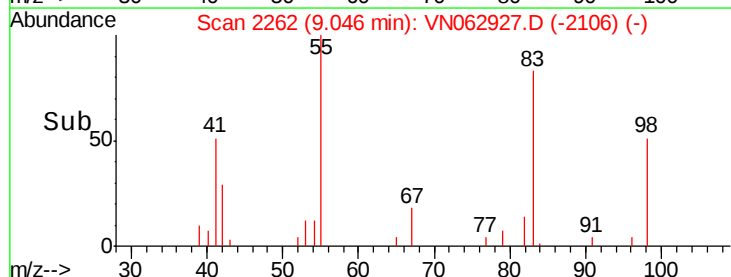
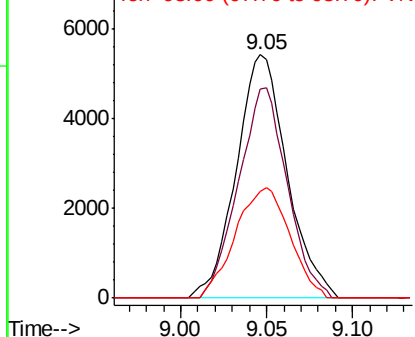


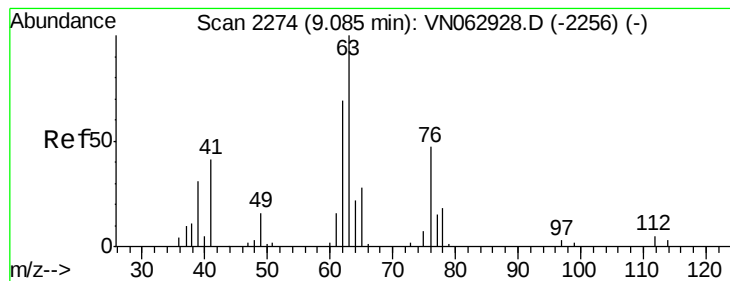
#38
 Methylcyclohexane
 Concen: 4.308 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 83 Resp: 11140
 Ion Ratio Lower Upper
 83 100
 55 82.8 40.8 122.5
 98 48.5 22.3 66.8



Abundance Ion 83.00 (82.70 to 83.70): VN062927.D (-2262) (-)
 Ion 55.00 (54.70 to 55.70): VN062927.D (-2262) (-)
 Ion 98.00 (97.70 to 98.70): VN062927.D (-2262) (-)





#39

1,2-Dichloropropane

Concen: 4.429 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

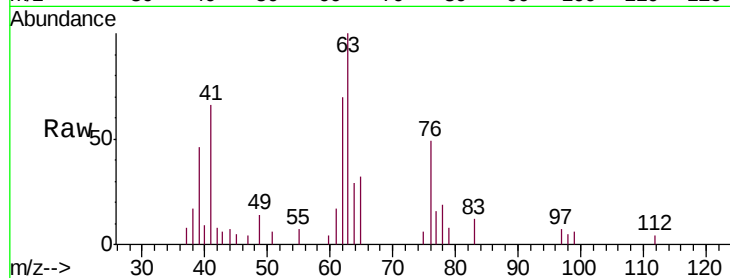
BFB

Tgt Ion: 63 Resp: 8482

Ion Ratio Lower Upper

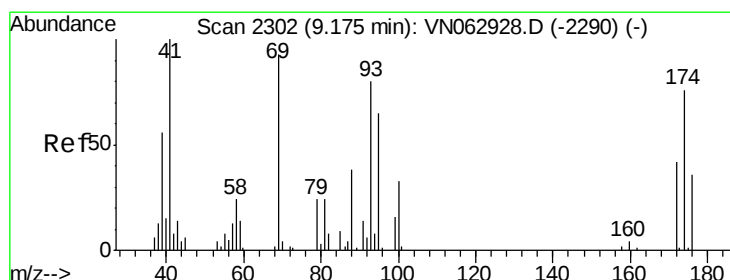
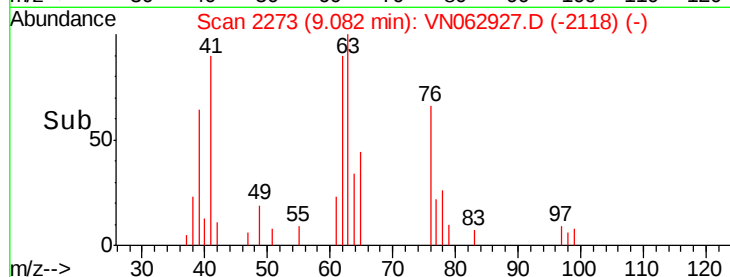
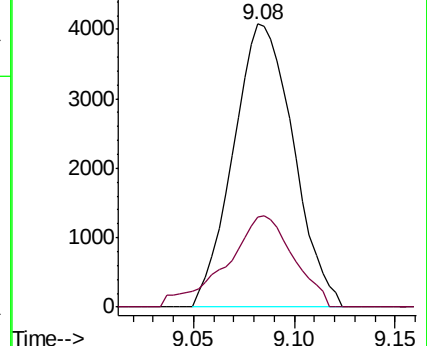
63 100

65 31.9 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN062927.D (-2118) (-)

Ion 65.00 (64.70 to 65.70): VN062927.D (-2118) (-)



#40

Dibromomethane

Concen: 5.469 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

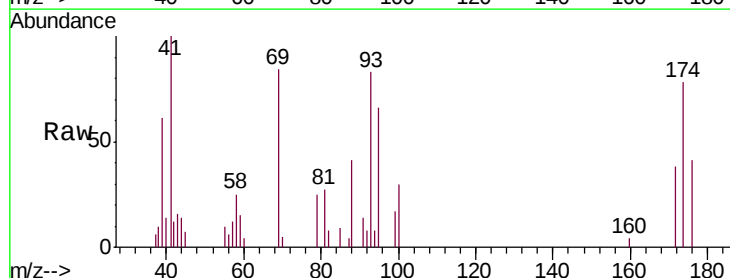
Tgt Ion: 93 Resp: 6235

Ion Ratio Lower Upper

93 100

95 80.9 0.0 161.8

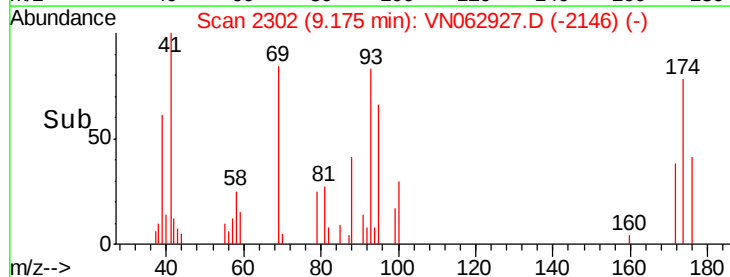
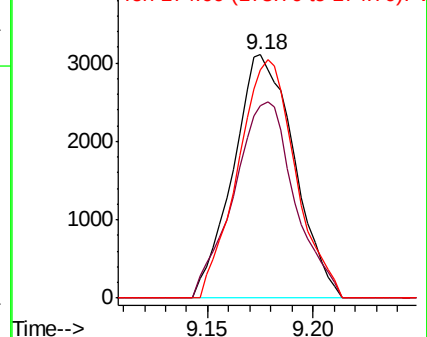
174 92.8 0.0 190.0

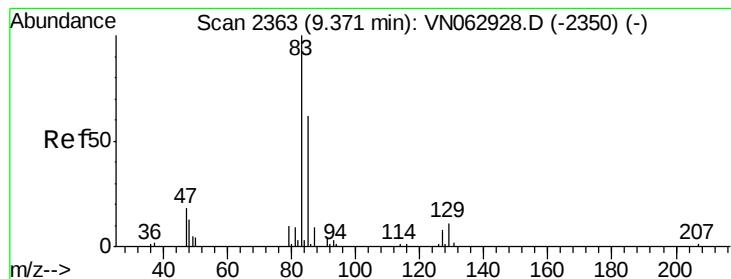


Abundance Ion 93.00 (92.70 to 93.70): VN062927.D (-2146) (-)

Ion 95.00 (94.70 to 95.70): VN062927.D (-2146) (-)

Ion 174.00 (173.70 to 174.70): VN062927.D (-2146) (-)





#41

Bromodichloromethane

Concen: 5.428 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

BFB

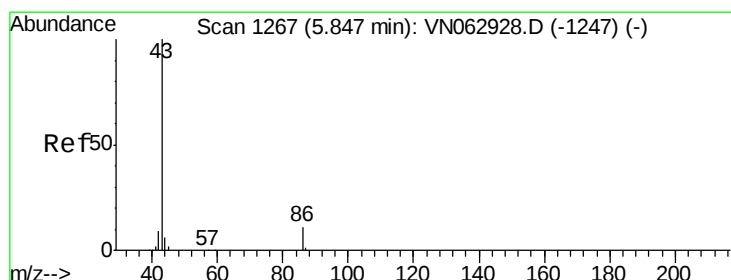
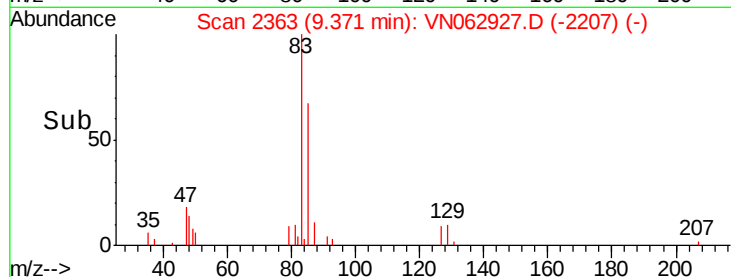
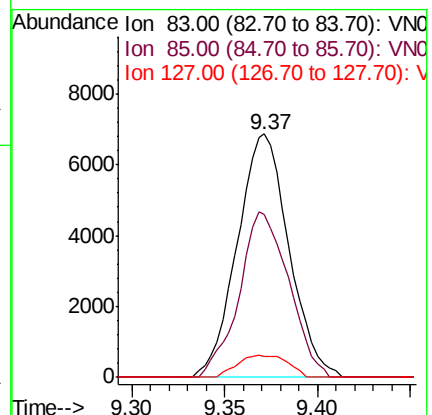
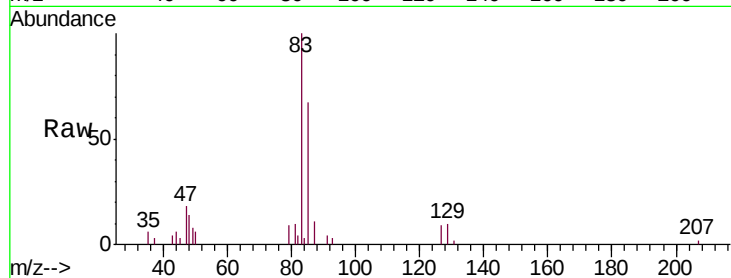
Tgt Ion: 83 Resp: 13293

Ion Ratio Lower Upper

83 100

85 66.8 49.9 74.9

127 8.7 7.1 10.7



#42

Vinyl Acetate

Concen: 19.948 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN062927.D

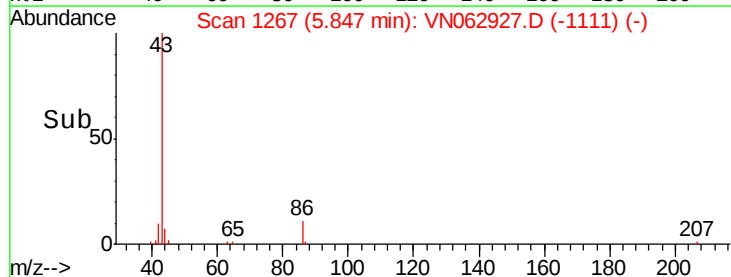
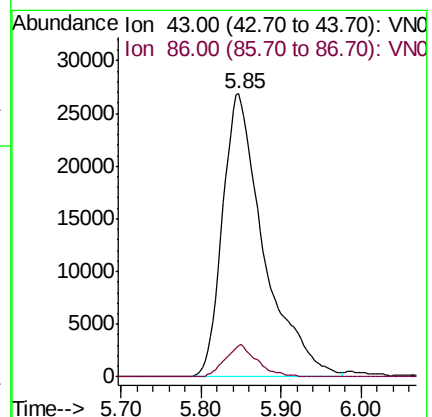
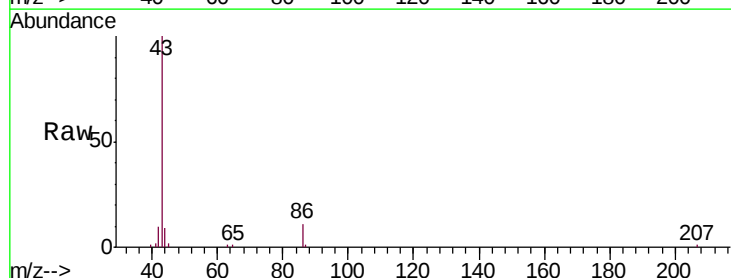
Acq: 13 Aug 2020 22:32

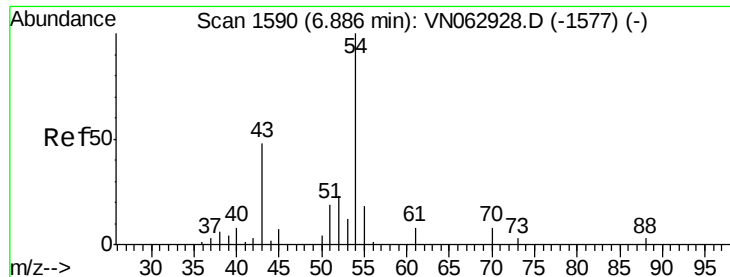
Tgt Ion: 43 Resp: 95329

Ion Ratio Lower Upper

43 100

86 8.6 7.1 10.7





#43

Ethyl Acetate

Concen: 4.956 ug/l

RT: 6.89 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

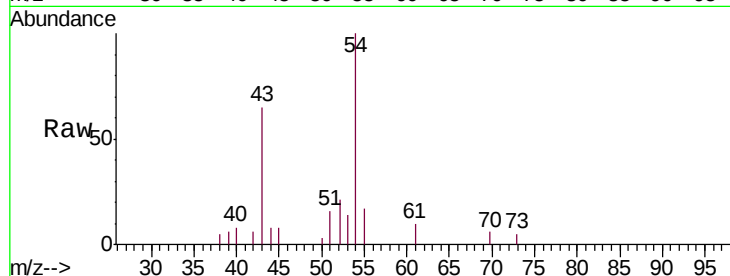
BFB

Tgt Ion: 43 Resp: 11858

Ion Ratio Lower Upper

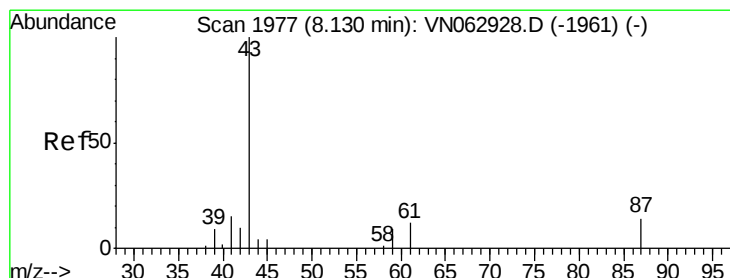
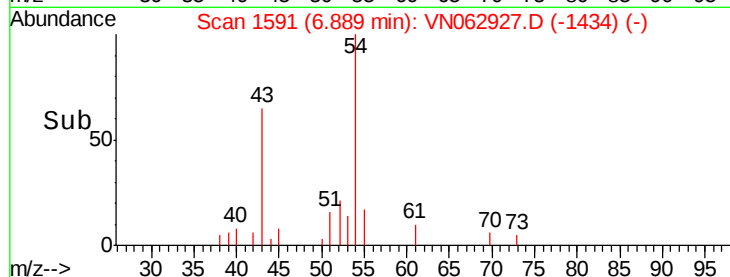
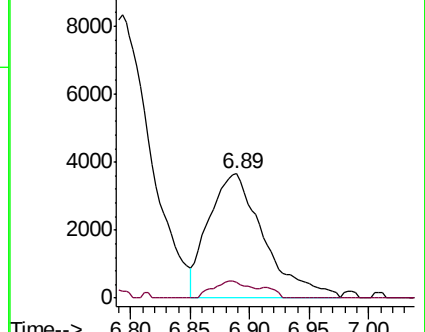
43 100

45 8.6 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 4.301 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062927.D

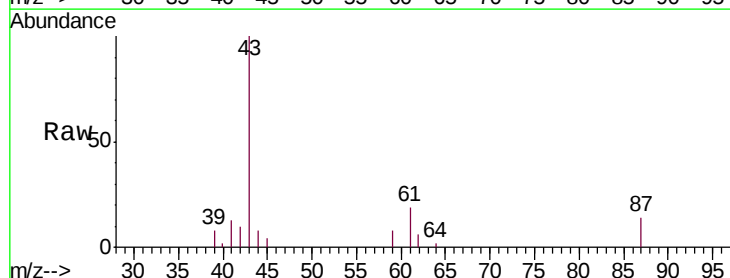
Acq: 13 Aug 2020 22:32

Tgt Ion: 43 Resp: 17172

Ion Ratio Lower Upper

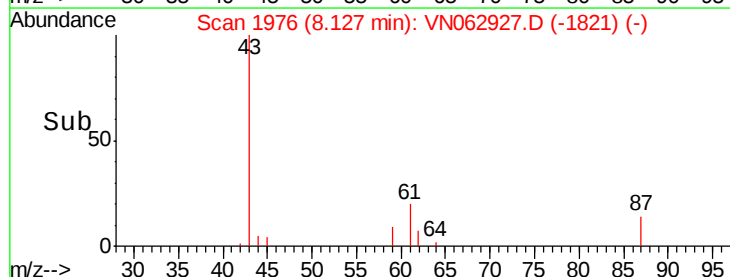
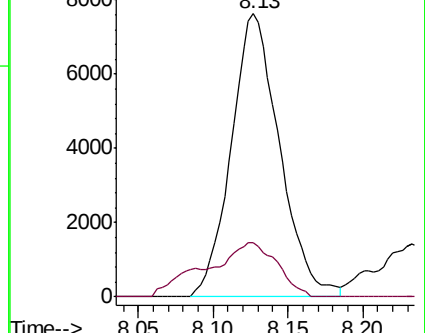
43 100

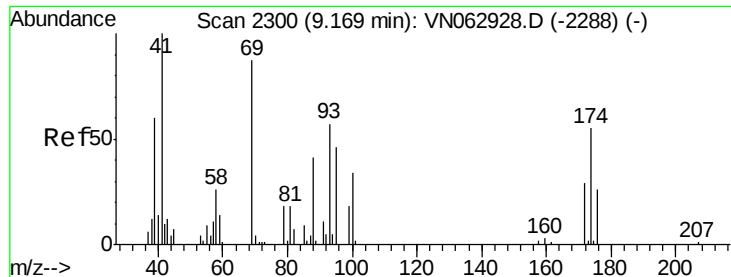
61 18.7 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 115.407 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.01 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

BFB

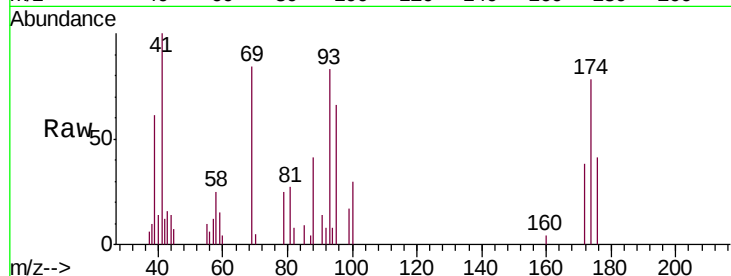
Tgt Ion: 88 Resp: 3366

Ion Ratio Lower Upper

88 100

43 22.0 26.0 39.0#

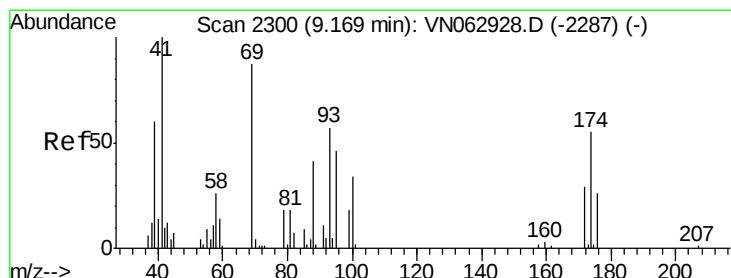
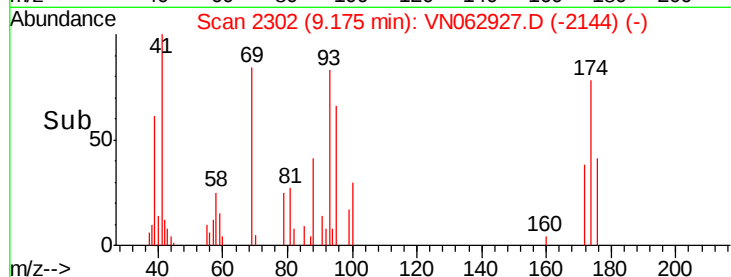
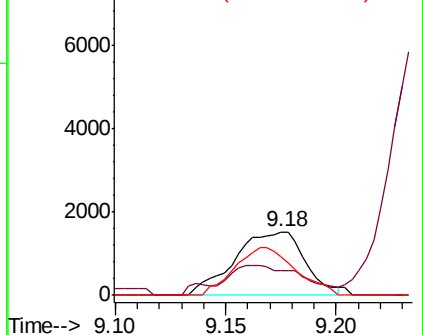
58 65.1 54.2 81.2



Abundance Ion 88.00 (87.70 to 88.70): VN062927.D (-2144) (-)

Ion 43.00 (42.70 to 43.70): VN062927.D (-2144) (-)

Ion 58.00 (57.70 to 58.70): VN062927.D (-2144) (-)



#46

Methyl methacrylate

Concen: 4.423 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

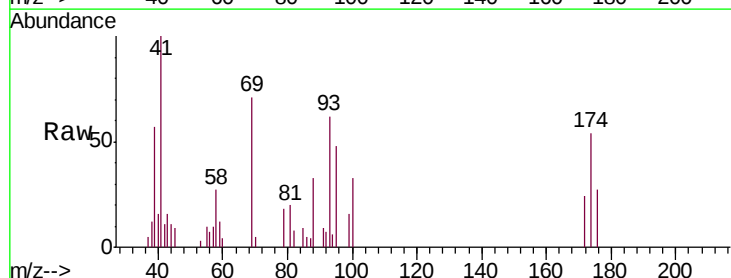
Tgt Ion: 41 Resp: 8444

Ion Ratio Lower Upper

41 100

69 71.5 43.6 130.9

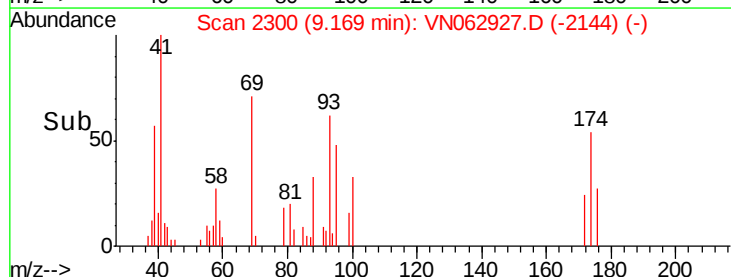
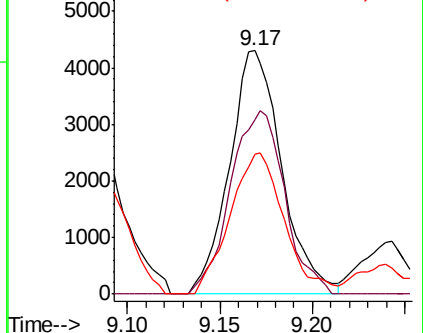
39 57.3 29.9 89.8

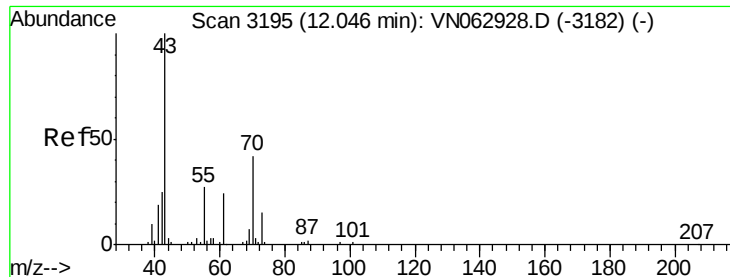


Abundance Ion 41.00 (40.70 to 41.70): VN062927.D (-2144) (-)

Ion 69.00 (68.70 to 69.70): VN062927.D (-2144) (-)

Ion 39.00 (38.70 to 39.70): VN062927.D (-2144) (-)

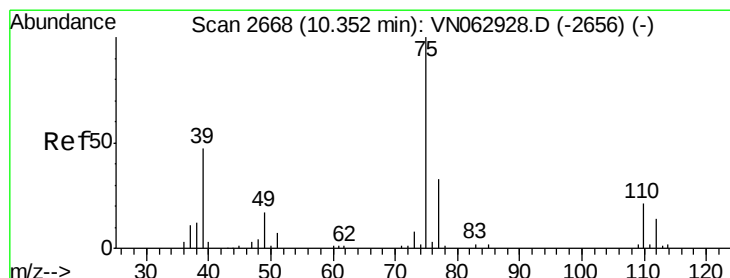
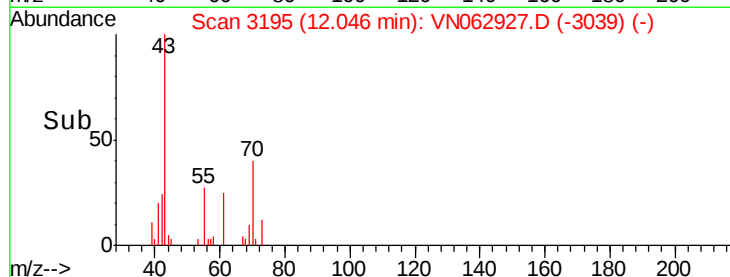
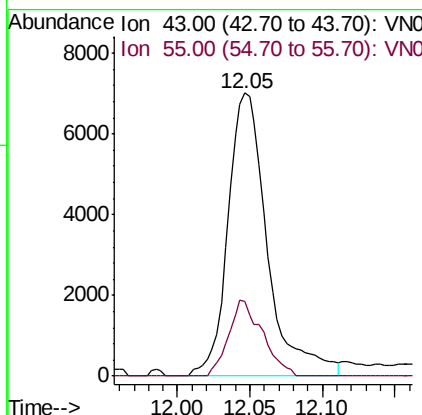
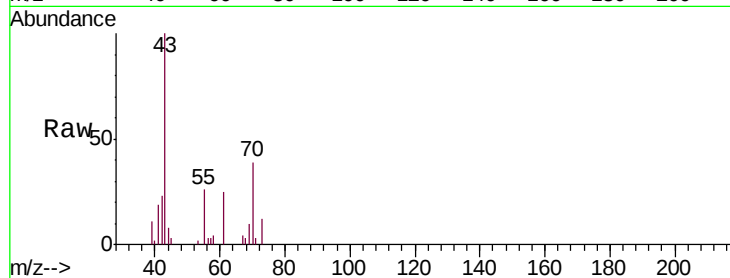




#47
n-amyl Acetate
Concen: 3.880 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

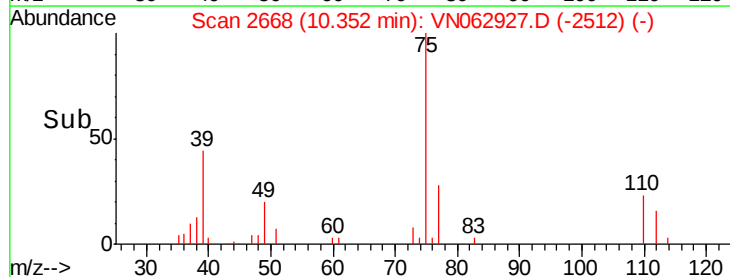
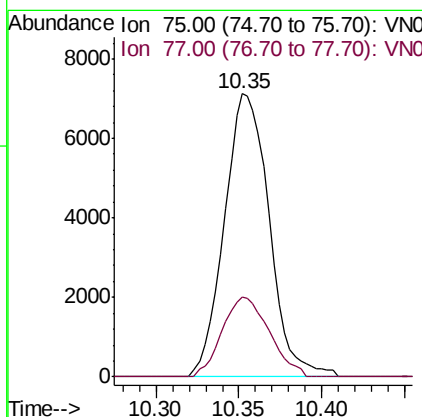
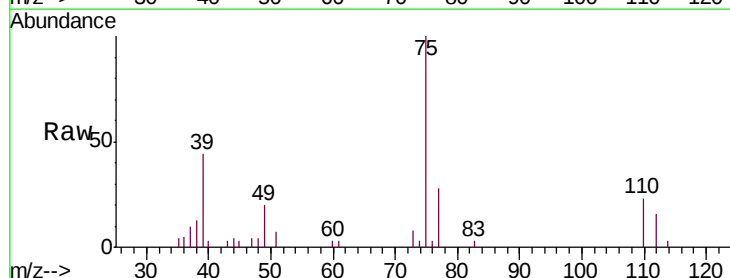
Instrument :
MSVOA_L
ClientSampled :
BFB

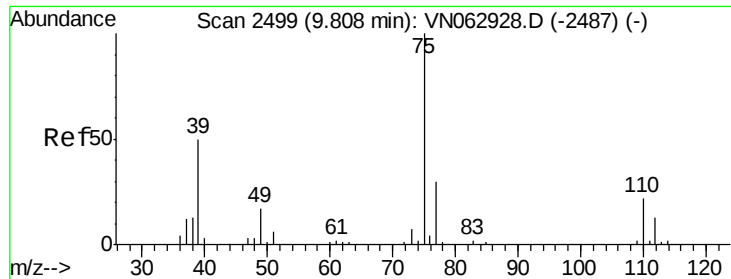
Tgt Ion: 43 Resp: 13245
Ion Ratio Lower Upper
43 100
55 22.9 20.8 31.2



#48
t-1,3-Dichloropropene
Concen: 4.793 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion: 75 Resp: 13387
Ion Ratio Lower Upper
75 100
77 28.2 26.2 39.2

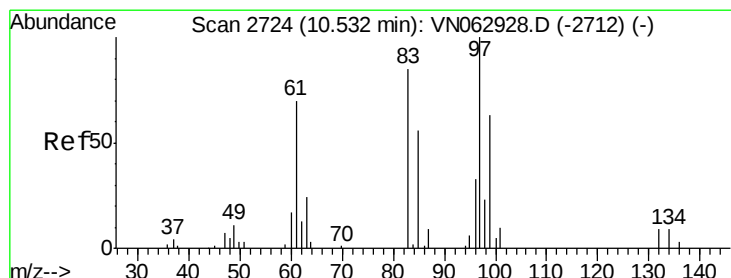
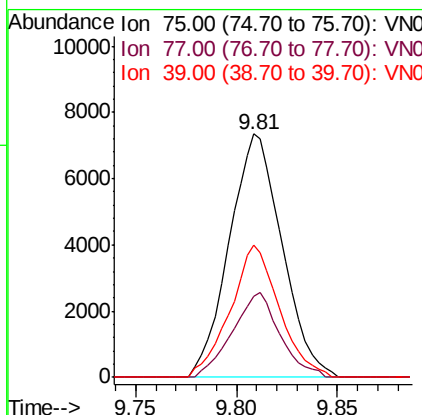
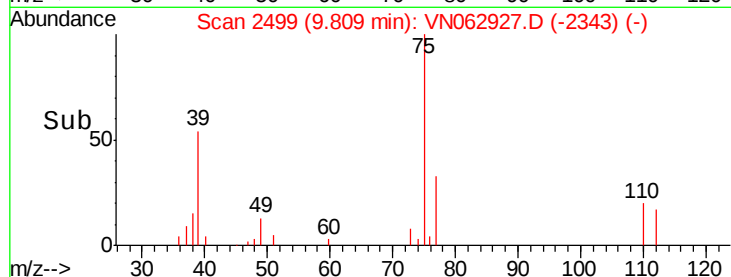
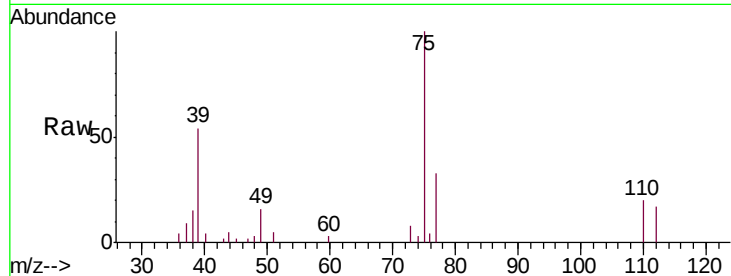




#49
 cis-1,3-Dichloropropene
 Concen: 4.529 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

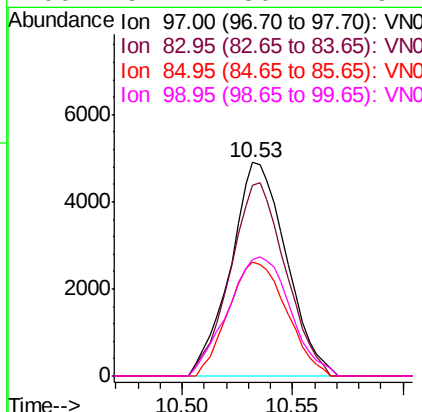
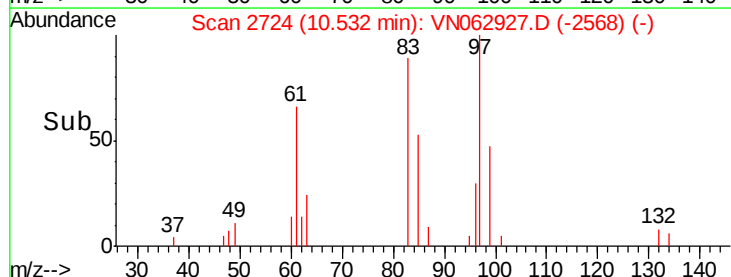
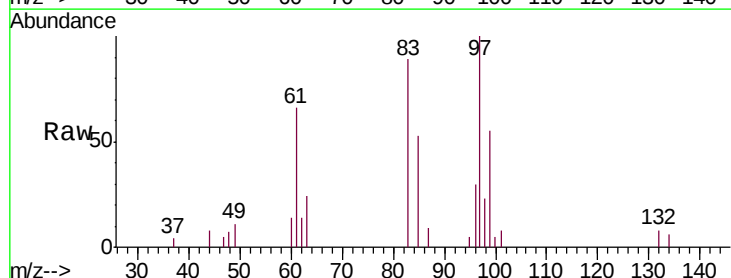
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

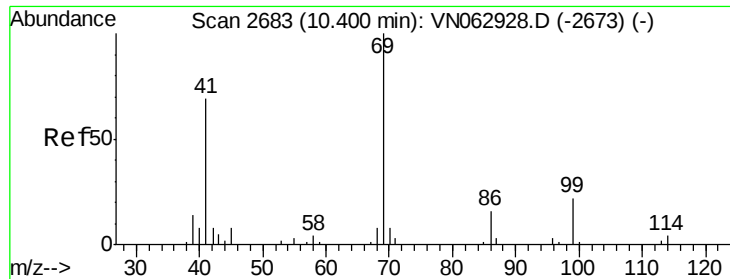
Tgt Ion: 75 Resp: 13424
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.4 36.6
 39 54.4 40.2 60.4



#50
 1,1,2-Trichloroethane
 Concen: 5.365 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 97 Resp: 8604
 Ion Ratio Lower Upper
 97 100
 83 89.5 67.8 101.6
 85 53.1 44.5 66.7
 99 54.7 50.1 75.1





#51

Ethyl methacrylate

Concen: 4.080 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampled :

BFB

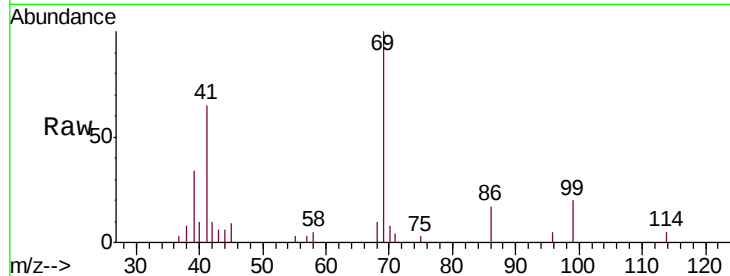
Tgt Ion: 69 Resp: 10729

Ion Ratio Lower Upper

69 100

41 65.1 34.8 104.3

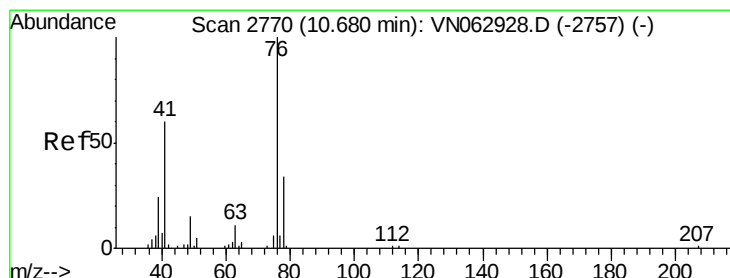
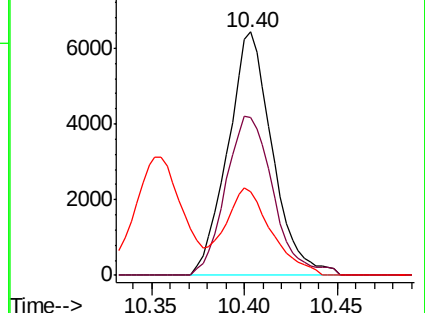
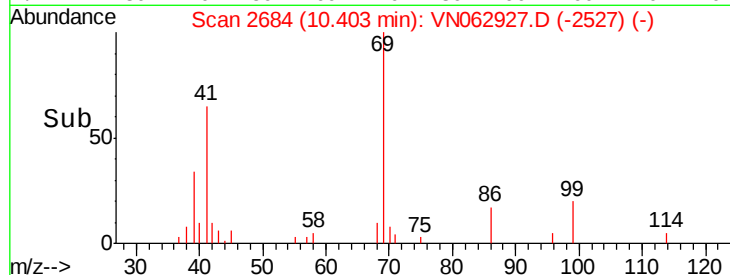
39 34.4 18.6 55.8



Abundance Ion 69.00 (68.70 to 69.70): VN062927.D (-2673) (-)

Ion 41.00 (40.70 to 41.70): VN062927.D (-2673) (-)

Ion 39.00 (38.70 to 39.70): VN062927.D (-2673) (-)



#52

1,3-Dichloropropane

Concen: 5.097 ug/l

RT: 10.68 min Scan# 2771

Delta R.T. 0.00 min

Lab File: VN062927.D

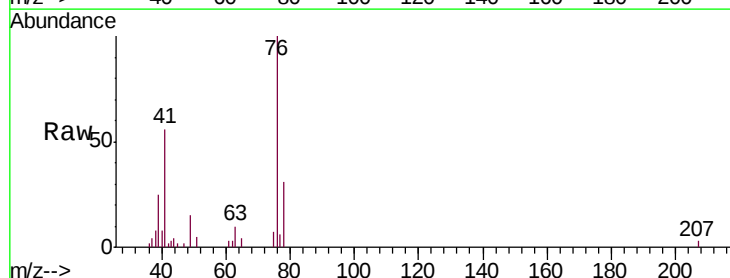
Acq: 13 Aug 2020 22:32

Tgt Ion: 76 Resp: 14827

Ion Ratio Lower Upper

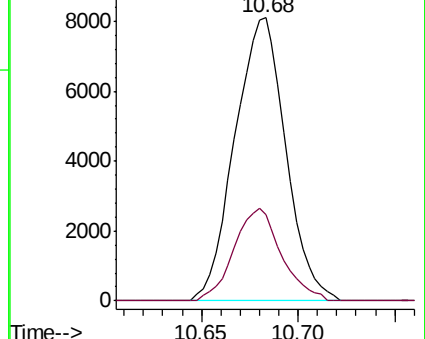
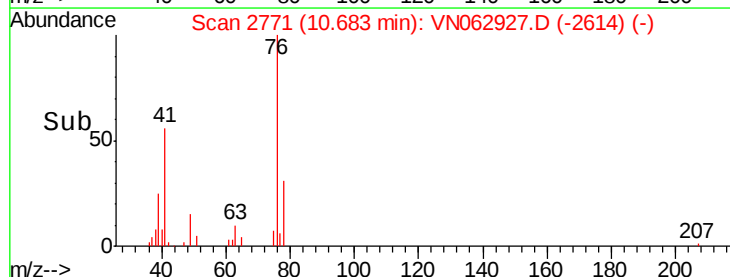
76 100

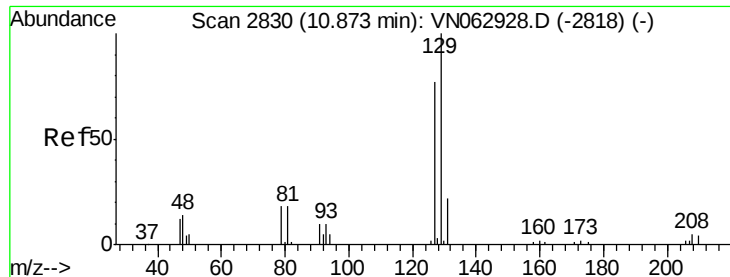
78 30.5 0.0 66.2



Abundance Ion 76.00 (75.70 to 76.70): VN062927.D (-2614) (-)

Ion 78.00 (77.70 to 78.70): VN062927.D (-2614) (-)





#53

Dibromochloromethane

Concen: 5.509 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

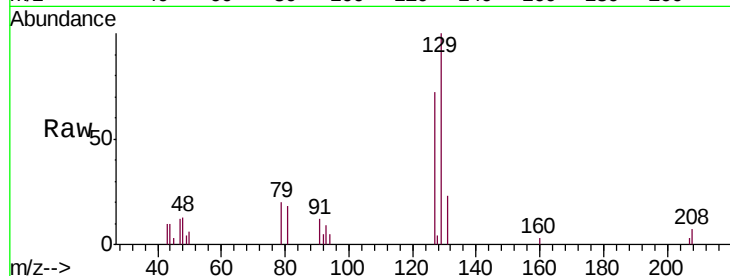
BFB

Tgt Ion:129 Resp: 9820

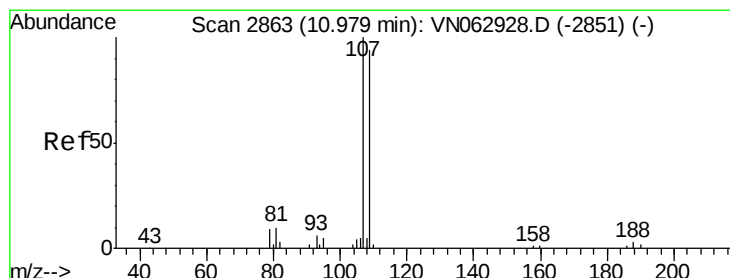
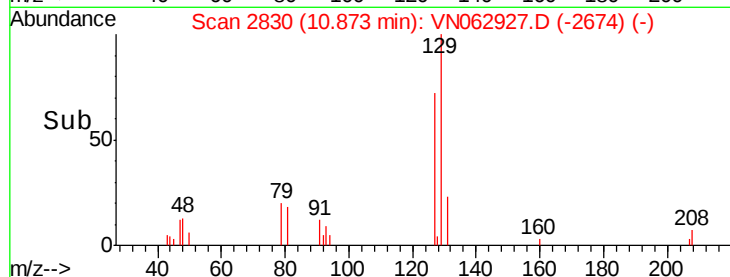
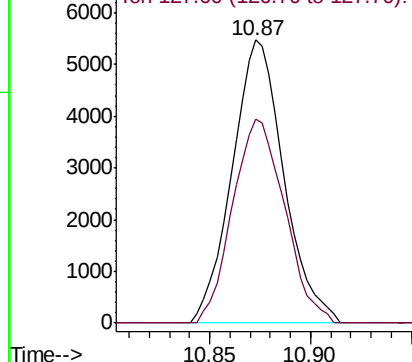
Ion Ratio Lower Upper

129 100

127 72.4 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.400 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062927.D

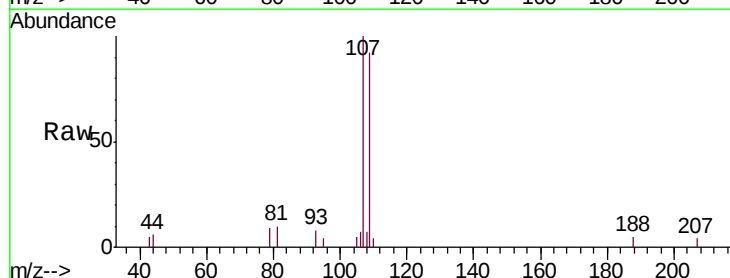
Acq: 13 Aug 2020 22:32

Tgt Ion:107 Resp: 8868

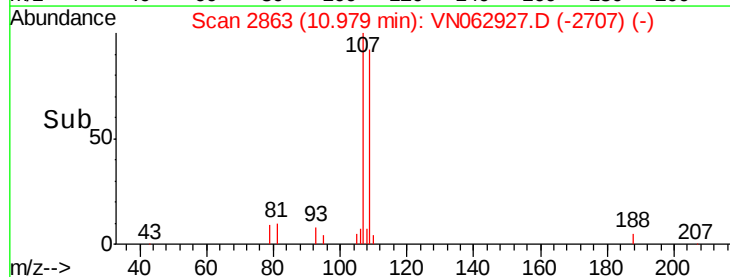
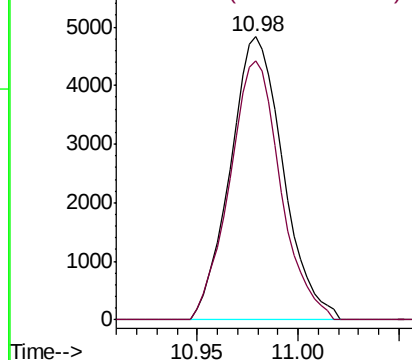
Ion Ratio Lower Upper

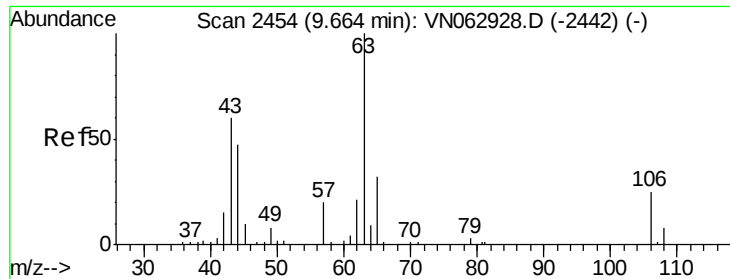
107 100

109 88.1 76.9 115.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

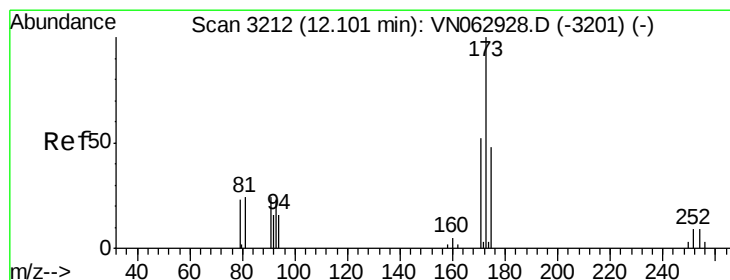
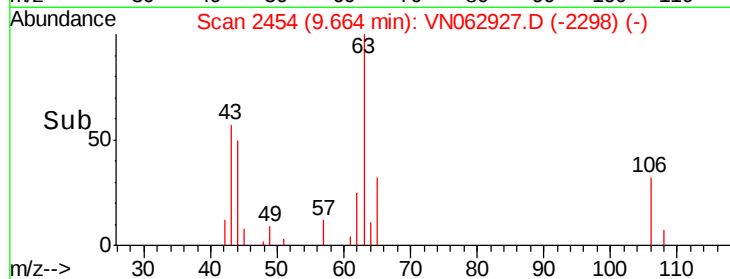
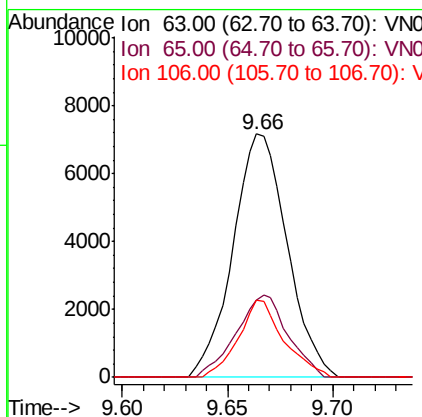
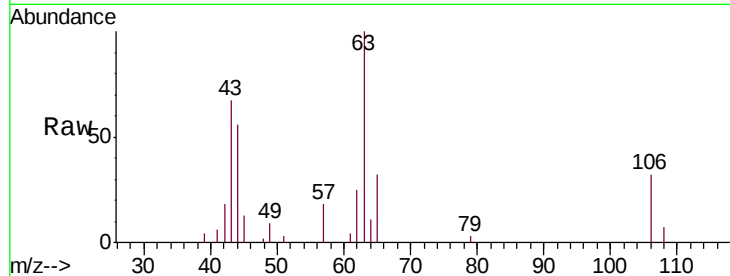




#55
 2-Chloroethyl vinyl ether
 Concen: 16.051 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

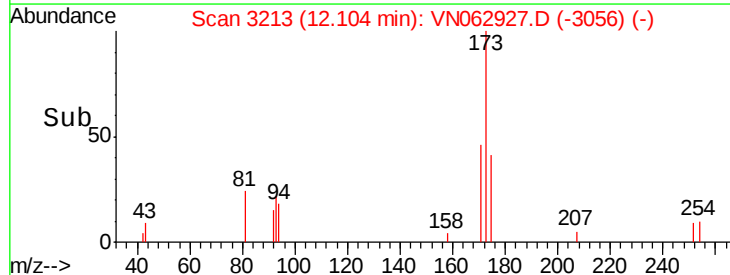
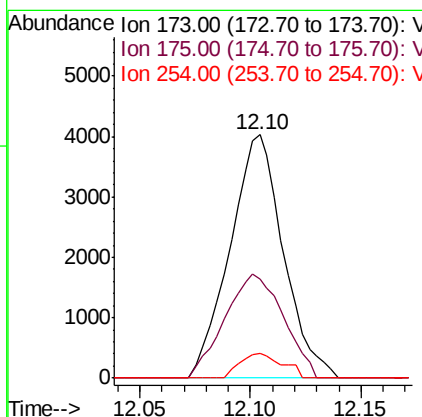
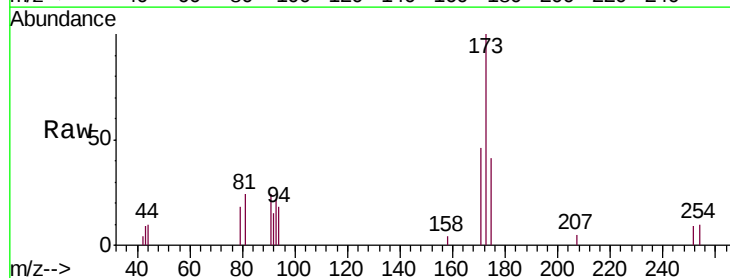
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

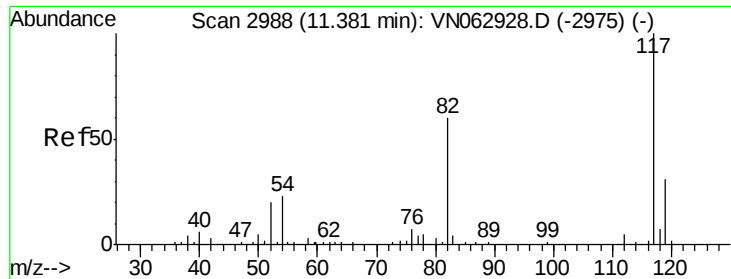
Tgt Ion: 63 Resp: 12775
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.8 38.8
 106 26.6 20.4 30.6



#56
 Bromoform
 Concen: 5.501 ug/l
 RT: 12.10 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 173 Resp: 6748
 Ion Ratio Lower Upper
 173 100
 175 46.8 37.8 56.6
 254 6.8 6.9 10.3#

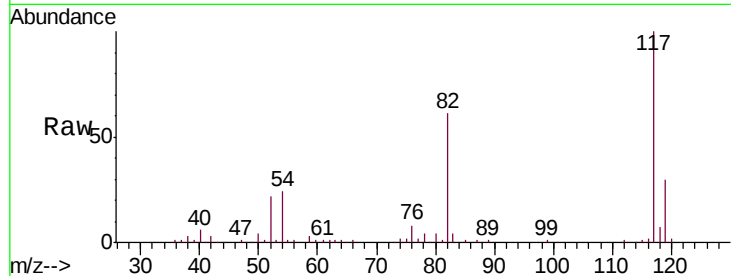




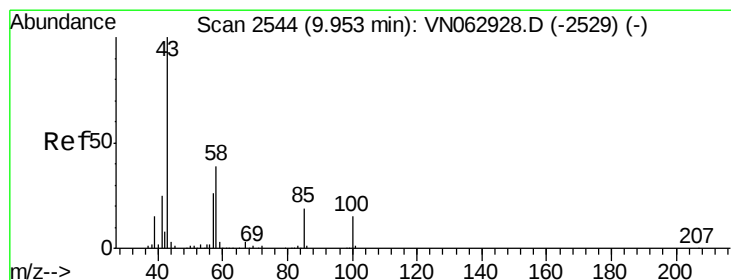
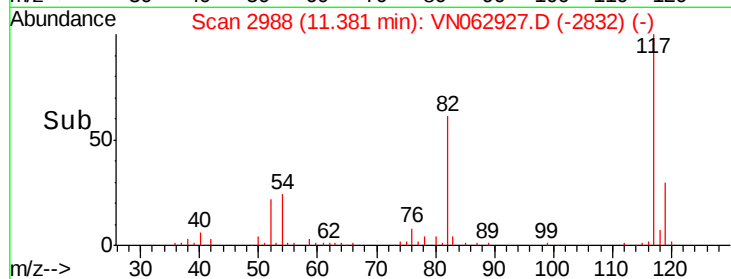
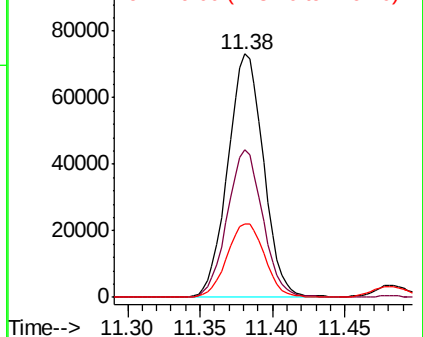
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Instrument :
MSVOA_L
ClientSampled :
BFB

Tgt Ion: 117 Resp: 125149
Ion Ratio Lower Upper
117 100
82 60.1 47.5 71.3
119 31.8 26.0 39.0

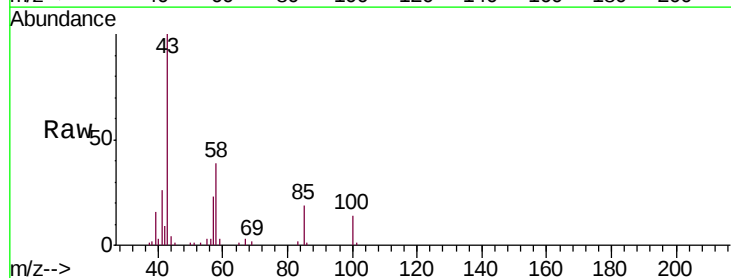


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

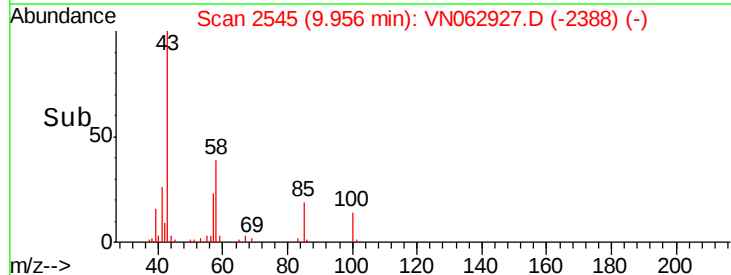
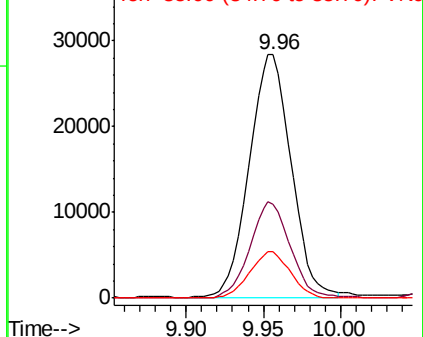


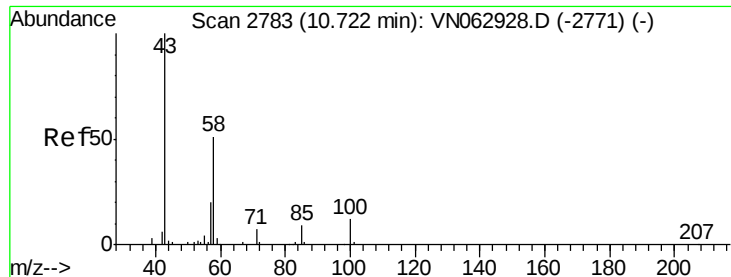
#58
4-Methyl-2-Pentanone
Concen: 23.009 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion: 43 Resp: 54082
Ion Ratio Lower Upper
43 100
58 37.3 31.3 46.9
85 18.3 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

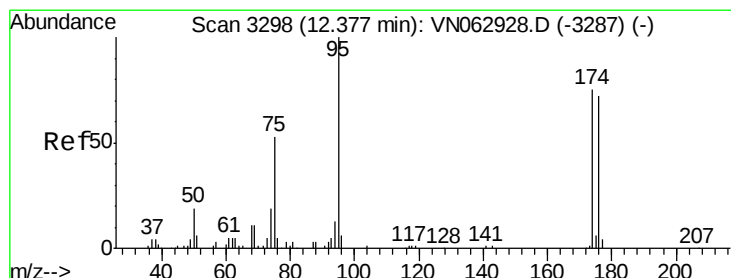
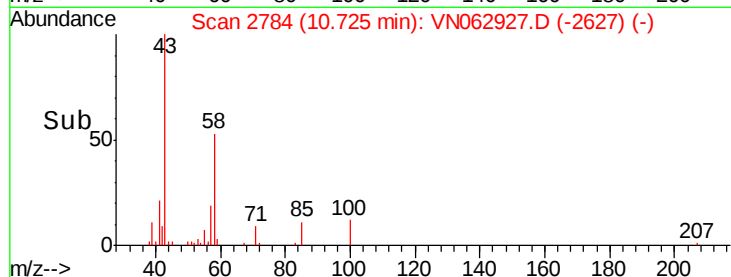
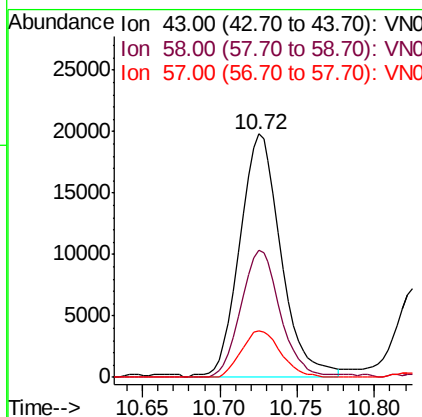
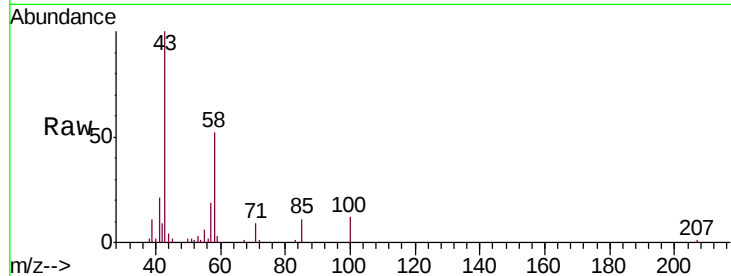




#59
2-Hexanone
Concen: 21.403 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

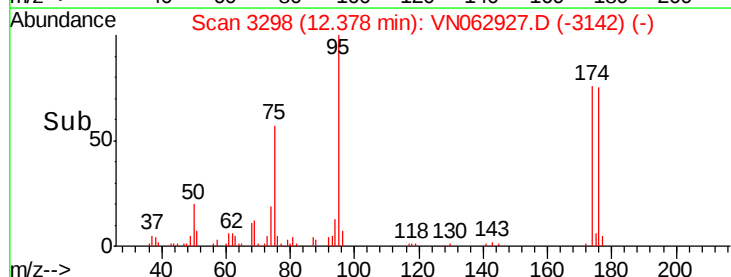
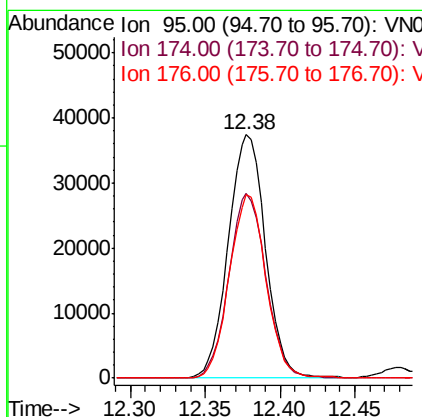
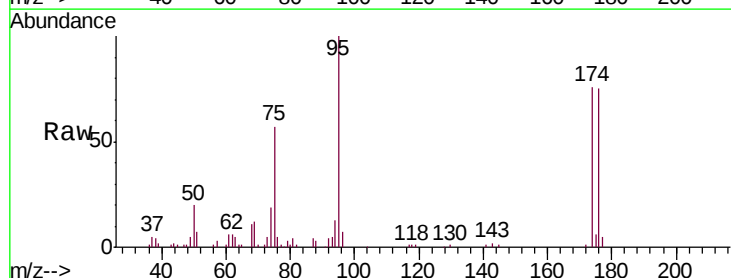
Instrument :
MSVOA_L
ClientSampled :
BFB

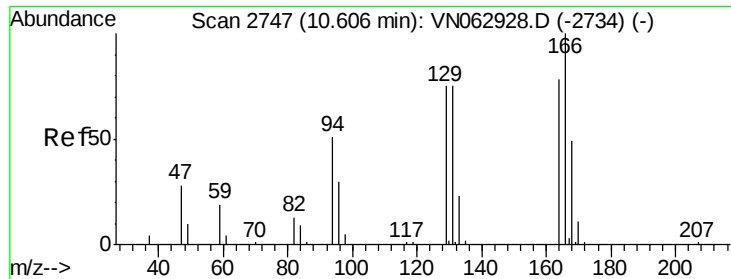
Tgt Ion: 43 Resp: 36826
Ion Ratio Lower Upper
43 100
58 49.5 41.8 62.6
57 18.2 16.2 24.2



#60
4-Bromofluorobenzene
Concen: 30.499 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion: 95 Resp: 64846
Ion Ratio Lower Upper
95 100
174 75.5 60.9 91.3
176 74.0 57.8 86.8





#61

Tetrachloroethene

Concen: 6.049 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion:164 Resp: 7680

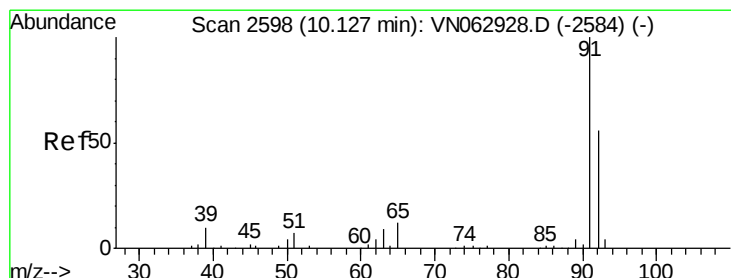
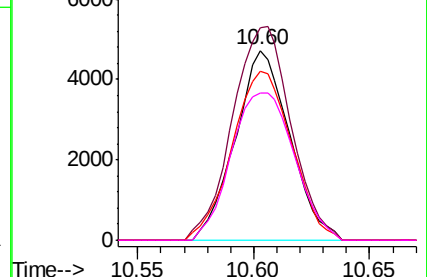
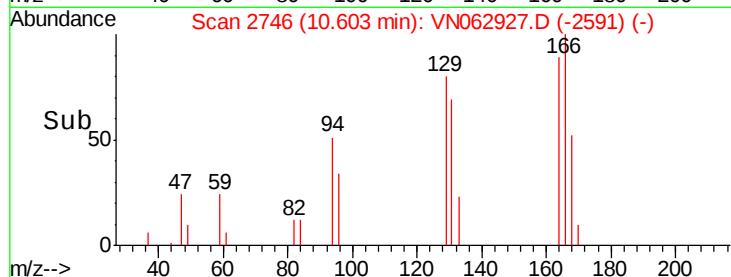
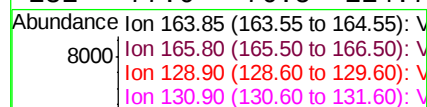
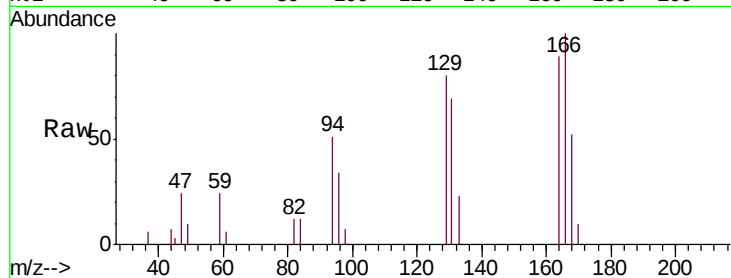
Ion Ratio Lower Upper

164 100

166 111.9 101.9 152.9

129 89.0 76.4 114.6

131 77.6 76.5 114.7



#62

Toluene

Concen: 5.301 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062927.D

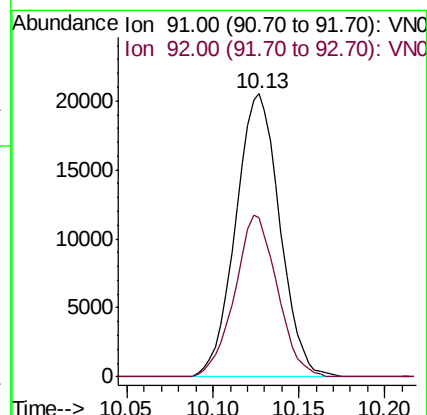
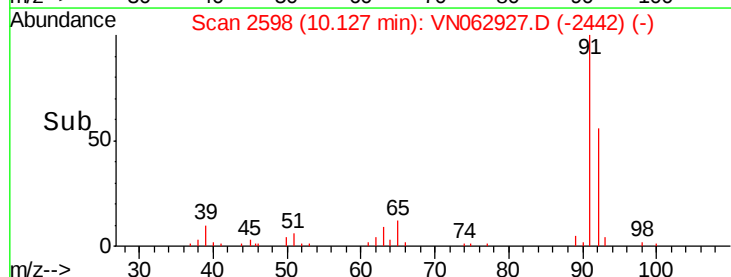
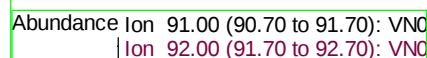
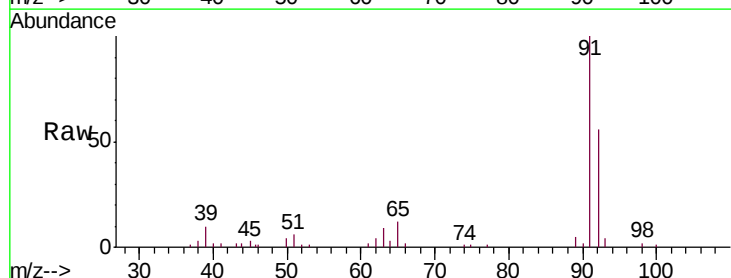
Acq: 13 Aug 2020 22:32

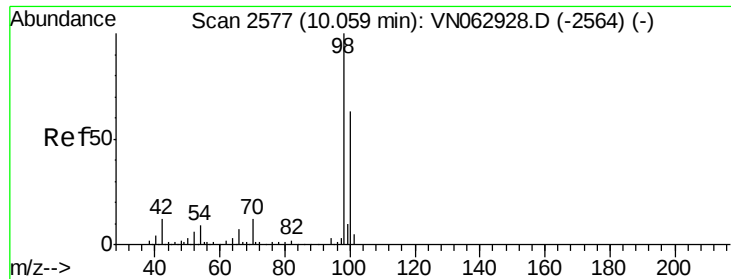
Tgt Ion: 91 Resp: 36703

Ion Ratio Lower Upper

91 100

92 55.1 45.2 67.8





#63

Toluene-d8

Concen: 30.325 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampled :

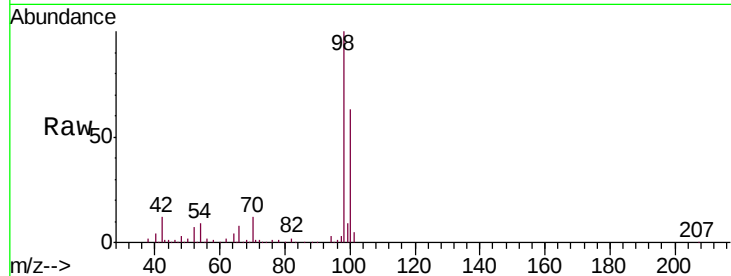
BFB

Tgt Ion: 98 Resp: 178199

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN062927.D (-2564) (-)

Ion 100.00 (99.70 to 100.70): VN062927.D (-2564) (-)

10.06

80000

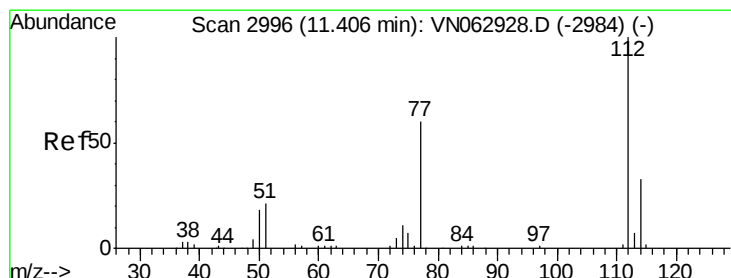
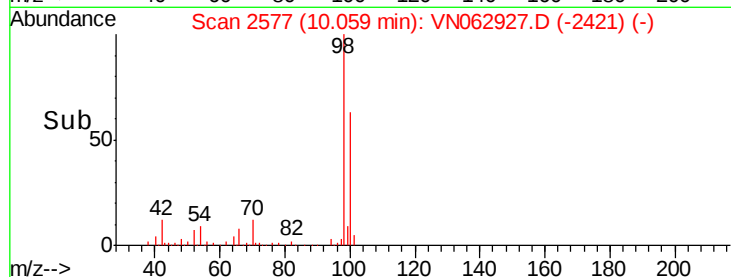
60000

40000

20000

0

Time-->



#64

Chlorobenzene

Concen: 5.463 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062927.D

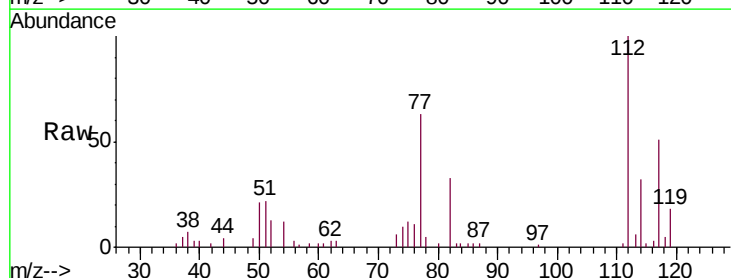
Acq: 13 Aug 2020 22:32

Tgt Ion: 112 Resp: 22617

Ion Ratio Lower Upper

112 100

114 32.3 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN062927.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN062927.D (-2984) (-)

11.41

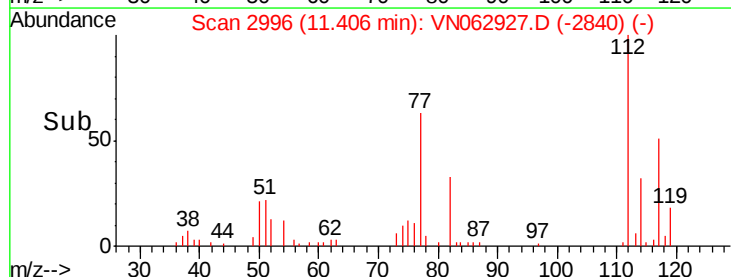
15000

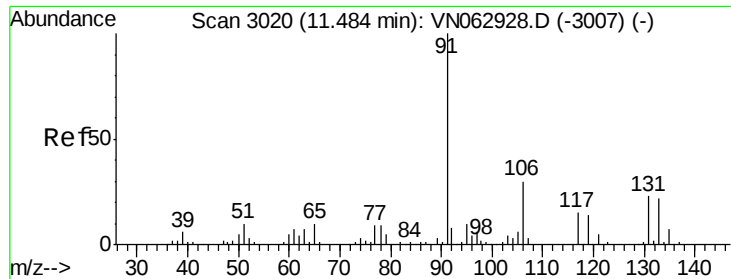
10000

5000

0

Time-->

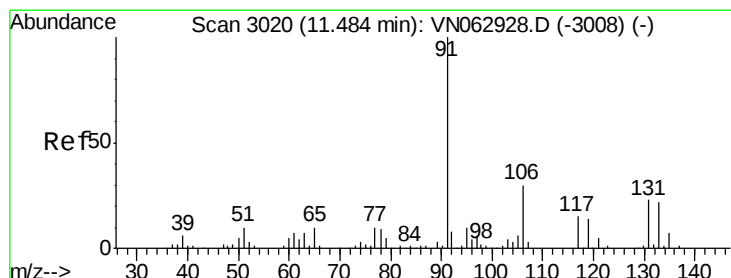
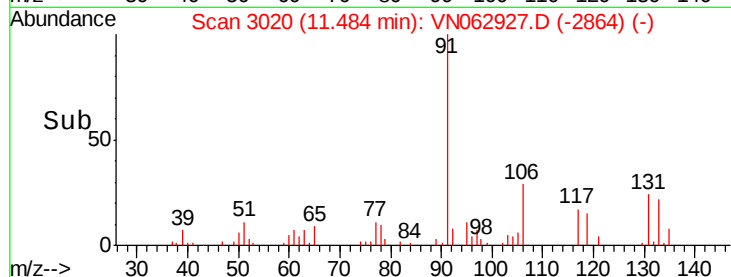
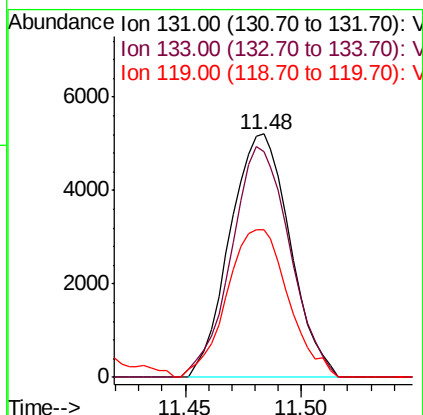
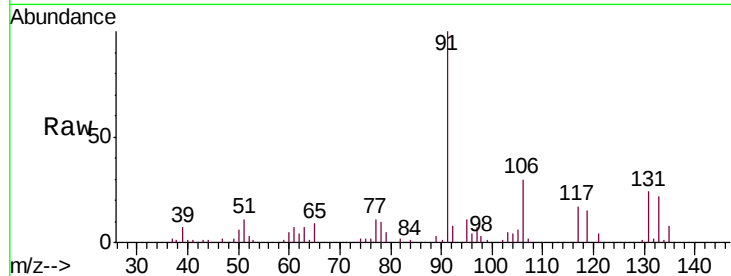




#65
 1,1,1,2-Tetrachloroethane
 Concen: 5.965 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

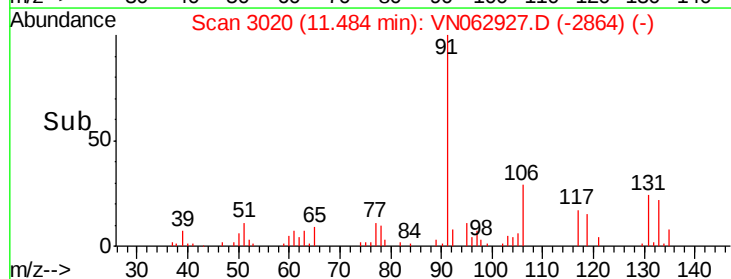
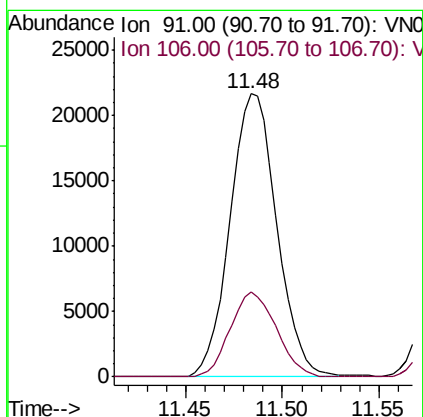
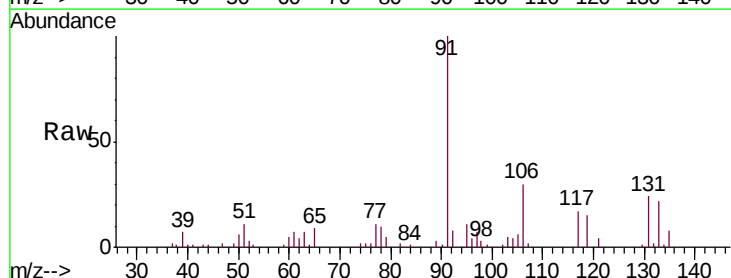
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

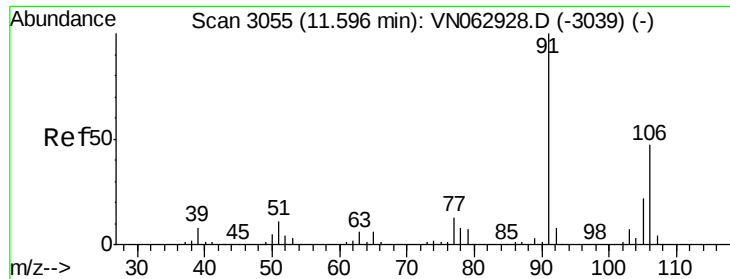
Tgt Ion: 131 Resp: 9369
 Ion Ratio Lower Upper
 131 100
 133 92.4 0.0 192.6
 119 62.2 0.0 125.4



#66
 Ethyl Benzene
 Concen: 4.744 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 91 Resp: 36362
 Ion Ratio Lower Upper
 91 100
 106 29.8 24.0 36.0

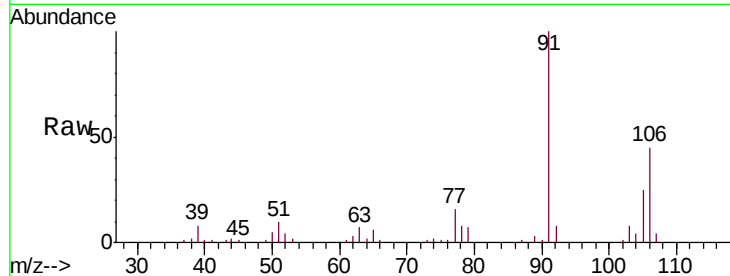




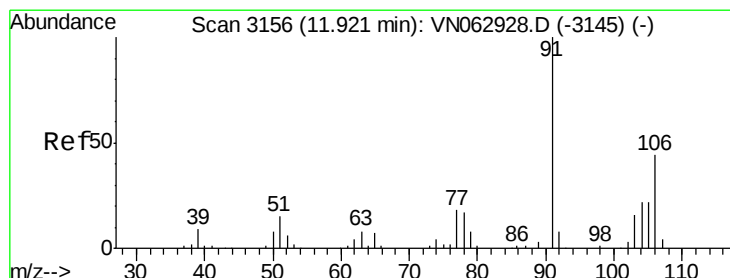
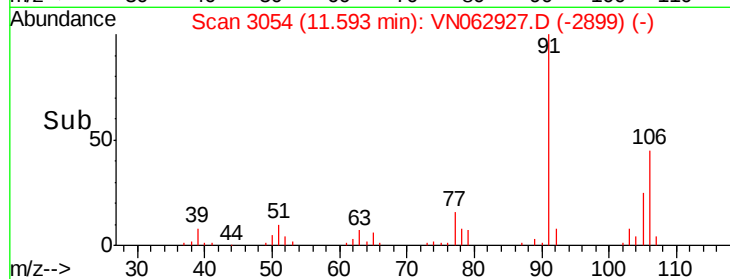
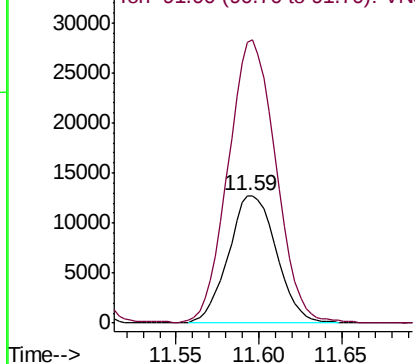
#67
m/p-Xylenes
Concen: 9.111 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:106 Resp: 25680
Ion Ratio Lower Upper
106 100
91 220.9 171.0 256.6

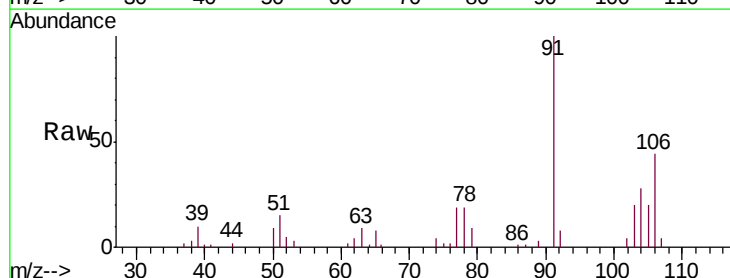


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

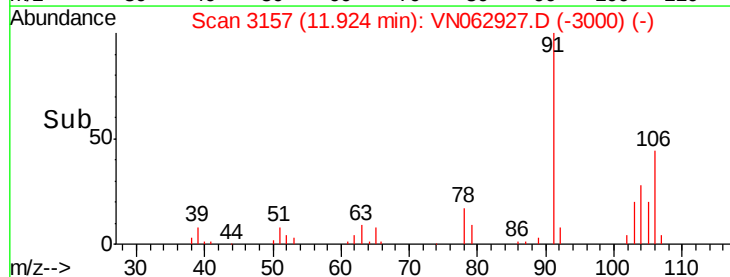
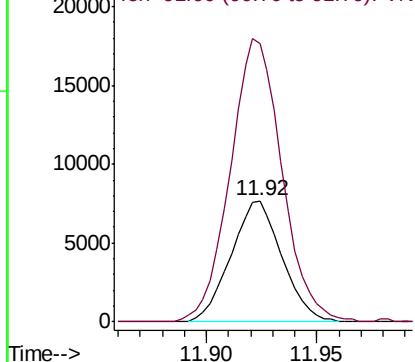


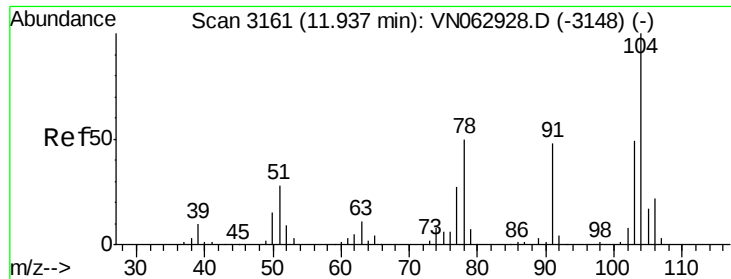
#68
o-Xylene
Concen: 4.599 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion:106 Resp: 12341
Ion Ratio Lower Upper
106 100
91 237.2 115.4 346.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

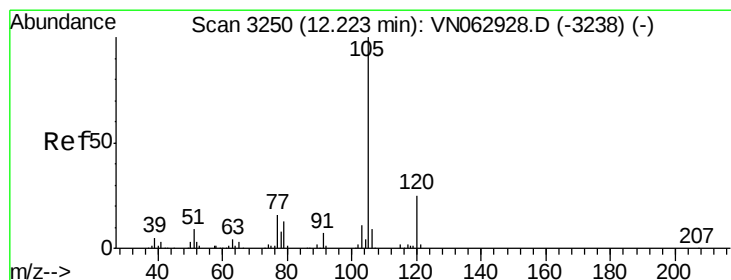
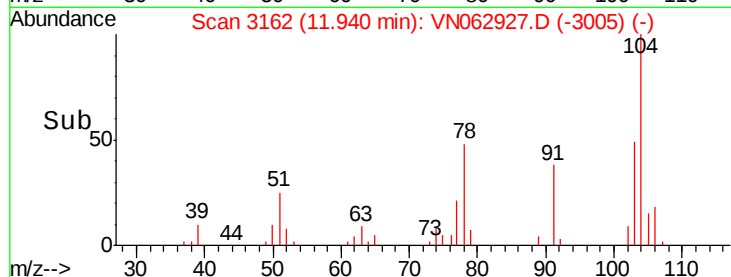
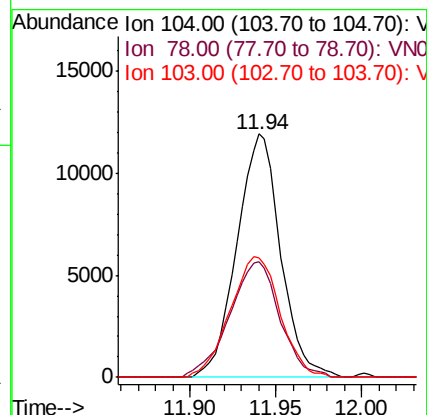
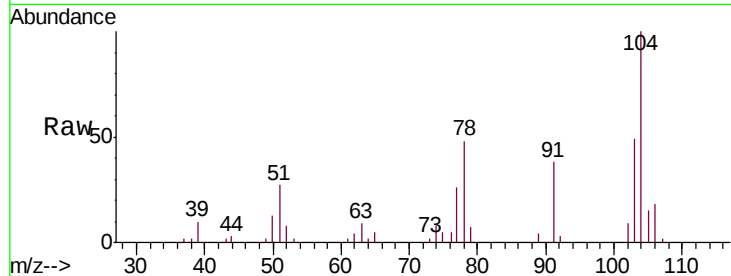




#69
Styrene
Concen: 4.571 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

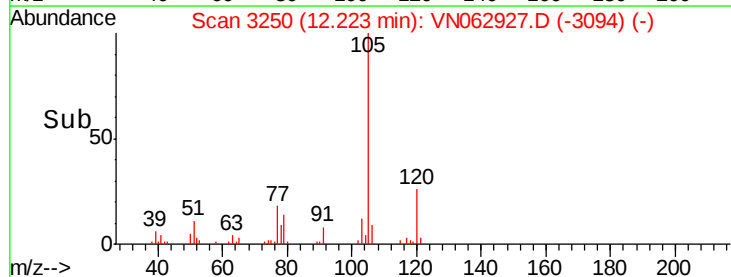
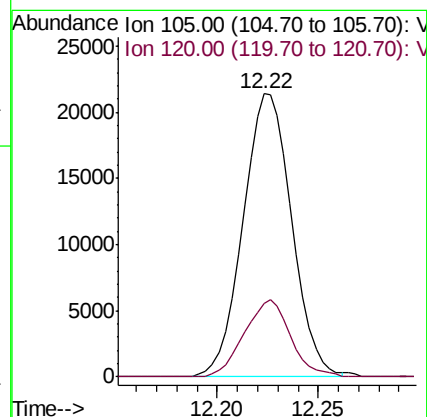
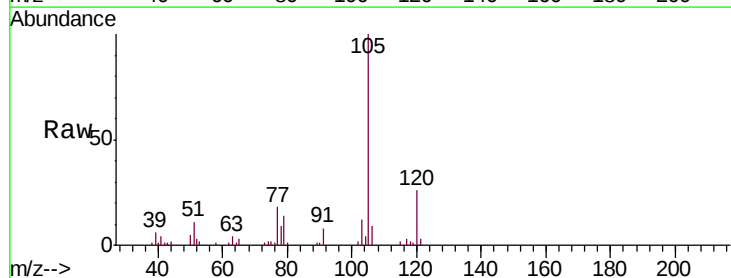
Instrument :
MSVOA_L
ClientSampleId :
BFB

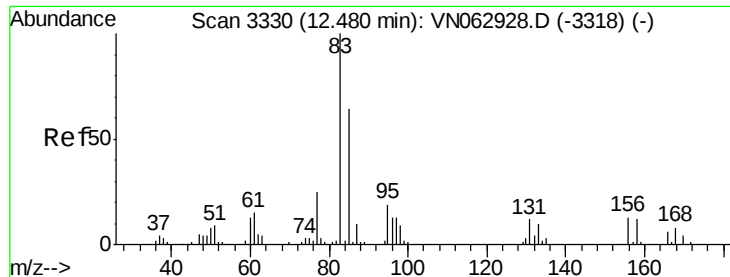
Tgt Ion:104 Resp: 21133
Ion Ratio Lower Upper
104 100
78 54.3 44.4 66.6
103 56.6 44.0 66.0



#70
Isopropylbenzene
Concen: 4.948 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion:105 Resp: 36108
Ion Ratio Lower Upper
105 100
120 25.9 18.0 33.4

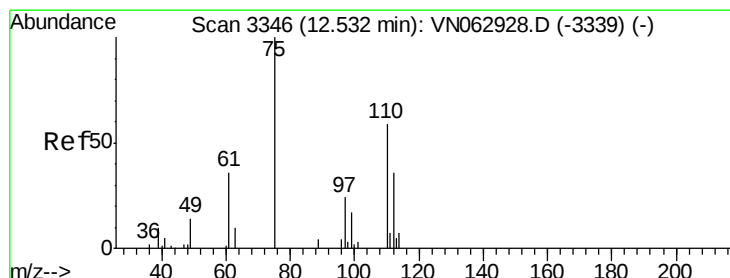
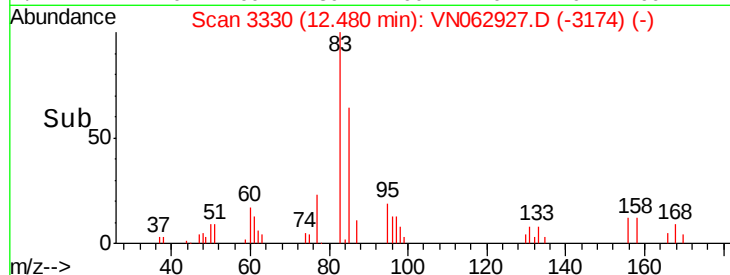
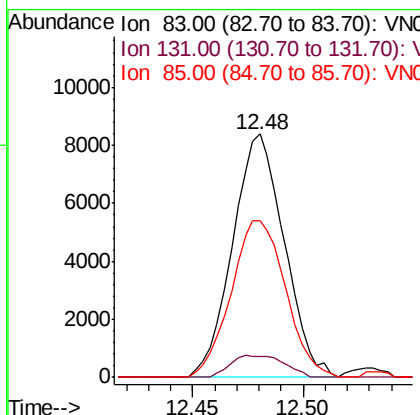
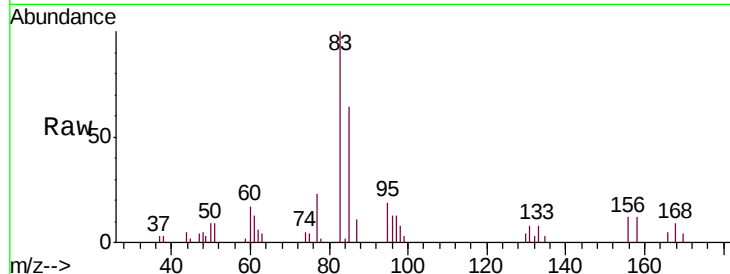




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.772 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

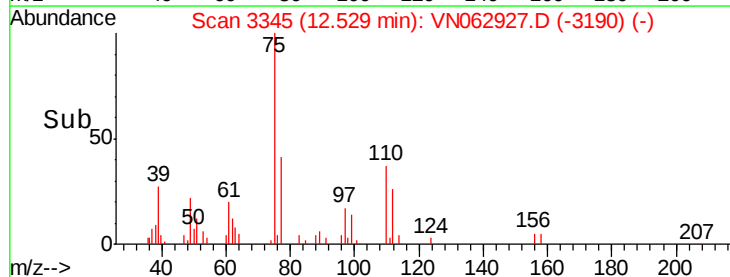
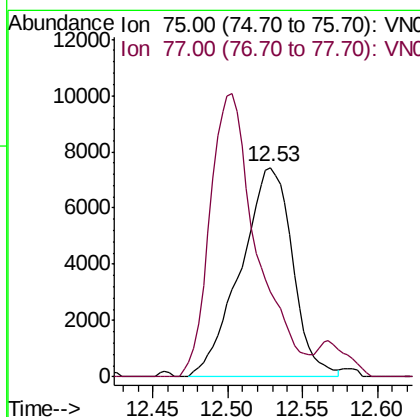
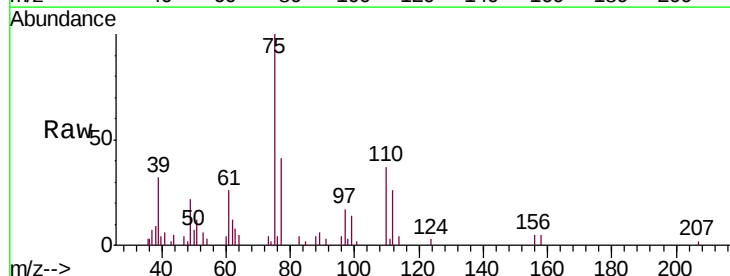
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

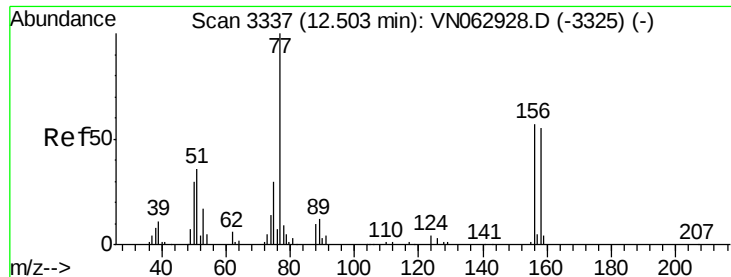
Tgt Ion: 83 Resp: 13672
 Ion Ratio Lower Upper
 83 100
 131 9.3 5.5 16.4
 85 67.9 31.7 95.1



#72
 1,2,3-Trichloropropane
 Concen: 7.706 ug/l
 RT: 12.53 min Scan# 3346
 Delta R.T. -0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 75 Resp: 18034
 Ion Ratio Lower Upper
 75 100
 77 121.8 0.0 313.0





#73

Bromobenzene

Concen: 5.671 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampled :

BFB

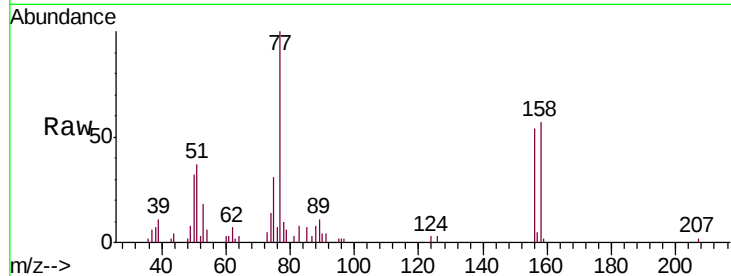
Tgt Ion:156 Resp: 9711

Ion Ratio Lower Upper

156 100

77 226.2 0.0 448.4

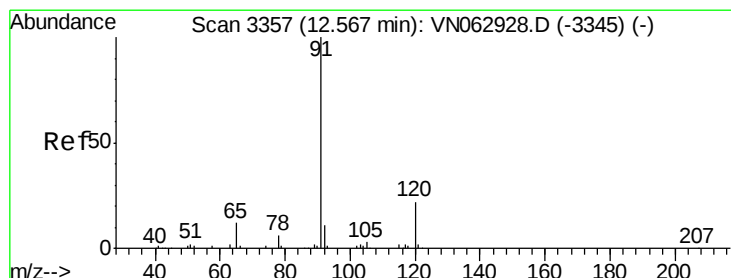
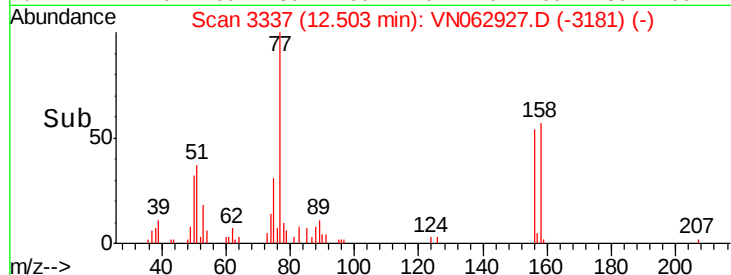
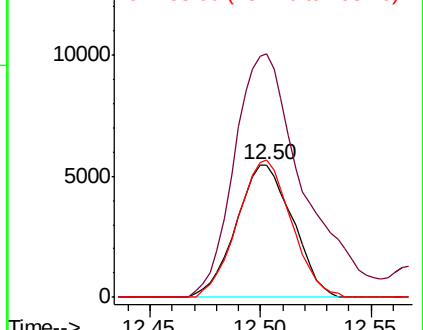
158 99.2 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.812 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062927.D

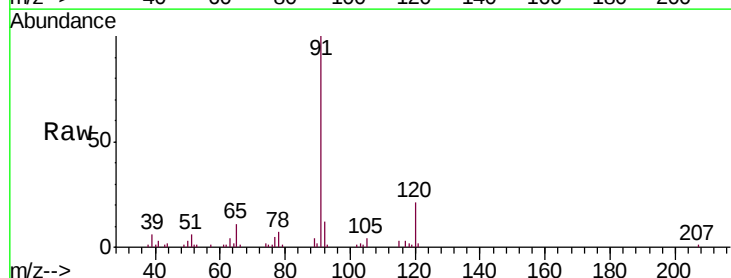
Acq: 13 Aug 2020 22:32

Tgt Ion: 91 Resp: 41524

Ion Ratio Lower Upper

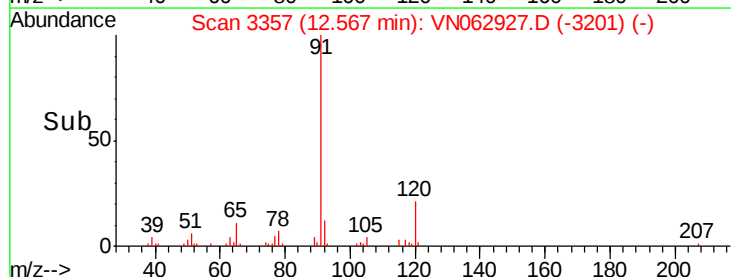
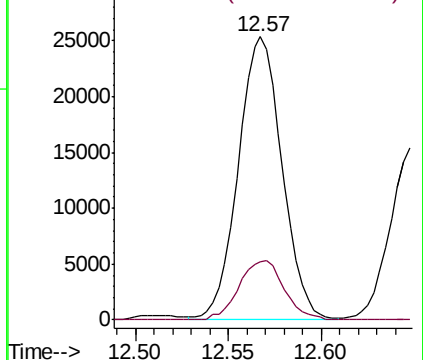
91 100

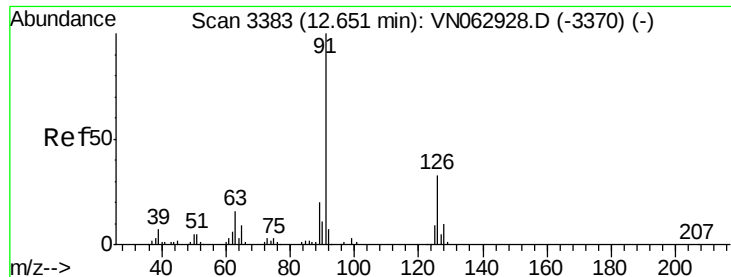
120 21.6 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.248 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

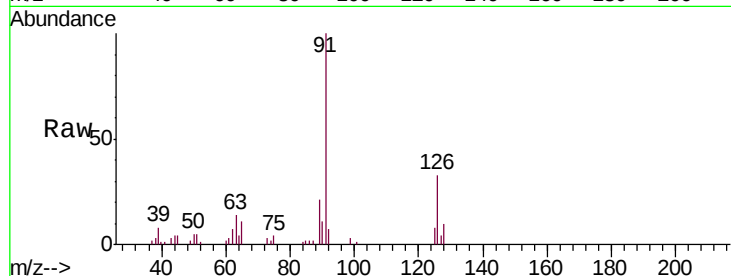
BFB

Tgt Ion: 91 Resp: 27554

Ion Ratio Lower Upper

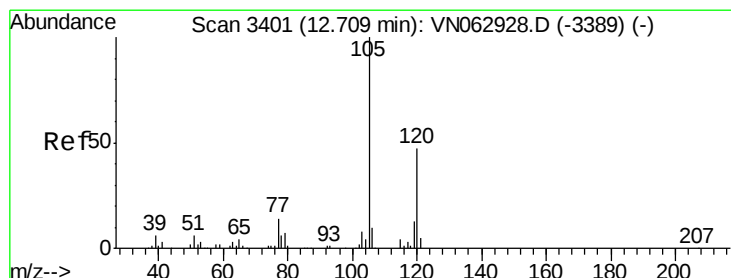
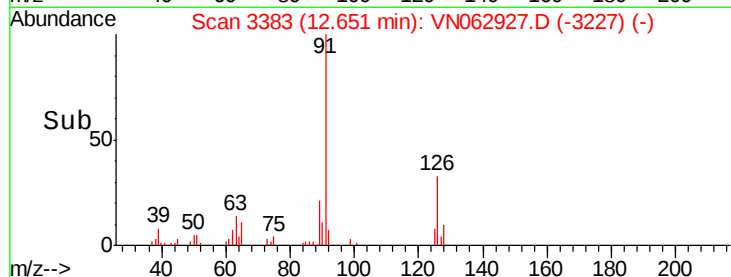
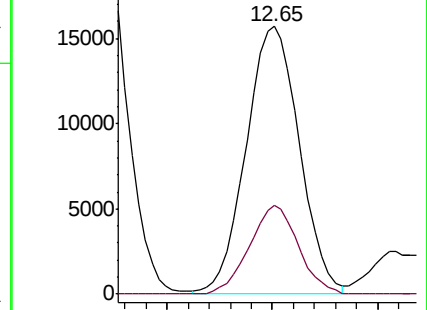
91 100

126 30.3 0.0 63.0



Abundance Ion 91.00 (90.70 to 91.70): VN062927.D (-3383) (-)

Ion 126.00 (125.70 to 126.70): VN062927.D (-3383) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.999 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062927.D

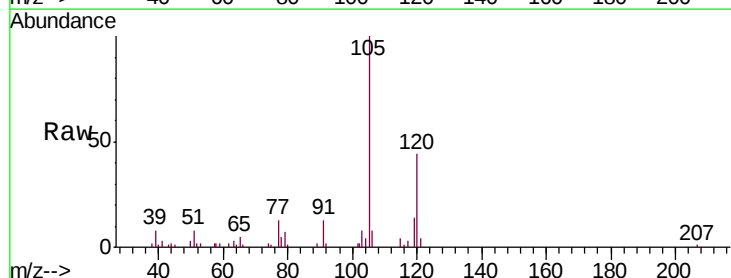
Acq: 13 Aug 2020 22:32

Tgt Ion: 105 Resp: 31390

Ion Ratio Lower Upper

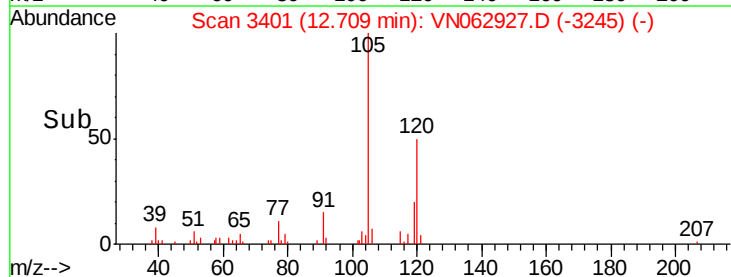
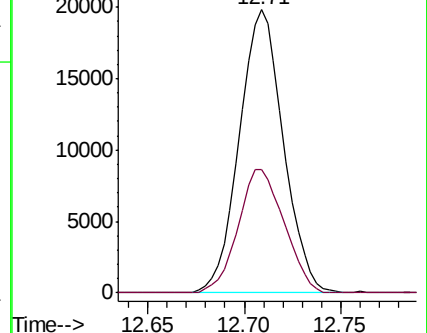
105 100

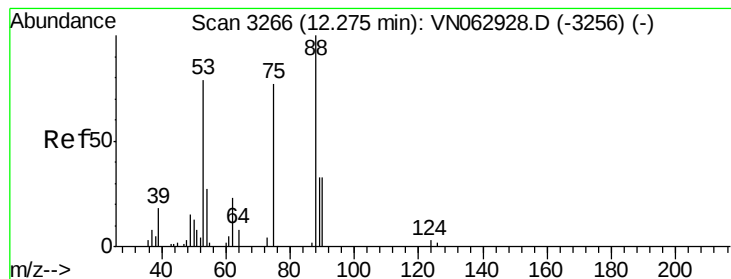
120 45.5 0.0 92.4



Abundance Ion 105.00 (104.70 to 105.70): VN062927.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN062927.D (-3401) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.720 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062927.D

Acq: 13 Aug 2020 22:32

Instrument :

MSVOA_L

ClientSampled :

BFB

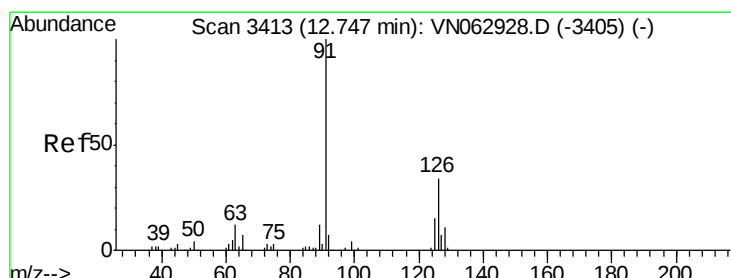
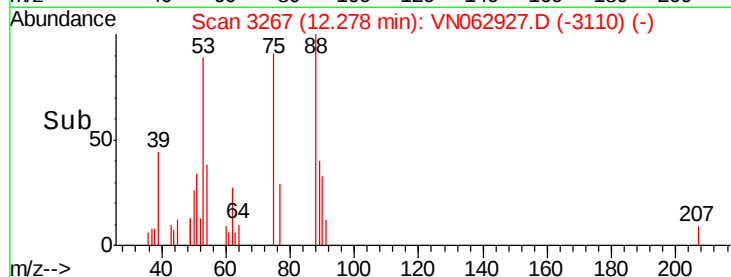
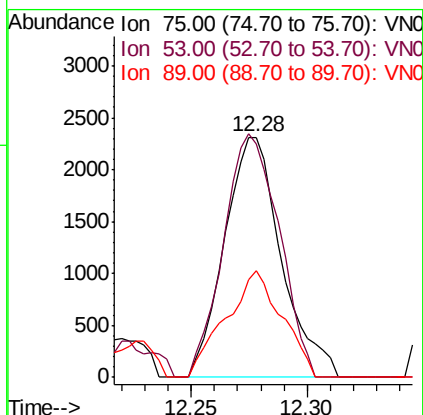
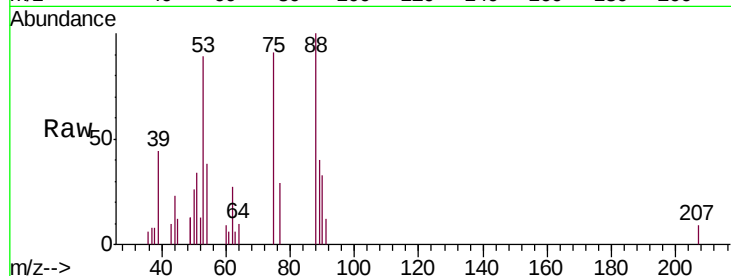
Tgt Ion: 75 Resp: 3950

Ion Ratio Lower Upper

75 100

53 97.1 52.3 157.1

89 44.3 23.4 70.3



#78

4-Chlorotoluene

Concen: 4.978 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062927.D

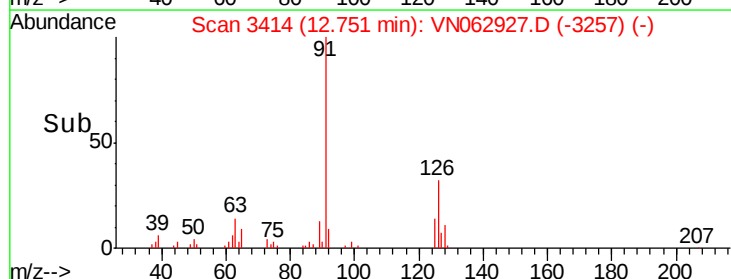
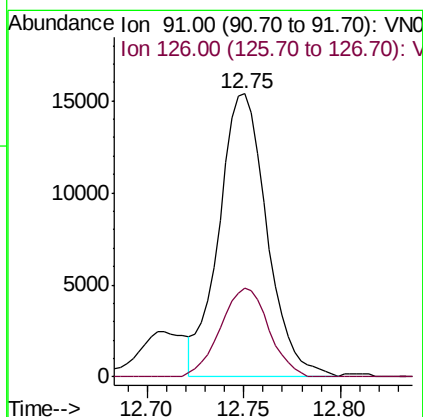
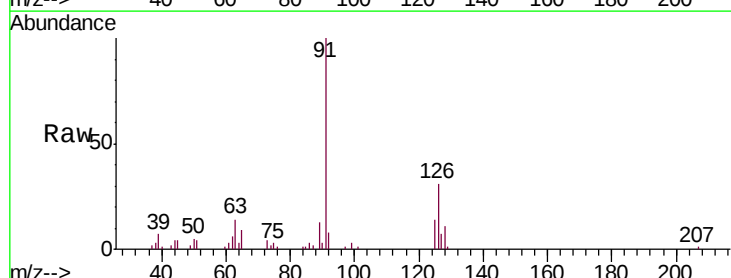
Acq: 13 Aug 2020 22:32

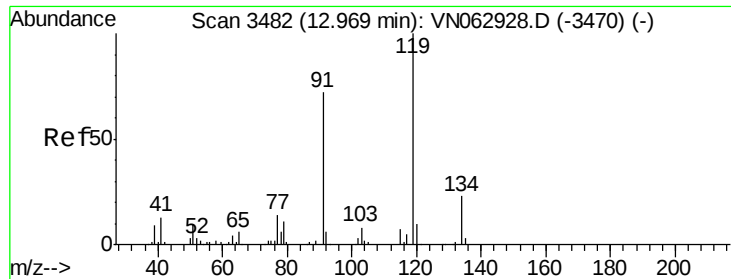
Tgt Ion: 91 Resp: 26591

Ion Ratio Lower Upper

91 100

126 31.4 0.0 63.0

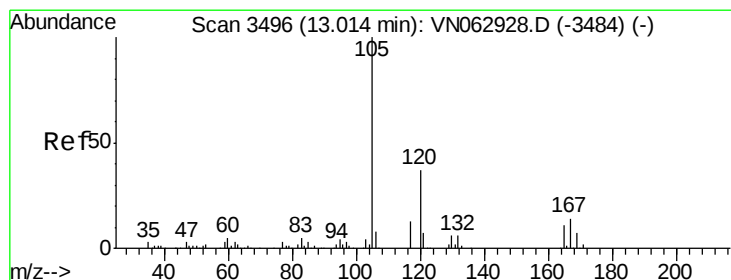
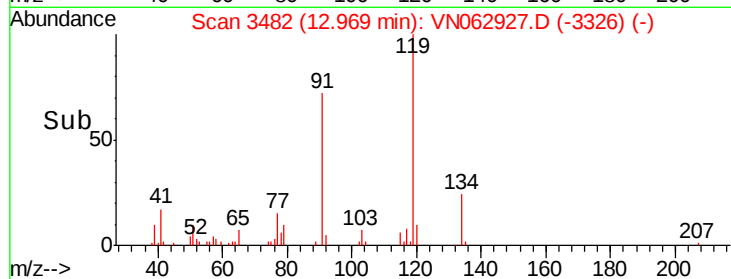
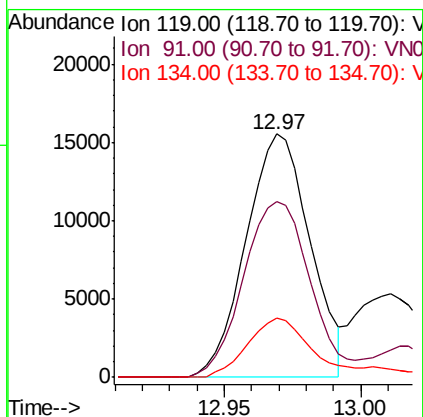
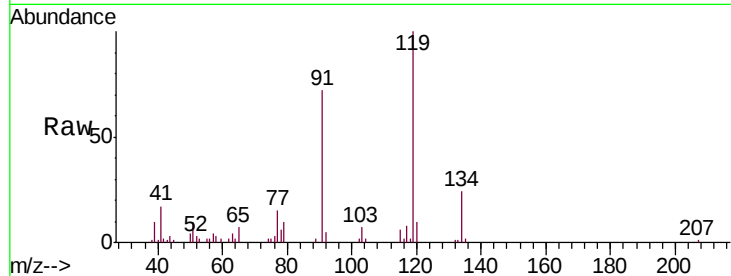




#79
tert-butylbenzene
Concen: 4.897 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

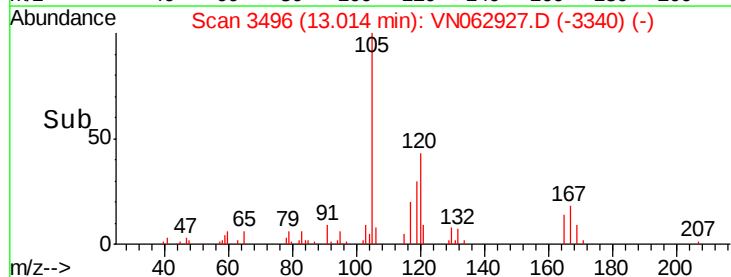
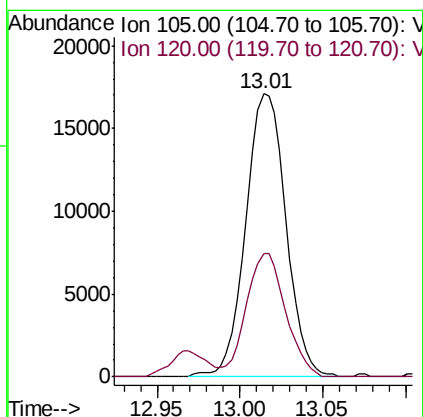
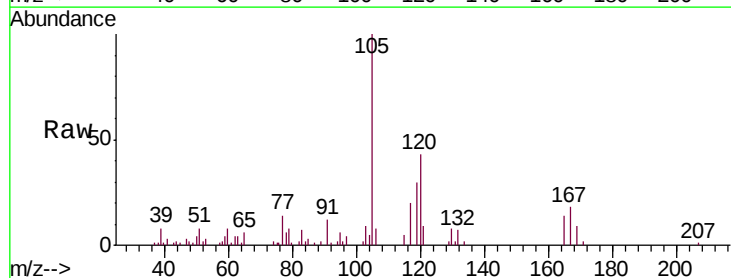
Instrument :
MSVOA_L
ClientSampleId :
BFB

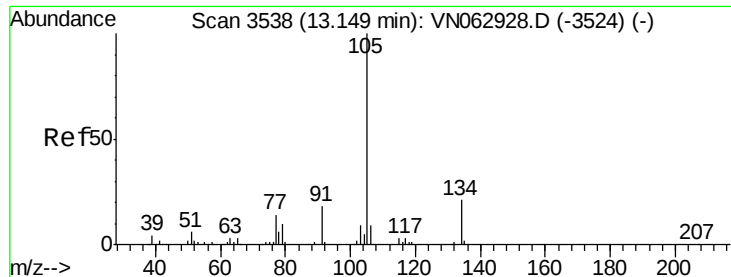
Tgt Ion:119 Resp: 25372
Ion Ratio Lower Upper
119 100
91 75.4 0.0 145.0
134 23.7 0.0 44.6



#80
1,2,4-Trimethylbenzene
Concen: 4.690 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion:105 Resp: 28819
Ion Ratio Lower Upper
105 100
120 42.5 0.0 86.6

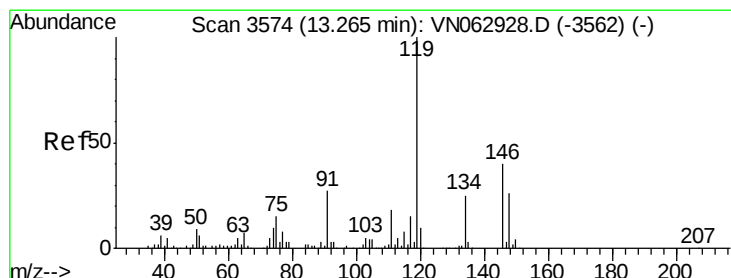
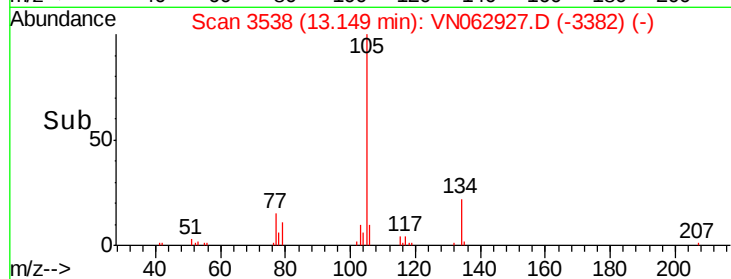
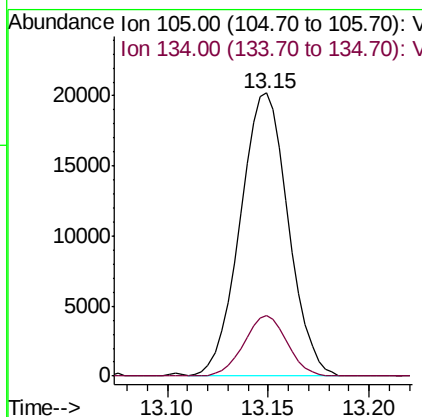
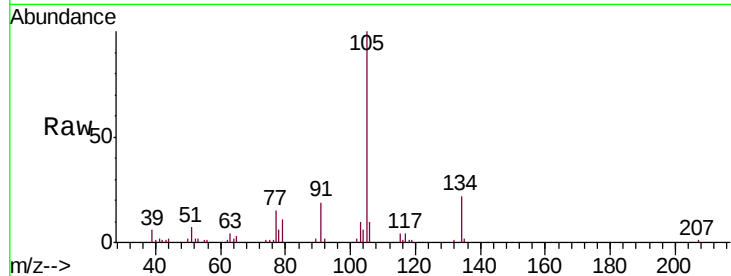




#81
 sec-Butylbenzene
 Concen: 4.861 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

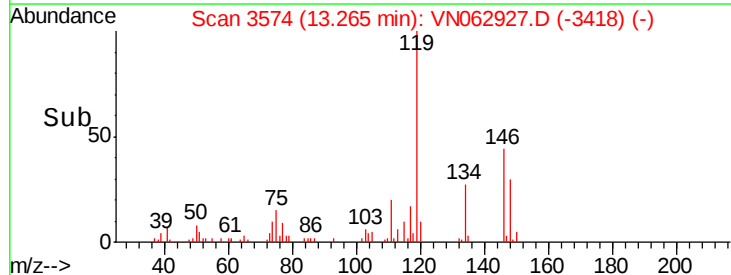
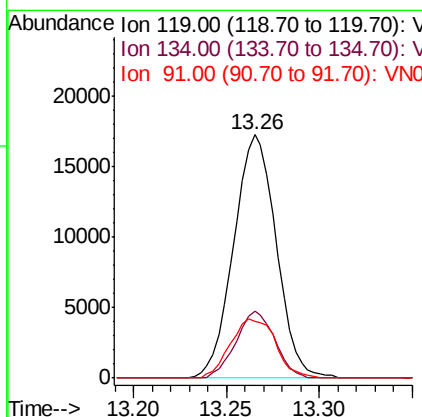
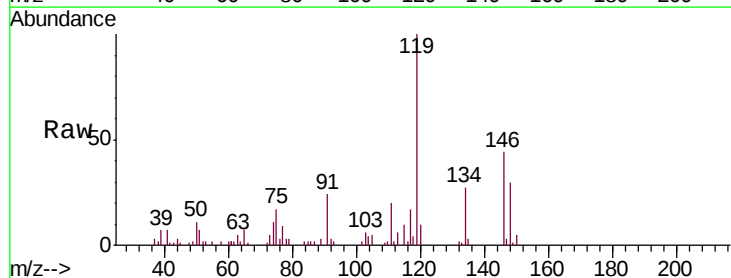
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

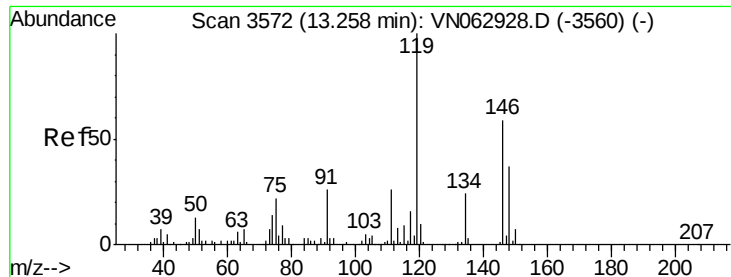
Tgt Ion:105 Resp: 33731
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 4.504 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion:119 Resp: 27634
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 49.6
 91 25.9 0.0 53.6

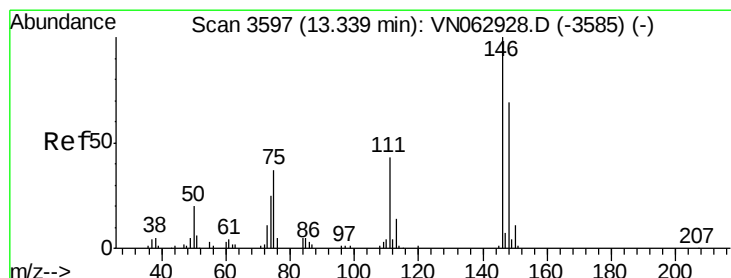
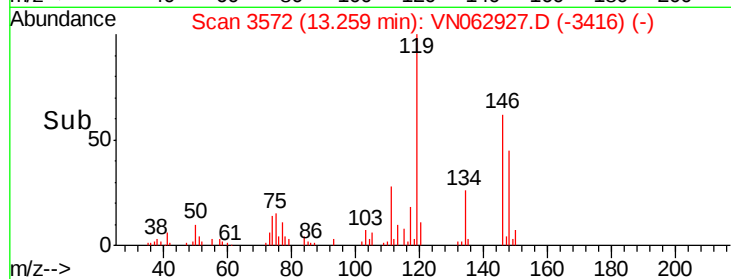
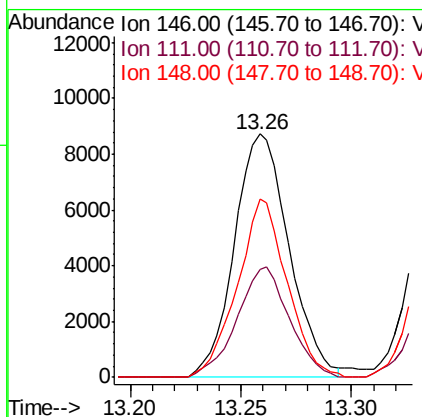
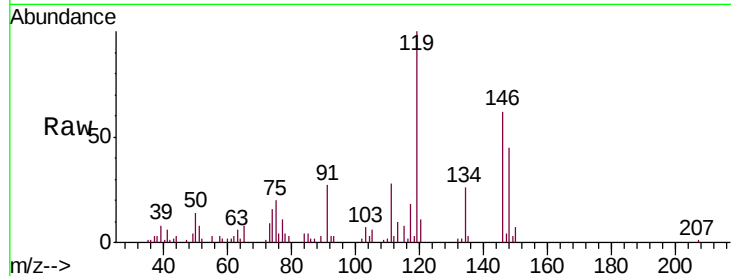




#83
 1,3-Dichlorobenzene
 Concen: 5.036 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

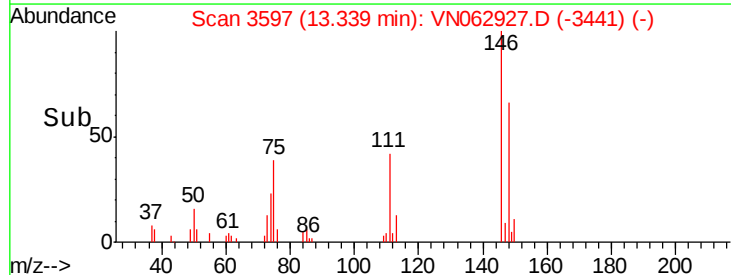
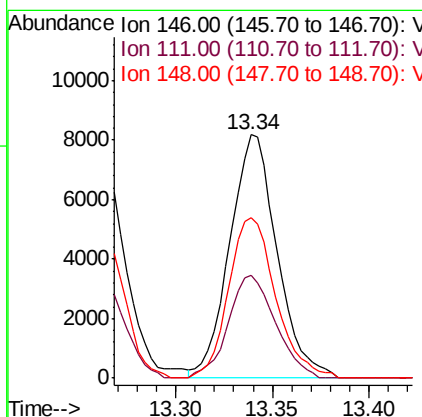
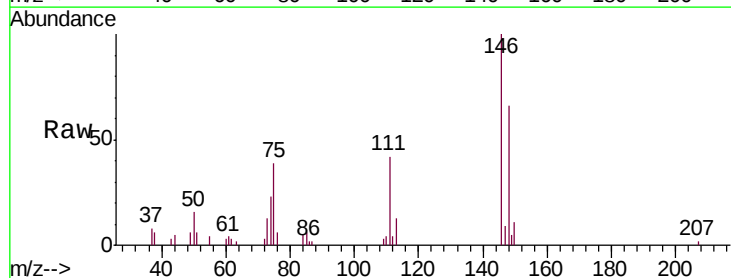
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

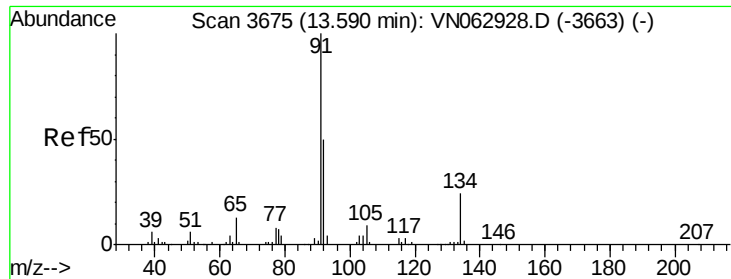
Tgt Ion:146 Resp: 15000
 Ion Ratio Lower Upper
 146 100
 111 43.5 22.4 67.2
 148 66.6 31.6 94.7



#84
 1,4-Dichlorobenzene
 Concen: 4.750 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion:146 Resp: 13932
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.6 64.8
 148 65.6 33.3 99.9

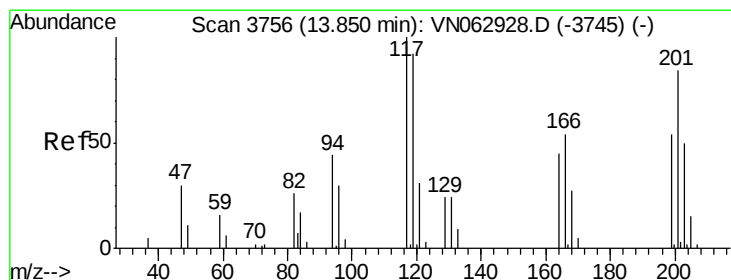
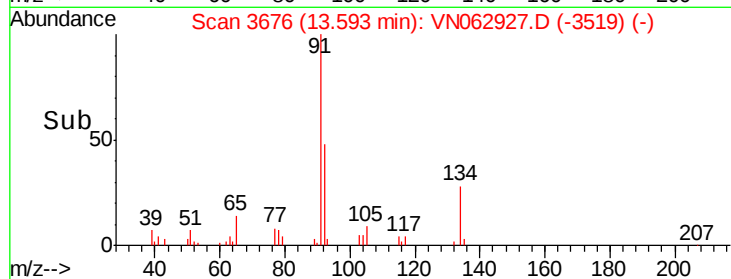
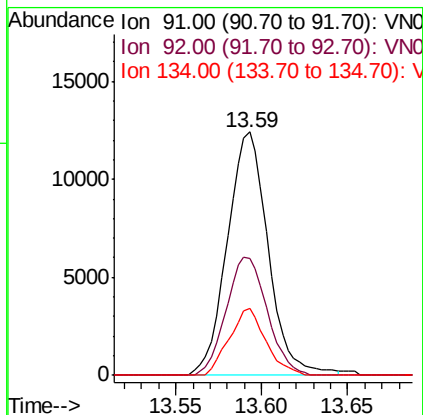
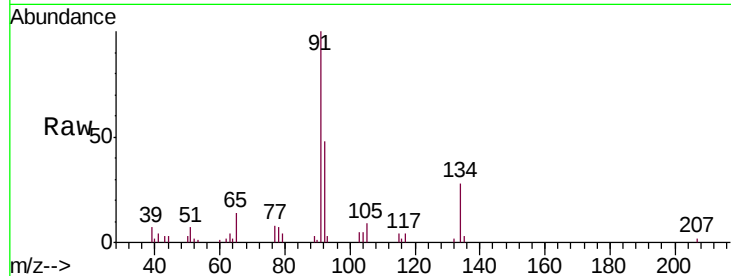




#85
n-Butylbenzene
Concen: 3.971 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

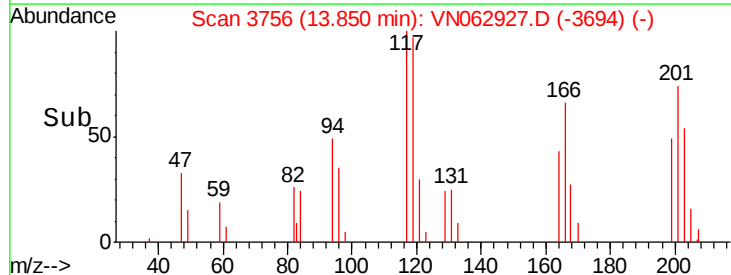
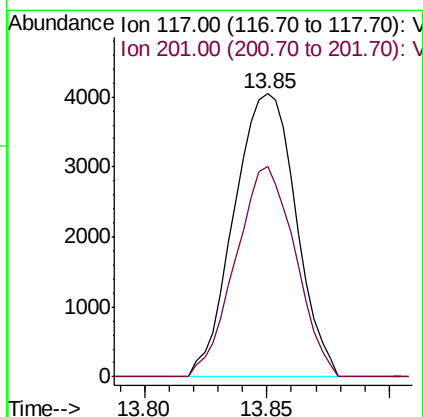
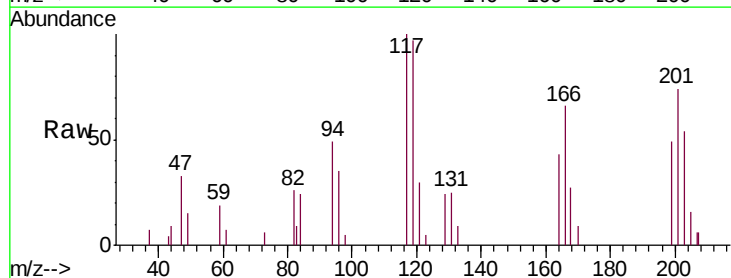
Instrument :
MSVOA_L
ClientSampleId :
BFB

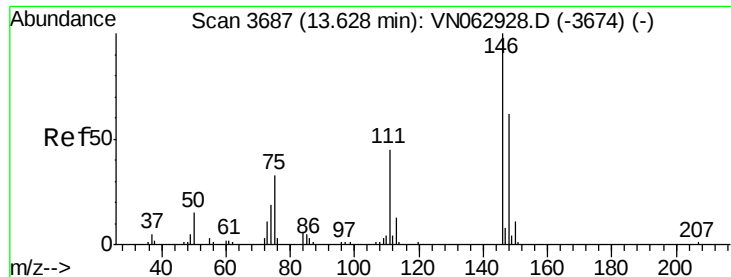
Tgt Ion: 91 Resp: 20610
Ion Ratio Lower Upper
91 100
92 48.7 0.0 97.2
134 24.6 0.0 48.4



#86
Hexachloroethane
Concen: 5.921 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion: 117 Resp: 7124
Ion Ratio Lower Upper
117 100
201 71.6 40.9 122.7

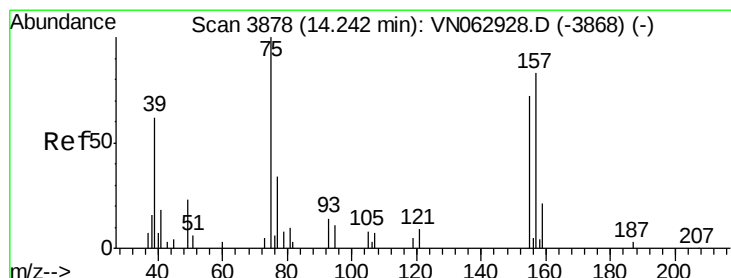
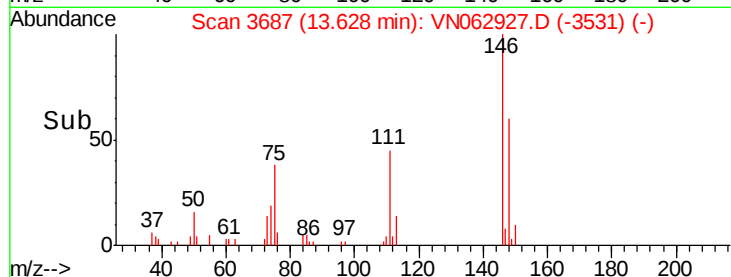
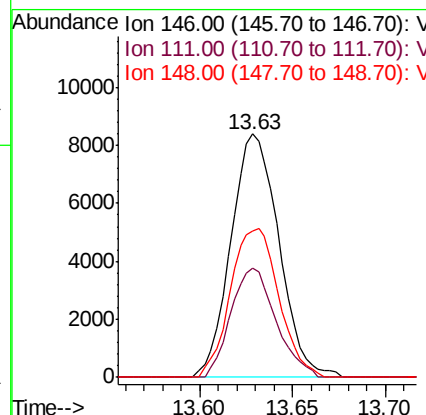
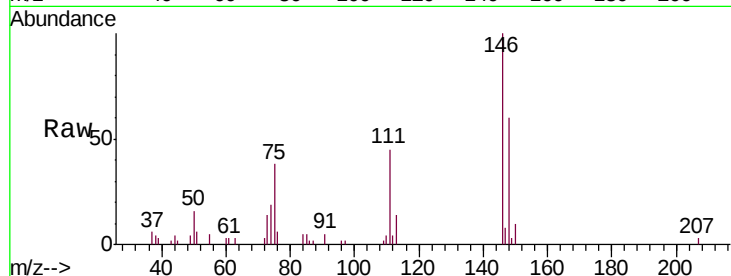




#87
 1,2-Dichlorobenzene
 Concen: 5.254 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

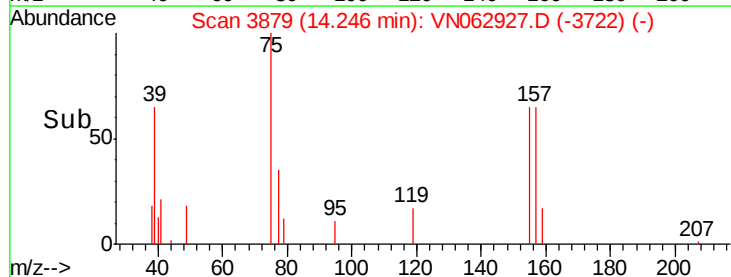
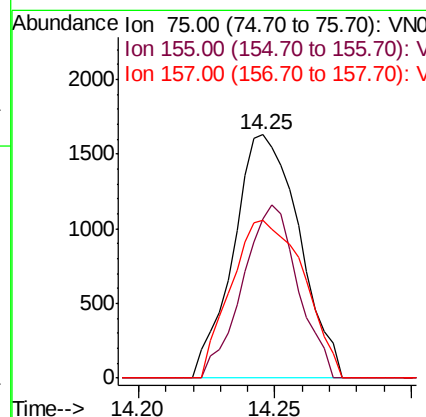
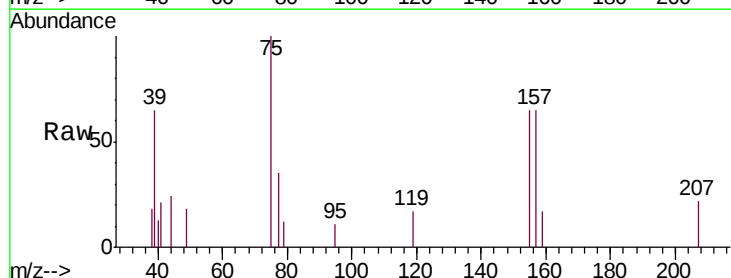
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

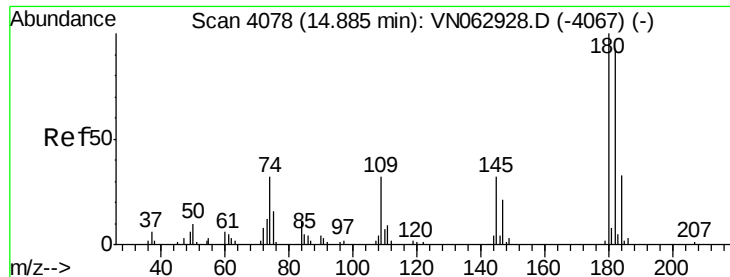
Tgt Ion: 146 Resp: 15082
 Ion Ratio Lower Upper
 146 100
 111 42.1 23.3 69.8
 148 61.5 31.3 93.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 6.073 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062927.D
 Acq: 13 Aug 2020 22:32

Tgt Ion: 75 Resp: 2732
 Ion Ratio Lower Upper
 75 100
 155 59.6 59.8 89.8#
 157 71.7 71.6 107.4

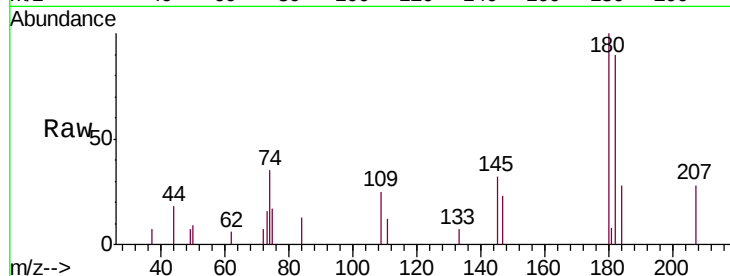




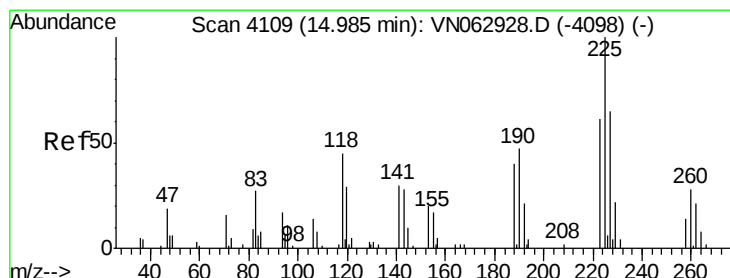
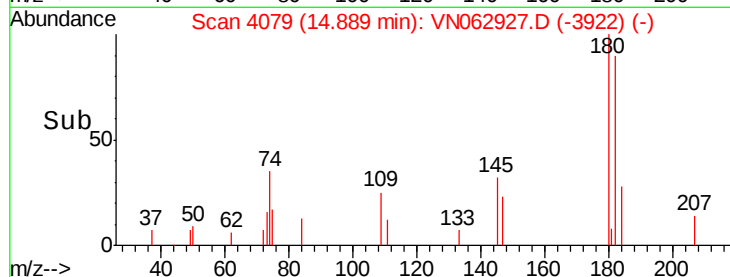
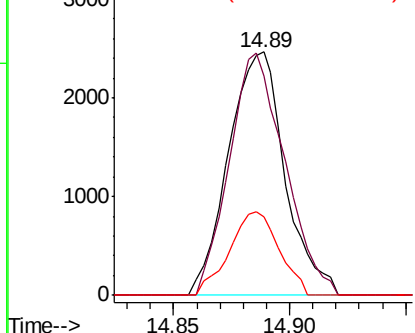
#89
1,2,4-Trichlorobenzene
Concen: 2.999 ug/l
RT: 14.89 min Scan# 4079
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:180 Resp: 4181
Ion Ratio Lower Upper
180 100
182 97.3 75.3 112.9
145 30.0 25.4 38.2

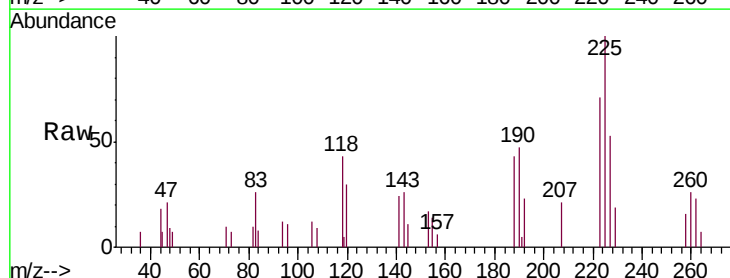


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

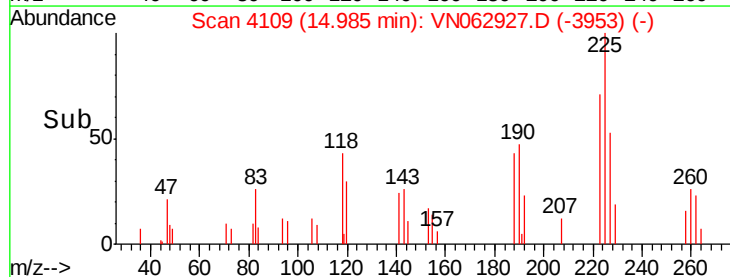
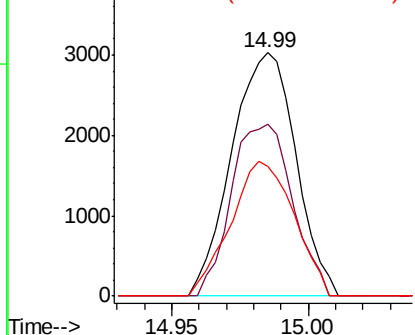


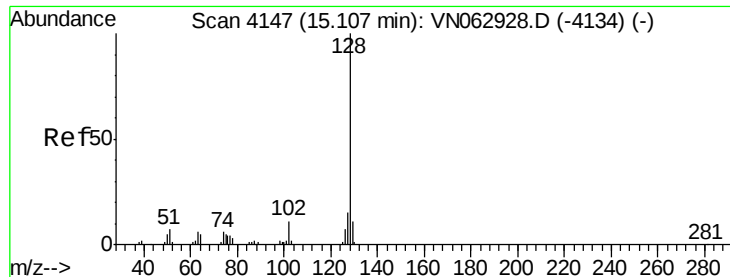
#90
Hexachlorobutadiene
Concen: 6.083 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion:225 Resp: 4945
Ion Ratio Lower Upper
225 100
223 67.3 0.0 129.8
227 54.7 0.0 133.6



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

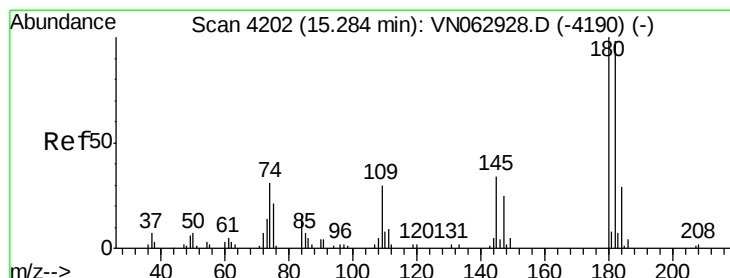
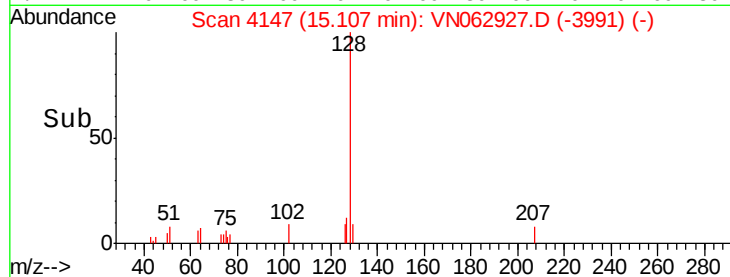
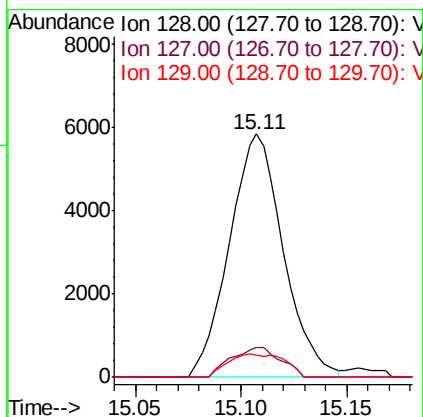
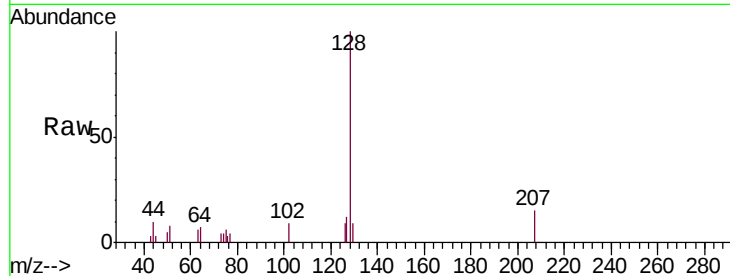




#91
Naphthalene
Concen: 2.779 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:128 Resp: 10372
Ion Ratio Lower Upper
128 100
127 11.3 11.6 17.4#
129 6.4 8.4 12.6#



#92
1,2,3-Trichlorobenzene
Concen: 3.216 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062927.D
Acq: 13 Aug 2020 22:32

Tgt Ion:180 Resp: 4502
Ion Ratio Lower Upper
180 100
182 96.0 0.0 196.4
145 14.1 0.0 71.4

