

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062075.D
 Acq On : 24 Jun 2020 20:13
 Operator : JC/MD
 Sample : L3063-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-13

Quant Time: Jun 25 04:31:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	448770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	434331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184917	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	162645	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	7.55	113	137337	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	10.06	98	572122	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.38	95	203331	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	904	Below Cal		96
11) Tert butyl alcohol	4.73	59	6373	13.259	ug/l #	72
13) Acrolein	3.75	56	10855	23.066	ug/l	84
14) Allyl chloride	4.48	41	30877	8.279	ug/l #	51
15) Acrylonitrile	5.00	53	2706	2.066	ug/l #	30
16) Acetone	3.77	43	45071	39.480	ug/l #	72
17) Carbon Disulfide	4.01	76	14743	1.928	ug/l	98
18) Methyl Acetate	4.48	43	66710	25.067	ug/l #	46
19) Methyl tert-butyl Ether	5.00	73	19364	2.212	ug/l #	1
25) 2-Butanone	6.79	43	8183	5.001	ug/l	90
31) Cyclohexane	7.61	56	22513	4.867	ug/l #	85
36) 1,1-Dichloropropene	7.63	75	19240	4.265	ug/l #	48
37) Ethyl Acetate	6.79	43	8183	2.191	ug/l #	66
38) Carbon Tetrachloride	7.63	117	23919	5.624	ug/l #	14
39) Methylcyclohexane	9.05	83	15213	3.078	ug/l #	80
40) Benzene	8.00	78	296235	21.546	ug/l	99
43) Isopropyl Acetate	8.11	43	6640	1.090	ug/l #	58
47) Bromodichloromethane	9.36	83	2520	0.543	ug/l #	26
48) Methyl methacrylate	9.19	41	7730	2.831	ug/l #	29
51) 4-Methyl-2-Pentanone	9.96	43	1882	0.529	ug/l	92
52) Toluene	10.13	92	16728	1.994	ug/l	99
55) 1,1,2-Trichloroethane	10.50	97	7308	2.216	ug/l #	23
56) Ethyl methacrylate	10.40	69	1506	0.342	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.62	63	492	16.348	ug/l #	46
59) 2-Hexanone	10.76	43	1591	0.619	ug/l	65
67) Ethyl Benzene	11.48	91	11044	0.686	ug/l	94
68) m/p-Xylenes	11.59	106	3197	0.513	ug/l	77
73) Isopropylbenzene	12.22	105	279256	19.509	ug/l	99
74) N-amyl acetate	12.04	43	70	3.356	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	101324	23.276	ug/l #	100
77) Bromobenzene	12.46	156	108250	30.461	ug/l #	1
78) n-propylbenzene	12.57	91	280258	17.117	ug/l	100
79) 2-Chlorotoluene	12.57	91	280258	28.314	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.87	105	59779	5.152	ug/l	71

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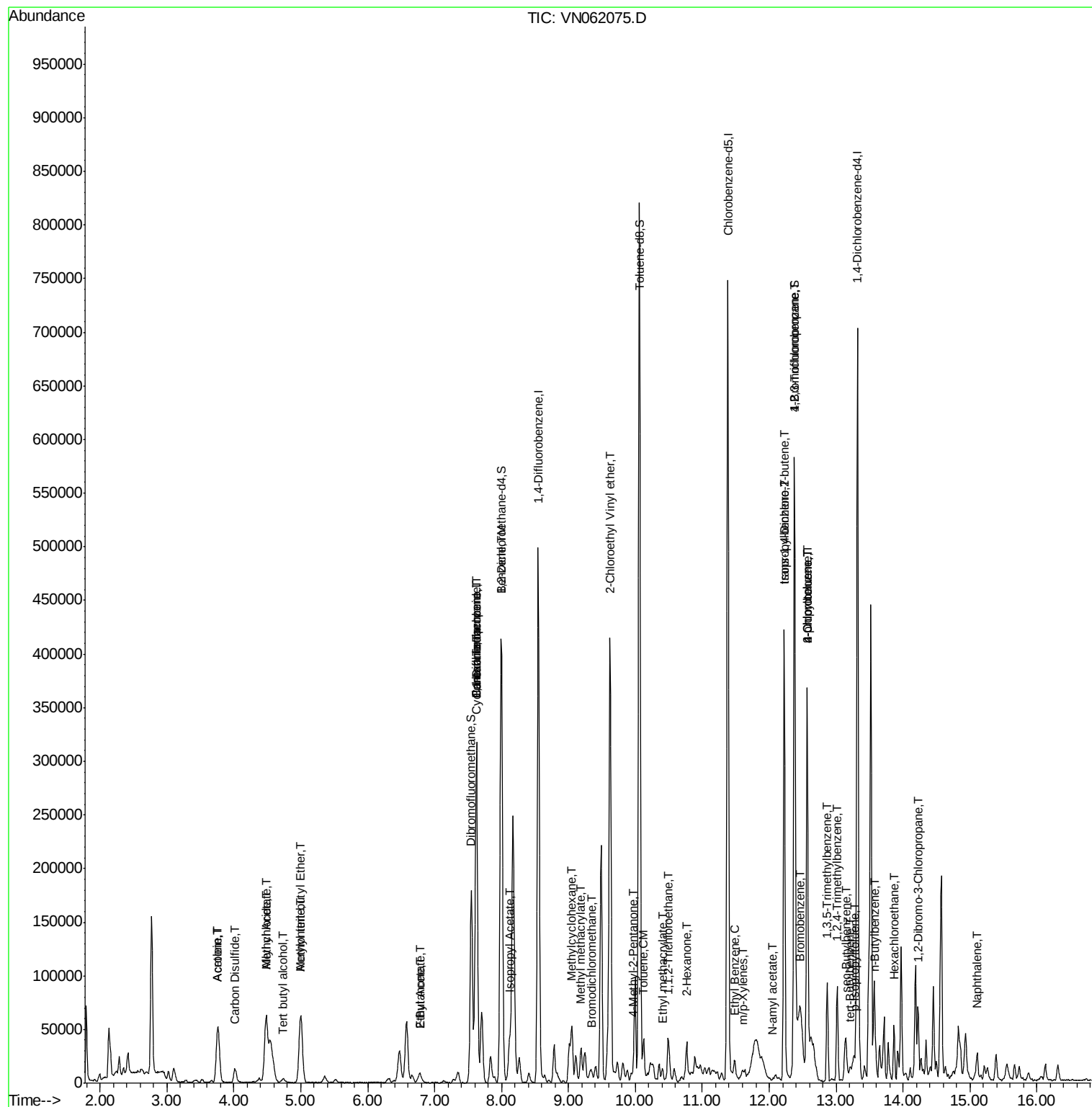
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.22	75	3277	2.198	ug/l #	51
82) 4-Chlorotoluene	12.57	91	280258	27.380	ug/l #	41
83) tert-Butylbenzene	13.21	119	4631	0.466	ug/l	72
84) 1,2,4-Trimethylbenzene	13.01	105	50774	4.381	ug/l	98
85) sec-Butylbenzene	13.15	105	19813	1.510	ug/l #	58
86) p-Isopropyltoluene	13.26	119	3389	0.295	ug/l #	76
89) n-Butylbenzene	13.59	91	21203	2.218	ug/l #	73
90) Hexachloroethane	13.86	117	3299	1.463	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.22	75	231	0.303	ug/l #	3
95) Naphthalene	15.11	128	18559	5.932	ug/l	97

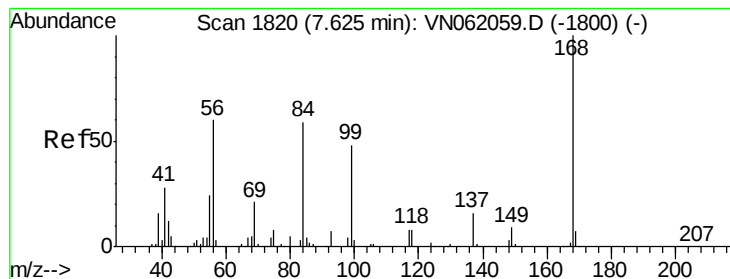
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062420\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampleId :

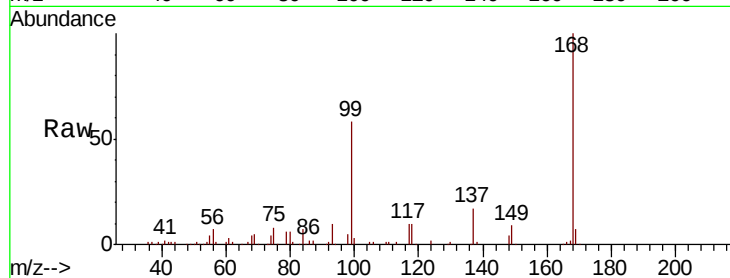
TW-13

Tot Ion:168 Resp: 238560

Ion Ratio Lower Upper

168 100

99 58.5 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062059.D

Ion 98.90 (98.60 to 99.60): VN062059.D

7.63

100000

80000

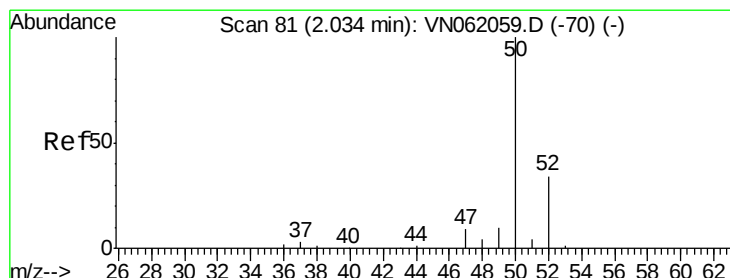
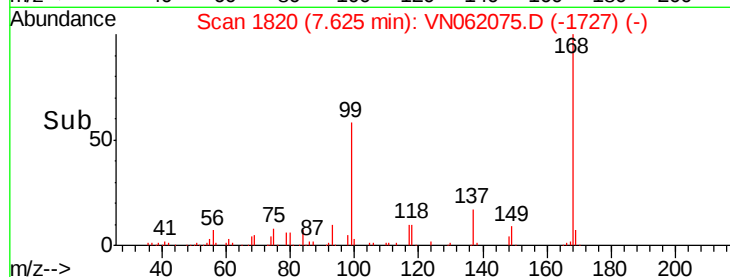
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062075.D

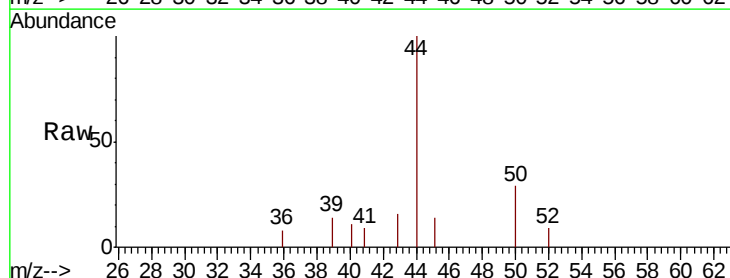
Acq: 24 Jun 2020 20:13

Tgt Ion: 50 Resp: 904

Ion Ratio Lower Upper

50 100

52 31.4 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN062059.D

Ion 51.90 (51.60 to 52.60): VN062059.D

2.04

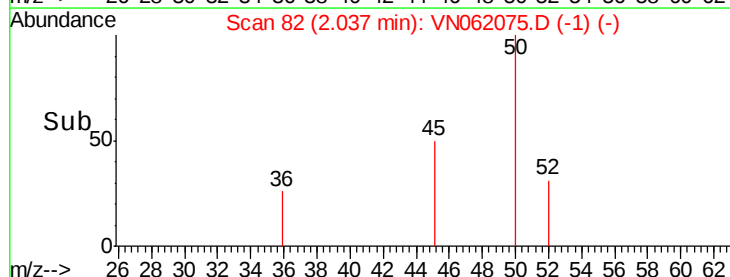
600

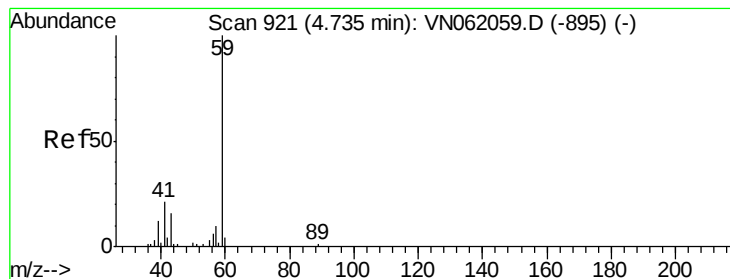
400

200

0

Time--> 2.00 2.02 2.04 2.06





#11

Tert butyl alcohol

Concen: 13.259 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampled :

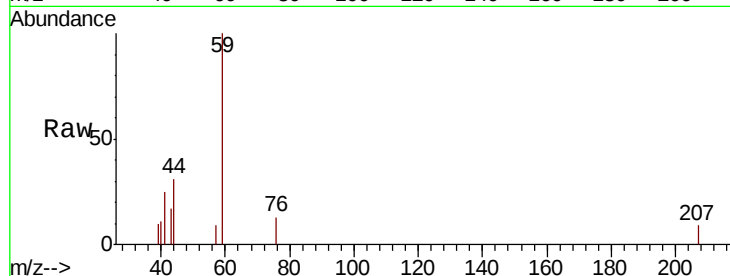
TW-13

Tot Ion: 59 Resp: 6373

Ion Ratio Lower Upper

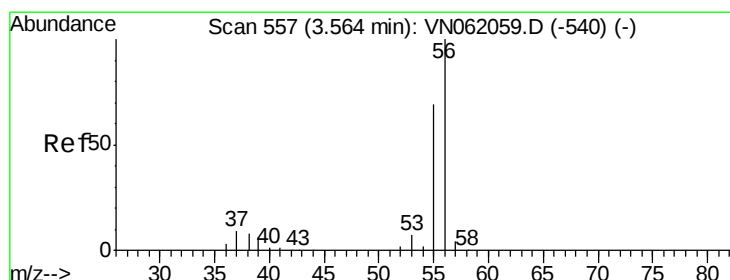
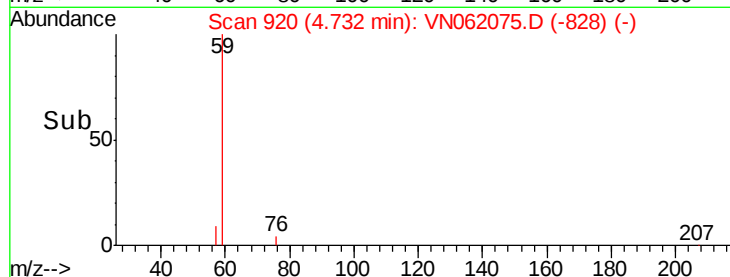
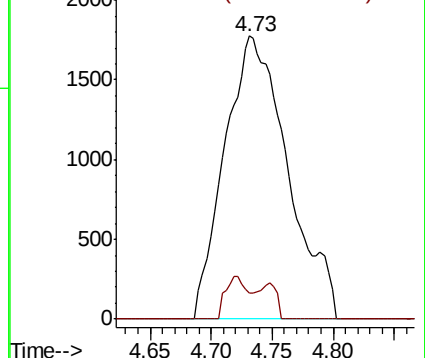
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 23.066 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.19 min

Lab File: VN062075.D

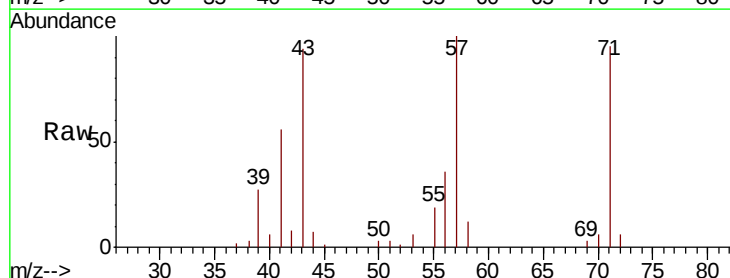
Acq: 24 Jun 2020 20:13

Tgt Ion: 56 Resp: 10855

Ion Ratio Lower Upper

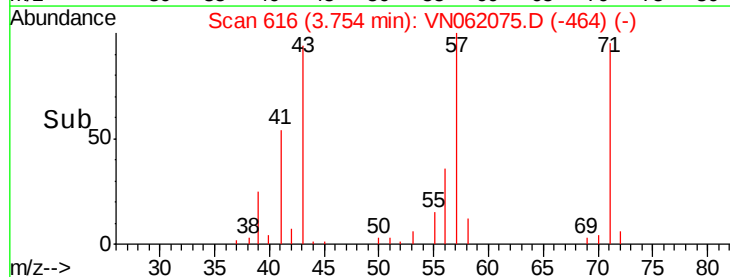
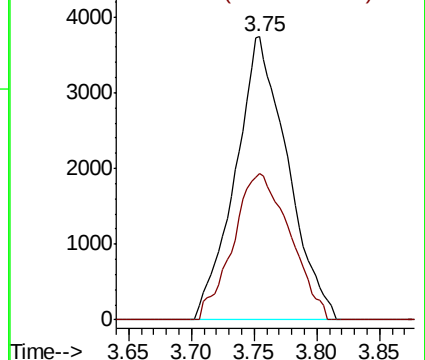
56 100

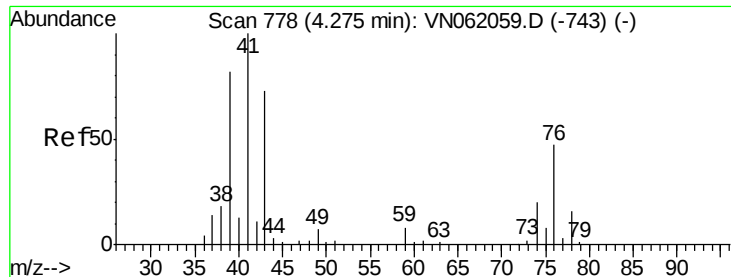
55 56.2 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#14

Allvl chloride

Concen: 8.279 ug/l

RT: 4.48 min Scan# 842

Delta R.T. 0.21 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

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TW-13

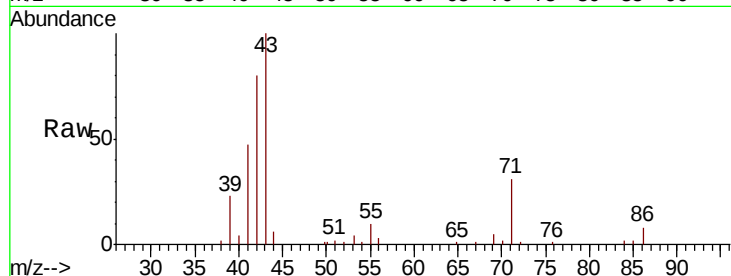
Tot Ion: 41 Resp: 30877

Ion Ratio Lower Upper

41 100

39 42.0 60.0 90.0#

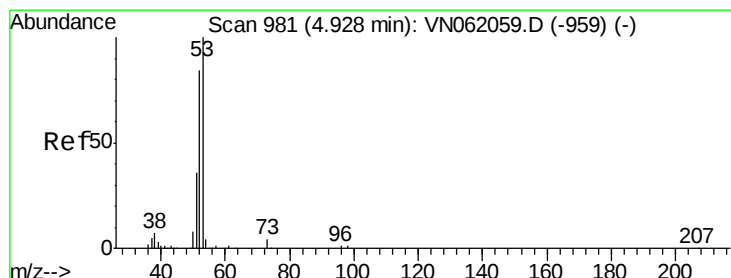
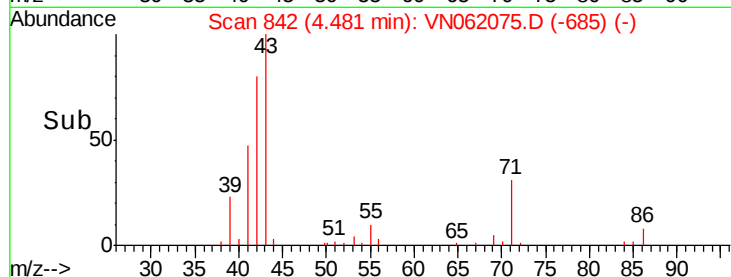
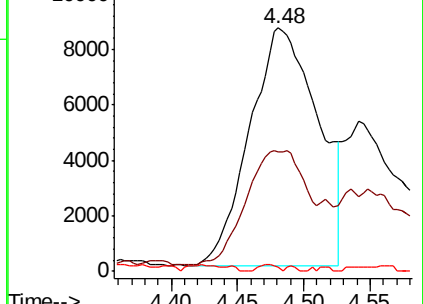
76 0.0 34.1 51.1#



Abundance Ion 41.00 (40.70 to 41.70): VN062075.D (-743) (-)

Ion 39.00 (38.70 to 39.70): VN062075.D (-743) (-)

Ion 75.90 (75.60 to 76.60): VN062075.D (-743) (-)



#15

Acrylonitrile

Concen: 2.066 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.07 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

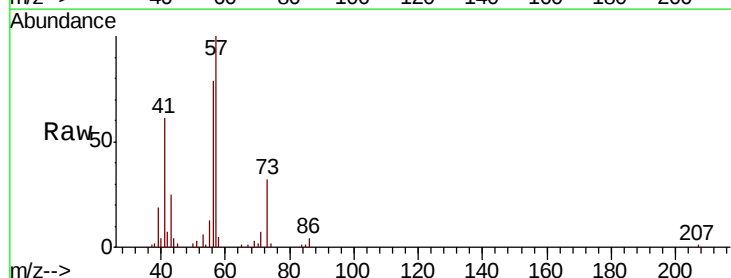
Tgt Ion: 53 Resp: 2706

Ion Ratio Lower Upper

53 100

52 2.1 66.2 99.4#

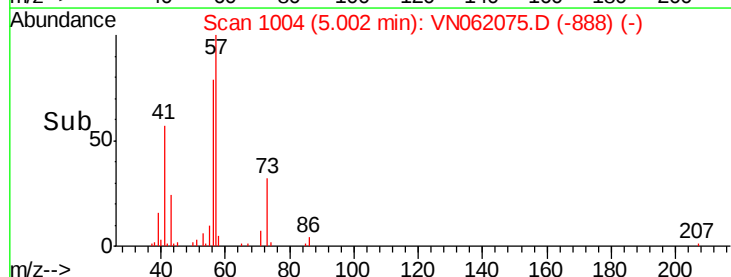
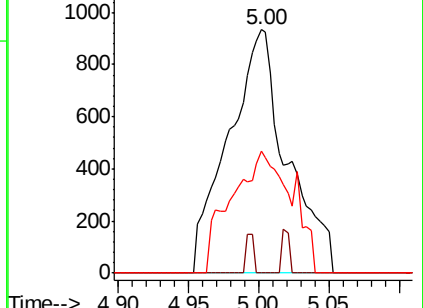
51 51.4 28.9 43.3#

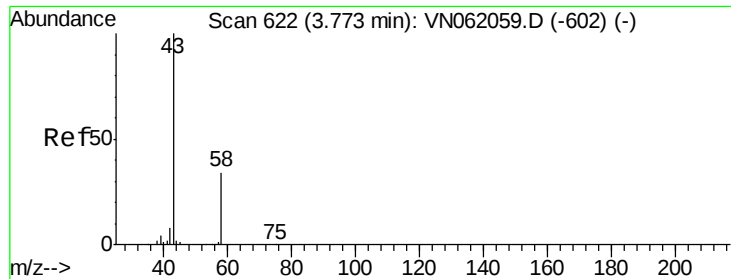


Abundance Ion 53.00 (52.70 to 53.70): VN062059.D (-959) (-)

Ion 52.00 (51.70 to 52.70): VN062059.D (-959) (-)

Ion 51.00 (50.70 to 51.70): VN062059.D (-959) (-)





#16

Acetone

Concen: 39.480 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.01 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampled :

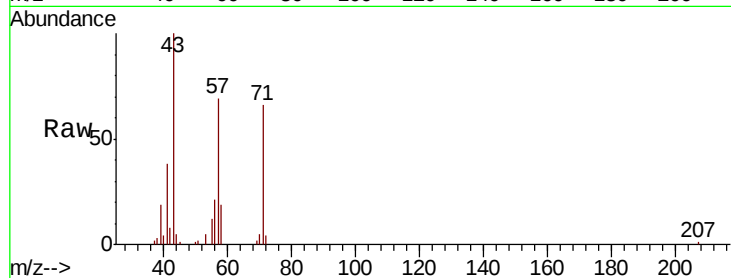
TW-13

Tot Ion: 43 Resp: 45071

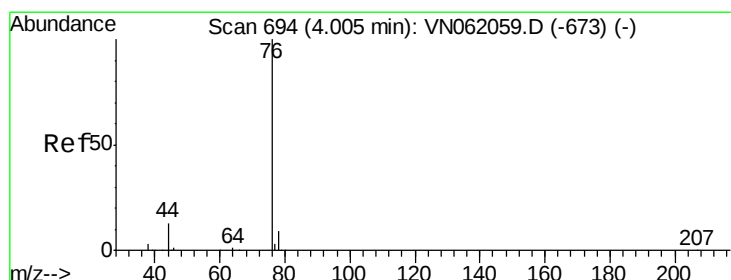
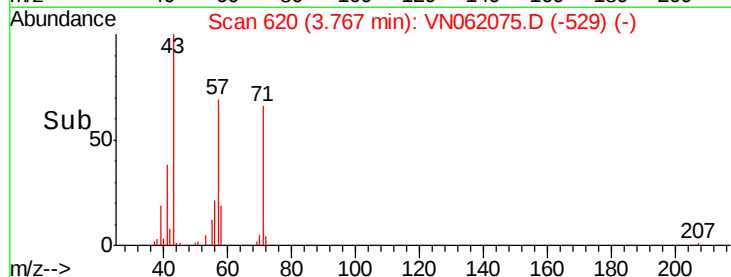
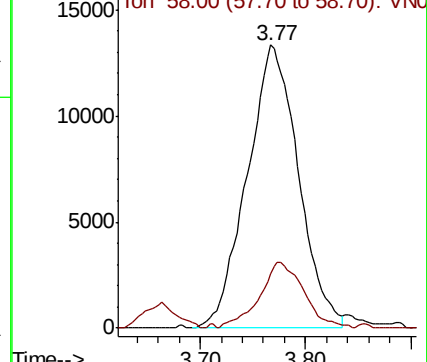
Ion Ratio Lower Upper

43 100

58 18.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062075.D (-529) (-)



#17

Carbon Disulfide

Concen: 1.928 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN062075.D

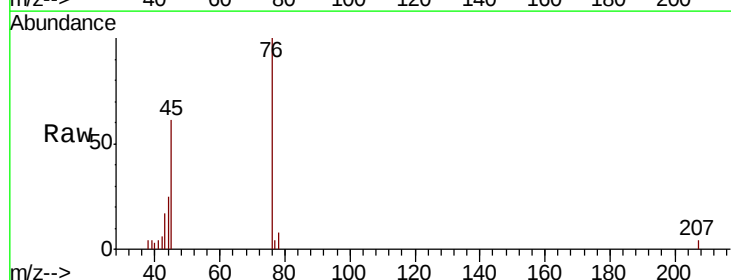
Acq: 24 Jun 2020 20:13

Tgt Ion: 76 Resp: 14743

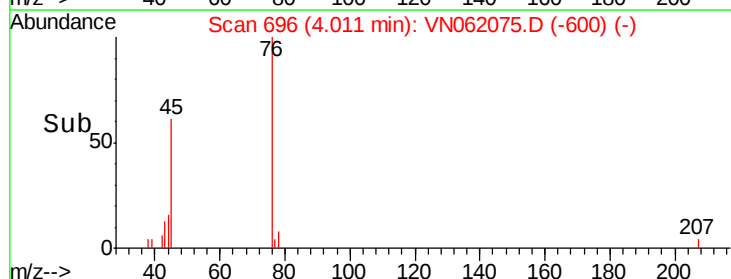
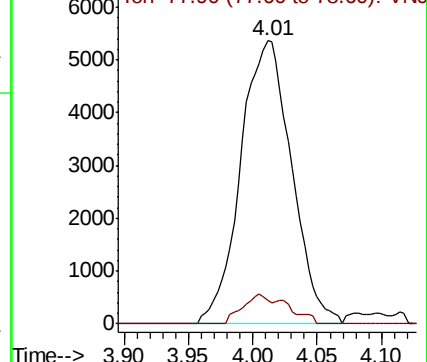
Ion Ratio Lower Upper

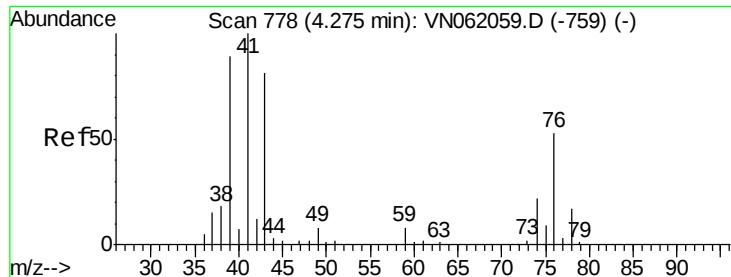
76 100

78 8.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN062075.D (-600) (-)

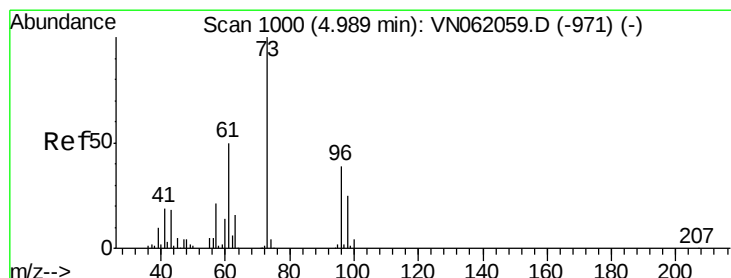
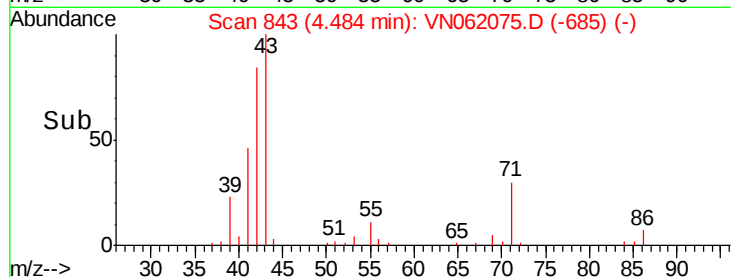
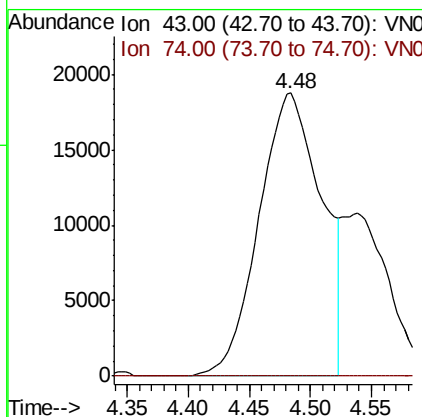
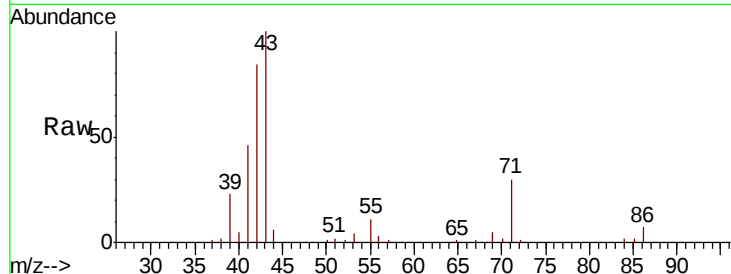




#18
Methyl Acetate
Concen: 25.067 ug/l
RT: 4.48 min Scan# 843
Delta R.T. 0.21 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

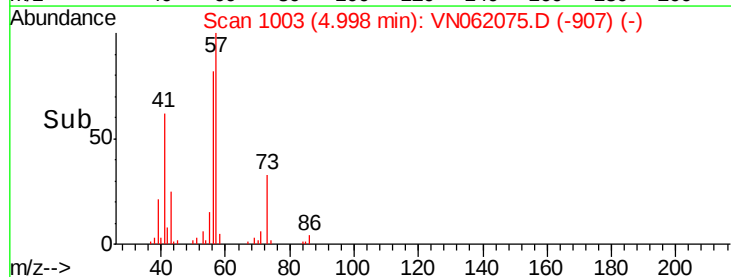
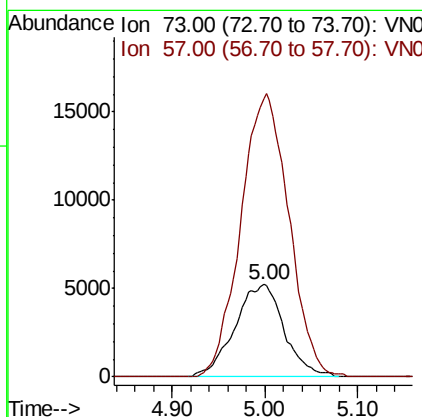
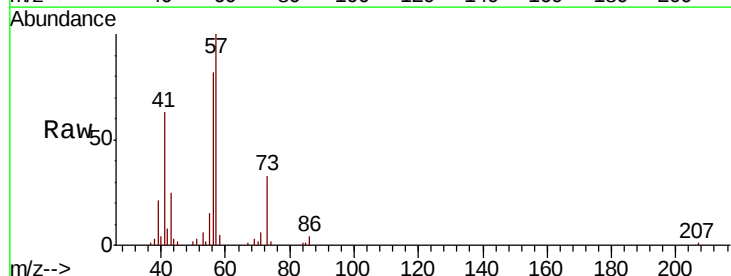
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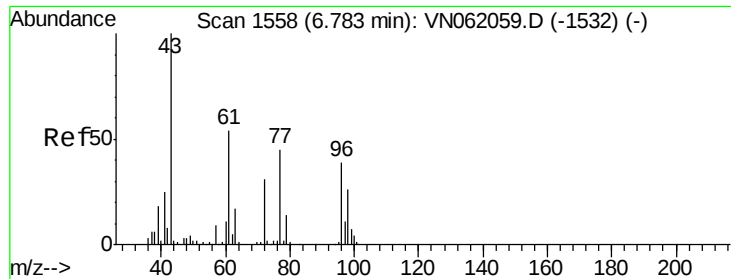
Tot Ion: 43 Resp: 66710
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#



#19
Methyl tert-butyl Ether
Concen: 2.212 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 73 Resp: 19364
Ion Ratio Lower Upper
73 100
57 300.0 16.6 24.8#

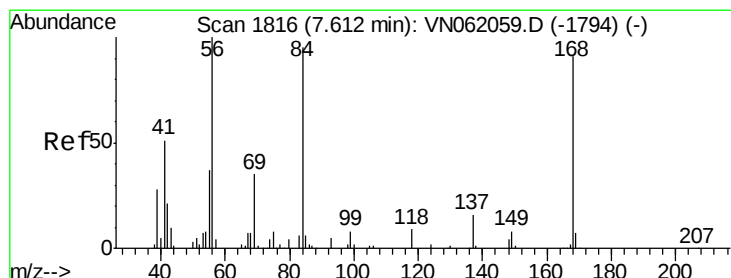
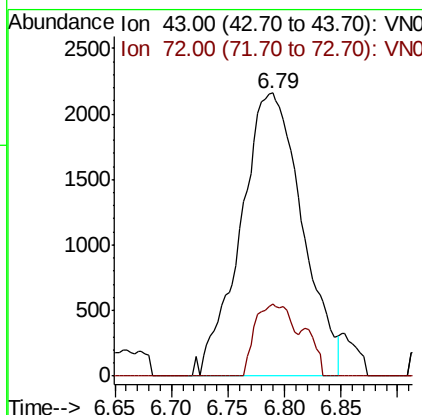
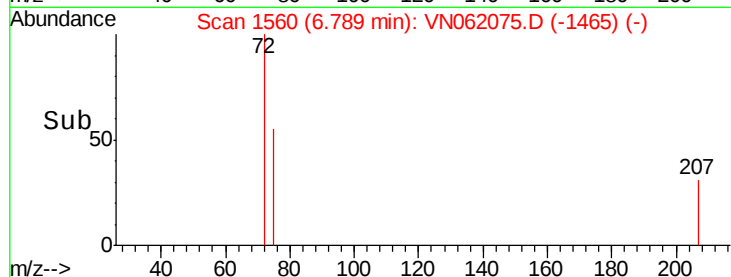
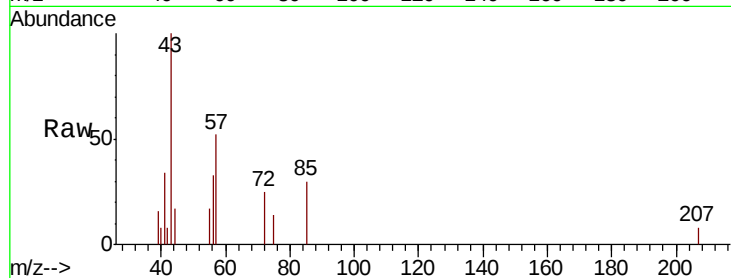




#25
2-Butanone
Concen: 5.001 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

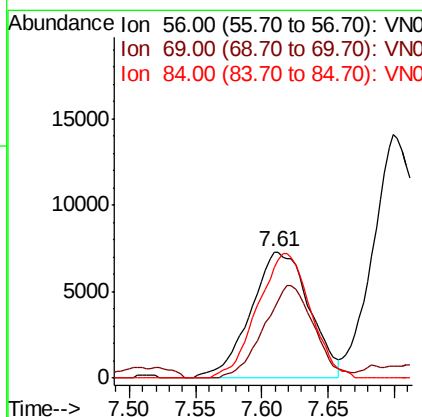
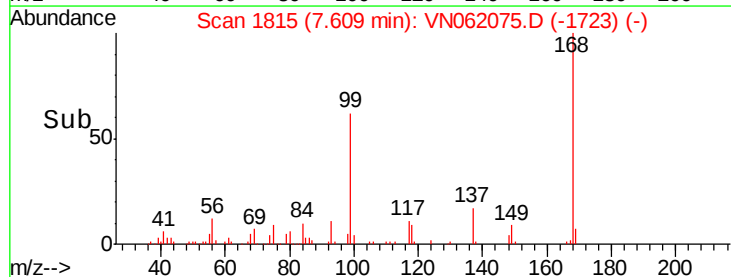
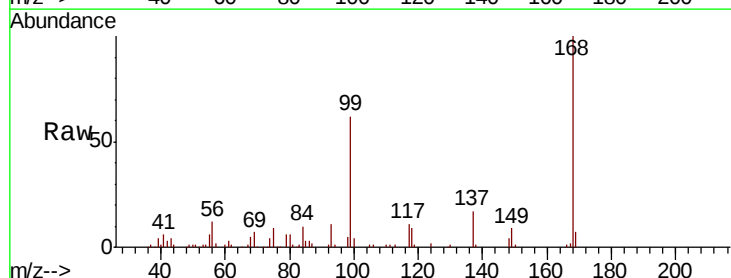
Instrument :
MSVOA_N
ClientSampled :
TW-13

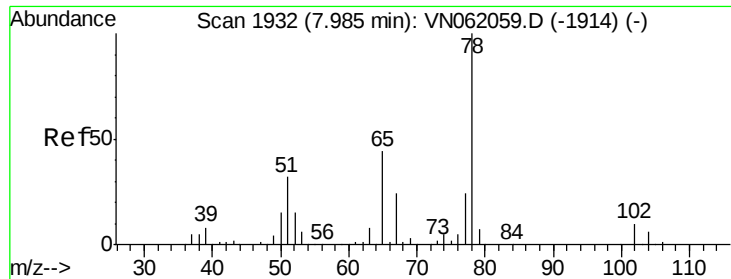
Tot Ion: 43 Resp: 8183
Ion Ratio Lower Upper
43 100
72 25.5 24.8 37.2



#31
Cyclohexane
Concen: 4.867 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 56 Resp: 22513
Ion Ratio Lower Upper
56 100
69 55.1 28.0 42.0#
84 87.7 76.1 114.1

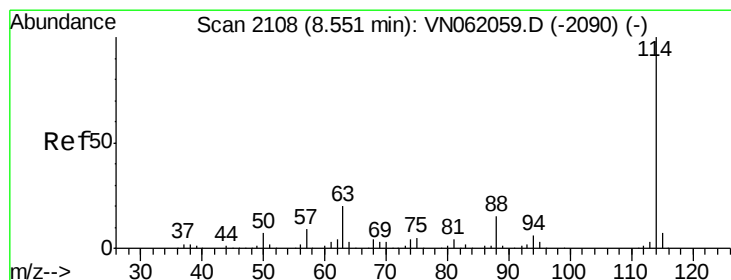
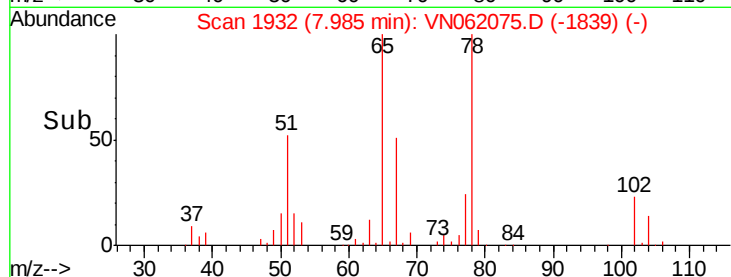
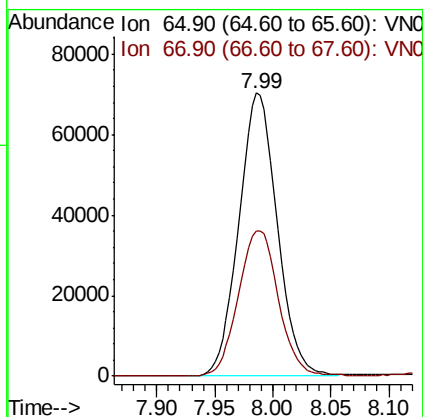
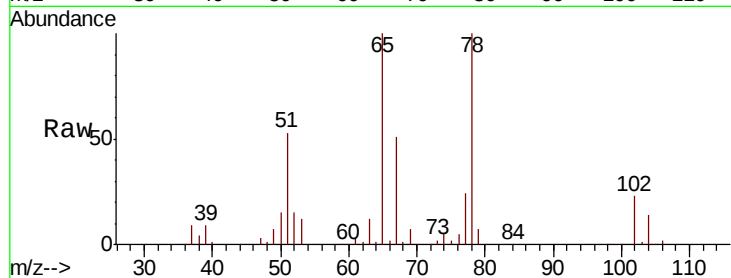




#33
 1,2-Dichloroethane-d4
 Concen: 48.583 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

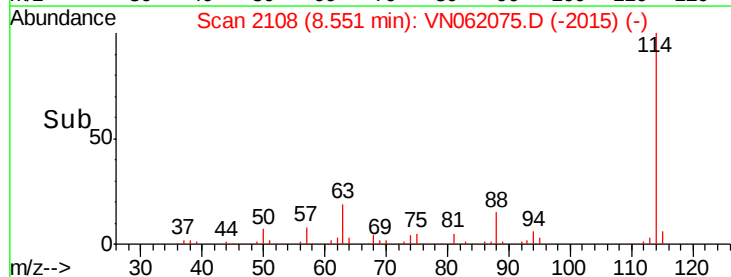
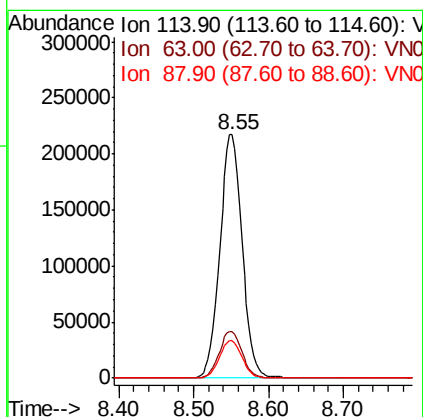
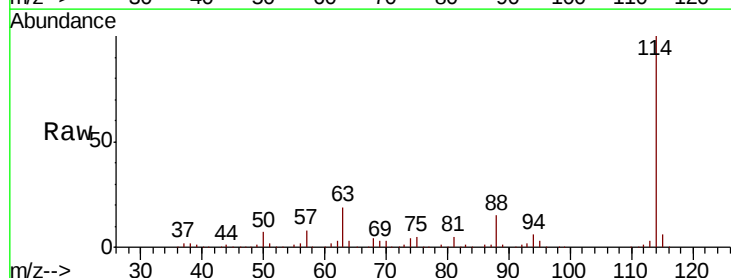
Instrument :
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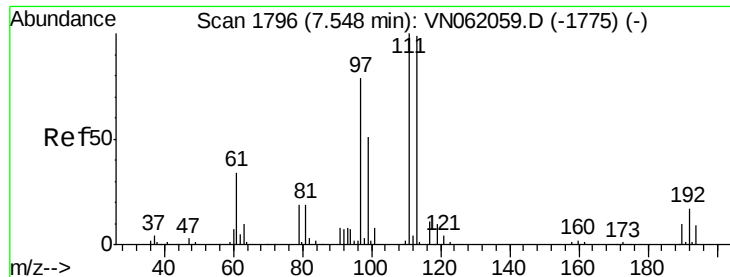
Tot Ion: 65 Resp: 162645
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Tgt Ion: 114 Resp: 448770
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.5 0.0 30.8

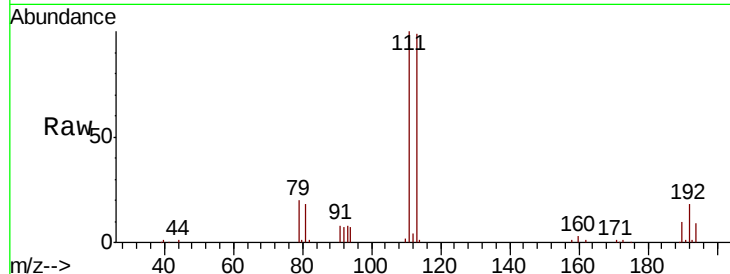




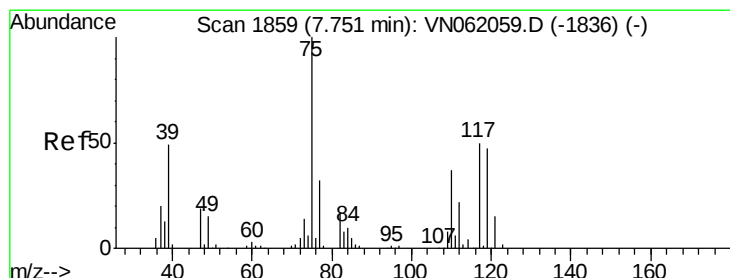
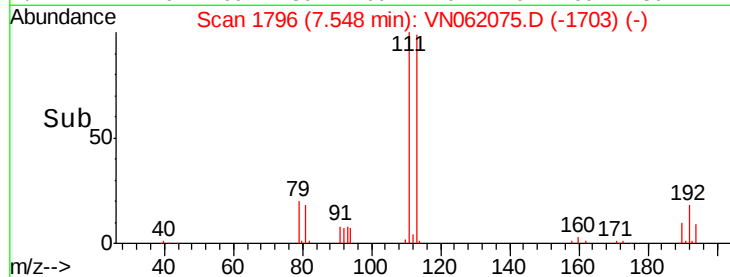
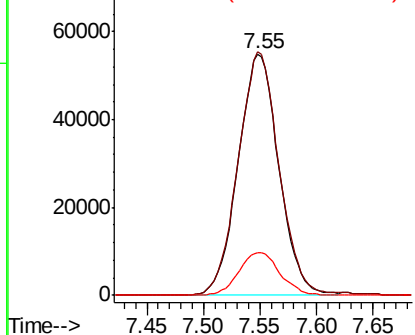
#35
 Dibromofluoromethane
 Concen: 47.702 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-13

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	18.0	14.0	21.0

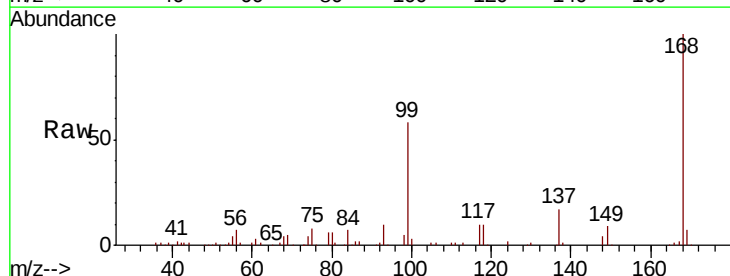


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

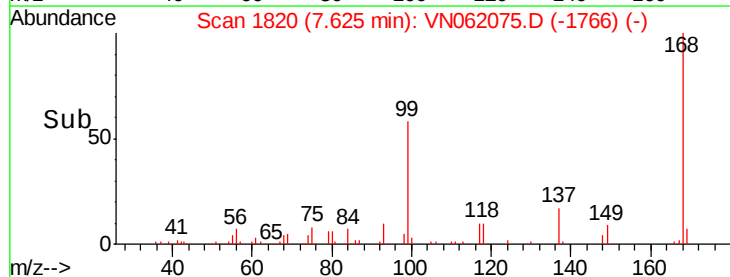
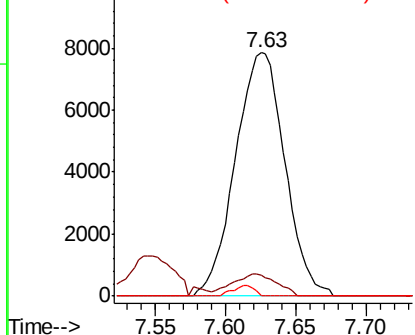


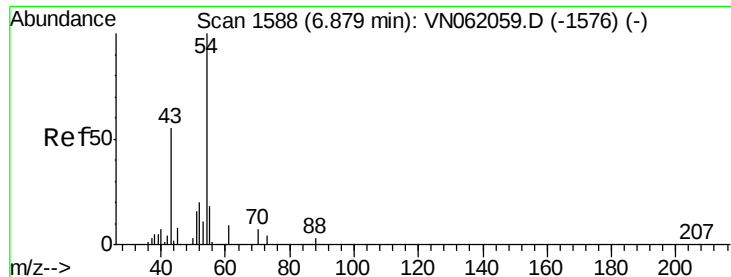
#36
 1,1-Dichloropropene
 Concen: 4.265 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.9	53.8#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

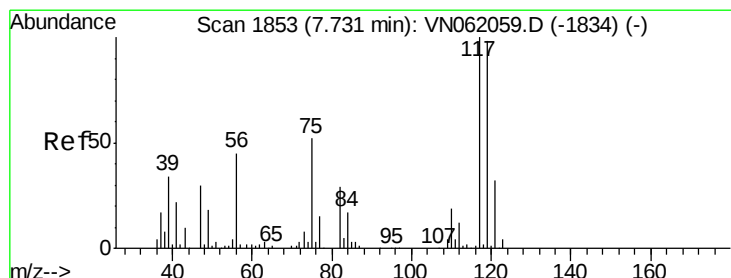
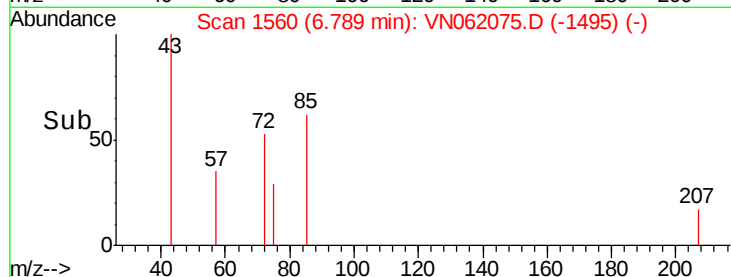
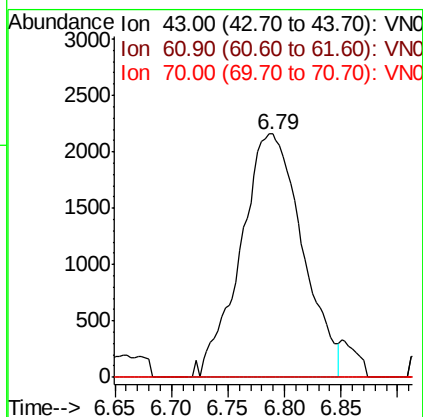
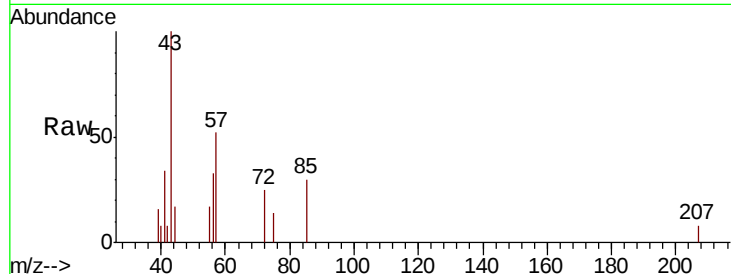




#37
Ethyl Acetate
Concen: 2.191 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.09 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

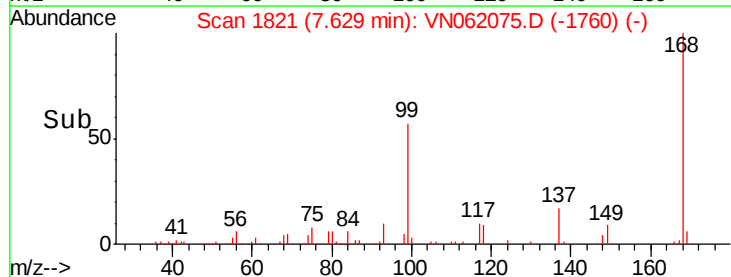
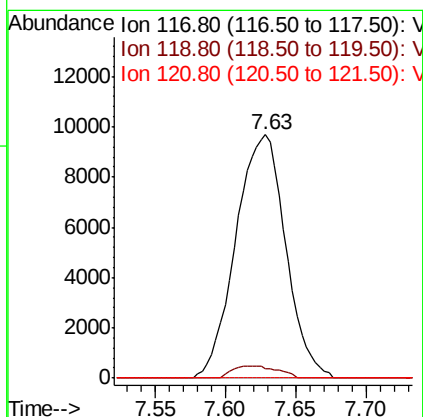
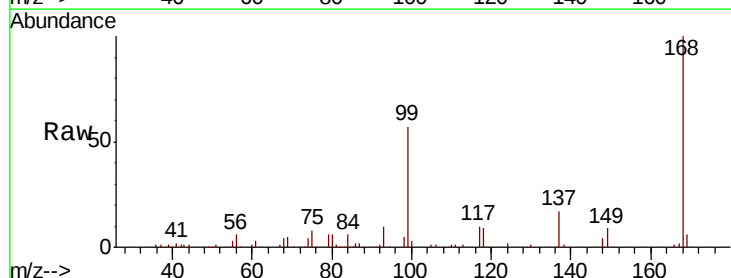
Instrument :
MSVOA_N
ClientSampleId :
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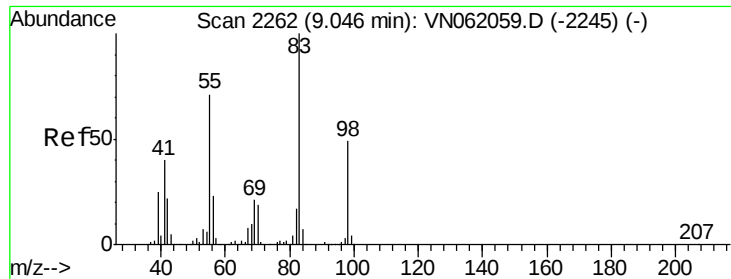
Tot Ion: 43 Resp: 8183
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 5.624 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 117 Resp: 23919
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 25.8 38.6#

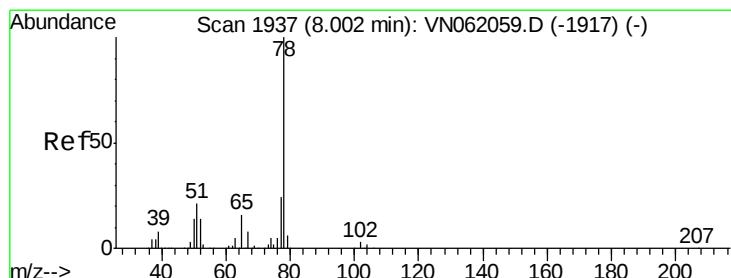
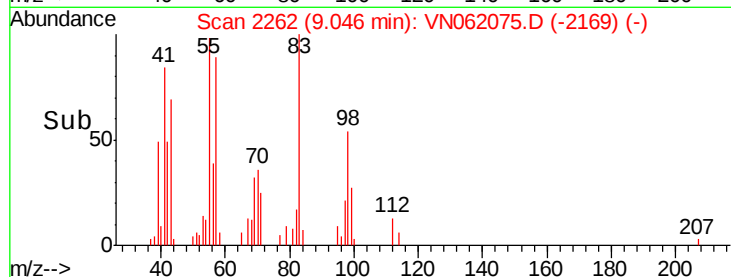
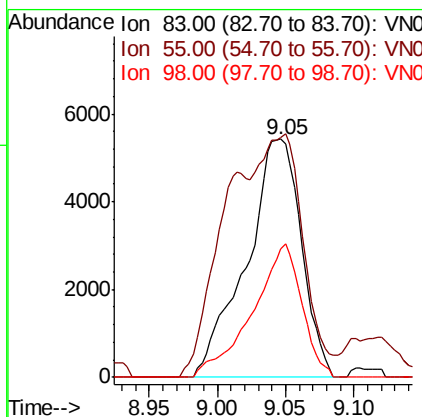
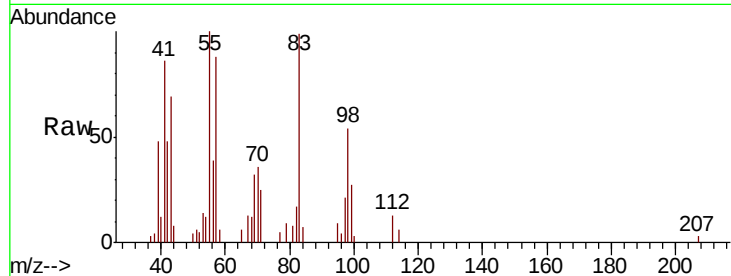




#39
Methvlcvclohexane
Concen: 3.078 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

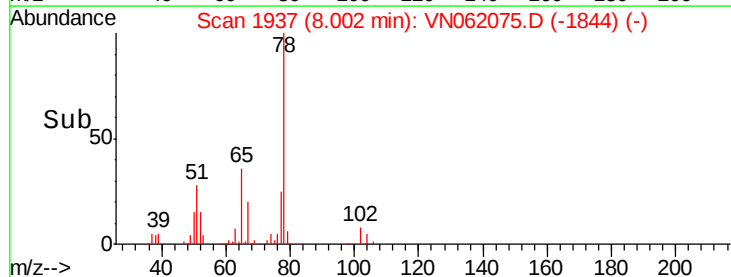
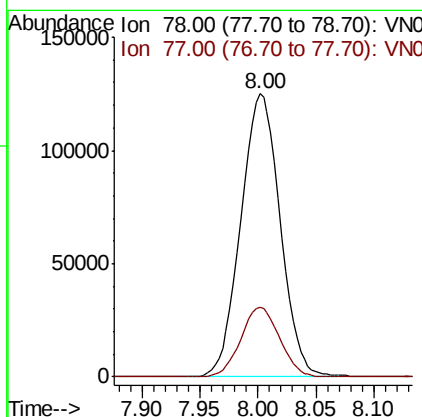
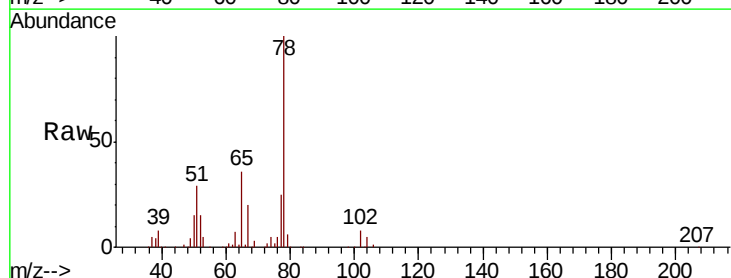
Instrument :
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ClientSampled :
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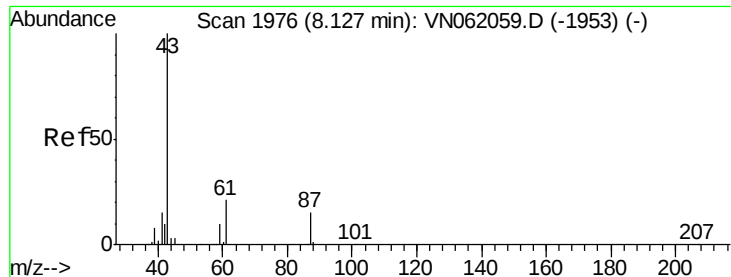
Tot Ion: 83 Resp: 15213
Ion Ratio Lower Upper
83 100
55 95.2 57.0 85.6#
98 54.1 39.0 58.6



#40
Benzene
Concen: 21.546 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 78 Resp: 296235
Ion Ratio Lower Upper
78 100
77 24.8 19.5 29.3

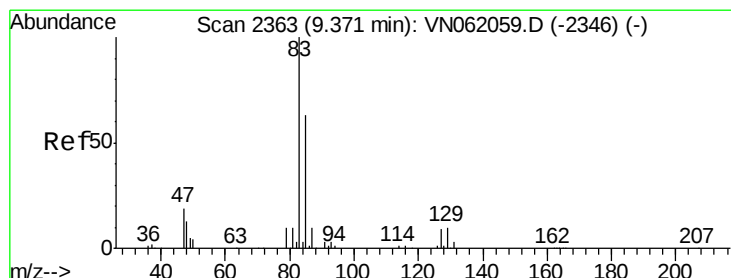
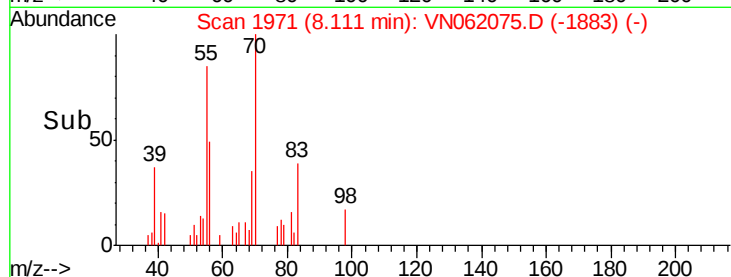
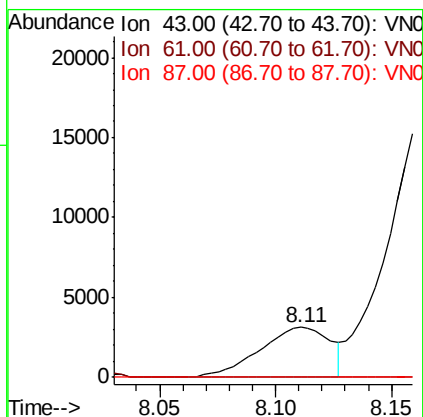
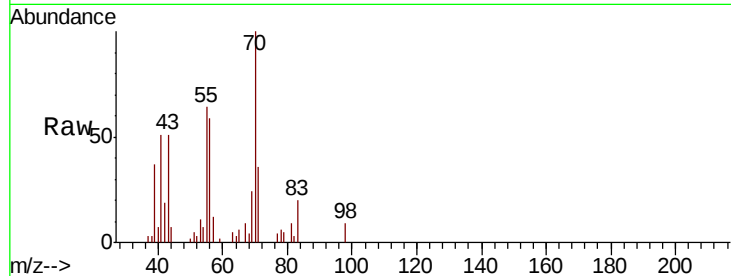




#43
Isopropyl Acetate
Concen: 1.090 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.02 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

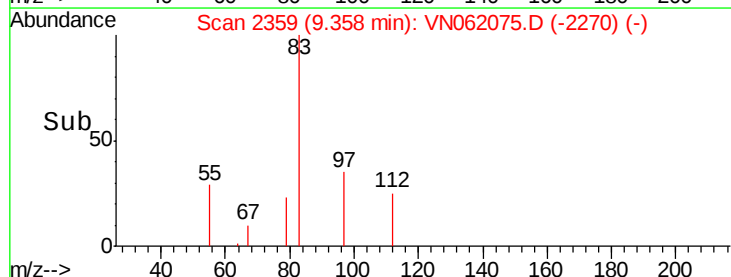
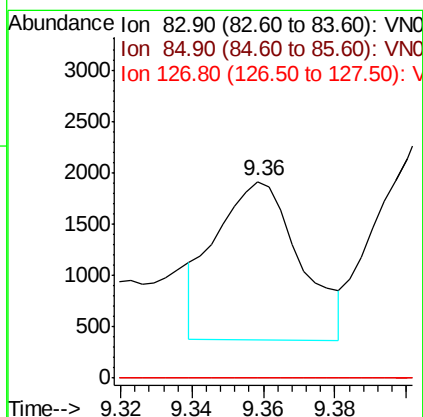
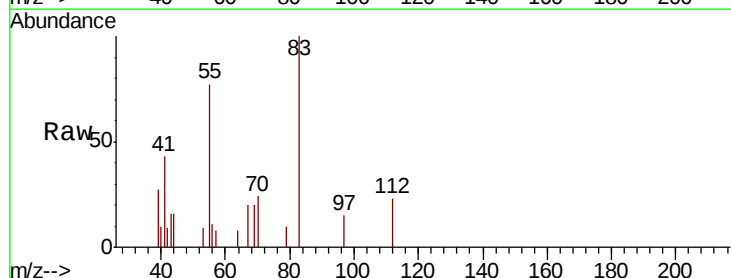
Instrument :
MSVOA_N
ClientSampleId :
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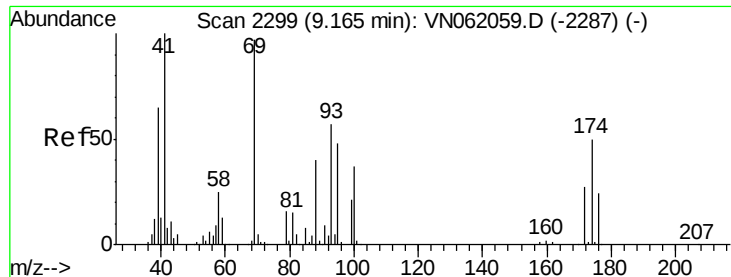
Tot Ion: 43 Resp: 6640
Ion Ratio Lower Upper
43 100
61 0.0 17.2 25.8#
87 0.0 12.1 18.1#



#47
Bromodichloromethane
Concen: 0.543 ug/l
RT: 9.36 min Scan# 2359
Delta R.T. -0.01 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 83 Resp: 2520
Ion Ratio Lower Upper
83 100
85 0.0 50.3 75.5#
127 0.0 6.9 10.3#

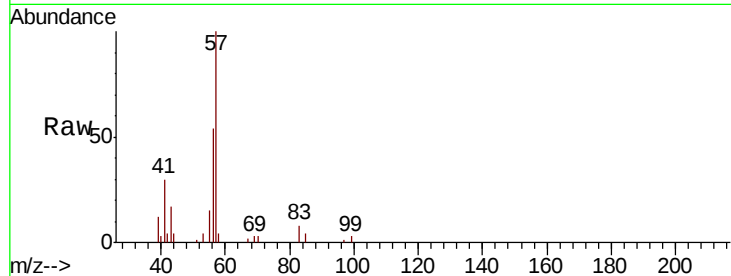




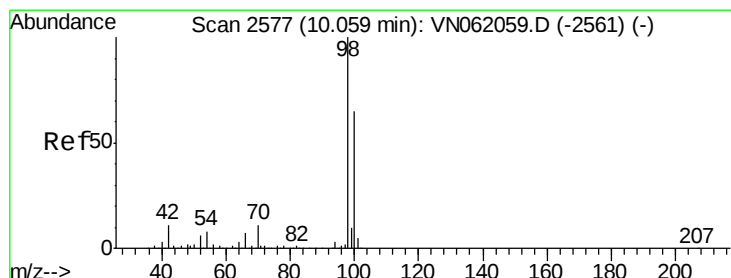
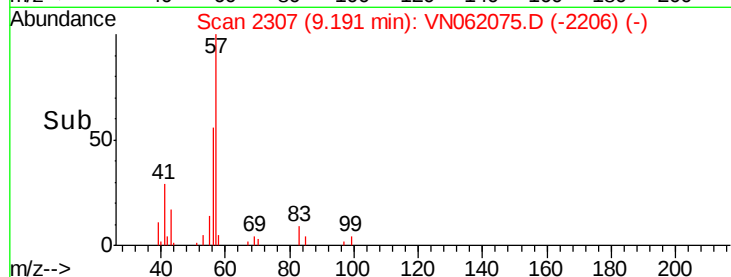
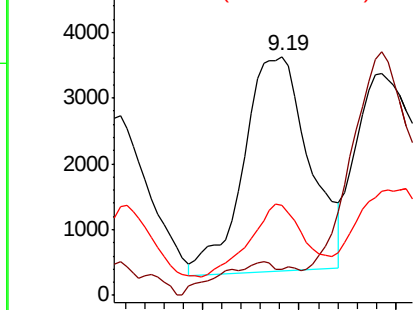
#48
Methvl methacrylate
Concen: 2.831 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.03 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampled :
TW-13

Tot Ion: 41 Resp: 7730
Ion Ratio Lower Upper
41 100
69 14.0 80.7 121.1#
39 28.4 54.5 81.7#

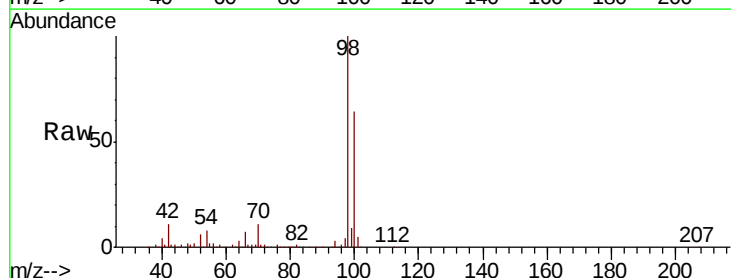


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

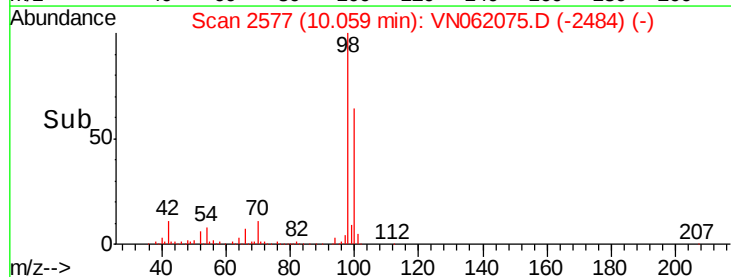
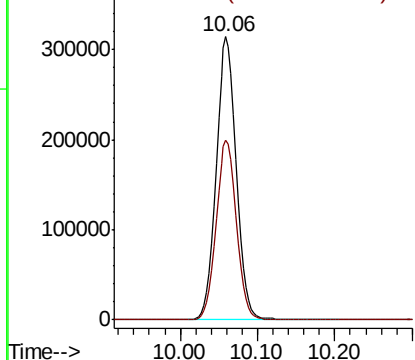


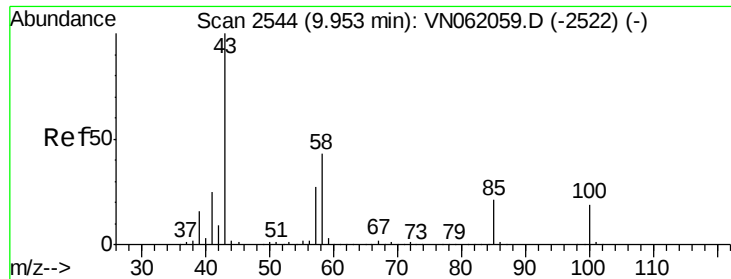
#50
Toluene-d8
Concen: 49.712 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 98 Resp: 572122
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8



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

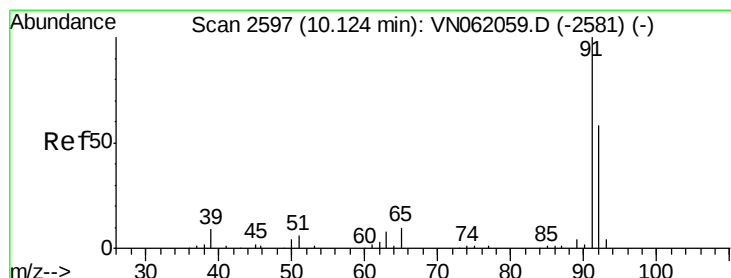
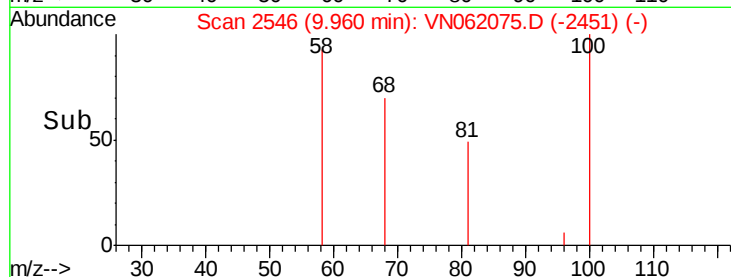
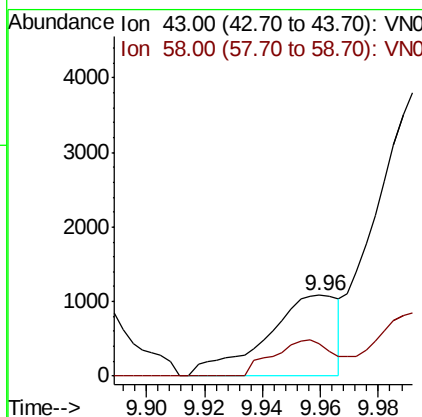
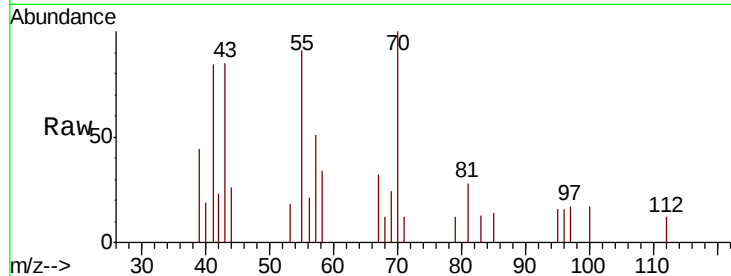




#51
4-Methyl-2-Pentanone
Concen: 0.529 ug/l
RT: 9.96 min Scan# 2546
Delta R.T. 0.01 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

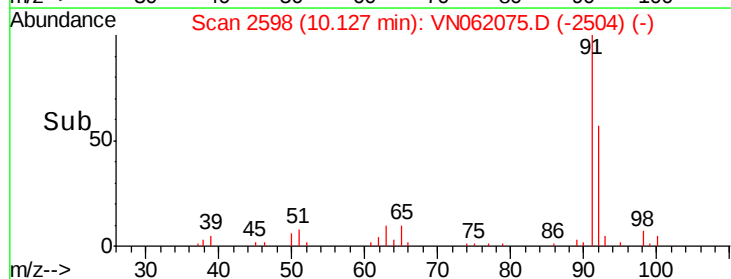
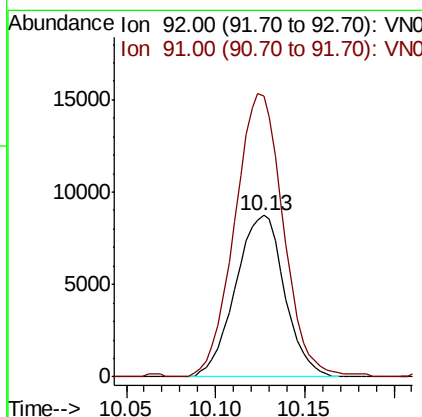
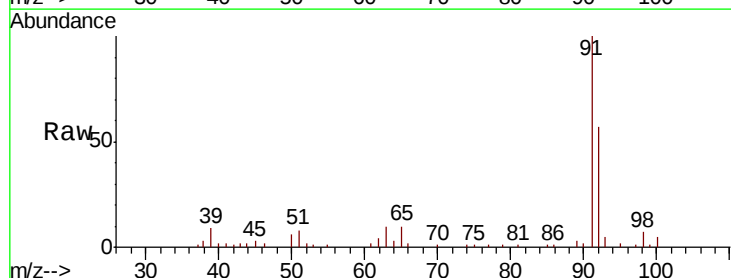
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MSVOA_N
ClientSampled :
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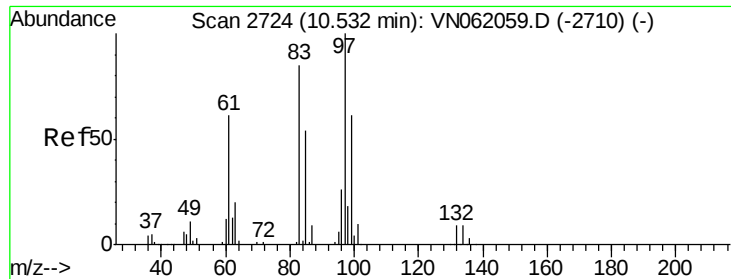
Tot Ion: 43 Resp: 1882
Ion Ratio Lower Upper
43 100
58 37.8 34.2 51.2



#52
Toluene
Concen: 1.994 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 92 Resp: 16728
Ion Ratio Lower Upper
92 100
91 173.4 137.4 206.0

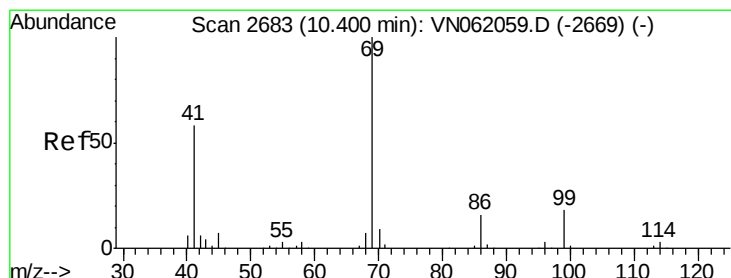
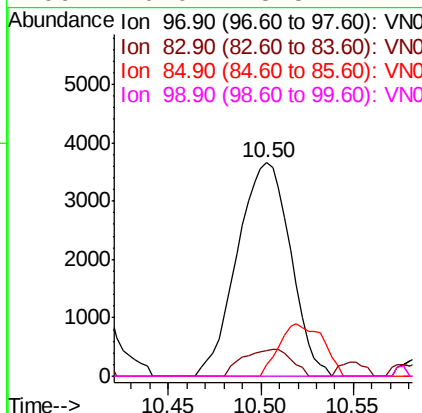
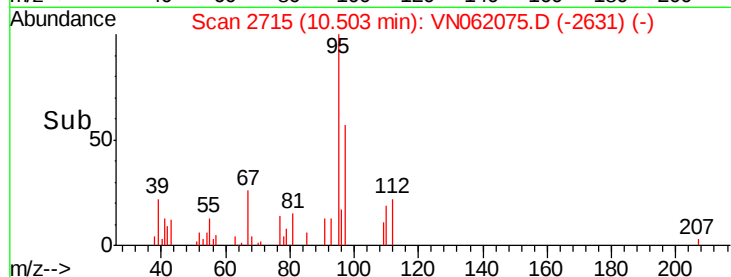
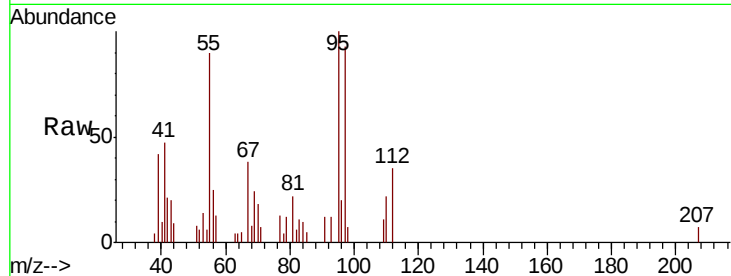




#55
 1,1,2-Trichloroethane
 Concen: 2.216 ug/l
 RT: 10.50 min Scan# 2715
 Delta R.T. -0.03 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

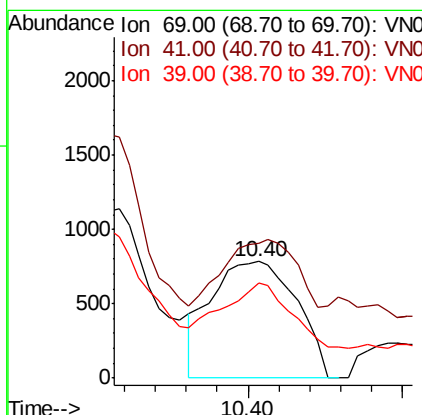
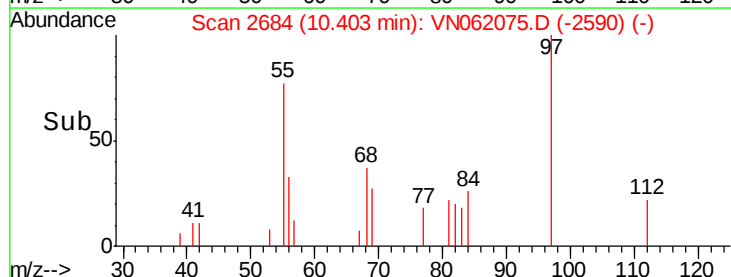
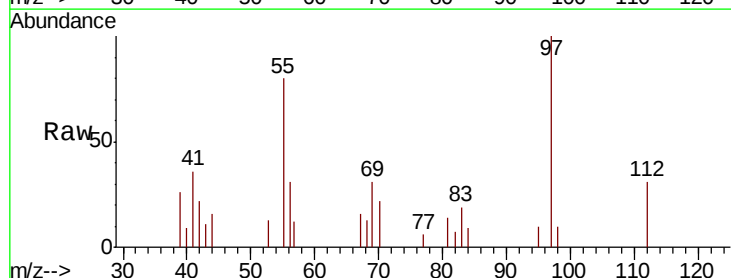
Instrument :
 MSVOA_N
 ClientSampled :
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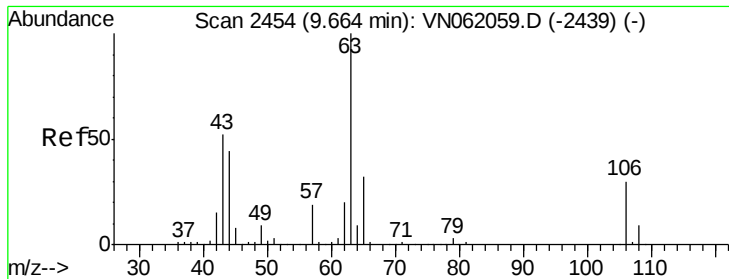
Tot Ion: 97 Resp: 7308
 Ion Ratio Lower Upper
 97 100
 83 12.1 68.2 102.2#
 85 5.6 43.2 64.8#
 99 0.0 48.5 72.7#



#56
 Ethyl methacrylate
 Concen: 0.342 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Tgt Ion: 69 Resp: 1506
 Ion Ratio Lower Upper
 69 100
 41 49.9 46.6 70.0
 39 44.8 31.0 46.4

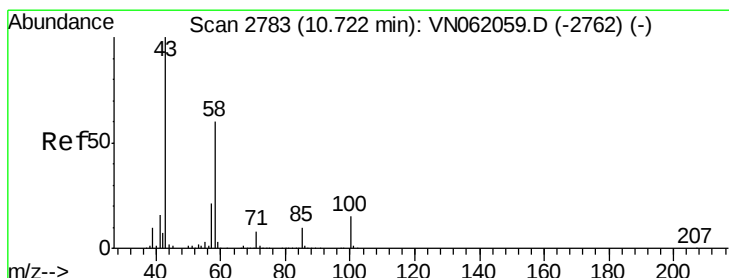
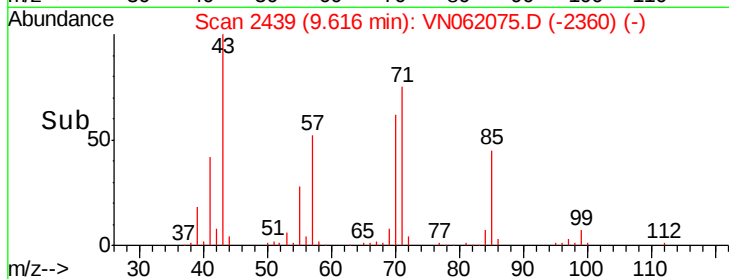
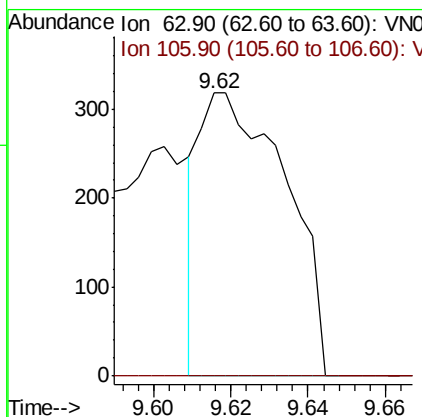
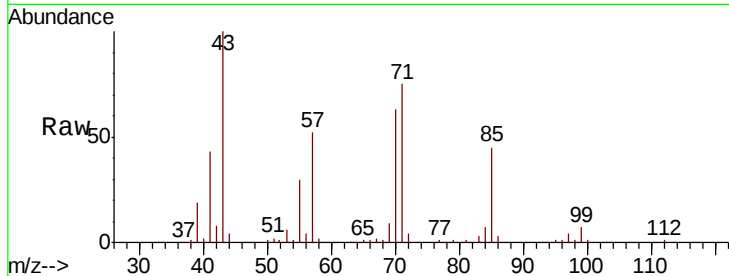




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.348 ug/l
 RT: 9.62 min Scan# 2439
 Delta R.T. -0.05 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

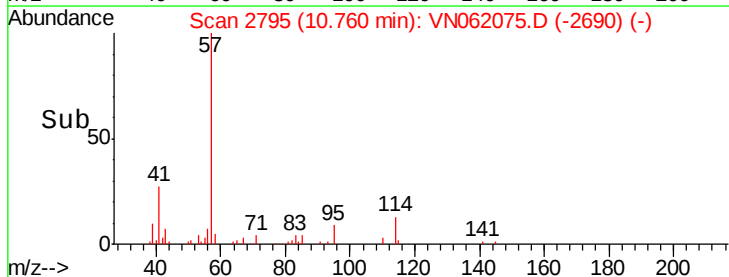
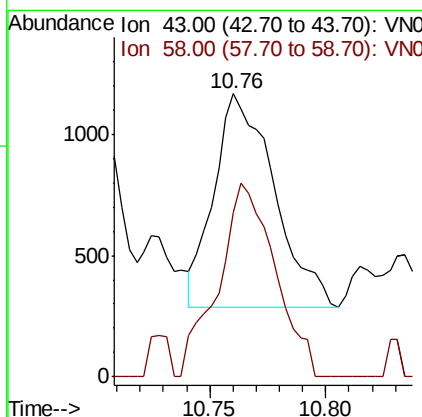
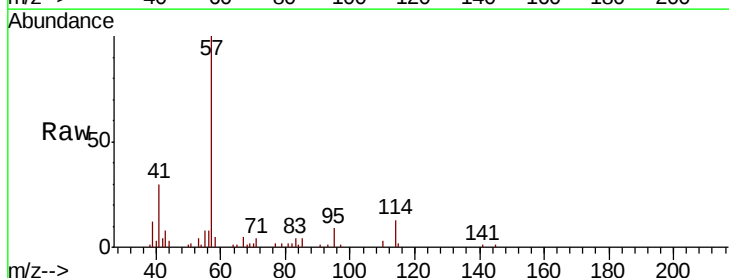
Instrument :
 MSVOA_N
 ClientSampled :
 TW-13

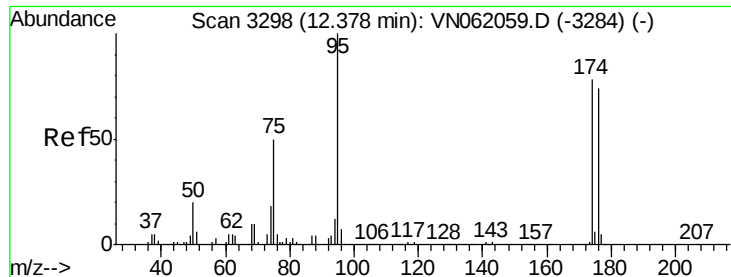
Tot Ion: 63 Resp: 492
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.2 34.8#



#59
 2-Hexanone
 Concen: 0.619 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.04 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Tgt Ion: 43 Resp: 1591
 Ion Ratio Lower Upper
 43 100
 58 85.2 29.5 88.5

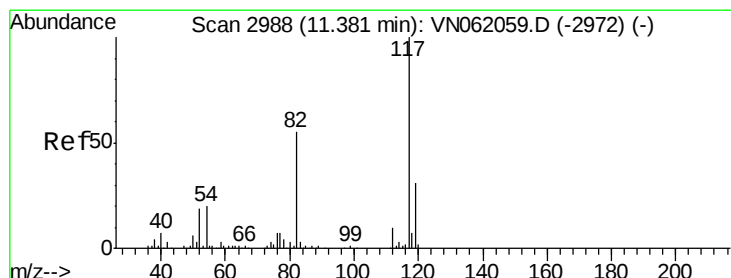
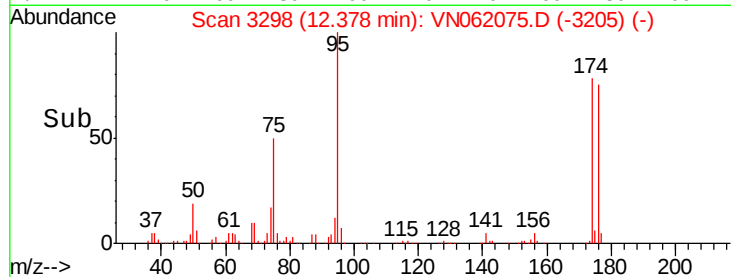
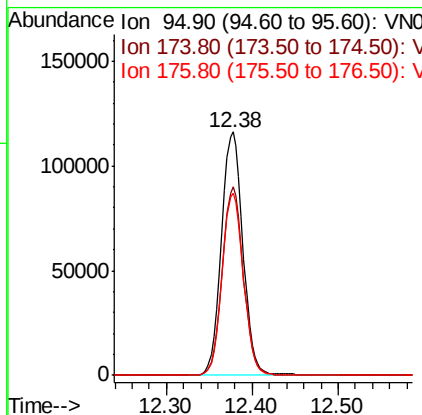
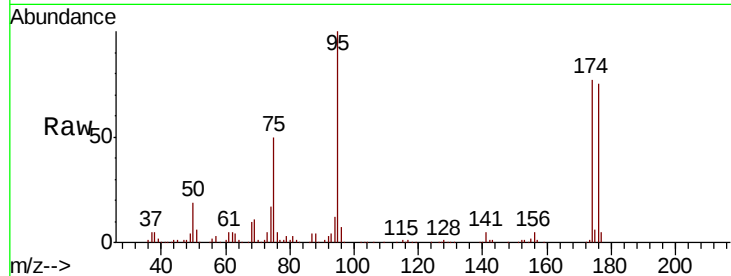




#62
 4-Bromofluorobenzene
 Concen: 52.293 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

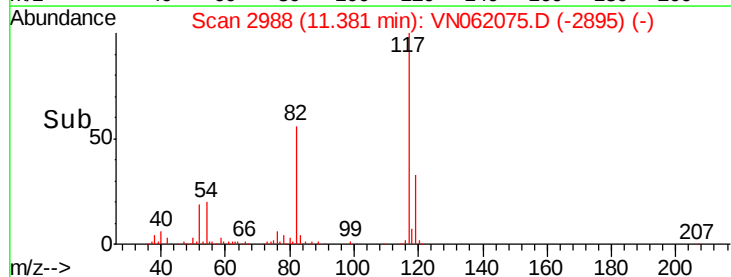
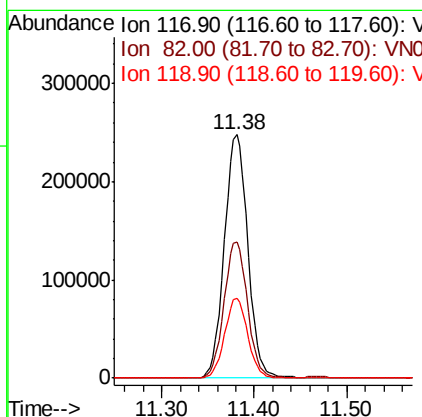
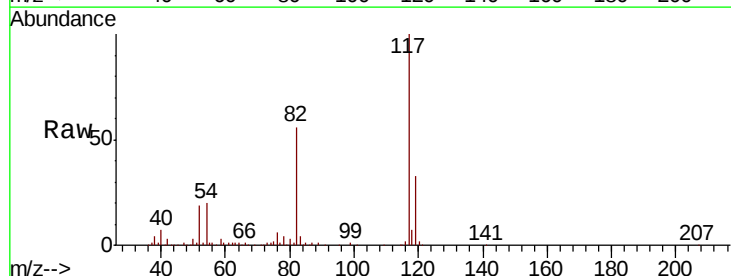
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-13

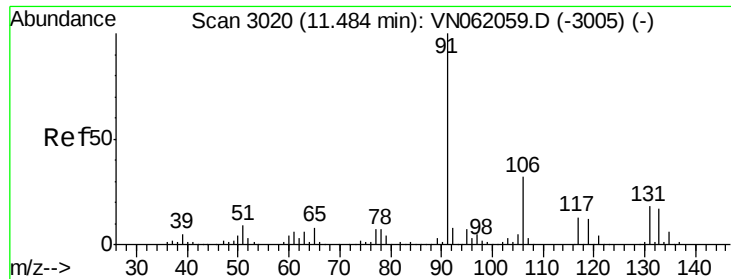
Tot Ion	95	Resp	203331
Ion Ratio	Lower	Upper	
95	100		
174	75.8	0.0	154.8
176	73.5	0.0	147.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Tgt Ion	117	Resp	434331
Ion Ratio	Lower	Upper	
117	100		
82	56.1	43.8	65.8
119	33.0	25.2	37.8

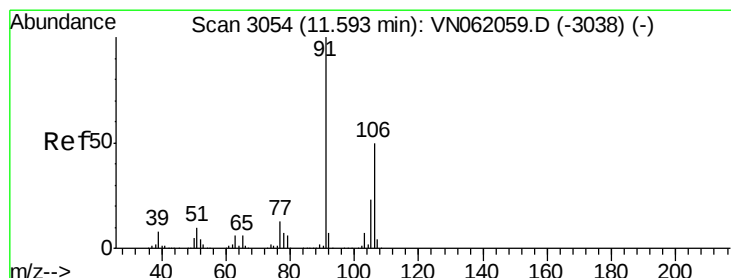
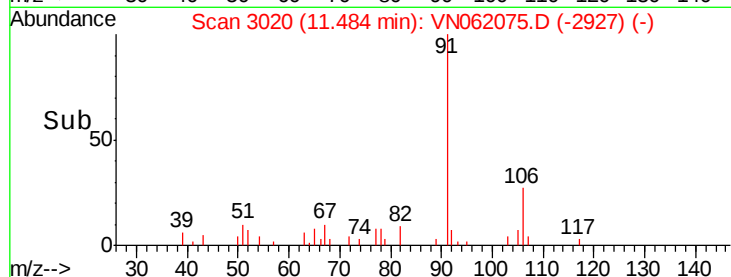
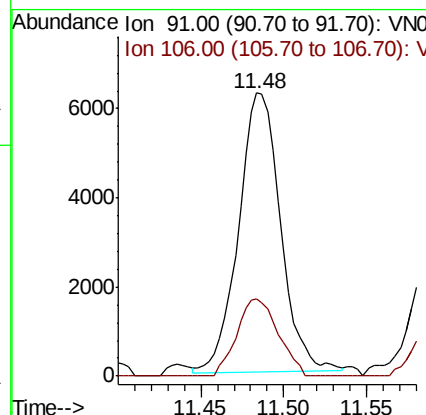
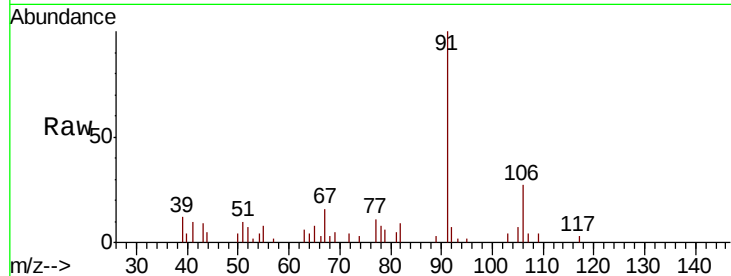




#67
Ethyl Benzene
Concen: 0.686 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

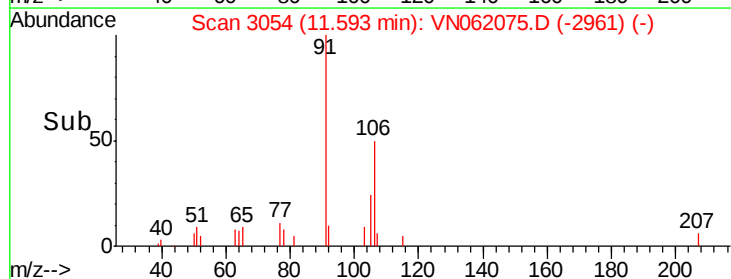
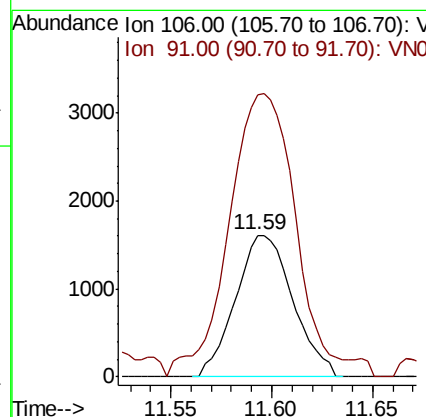
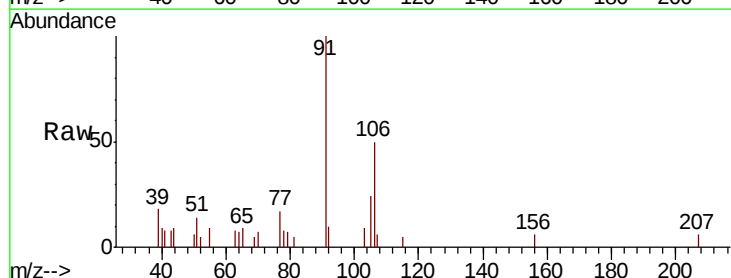
Instrument :
MSVOA_N
ClientSampled :
TW-13

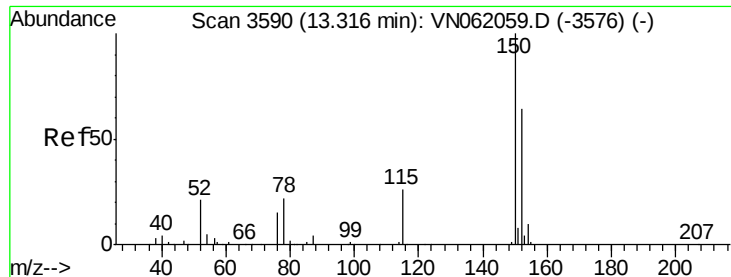
Tot Ion: 91 Resp: 11044
Ion Ratio Lower Upper
91 100
106 28.2 25.3 37.9



#68
m/p-Xylenes
Concen: 0.513 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 106 Resp: 3197
Ion Ratio Lower Upper
106 100
91 231.1 157.8 236.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampleId :

TW-13

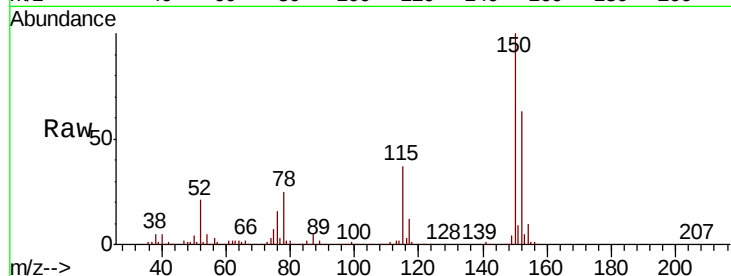
Tot Ion:152 Resp: 184917

Ion Ratio Lower Upper

152 100

115 59.6 29.5 88.5

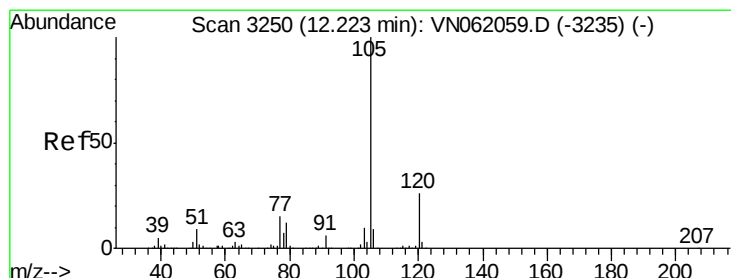
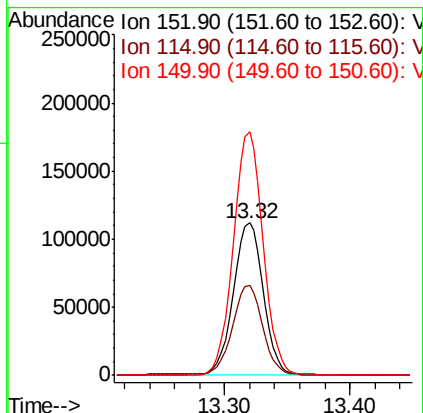
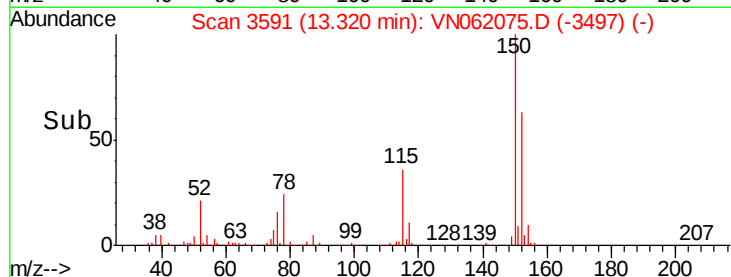
150 159.5 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 19.509 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062075.D

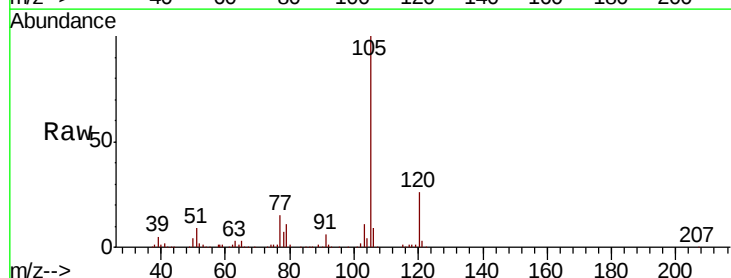
Acq: 24 Jun 2020 20:13

Tgt Ion:105 Resp: 279256

Ion Ratio Lower Upper

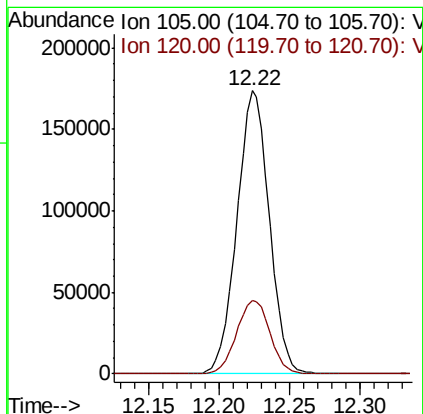
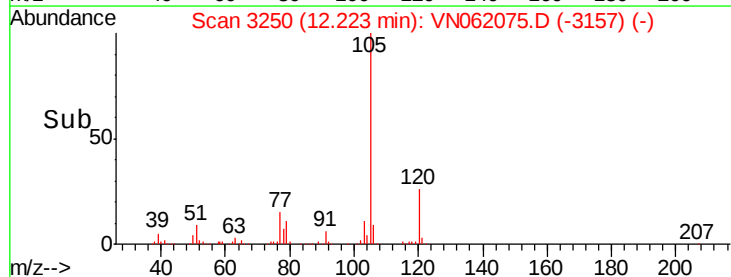
105 100

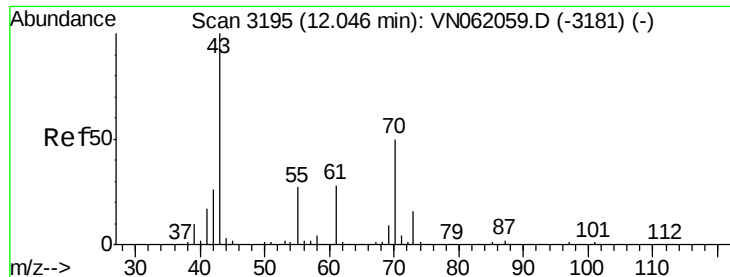
120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.356 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

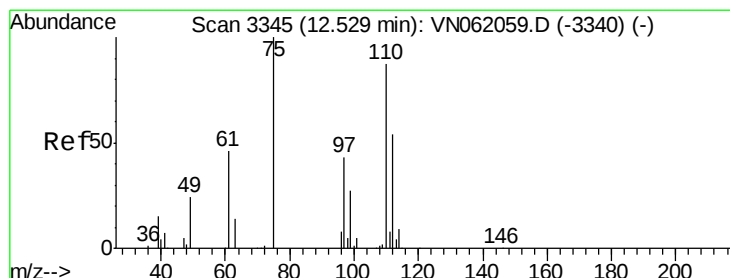
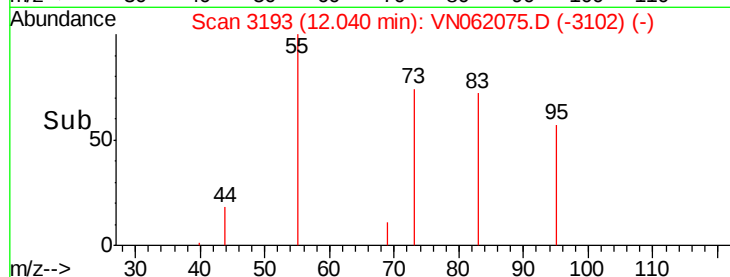
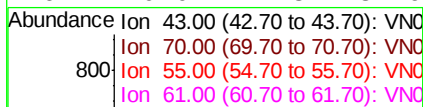
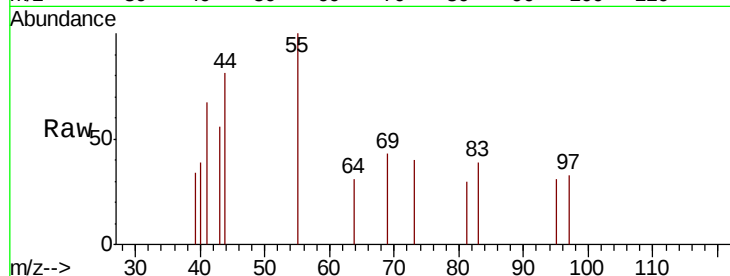
MSVOA_N

ClientSampled :

TW-13

Tot Ion: 43 Resp: 70

Ion	Ratio	Lower	Upper
43	100		
70	100.0	39.4	59.2#
55	334.3	21.7	32.5#
61	0.0	21.3	31.9#



#76

1,2,3-Trichloropropane

Concen: 23.276 ug/l

RT: 12.37 min Scan# 3297

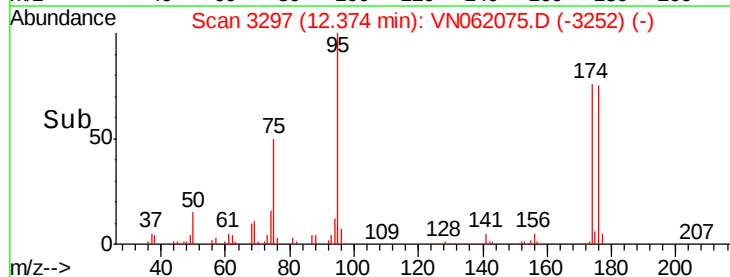
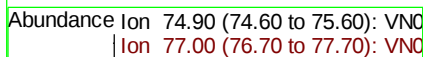
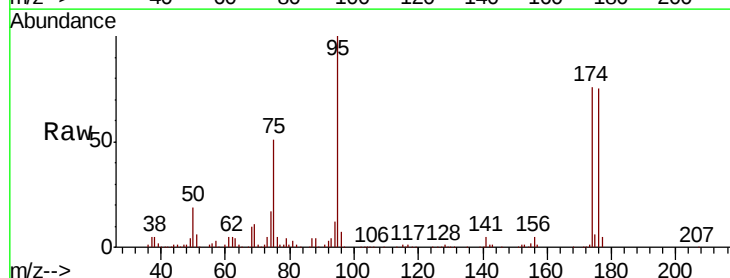
Delta R.T. -0.15 min

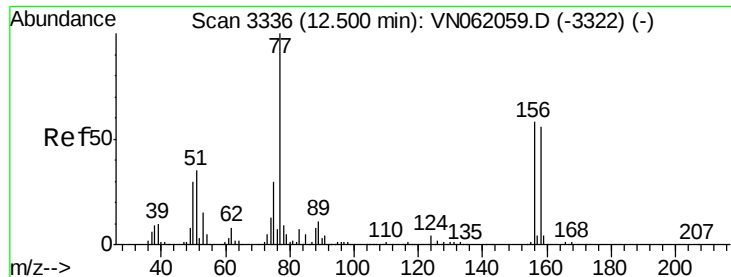
Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Tgt Ion: 75 Resp: 101324

Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#





#77

Bromobenzene

Concen: 30.461 ug/l

RT: 12.46 min Scan# 3324

Delta R.T. -0.04 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampleId :

TW-13

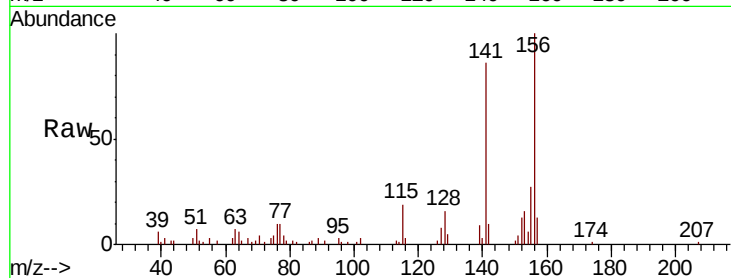
Tot Ion:156 Resp: 108250

Ion Ratio Lower Upper

156 100

77 0.0 104.6 313.8#

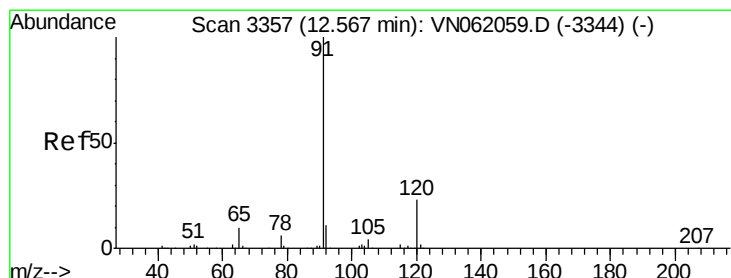
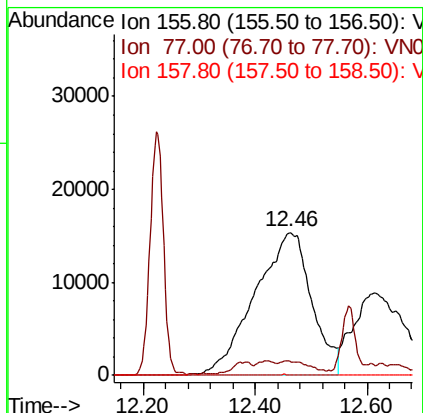
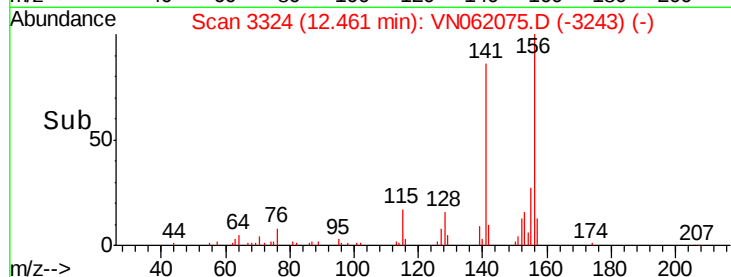
158 0.0 48.0 144.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.117 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062075.D

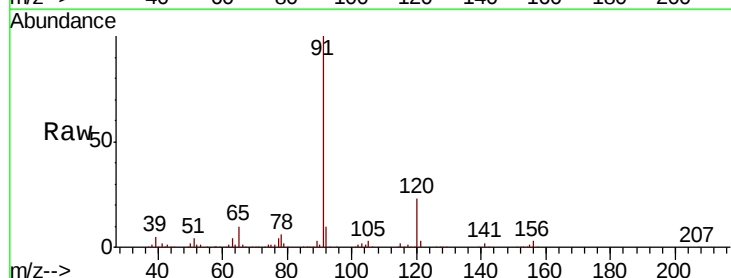
Acq: 24 Jun 2020 20:13

Tgt Ion: 91 Resp: 280258

Ion Ratio Lower Upper

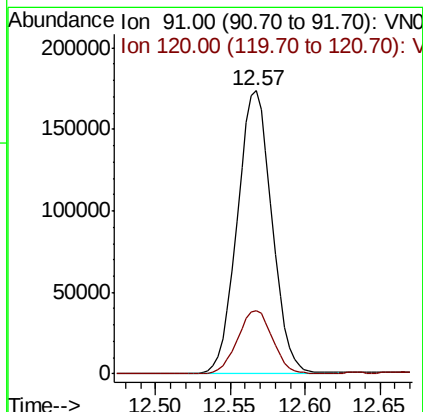
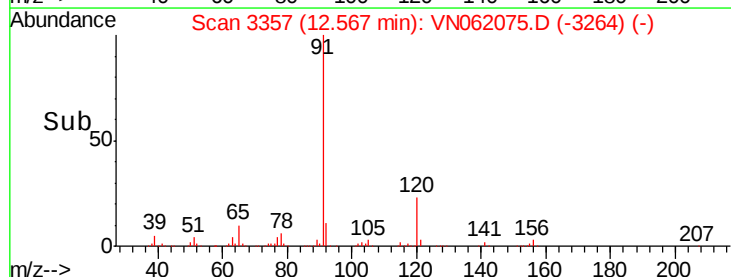
91 100

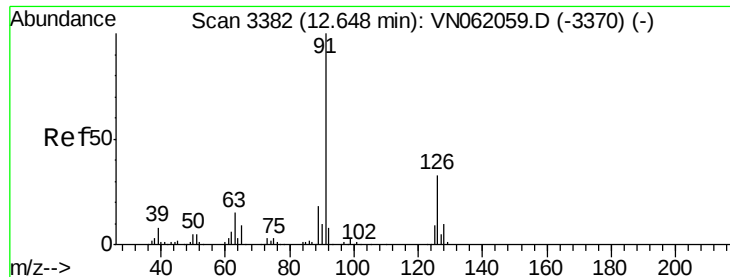
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

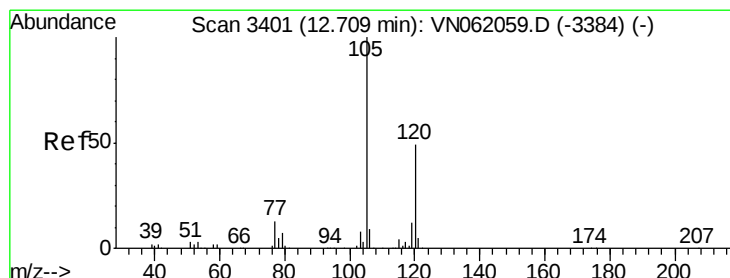
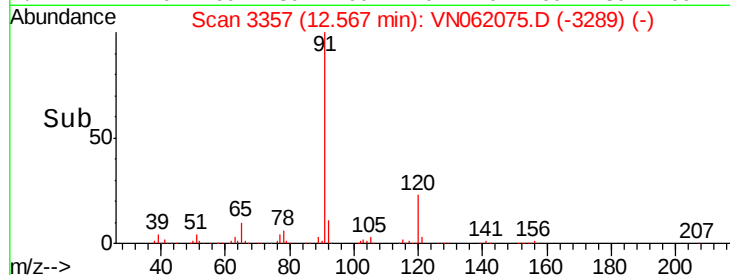
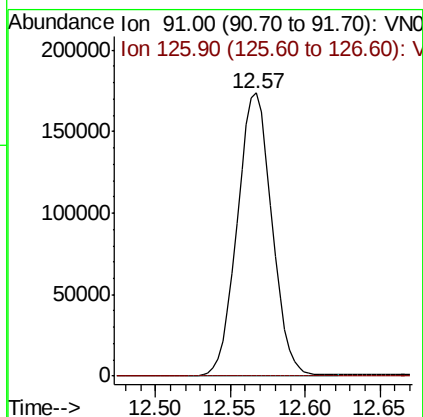
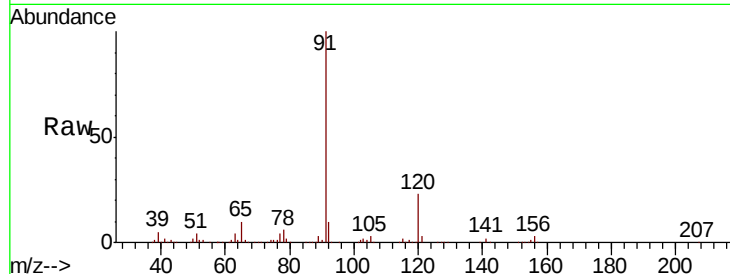




#79
 2-Chlorotoluene
 Concen: 28.314 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.08 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

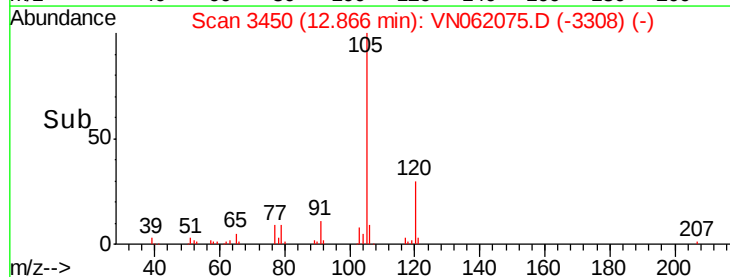
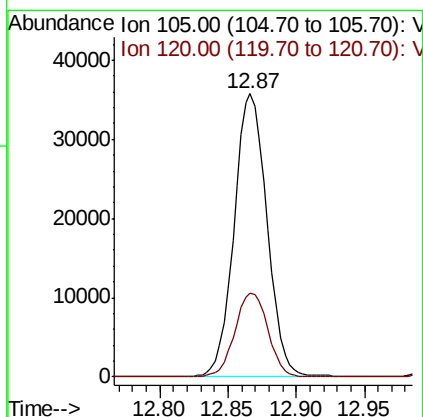
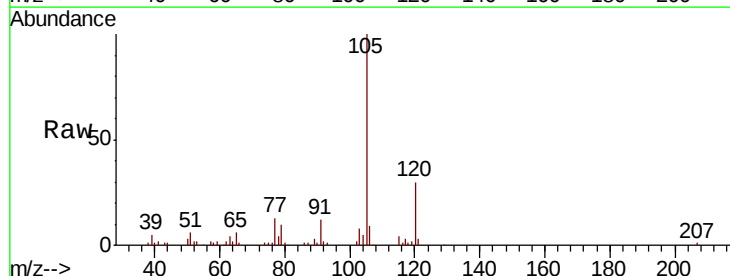
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-13

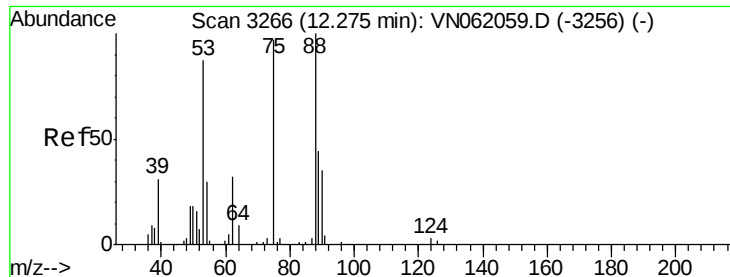
Tot Ion: 91 Resp: 280258
 Ion Ratio Lower Upper
 91 100
 126 0.1 16.9 50.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 5.152 ug/l
 RT: 12.87 min Scan# 3450
 Delta R.T. 0.16 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Tgt Ion: 105 Resp: 59779
 Ion Ratio Lower Upper
 105 100
 120 29.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 2.198 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.05 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampled :

TW-13

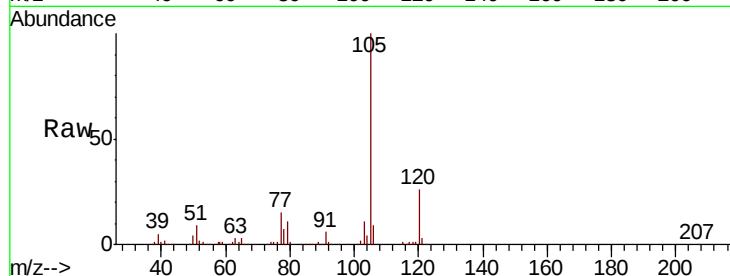
Tot Ion: 75 Resp: 3277

Ion Ratio Lower Upper

75 100

53 114.8 72.0 108.0#

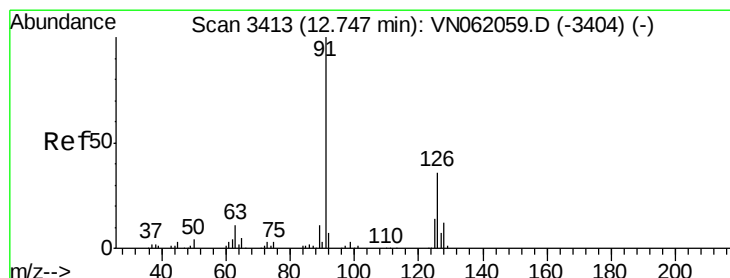
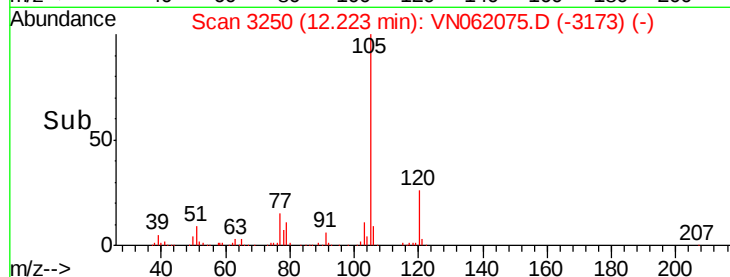
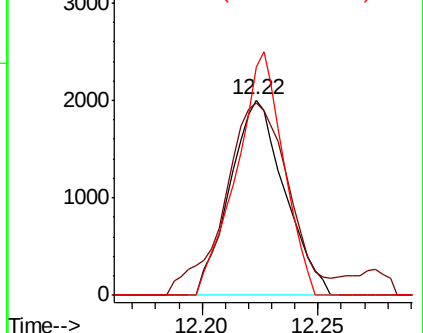
89 107.1 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 27.380 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.18 min

Lab File: VN062075.D

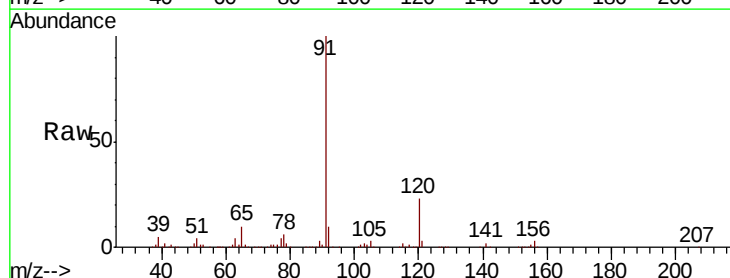
Acq: 24 Jun 2020 20:13

Tgt Ion: 91 Resp: 280258

Ion Ratio Lower Upper

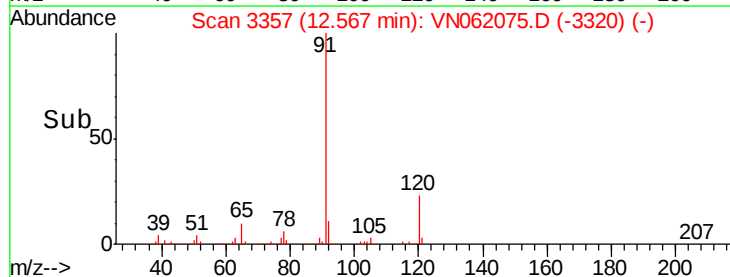
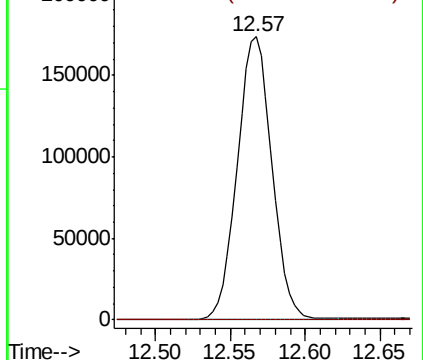
91 100

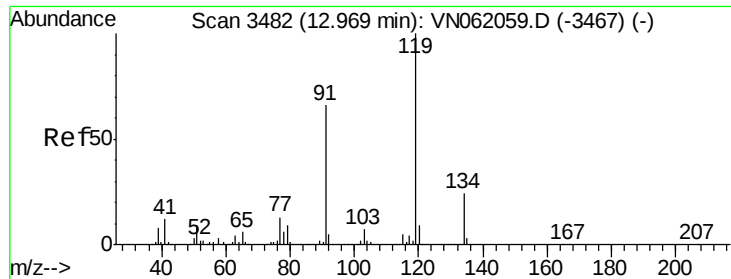
126 0.1 16.7 50.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

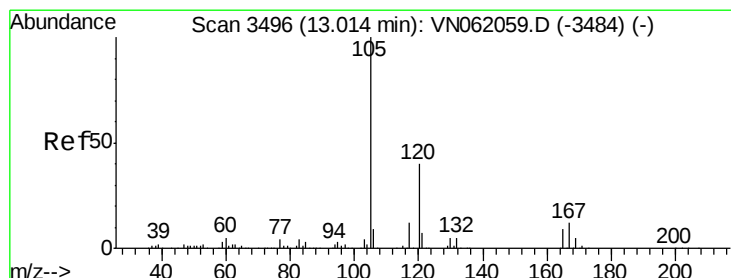
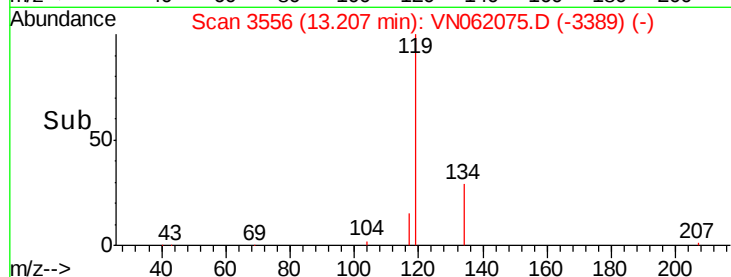
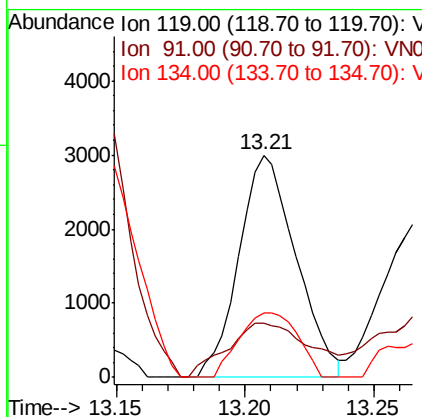
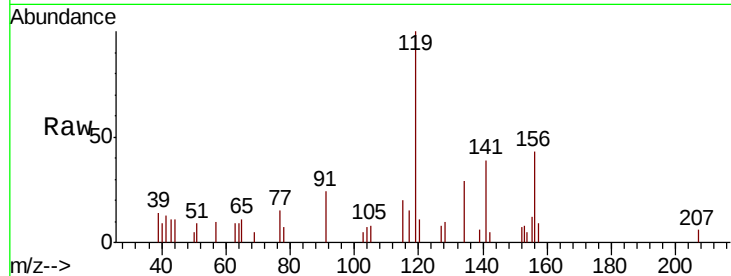




#83
tert-Butylbenzene
Concen: 0.466 ug/l
RT: 13.21 min Scan# 3556
Delta R.T. 0.24 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

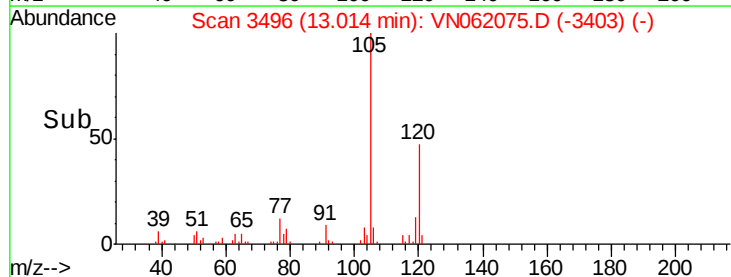
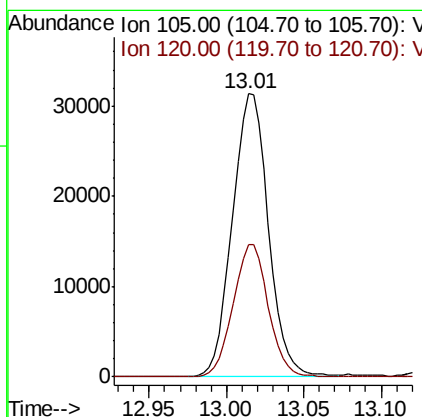
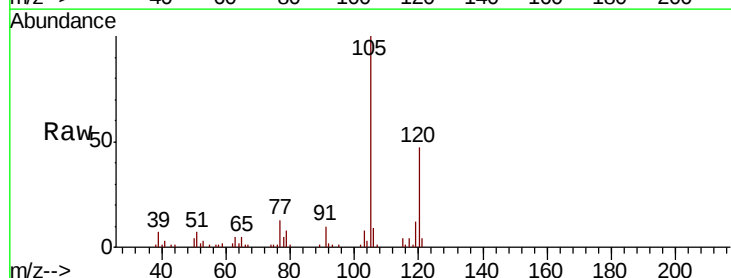
Instrument :
MSVOA_N
ClientSampleId :
TW-13

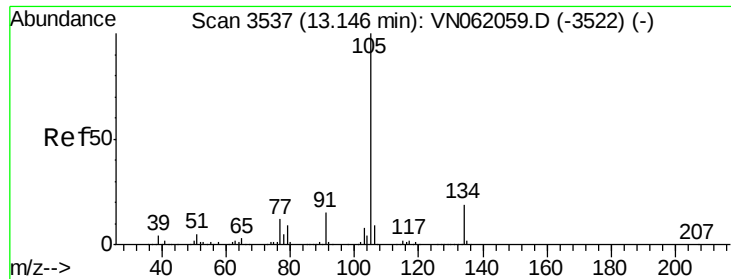
Tot Ion:119 Resp: 4631
Ion Ratio Lower Upper
119 100
91 35.2 31.7 95.1
134 29.6 13.1 39.1



#84
1,2,4-Trimethylbenzene
Concen: 4.381 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion:105 Resp: 50774
Ion Ratio Lower Upper
105 100
120 45.3 23.2 69.5





#85

sec-Butylbenzene

Concen: 1.510 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampled :

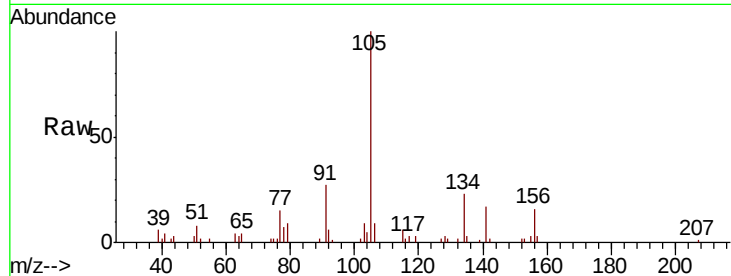
TW-13

Tot Ion:105 Resp: 19813

Ion Ratio Lower Upper

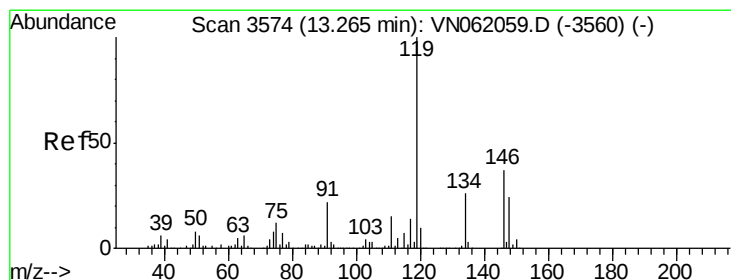
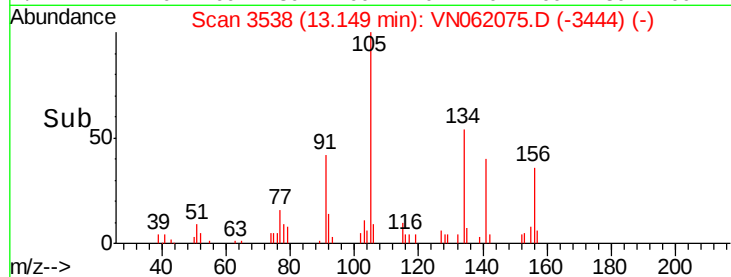
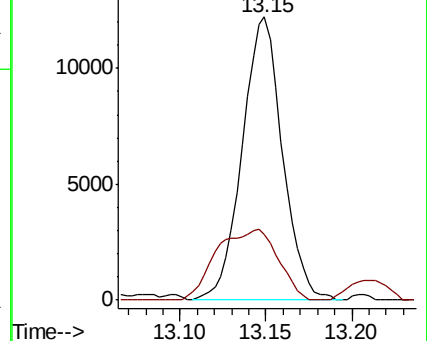
105 100

134 38.3 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.295 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

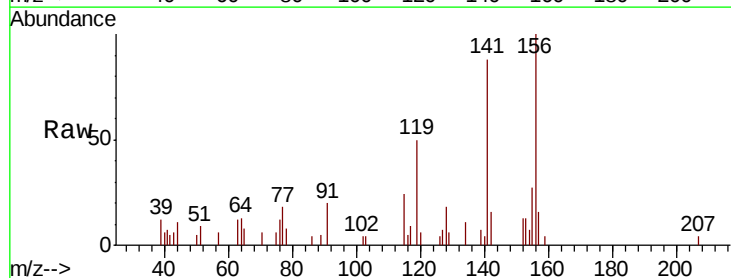
Tgt Ion:119 Resp: 3389

Ion Ratio Lower Upper

119 100

134 20.7 13.0 39.0

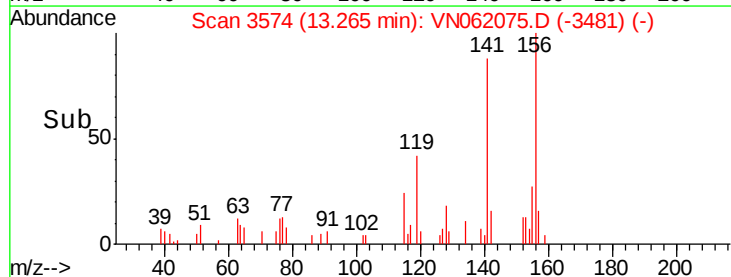
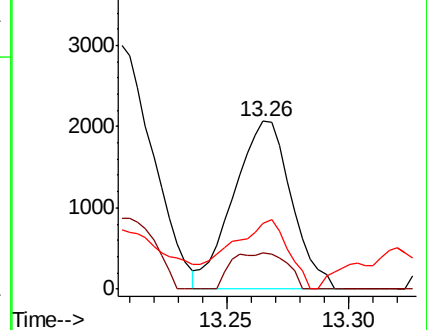
91 41.1 11.3 33.8#

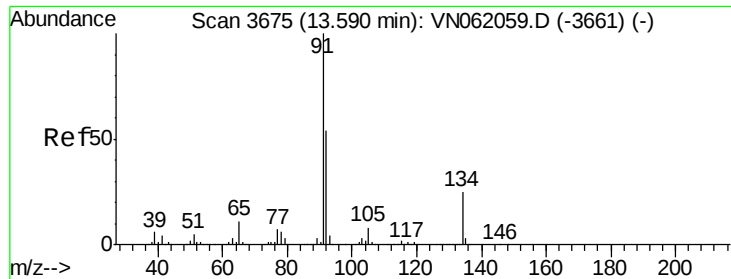


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

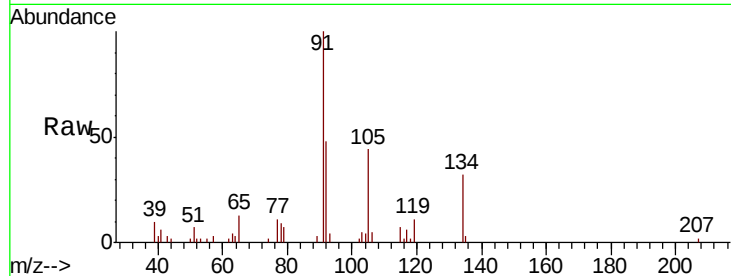




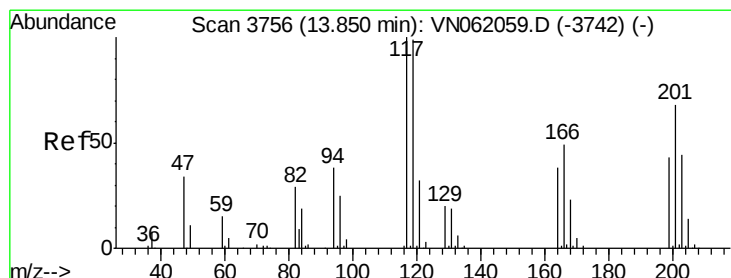
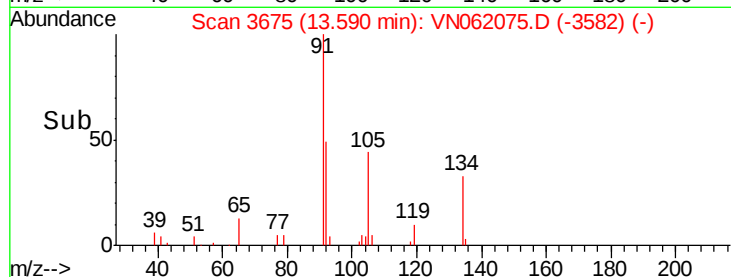
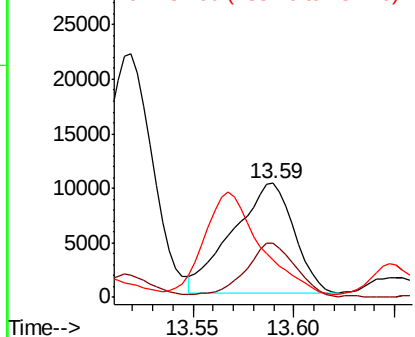
#89
n-Butylbenzene
Concen: 2.218 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampled :
TW-13

Tot Ion: 91 Resp: 21203
Ion Ratio Lower Upper
91 100
92 41.5 26.6 79.7
134 0.0 12.3 36.9#

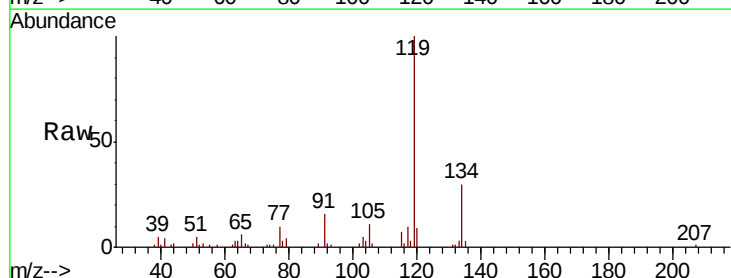


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

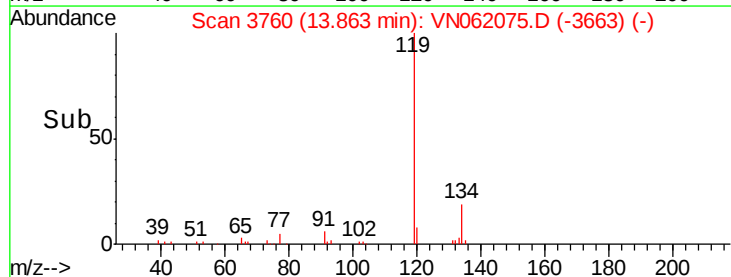
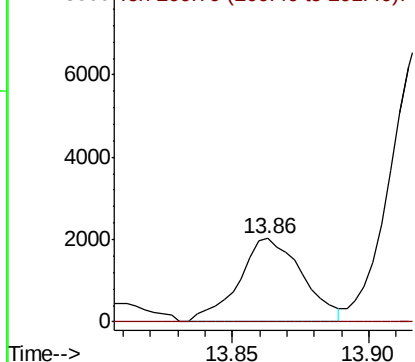


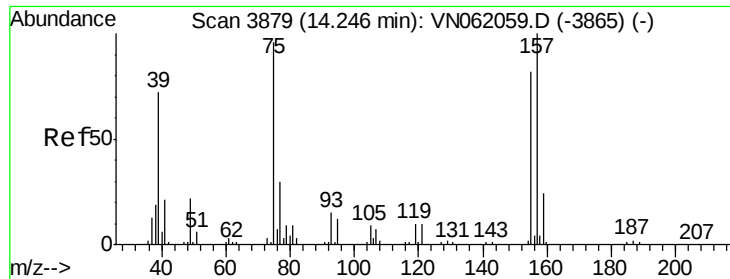
#90
Hexachloroethane
Concen: 1.463 ug/l
RT: 13.86 min Scan# 3760
Delta R.T. 0.01 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 117 Resp: 3299
Ion Ratio Lower Upper
117 100
201 0.0 32.7 98.1#



Abundance Ion 116.80 (116.50 to 117.50): VN0
Ion 200.70 (200.40 to 201.40): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.303 ug/l

RT: 14.22 min Scan# 3872

Delta R.T. -0.02 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampleId :

TW-13

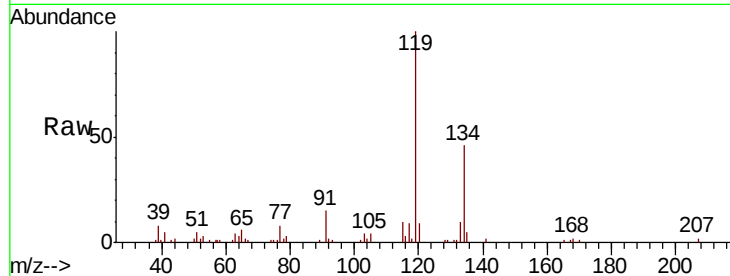
Tot Ion: 75 Resp: 231

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.4#

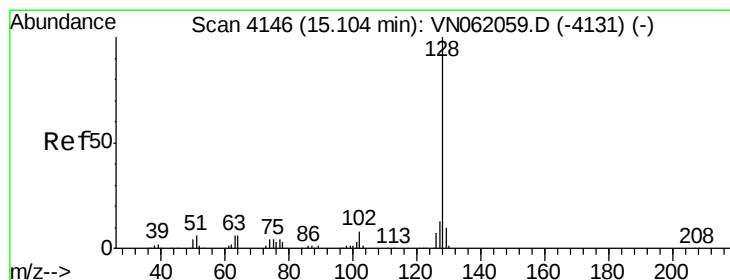
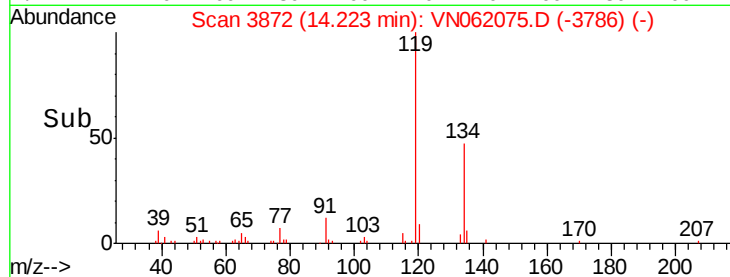
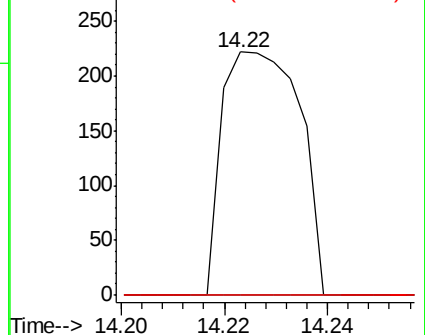
157 0.0 51.4 154.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3865) (-)

Ion 154.80 (154.50 to 155.50): VN062059.D (-3865) (-)

Ion 156.80 (156.50 to 157.50): VN062059.D (-3865) (-)



#95

Naphthalene

Concen: 5.932 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

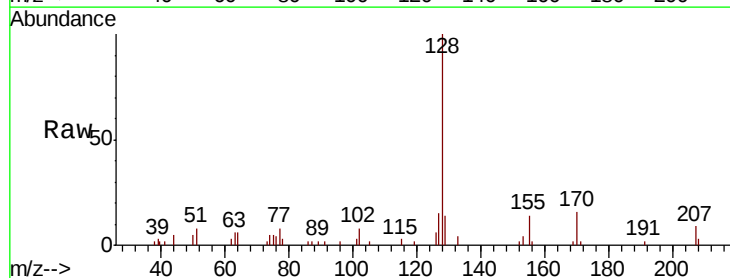
Tgt Ion: 128 Resp: 18559

Ion Ratio Lower Upper

128 100

127 14.4 10.5 15.7

129 12.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN062059.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN062059.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN062059.D (-4131) (-)

