

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060944.D
 Acq On : 14 Apr 2020 19:15
 Operator : JC/MD
 Sample : L2244-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-23-22-COMP

Quant Time: Apr 15 07:49:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	137564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	234756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	217466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98352	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	91723	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.56	113	69681	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.08	98	291073	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	108430	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

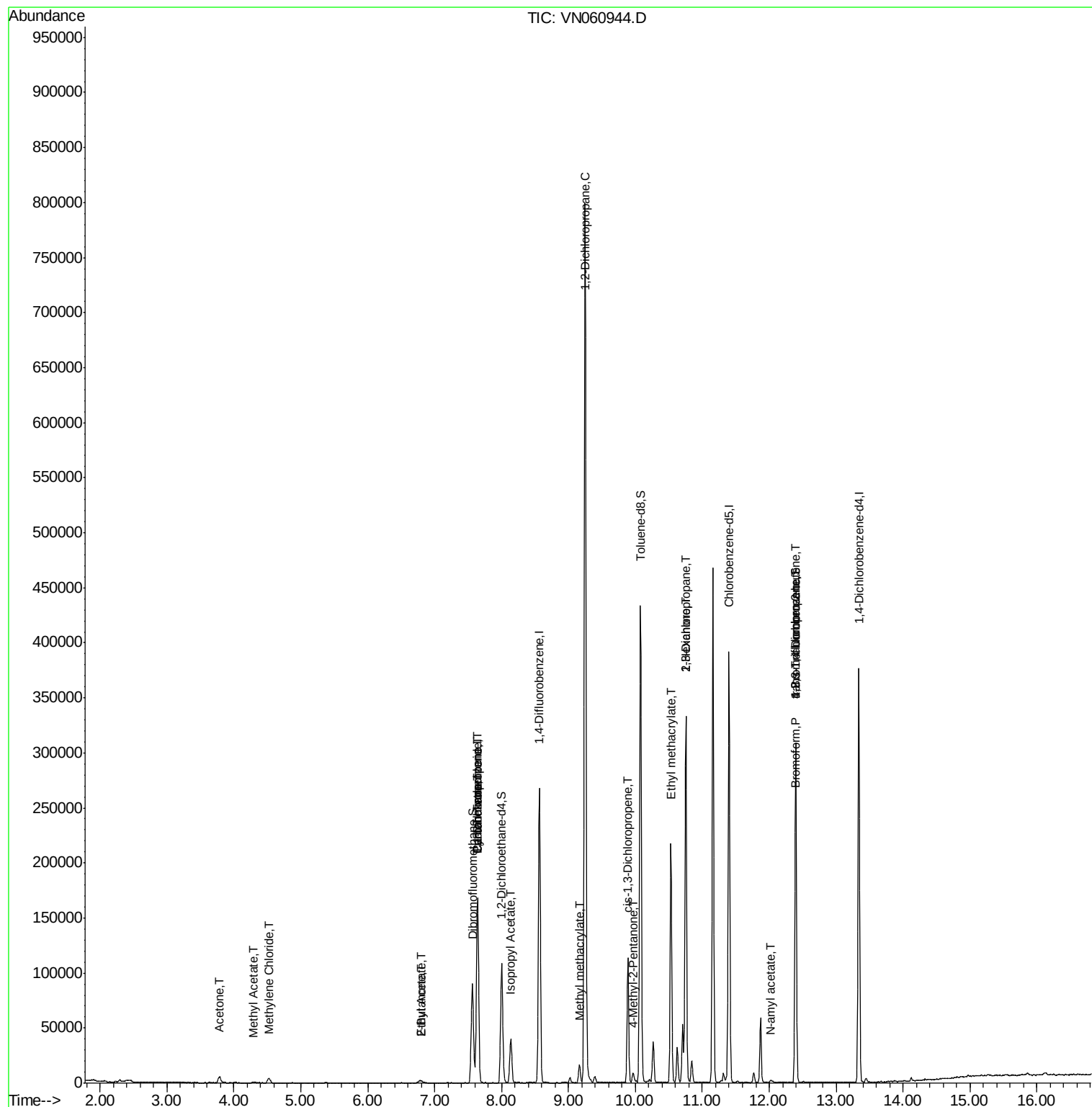
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	11146	16.663	ug/l	99
18) Methyl Acetate	4.29	43	1561	0.829	ug/l #	54
20) Methylene Chloride	4.53	84	3243	1.971	ug/l	95
25) 2-Butanone	6.80	43	3437	3.175	ug/l #	88
31) Cyclohexane	7.64	56	2997	0.985	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	10841	4.769	ug/l #	49
37) Ethyl Acetate	6.80	43	3437	1.399	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13519	6.636	ug/l #	16
43) Isopropyl Acetate	8.14	43	48221	11.904	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	880	0.486	ug/l #	43
48) Methyl methacrylate	9.16	41	2310	1.281	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	6332	2.747	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	19725	6.881	ug/l #	60
56) Ethyl methacrylate	10.53	69	504	0.203	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	3335	1.205	ug/l #	42
59) 2-Hexanone	10.75	43	48882	29.439	ug/l #	52
71) Bromoform	12.38	173	31	1.704	ug/l #	29
74) N-amyl acetate	12.02	43	2990	0.877	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	54978	25.906	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	54978	66.534	ug/l #	13

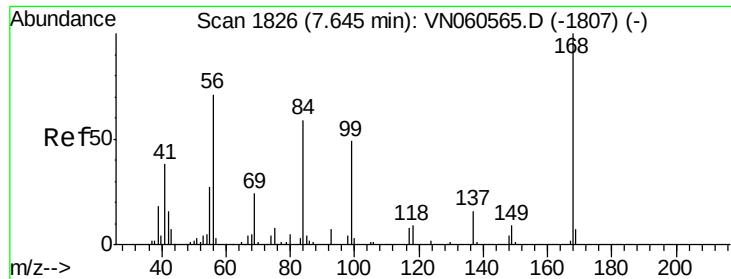
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060944.D

Acq: 14 Apr 2020 19:15

Instrument :

MSVOA_N

ClientSampleId :

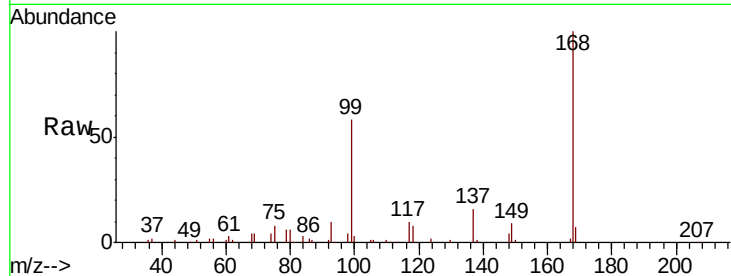
TP-23-22-COMP

Tot Ion:168 Resp: 137564

Ion Ratio Lower Upper

168 100

99 57.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)

7.64

60000

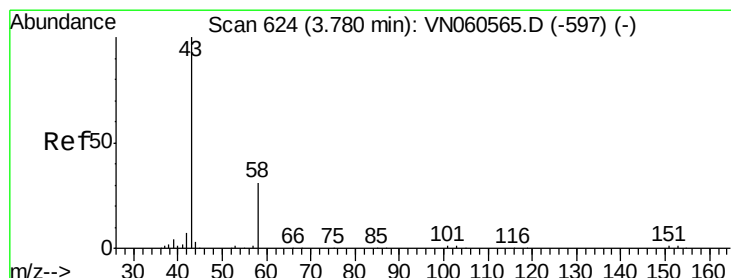
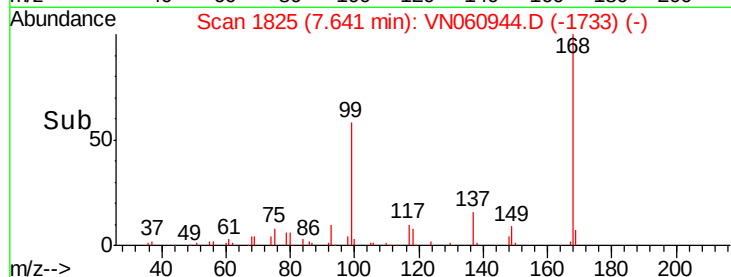
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#16

Acetone

Concen: 16.663 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060944.D

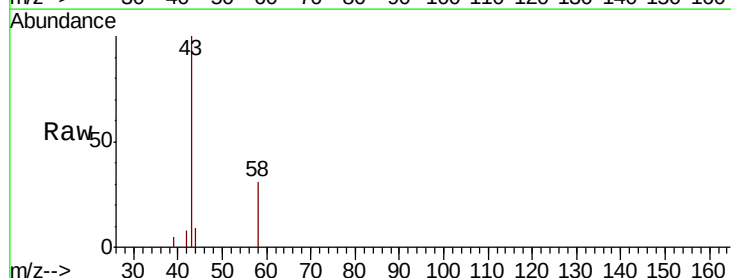
Acq: 14 Apr 2020 19:15

Tgt Ion: 43 Resp: 11146

Ion Ratio Lower Upper

43 100

58 30.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)

3.78

4000

3000

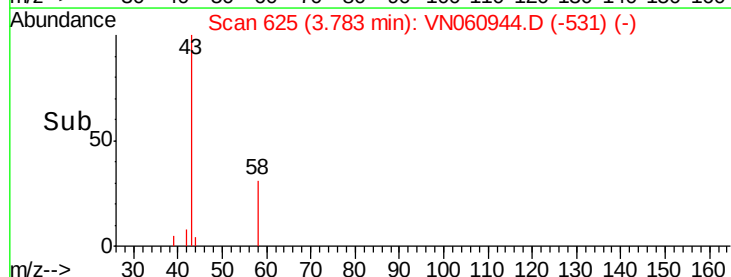
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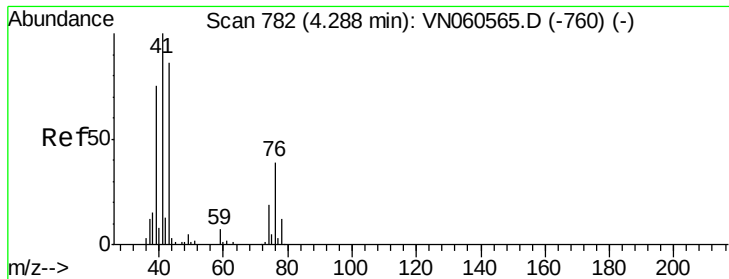
1000

0

Time-->

3.70 3.80 3.90

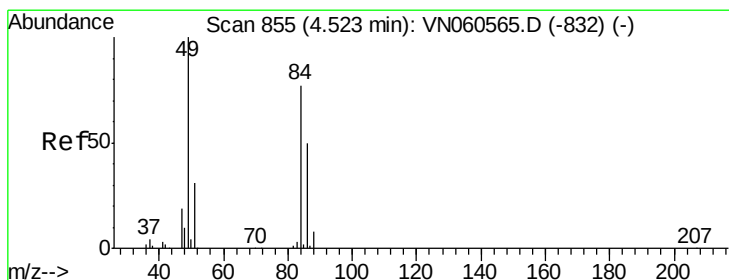
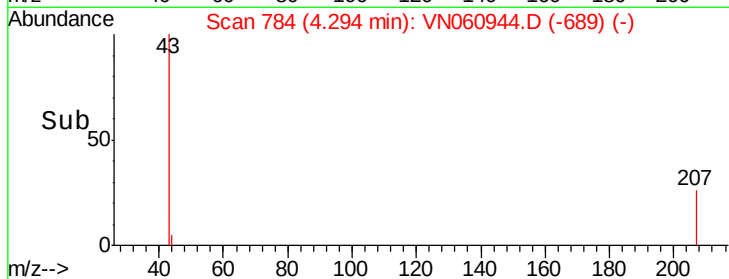
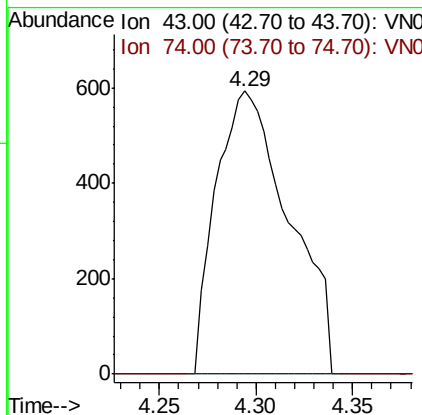
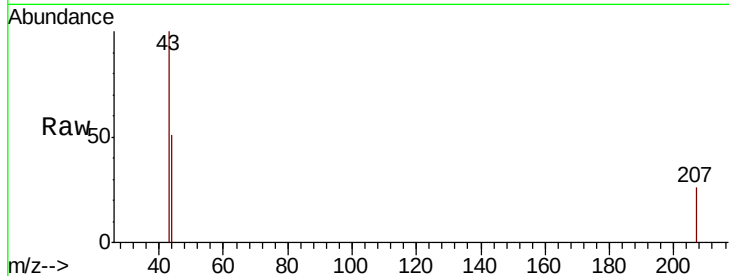




#18
Methvl Acetate
Concen: 0.829 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

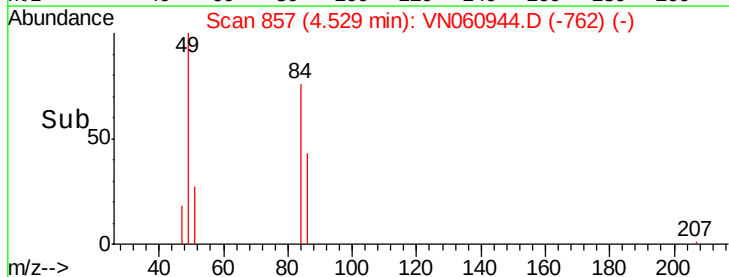
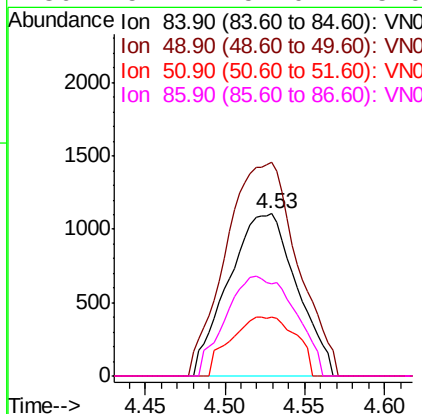
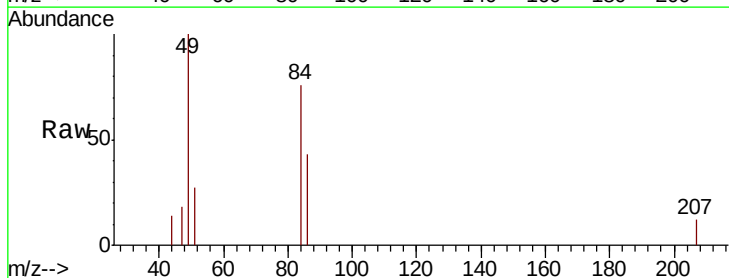
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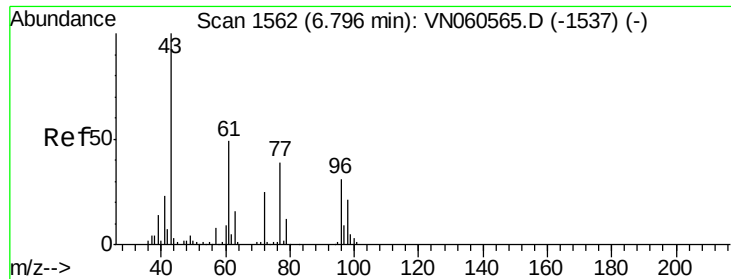
Tot Ion: 43 Resp: 1561
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.971 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

Tgt Ion: 84 Resp: 3243
Ion Ratio Lower Upper
84 100
49 131.9 103.3 154.9
51 36.2 31.6 47.4
86 57.2 52.0 78.0





#25

2-Butanone

Concen: 3.175 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060944.D

Acq: 14 Apr 2020 19:15

Instrument :

MSVOA_N

ClientSampleId :

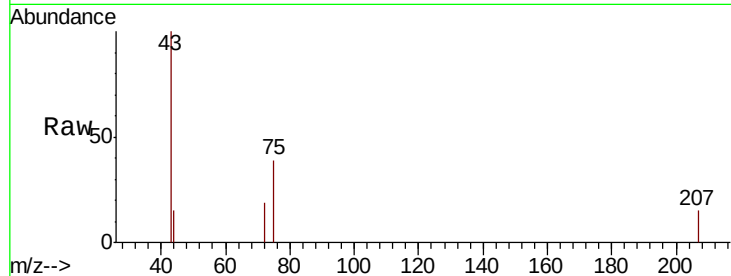
TP-23-22-COMP

Tot Ion: 43 Resp: 3437

Ion Ratio Lower Upper

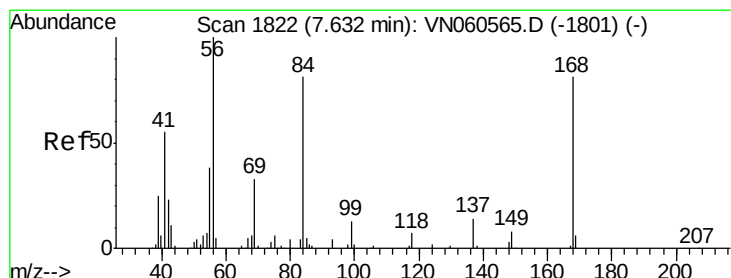
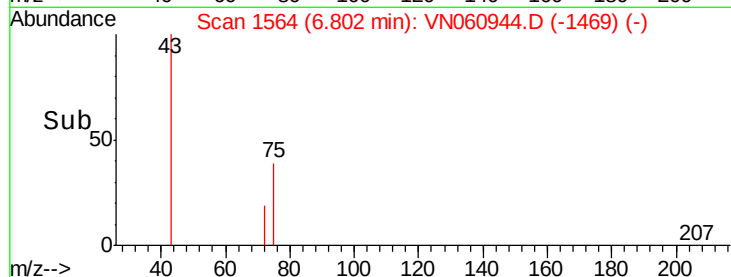
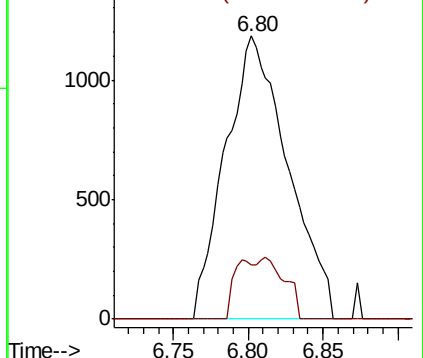
43 100

72 19.2 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.985 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060944.D

Acq: 14 Apr 2020 19:15

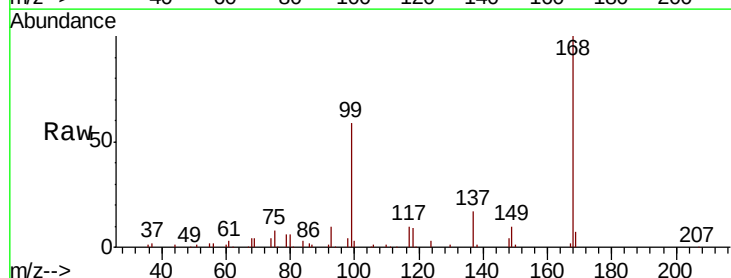
Tgt Ion: 56 Resp: 2997

Ion Ratio Lower Upper

56 100

69 168.2 26.6 40.0#

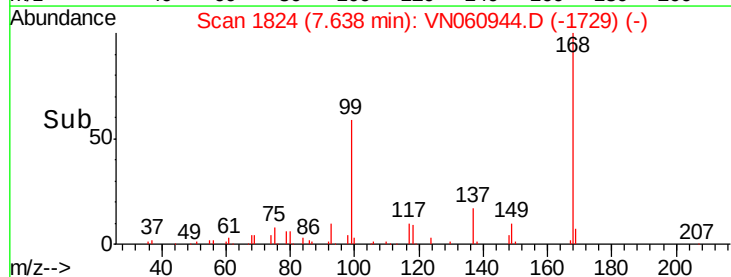
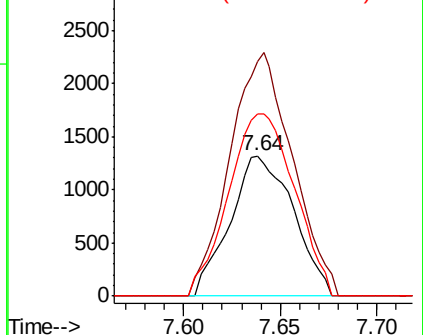
84 130.4 64.3 96.5#

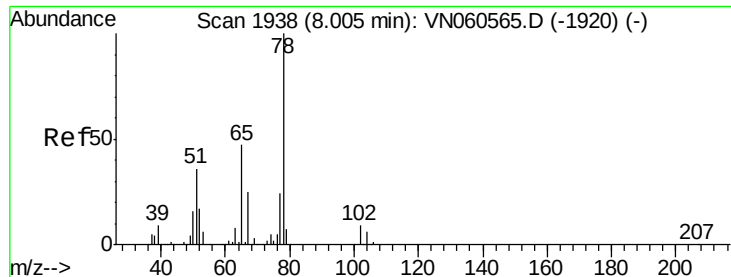


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

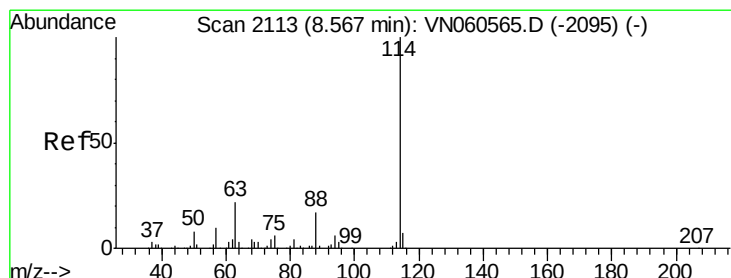
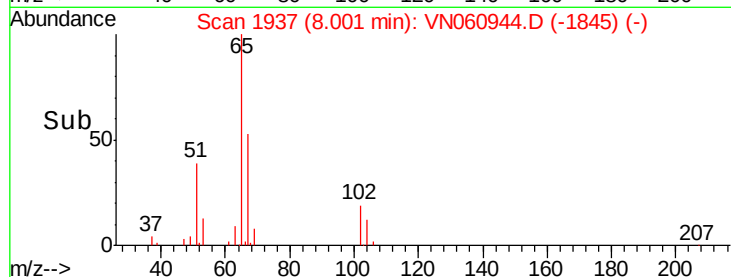
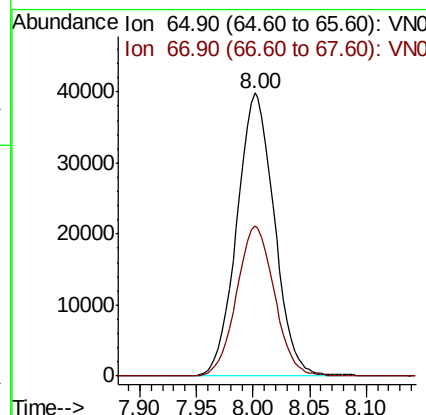
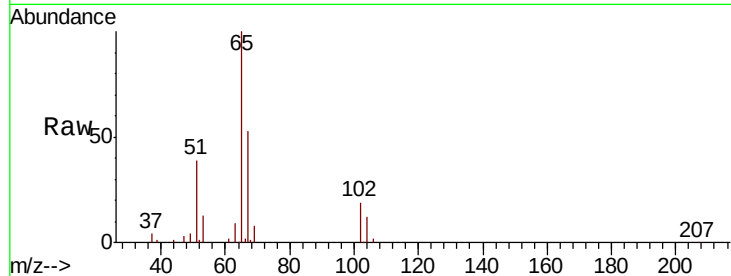




#33
 1,2-Dichloroethane-d4
 Concen: 48.571 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060944.D
 Acq: 14 Apr 2020 19:15

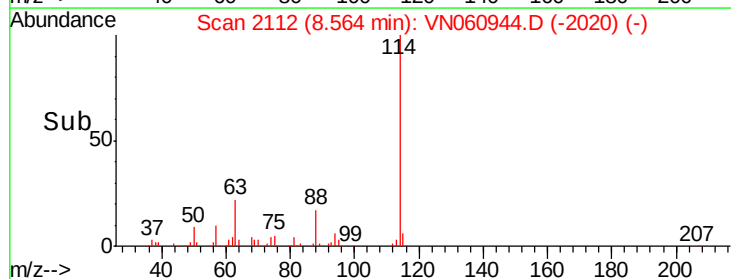
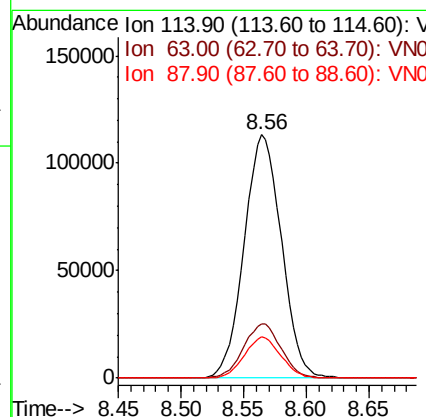
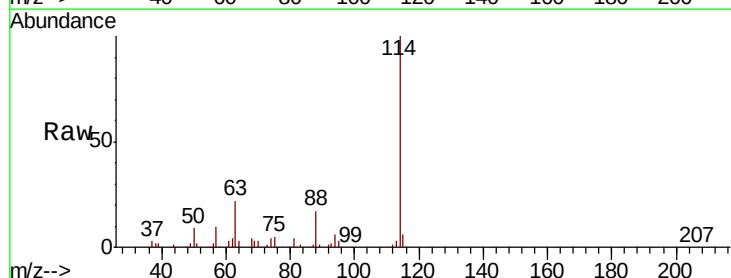
Instrument :
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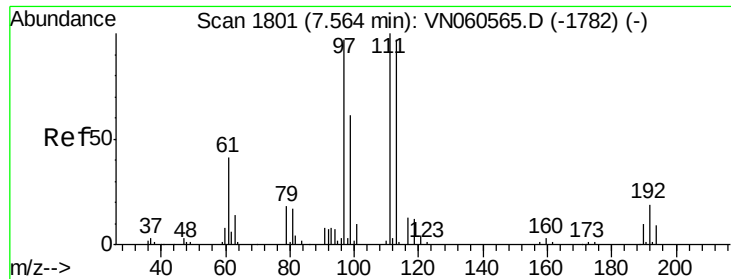
Tot Ion: 65 Resp: 91723
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060944.D
 Acq: 14 Apr 2020 19:15

Tgt Ion: 114 Resp: 234756
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.8
 88 16.7 0.0 33.0

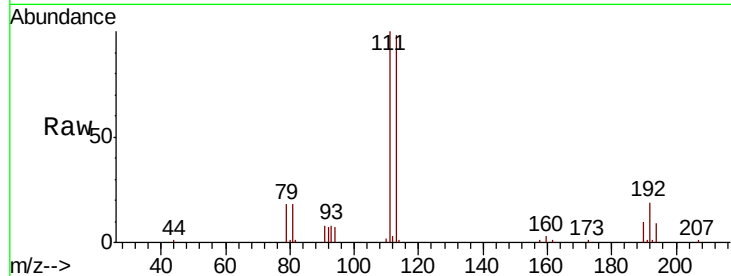




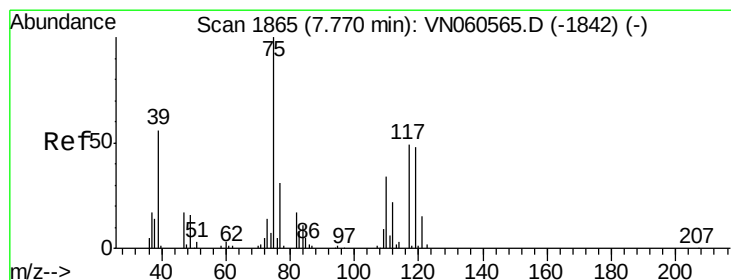
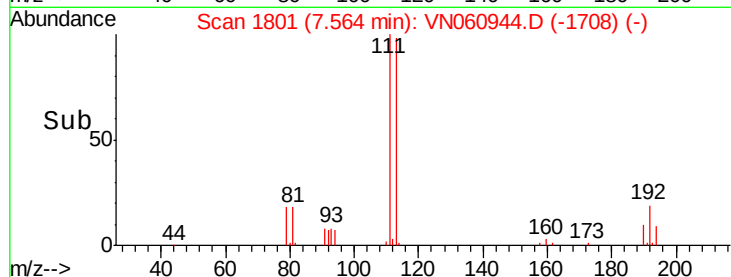
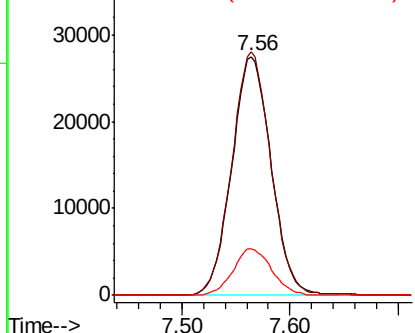
#35
 Dibromofluoromethane
 Concen: 49.089 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060944.D
 Acq: 14 Apr 2020 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-23-22-COMP

Tot Ion:113 Resp: 69681
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.9 124.3
 192 19.1 15.8 23.8

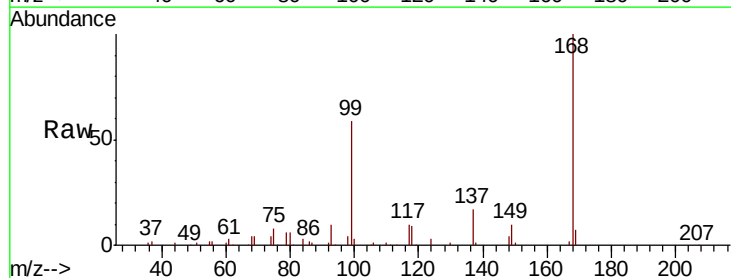


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

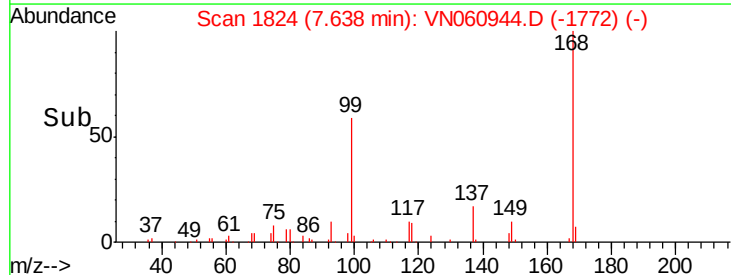
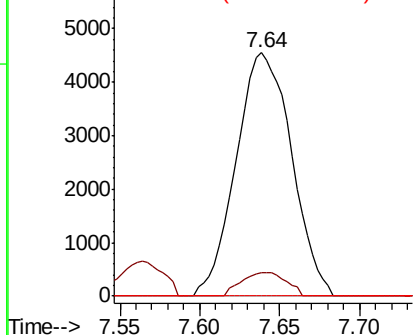


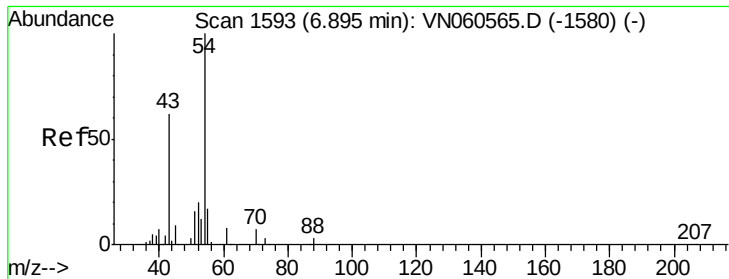
#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060944.D
 Acq: 14 Apr 2020 19:15

Tgt Ion: 75 Resp: 10841
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.9 50.6#
 77 0.0 24.6 36.8#



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

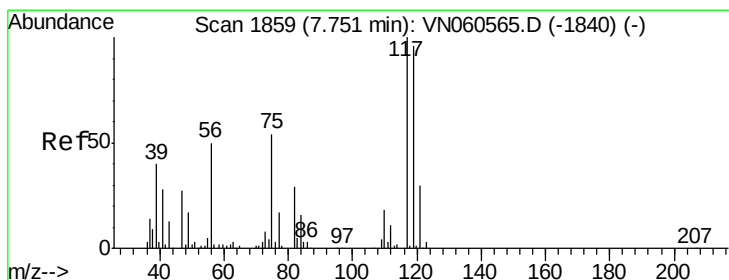
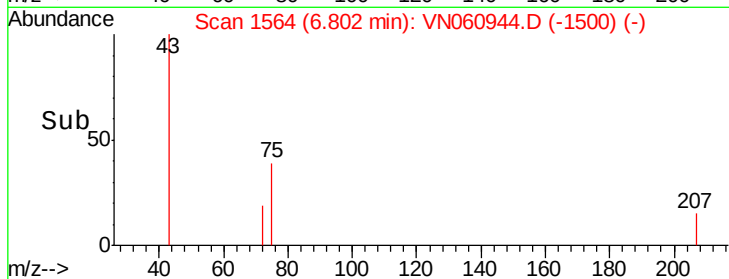
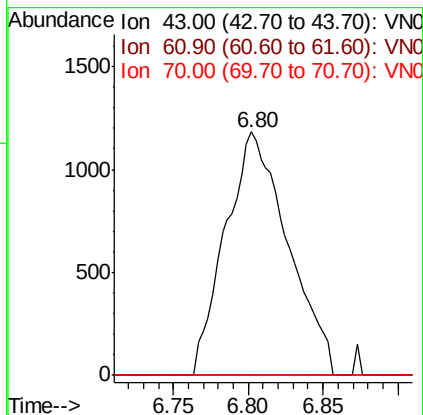
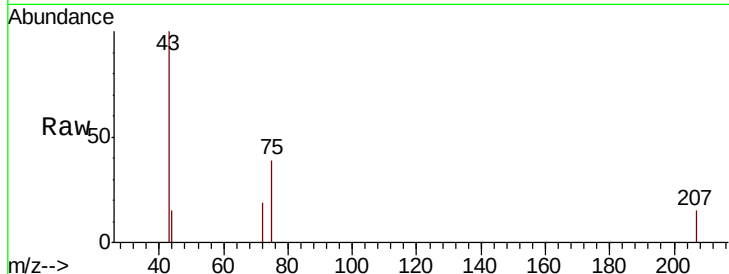




#37
Ethyl Acetate
Concen: 1.399 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.09 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

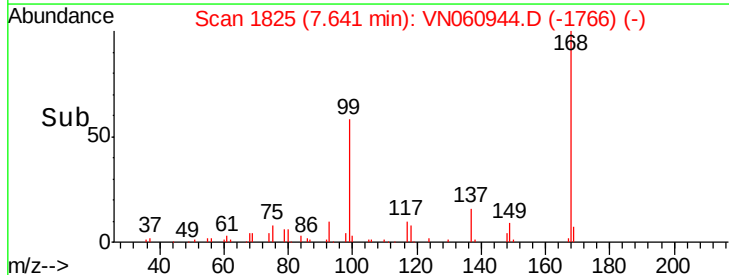
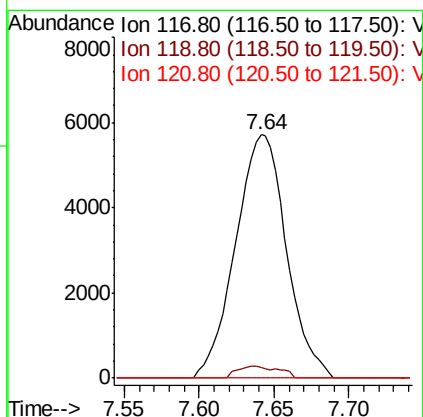
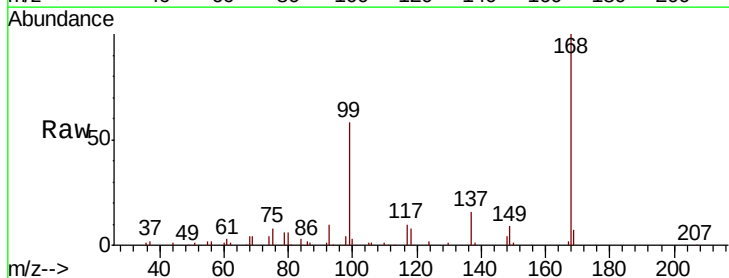
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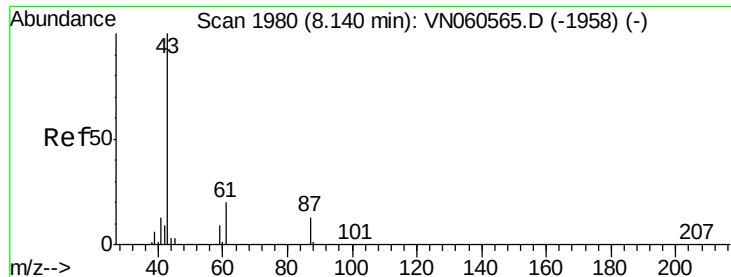
Tot Ion: 43 Resp: 3437
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.636 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

Tgt Ion: 117 Resp: 13519
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 11.904 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060944.D

Acq: 14 Apr 2020 19:15

Instrument :

MSVOA_N

ClientSampleId :

TP-23-22-COMP

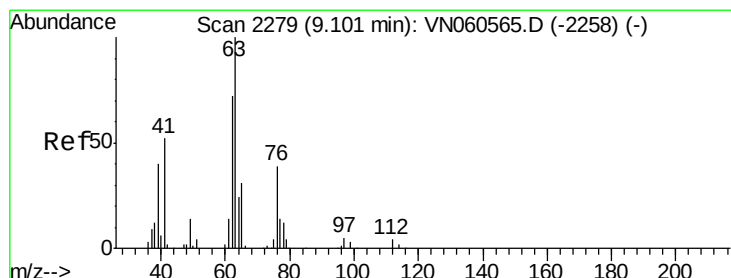
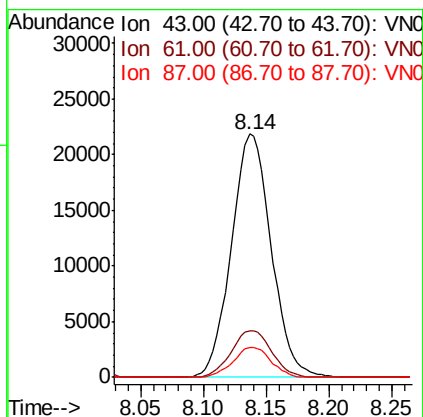
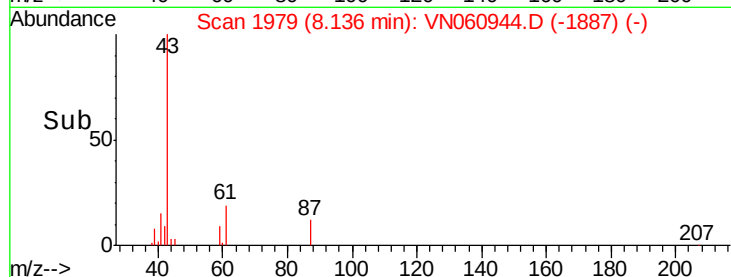
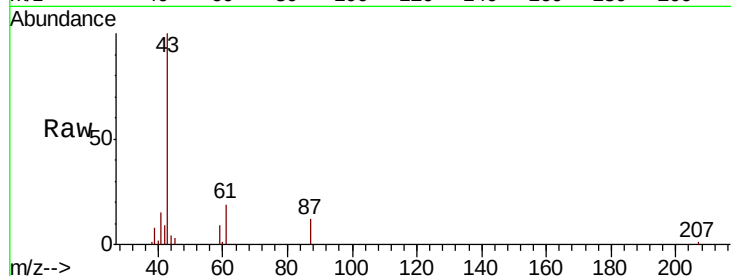
Tot Ion: 43 Resp: 48221

Ion Ratio Lower Upper

43 100

61 19.3 20.7 31.1#

87 11.7 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.486 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060944.D

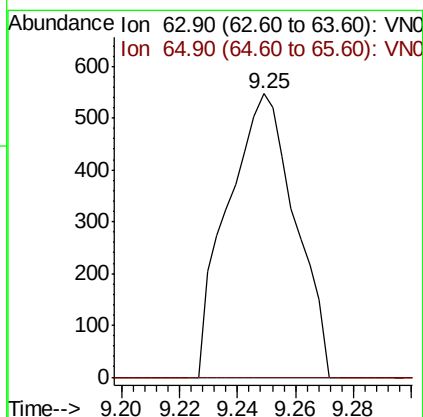
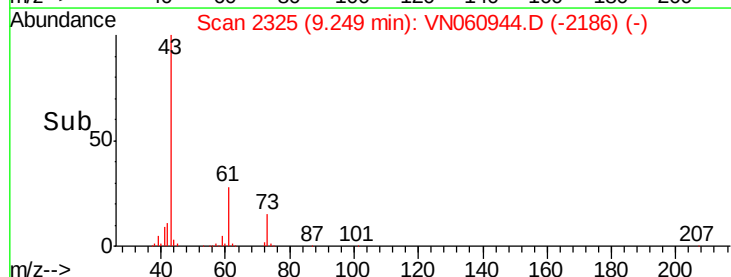
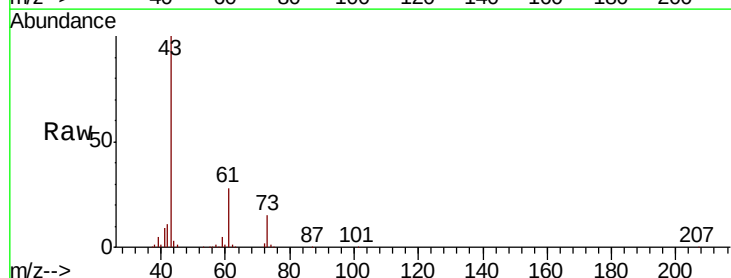
Acq: 14 Apr 2020 19:15

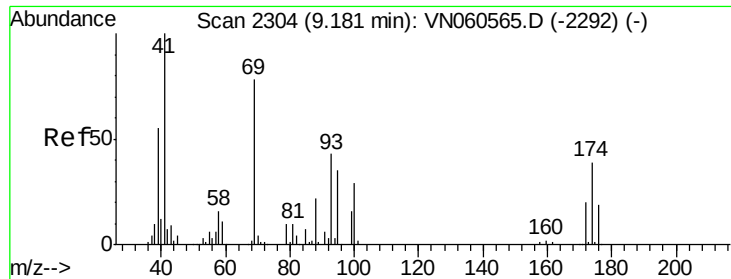
Tgt Ion: 63 Resp: 880

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

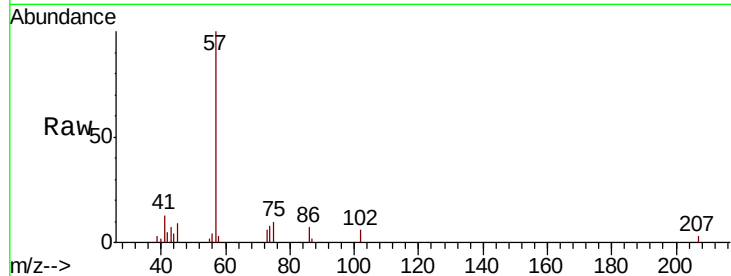




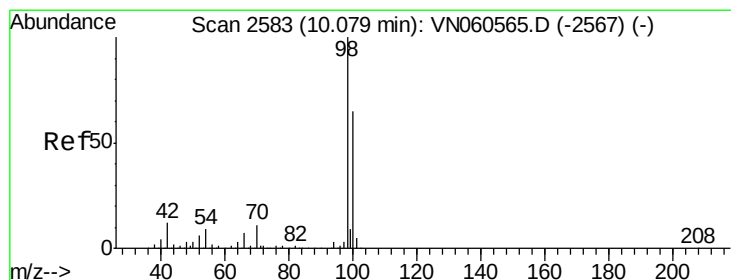
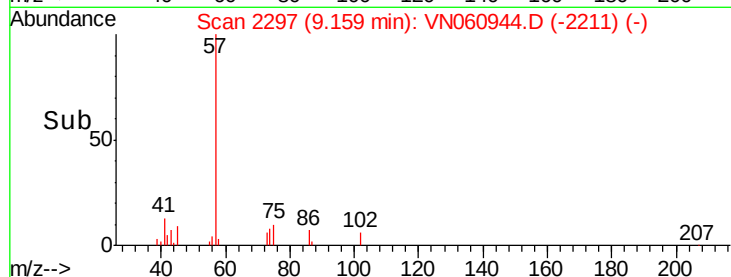
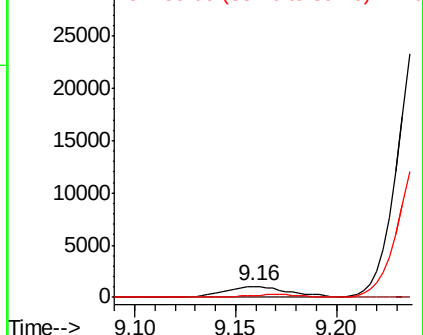
#48
Methvl methacrylate
Concen: 1.281 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

Instrument :
MSVOA_N
ClientSampleId :
TP-23-22-COMP

Tot Ion: 41 Resp: 2310
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

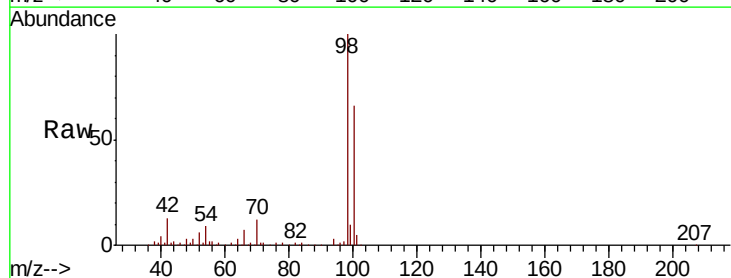


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

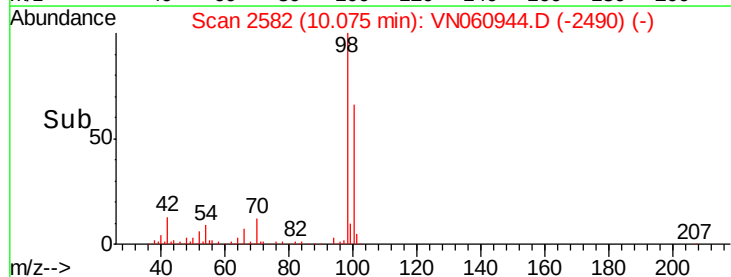
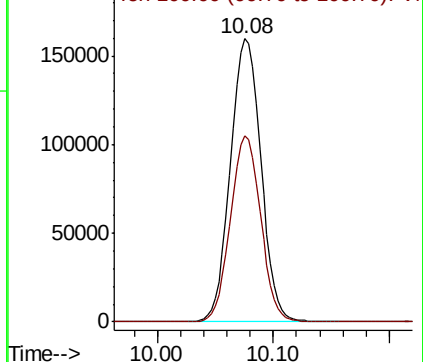


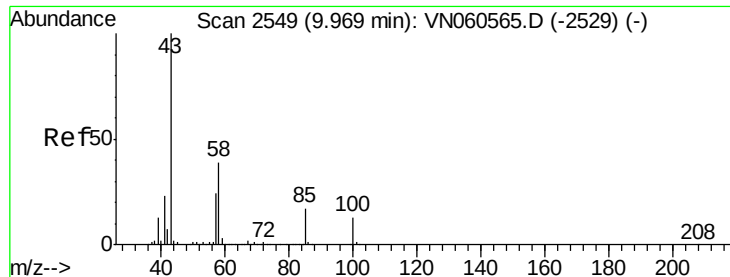
#50
Toluene-d8
Concen: 50.202 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

Tgt Ion: 98 Resp: 291073
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



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

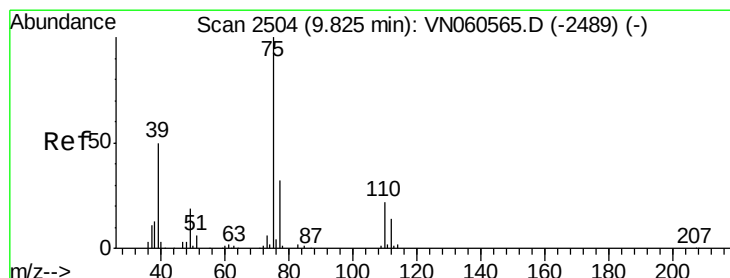
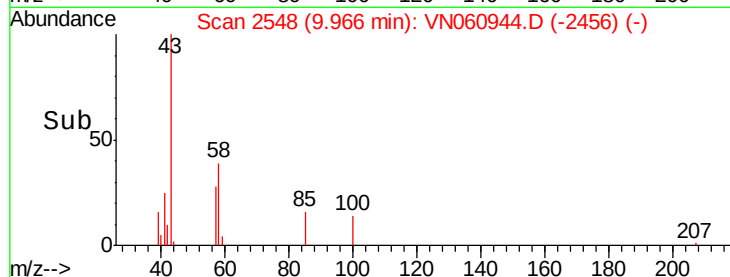
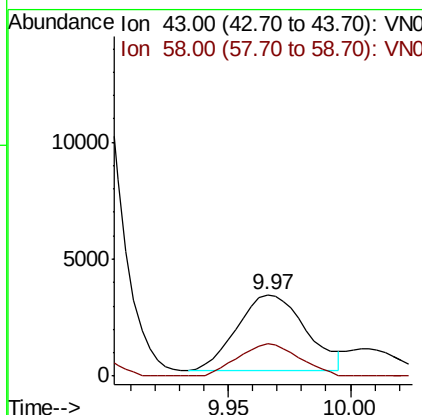
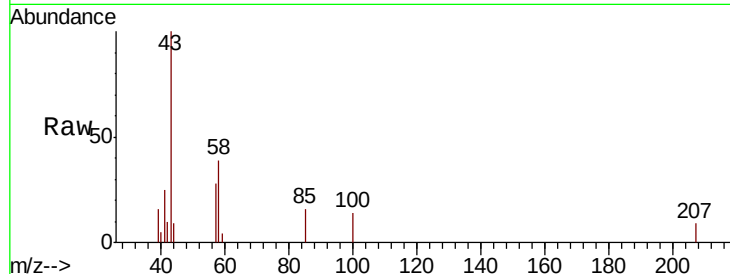




#51
 4-Methyl-2-Pentanone
 Concen: 2.747 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060944.D
 Acq: 14 Apr 2020 19:15

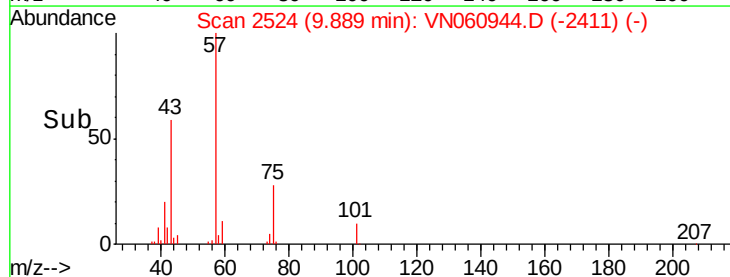
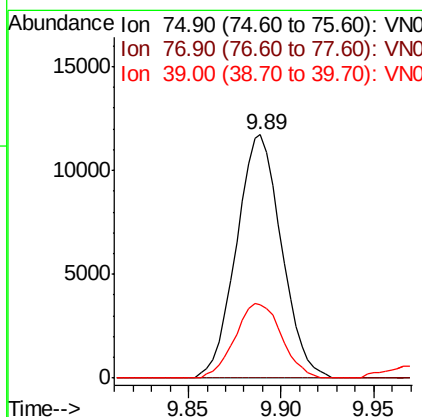
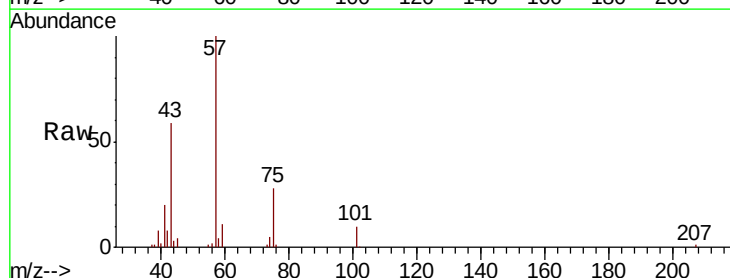
Instrument :
 MSVOA_N
 ClientSampled :
 TP-23-22-COMP

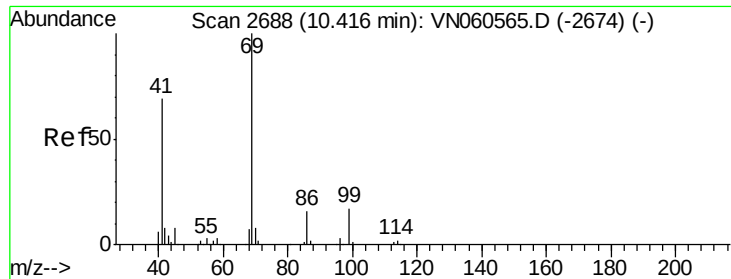
Tot Ion: 43 Resp: 6332
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.881 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060944.D
 Acq: 14 Apr 2020 19:15

Tgt Ion: 75 Resp: 19725
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.3 40.2 60.4#





#56

Ethyl methacrylate

Concen: 0.203 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060944.D

Acq: 14 Apr 2020 19:15

Instrument :

MSVOA_N

ClientSampleId :

TP-23-22-COMP

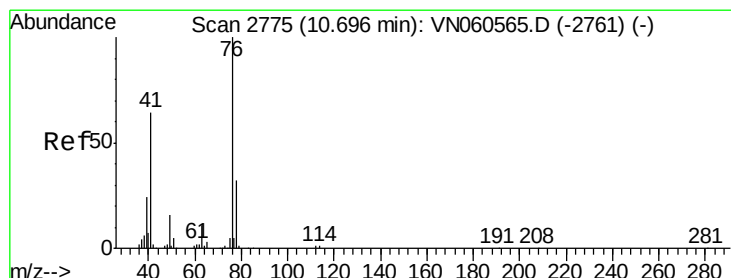
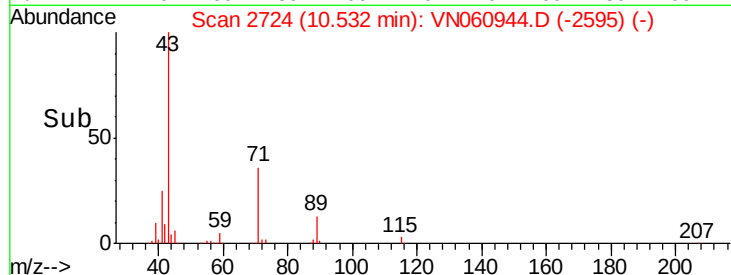
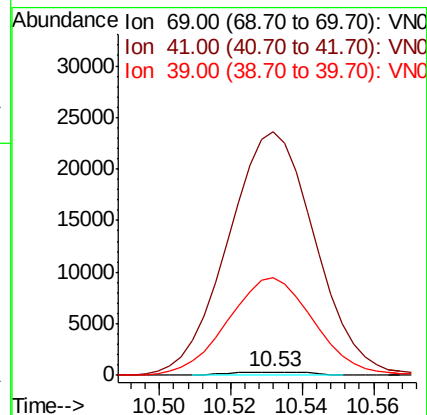
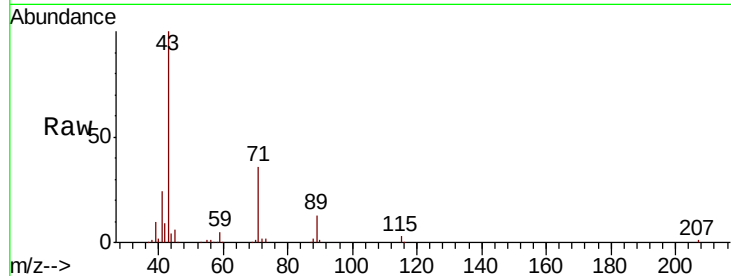
Tot Ion: 69 Resp: 504

Ion Ratio Lower Upper

69 100

41 7994.0 55.4 83.2#

39 3197.6 29.4 44.0#



#57

1,3-Dichloropropane

Concen: 1.205 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060944.D

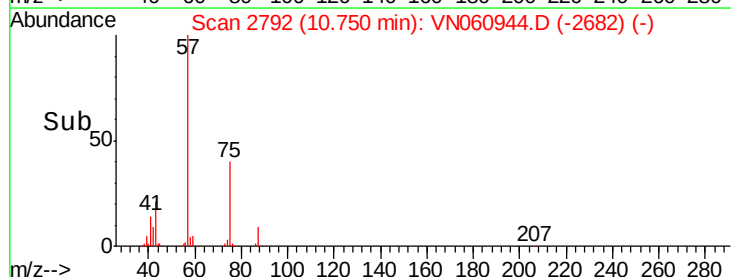
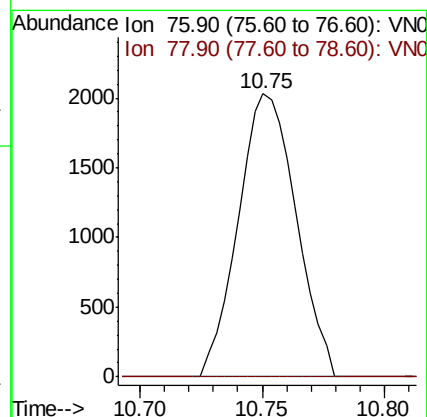
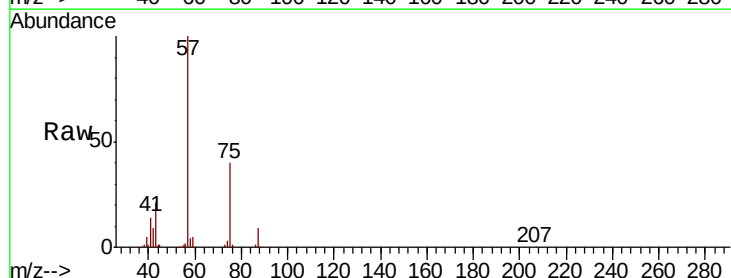
Acq: 14 Apr 2020 19:15

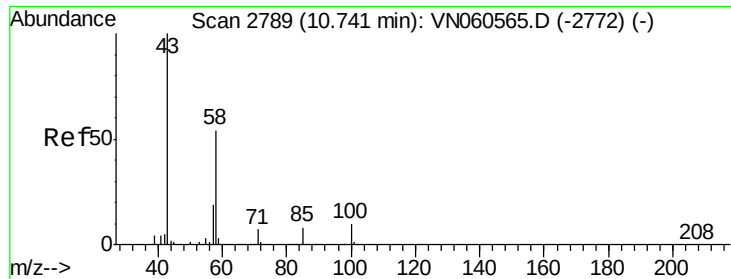
Tgt Ion: 76 Resp: 3335

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

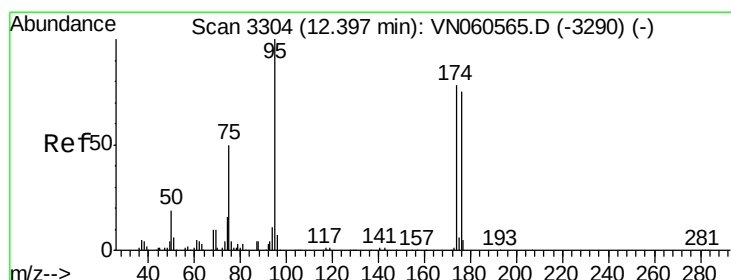
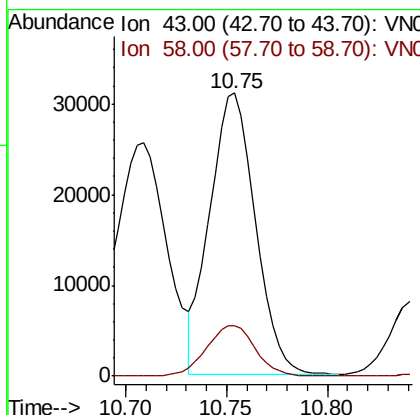
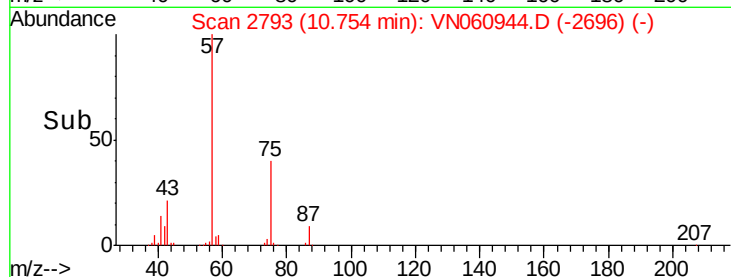
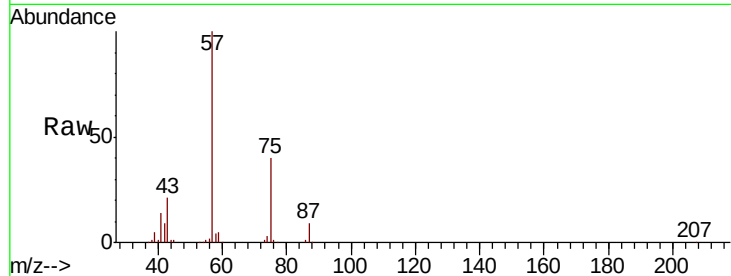




#59
2-Hexanone
Concen: 29.439 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

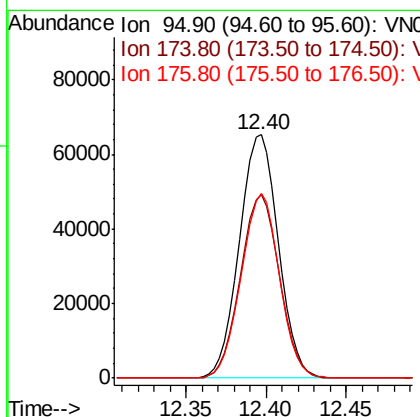
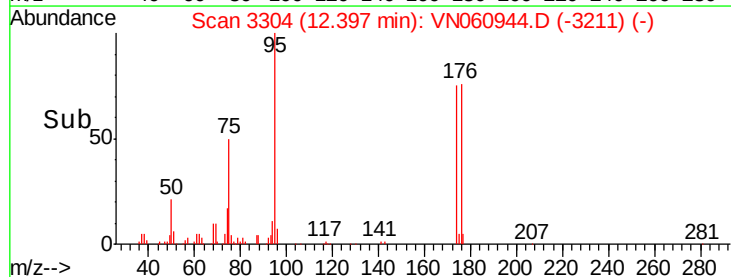
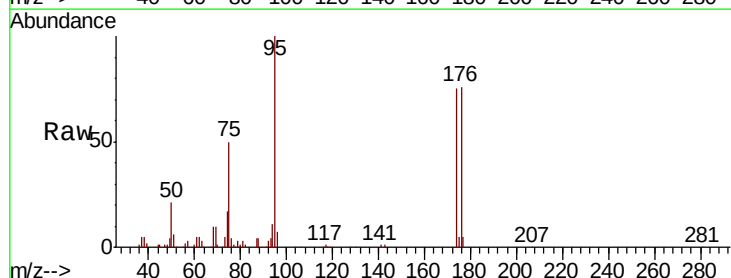
Instrument :
MSVOA_N
ClientSampleId :
TP-23-22-COMP

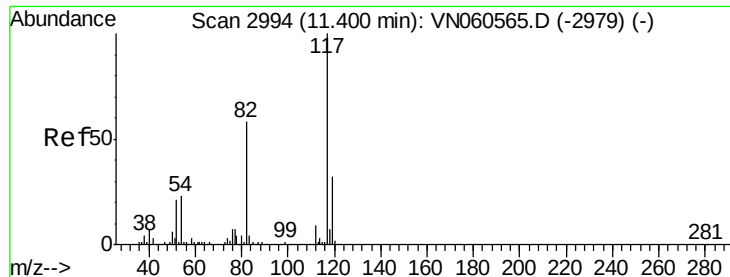
Tot Ion: 43 Resp: 48882
Ion Ratio Lower Upper
43 100
58 19.1 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.028 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

Tgt Ion: 95 Resp: 108430
Ion Ratio Lower Upper
95 100
174 75.4 0.0 157.6
176 74.4 0.0 150.6

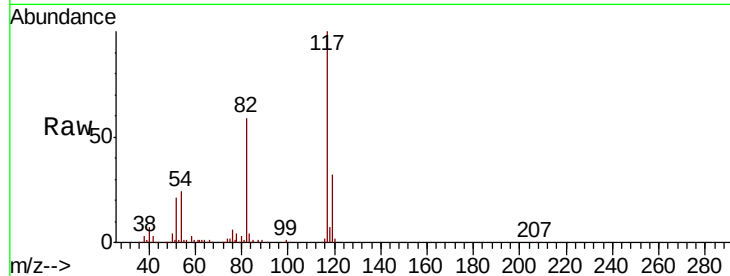




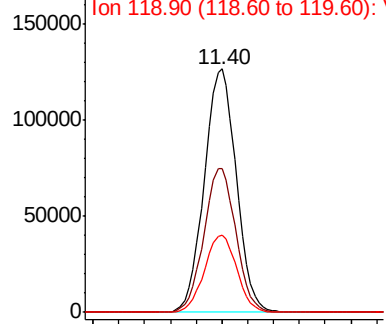
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

Instrument :
MSVOA_N
ClientSampleId :
TP-23-22-COMP

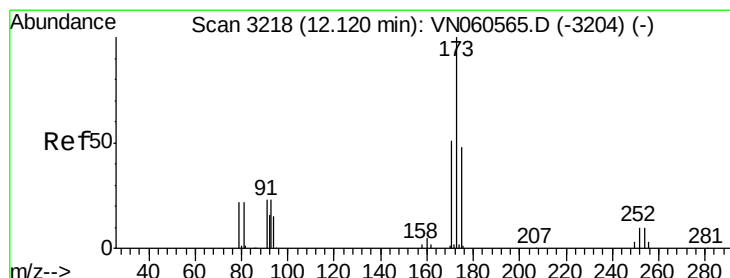
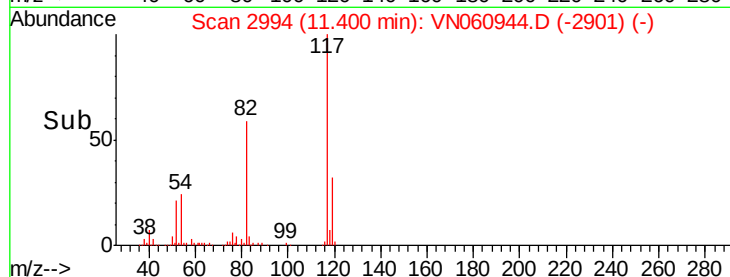
Tot Ion:117 Resp: 217466
Ion Ratio Lower Upper
117 100
82 59.1 46.7 70.1
119 32.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

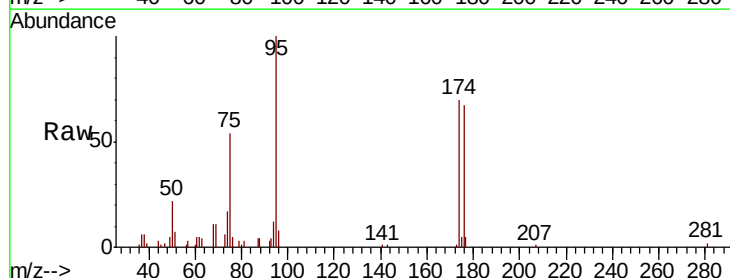


Time--> 11.30 11.40 11.50

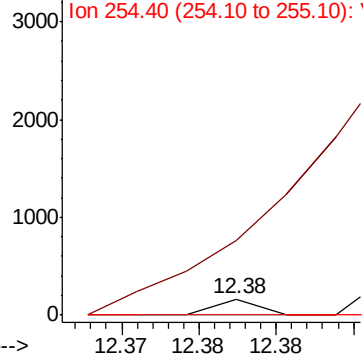


#71
Bromoform
Concen: 1.704 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.26 min
Lab File: VN060944.D
Acq: 14 Apr 2020 19:15

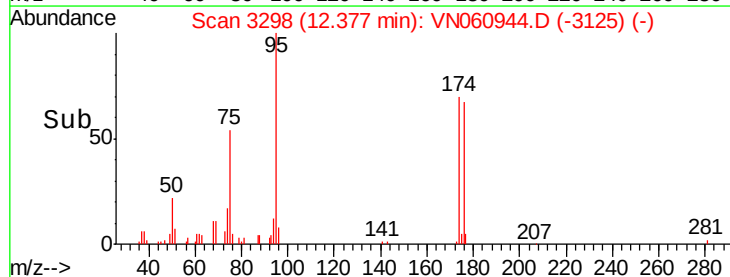
Tgt Ion:173 Resp: 31
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0

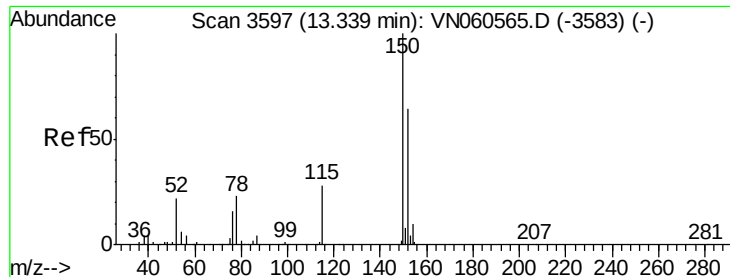


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time--> 12.37 12.38 12.38





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060944.D

Acq: 14 Apr 2020 19:15

Instrument :

MSVOA_N

ClientSampleId :

TP-23-22-COMP

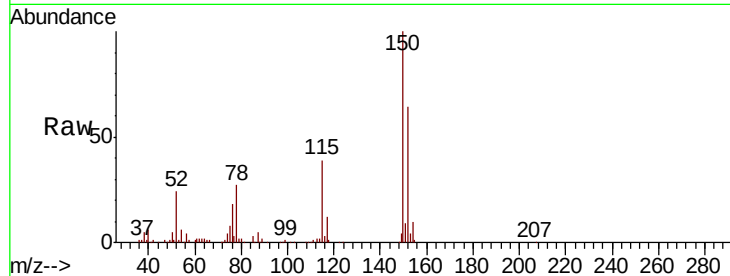
Tot Ion:152 Resp: 98352

Ion Ratio Lower Upper

152 100

115 60.5 30.2 90.6

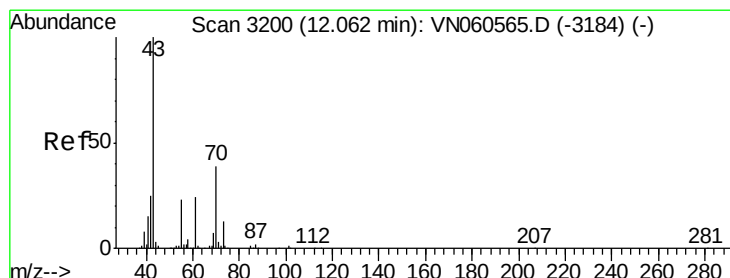
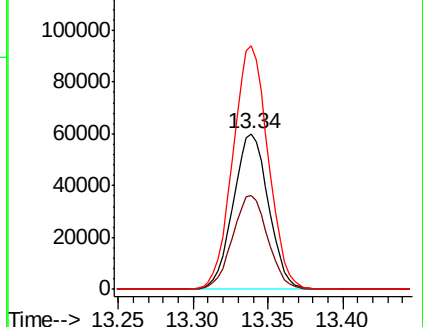
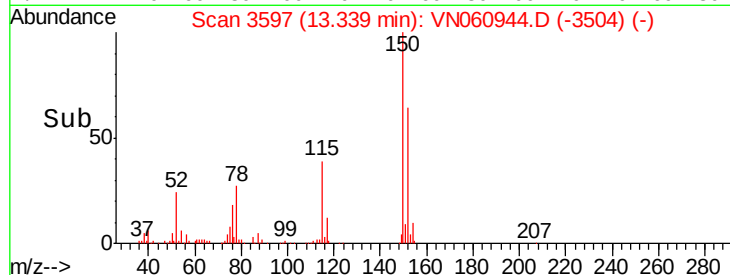
150 157.3 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.877 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060944.D

Acq: 14 Apr 2020 19:15

Tgt Ion: 43 Resp: 2990

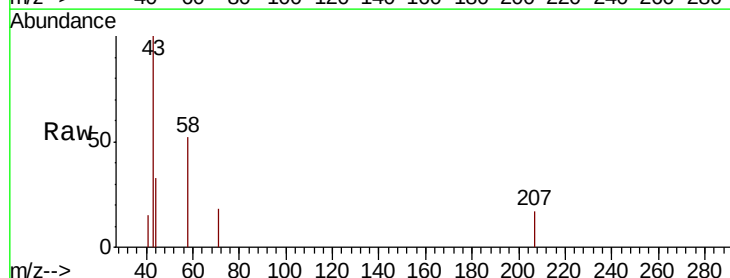
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

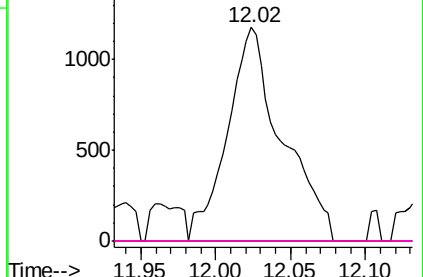
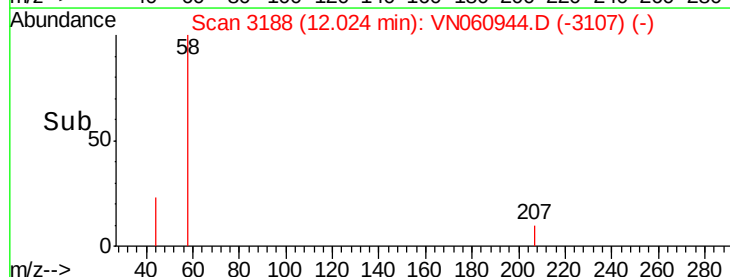


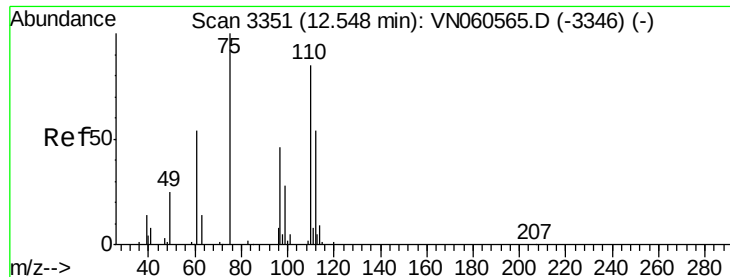
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

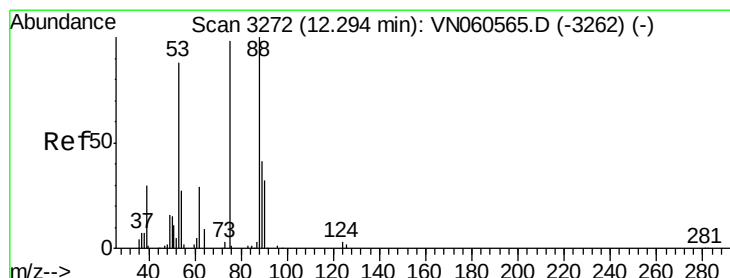
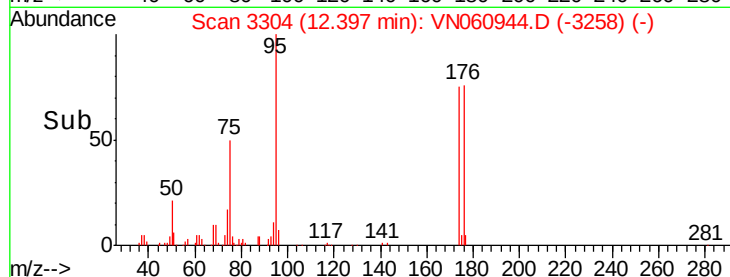
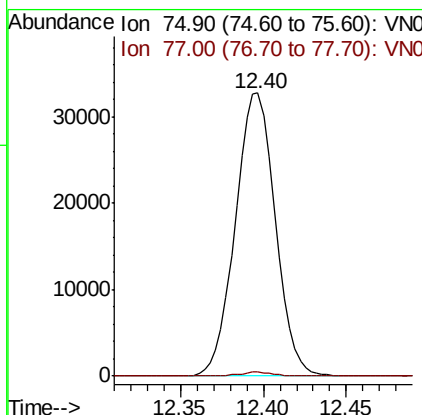
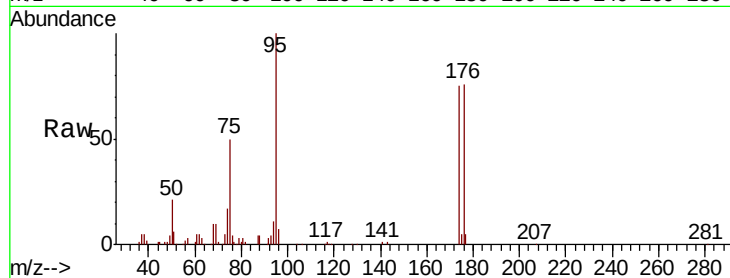




#76
 1,2,3-Trichloropropane
 Concen: 25.906 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060944.D
 Acq: 14 Apr 2020 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-23-22-COMP

Tot Ion: 75 Resp: 54978
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.534 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060944.D
 Acq: 14 Apr 2020 19:15

Tgt Ion: 75 Resp: 54978
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

