

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060475.D
 Acq On : 12 Mar 2020 13:40
 Operator : JC/MD
 Sample : L1893-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-SA

Quant Time: Mar 13 02:03:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136652	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125262	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.56	113	94409	63.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.66%	
50) Toluene-d8	10.08	98	395368	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.40	95	147068	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

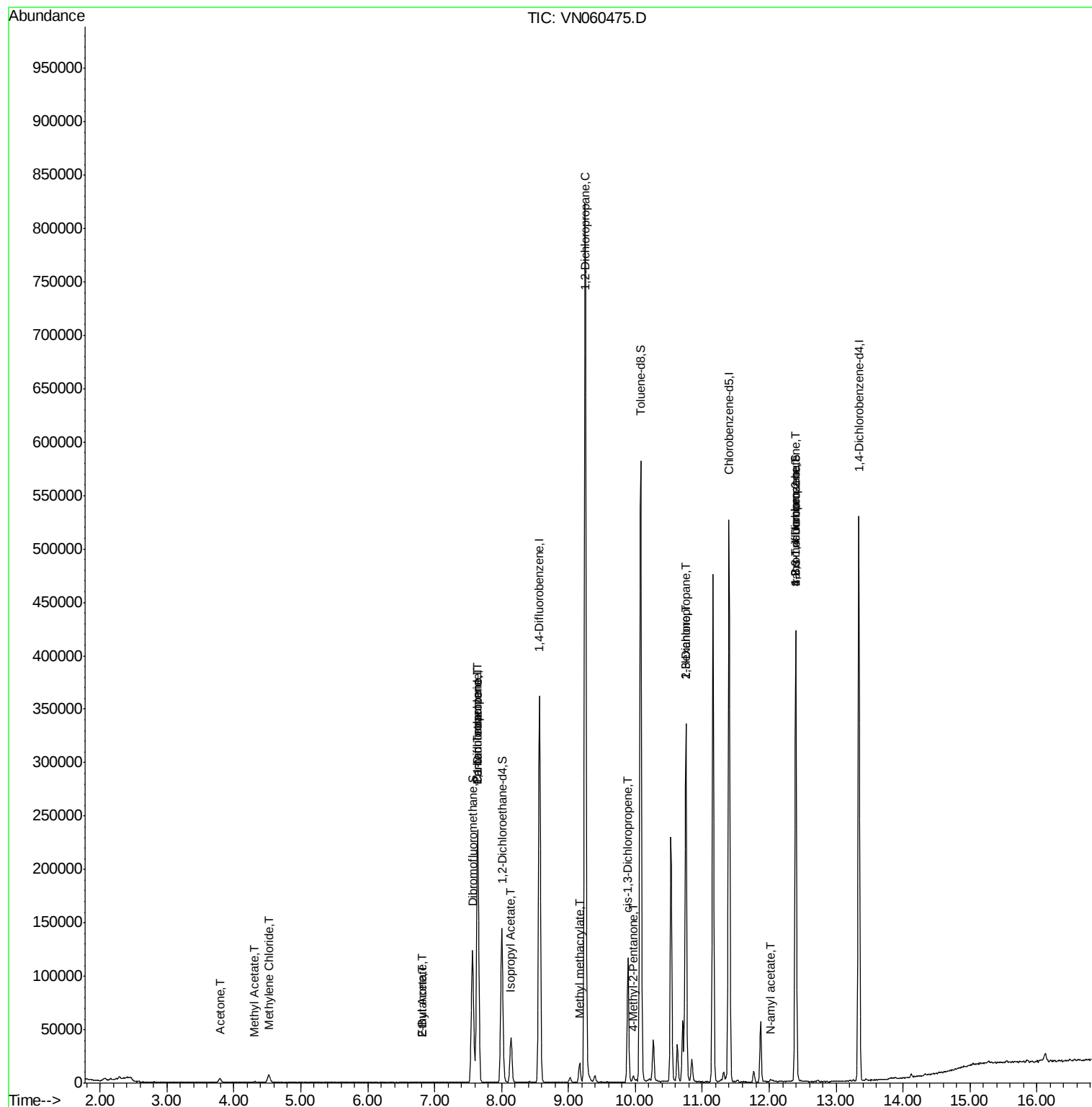
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6919	8.70	ug/l	99
18) Methyl Acetate	4.31	43	1432	0.54	ug/l	# 52
20) Methylene Chloride	4.52	84	5798	2.65	ug/l	96
25) 2-Butanone	6.82	43	1345	1.05	ug/l	# 49
31) Cyclohexane	7.64	56	4204	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15029	4.91	ug/l	# 49
37) Ethyl Acetate	6.82	43	1345	0.46	ug/l	# 68
38) Carbon Tetrachloride	7.64	117	18459	6.19	ug/l	# 16
43) Isopropyl Acetate	8.14	43	50452	9.94	ug/l	# 91
45) 1,2-Dichloropropane	9.25	63	898	0.39	ug/l	# 44
48) Methyl methacrylate	9.16	41	2566	1.11	ug/l	# 13
51) 4-Methyl-2-Pentanone	9.97	43	4166	1.45	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	20970	5.37	ug/l	# 60
57) 1,3-Dichloropropane	10.75	76	3215	0.88	ug/l	# 42
59) 2-Hexanone	10.75	43	49570	23.47	ug/l	# 52
74) N-amyl acetate	12.02	43	2099	0.47	ug/l	# 44
76) 1,2,3-Trichloropropane	12.39	75	74699	24.92	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.39	75	74699	68.78	ug/l	# 8
87) 1,3-Dichlorobenzene	13.35	146	30	Below Cal	#	1
88) 1,4-Dichlorobenzene	13.35	146	30	Below Cal	#	1
95) Naphthalene	15.13	128	195	Below Cal	#	69

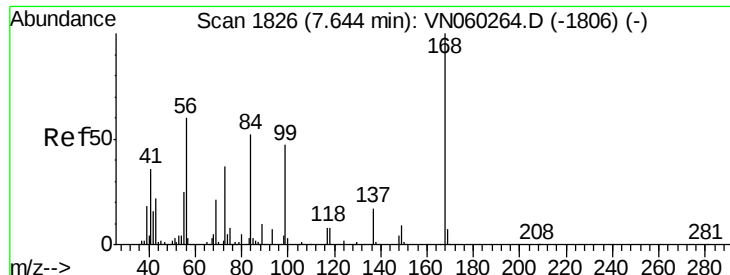
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

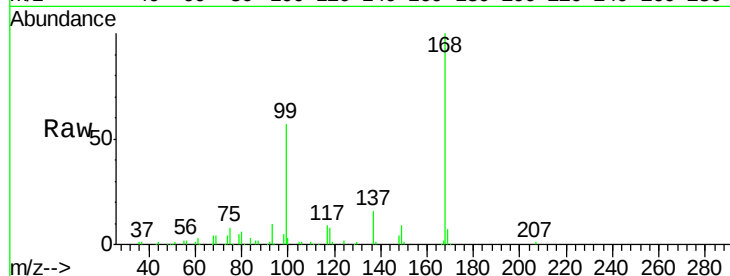
TP-2-SA

Tgt Ion:168 Resp: 192030

Ion Ratio Lower Upper

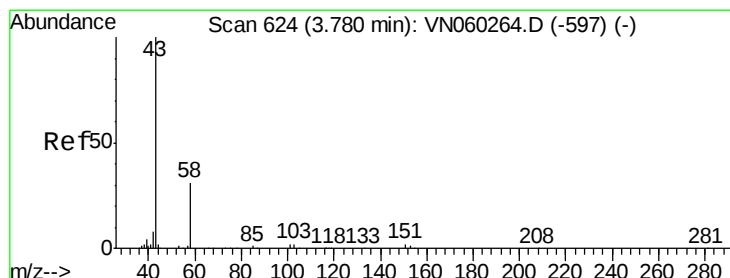
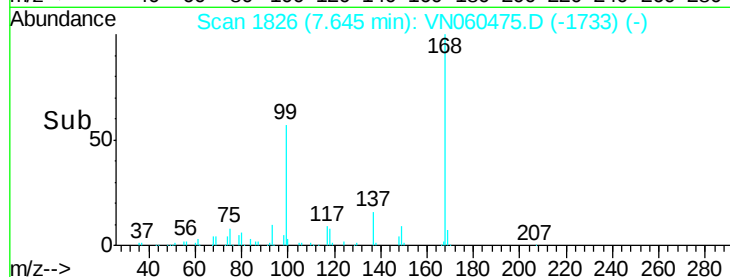
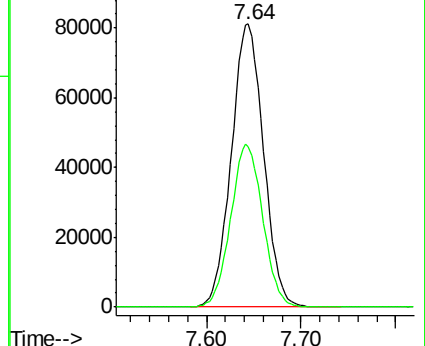
168 100

99 56.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 8.70 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060475.D

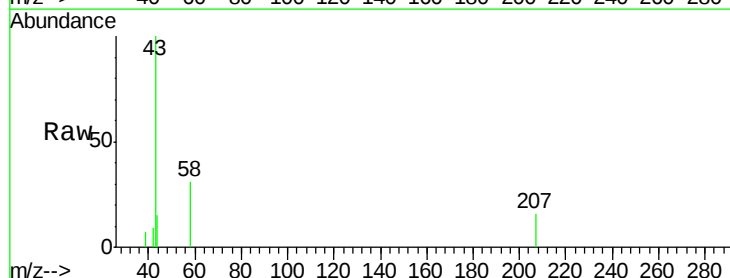
Acq: 12 Mar 2020 13:40

Tgt Ion: 43 Resp: 6919

Ion Ratio Lower Upper

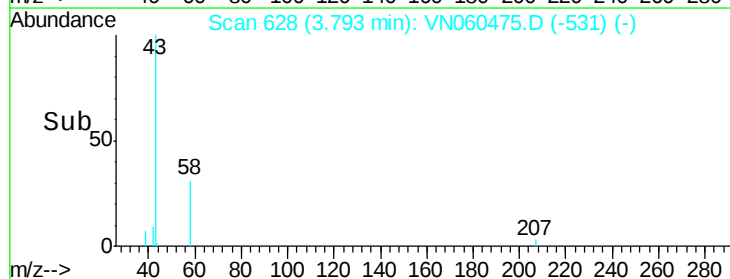
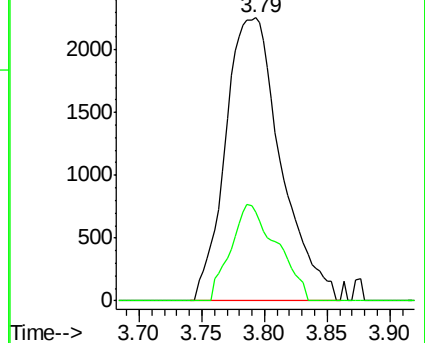
43 100

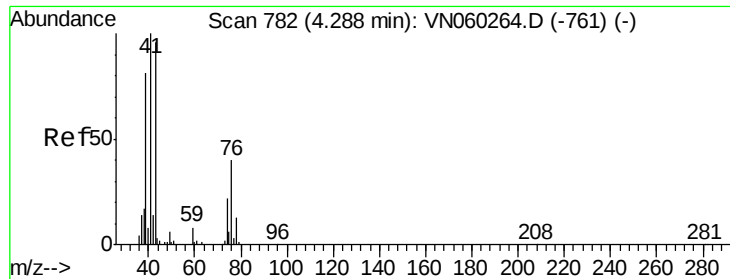
58 31.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

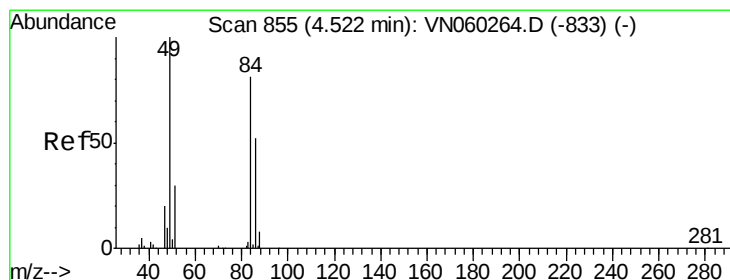
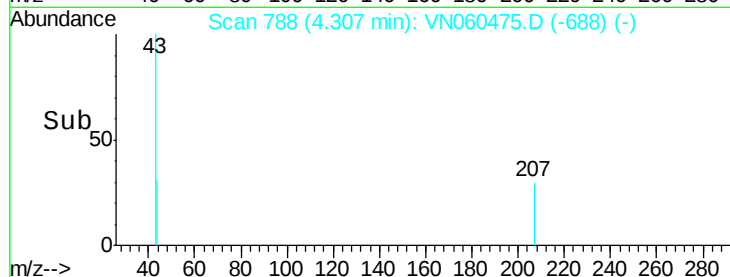
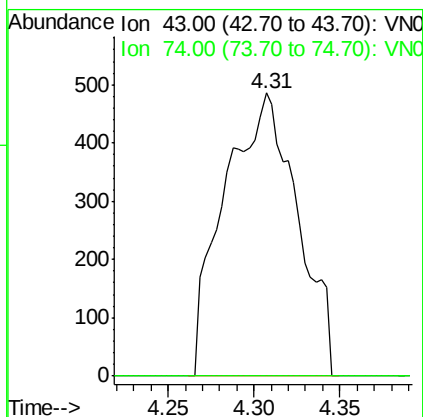
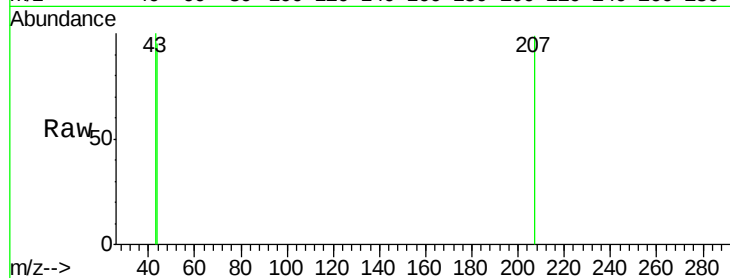




#18
Methyl Acetate
Concen: 0.54 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN060475.D
Acq: 12 Mar 2020 13:40

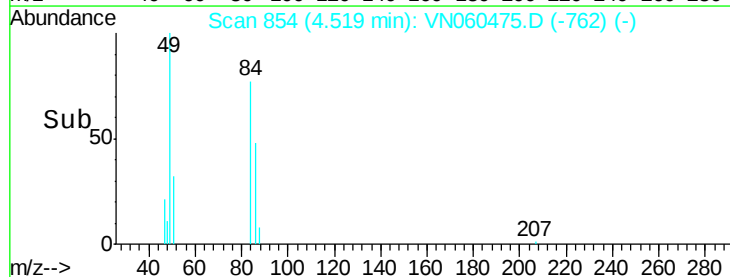
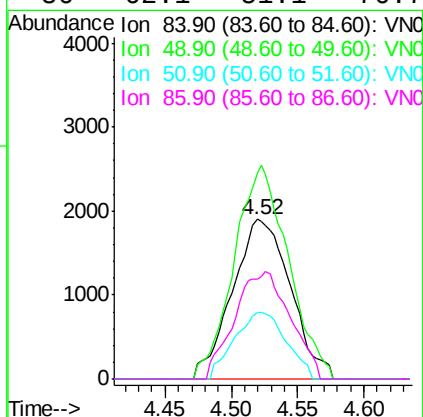
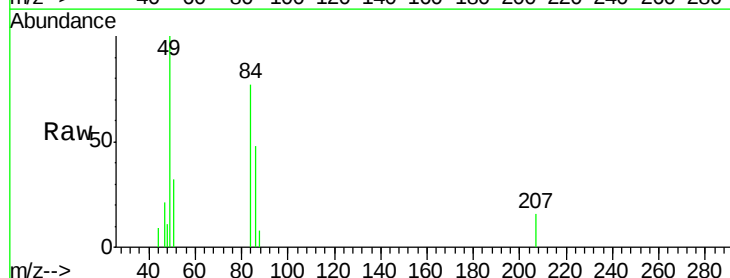
Instrument :
MSVOA_N
ClientSampled :
TP-2-SA

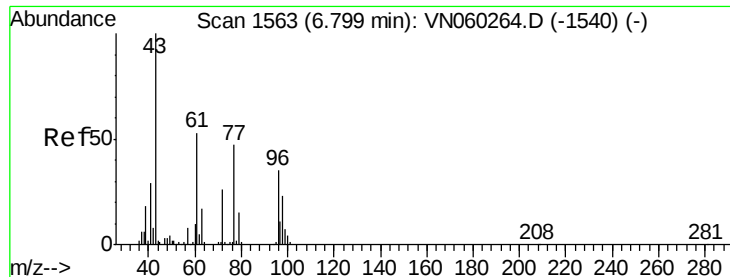
Tgt Ion: 43 Resp: 1432
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 2.65 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060475.D
Acq: 12 Mar 2020 13:40

Tgt Ion: 84 Resp: 5798
Ion Ratio Lower Upper
84 100
49 129.2 99.3 148.9
51 41.6 30.1 45.1
86 62.1 51.1 76.7

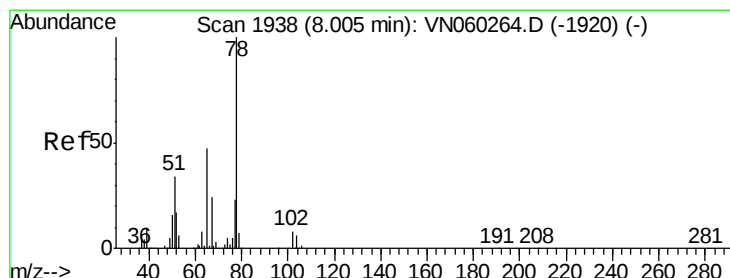
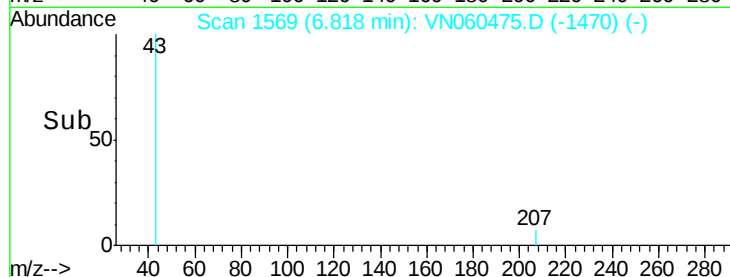
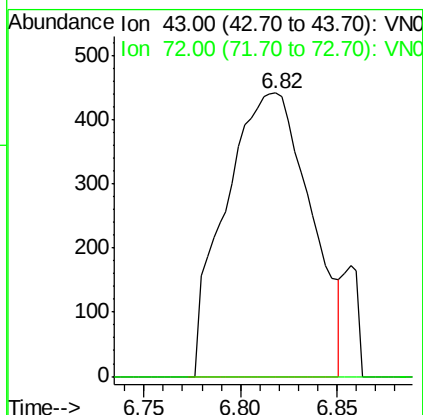
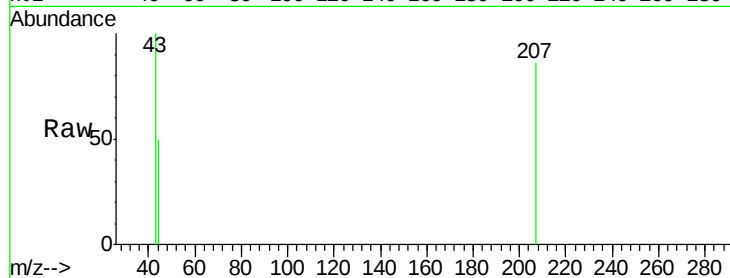




#25
2-Butanone
Concen: 1.05 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060475.D
Acq: 12 Mar 2020 13:40

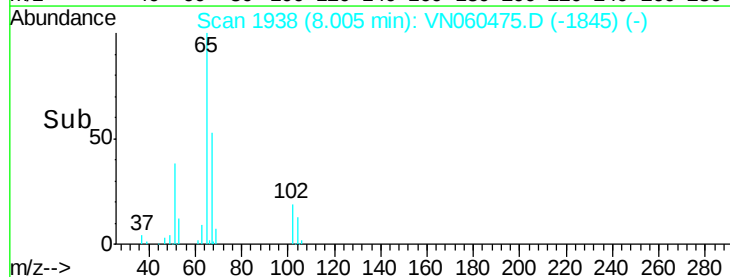
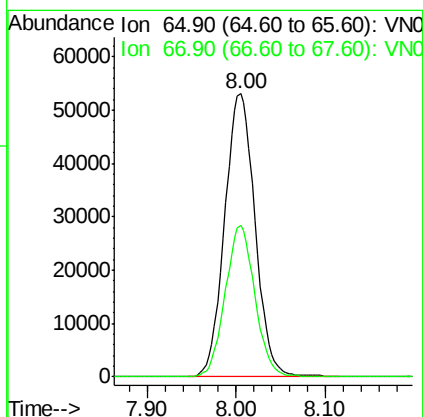
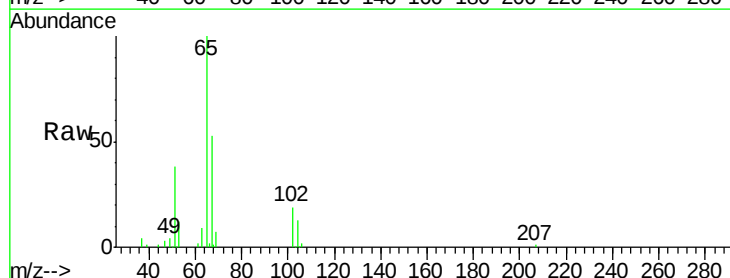
Instrument :
MSVOA_N
ClientSampleId :
TP-2-SA

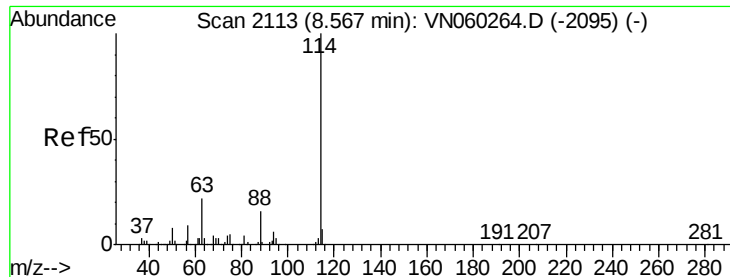
Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#33
1,2-Dichloroethane-d4
Concen: 50.84 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060475.D
Acq: 12 Mar 2020 13:40

Tgt Ion: 65 Resp: 125262
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8

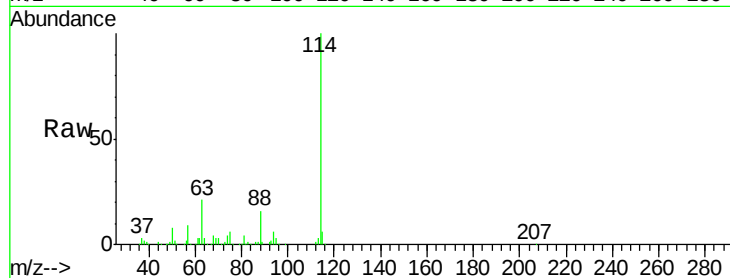




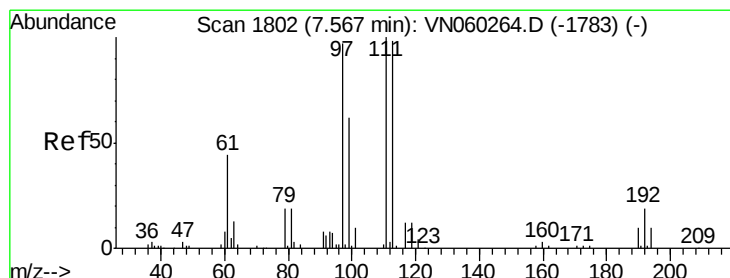
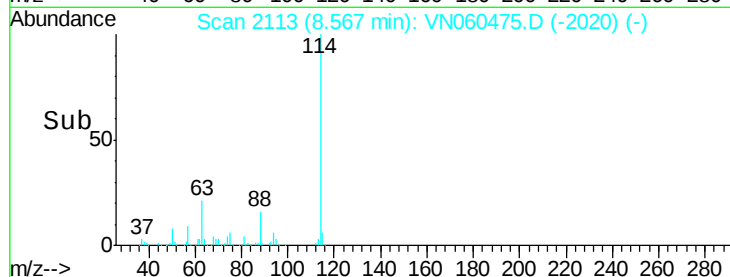
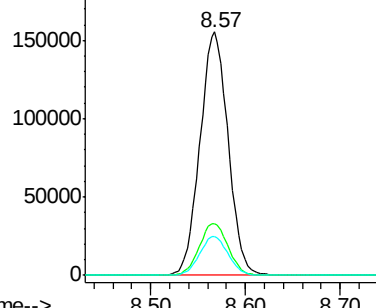
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060475.D
Acq: 12 Mar 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
TP-2-SA

Tgt Ion:114 Resp: 321178
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 16.1 0.0 31.6

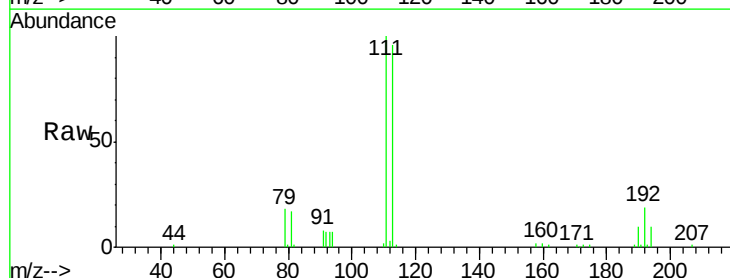


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

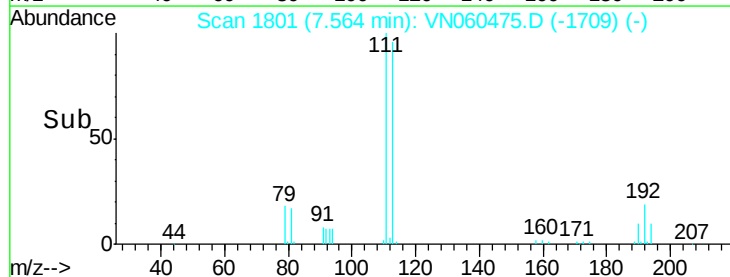
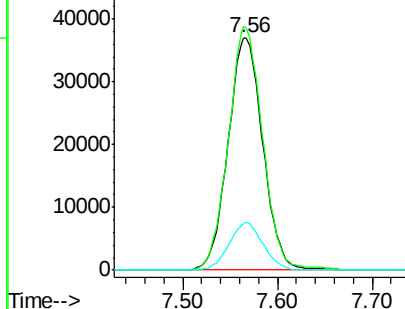


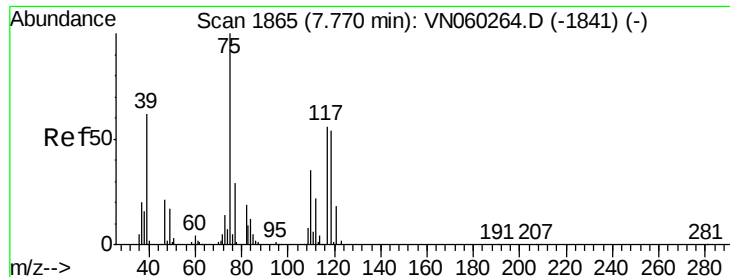
#35
Dibromofluoromethane
Concen: 63.33 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060475.D
Acq: 12 Mar 2020 13:40

Tgt Ion:113 Resp: 94409
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 19.8 16.2 24.2



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: 4.91 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

TP-2-SA

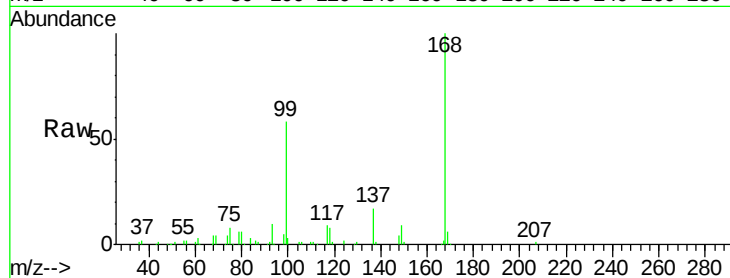
Tgt Ion: 75 Resp: 15029

Ion Ratio Lower Upper

75 100

110 7.5 17.3 52.0#

77 0.0 24.2 36.2#

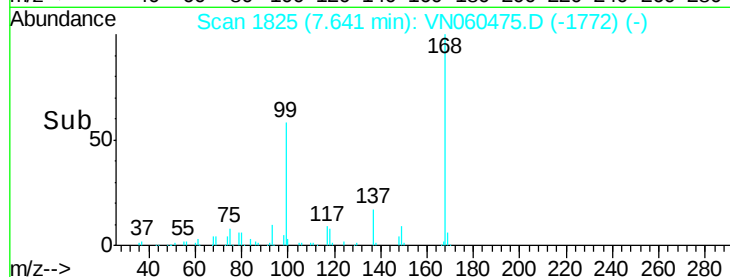


Abundance Ion 74.90 (74.60 to 75.60): VN060475.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060475.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060475.D (-1772) (-)

Time-->

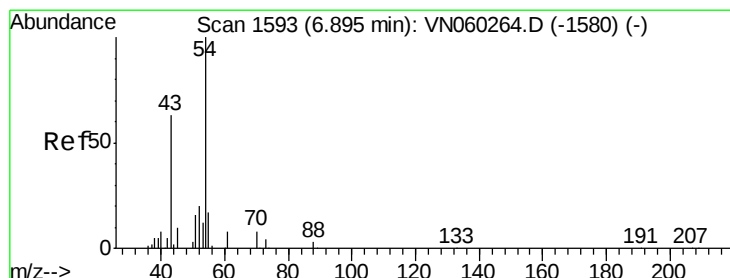


Abundance Ion 74.90 (74.60 to 75.60): VN060475.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060475.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060475.D (-1772) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.46 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.08 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

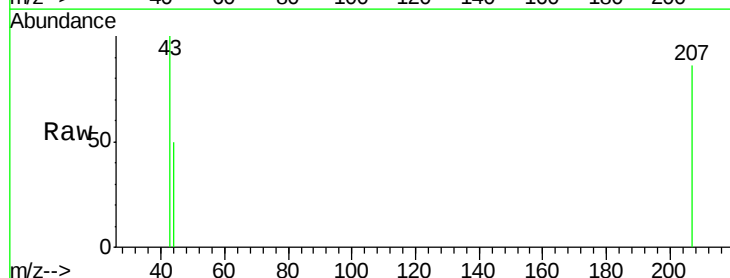
Tgt Ion: 43 Resp: 1345

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#

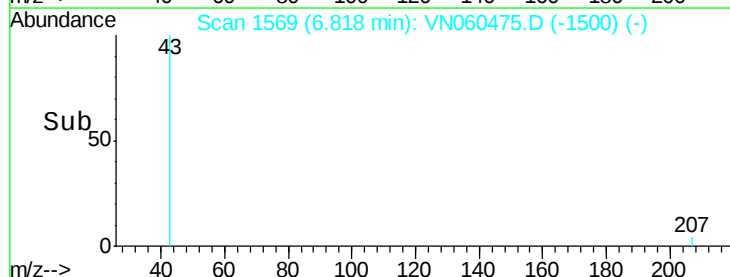


Abundance Ion 43.00 (42.70 to 43.70): VN060475.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060475.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060475.D (-1500) (-)

Time-->

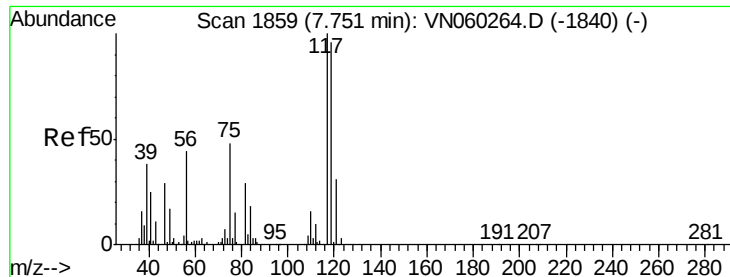


Abundance Ion 43.00 (42.70 to 43.70): VN060475.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060475.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060475.D (-1500) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.19 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

TP-2-SA

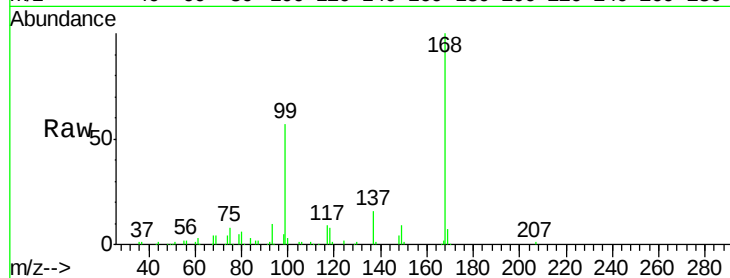
Tgt Ion:117 Resp: 18459

Ion Ratio Lower Upper

117 100

119 5.7 76.7 115.1#

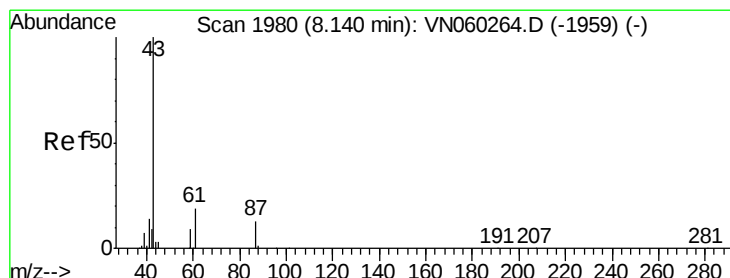
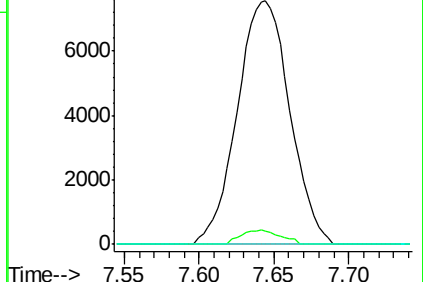
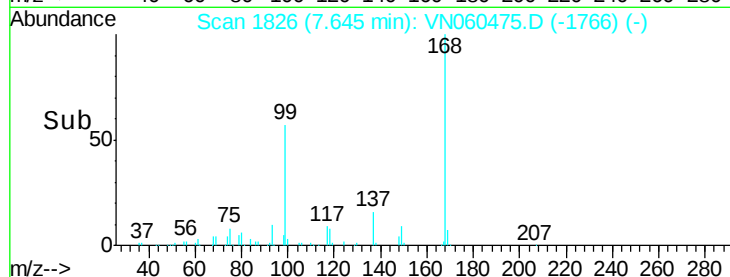
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.94 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

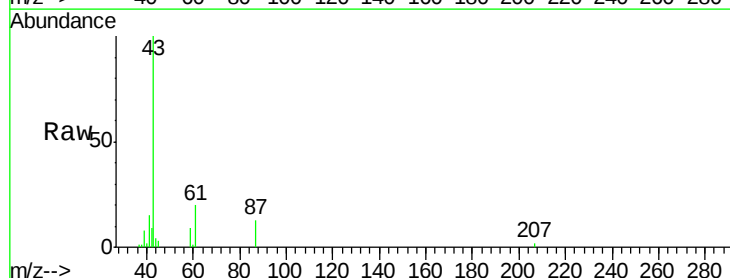
Tgt Ion: 43 Resp: 50452

Ion Ratio Lower Upper

43 100

61 19.4 20.9 31.3#

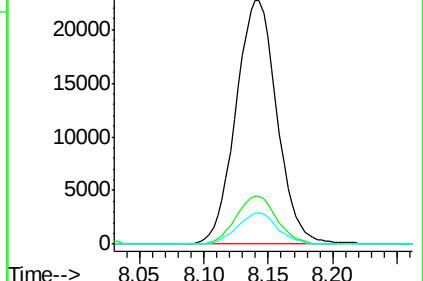
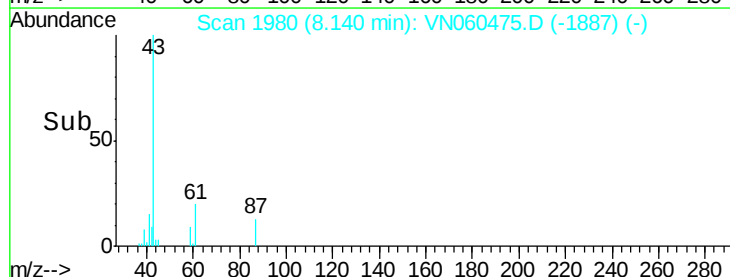
87 12.3 10.6 16.0

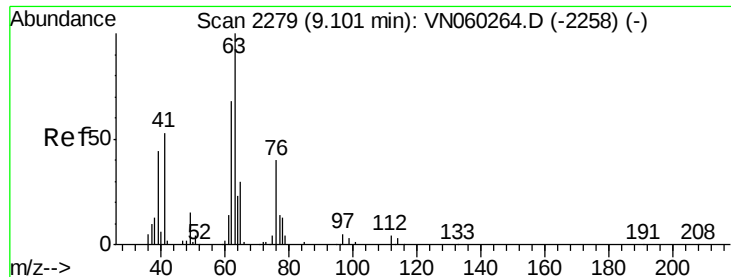


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.39 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

Instrument :

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ClientSampleId :

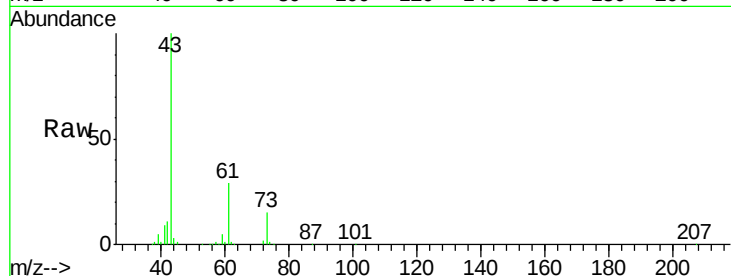
TP-2-SA

Tgt Ion: 63 Resp: 898

Ion Ratio Lower Upper

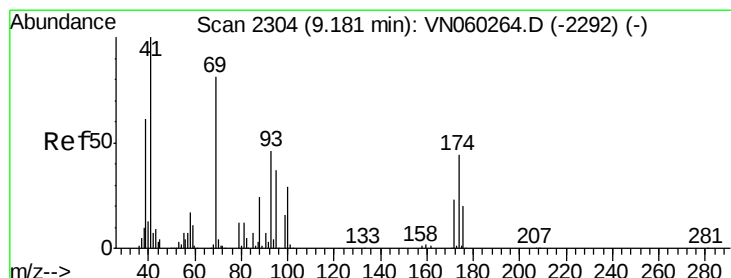
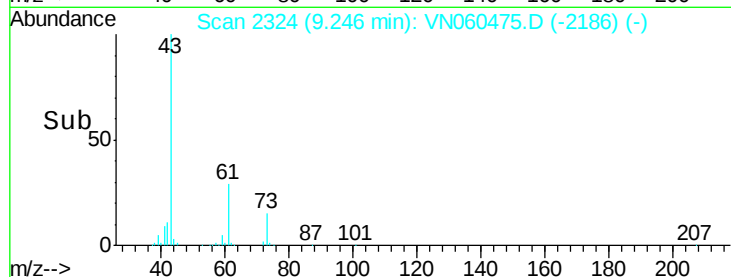
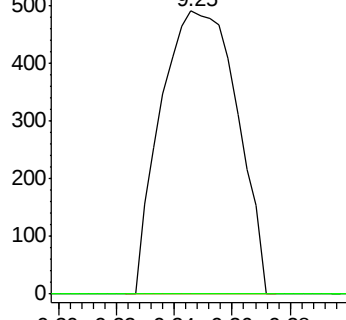
63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.11 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

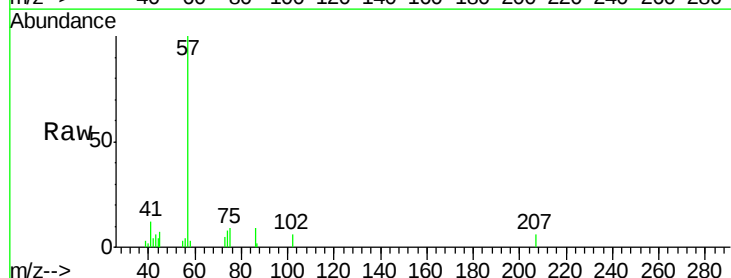
Tgt Ion: 41 Resp: 2566

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

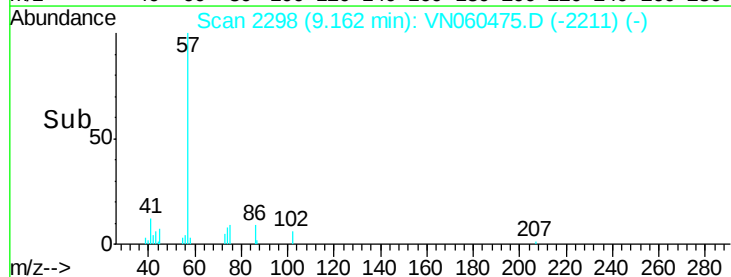
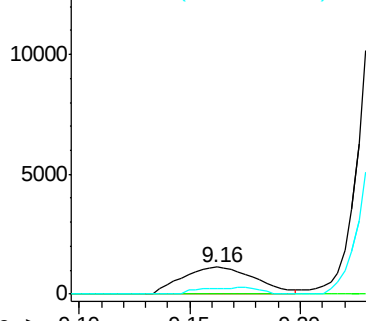
39 0.0 50.1 75.1#

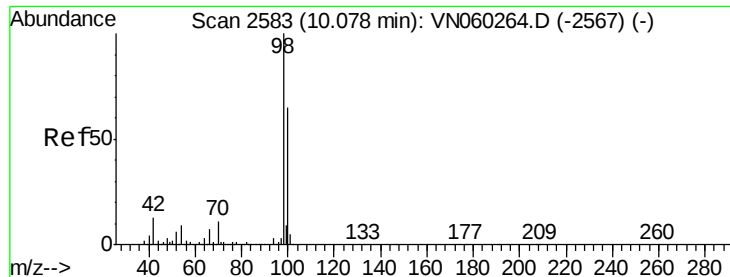


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.40 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

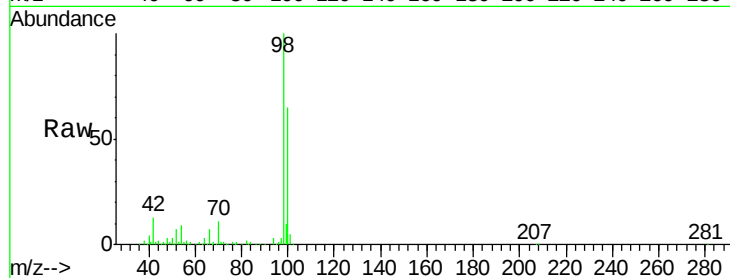
TP-2-SA

Tgt Ion: 98 Resp: 395368

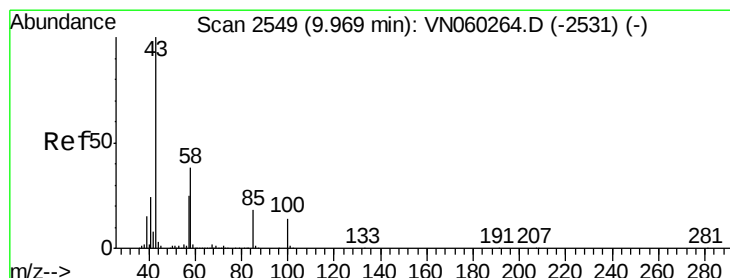
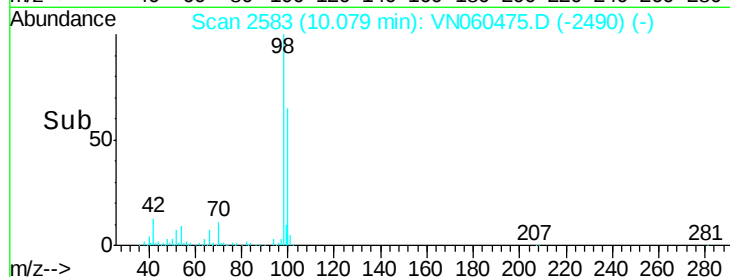
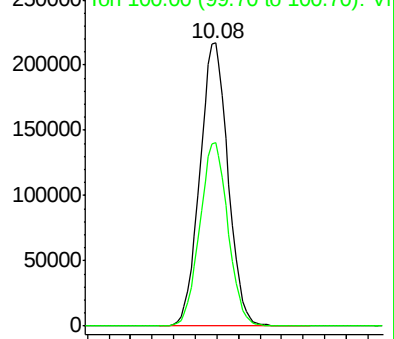
Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.45 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060475.D

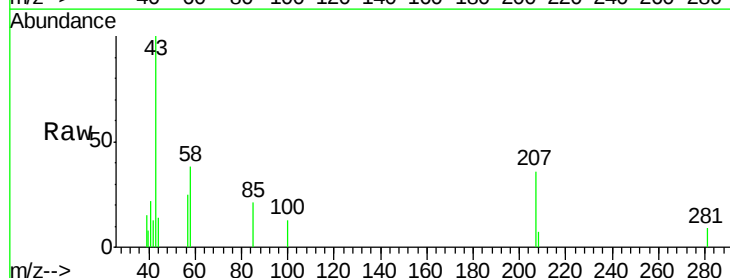
Acq: 12 Mar 2020 13:40

Tgt Ion: 43 Resp: 4166

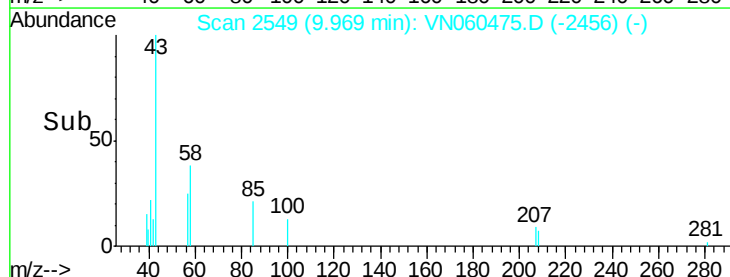
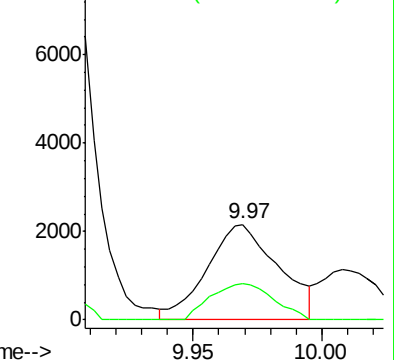
Ion Ratio Lower Upper

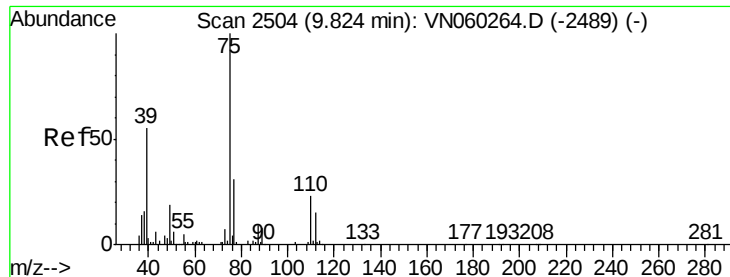
43 100

58 33.8 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)





#54

cis-1,3-Dichloropropene

Concen: 5.37 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

TP-2-SA

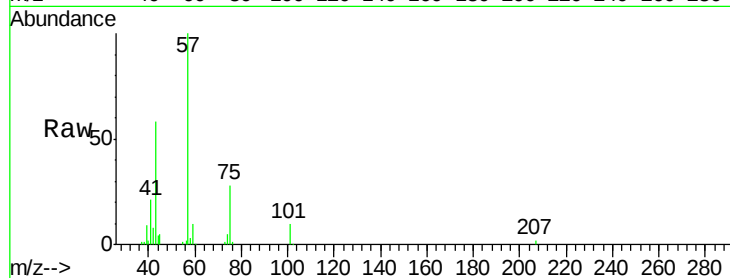
Tgt Ion: 75 Resp: 20970

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

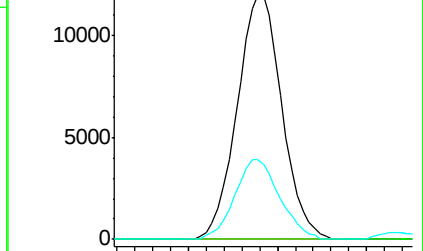
39 32.9 43.8 65.8#



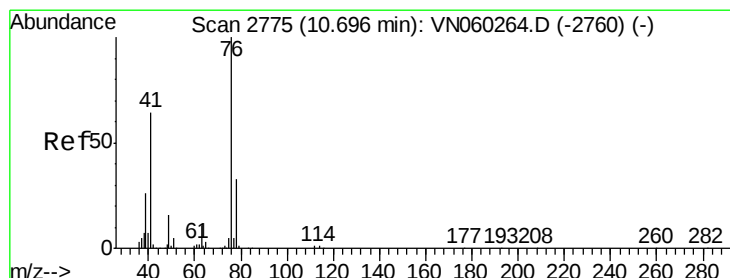
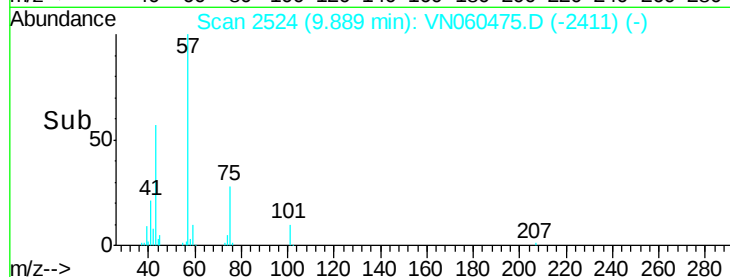
Abundance Ion 74.90 (74.60 to 75.60): VN060475.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060475.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060475.D (-2411) (-)



Time-->



#57

1,3-Dichloropropane

Concen: 0.88 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060475.D

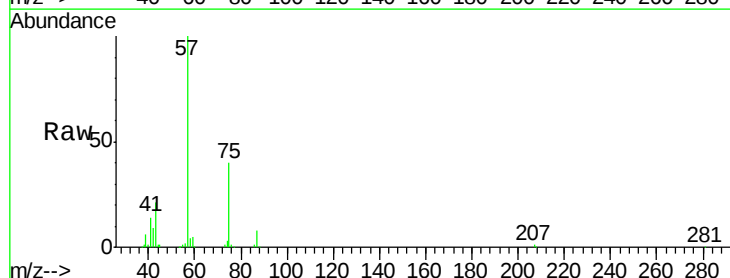
Acq: 12 Mar 2020 13:40

Tgt Ion: 76 Resp: 3215

Ion Ratio Lower Upper

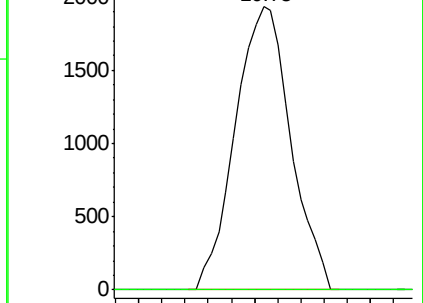
76 100

78 0.0 26.2 39.2#

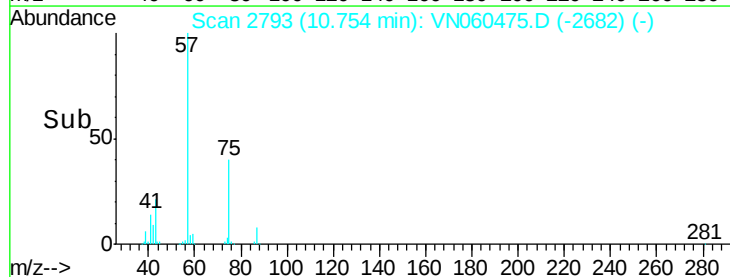


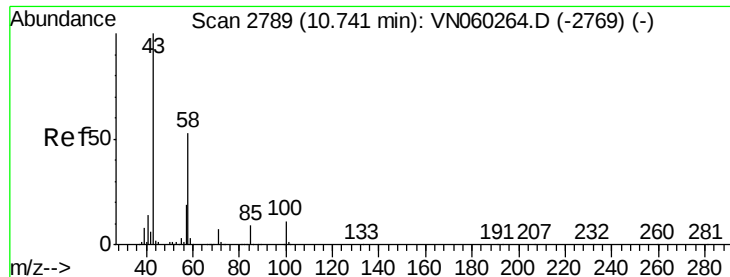
Abundance Ion 75.90 (75.60 to 76.60): VN060475.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060475.D (-2682) (-)



Time-->

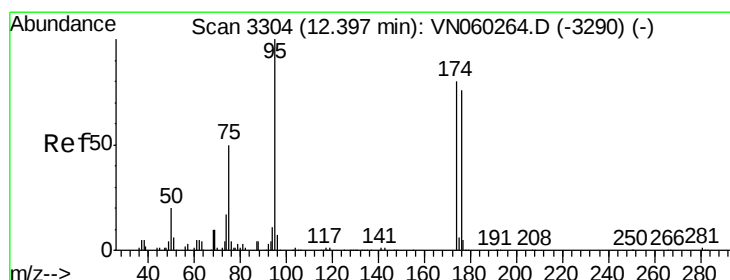
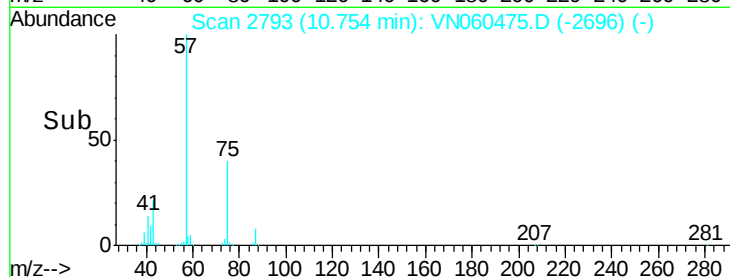
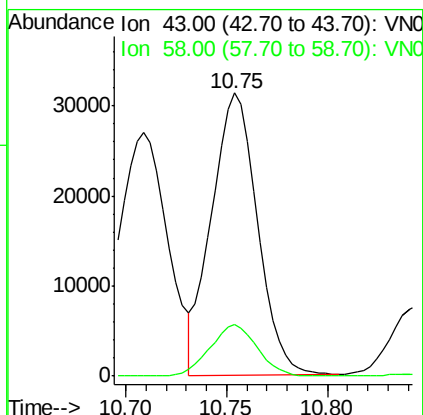
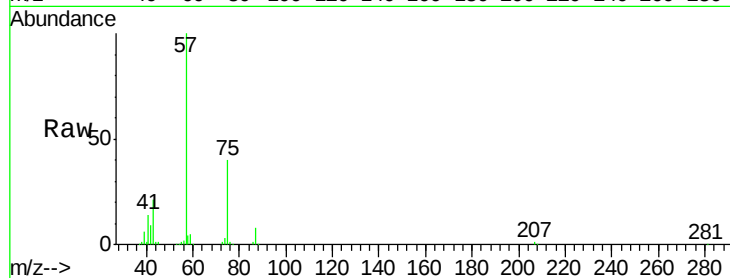




#59
2-Hexanone
Concen: 23.47 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060475.D
Acq: 12 Mar 2020 13:40

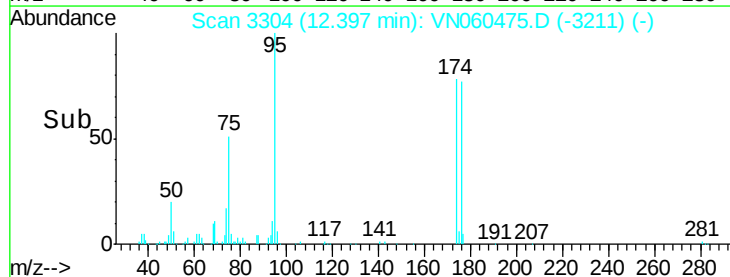
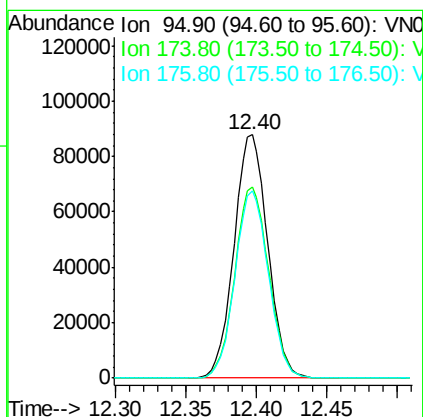
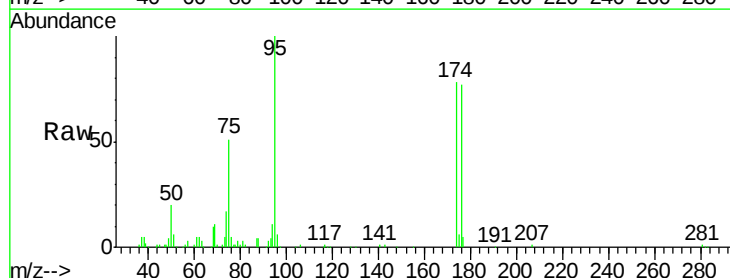
Instrument :
MSVOA_N
ClientSampleId :
TP-2-SA

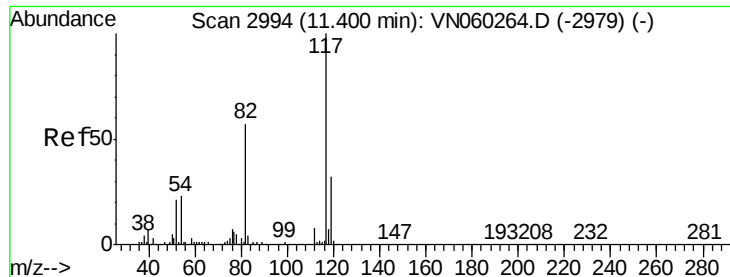
Tgt Ion: 43 Resp: 49570
Ion Ratio Lower Upper
43 100
58 18.7 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.42 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060475.D
Acq: 12 Mar 2020 13:40

Tgt Ion: 95 Resp: 147068
Ion Ratio Lower Upper
95 100
174 78.9 0.0 159.2
176 76.5 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

TP-2-SA

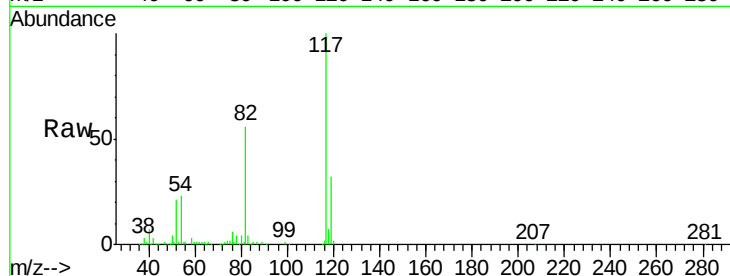
Tgt Ion:117 Resp: 299497

Ion Ratio Lower Upper

117 100

82 56.3 45.8 68.6

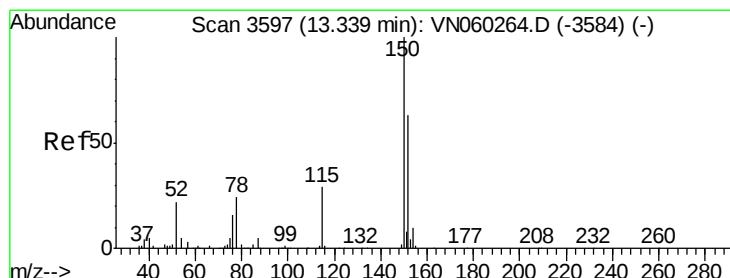
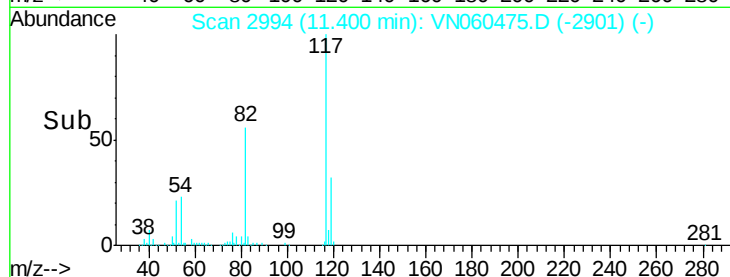
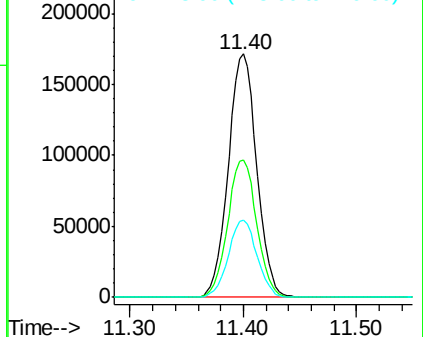
119 31.7 25.8 38.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

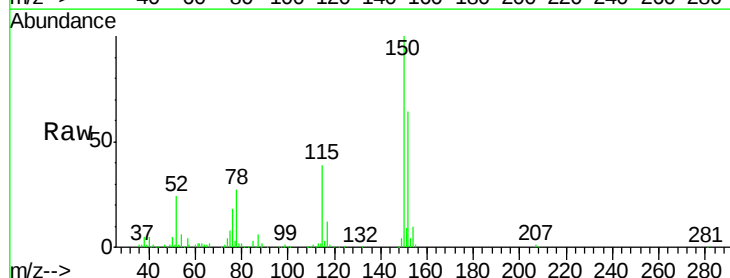
Tgt Ion:152 Resp: 136652

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.0

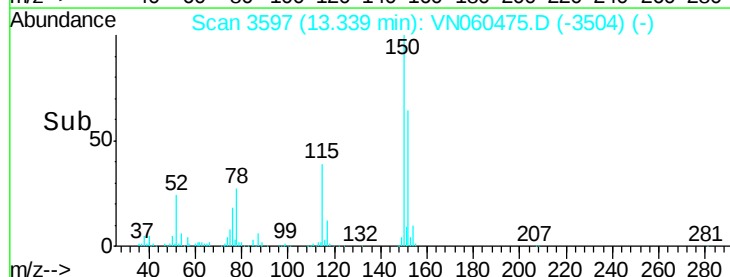
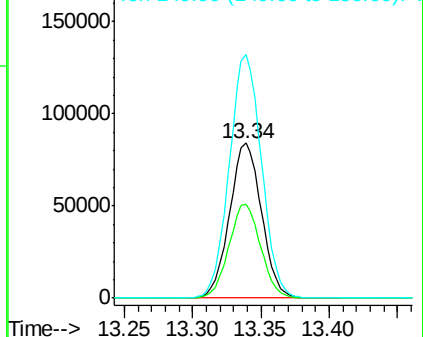
150 158.4 0.0 349.6

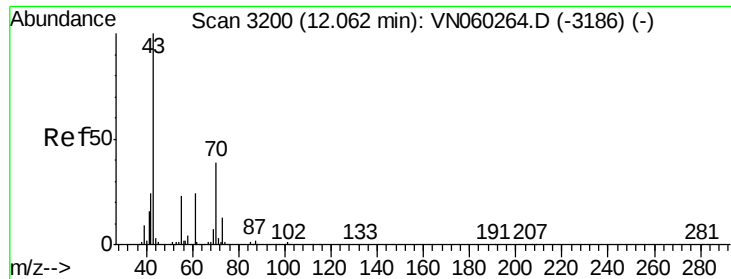


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.47 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

TP-2-SA

Tgt Ion: 43 Resp: 2099

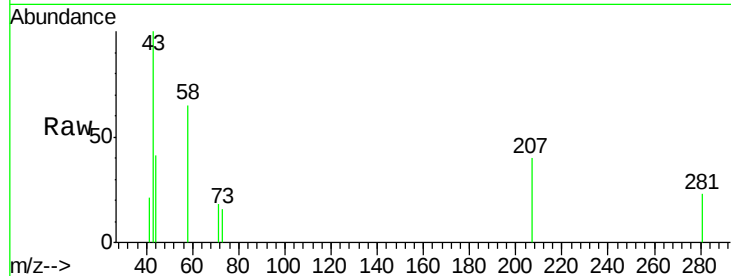
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

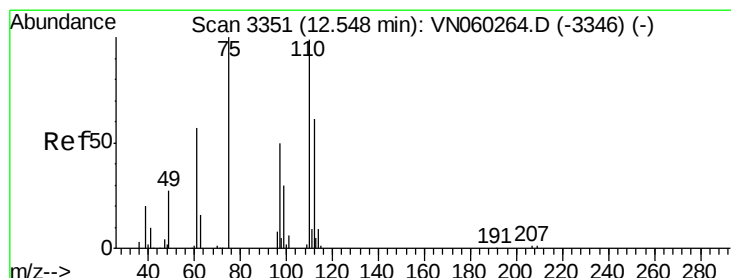
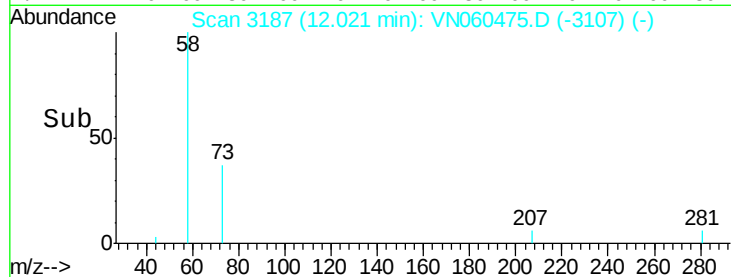
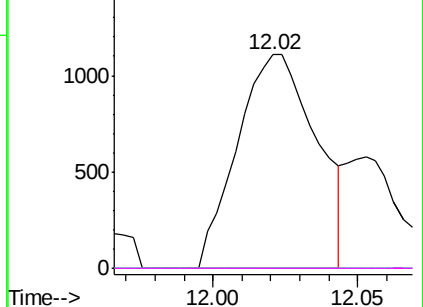


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 24.92 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060475.D

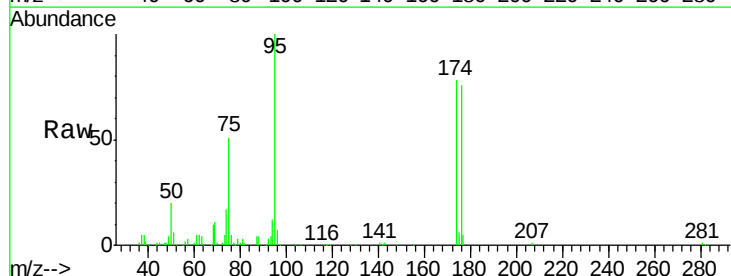
Acq: 12 Mar 2020 13:40

Tgt Ion: 75 Resp: 74699

Ion Ratio Lower Upper

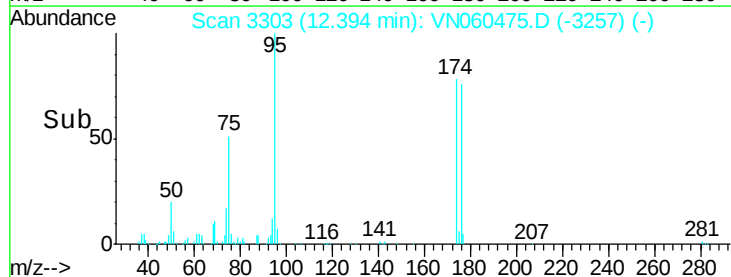
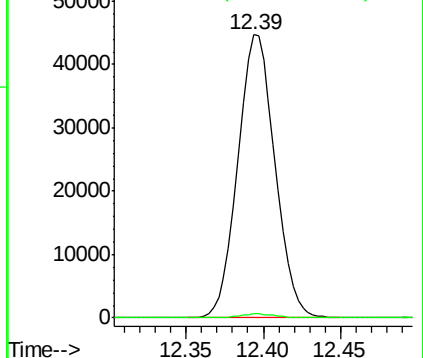
75 100

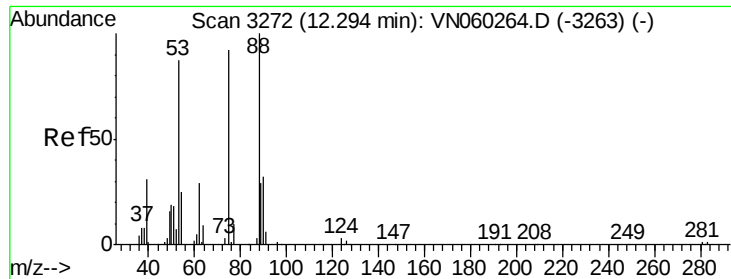
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.78 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

TP-2-SA

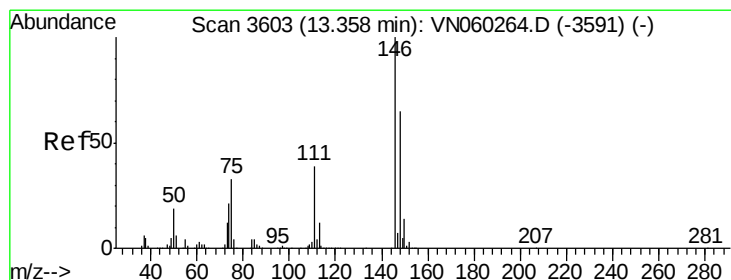
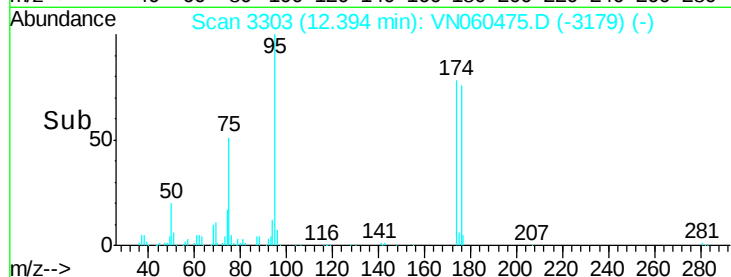
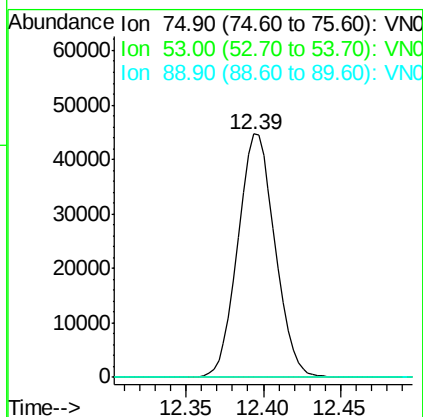
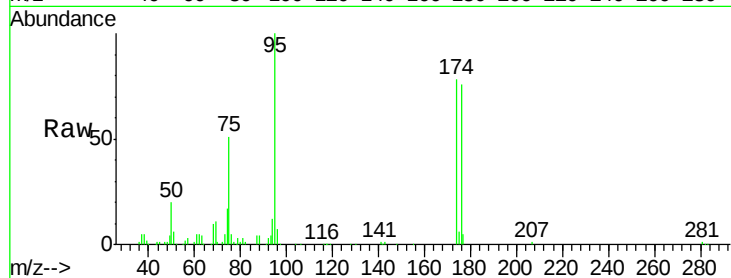
Tgt Ion: 75 Resp: 74699

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.35 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN060475.D

Acq: 12 Mar 2020 13:40

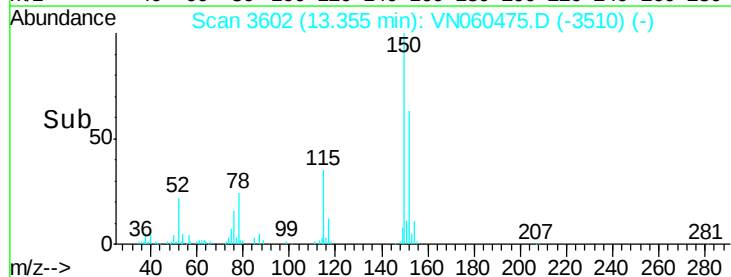
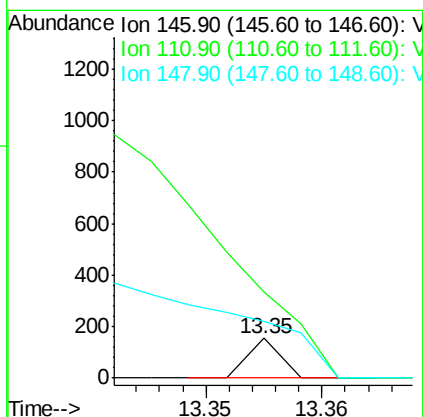
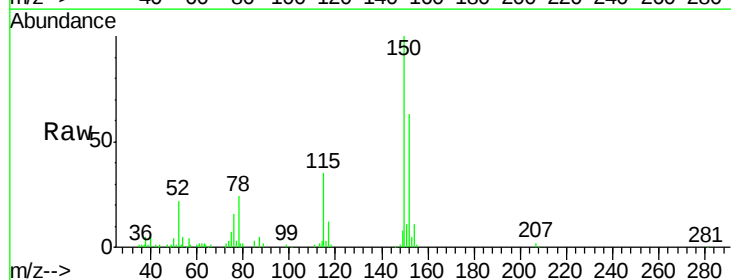
Tgt Ion: 146 Resp: 30

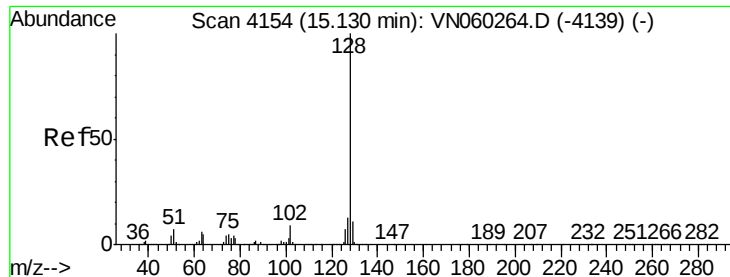
Ion Ratio Lower Upper

146 100

111 5573.3 19.8 59.4#

148 1750.0 32.3 96.9#





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060475.D

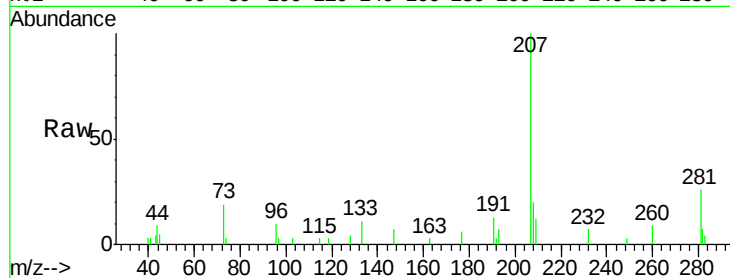
Acq: 12 Mar 2020 13:40

Instrument :

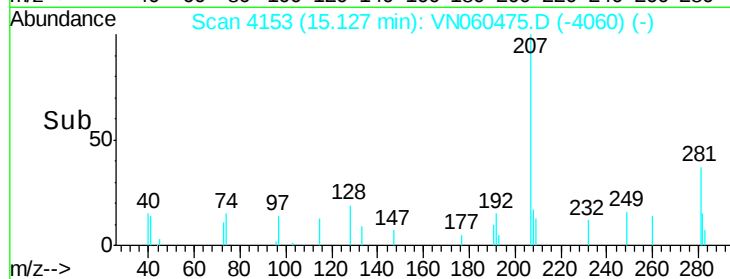
MSVOA_N

ClientSampleId :

TP-2-SA



Tgt Ion:	128	Resp:	195
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

