

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064024.D
 Acq On : 9 Oct 2020 6:28
 Operator : JC/MD
 Sample : L4292-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

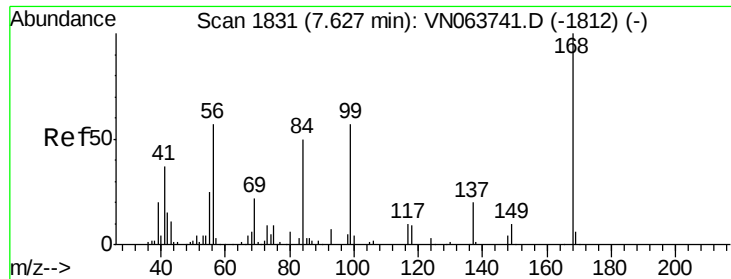
Quant Time: Oct 09 07:07:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	244653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	454905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	478248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	182489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	203077	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
35) Dibromofluoromethane	7.55	113	154123	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	10.06	98	591254	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.38	95	216225	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	17513	14.076	ug/l	97
17) Carbon Disulfide	4.01	76	821	0.822	ug/l #	76
18) Methyl Acetate	4.28	43	1771	0.548	ug/l #	75
20) Methylene Chloride	4.51	84	9510	3.428	ug/l	96
29) Tetrahydrofuran	7.17	42	765	0.647	ug/l #	36
31) Cyclohexane	7.62	56	7114	1.516	ug/l #	42
36) 1,1-Dichloropropene	7.62	75	21020	4.561	ug/l #	46
37) Ethyl Acetate	6.81	43	2489	0.544	ug/l #	70
38) Carbon Tetrachloride	7.62	117	25151	4.867	ug/l #	16
43) Isopropyl Acetate	8.13	43	85204	11.282	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1529	0.430	ug/l #	44
48) Methyl methacrylate	9.14	41	4380	1.174	ug/l #	12
49) 1,4-Dioxane	9.24	88	61	1.150	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	7430	1.676	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	25958	4.581	ug/l #	65
56) Ethyl methacrylate	10.51	69	2214	0.478	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	1945	0.352	ug/l #	43
59) 2-Hexanone	10.74	43	32416	9.846	ug/l #	57
74) N-amyl acetate	12.03	43	751	2.332	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	116633	28.993	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116633	83.505	ug/l #	6
95) Naphthalene	15.10	128	72	1.931	ug/l #	69

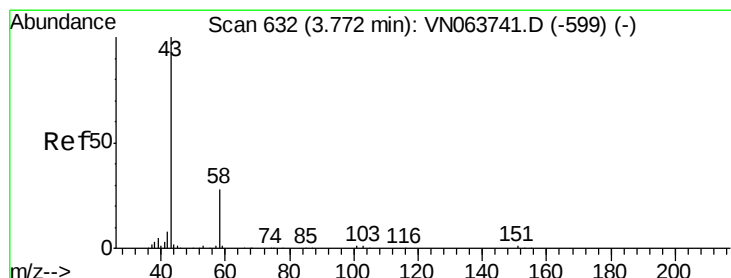
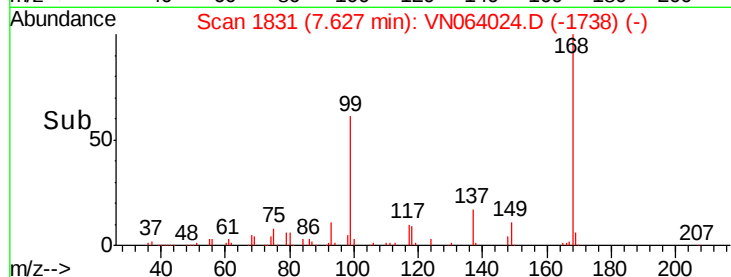
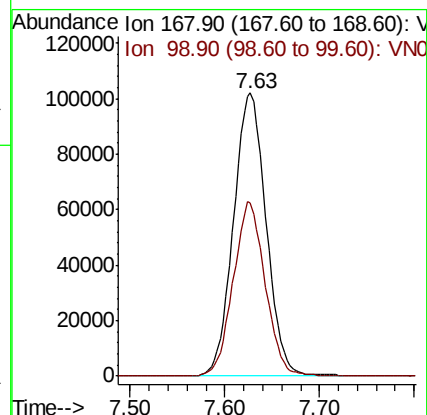
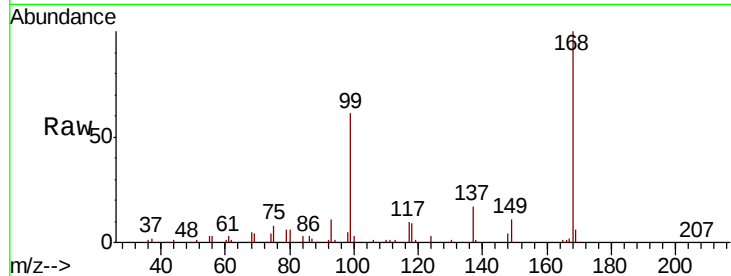
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

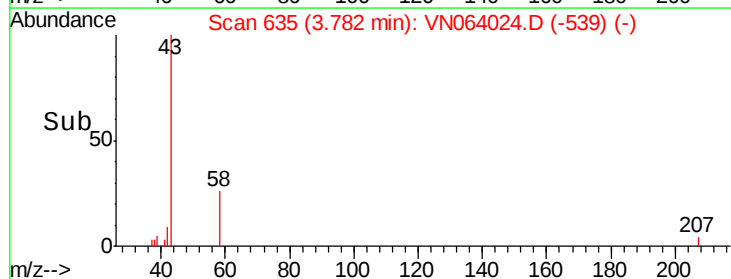
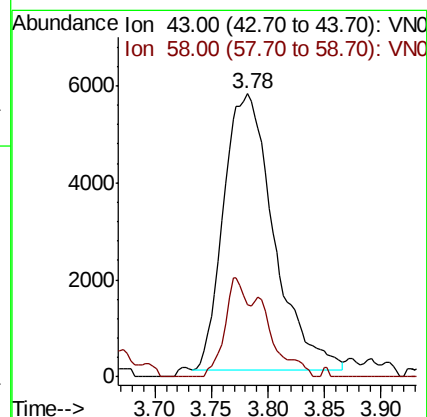
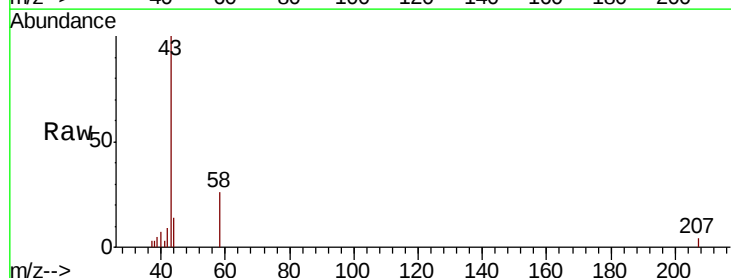
Instrument :
MSVOA_N
ClientSampled :

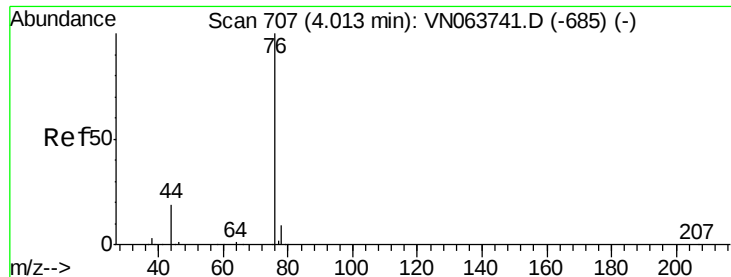
Tot Ion:168 Resp: 244653
Ion Ratio Lower Upper
168 100
99 61.1 51.8 77.6



#16
Acetone
Concen: 14.076 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

Tgt Ion: 43 Resp: 17513
Ion Ratio Lower Upper
43 100
58 26.4 22.3 33.5





#17

Carbon Disulfide

Concen: 0.822 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

Instrument :

MSVOA_N

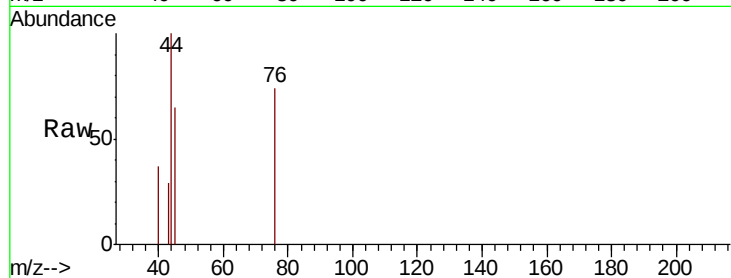
ClientSampled :

Tot Ion: 76 Resp: 821

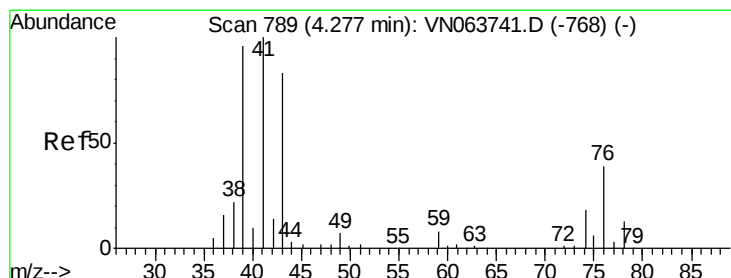
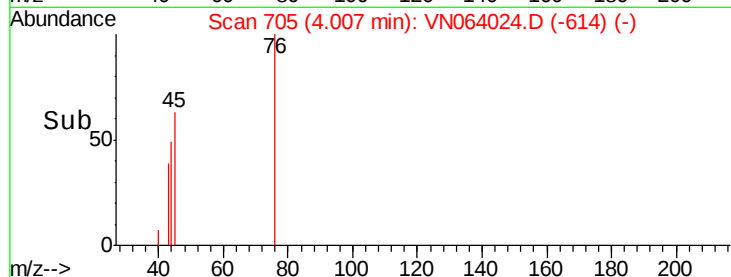
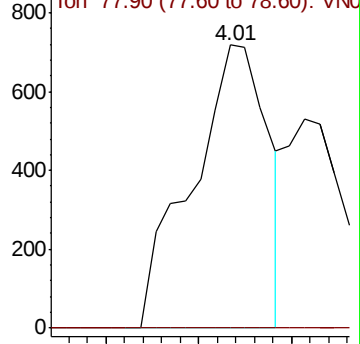
Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)



#18

Methyl Acetate

Concen: 0.548 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064024.D

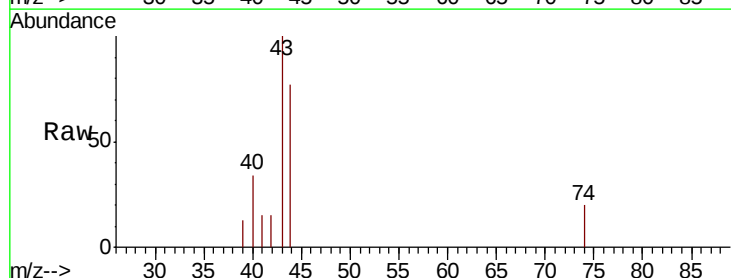
Acq: 9 Oct 2020 6:28

Tgt Ion: 43 Resp: 1771

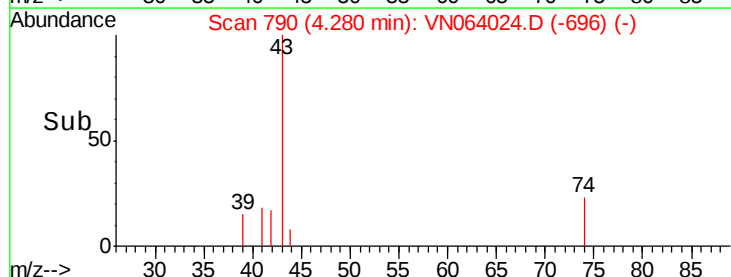
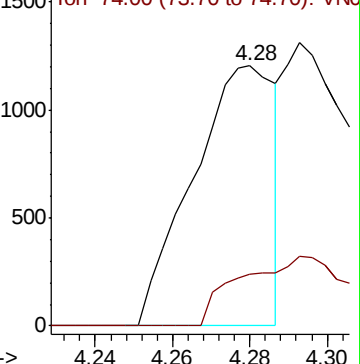
Ion Ratio Lower Upper

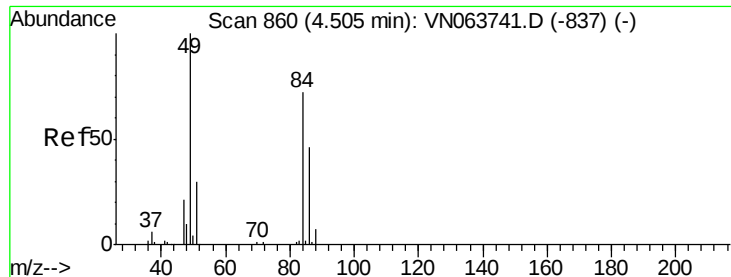
43 100

74 33.9 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.30): VN063741.D (-768) (-)

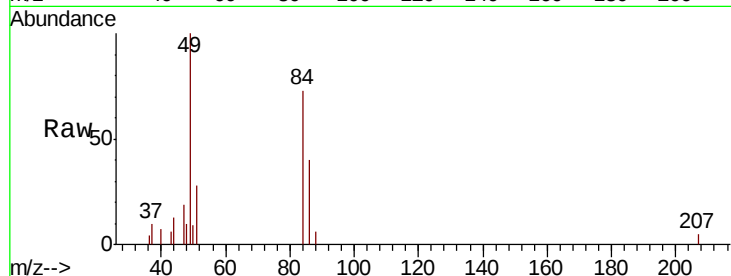




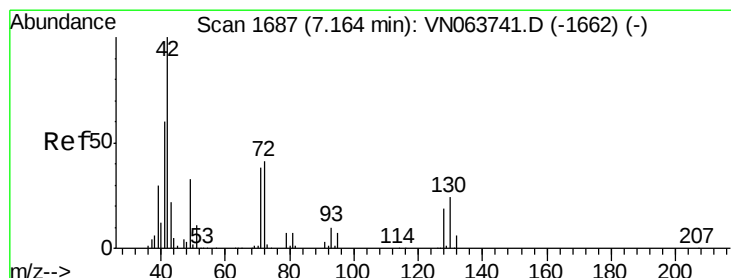
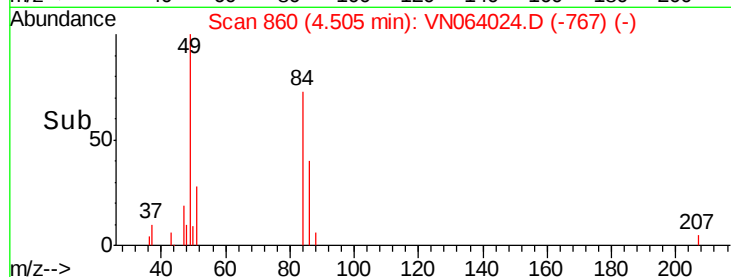
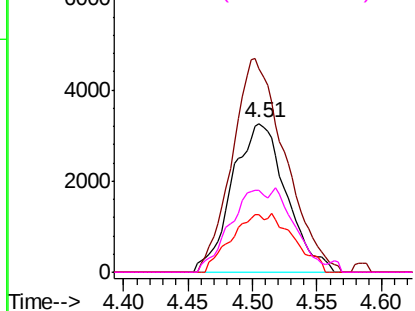
#20
Methvlene Chloride
Concen: 3.428 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	84	Resp:	9510
Ion	Ratio	Lower	Upper
84	100		
49	136.7	110.4	165.6
51	38.4	33.3	49.9
86	54.9	50.7	76.1

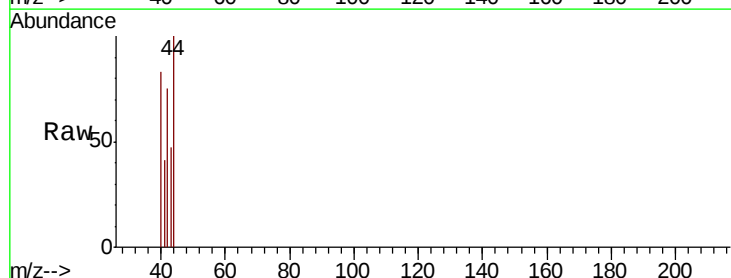


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

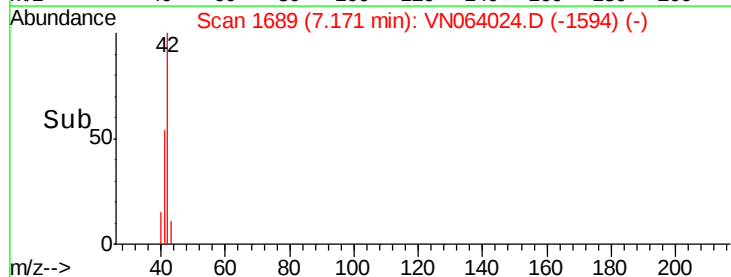
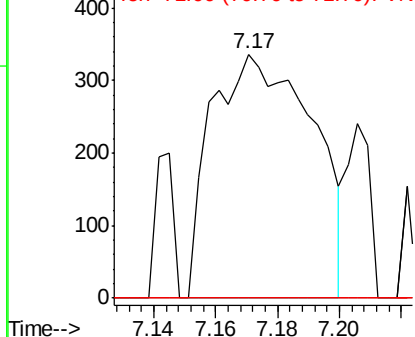


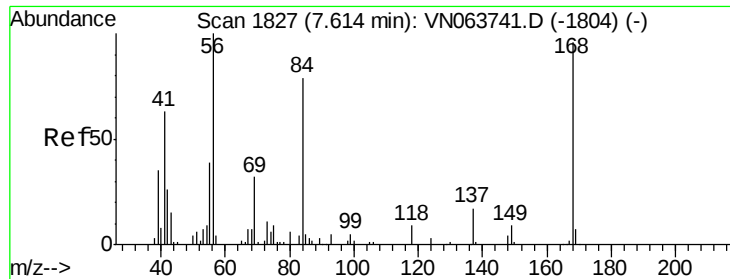
#29
Tetrahydrofuran
Concen: 0.647 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

Tgt Ion:	42	Resp:	765
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	0.0	30.6	45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

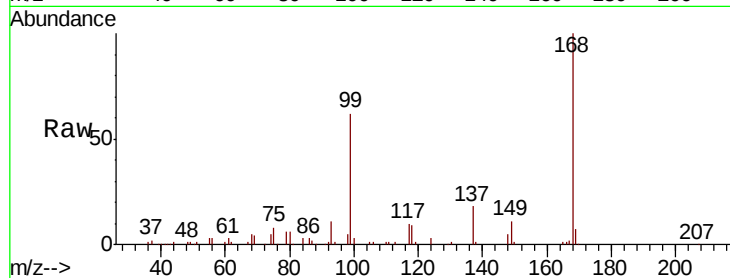




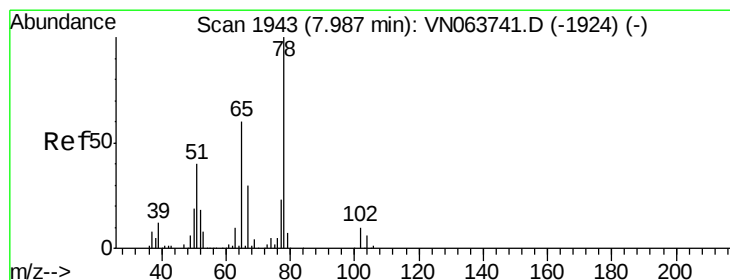
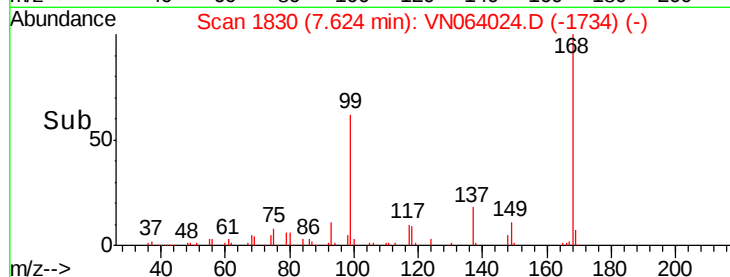
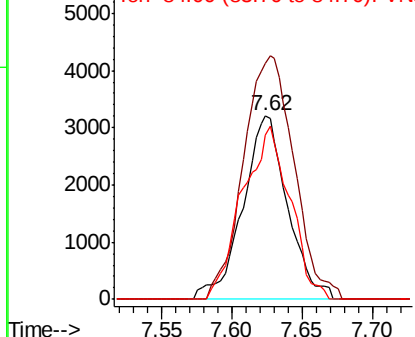
#31
Cyclohexane
Concen: 1.516 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 7114
Ion Ratio Lower Upper
56 100
69 128.1 25.4 38.2#
84 89.0 63.3 94.9

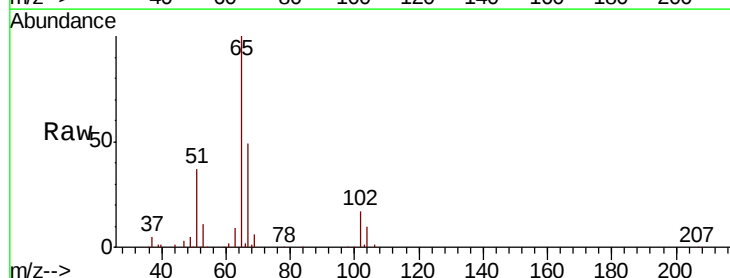


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

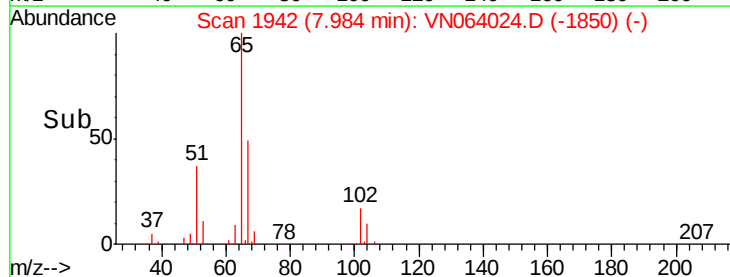
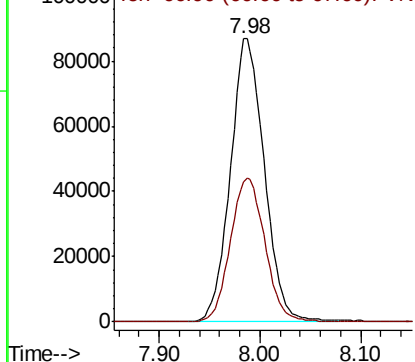


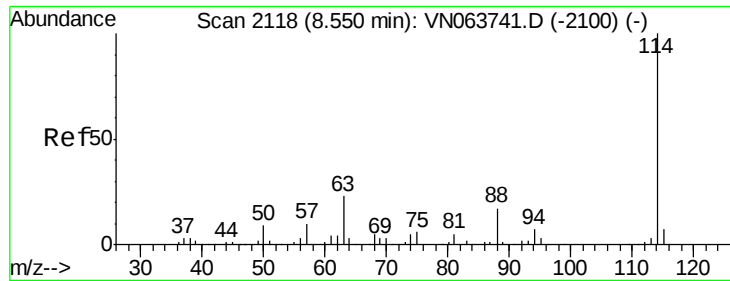
#33
1,2-Dichloroethane-d4
Concen: 50.244 ug/l
RT: 7.98 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

Tgt Ion: 65 Resp: 203077
Ion Ratio Lower Upper
65 100
67 51.6 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

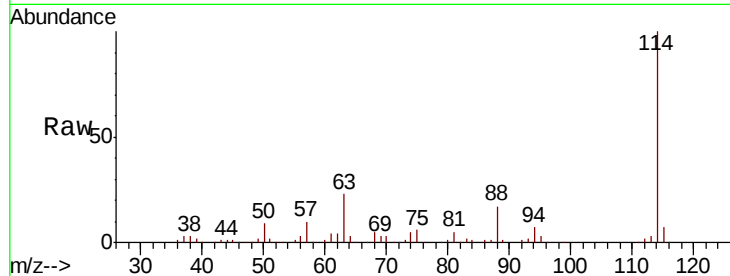




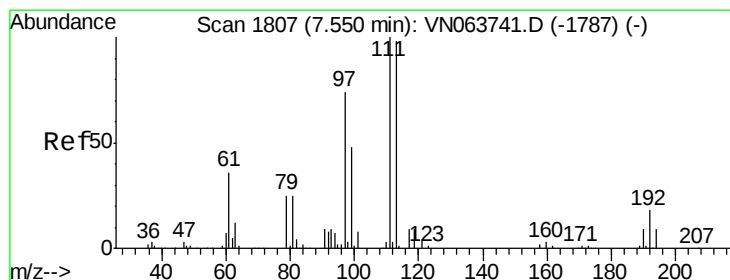
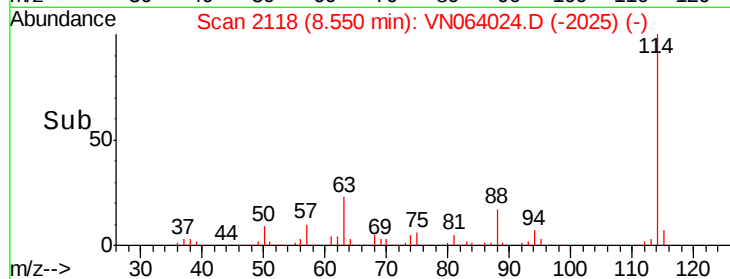
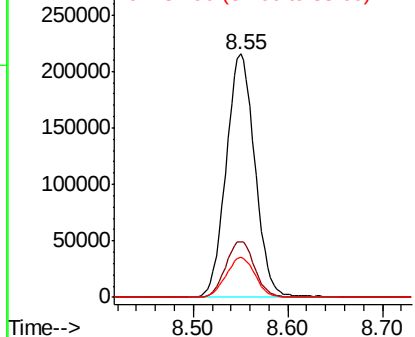
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064024.D
 Acq: 9 Oct 2020 6:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 454905
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.0
 88 16.7 0.0 34.0

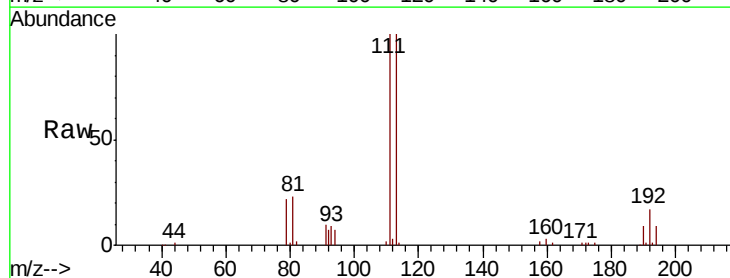


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

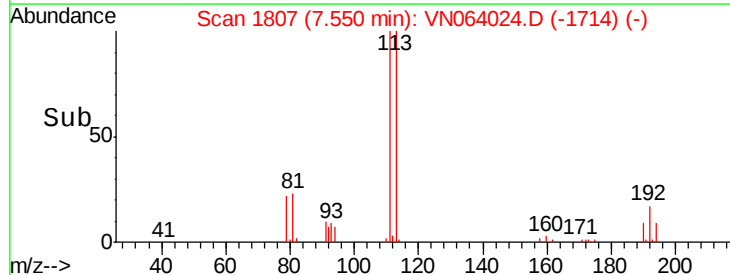
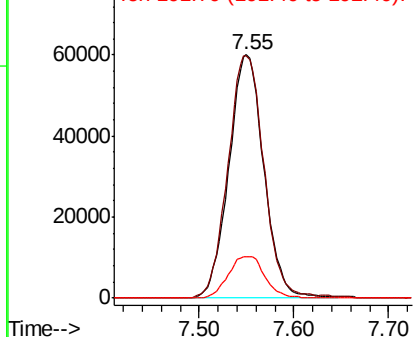


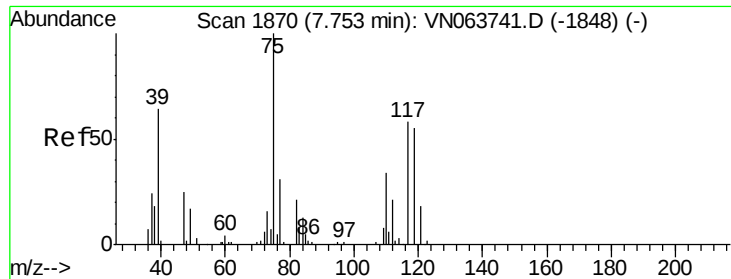
#35
 Dibromofluoromethane
 Concen: 48.828 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064024.D
 Acq: 9 Oct 2020 6:28

Tgt Ion:113 Resp: 154123
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.8
 192 17.8 14.2 21.2



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

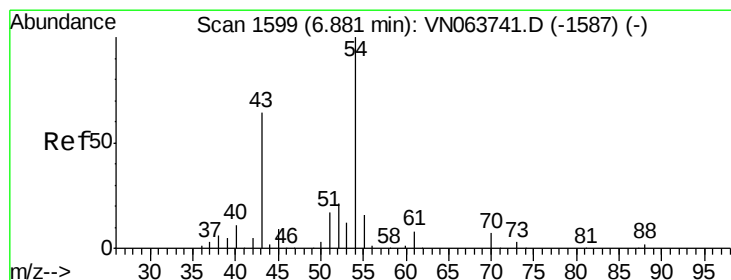
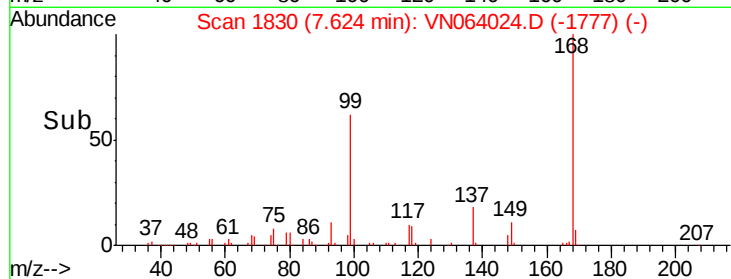
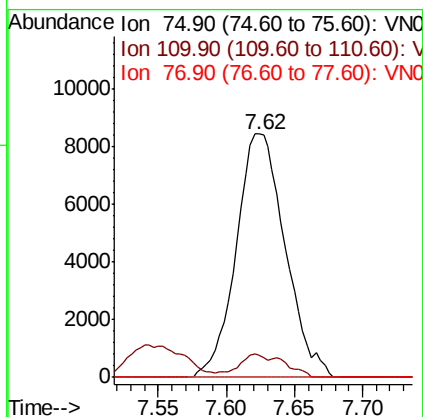
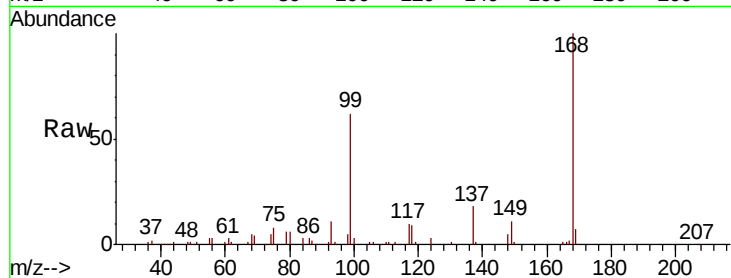




#36
 1,1-Dichloropropene
 Concen: 4.561 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064024.D
 Acq: 9 Oct 2020 6:28

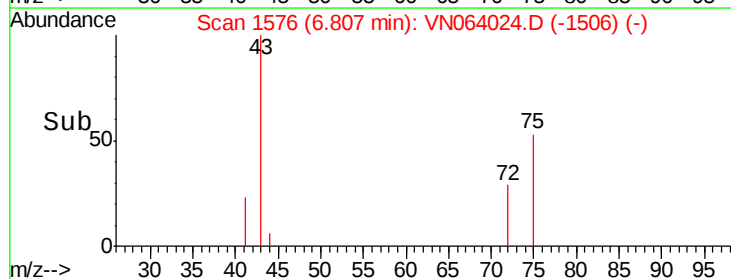
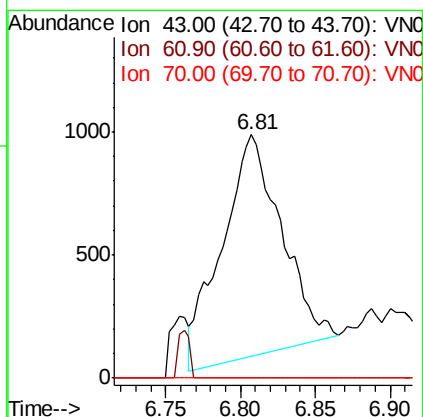
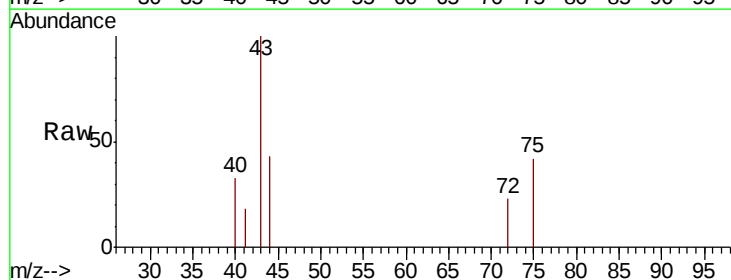
Instrument :
 MSVOA_N
 ClientSampled :

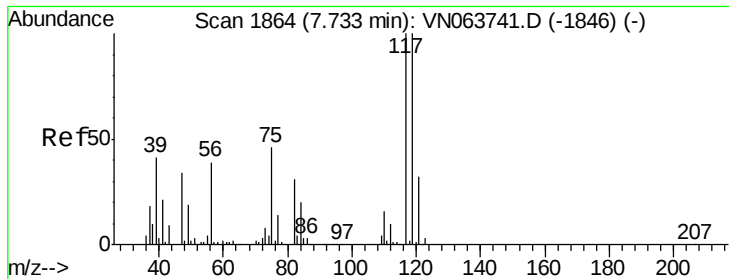
Tot Ion: 75 Resp: 21020
 Ion Ratio Lower Upper
 75 100
 110 3.5 16.9 50.6#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 0.544 ug/l
 RT: 6.81 min Scan# 1576
 Delta R.T. -0.07 min
 Lab File: VN064024.D
 Acq: 9 Oct 2020 6:28

Tgt Ion: 43 Resp: 2489
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 0.0 7.3 10.9#





#38

Carbon Tetrachloride

Concen: 4.867 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

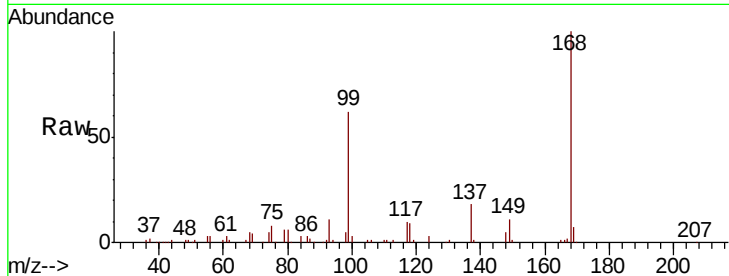
Tot Ion:117 Resp: 25151

Ion Ratio Lower Upper

117 100

119 6.9 80.1 120.1#

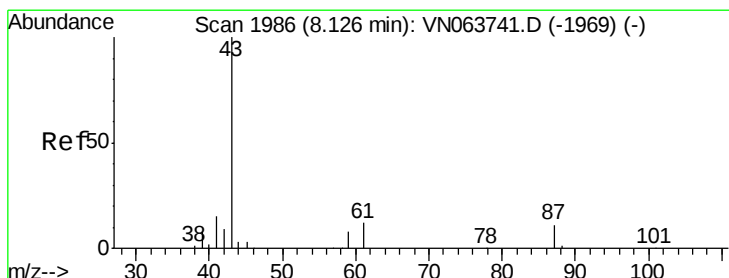
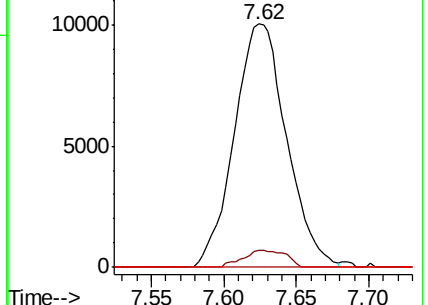
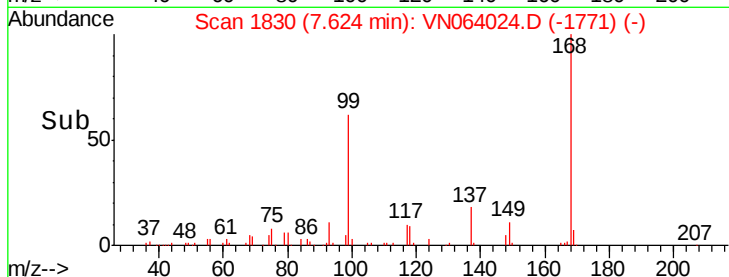
121 0.0 25.7 38.5#



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: 11.282 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

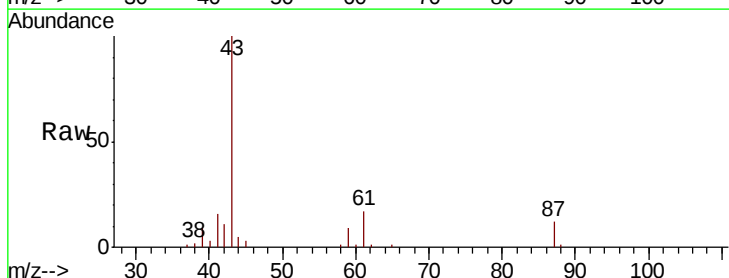
Tgt Ion: 43 Resp: 85204

Ion Ratio Lower Upper

43 100

61 17.8 14.2 21.4

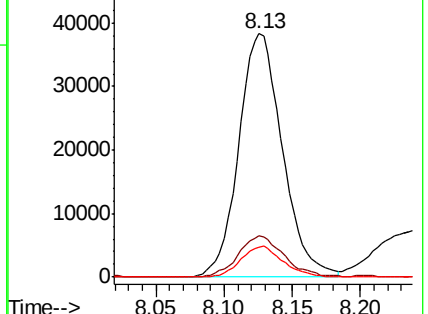
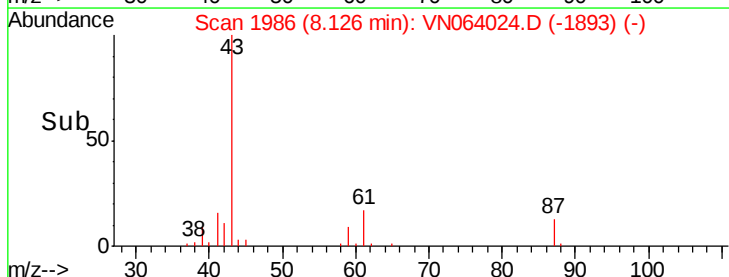
87 12.0 9.0 13.6

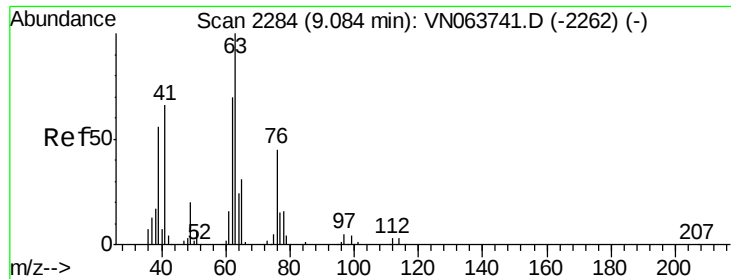


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.430 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

Instrument :

MSVOA_N

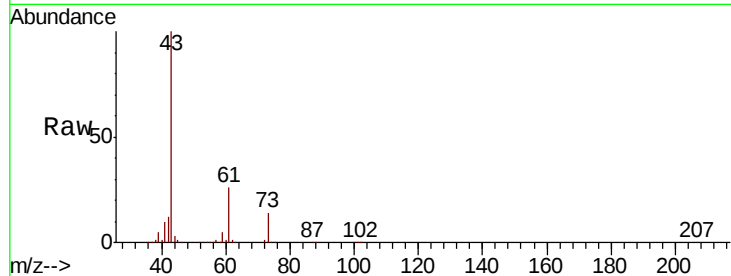
ClientSampled :

Tot Ion: 63 Resp: 1529

Ion Ratio Lower Upper

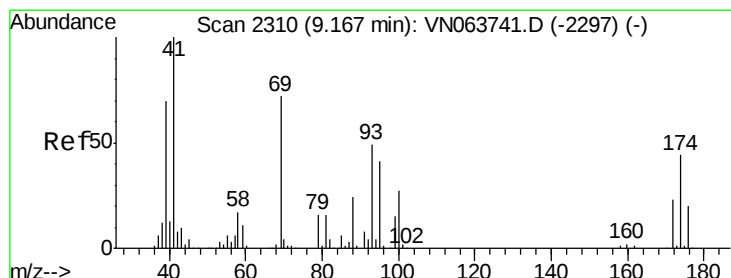
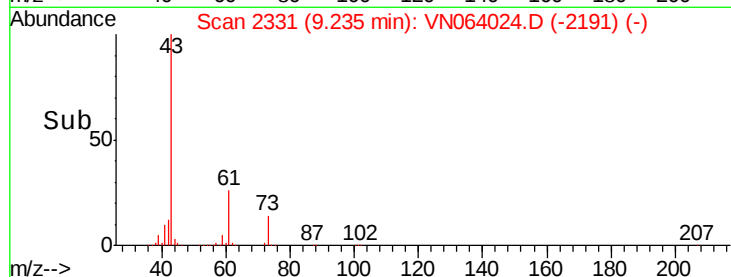
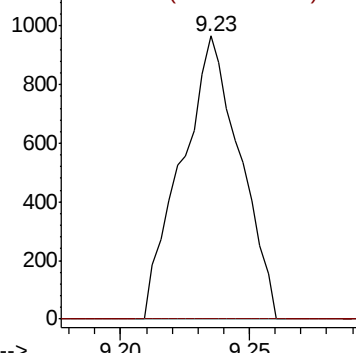
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.174 ug/l

RT: 9.14 min Scan# 2302

Delta R.T. -0.03 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

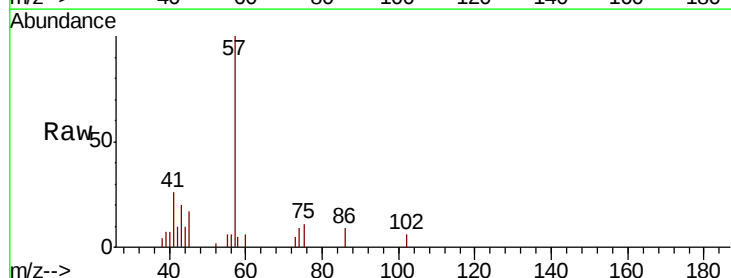
Tgt Ion: 41 Resp: 4380

Ion Ratio Lower Upper

41 100

69 0.0 60.9 91.3#

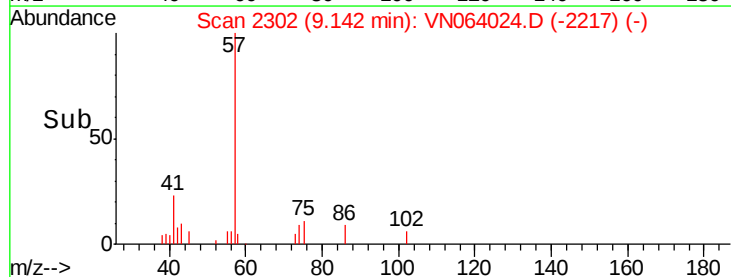
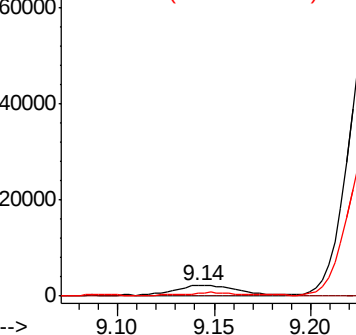
39 0.0 57.5 86.3#

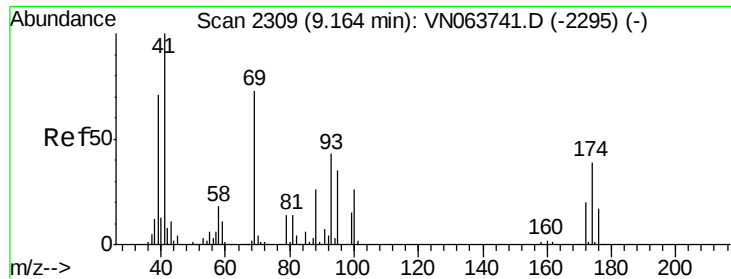


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

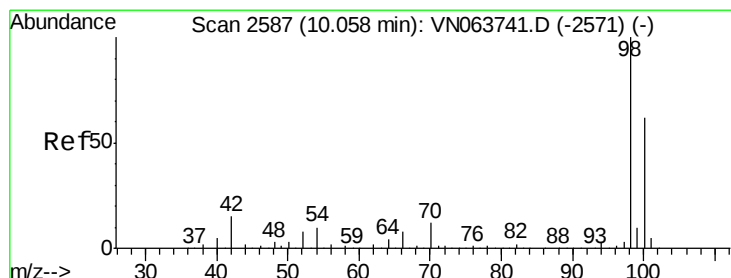
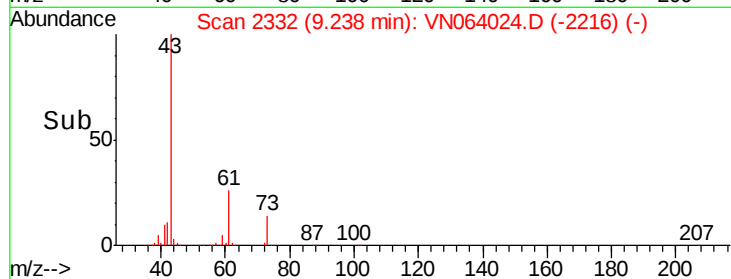
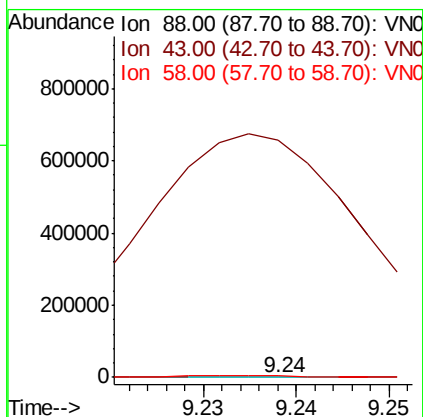
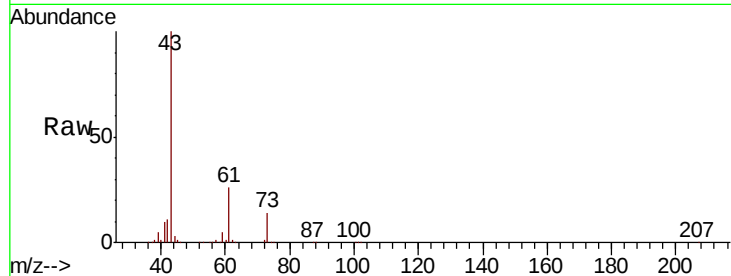




#49
1,4-Dioxane
Concen: 1.150 ug/l
RT: 9.24 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

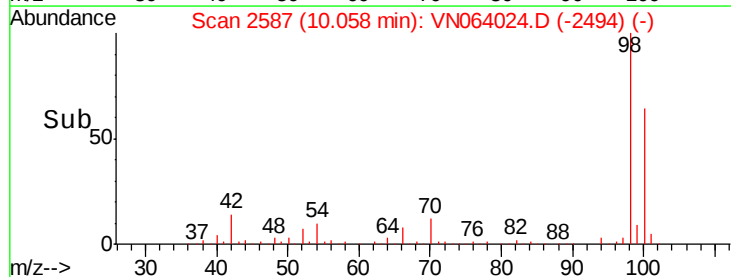
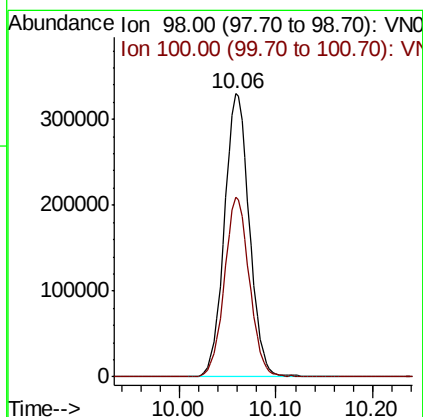
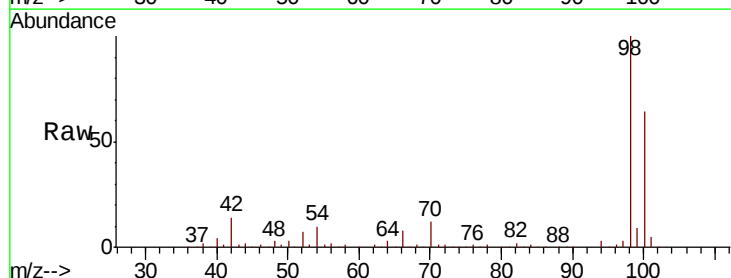
Instrument :
MSVOA_N
ClientSampled :

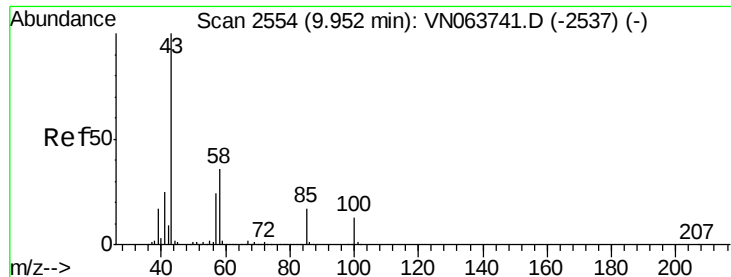
Tot Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 2048495.1 33.1 49.7#
58 10660.7 58.9 88.3#



#50
Toluene-d8
Concen: 49.412 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

Tgt Ion: 98 Resp: 591254
Ion Ratio Lower Upper
98 100
100 63.7 49.8 74.6





#51

4-Methyl-2-Pentanone

Concen: 1.676 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

Instrument :

MSVOA_N

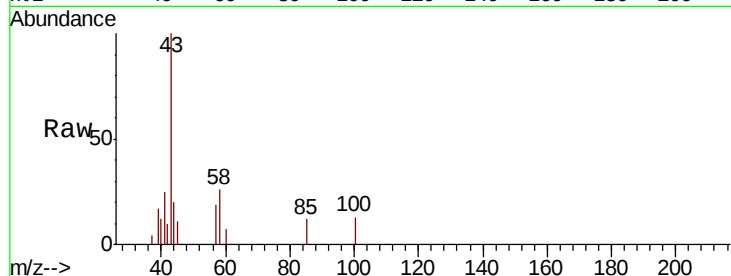
ClientSampled :

Tot Ion: 43 Resp: 7430

Ion Ratio Lower Upper

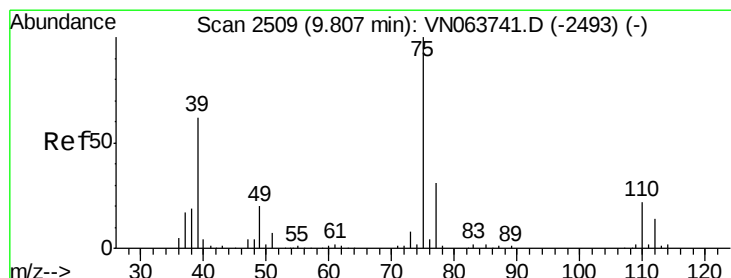
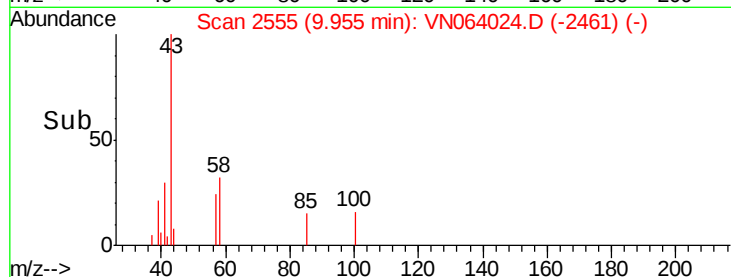
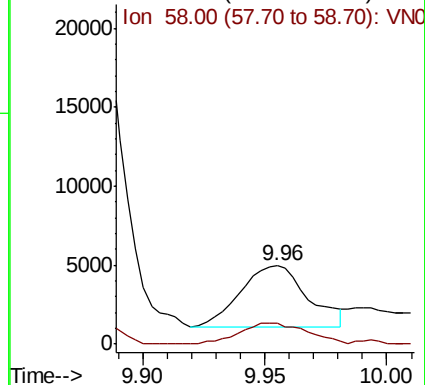
43 100

58 34.7 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2537) (-)



#54

cis-1,3-Dichloropropene

Concen: 4.581 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

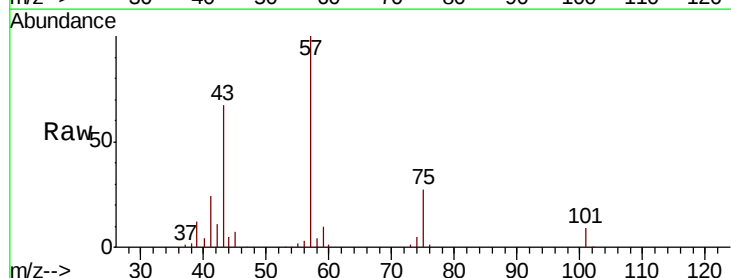
Tgt Ion: 75 Resp: 25958

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

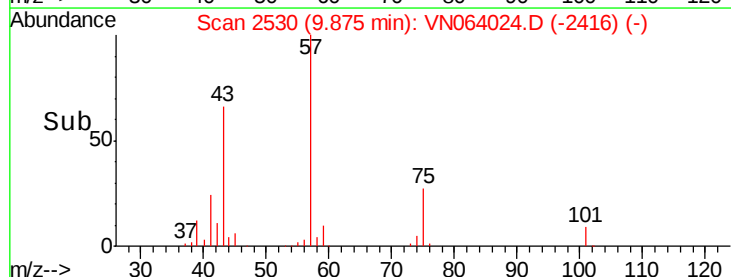
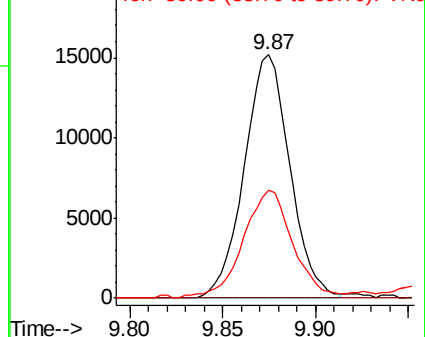
39 43.0 49.7 74.5#

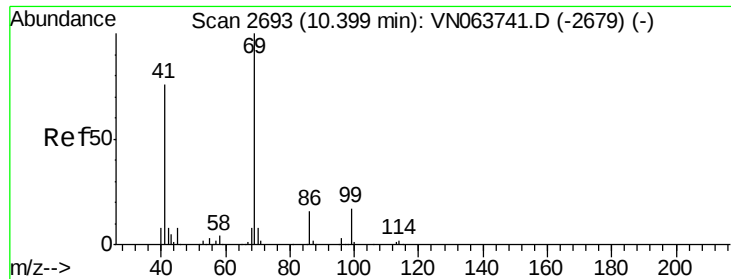


Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN063741.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN063741.D (-2493) (-)





#56

Ethyl methacrylate

Concen: 0.478 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

Instrument :

MSVOA_N

ClientSampled :

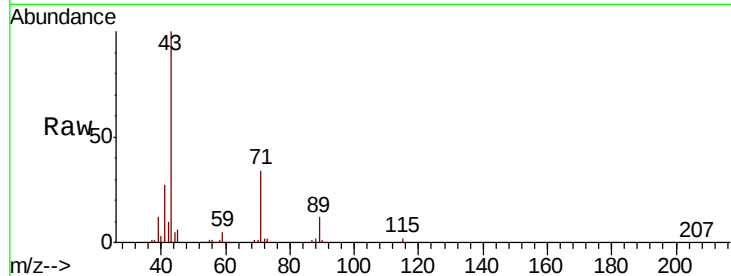
Tot Ion: 69 Resp: 2214

Ion Ratio Lower Upper

69 100

41 2945.4 61.1 91.7#

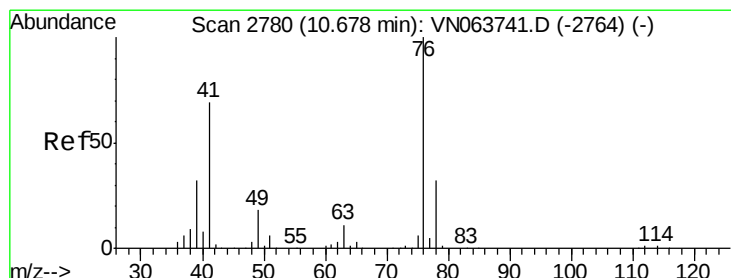
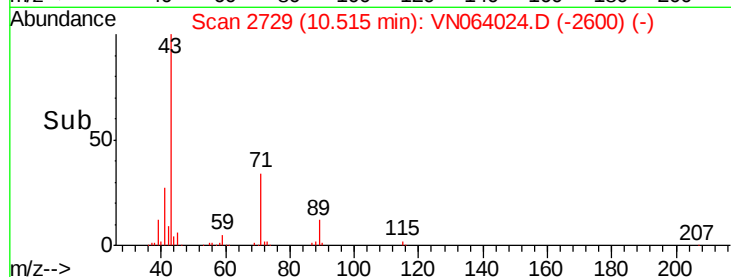
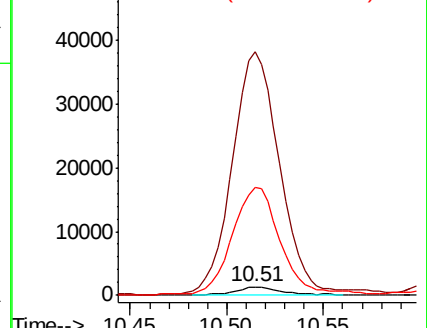
39 1286.2 42.2 63.4#



Abundance Ion 69.00 (68.70 to 69.70): VN063741.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN063741.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN063741.D (-2679) (-)



#57

1,3-Dichloropropane

Concen: 0.352 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN064024.D

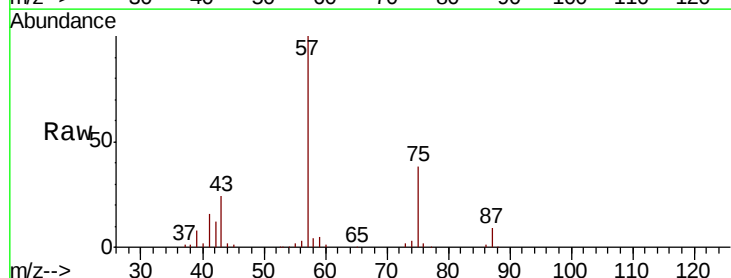
Acq: 9 Oct 2020 6:28

Tgt Ion: 76 Resp: 1945

Ion Ratio Lower Upper

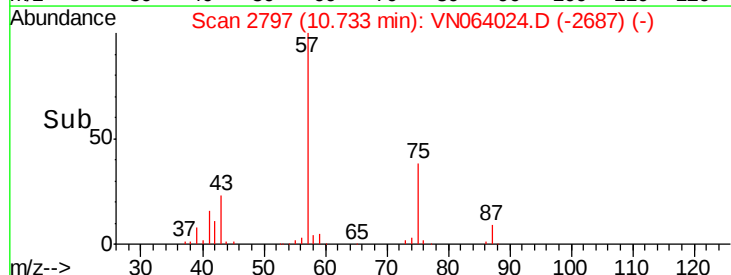
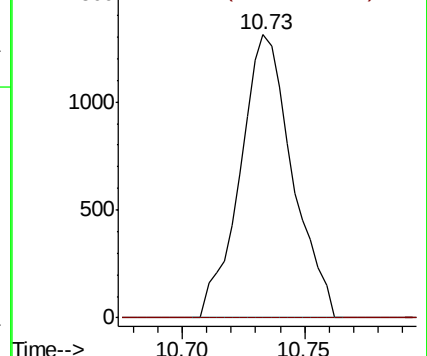
76 100

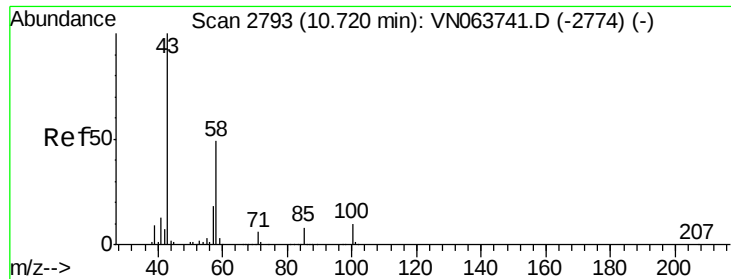
78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-2764) (-)

Ion 77.90 (77.60 to 78.60): VN063741.D (-2764) (-)

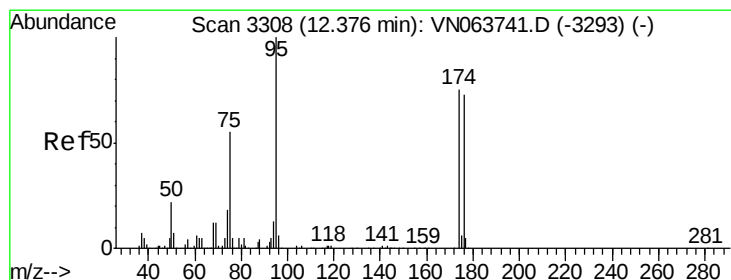
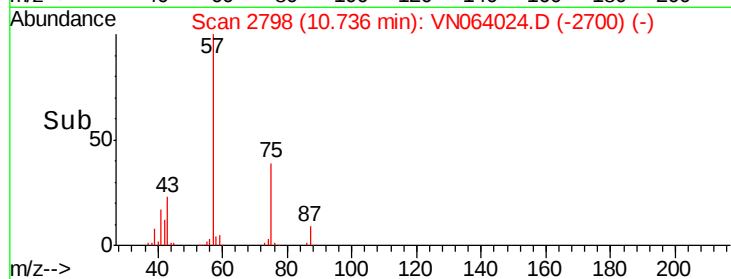
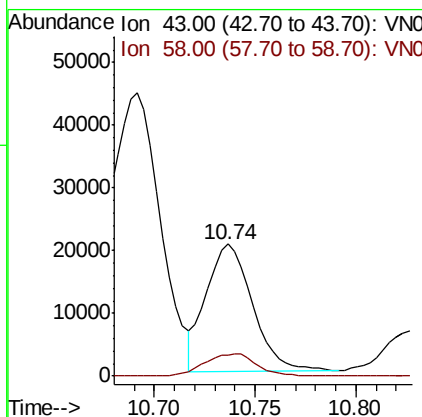
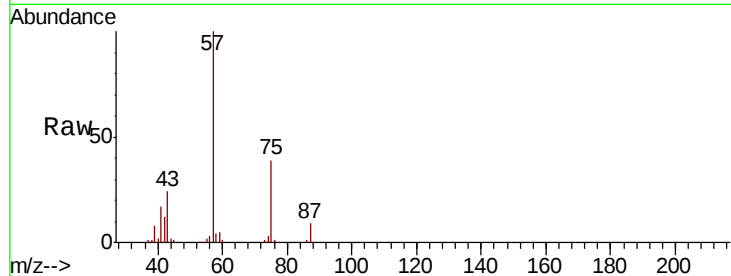




#59
2-Hexanone
Concen: 9.846 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

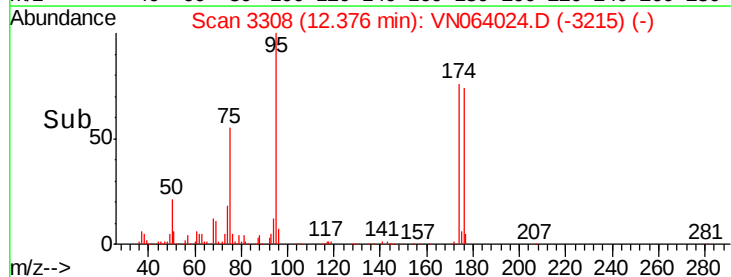
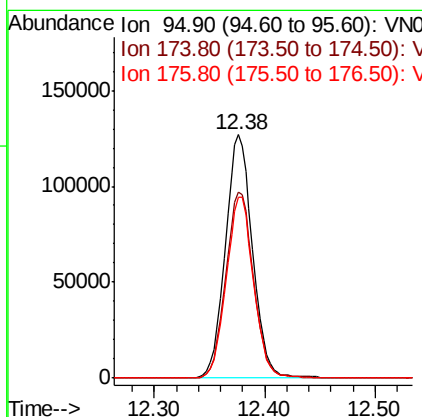
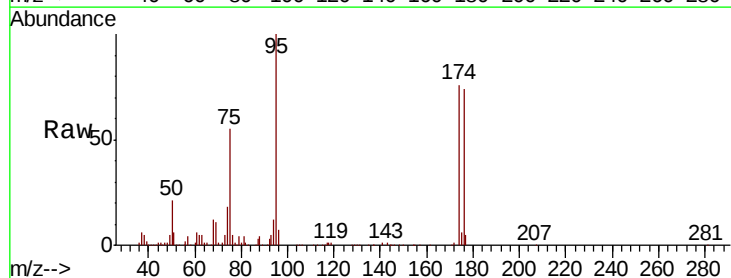
Instrument :
MSVOA_N
ClientSampled :

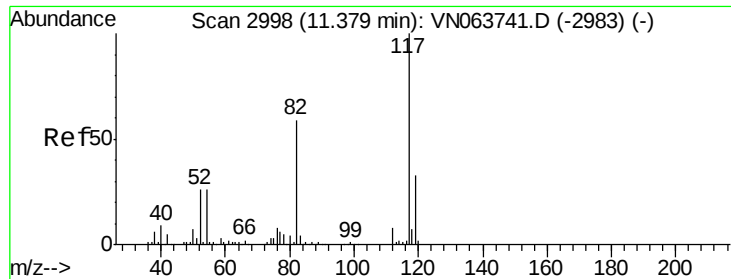
Tot Ion: 43 Resp: 32416
Ion Ratio Lower Upper
43 100
58 19.5 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 48.070 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

Tgt Ion: 95 Resp: 216225
Ion Ratio Lower Upper
95 100
174 78.3 0.0 150.6
176 74.9 0.0 145.4

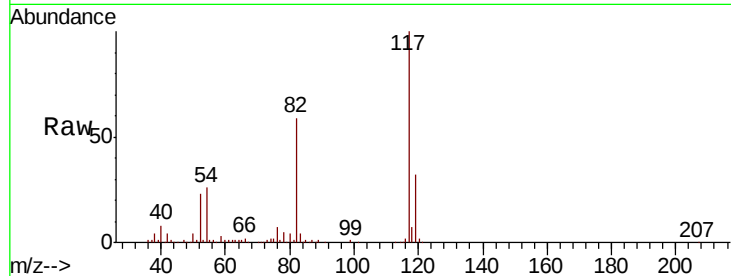




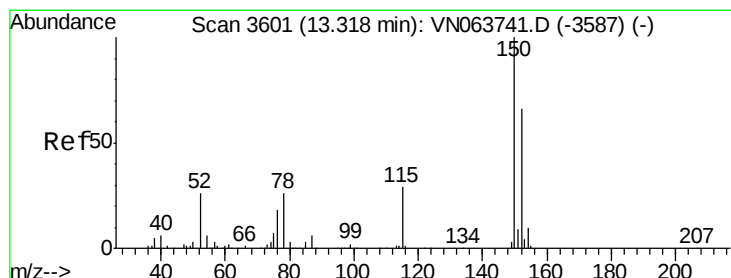
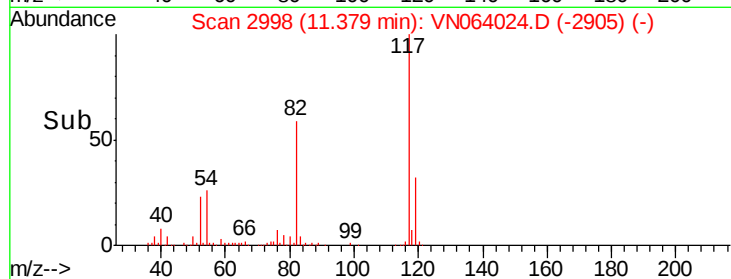
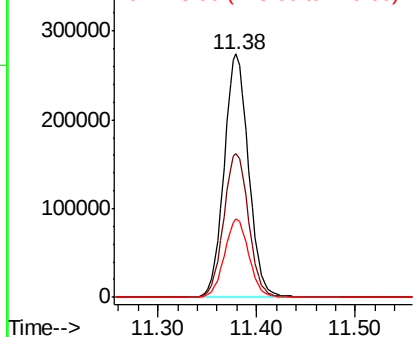
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.4	71.2
119	32.1	26.4	39.6

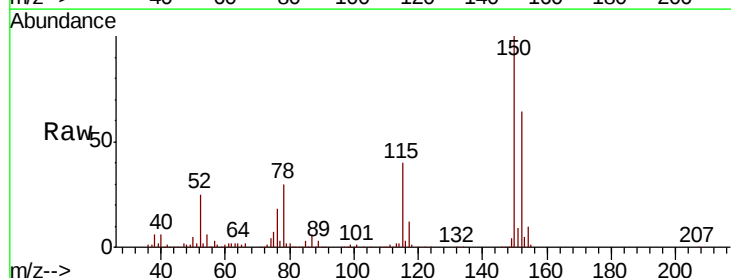


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

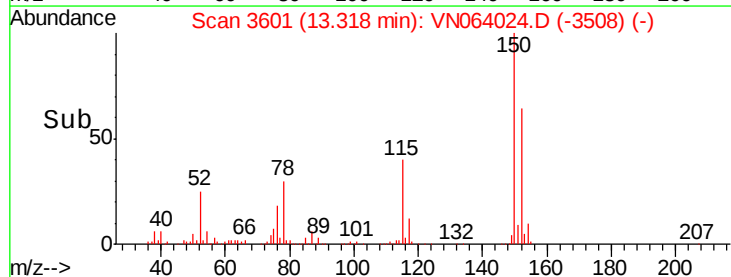
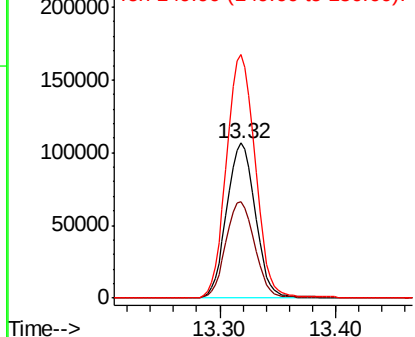


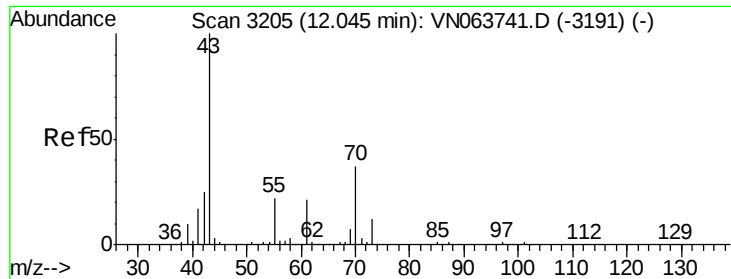
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064024.D
Acq: 9 Oct 2020 6:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.8
150	157.3	0.0	341.8



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-amvl acetate

Concen: 2.332 ug/l

RT: 12.03 min Scan# 3199

Delta R.T. -0.02 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 751

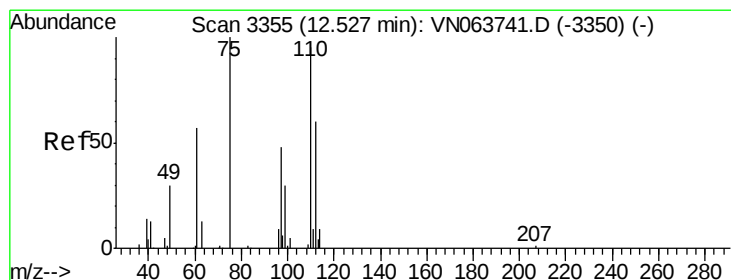
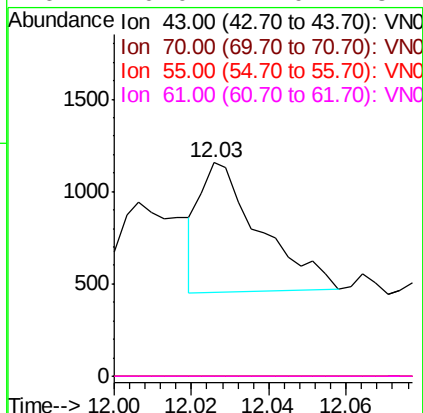
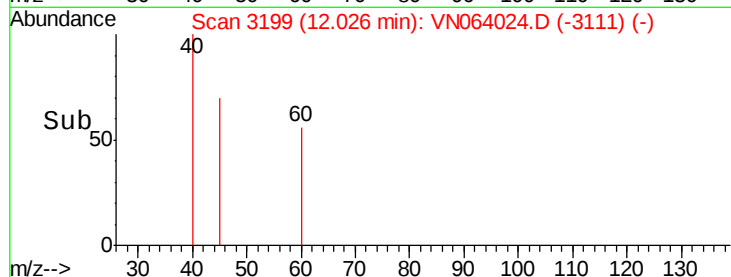
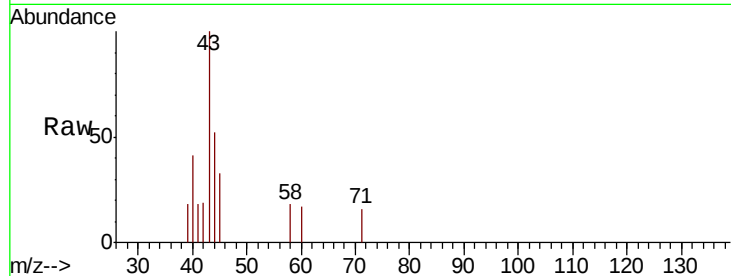
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



#76

1,2,3-Trichloropropane

Concen: 28.993 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064024.D

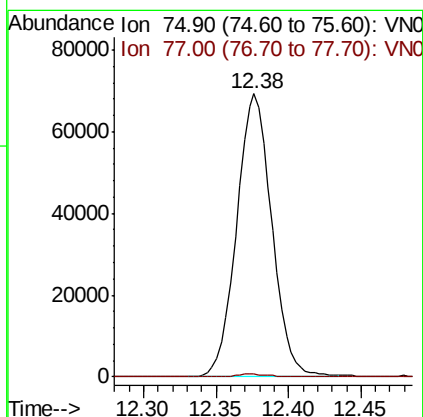
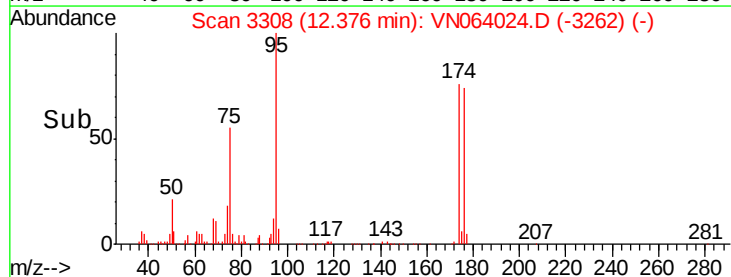
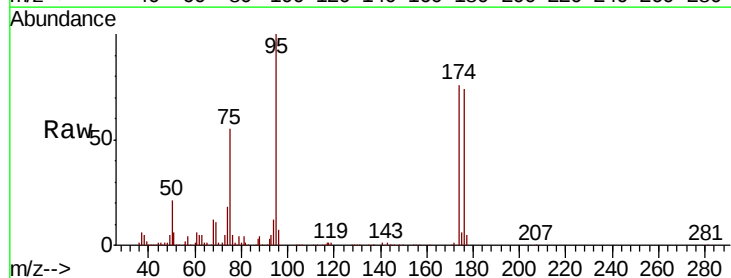
Acq: 9 Oct 2020 6:28

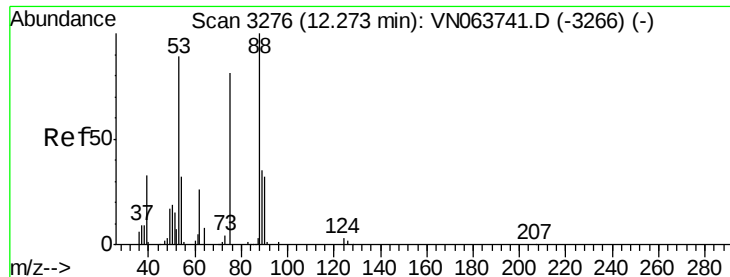
Tgt Ion: 75 Resp: 116633

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 83.505 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

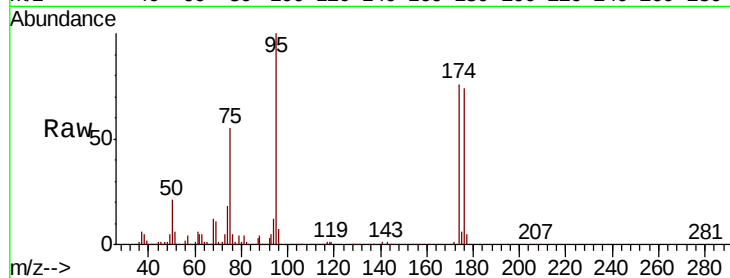
Tot Ion: 75 Resp: 116633

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

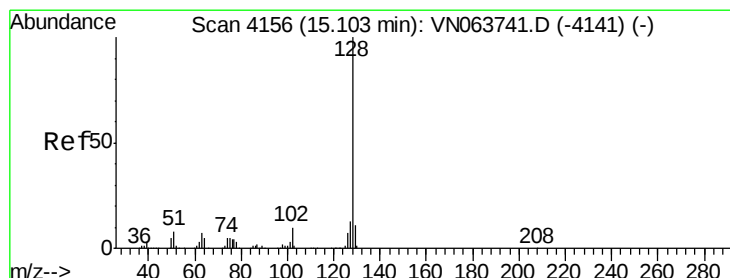
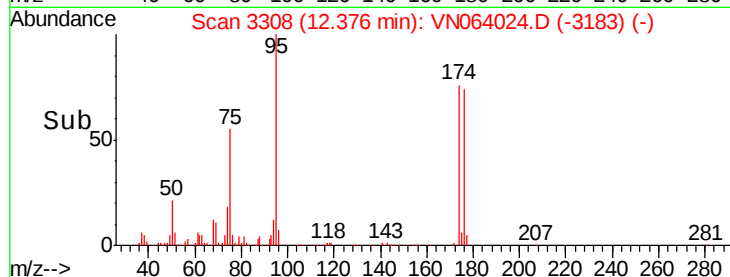
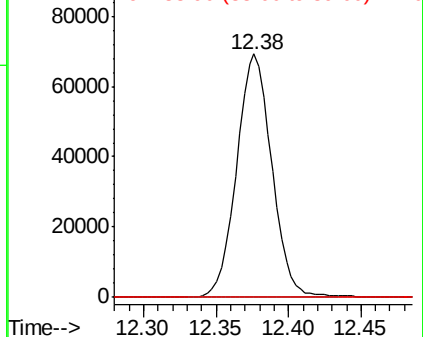
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN063741.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN063741.D (-3266) (-)



#95

Naphthalene

Concen: 1.931 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064024.D

Acq: 9 Oct 2020 6:28

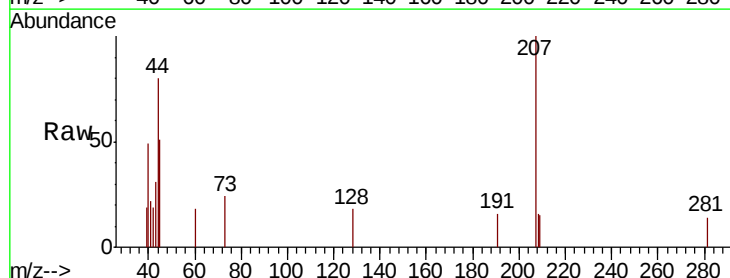
Tgt Ion: 128 Resp: 72

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN063741.D (-4141) (-)

Ion 127.00 (126.70 to 127.70): VN063741.D (-4141) (-)

Ion 129.00 (128.70 to 129.70): VN063741.D (-4141) (-)

