

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
 Data File : VN064362.D
 Acq On : 28 Oct 2020 19:07
 Operator : JC/MD
 Sample : L4528-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT-24245

Quant Time: Oct 29 02:44:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	234532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	408491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	401549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	165940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	185851	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.55	113	132029	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.06	98	504381	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.38	95	212569	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	

Target Compounds

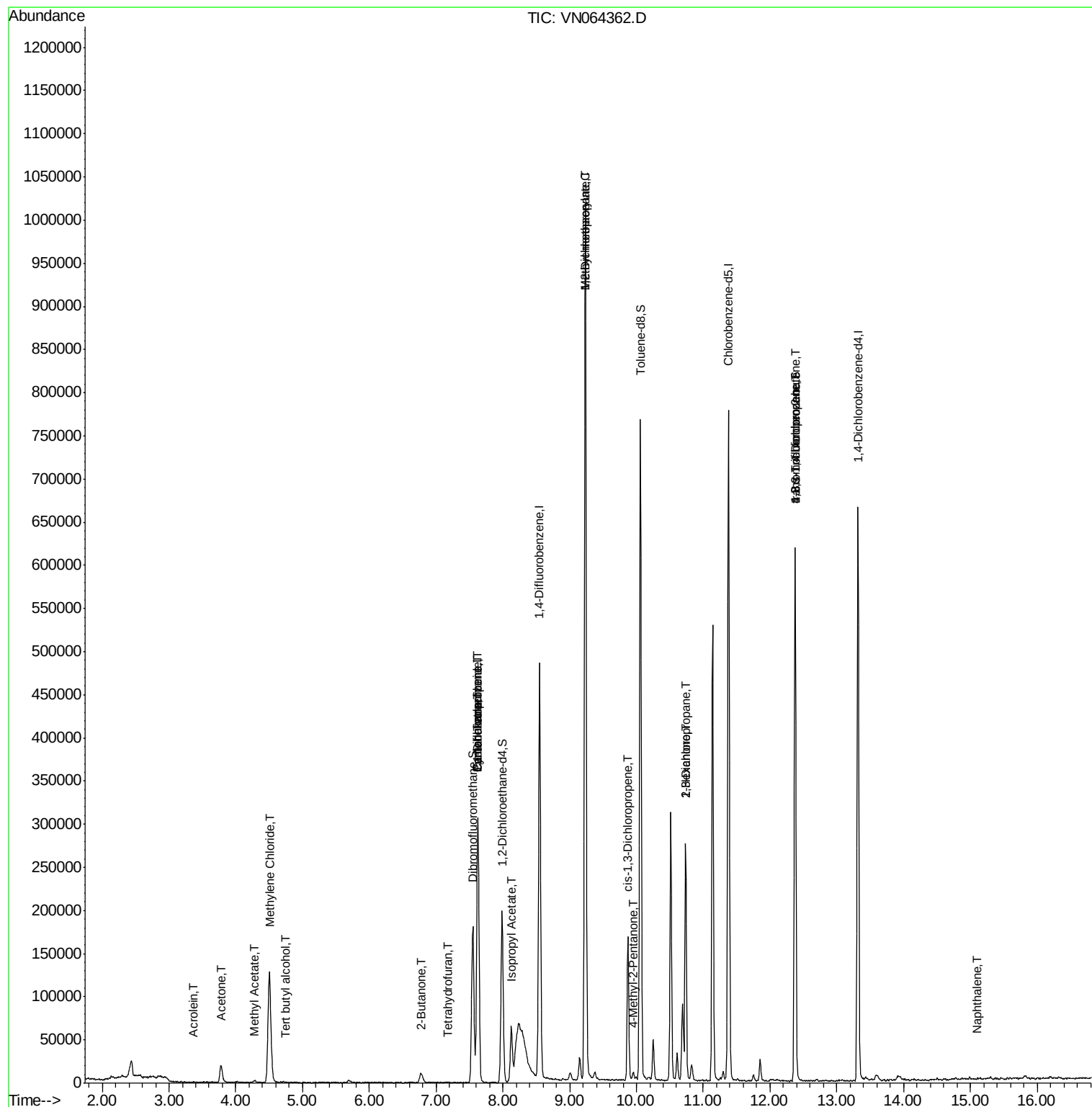
						Qvalue
11) Tert butyl alcohol	4.75	59	226	0.413	ug/l #	70
13) Acrolein	3.37	56	90	18.384	ug/l #	10
16) Acetone	3.78	43	36928	22.041	ug/l	92
18) Methyl Acetate	4.28	43	3921	1.385	ug/l #	74
20) Methylene Chloride	4.51	84	92360	34.554	ug/l	96
25) 2-Butanone	6.79	43	1378	0.728	ug/l #	52
29) Tetrahydrofuran	7.16	42	307	0.250	ug/l #	31
31) Cyclohexane	7.62	56	6088	1.392	ug/l #	31
36) 1,1-Dichloropropene	7.62	75	18798	4.560	ug/l #	51
38) Carbon Tetrachloride	7.62	117	26689	5.584	ug/l #	17
43) Isopropyl Acetate	8.13	43	83154	11.681	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	873	0.284	ug/l #	44
48) Methyl methacrylate	9.23	41	102350	27.868	ug/l #	48
51) 4-Methyl-2-Pentanone	9.95	43	7597	1.836	ug/l	92
54) cis-1,3-Dichloropropene	9.87	75	26586	5.127	ug/l #	63
57) 1,3-Dichloropropane	10.73	76	2854	0.585	ug/l #	42
59) 2-Hexanone	10.74	43	47498	15.586	ug/l #	52
76) 1,2,3-Trichloropropane	12.38	75	119712	30.125	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119712	86.776	ug/l #	8
95) Naphthalene	15.09	128	63	2.399	ug/l #	69

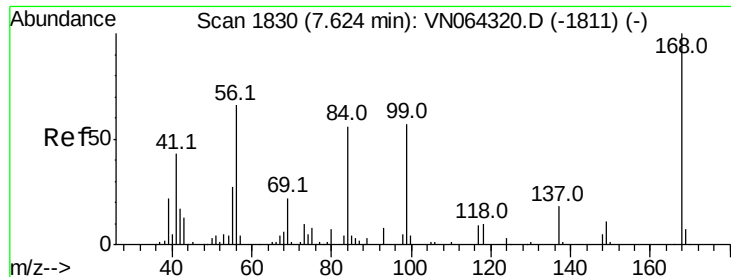
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064362.D

Acq: 28 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

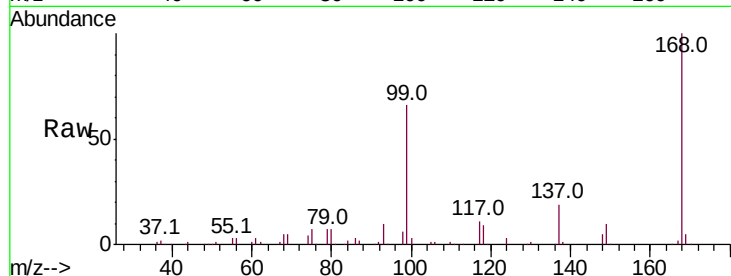
CHRT-24245

Tot Ion:168 Resp: 234532

Ion Ratio Lower Upper

168 100

99 65.7 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064362.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064362.D (-1737) (-)

7.63

100000

80000

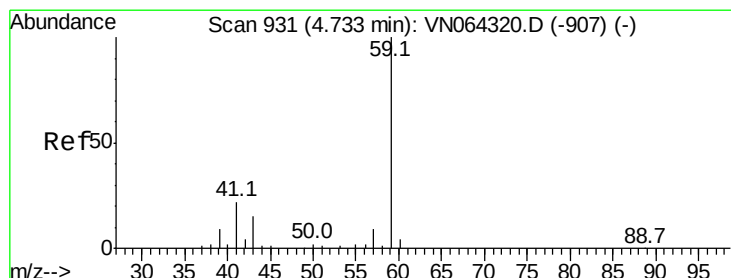
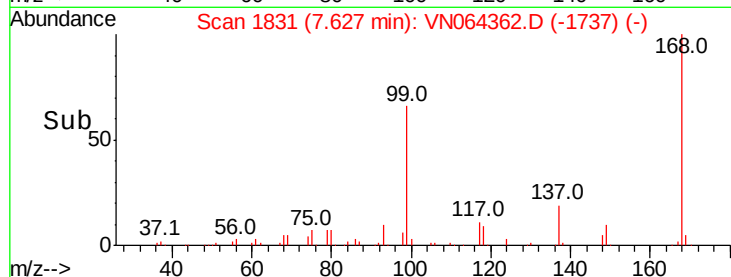
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.413 ug/l

RT: 4.75 min Scan# 936

Delta R.T. 0.02 min

Lab File: VN064362.D

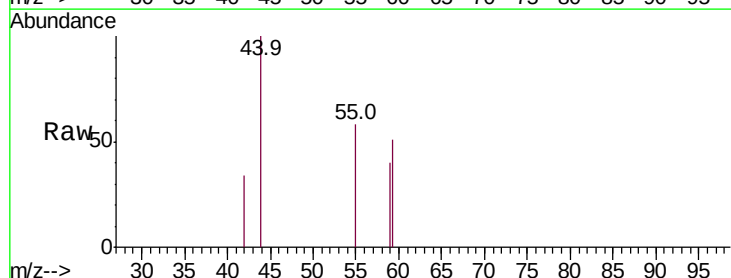
Acq: 28 Oct 2020 19:07

Tgt Ion: 59 Resp: 226

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VN064362.D (-838) (-)

Ion 57.00 (56.70 to 57.70): VN064362.D (-838) (-)

4.75

400

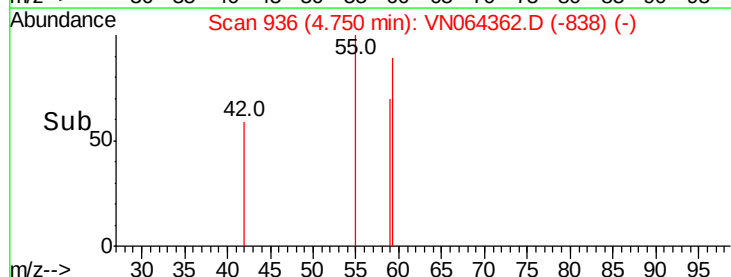
300

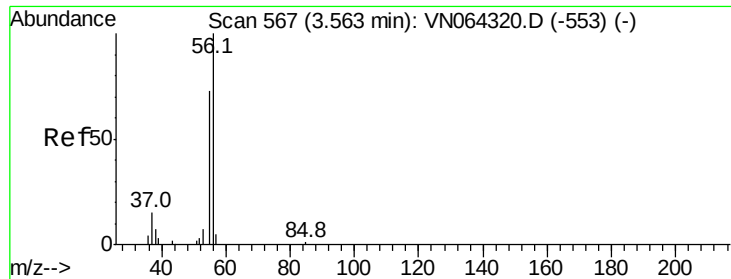
200

100

0

Time--> 4.74 4.75 4.76

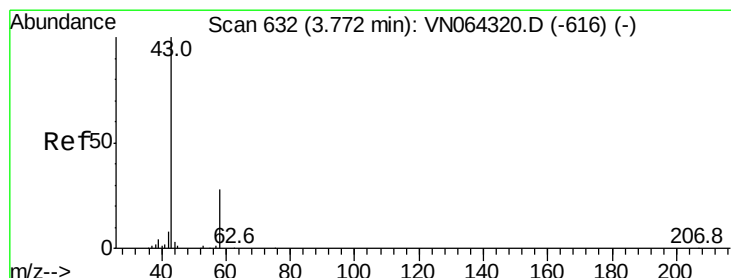
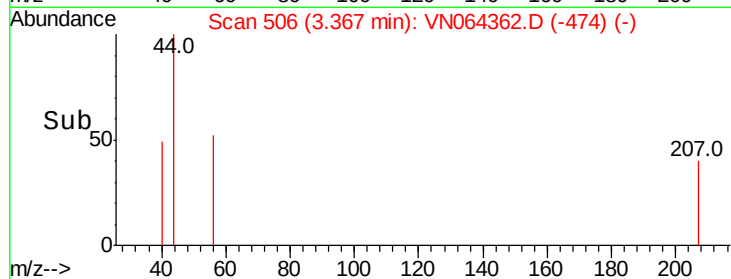
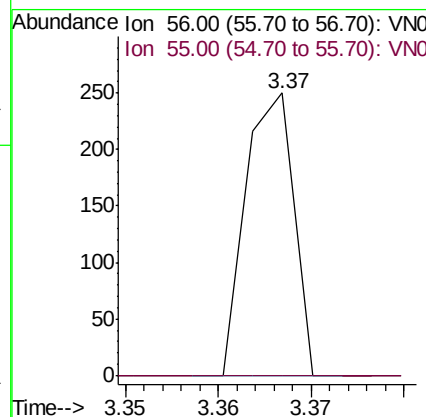
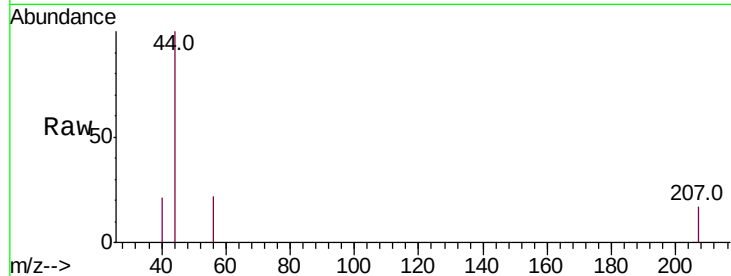




#13
Acrolein
Concen: 18.384 ug/l
RT: 3.37 min Scan# 506
Delta R.T. -0.20 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

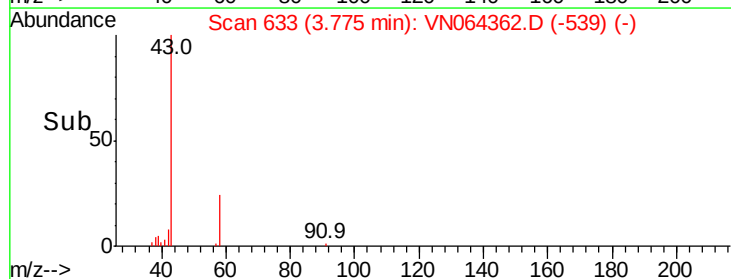
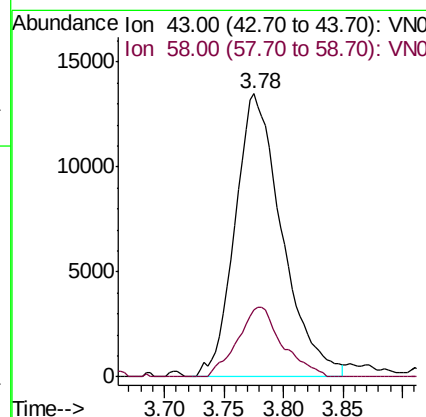
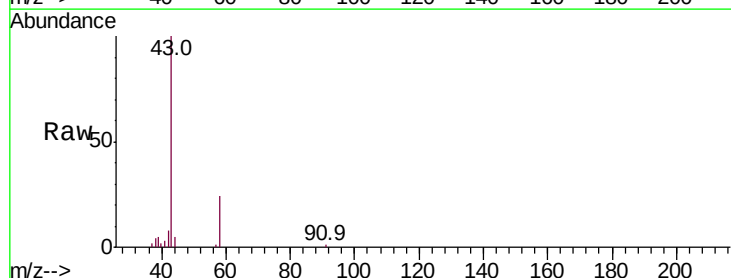
Instrument :
MSVOA_N
ClientSampled :
CHRT-24245

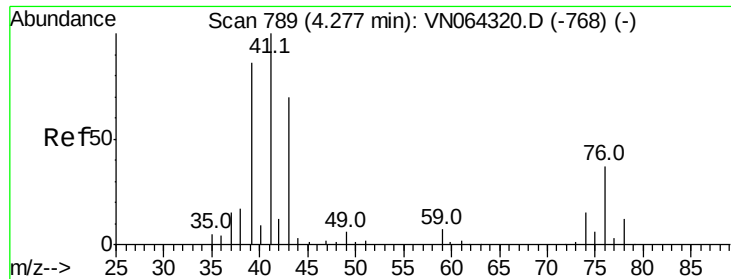
Tot Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 0.0 62.6 94.0#



#16
Acetone
Concen: 22.041 ug/l
RT: 3.78 min Scan# 633
Delta R.T. 0.00 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

Tgt Ion: 43 Resp: 36928
Ion Ratio Lower Upper
43 100
58 23.6 22.1 33.1

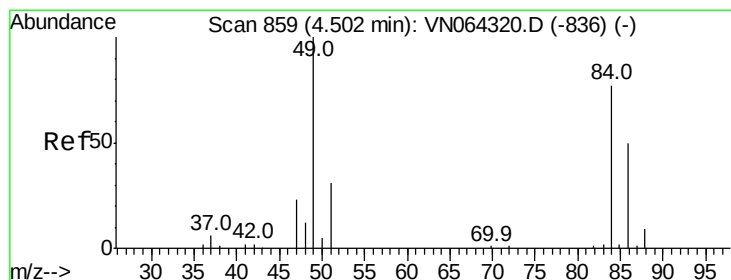
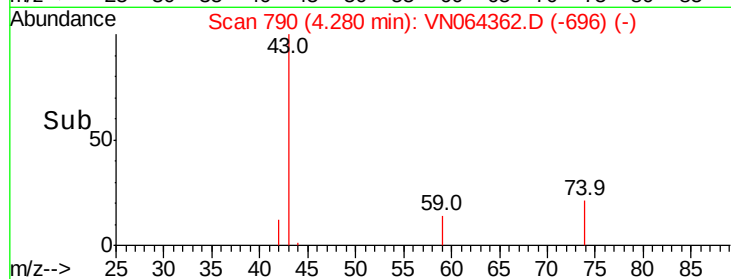
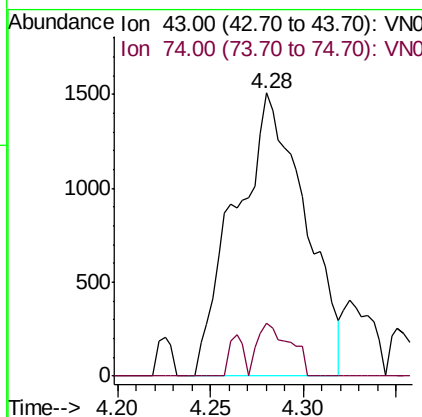
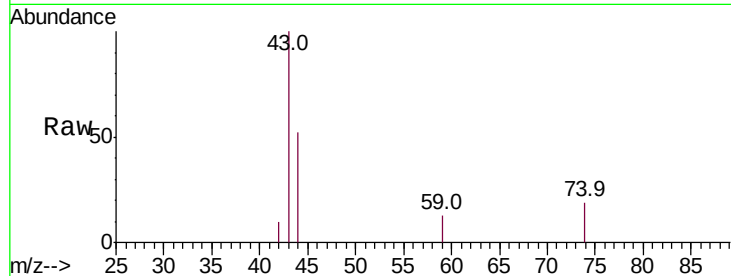




#18
Methyl Acetate
Concen: 1.385 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

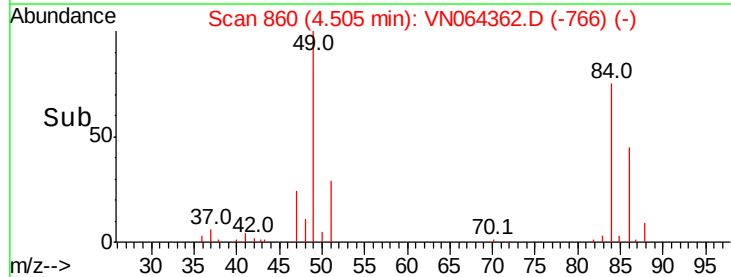
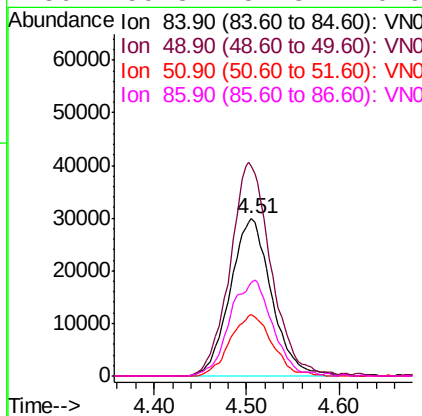
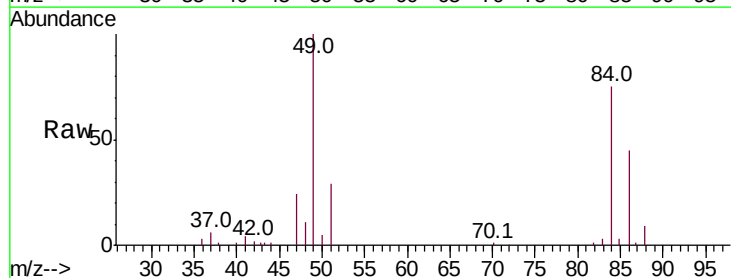
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24245

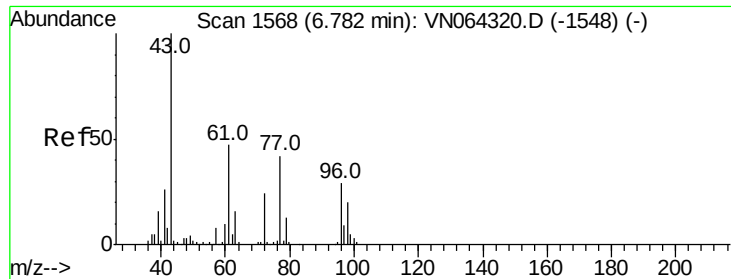
Tot Ion: 43 Resp: 3921
Ion Ratio Lower Upper
43 100
74 8.8 16.7 25.1#



#20
Methylene Chloride
Concen: 34.554 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

Tgt Ion: 84 Resp: 92360
Ion Ratio Lower Upper
84 100
49 133.4 103.6 155.4
51 38.8 31.8 47.8
86 59.8 51.3 76.9

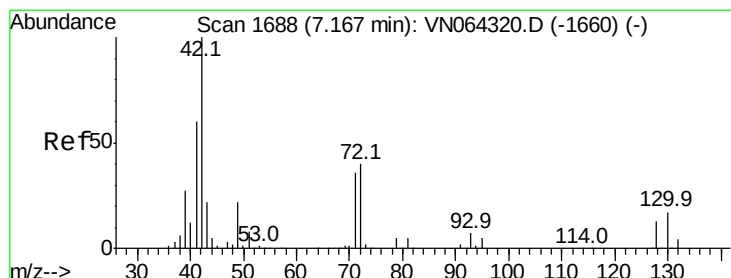
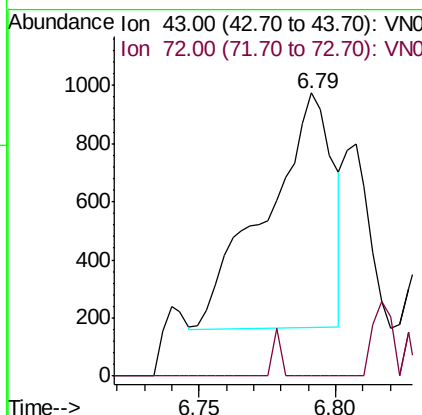
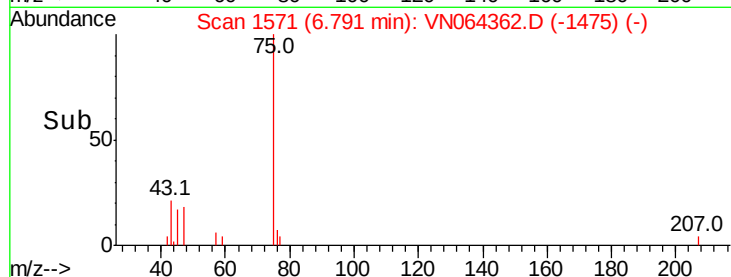
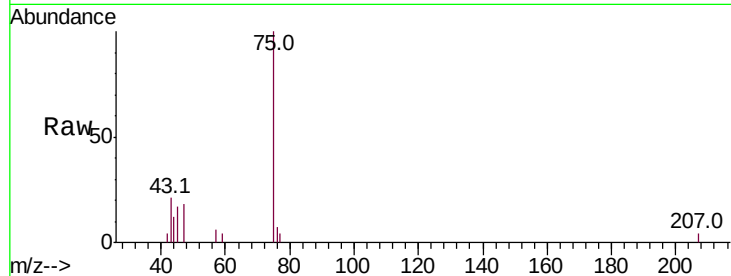




#25
2-Butanone
Concen: 0.728 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

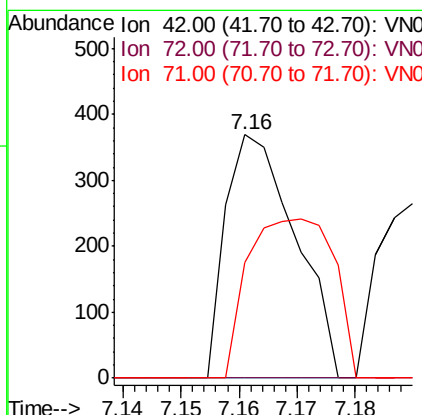
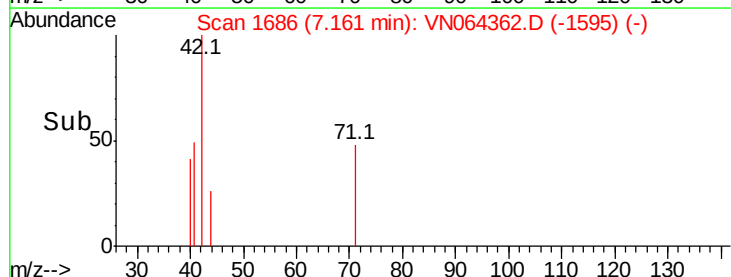
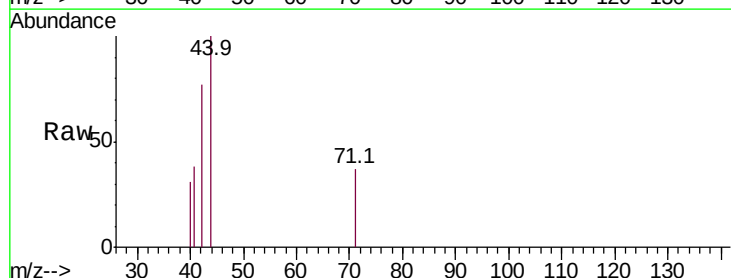
Instrument :
MSVOA_N
ClientSampled :
CHRT-24245

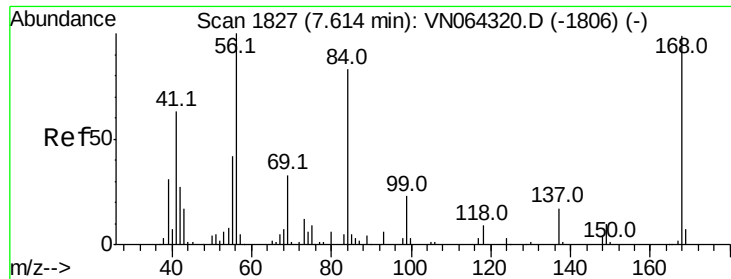
Tot Ion: 43 Resp: 1378
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#29
Tetrahydrofuran
Concen: 0.250 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

Tgt Ion: 42 Resp: 307
Ion Ratio Lower Upper
42 100
72 0.0 31.6 47.4#
71 80.8 29.4 44.0#

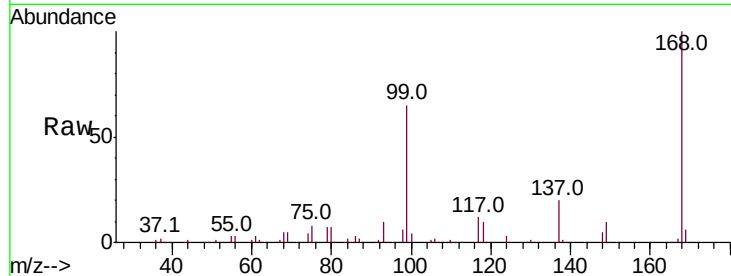




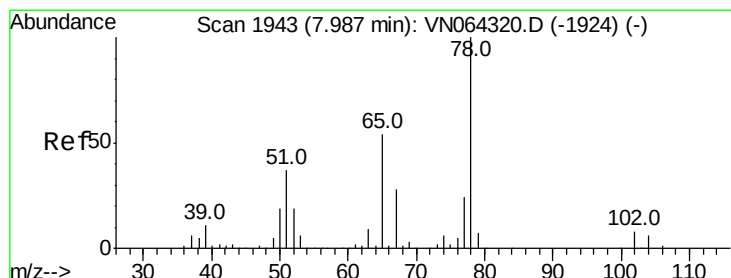
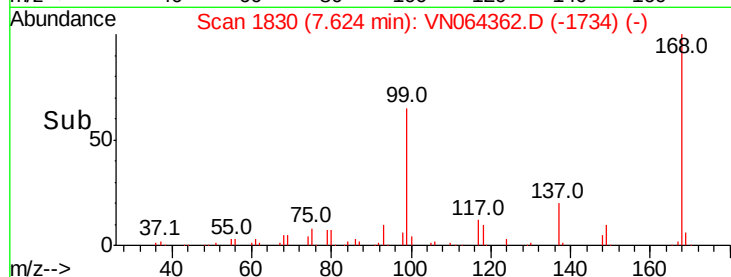
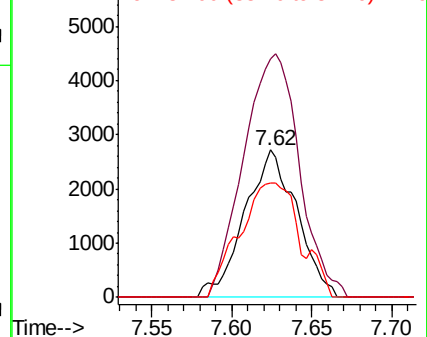
#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

Instrument :
MSVOA_N
ClientSampleId :
CHRT-24245

Tot Ion: 56 Resp: 6088
Ion Ratio Lower Upper
56 100
69 161.9 25.8 38.8#
84 77.7 66.3 99.5

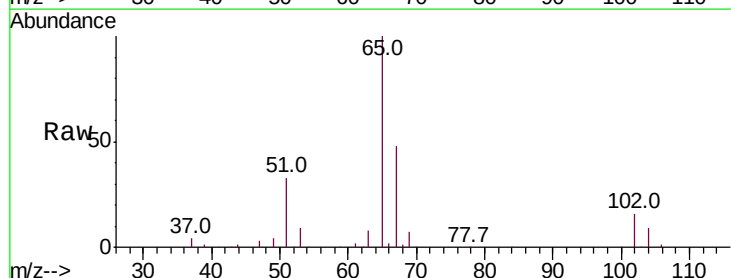


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

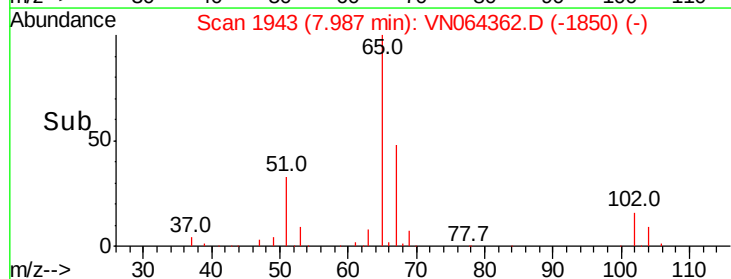
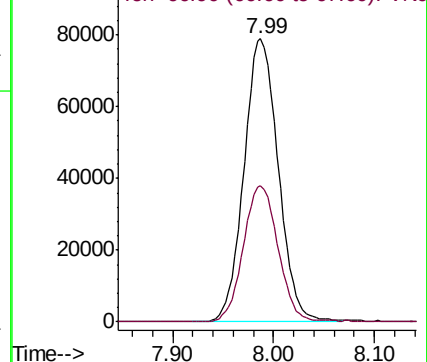


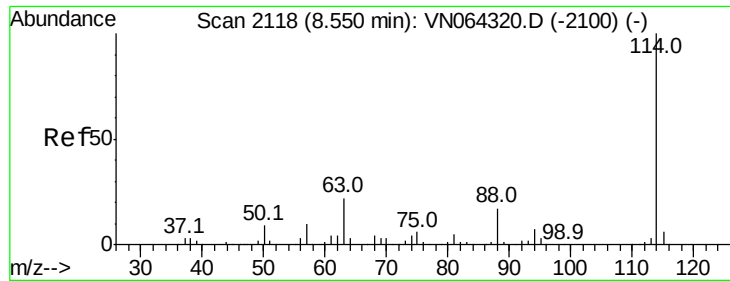
#33
1,2-Dichloroethane-d4
Concen: 49.312 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

Tgt Ion: 65 Resp: 185851
Ion Ratio Lower Upper
65 100
67 48.4 0.0 99.2



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

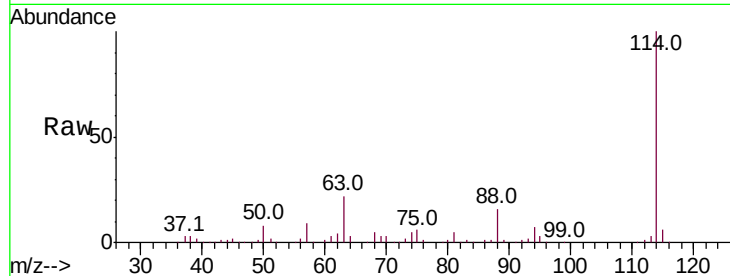




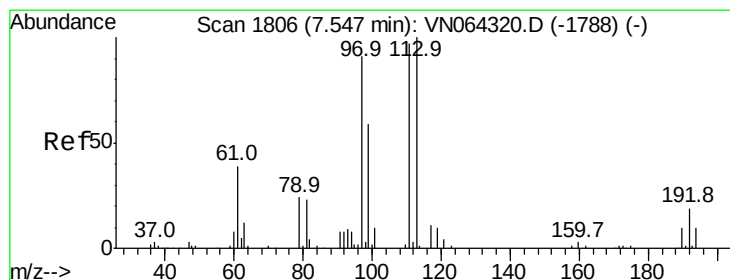
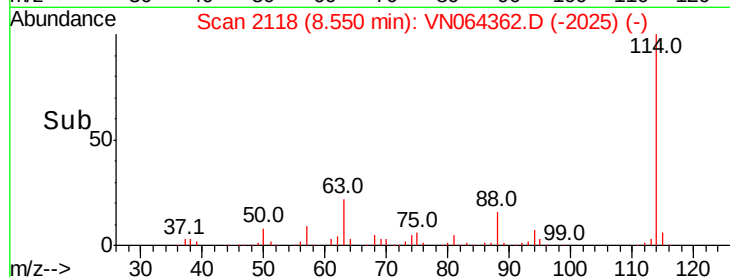
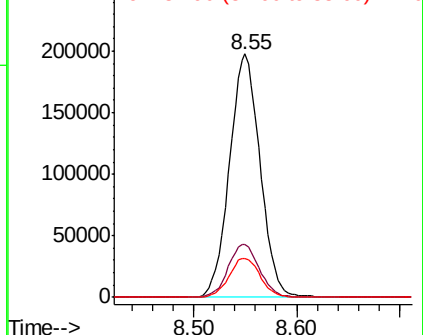
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064362.D
 Acq: 28 Oct 2020 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT-24245

Tot Ion:114 Resp: 408491
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.6
 88 16.1 0.0 33.4

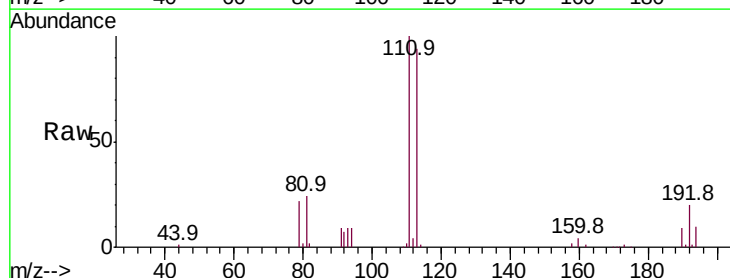


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

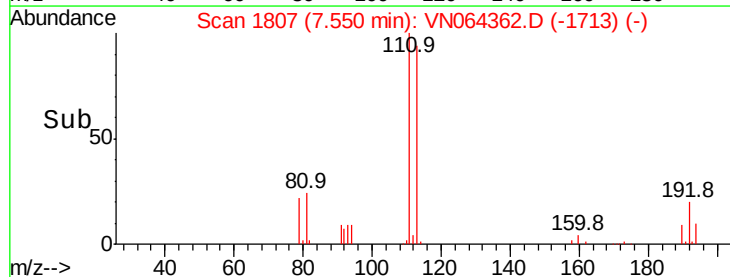
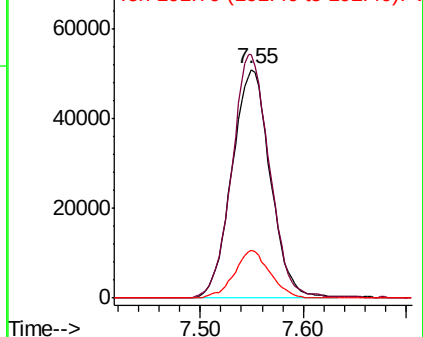


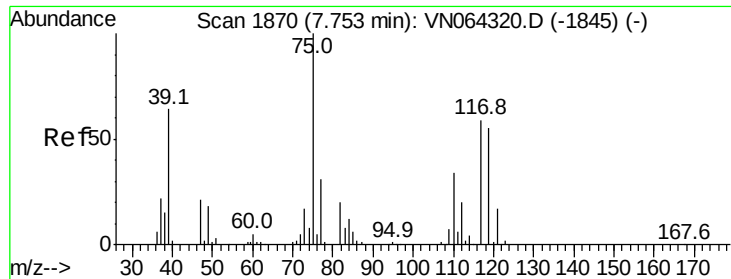
#35
 Dibromofluoromethane
 Concen: 48.467 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064362.D
 Acq: 28 Oct 2020 19:07

Tgt Ion:113 Resp: 132029
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.5 122.3
 192 19.2 15.0 22.4



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

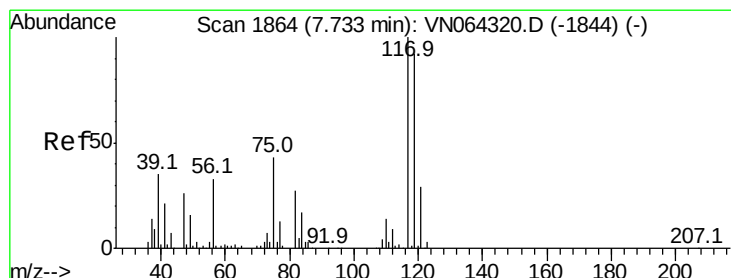
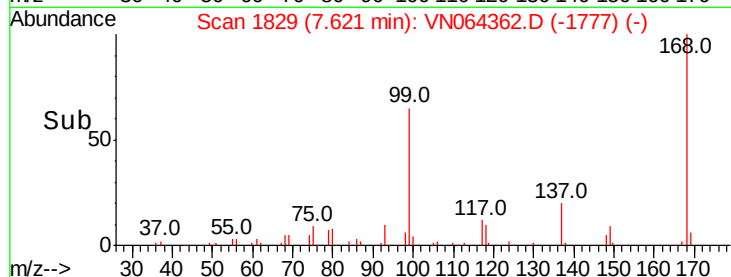
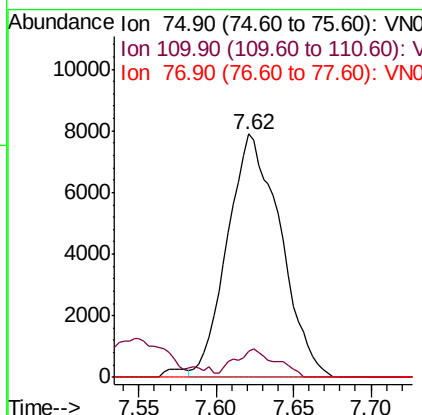
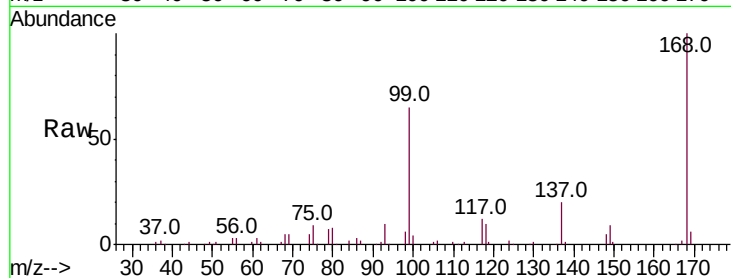




#36
 1,1-Dichloropropene
 Concen: 4.560 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064362.D
 Acq: 28 Oct 2020 19:07

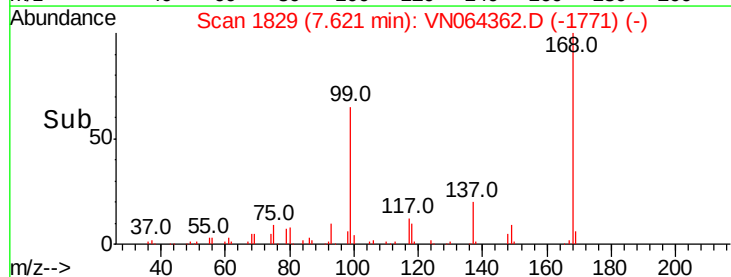
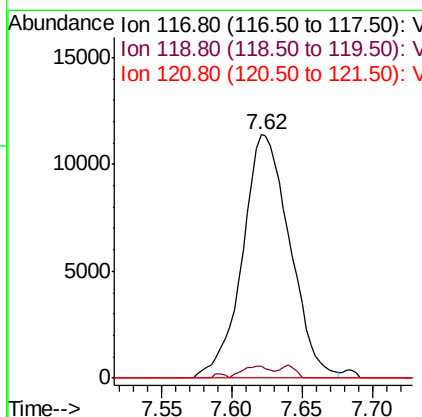
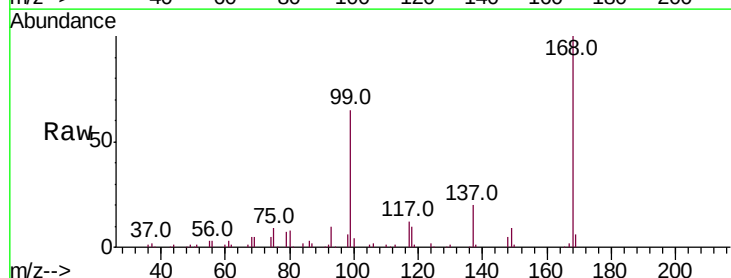
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 CHRT-24245

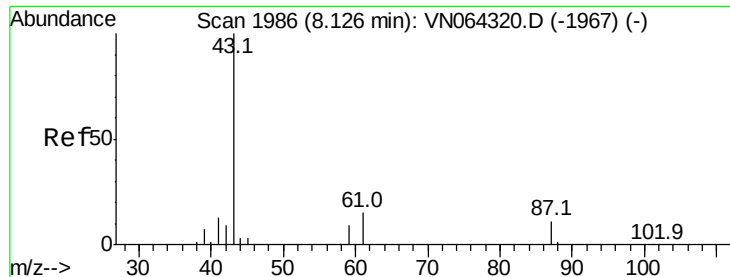
Tot Ion: 75 Resp: 18798
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.8 50.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 5.584 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.11 min
 Lab File: VN064362.D
 Acq: 28 Oct 2020 19:07

Tgt Ion: 117 Resp: 26689
 Ion Ratio Lower Upper
 117 100
 119 4.8 73.7 110.5#
 121 0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 11.681 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064362.D

Acq: 28 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

CHRT-24245

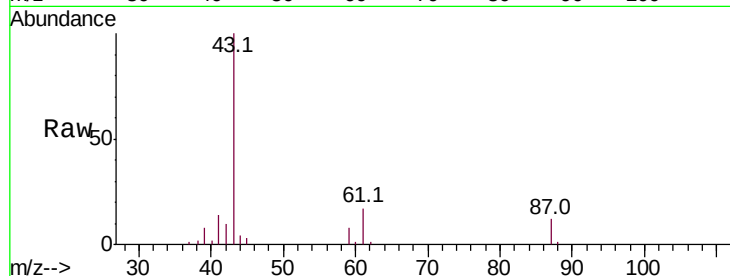
Tot Ion: 43 Resp: 83154

Ion Ratio Lower Upper

43 100

61 16.4 19.1 28.7#

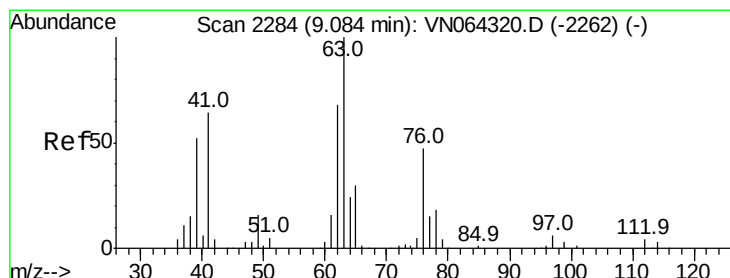
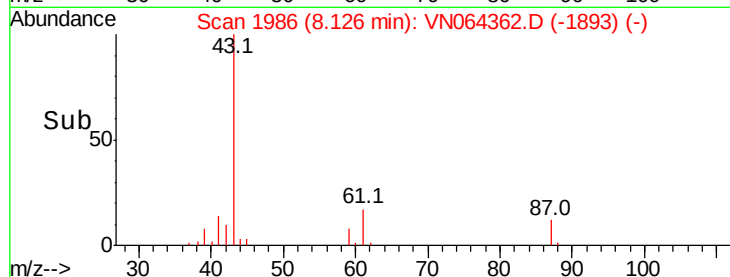
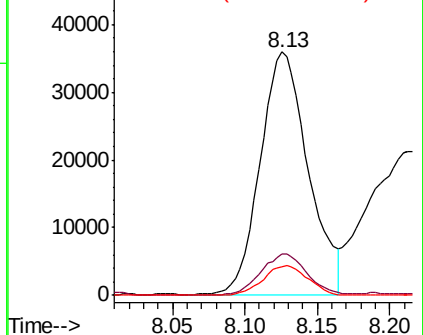
87 11.3 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.284 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN064362.D

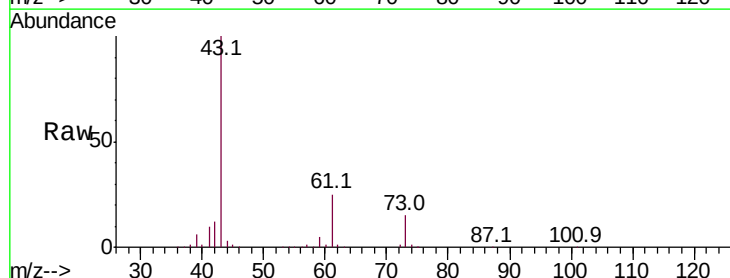
Acq: 28 Oct 2020 19:07

Tgt Ion: 63 Resp: 873

Ion Ratio Lower Upper

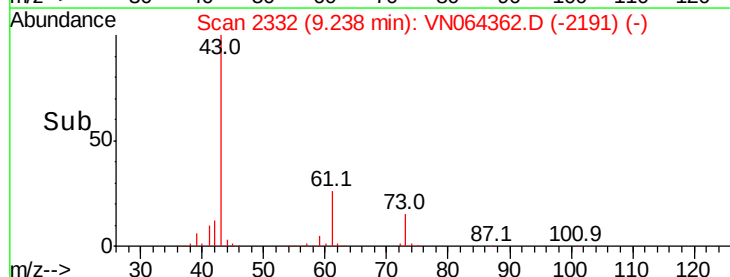
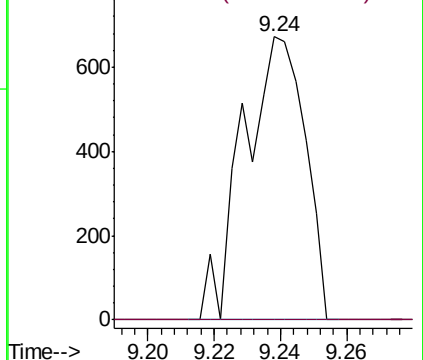
63 100

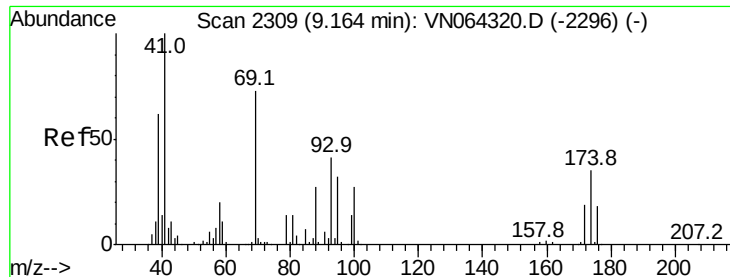
65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

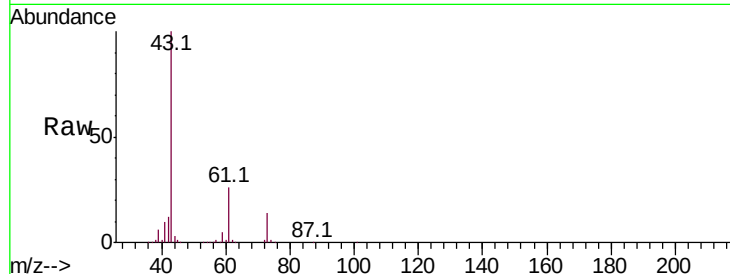




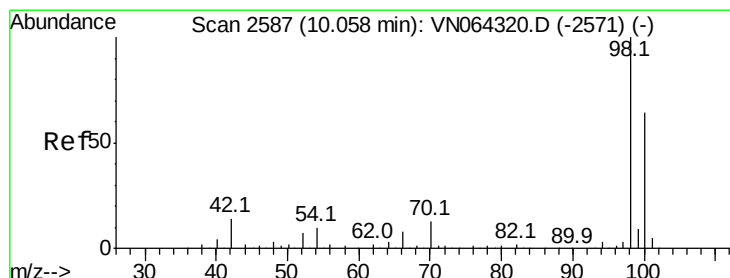
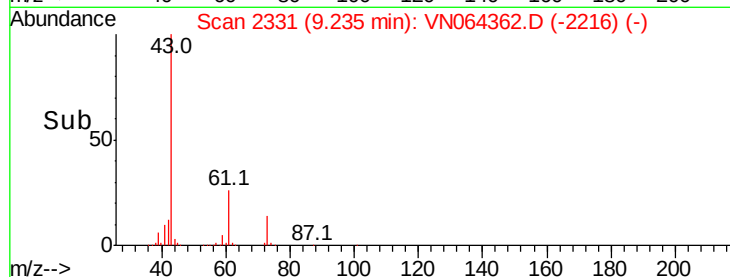
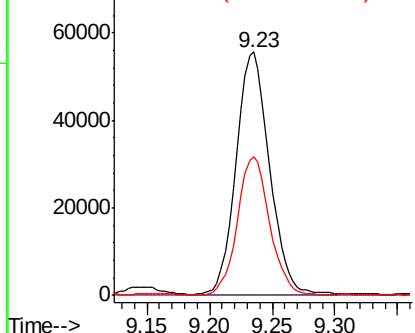
#48
Methvl methacrylate
Concen: 27.868 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

Instrument :
MSVOA_N
ClientSampleId :
CHRT-24245

Tot Ion: 41 Resp: 102350
Ion Ratio Lower Upper
41 100
69 0.0 59.1 88.7#
39 55.5 51.3 76.9

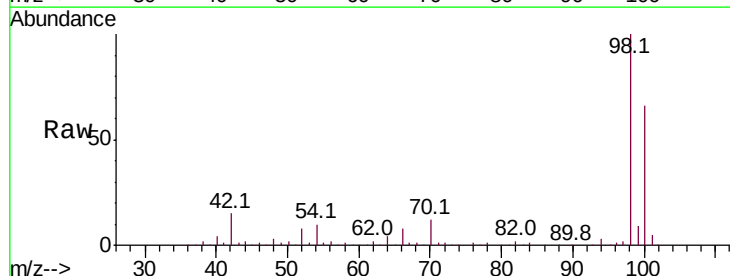


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

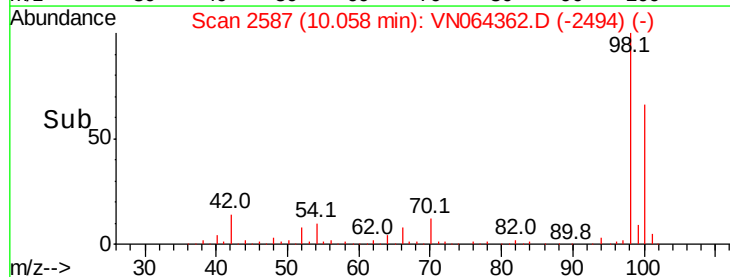
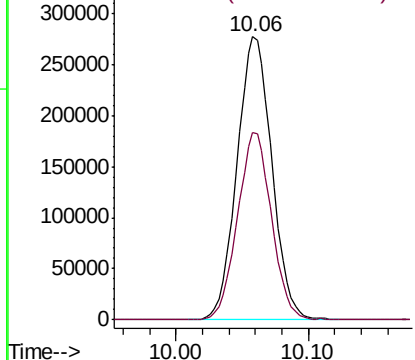


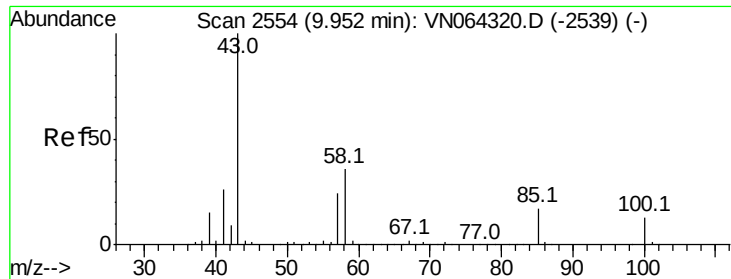
#50
Toluene-d8
Concen: 50.057 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

Tgt Ion: 98 Resp: 504381
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3



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: 1.836 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064362.D

Acq: 28 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

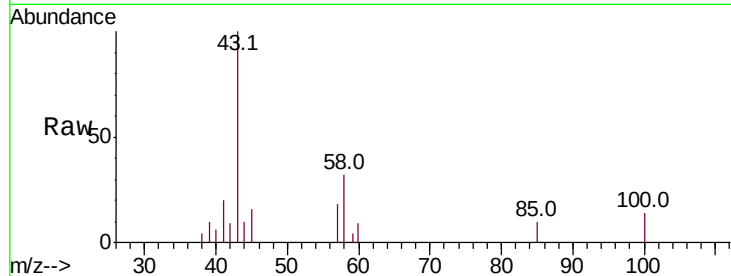
CHRT-24245

Tot Ion: 43 Resp: 7597

Ion Ratio Lower Upper

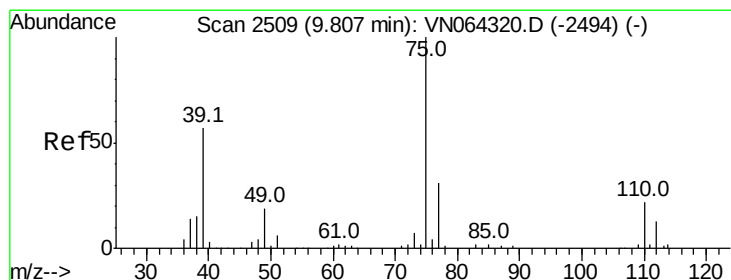
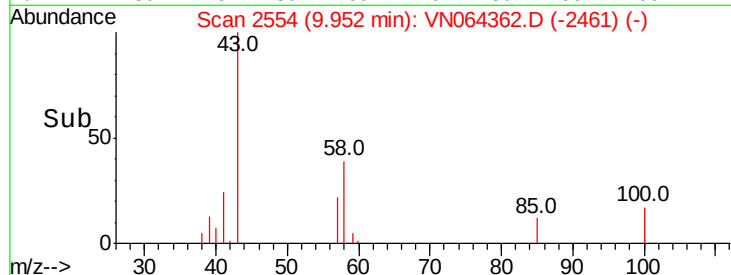
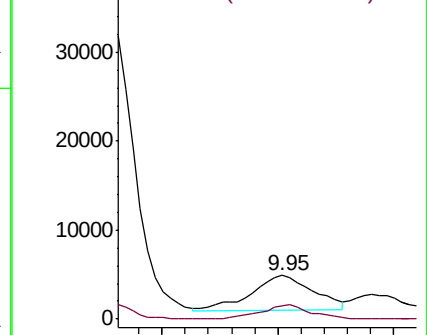
43 100

58 31.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.127 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064362.D

Acq: 28 Oct 2020 19:07

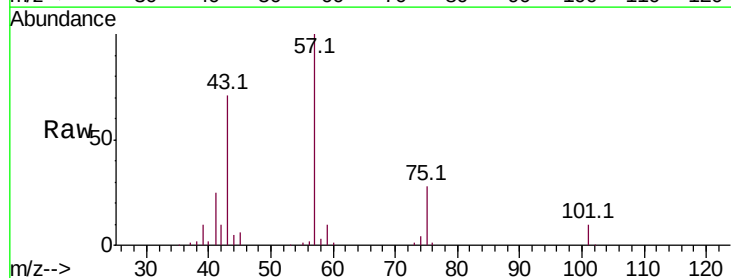
Tgt Ion: 75 Resp: 26586

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

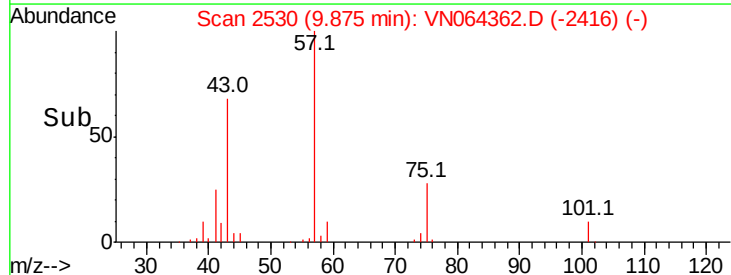
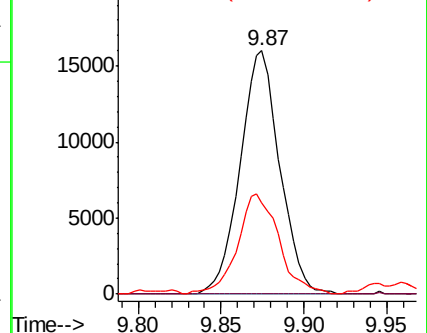
39 37.6 45.5 68.3#

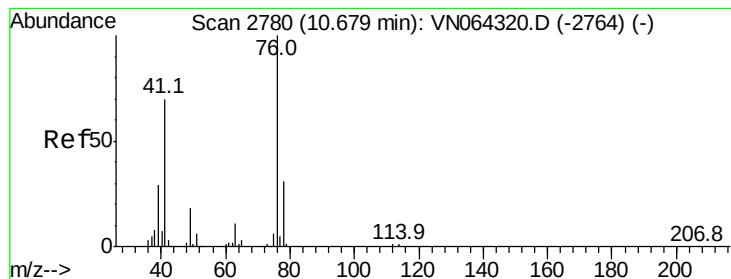


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.585 ug/l

RT: 10.73 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN064362.D

Acq: 28 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

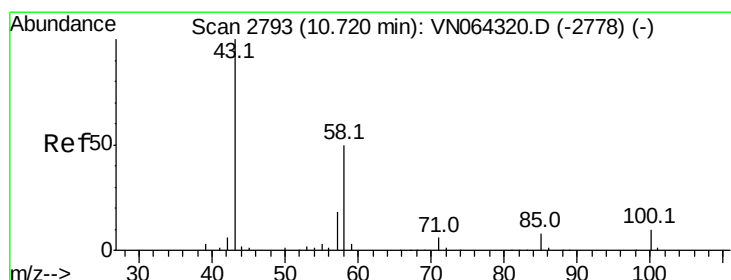
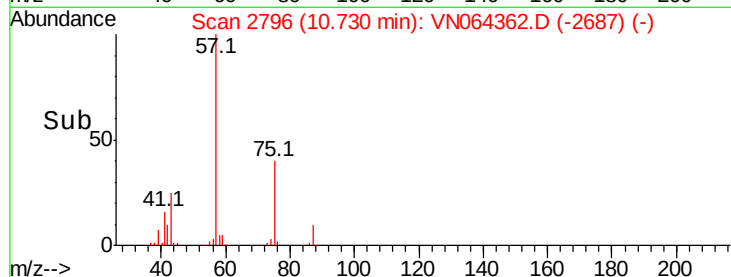
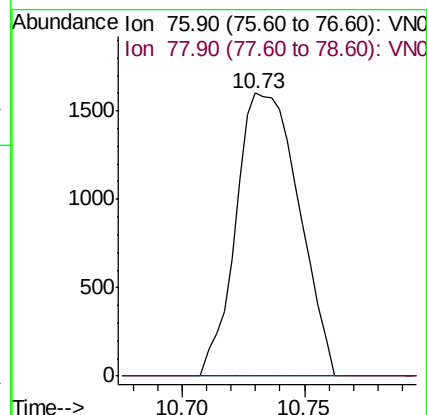
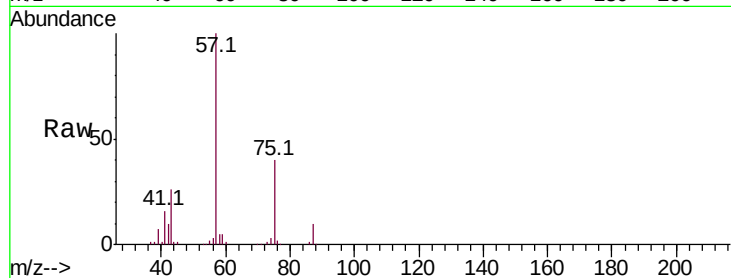
CHRT-24245

Tot Ion: 76 Resp: 2854

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 15.586 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064362.D

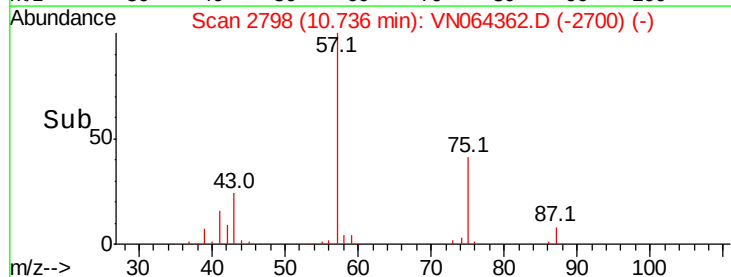
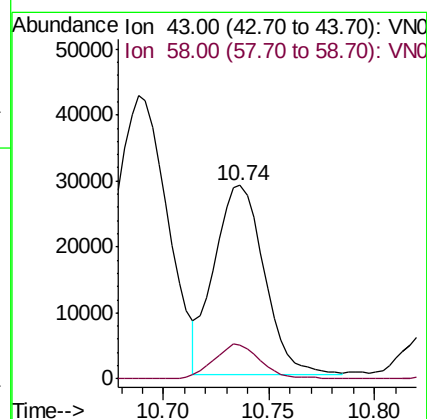
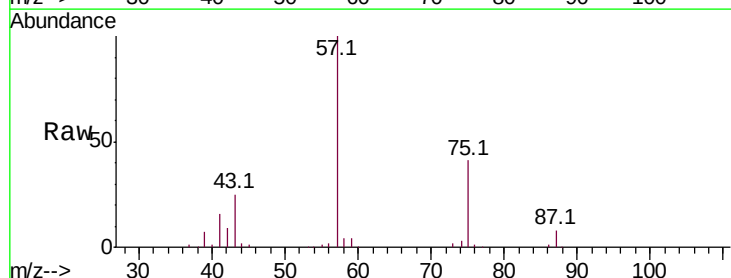
Acq: 28 Oct 2020 19:07

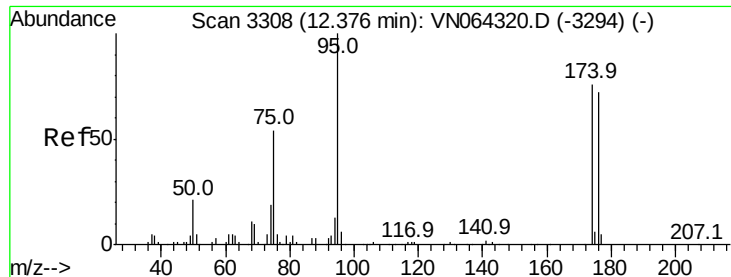
Tgt Ion: 43 Resp: 47498

Ion Ratio Lower Upper

43 100

58 16.9 25.0 75.0#

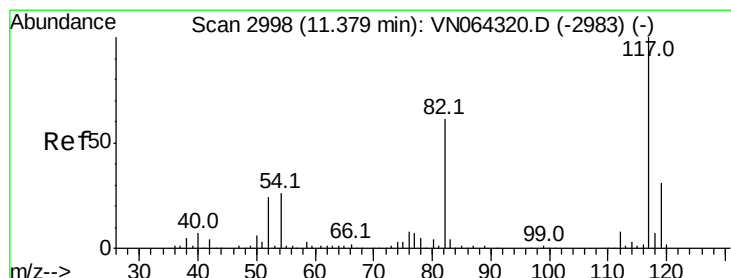
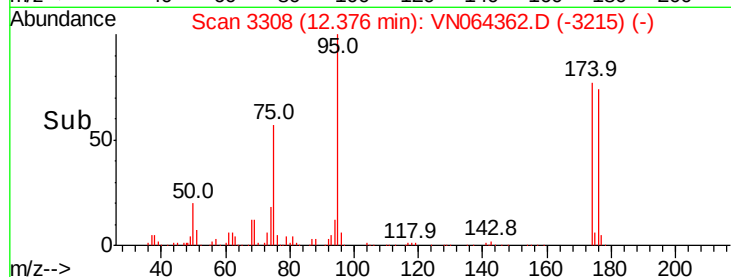
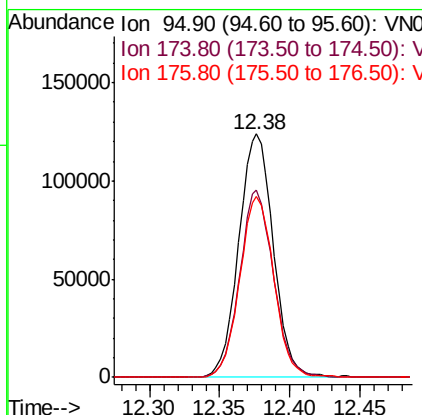
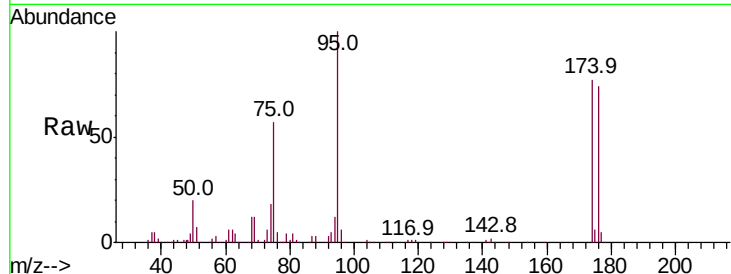




#62
4-Bromofluorobenzene
Concen: 54.108 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

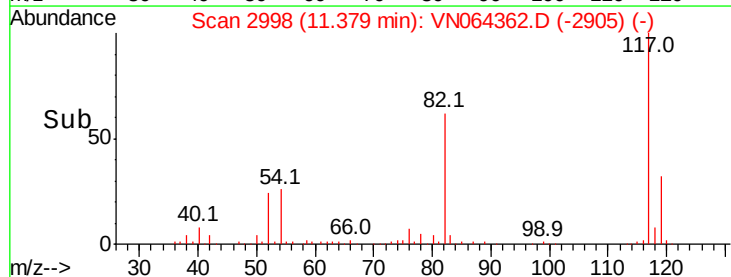
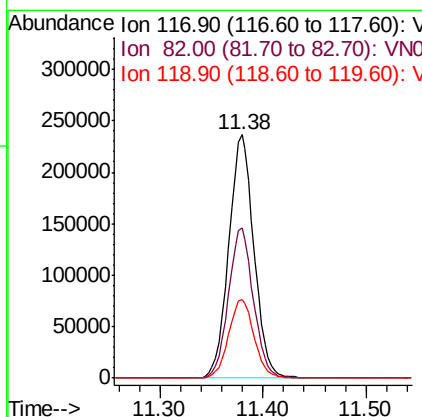
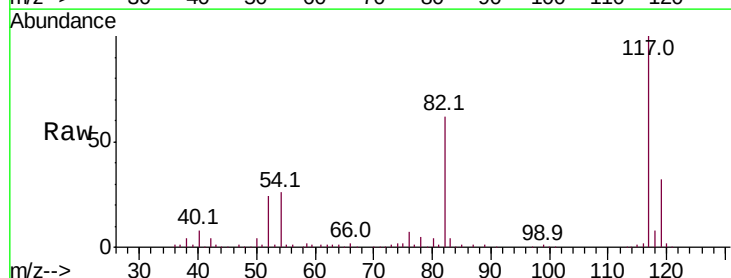
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24245

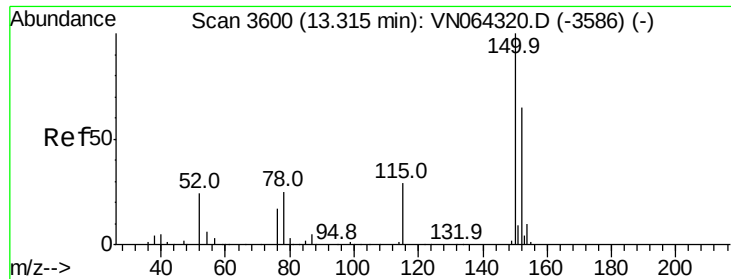
Tot Ion: 95 Resp: 212569
Ion Ratio Lower Upper
95 100
174 75.5 0.0 147.4
176 73.4 0.0 143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064362.D
Acq: 28 Oct 2020 19:07

Tgt Ion: 117 Resp: 401549
Ion Ratio Lower Upper
117 100
82 61.7 48.8 73.2
119 32.2 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064362.D

Acq: 28 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

CHRT-24245

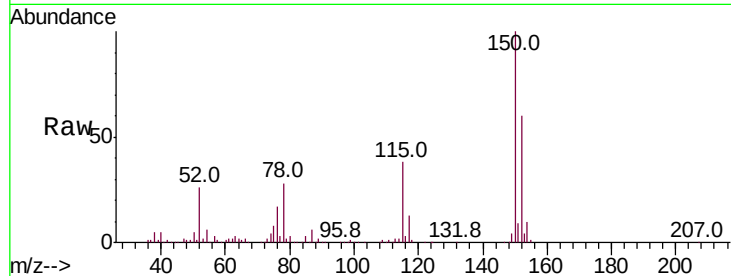
Tot Ion:152 Resp: 165940

Ion Ratio Lower Upper

152 100

115 64.1 31.5 94.5

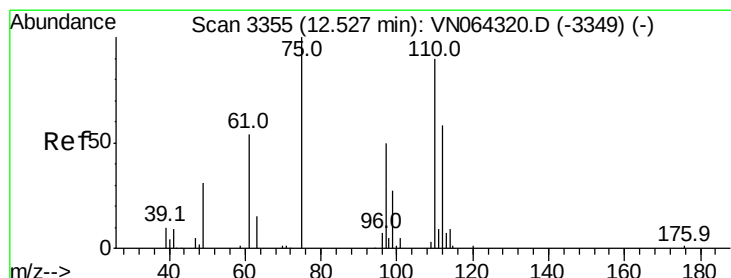
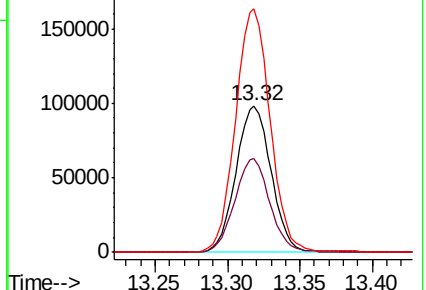
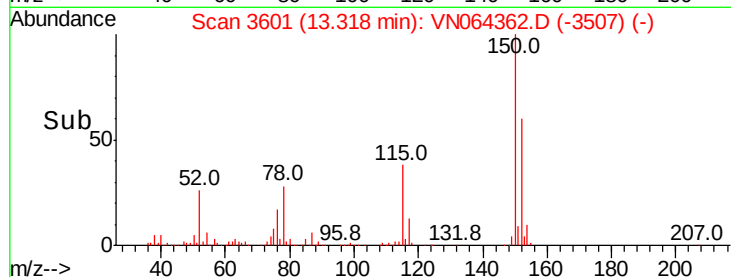
150 164.0 0.0 346.2



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



#76

1,2,3-Trichloropropane

Concen: 30.125 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064362.D

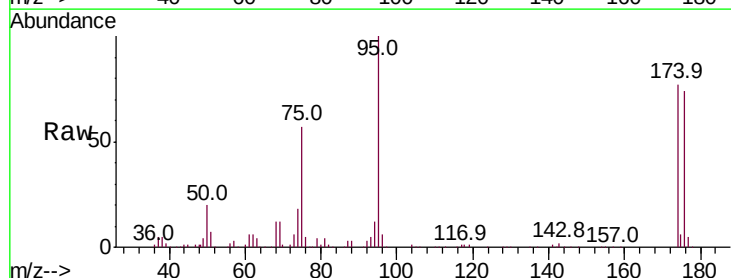
Acq: 28 Oct 2020 19:07

Tgt Ion: 75 Resp: 119712

Ion Ratio Lower Upper

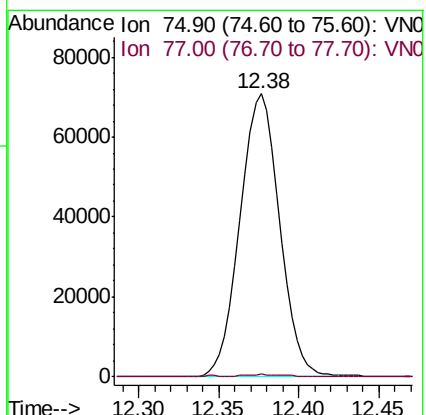
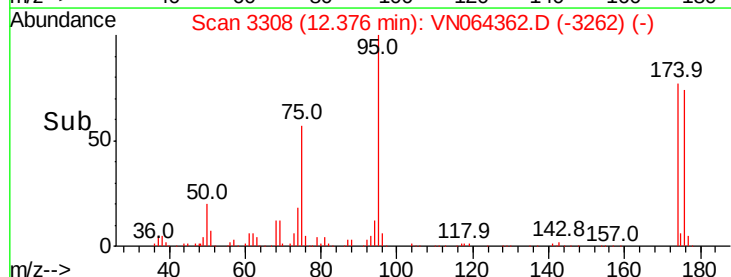
75 100

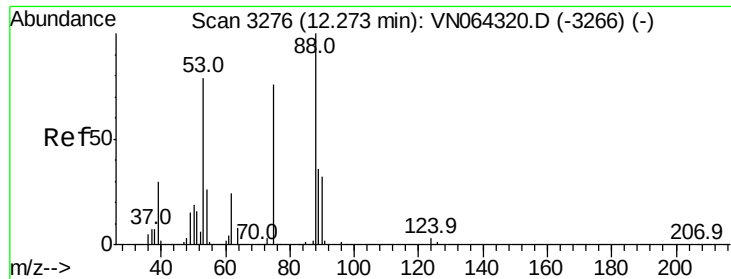
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 86.776 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064362.D

Acq: 28 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

CHRT-24245

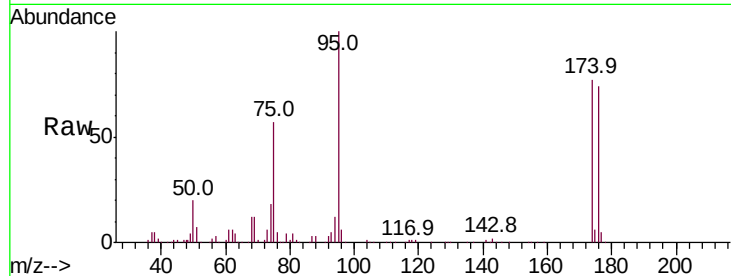
Tot Ion: 75 Resp: 119712

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

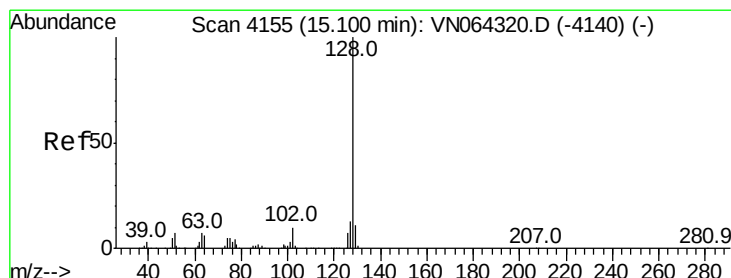
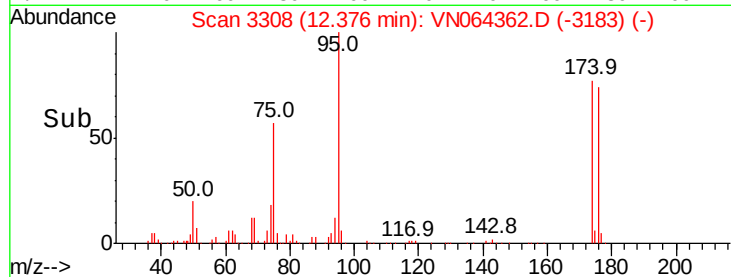
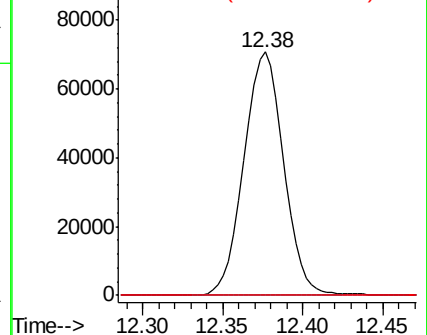
89 0.0 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 2.399 ug/l

RT: 15.09 min Scan# 4153

Delta R.T. -0.01 min

Lab File: VN064362.D

Acq: 28 Oct 2020 19:07

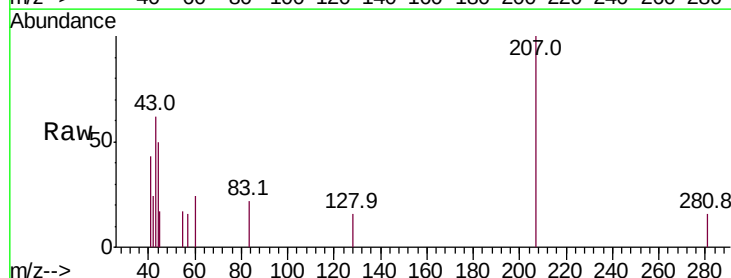
Tgt Ion: 128 Resp: 63

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

