

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077964.D
 Acq On : 19 Dec 2023 10:25
 Operator : RP/MD
 Sample : VD1219SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 01:59:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

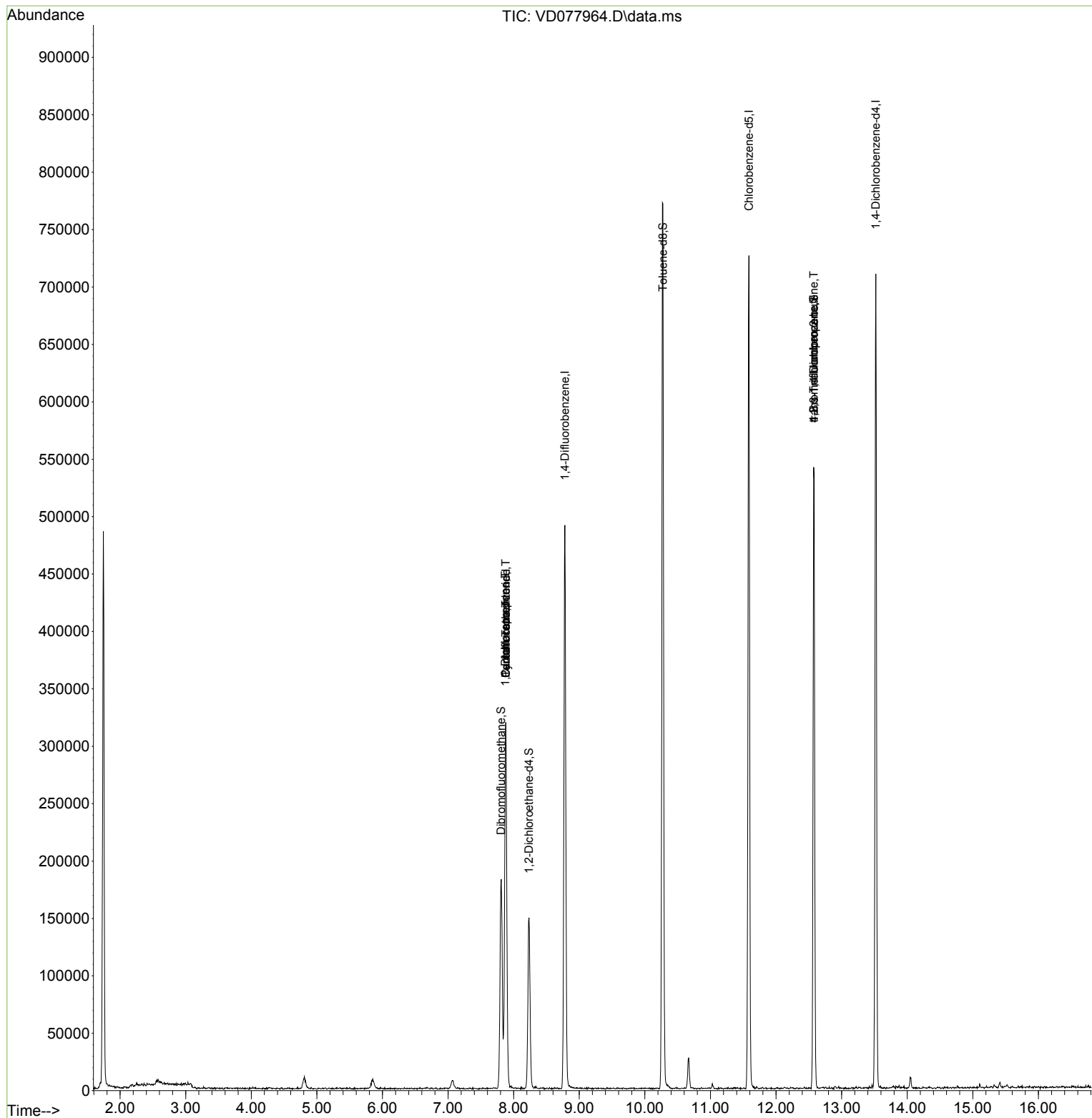
Internal Standards						
1) Pentafluorobenzene	7.881	168	249947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	436804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	416285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	188063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	116452	39.539	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.080%
35) Dibromofluoromethane	7.810	113	135358	44.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.480%
50) Toluene-d8	10.275	98	551179	44.978	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.960%
62) 4-Bromofluorobenzene	12.575	95	163089	44.514	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	57	Below Cal	#	1
16) Acetone	4.034	43	540	Below Cal	#	32
20) Methylene Chloride	4.811	84	7418	Below Cal		95
25) 2-Butanone	7.099	43	140	Below Cal	#	37
31) Cyclohexane	7.881	56	5707	1.089	ug/l #	40
36) 1,1-Dichloropropene	7.875	75	20141	4.115	ug/l #	39
38) Carbon Tetrachloride	7.881	117	23780	4.874	ug/l #	17
65) Chlorobenzene	11.610	112	304	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	84704	51.859	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	84704	105.071	ug/l #	17
88) 1,4-Dichlorobenzene	13.457	146	420	Below Cal		82
92) 1,2-Dibromo-3-Chloropr...	14.722	75	55	Below Cal	#	1

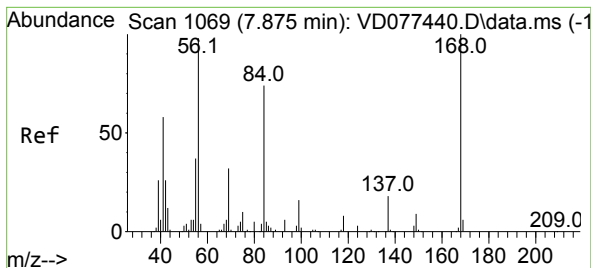
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 01:59:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD077964.D

Acq: 19 Dec 2023 10:25

Instrument :

MSVOA_D

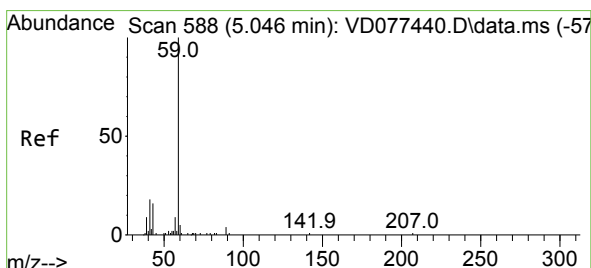
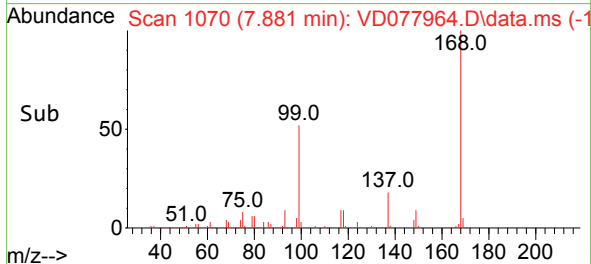
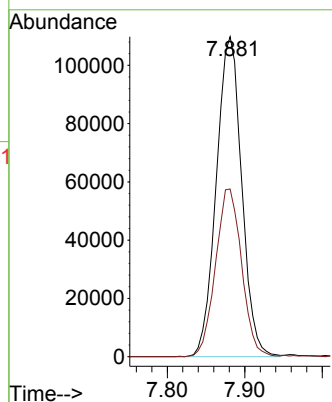
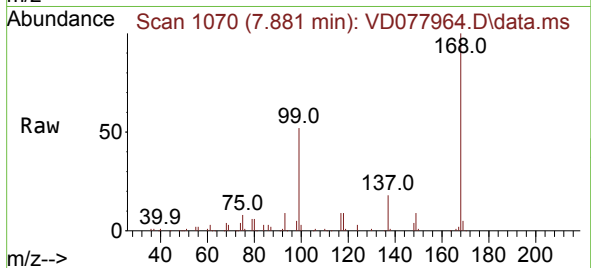
ClientSampleId :

Tgt Ion:168 Resp: 249947

Ion Ratio Lower Upper

168 100

99 52.3 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.040 min Scan# 587

Delta R.T. -0.006 min

Lab File: VD077964.D

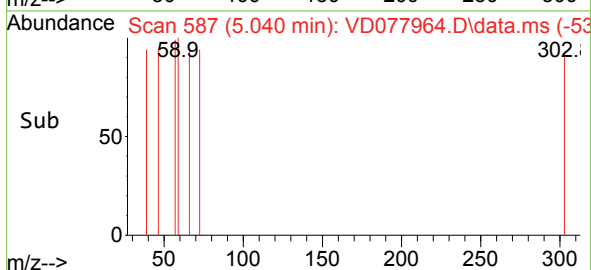
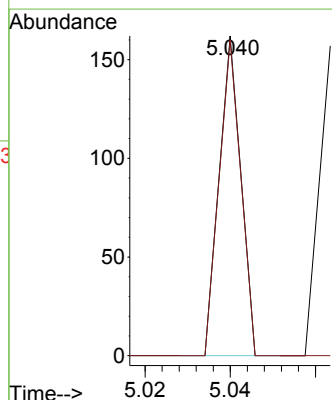
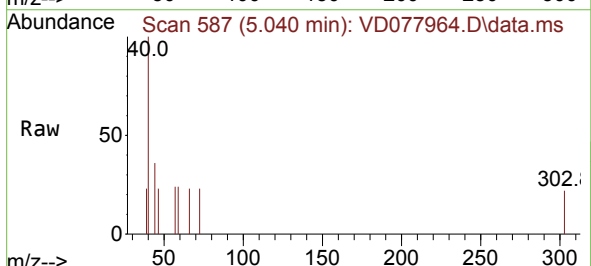
Acq: 19 Dec 2023 10:25

Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

59 100

57 98.2 7.8 11.8#

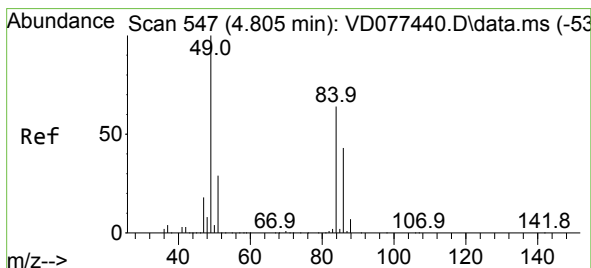
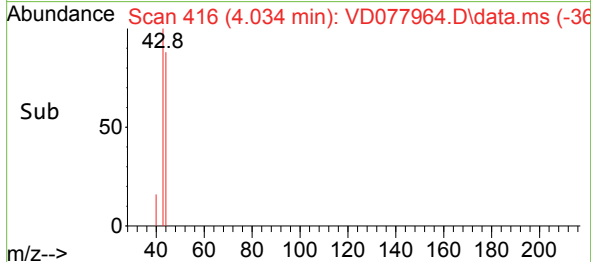
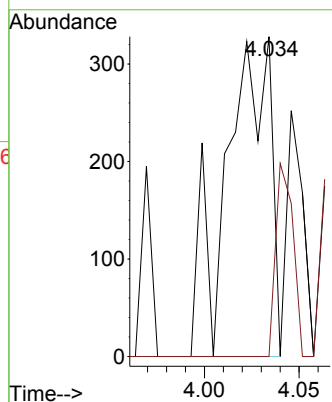
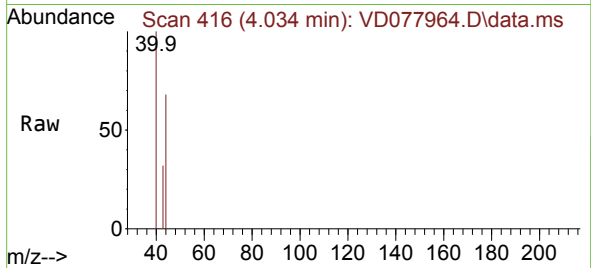




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25

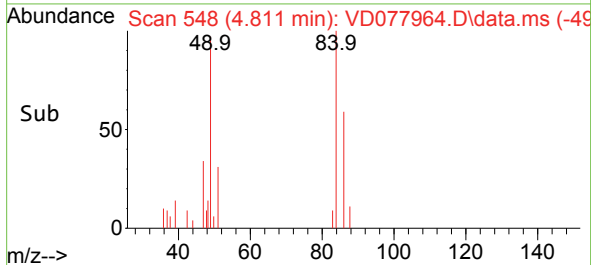
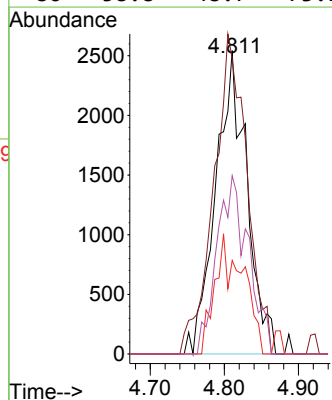
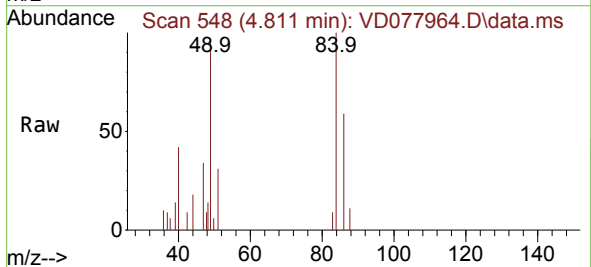
Instrument :
MSVOA_D
ClientSampleId :

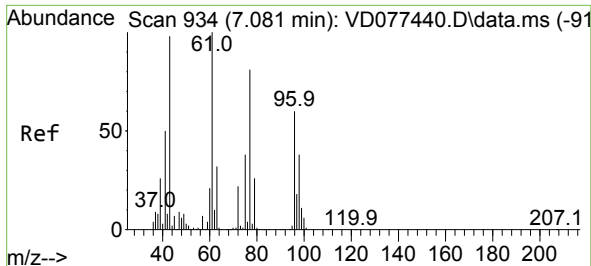
Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25

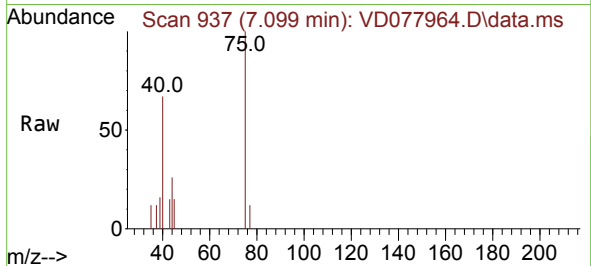
Tgt Ion: 84 Resp: 7418
Ion Ratio Lower Upper
84 100
49 97.3 71.4 107.2
51 30.8 24.5 36.7
86 58.8 48.7 73.1



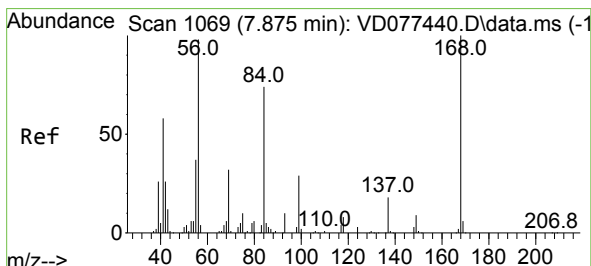
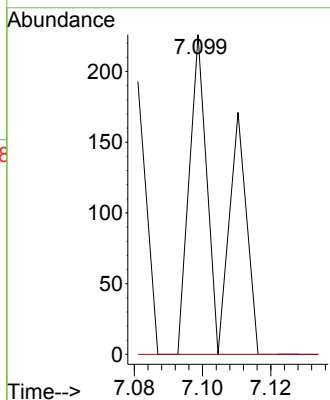
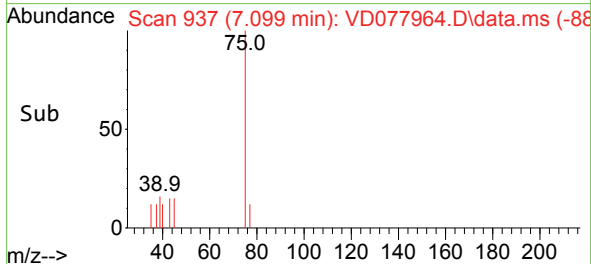


#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25

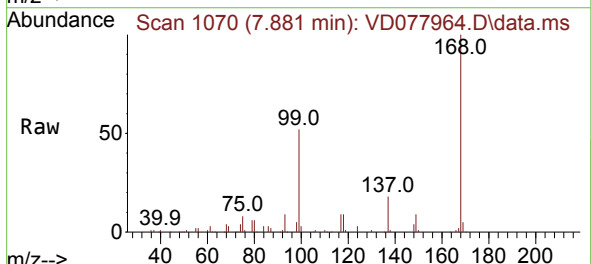
Instrument :
MSVOA_D
ClientSampleId :



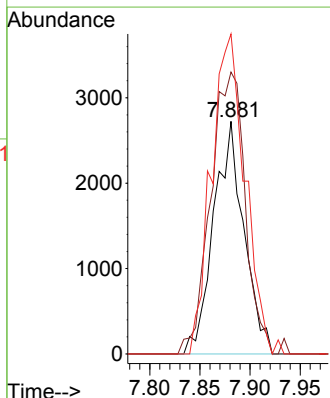
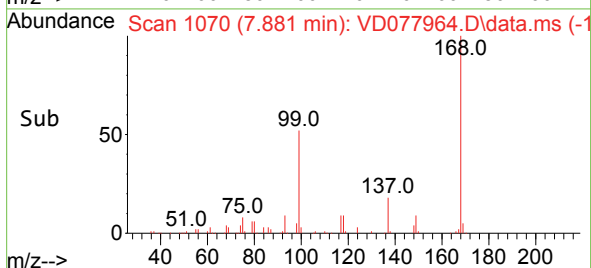
Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.089 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25



Tgt Ion: 56 Resp: 5707
Ion Ratio Lower Upper
56 100
69 121.2 28.6 43.0#
84 137.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 39.539 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077964.D

Acq: 19 Dec 2023 10:25

Instrument :

MSVOA_D

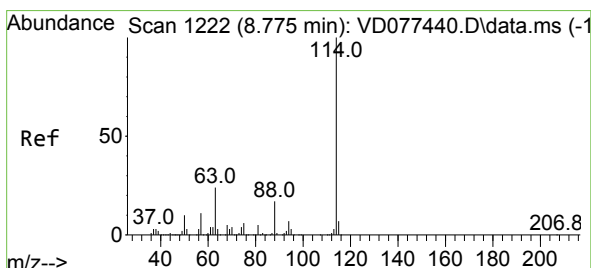
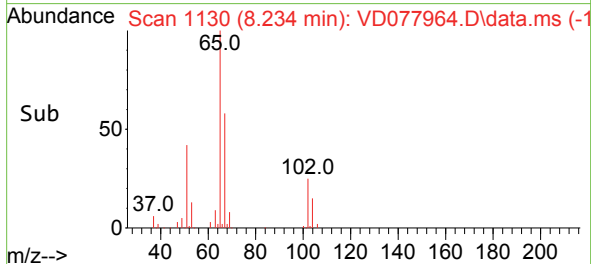
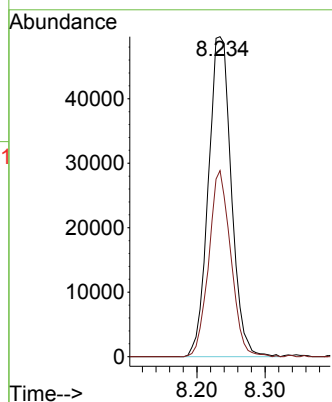
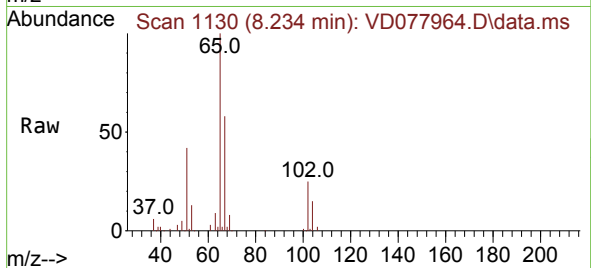
ClientSampleId :

Tgt Ion: 65 Resp: 116452

Ion Ratio Lower Upper

65 100

67 55.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077964.D

Acq: 19 Dec 2023 10:25

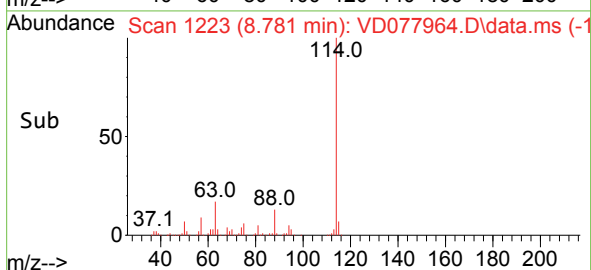
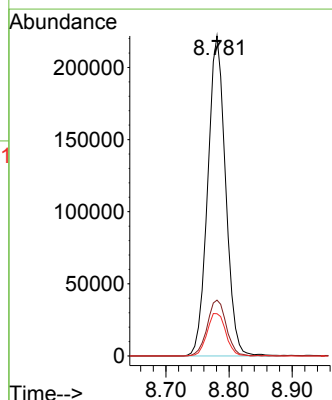
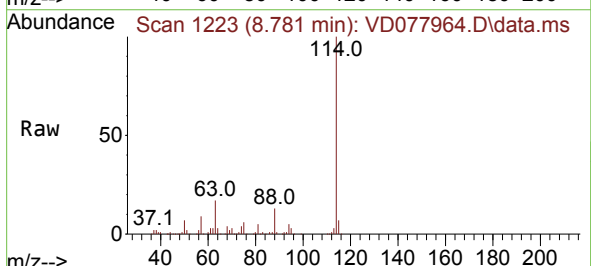
Tgt Ion: 114 Resp: 436804

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 13.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.240 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

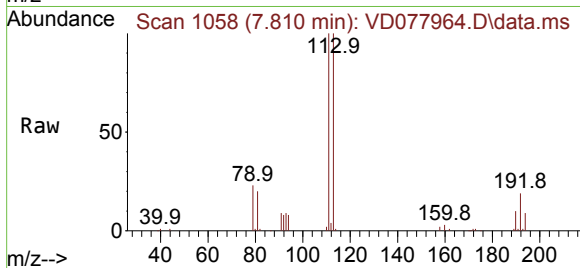
Lab File: VD077964.D

Acq: 19 Dec 2023 10:25

Instrument :

MSVOA_D

ClientSampleId :



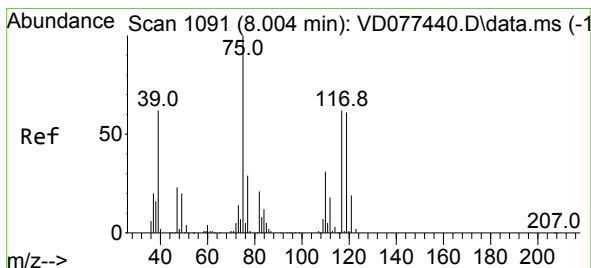
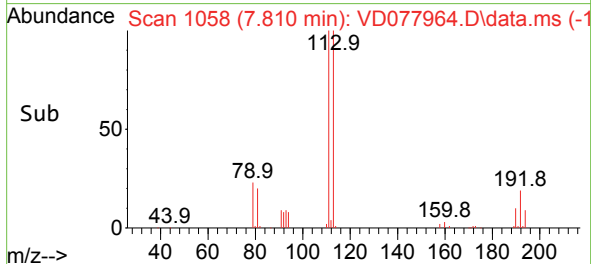
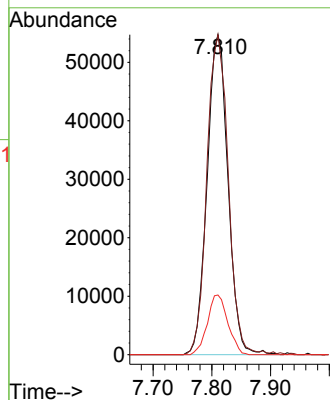
Tgt Ion:113 Resp: 135358

Ion Ratio Lower Upper

113 100

111 102.1 84.7 127.1

192 18.2 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.115 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077964.D

Acq: 19 Dec 2023 10:25

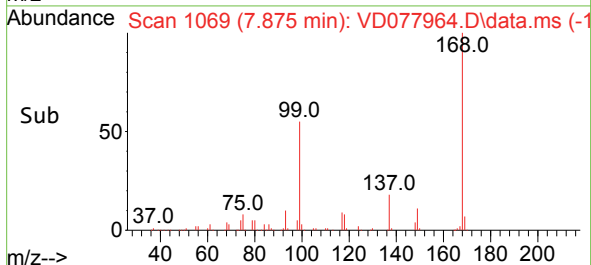
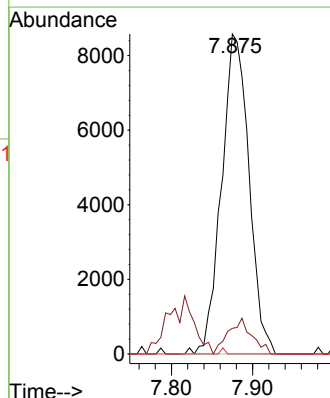
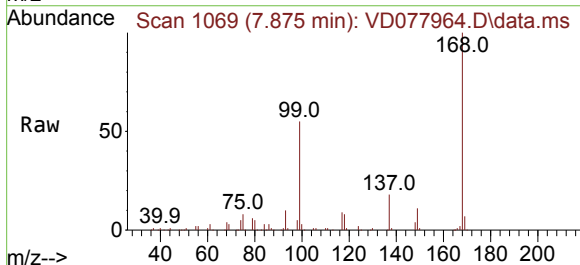
Tgt Ion: 75 Resp: 20141

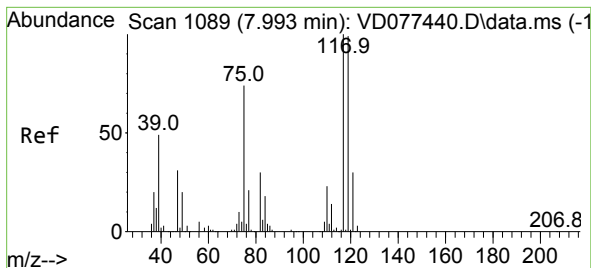
Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

77 0.3 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.874 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.112 min

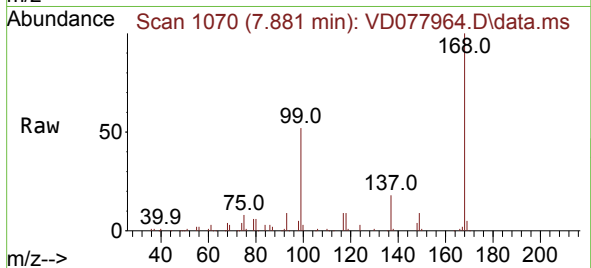
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Acq: 19 Dec 2023 10:25

Instrument :

MSVOA_D

ClientSampleId :



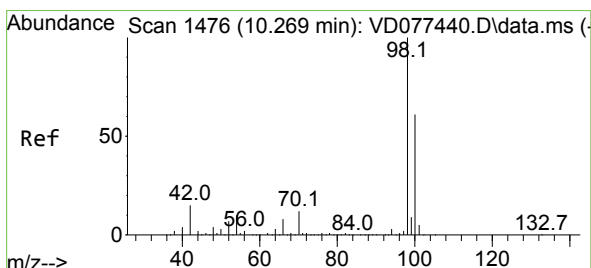
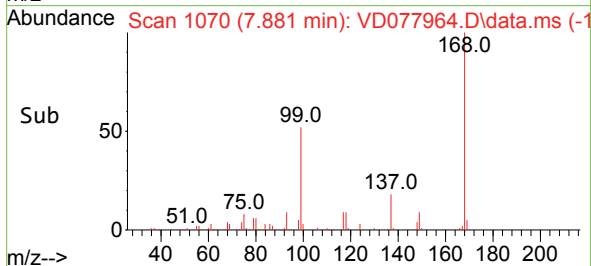
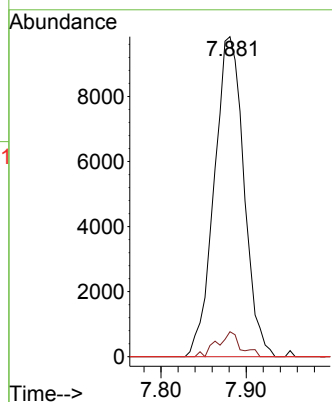
Tgt Ion:117 Resp: 23780

Ion Ratio Lower Upper

117 100

119 7.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 44.978 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD077964.D

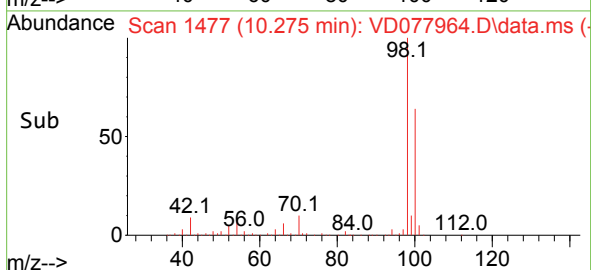
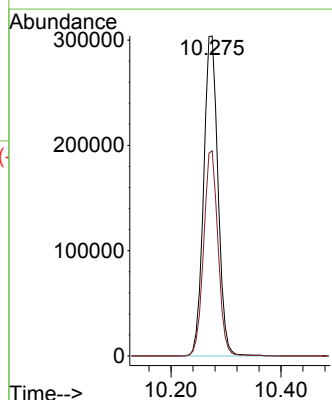
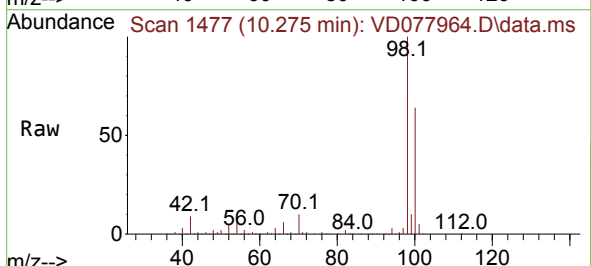
Acq: 19 Dec 2023 10:25

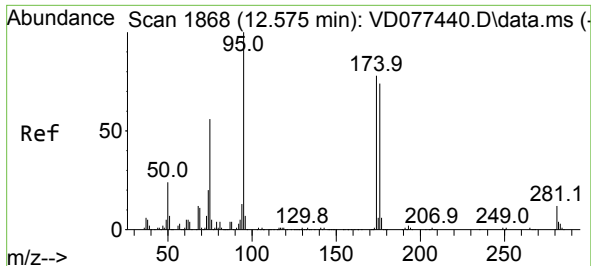
Tgt Ion: 98 Resp: 551179

Ion Ratio Lower Upper

98 100

100 64.2 50.3 75.5

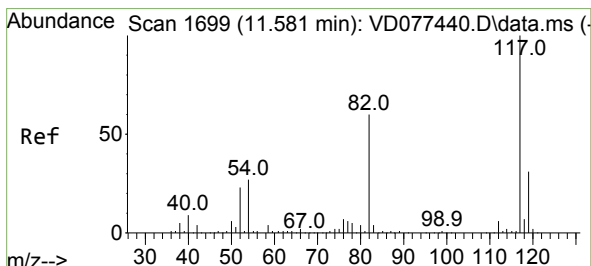
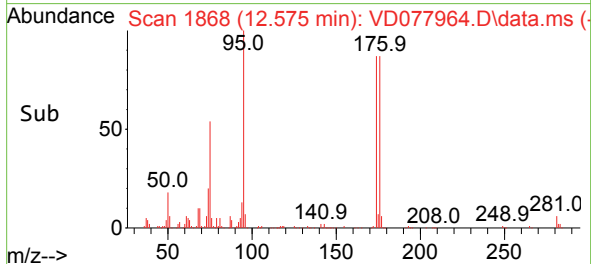
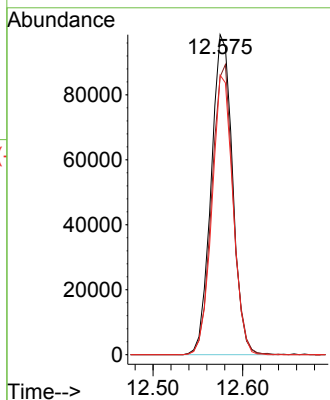
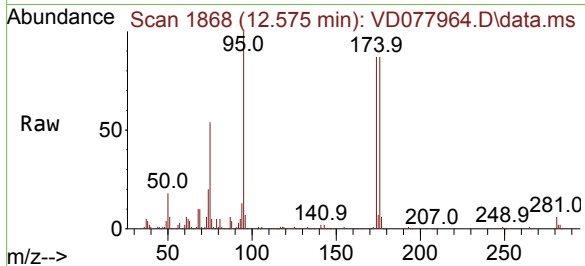




#62
4-Bromofluorobenzene
Concen: 44.514 ug/l
RT: 12.575 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25

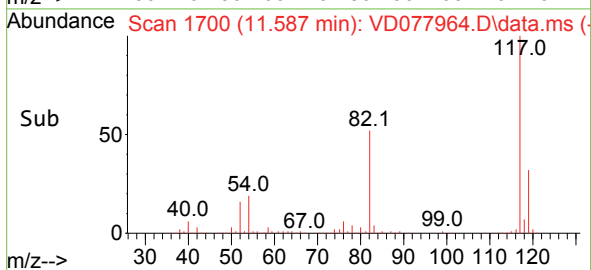
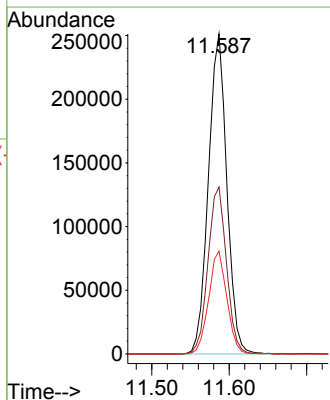
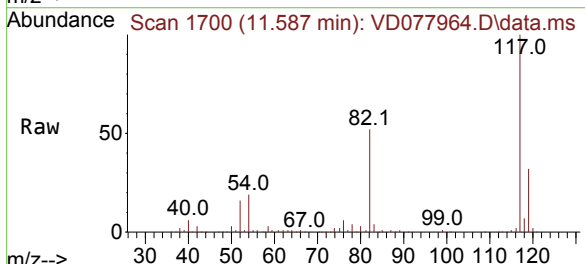
Instrument :
MSVOA_D
ClientSampleId :

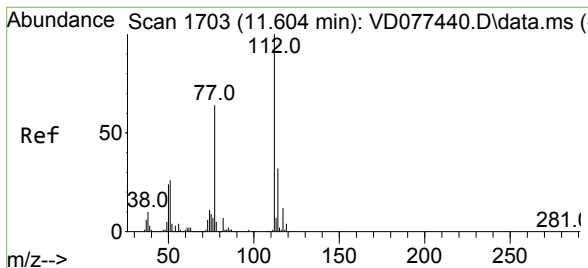
Tgt Ion: 95 Resp: 163089
Ion Ratio Lower Upper
95 100
174 90.1 0.0 201.8
176 85.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25

Tgt Ion: 117 Resp: 416285
Ion Ratio Lower Upper
117 100
82 52.1 38.3 57.5
119 32.2 25.0 37.4

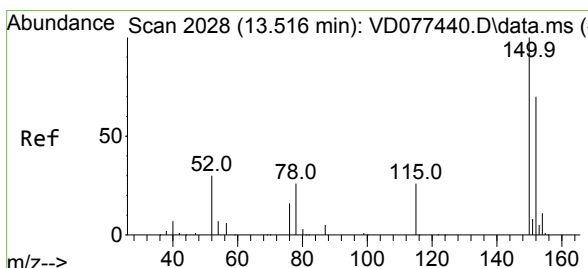
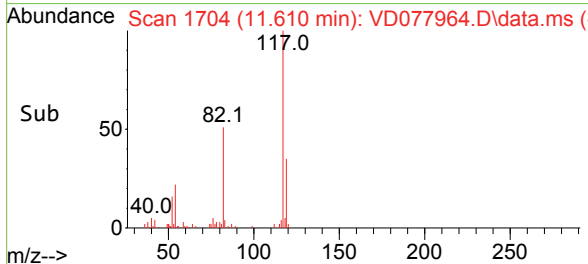
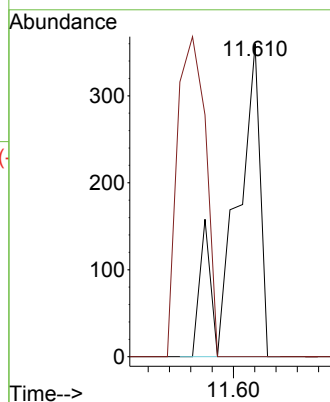
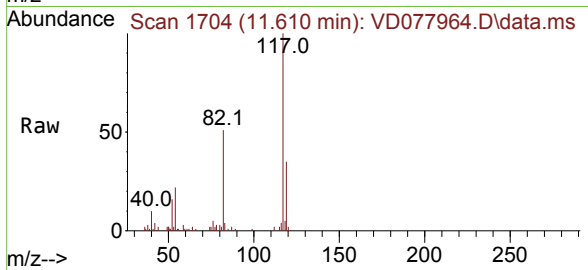




#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25

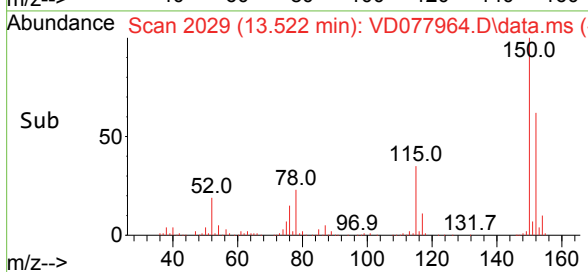
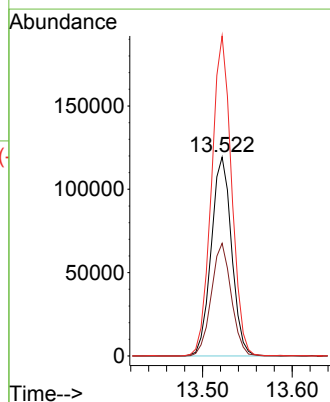
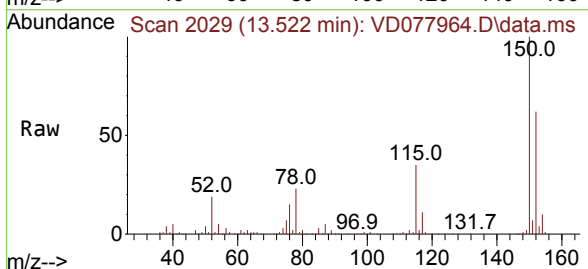
Instrument :
MSVOA_D
ClientSampleId :

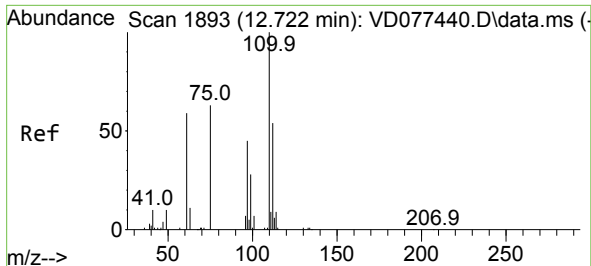
Tgt Ion:112 Resp: 304
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25

Tgt Ion:152 Resp: 188063
Ion Ratio Lower Upper
152 100
115 55.6 27.1 81.3
150 158.4 0.0 353.6

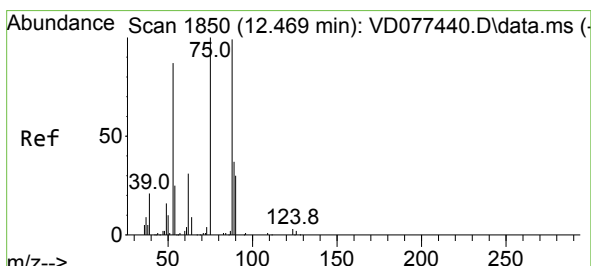
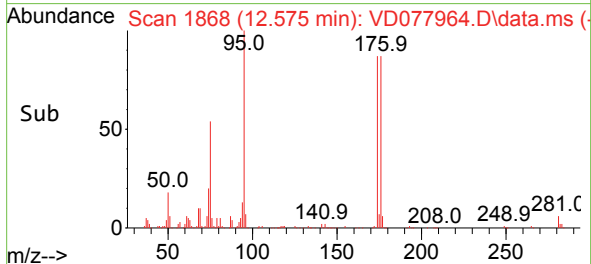
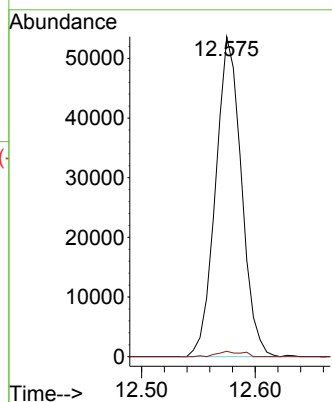
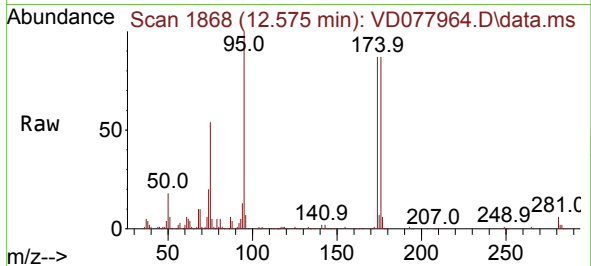




#76
1,2,3-Trichloropropane
Concen: 51.859 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25

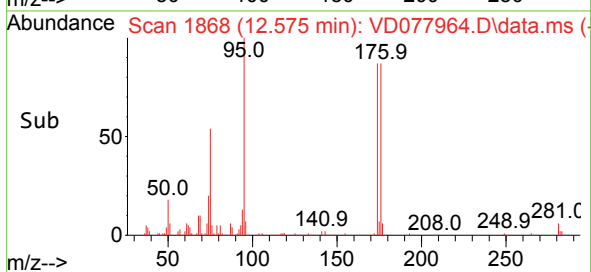
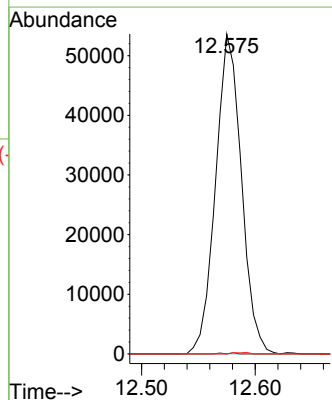
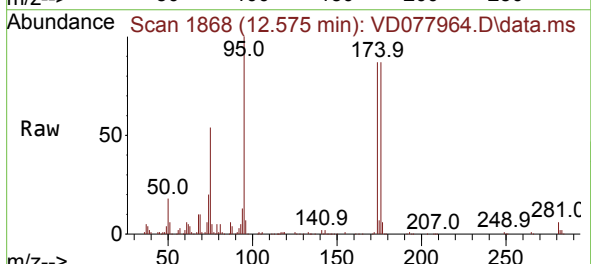
Instrument :
MSVOA_D
ClientSampleId :

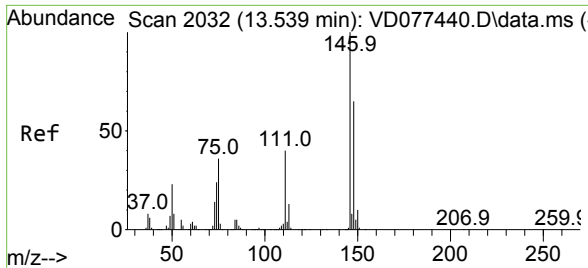
Tgt Ion: 75 Resp: 84704
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.071 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077964.D
Acq: 19 Dec 2023 10:25

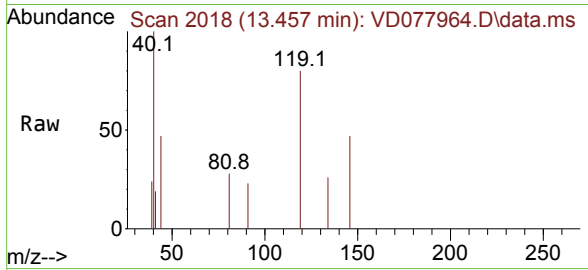
Tgt Ion: 75 Resp: 84704
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.457 min Scan# 20
 Delta R.T. -0.082 min
 Lab File: VD077964.D
 Acq: 19 Dec 2023 10:25

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	420
Ion	Ratio	Lower	Upper
146	100		
111	26.9	17.4	52.3
148	47.6	31.7	95.1

