

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077829.D
 Acq On : 11 Dec 2023 23:19
 Operator : JC/SY
 Sample : 05657-01
 Misc : 5.44G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:54:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

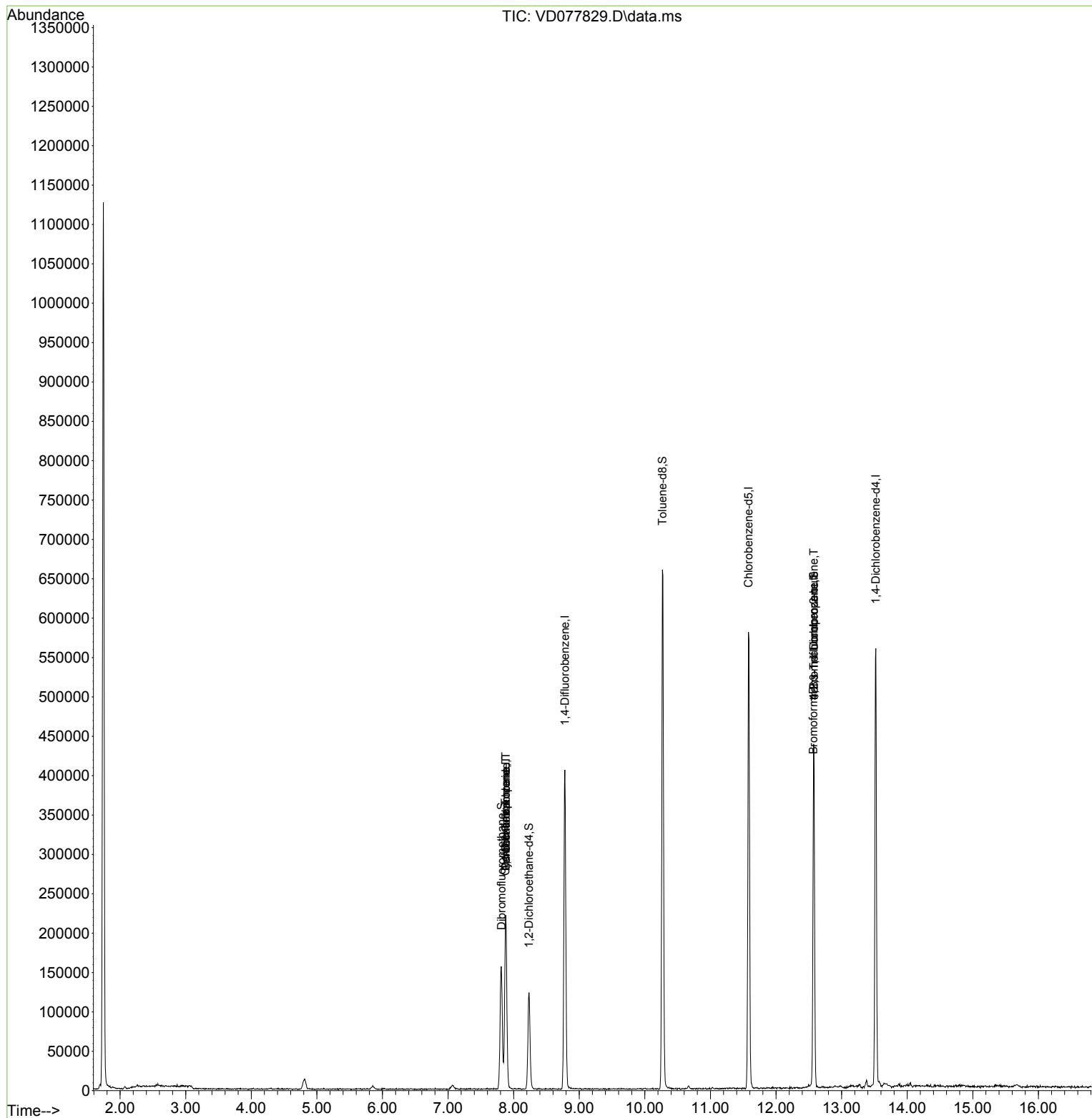
Internal Standards						
1) Pentafluorobenzene	7.881	168	174613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	367334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	345203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	154472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	97448	47.361	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.720%
35) Dibromofluoromethane	7.816	113	112875	43.868	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.740%
50) Toluene-d8	10.269	98	466046	45.223	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.440%
62) 4-Bromofluorobenzene	12.575	95	134619	43.693	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.122	59	64	Below Cal	#	73
16) Acetone	4.022	43	410	Below Cal	#	32
20) Methylene Chloride	4.805	84	10242	Below Cal	#	91
25) 2-Butanone	7.087	43	237	Below Cal	#	37
31) Cyclohexane	7.875	56	4060	1.109	ug/l #	53
36) 1,1-Dichloropropene	7.881	75	12547	3.049	ug/l #	49
38) Carbon Tetrachloride	7.881	117	17638	4.299	ug/l #	14
65) Chlorobenzene	11.604	112	317	Below Cal	#	43
71) Bromoform	12.569	173	1580	1.053	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	71234	53.096	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	71234	107.577	ug/l #	17
88) 1,4-Dichlorobenzene	13.540	146	198	Below Cal	#	28

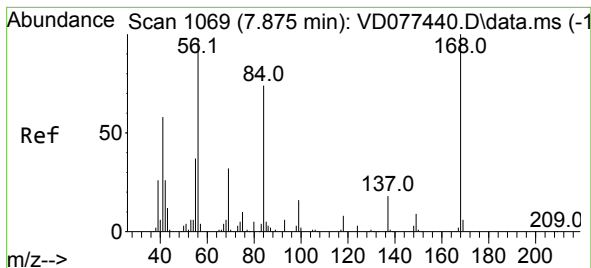
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 08 13:33:18 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077829.D

Acq: 11 Dec 2023 23:19

Instrument :

MSVOA_D

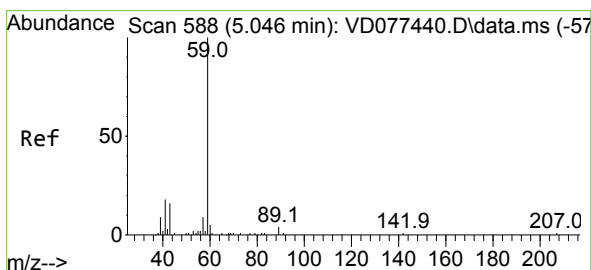
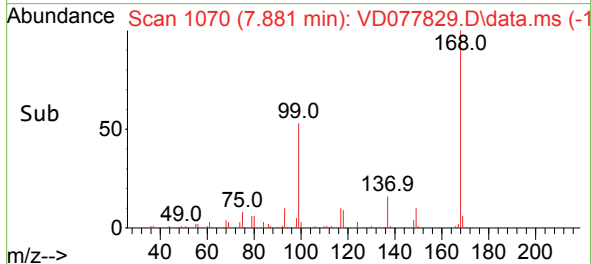
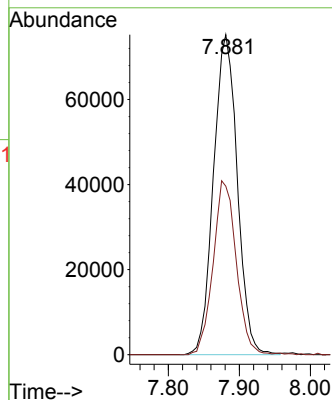
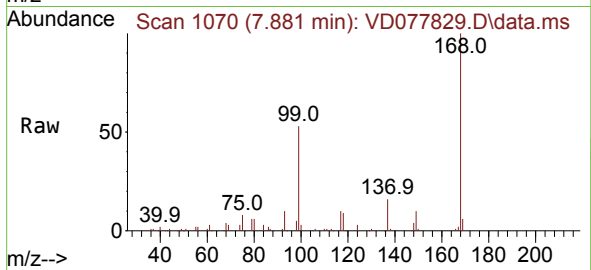
ClientSampleId :

Tgt Ion:168 Resp: 174613

Ion Ratio Lower Upper

168 100

99 52.7 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.122 min Scan# 601

Delta R.T. 0.076 min

Lab File: VD077829.D

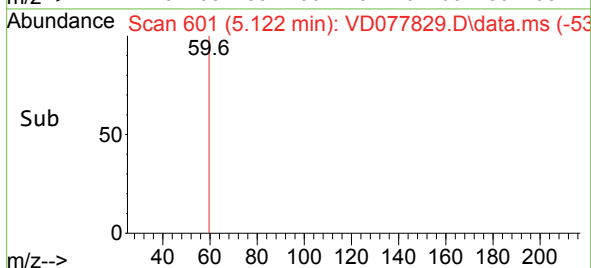
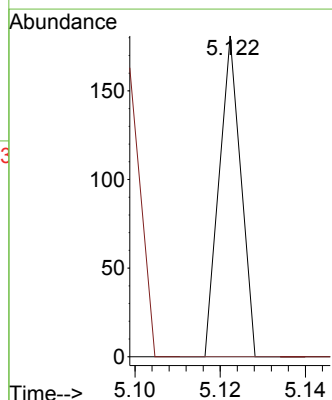
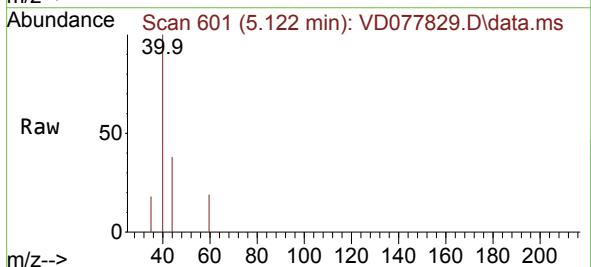
Acq: 11 Dec 2023 23:19

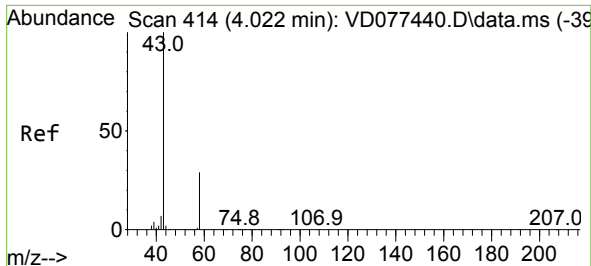
Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

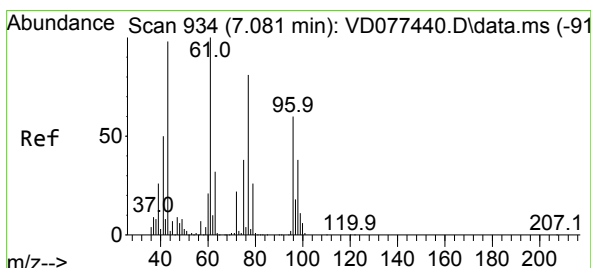
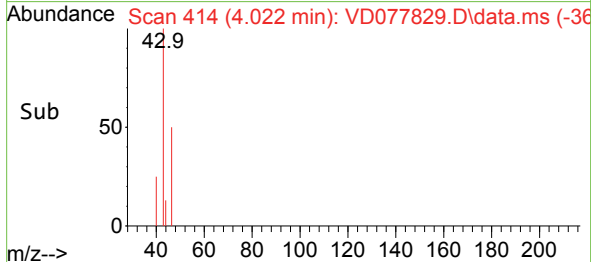
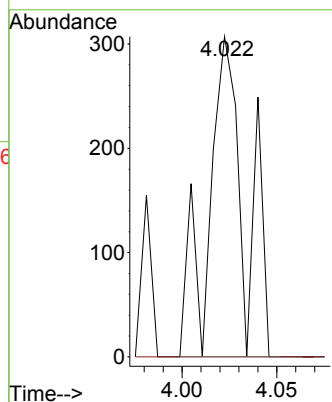
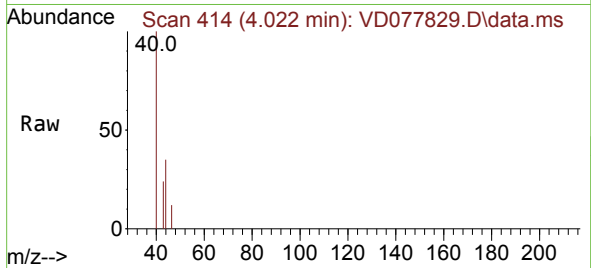




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

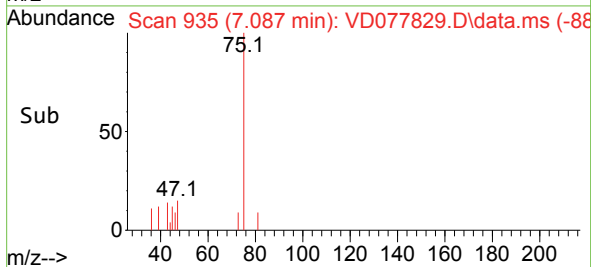
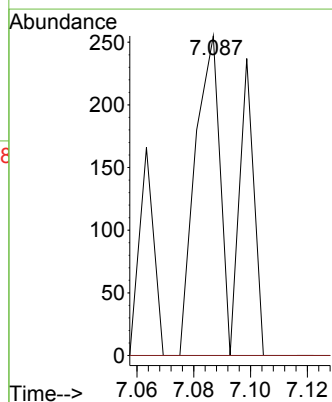
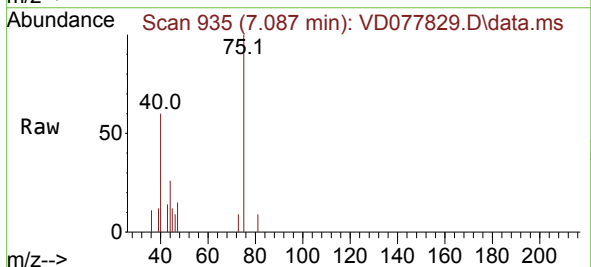
Instrument :
MSVOA_D
ClientSampleId :

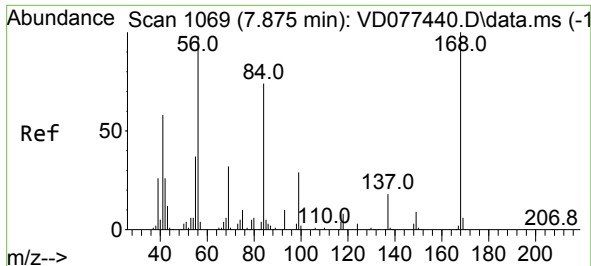
Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

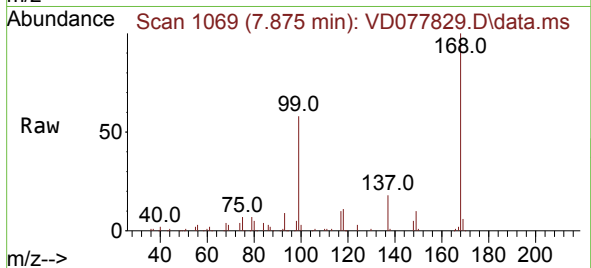
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



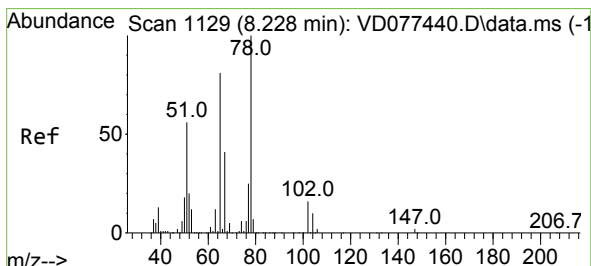
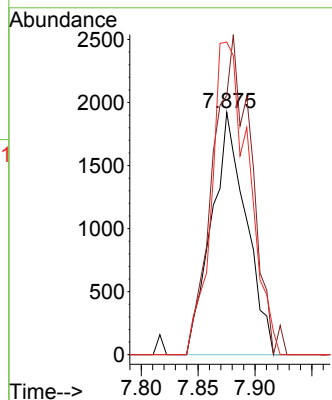
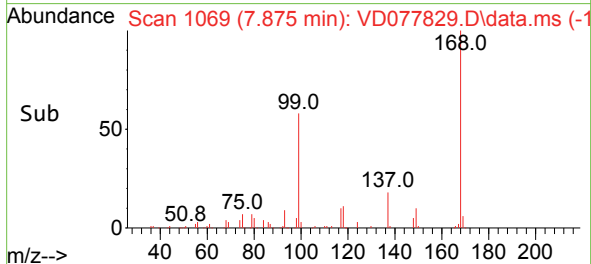


#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.875 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Instrument :
MSVOA_D
ClientSampleId :

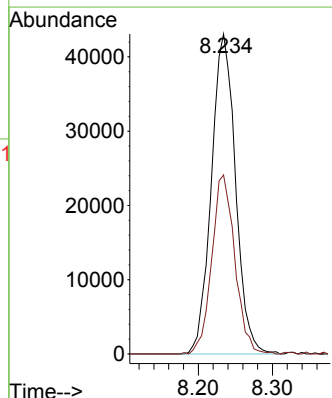
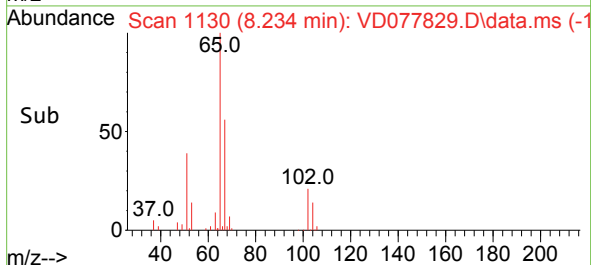
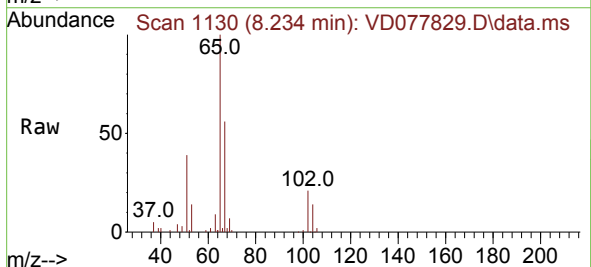


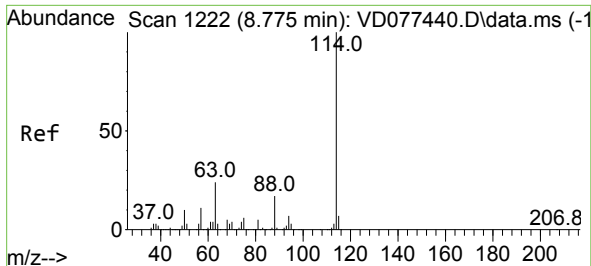
Tgt Ion: 56 Resp: 4060
Ion Ratio Lower Upper
56 100
69 106.9 28.6 43.0#
84 129.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 47.361 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Tgt Ion: 65 Resp: 97448
Ion Ratio Lower Upper
65 100
67 53.5 0.0 115.0

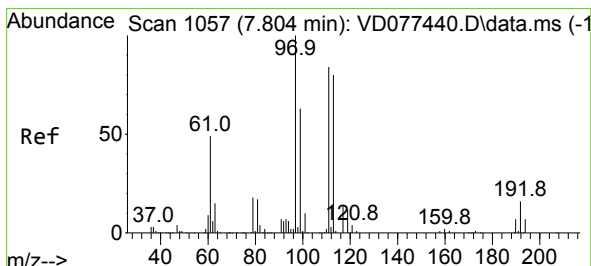
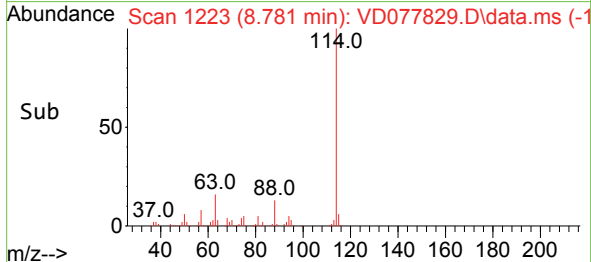
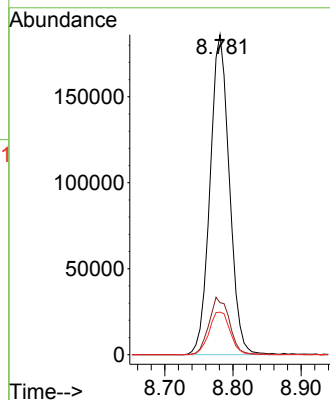
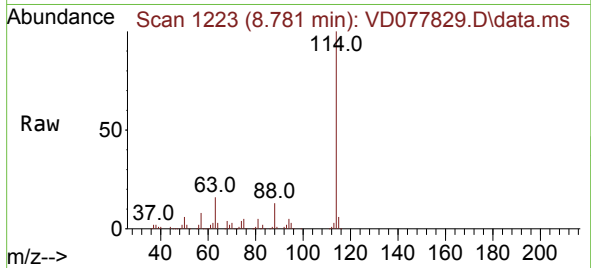




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

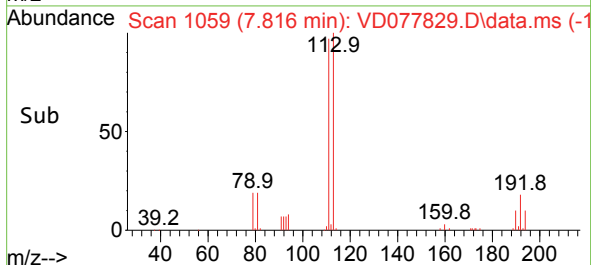
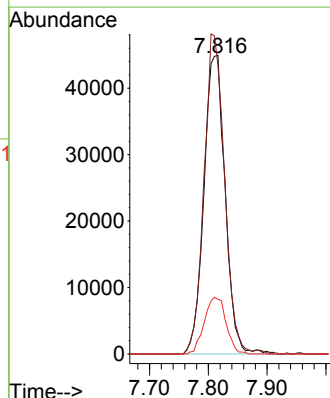
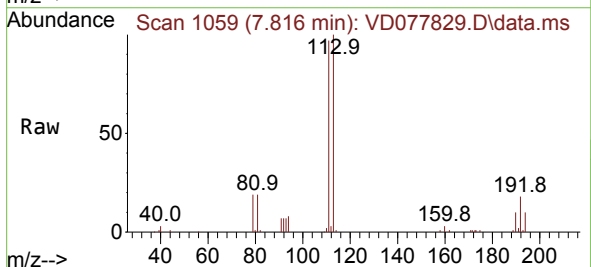
Instrument :
MSVOA_D
ClientSampleId :

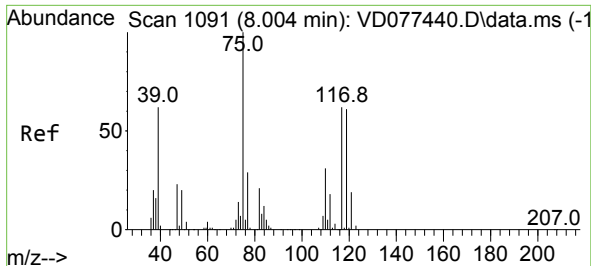
Tgt Ion:114 Resp: 367334
Ion Ratio Lower Upper
114 100
63 16.2 0.0 33.4
88 13.3 0.0 26.2



#35
Dibromofluoromethane
Concen: 43.868 ug/l
RT: 7.816 min Scan# 1059
Delta R.T. 0.012 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

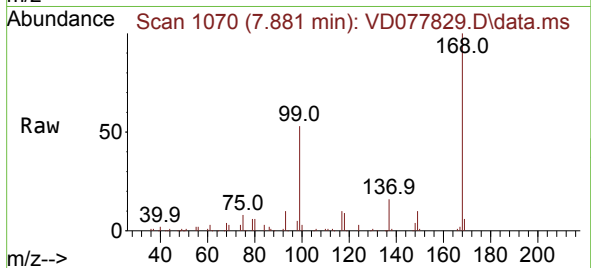
Tgt Ion:113 Resp: 112875
Ion Ratio Lower Upper
113 100
111 103.0 84.7 127.1
192 19.4 16.8 25.2



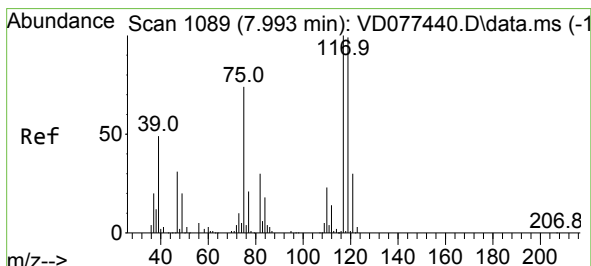
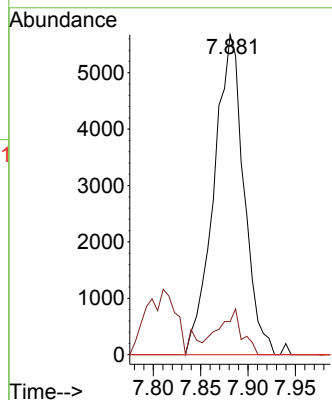
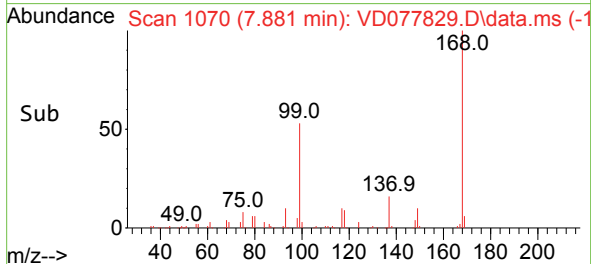


#36
1,1-Dichloropropene
Concen: 3.049 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Instrument :
MSVOA_D
ClientSampleId :

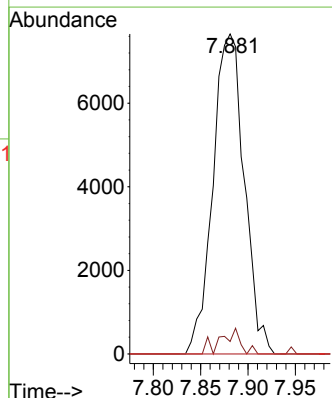
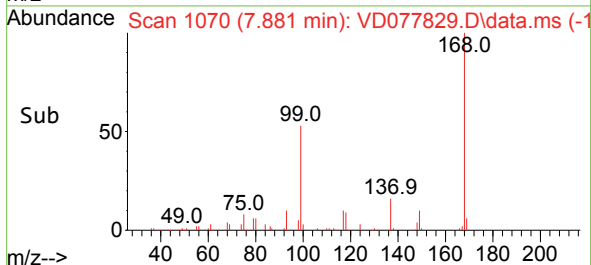
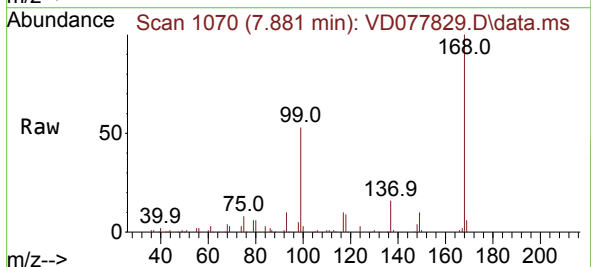


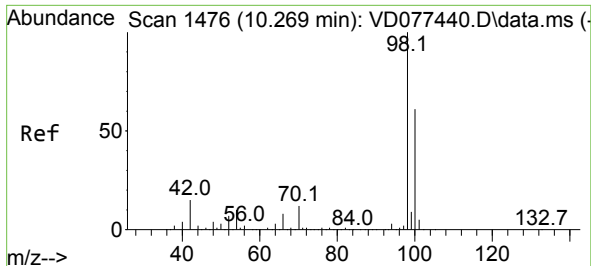
Tgt Ion: 75 Resp: 12547
Ion Ratio Lower Upper
75 100
110 11.2 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.299 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Tgt Ion: 117 Resp: 17638
Ion Ratio Lower Upper
117 100
119 3.9 78.0 117.0#
121 0.0 24.2 36.2#

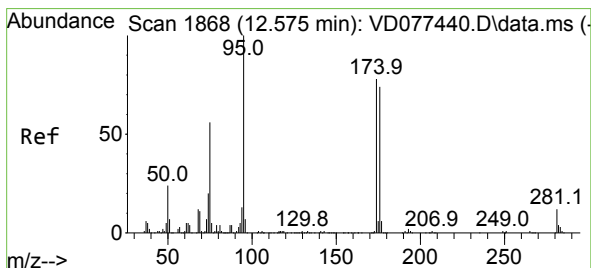
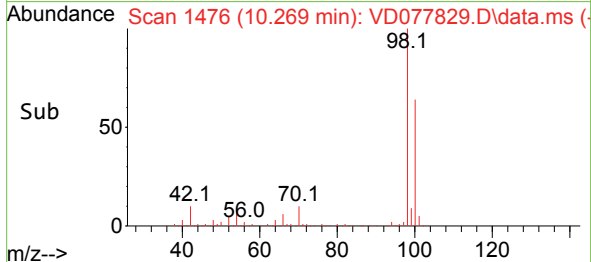
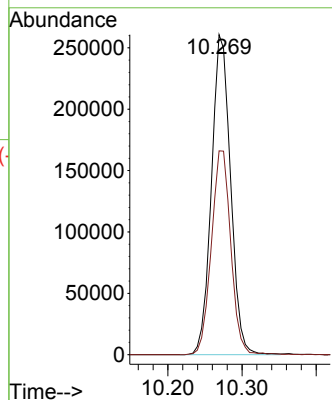
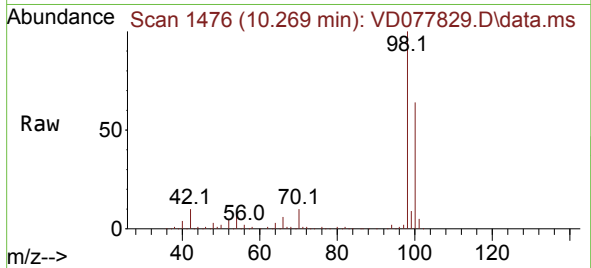




#50
Toluene-d8
Concen: 45.223 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

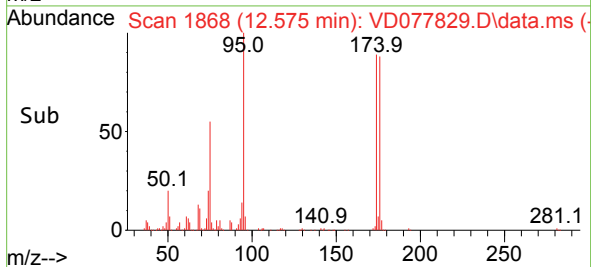
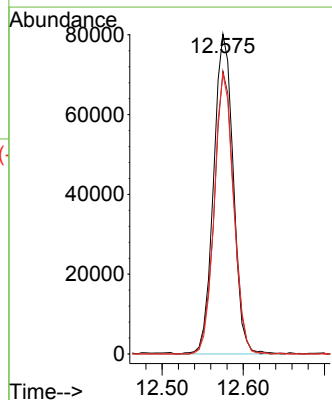
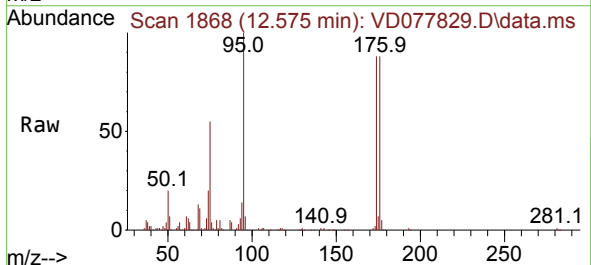
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MSVOA_D
ClientSampleId :

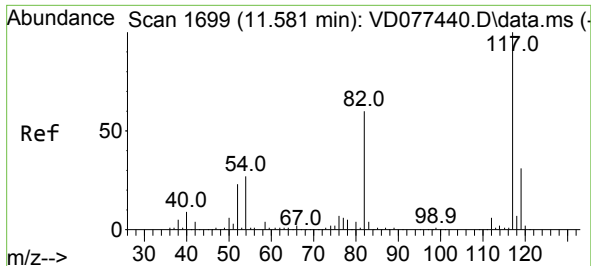
Tgt Ion: 98 Resp: 466046
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.693 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Tgt Ion: 95 Resp: 134619
Ion Ratio Lower Upper
95 100
174 87.5 0.0 201.8
176 85.9 0.0 191.8

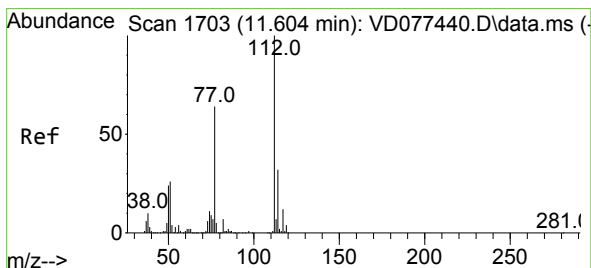
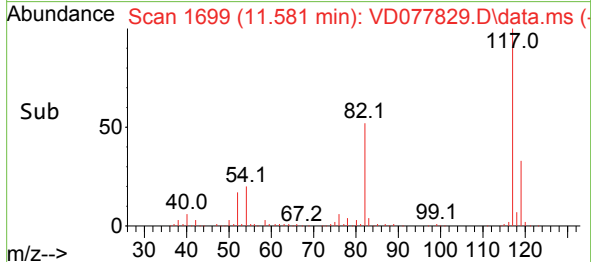
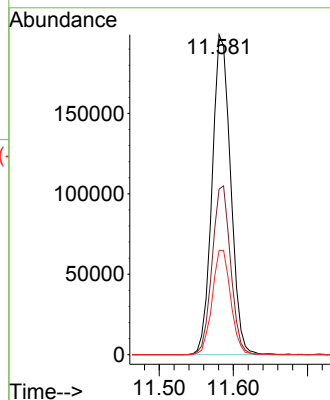
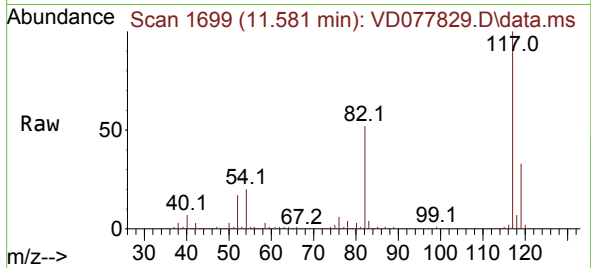




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

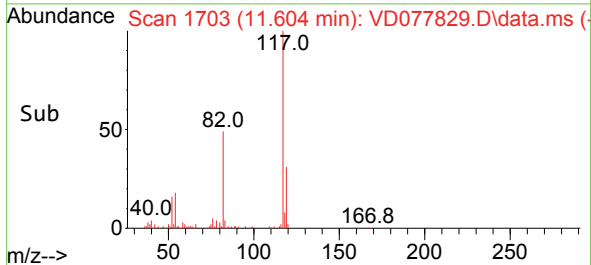
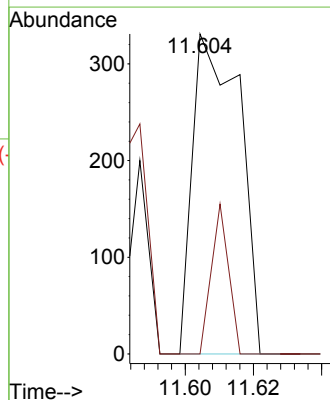
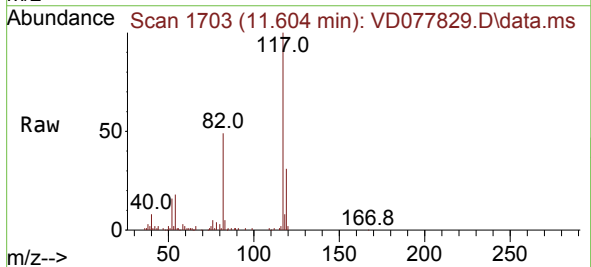
Instrument :
MSVOA_D
ClientSampleId :

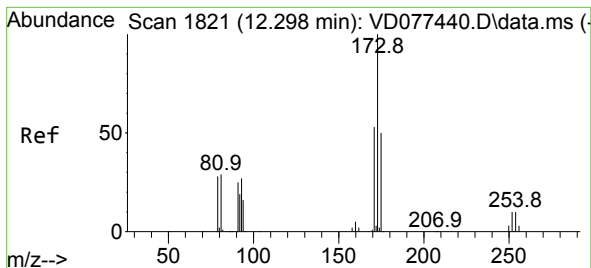
Tgt Ion:117 Resp: 345203
Ion Ratio Lower Upper
117 100
82 51.7 38.3 57.5
119 32.6 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Tgt Ion:112 Resp: 317
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#





#71

Bromoform

Concen: 1.053 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.271 min

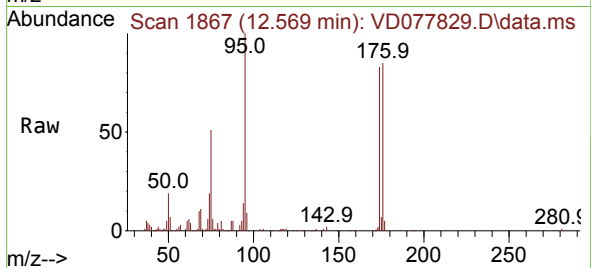
Lab File: VD077829.D

Acq: 11 Dec 2023 23:19

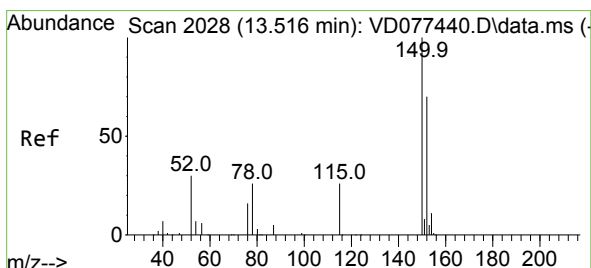
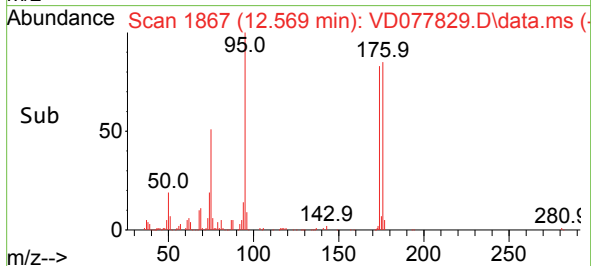
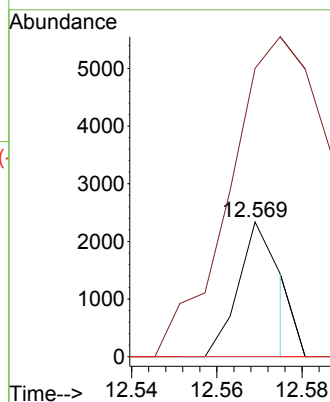
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	173	Resp:	1580
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.6	73.8#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

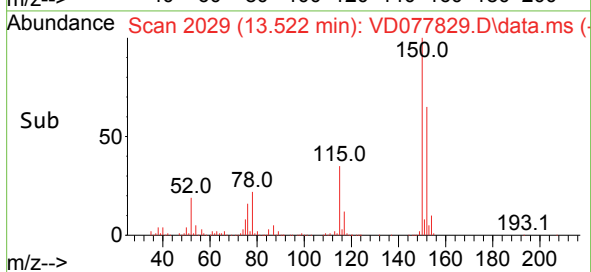
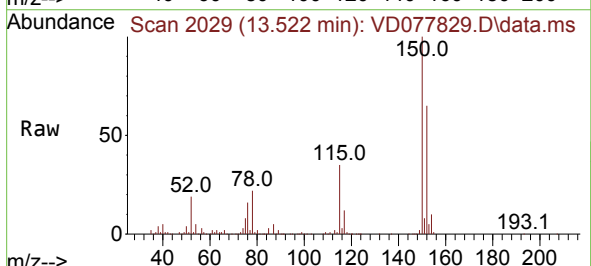
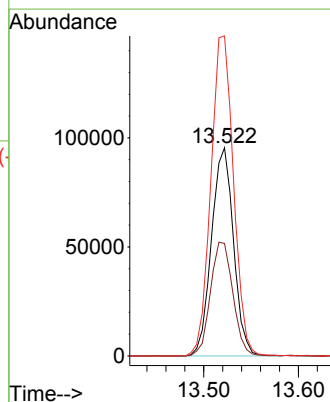
RT: 13.522 min Scan# 2029

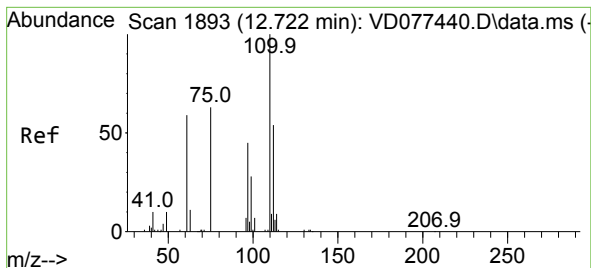
Delta R.T. 0.006 min

Lab File: VD077829.D

Acq: 11 Dec 2023 23:19

Tgt Ion:	152	Resp:	154472
Ion Ratio	Lower	Upper	
152	100		
115	55.7	27.1	81.3
150	158.4	0.0	353.6





#76

1,2,3-Trichloropropane

Concen: 53.096 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077829.D

Acq: 11 Dec 2023 23:19

Instrument :

MSVOA_D

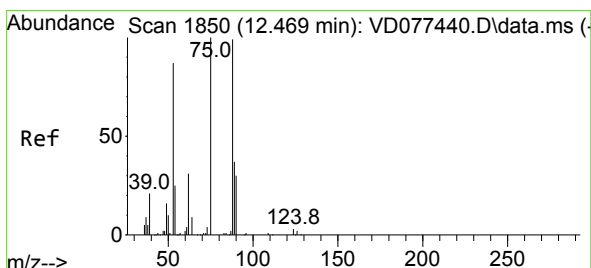
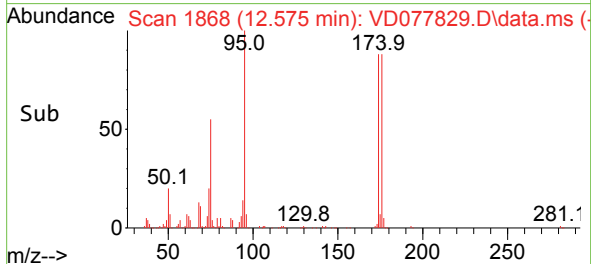
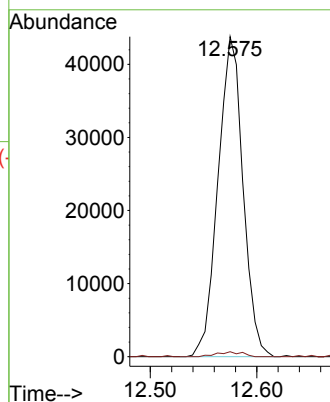
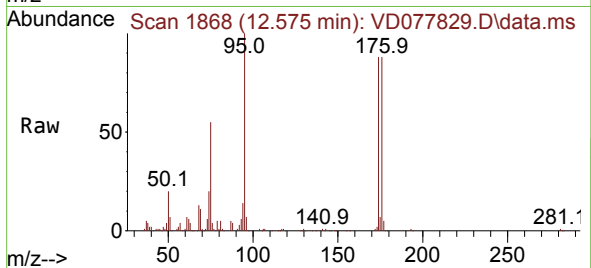
ClientSampleId :

Tgt Ion: 75 Resp: 71234

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.577 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD077829.D

Acq: 11 Dec 2023 23:19

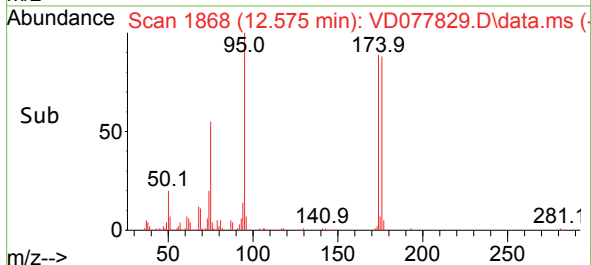
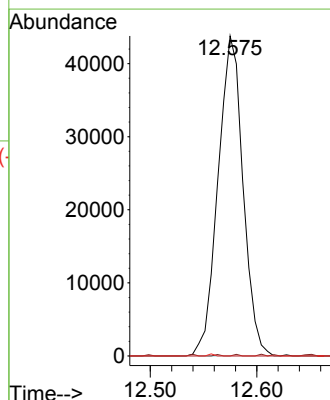
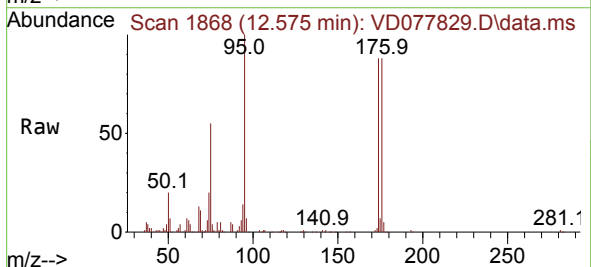
Tgt Ion: 75 Resp: 71234

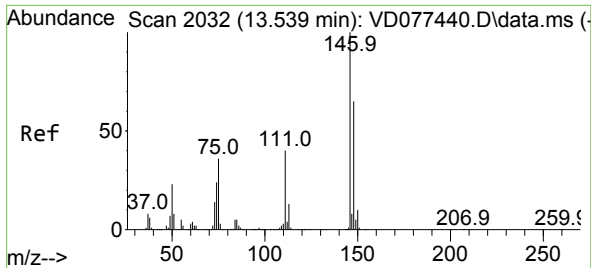
Ion Ratio Lower Upper

75 100

53 0.1 63.0 94.4#

89 0.0 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.540 min Scan# 20

Delta R.T. 0.001 min

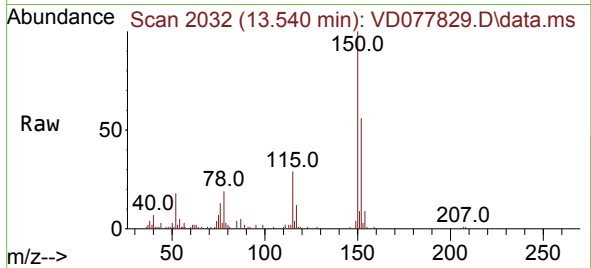
Lab File: VD077829.D

Acq: 11 Dec 2023 23:19

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:146 Resp: 198

Ion Ratio Lower Upper

146 100

111 66.7 17.4 52.3#

148 0.0 31.7 95.1#

