

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077974.D
 Acq On : 19 Dec 2023 15:19
 Operator : RP/MD
 Sample : 05883-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:05:22 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)

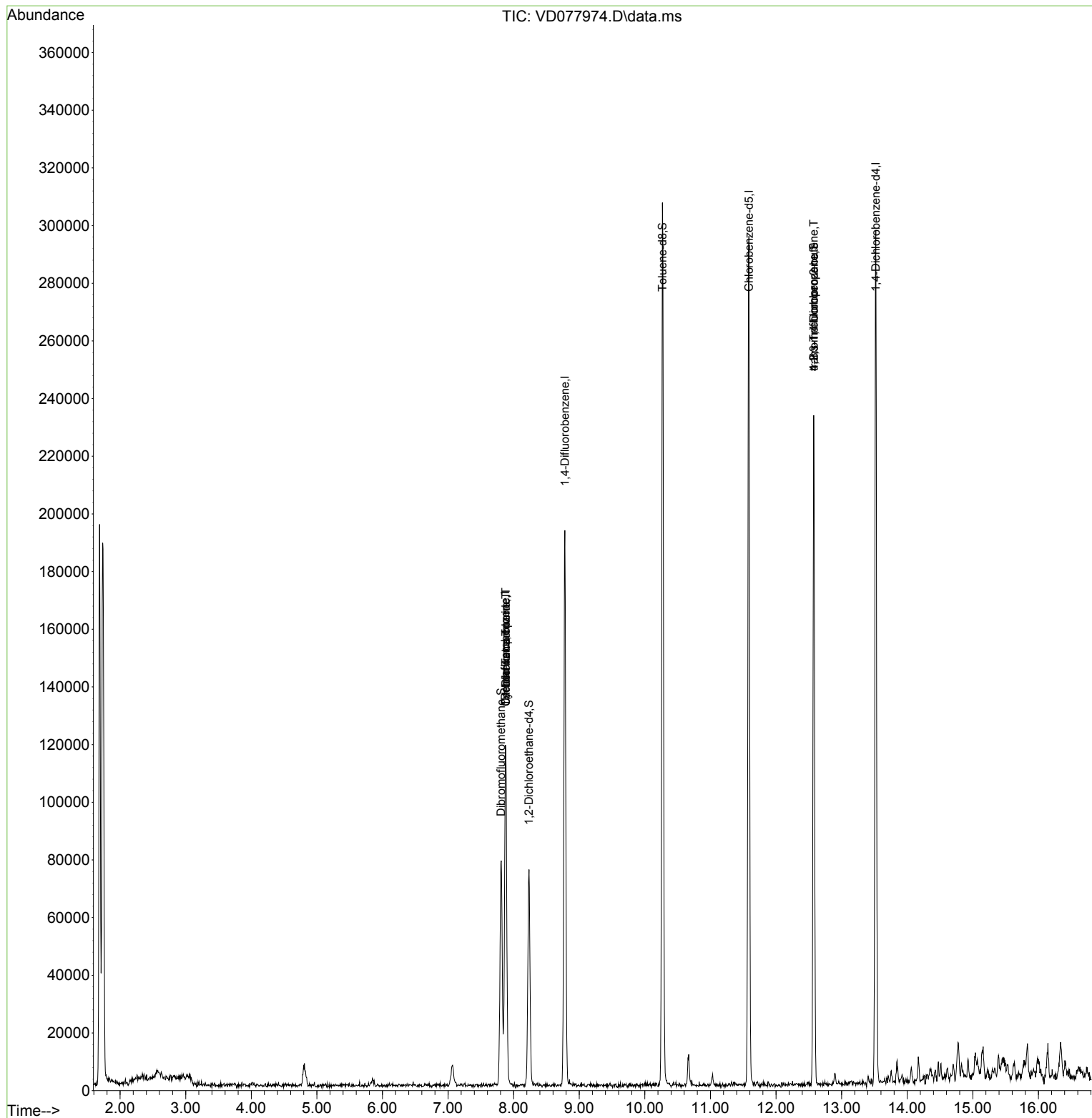
Internal Standards						
1) Pentafluorobenzene	7.875	168	91831	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	169637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	174119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	80608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	58489	54.052	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.100%	
35) Dibromofluoromethane	7.810	113	57084	48.040	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.080%	
50) Toluene-d8	10.269	98	219304	46.081	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.160%	
62) 4-Bromofluorobenzene	12.575	95	70126	49.286	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.580%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.222	59	61	Below Cal	#	73
16) Acetone	4.022	43	305	Below Cal		90
20) Methylene Chloride	4.811	84	5465	Below Cal	#	78
25) 2-Butanone	7.081	43	539	Below Cal	#	37
31) Cyclohexane	7.881	56	2015	1.047	ug/l	# 39
36) 1,1-Dichloropropene	7.881	75	8287	4.360	ug/l	# 47
38) Carbon Tetrachloride	7.881	117	9513	5.020	ug/l	# 19
76) 1,2,3-Trichloropropane	12.575	75	36070	51.522	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	36070	104.388	ug/l	# 17
88) 1,4-Dichlorobenzene	13.522	146	185	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.245	75	70	Below Cal	#	1

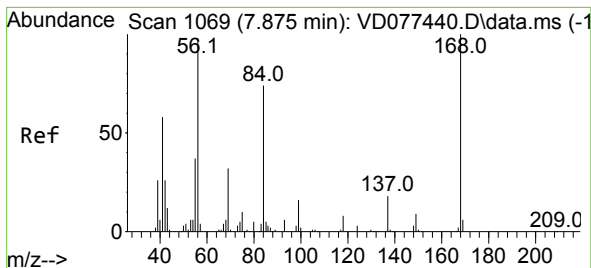
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077974.D

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Instrument :

MSVOA_D

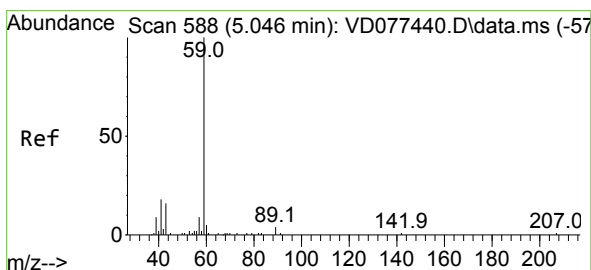
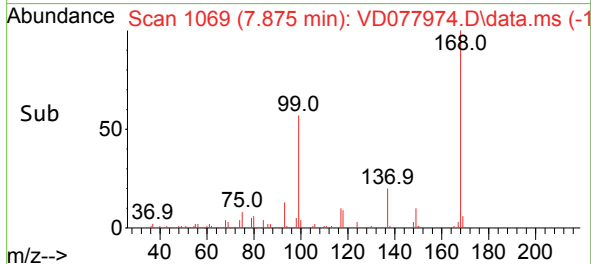
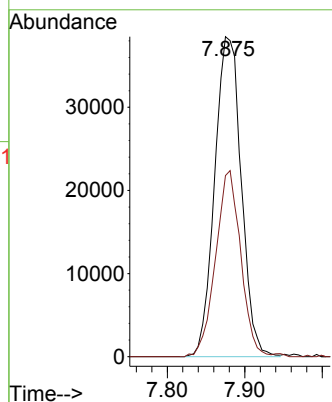
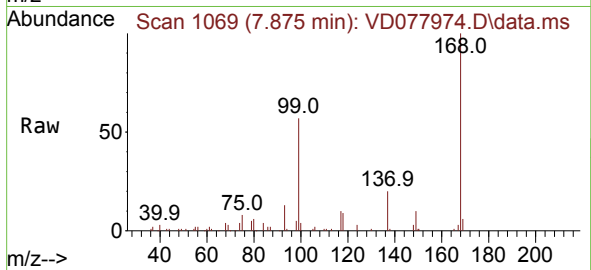
ClientSampleId :

Tgt Ion:168 Resp: 91831

Ion Ratio Lower Upper

168 100

99 56.6 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.222 min Scan# 618

Delta R.T. 0.176 min

Lab File: VD077974.D

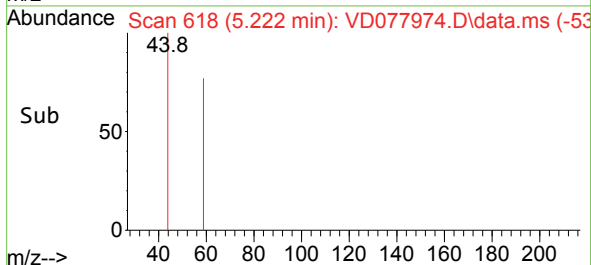
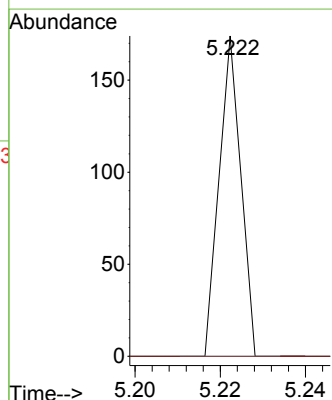
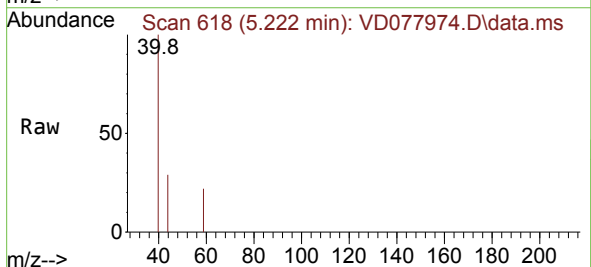
Acq: 19 Dec 2023 15:19

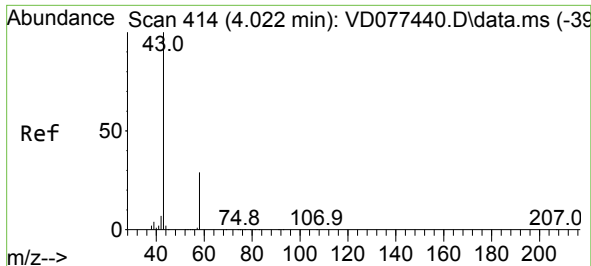
Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

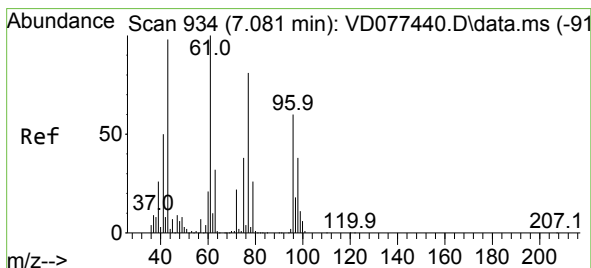
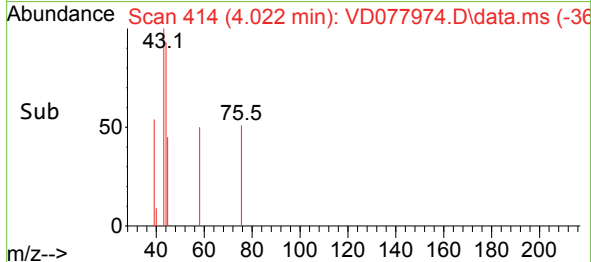
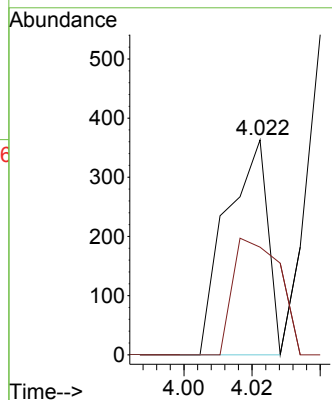
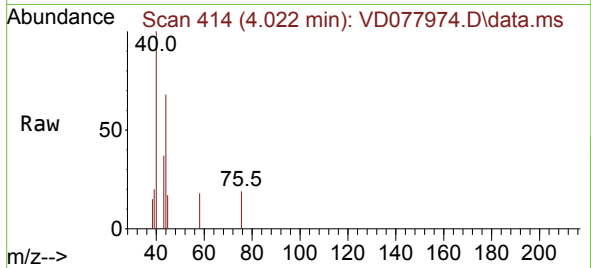




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

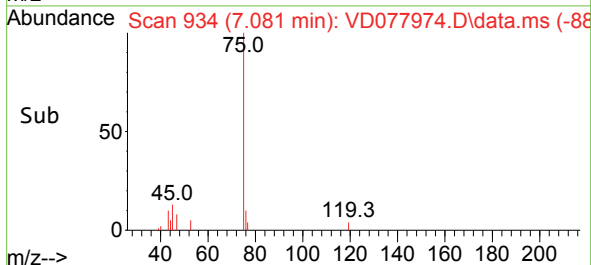
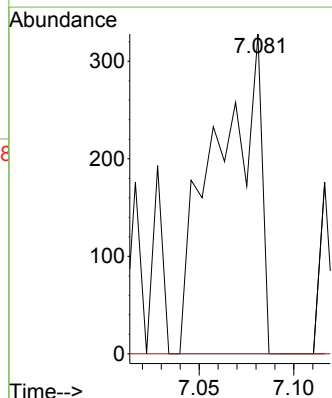
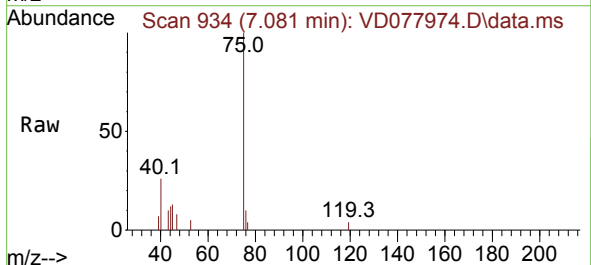
Instrument :
MSVOA_D
ClientSampleId :

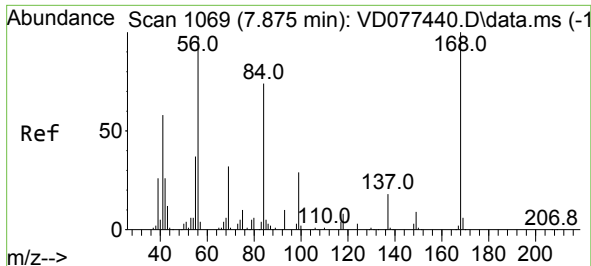
Tgt Ion: 43 Resp: 305
Ion Ratio Lower Upper
43 100
58 50.1 34.7 52.1



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

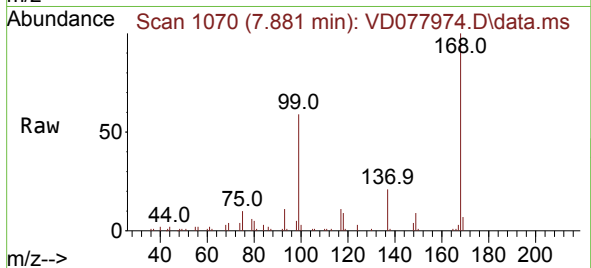
Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



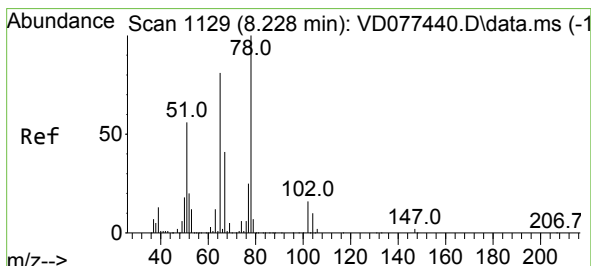
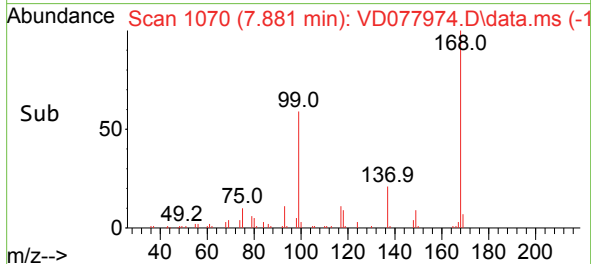
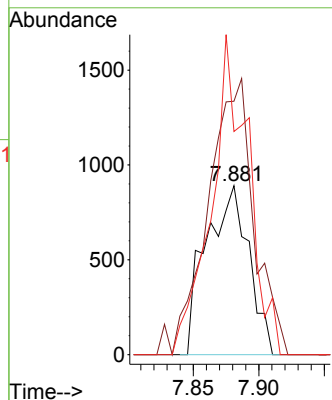


#31
Cyclohexane
Concen: 1.047 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

Instrument :
MSVOA_D
ClientSampleId :

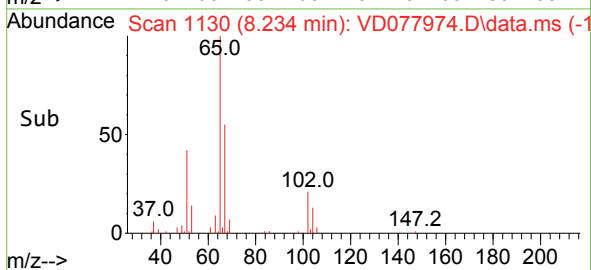
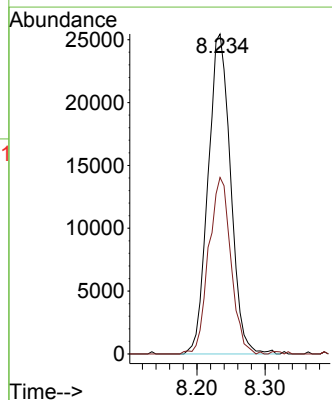
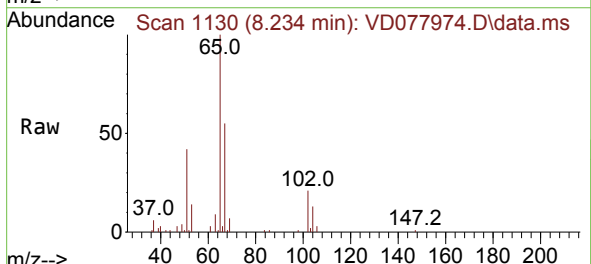


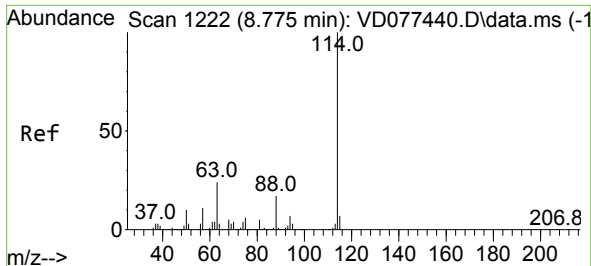
Tgt Ion: 56 Resp: 2015
Ion Ratio Lower Upper
56 100
69 132.7 28.6 43.0#
84 132.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 54.052 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

Tgt Ion: 65 Resp: 58489
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077974.D

Acq: 19 Dec 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

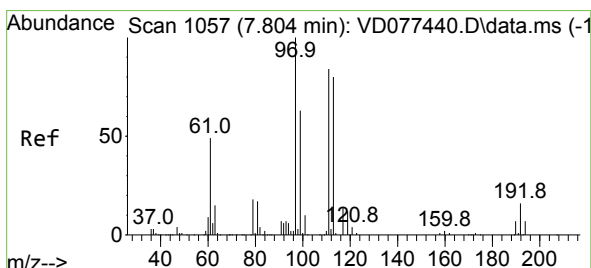
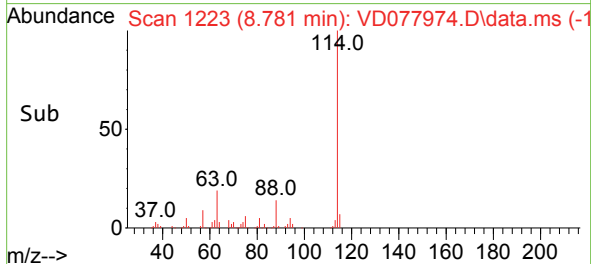
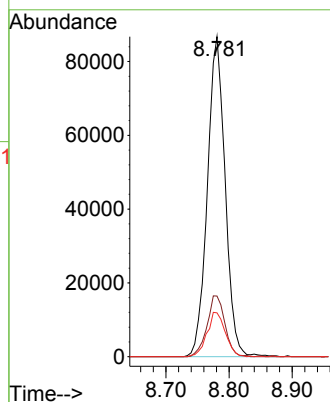
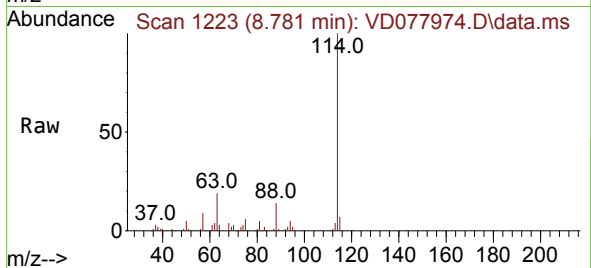
Tgt Ion:114 Resp: 169637

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.040 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077974.D

Acq: 19 Dec 2023 15:19

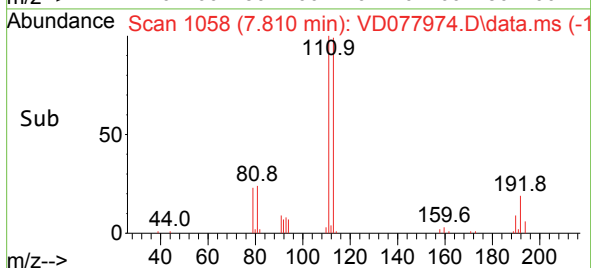
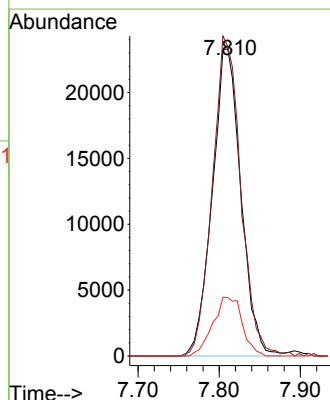
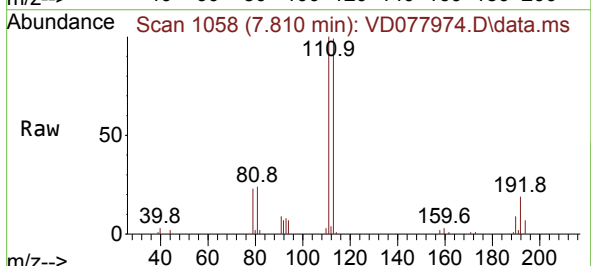
Tgt Ion:113 Resp: 57084

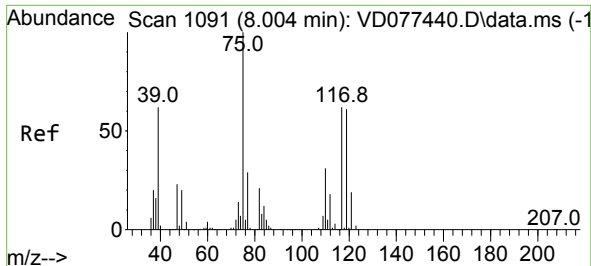
Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 19.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.360 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

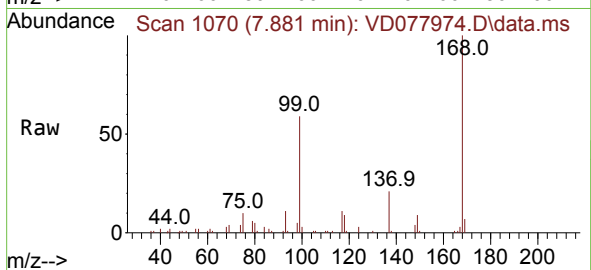
Lab File: VD077974.D

Acq: 19 Dec 2023 15:19

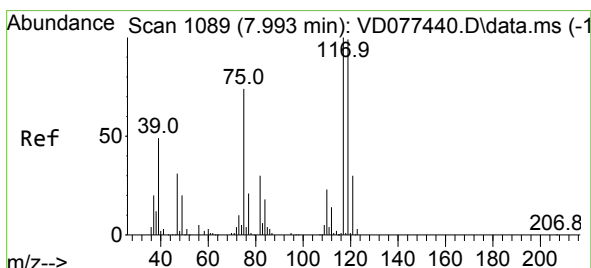
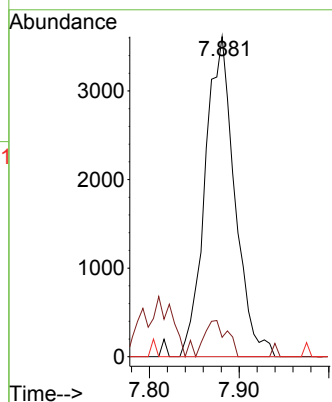
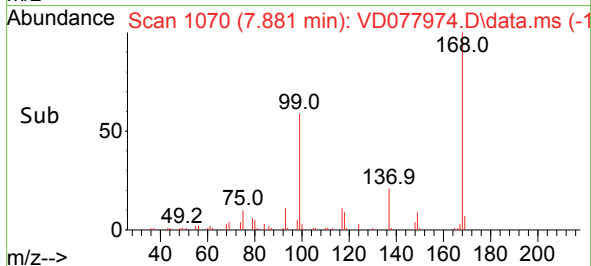
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 8287
Ion Ratio	Lower Upper
75	100
110	8.5 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.020 ug/l

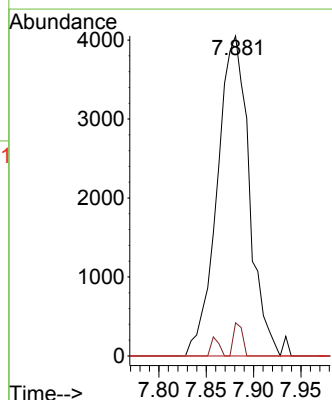
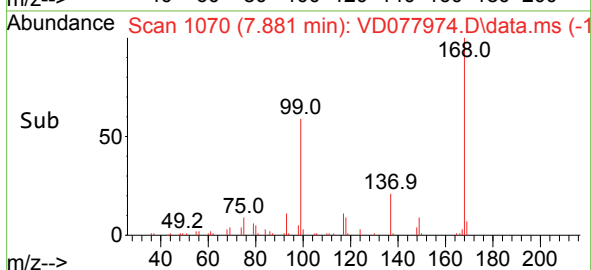
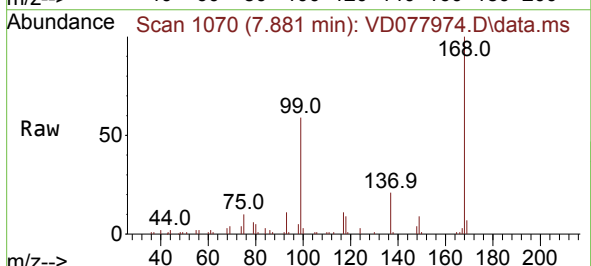
RT: 7.881 min Scan# 1070

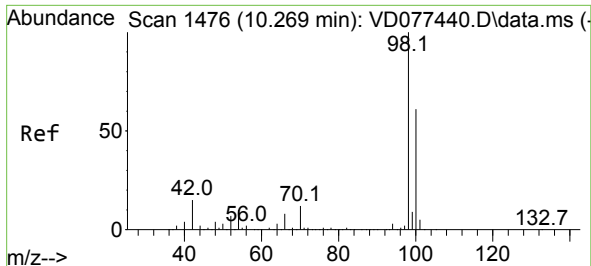
Delta R.T. -0.112 min

Lab File: VD077974.D

Acq: 19 Dec 2023 15:19

Tgt Ion: 117	Resp: 9513
Ion Ratio	Lower Upper
117	100
119	10.3 78.0 117.0#
121	0.0 24.2 36.2#

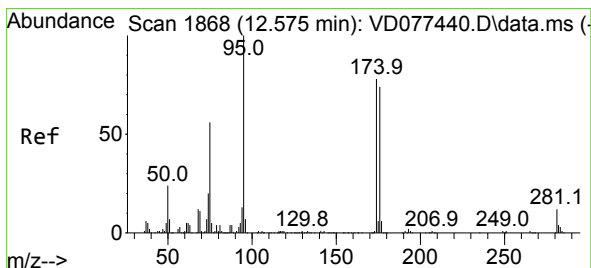
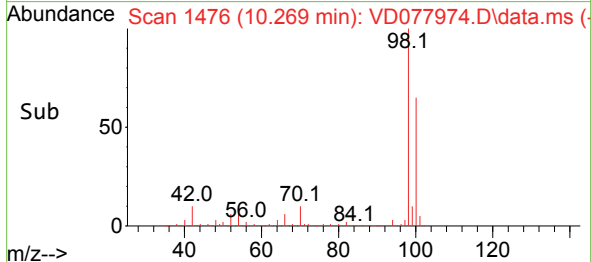
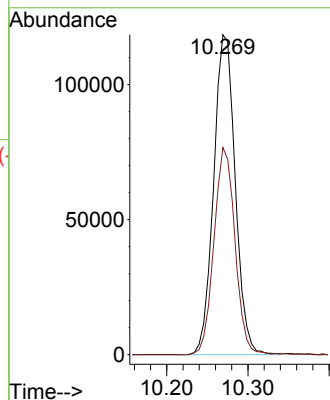
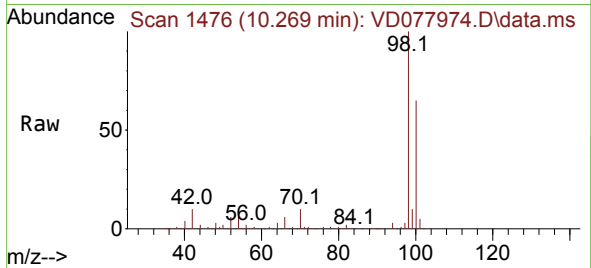




#50
Toluene-d8
Concen: 46.081 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

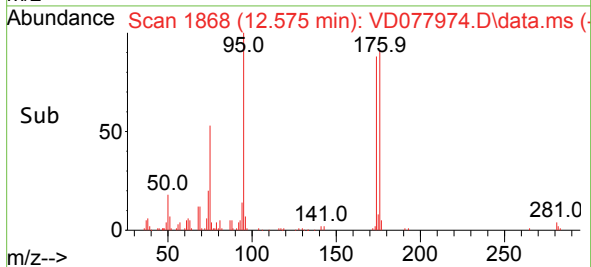
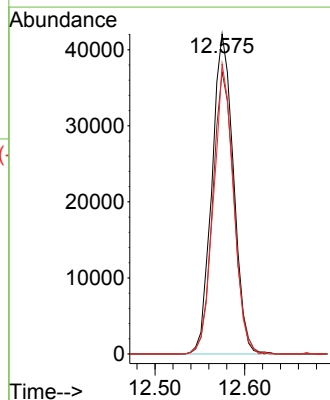
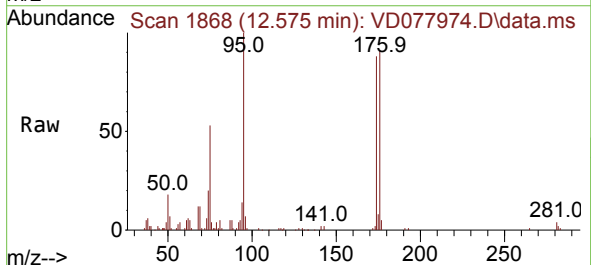
Instrument :
MSVOA_D
ClientSampleId :

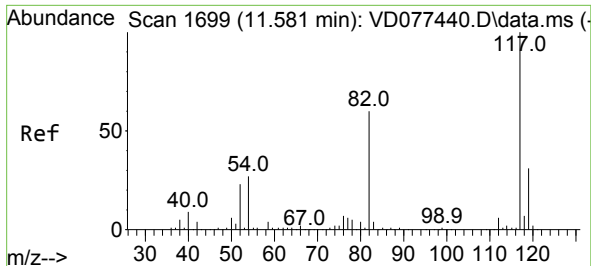
Tgt Ion: 98 Resp: 219304
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.286 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

Tgt Ion: 95 Resp: 70126
Ion Ratio Lower Upper
95 100
174 86.7 0.0 201.8
176 84.0 0.0 191.8

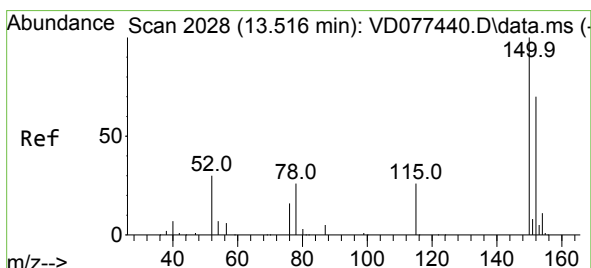
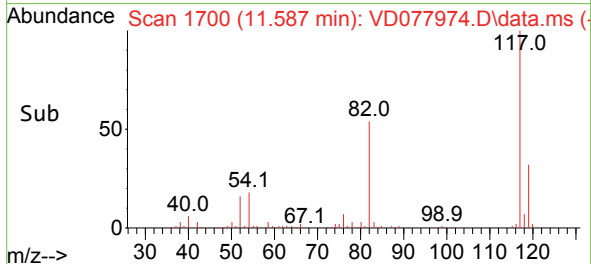
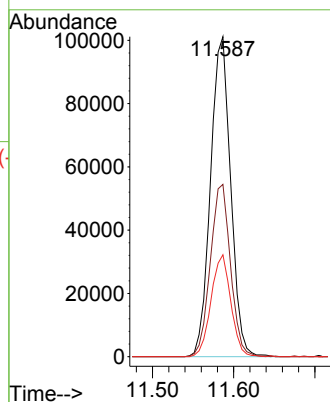
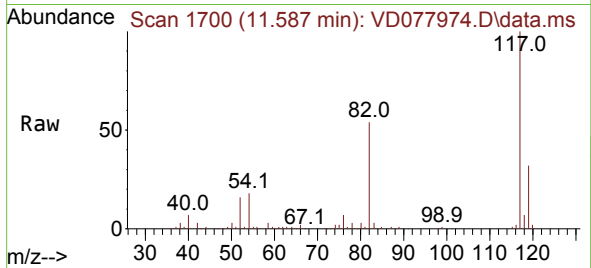




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

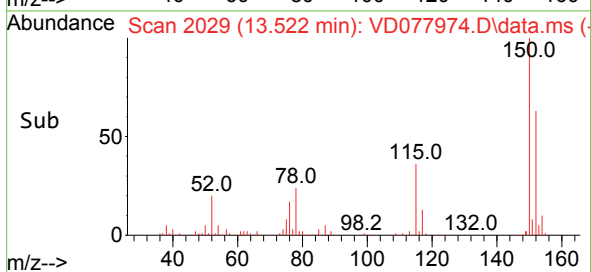
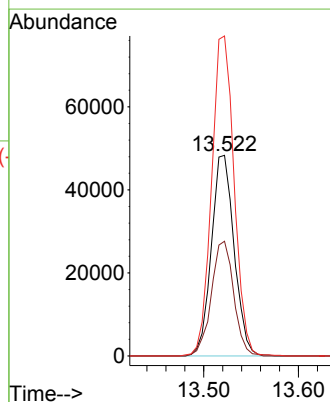
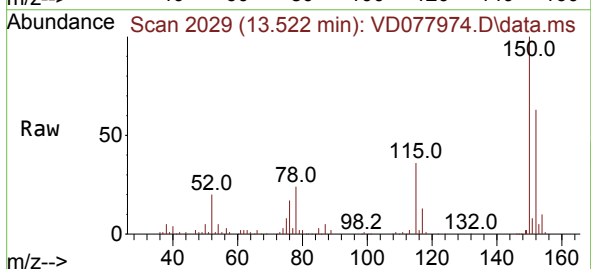
Instrument :
MSVOA_D
ClientSampleId :

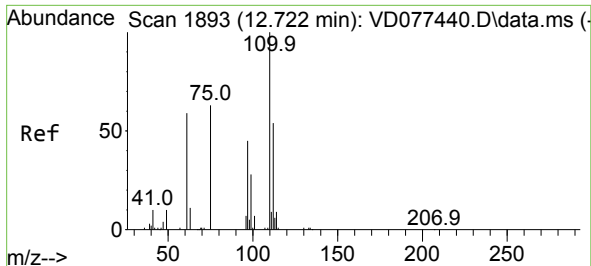
Tgt Ion:117 Resp: 174119
Ion Ratio Lower Upper
117 100
82 53.9 38.3 57.5
119 31.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

Tgt Ion:152 Resp: 80608
Ion Ratio Lower Upper
152 100
115 56.2 27.1 81.3
150 157.7 0.0 353.6

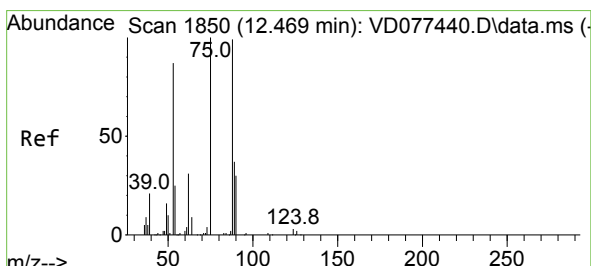
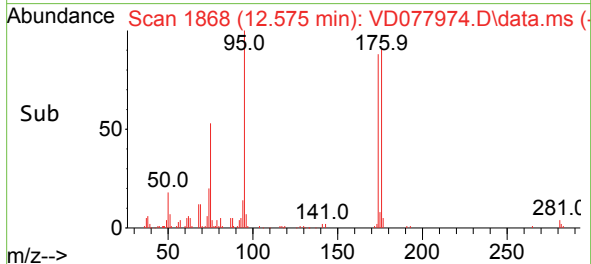
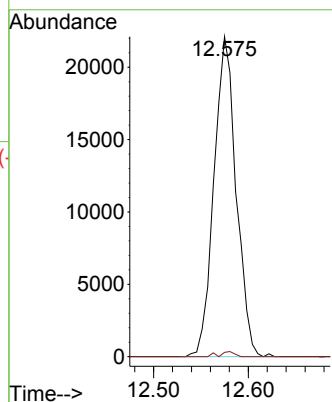
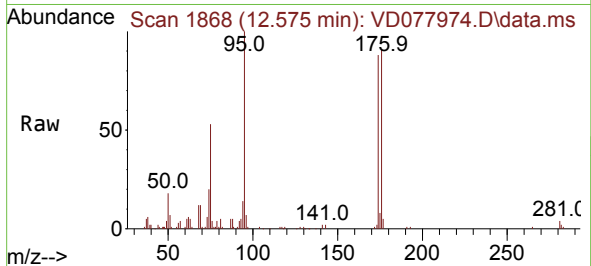




#76
1,2,3-Trichloropropane
Concen: 51.522 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

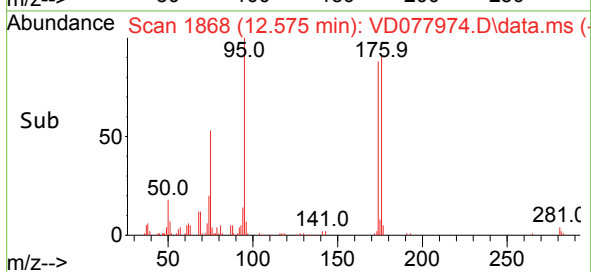
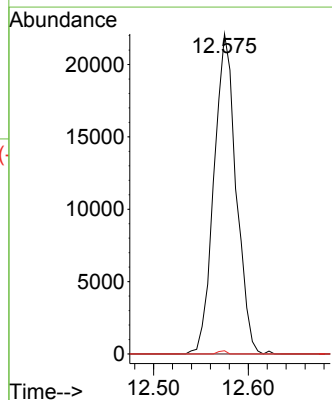
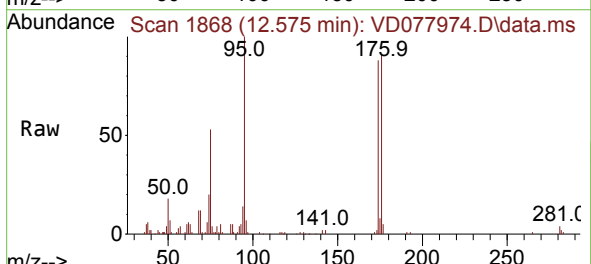
Instrument :
MSVOA_D
ClientSampleId :

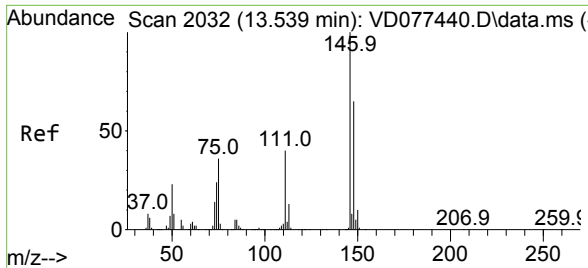
Tgt Ion: 75 Resp: 36070
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.388 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077974.D
Acq: 19 Dec 2023 15:19

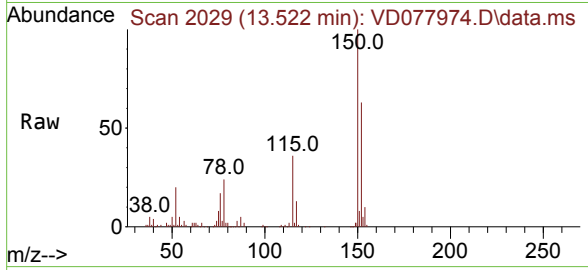
Tgt Ion: 75 Resp: 36070
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.4 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.522 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: VD077974.D
 Acq: 19 Dec 2023 15:19

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	185
Ion	Ratio	Lower	Upper
146	100		
111	654.6	17.4	52.3#
148	159.5	31.7	95.1#

