

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077919.D
 Acq On : 16 Dec 2023 00:29
 Operator : RP/MD
 Sample : 05758-19
 Misc : 4.75G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 05:11:34 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)

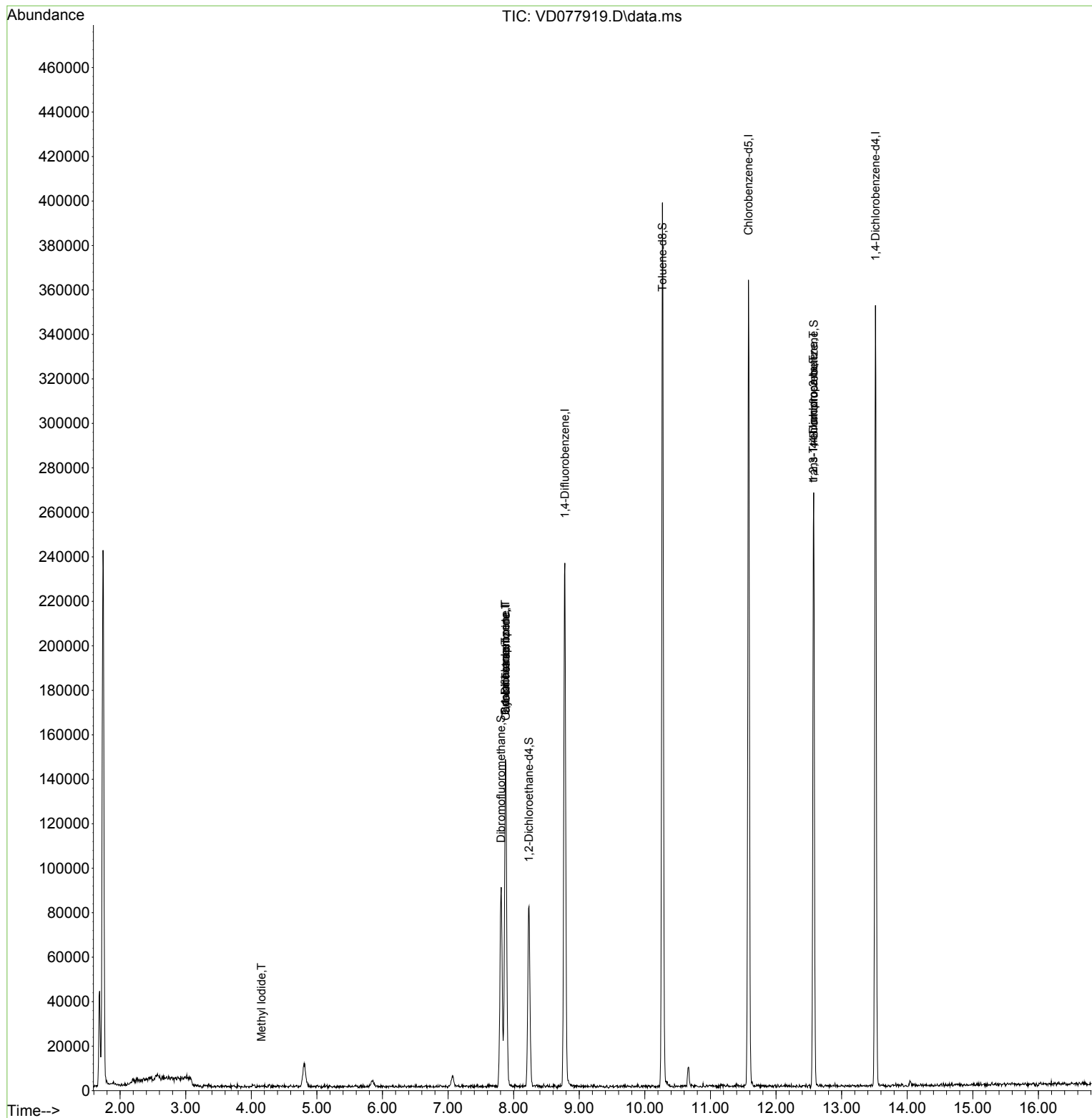
Internal Standards						
1) Pentafluorobenzene	7.875	168	114385	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	212286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	202833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	93462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	62485	46.359	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.720%
35) Dibromofluoromethane	7.810	113	63965	43.016	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.040%
50) Toluene-d8	10.269	98	269691	45.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.560%
62) 4-Bromofluorobenzene	12.575	95	79338	44.558	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.120%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.158	142	56	6.781	ug/l	# 1
11) Tert butyl alcohol	5.099	59	61	Below Cal	#	73
16) Acetone	4.016	43	434	Below Cal	#	32
25) 2-Butanone	7.075	43	310	Below Cal	#	37
31) Cyclohexane	7.875	56	3195	1.333	ug/l	# 72
36) 1,1-Dichloropropene	7.875	75	9792	4.117	ug/l	# 46
38) Carbon Tetrachloride	7.881	117	11505	4.852	ug/l	# 18
65) Chlorobenzene	11.604	112	54	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.569	75	43233	53.261	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	43233	107.910	ug/l	# 17
88) 1,4-Dichlorobenzene	13.528	146	64	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.381	75	57	Below Cal	#	1

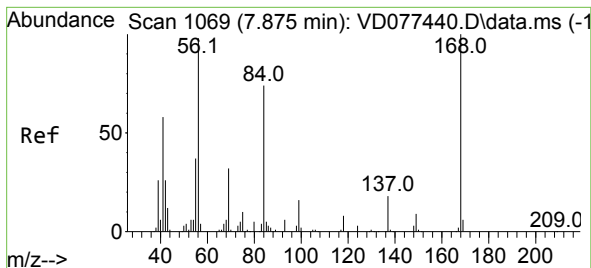
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD077919.D

Acq: 16 Dec 2023 00:29

Instrument :

MSVOA_D

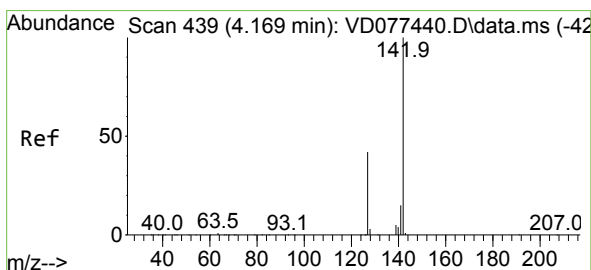
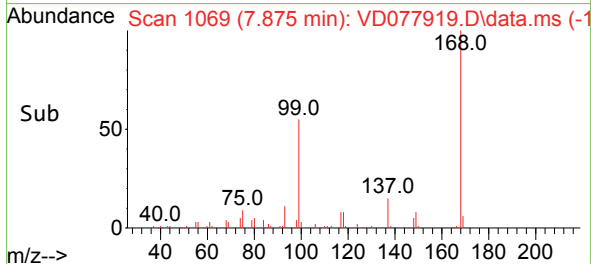
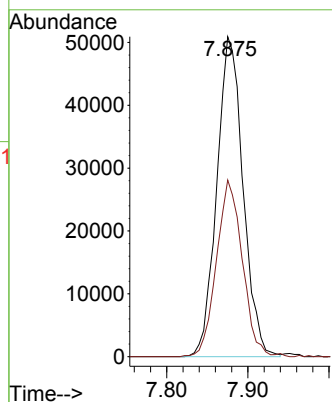
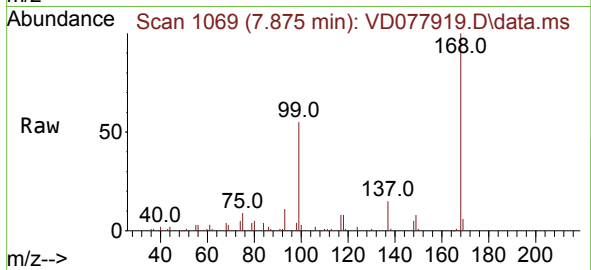
ClientSampleId :

Tgt Ion:168 Resp: 114385

Ion Ratio Lower Upper

168 100

99 55.2 36.7 55.1#



#10

Methyl Iodide

Concen: 6.781 ug/l

RT: 4.158 min Scan# 437

Delta R.T. -0.011 min

Lab File: VD077919.D

Acq: 16 Dec 2023 00:29

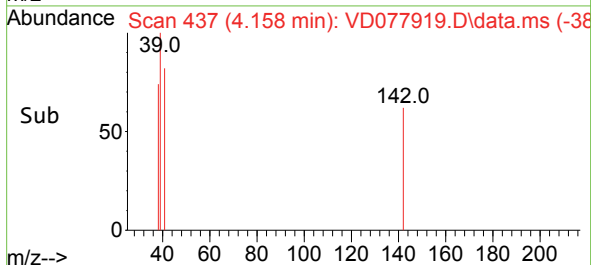
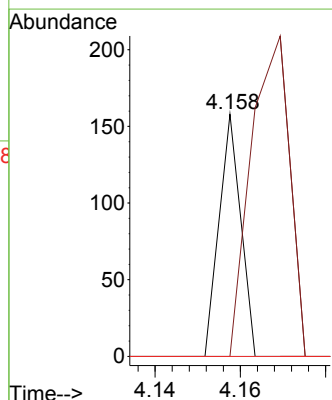
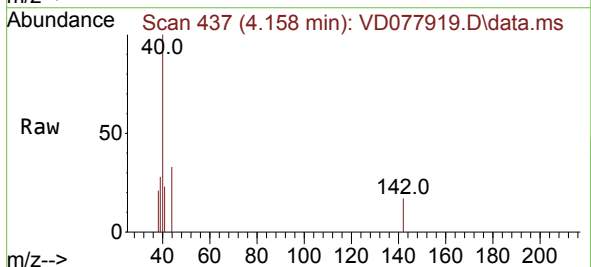
Tgt Ion:142 Resp: 56

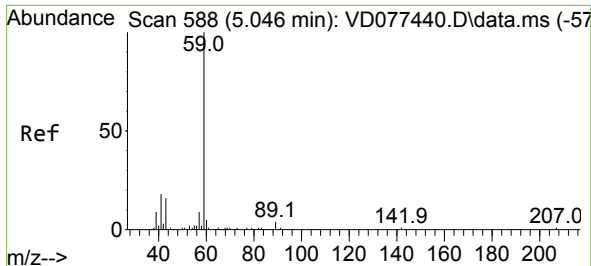
Ion Ratio Lower Upper

142 100

127 233.9 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.099 min Scan# 51

Delta R.T. 0.053 min

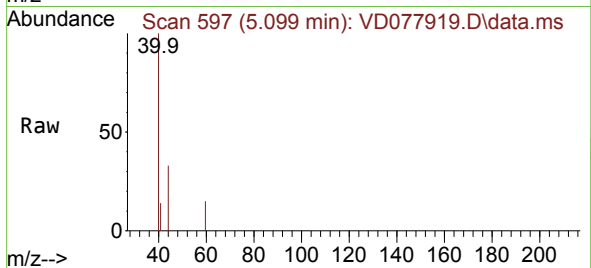
Lab File: VD077919.D

Acq: 16 Dec 2023 00:29

Instrument :

MSVOA_D

ClientSampleId :

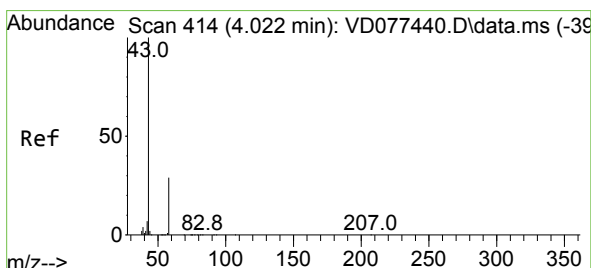
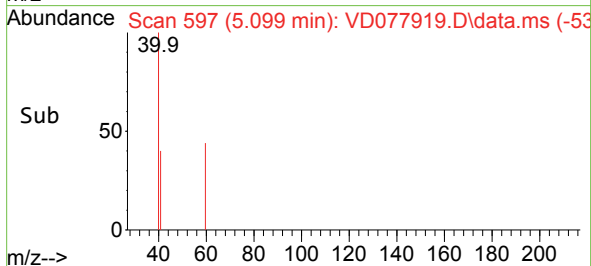
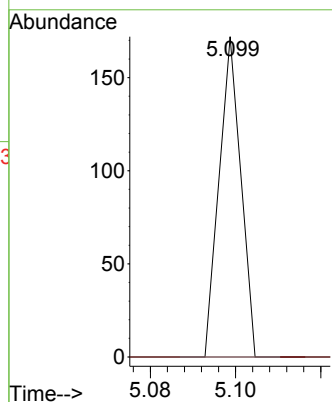


Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.016 min Scan# 413

Delta R.T. -0.006 min

Lab File: VD077919.D

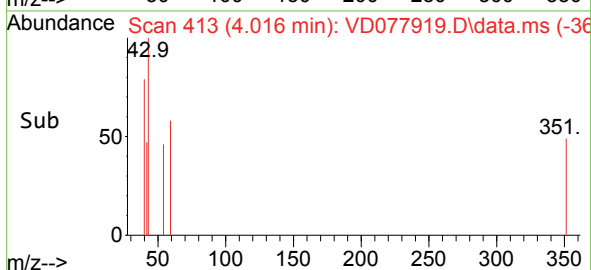
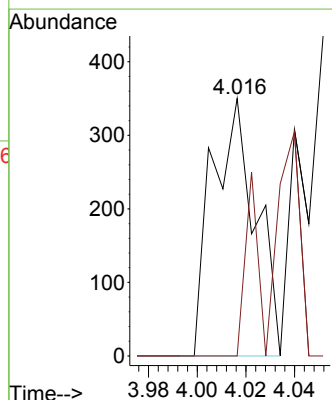
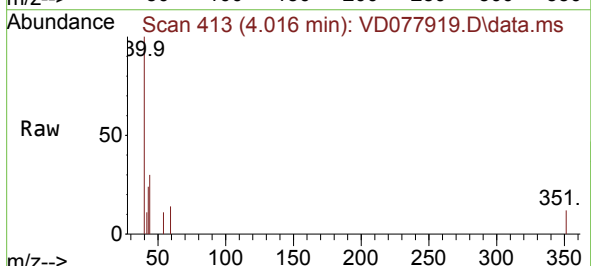
Acq: 16 Dec 2023 00:29

Tgt Ion: 43 Resp: 434

Ion Ratio Lower Upper

43 100

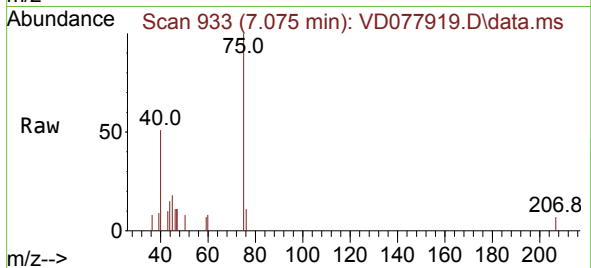
58 0.0 34.7 52.1#



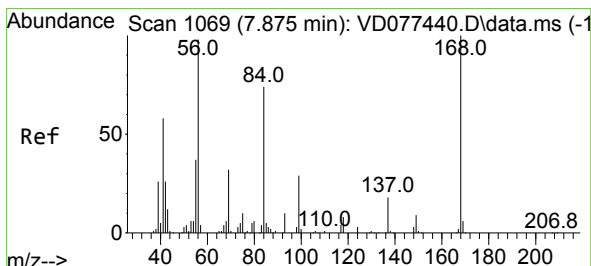
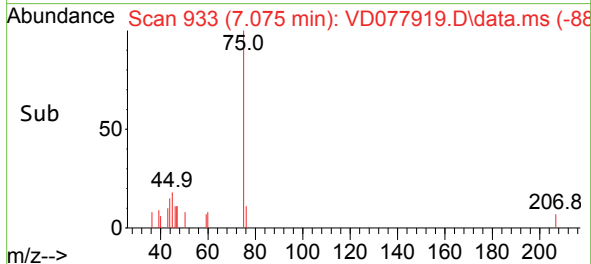
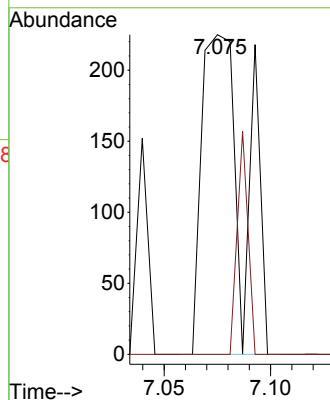


#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077919.D
Acq: 16 Dec 2023 00:29

Instrument :
MSVOA_D
ClientSampleId :

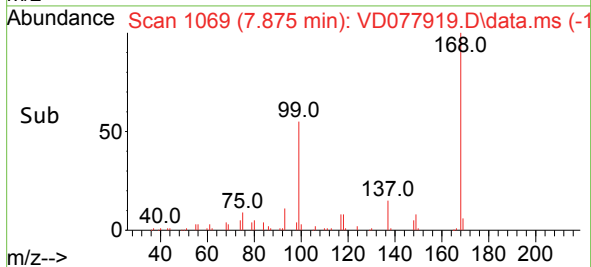
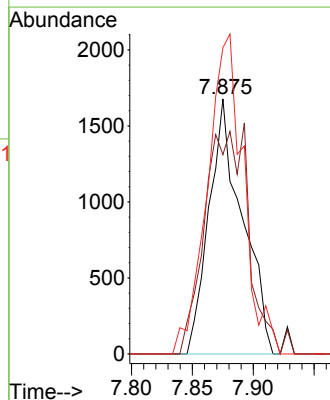
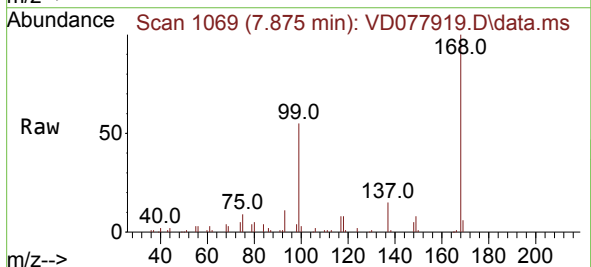


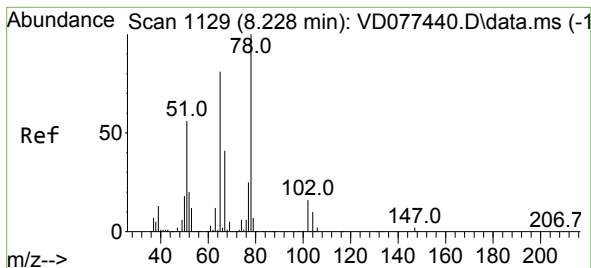
Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077919.D
Acq: 16 Dec 2023 00:29

Tgt Ion: 56 Resp: 3195
Ion Ratio Lower Upper
56 100
69 78.2 28.6 43.0#
84 120.0 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 46.359 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077919.D

Acq: 16 Dec 2023 00:29

Instrument :

MSVOA_D

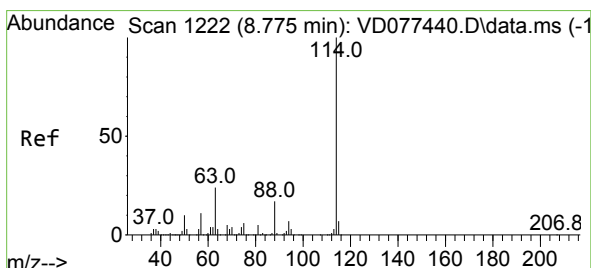
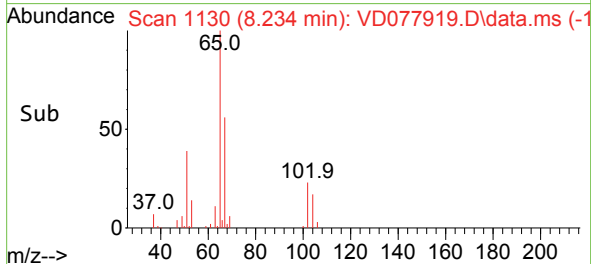
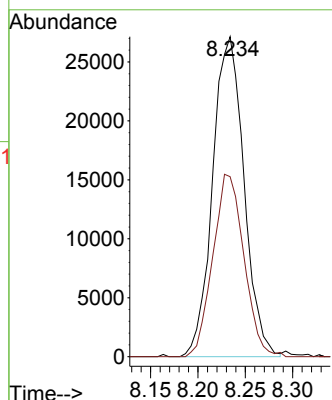
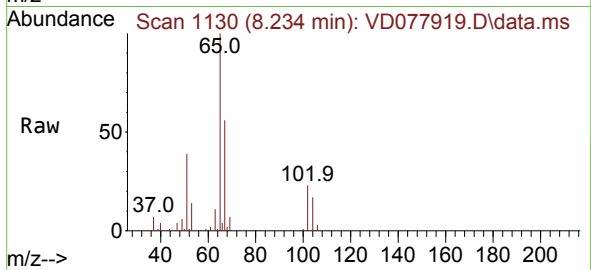
ClientSampleId :

Tgt Ion: 65 Resp: 62485

Ion Ratio Lower Upper

65 100

67 56.5 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: VD077919.D

Acq: 16 Dec 2023 00:29

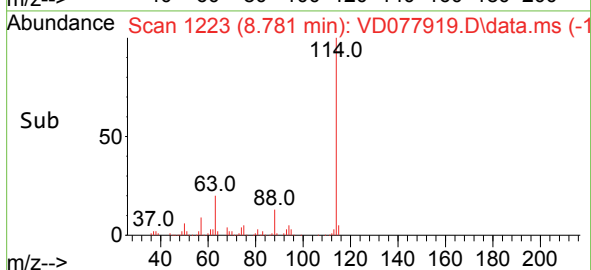
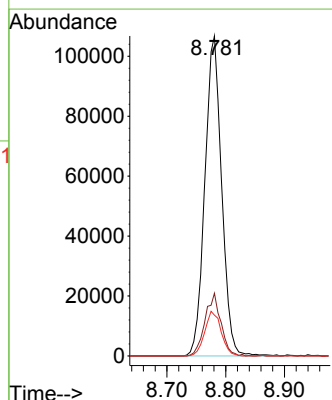
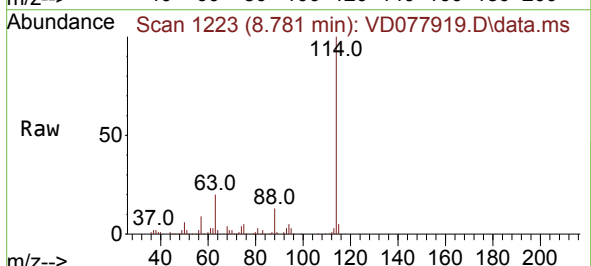
Tgt Ion: 114 Resp: 212286

Ion Ratio Lower Upper

114 100

63 19.6 0.0 33.4

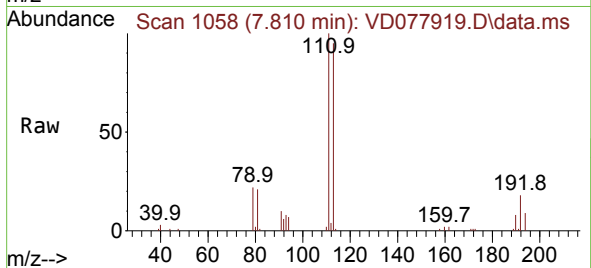
88 12.7 0.0 26.2



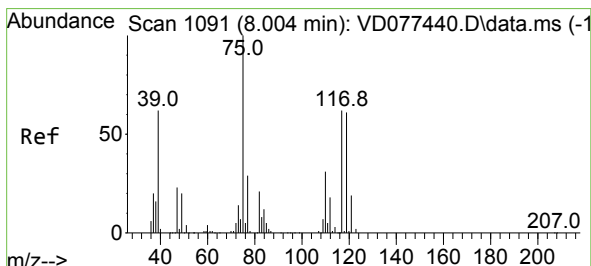
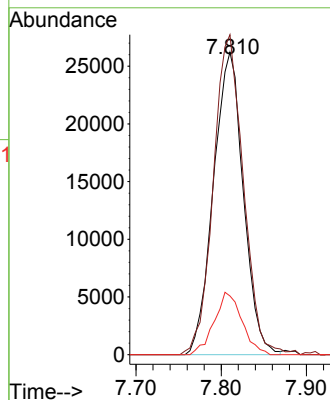
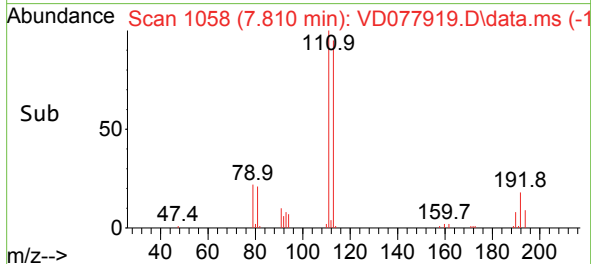


#35
 Dibromofluoromethane
 Concen: 43.016 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD077919.D
 Acq: 16 Dec 2023 00:29

Instrument :
 MSVOA_D
 ClientSampleId :

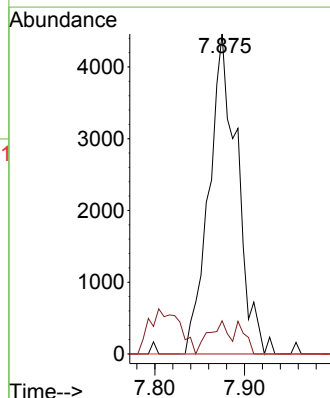
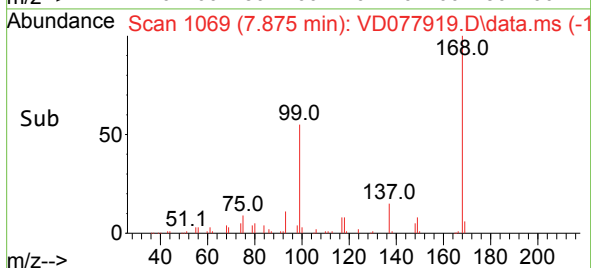
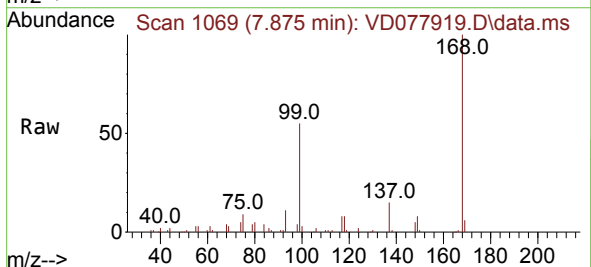


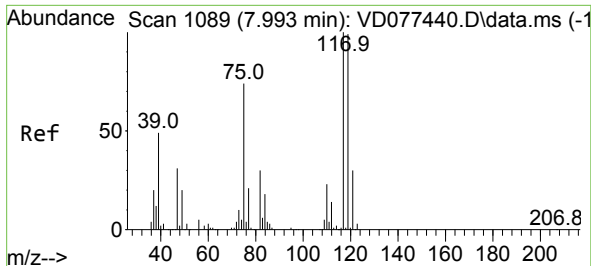
Tgt Ion:113 Resp: 63965
 Ion Ratio Lower Upper
 113 100
 111 106.2 84.7 127.1
 192 19.2 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.117 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.129 min
 Lab File: VD077919.D
 Acq: 16 Dec 2023 00:29

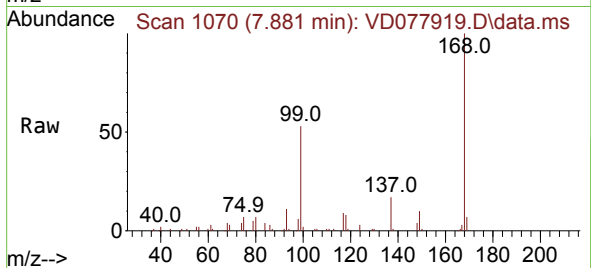
Tgt Ion: 75 Resp: 9792
 Ion Ratio Lower Upper
 75 100
 110 7.2 19.9 59.6#
 77 0.0 24.7 37.1#



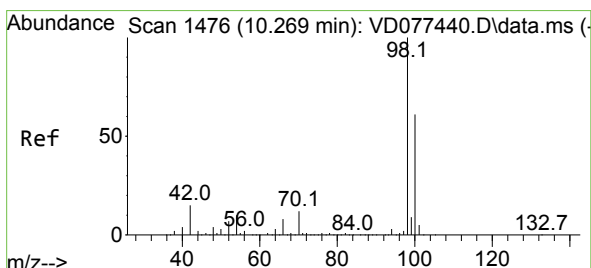
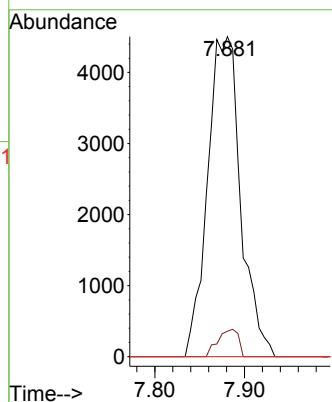
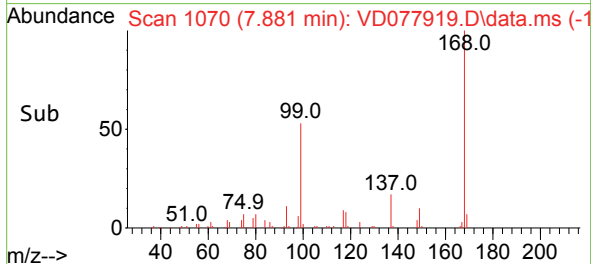


#38
Carbon Tetrachloride
Concen: 4.852 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077919.D
Acq: 16 Dec 2023 00:29

Instrument :
MSVOA_D
ClientSampleId :

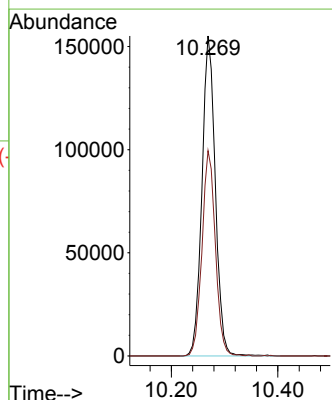
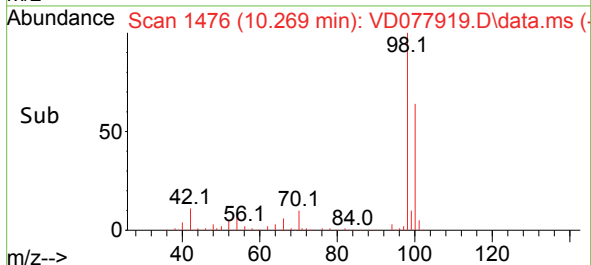
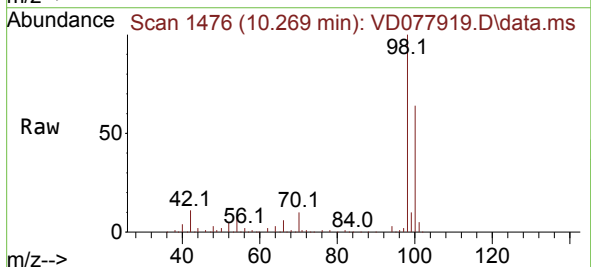


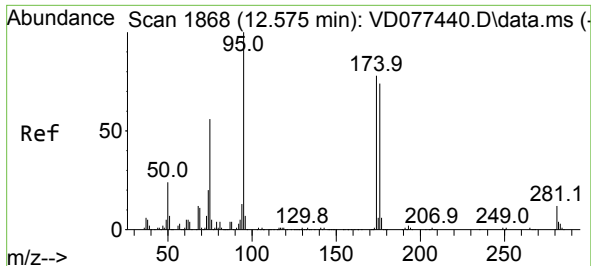
Tgt Ion:117 Resp: 11505
Ion Ratio Lower Upper
117 100
119 8.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.284 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077919.D
Acq: 16 Dec 2023 00:29

Tgt Ion: 98 Resp: 269691
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5

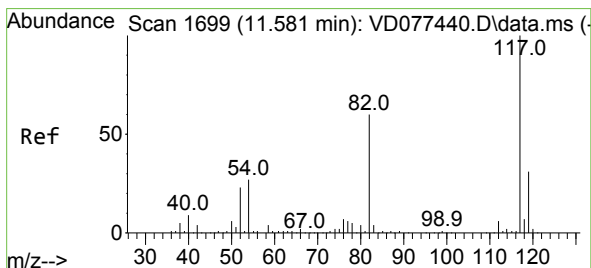
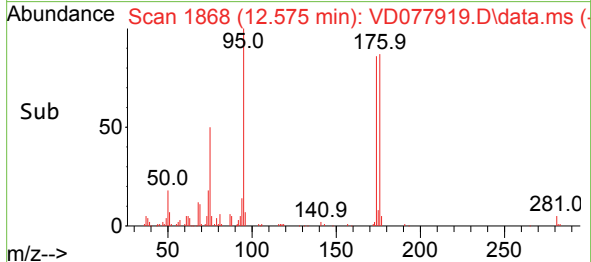
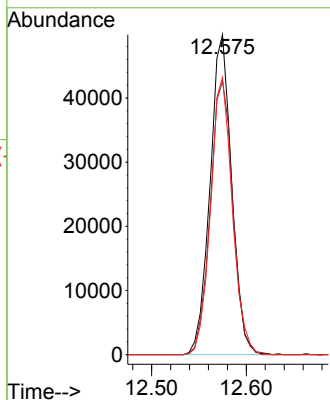
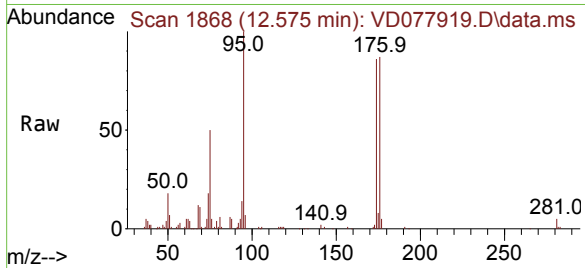




#62
4-Bromofluorobenzene
Concen: 44.558 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077919.D
Acq: 16 Dec 2023 00:29

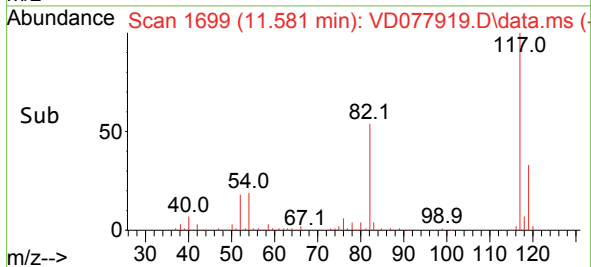
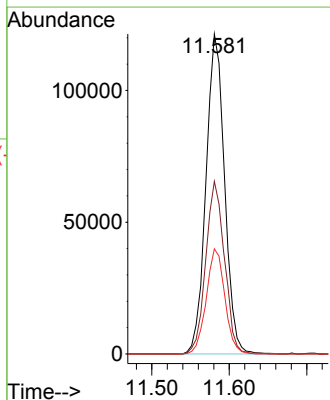
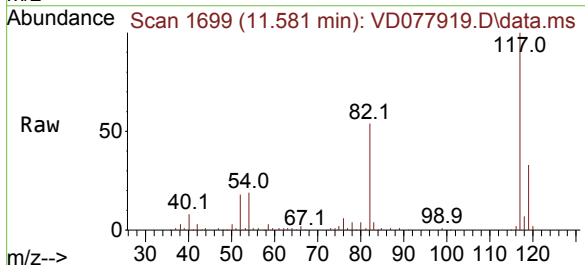
Instrument :
MSVOA_D
ClientSampleId :

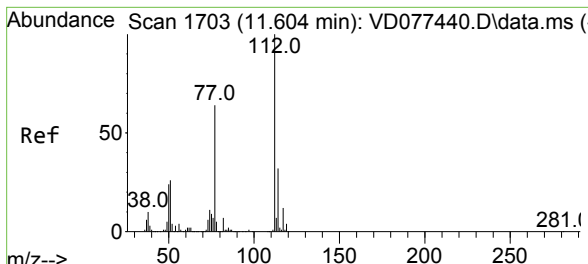
Tgt Ion:	95	Resp:	79338
Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	201.8
176	86.3	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077919.D
Acq: 16 Dec 2023 00:29

Tgt Ion:	117	Resp:	202833
Ion	Ratio	Lower	Upper
117	100		
82	54.0	38.3	57.5
119	32.9	25.0	37.4

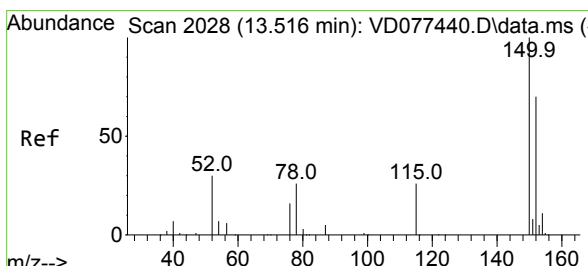
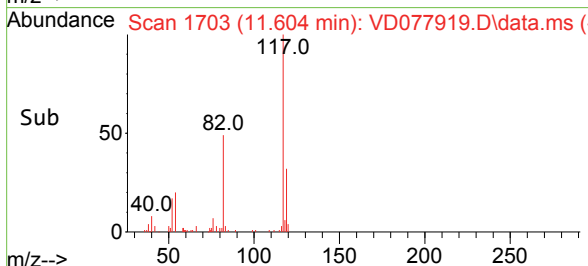
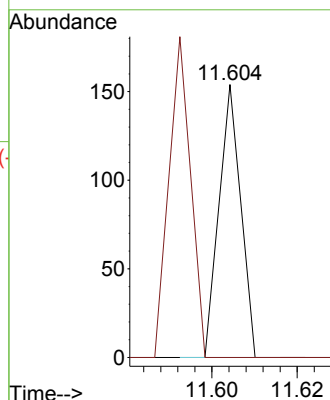
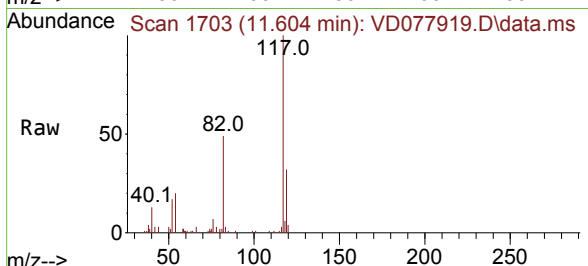




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077919.D
Acq: 16 Dec 2023 00:29

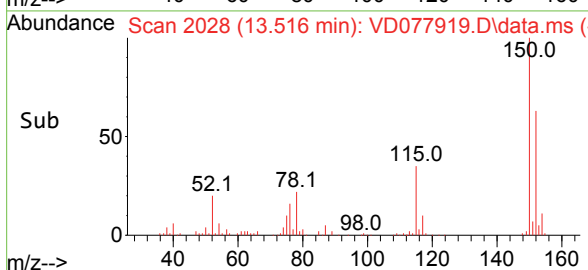
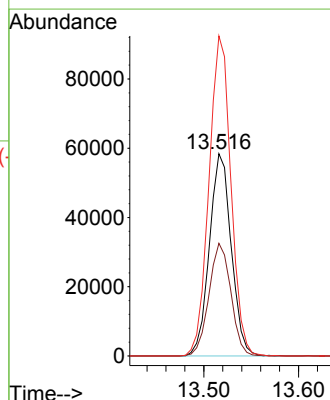
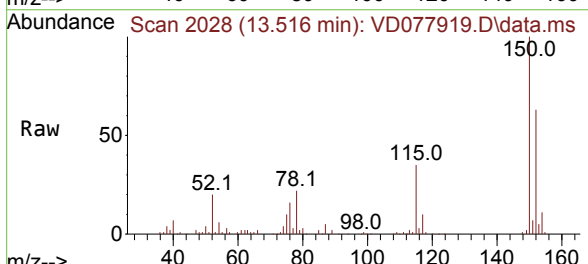
Instrument :
MSVOA_D
ClientSampleId :

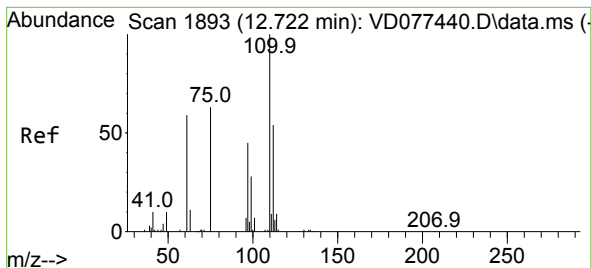
Tgt Ion:112 Resp: 54
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077919.D
Acq: 16 Dec 2023 00:29

Tgt Ion:152 Resp: 93462
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 158.7 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 53.261 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD077919.D

Acq: 16 Dec 2023 00:29

Instrument :

MSVOA_D

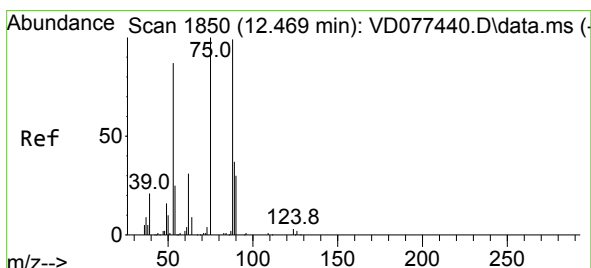
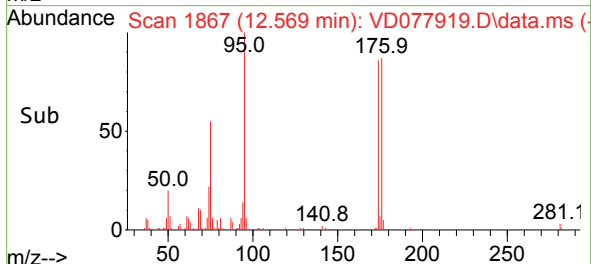
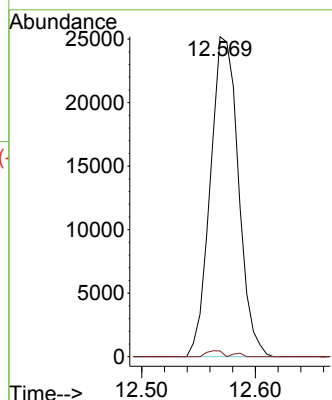
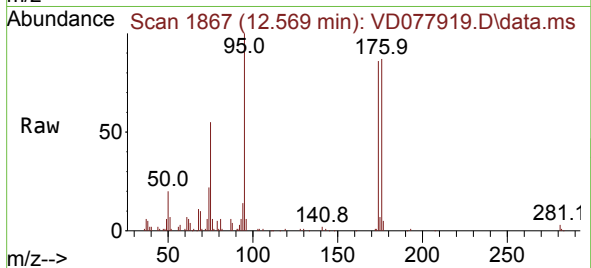
ClientSampleId :

Tgt Ion: 75 Resp: 43233

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.910 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.100 min

Lab File: VD077919.D

Acq: 16 Dec 2023 00:29

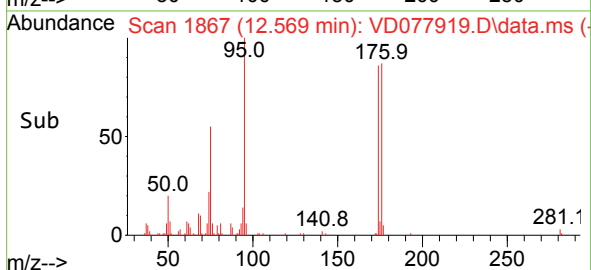
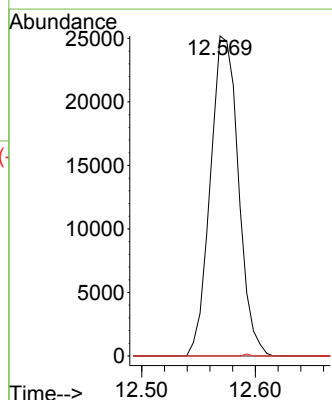
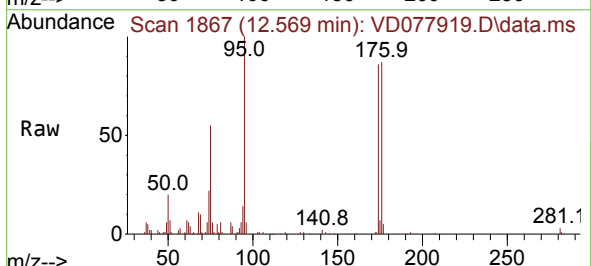
Tgt Ion: 75 Resp: 43233

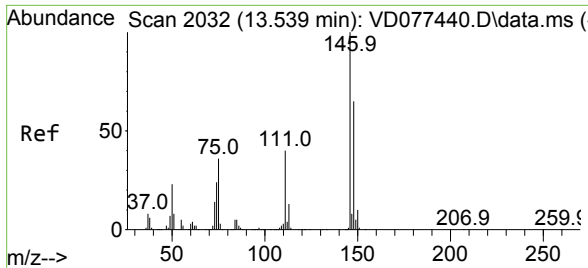
Ion Ratio Lower Upper

75 100

53 0.0 63.0 94.4#

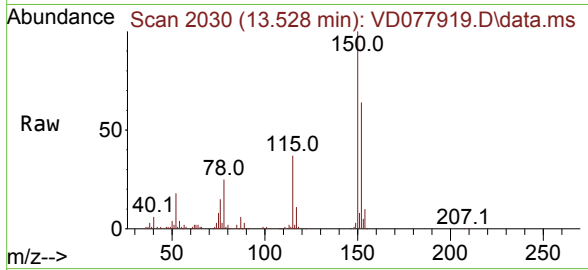
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.528 min Scan# 20
 Delta R.T. -0.011 min
 Lab File: VD077919.D
 Acq: 16 Dec 2023 00:29

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	64
Ion	Ratio	Lower	Upper
146	100		
111	2368.8	17.4	52.3#
148	1781.3	31.7	95.1#

