

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070224\
 Data File : VD079321.D
 Acq On : 02 Jul 2024 16:14
 Operator : RP/MD
 Sample : P3141-01
 Misc : 7.63G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 03 01:23:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 06:28:31 2024
 Response via : Initial Calibration

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

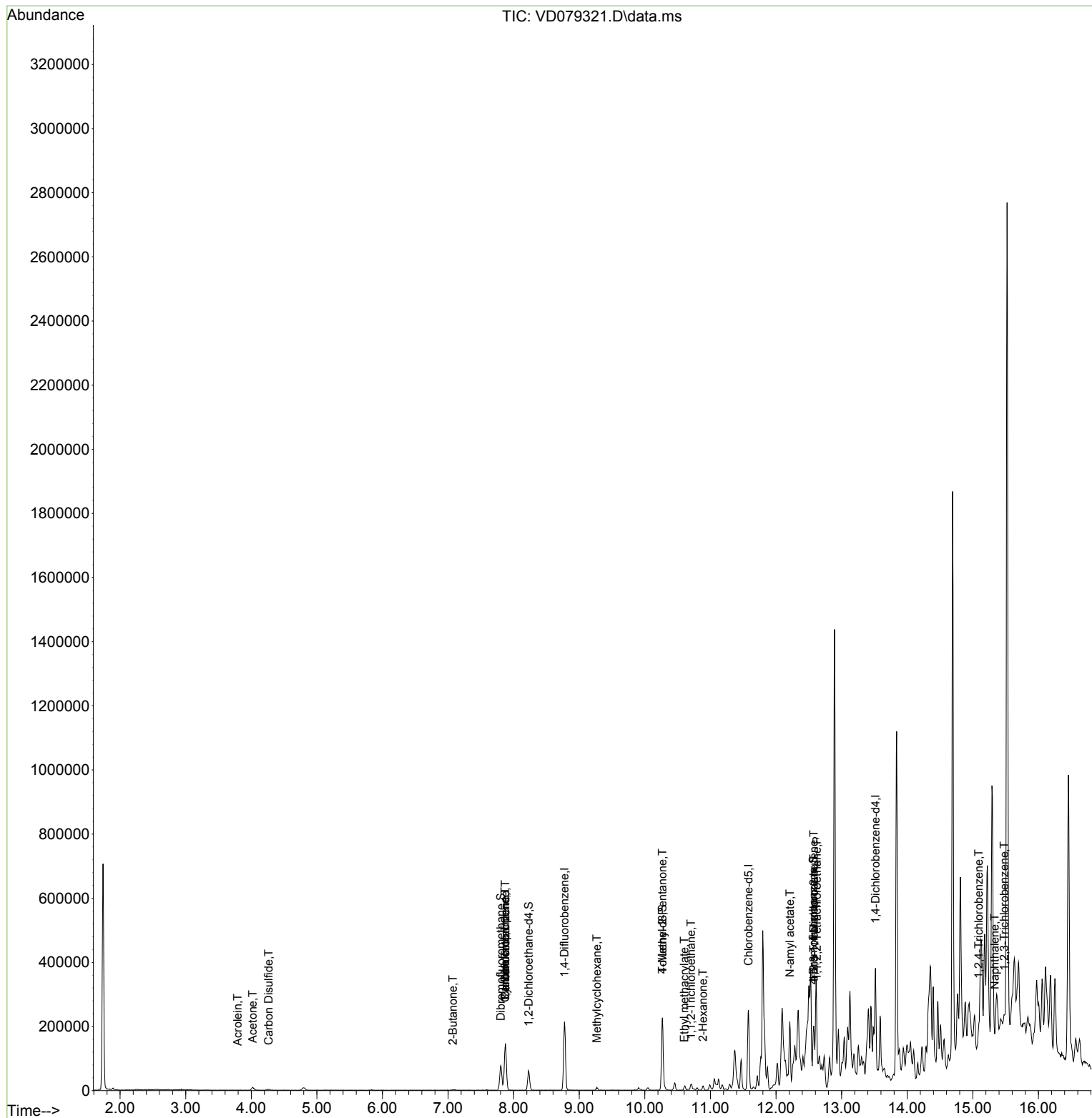
Internal Standards						
1) Pentafluorobenzene	7.875	168	100600	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	185975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	145641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	36632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45793	46.239	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.480%
35) Dibromofluoromethane	7.804	113	56242	46.072	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.140%
50) Toluene-d8	10.269	98	146520	33.364	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	66.720%
62) 4-Bromofluorobenzene	12.569	95	38536	27.365	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.720%
Target Compounds						
						Qvalue
5) Bromomethane	2.763	94	58	Below Cal		95
13) Acrolein	3.793	56	263	1.976	ug/l #	15
16) Acetone	4.022	43	14715	61.630	ug/l	91
17) Carbon Disulfide	4.263	76	6277	1.351	ug/l #	95
20) Methylene Chloride	4.793	84	6591	Below Cal	#	85
25) 2-Butanone	7.075	43	1321	3.971	ug/l	94
31) Cyclohexane	7.869	56	3047	1.425	ug/l #	10
36) 1,1-Dichloropropene	7.869	75	9547	5.034	ug/l #	39
38) Carbon Tetrachloride	7.875	117	11906	6.182	ug/l #	15
39) Methylcyclohexane	9.269	83	2955	1.324	ug/l #	88
51) 4-Methyl-2-Pentanone	10.269	43	1342	1.851	ug/l #	19
55) 1,1,2-Trichloroethane	10.704	97	7545	7.159	ug/l #	18
56) Ethyl methacrylate	10.604	69	1385	4.626	ug/l #	1
59) 2-Hexanone	10.886	43	4759	9.243	ug/l #	22
74) N-amyl acetate	12.210	43	34808	58.236	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.622	83	14400	25.367	ug/l #	89
76) 1,2,3-Trichloropropane	12.575	75	19306	52.663	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	19306	97.722	ug/l #	20
93) 1,2,4-Trichlorobenzene	15.092	180	1552	2.597	ug/l #	80
95) Naphthalene	15.333	128	1692	1.450	ug/l #	54
96) 1,2,3-Trichlorobenzene	15.480	180	2475	4.683	ug/l #	27

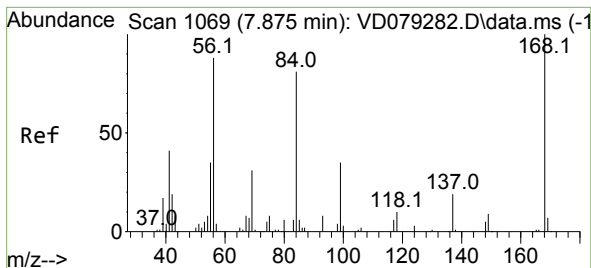
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 29 06:28:31 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.000 min

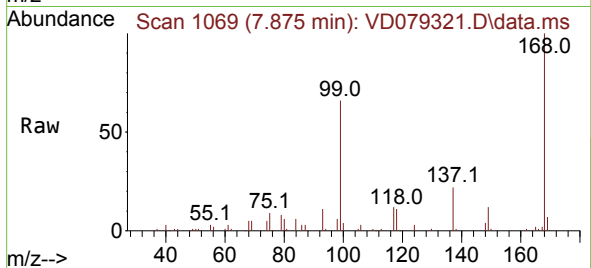
Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

Instrument :

MSVOA_D

ClientSampleId :

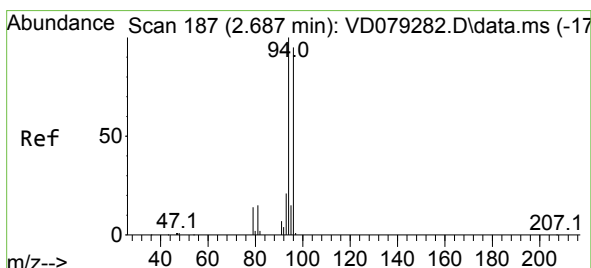
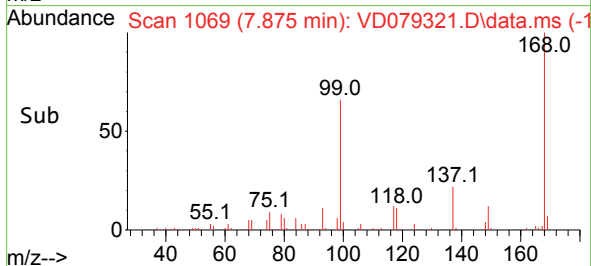
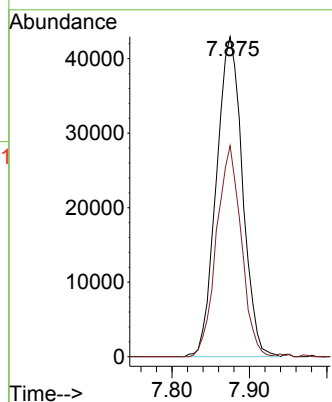


Tgt Ion:168 Resp: 100600

Ion Ratio Lower Upper

168 100

99 65.9 41.1 61.7#



#5

Bromomethane

Concen: Below Cal

RT: 2.763 min Scan# 200

Delta R.T. 0.105 min

Lab File: VD079321.D

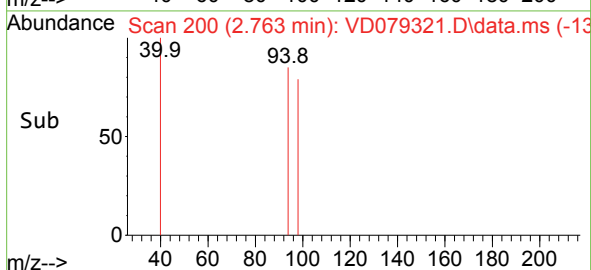
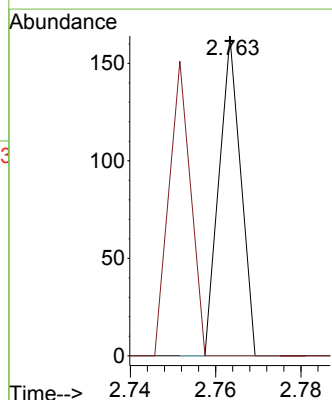
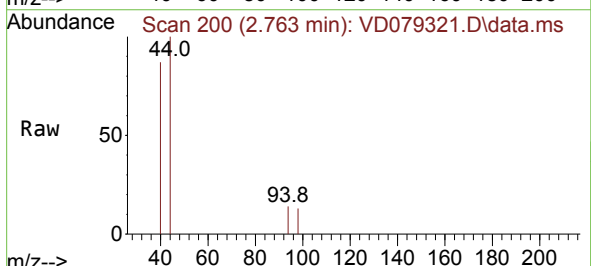
Acq: 02 Jul 2024 16:14

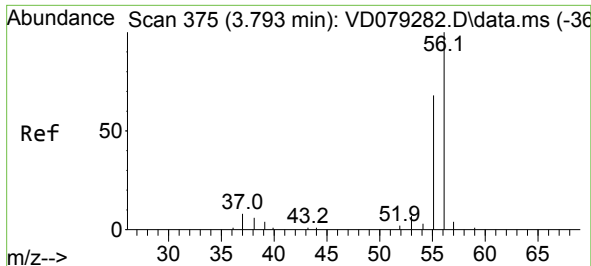
Tgt Ion: 94 Resp: 58

Ion Ratio Lower Upper

94 100

96 91.4 76.9 115.3





#13

Acrolein

Concen: 1.976 ug/l

RT: 3.793 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

Instrument :

MSVOA_D

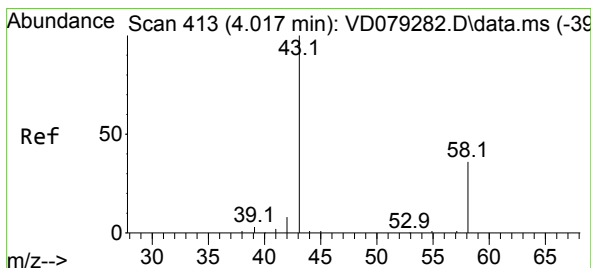
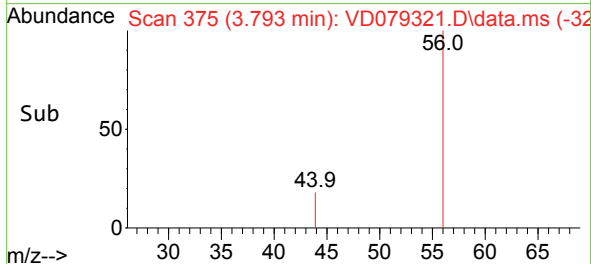
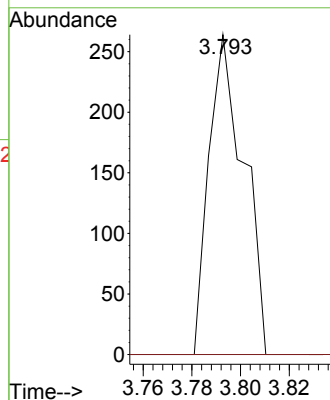
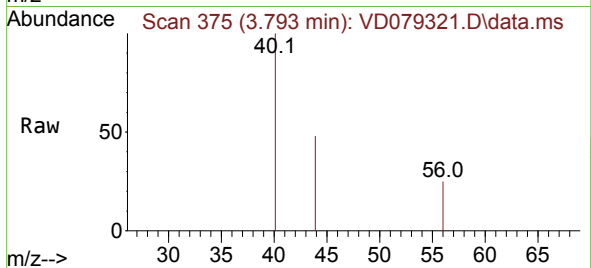
ClientSampleId :

Tgt Ion: 56 Resp: 263

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 61.630 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD079321.D

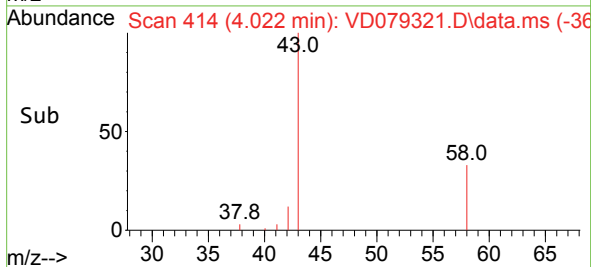
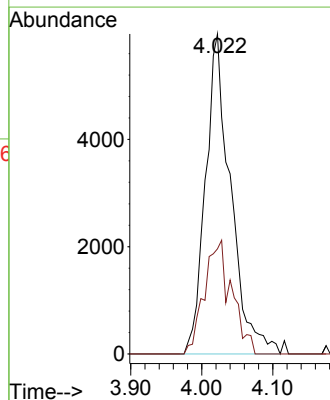
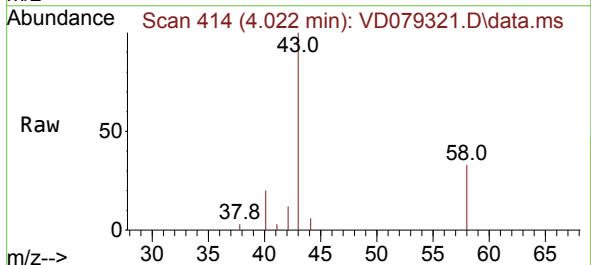
Acq: 02 Jul 2024 16:14

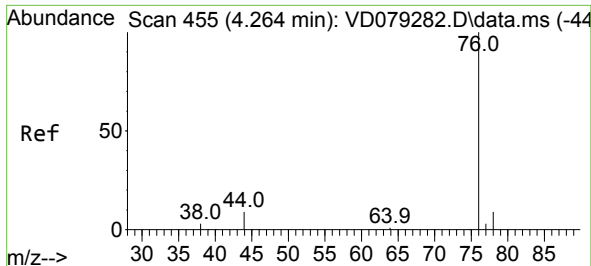
Tgt Ion: 43 Resp: 14715

Ion Ratio Lower Upper

43 100

58 32.8 30.4 45.6





#17

Carbon Disulfide

Concen: 1.351 ug/l

RT: 4.263 min Scan# 4

Delta R.T. -0.000 min

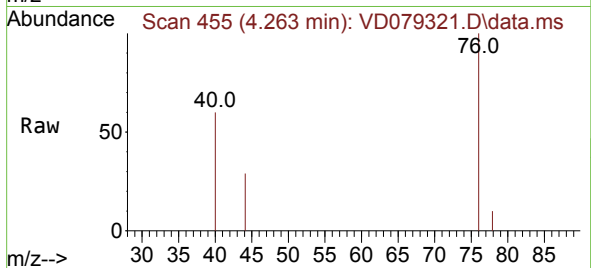
Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

Instrument :

MSVOA_D

ClientSampleId :

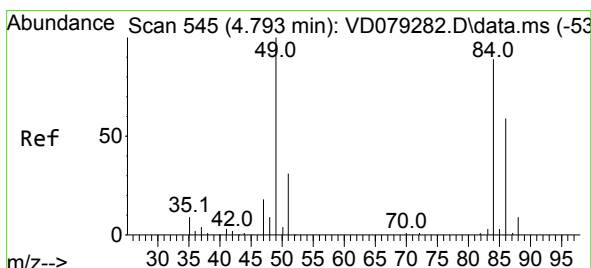
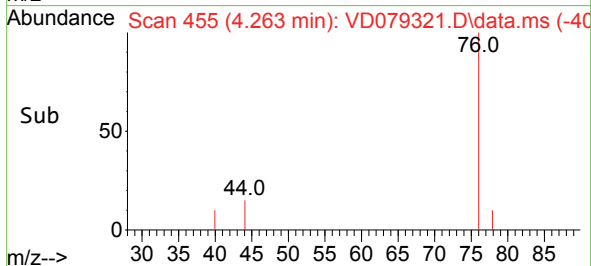
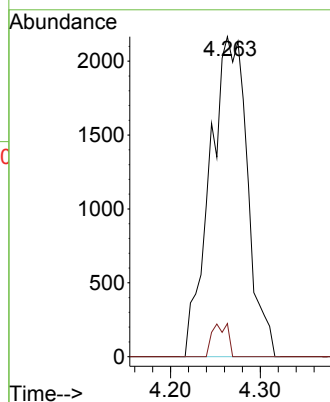


Tgt Ion: 76 Resp: 6277

Ion Ratio Lower Upper

76 100

78 10.3 6.9 10.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.793 min Scan# 545

Delta R.T. -0.000 min

Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

Tgt Ion: 84 Resp: 6591

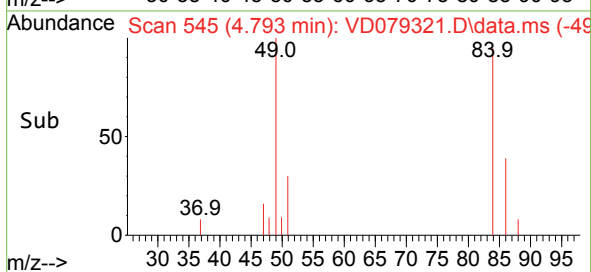
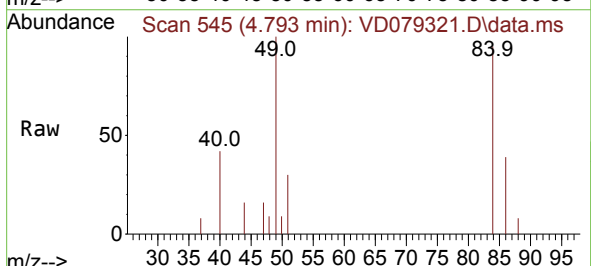
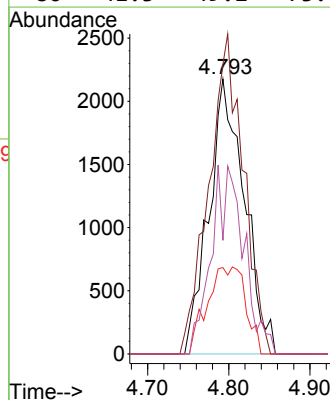
Ion Ratio Lower Upper

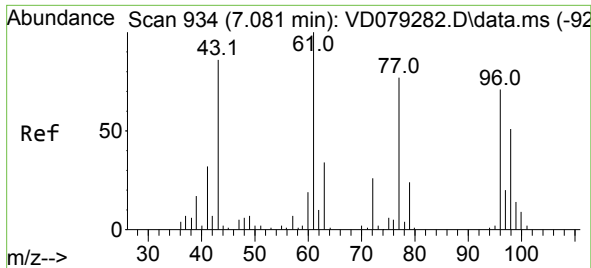
84 100

49 105.4 75.6 113.4

51 31.4 24.2 36.2

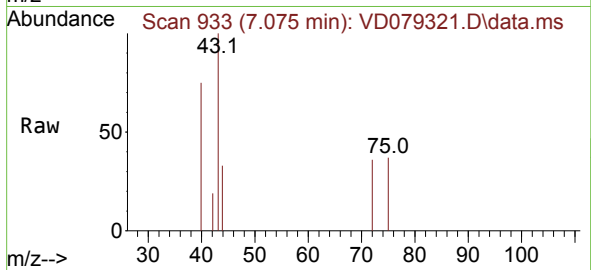
86 41.3 49.2 73.8#



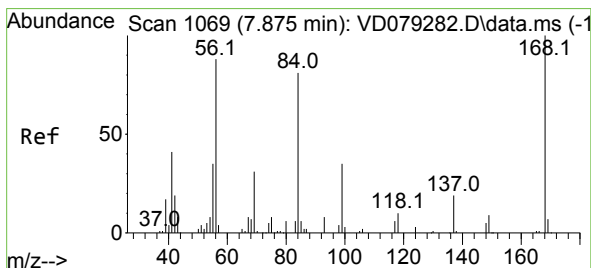
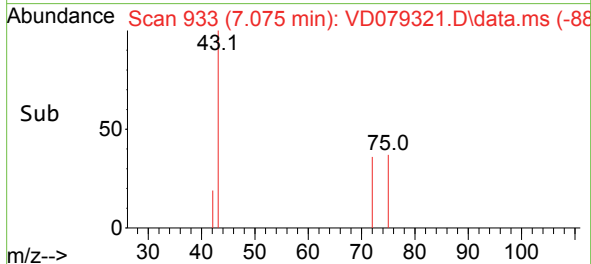
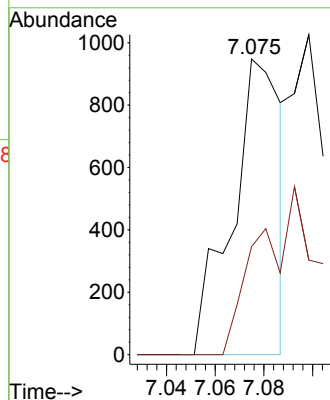


#25
2-Butanone
Concen: 3.971 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

Instrument :
MSVOA_D
ClientSampleId :

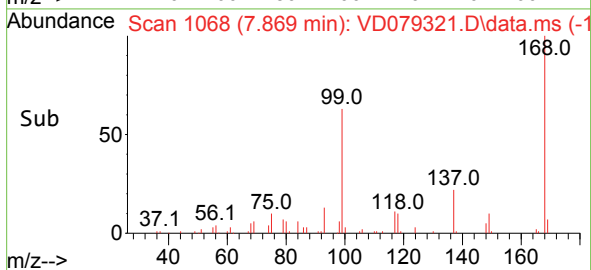
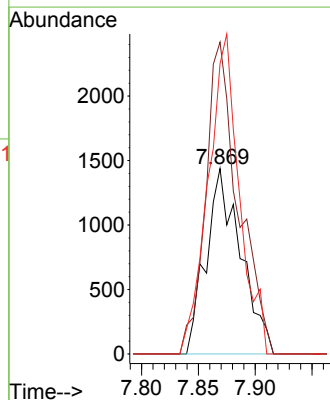
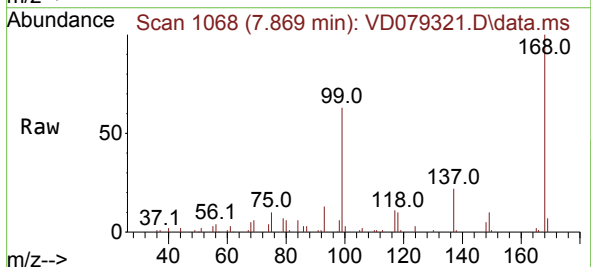


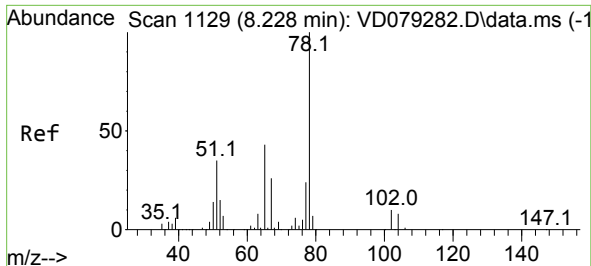
Tgt Ion: 43 Resp: 1321
Ion Ratio Lower Upper
43 100
72 36.5 26.4 39.6



#31
Cyclohexane
Concen: 1.425 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

Tgt Ion: 56 Resp: 3047
Ion Ratio Lower Upper
56 100
69 168.2 28.0 42.0#
84 156.5 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 46.239 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

Instrument :

MSVOA_D

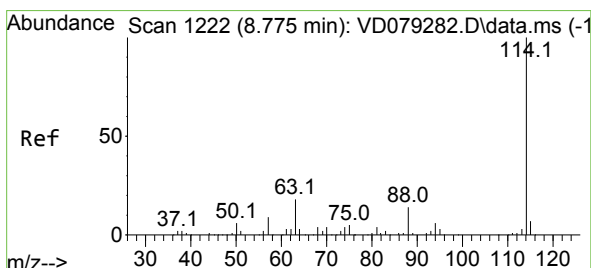
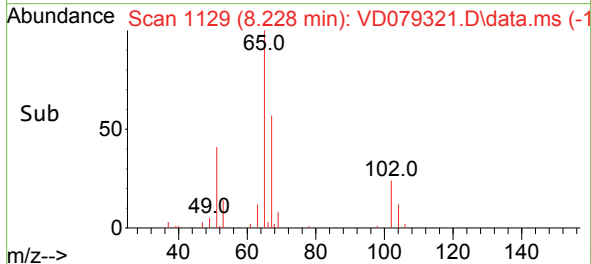
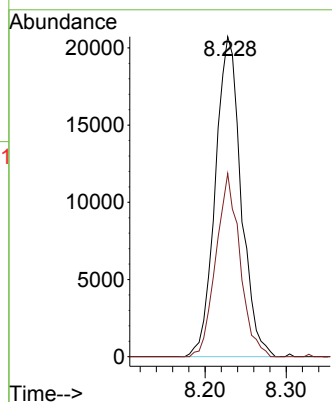
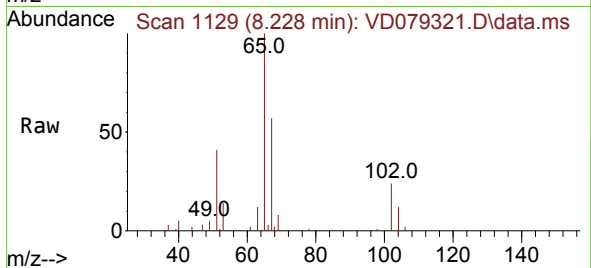
ClientSampleId :

Tgt Ion: 65 Resp: 45793

Ion Ratio Lower Upper

65 100

67 53.2 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

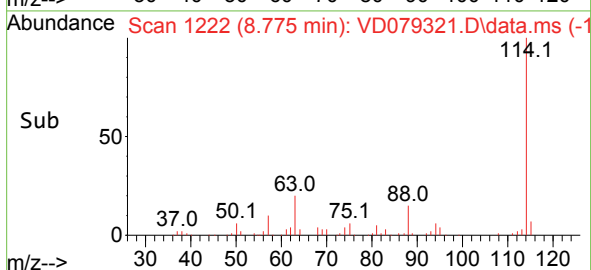
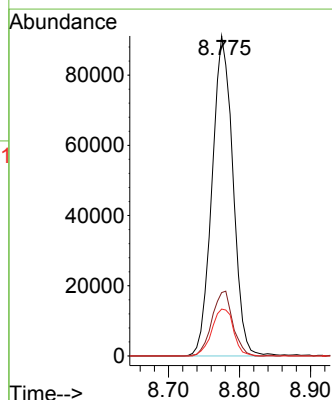
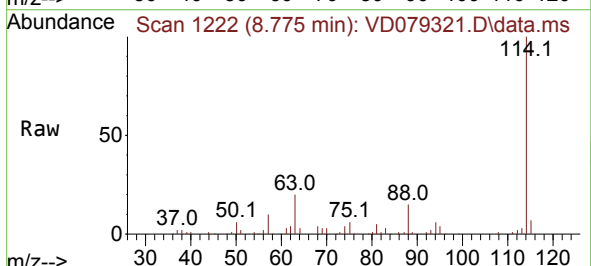
Tgt Ion: 114 Resp: 185975

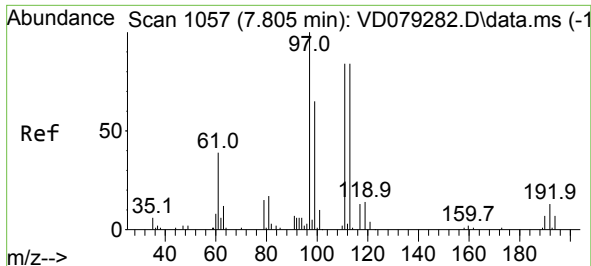
Ion Ratio Lower Upper

114 100

63 19.8 0.0 34.0

88 14.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 46.072 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

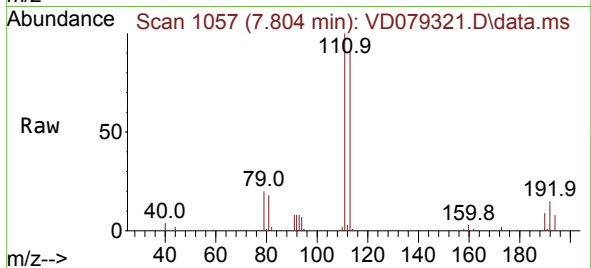
Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

Instrument :

MSVOA_D

ClientSampleId :



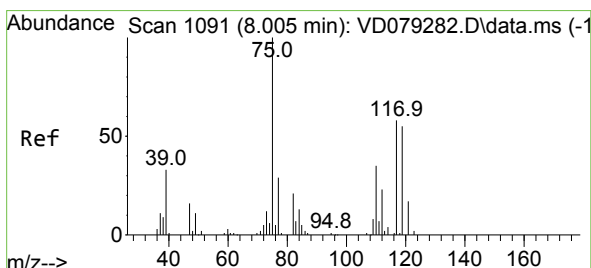
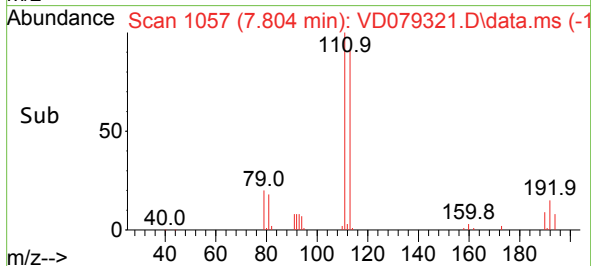
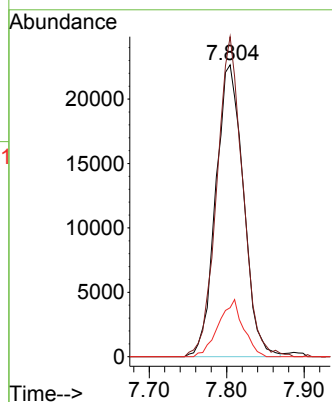
Tgt Ion:113 Resp: 56242

Ion Ratio Lower Upper

113 100

111 102.8 84.0 126.0

192 17.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 5.034 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

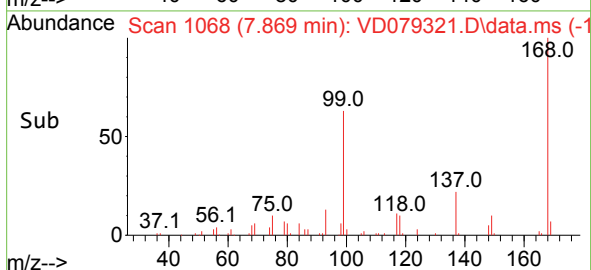
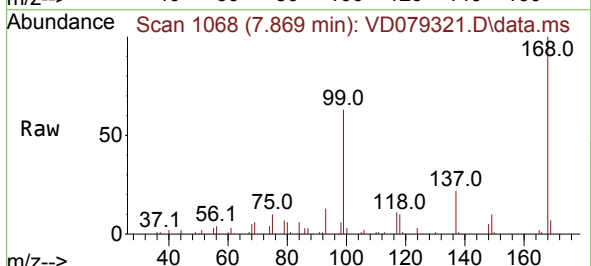
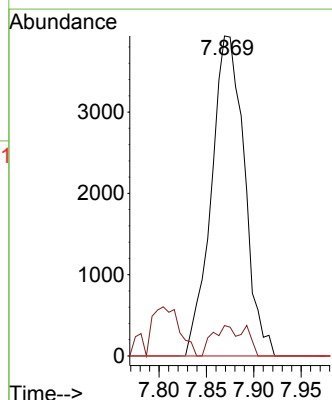
Tgt Ion: 75 Resp: 9547

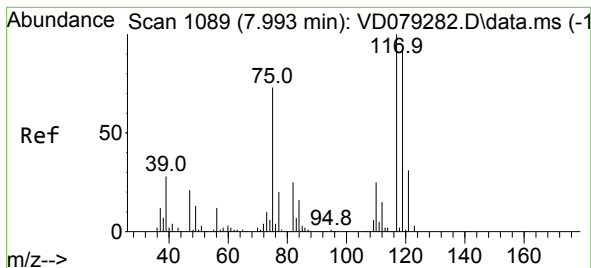
Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 6.182 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

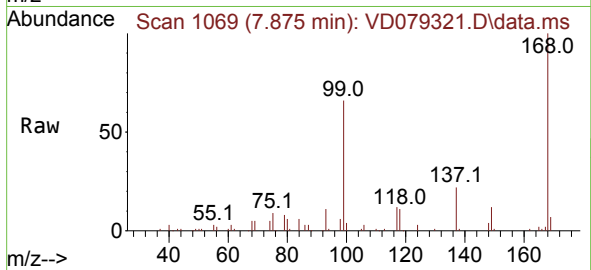
Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

Instrument :

MSVOA_D

ClientSampleId :



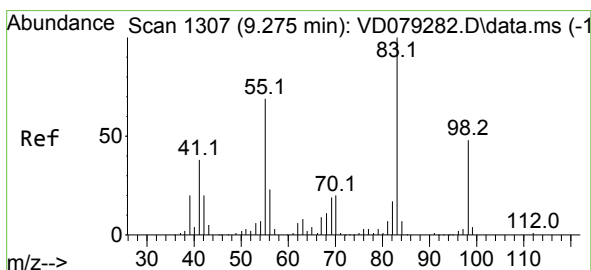
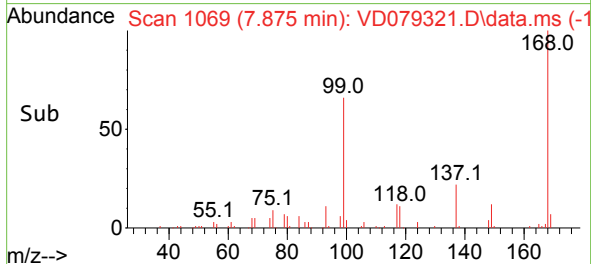
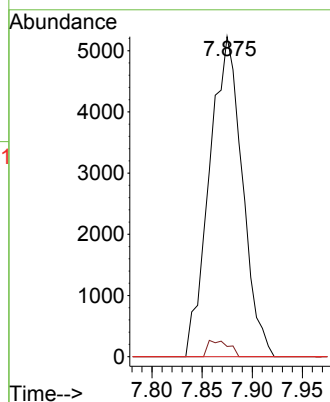
Tgt Ion:117 Resp: 11906

Ion Ratio Lower Upper

117 100

119 3.2 75.4 113.0#

121 0.0 25.0 37.4#



#39

Methylcyclohexane

Concen: 1.324 ug/l

RT: 9.269 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

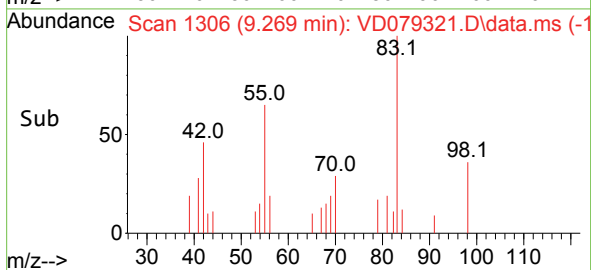
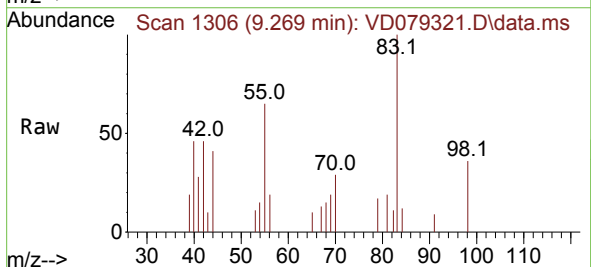
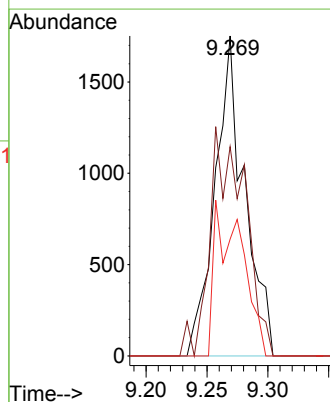
Tgt Ion: 83 Resp: 2955

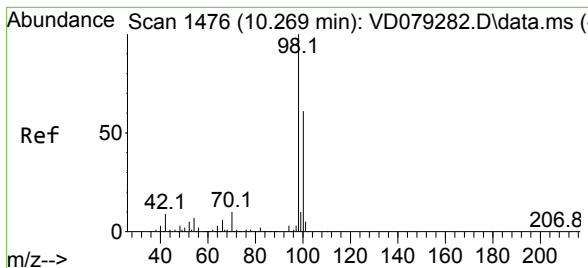
Ion Ratio Lower Upper

83 100

55 65.4 50.1 75.1

98 36.5 41.9 62.9#





#50

Toluene-d8

Concen: 33.364 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD079321.D

Acq: 02 Jul 2024 16:14

Instrument :

MSVOA_D

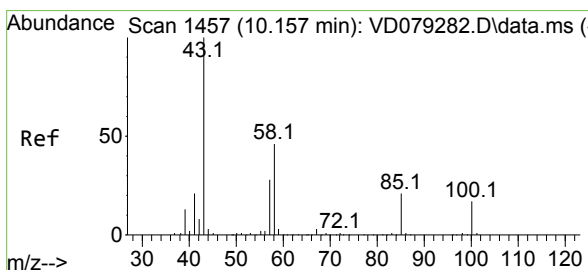
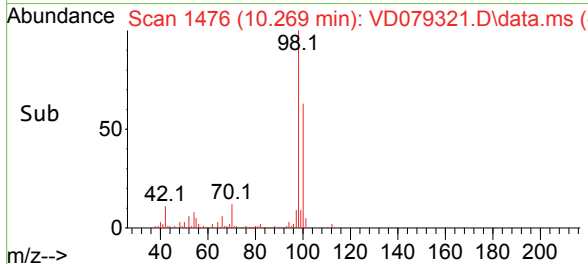
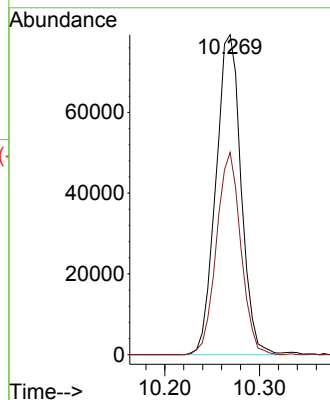
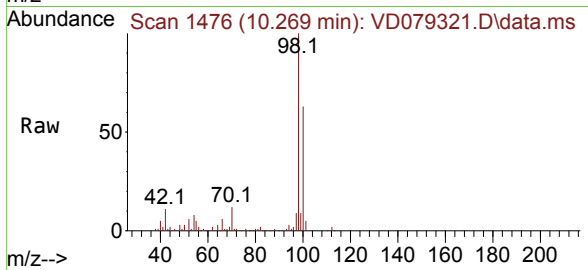
ClientSampleId :

Tgt Ion: 98 Resp: 146520

Ion Ratio Lower Upper

98 100

100 61.2 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.851 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.111 min

Lab File: VD079321.D

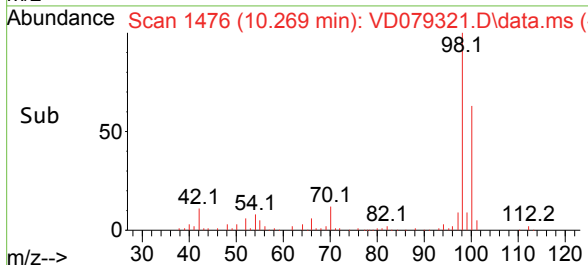
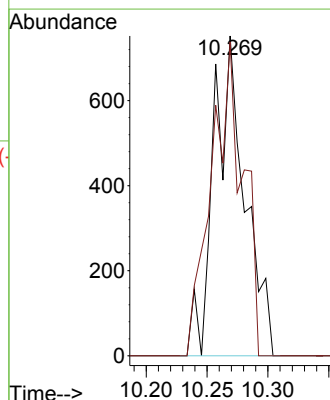
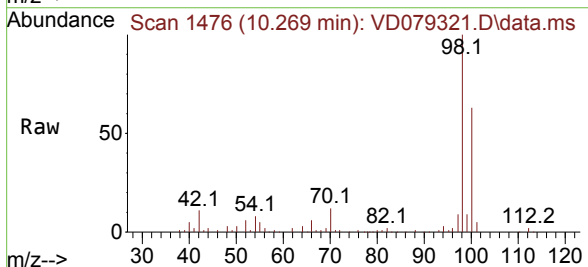
Acq: 02 Jul 2024 16:14

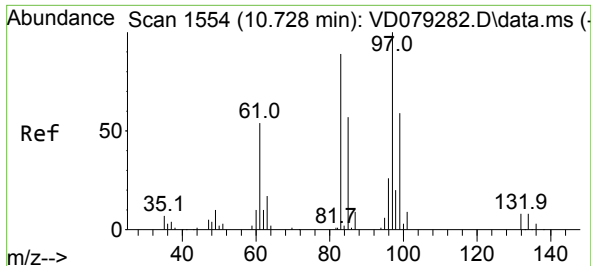
Tgt Ion: 43 Resp: 1342

Ion Ratio Lower Upper

43 100

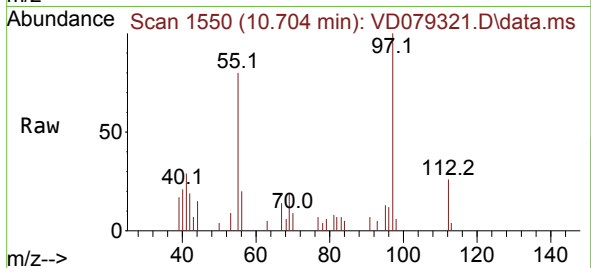
58 99.3 36.6 55.0#



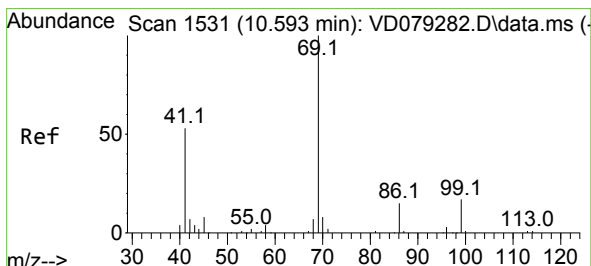
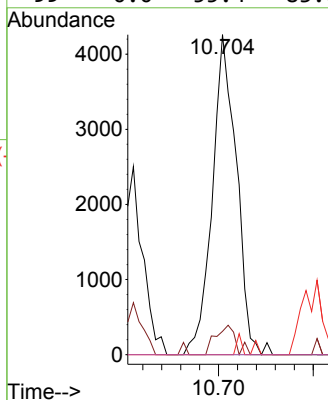
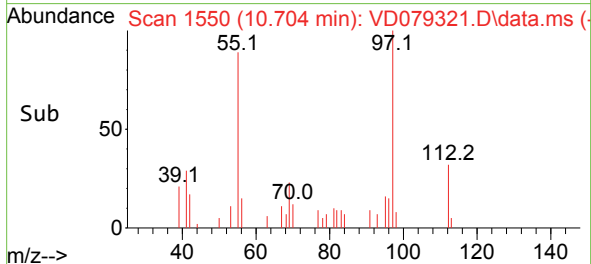


#55
1,1,2-Trichloroethane
Concen: 7.159 ug/l
RT: 10.704 min Scan# 1550
Delta R.T. -0.024 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

Instrument :
MSVOA_D
ClientSampleId :

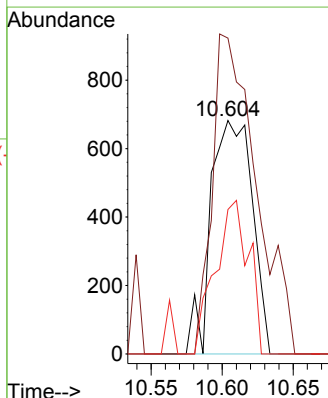
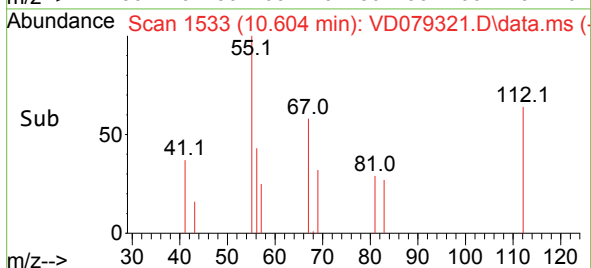
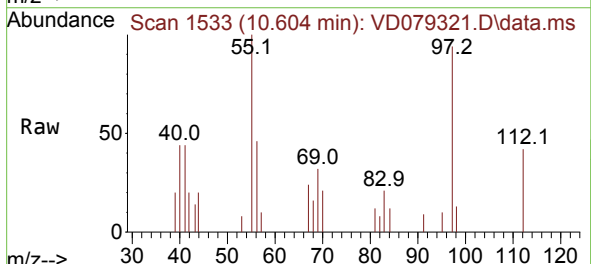


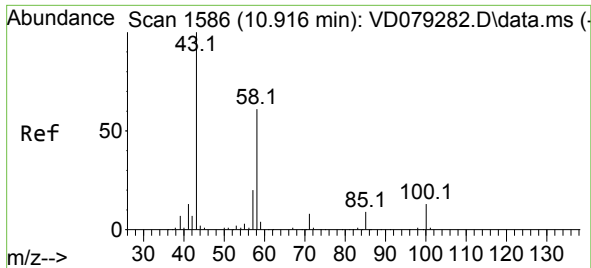
Tgt Ion: 97	Resp: 7545
Ion Ratio	Lower Upper
97 100	
83 7.3	65.8 98.8#
85 0.0	43.8 65.8#
99 0.0	55.4 83.0#



#56
Ethyl methacrylate
Concen: 4.626 ug/l
RT: 10.604 min Scan# 1533
Delta R.T. 0.011 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

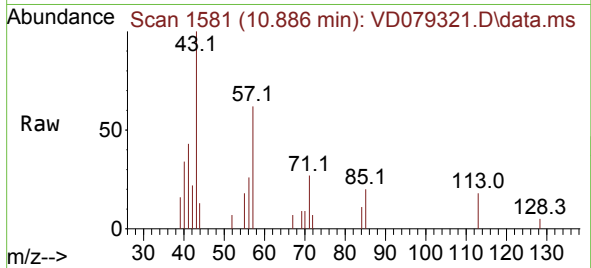
Tgt Ion: 69	Resp: 1385
Ion Ratio	Lower Upper
69 100	
41 145.8	39.8 59.6#
39 53.3	20.2 30.4#



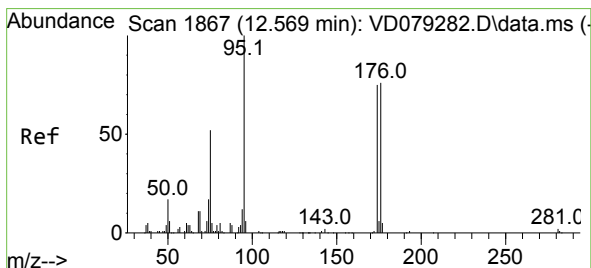
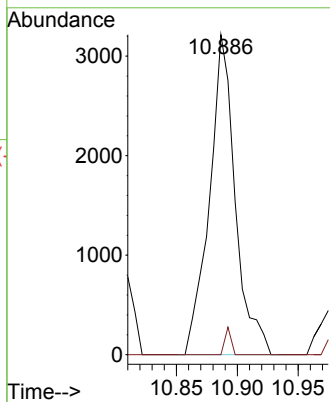
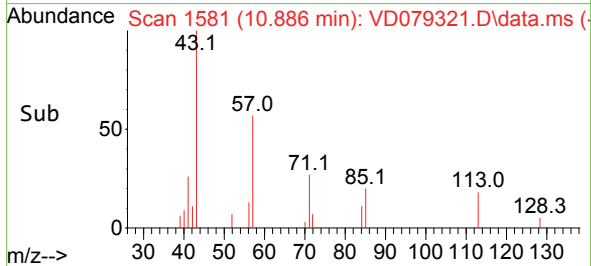


#59
2-Hexanone
Concen: 9.243 ug/l
RT: 10.886 min Scan# 1581
Delta R.T. -0.036 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

Instrument :
MSVOA_D
ClientSampleId :

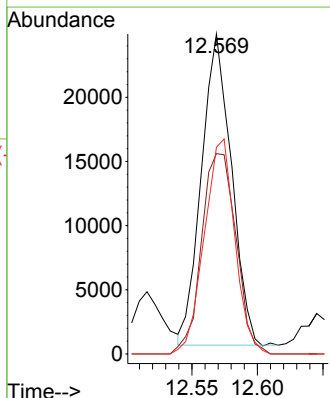
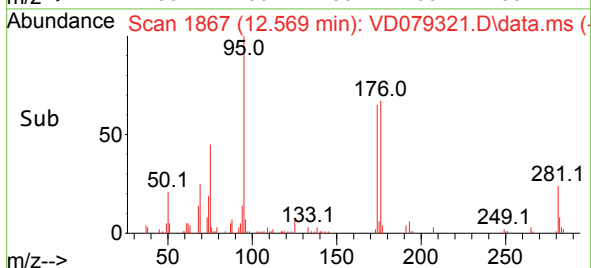
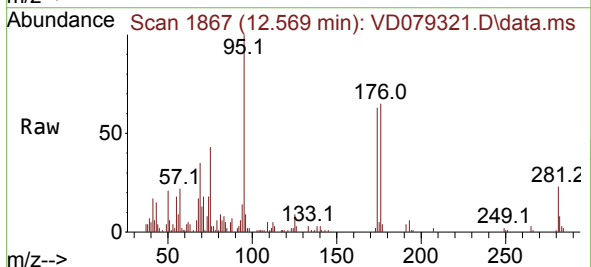


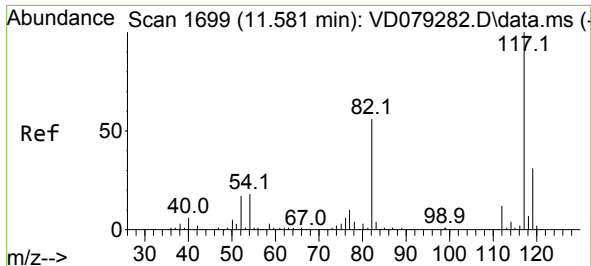
Tgt Ion: 43 Resp: 4759
Ion Ratio Lower Upper
43 100
58 2.1 31.1 93.5#



#62
4-Bromofluorobenzene
Concen: 27.365 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

Tgt Ion: 95 Resp: 38536
Ion Ratio Lower Upper
95 100
174 74.0 0.0 195.4
176 70.4 0.0 192.6

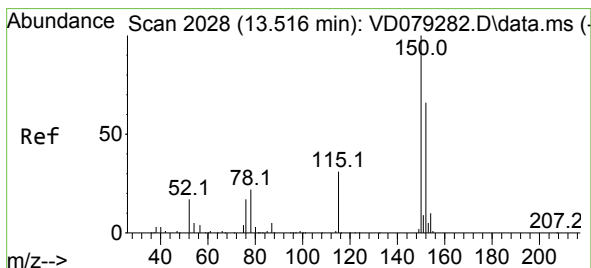
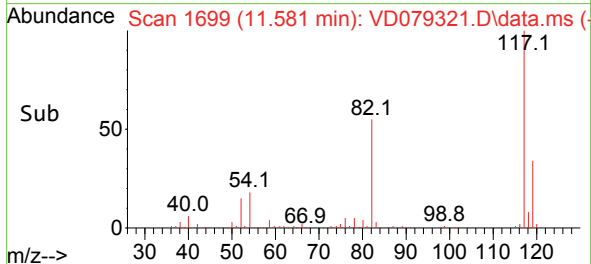
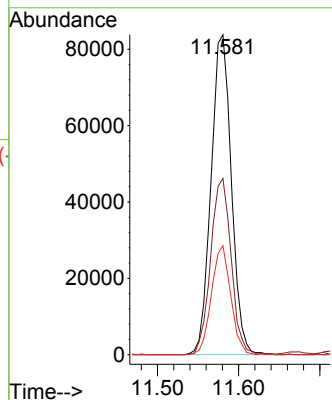
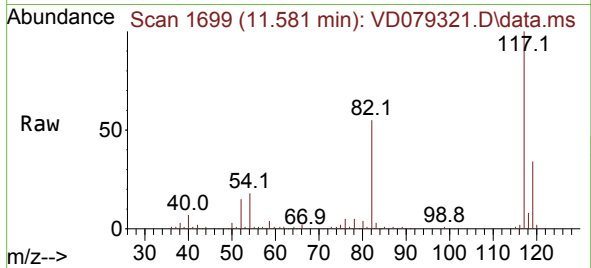




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

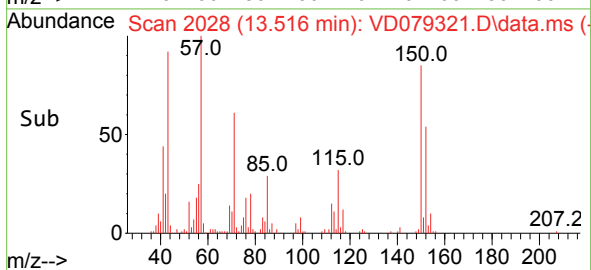
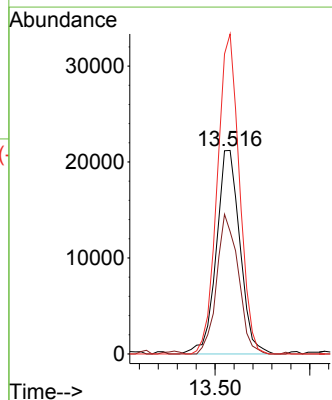
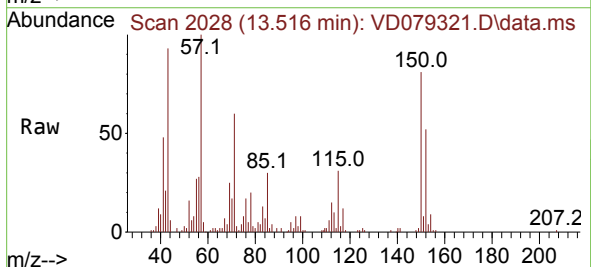
Instrument :
MSVOA_D
ClientSampleId :

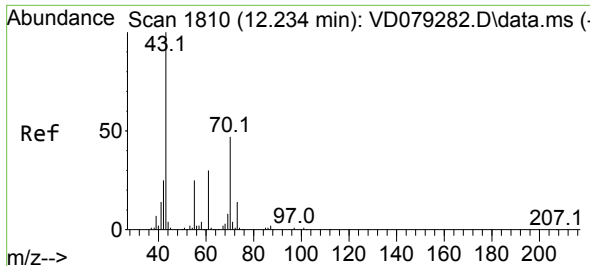
Tgt Ion:117 Resp: 145641
Ion Ratio Lower Upper
117 100
82 55.1 39.8 59.6
119 34.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

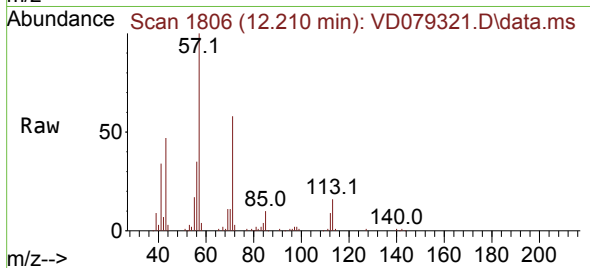
Tgt Ion:152 Resp: 36632
Ion Ratio Lower Upper
152 100
115 62.9 26.5 79.5
150 147.4 0.0 341.6





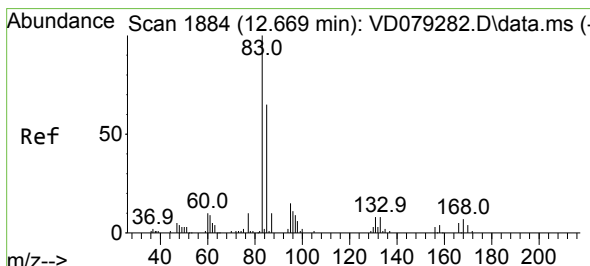
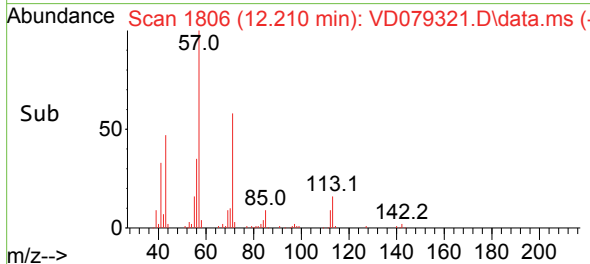
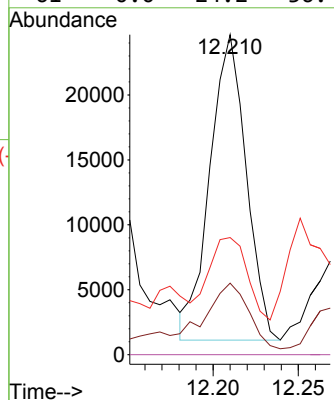
#74
N-amy1 acetate
Concen: 58.236 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.018 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 34808

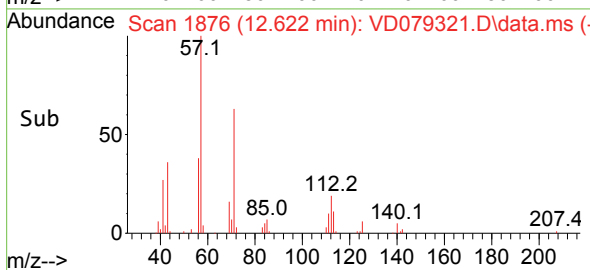
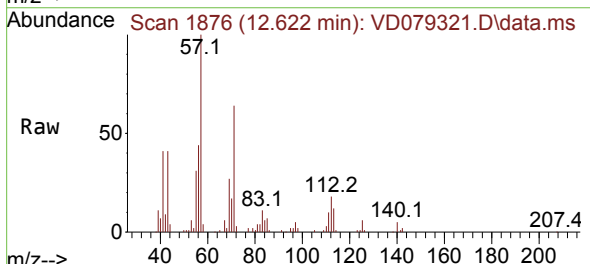
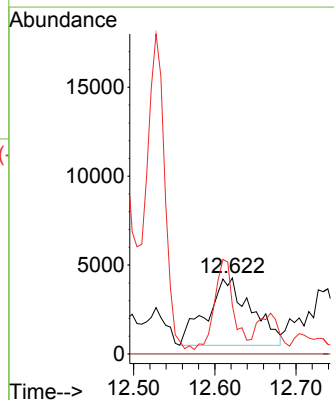
Ion	Ratio	Lower	Upper
43	100		
70	30.4	44.3	66.5#
55	28.1	23.2	34.8
61	0.0	24.2	36.4#

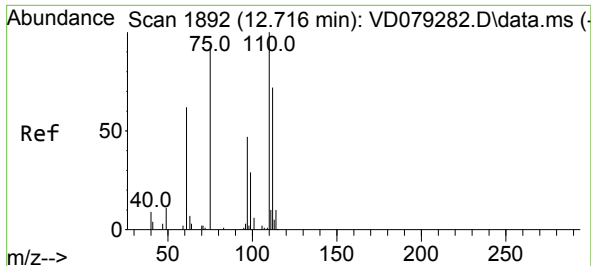


#75
1,1,2,2-Tetrachloroethane
Concen: 25.367 ug/l
RT: 12.622 min Scan# 1876
Delta R.T. -0.047 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

Tgt Ion: 83 Resp: 14400

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	60.6	33.8	101.3

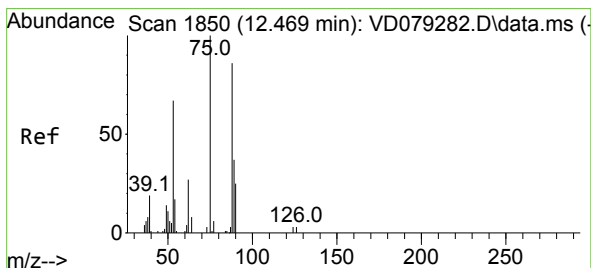
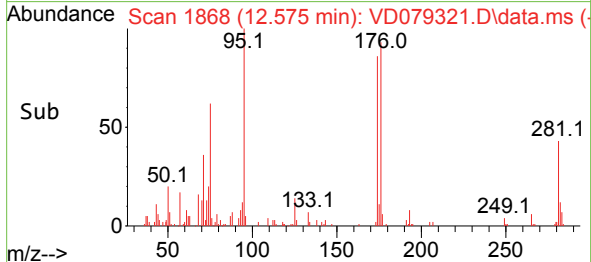
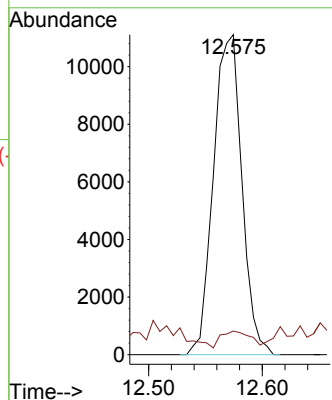
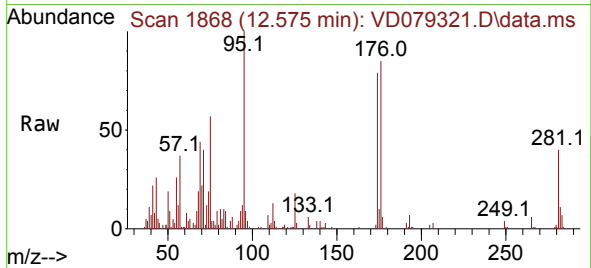




#76
1,2,3-Trichloropropane
Concen: 52.663 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

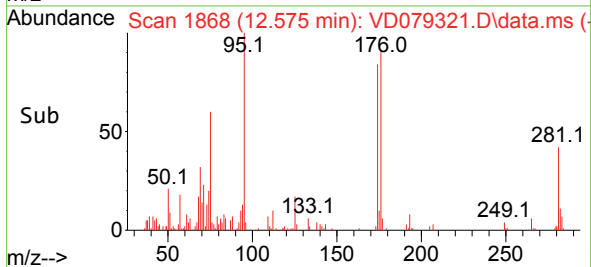
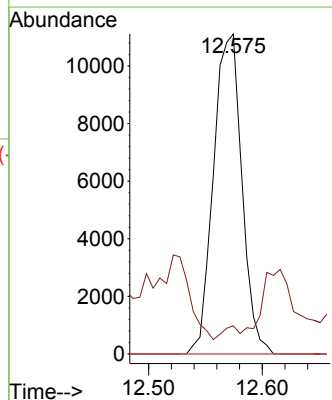
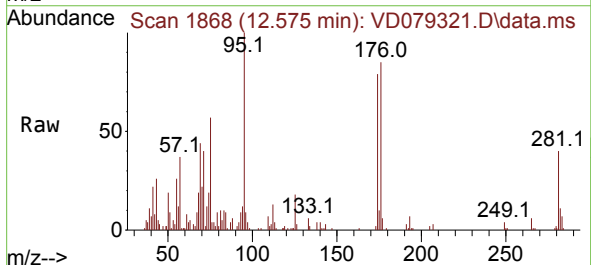
Instrument :
MSVOA_D
ClientSampleId :

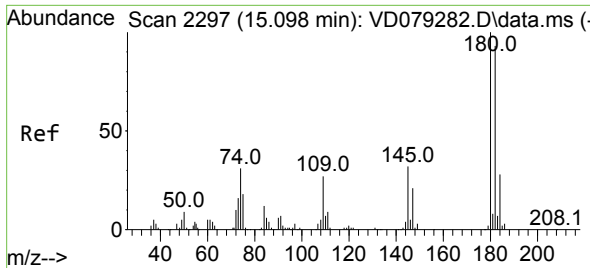
Tgt Ion: 75 Resp: 19306
Ion Ratio Lower Upper
75 100
77 5.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.722 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079321.D
Acq: 02 Jul 2024 16:14

Tgt Ion: 75 Resp: 19306
Ion Ratio Lower Upper
75 100
53 2.3 61.4 92.2#
89 0.0 35.4 53.0#

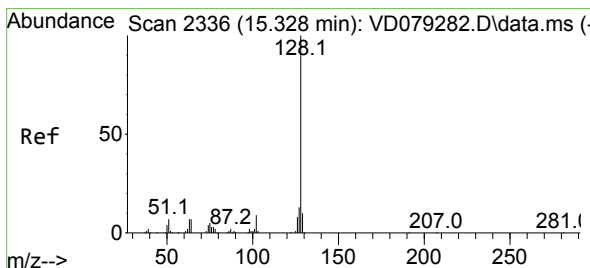
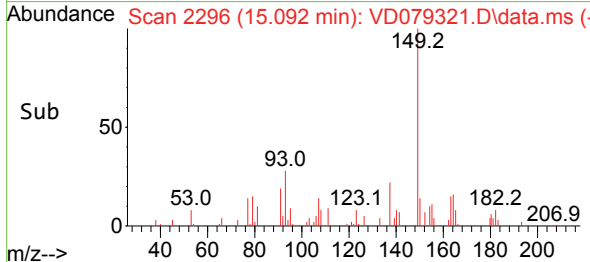
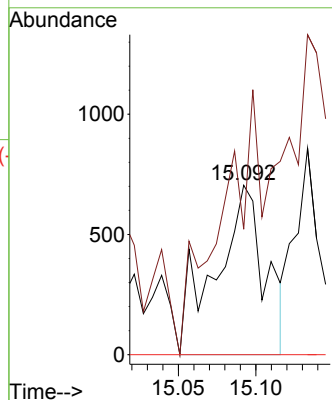
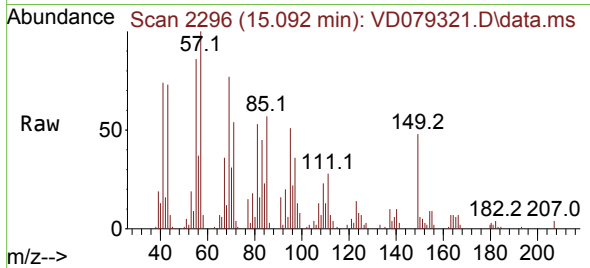




#93
 1,2,4-Trichlorobenzene
 Concen: 2.597 ug/l
 RT: 15.092 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD079321.D
 Acq: 02 Jul 2024 16:14

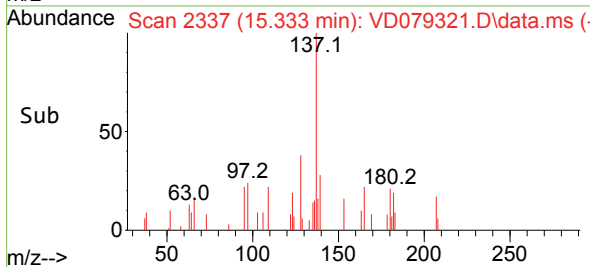
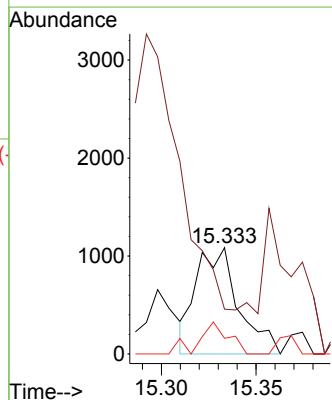
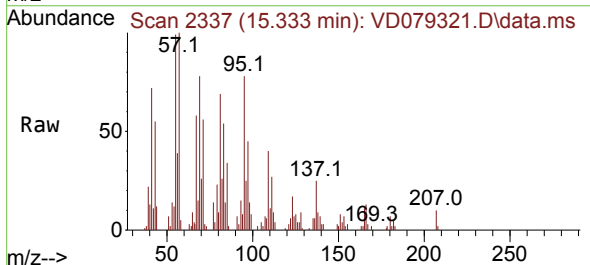
Instrument :
 MSVOA_D
 ClientSampleId :

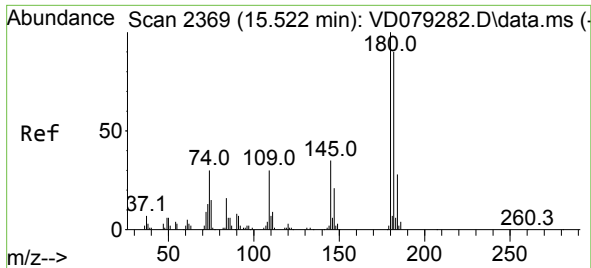
Tgt Ion:180 Resp: 1552
 Ion Ratio Lower Upper
 180 100
 182 84.2 46.9 140.7
 145 0.0 14.0 41.9#



#95
 Naphthalene
 Concen: 1.450 ug/l
 RT: 15.333 min Scan# 2337
 Delta R.T. 0.006 min
 Lab File: VD079321.D
 Acq: 02 Jul 2024 16:14

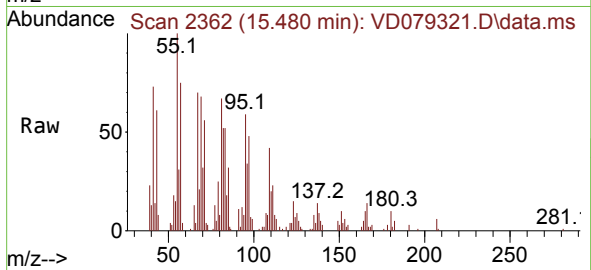
Tgt Ion:128 Resp: 1692
 Ion Ratio Lower Upper
 128 100
 127 42.2 10.2 15.4#
 129 14.7 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.683 ug/l
 RT: 15.480 min Scan# 21
 Delta R.T. -0.036 min
 Lab File: VD079321.D
 Acq: 02 Jul 2024 16:14

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:180 Resp: 2475
 Ion Ratio Lower Upper
 180 100
 182 19.4 47.8 143.3#
 145 0.0 16.1 48.2#

