

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070124\
 Data File : VD079297.D
 Acq On : 01 Jul 2024 15:45
 Operator : RP/MD
 Sample : P3129-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 02 05:58:32 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)

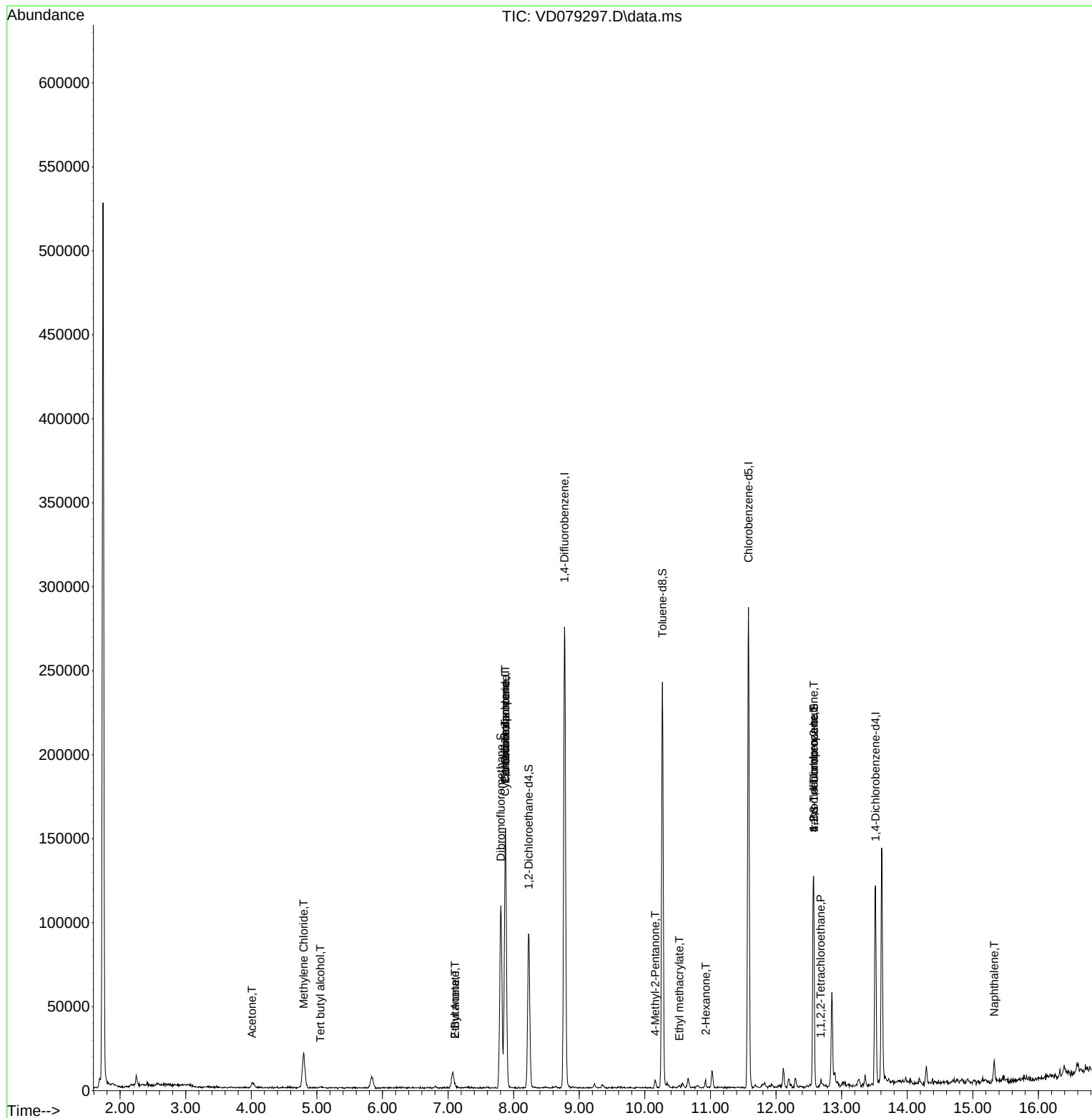
Internal Standards						
1) Pentafluorobenzene	7.875	168	107838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	248006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	165413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	32471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	72753	70.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	141.360%
35) Dibromofluoromethane	7.804	113	78992	48.524	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.040%
50) Toluene-d8	10.269	98	173697	29.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	59.320%
62) 4-Bromofluorobenzene	12.575	95	42826	22.805	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	252	Below Cal	#	54
11) Tert butyl alcohol	5.051	59	603	8.357	ug/l #	86
16) Acetone	4.010	43	5007	19.563	ug/l #	83
20) Methylene Chloride	4.799	84	15790	3.846	ug/l	94
25) 2-Butanone	7.104	43	2953	8.282	ug/l #	69
31) Cyclohexane	7.869	56	2968	1.295	ug/l #	38
36) 1,1-Dichloropropene	7.875	75	10454	4.133	ug/l #	48
37) Ethyl Acetate	7.104	43	2953	3.067	ug/l #	64
38) Carbon Tetrachloride	7.875	117	12679	4.936	ug/l #	18
51) 4-Methyl-2-Pentanone	10.157	43	3478	3.597	ug/l #	83
56) Ethyl methacrylate	10.528	69	184	3.811	ug/l #	1
59) 2-Hexanone	10.928	43	2550	3.714	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.680	83	1217	2.419	ug/l #	24
76) 1,2,3-Trichloropropane	12.575	75	22047	67.846	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	22047	125.897	ug/l #	19
95) Naphthalene	15.327	128	9603	9.286	ug/l #	91

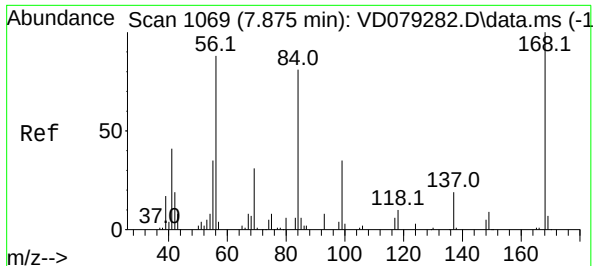
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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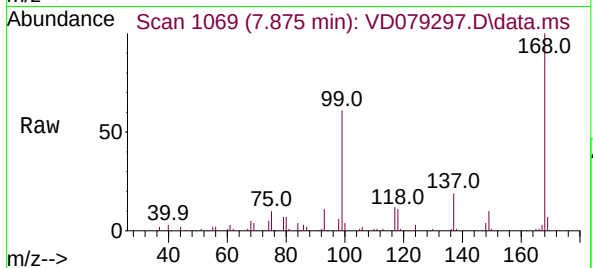
Quant Time: Jul 02 05:58:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 29 06:28:31 2024
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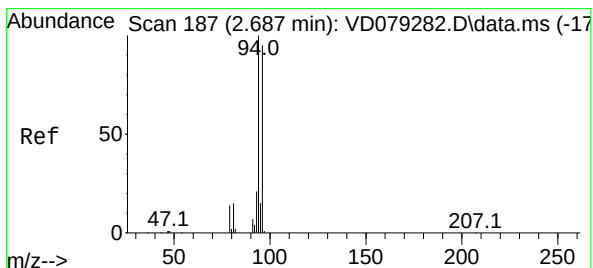
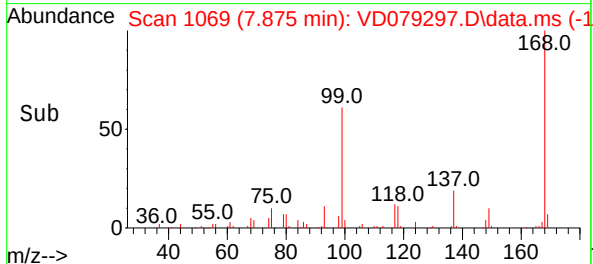
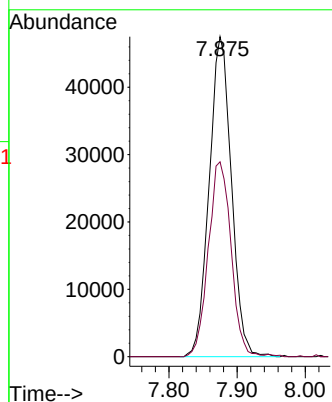


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

Instrument :
MSVOA_D
ClientSampleId :

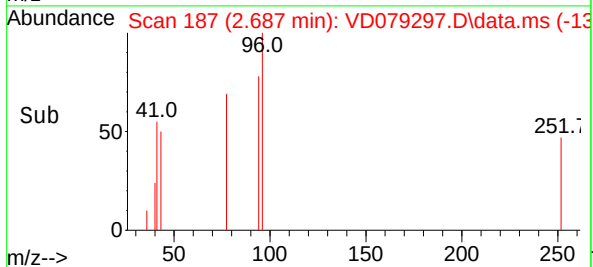
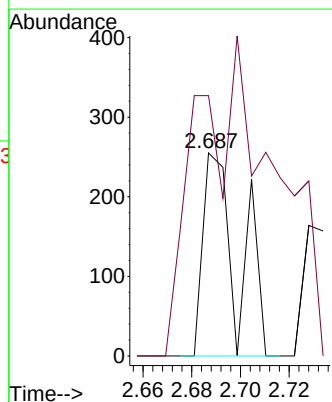
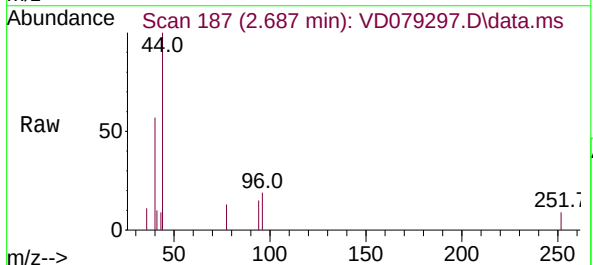


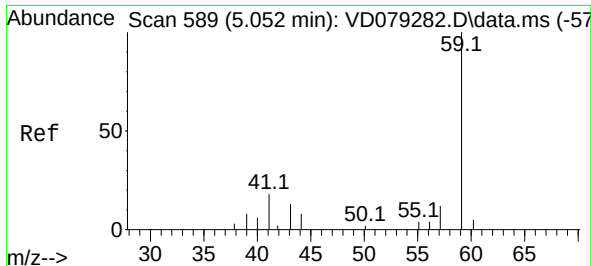
Tgt Ion:168 Resp: 107838
Ion Ratio Lower Upper
168 100
99 60.9 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.029 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 140.9 76.9 115.3#





#11

Tert butyl alcohol

Concen: 8.357 ug/l

RT: 5.051 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD079297.D

Acq: 01 Jul 2024 15:45

Instrument :

MSVOA_D

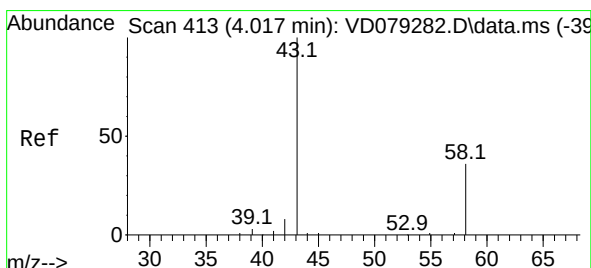
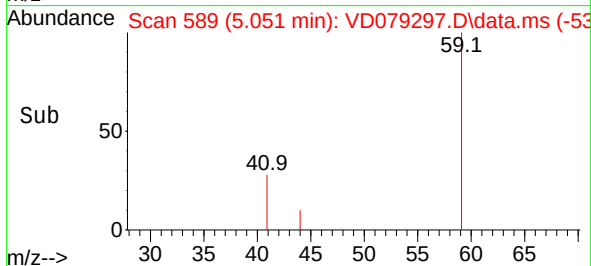
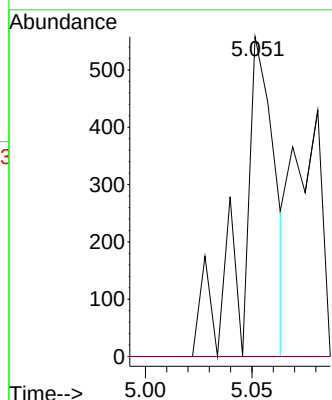
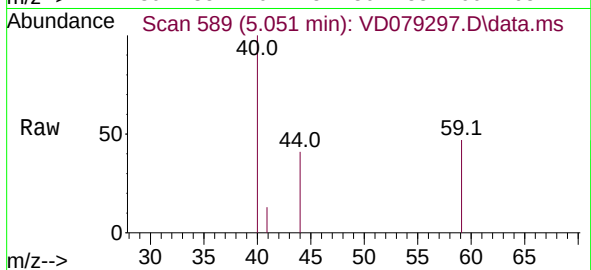
ClientSampleId :

Tgt Ion: 59 Resp: 603

Ion Ratio Lower Upper

59 100

57 0.0 3.6 5.4#



#16

Acetone

Concen: 19.563 ug/l

RT: 4.010 min Scan# 412

Delta R.T. -0.006 min

Lab File: VD079297.D

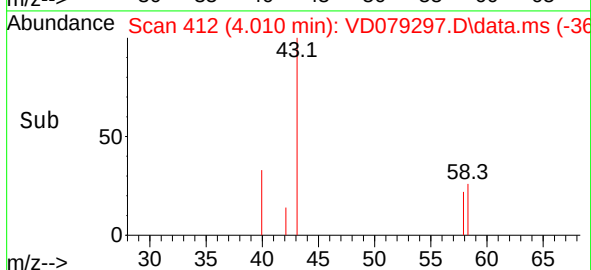
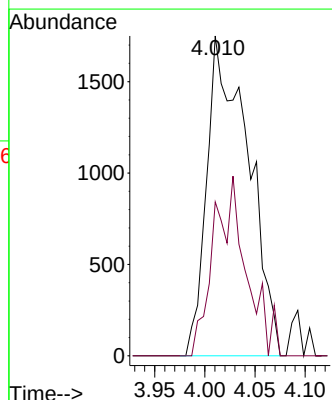
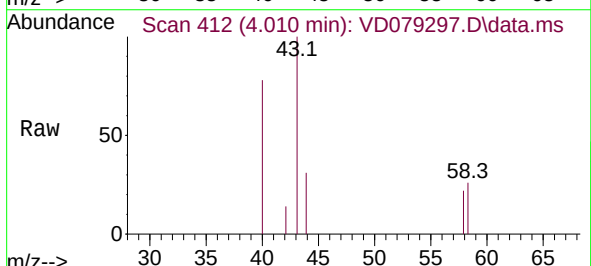
Acq: 01 Jul 2024 15:45

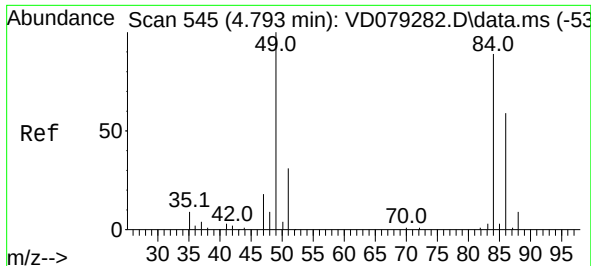
Tgt Ion: 43 Resp: 5007

Ion Ratio Lower Upper

43 100

58 48.1 30.4 45.6#





#20

Methylene Chloride

Concen: 3.846 ug/l

RT: 4.799 min Scan# 54

Delta R.T. 0.006 min

Lab File: VD079297.D

Acq: 01 Jul 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 84 Resp: 15790

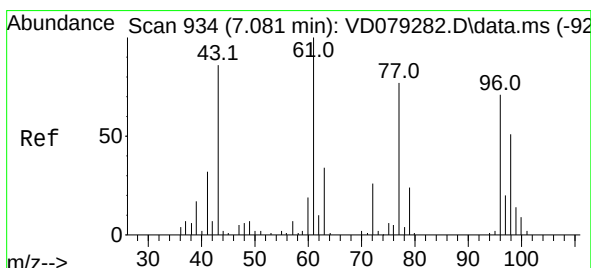
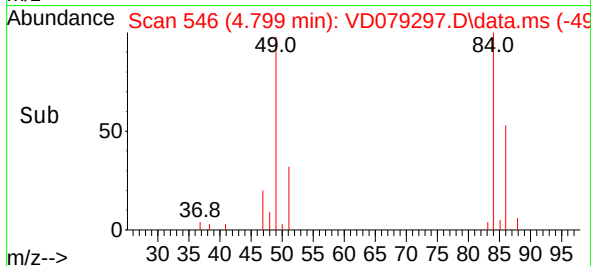
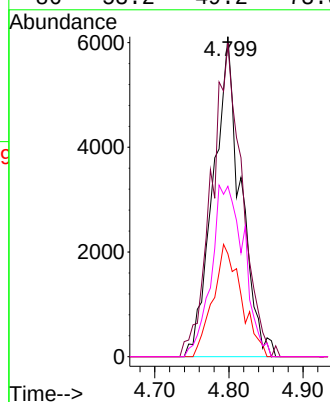
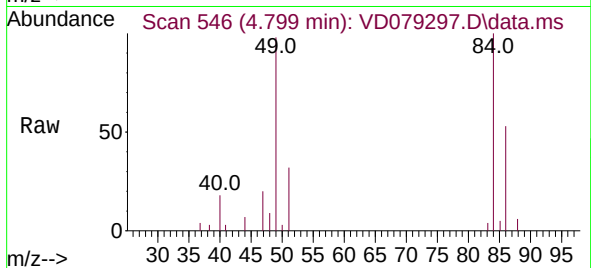
Ion Ratio Lower Upper

84 100

49 98.0 75.6 113.4

51 32.1 24.2 36.2

86 53.2 49.2 73.8



#25

2-Butanone

Concen: 8.282 ug/l

RT: 7.104 min Scan# 938

Delta R.T. 0.029 min

Lab File: VD079297.D

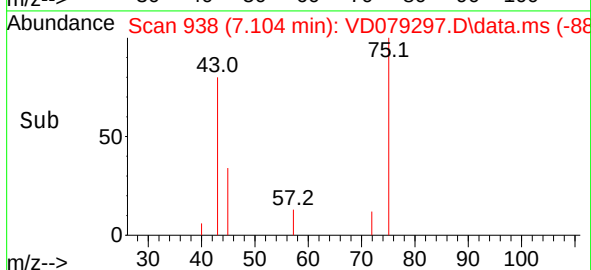
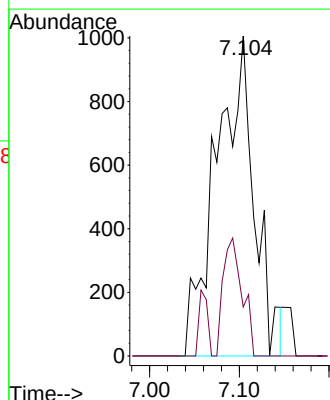
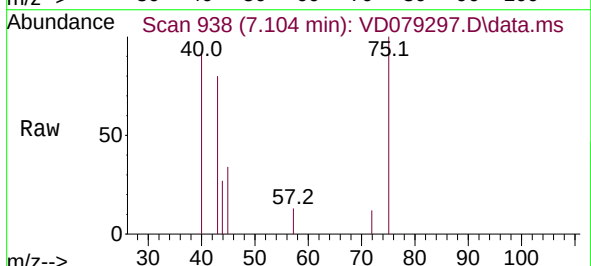
Acq: 01 Jul 2024 15:45

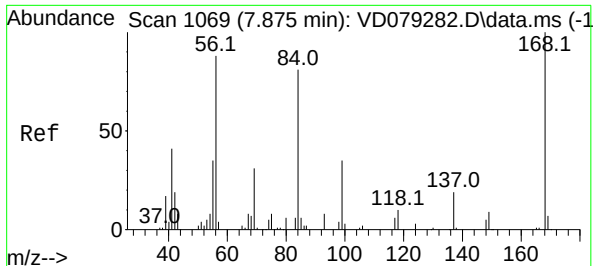
Tgt Ion: 43 Resp: 2953

Ion Ratio Lower Upper

43 100

72 15.3 26.4 39.6#





#31

Cyclohexane

Concen: 1.295 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

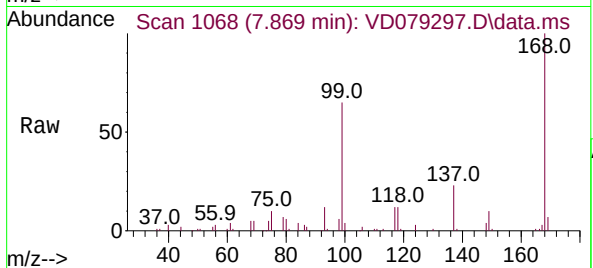
Lab File: VD079297.D

Acq: 01 Jul 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :



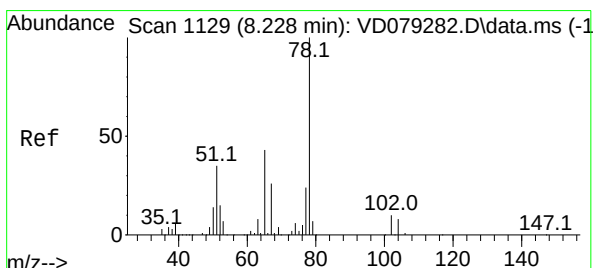
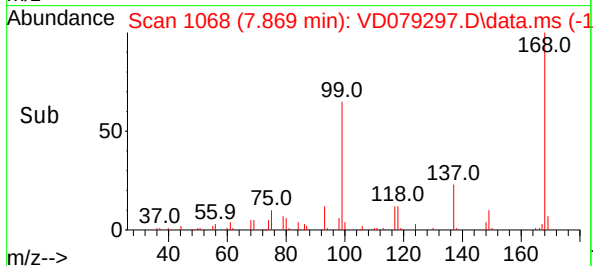
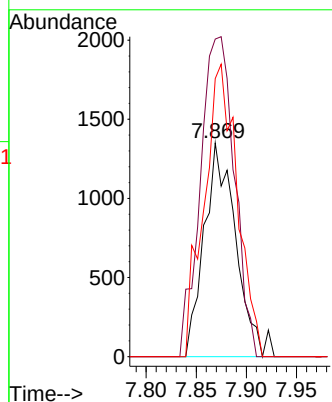
Tgt Ion: 56 Resp: 2968

Ion Ratio Lower Upper

56 100

69 148.6 28.0 42.0#

84 130.1 87.4 131.0



#33

1,2-Dichloroethane-d4

Concen: 70.681 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079297.D

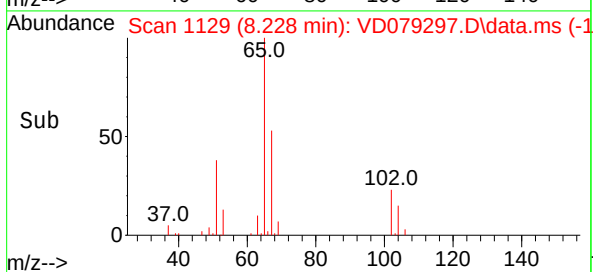
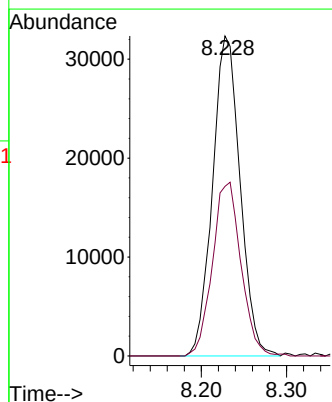
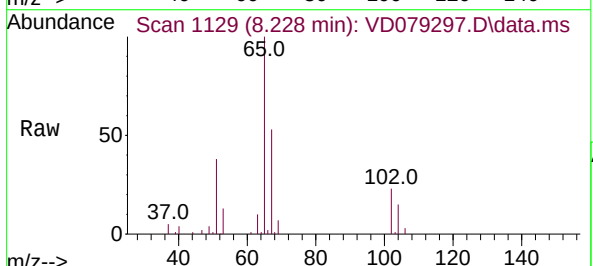
Acq: 01 Jul 2024 15:45

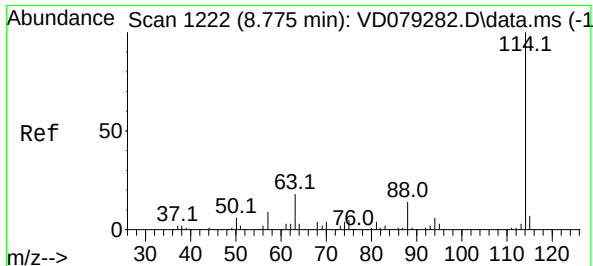
Tgt Ion: 65 Resp: 72753

Ion Ratio Lower Upper

65 100

67 56.2 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079297.D

Acq: 01 Jul 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :

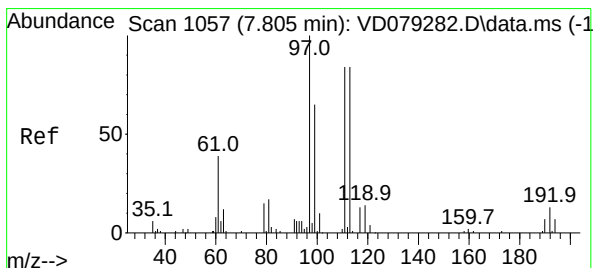
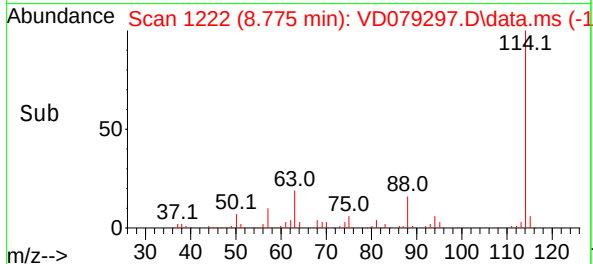
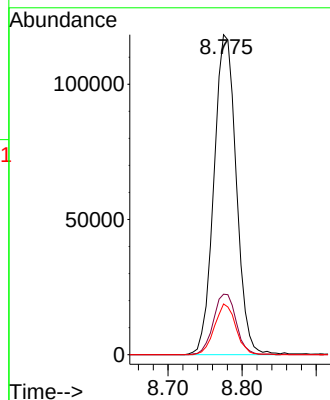
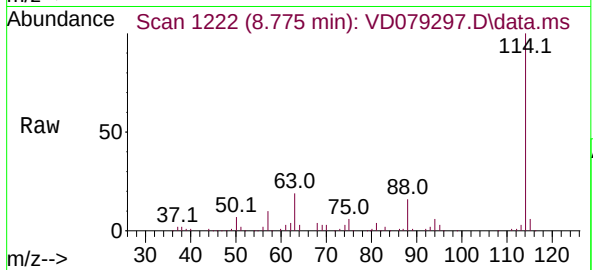
Tgt Ion:114 Resp: 248006

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.0

88 15.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.524 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079297.D

Acq: 01 Jul 2024 15:45

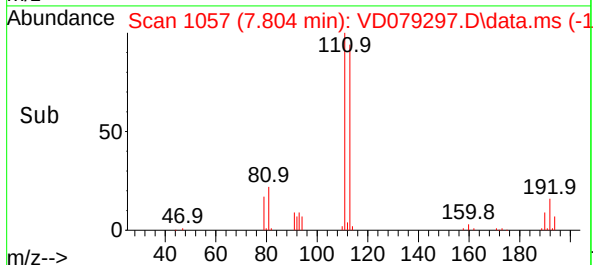
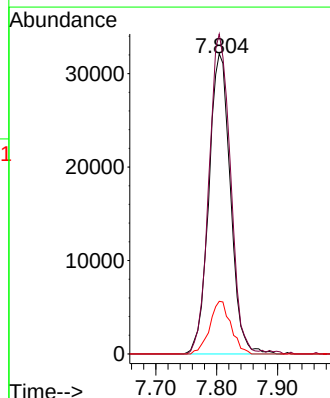
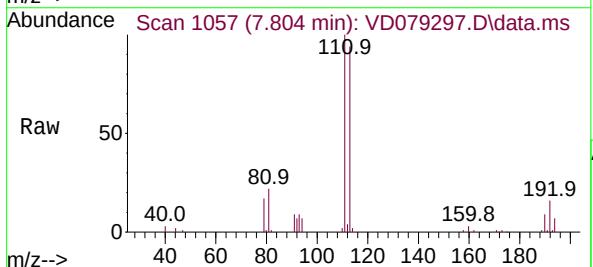
Tgt Ion:113 Resp: 78992

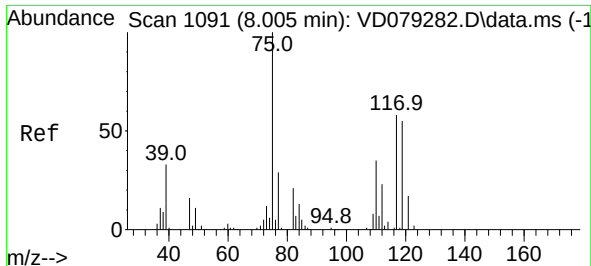
Ion Ratio Lower Upper

113 100

111 106.6 84.0 126.0

192 17.2 15.4 23.0

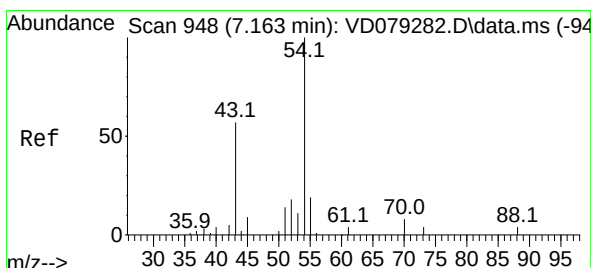
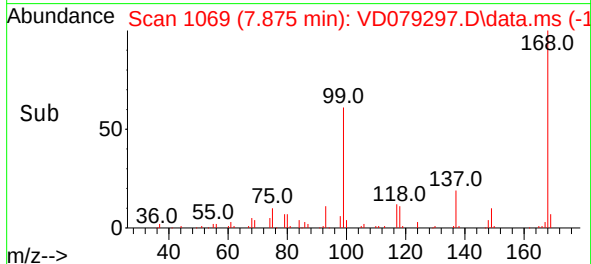
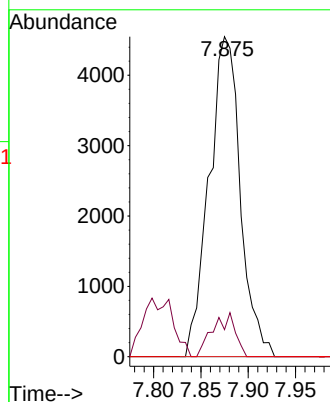
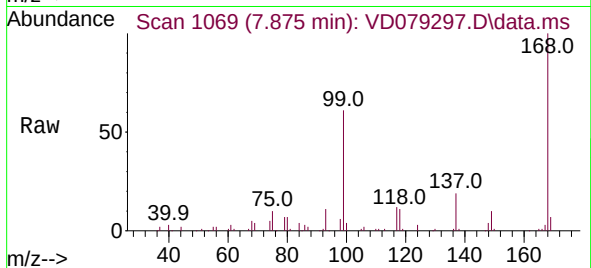




#36
1,1-Dichloropropene
Concen: 4.133 ug/l
RT: 7.875 min Scan# 1
Delta R.T. -0.130 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

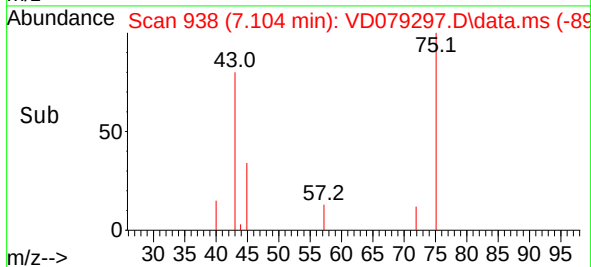
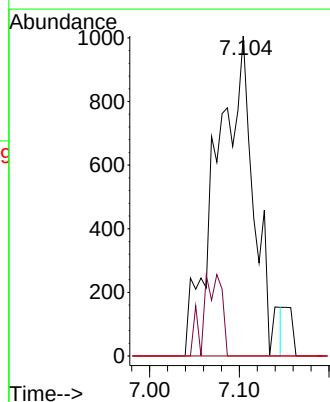
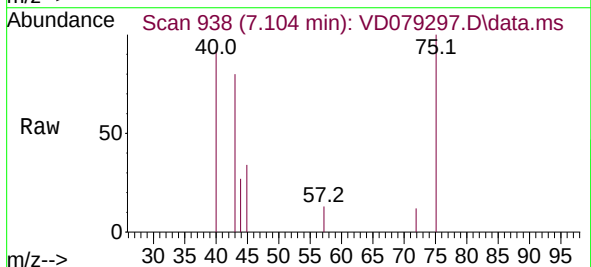
Instrument :
MSVOA_D
ClientSampleId :

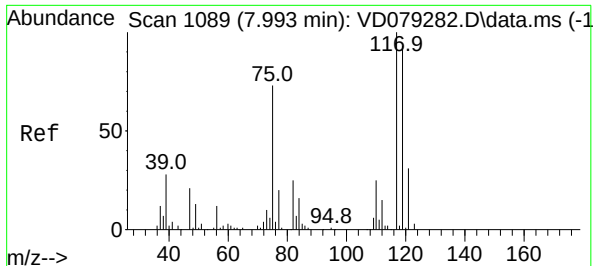
Tgt Ion: 75 Resp: 10454
Ion Ratio Lower Upper
75 100
110 9.8 19.6 58.7#
77 0.0 26.1 39.1#



#37
Ethyl Acetate
Concen: 3.067 ug/l
RT: 7.104 min Scan# 938
Delta R.T. -0.059 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
61 0.0 13.9 20.9#
70 0.0 9.8 14.6#





#38

Carbon Tetrachloride

Concen: 4.936 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.112 min

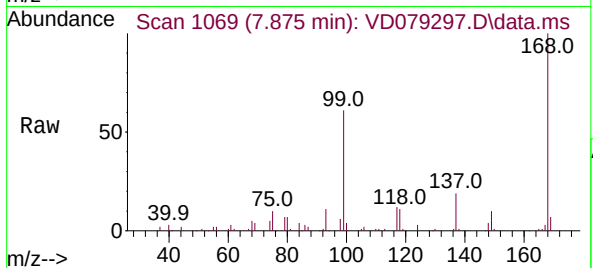
Lab File: VD079297.D

Acq: 01 Jul 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :



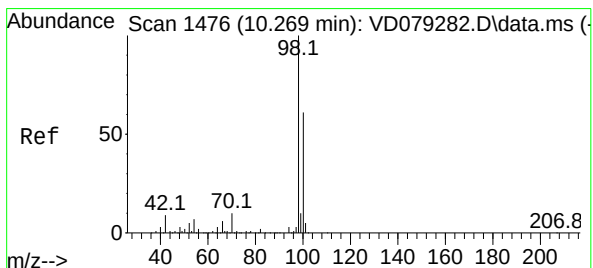
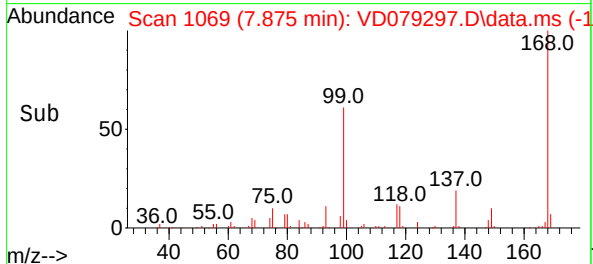
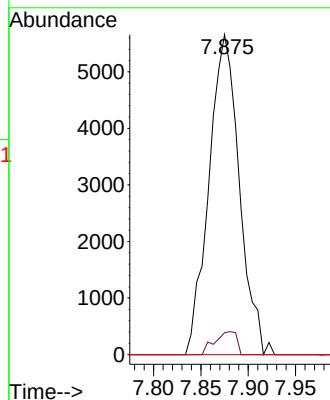
Tgt Ion:117 Resp: 12679

Ion Ratio Lower Upper

117 100

119 6.8 75.4 113.0#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 29.659 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD079297.D

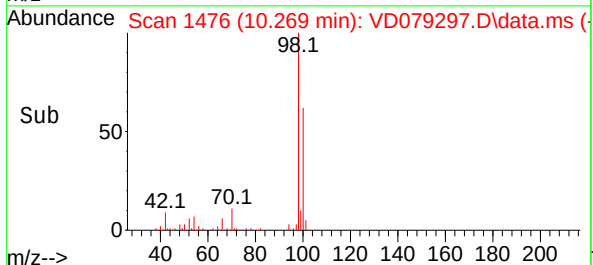
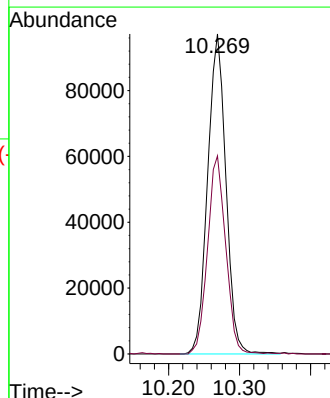
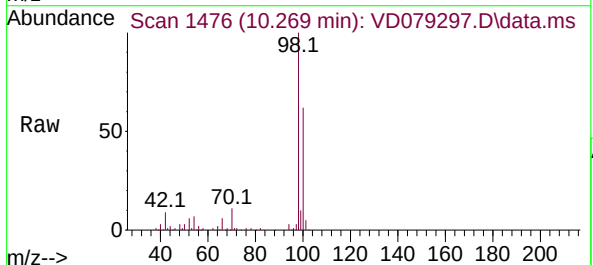
Acq: 01 Jul 2024 15:45

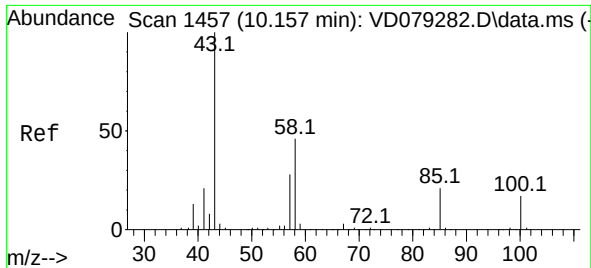
Tgt Ion: 98 Resp: 173697

Ion Ratio Lower Upper

98 100

100 61.5 51.6 77.4

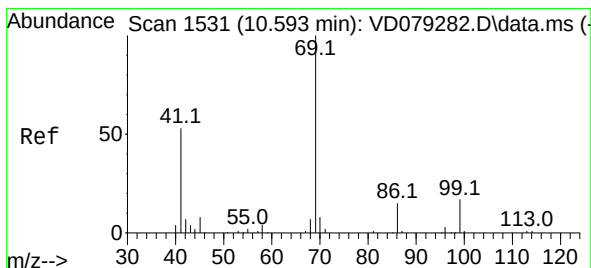
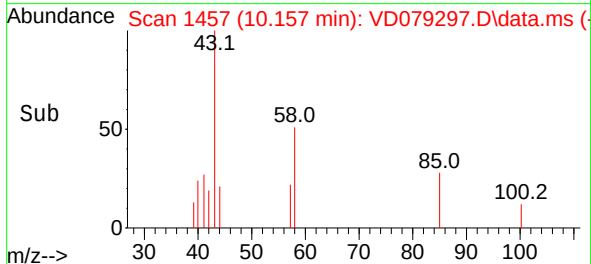
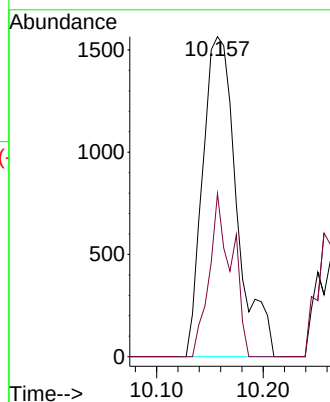
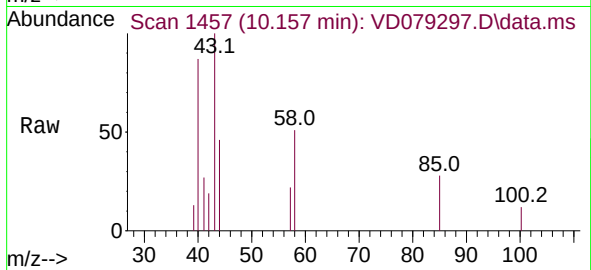




#51
4-Methyl-2-Pentanone
Concen: 3.597 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

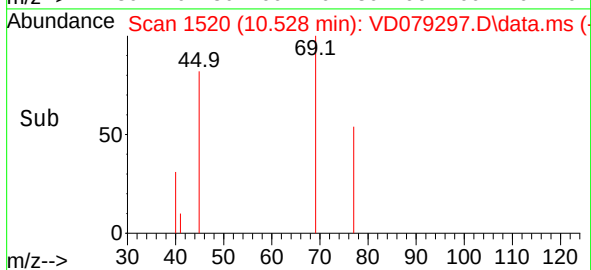
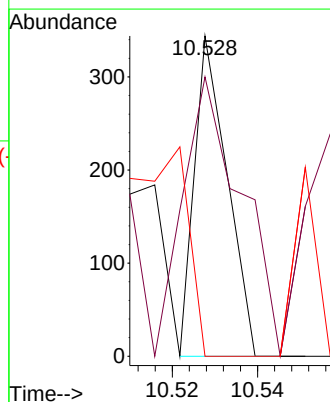
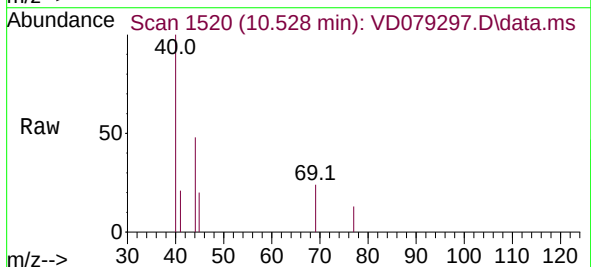
Instrument :
MSVOA_D
ClientSampleId :

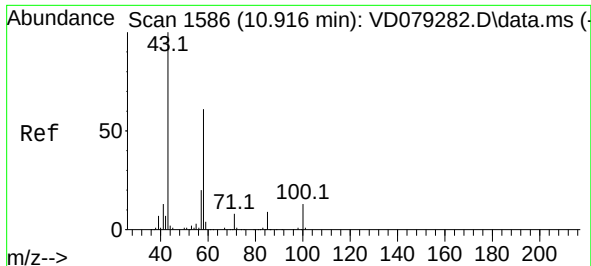
Tgt Ion: 43 Resp: 3478
Ion Ratio Lower Upper
43 100
58 34.3 36.6 55.0#



#56
Ethyl methacrylate
Concen: 3.811 ug/l
RT: 10.528 min Scan# 1520
Delta R.T. -0.065 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

Tgt Ion: 69 Resp: 184
Ion Ratio Lower Upper
69 100
41 154.3 39.8 59.6#
39 116.3 20.2 30.4#





#59

2-Hexanone

Concen: 3.714 ug/l

RT: 10.928 min Scan# 1588

Delta R.T. 0.006 min

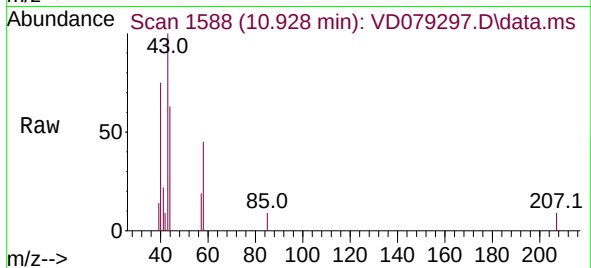
Lab File: VD079297.D

Acq: 01 Jul 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :

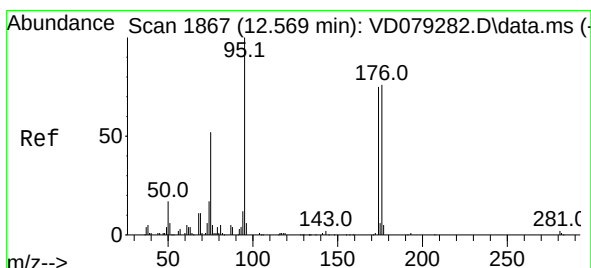
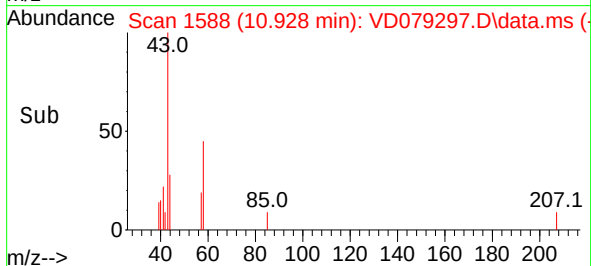
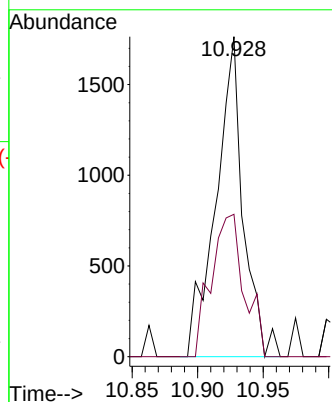


Tgt Ion: 43 Resp: 2550

Ion Ratio Lower Upper

43 100

58 54.1 31.1 93.5



#62

4-Bromofluorobenzene

Concen: 22.805 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD079297.D

Acq: 01 Jul 2024 15:45

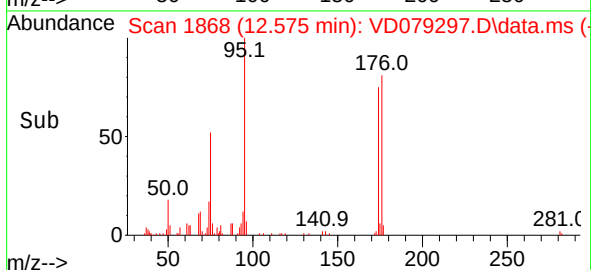
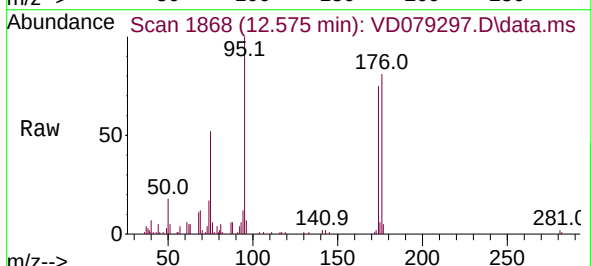
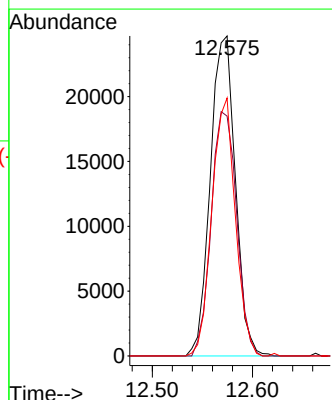
Tgt Ion: 95 Resp: 42826

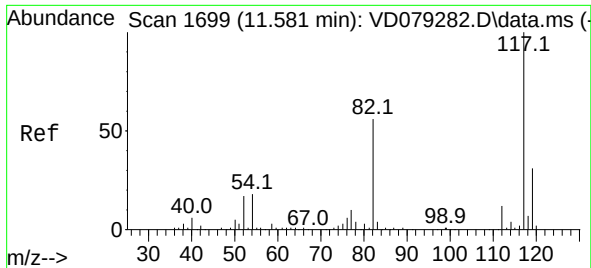
Ion Ratio Lower Upper

95 100

174 77.7 0.0 195.4

176 75.7 0.0 192.6

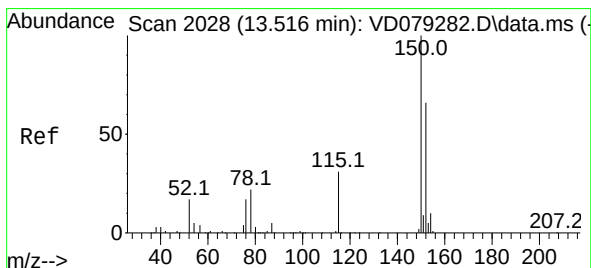
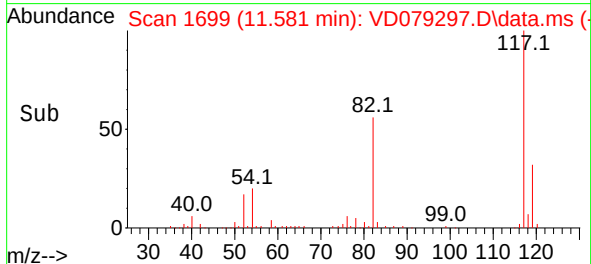
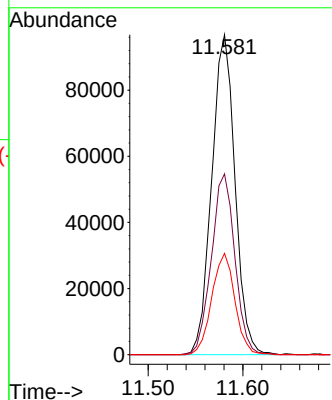
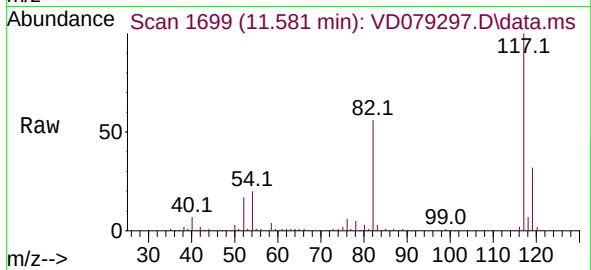




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

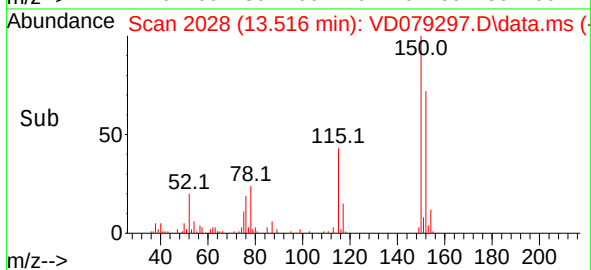
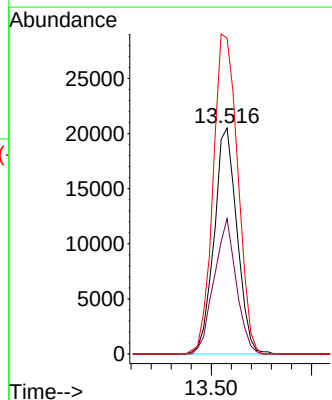
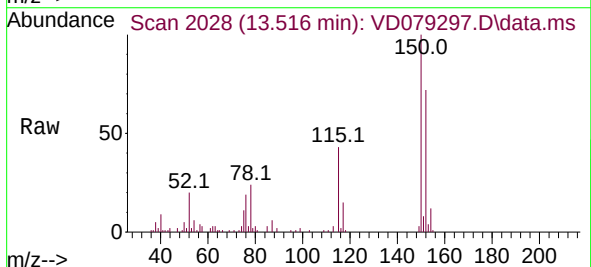
Instrument :
MSVOA_D
ClientSampleId :

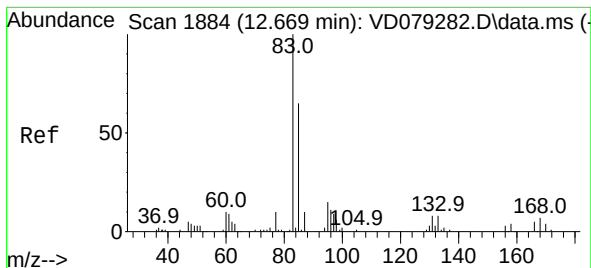
Tgt Ion:117 Resp: 165413
Ion Ratio Lower Upper
117 100
82 56.5 39.8 59.6
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

Tgt Ion:152 Resp: 32471
Ion Ratio Lower Upper
152 100
115 58.1 26.5 79.5
150 152.2 0.0 341.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.419 ug/l

RT: 12.680 min Scan# 1886

Delta R.T. 0.011 min

Lab File: VD079297.D

Acq: 01 Jul 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :

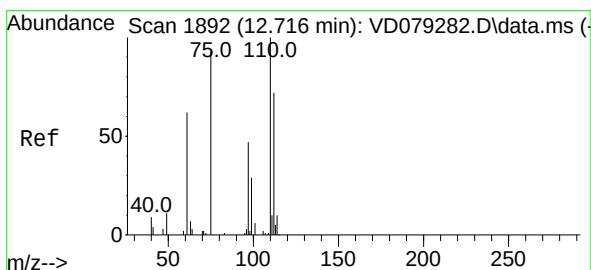
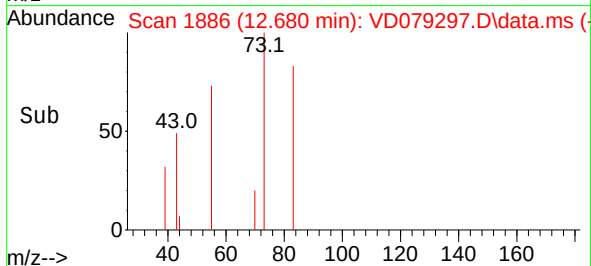
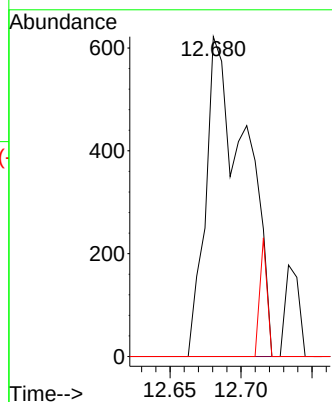
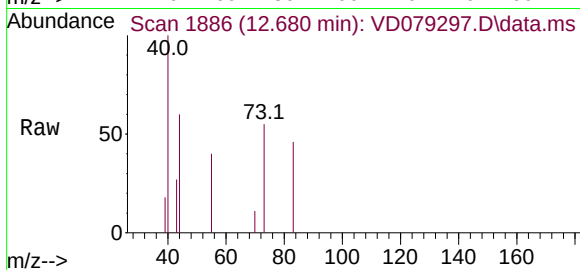
Tgt Ion: 83 Resp: 1217

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 0.0 33.8 101.3#



#76

1,2,3-Trichloropropane

Concen: 67.846 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD079297.D

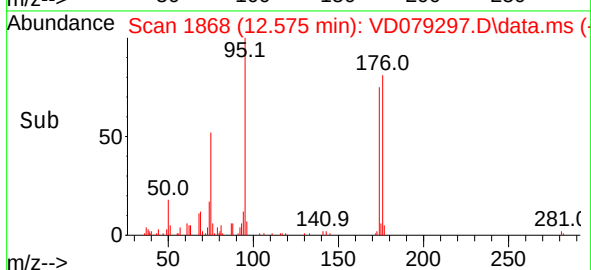
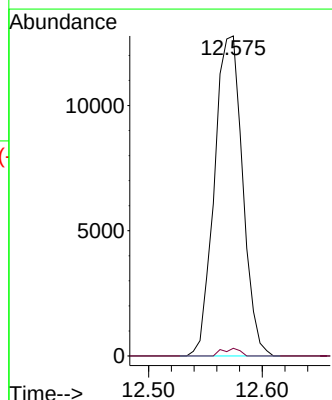
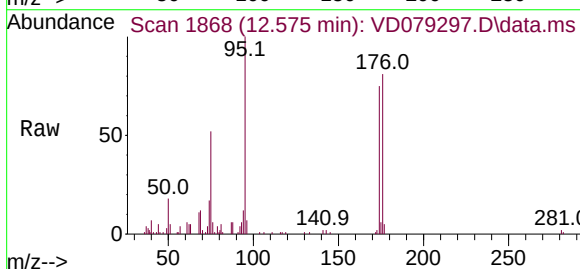
Acq: 01 Jul 2024 15:45

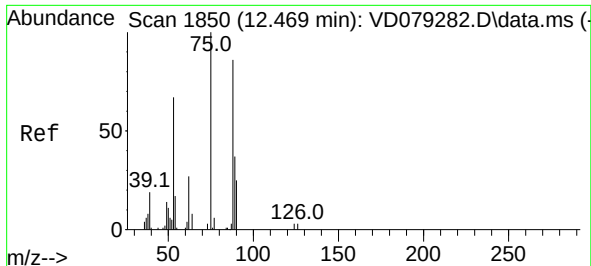
Tgt Ion: 75 Resp: 22047

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

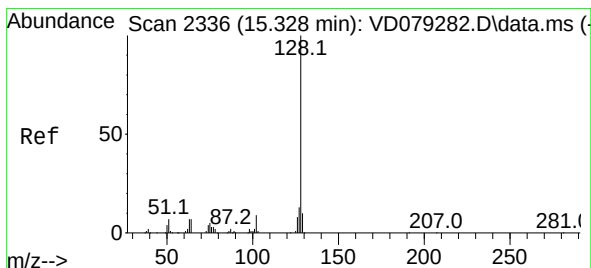
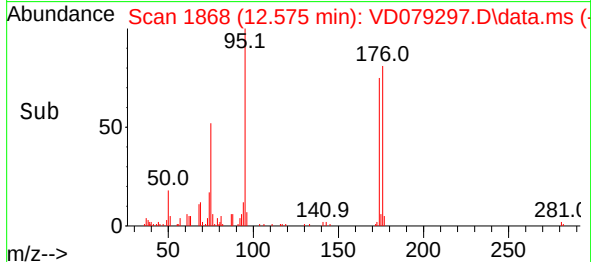
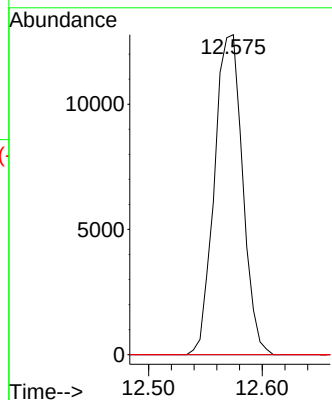
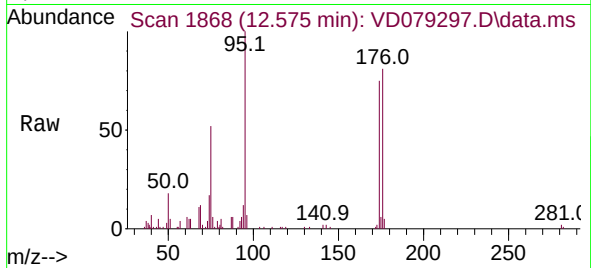




#81
trans-1,4-Dichloro-2-butene
Concen: 125.897 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 22047
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#95
Naphthalene
Concen: 9.286 ug/l
RT: 15.327 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD079297.D
Acq: 01 Jul 2024 15:45

Tgt Ion:128 Resp: 9603
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 17.1 8.5 12.7#

