

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122822\
 Data File : VD075075.D
 Acq On : 28 Dec 2022 19:34
 Operator : KP/SY
 Sample : N6231-04
 Misc : 5.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2S

Quant Time: Dec 29 03:54:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D12222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 23 05:54:19 2022
 Response via : Initial Calibration

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

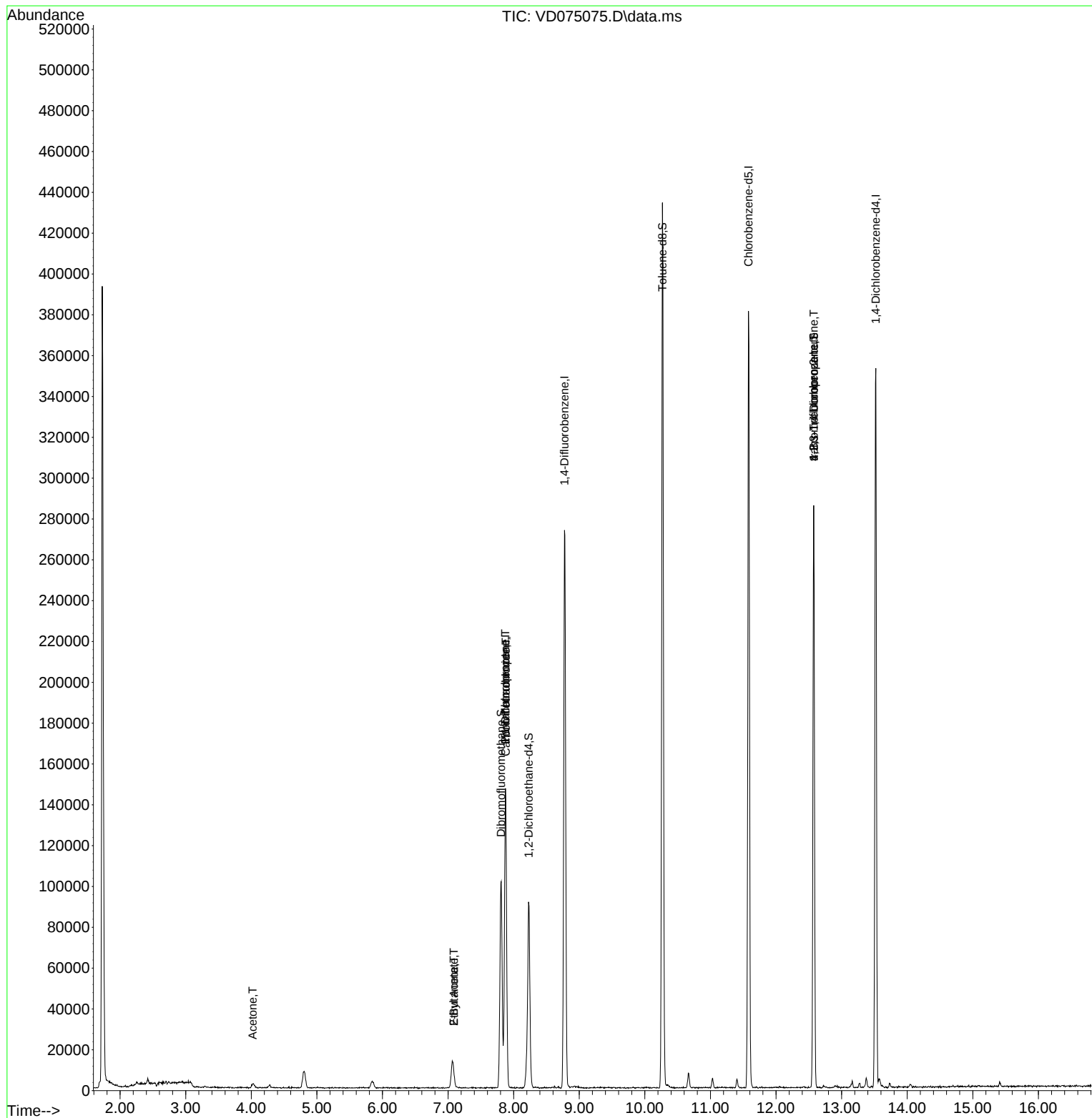
Internal Standards						
1) Pentafluorobenzene	7.875	168	109814	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	252471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	225478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	92789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	67392	62.784	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.560%	
35) Dibromofluoromethane	7.810	113	76003	51.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.320%	
50) Toluene-d8	10.269	98	302397	50.376	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	12.575	95	98421	50.611	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	351	Below Cal	#	41
5) Bromomethane	2.693	94	330	Below Cal	#	77
11) Tert butyl alcohol	5.040	59	60	Below Cal	#	84
16) Acetone	4.022	43	4303	15.435	ug/l	# 83
17) Carbon Disulfide	4.275	76	1368	Below Cal	#	75
18) Methyl Acetate	4.575	43	58	Below Cal	#	44
20) Methylene Chloride	4.805	84	6818	Below Cal	#	83
25) 2-Butanone	7.087	43	2572	6.913	ug/l	# 75
31) Cyclohexane	7.869	56	2691	Below Cal	#	49
36) 1,1-Dichloropropene	7.875	75	9095	4.739	ug/l	# 46
37) Ethyl Acetate	7.087	43	2572	2.653	ug/l	# 65
38) Carbon Tetrachloride	7.881	117	11238	6.773	ug/l	# 17
76) 1,2,3-Trichloropropane	12.575	75	49860	52.406	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	49860	121.459	ug/l	# 19

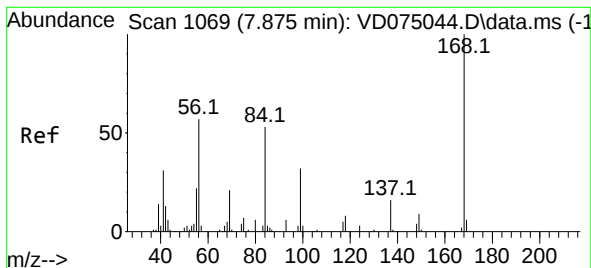
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 29 03:54:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 23 05:54:19 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 10

Delta R.T. 0.000 min

Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

Instrument :

MSVOA_D

ClientSampleId :

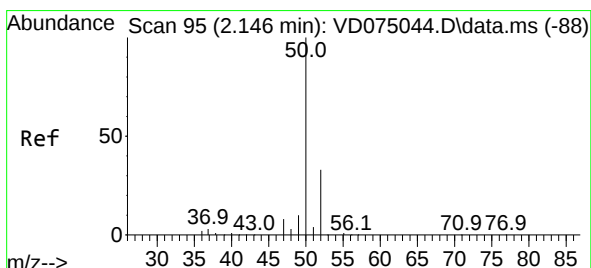
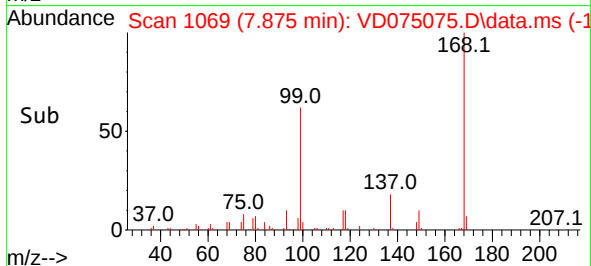
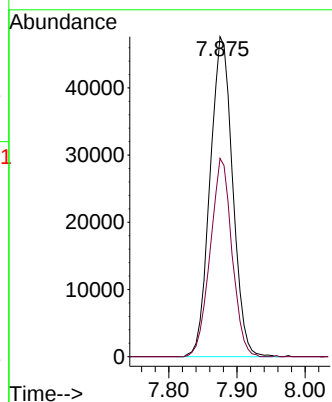
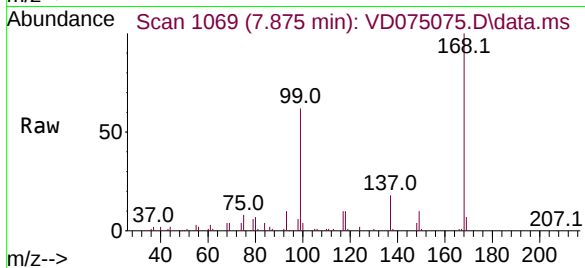
TP-2S

Tgt Ion:168 Resp: 109814

Ion Ratio Lower Upper

168 100

99 61.9 40.3 60.5#



#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 95

Delta R.T. -0.000 min

Lab File: VD075075.D

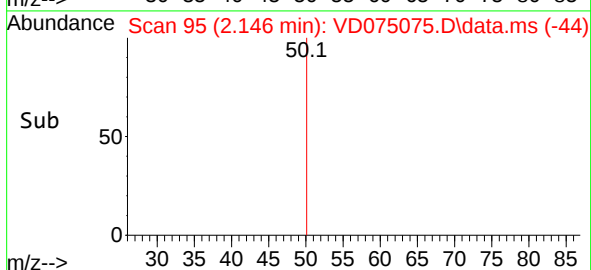
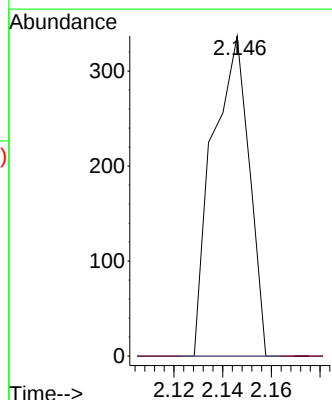
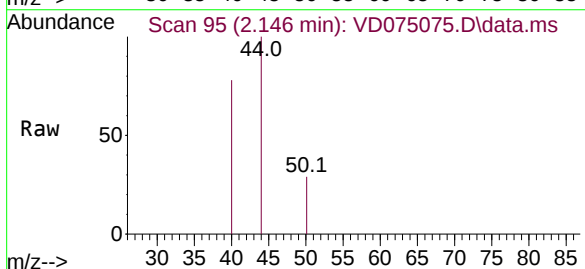
Acq: 28 Dec 2022 19:34

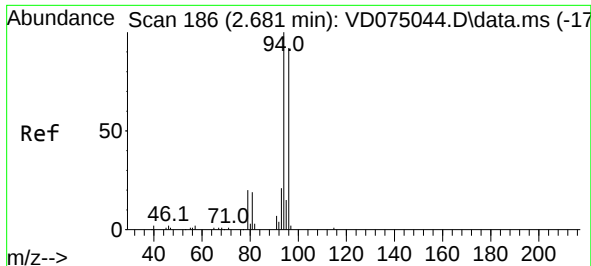
Tgt Ion: 50 Resp: 351

Ion Ratio Lower Upper

50 100

52 0.0 27.2 40.8#

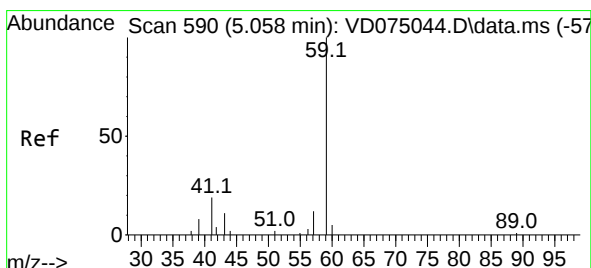
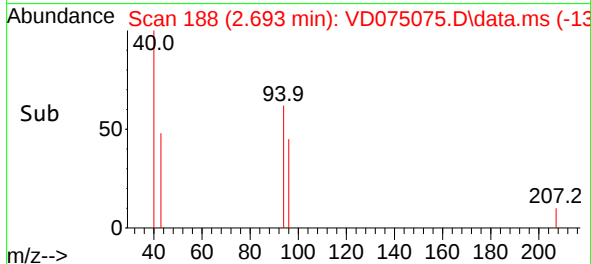
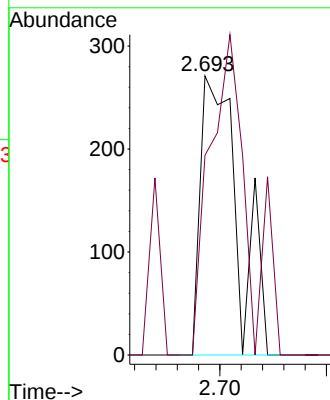
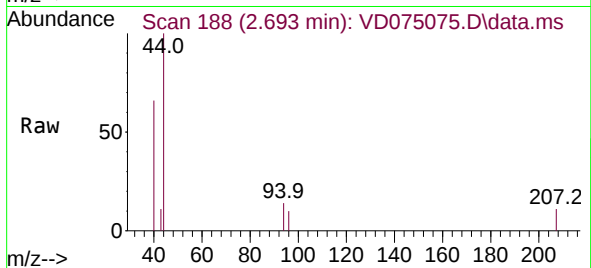




#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

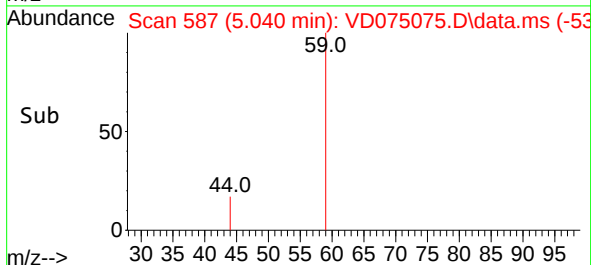
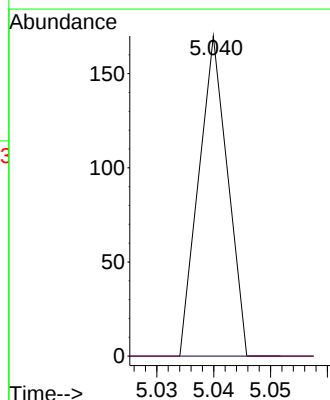
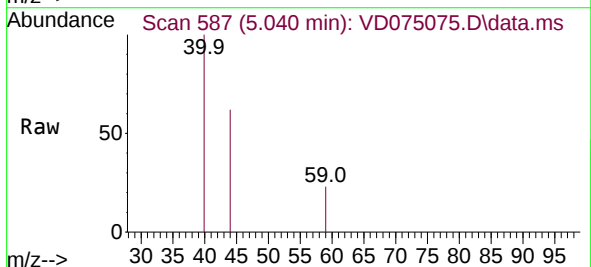
Instrument :
MSVOA_D
ClientSampleId :
TP-2S

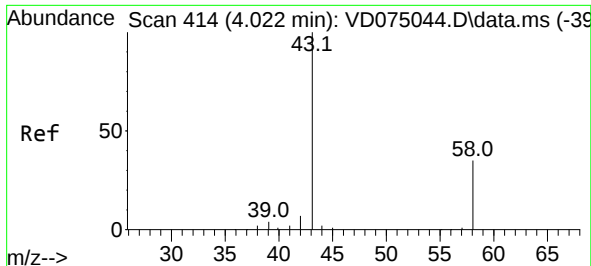
Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 116.4 75.2 112.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.040 min Scan# 587
Delta R.T. -0.012 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#





#16

Acetone

Concen: 15.435 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

Instrument :

MSVOA_D

ClientSampleId :

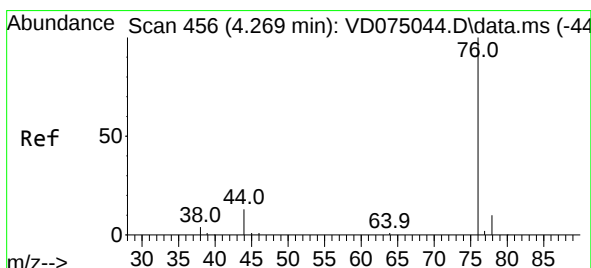
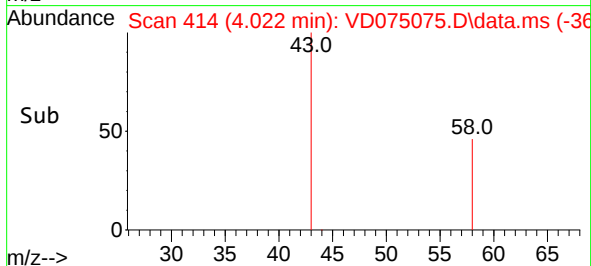
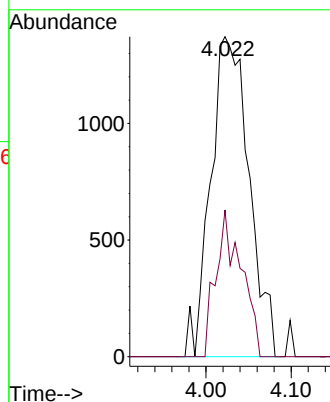
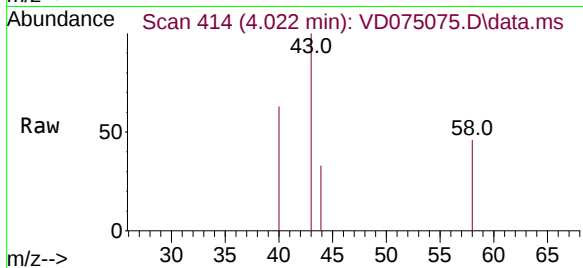
TP-2S

Tgt Ion: 43 Resp: 4303

Ion Ratio Lower Upper

43 100

58 45.8 28.6 43.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.275 min Scan# 457

Delta R.T. 0.011 min

Lab File: VD075075.D

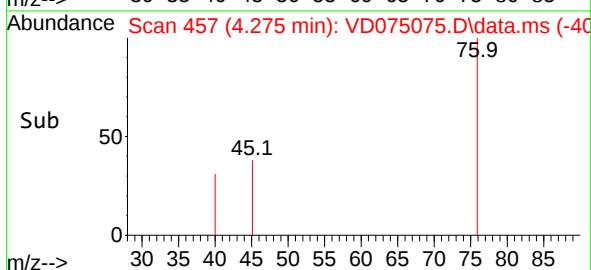
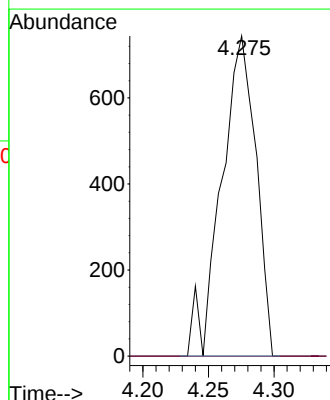
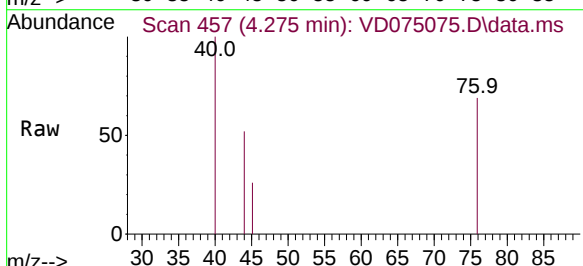
Acq: 28 Dec 2022 19:34

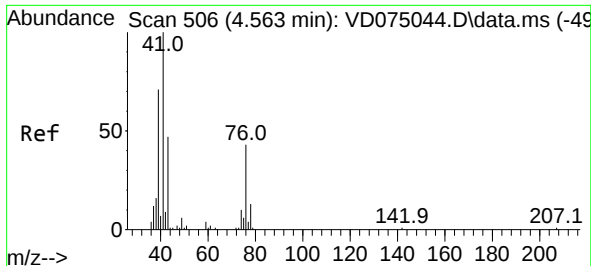
Tgt Ion: 76 Resp: 1368

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

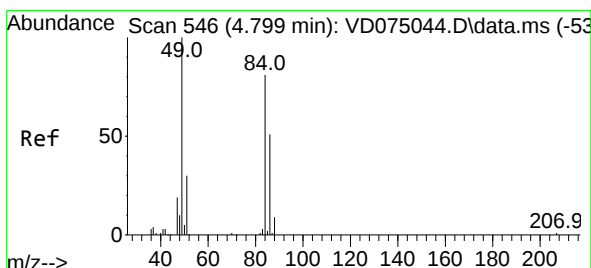
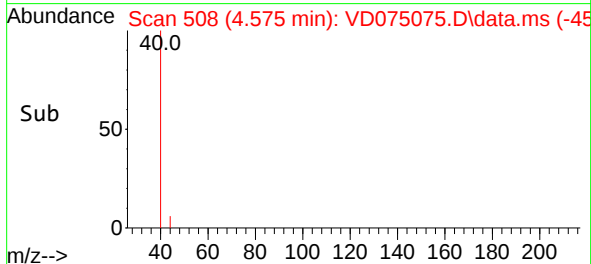
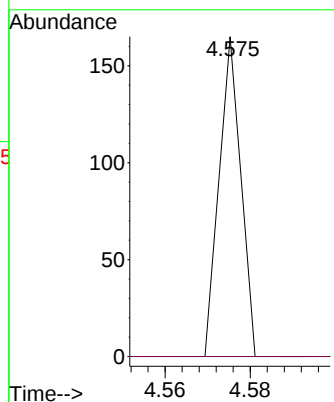
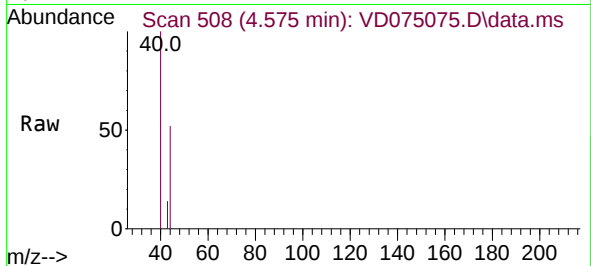




#18
Methyl Acetate
Concen: Below Cal
RT: 4.575 min Scan# 506
Delta R.T. 0.011 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

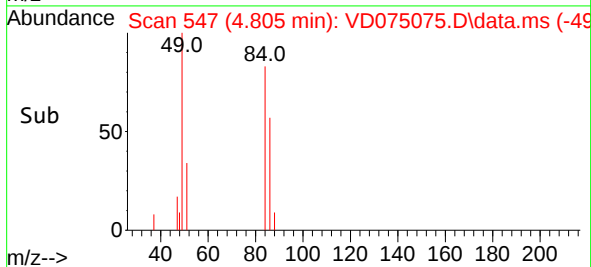
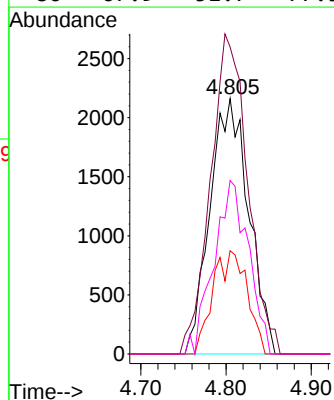
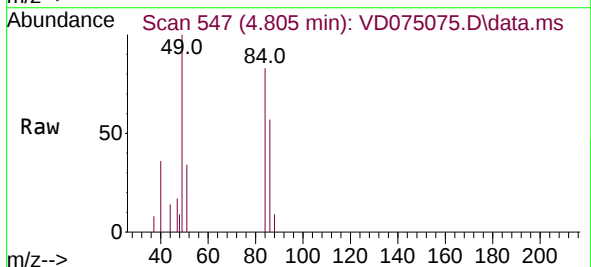
Instrument :
MSVOA_D
ClientSampleId :
TP-2S

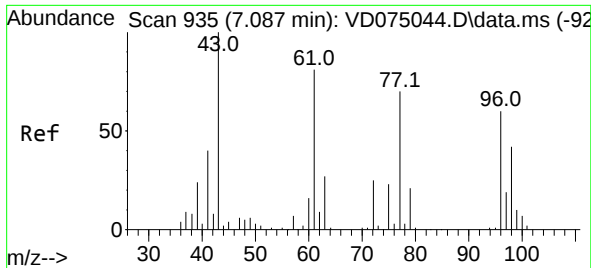
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.012 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

Tgt Ion: 84 Resp: 6818
Ion Ratio Lower Upper
84 100
49 120.2 77.2 115.8#
51 40.4 24.1 36.1#
86 67.9 51.7 77.5

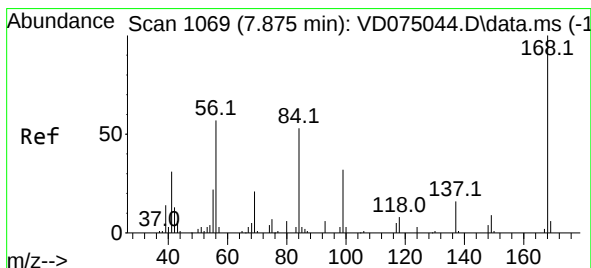
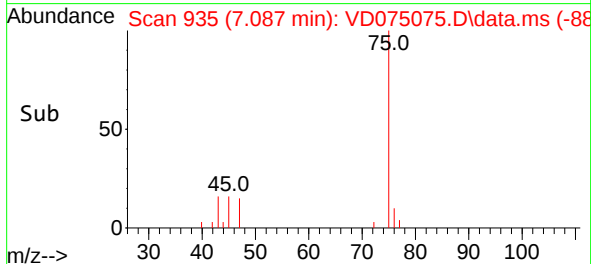
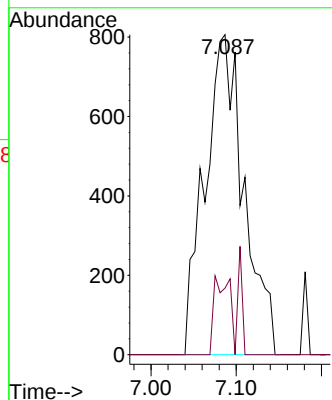
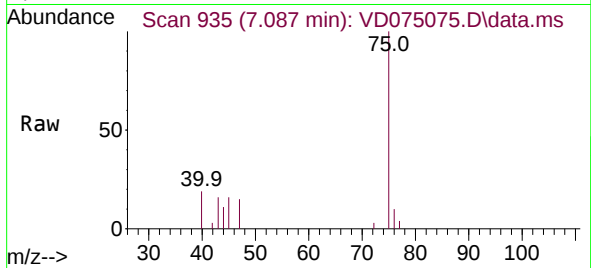




#25
2-Butanone
Concen: 6.913 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

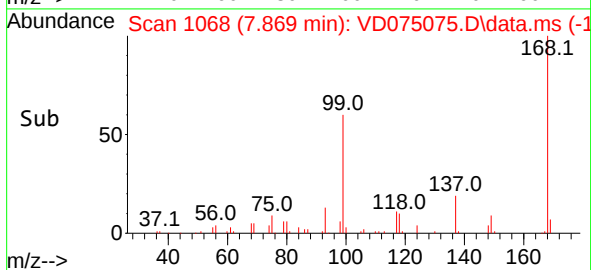
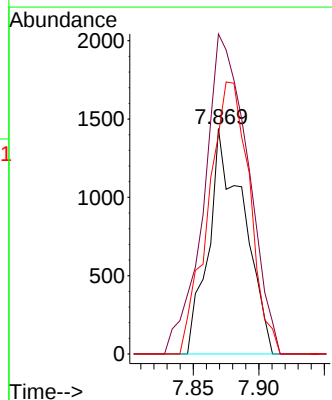
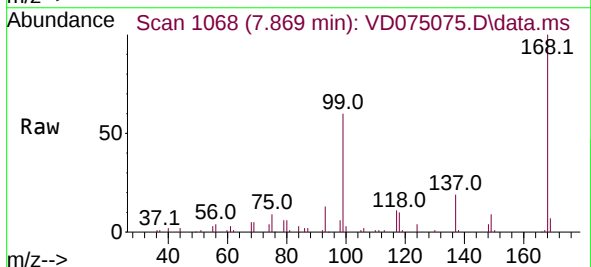
Instrument :
MSVOA_D
ClientSampleId :
TP-2S

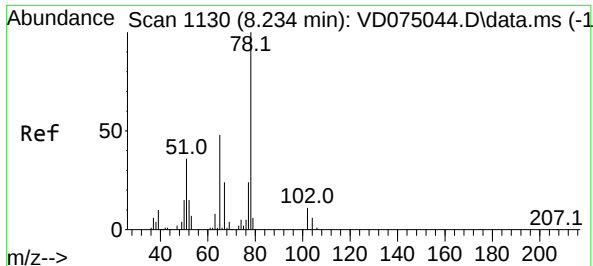
Tgt Ion: 43 Resp: 2572
Ion Ratio Lower Upper
43 100
72 20.8 28.4 42.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

Tgt Ion: 56 Resp: 2691
Ion Ratio Lower Upper
56 100
69 142.1 29.4 44.2#
84 97.2 81.8 122.8





#33

1,2-Dichloroethane-d4

Concen: 62.784 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

Instrument :

MSVOA_D

ClientSampleId :

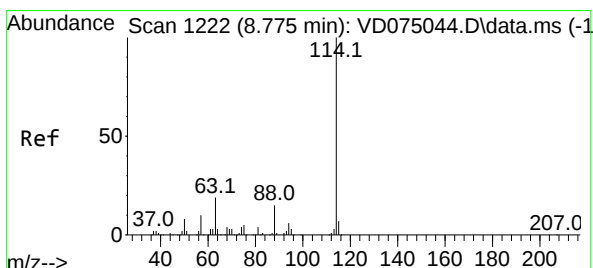
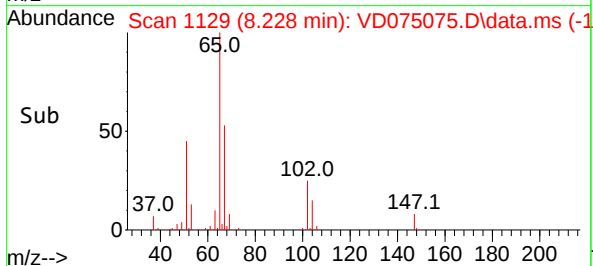
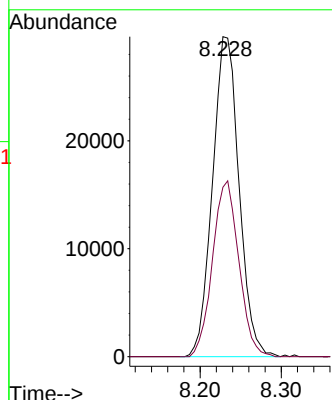
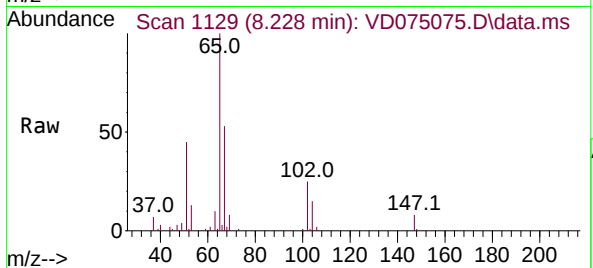
TP-2S

Tgt Ion: 65 Resp: 67392

Ion Ratio Lower Upper

65 100

67 54.4 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

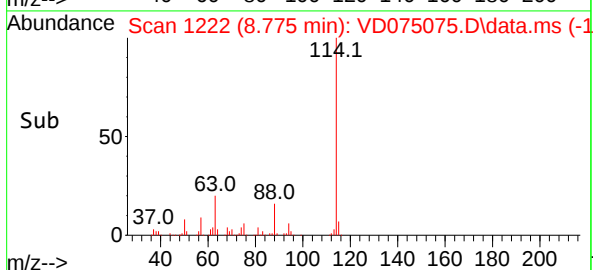
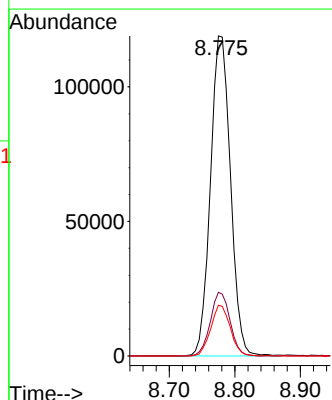
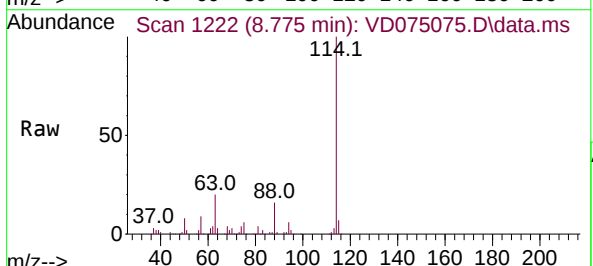
Tgt Ion: 114 Resp: 252471

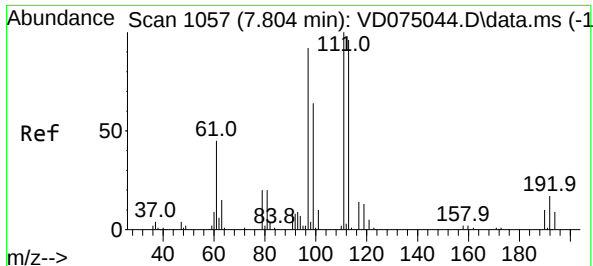
Ion Ratio Lower Upper

114 100

63 19.9 0.0 33.8

88 15.8 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.158 ug/l

RT: 7.810 min Scan# 1057

Delta R.T. 0.005 min

Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

Instrument :

MSVOA_D

ClientSampleId :

TP-2S

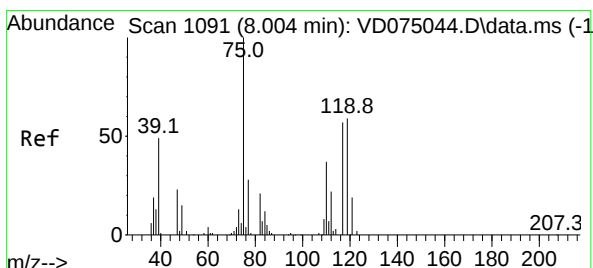
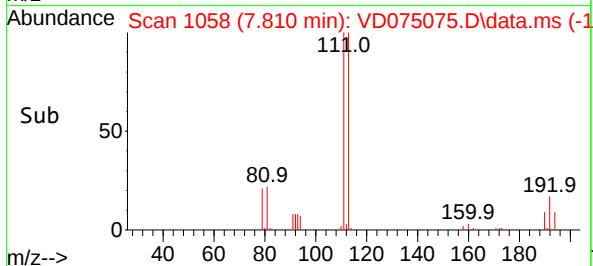
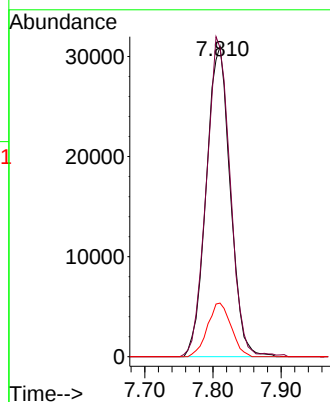
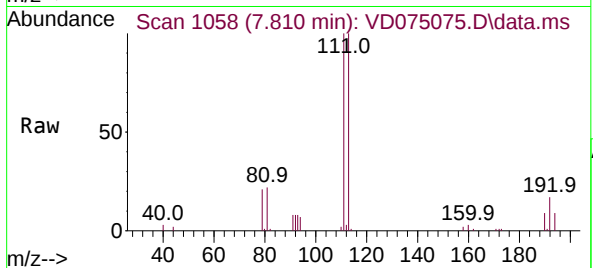
Tgt Ion:113 Resp: 76003

Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

192 17.0 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.739 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

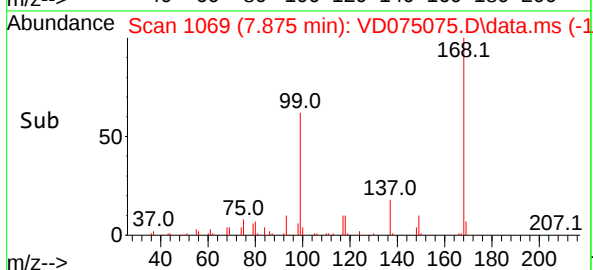
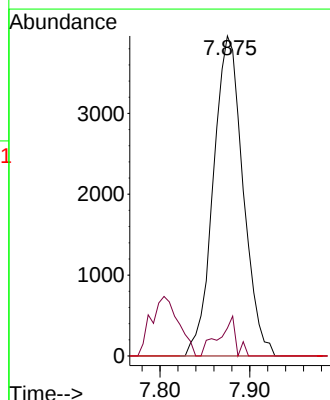
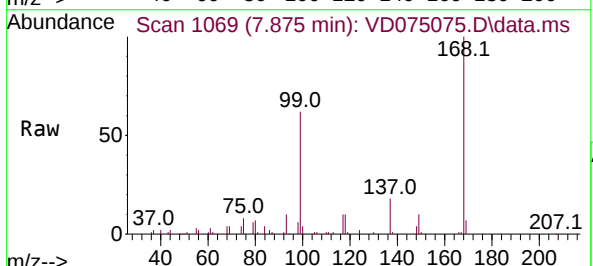
Tgt Ion: 75 Resp: 9095

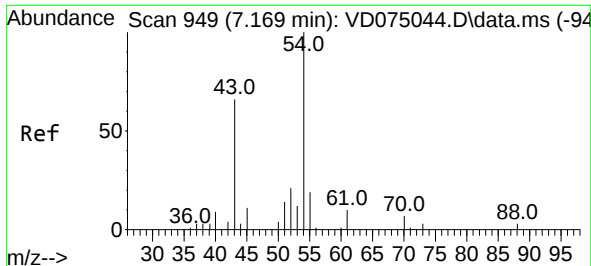
Ion Ratio Lower Upper

75 100

110 7.2 19.0 57.0#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 2.653 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.082 min

Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

Instrument :

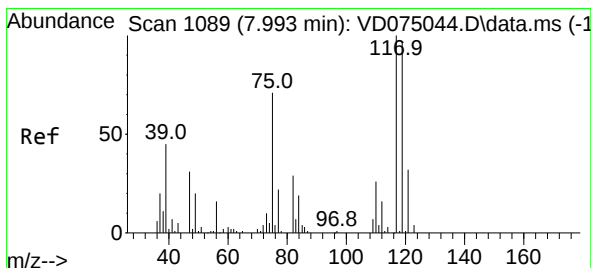
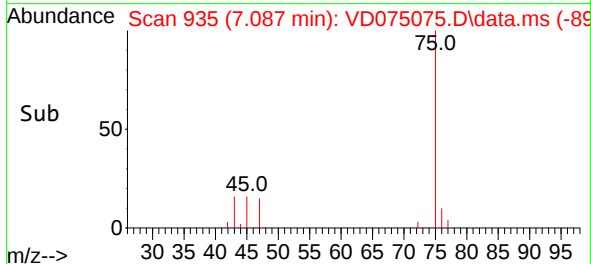
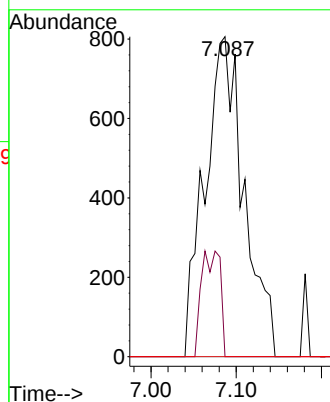
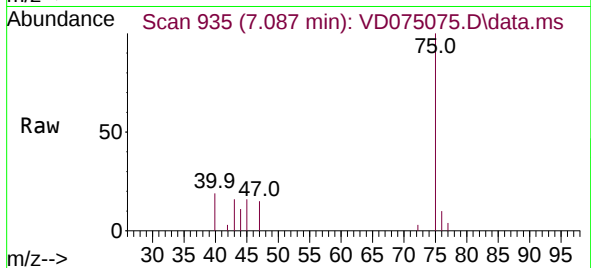
MSVOA_D

ClientSampleId :

TP-2S

Tgt Ion: 43 Resp: 2572

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.2	15.4#



#38

Carbon Tetrachloride

Concen: 6.773 ug/l

RT: 7.881 min Scan# 1070

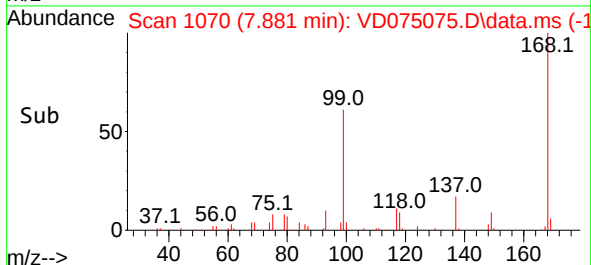
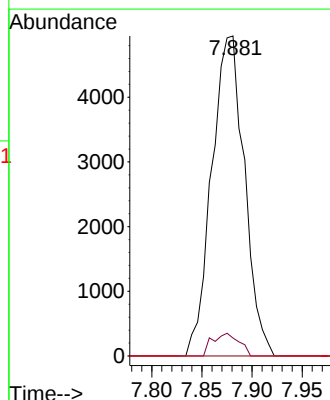
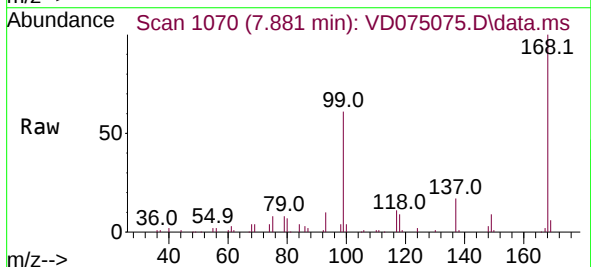
Delta R.T. -0.112 min

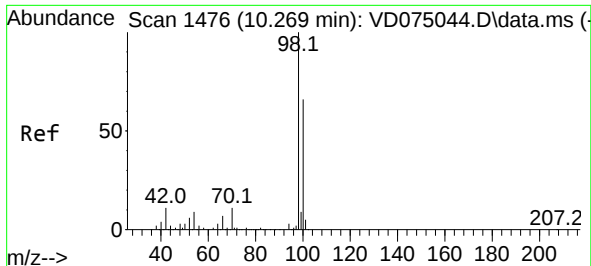
Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

Tgt Ion: 117 Resp: 11238

Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.8	113.6#
121	0.0	25.4	38.0#

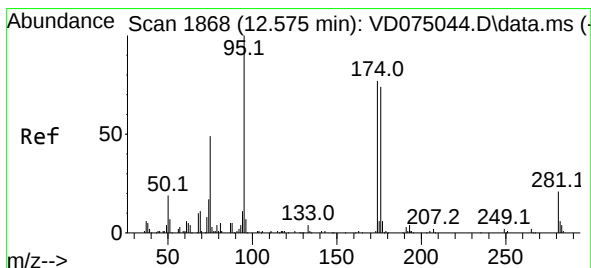
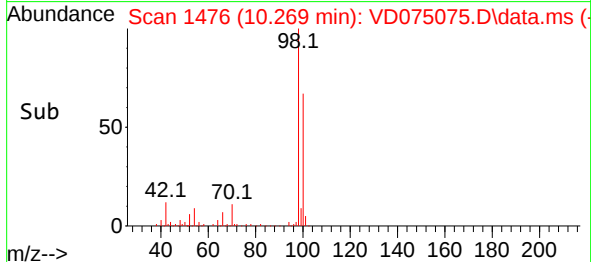
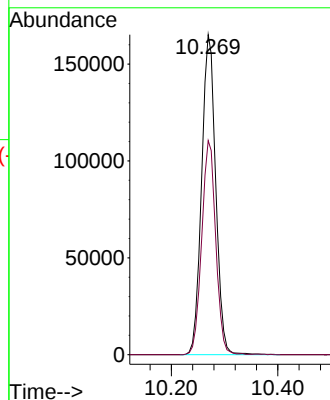
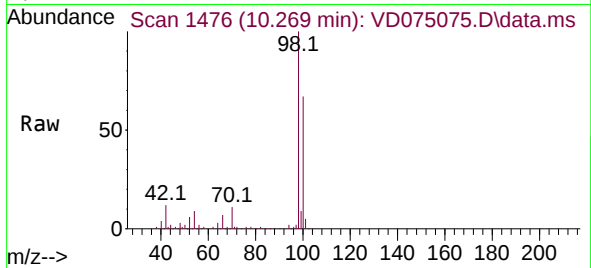




#50
Toluene-d8
Concen: 50.376 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

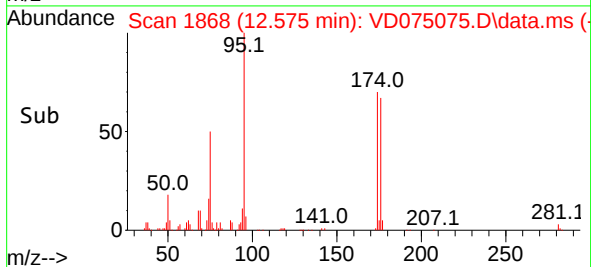
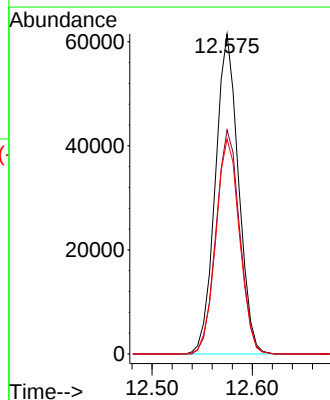
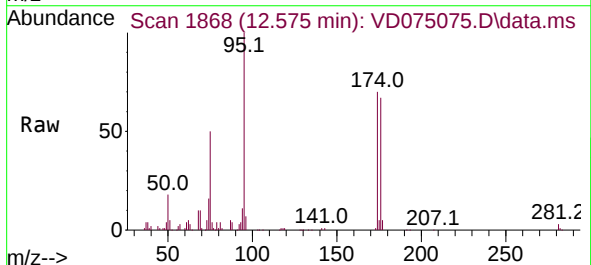
Instrument :
MSVOA_D
ClientSampleId :
TP-2S

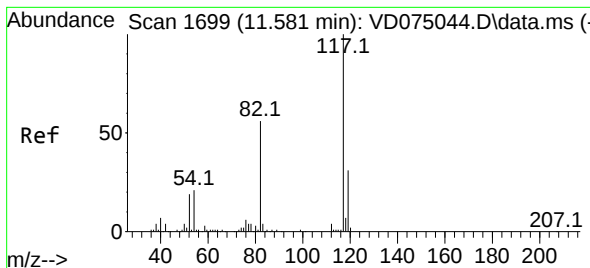
Tgt Ion: 98 Resp: 302397
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 50.611 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

Tgt Ion: 95 Resp: 98421
Ion Ratio Lower Upper
95 100
174 71.5 0.0 171.2
176 69.0 0.0 165.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

Instrument :

MSVOA_D

ClientSampleId :

TP-2S

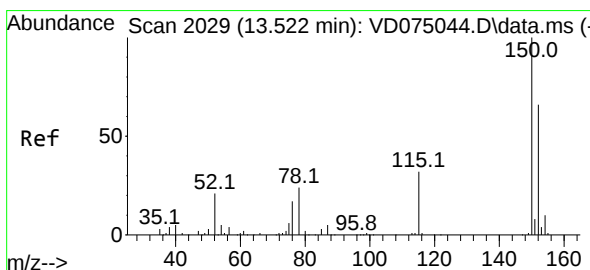
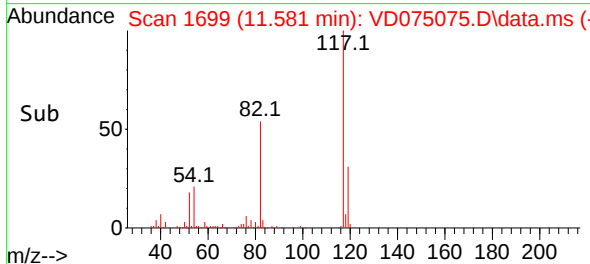
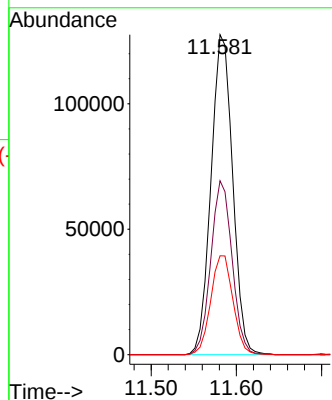
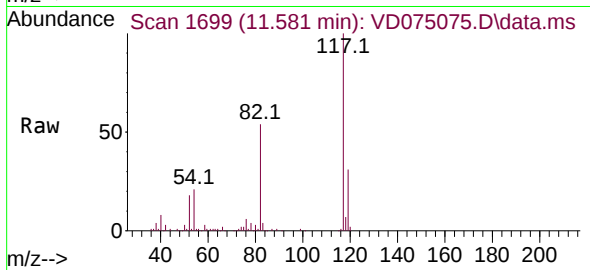
Tgt Ion:117 Resp: 225478

Ion Ratio Lower Upper

117 100

82 54.3 40.9 61.3

119 30.9 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD075075.D

Acq: 28 Dec 2022 19:34

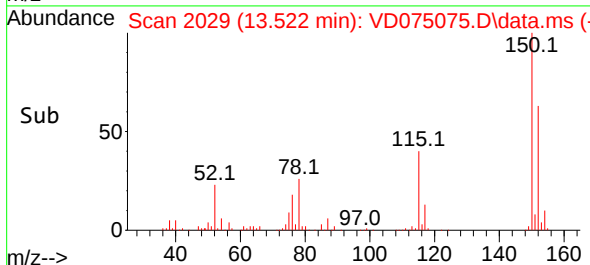
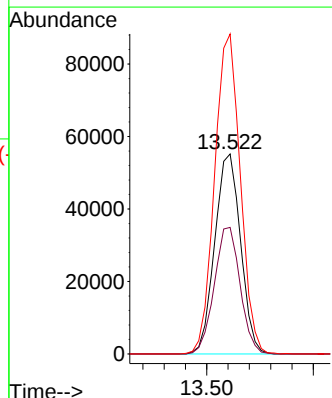
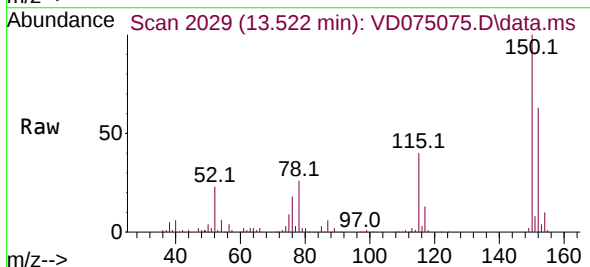
Tgt Ion:152 Resp: 92789

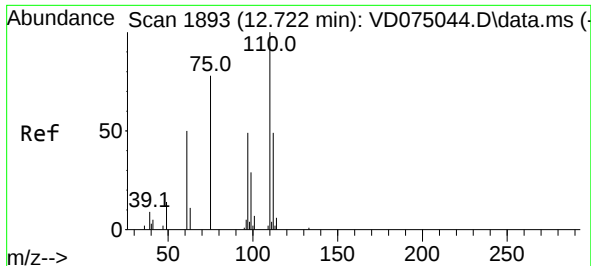
Ion Ratio Lower Upper

152 100

115 63.3 28.8 86.5

150 159.0 0.0 354.2

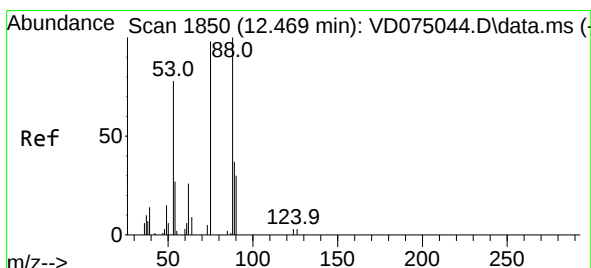
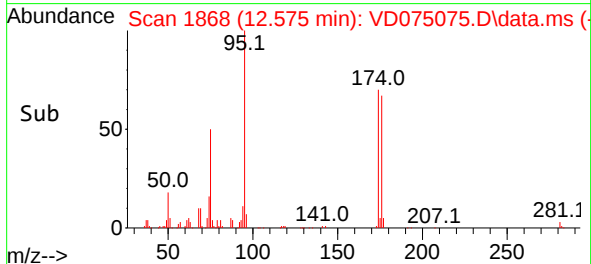
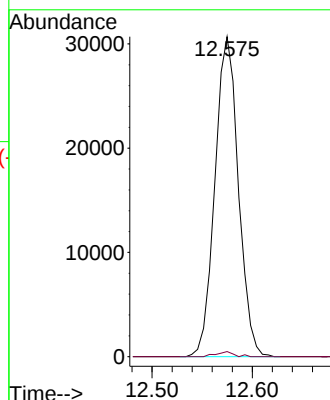
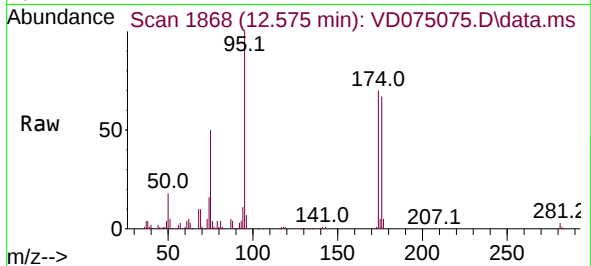




#76
1,2,3-Trichloropropane
Concen: 52.406 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

Instrument :
MSVOA_D
ClientSampleId :
TP-2S

Tgt Ion: 75 Resp: 49860
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.459 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075075.D
Acq: 28 Dec 2022 19:34

Tgt Ion: 75 Resp: 49860
Ion Ratio Lower Upper
75 100
53 0.0 60.0 90.0#
89 0.0 37.4 56.0#

