

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122722\
 Data File : VD075056.D
 Acq On : 27 Dec 2022 16:44
 Operator : KP/SY
 Sample : N6161-08RE
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 N40305RE

Quant Time: Dec 28 01:53:42 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)

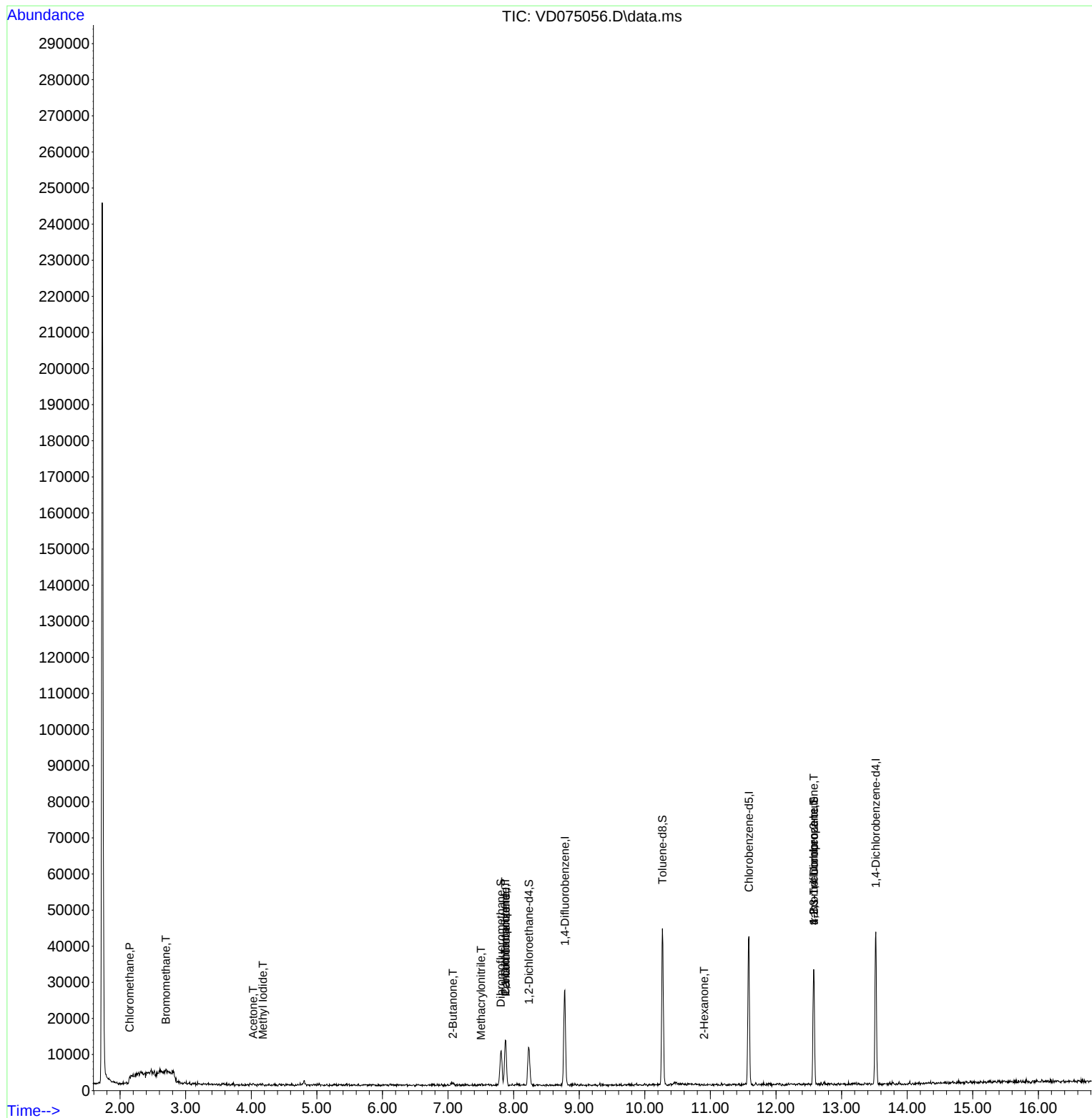
Internal Standards						
1) Pentafluorobenzene	7.881	168	10283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	23648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	24220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	11632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	8458	84.148	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 168.300%#	
35) Dibromofluoromethane	7.805	113	7152	51.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.800%	
50) Toluene-d8	10.269	98	29722	52.862	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.720%	
62) 4-Bromofluorobenzene	12.575	95	11450	62.861	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 125.720%	
Target Compounds						
						Qvalue
3) Chloromethane	2.146	50	457	1.168	ug/l #	41
5) Bromomethane	2.699	94	372	5.963	ug/l #	71
10) Methyl Iodide	4.175	142	211	2.666	ug/l #	44
16) Acetone	4.028	43	197	7.546	ug/l #	39
18) Methyl Acetate	4.493	43	57	Below Cal	#	44
20) Methylene Chloride	4.811	84	470	Below Cal	#	76
25) 2-Butanone	7.075	43	54	1.550	ug/l #	39
31) Cyclohexane	7.869	56	58	Below Cal	#	55
36) 1,1-Dichloropropene	7.875	75	765	4.256	ug/l #	40
38) Carbon Tetrachloride	7.875	117	936	6.022	ug/l #	13
41) Methacrylonitrile	7.505	41	60	1.062	ug/l #	18
59) 2-Hexanone	10.904	43	72	1.097	ug/l #	20
76) 1,2,3-Trichloropropane	12.575	75	5831	48.890	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	5831	113.309	ug/l #	19

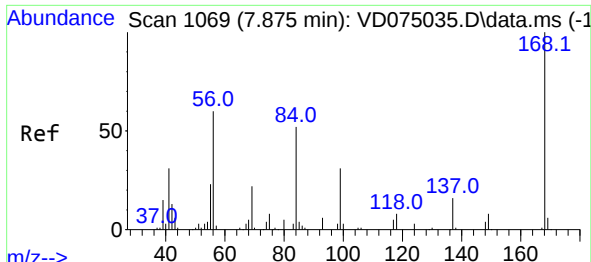
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122722\
Data File : VD075056.D
Acq On : 27 Dec 2022 16:44
Operator : KP/SY
Sample : N6161-08RE
Misc : 5.08G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
N40305RE

Quant Time: Dec 28 01:53:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 23 05:54:19 2022
Response via : Initial Calibration

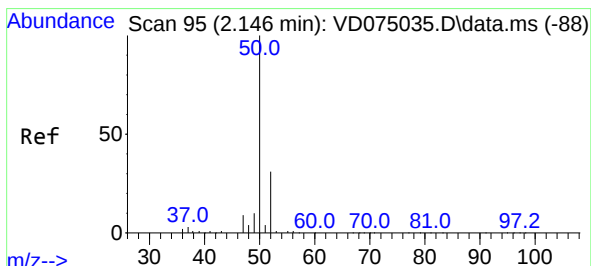
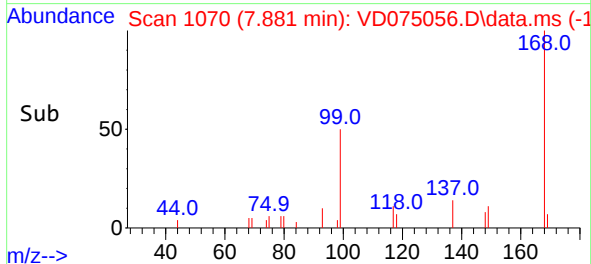
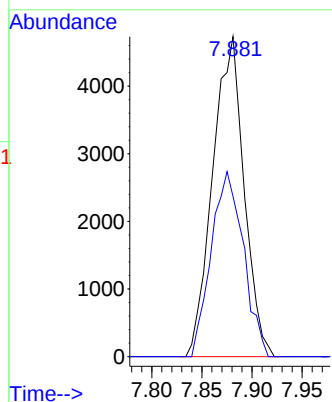
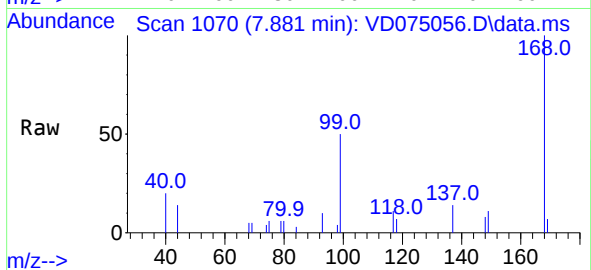




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

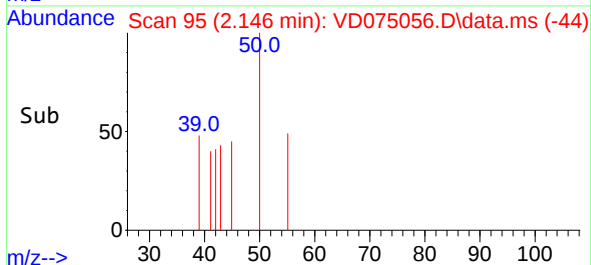
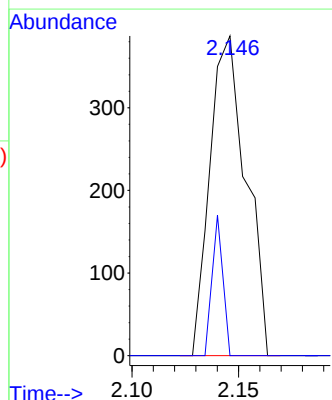
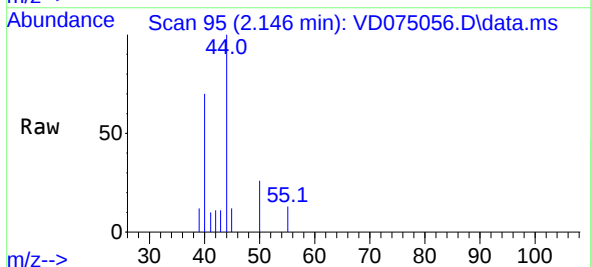
Instrument :
MSVOA_D
ClientSampleId :
N40305RE

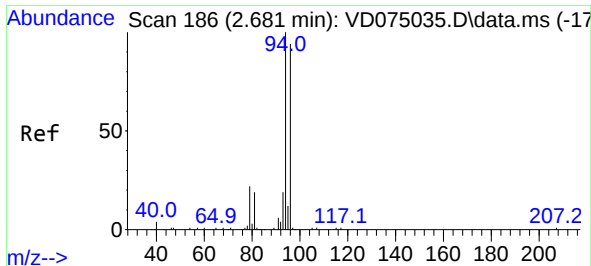
Tgt Ion:168 Resp: 10283
Ion Ratio Lower Upper
168 100
99 50.1 40.3 60.5



#3
Chloromethane
Concen: 1.168 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Tgt Ion: 50 Resp: 457
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

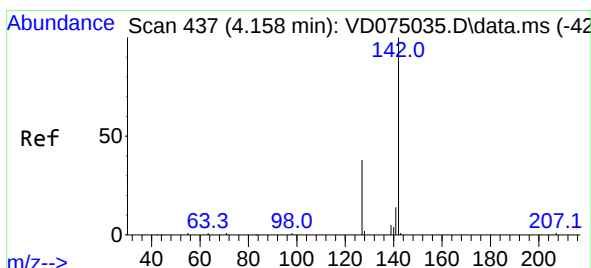
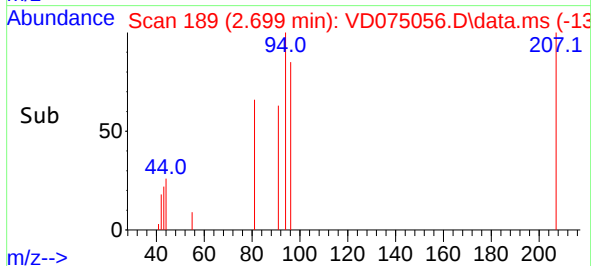
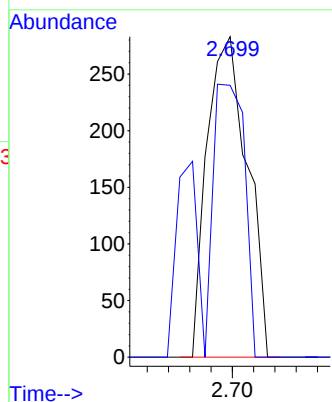
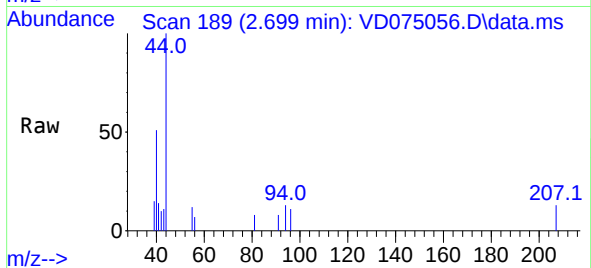




#5
Bromomethane
Concen: 5.963 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

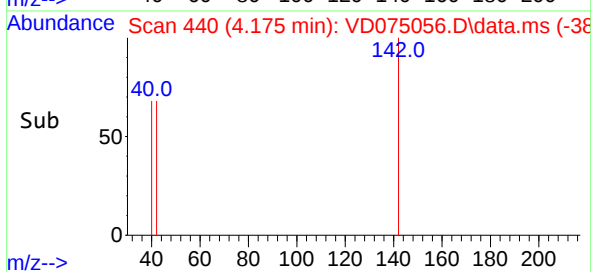
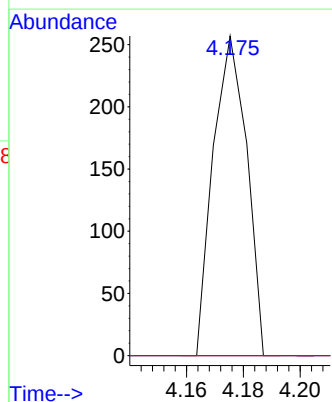
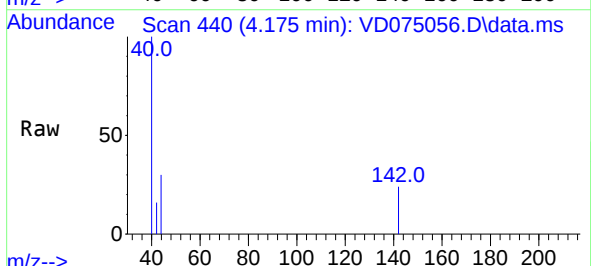
Instrument :
MSVOA_D
ClientSampleId :
N40305RE

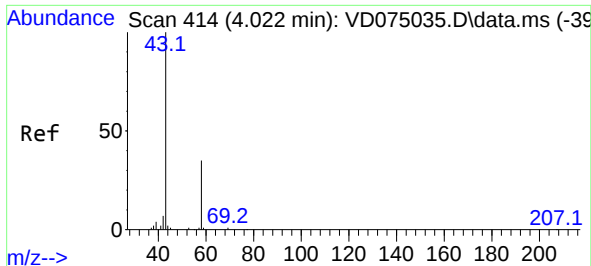
Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 66.1 75.2 112.8#



#10
Methyl Iodide
Concen: 2.666 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.017 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Tgt Ion: 142 Resp: 211
Ion Ratio Lower Upper
142 100
127 0.0 31.4 47.2#
141 0.0 11.4 17.2#

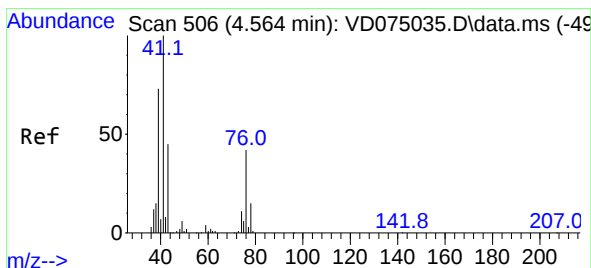
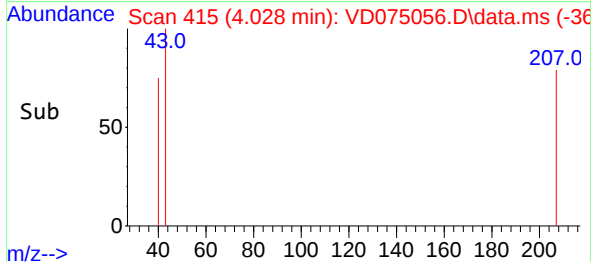
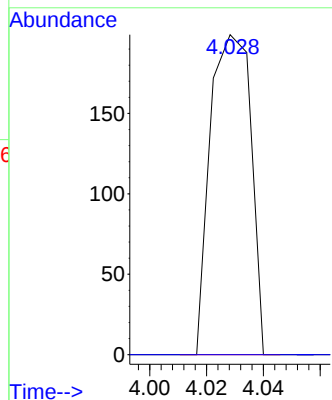
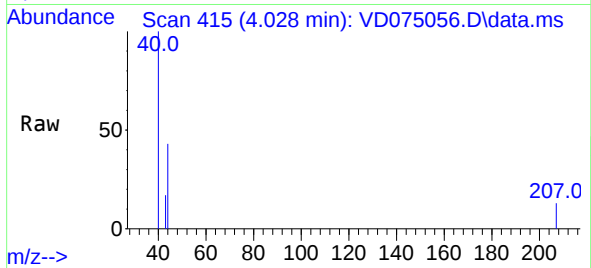




#16
Acetone
Concen: 7.546 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

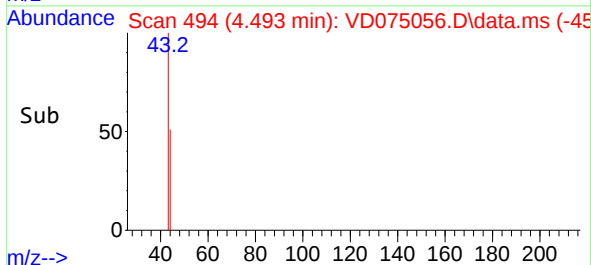
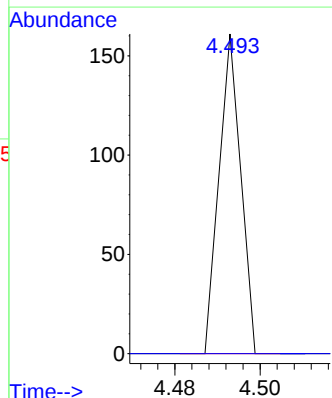
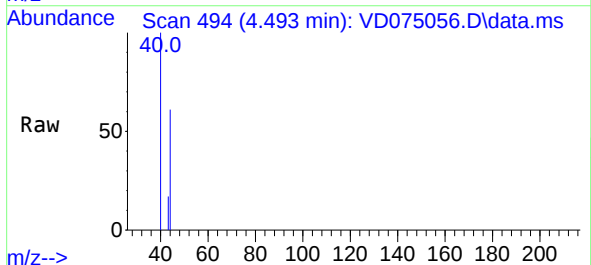
Instrument :
MSVOA_D
ClientSampleId :
N40305RE

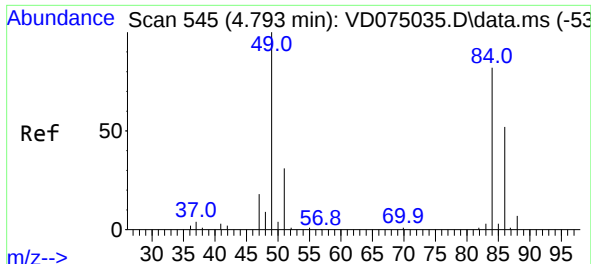
Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.493 min Scan# 494
Delta R.T. -0.071 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#



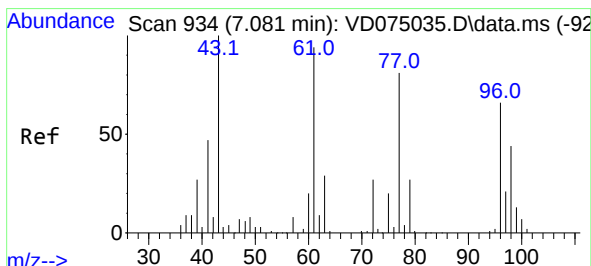
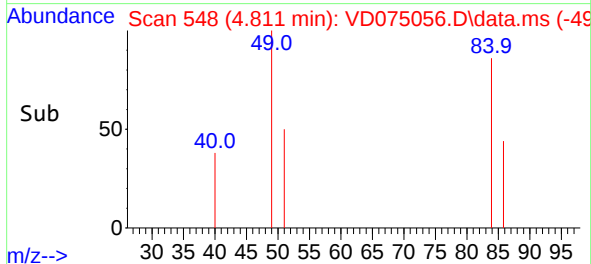
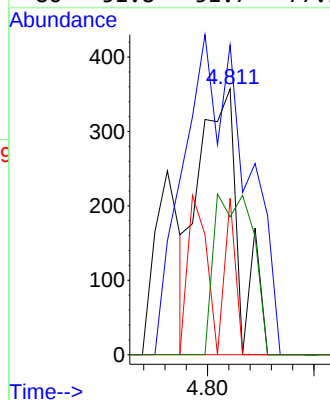
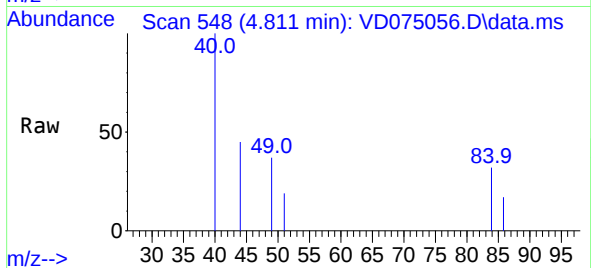


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 54
Delta R.T. 0.018 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Instrument :
MSVOA_D
ClientSampleId :
N40305RE

Tgt Ion: 84 Resp: 470

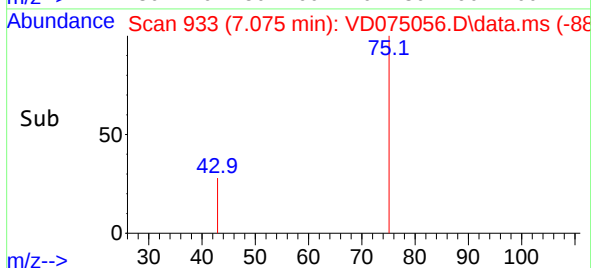
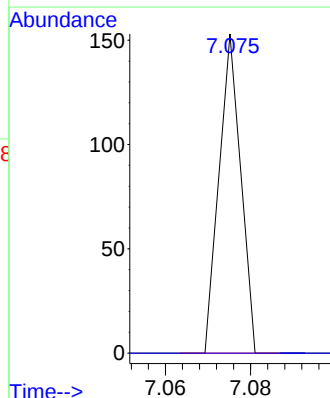
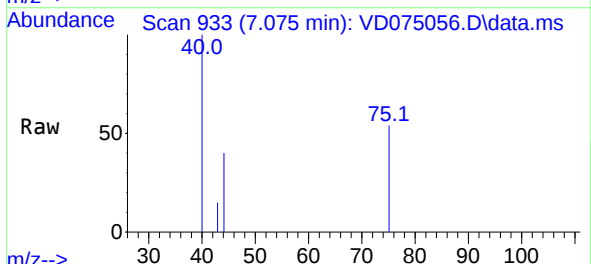
Ion	Ratio	Lower	Upper
84	100		
49	116.5	77.2	115.8#
51	58.8	24.1	36.1#
86	51.8	51.7	77.5

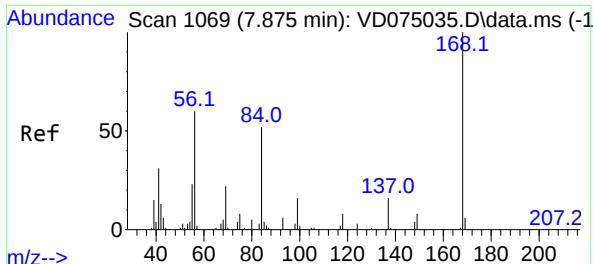


#25
2-Butanone
Concen: 1.550 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Tgt Ion: 43 Resp: 54

Ion	Ratio	Lower	Upper
43	100		
72	0.0	28.4	42.6#





#31

Cyclohexane

Concen: Below Cal

RT: 7.869 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VD075056.D

Acq: 27 Dec 2022 16:44

Instrument :

MSVOA_D

ClientSampleId :

N40305RE

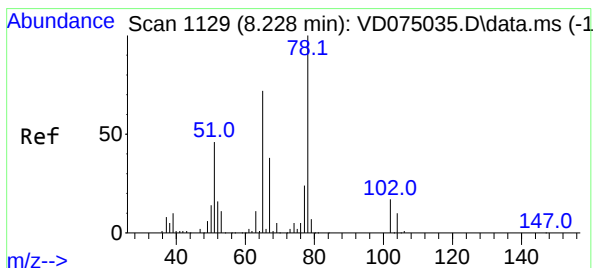
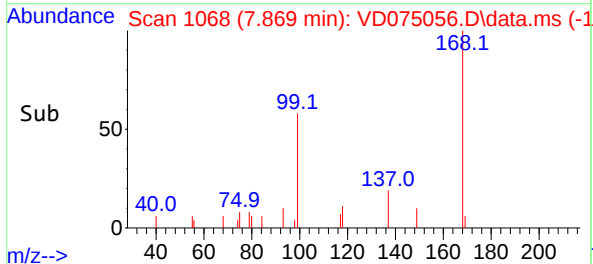
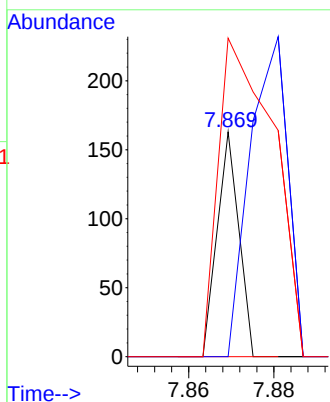
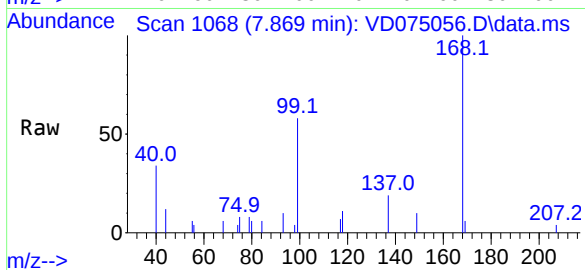
Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

69 0.0 29.4 44.2#

84 141.7 81.8 122.8#



#33

1,2-Dichloroethane-d4

Concen: 84.148 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD075056.D

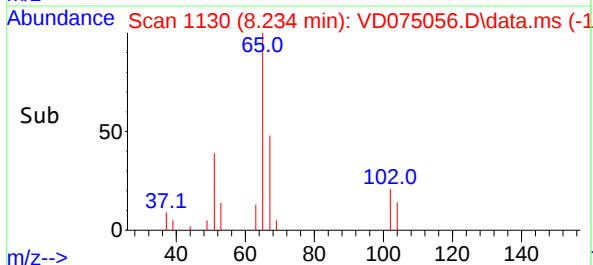
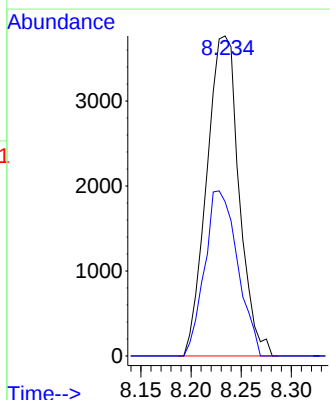
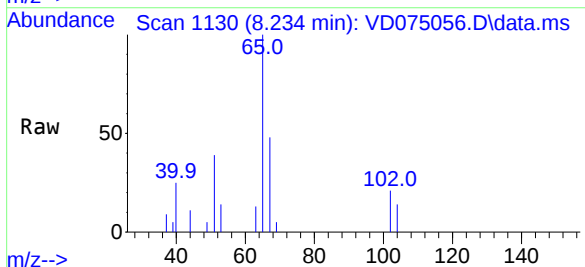
Acq: 27 Dec 2022 16:44

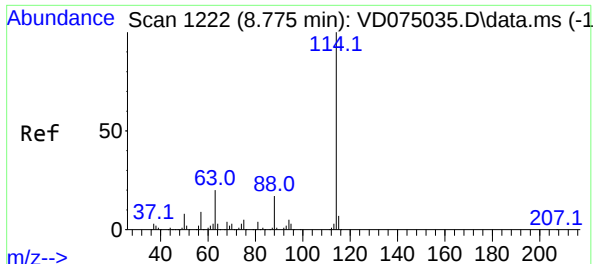
Tgt Ion: 65 Resp: 8458

Ion Ratio Lower Upper

65 100

67 52.4 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075056.D

Acq: 27 Dec 2022 16:44

Instrument :

MSVOA_D

ClientSampleId :

N40305RE

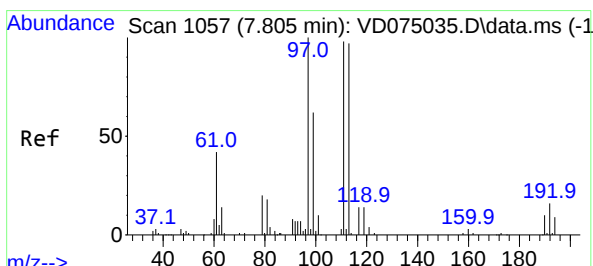
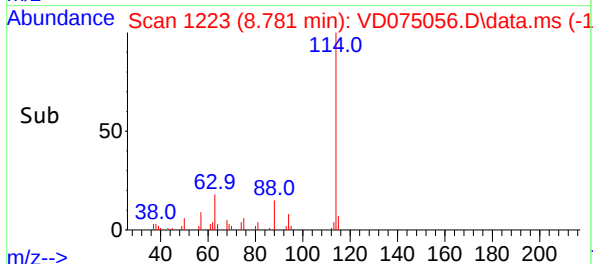
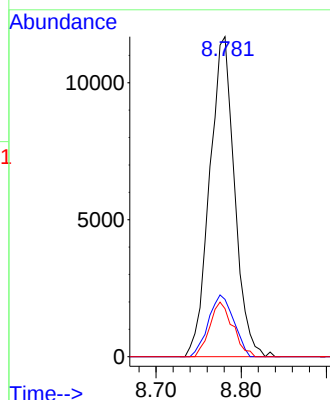
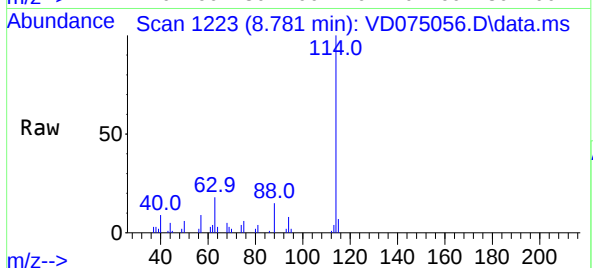
Tgt Ion:114 Resp: 23648

Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.8

88 15.0 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.396 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075056.D

Acq: 27 Dec 2022 16:44

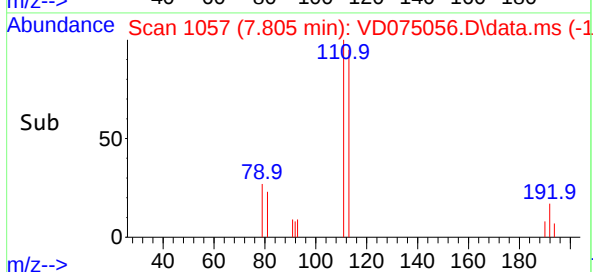
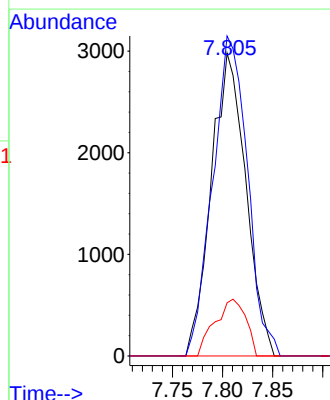
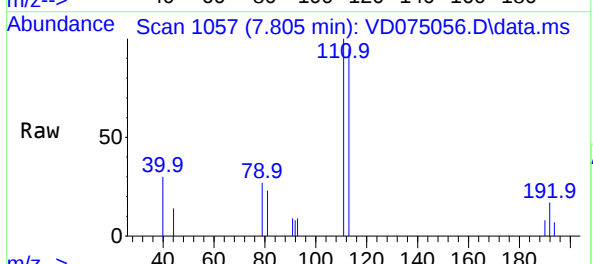
Tgt Ion:113 Resp: 7152

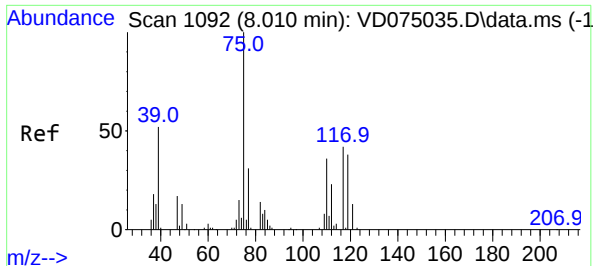
Ion Ratio Lower Upper

113 100

111 106.0 82.1 123.1

192 16.8 15.1 22.7

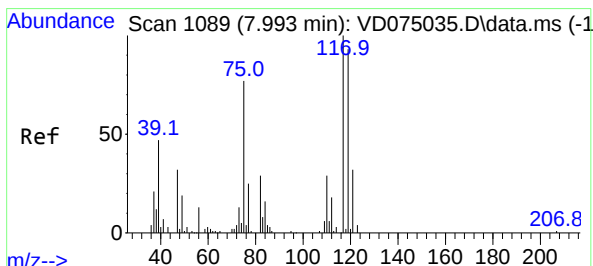
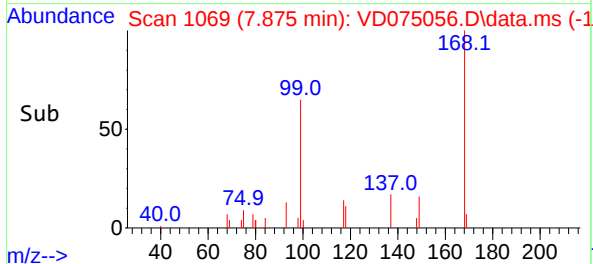
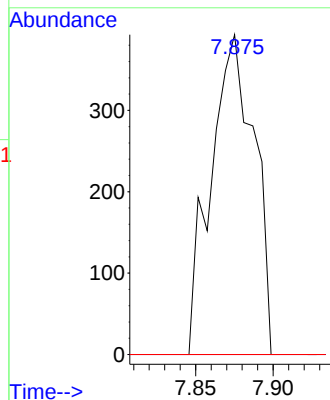
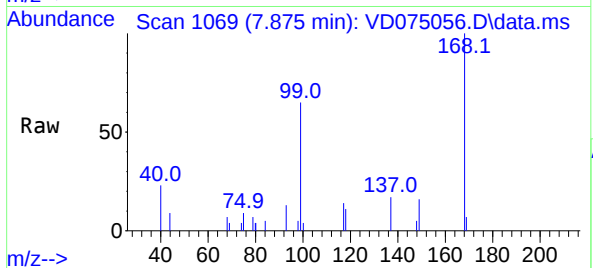




#36
1,1-Dichloropropene
Concen: 4.256 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

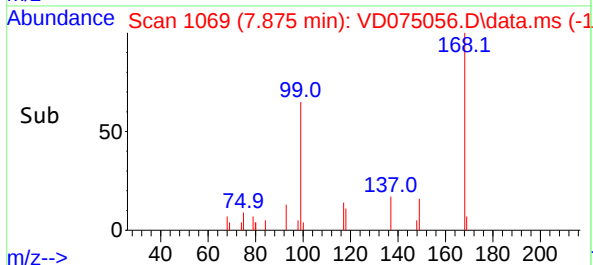
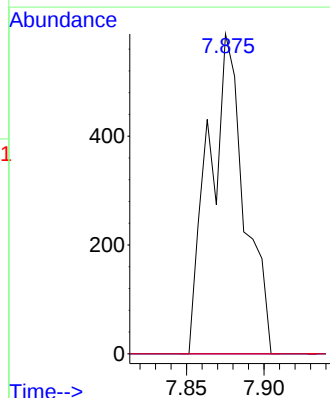
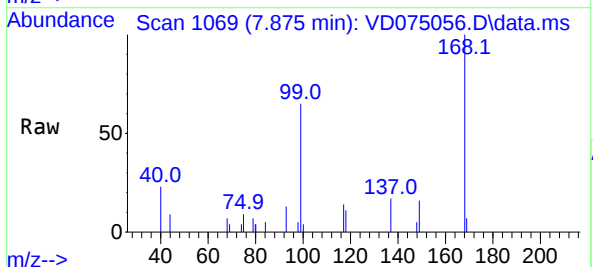
Instrument :
MSVOA_D
ClientSampleId :
N40305RE

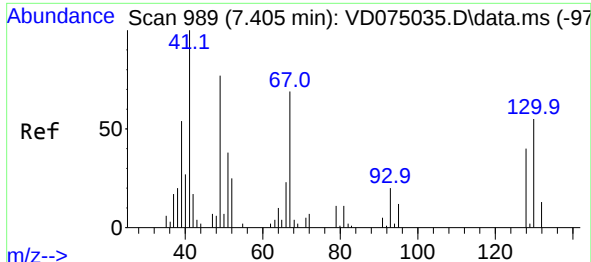
Tgt Ion: 75 Resp: 765
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 6.022 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Tgt Ion: 117 Resp: 936
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 25.4 38.0#

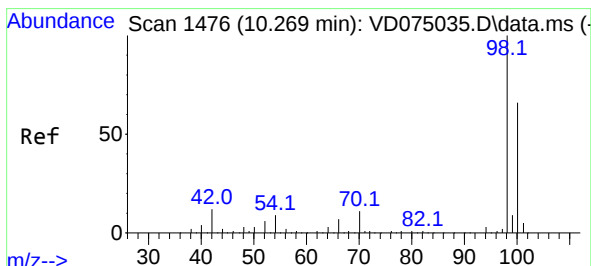
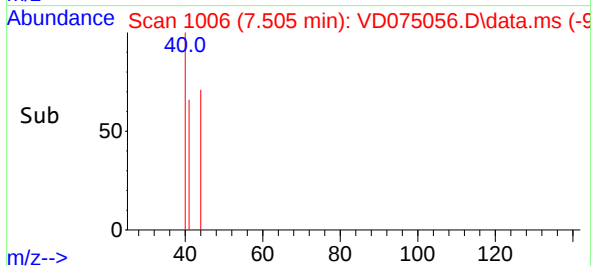
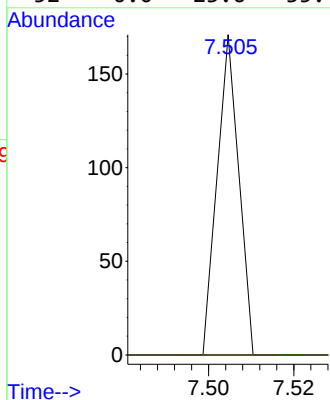
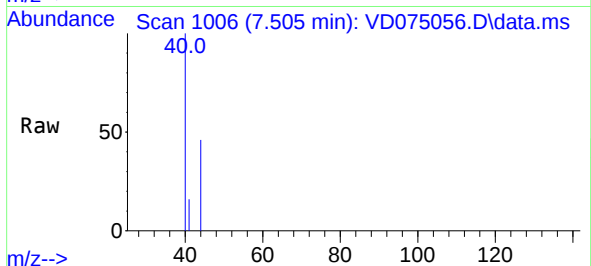




#41
Methacrylonitrile
Concen: 1.062 ug/l
RT: 7.505 min Scan# 1006
Delta R.T. 0.100 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

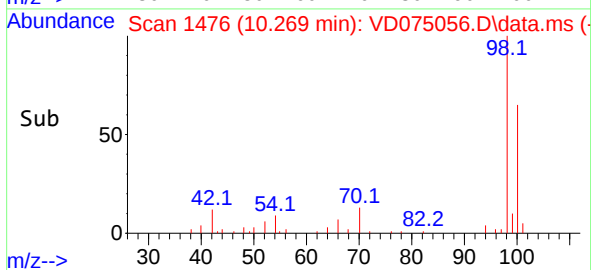
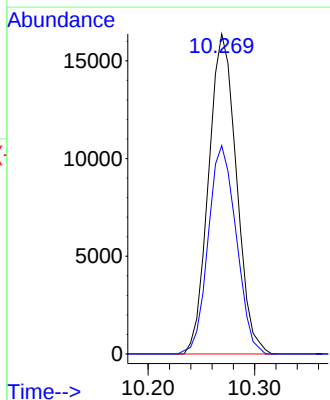
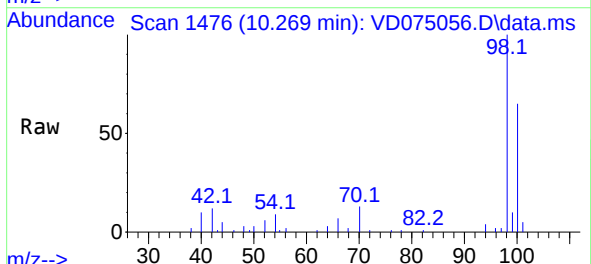
Instrument :
MSVOA_D
ClientSampleId :
N40305RE

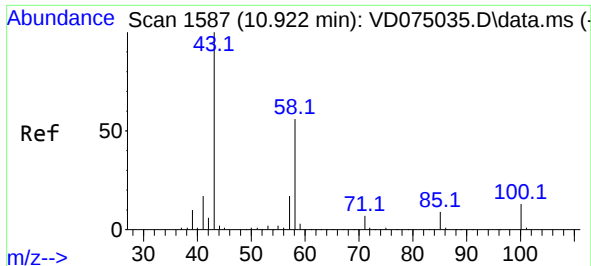
Tgt Ion:	41	Resp:	60
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.8	67.2#
67	0.0	69.6	104.4#
52	0.0	23.6	35.4#



#50
Toluene-d8
Concen: 52.862 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Tgt Ion:	98	Resp:	29722
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2

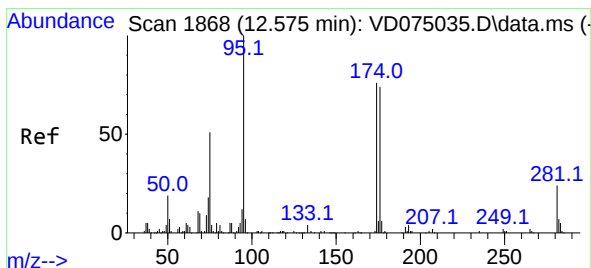
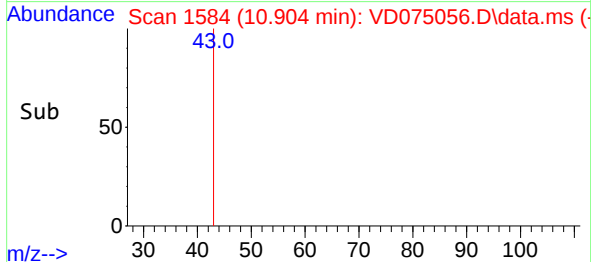
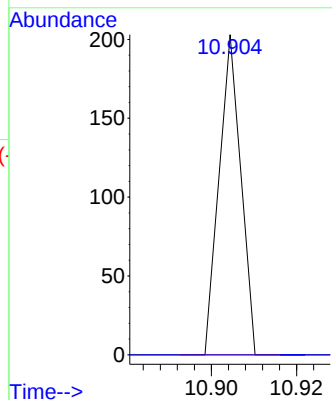
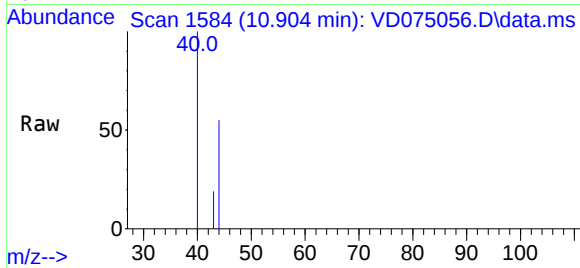




#59
2-Hexanone
Concen: 1.097 ug/l
RT: 10.904 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

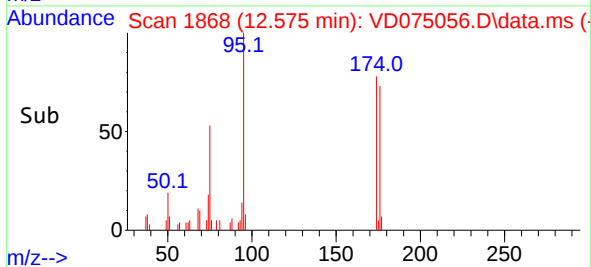
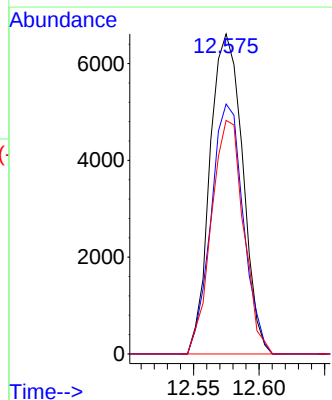
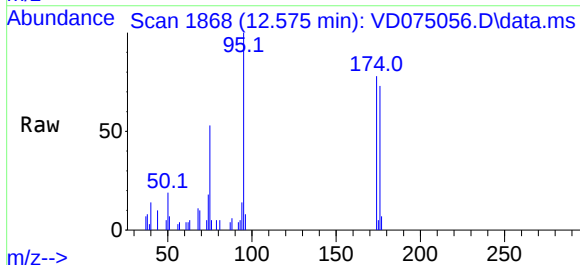
Instrument :
MSVOA_D
ClientSampleId :
N40305RE

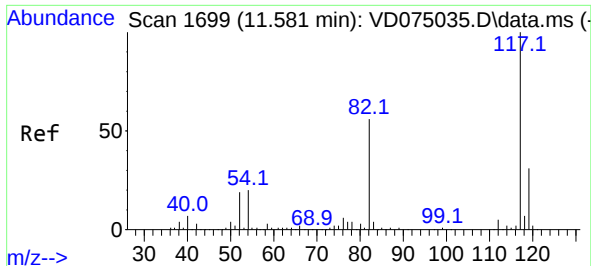
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.4#



#62
4-Bromofluorobenzene
Concen: 62.861 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Tgt Ion: 95 Resp: 11450
Ion Ratio Lower Upper
95 100
174 77.2 0.0 171.2
176 71.9 0.0 165.0

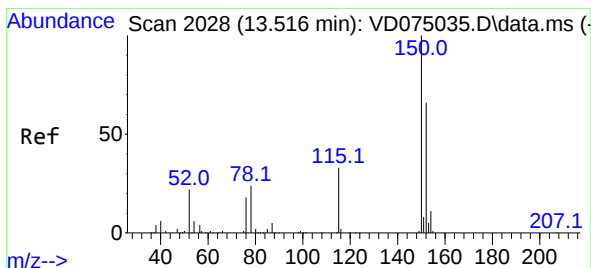
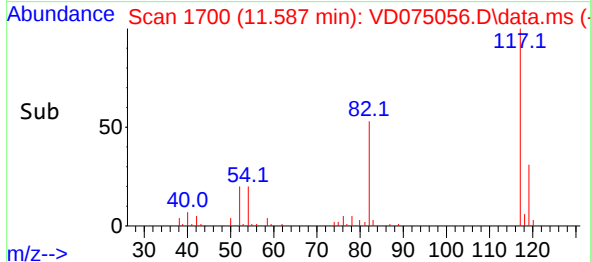
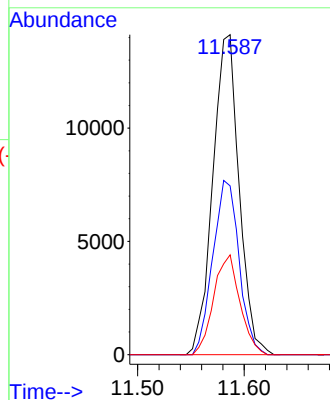
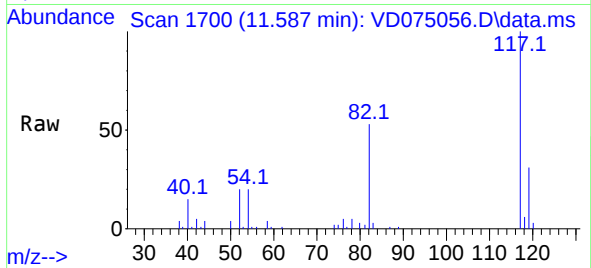




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

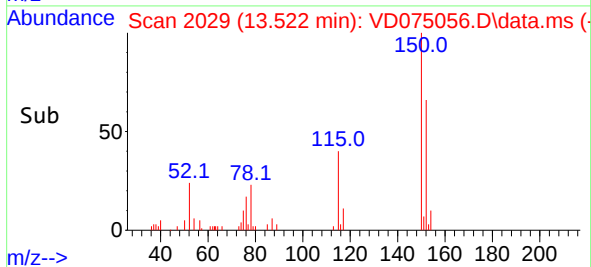
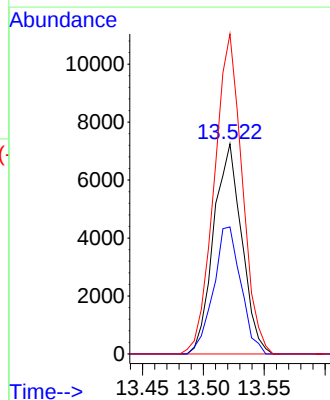
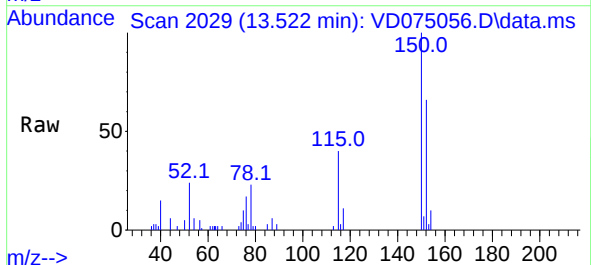
Instrument :
MSVOA_D
ClientSampleId :
N40305RE

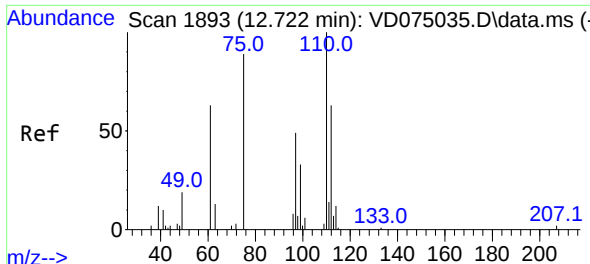
Tgt Ion:117 Resp: 24220
Ion Ratio Lower Upper
117 100
82 52.7 40.9 61.3
119 31.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Tgt Ion:152 Resp: 11632
Ion Ratio Lower Upper
152 100
115 59.1 28.8 86.5
150 151.6 0.0 354.2

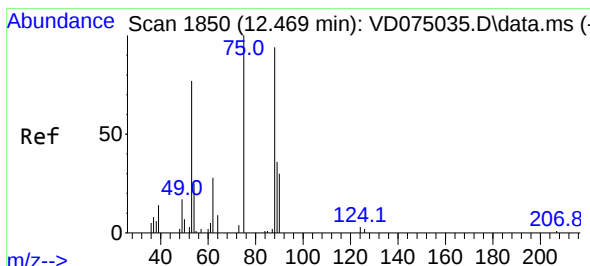
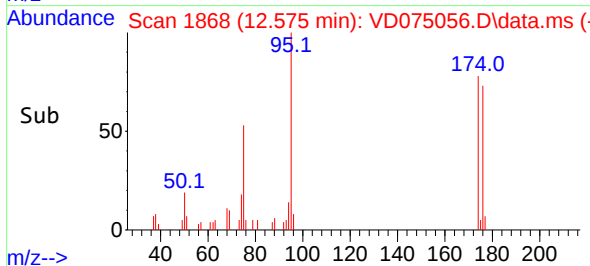
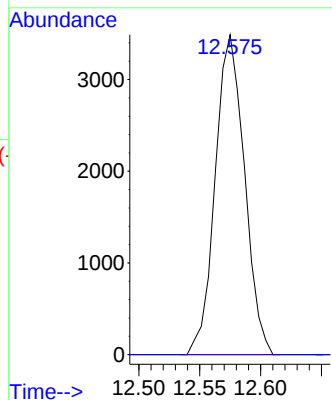
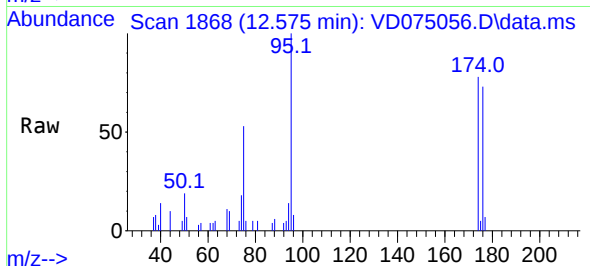




#76
1,2,3-Trichloropropane
Concen: 48.890 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Instrument :
MSVOA_D
ClientSampleId :
N40305RE

Tgt Ion: 75 Resp: 5831
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 113.309 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075056.D
Acq: 27 Dec 2022 16:44

Tgt Ion: 75 Resp: 5831
Ion Ratio Lower Upper
75 100
53 0.0 60.0 90.0#
89 0.0 37.4 56.0#

