

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077135.D
 Acq On : 18 Sep 2023 17:44
 Operator : JC/SY
 Sample : 04436-07
 Misc : 2.34G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 04:58:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

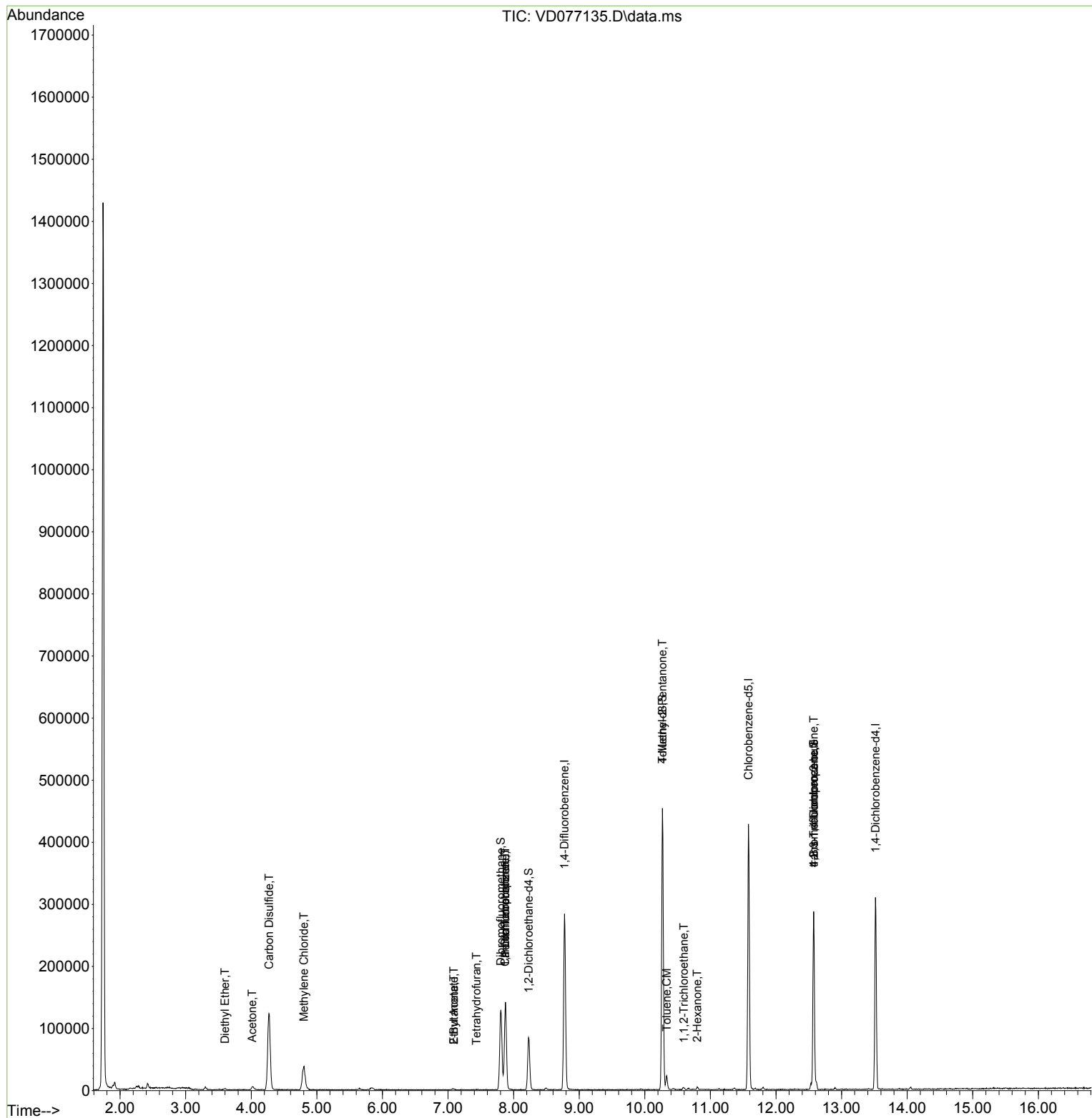
Internal Standards						
1) Pentafluorobenzene	7.875	168	108993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	264945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	258393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	87810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	65146	59.225	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.460%	
35) Dibromofluoromethane	7.805	113	95936	52.131	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.260%	
50) Toluene-d8	10.269	98	322290	49.202	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.400%	
62) 4-Bromofluorobenzene	12.575	95	85435	42.081	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.160%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.599	74	825	1.270	ug/l	100
16) Acetone	4.017	43	4622	18.385	ug/l	87
17) Carbon Disulfide	4.269	76	264122	63.279	ug/l	97
20) Methylene Chloride	4.805	84	30625	14.324	ug/l #	90
25) 2-Butanone	7.087	43	1866	5.642	ug/l #	37
29) Tetrahydrofuran	7.434	42	417	2.157	ug/l #	33
36) 1,1-Dichloropropene	7.869	75	8466	3.055	ug/l #	46
37) Ethyl Acetate	7.087	43	1866	1.755	ug/l #	62
38) Carbon Tetrachloride	7.869	117	10917	4.008	ug/l #	19
51) 4-Methyl-2-Pentanone	10.269	43	1257	1.228	ug/l #	1
52) Toluene	10.334	92	8639	1.575	ug/l	96
55) 1,1,2-Trichloroethane	10.593	97	3411	2.072	ug/l #	21
59) 2-Hexanone	10.799	43	1399	1.904	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	42627	60.858	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	42627	115.191	ug/l #	17

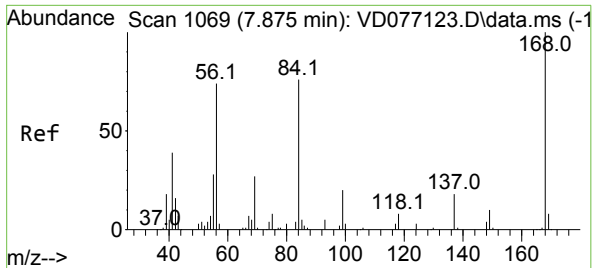
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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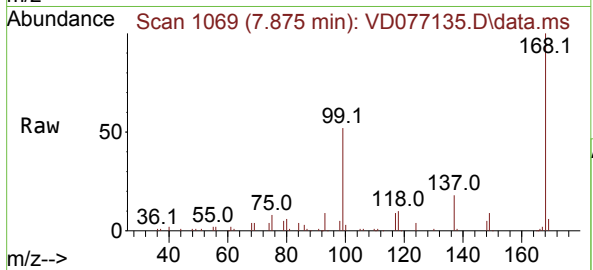
Quant Time: Sep 19 04:58:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
Response via : Initial Calibration



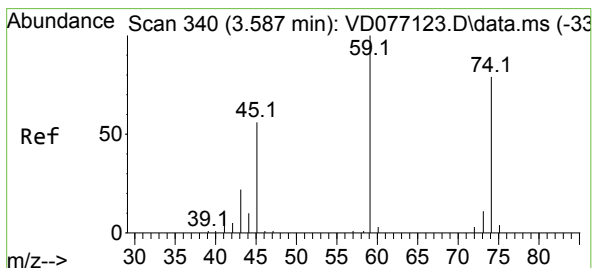
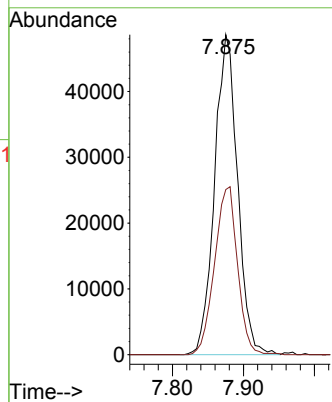
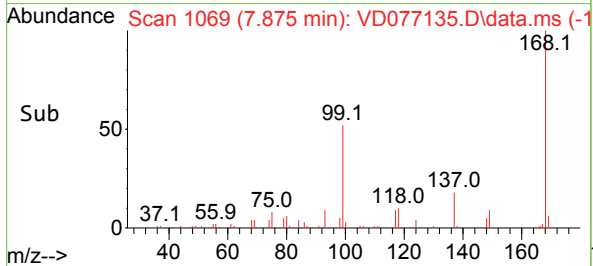


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

Instrument :
MSVOA_D
ClientSampleId :

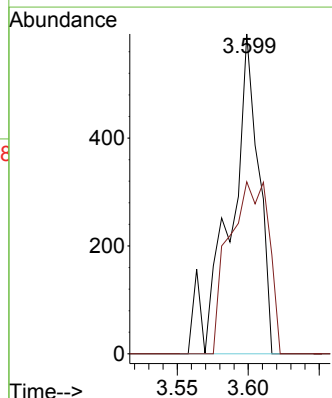
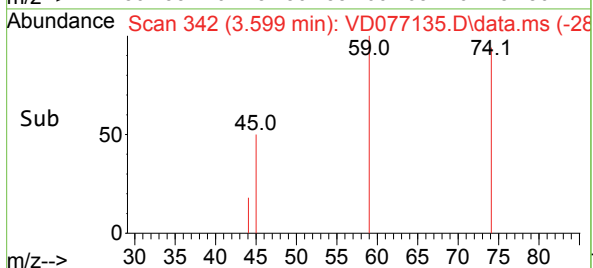
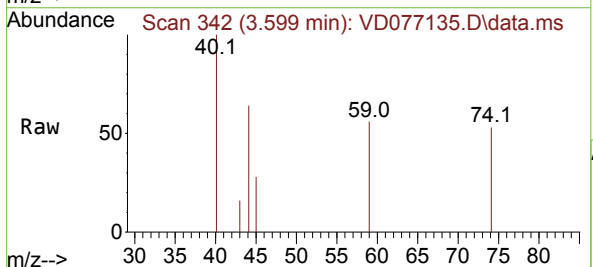


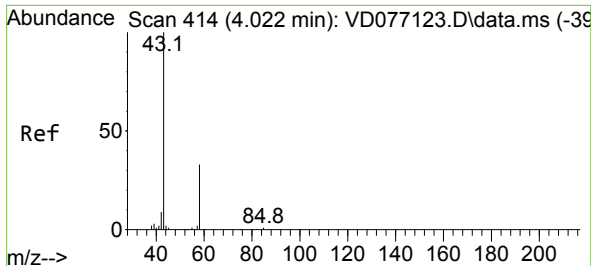
Tgt Ion:168 Resp: 108993
Ion Ratio Lower Upper
168 100
99 51.6 36.7 55.1



#8
Diethyl Ether
Concen: 1.270 ug/l
RT: 3.599 min Scan# 342
Delta R.T. 0.012 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

Tgt Ion: 74 Resp: 825
Ion Ratio Lower Upper
74 100
45 75.3 37.5 112.7

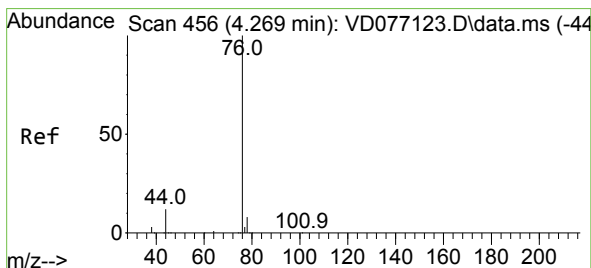
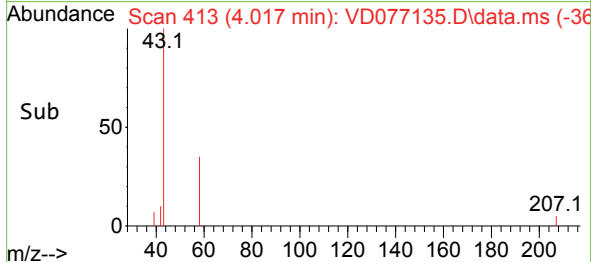
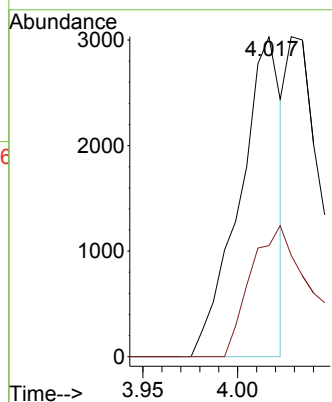
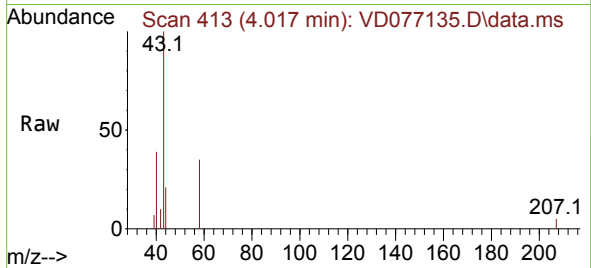




#16
Acetone
Concen: 18.385 ug/l
RT: 4.017 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

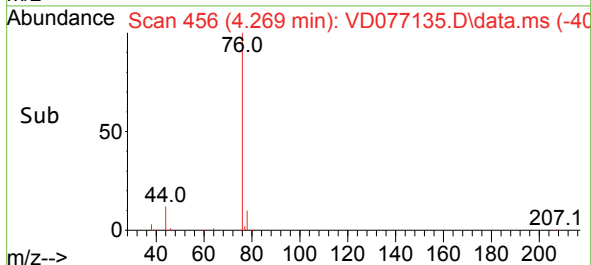
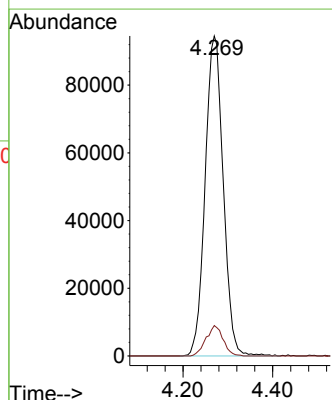
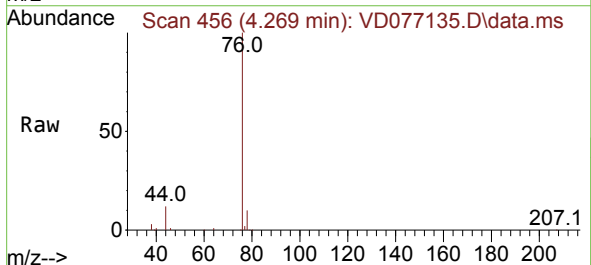
Instrument :
MSVOA_D
ClientSampleId :

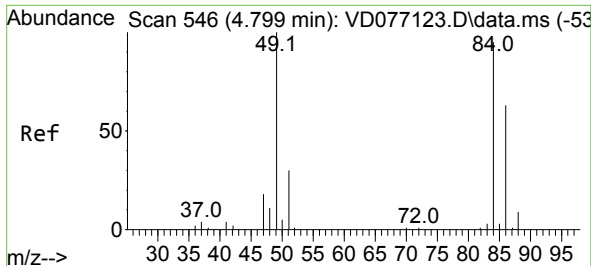
Tgt Ion: 43 Resp: 4622
Ion Ratio Lower Upper
43 100
58 34.7 34.7 52.1



#17
Carbon Disulfide
Concen: 63.279 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

Tgt Ion: 76 Resp: 264122
Ion Ratio Lower Upper
76 100
78 9.5 6.8 10.2





#20

Methylene Chloride

Concen: 14.324 ug/l

RT: 4.805 min Scan# 54

Delta R.T. 0.006 min

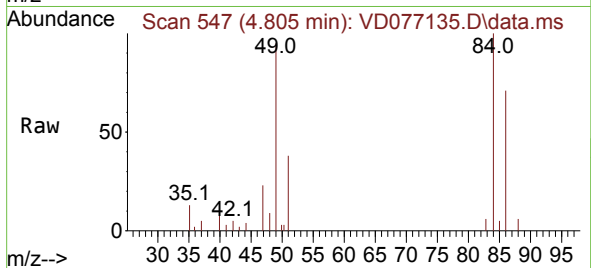
Lab File: VD077135.D

Acq: 18 Sep 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 30625

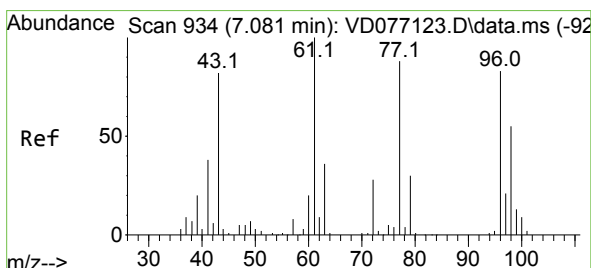
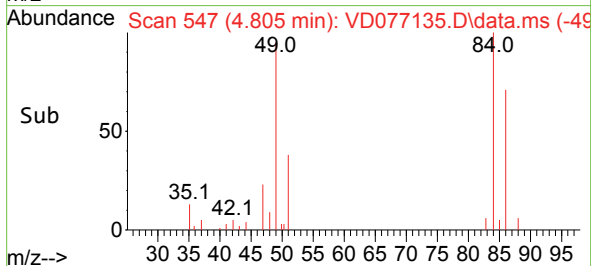
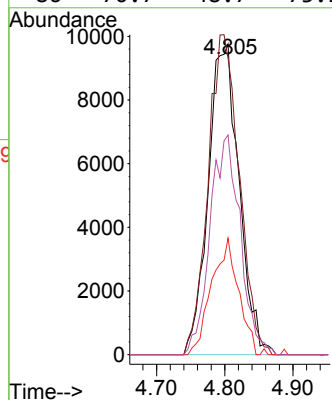
Ion Ratio Lower Upper

84 100

49 95.4 71.4 107.2

51 37.5 24.5 36.7#

86 70.7 48.7 73.1



#25

2-Butanone

Concen: 5.642 ug/l

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD077135.D

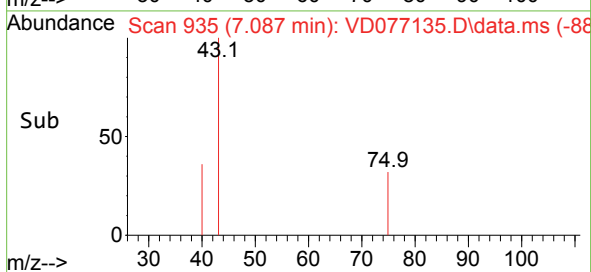
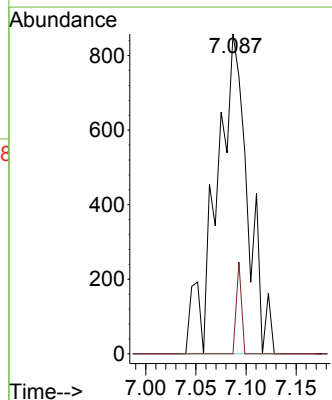
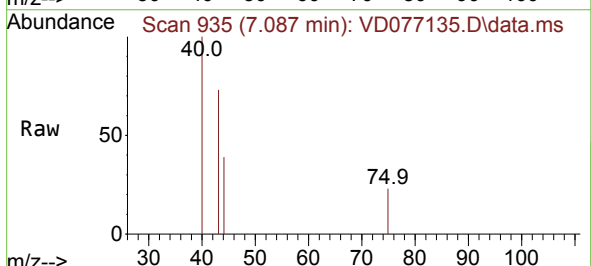
Acq: 18 Sep 2023 17:44

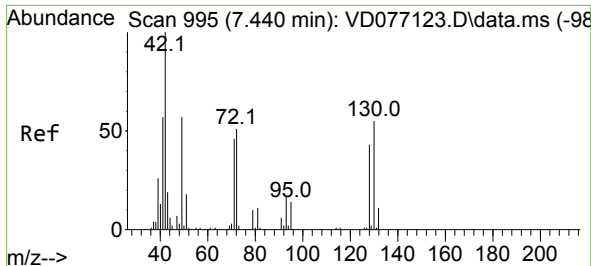
Tgt Ion: 43 Resp: 1866

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#





#29

Tetrahydrofuran

Concen: 2.157 ug/l

RT: 7.434 min Scan# 995

Delta R.T. -0.006 min

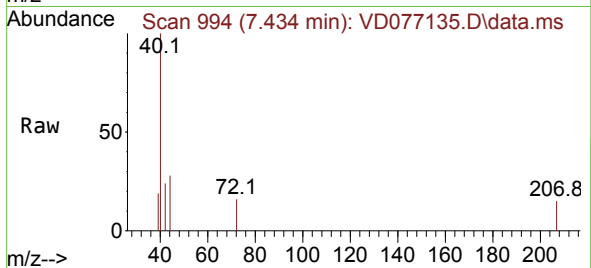
Lab File: VD077135.D

Acq: 18 Sep 2023 17:44

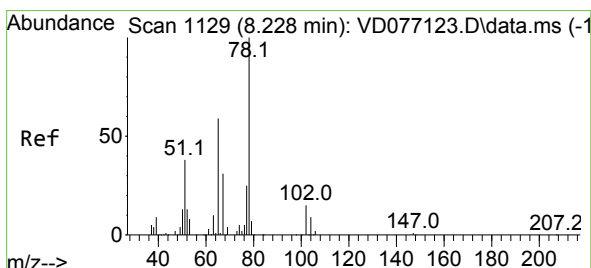
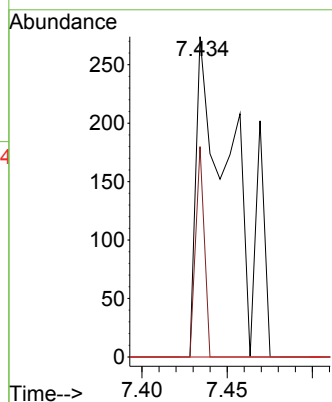
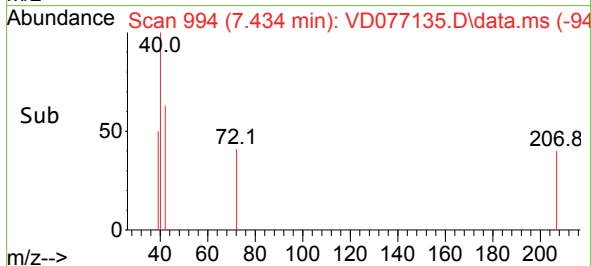
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	417
Ion	Ratio	Lower	Upper
42	100		
72	15.1	46.5	69.7#
71	0.0	44.5	66.7#



#33

1,2-Dichloroethane-d4

Concen: 59.225 ug/l

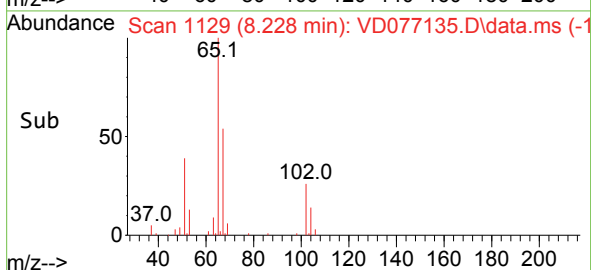
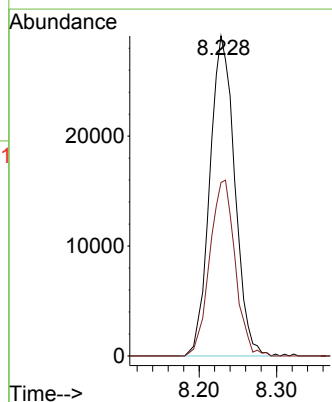
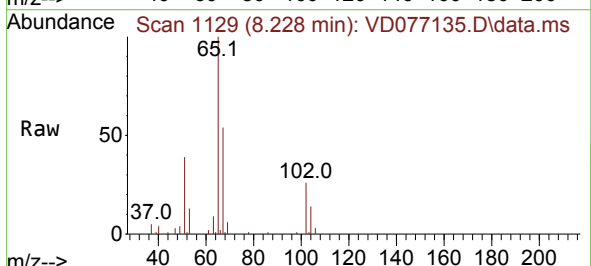
RT: 8.228 min Scan# 1129

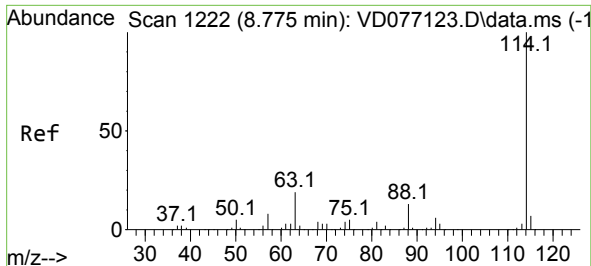
Delta R.T. 0.000 min

Lab File: VD077135.D

Acq: 18 Sep 2023 17:44

Tgt Ion:	65	Resp:	65146
Ion	Ratio	Lower	Upper
65	100		
67	55.8	0.0	115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077135.D

Acq: 18 Sep 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :

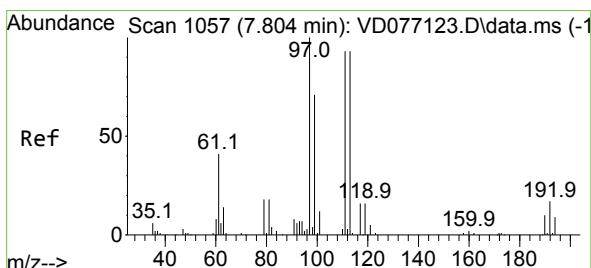
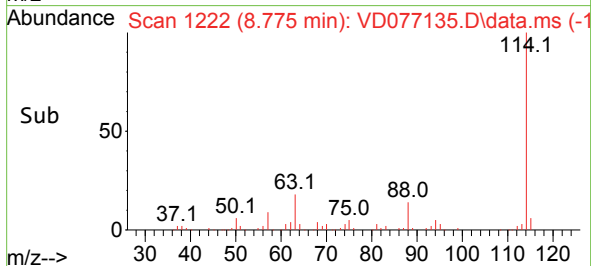
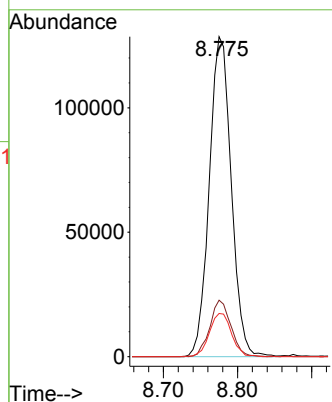
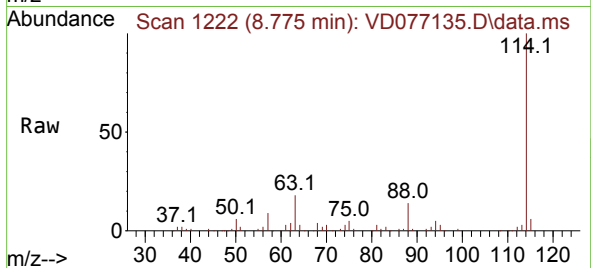
Tgt Ion:114 Resp: 264945

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

88 13.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 52.131 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077135.D

Acq: 18 Sep 2023 17:44

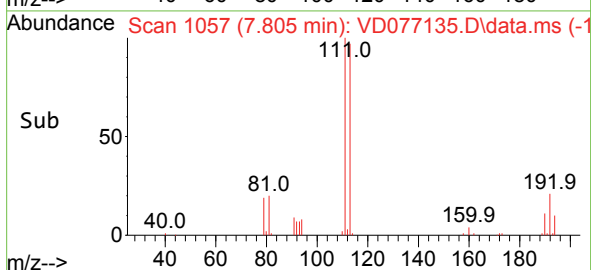
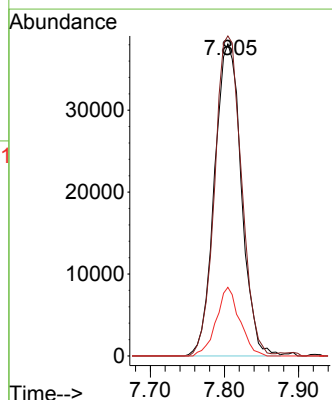
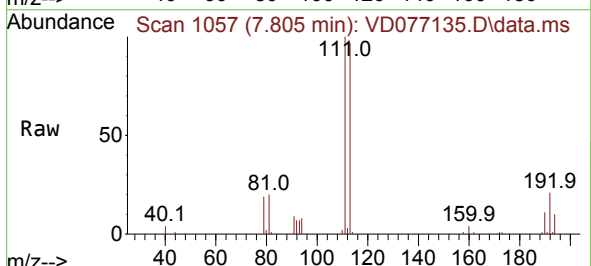
Tgt Ion:113 Resp: 95936

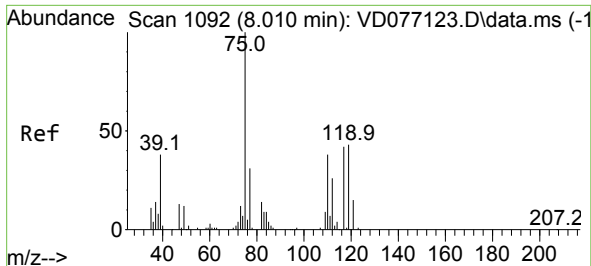
Ion Ratio Lower Upper

113 100

111 101.9 84.7 127.1

192 19.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.055 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

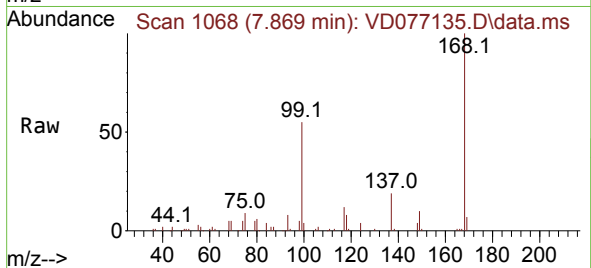
Lab File: VD077135.D

Acq: 18 Sep 2023 17:44

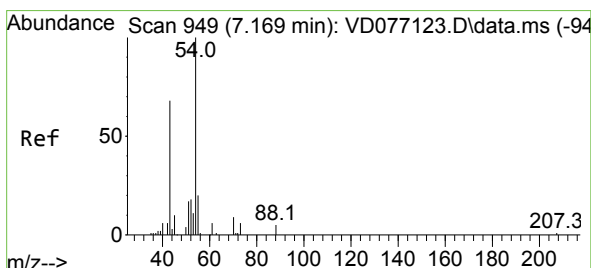
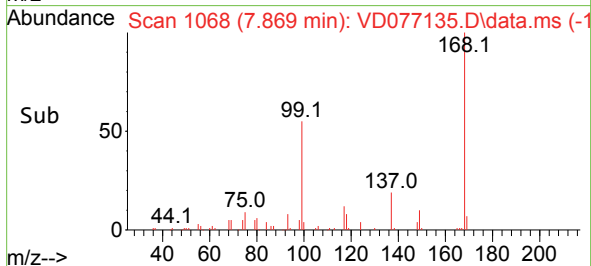
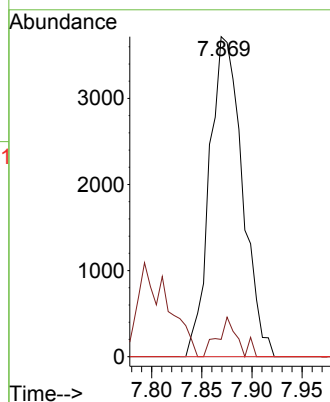
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	8466
Ion	Ratio	Lower	Upper
75	100		
110	7.5	19.9	59.6#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 1.755 ug/l

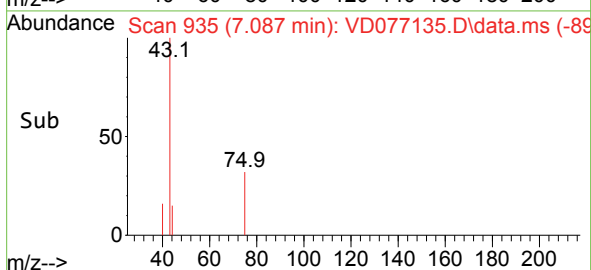
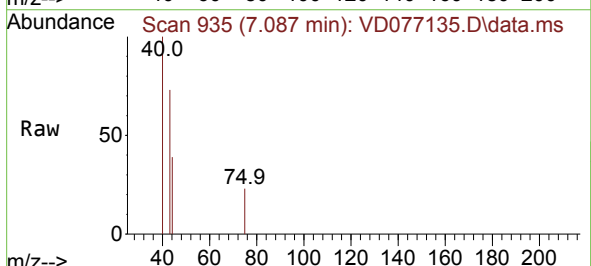
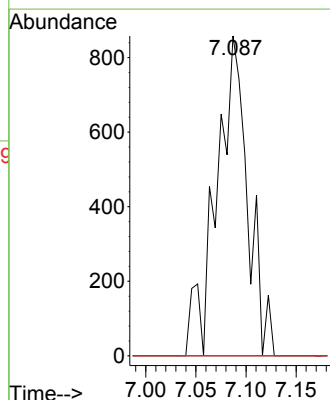
RT: 7.087 min Scan# 935

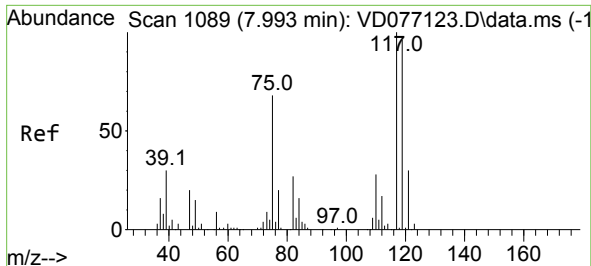
Delta R.T. -0.082 min

Lab File: VD077135.D

Acq: 18 Sep 2023 17:44

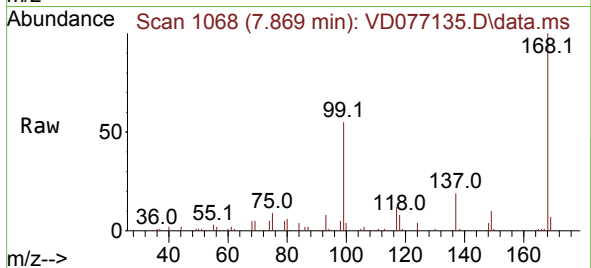
Tgt Ion:	43	Resp:	1866
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.9	22.3#
70	0.0	10.0	15.0#



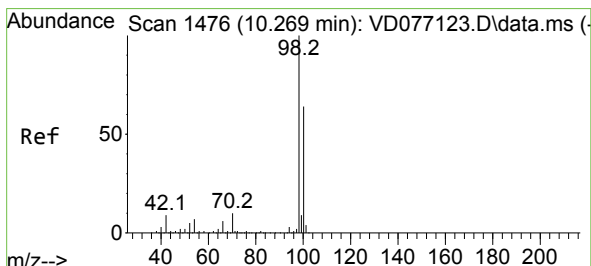
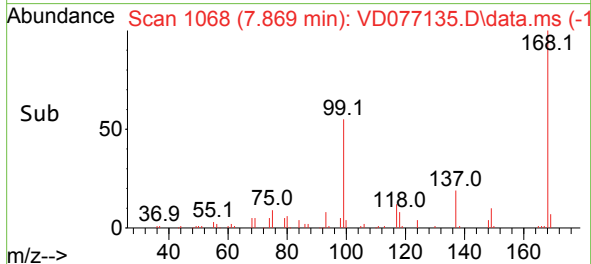
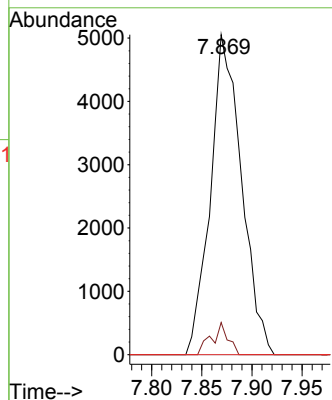


#38
Carbon Tetrachloride
Concen: 4.008 ug/l
RT: 7.869 min Scan# 10917
Delta R.T. -0.123 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

Instrument :
MSVOA_D
ClientSampleId :

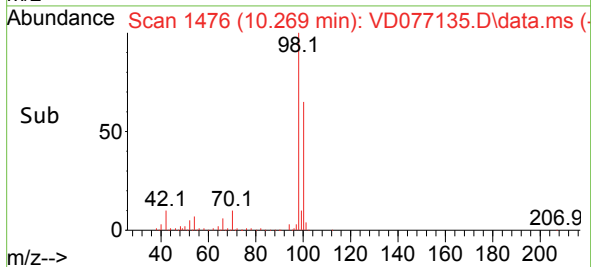
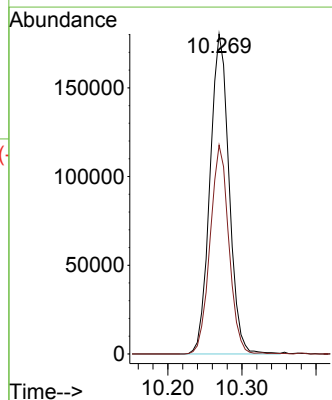
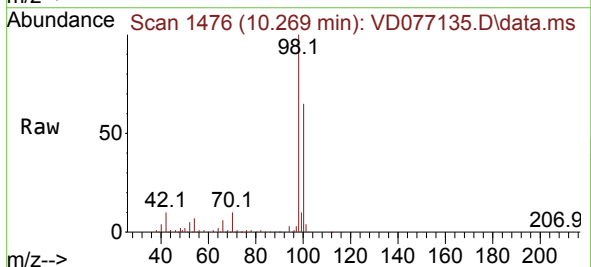


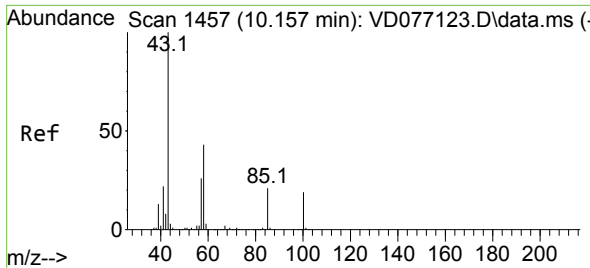
Tgt Ion:117 Resp: 10917
Ion Ratio Lower Upper
117 100
119 10.1 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.202 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

Tgt Ion: 98 Resp: 322290
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5

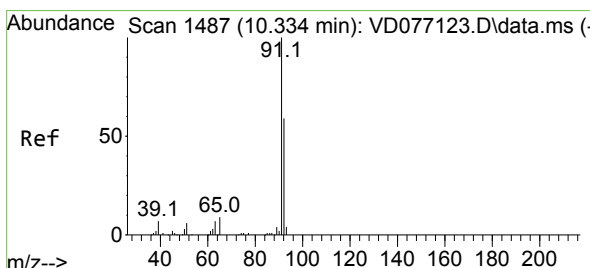
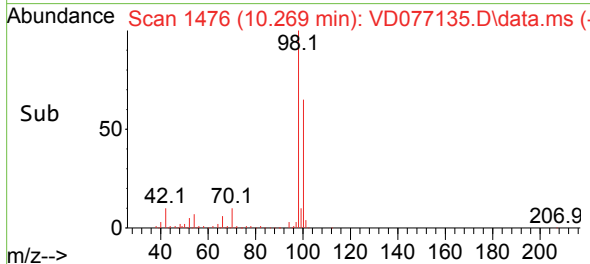
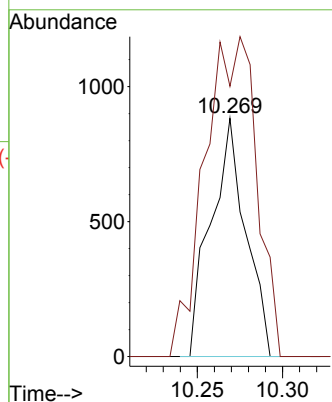
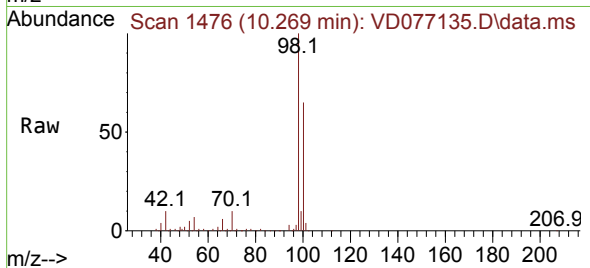




#51
4-Methyl-2-Pentanone
Concen: 1.228 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

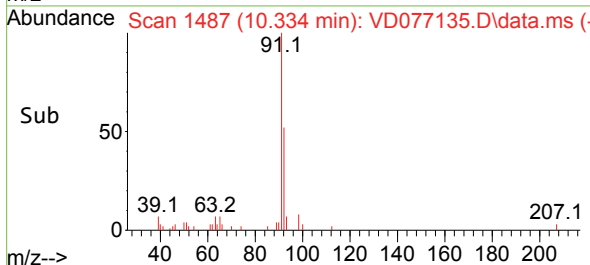
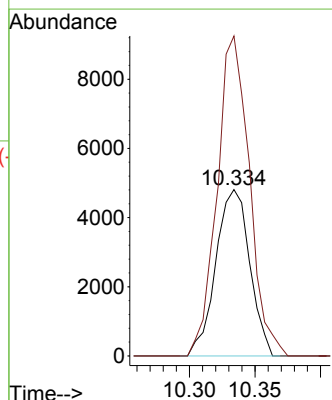
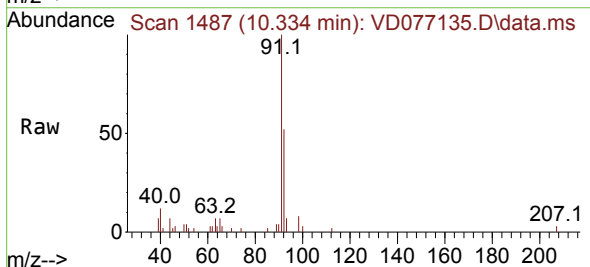
Instrument :
MSVOA_D
ClientSampleId :

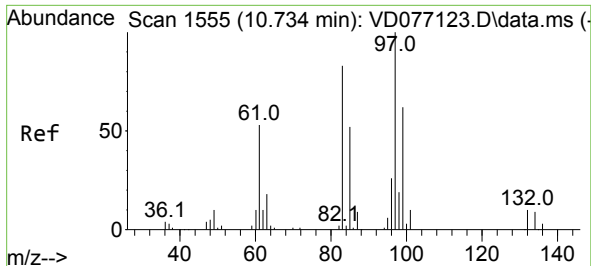
Tgt Ion: 43 Resp: 1257
Ion Ratio Lower Upper
43 100
58 199.7 38.9 58.3#



#52
Toluene
Concen: 1.575 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

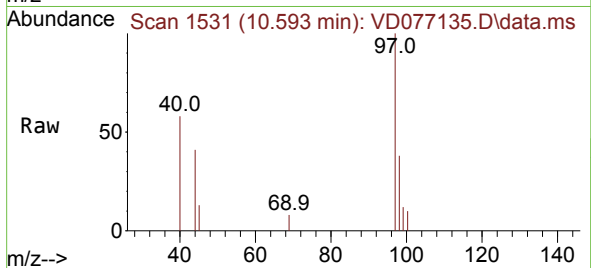
Tgt Ion: 92 Resp: 8639
Ion Ratio Lower Upper
92 100
91 183.7 143.0 214.4



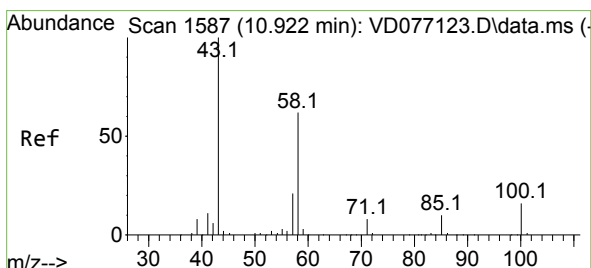
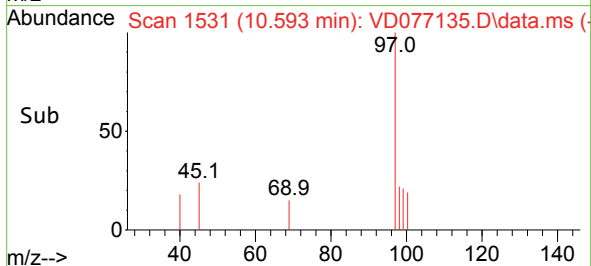
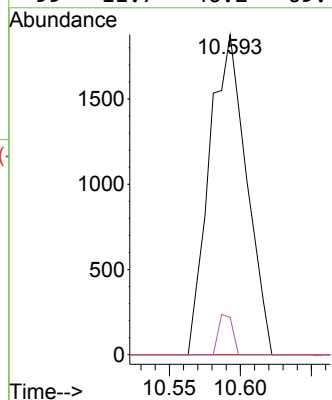


#55
1,1,2-Trichloroethane
Concen: 2.072 ug/l
RT: 10.593 min Scan# 1531
Delta R.T. -0.141 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

Instrument :
MSVOA_D
ClientSampleId :

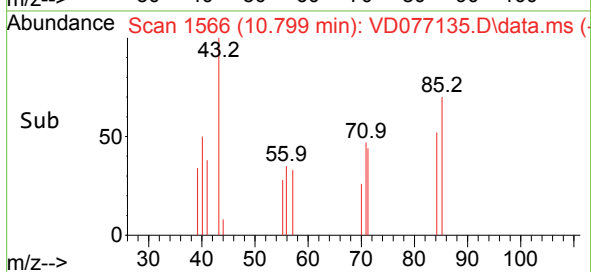
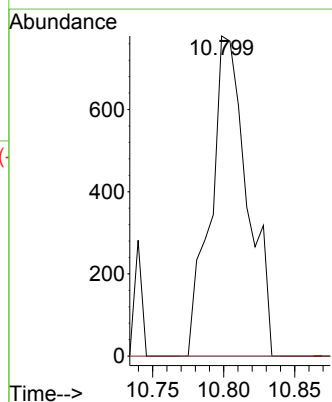
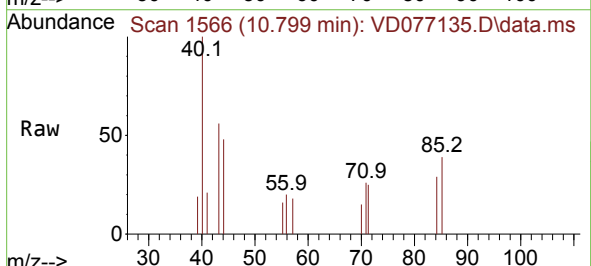


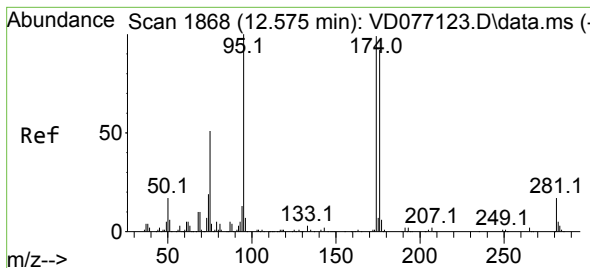
Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.8	98.6#
85	0.0	45.7	68.5#
99	11.7	46.2	69.4#



#59
2-Hexanone
Concen: 1.904 ug/l
RT: 10.799 min Scan# 1566
Delta R.T. -0.123 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	34.1	102.2#

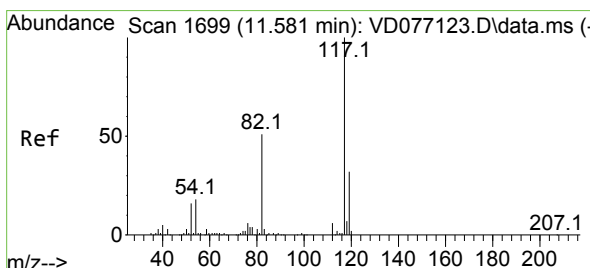
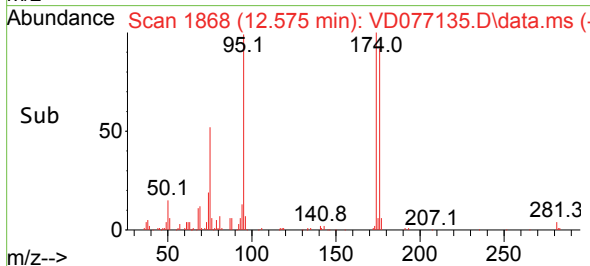
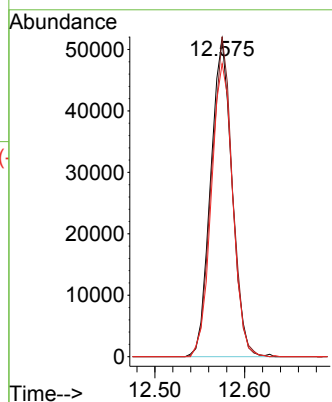
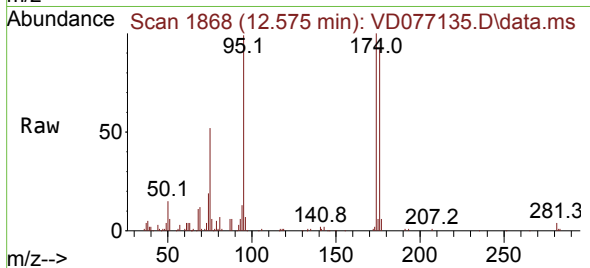




#62
4-Bromofluorobenzene
Concen: 42.081 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

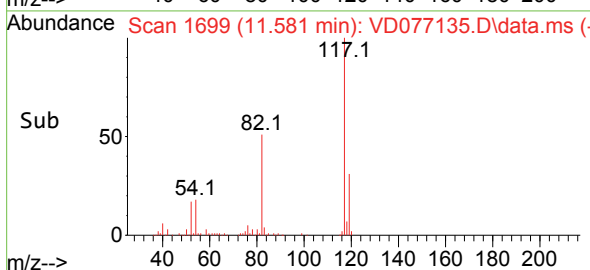
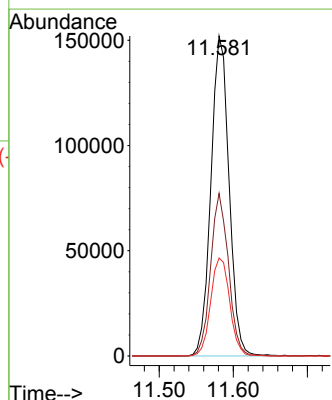
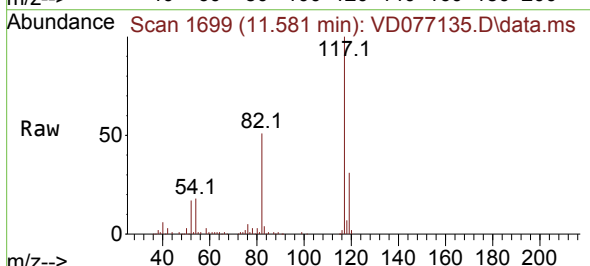
Instrument :
MSVOA_D
ClientSampleId :

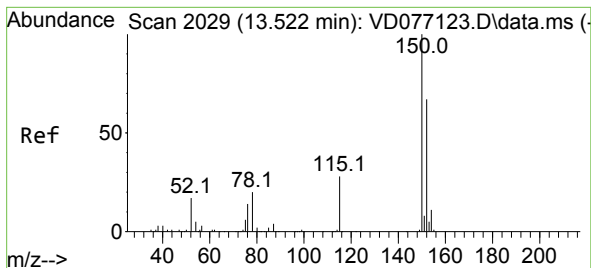
Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.6	0.0	201.8
176	92.6	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077135.D
Acq: 18 Sep 2023 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.8	38.3	57.5
119	30.6	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD077135.D

Acq: 18 Sep 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :

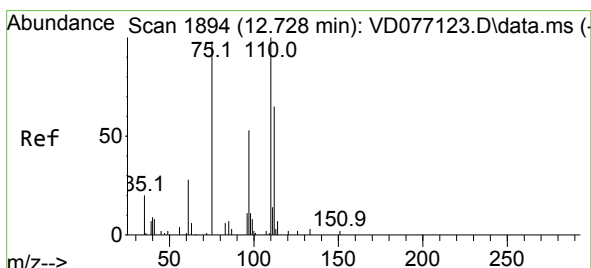
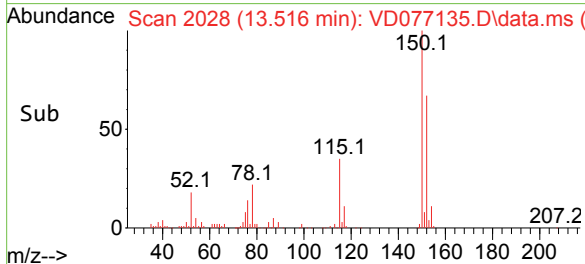
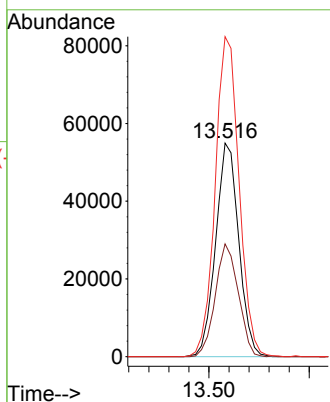
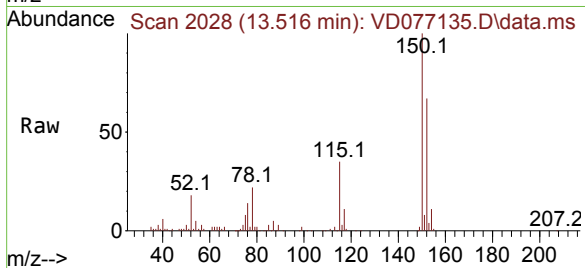
Tgt Ion:152 Resp: 87810

Ion Ratio Lower Upper

152 100

115 52.6 27.1 81.3

150 154.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 60.858 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077135.D

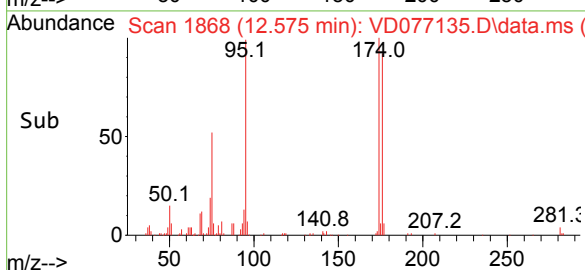
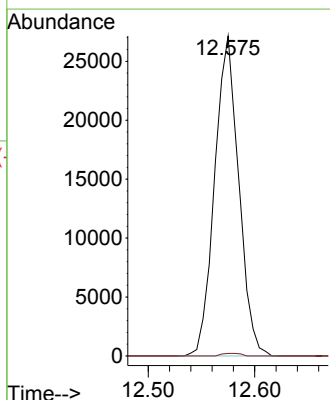
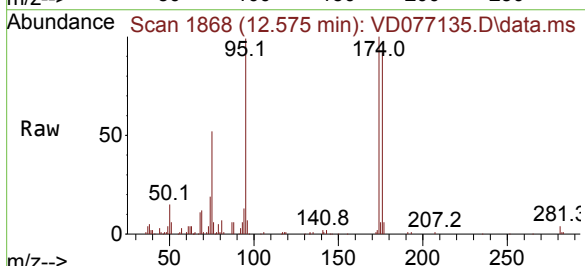
Acq: 18 Sep 2023 17:44

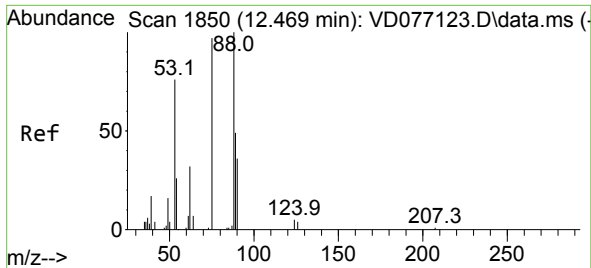
Tgt Ion: 75 Resp: 42627

Ion Ratio Lower Upper

75 100

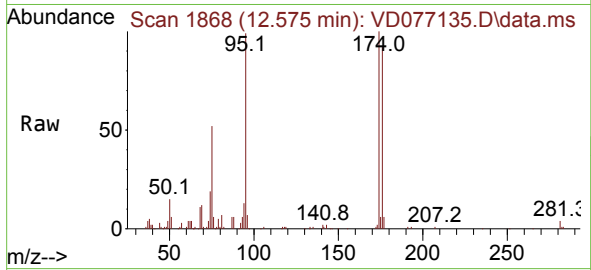
77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.191 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077135.D
 Acq: 18 Sep 2023 17:44

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	42627
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

