

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040723\
 Data File : VD075606.D
 Acq On : 07 Apr 2023 17:42
 Operator : KP/SY
 Sample : 02206-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929RE

Quant Time: Apr 10 02:08:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

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

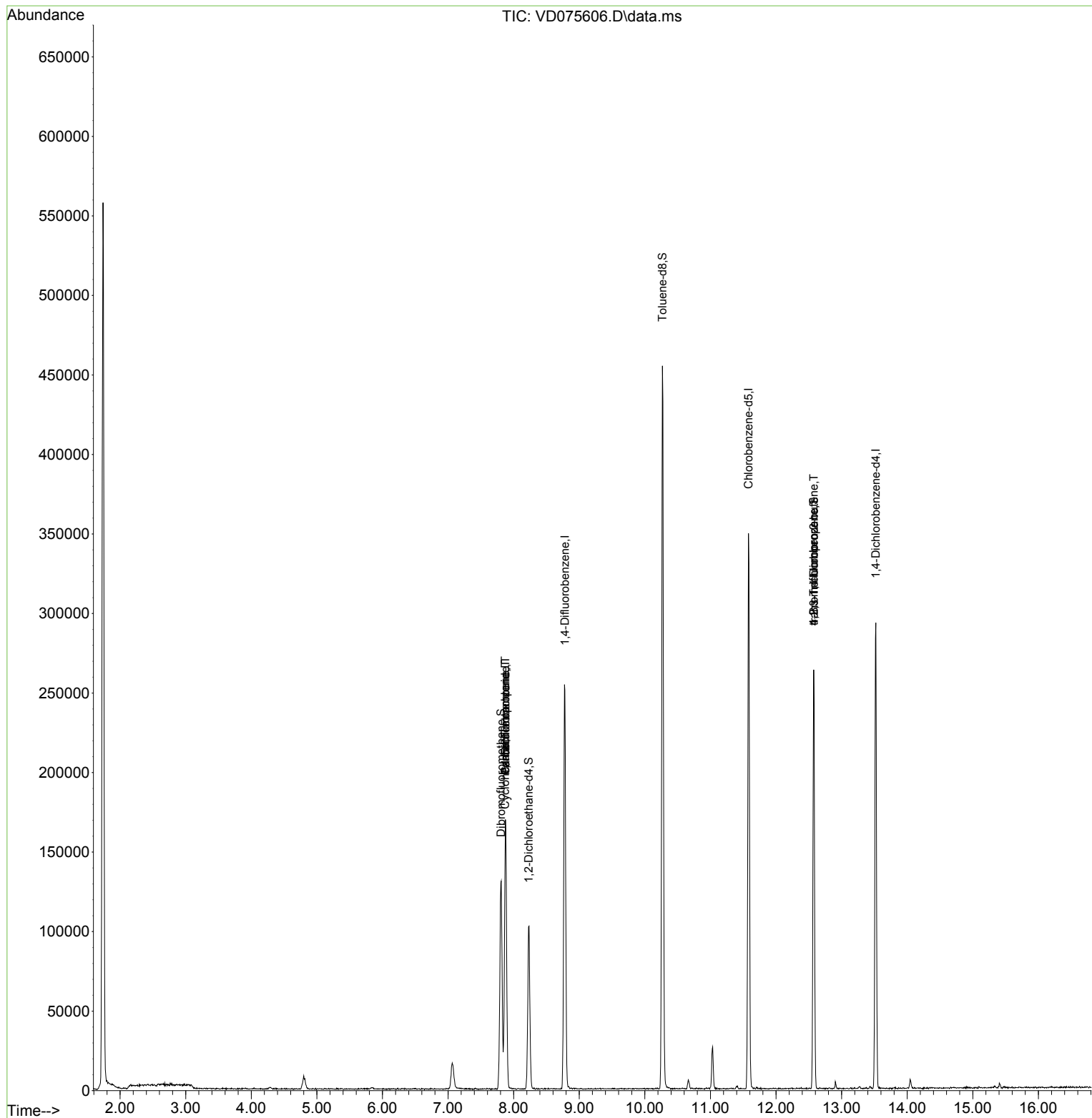
Internal Standards						
1) Pentafluorobenzene	7.875	168	135641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	247384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	220991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	85837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79307	64.436	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.880%
35) Dibromofluoromethane	7.810	113	99836	58.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.840%
50) Toluene-d8	10.269	98	339956	50.790	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.580%
62) 4-Bromofluorobenzene	12.575	95	81396	42.067	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.140%
Target Compounds						
3) Chloromethane	2.152	50	289	Below Cal	#	40
16) Acetone	4.034	43	589	Below Cal	#	44
20) Methylene Chloride	4.799	84	7017	Below Cal	#	70
31) Cyclohexane	7.869	56	2400	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	10177	4.053	ug/l #	51
38) Carbon Tetrachloride	7.875	117	12661	5.262	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	40307	57.255	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	40307	120.432	ug/l #	5

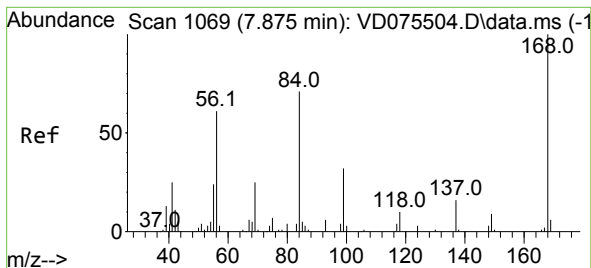
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 10 23:52:37 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: VD075606.D

Acq: 07 Apr 2023 17:42

Instrument :

MSVOA_D

ClientSampleId :

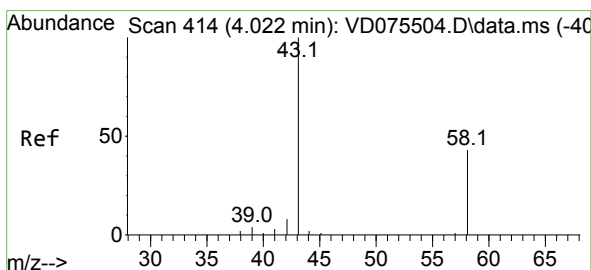
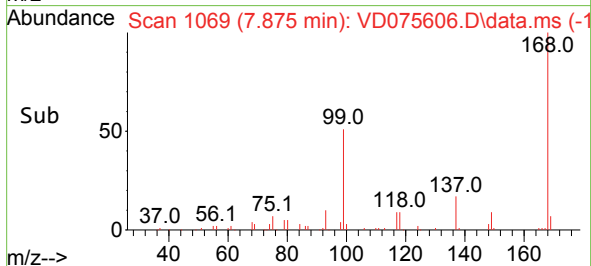
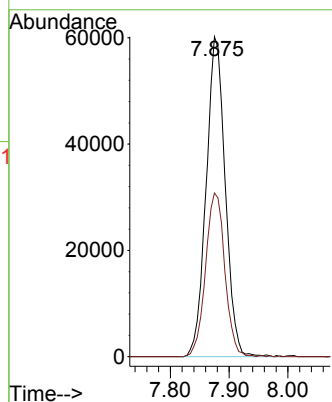
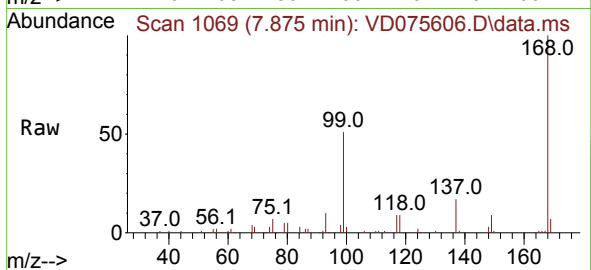
72-11929RE

Tgt Ion:168 Resp: 135641

Ion Ratio Lower Upper

168 100

99 51.2 43.8 65.6



#16

Acetone

Concen: Below Cal

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD075606.D

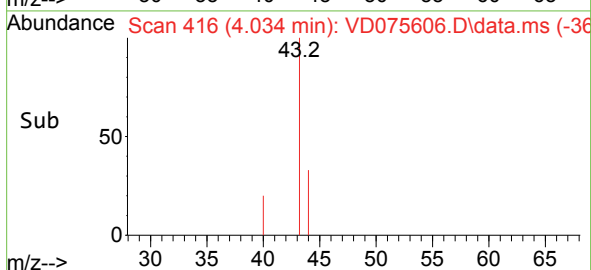
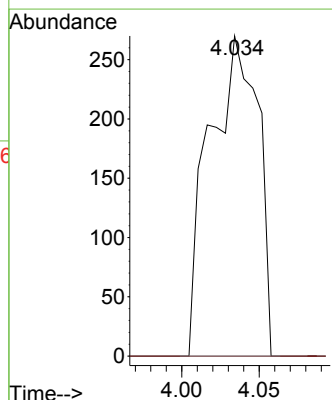
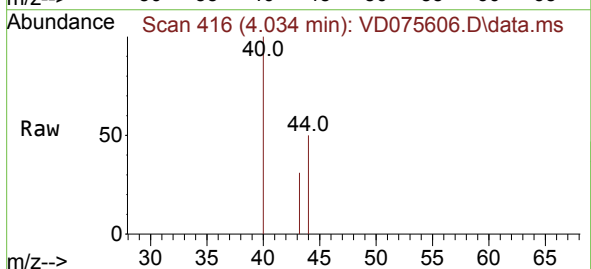
Acq: 07 Apr 2023 17:42

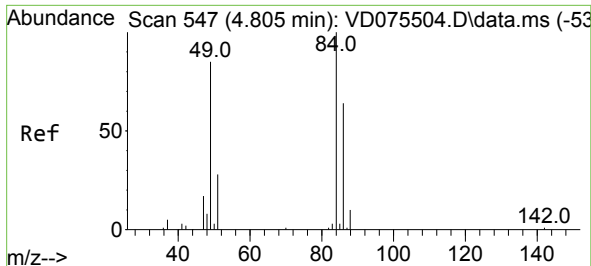
Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

43 100

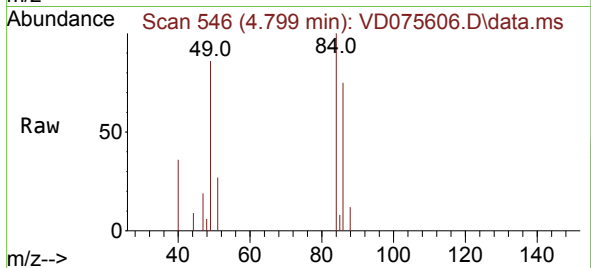
58 0.0 24.4 36.6#





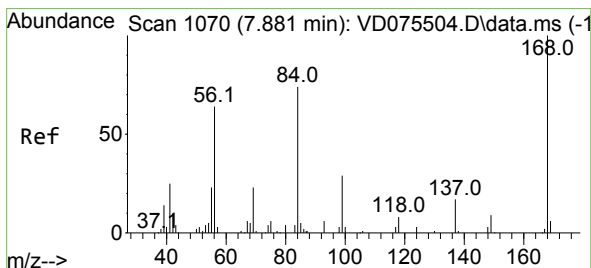
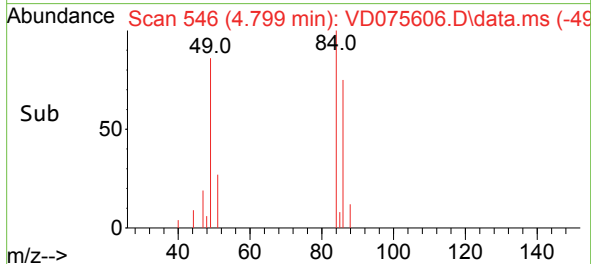
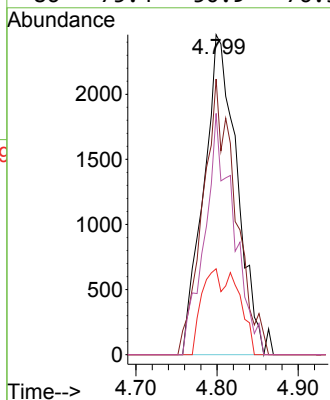
#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD075606.D
Acq: 07 Apr 2023 17:42

Instrument :
MSVOA_D
ClientSampleId :
72-11929RE



Tgt Ion: 84 Resp: 7017

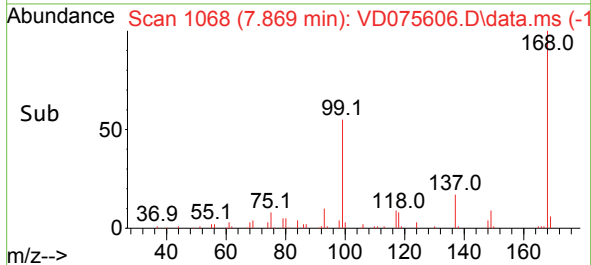
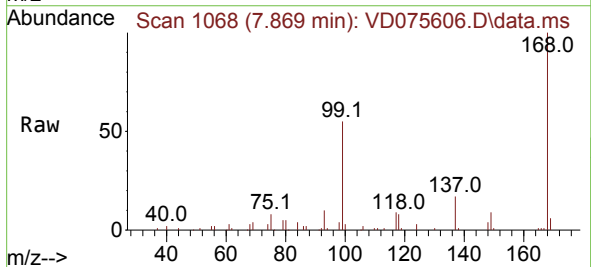
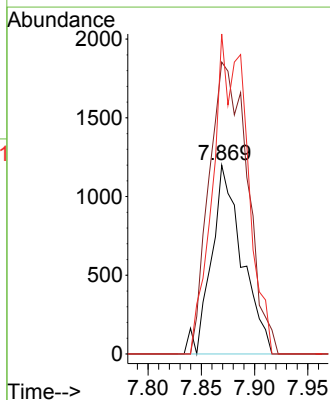
Ion	Ratio	Lower	Upper
84	100		
49	86.2	106.4	159.6#
51	26.9	32.4	48.6#
86	75.4	50.9	76.3

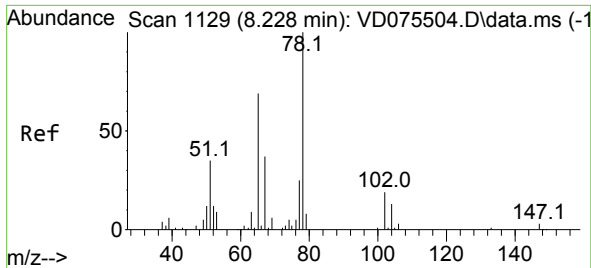


#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD075606.D
Acq: 07 Apr 2023 17:42

Tgt Ion: 56 Resp: 2400

Ion	Ratio	Lower	Upper
56	100		
69	154.5	25.5	38.3#
84	169.4	69.6	104.4#

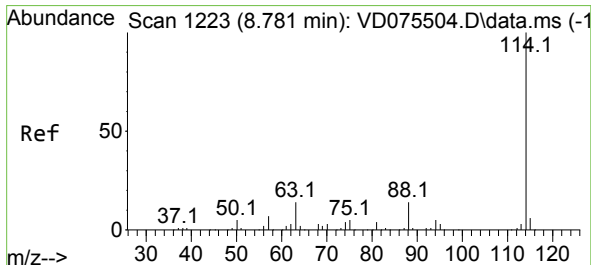
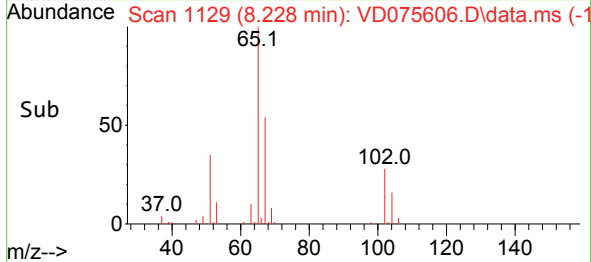
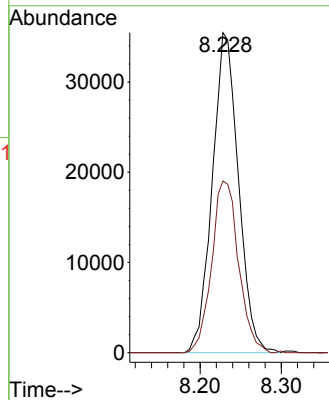
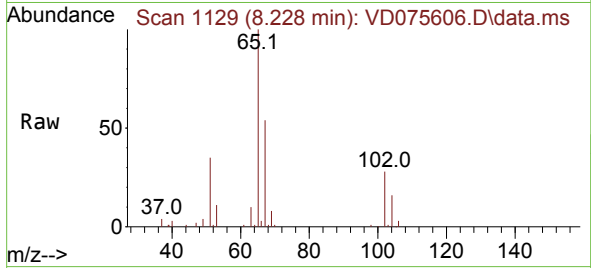




#33
 1,2-Dichloroethane-d4
 Concen: 64.436 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VD075606.D
 Acq: 07 Apr 2023 17:42

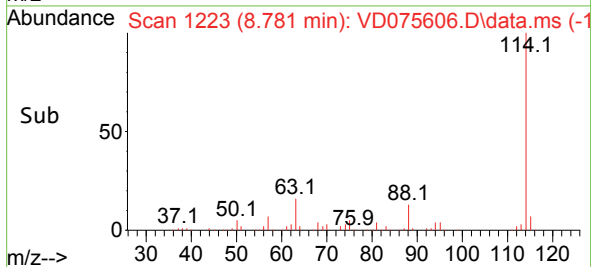
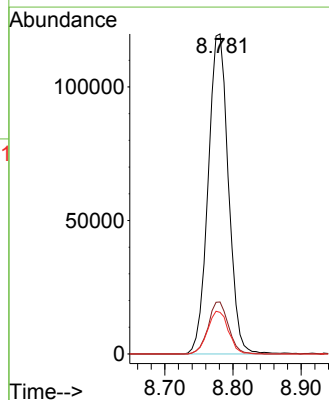
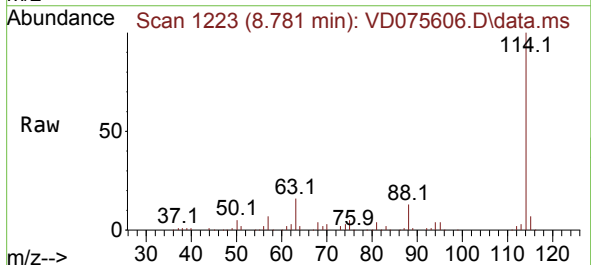
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929RE

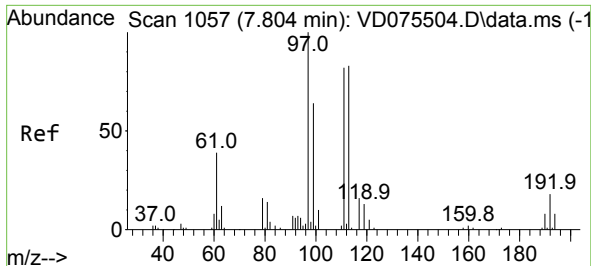
Tgt Ion: 65 Resp: 79307
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. -0.000 min
 Lab File: VD075606.D
 Acq: 07 Apr 2023 17:42

Tgt Ion: 114 Resp: 247384
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 41.6
 88 13.0 0.0 30.6

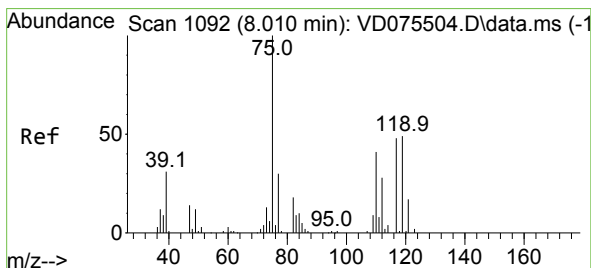
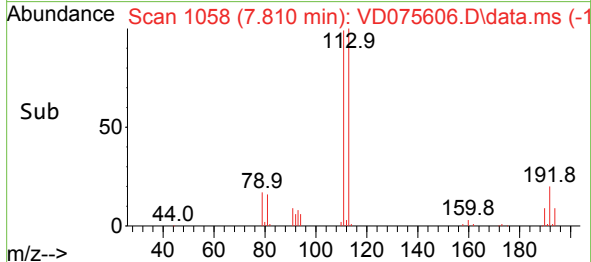
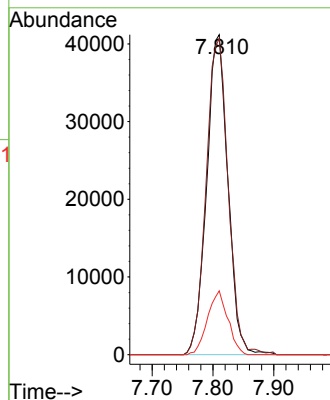
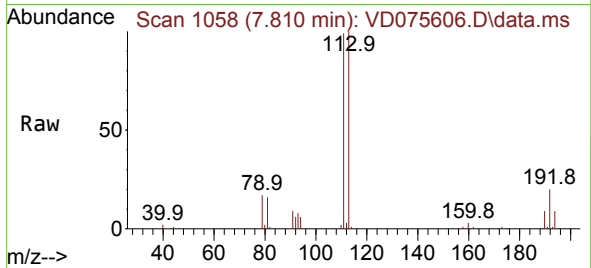




#35
Dibromofluoromethane
Concen: 58.924 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD075606.D
Acq: 07 Apr 2023 17:42

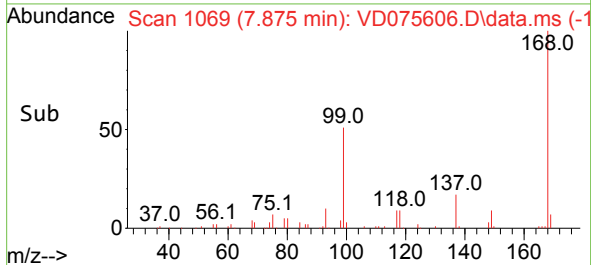
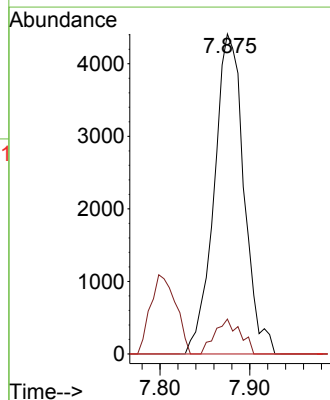
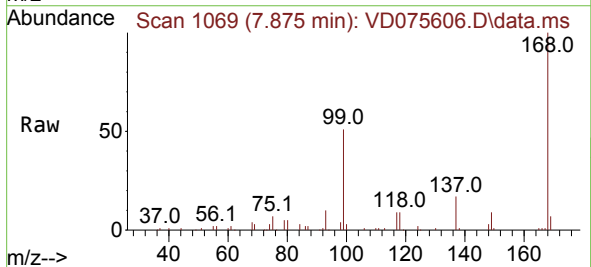
Instrument :
MSVOA_D
ClientSampleId :
72-11929RE

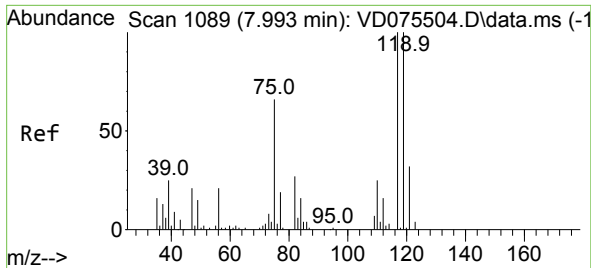
Tgt Ion:113 Resp: 99836
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 19.1 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.053 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD075606.D
Acq: 07 Apr 2023 17:42

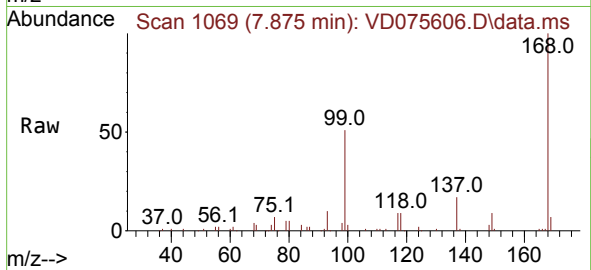
Tgt Ion: 75 Resp: 10177
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.6 36.8#



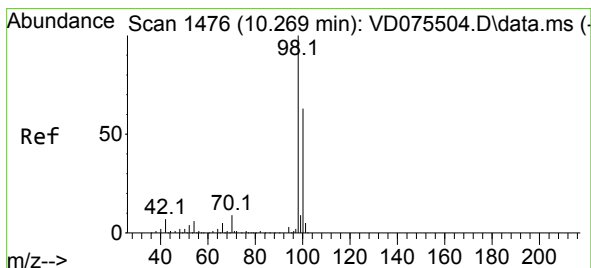
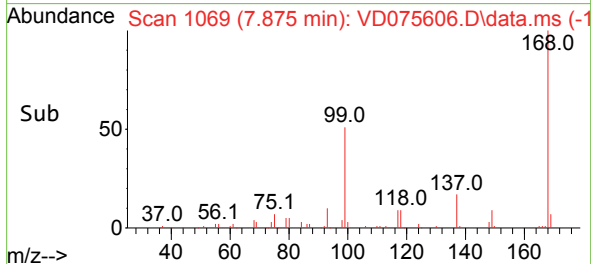
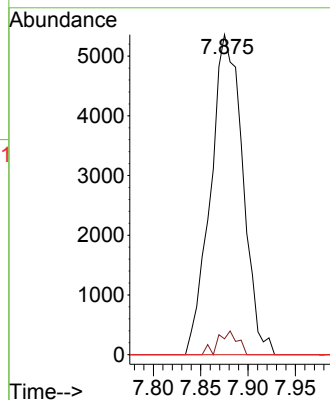


#38
Carbon Tetrachloride
Concen: 5.262 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075606.D
Acq: 07 Apr 2023 17:42

Instrument :
MSVOA_D
ClientSampleId :
72-11929RE

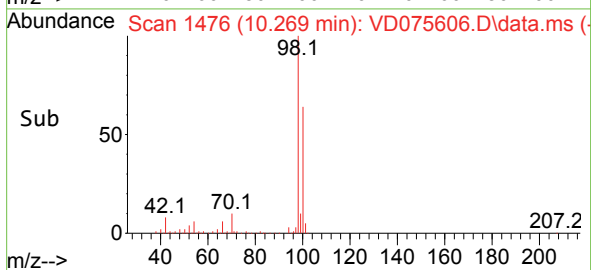
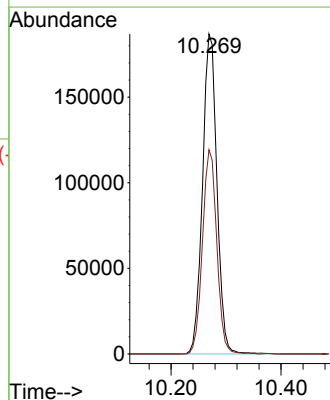
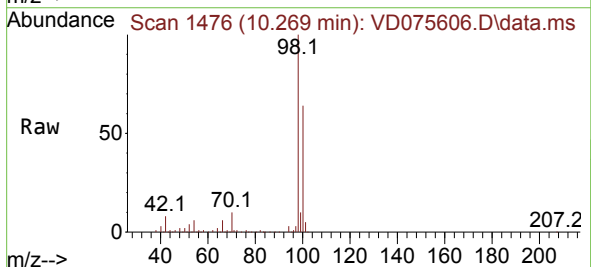


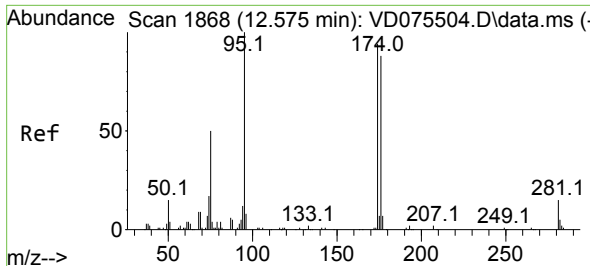
Tgt Ion:117 Resp: 12661
Ion Ratio Lower Upper
117 100
119 4.9 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 50.790 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075606.D
Acq: 07 Apr 2023 17:42

Tgt Ion: 98 Resp: 339956
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1

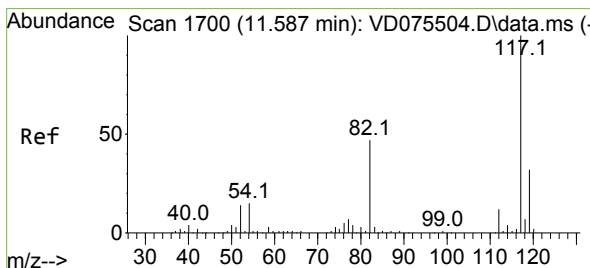
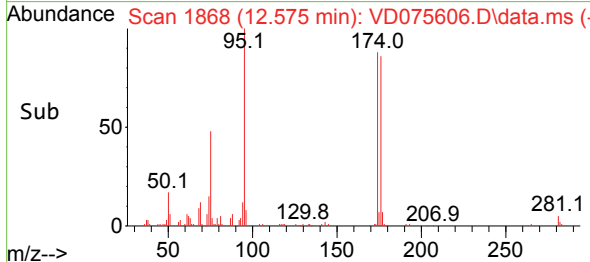
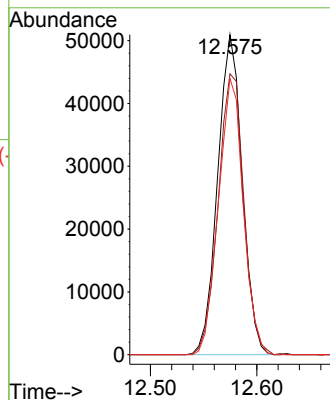
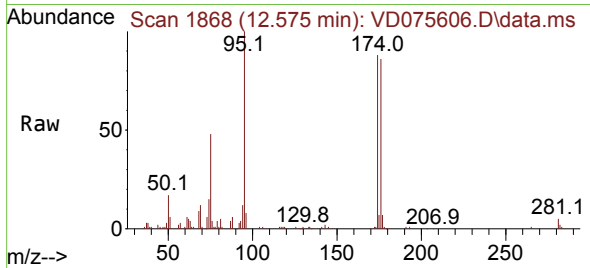




#62
4-Bromofluorobenzene
Concen: 42.067 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075606.D
Acq: 07 Apr 2023 17:42

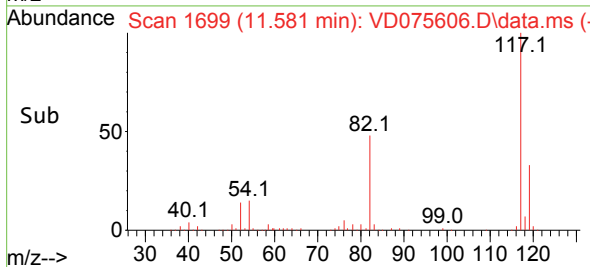
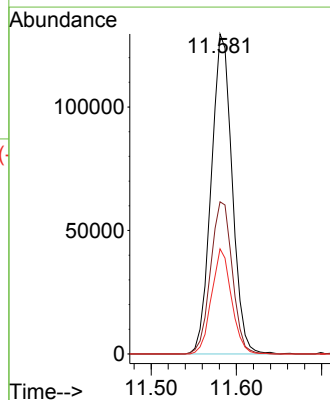
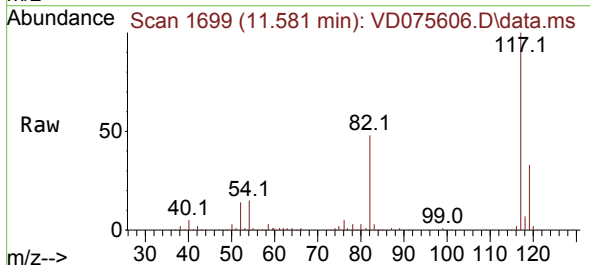
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ClientSampleId :
72-11929RE

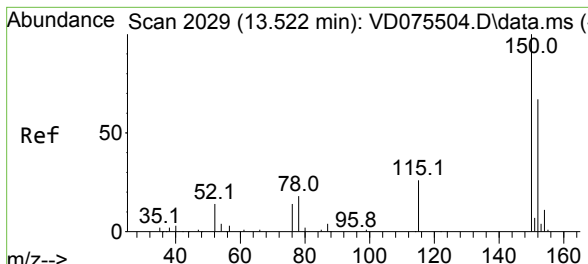
Tgt Ion: 95 Resp: 81396
Ion Ratio Lower Upper
95 100
174 91.8 0.0 164.0
176 87.4 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075606.D
Acq: 07 Apr 2023 17:42

Tgt Ion: 117 Resp: 220991
Ion Ratio Lower Upper
117 100
82 47.6 44.0 66.0
119 32.8 25.1 37.7

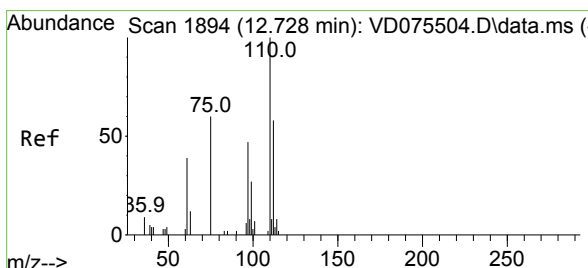
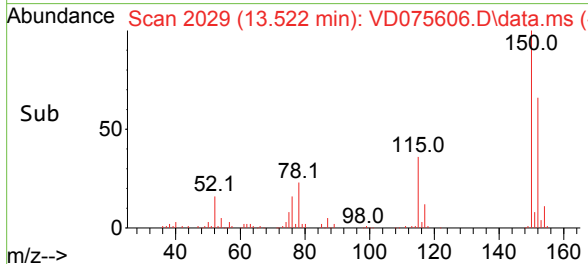
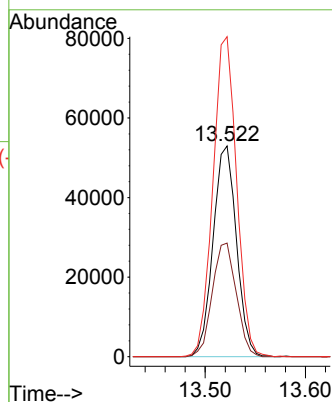
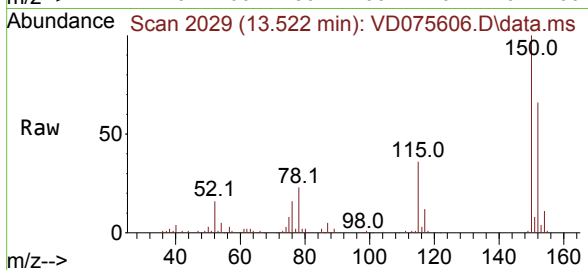




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075606.D
 Acq: 07 Apr 2023 17:42

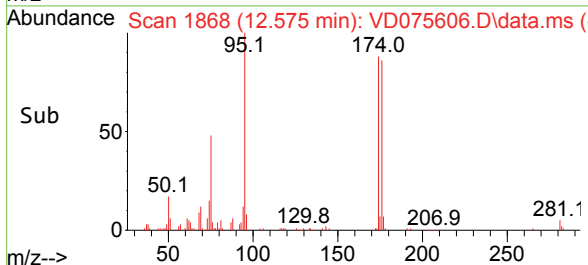
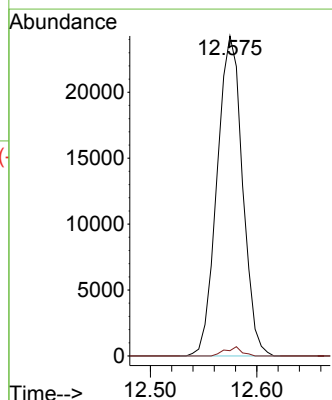
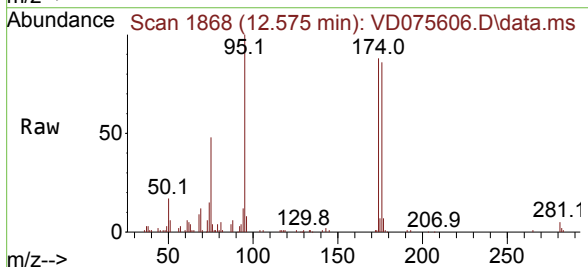
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929RE

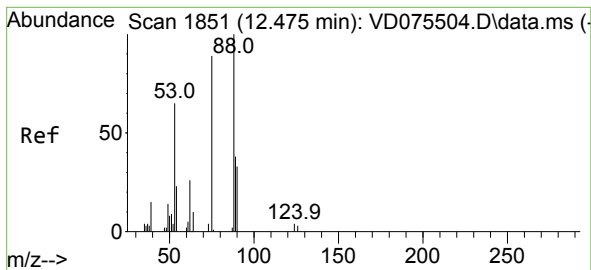
Tgt Ion:152 Resp: 85837
 Ion Ratio Lower Upper
 152 100
 115 55.3 30.1 90.3
 150 153.6 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 57.255 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075606.D
 Acq: 07 Apr 2023 17:42

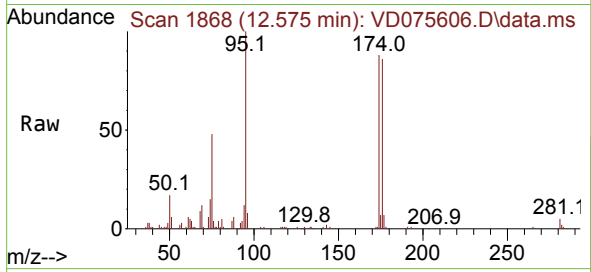
Tgt Ion: 75 Resp: 40307
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 120.432 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD075606.D
Acq: 07 Apr 2023 17:42

Instrument :
MSVOA_D
ClientSampleId :
72-11929RE



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	40.2	60.4#

