

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076287.D
 Acq On : 31 May 2023 15:39
 Operator : KP/SY
 Sample : 02971-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB16

Quant Time: May 31 16:08:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

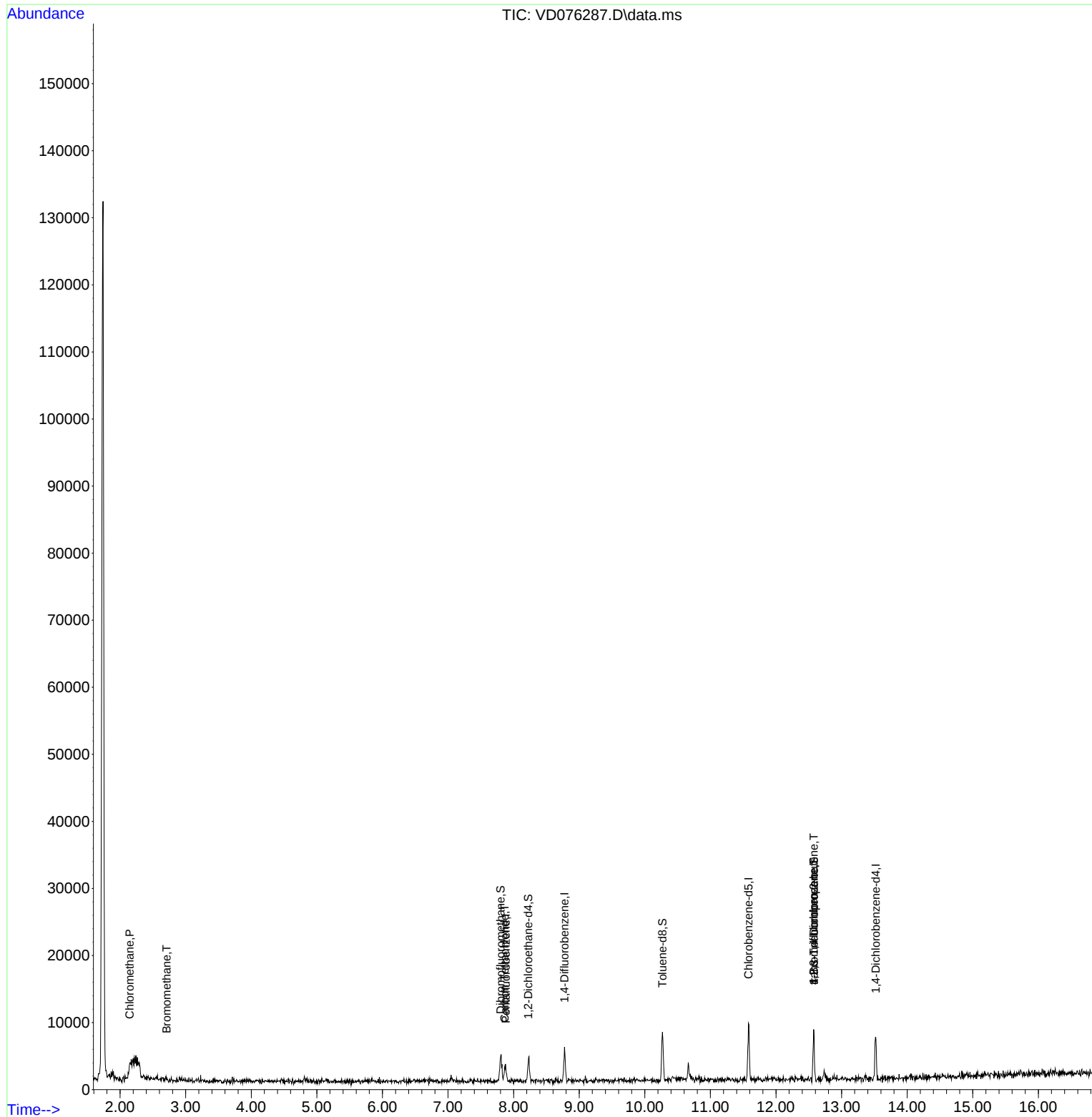
Internal Standards						
1) Pentafluorobenzene	7.881	168	2951	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	5749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	5767	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	2382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	2667	93.511	ug/l	-0.01
Spiked Amount	50.000	Range 50 - 163	Recovery	=	187.020%	#
35) Dibromofluoromethane	7.799	113	3124	78.615	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	157.220%	#
50) Toluene-d8	10.269	98	5891	38.029	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	76.060%	
62) 4-Bromofluorobenzene	12.575	95	2425	56.354	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	112.700%	
Target Compounds						
						Qvalue
3) Chloromethane	2.146	50	419	5.648	ug/l	# 40
5) Bromomethane	2.711	94	155	4.011	ug/l	92
20) Methylene Chloride	4.805	84	187	Below Cal	#	4
38) Carbon Tetrachloride	7.863	117	56	1.155	ug/l	# 13
76) 1,2,3-Trichloropropane	12.575	75	1247	59.824	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	1247	125.501	ug/l	# 5

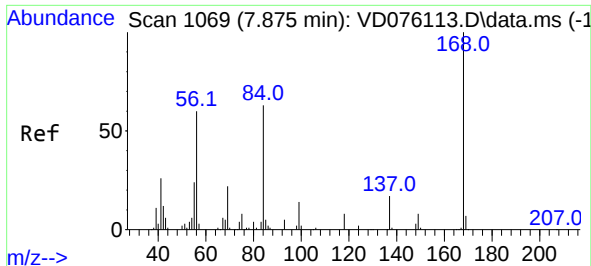
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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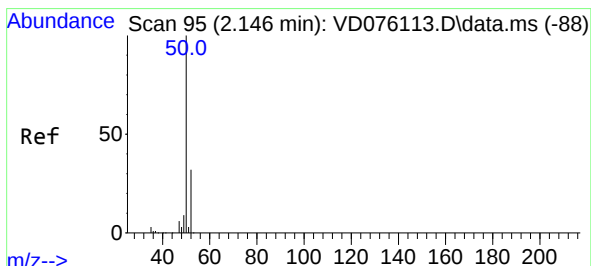
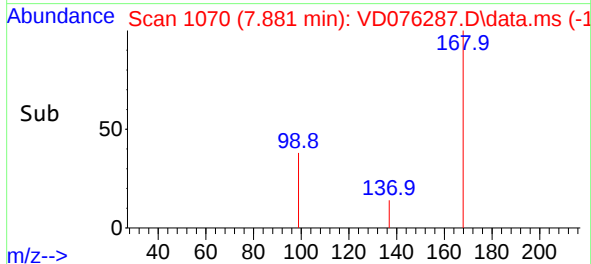
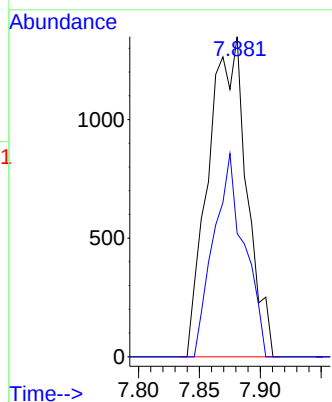
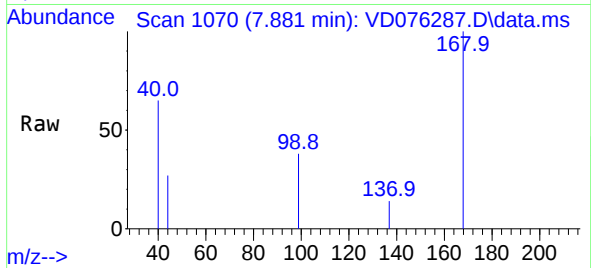




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

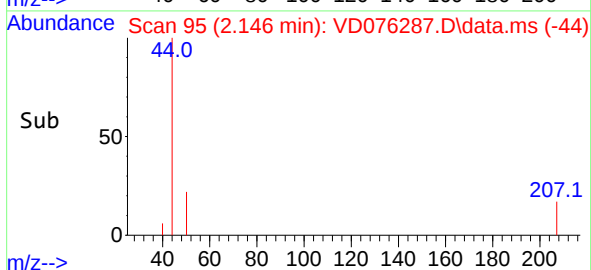
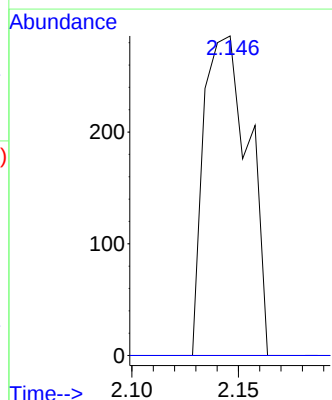
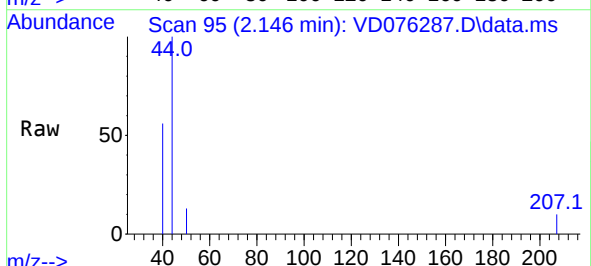
Instrument :
MSVOA_D
ClientSampleId :
SB16

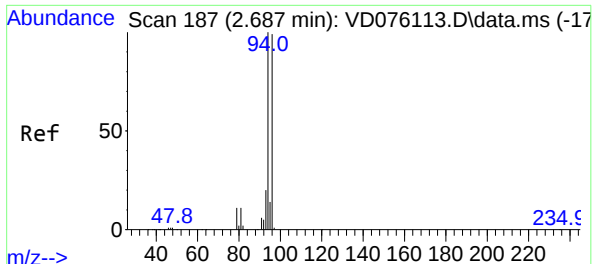
Tgt Ion:168 Resp: 2951
Ion Ratio Lower Upper
168 100
99 38.5 43.8 65.6#



#3
Chloromethane
Concen: 5.648 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

Tgt Ion: 50 Resp: 419
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

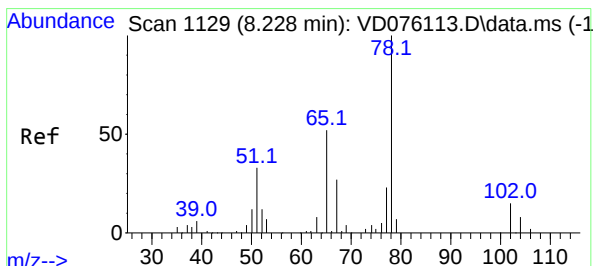
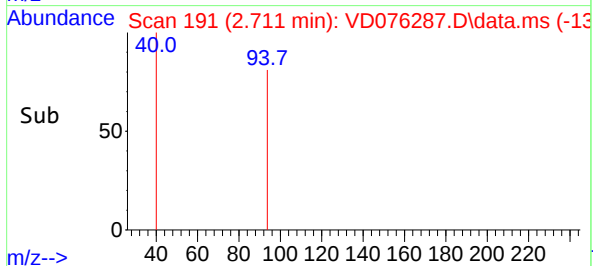
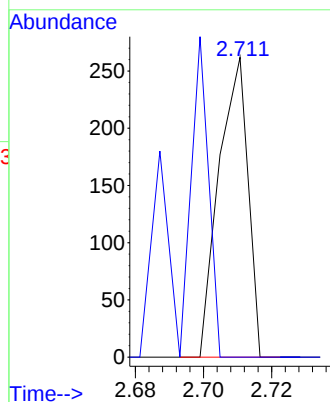
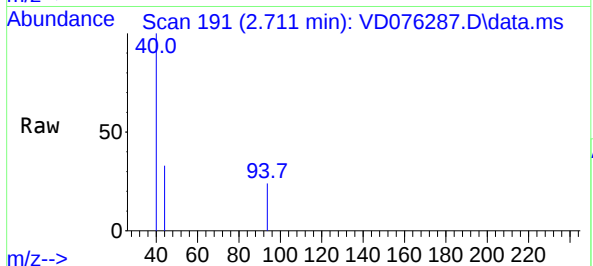




#5
Bromomethane
Concen: 4.011 ug/l
RT: 2.711 min Scan# 11
Delta R.T. 0.024 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

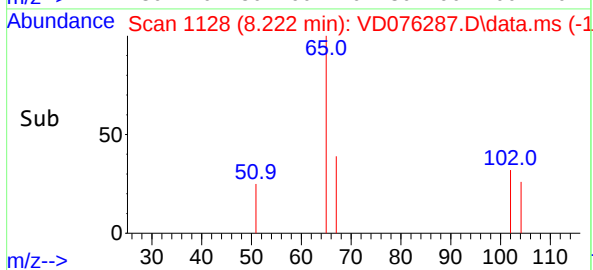
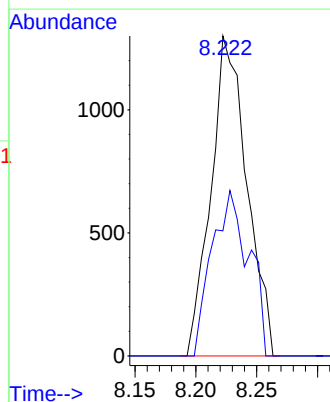
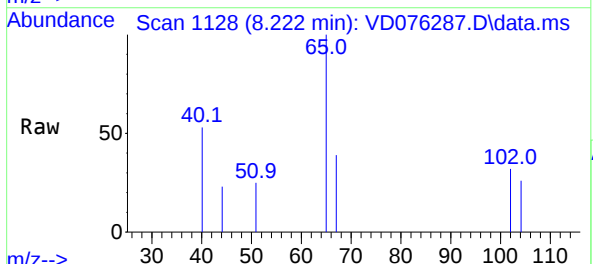
Instrument :
MSVOA_D
ClientSampleId :
SB16

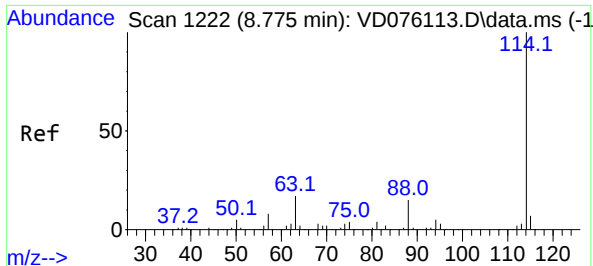
Tgt Ion: 94 Resp: 155
Ion Ratio Lower Upper
94 100
96 104.5 77.5 116.3



#33
1,2-Dichloroethane-d4
Concen: 93.511 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

Tgt Ion: 65 Resp: 2667
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.2

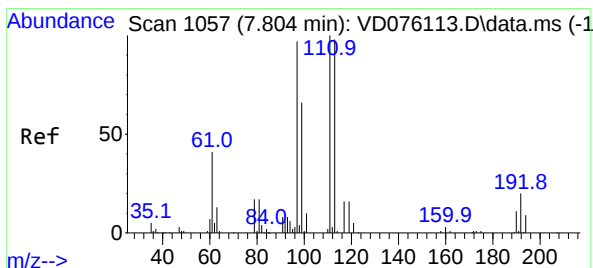
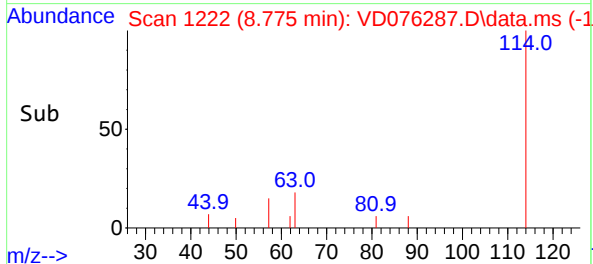
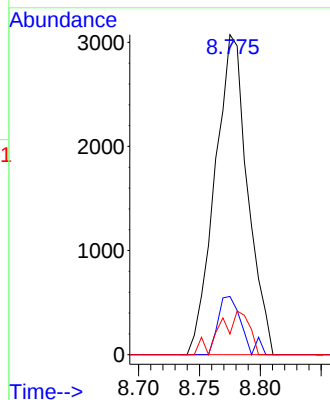
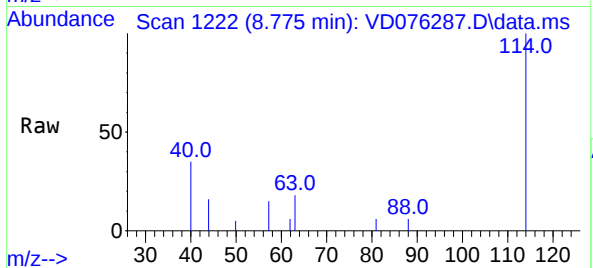




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

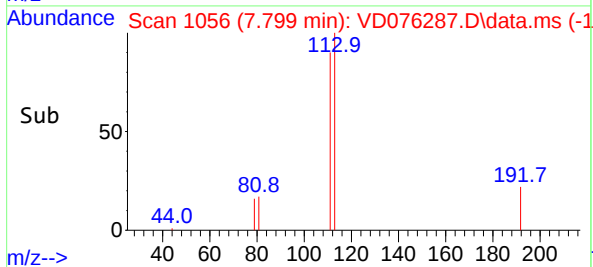
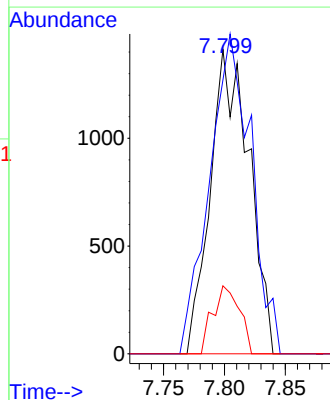
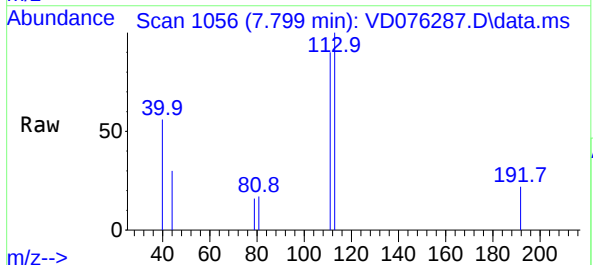
Instrument :
MSVOA_D
ClientSampleId :
SB16

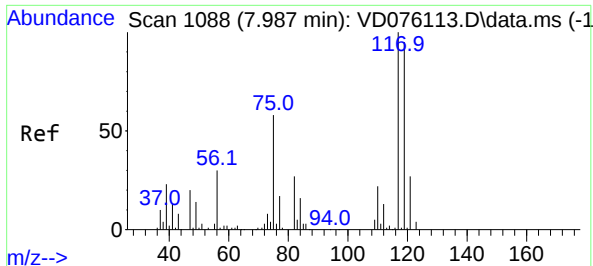
Tgt Ion:	114	Resp:	5749
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	41.6
88	6.4	0.0	30.6



#35
Dibromofluoromethane
Concen: 78.615 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

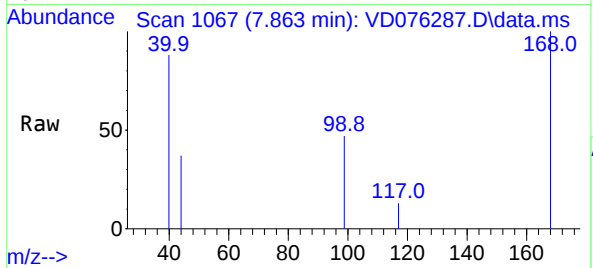
Tgt Ion:	113	Resp:	3124
Ion	Ratio	Lower	Upper
113	100		
111	112.6	81.4	122.0
192	15.4	15.2	22.8



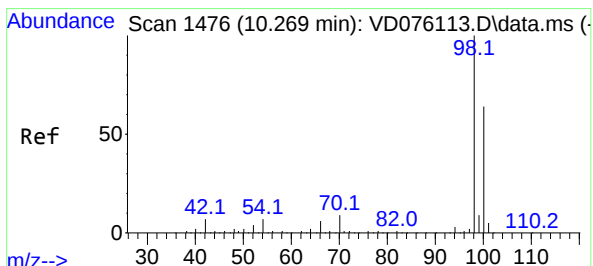
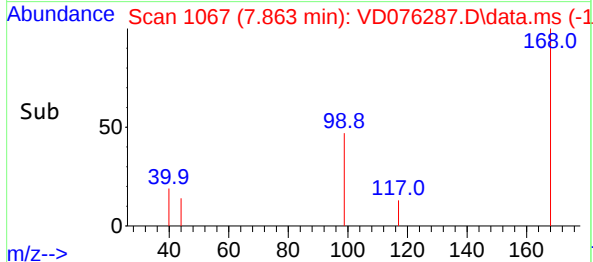
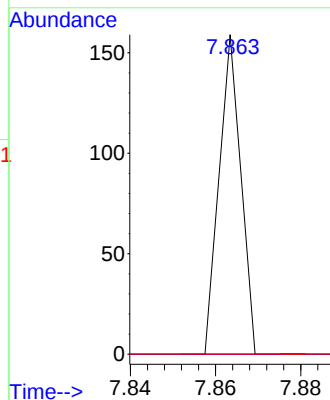


#38
Carbon Tetrachloride
Concen: 1.155 ug/l
RT: 7.863 min Scan# 1088
Delta R.T. -0.130 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

Instrument :
MSVOA_D
ClientSampleId :
SB16

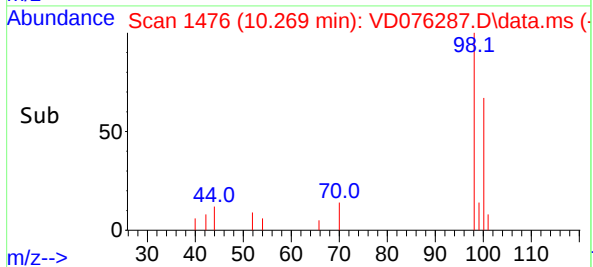
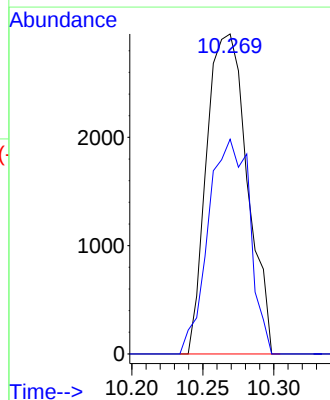
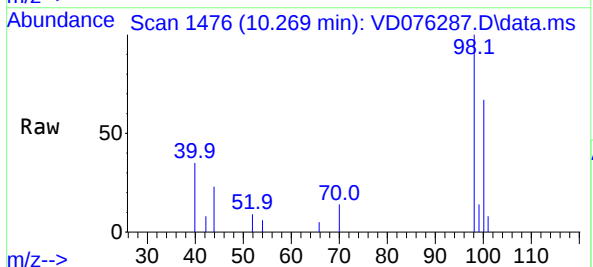


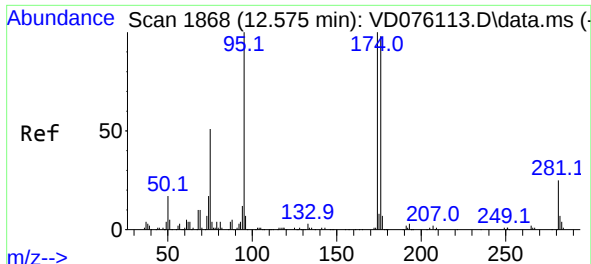
Tgt Ion:117 Resp: 56
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 38.029 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

Tgt Ion: 98 Resp: 5891
Ion Ratio Lower Upper
98 100
100 68.2 52.1 78.1

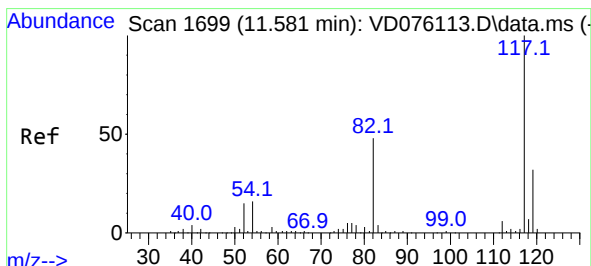
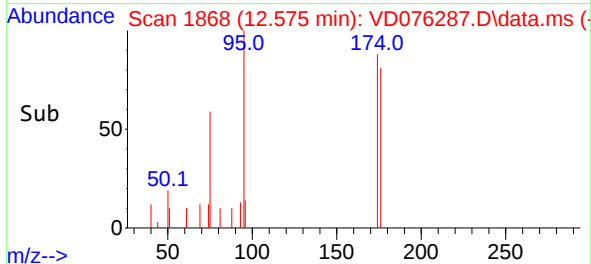
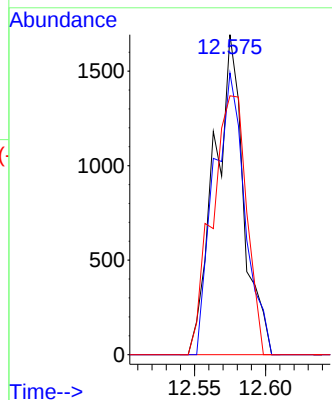
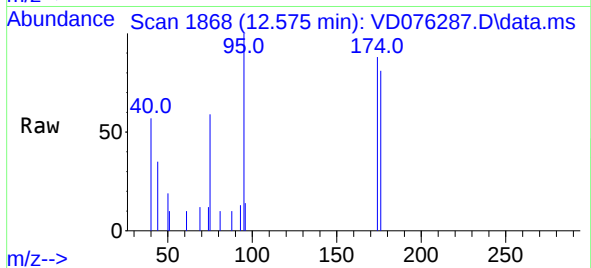




#62
4-Bromofluorobenzene
Concen: 56.354 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

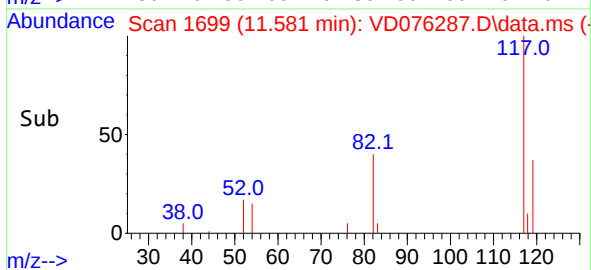
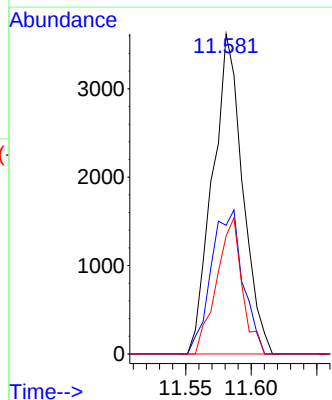
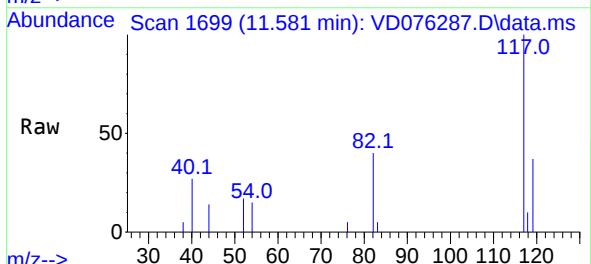
Instrument :
MSVOA_D
ClientSampleId :
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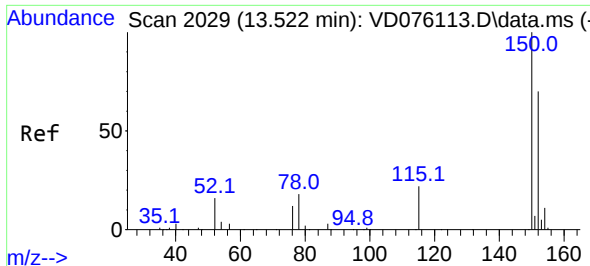
Tgt Ion: 95	Resp: 2425
Ion Ratio	Lower Upper
95 100	
174 93.6	0.0 164.0
176 95.6	0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

Tgt Ion:117	Resp:	5767	
Ion	Ratio	Lower	Upper
117	100		
82	40.2	44.0	66.0#
119	36.9	25.1	37.7

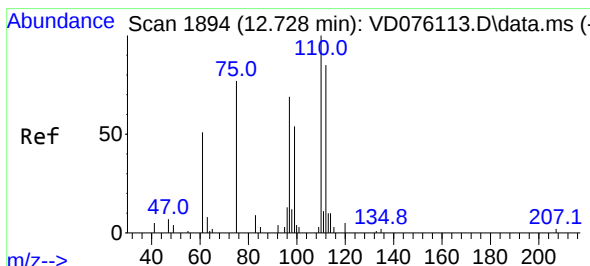
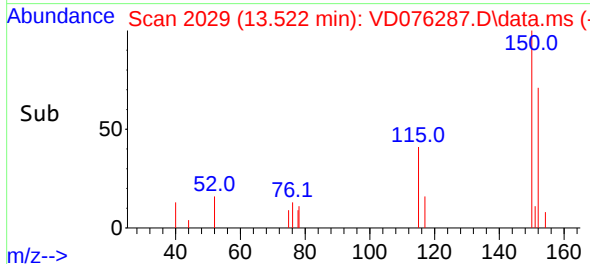
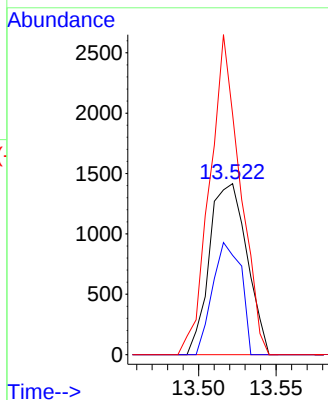
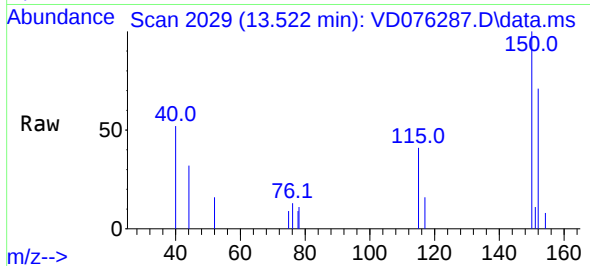




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD076287.D
 Acq: 31 May 2023 15:39

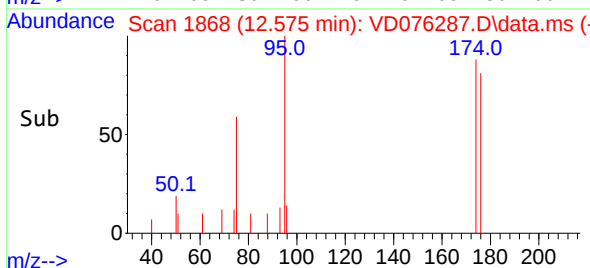
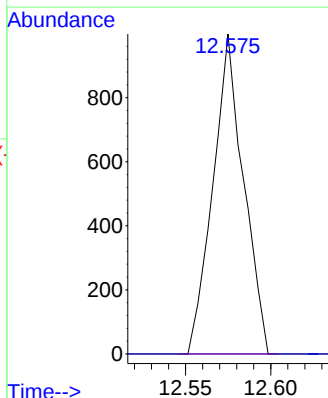
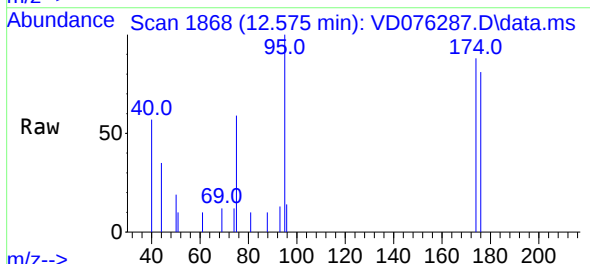
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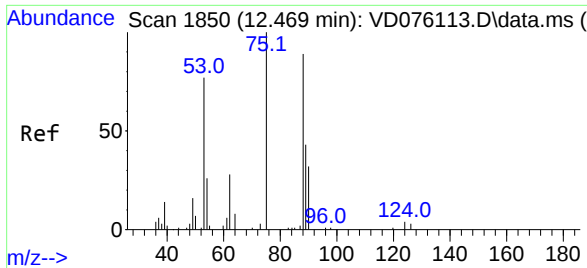
Tgt Ion:152 Resp: 2382
 Ion Ratio Lower Upper
 152 100
 115 49.9 30.1 90.3
 150 151.8 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 59.824 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076287.D
 Acq: 31 May 2023 15:39

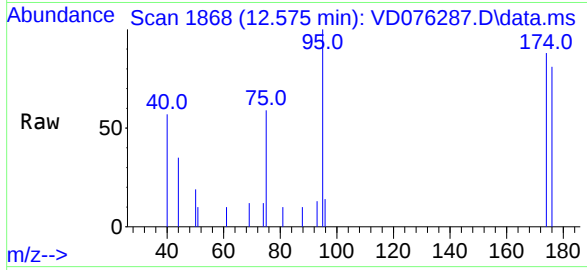
Tgt Ion: 75 Resp: 1247
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.501 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076287.D
 Acq: 31 May 2023 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 SB16



Tgt Ion: 75 Resp: 1247

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

