

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091322\
 Data File : VD074267.D
 Acq On : 13 Sep 2022 15:47
 Operator : VA/SY
 Sample : N4562-03
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-26524

Quant Time: Sep 14 01:55:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

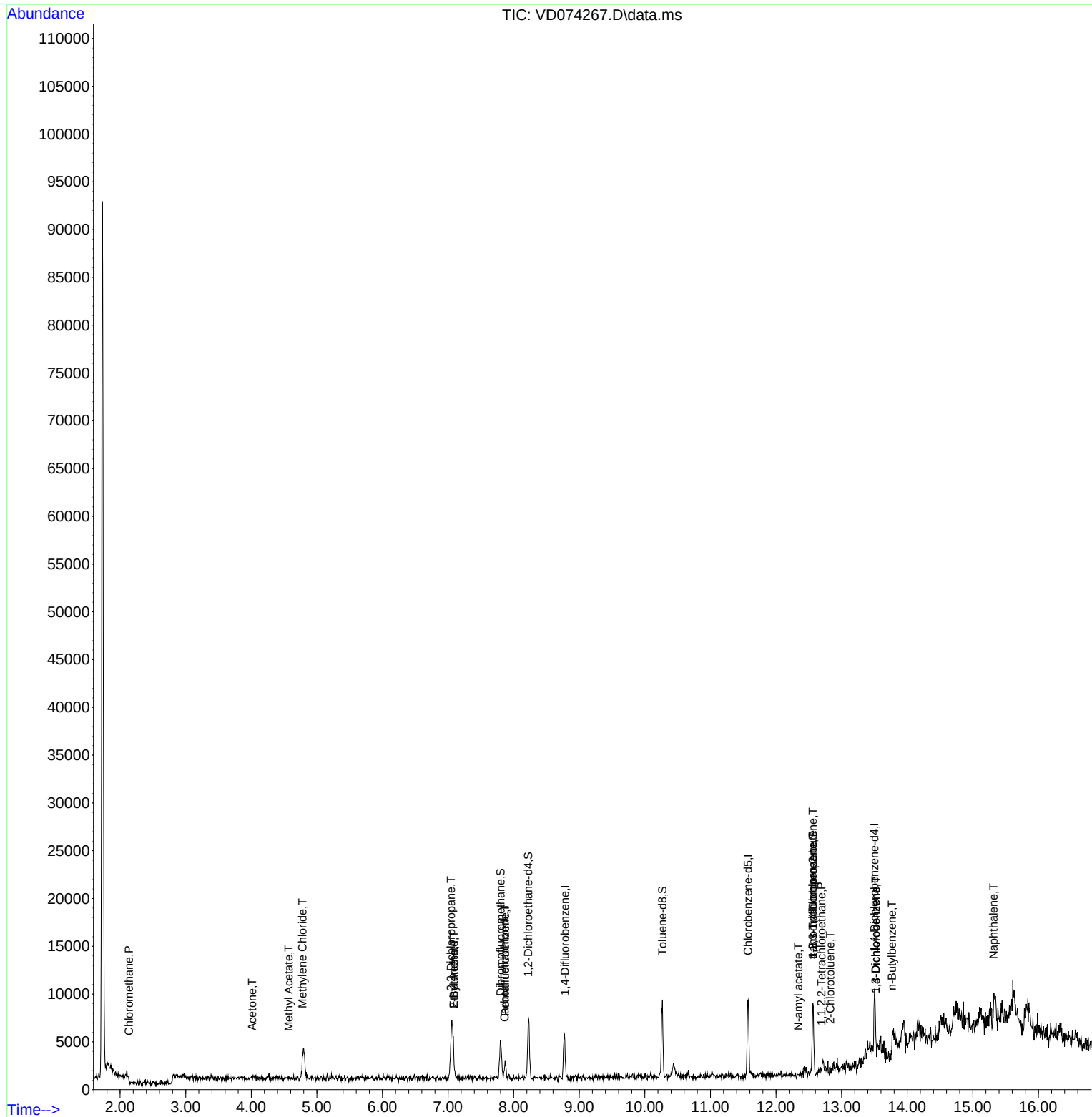
Internal Standards						
1) Pentafluorobenzene	7.869	168	2007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	5488	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.575	117	5353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.498	152	2161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	4862	237.615	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	475.240%#
35) Dibromofluoromethane	7.799	113	3206	89.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	179.860%#
50) Toluene-d8	10.269	98	6360	47.277	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.560%
62) 4-Bromofluorobenzene	12.563	95	2875	62.990	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	125.980%
Target Compounds						Qvalue
3) Chloromethane	2.134	50	55	3.666	ug/l #	42
16) Acetone	4.016	43	271	64.165	ug/l #	42
18) Methyl Acetate	4.569	43	60	4.246	ug/l #	51
20) Methylene Chloride	4.781	84	2407	99.606	ug/l #	86
25) 2-Butanone	7.087	43	128	18.171	ug/l #	48
26) 2,2-Dichloropropane	7.046	77	235	5.986	ug/l #	53
37) Ethyl Acetate	7.087	43	128	4.969	ug/l #	48
38) Carbon Tetrachloride	7.863	117	74	1.377	ug/l #	11
74) N-amyl acetate	12.340	43	63	1.463	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.692	83	131	3.935	ug/l #	25
76) 1,2,3-Trichloropropane	12.563	75	1335	60.261	ug/l #	100
79) 2-Chlorotoluene	12.828	91	196	1.616	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.563	75	1335	148.578	ug/l #	100
87) 1,3-Dichlorobenzene	13.522	146	89	1.088	ug/l #	19
88) 1,4-Dichlorobenzene	13.522	146	89	1.106	ug/l #	19
89) n-Butylbenzene	13.769	91	377	2.352	ug/l #	69
95) Naphthalene	15.316	128	514	5.592	ug/l #	68

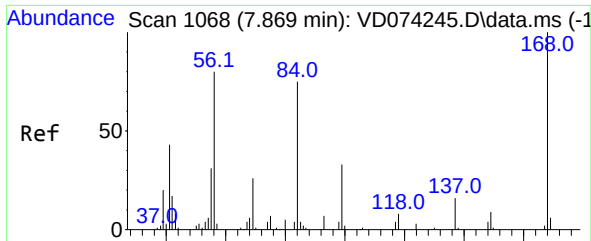
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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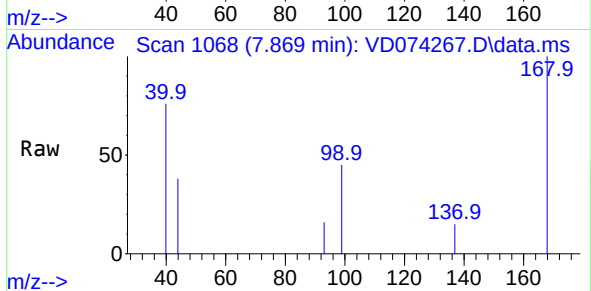
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 10 04:45:19 2022
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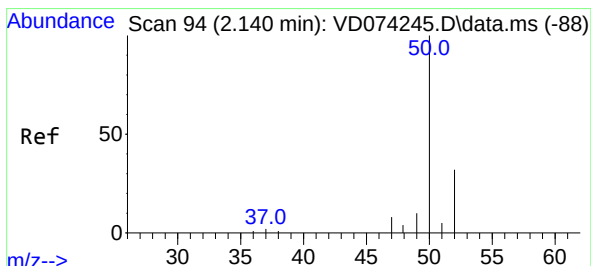
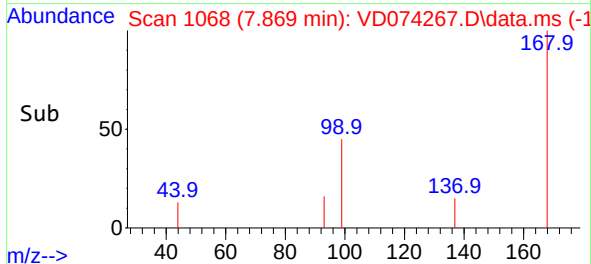
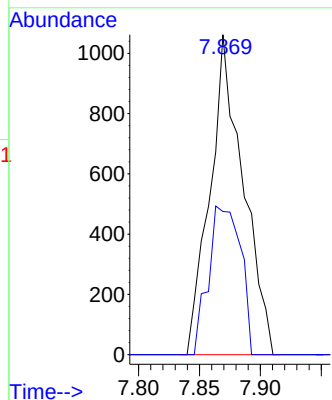


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524

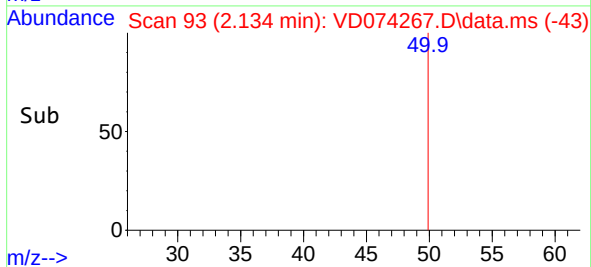
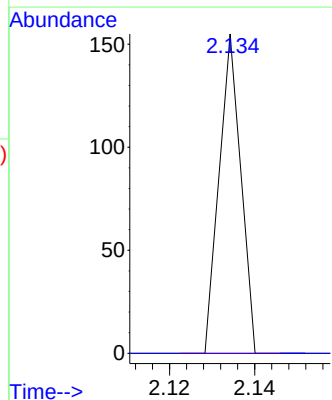
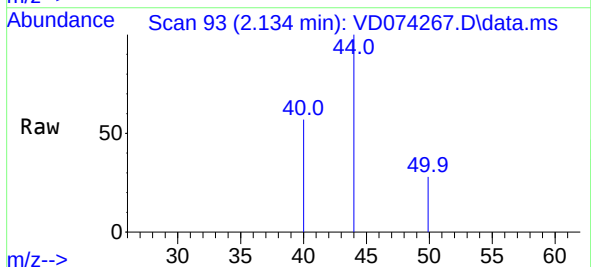


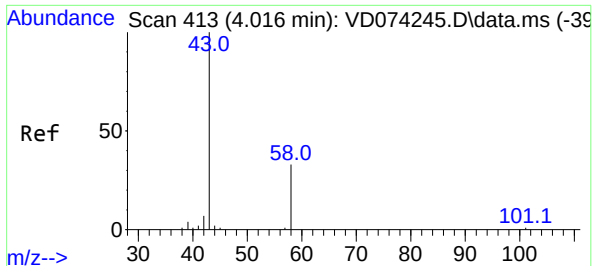
Tgt Ion:168 Resp: 2007
Ion Ratio Lower Upper
168 100
99 44.7 43.0 64.6



#3
Chloromethane
Concen: 3.666 ug/l
RT: 2.134 min Scan# 93
Delta R.T. -0.006 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Tgt Ion: 50 Resp: 55
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

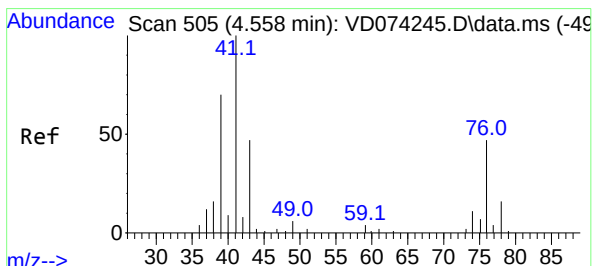
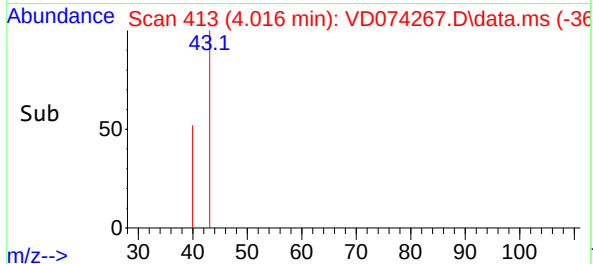
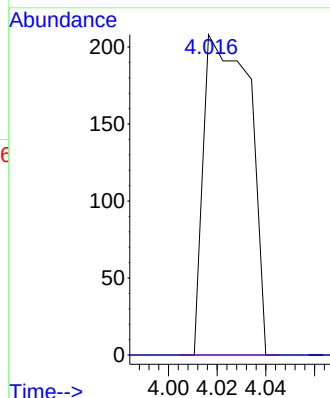
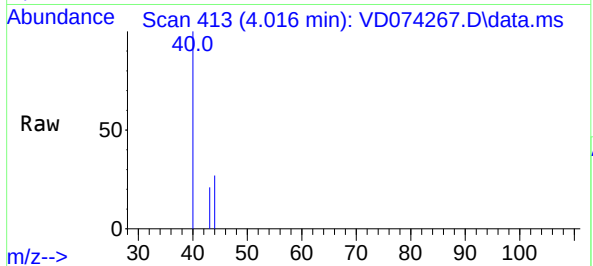




#16
Acetone
Concen: 64.165 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

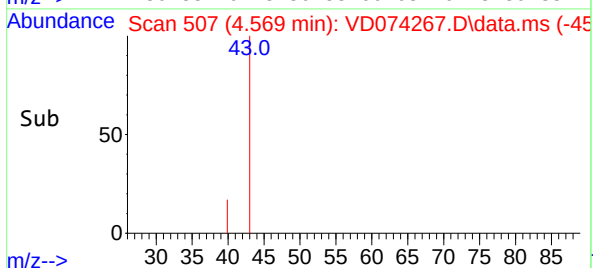
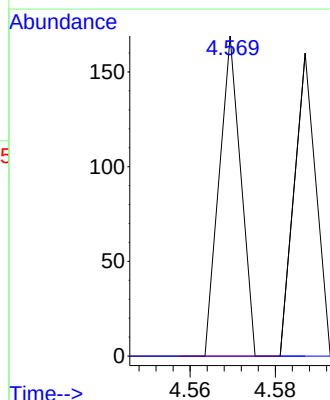
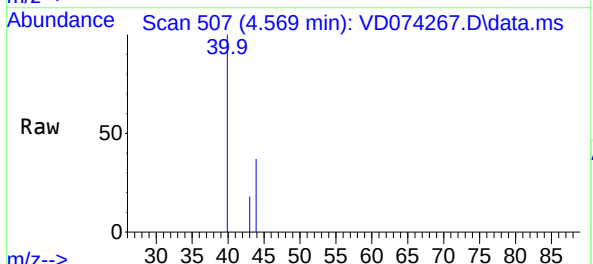
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524

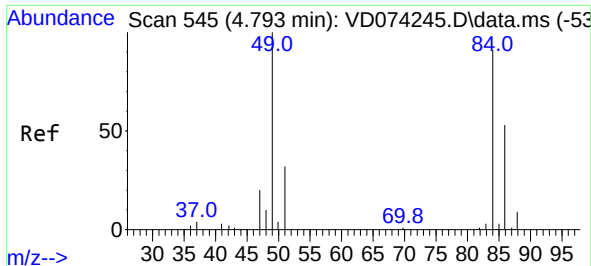
Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
58 0.0 26.4 39.6#



#18
Methyl Acetate
Concen: 4.246 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.012 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



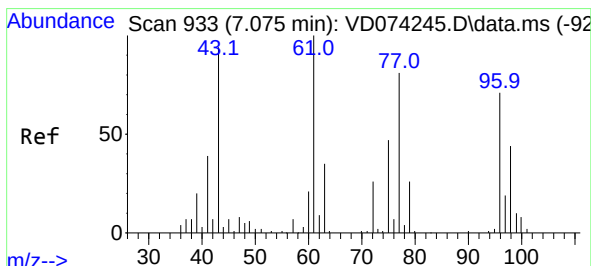
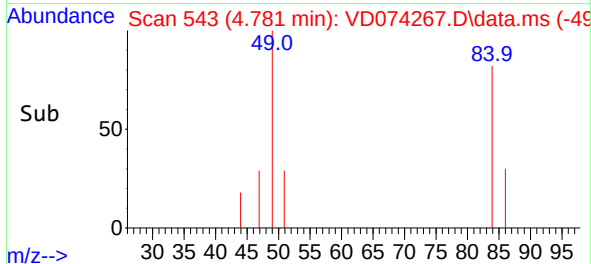
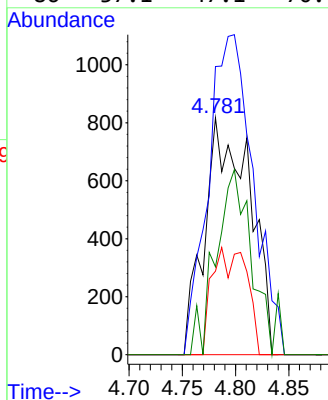
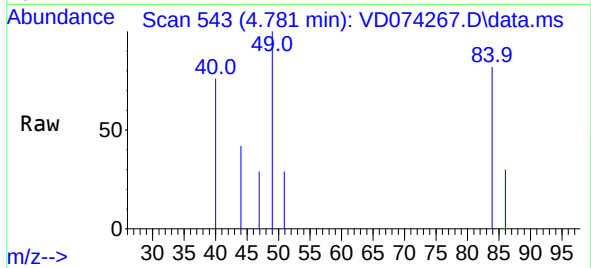


#20
Methylene Chloride
Concen: 99.606 ug/l
RT: 4.781 min Scan# 543
Delta R.T. -0.012 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524

Tgt Ion: 84 Resp: 2407

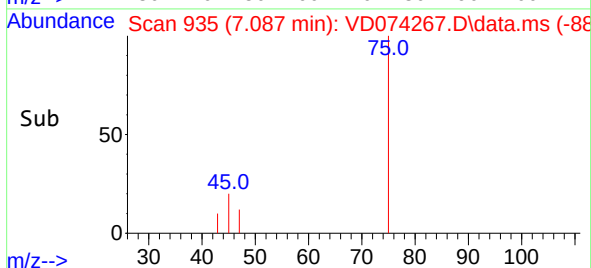
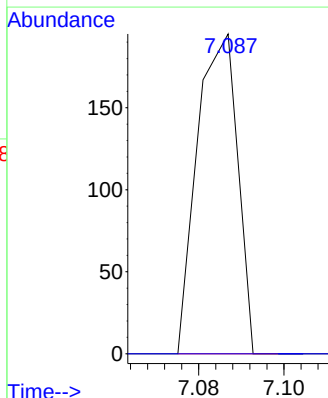
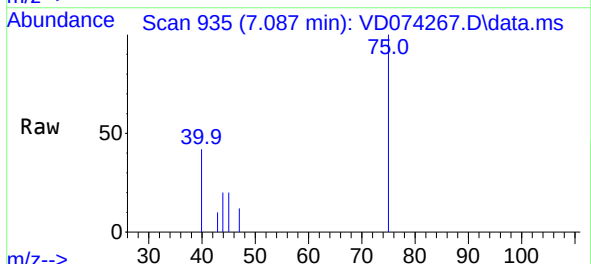
Ion	Ratio	Lower	Upper
84	100		
49	121.7	88.4	132.6
51	35.3	28.0	42.0
86	37.1	47.1	70.7

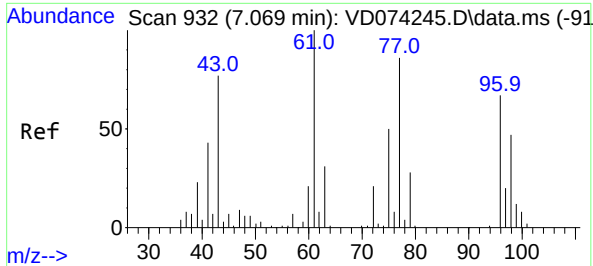


#25
2-Butanone
Concen: 18.171 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.012 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Tgt Ion: 43 Resp: 128

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.8	32.6

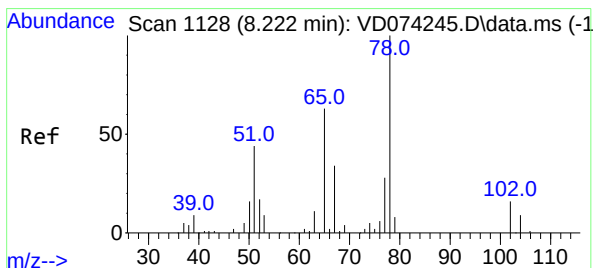
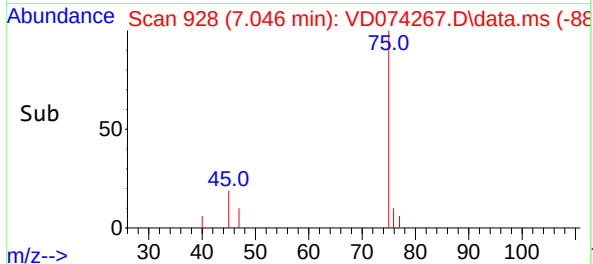
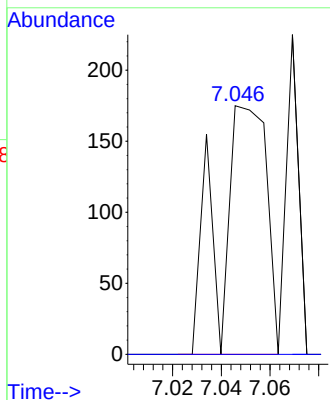
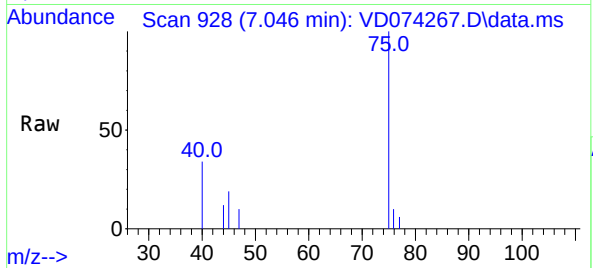




#26
2,2-Dichloropropane
Concen: 5.986 ug/l
RT: 7.046 min Scan# 91
Delta R.T. -0.024 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

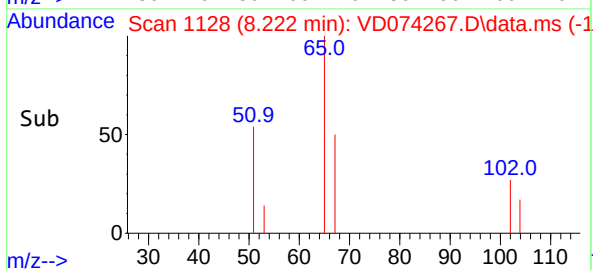
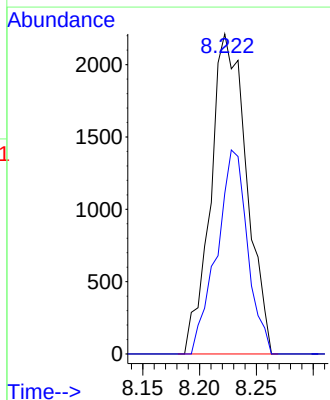
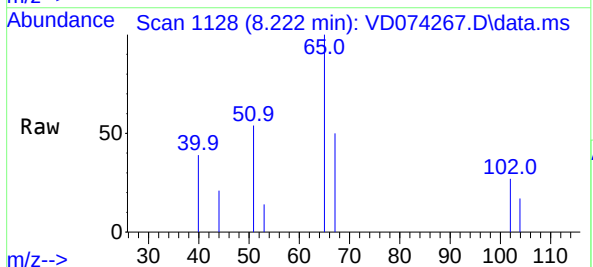
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524

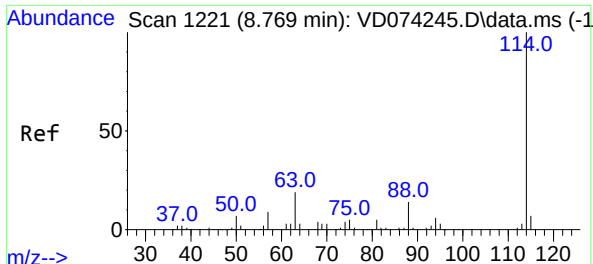
Tgt Ion: 77 Resp: 235
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.4#



#33
1,2-Dichloroethane-d4
Concen: 237.615 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Tgt Ion: 65 Resp: 4862
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.012 min

Lab File: VD074267.D

Acq: 13 Sep 2022 15:47

Instrument :

MSVOA_D

ClientSampleId :

CHRT-26524

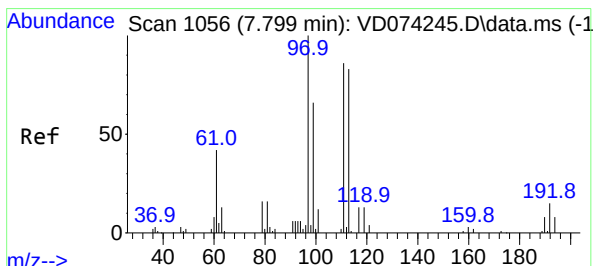
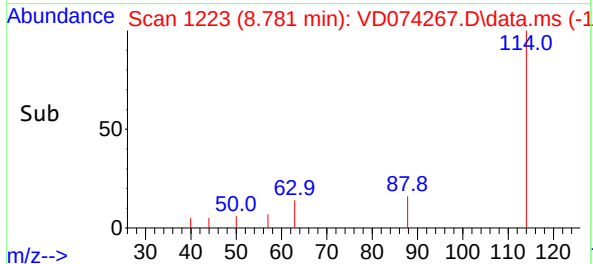
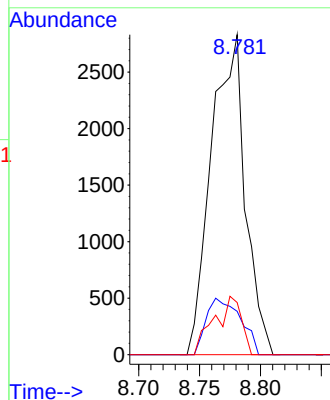
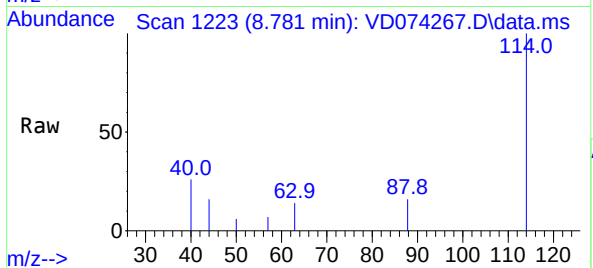
Tgt Ion:114 Resp: 5488

Ion Ratio Lower Upper

114 100

63 13.5 0.0 37.6

88 16.3 0.0 28.4



#35

Dibromofluoromethane

Concen: 89.928 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD074267.D

Acq: 13 Sep 2022 15:47

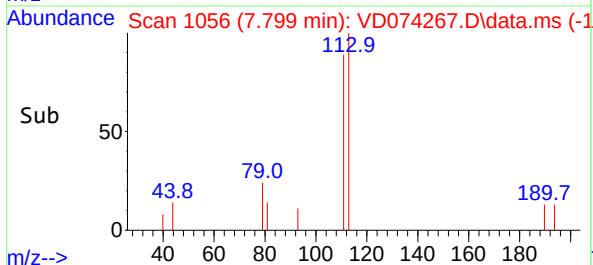
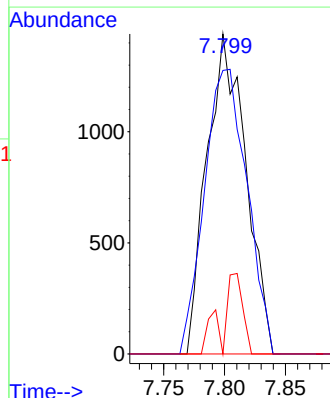
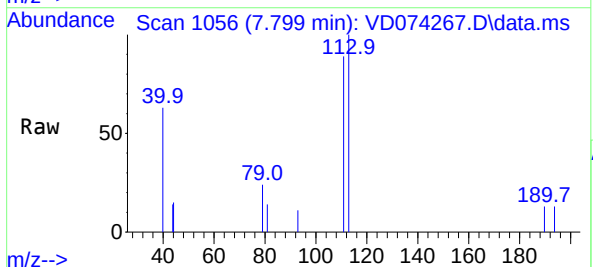
Tgt Ion:113 Resp: 3206

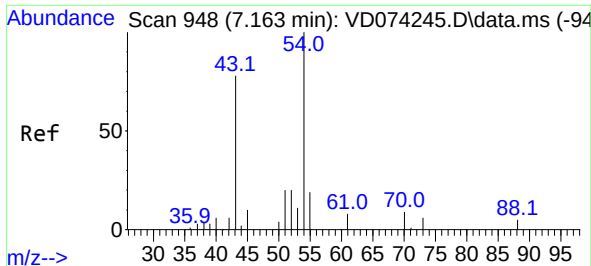
Ion Ratio Lower Upper

113 100

111 97.1 83.0 124.6

192 13.7 16.2 24.2#





#37

Ethyl Acetate

Concen: 4.969 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.076 min

Lab File: VD074267.D

Acq: 13 Sep 2022 15:47

Instrument :

MSVOA_D

ClientSampleId :

CHRT-26524

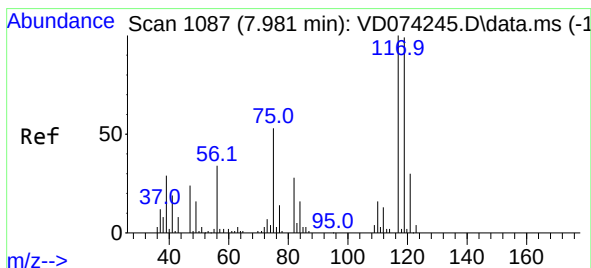
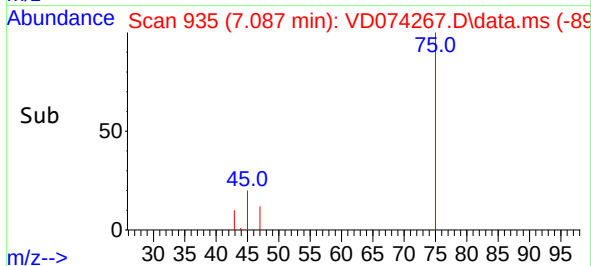
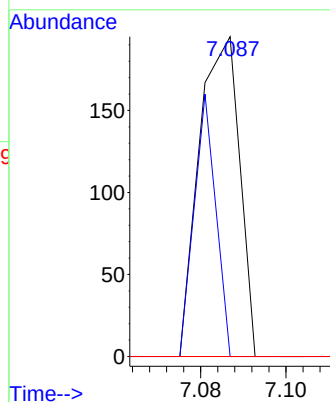
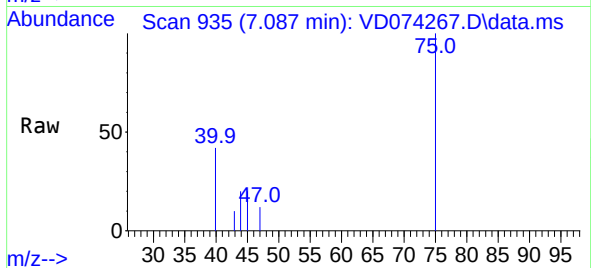
Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

61 43.8 12.1 18.1#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 1.377 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.118 min

Lab File: VD074267.D

Acq: 13 Sep 2022 15:47

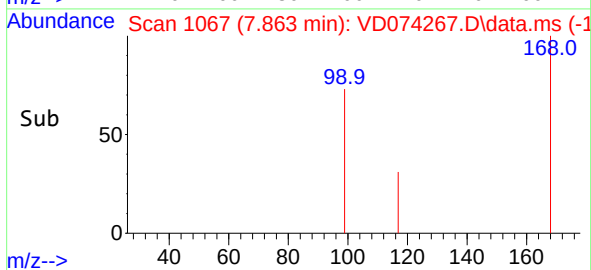
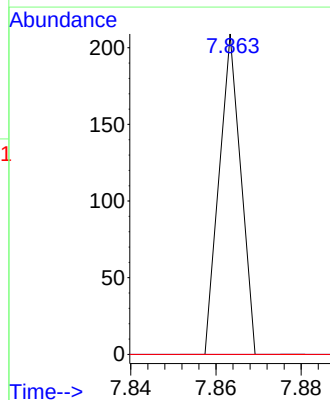
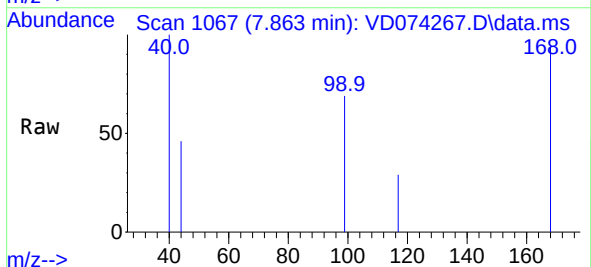
Tgt Ion: 117 Resp: 74

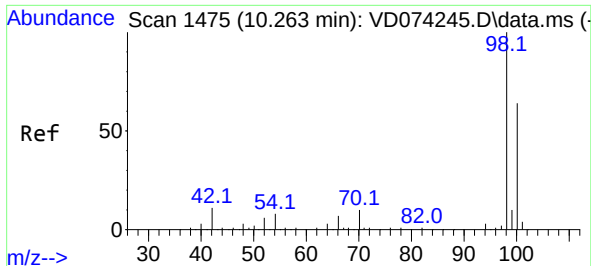
Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

121 0.0 23.9 35.9#

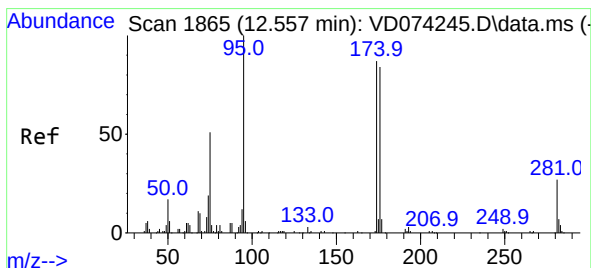
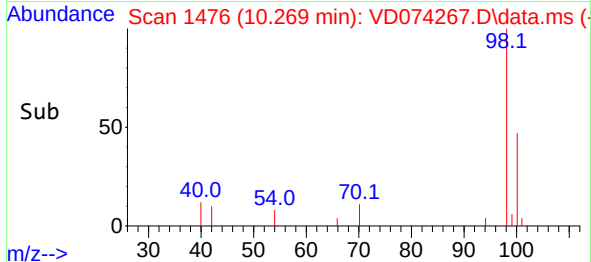
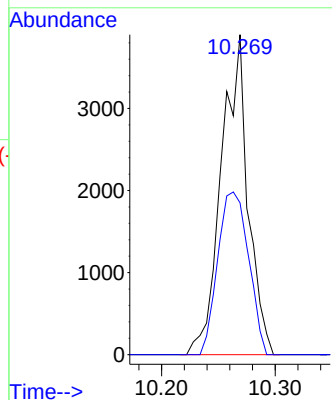
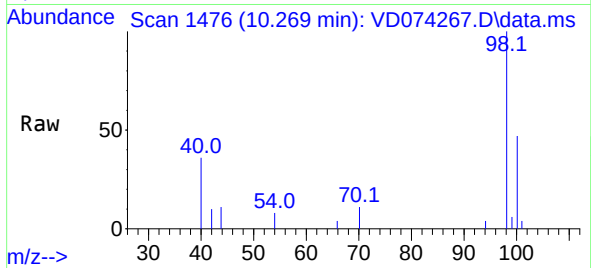




#50
Toluene-d8
Concen: 47.277 ug/l
RT: 10.269 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

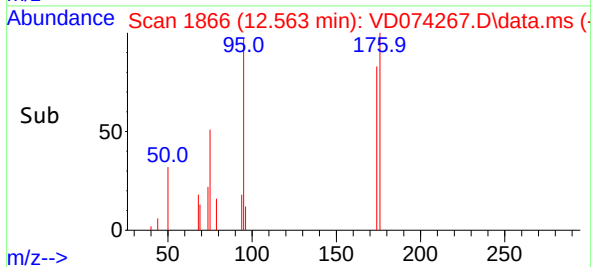
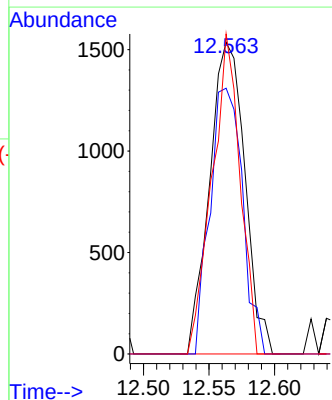
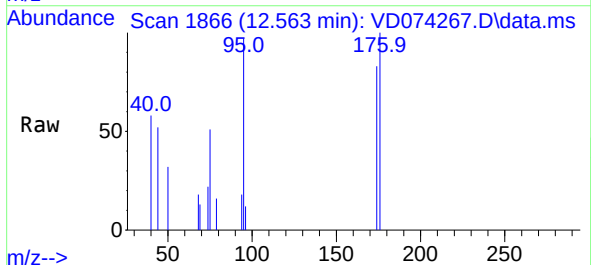
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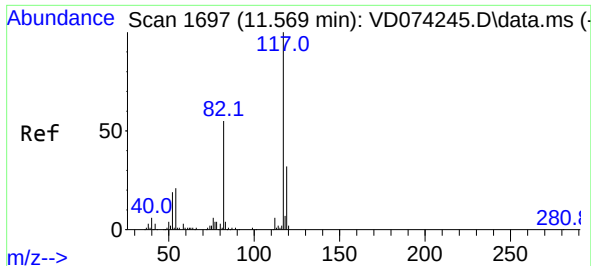
Tgt Ion: 98 Resp: 6360
Ion Ratio Lower Upper
98 100
100 58.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 62.990 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Tgt Ion: 95 Resp: 2875
Ion Ratio Lower Upper
95 100
174 78.6 0.0 179.2
176 81.7 0.0 171.4

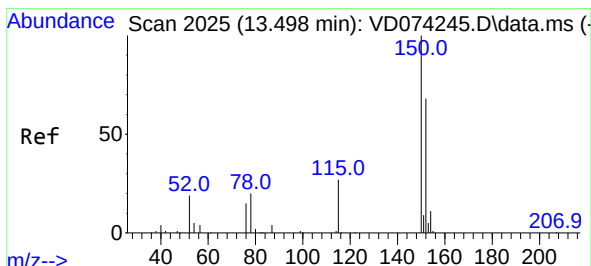
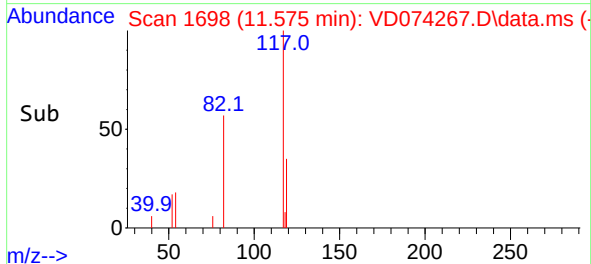
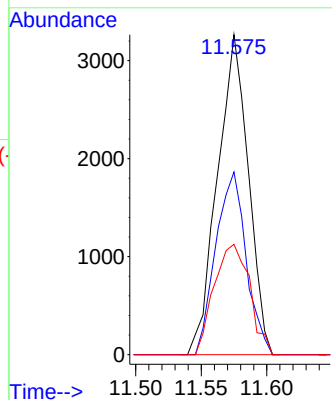
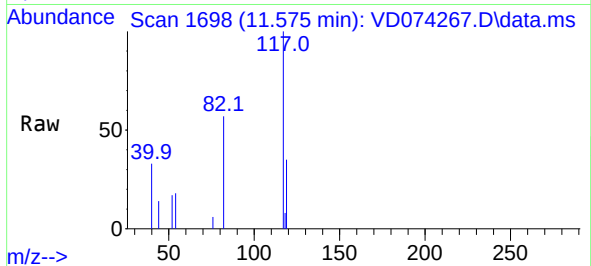




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

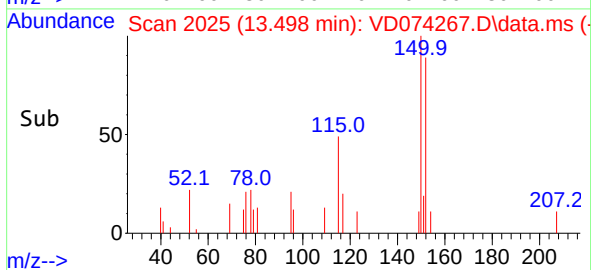
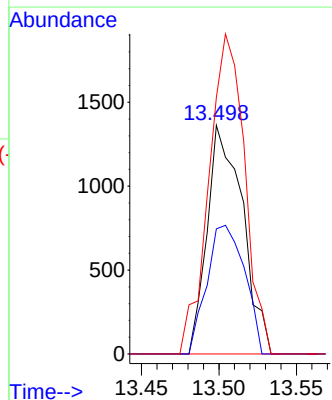
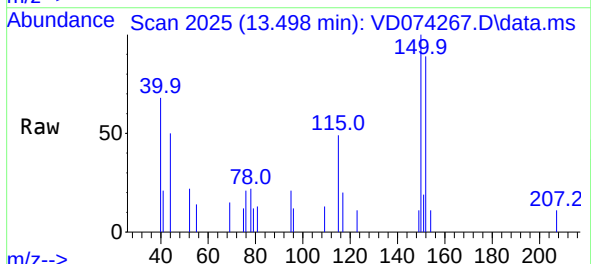
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524

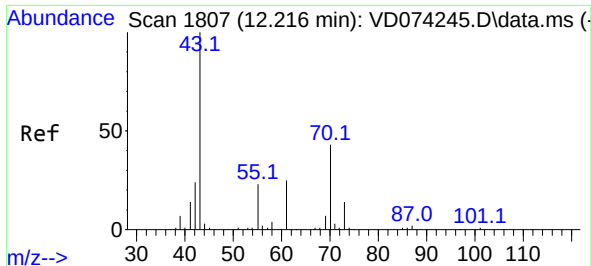
Tgt Ion:	117	Resp:	5353
Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.2	66.2
119	34.5	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.498 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Tgt Ion:	152	Resp:	2161
Ion	Ratio	Lower	Upper
152	100		
115	60.0	28.4	85.2
150	141.7	0.0	351.0

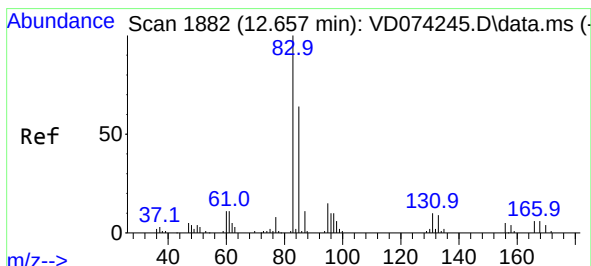
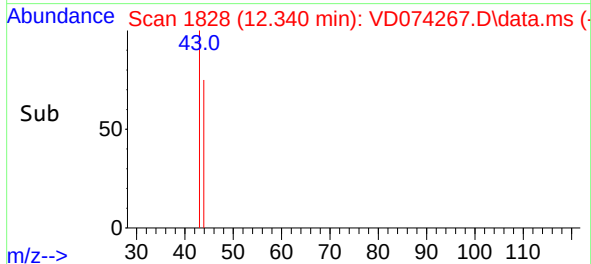
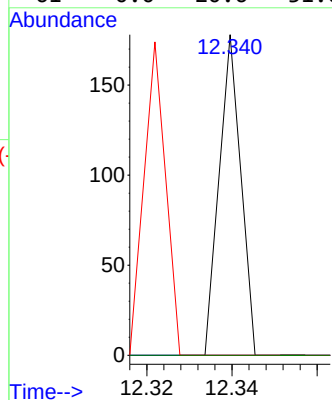
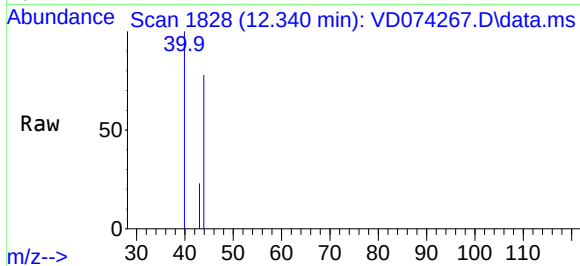




#74
N-amy1 acetate
Concen: 1.463 ug/l
RT: 12.340 min Scan# 1807
Delta R.T. 0.123 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

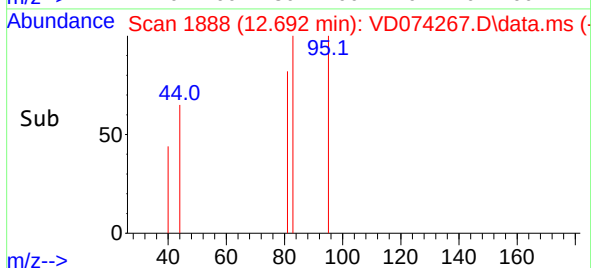
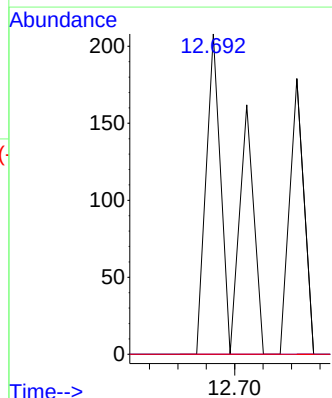
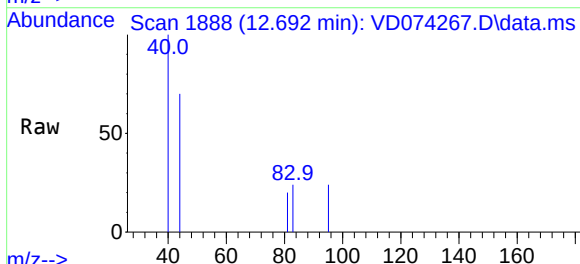
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524

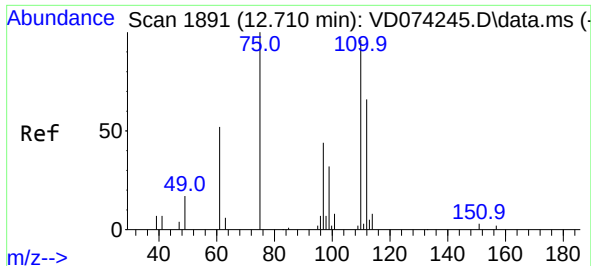
Tgt Ion: 43	Resp: 63
Ion Ratio	Lower Upper
43 100	
70 0.0	34.6 51.8#
55 96.8	18.2 27.2#
61 0.0	20.6 31.0#



#75
1,1,2,2-Tetrachloroethane
Concen: 3.935 ug/l
RT: 12.692 min Scan# 1888
Delta R.T. 0.035 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Tgt Ion: 83	Resp:	131	
Ion Ratio	Lower	Upper	
83 100			
131 0.0	4.9	14.7#	
85 0.0	32.3	96.9#	

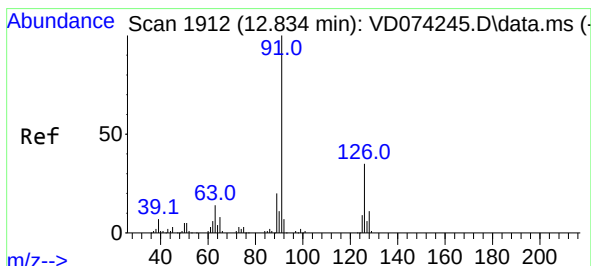
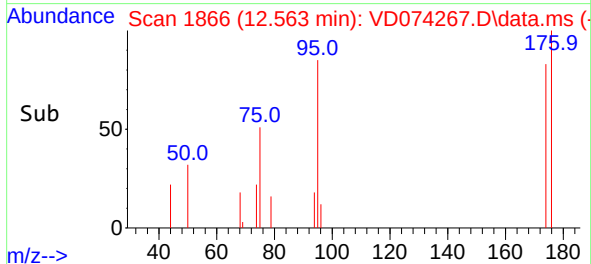
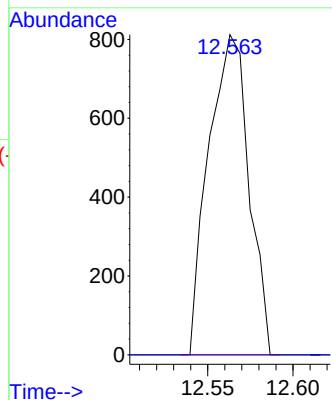
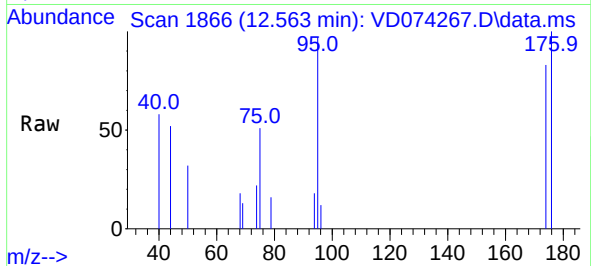




#76
1,2,3-Trichloropropane
Concen: 60.261 ug/l
RT: 12.563 min Scan# 11
Delta R.T. -0.147 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

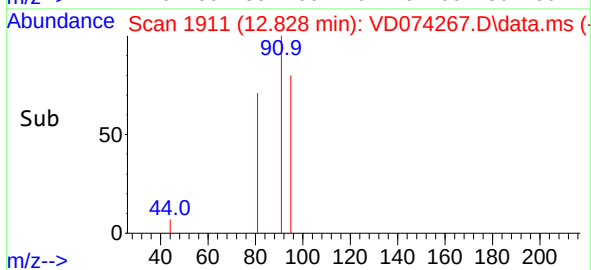
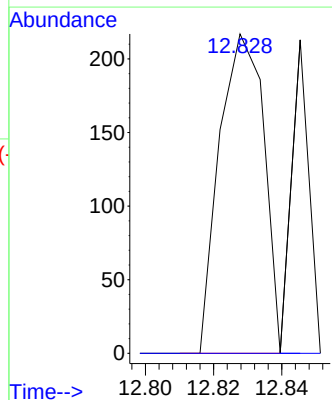
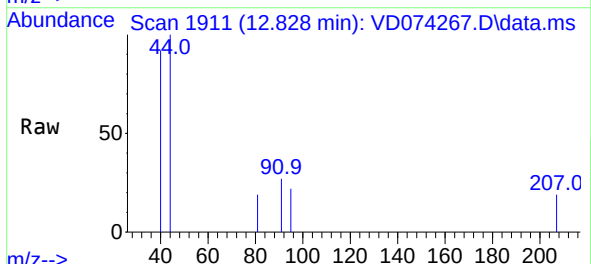
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524

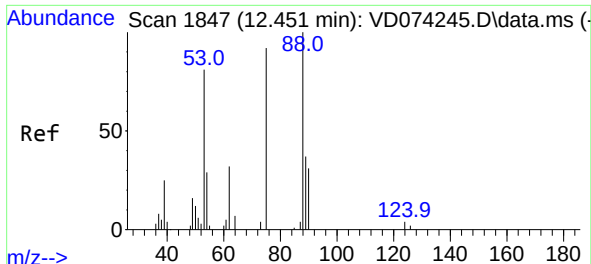
Tgt Ion: 75 Resp: 1335
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.616 ug/l
RT: 12.828 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Tgt Ion: 91 Resp: 196
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

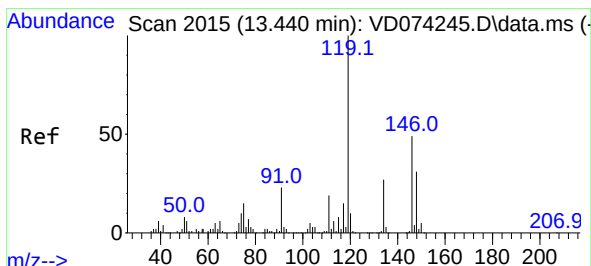
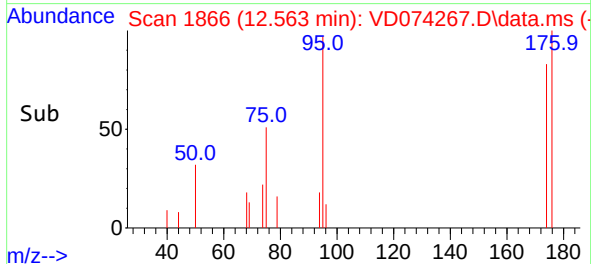
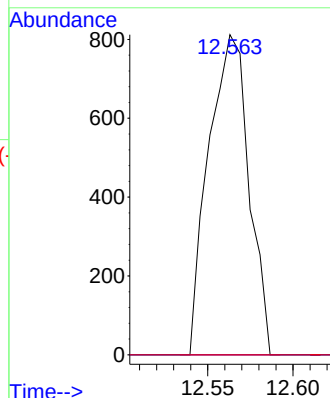
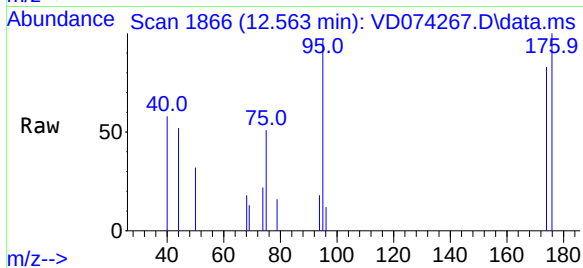




#81
trans-1,4-Dichloro-2-butene
Concen: 148.578 ug/l
RT: 12.563 min Scan# 11
Delta R.T. 0.112 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

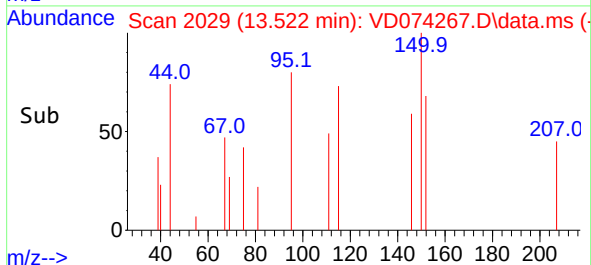
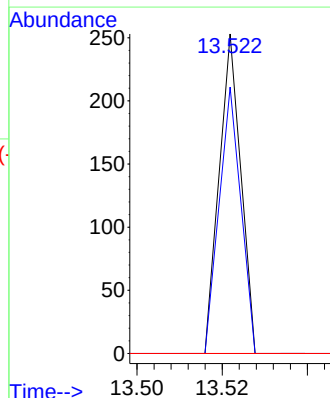
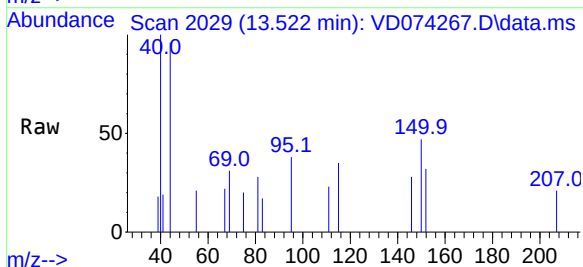
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524

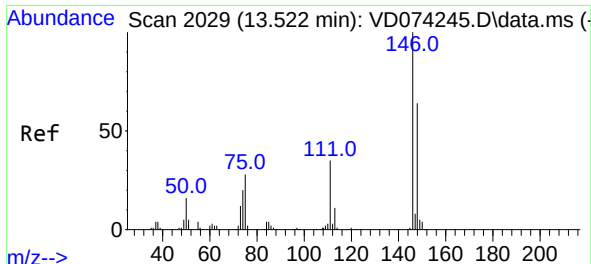
Tgt Ion:	75	Resp:	1335
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#87
1,3-Dichlorobenzene
Concen: 1.088 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.082 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Tgt Ion:	146	Resp:	89
Ion	Ratio	Lower	Upper
146	100		
111	83.1	18.1	54.4#
148	0.0	31.7	95.1#

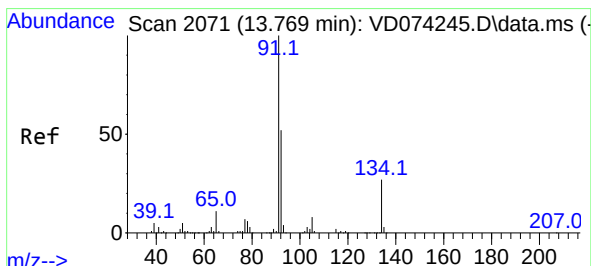
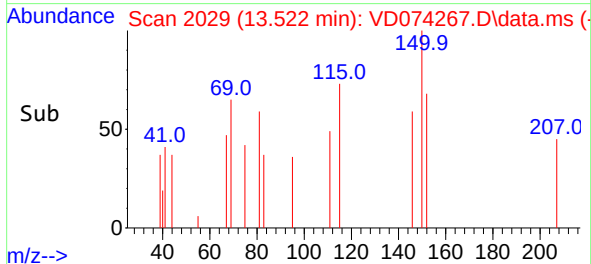
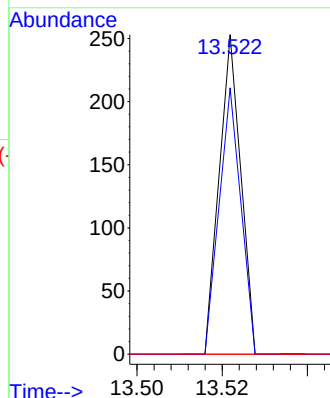
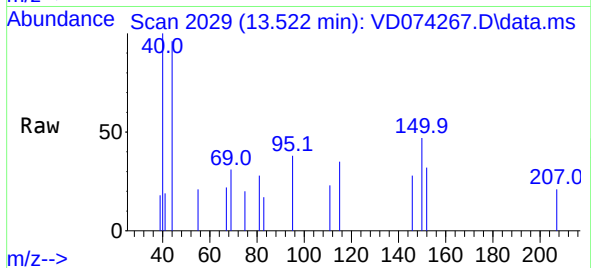




#88
1,4-Dichlorobenzene
Concen: 1.106 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

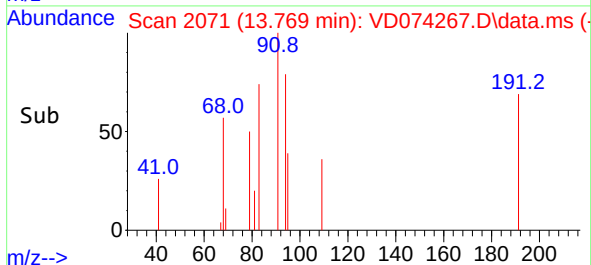
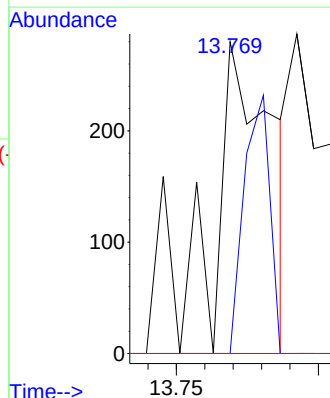
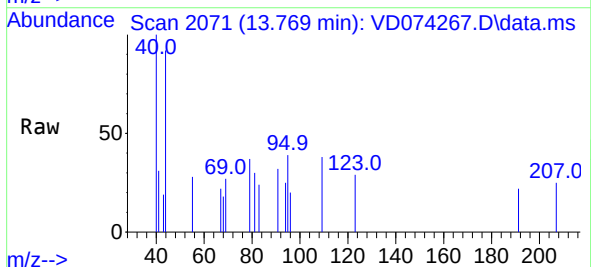
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524

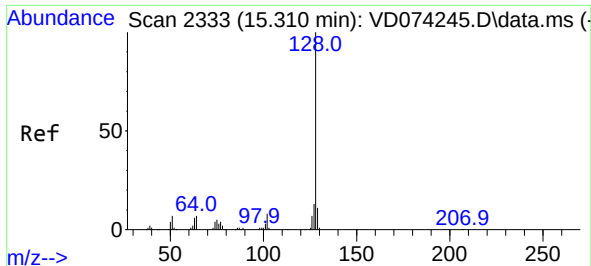
Tgt Ion:146 Resp: 89
Ion Ratio Lower Upper
146 100
111 83.1 18.4 55.2#
148 0.0 32.1 96.5#



#89
n-Butylbenzene
Concen: 2.352 ug/l
RT: 13.769 min Scan# 2071
Delta R.T. 0.000 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

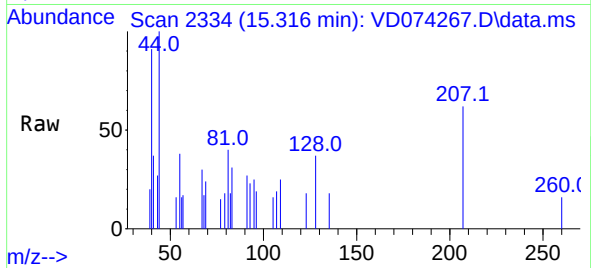
Tgt Ion: 91 Resp: 377
Ion Ratio Lower Upper
91 100
92 38.5 26.6 79.7
134 0.0 13.1 39.1#





#95
Naphthalene
Concen: 5.592 ug/l
RT: 15.316 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD074267.D
Acq: 13 Sep 2022 15:47

Instrument :
MSVOA_D
ClientSampleId :
CHRT-26524



Tgt Ion:	128	Resp:	514
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.9	16.3#
129	0.0	8.8	13.2#

