

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
 Data File : VD074619.D
 Acq On : 21 Oct 2022 16:49
 Operator : VA/SY
 Sample : N5218-21
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

Quant Time: Oct 21 23:11:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

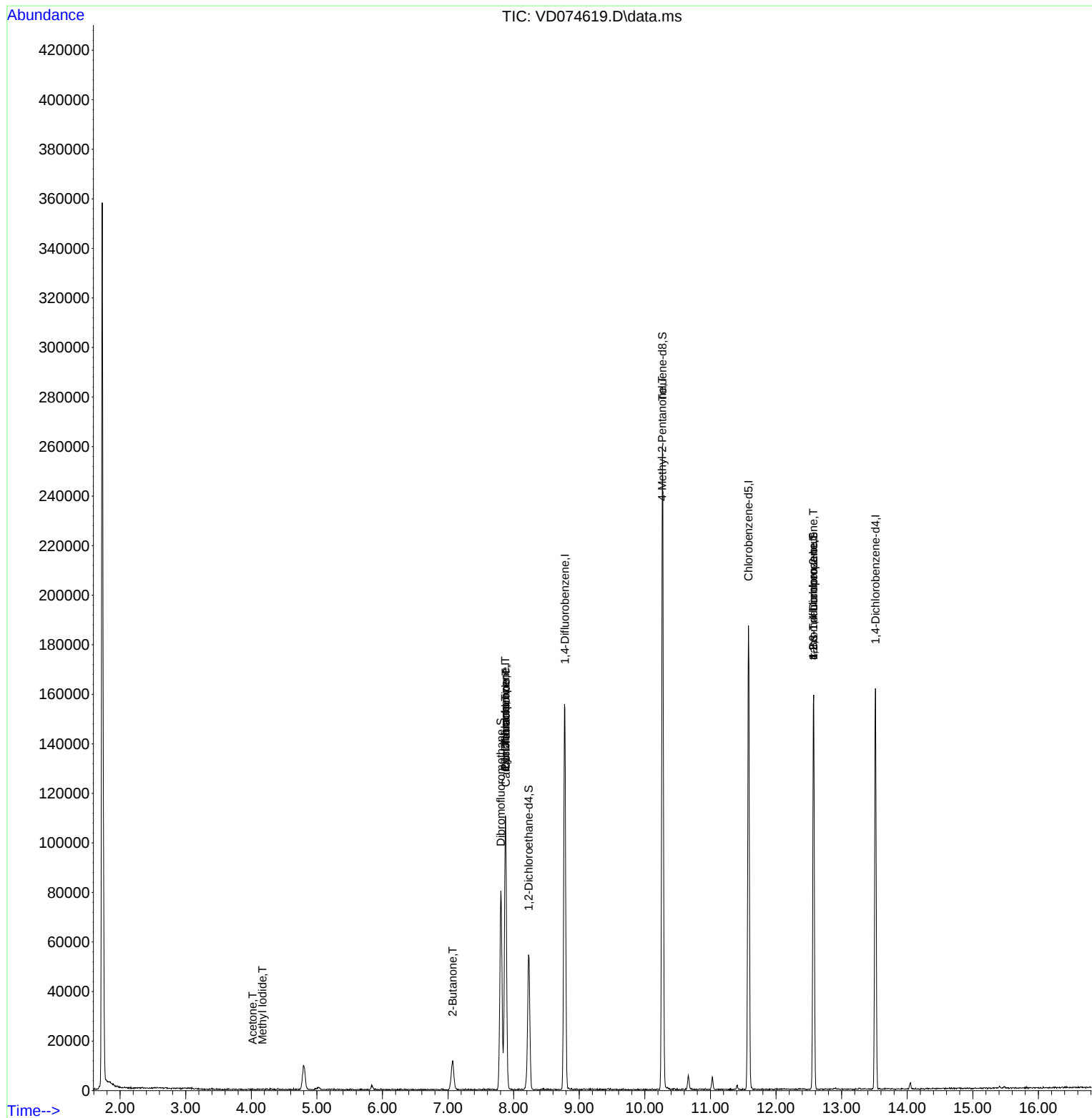
Internal Standards						
1) Pentafluorobenzene	7.875	168	92990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	155590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	120796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	46808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42966	60.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.040%	
35) Dibromofluoromethane	7.804	113	57540	67.127	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.260%	
50) Toluene-d8	10.269	98	186678	59.945	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.880%	
62) 4-Bromofluorobenzene	12.569	95	46948	52.500	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.000%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	62	3.984	ug/l #	43
11) Tert butyl alcohol	5.034	59	369	Below Cal	#	84
16) Acetone	4.022	43	285	1.838	ug/l #	37
20) Methylene Chloride	4.805	84	8825	Below Cal		95
25) 2-Butanone	7.069	43	434	2.093	ug/l #	42
31) Cyclohexane	7.875	56	1545	1.083	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	6092	4.358	ug/l #	49
38) Carbon Tetrachloride	7.881	117	8672	6.336	ug/l #	19
51) 4-Methyl-2-Pentanone	10.263	43	486	1.192	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	23599	57.740	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	23599	147.554	ug/l #	17

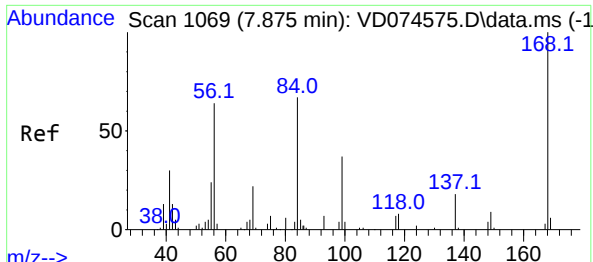
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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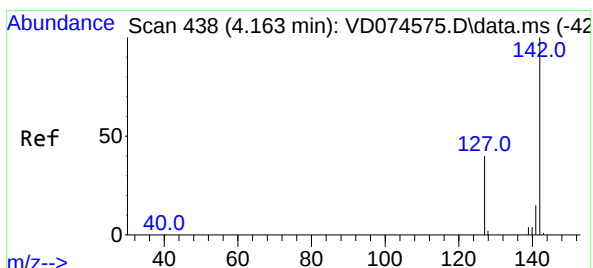
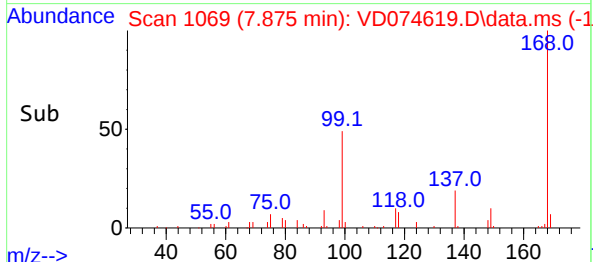
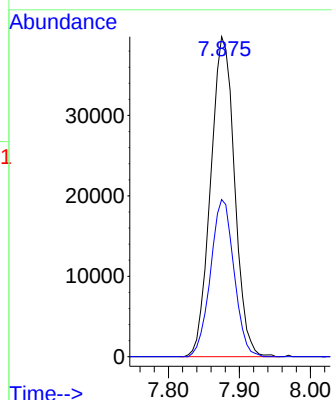
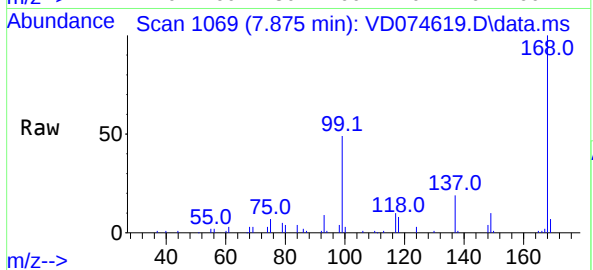




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

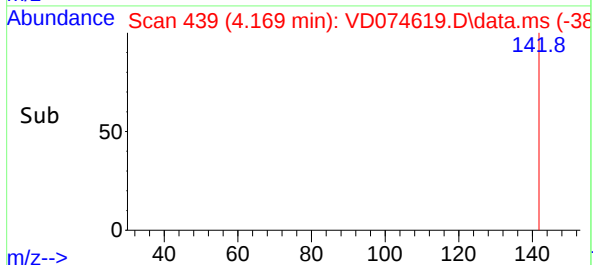
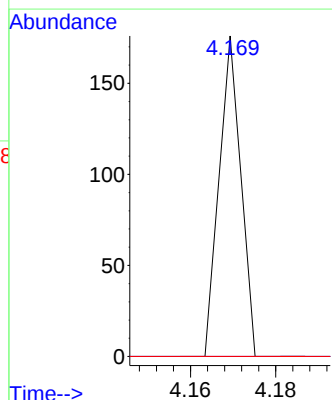
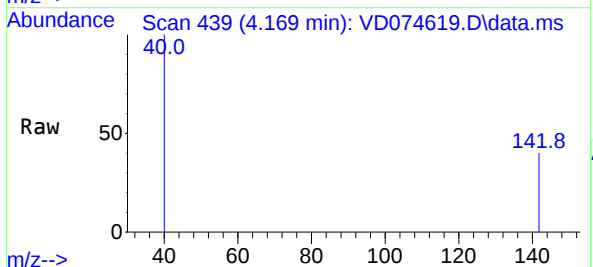
Instrument :
MSVOA_D
ClientSampleId :
SP-3

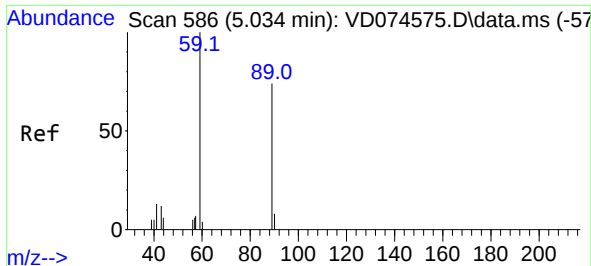
Tgt Ion:168 Resp: 92990
Ion Ratio Lower Upper
168 100
99 49.1 40.9 61.3



#10
Methyl Iodide
Concen: 3.984 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

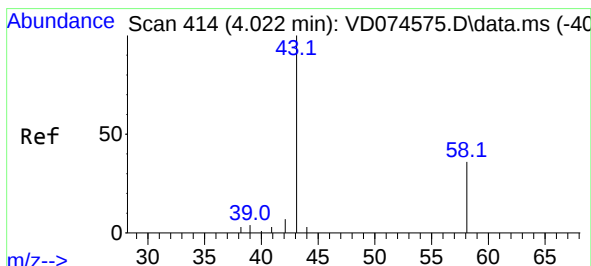
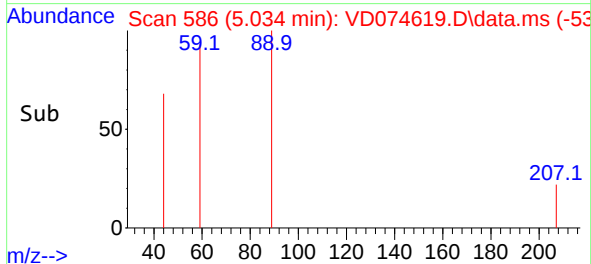
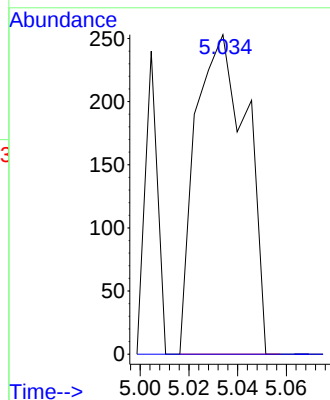
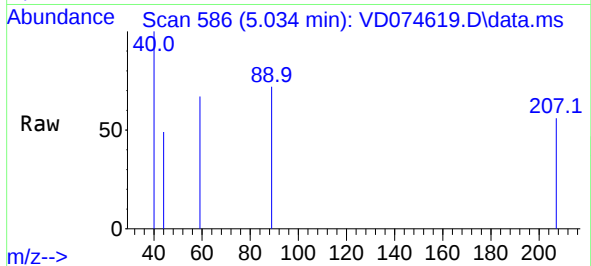




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.034 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

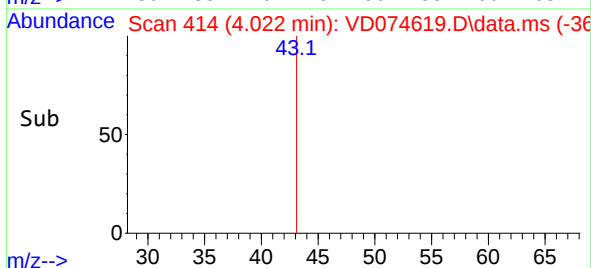
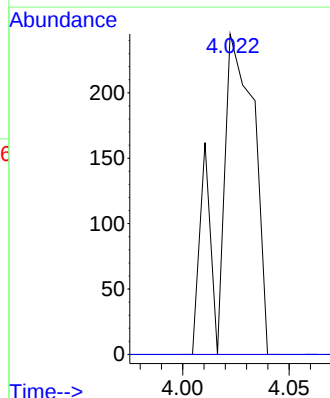
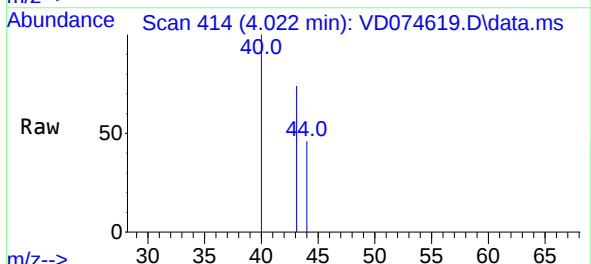
Instrument :
MSVOA_D
ClientSampleId :
SP-3

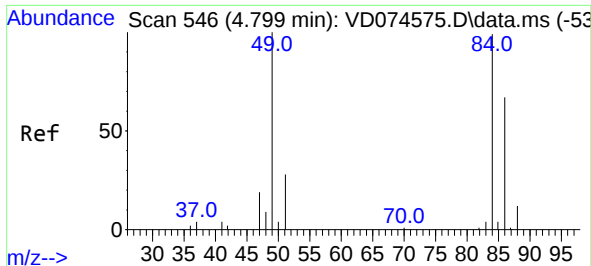
Tgt Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 1.838 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#

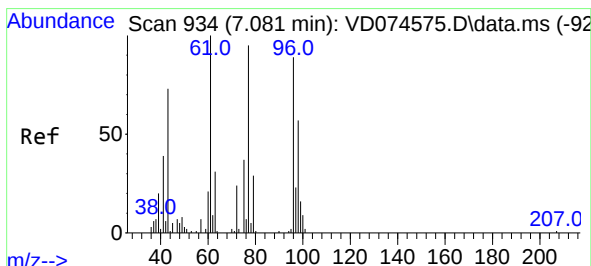
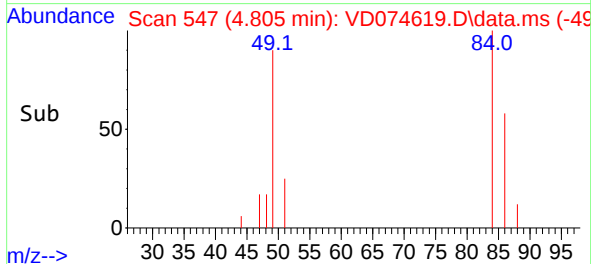
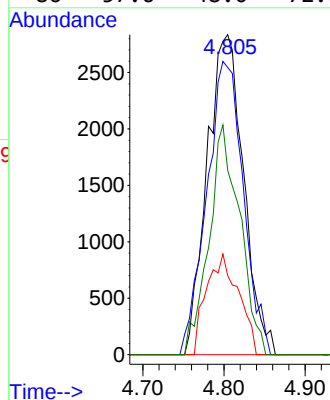
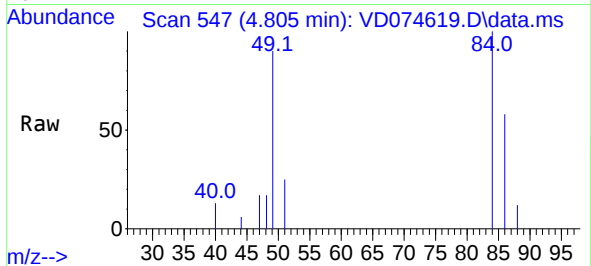




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

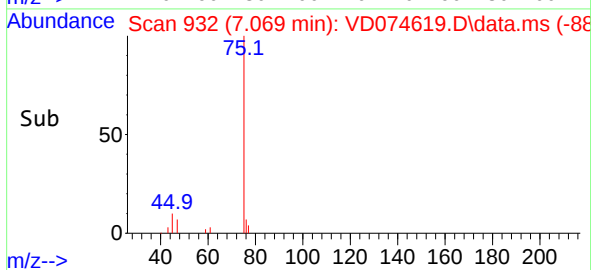
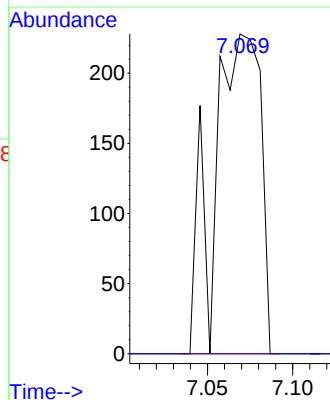
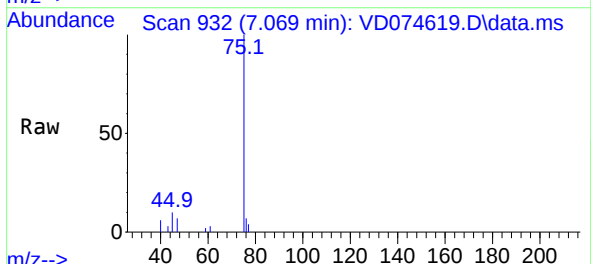
Instrument :
MSVOA_D
ClientSampleId :
SP-3

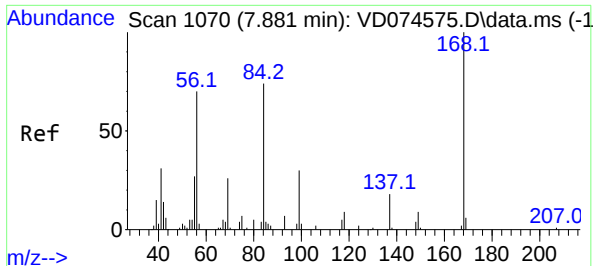
Tgt Ion:	84	Resp:	8825
Ion	Ratio	Lower	Upper
84	100		
49	89.7	68.0	102.0
51	24.7	23.2	34.8
86	57.6	48.0	72.0



#25
2-Butanone
Concen: 2.093 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

Tgt Ion:	43	Resp:	434
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#





#31

Cyclohexane

Concen: 1.083 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD074619.D

Acq: 21 Oct 2022 16:49

Instrument :

MSVOA_D

ClientSampleId :

SP-3

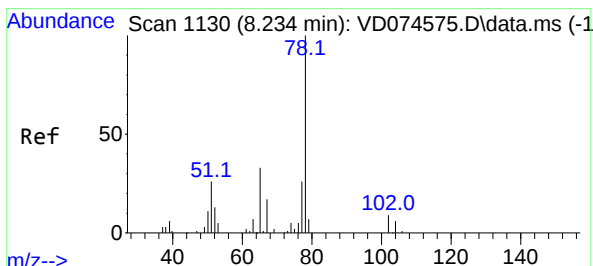
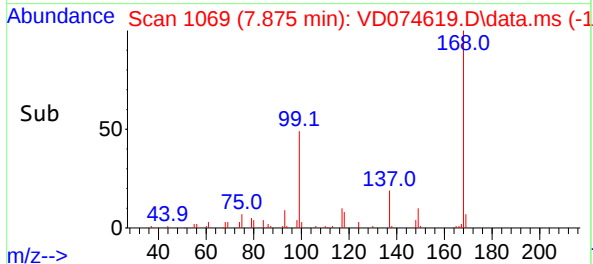
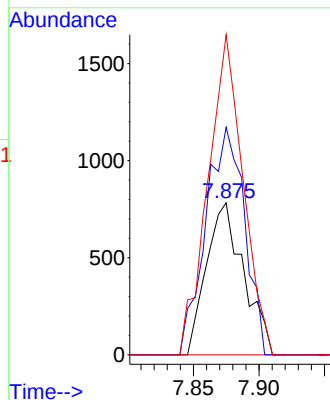
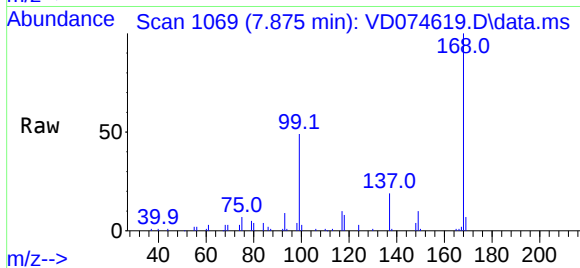
Tgt Ion: 56 Resp: 1545

Ion Ratio Lower Upper

56 100

69 149.7 29.2 43.8#

84 210.6 83.4 125.2#



#33

1,2-Dichloroethane-d4

Concen: 60.519 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD074619.D

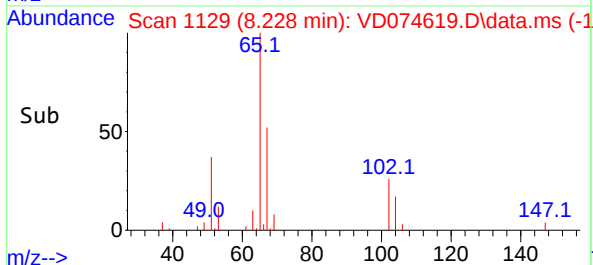
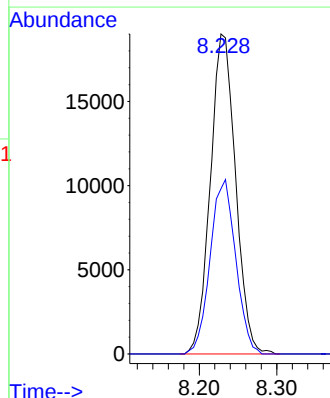
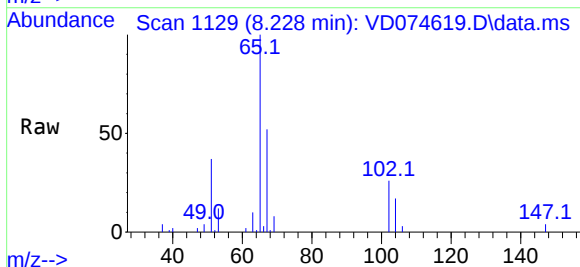
Acq: 21 Oct 2022 16:49

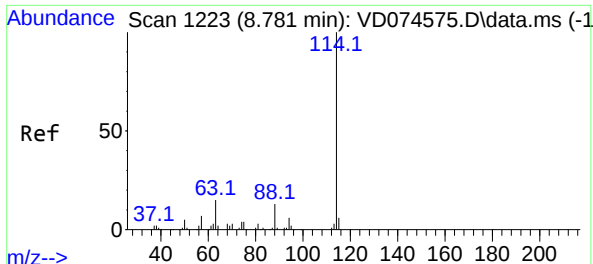
Tgt Ion: 65 Resp: 42966

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.2



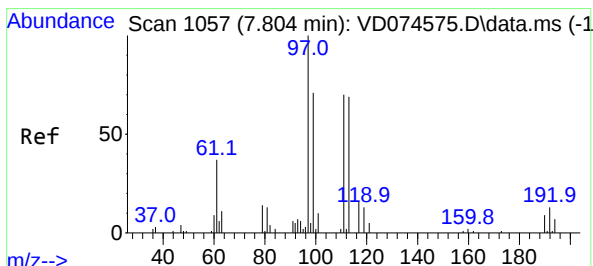
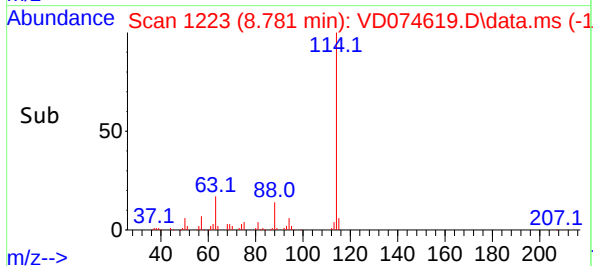
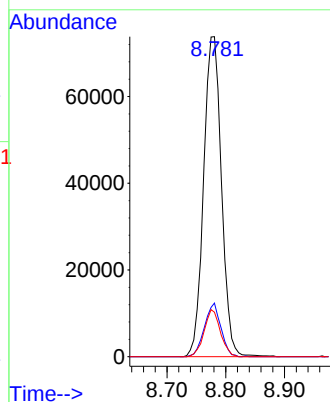
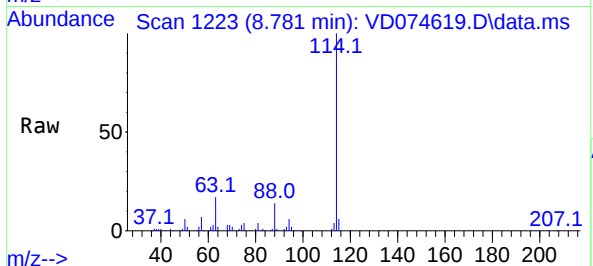


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

Instrument :
MSVOA_D
ClientSampleId :
SP-3

Tgt Ion:114 Resp: 155590

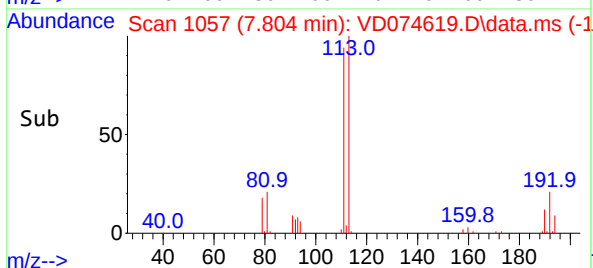
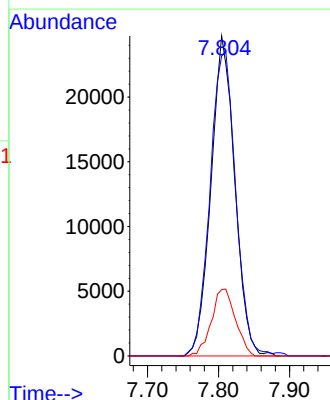
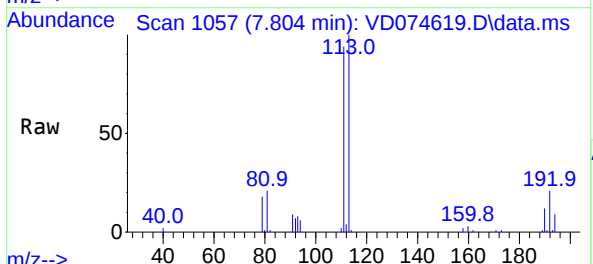
Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	33.2
88	13.9	0.0	28.2

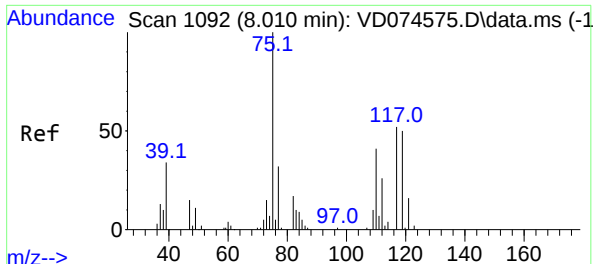


#35
Dibromofluoromethane
Concen: 67.127 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

Tgt Ion:113 Resp: 57540

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.3	123.5
192	21.1	16.4	24.6





#36

1,1-Dichloropropene

Concen: 4.358 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074619.D

Acq: 21 Oct 2022 16:49

Instrument :

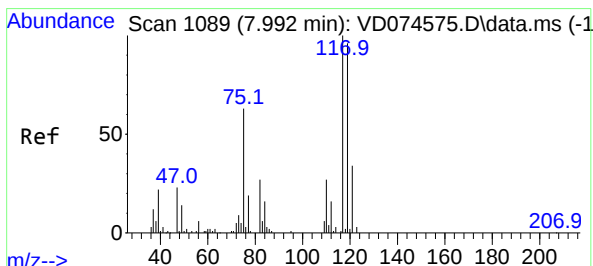
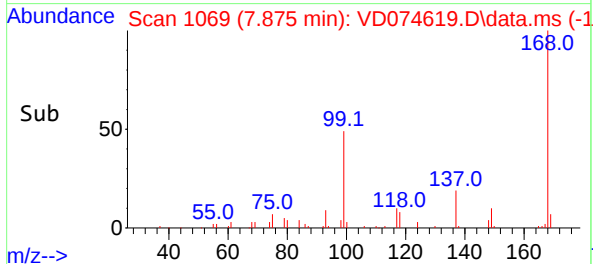
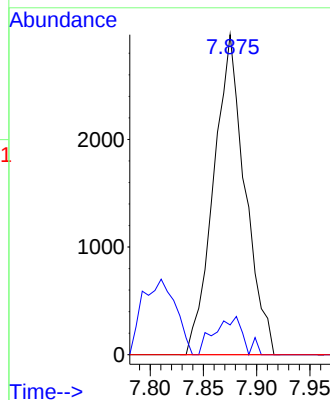
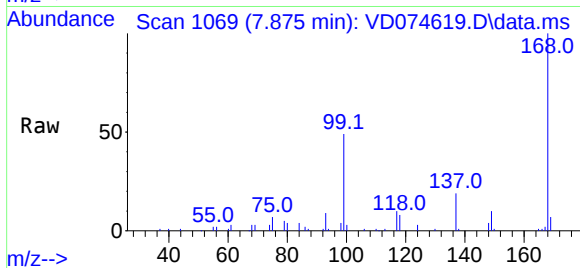
MSVOA_D

ClientSampleId :

SP-3

Tgt Ion: 75 Resp: 6092

Ion	Ratio	Lower	Upper
75	100		
110	11.0	19.7	59.0#
77	0.0	25.4	38.2#



#38

Carbon Tetrachloride

Concen: 6.336 ug/l

RT: 7.881 min Scan# 1070

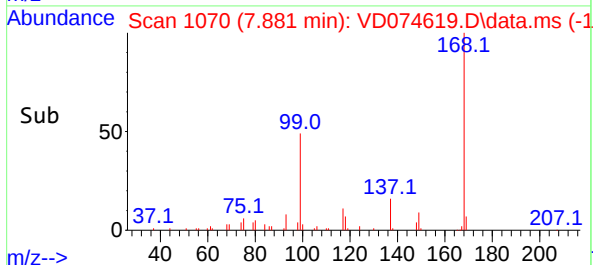
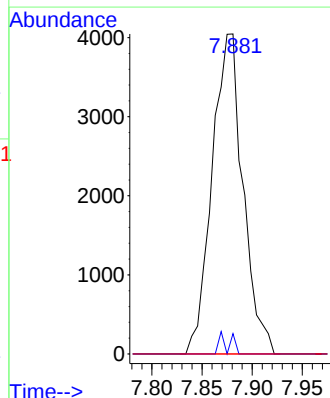
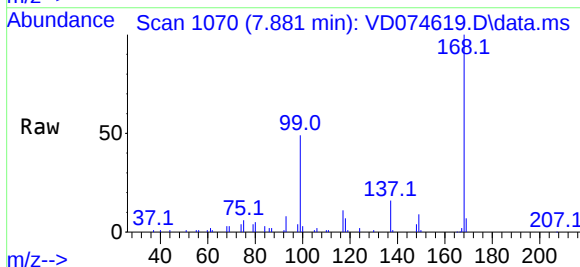
Delta R.T. -0.106 min

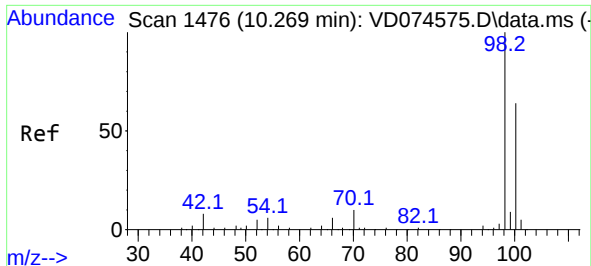
Lab File: VD074619.D

Acq: 21 Oct 2022 16:49

Tgt Ion: 117 Resp: 8672

Ion	Ratio	Lower	Upper
117	100		
119	6.4	73.1	109.7#
121	0.0	25.0	37.6#

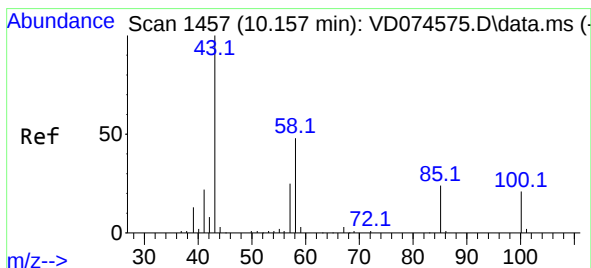
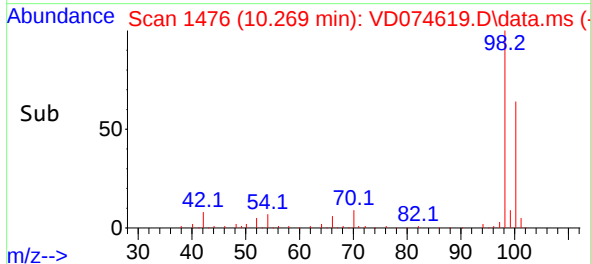
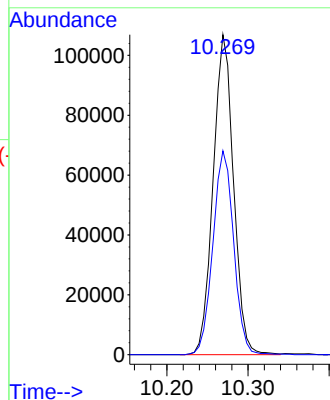
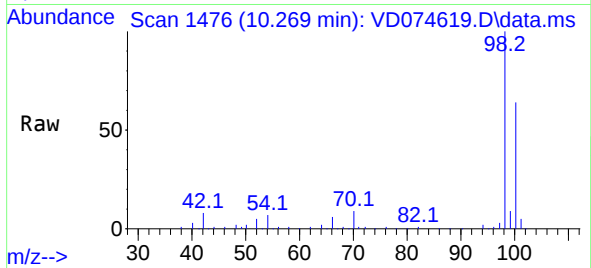




#50
Toluene-d8
Concen: 59.945 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

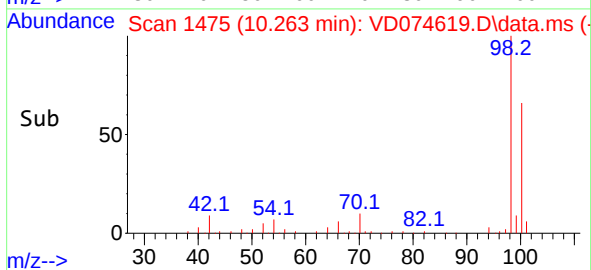
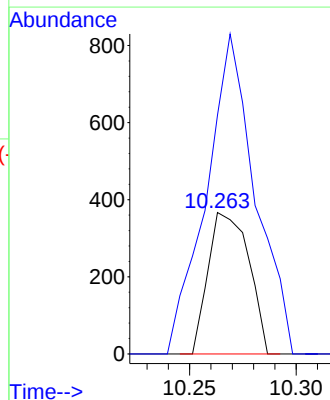
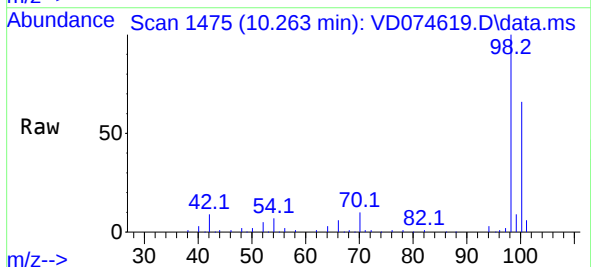
Instrument :
MSVOA_D
ClientSampleId :
SP-3

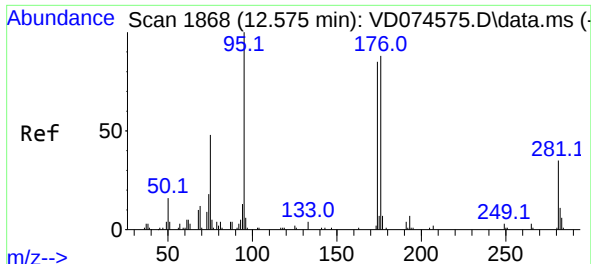
Tgt Ion: 98 Resp: 186678
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.192 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

Tgt Ion: 43 Resp: 486
Ion Ratio Lower Upper
43 100
58 272.8 37.8 56.6#

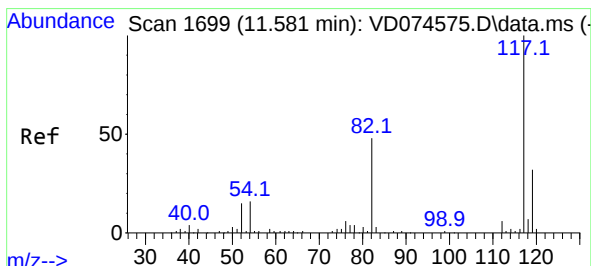
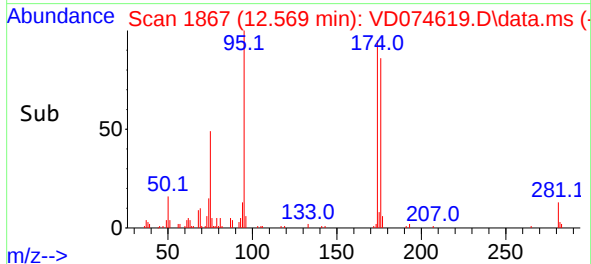
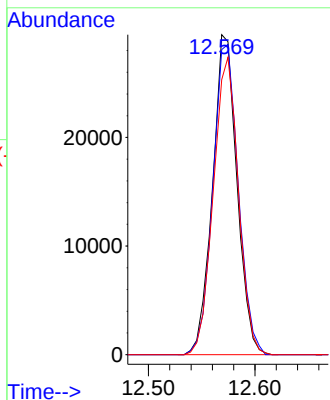
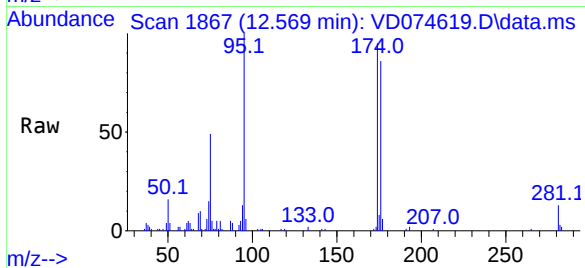




#62
4-Bromofluorobenzene
Concen: 52.500 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

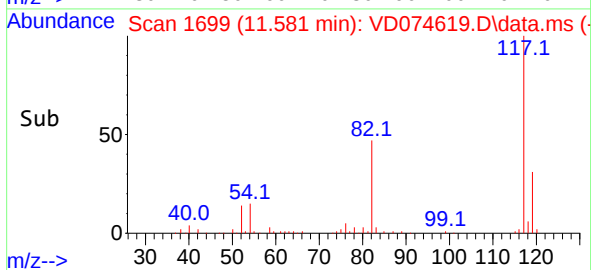
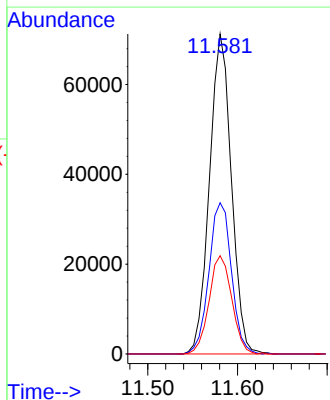
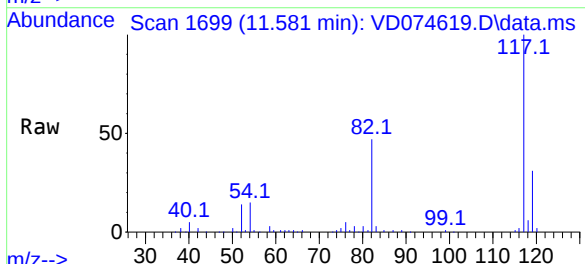
Instrument :
MSVOA_D
ClientSampleId :
SP-3

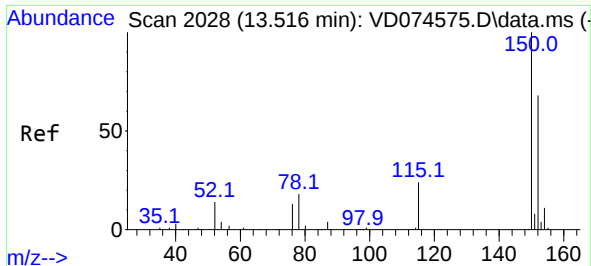
Tgt Ion:	95	Resp:	46948
Ion	Ratio	Lower	Upper
95	100		
174	100.6	0.0	197.0
176	95.3	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

Tgt Ion:	117	Resp:	120796
Ion	Ratio	Lower	Upper
117	100		
82	47.3	41.6	62.4
119	30.7	25.2	37.8

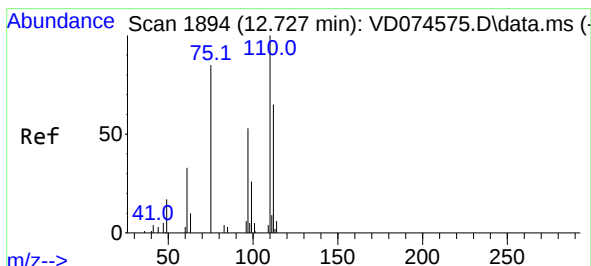
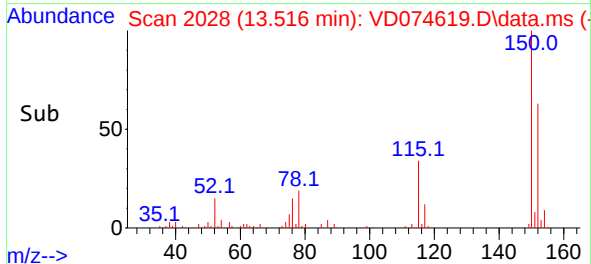
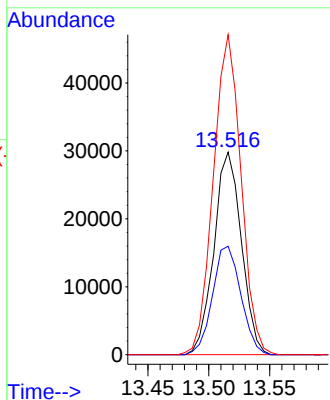
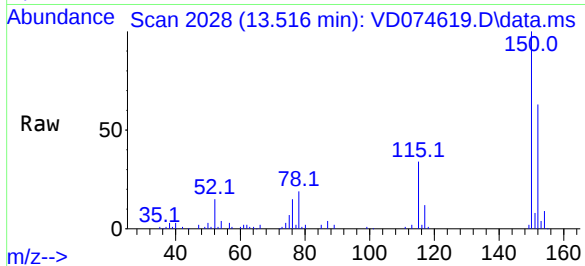




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

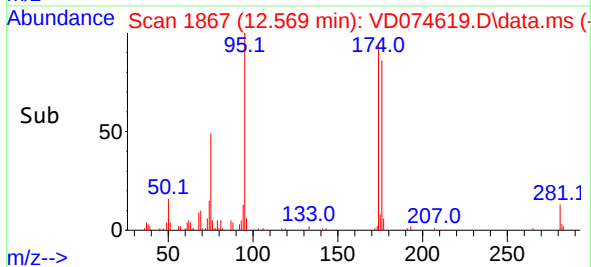
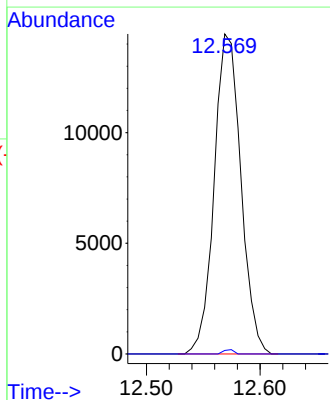
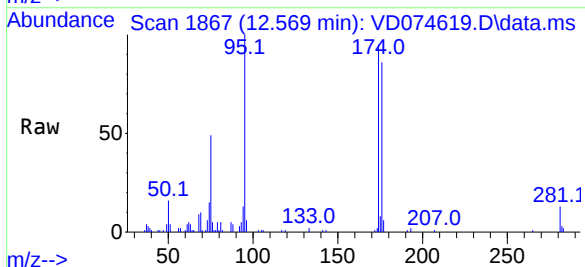
Instrument :
MSVOA_D
ClientSampleId :
SP-3

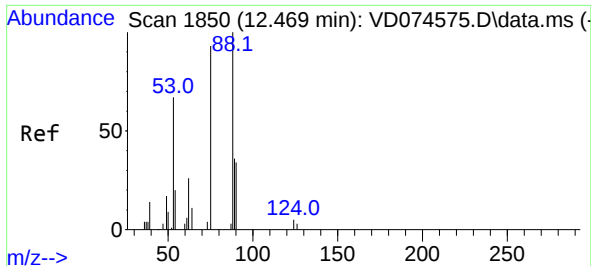
Tgt Ion:152 Resp: 46808
Ion Ratio Lower Upper
152 100
115 55.3 26.8 80.4
150 159.2 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 57.740 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

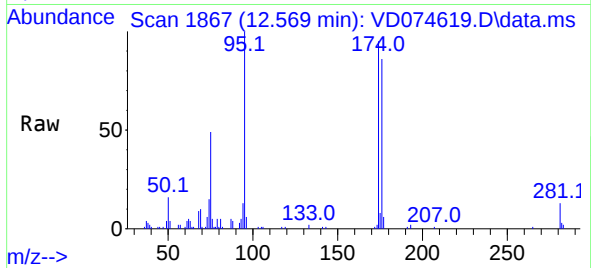
Tgt Ion: 75 Resp: 23599
Ion Ratio Lower Upper
75 100
77 0.5 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 147.554 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074619.D
Acq: 21 Oct 2022 16:49

Instrument :
MSVOA_D
ClientSampleId :
SP-3



Tgt Ion:	75	Resp:	23599
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

