

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091422\
 Data File : VD074284.D
 Acq On : 14 Sep 2022 14:54
 Operator : VA/SY
 Sample : N4579-03
 Misc : 2.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 04:14:15 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)

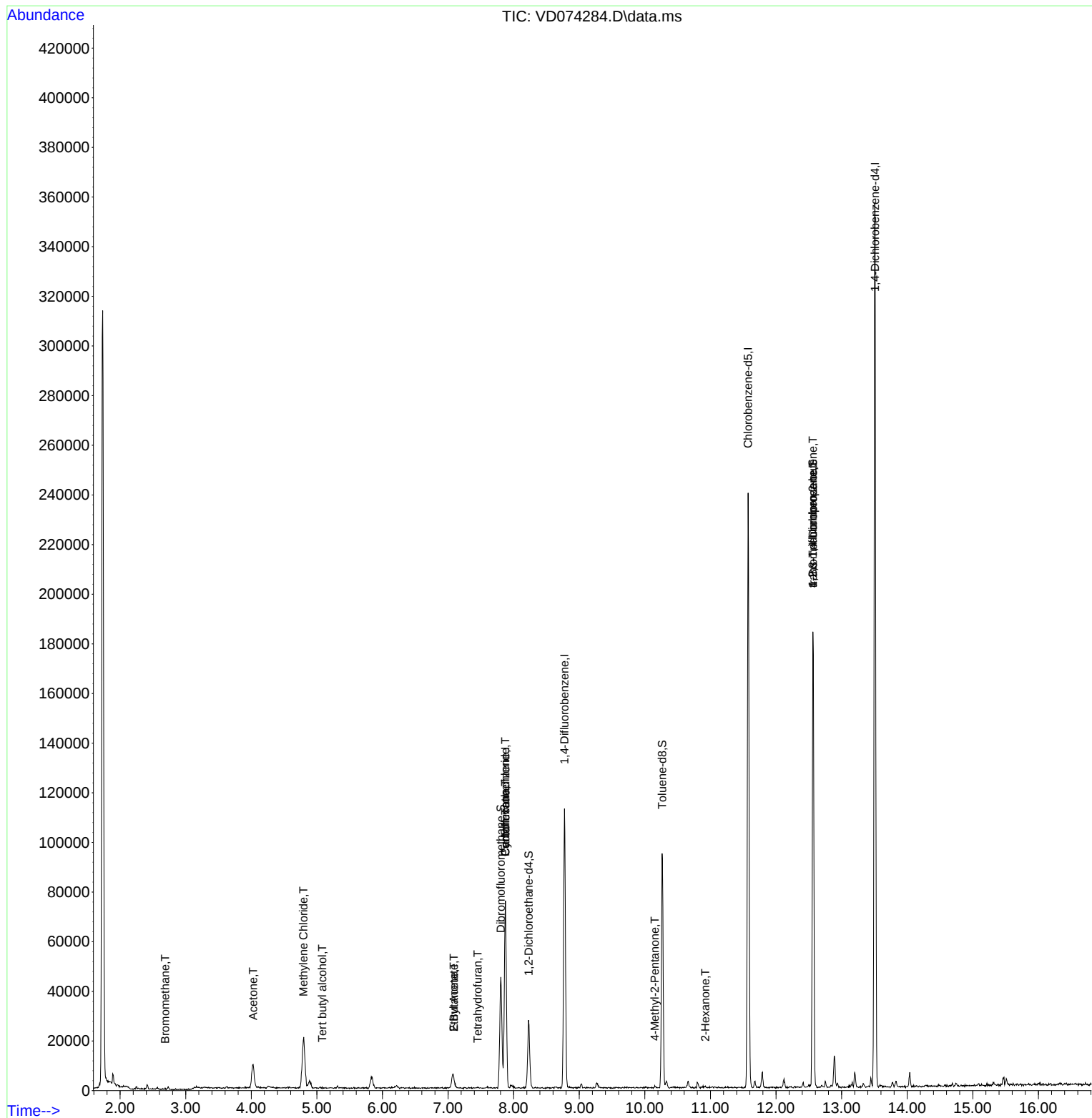
Internal Standards						
1) Pentafluorobenzene	7.875	168	55590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	98817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	135599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	98508	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	20088	35.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.880%
35) Dibromofluoromethane	7.804	113	31243	47.051	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.100%
50) Toluene-d8	10.263	98	67573	27.896	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	55.800%
62) 4-Bromofluorobenzene	12.563	95	56385	69.326	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	138.660%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	128	Below Cal	#	39
5) Bromomethane	2.687	94	283	1.518	ug/l	96
11) Tert butyl alcohol	5.081	59	54	1.168	ug/l #	74
16) Acetone	4.028	43	17202	147.047	ug/l	99
20) Methylene Chloride	4.793	84	15083	17.186	ug/l	93
25) 2-Butanone	7.087	43	2644	13.552	ug/l	92
29) Tetrahydrofuran	7.452	42	449	3.733	ug/l #	32
31) Cyclohexane	7.875	56	2031	1.734	ug/l #	40
37) Ethyl Acetate	7.087	43	2644	5.700	ug/l #	88
38) Carbon Tetrachloride	7.875	117	5570	5.756	ug/l #	16
51) 4-Methyl-2-Pentanone	10.151	43	727	1.606	ug/l #	46
59) 2-Hexanone	10.922	43	559	1.818	ug/l #	61
76) 1,2,3-Trichloropropane	12.563	75	30045	29.752	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.563	75	30045	73.355	ug/l #	100

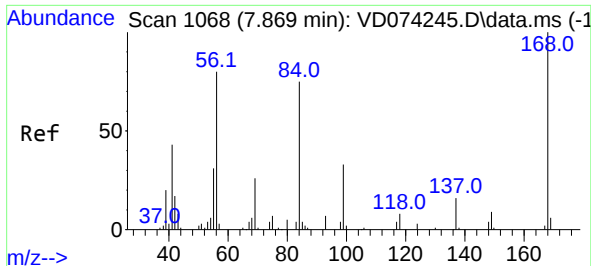
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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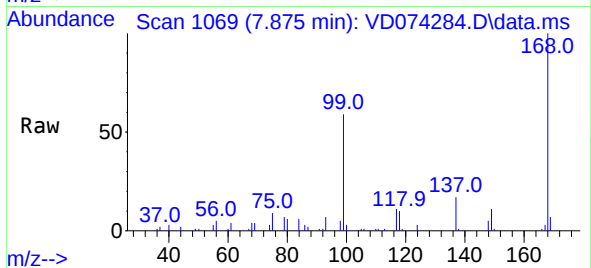
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 10 04:45:19 2022
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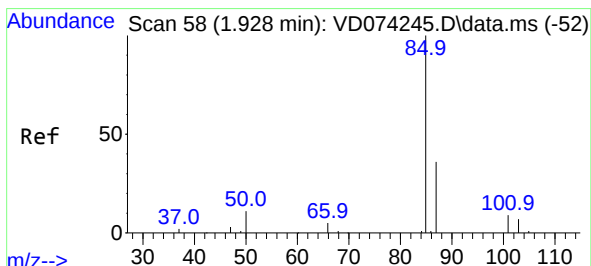
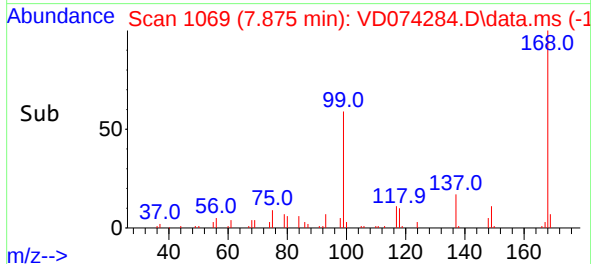
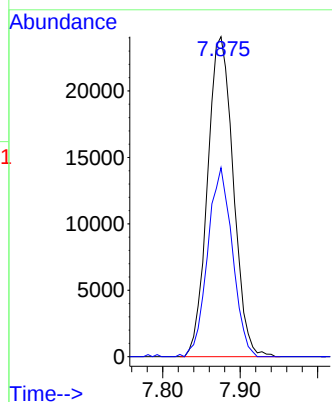


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Instrument :
MSVOA_D
ClientSampleId :

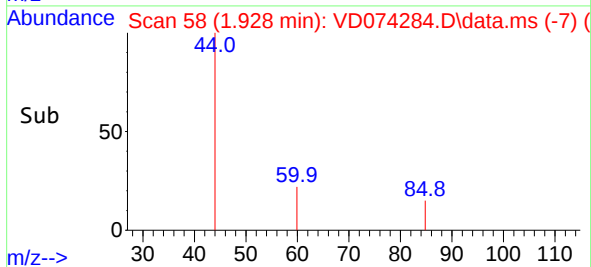
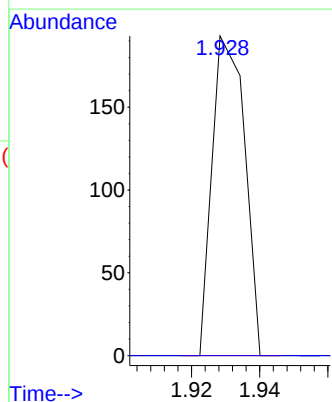
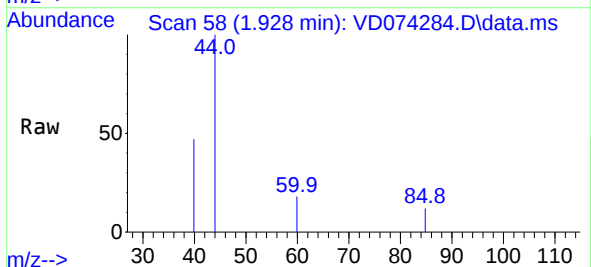


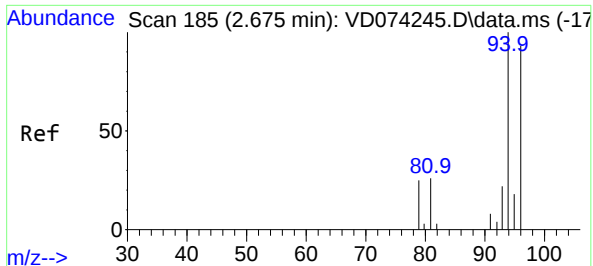
Tgt Ion:168 Resp: 55590
Ion Ratio Lower Upper
168 100
99 59.0 43.0 64.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Tgt Ion: 85 Resp: 128
Ion Ratio Lower Upper
85 100
87 0.0 17.9 53.7#





#5

Bromomethane

Concen: 1.518 ug/l

RT: 2.687 min Scan# 11

Delta R.T. 0.012 min

Lab File: VD074284.D

Acq: 14 Sep 2022 14:54

Instrument :

MSVOA_D

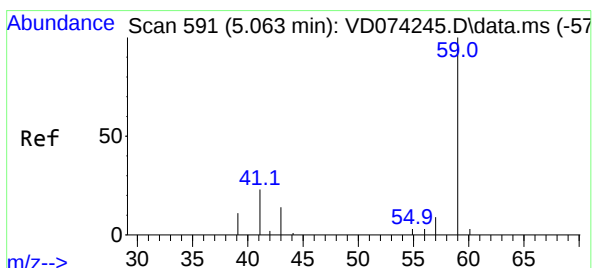
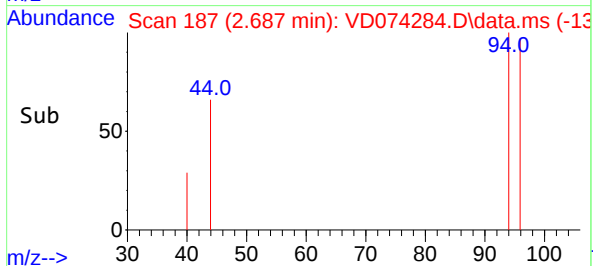
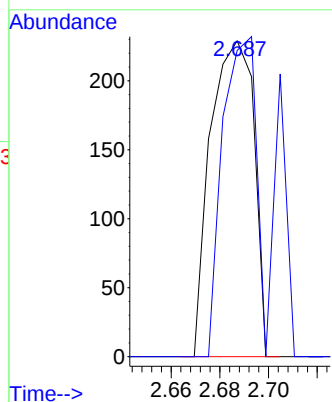
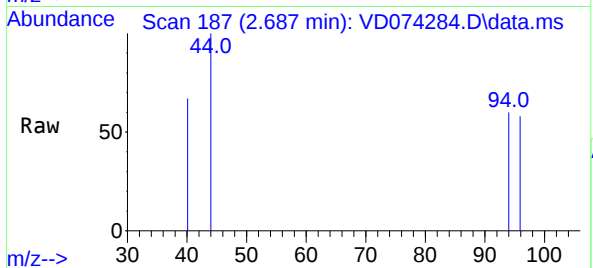
ClientSampleId :

Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

94 100

96 96.9 74.6 112.0



#11

Tert butyl alcohol

Concen: 1.168 ug/l

RT: 5.081 min Scan# 594

Delta R.T. 0.018 min

Lab File: VD074284.D

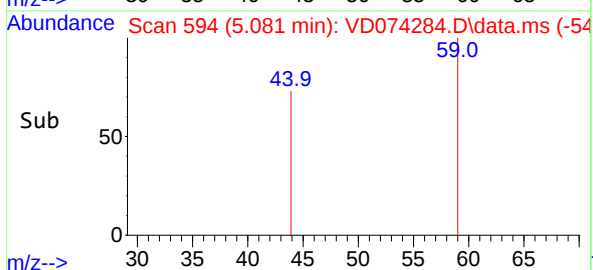
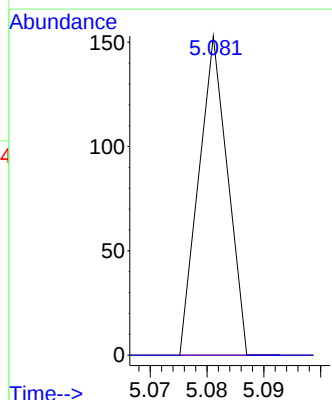
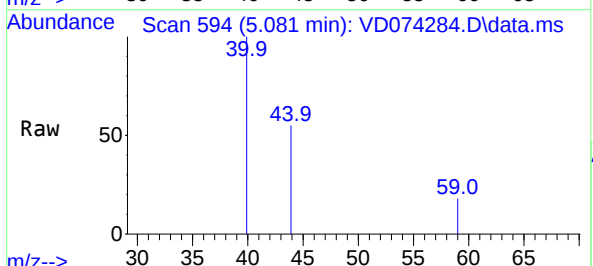
Acq: 14 Sep 2022 14:54

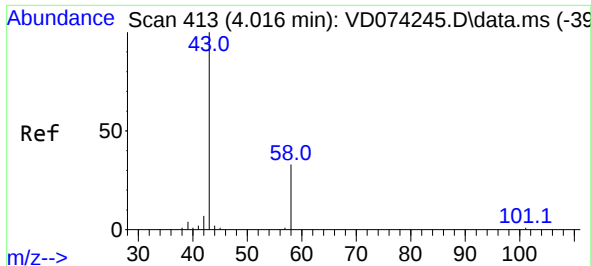
Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#

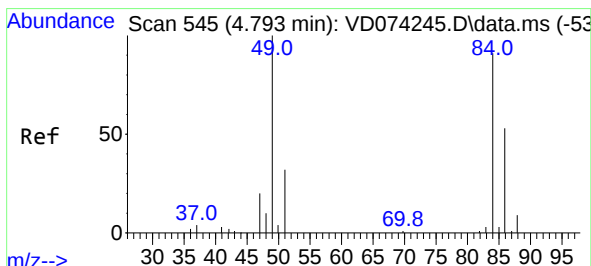
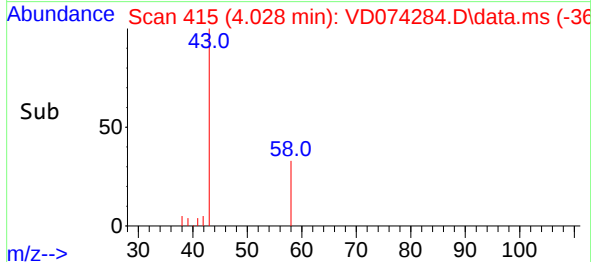
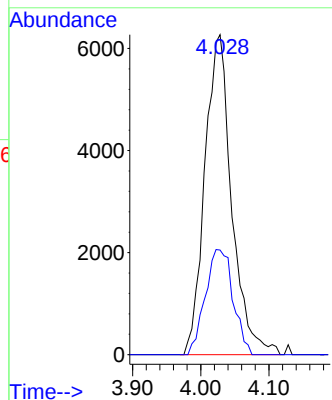
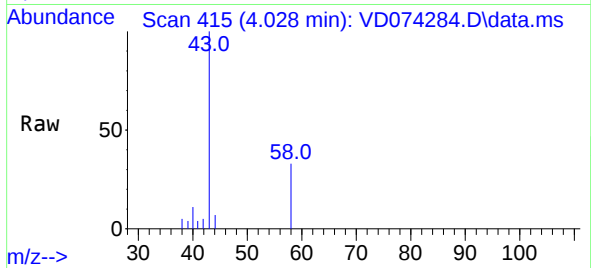




#16
Acetone
Concen: 147.047 ug/l
RT: 4.028 min Scan# 413
Delta R.T. 0.012 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

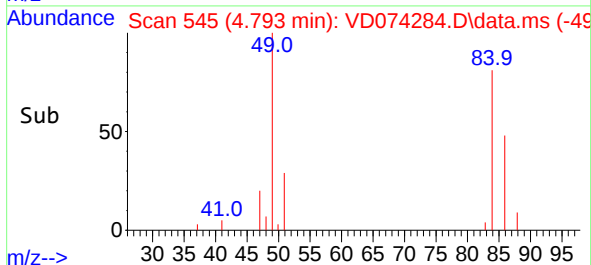
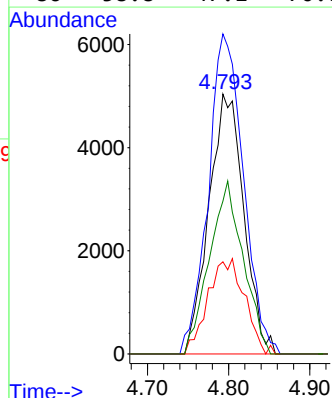
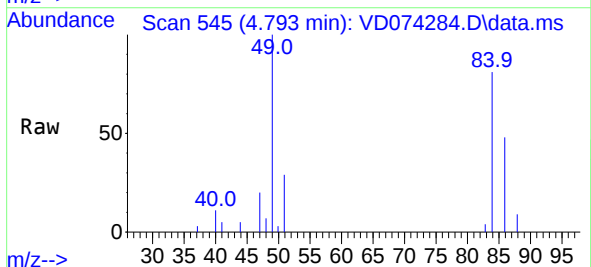
Instrument :
MSVOA_D
ClientSampleId :

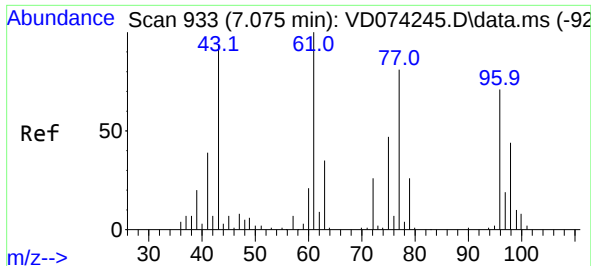
Tgt Ion: 43 Resp: 17202
Ion Ratio Lower Upper
43 100
58 32.7 26.4 39.6



#20
Methylene Chloride
Concen: 17.186 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.000 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Tgt Ion: 84 Resp: 15083
Ion Ratio Lower Upper
84 100
49 123.1 88.4 132.6
51 35.5 28.0 42.0
86 58.8 47.1 70.7

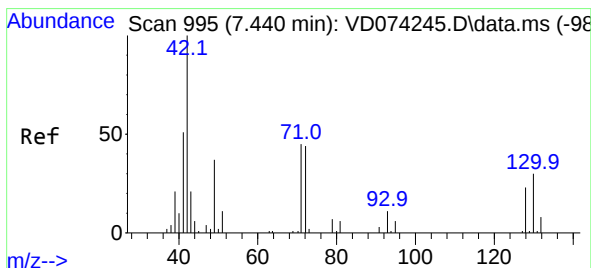
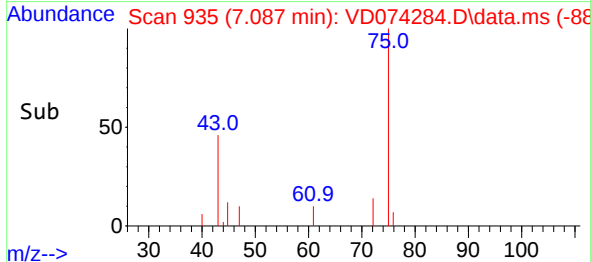
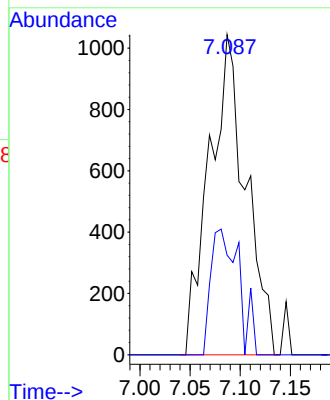
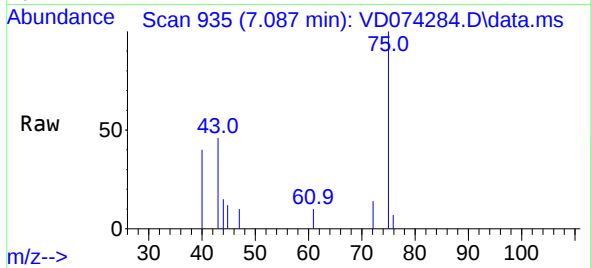




#25
2-Butanone
Concen: 13.552 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

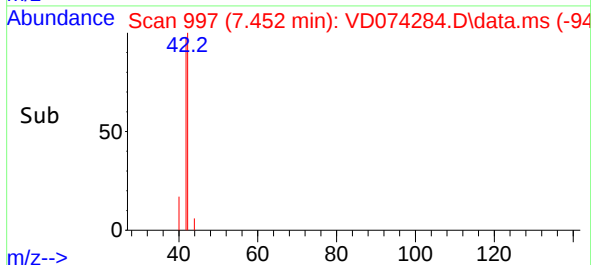
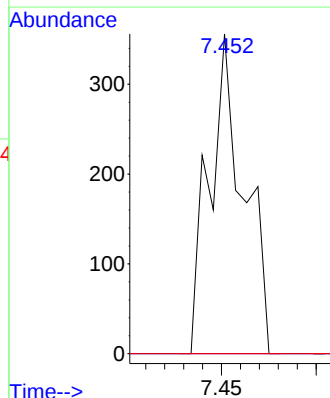
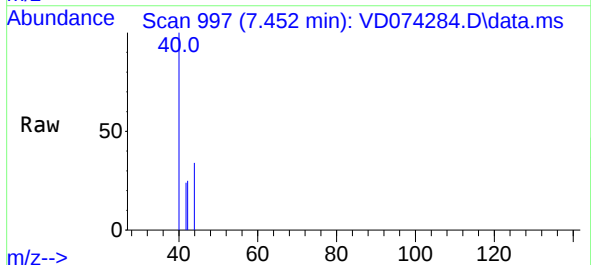
Instrument :
MSVOA_D
ClientSampleId :

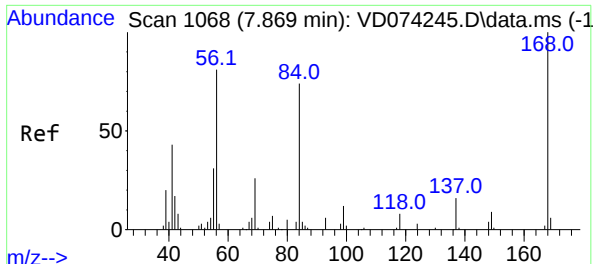
Tgt Ion: 43 Resp: 2644
Ion Ratio Lower Upper
43 100
72 31.1 21.8 32.6



#29
Tetrahydrofuran
Concen: 3.733 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.012 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Tgt Ion: 42 Resp: 449
Ion Ratio Lower Upper
42 100
72 0.0 36.1 54.1#
71 0.0 34.1 51.1#





#31

Cyclohexane

Concen: 1.734 ug/l

RT: 7.875 min Scan# 1068

Delta R.T. 0.006 min

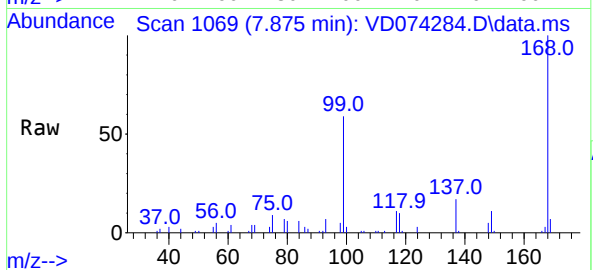
Lab File: VD074284.D

Acq: 14 Sep 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :



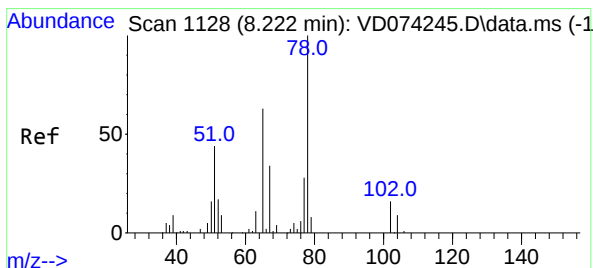
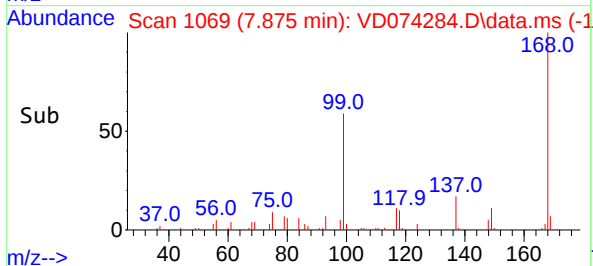
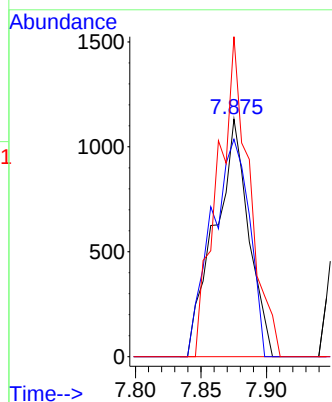
Tgt Ion: 56 Resp: 2031

Ion Ratio Lower Upper

56 100

69 91.5 25.7 38.5#

84 134.7 73.9 110.9#



#33

1,2-Dichloroethane-d4

Concen: 35.444 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074284.D

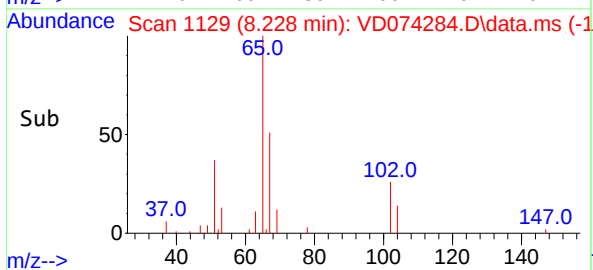
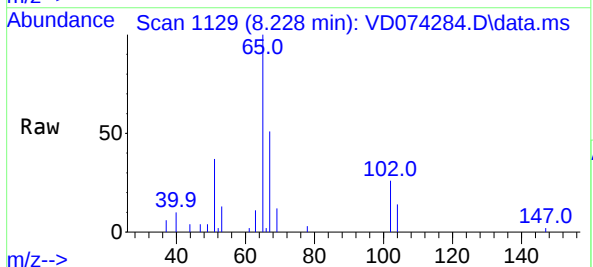
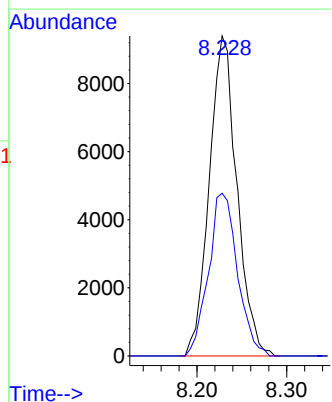
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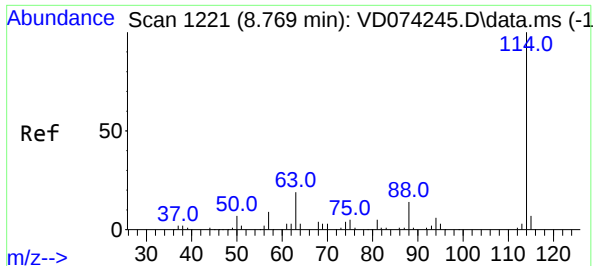
Tgt Ion: 65 Resp: 20088

Ion Ratio Lower Upper

65 100

67 53.4 0.0 110.6

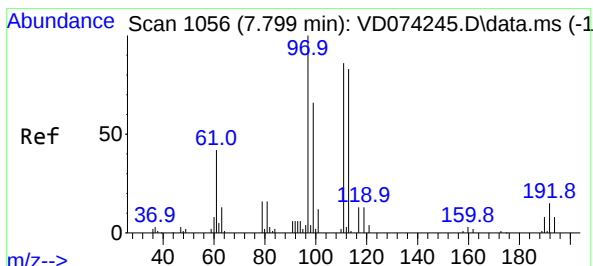
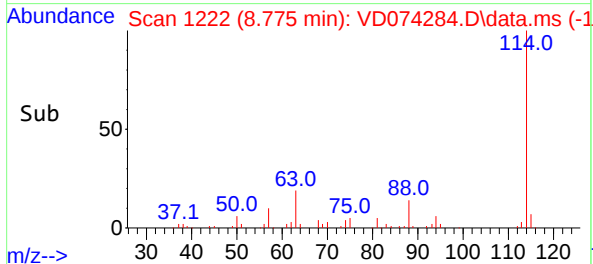
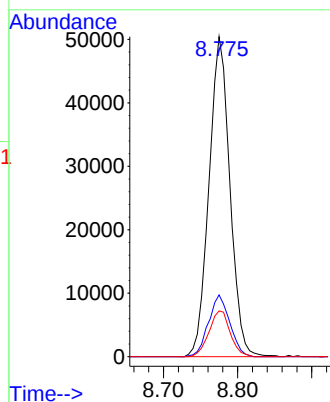
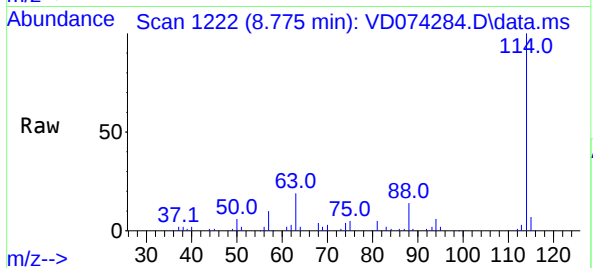




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

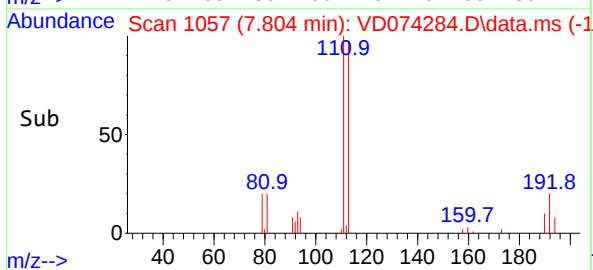
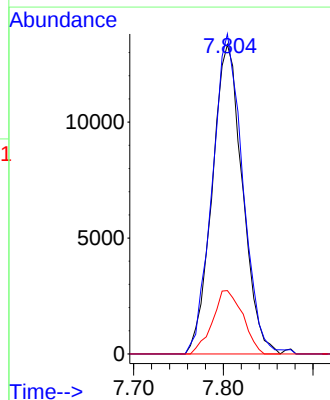
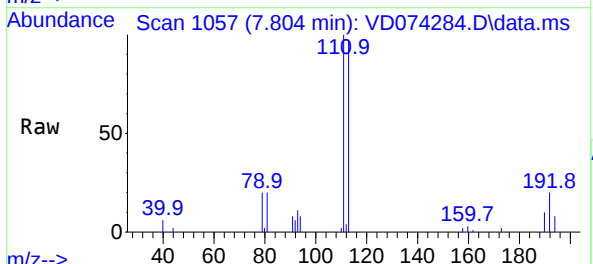
Instrument :
MSVOA_D
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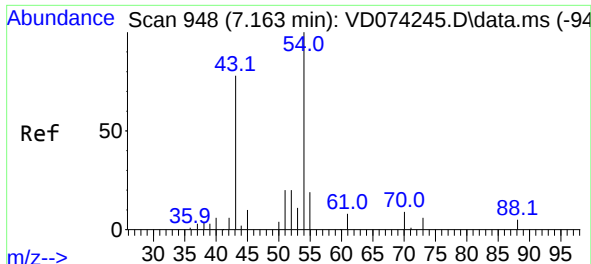
Tgt Ion:114 Resp: 98817
Ion Ratio Lower Upper
114 100
63 19.3 0.0 37.6
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 47.051 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.005 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Tgt Ion:113 Resp: 31243
Ion Ratio Lower Upper
113 100
111 104.1 83.0 124.6
192 20.5 16.2 24.2





#37

Ethyl Acetate

Concen: 5.700 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.076 min

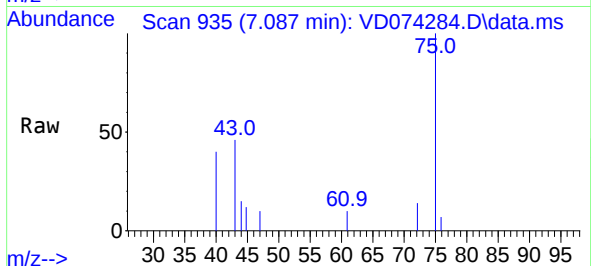
Lab File: VD074284.D

Acq: 14 Sep 2022 14:54

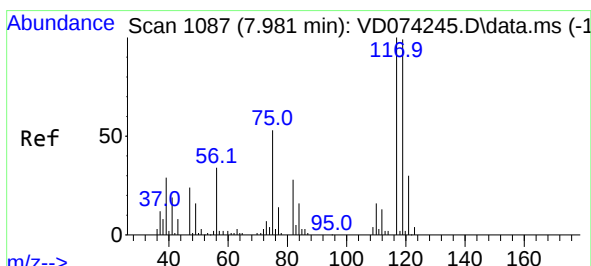
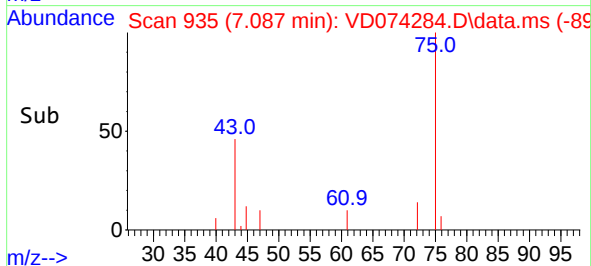
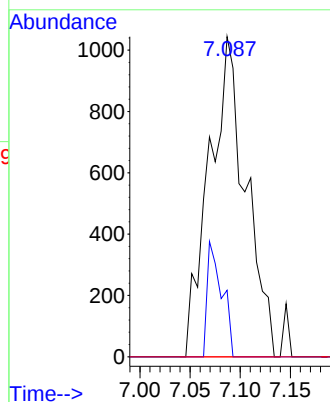
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 2644		
Ion Ratio	Lower	Upper	
43 100			
61 14.5	12.1	18.1	
70 0.0	8.5	12.7#	



#38

Carbon Tetrachloride

Concen: 5.756 ug/l

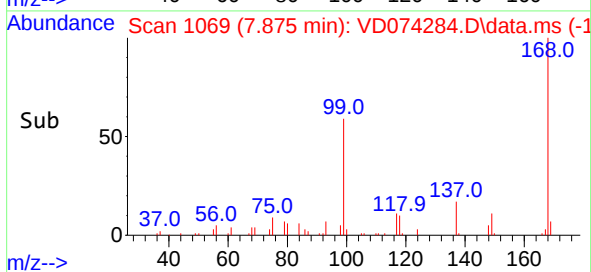
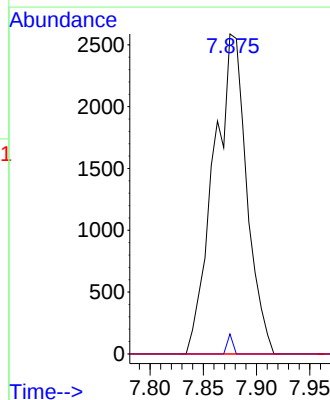
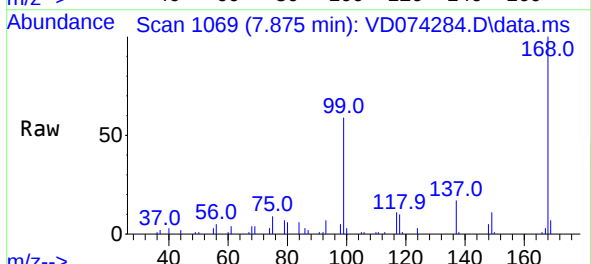
RT: 7.875 min Scan# 1069

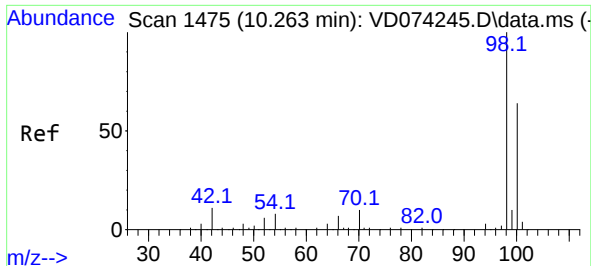
Delta R.T. -0.106 min

Lab File: VD074284.D

Acq: 14 Sep 2022 14:54

Tgt Ion:117	Resp:	5570	
Ion	Ratio	Lower	Upper
117	100		
119	6.2	78.8	118.2#
121	0.0	23.9	35.9#

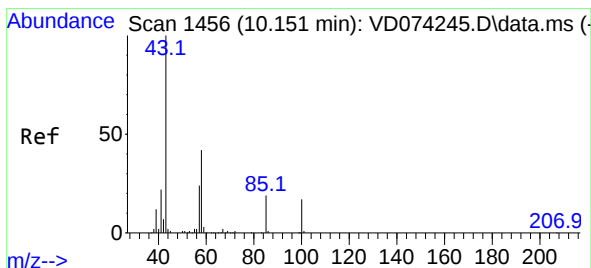
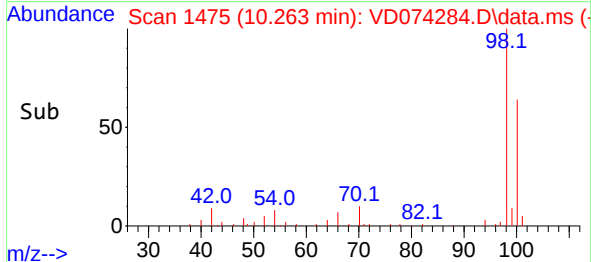
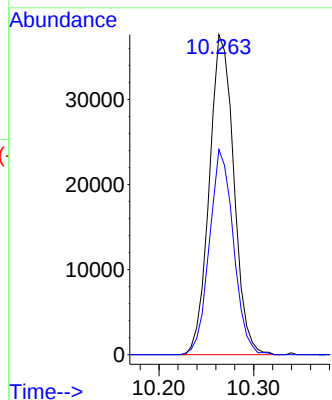
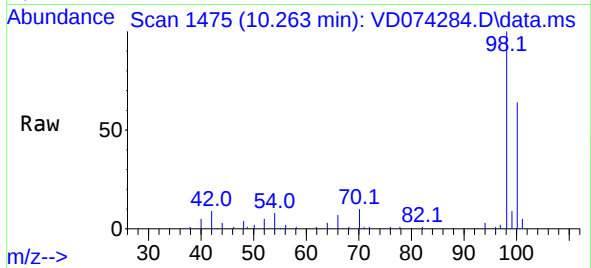




#50
Toluene-d8
Concen: 27.896 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

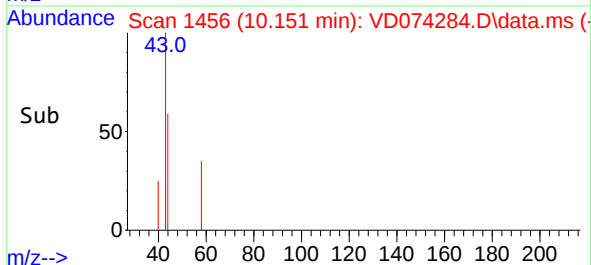
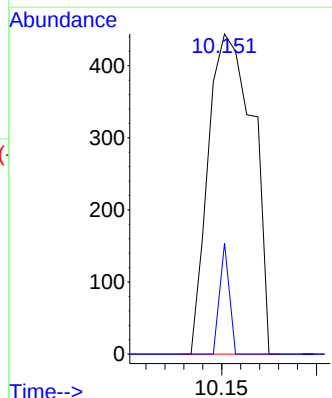
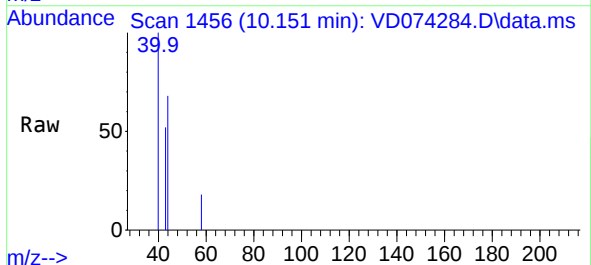
Instrument :
MSVOA_D
ClientSampleId :

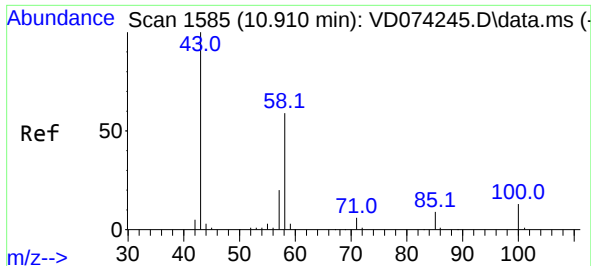
Tgt Ion: 98 Resp: 67573
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.606 ug/l
RT: 10.151 min Scan# 1456
Delta R.T. -0.000 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Tgt Ion: 43 Resp: 727
Ion Ratio Lower Upper
43 100
58 7.4 33.3 49.9#

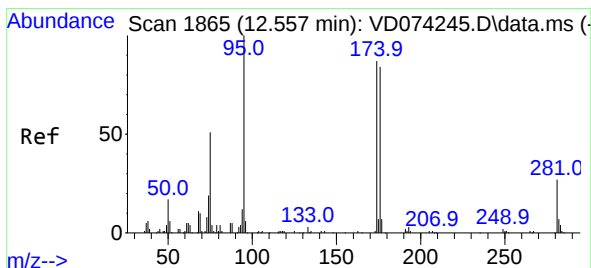
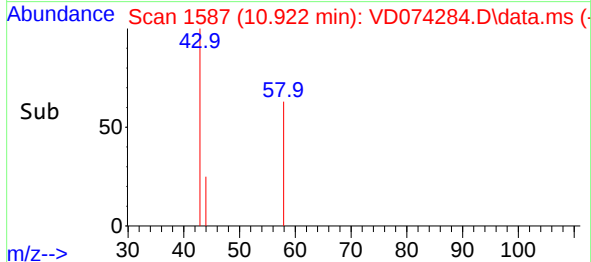
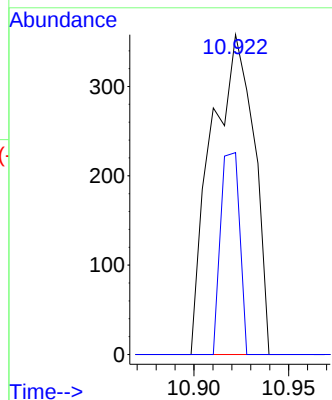
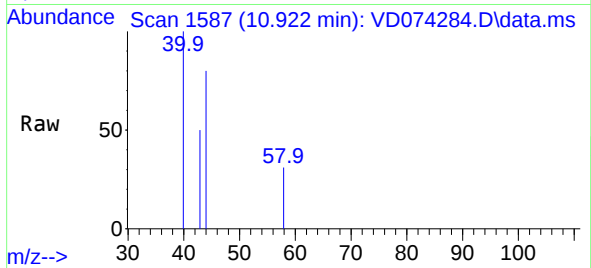




#59
2-Hexanone
Concen: 1.818 ug/l
RT: 10.922 min Scan# 1585
Delta R.T. 0.012 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

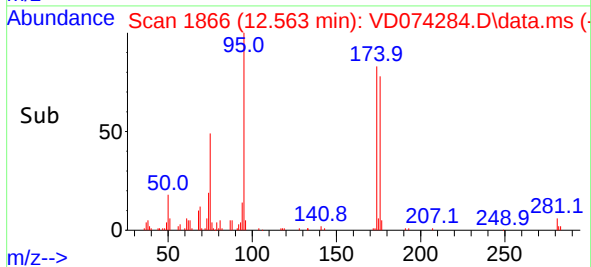
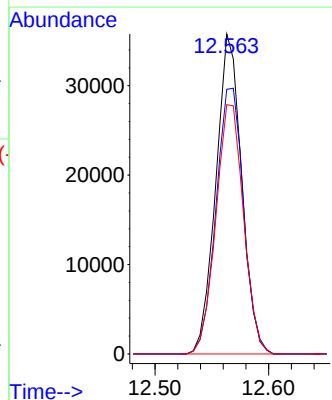
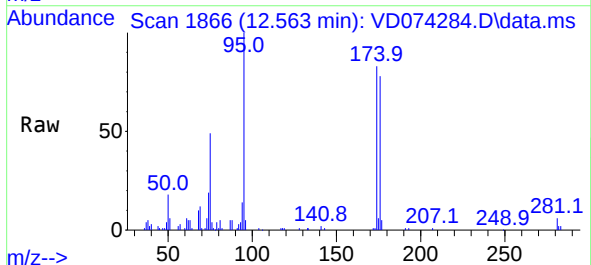
Instrument :
MSVOA_D
ClientSampleId :

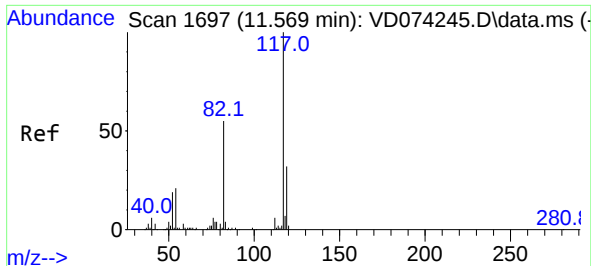
Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
58 28.3 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 69.326 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

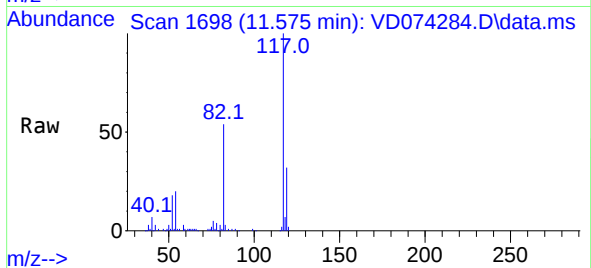
Tgt Ion: 95 Resp: 56385
Ion Ratio Lower Upper
95 100
174 88.9 0.0 179.2
176 83.8 0.0 171.4



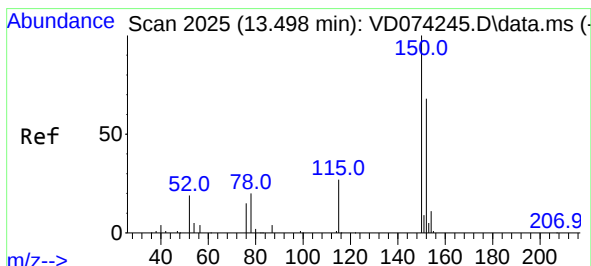
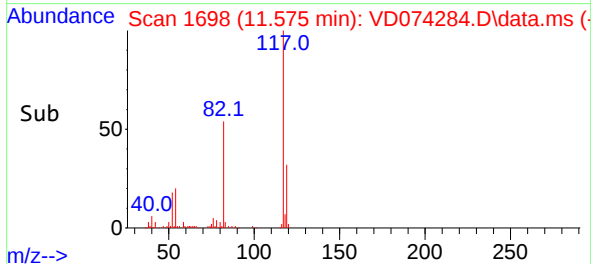
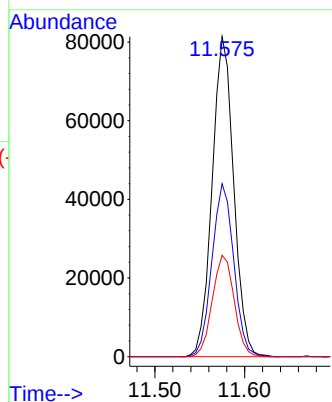


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Instrument :
MSVOA_D
ClientSampleId :

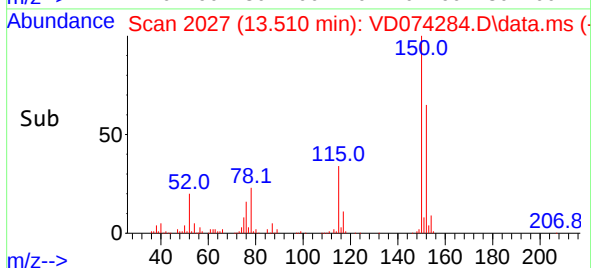
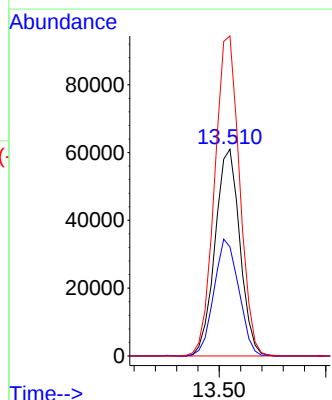
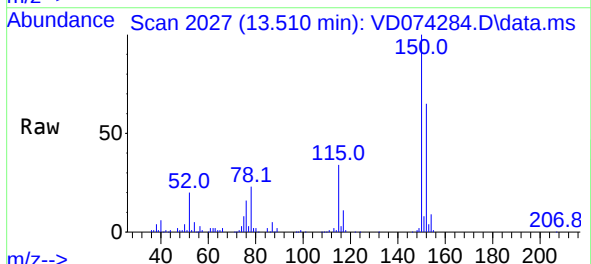


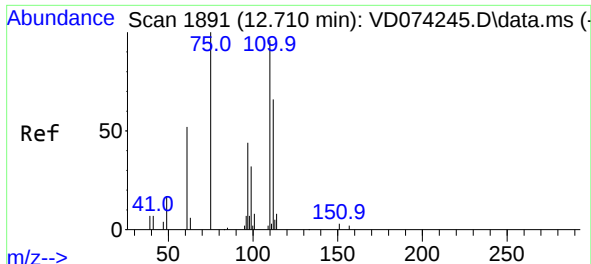
Tgt Ion:117 Resp: 135599
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.012 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Tgt Ion:152 Resp: 98508
Ion Ratio Lower Upper
152 100
115 56.8 28.4 85.2
150 155.5 0.0 351.0

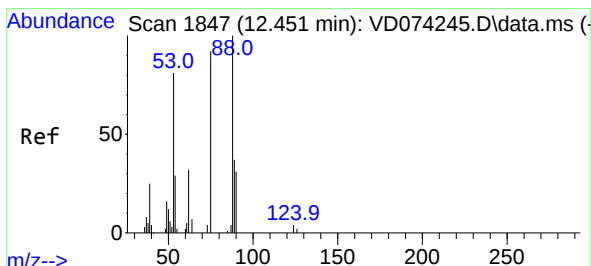
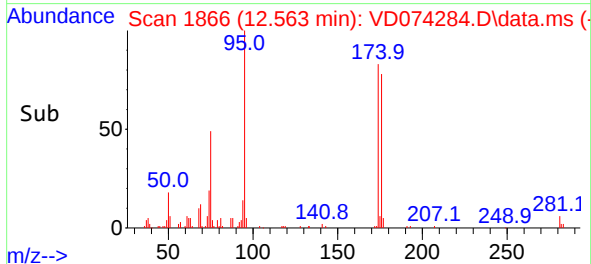
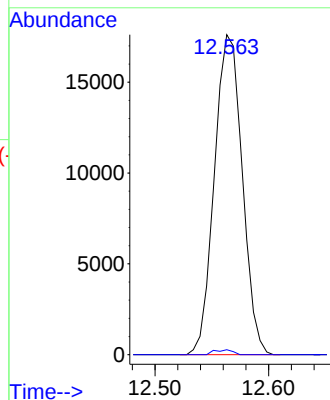
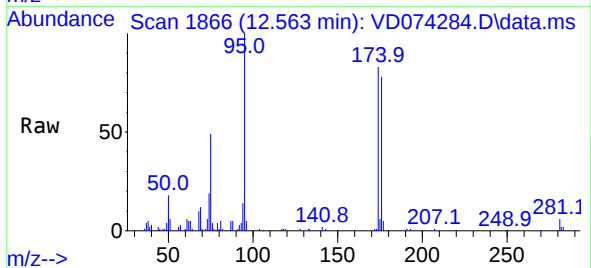




#76
1,2,3-Trichloropropane
Concen: 29.752 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.147 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 30045
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.355 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.112 min
Lab File: VD074284.D
Acq: 14 Sep 2022 14:54

Tgt Ion: 75 Resp: 30045
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

