

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091622\
 Data File : VD074332.D
 Acq On : 16 Sep 2022 16:19
 Operator : VA/SY
 Sample : VD0916SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBL01

Quant Time: Sep 17 04:23:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

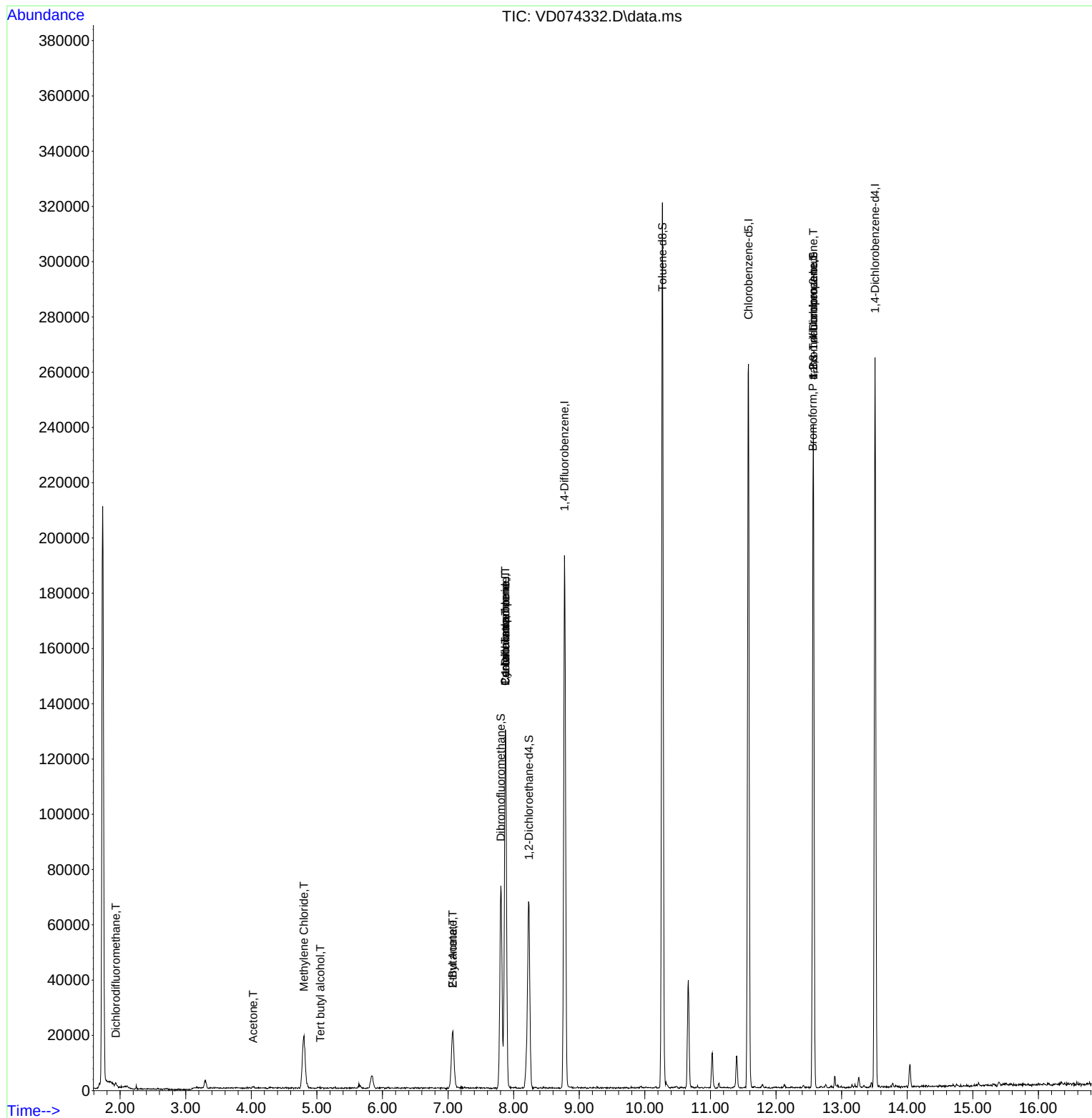
Internal Standards						
1) Pentafluorobenzene	7.875	168	101592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	172536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	153634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	69380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52582	53.139	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.280%	
35) Dibromofluoromethane	7.804	113	52982	46.625	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.260%	
50) Toluene-d8	10.269	98	217596	55.496	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.000%	
62) 4-Bromofluorobenzene	12.569	95	62120	46.329	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.660%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	1041	1.112	ug/l	83
11) Tert butyl alcohol	5.051	59	74	1.107	ug/l #	74
16) Acetone	4.028	43	765	3.432	ug/l #	42
18) Methyl Acetate	4.769	43	146	Below Cal	#	51
20) Methylene Chloride	4.804	84	14369	1.866	ug/l	97
25) 2-Butanone	7.069	43	1233	3.713	ug/l #	48
31) Cyclohexane	7.875	56	2337	1.126	ug/l #	50
36) 1,1-Dichloropropene	7.875	75	8037	4.633	ug/l #	50
37) Ethyl Acetate	7.069	43	1233	1.774	ug/l #	13
38) Carbon Tetrachloride	7.875	117	9925	6.457	ug/l #	15
71) Bromoform	12.563	173	677	1.161	ug/l #	29
76) 1,2,3-Trichloropropane	12.569	75	33099	51.562	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	33099	129.229	ug/l #	100

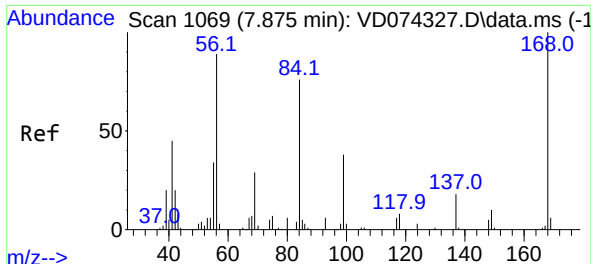
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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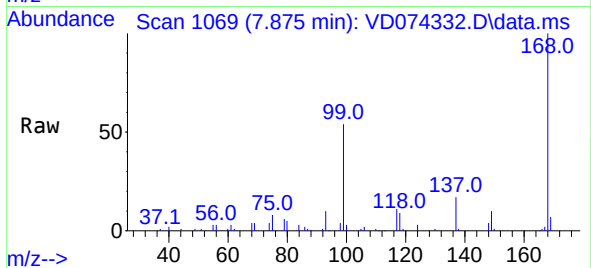
Quant Time: Sep 17 04:23:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 17 04:16:54 2022
Response via : Initial Calibration



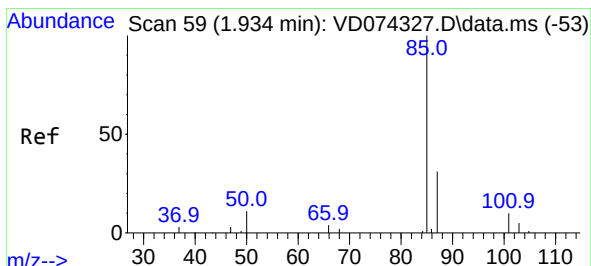
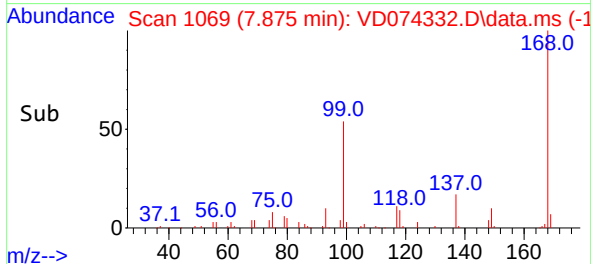
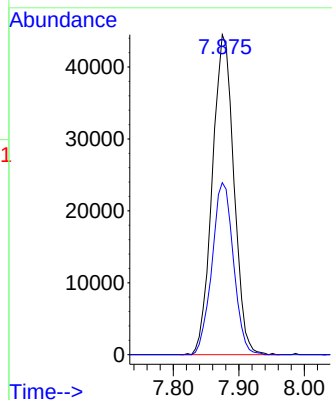


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074332.D
Acq: 16 Sep 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBL01

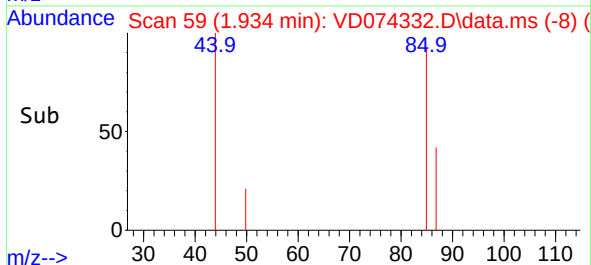
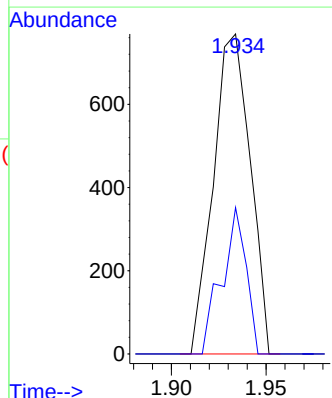
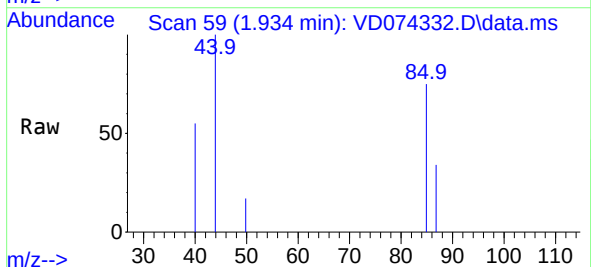


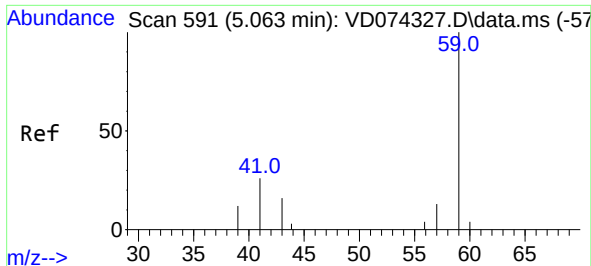
Tgt Ion:168 Resp: 101592
Ion Ratio Lower Upper
168 100
99 53.7 43.0 64.6



#2
Dichlorodifluoromethane
Concen: 1.112 ug/l
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD074332.D
Acq: 16 Sep 2022 16:19

Tgt Ion: 85 Resp: 1041
Ion Ratio Lower Upper
85 100
87 45.8 17.9 53.7





#11

Tert butyl alcohol

Concen: 1.107 ug/l

RT: 5.051 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :

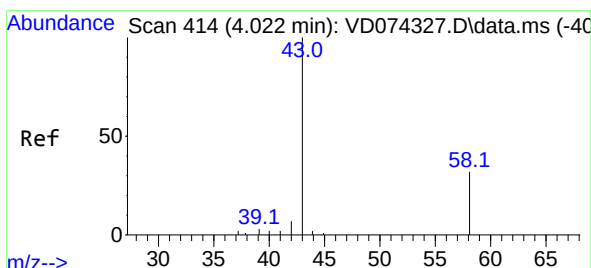
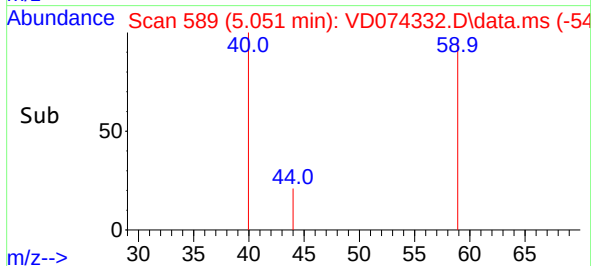
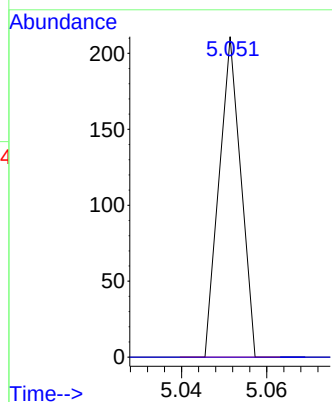
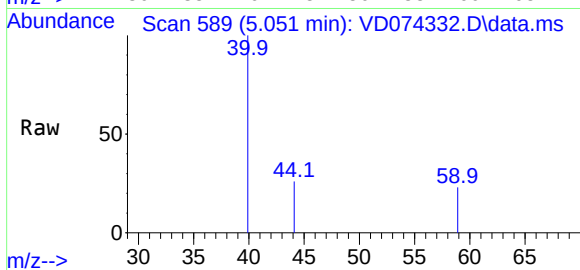
VD0916SBL01

Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 3.432 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD074332.D

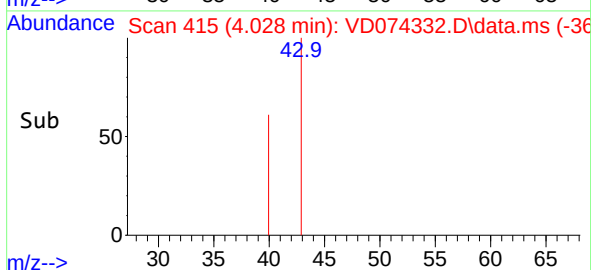
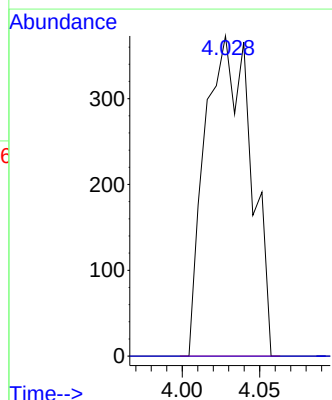
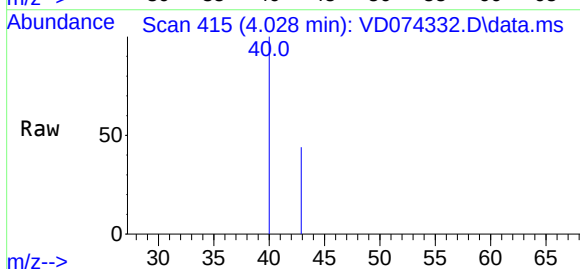
Acq: 16 Sep 2022 16:19

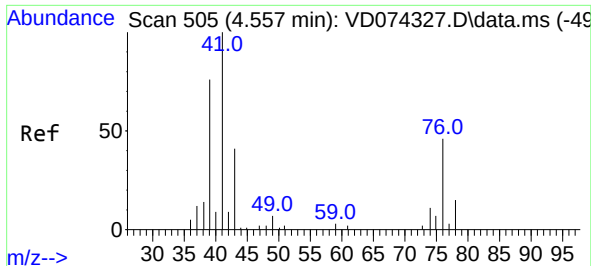
Tgt Ion: 43 Resp: 765

Ion Ratio Lower Upper

43 100

58 0.0 26.4 39.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.769 min Scan# 541

Delta R.T. 0.212 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :

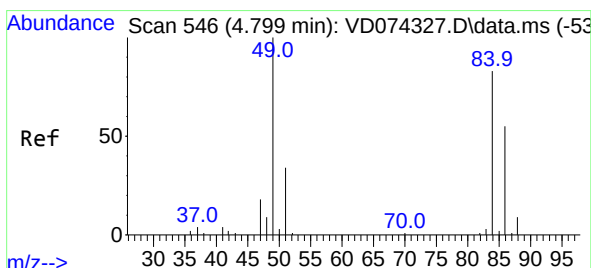
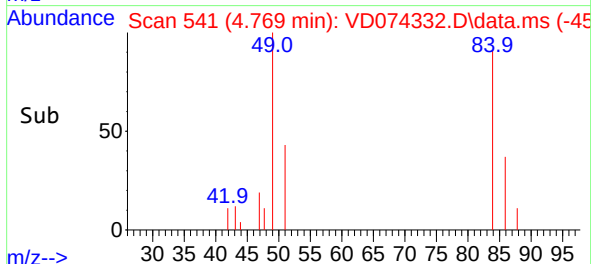
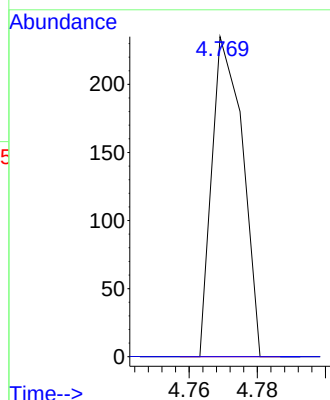
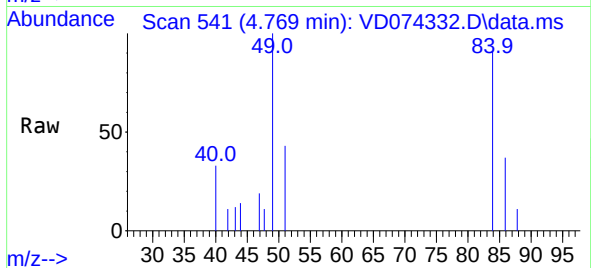
VD0916SBL01

Tgt Ion: 43 Resp: 146

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#



#20

Methylene Chloride

Concen: 1.866 ug/l

RT: 4.804 min Scan# 547

Delta R.T. 0.005 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

Tgt Ion: 84 Resp: 14369

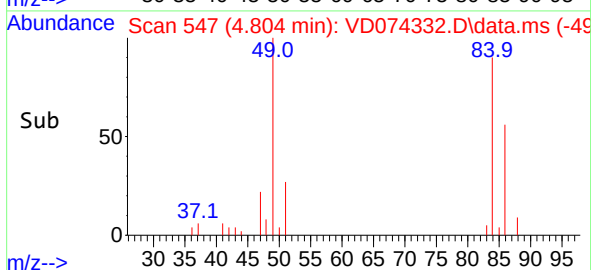
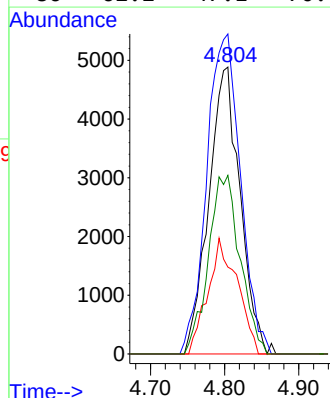
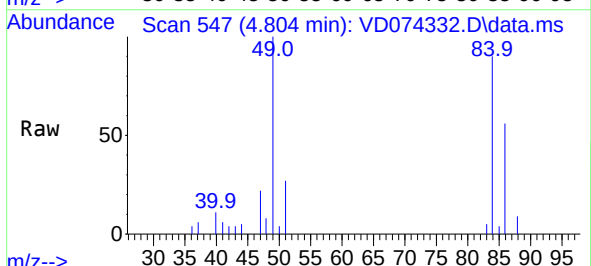
Ion Ratio Lower Upper

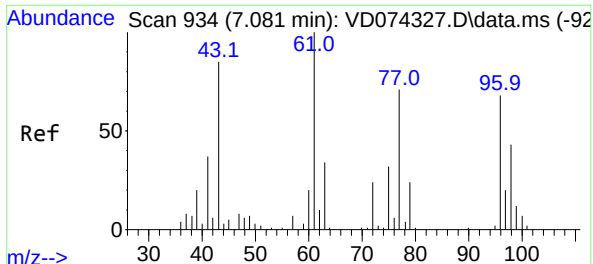
84 100

49 111.5 88.4 132.6

51 30.3 28.0 42.0

86 62.2 47.1 70.7





#25

2-Butanone

Concen: 3.713 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :

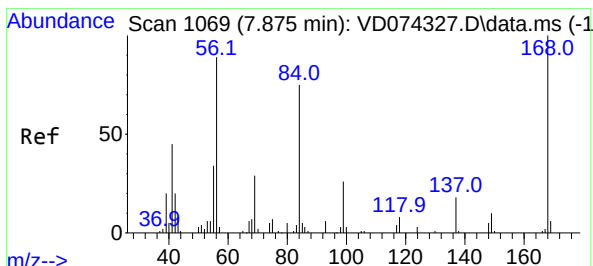
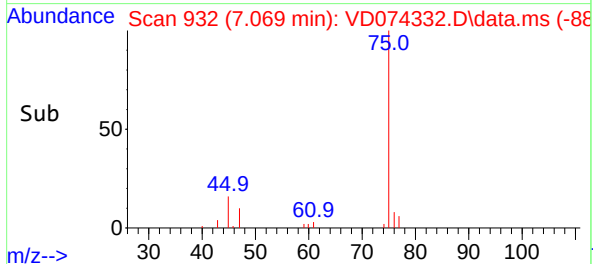
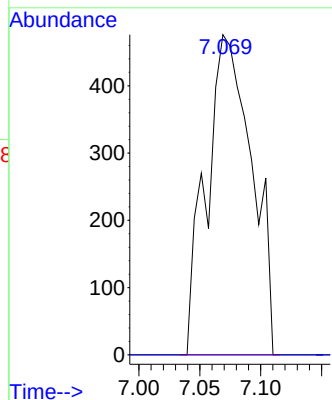
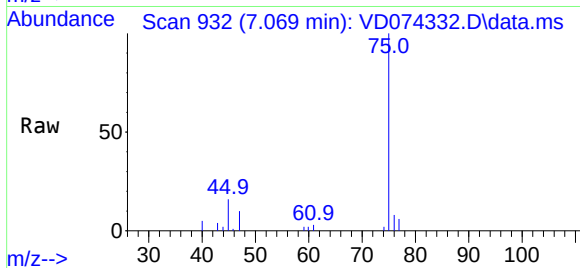
VD0916SBL01

Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.6#



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

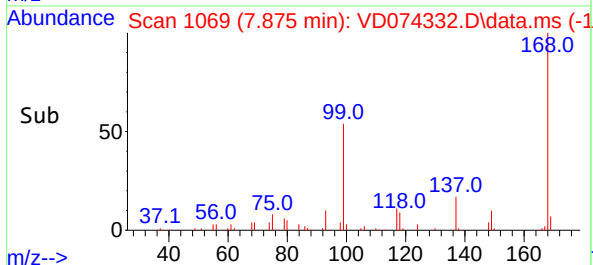
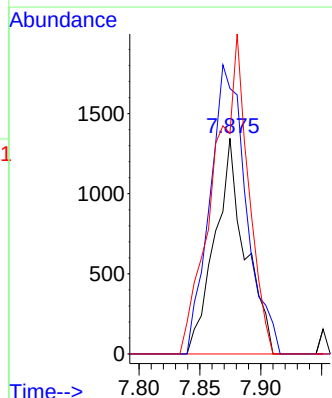
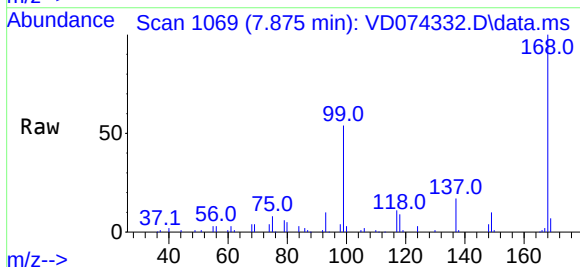
Tgt Ion: 56 Resp: 2337

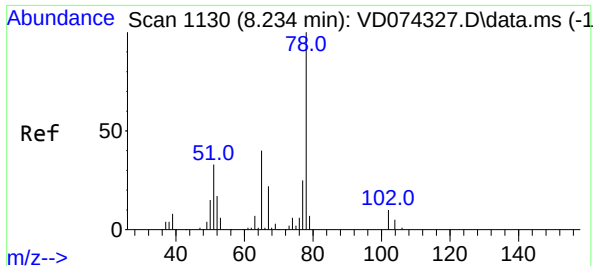
Ion Ratio Lower Upper

56 100

69 123.1 25.7 38.5#

84 102.2 73.9 110.9





#33

1,2-Dichloroethane-d4

Concen: 53.139 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :

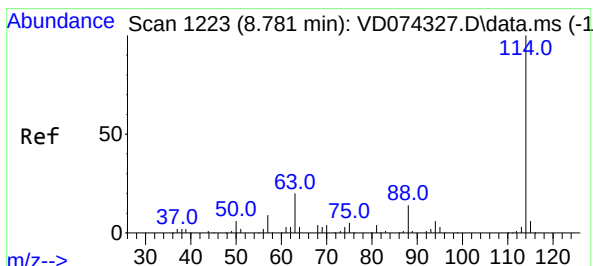
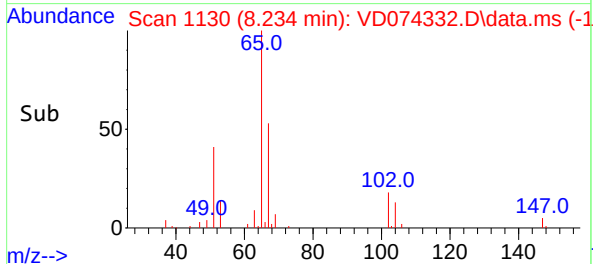
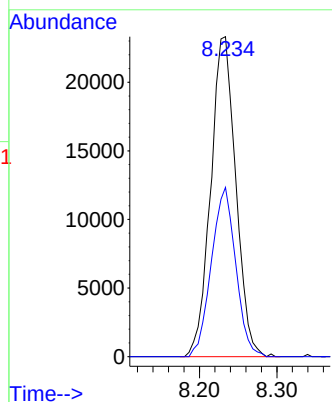
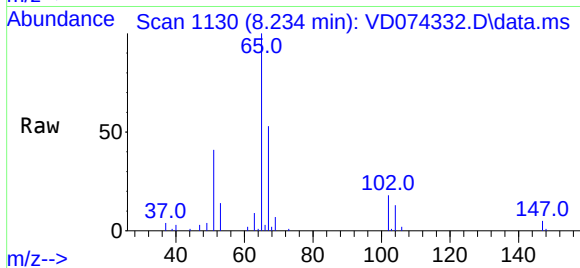
VD0916SBL01

Tgt Ion: 65 Resp: 52582

Ion Ratio Lower Upper

65 100

67 51.3 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

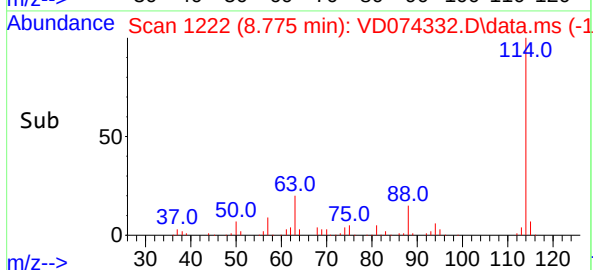
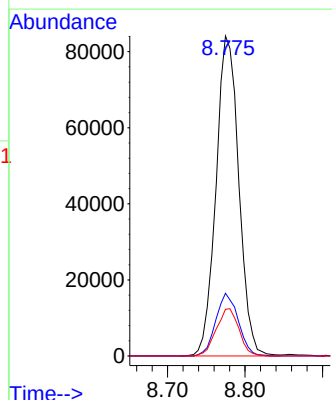
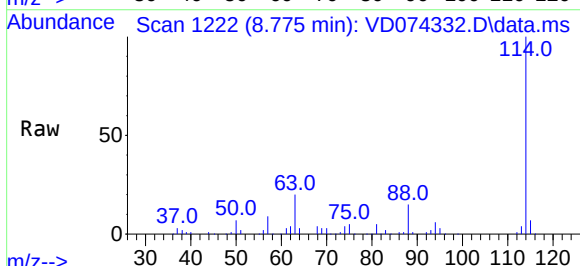
Tgt Ion: 114 Resp: 172536

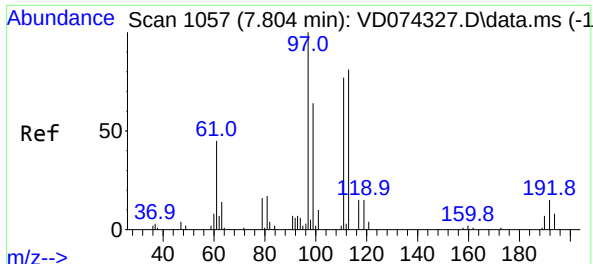
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.6

88 14.6 0.0 28.4





#35

Dibromofluoromethane

Concen: 46.625 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBL01

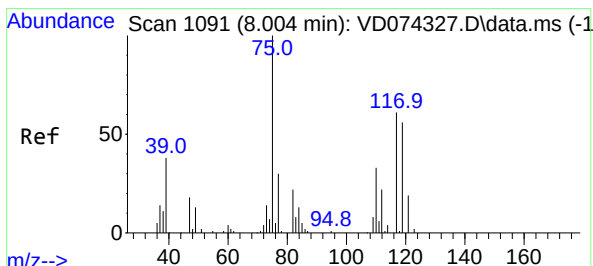
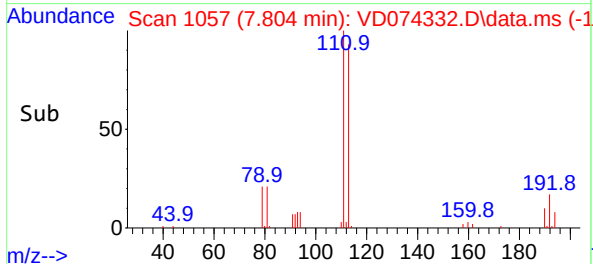
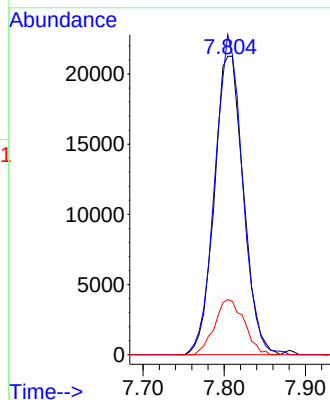
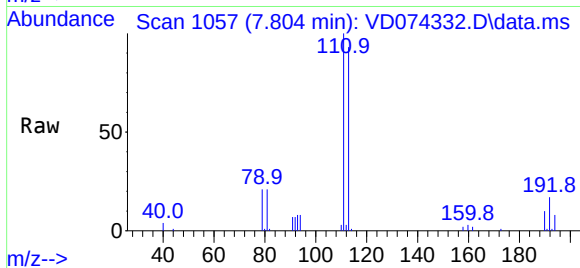
Tgt Ion:113 Resp: 52982

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.6

192 18.8 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.633 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

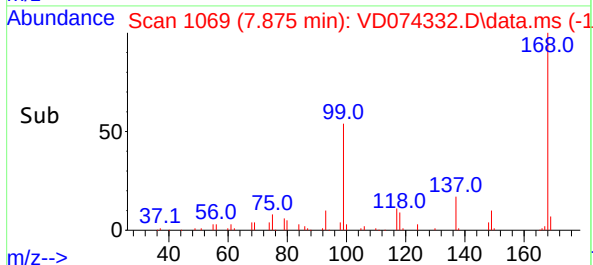
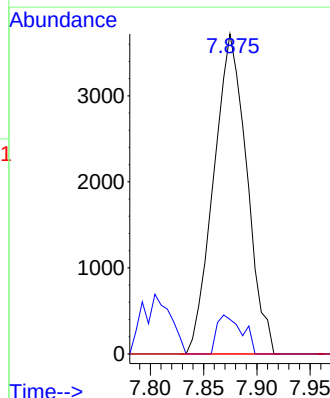
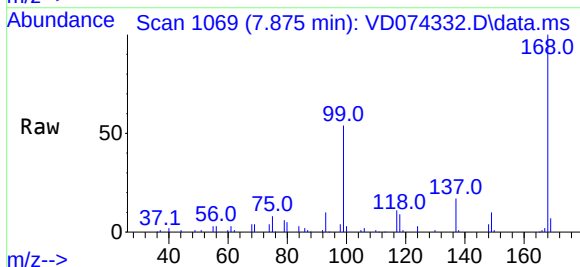
Tgt Ion: 75 Resp: 8037

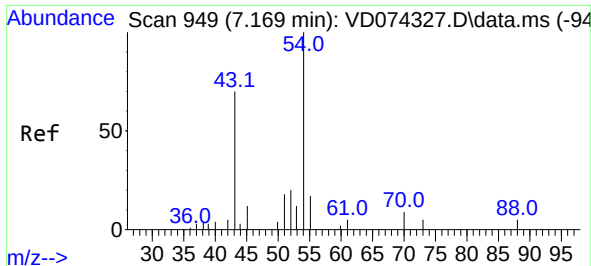
Ion Ratio Lower Upper

75 100

110 9.2 17.5 52.5#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.774 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.100 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBL01

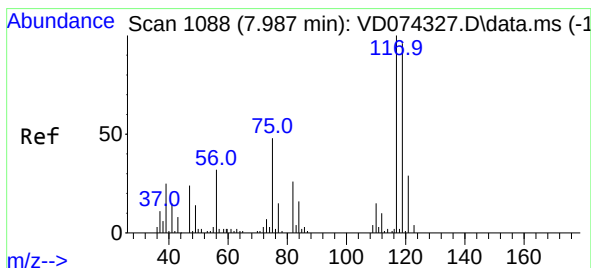
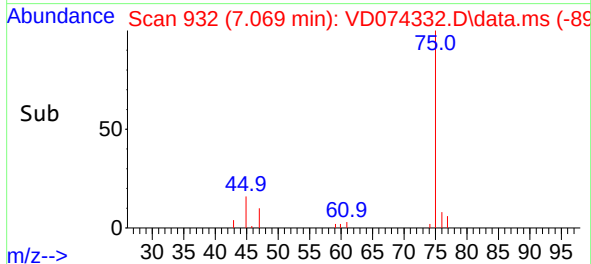
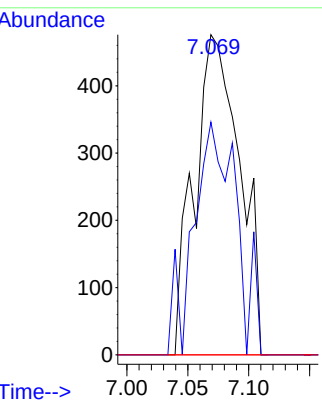
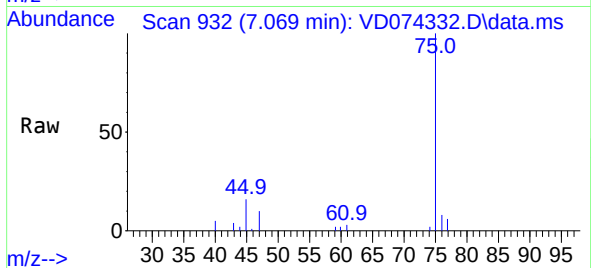
Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

43 100

61 68.9 12.1 18.1#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.457 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074332.D

Acq: 16 Sep 2022 16:19

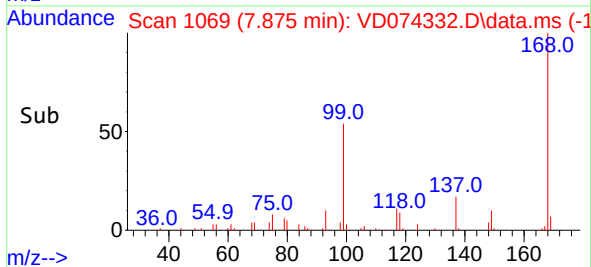
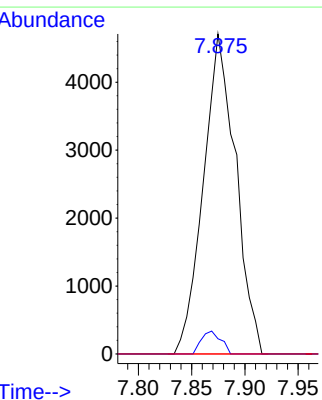
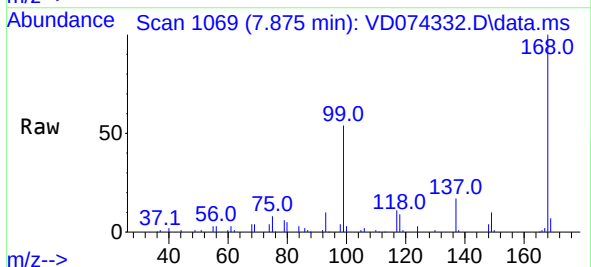
Tgt Ion: 117 Resp: 9925

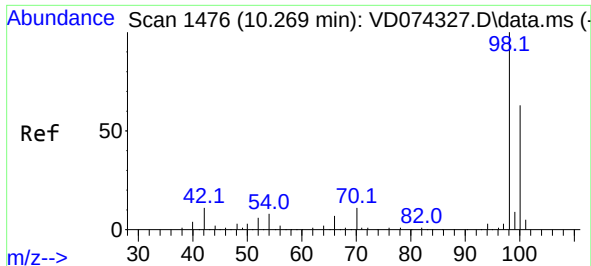
Ion Ratio Lower Upper

117 100

119 4.8 78.8 118.2#

121 0.0 23.9 35.9#

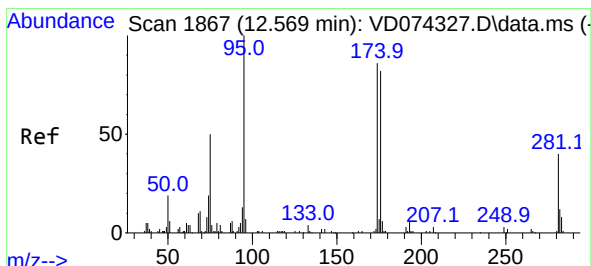
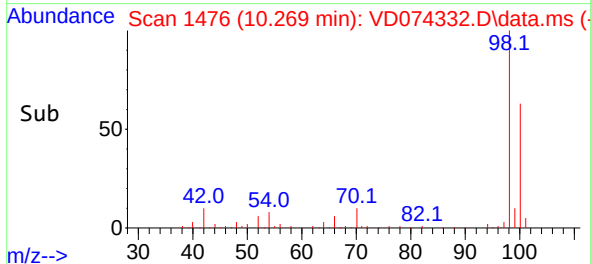
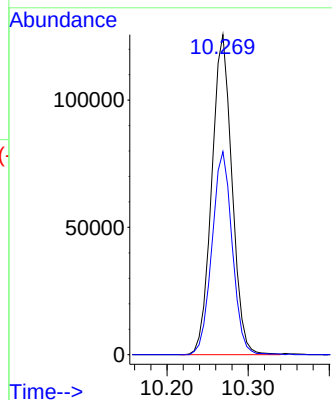
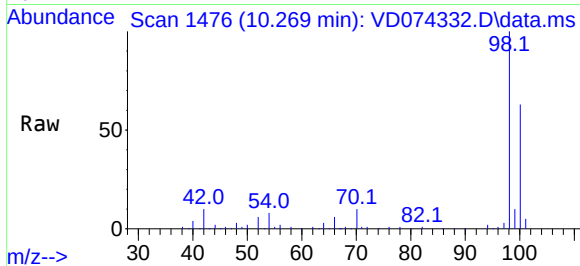




#50
Toluene-d8
Concen: 55.496 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074332.D
Acq: 16 Sep 2022 16:19

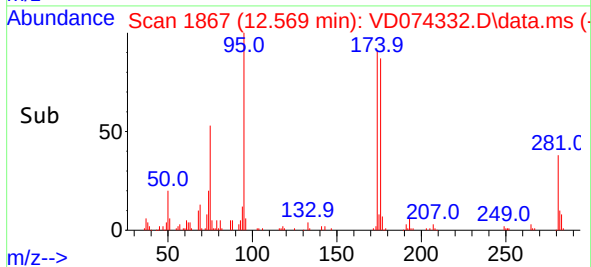
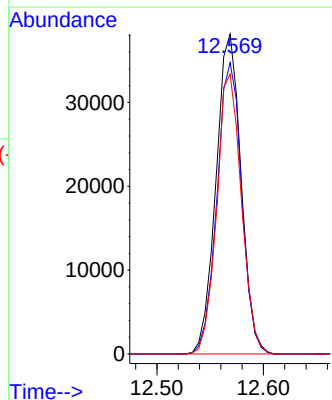
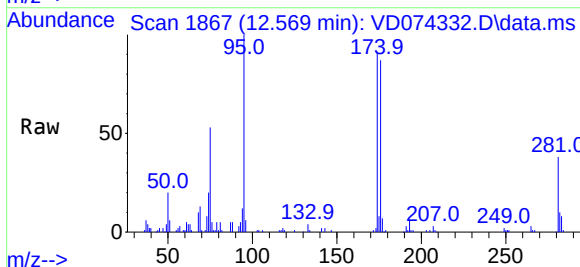
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBL01

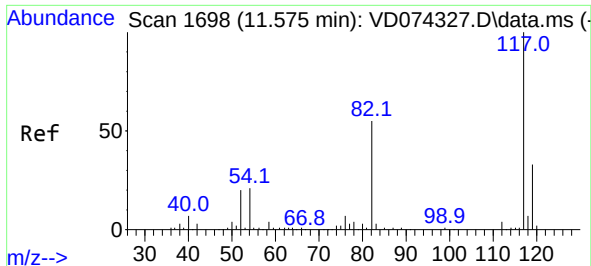
Tgt Ion: 98 Resp: 217596
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 46.329 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074332.D
Acq: 16 Sep 2022 16:19

Tgt Ion: 95 Resp: 62120
Ion Ratio Lower Upper
95 100
174 90.3 0.0 179.2
176 86.2 0.0 171.4

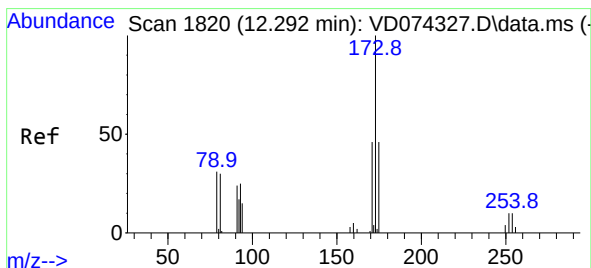
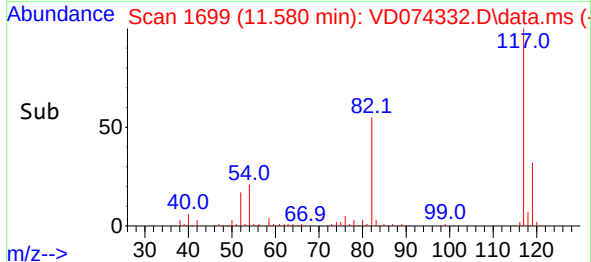
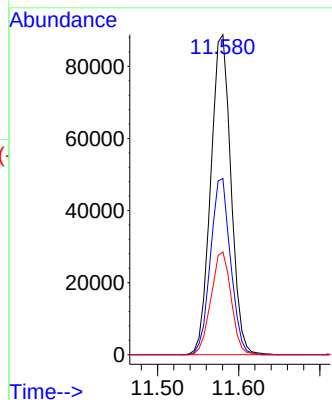
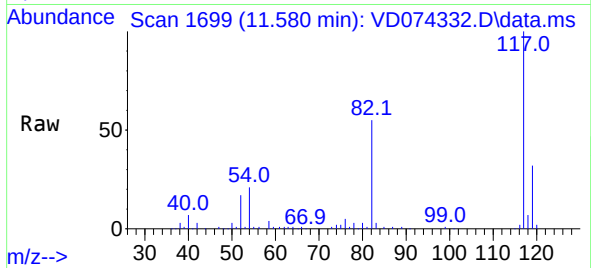




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 11
Delta R.T. 0.005 min
Lab File: VD074332.D
Acq: 16 Sep 2022 16:19

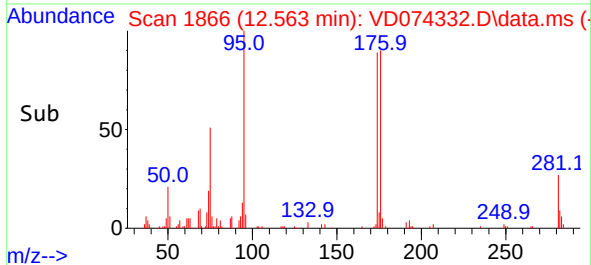
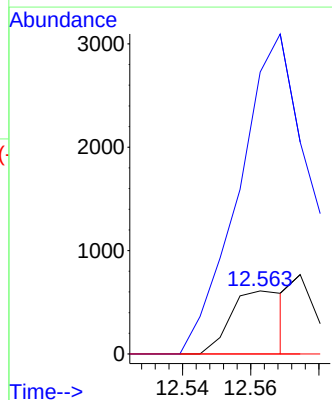
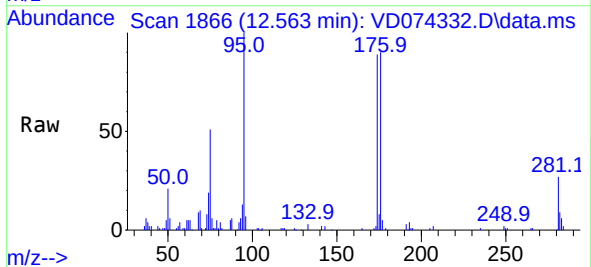
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBL01

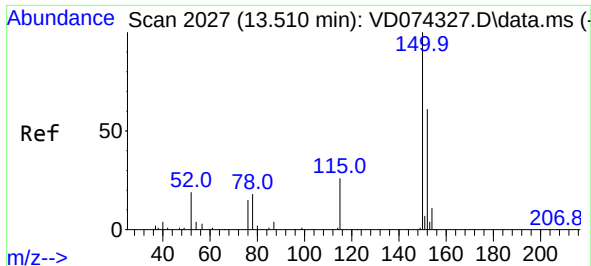
Tgt Ion:117 Resp: 153634
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 32.1 25.4 38.0



#71
Bromoform
Concen: 1.161 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.271 min
Lab File: VD074332.D
Acq: 16 Sep 2022 16:19

Tgt Ion:173 Resp: 677
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

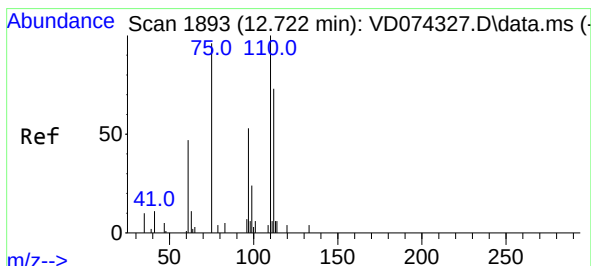
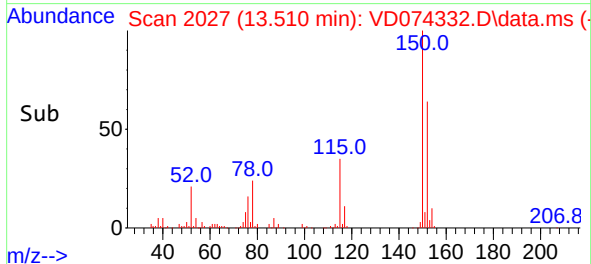
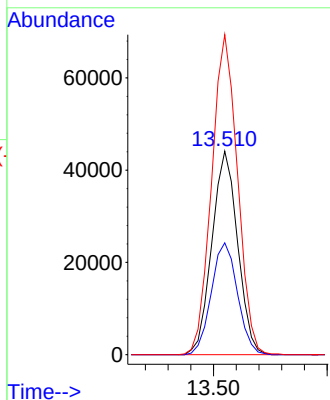
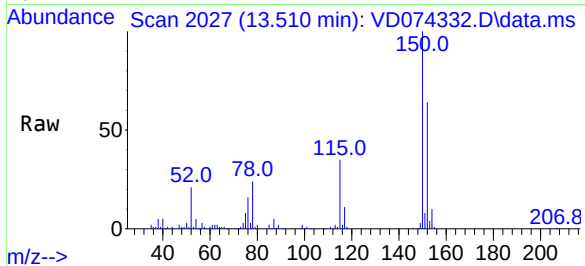




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD074332.D
Acq: 16 Sep 2022 16:19

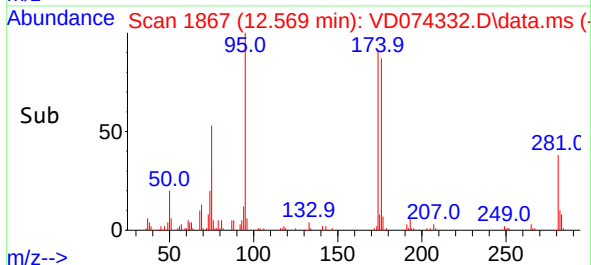
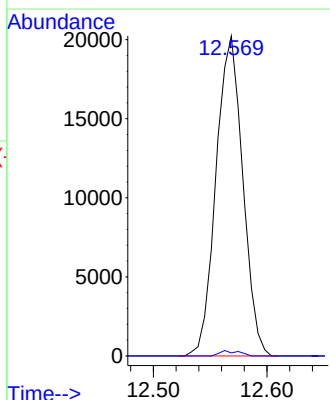
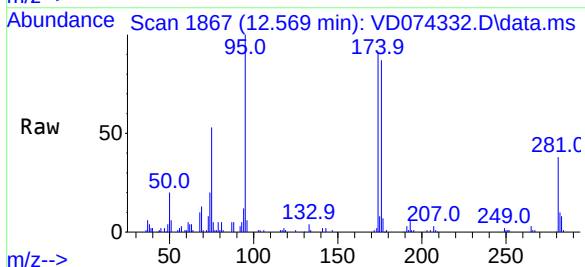
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBL01

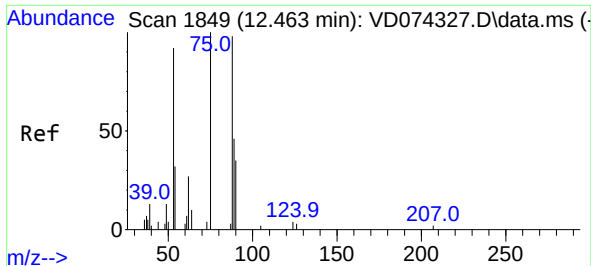
Tgt Ion:152 Resp: 69380
Ion Ratio Lower Upper
152 100
115 56.0 28.4 85.2
150 158.4 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 51.562 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074332.D
Acq: 16 Sep 2022 16:19

Tgt Ion: 75 Resp: 33099
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.229 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.106 min
 Lab File: VD074332.D
 Acq: 16 Sep 2022 16:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBL01

Tgt Ion: 75 Resp: 33099
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

