

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110821\
 Data File : VD070940.D
 Acq On : 08 Nov 2021 17:27
 Operator : VA/SY
 Sample : M4519-04
 Misc : 5.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4

Quant Time: Nov 09 02:34:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 08 13:56:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	460249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	861562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	816608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	374625	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	259404	45.890	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.780%
35) Dibromofluoromethane	7.908	113	263563	48.832	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.660%
50) Toluene-d8	10.332	98	1068689	50.937	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.880%
62) 4-Bromofluorobenzene	12.620	95	396584	50.071	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.140%

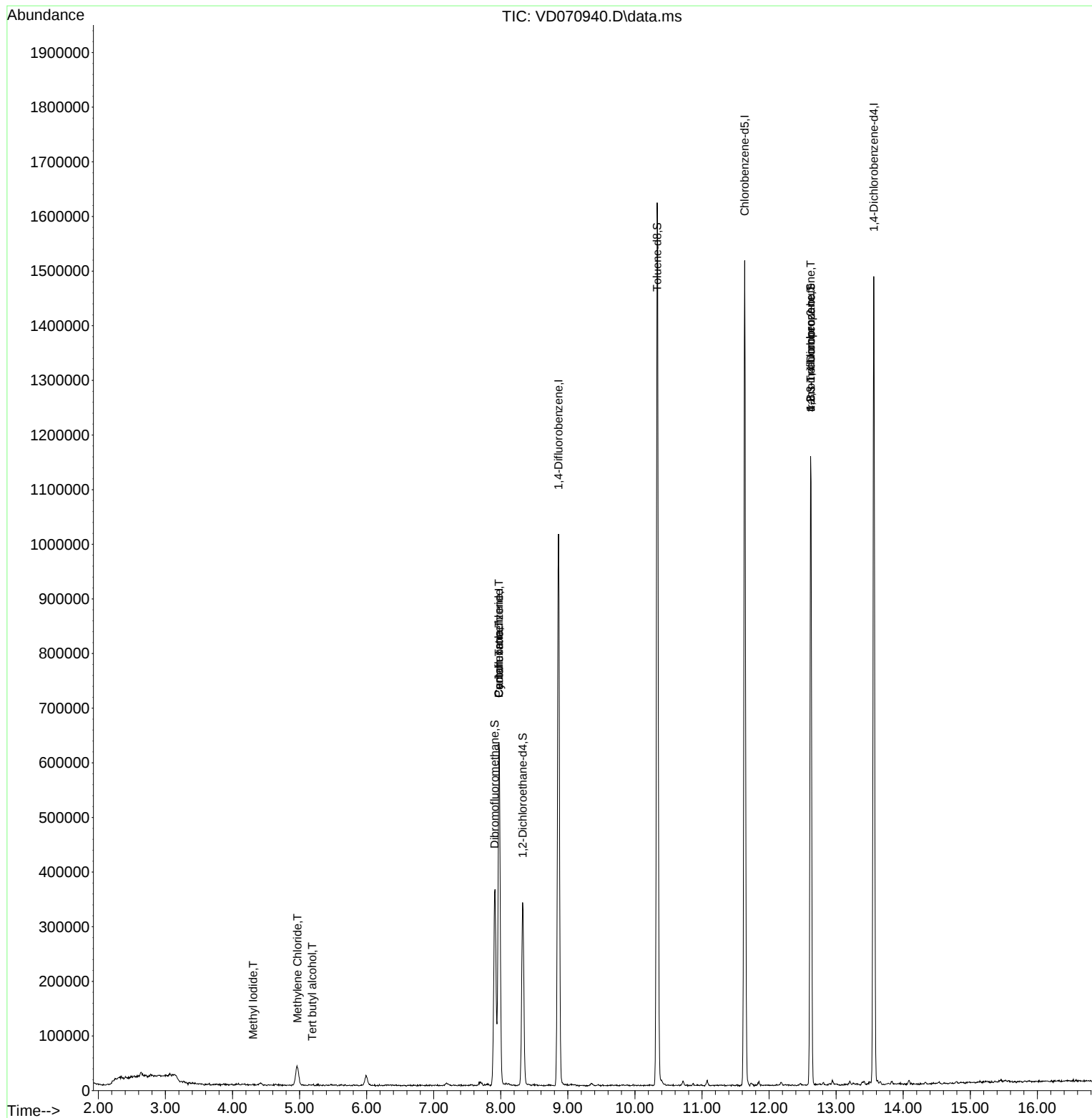
Target Compounds					Qvalue	
10) Methyl Iodide	4.308	142	696	4.559	ug/l #	65
11) Tert butyl alcohol	5.191	59	463	1.265	ug/l #	42
13) Acrolein	3.932	56	96	Below Cal	#	1
16) Acetone	4.150	43	1613	Below Cal	#	85
20) Methylene Chloride	4.967	84	26209	1.849	ug/l	91
31) Cyclohexane	7.973	56	13572	1.227	ug/l #	1
38) Carbon Tetrachloride	7.973	117	46802	5.476	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	203955	54.033	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	203955	128.205	ug/l #	18

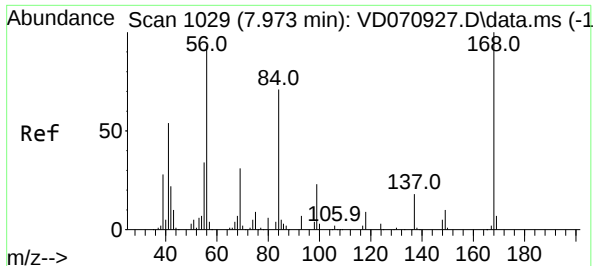
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

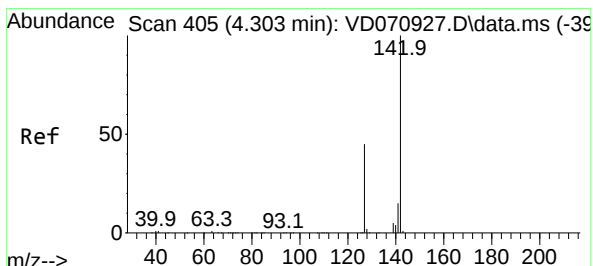
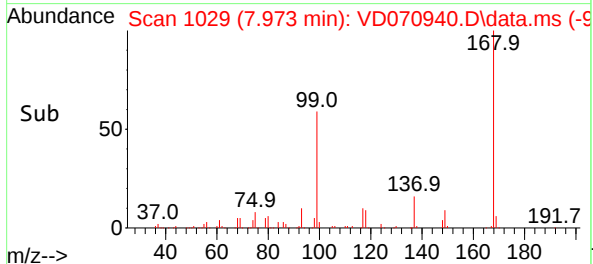
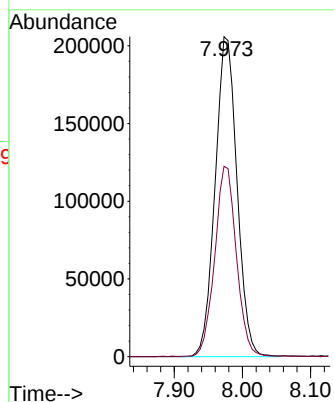
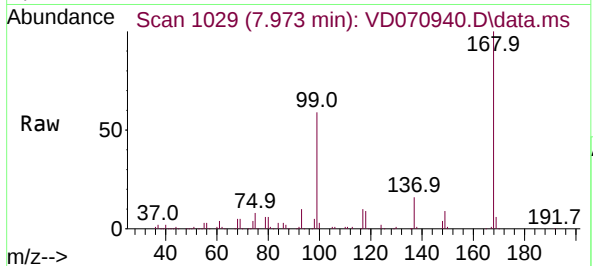




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

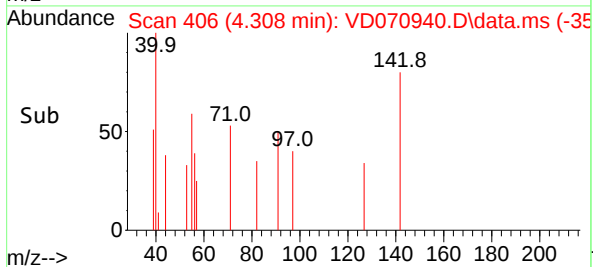
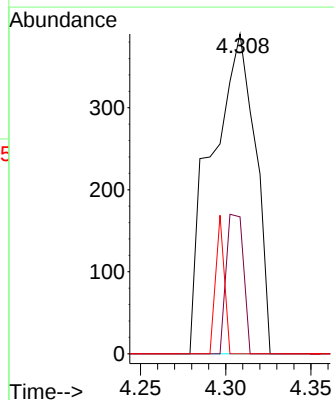
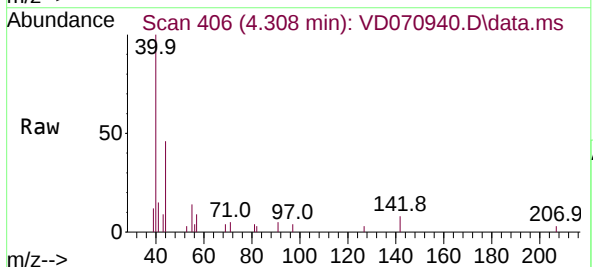
Instrument :
MSVOA_D
ClientSampleId :
SB-4

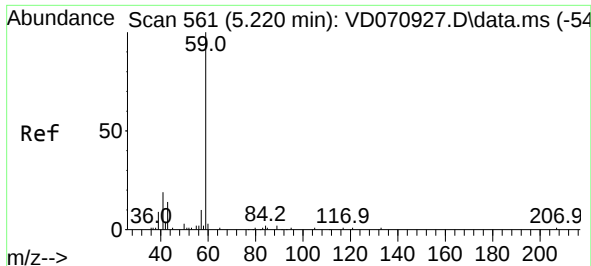
Tgt Ion:168 Resp: 460249
Ion Ratio Lower Upper
168 100
99 59.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.559 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

Tgt Ion:142 Resp: 696
Ion Ratio Lower Upper
142 100
127 17.1 35.0 52.4#
141 8.6 12.0 18.0#





#11

Tert butyl alcohol

Concen: 1.265 ug/l

RT: 5.191 min Scan# 51

Delta R.T. -0.029 min

Lab File: VD070940.D

Acq: 08 Nov 2021 17:27

Instrument :

MSVOA_D

ClientSampleId :

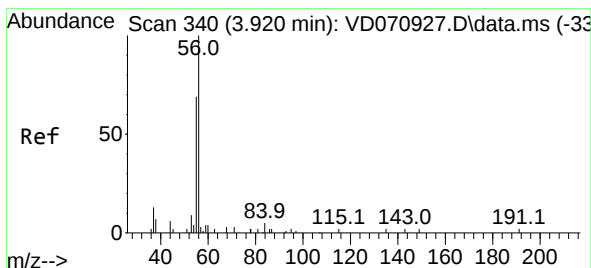
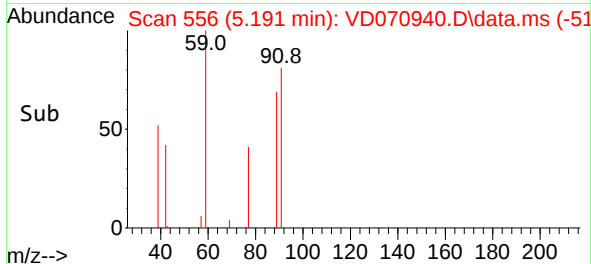
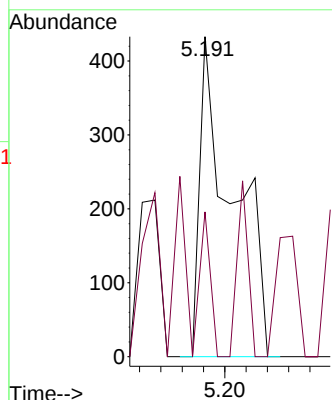
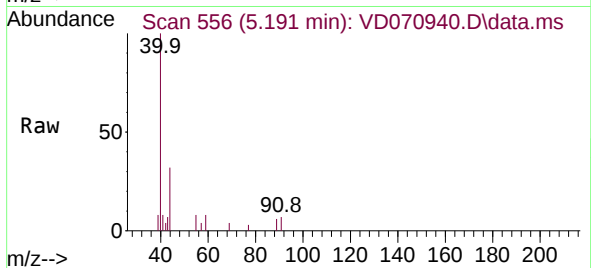
SB-4

Tgt Ion: 59 Resp: 463

Ion Ratio Lower Upper

59 100

57 33.5 9.0 13.4#



#13

Acrolein

Concen: Below Cal

RT: 3.932 min Scan# 342

Delta R.T. 0.012 min

Lab File: VD070940.D

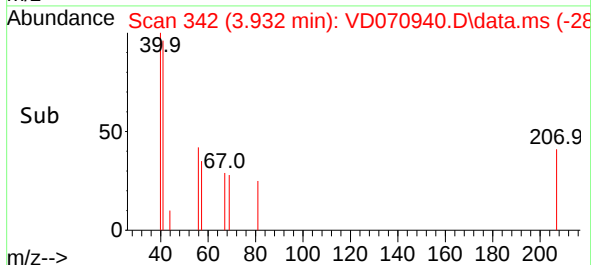
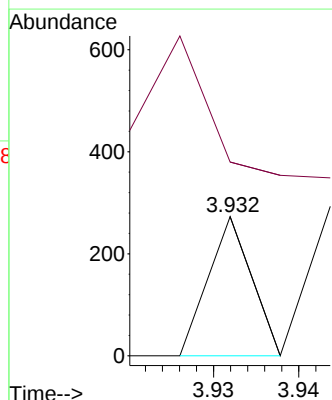
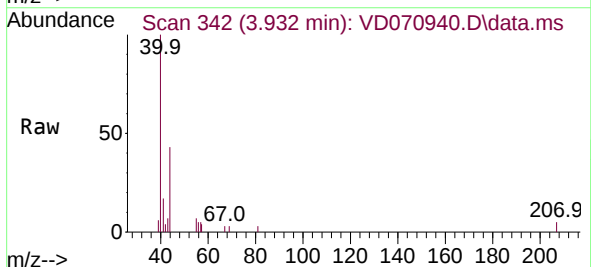
Acq: 08 Nov 2021 17:27

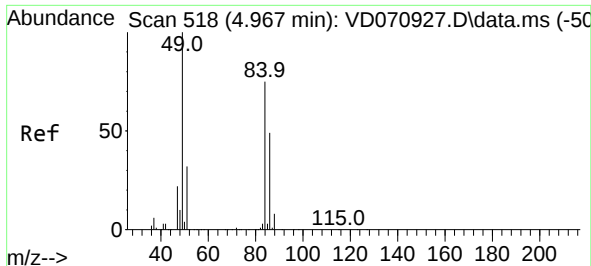
Tgt Ion: 56 Resp: 96

Ion Ratio Lower Upper

56 100

55 679.2 58.6 87.8#

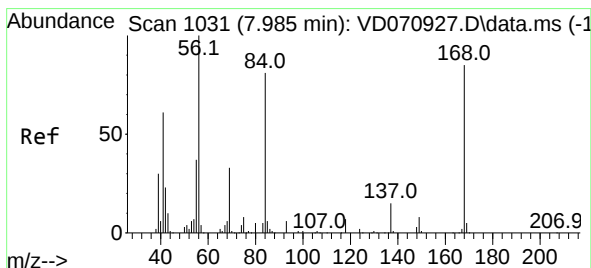
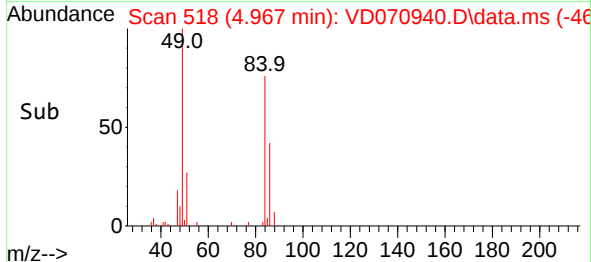
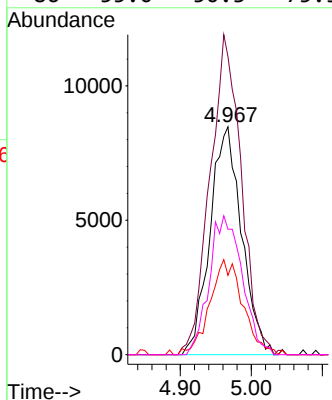
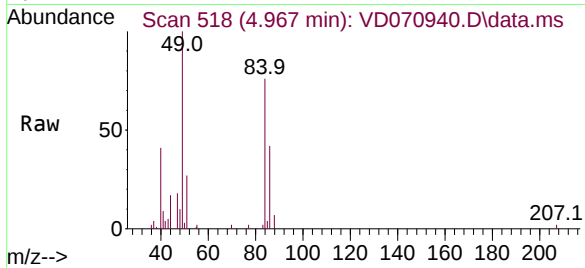




#20
Methylene Chloride
Concen: 1.849 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

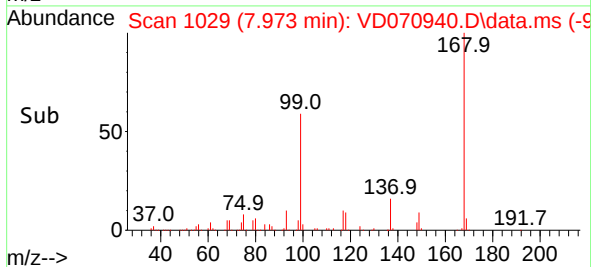
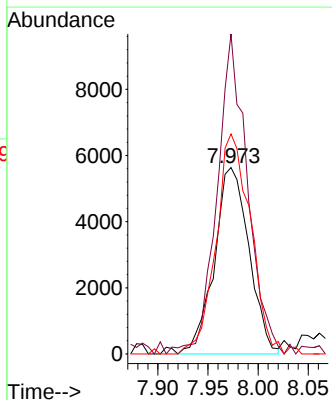
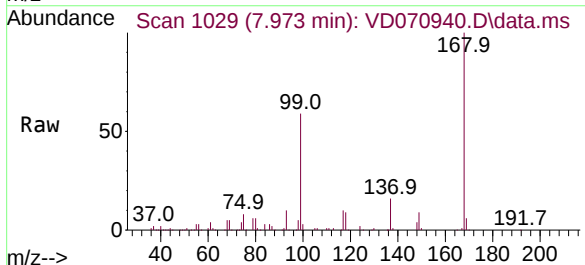
Instrument :
MSVOA_D
ClientSampleId :
SB-4

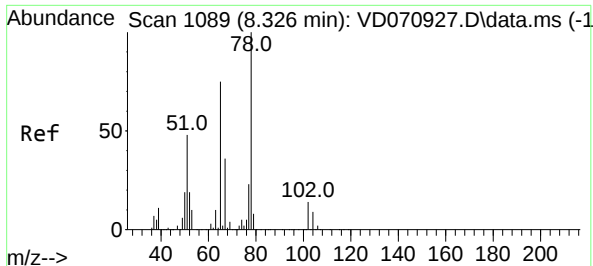
Tgt Ion:	84	Resp:	26209
Ion	Ratio	Lower	Upper
84	100		
49	130.8	95.8	143.6
51	34.8	30.9	46.3
86	55.0	50.3	75.5



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

Tgt Ion:	56	Resp:	13572
Ion	Ratio	Lower	Upper
56	100		
69	168.5	25.9	38.9#
84	118.1	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 45.890 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD070940.D

Acq: 08 Nov 2021 17:27

Instrument :

MSVOA_D

ClientSampleId :

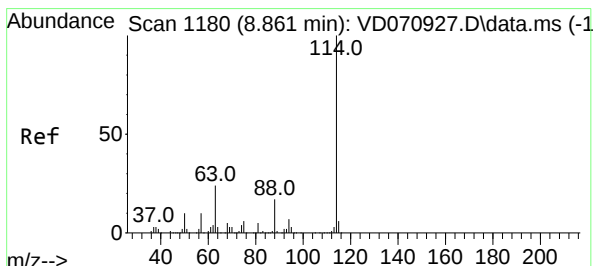
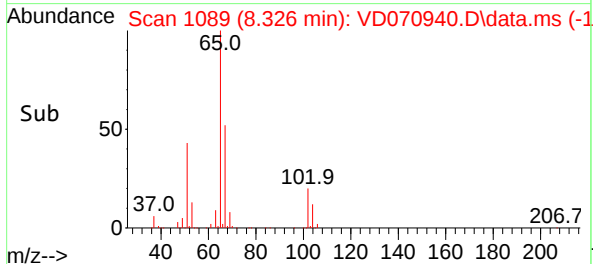
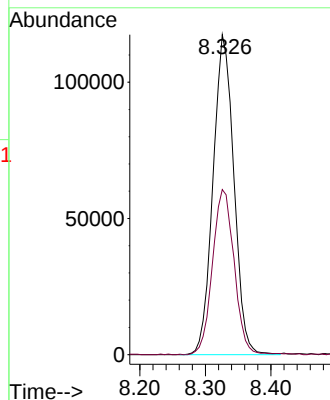
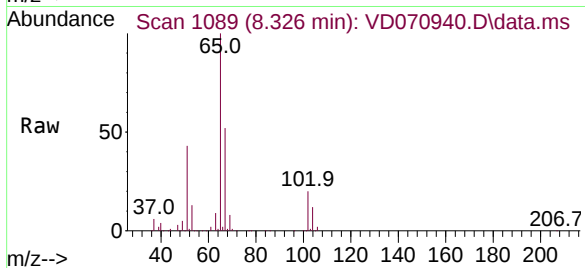
SB-4

Tgt Ion: 65 Resp: 259404

Ion Ratio Lower Upper

65 100

67 53.4 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070940.D

Acq: 08 Nov 2021 17:27

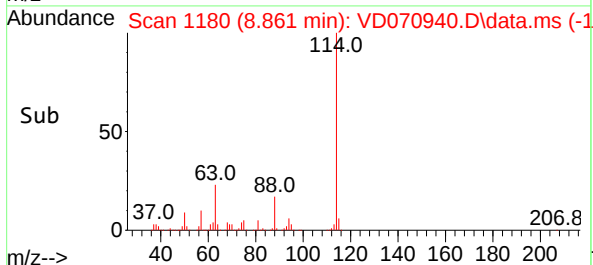
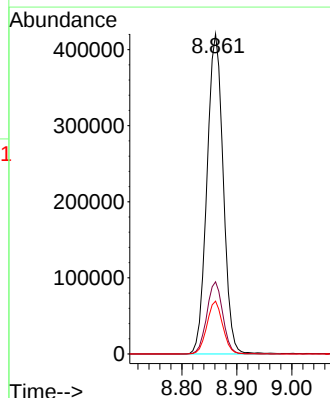
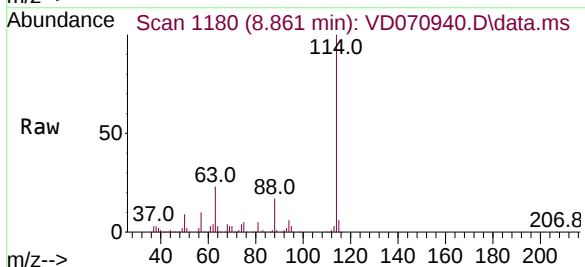
Tgt Ion: 114 Resp: 861562

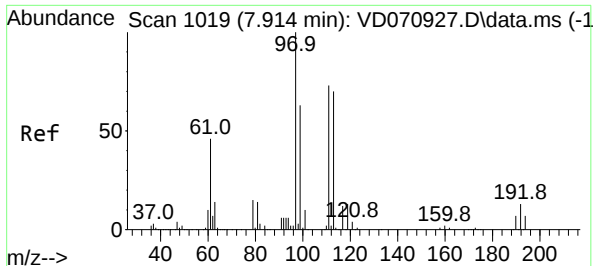
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.832 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070940.D

Acq: 08 Nov 2021 17:27

Instrument :

MSVOA_D

ClientSampleId :

SB-4

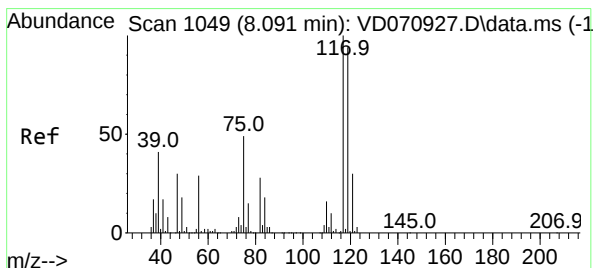
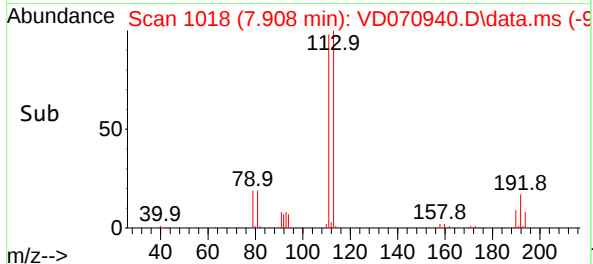
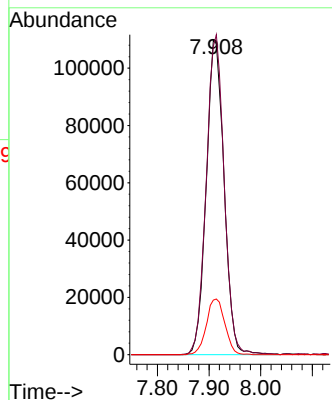
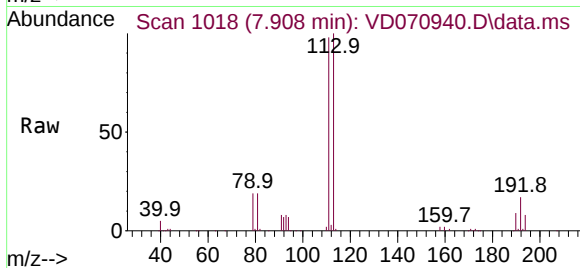
Tgt Ion:113 Resp: 263563

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 18.3 15.2 22.8



#38

Carbon Tetrachloride

Concen: 5.476 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD070940.D

Acq: 08 Nov 2021 17:27

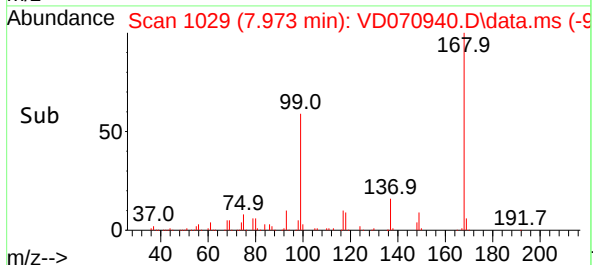
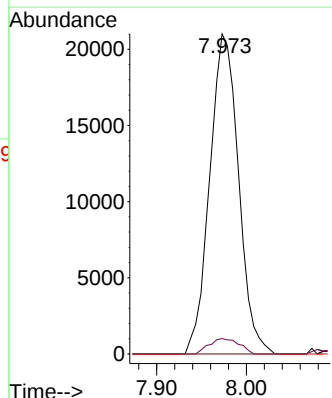
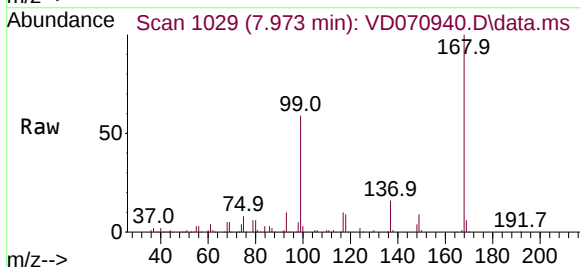
Tgt Ion:117 Resp: 46802

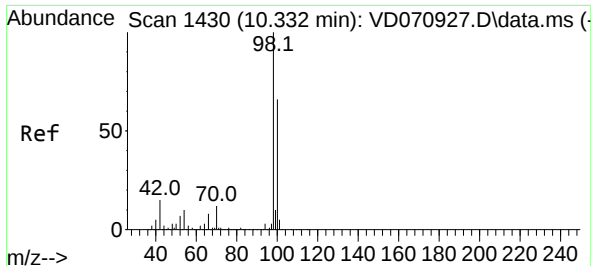
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

121 0.0 23.6 35.4#

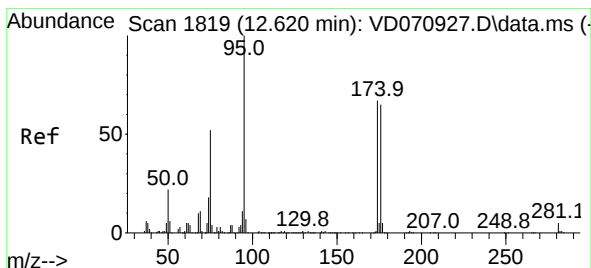
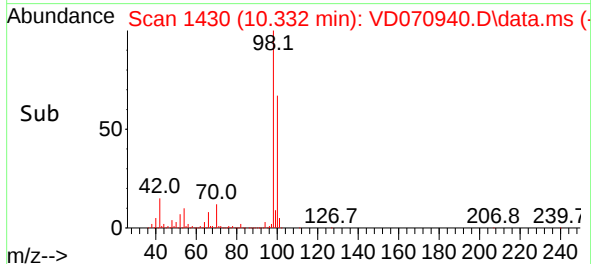
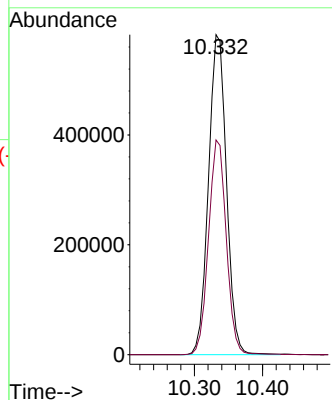
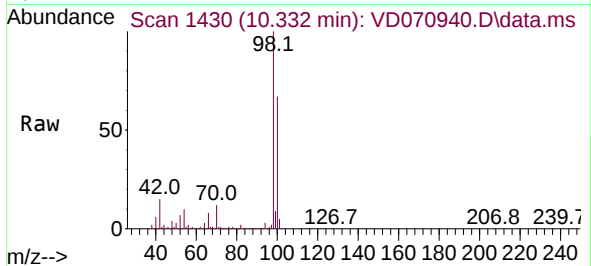




#50
Toluene-d8
Concen: 50.937 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

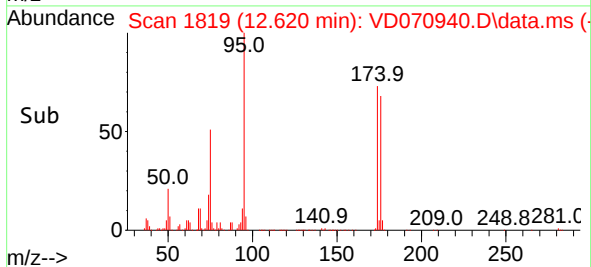
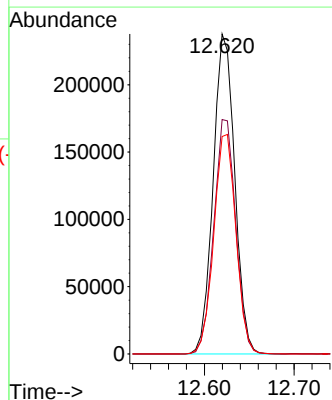
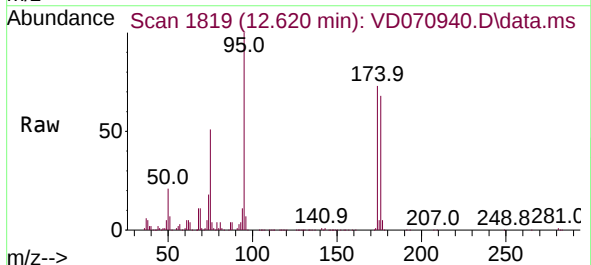
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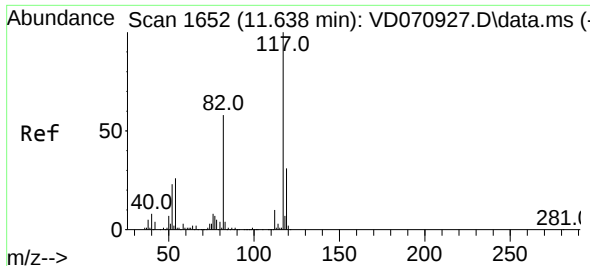
Tgt Ion: 98 Resp: 1068689
Ion Ratio Lower Upper
98 100
100 66.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 50.071 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

Tgt Ion: 95 Resp: 396584
Ion Ratio Lower Upper
95 100
174 74.6 0.0 159.4
176 70.6 0.0 154.0

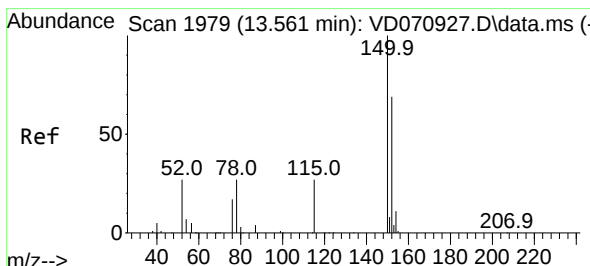
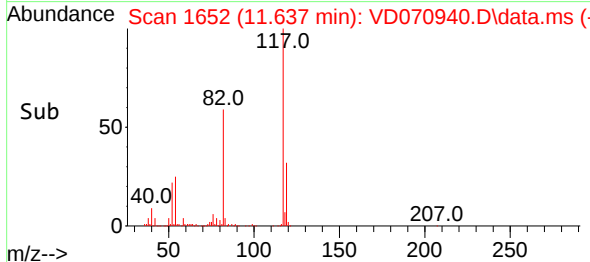
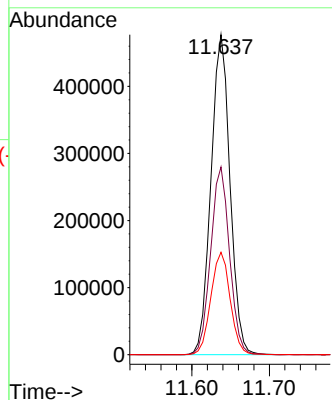
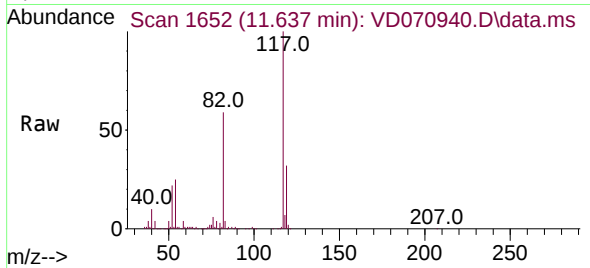




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

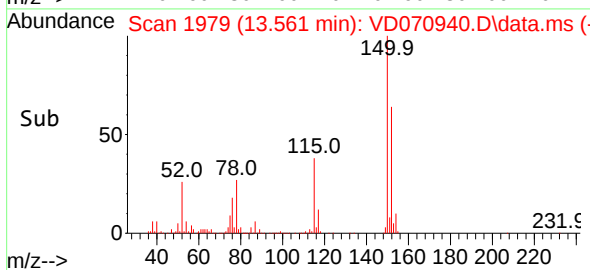
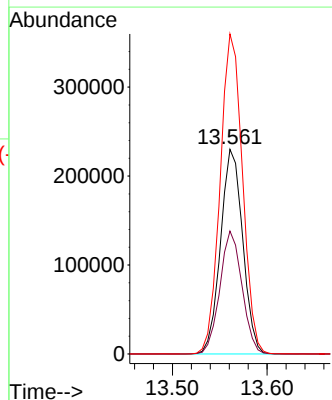
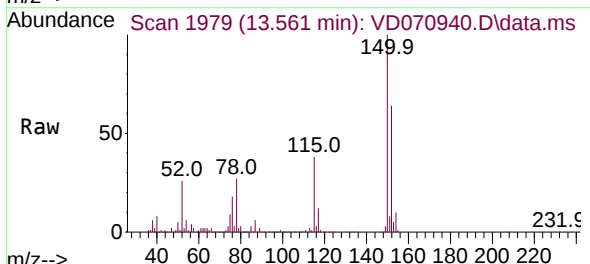
Instrument :
MSVOA_D
ClientSampleId :
SB-4

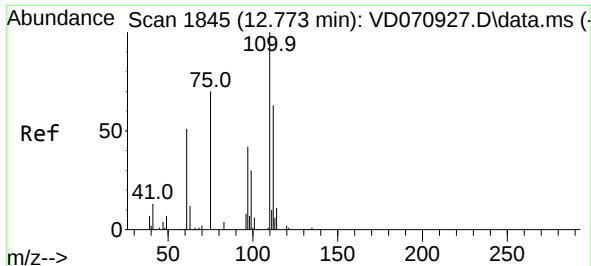
Tgt Ion:117 Resp: 816608
Ion Ratio Lower Upper
117 100
82 58.7 44.7 67.1
119 32.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

Tgt Ion:152 Resp: 374625
Ion Ratio Lower Upper
152 100
115 59.9 29.8 89.3
150 157.3 0.0 349.2

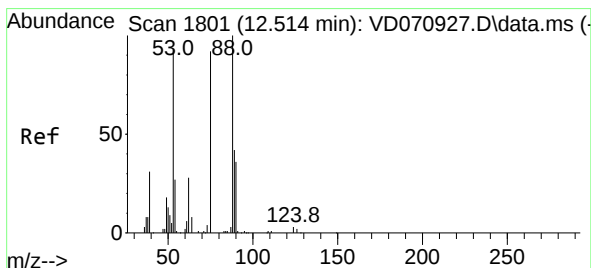
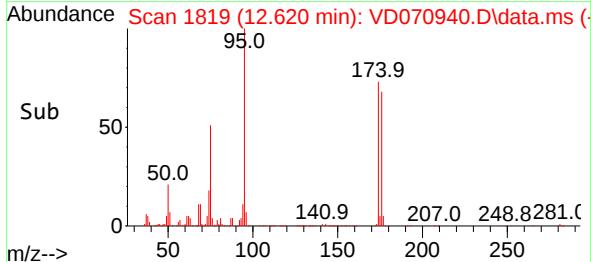
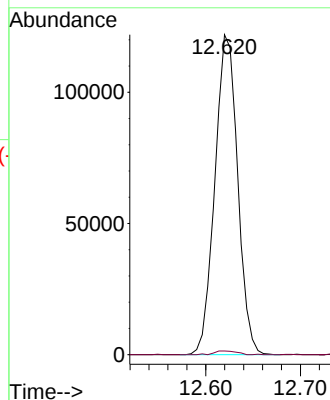
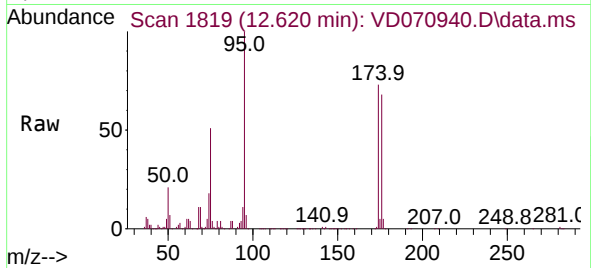




#76
1,2,3-Trichloropropane
Concen: 54.033 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

Instrument :
MSVOA_D
ClientSampleId :
SB-4

Tgt Ion: 75 Resp: 203955
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.205 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070940.D
Acq: 08 Nov 2021 17:27

Tgt Ion: 75 Resp: 203955
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

