

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072332.D
 Acq On : 21 Mar 2022 11:23
 Operator : VA/SY
 Sample : N1981-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-3-031622

Quant Time: Mar 22 02:10:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

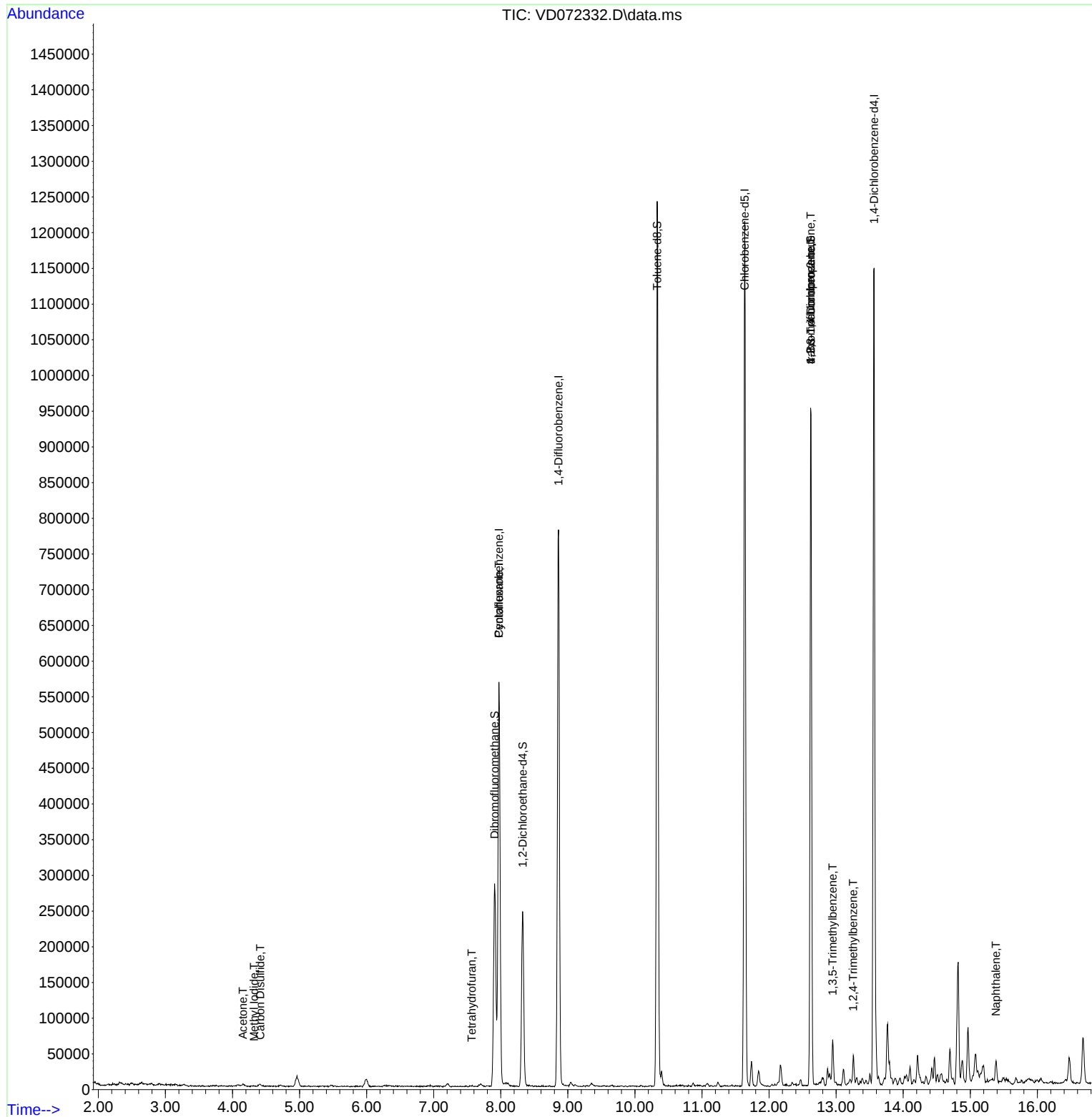
Internal Standards						
1) Pentafluorobenzene	7.973	168	406481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	675840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	698498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	305870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	199613	44.065	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.120%
35) Dibromofluoromethane	7.908	113	210063	44.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.340%
50) Toluene-d8	10.332	98	820511	47.183	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.360%
62) 4-Bromofluorobenzene	12.620	95	325049	48.105	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.220%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.320	142	969	2.449	ug/l #	38
16) Acetone	4.156	43	5347	5.436	ug/l	100
17) Carbon Disulfide	4.414	76	5966	2.165	ug/l	99
20) Methylene Chloride	4.956	84	10633	Below Cal	#	86
29) Tetrahydrofuran	7.567	42	783	1.015	ug/l #	38
31) Cyclohexane	7.973	56	11124	1.572	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	168562	49.959	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.949	105	26703	1.282	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.620	75	168562	123.953	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	21674	1.056	ug/l	97
95) Naphthalene	15.384	128	26892	2.364	ug/l	97

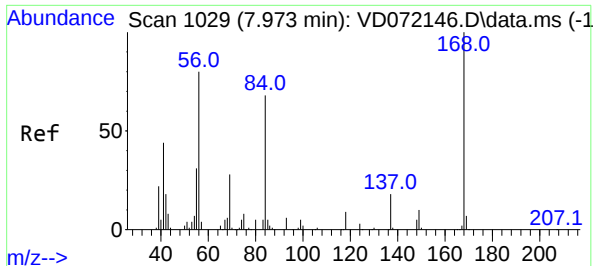
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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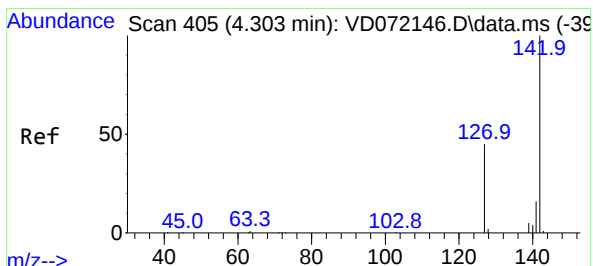
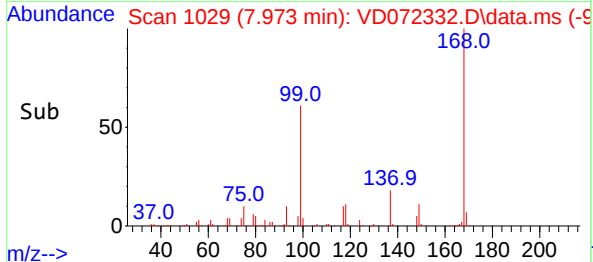
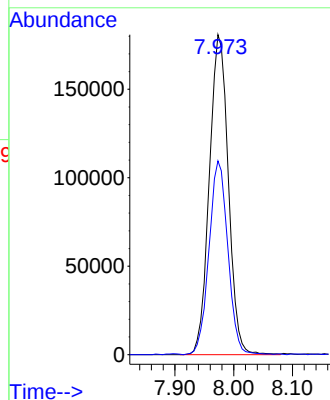
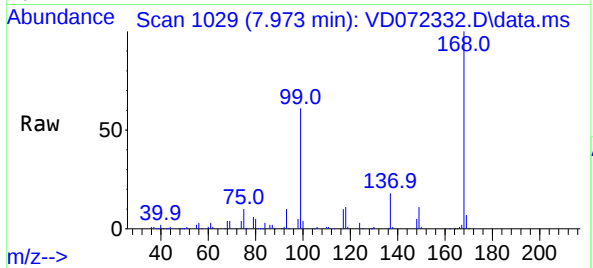




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

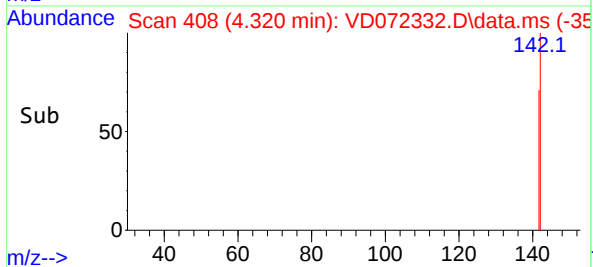
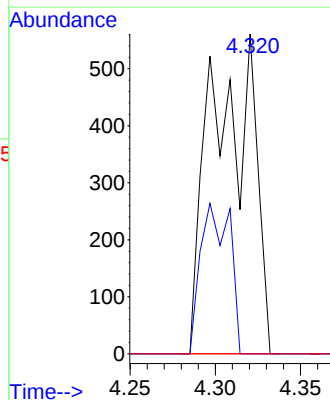
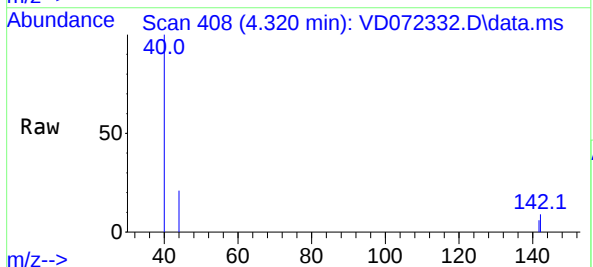
Instrument :
MSVOA_D
ClientSampleId :
OR-3-031622

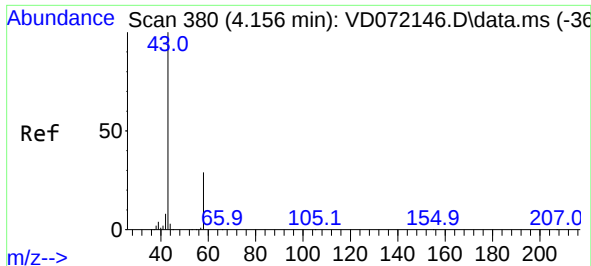
Tgt Ion:168 Resp: 406481
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#10
Methyl Iodide
Concen: 2.449 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

Tgt Ion:142 Resp: 969
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

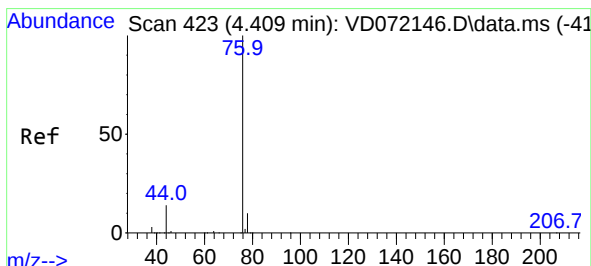
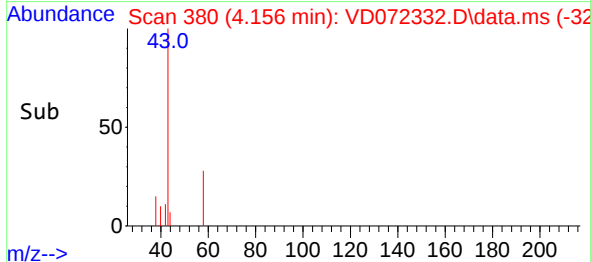
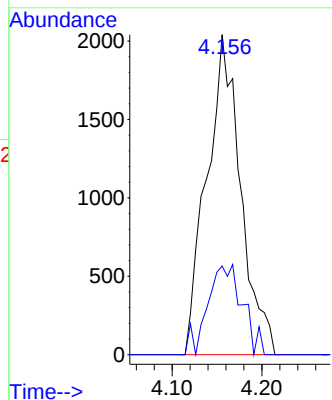
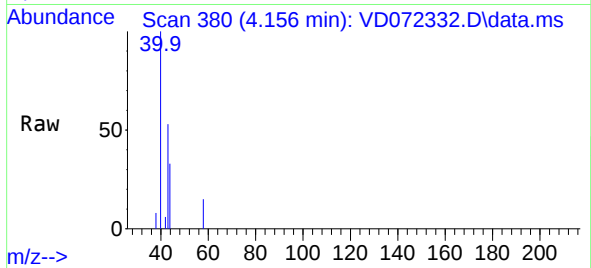




#16
Acetone
Concen: 5.436 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

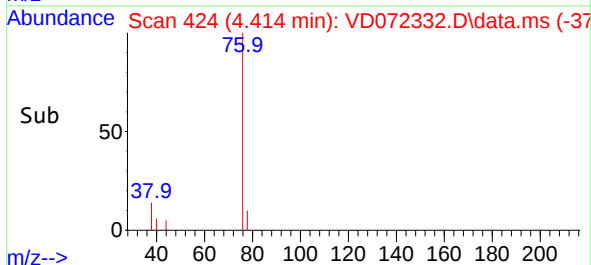
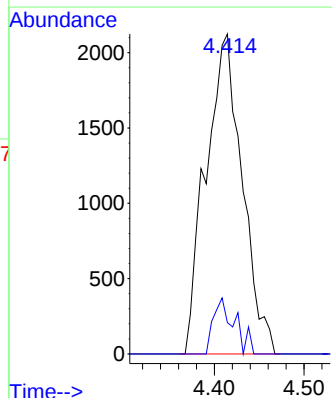
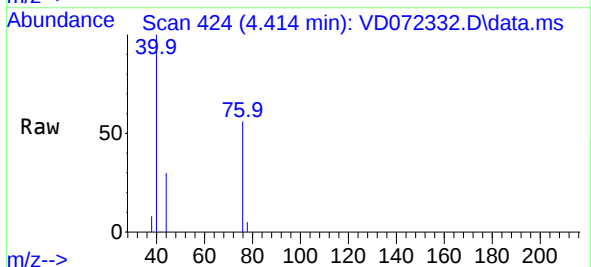
Instrument :
MSVOA_D
ClientSampleId :
OR-3-031622

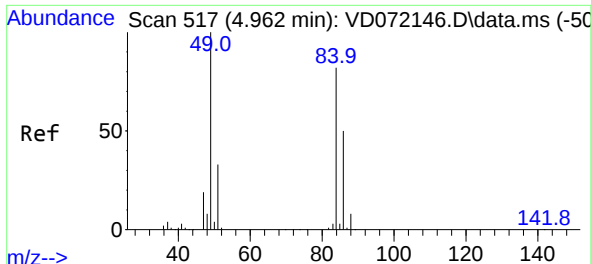
Tgt Ion: 43 Resp: 5347
Ion Ratio Lower Upper
43 100
58 27.7 22.1 33.1



#17
Carbon Disulfide
Concen: 2.165 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.005 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

Tgt Ion: 76 Resp: 5966
Ion Ratio Lower Upper
76 100
78 9.8 7.5 11.3



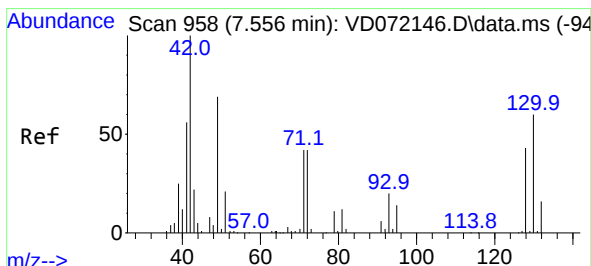
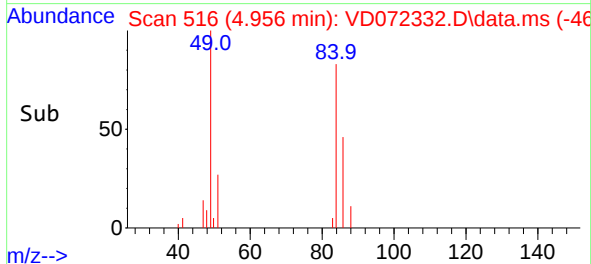
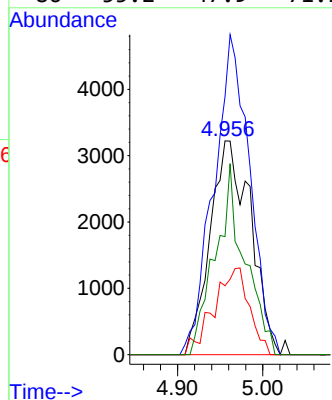
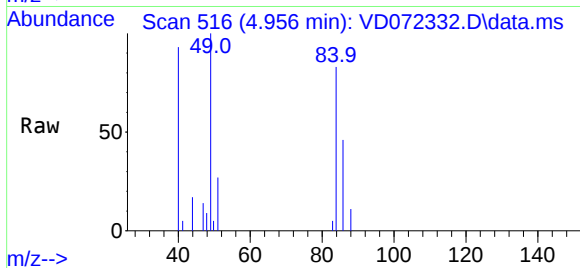


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

Instrument :
MSVOA_D
ClientSampleId :
OR-3-031622

Tgt Ion: 84 Resp: 10633

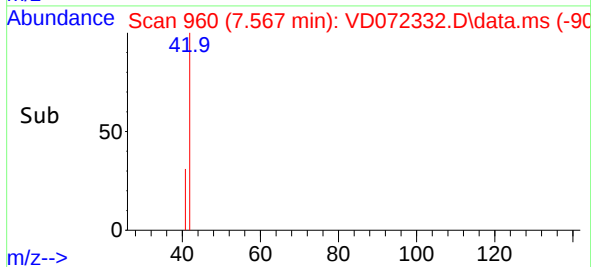
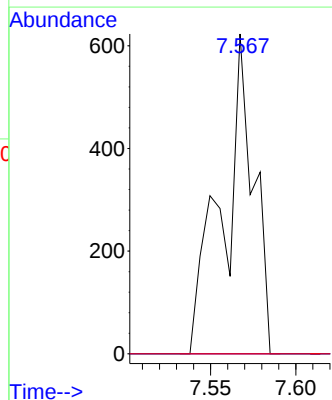
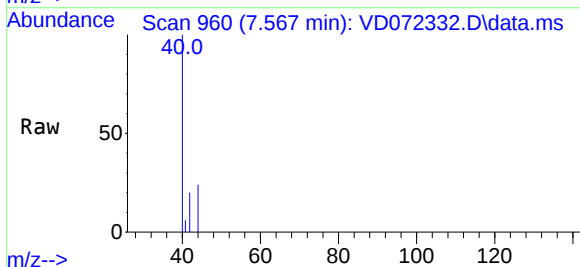
Ion	Ratio	Lower	Upper
84	100		
49	120.7	112.8	169.2
51	32.3	32.6	48.8#
86	55.2	47.9	71.9

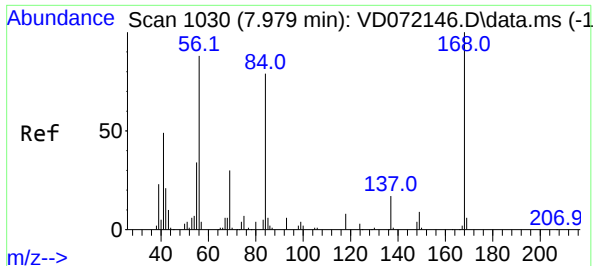


#29
Tetrahydrofuran
Concen: 1.015 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.012 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

Tgt Ion: 42 Resp: 783

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#





#31

Cyclohexane

Concen: 1.572 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072332.D

Acq: 21 Mar 2022 11:23

Instrument :

MSVOA_D

ClientSampleId :

OR-3-031622

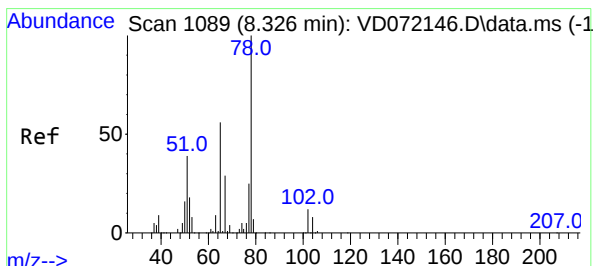
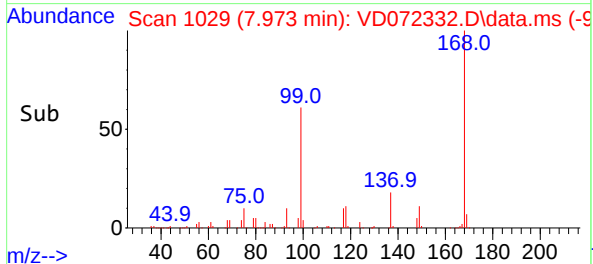
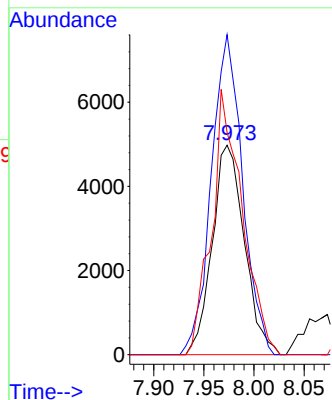
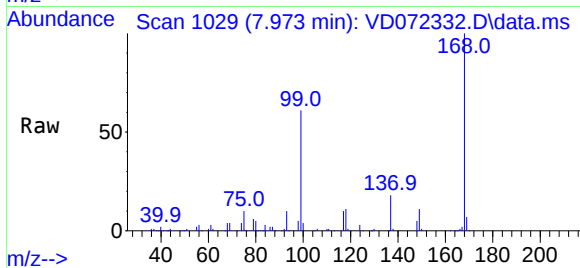
Tgt Ion: 56 Resp: 11124

Ion Ratio Lower Upper

56 100

69 152.8 25.4 38.2#

84 106.1 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 44.065 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072332.D

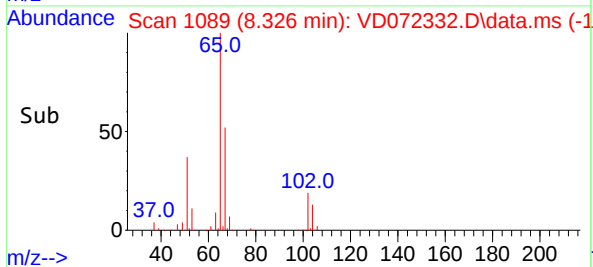
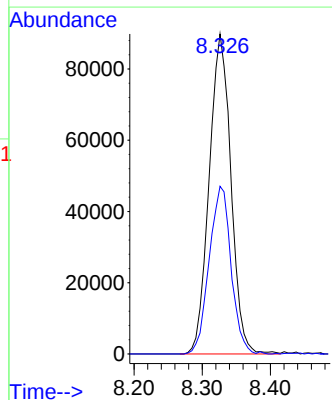
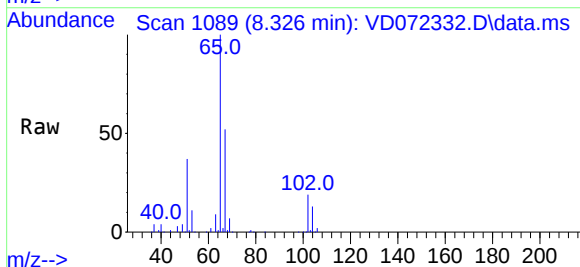
Acq: 21 Mar 2022 11:23

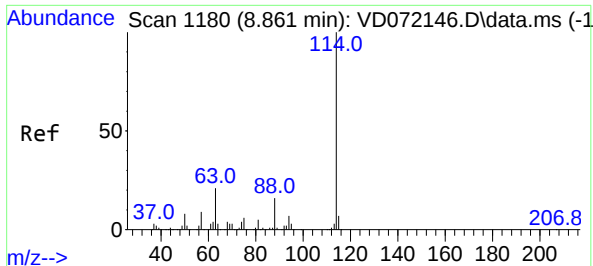
Tgt Ion: 65 Resp: 199613

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072332.D

Acq: 21 Mar 2022 11:23

Instrument :

MSVOA_D

ClientSampleId :

OR-3-031622

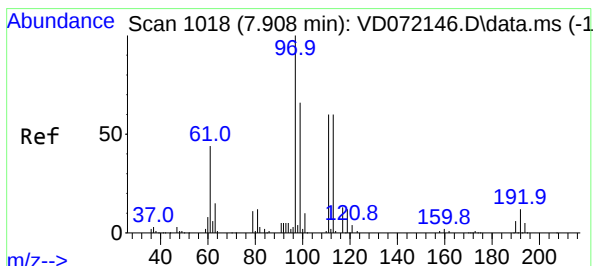
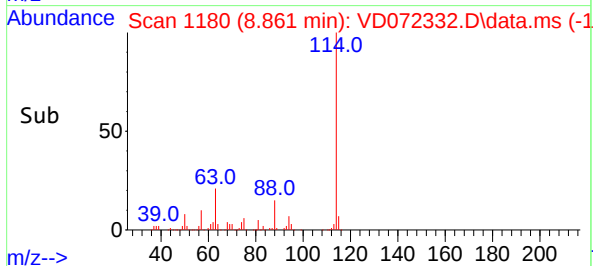
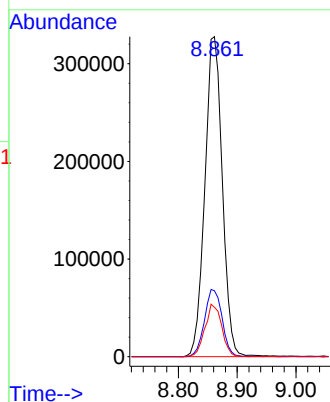
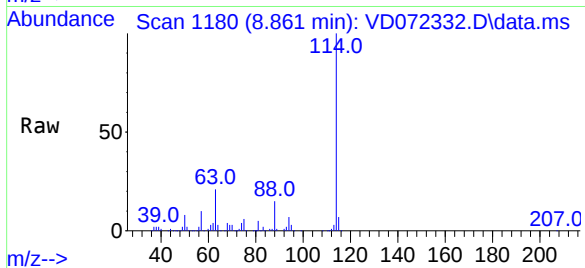
Tgt Ion:114 Resp: 675840

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.169 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072332.D

Acq: 21 Mar 2022 11:23

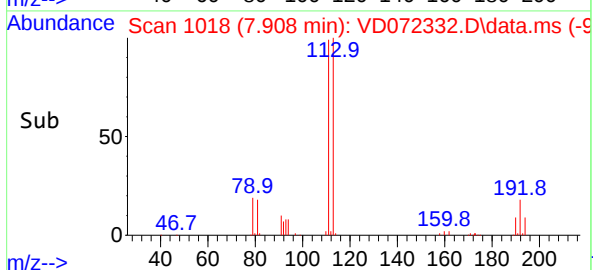
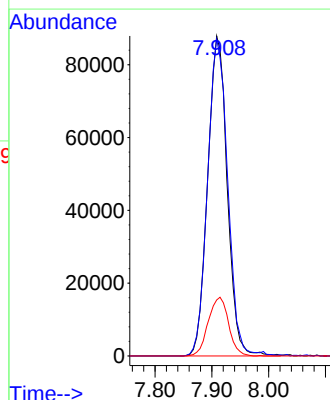
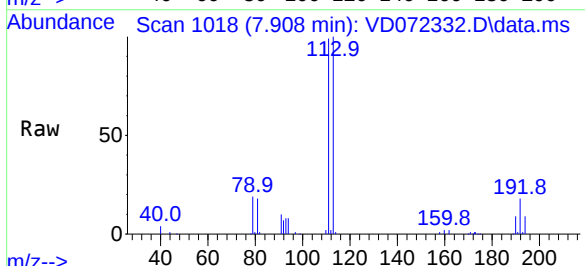
Tgt Ion:113 Resp: 210063

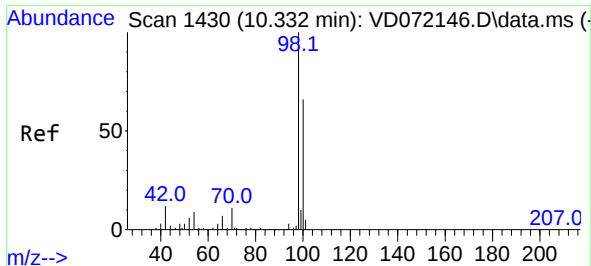
Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 19.0 14.6 21.8

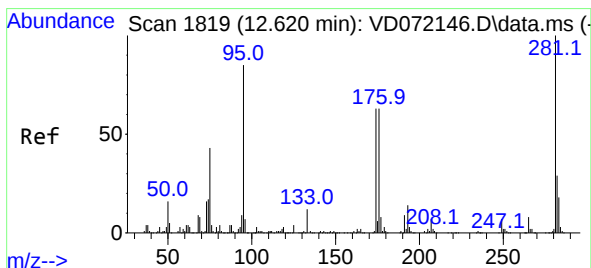
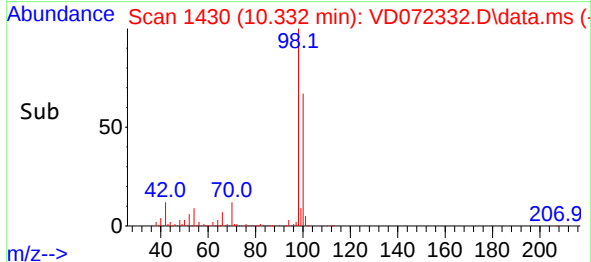
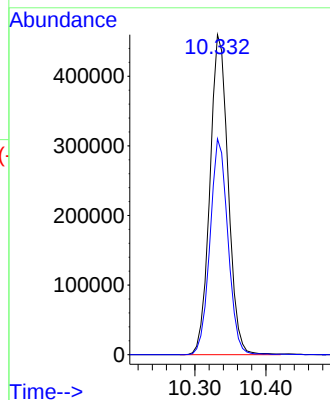
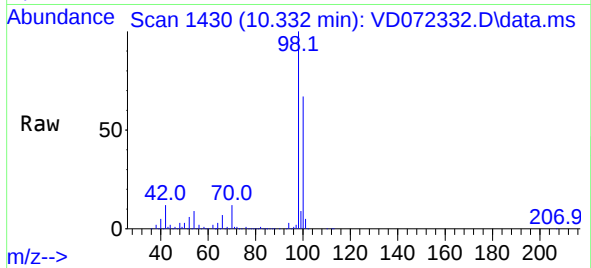




#50
Toluene-d8
Concen: 47.183 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

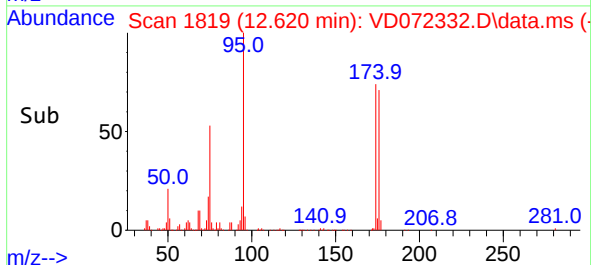
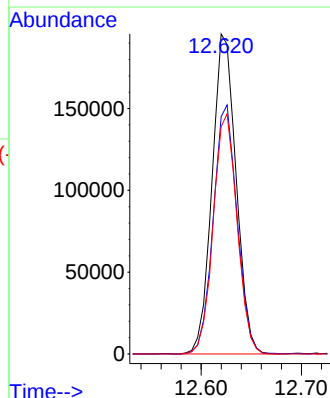
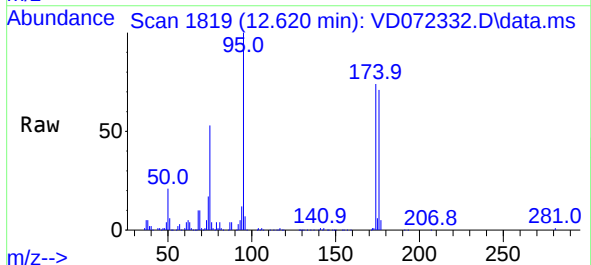
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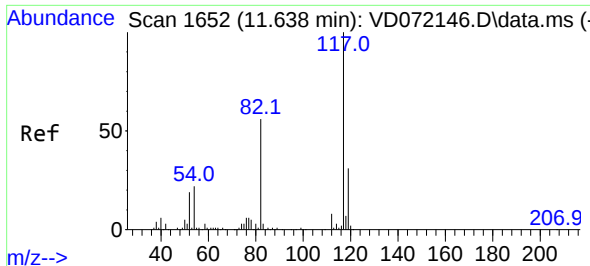
Tgt Ion: 98 Resp: 820511
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.105 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

Tgt Ion: 95 Resp: 325049
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.8
176 74.2 0.0 145.4

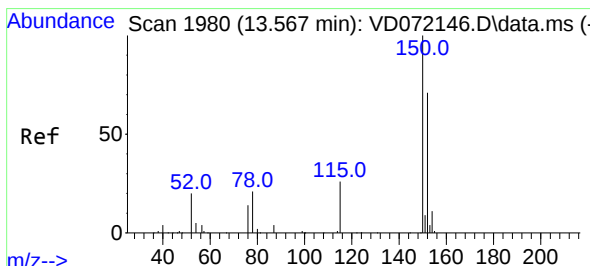
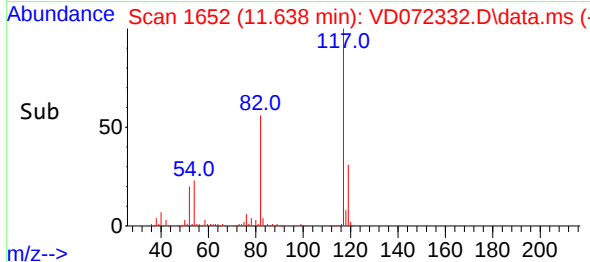
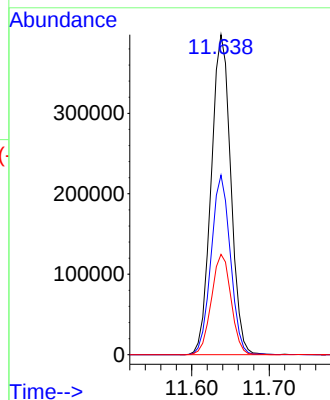
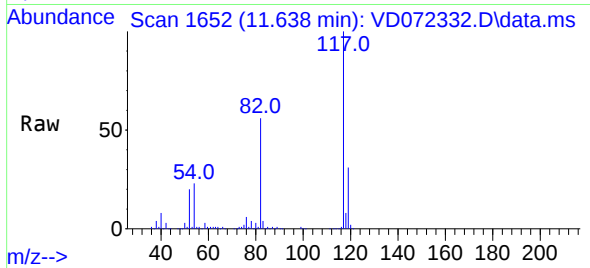




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

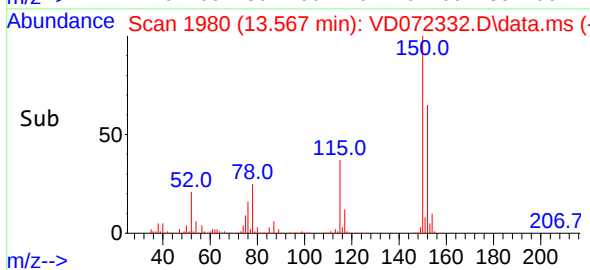
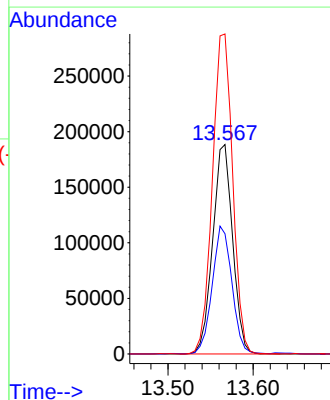
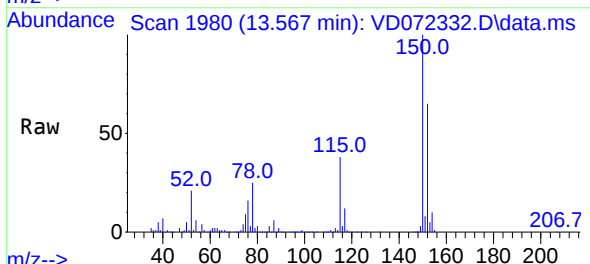
Instrument :
MSVOA_D
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OR-3-031622

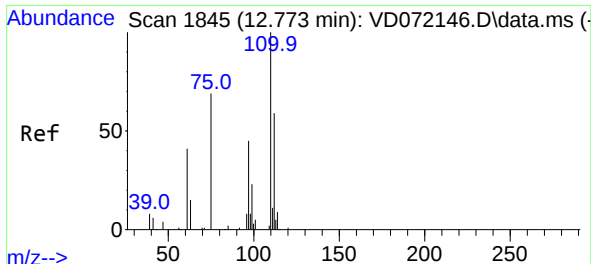
Tgt Ion:117 Resp: 698498
Ion Ratio Lower Upper
117 100
82 56.1 45.3 67.9
119 31.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

Tgt Ion:152 Resp: 305870
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 155.2 0.0 348.6

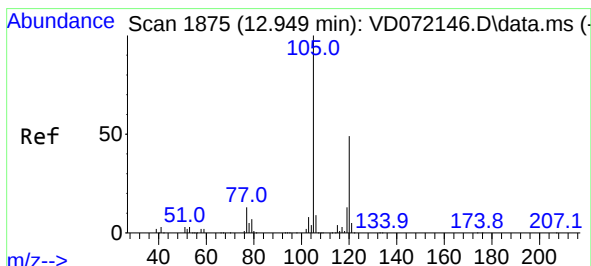
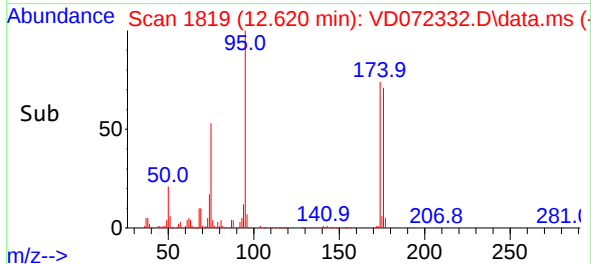
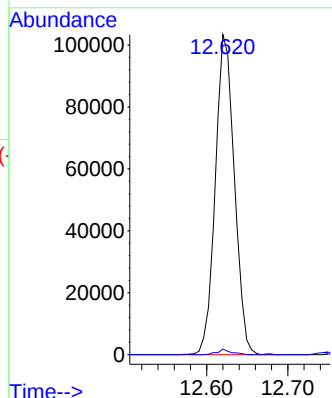
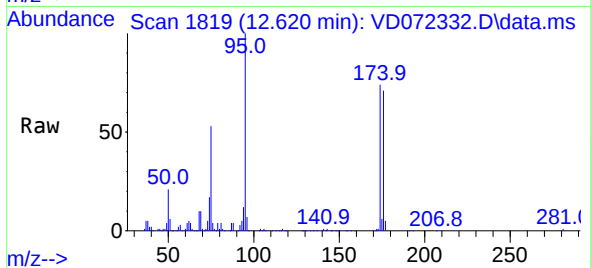




#76
1,2,3-Trichloropropane
Concen: 49.959 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

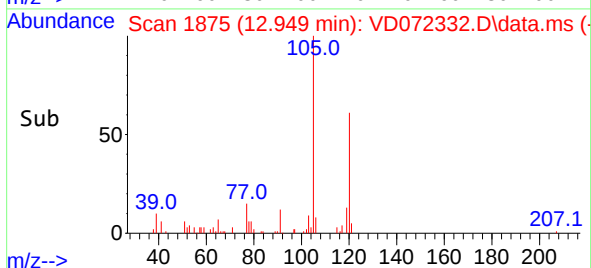
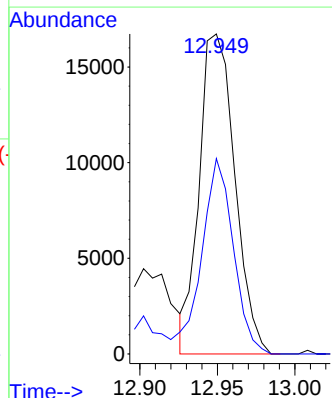
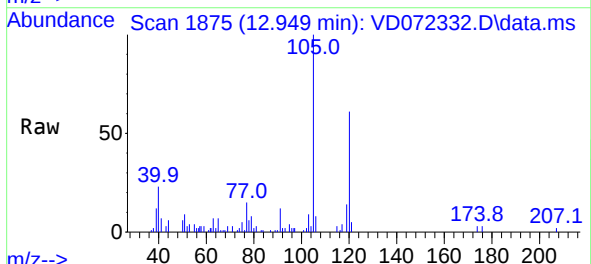
Instrument :
MSVOA_D
ClientSampleId :
OR-3-031622

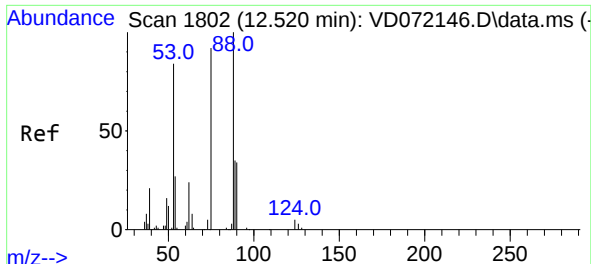
Tgt Ion: 75 Resp: 168562
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.282 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

Tgt Ion: 105 Resp: 26703
Ion Ratio Lower Upper
105 100
120 54.3 24.3 72.8

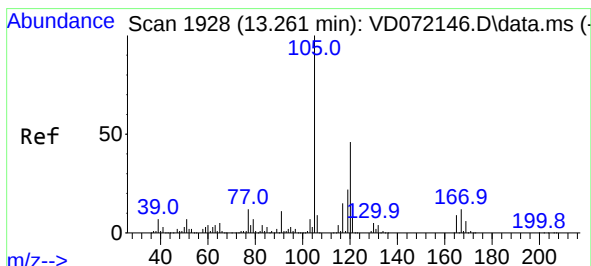
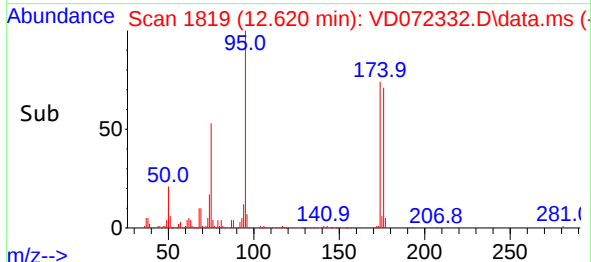
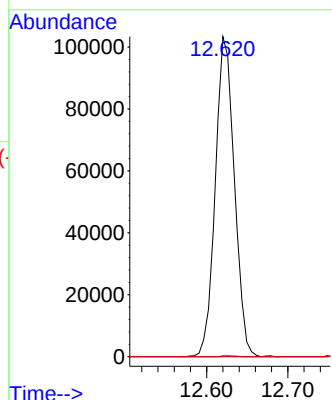
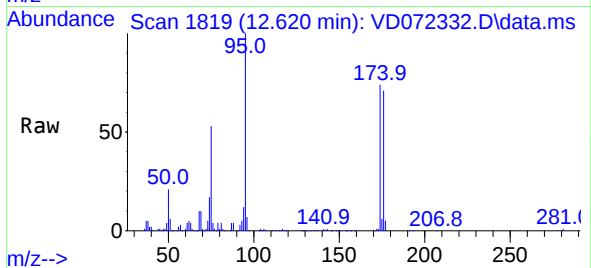




#81
trans-1,4-Dichloro-2-butene
Concen: 123.953 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

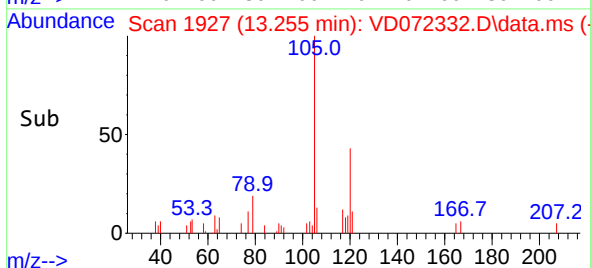
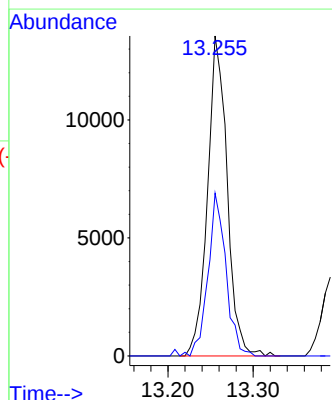
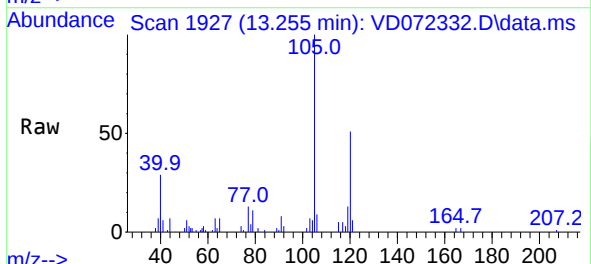
Instrument :
MSVOA_D
ClientSampleId :
OR-3-031622

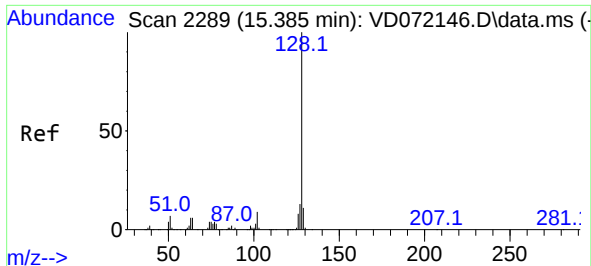
Tgt Ion: 75 Resp: 168562
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.056 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

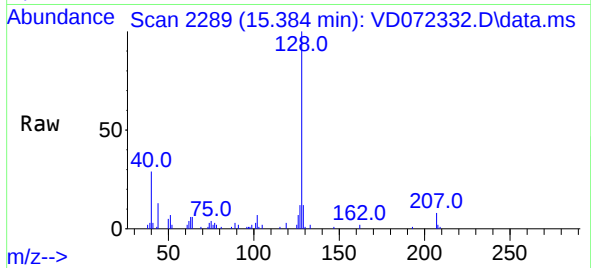
Tgt Ion:105 Resp: 21674
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.8





#95
Naphthalene
Concen: 2.364 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD072332.D
Acq: 21 Mar 2022 11:23

Instrument :
MSVOA_D
ClientSampleId :
OR-3-031622



Tgt Ion:	128	Resp:	26892
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	12.1	8.4	12.6

