

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031422\
 Data File : VD072164.D
 Acq On : 14 Mar 2022 13:12
 Operator : VA/SY
 Sample : N1874-01
 Misc : 5.03G/5.00ml/MSVOA_D/soil
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-030922

Quant Time: Mar 15 01:23:21 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)

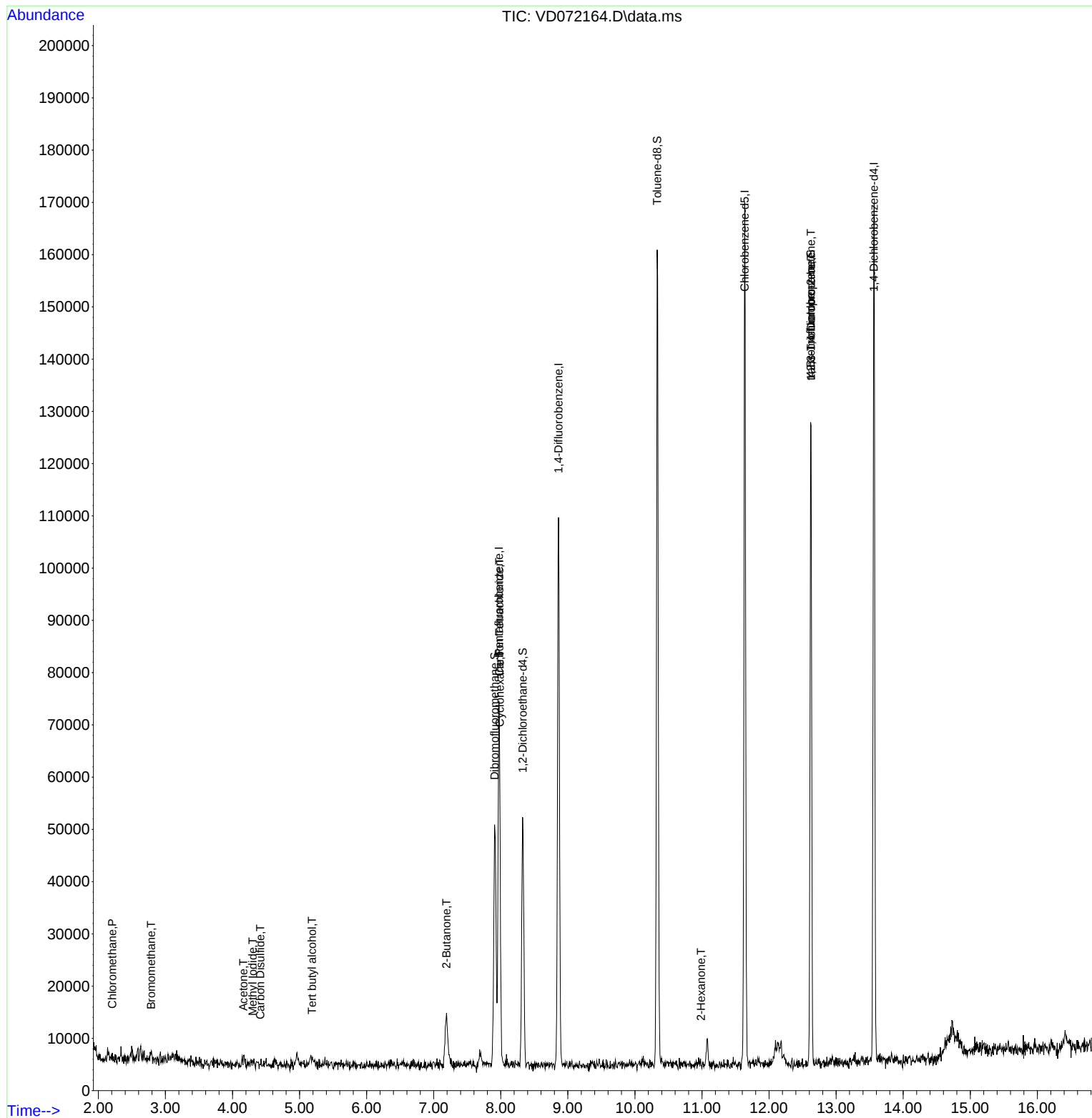
Internal Standards						
1) Pentafluorobenzene	7.973	168	51116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	89548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	91961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	42989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	36949	64.862	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.720%	
35) Dibromofluoromethane	7.908	113	32485	51.551	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.100%	
50) Toluene-d8	10.332	98	106153	46.070	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.140%	
62) 4-Bromofluorobenzene	12.620	95	42746	47.745	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.500%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	792	1.885	ug/l	96
5) Bromomethane	2.785	94	902	3.416	ug/l #	67
10) Methyl Iodide	4.303	142	736	3.571	ug/l #	69
11) Tert butyl alcohol	5.185	59	1455	44.052	ug/l #	74
16) Acetone	4.162	43	2304	18.628	ug/l #	61
17) Carbon Disulfide	4.414	76	264	1.734	ug/l #	74
20) Methylene Chloride	4.967	84	1449	Below Cal	#	46
25) 2-Butanone	7.191	43	1383	8.386	ug/l #	52
31) Cyclohexane	7.985	56	1054	1.184	ug/l #	4
38) Carbon Tetrachloride	7.979	117	5181	5.156	ug/l #	13
59) 2-Hexanone	10.985	43	349	1.280	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	21681	45.721	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	21681	113.437	ug/l #	7

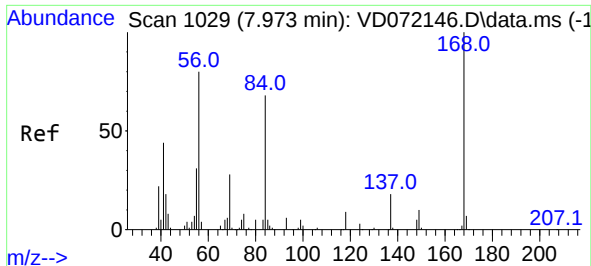
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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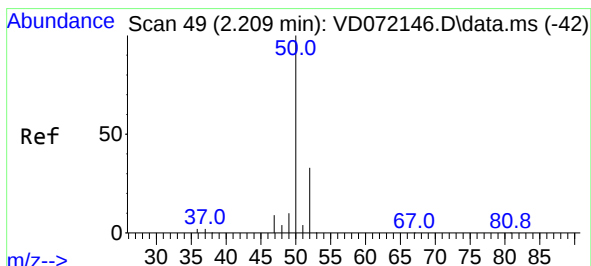
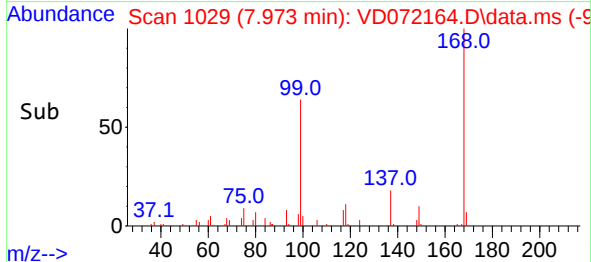
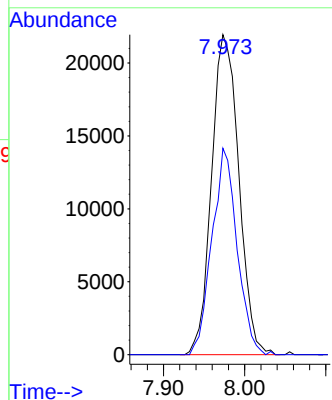
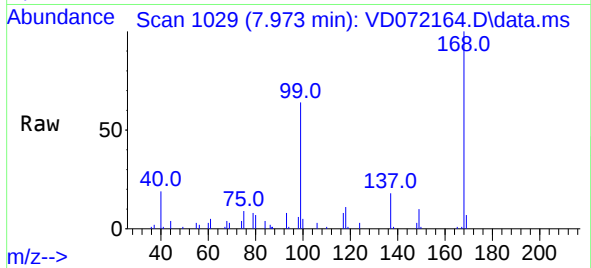




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

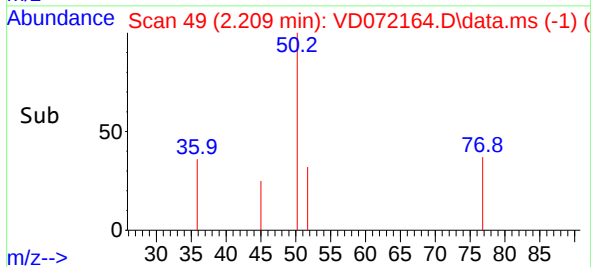
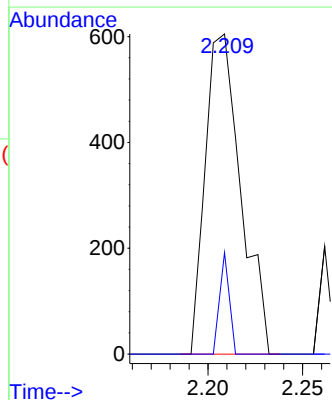
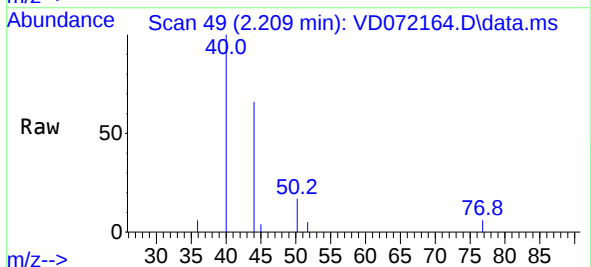
Instrument :
MSVOA_D
ClientSampleId :
EO-03-030922

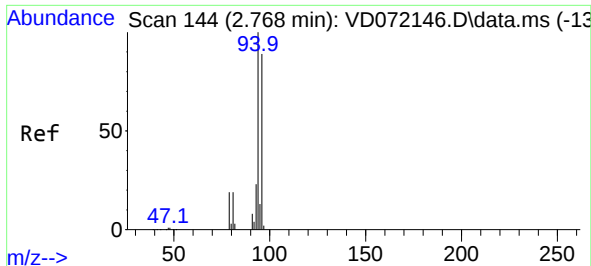
Tgt Ion:168 Resp: 51116
Ion Ratio Lower Upper
168 100
99 64.5 49.8 74.6



#3
Chloromethane
Concen: 1.885 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

Tgt Ion: 50 Resp: 792
Ion Ratio Lower Upper
50 100
52 31.7 27.4 41.0

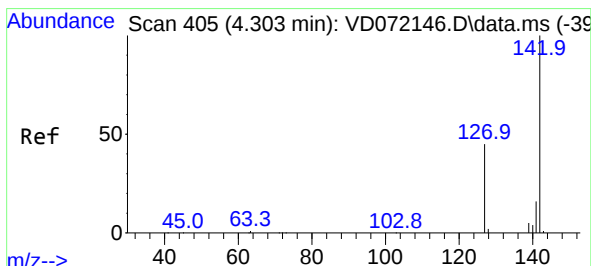
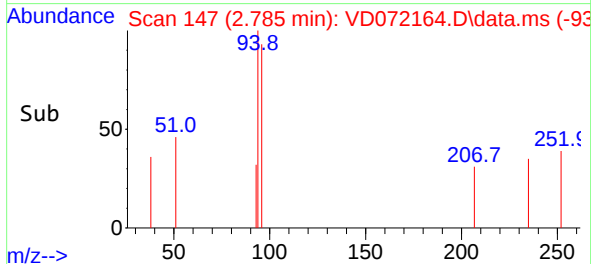
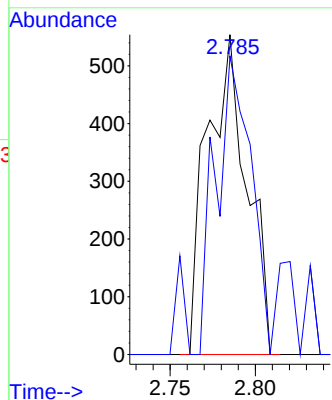
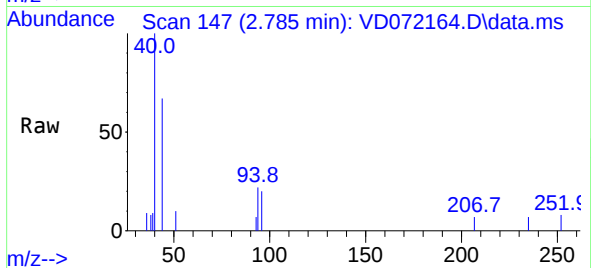




#5
Bromomethane
Concen: 3.416 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

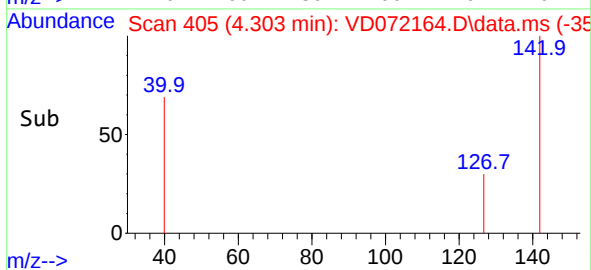
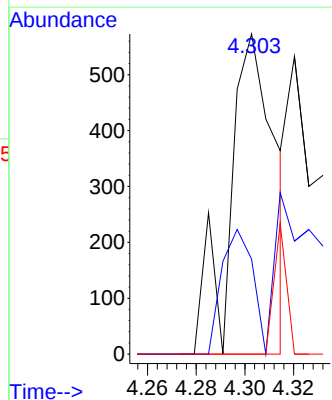
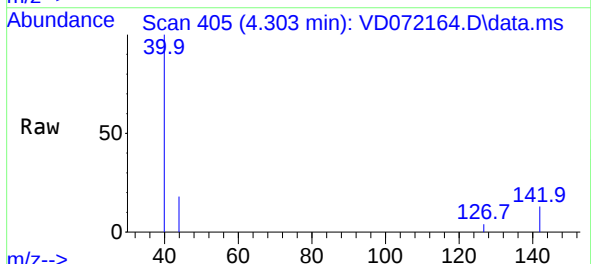
Instrument :
MSVOA_D
ClientSampleId :
EO-03-030922

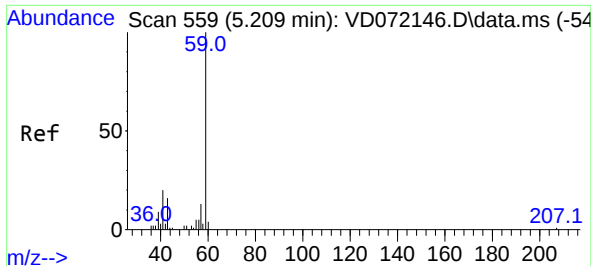
Tgt Ion: 94 Resp: 902
Ion Ratio Lower Upper
94 100
96 64.8 77.6 116.4#



#10
Methyl Iodide
Concen: 3.571 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

Tgt Ion: 142 Resp: 736
Ion Ratio Lower Upper
142 100
127 26.8 37.3 55.9#
141 0.0 11.7 17.5#

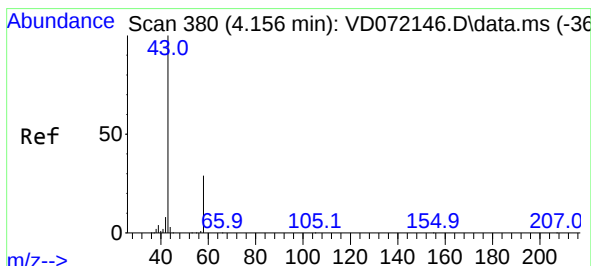
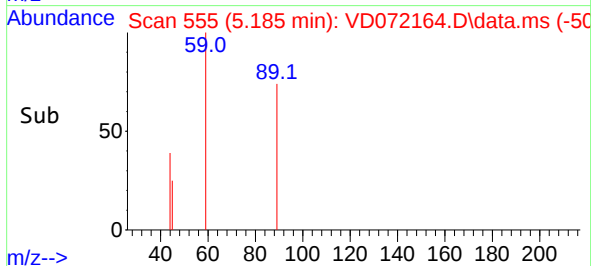
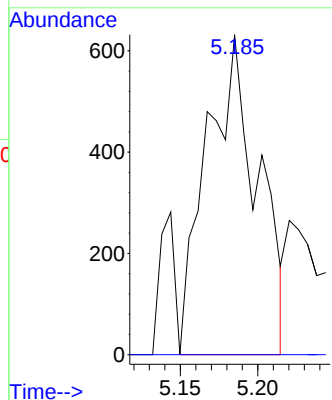
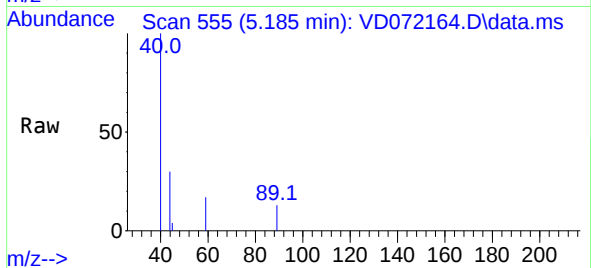




#11
Tert butyl alcohol
Concen: 44.052 ug/l
RT: 5.185 min Scan# 511
Delta R.T. -0.024 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

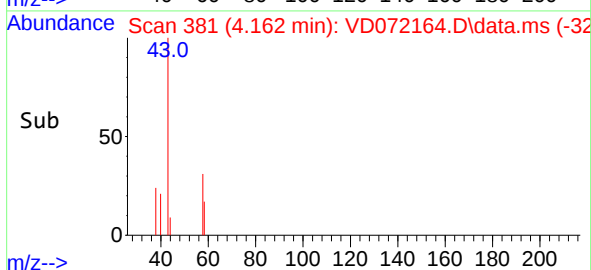
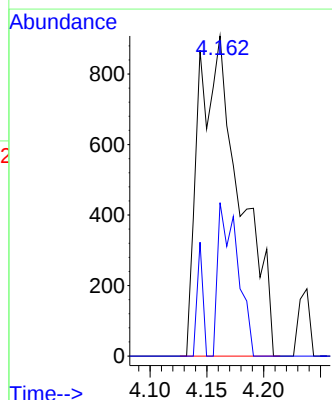
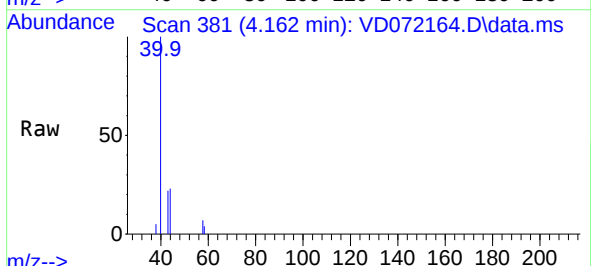
Instrument :
MSVOA_D
ClientSampleId :
EO-03-030922

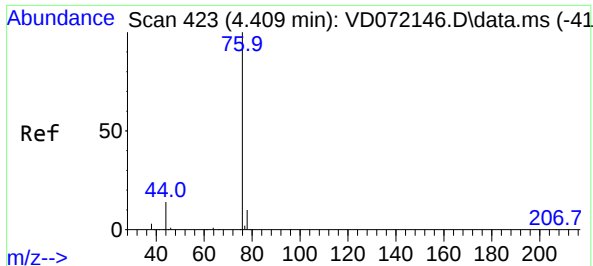
Tgt Ion: 59 Resp: 1455
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 18.628 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

Tgt Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
58 47.9 22.1 33.1#





#17

Carbon Disulfide

Concen: 1.734 ug/l

RT: 4.414 min Scan# 41

Delta R.T. 0.005 min

Lab File: VD072164.D

Acq: 14 Mar 2022 13:12

Instrument :

MSVOA_D

ClientSampleId :

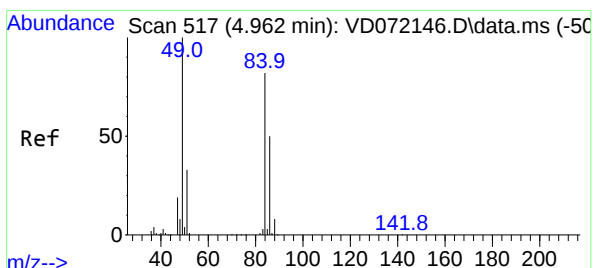
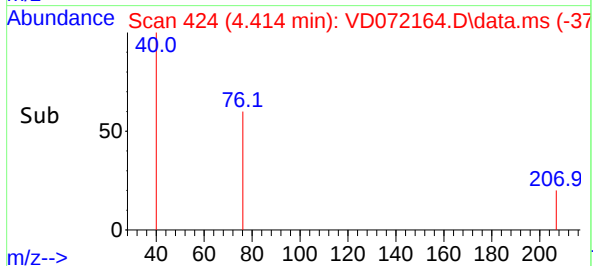
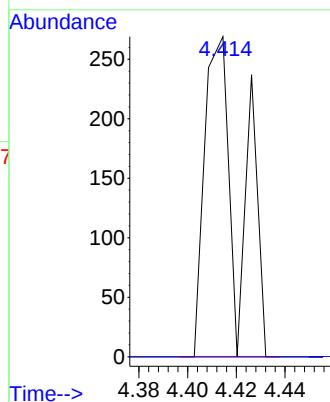
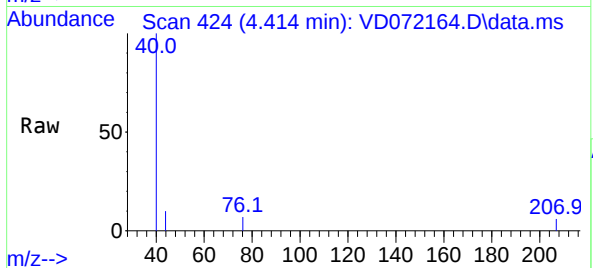
EO-03-030922

Tgt Ion: 76 Resp: 264

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD072164.D

Acq: 14 Mar 2022 13:12

Tgt Ion: 84 Resp: 1449

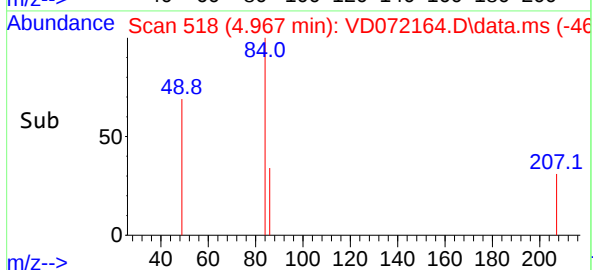
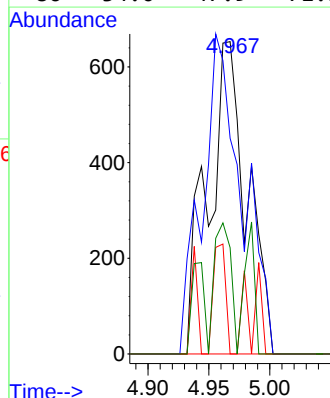
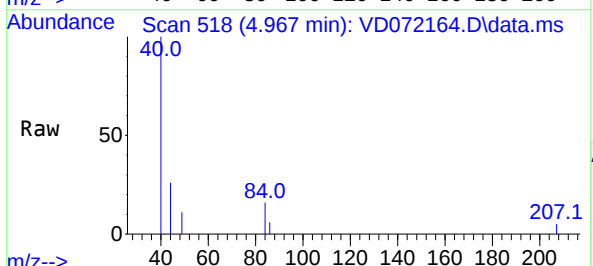
Ion Ratio Lower Upper

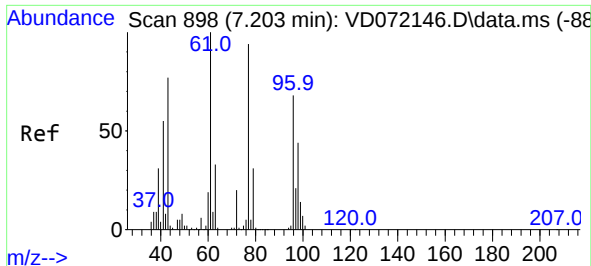
84 100

49 69.1 112.8 169.2#

51 0.0 32.6 48.8#

86 34.0 47.9 71.9#

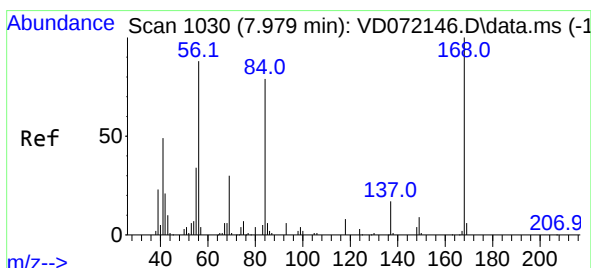
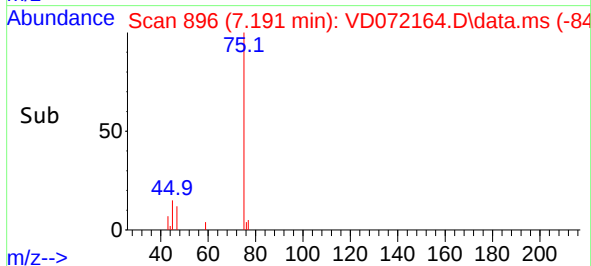
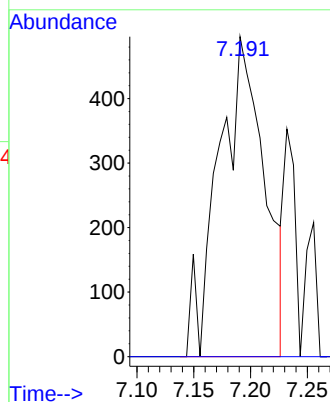
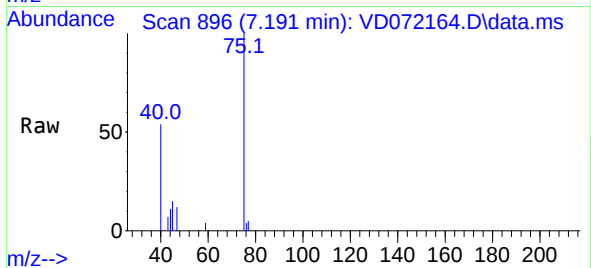




#25
2-Butanone
Concen: 8.386 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

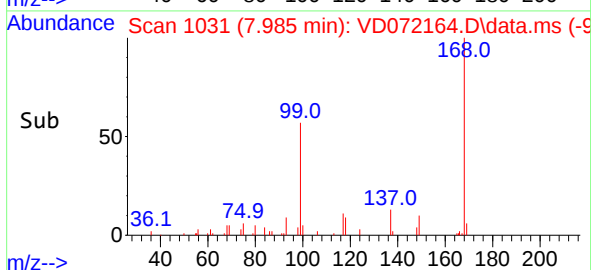
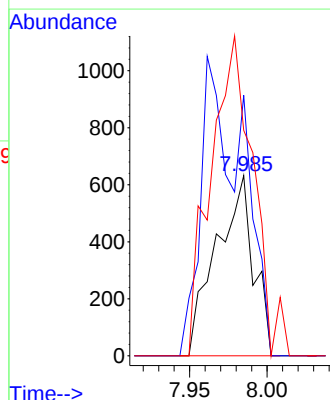
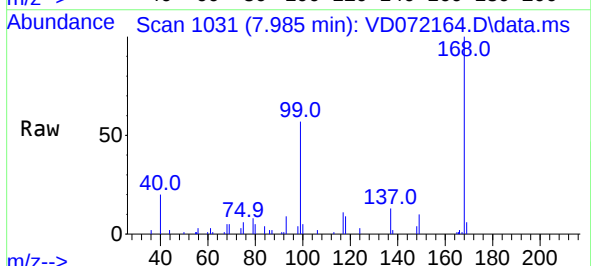
Instrument :
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EO-03-030922

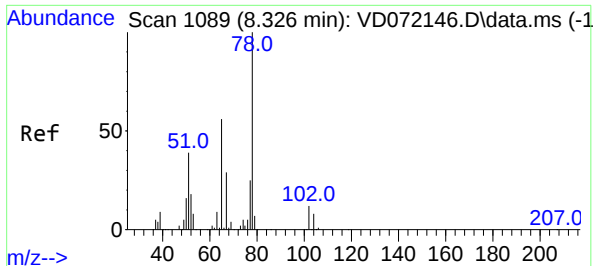
Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

Tgt Ion: 56 Resp: 1054
Ion Ratio Lower Upper
56 100
69 144.6 25.4 38.2#
84 125.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 64.862 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072164.D

Acq: 14 Mar 2022 13:12

Instrument :

MSVOA_D

ClientSampleId :

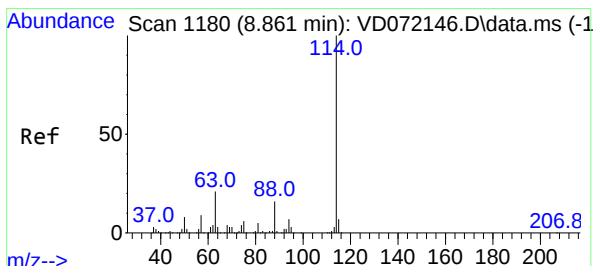
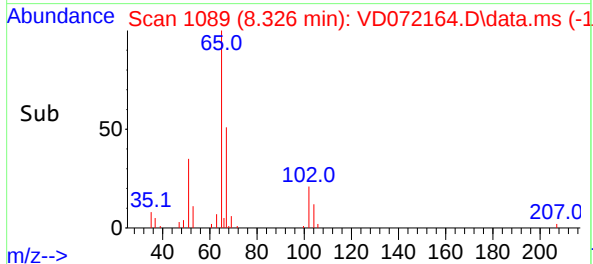
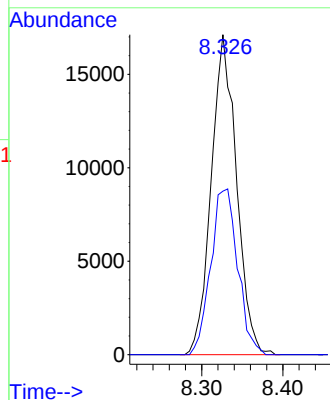
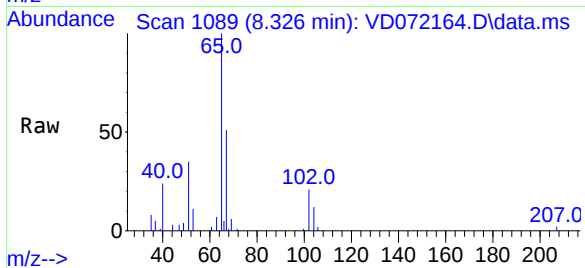
EO-03-030922

Tgt Ion: 65 Resp: 36949

Ion Ratio Lower Upper

65 100

67 55.3 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: VD072164.D

Acq: 14 Mar 2022 13:12

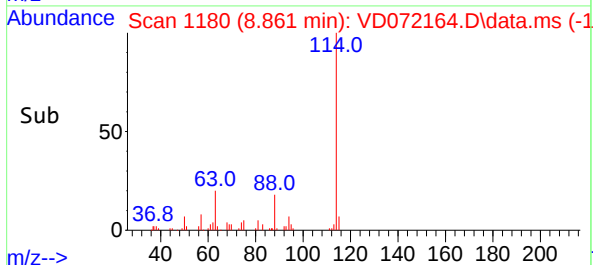
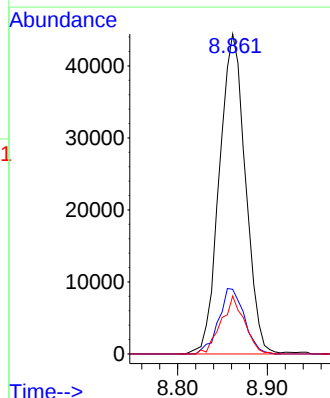
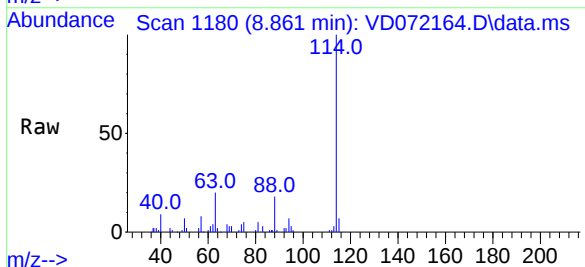
Tgt Ion: 114 Resp: 89548

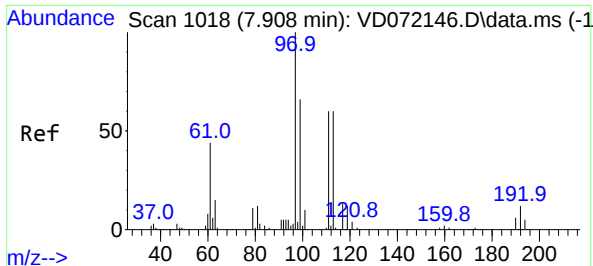
Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 18.1 0.0 33.2

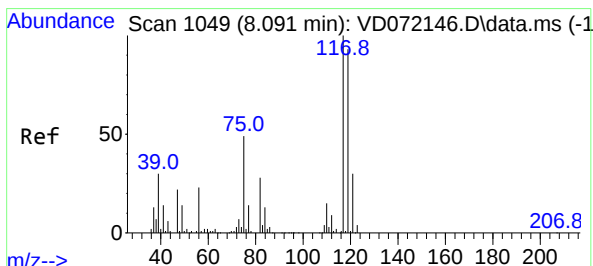
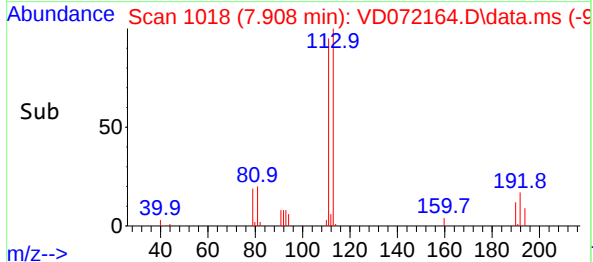
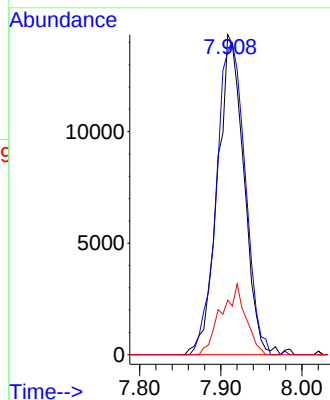
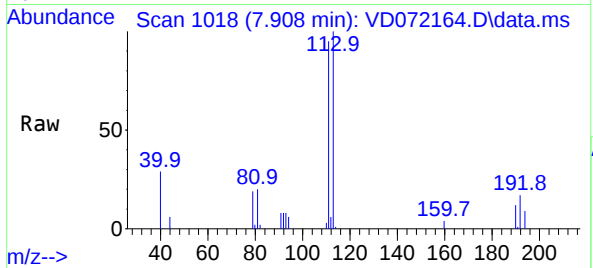




#35
Dibromofluoromethane
Concen: 51.551 ug/l
RT: 7.908 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

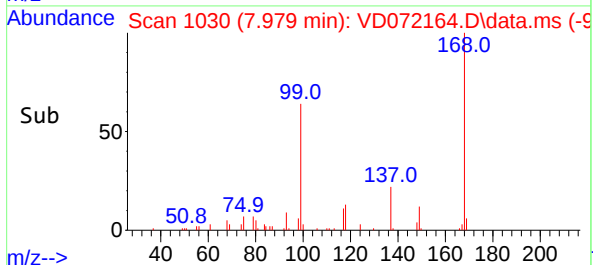
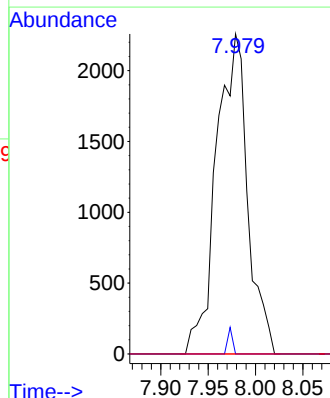
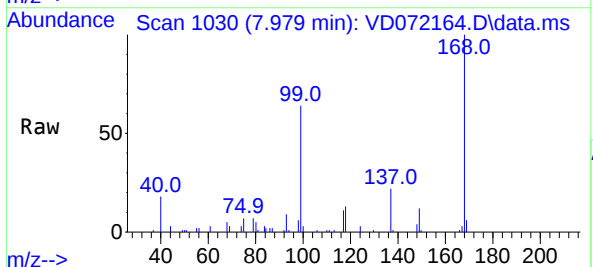
Instrument :
MSVOA_D
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EO-03-030922

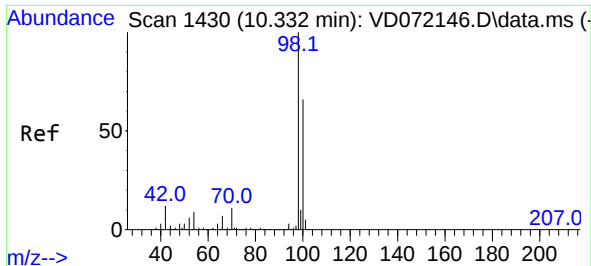
Tgt Ion:	113	Resp:	32485
Ion	Ratio	Lower	Upper
113	100		
111	105.8	83.8	125.6
192	20.5	14.6	21.8



#38
Carbon Tetrachloride
Concen: 5.156 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

Tgt Ion:	117	Resp:	5181
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	24.5	36.7#

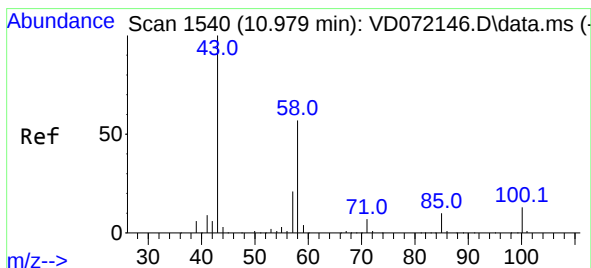
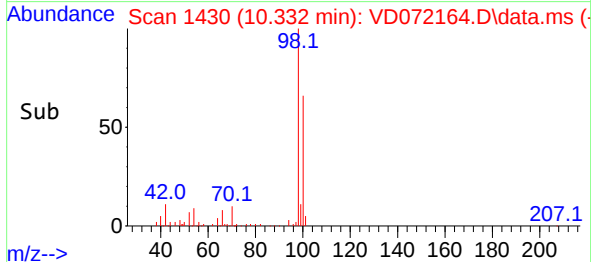
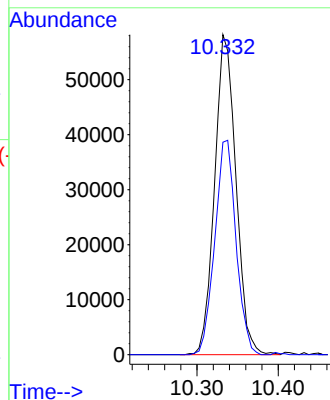
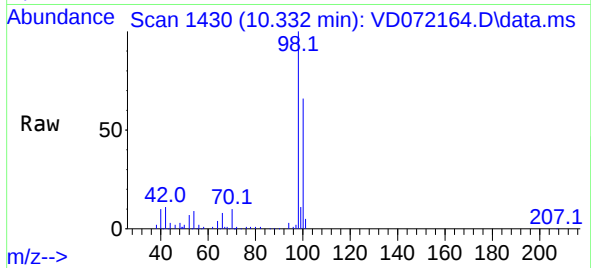




#50
Toluene-d8
Concen: 46.070 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

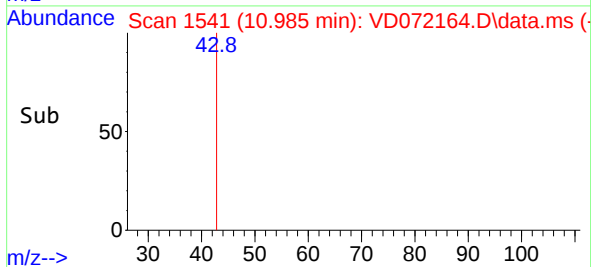
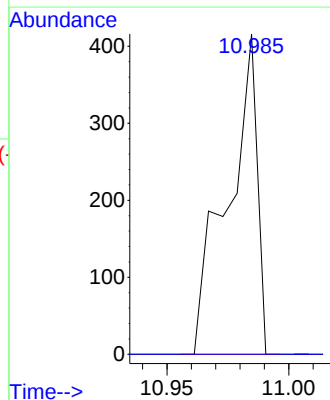
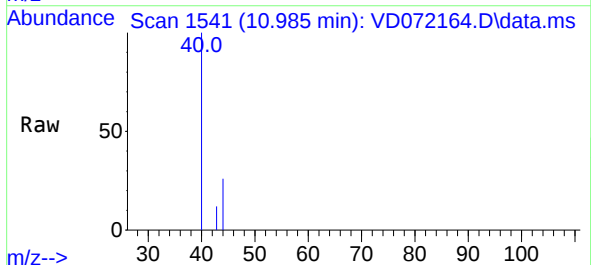
Instrument :
MSVOA_D
ClientSampleId :
EO-03-030922

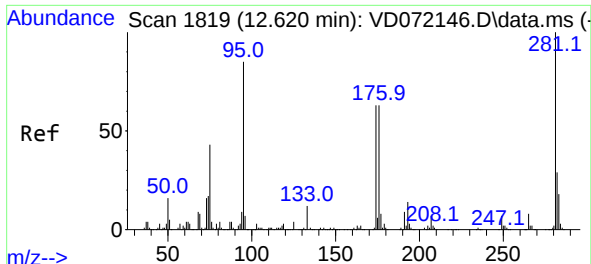
Tgt Ion: 98 Resp: 106153
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#59
2-Hexanone
Concen: 1.280 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

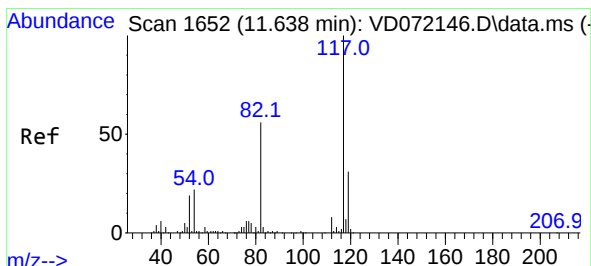
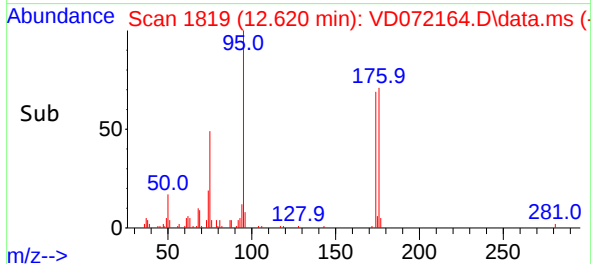
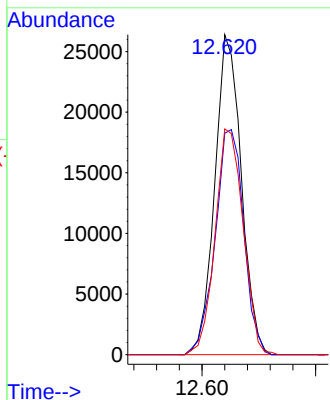
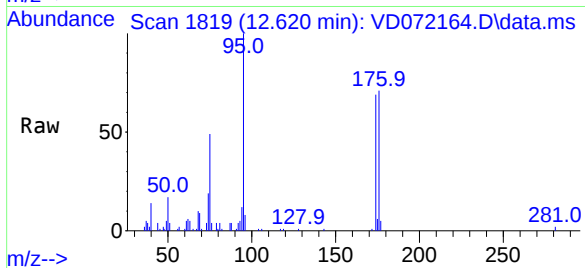




#62
4-Bromofluorobenzene
Concen: 47.745 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

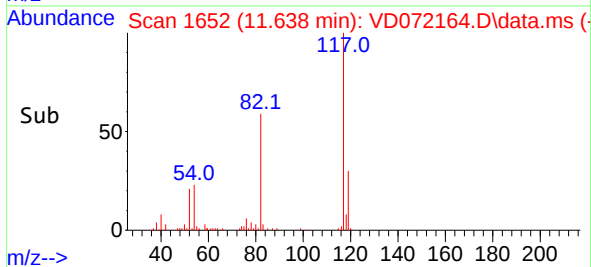
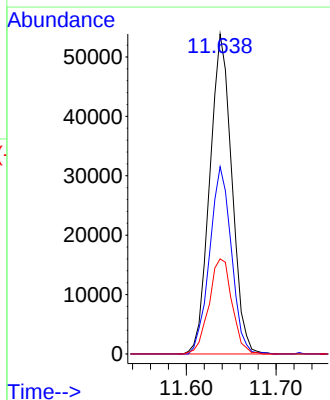
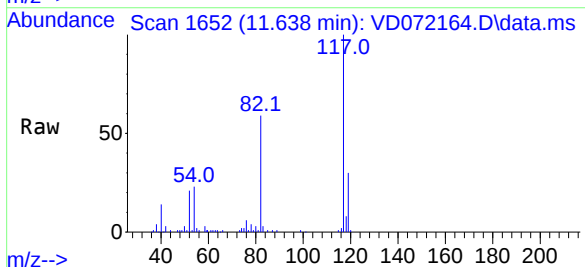
Instrument :
MSVOA_D
ClientSampleId :
EO-03-030922

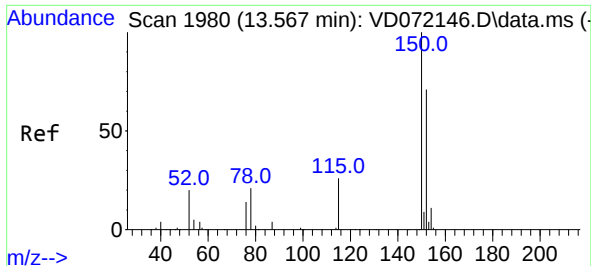
Tgt Ion:	95	Resp:	42746
Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	152.8
176	74.5	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

Tgt Ion:	117	Resp:	91961
Ion	Ratio	Lower	Upper
117	100		
82	58.5	45.3	67.9
119	29.7	26.6	40.0

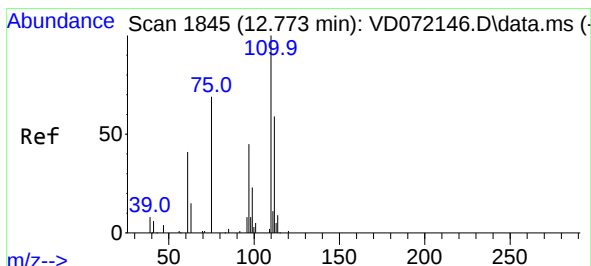
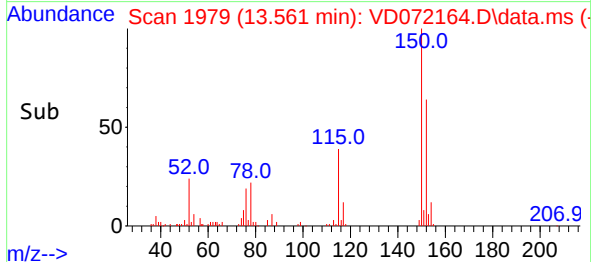
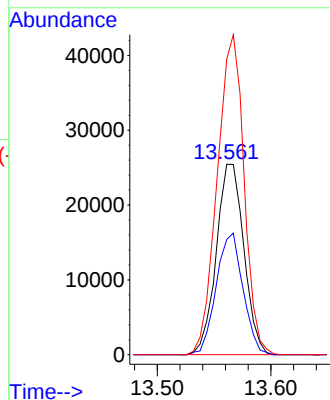
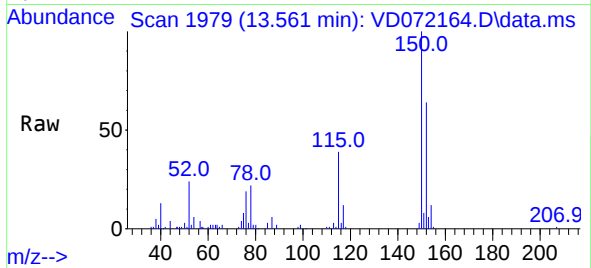




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

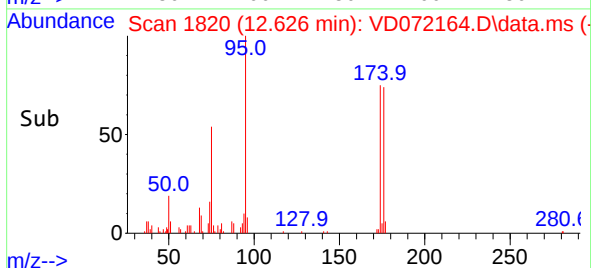
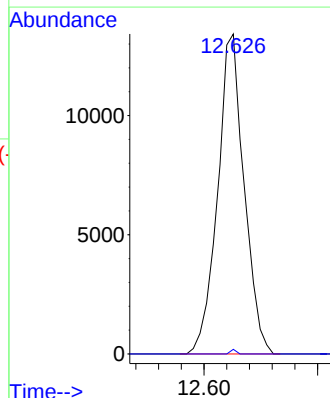
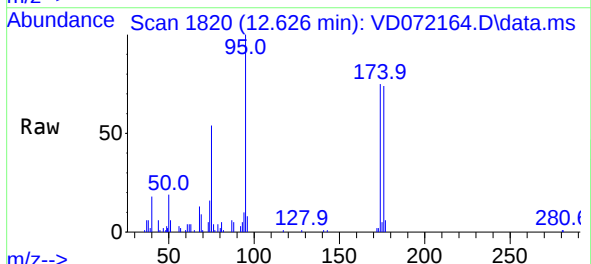
Instrument :
MSVOA_D
ClientSampleId :
EO-03-030922

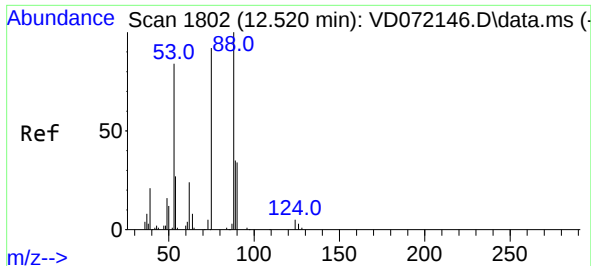
Tgt Ion:152 Resp: 42989
Ion Ratio Lower Upper
152 100
115 61.9 31.3 93.8
150 163.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.721 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072164.D
Acq: 14 Mar 2022 13:12

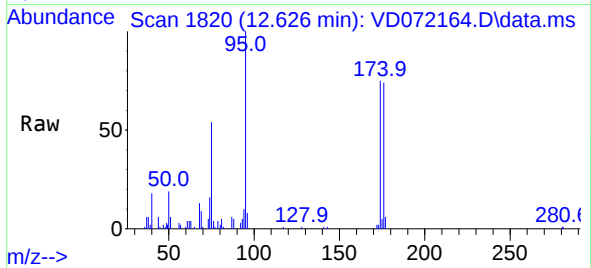
Tgt Ion: 75 Resp: 21681
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.437 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072164.D
 Acq: 14 Mar 2022 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-030922



Tgt Ion: 75 Resp: 21681
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

