

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074114.D
 Acq On : 16 Aug 2022 21:13
 Operator : VA/SY
 Sample : N4152-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-081022

Quant Time: Aug 16 22:52:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

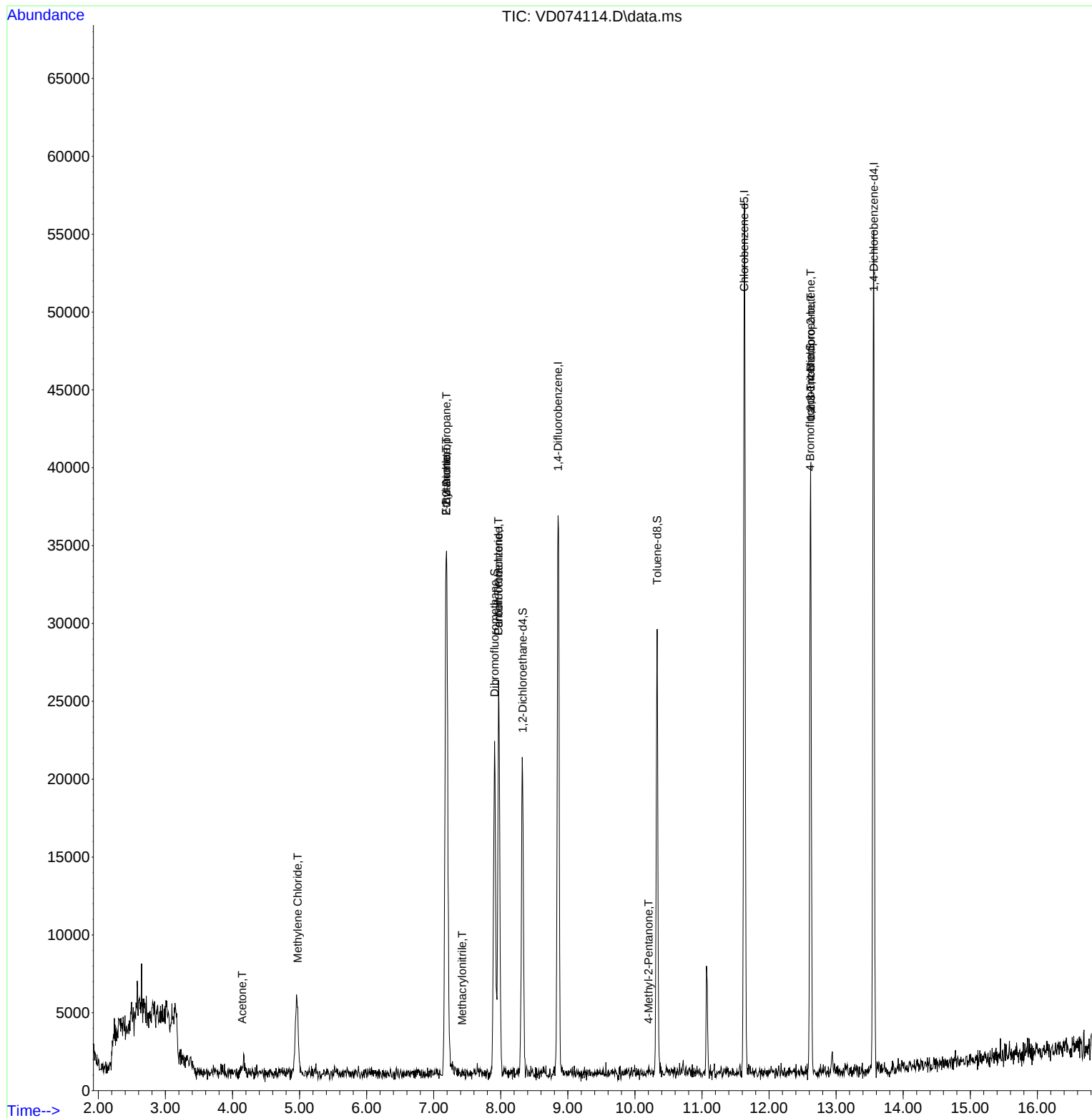
Internal Standards						
1) Pentafluorobenzene	7.967	168	17512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	31577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	32032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	15584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	14951	126.212	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 252.420%#			
35) Dibromofluoromethane	7.908	113	14549	72.102	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 144.200%			
50) Toluene-d8	10.332	98	19253	31.426	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 62.860%			
62) 4-Bromofluorobenzene	12.614	95	12215	48.282	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.560%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	123	Below Cal	#	1
6) Chloroethane	3.026	64	54	Below Cal	#	42
11) Tert butyl alcohol	5.208	59	78	Below Cal	#	74
16) Acetone	4.144	43	390	1.191	ug/l #	47
18) Methyl Acetate	4.473	43	63	Below Cal	#	55
20) Methylene Chloride	4.973	84	4006	13.730	ug/l #	65
25) 2-Butanone	7.185	43	1661	37.109	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	2640	8.360	ug/l #	54
31) Cyclohexane	7.973	56	562	Below Cal	#	51
37) Ethyl Acetate	7.185	43	1661	15.220	ug/l #	1
38) Carbon Tetrachloride	7.967	117	1967	6.194	ug/l #	13
41) Methacrylonitrile	7.426	41	57	1.034	ug/l #	27
51) 4-Methyl-2-Pentanone	10.202	43	261	2.545	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	6964	50.149	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	6964	139.860	ug/l #	7

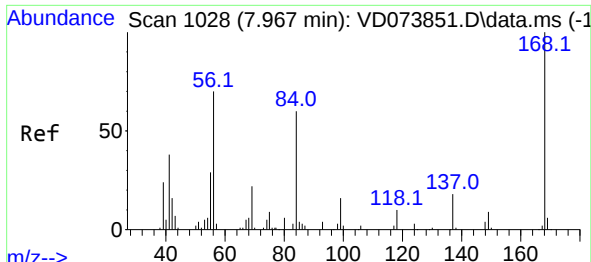
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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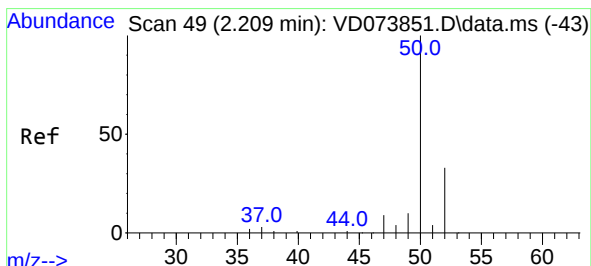
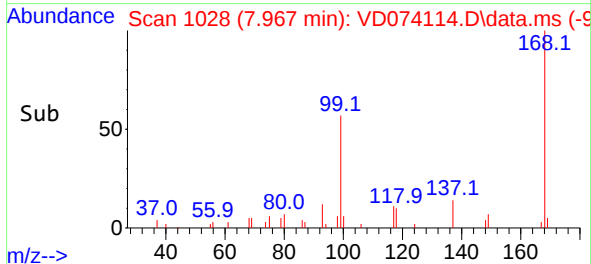
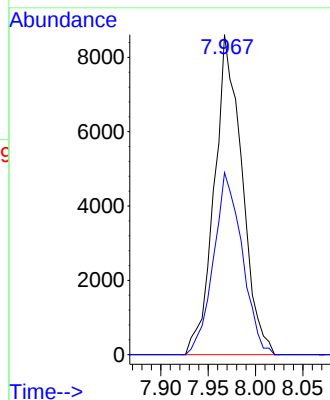
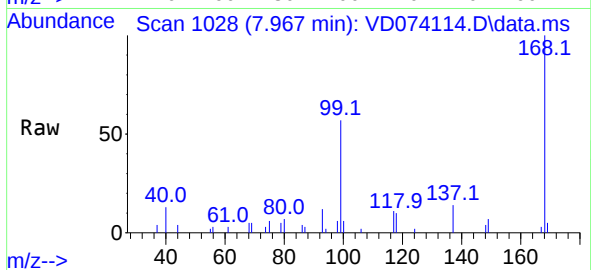




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

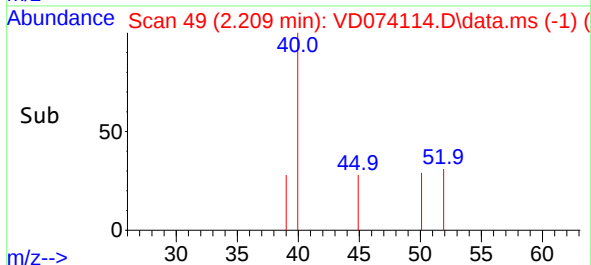
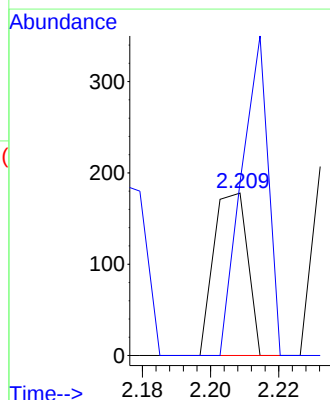
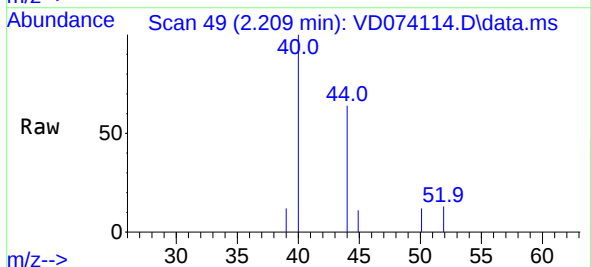
Instrument :
MSVOA_D
ClientSampleId :
EO-03-081022

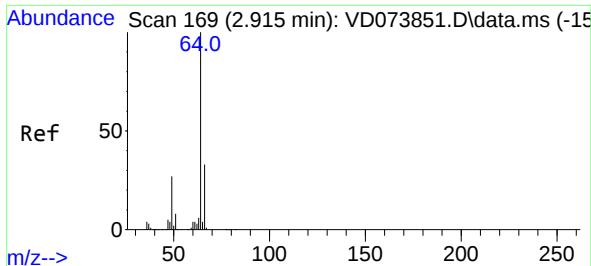
Tgt Ion:168 Resp: 17512
Ion Ratio Lower Upper
168 100
99 56.9 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

Tgt Ion: 50 Resp: 123
Ion Ratio Lower Upper
50 100
52 106.7 27.4 41.0#

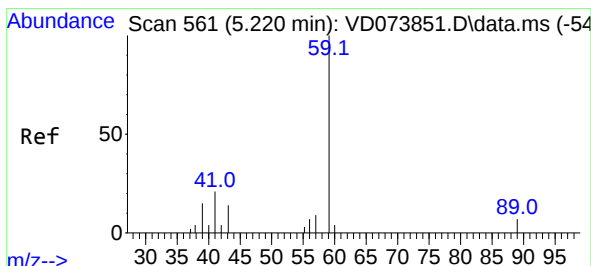
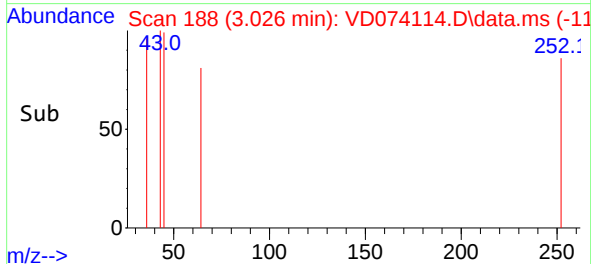
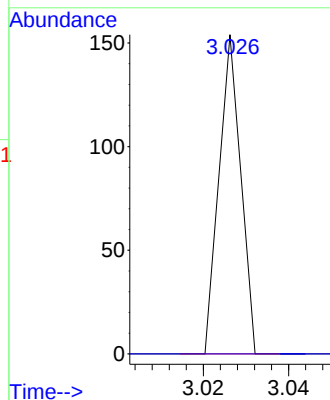
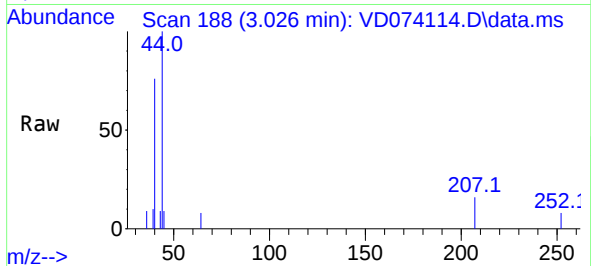




#6
Chloroethane
Concen: Below Cal
RT: 3.026 min Scan# 11
Delta R.T. 0.111 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

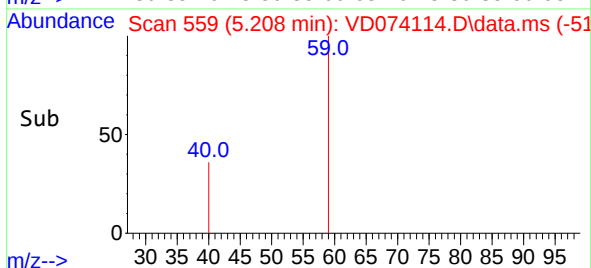
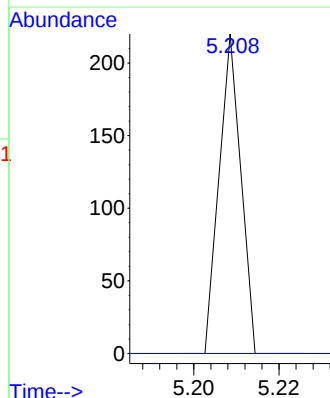
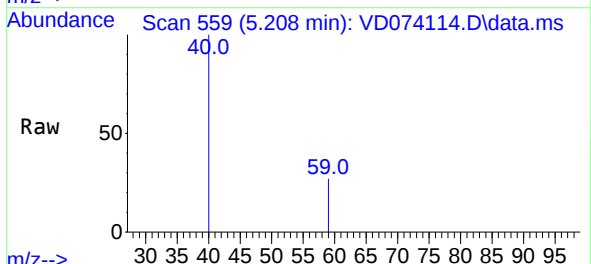
Instrument :
MSVOA_D
ClientSampleId :
EO-03-081022

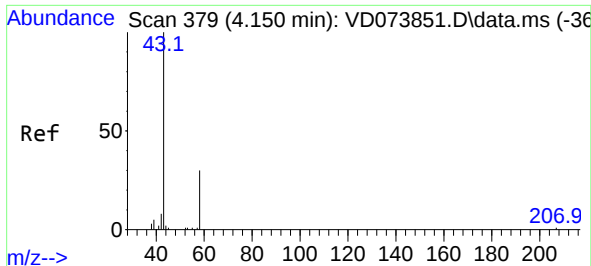
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

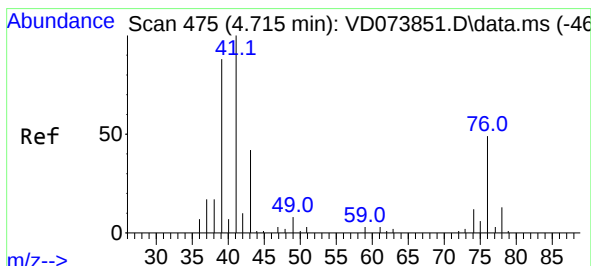
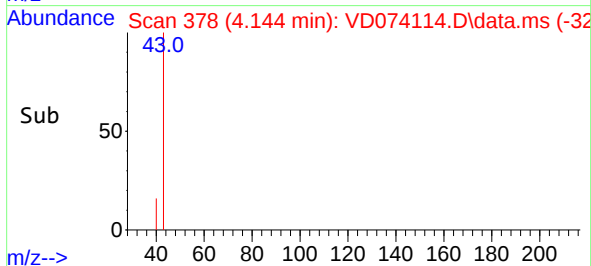
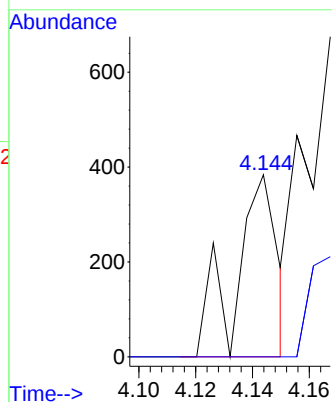
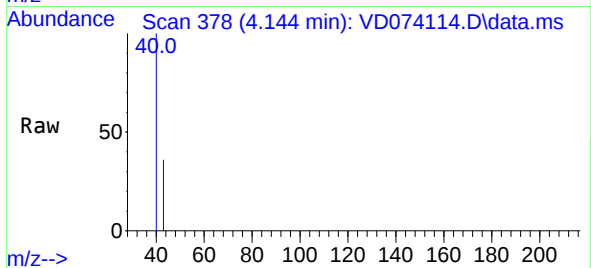




#16
Acetone
Concen: 1.191 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

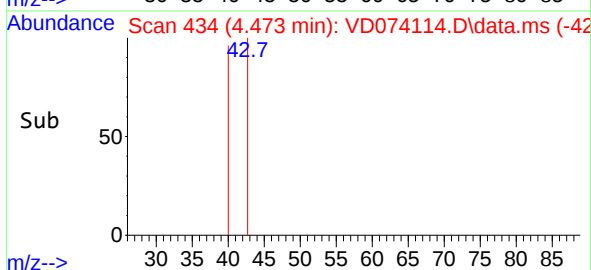
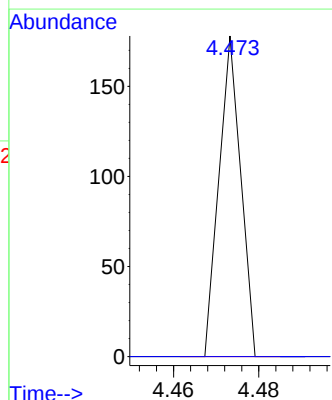
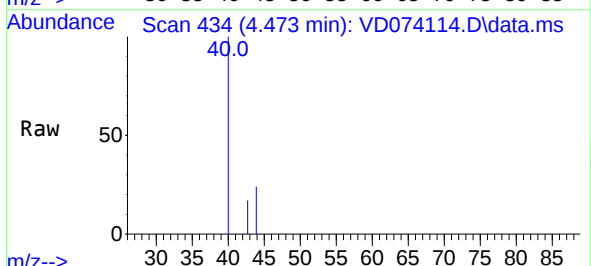
Instrument :
MSVOA_D
ClientSampleId :
EO-03-081022

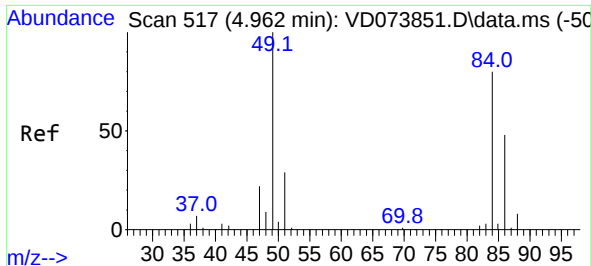
Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 434
Delta R.T. -0.242 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

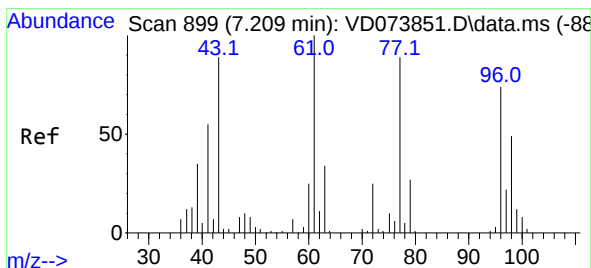
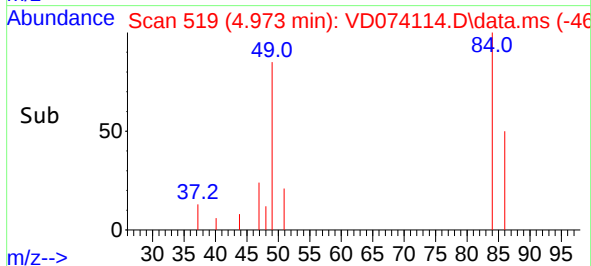
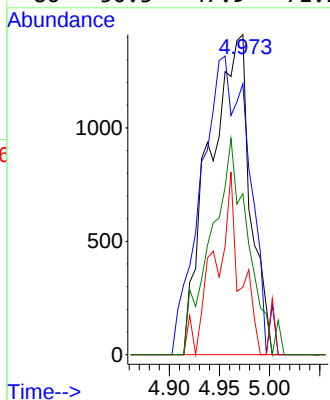
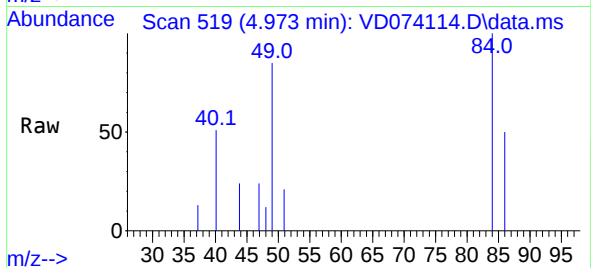




#20
Methylene Chloride
Concen: 13.730 ug/l
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

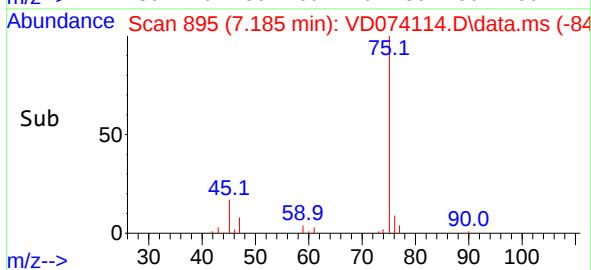
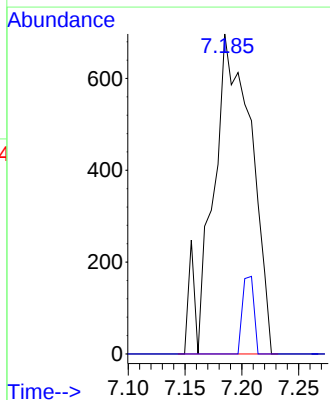
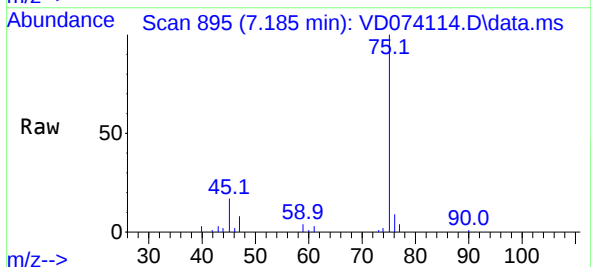
Instrument :
MSVOA_D
ClientSampleId :
EO-03-081022

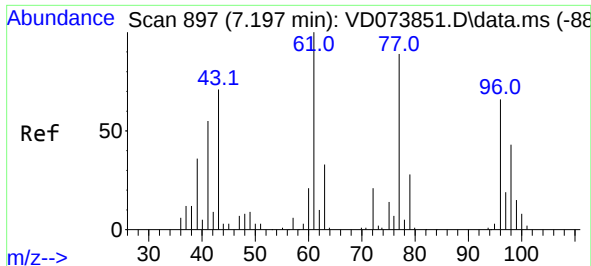
Tgt Ion:	84	Resp:	4006
Ion	Ratio	Lower	Upper
84	100		
49	84.6	112.8	169.2#
51	21.1	32.6	48.8#
86	50.3	47.9	71.9



#25
2-Butanone
Concen: 37.109 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

Tgt Ion:	43	Resp:	1661
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

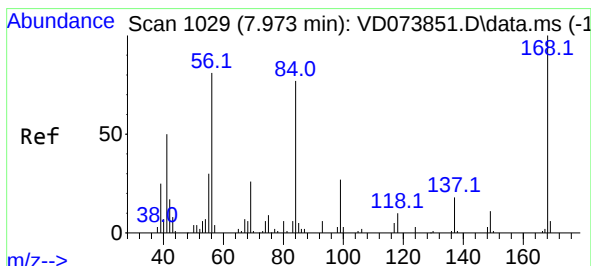
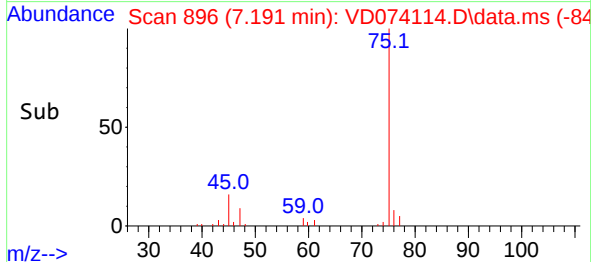
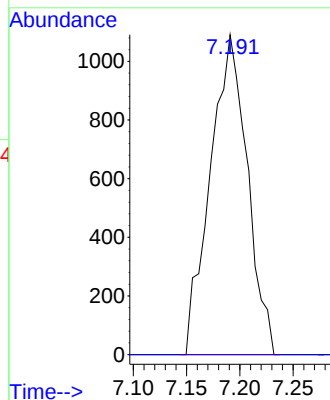
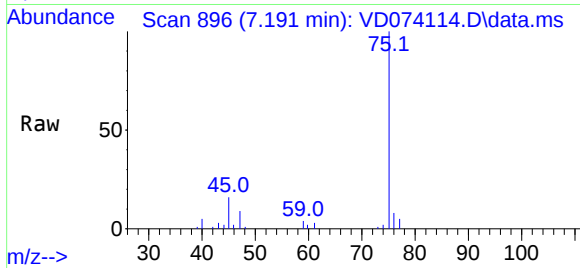




#26
2,2-Dichloropropane
Concen: 8.360 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.006 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

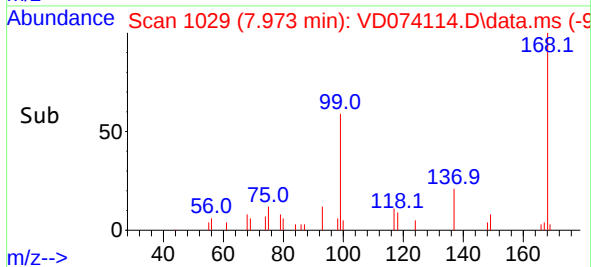
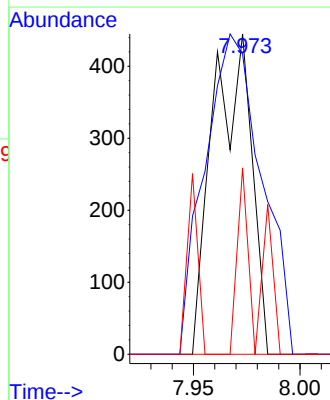
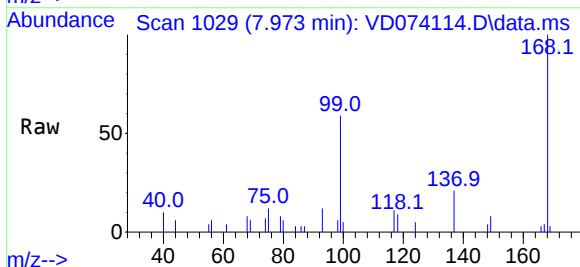
Instrument :
MSVOA_D
ClientSampleId :
EO-03-081022

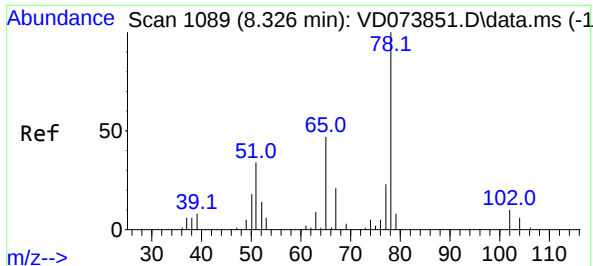
Tgt Ion: 77 Resp: 2640
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

Tgt Ion: 56 Resp: 562
Ion Ratio Lower Upper
56 100
69 93.7 25.4 38.2#
84 58.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 126.212 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD074114.D

Acq: 16 Aug 2022 21:13

Instrument :

MSVOA_D

ClientSampleId :

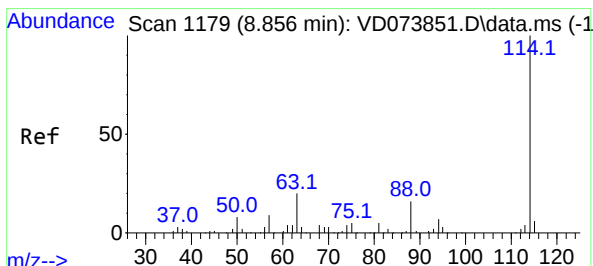
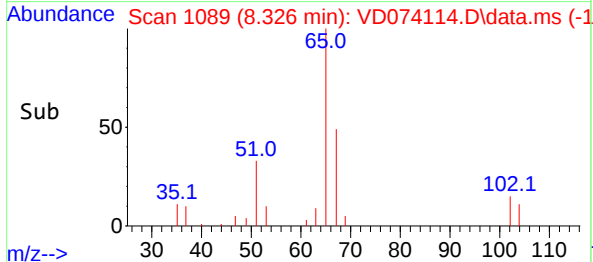
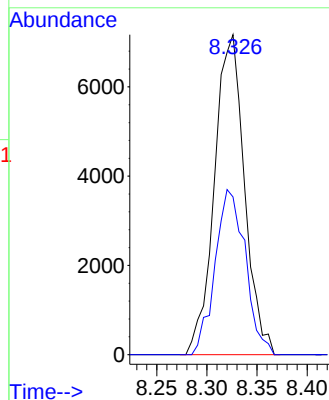
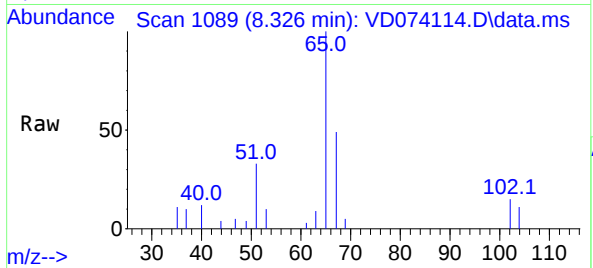
EO-03-081022

Tgt Ion: 65 Resp: 14951

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074114.D

Acq: 16 Aug 2022 21:13

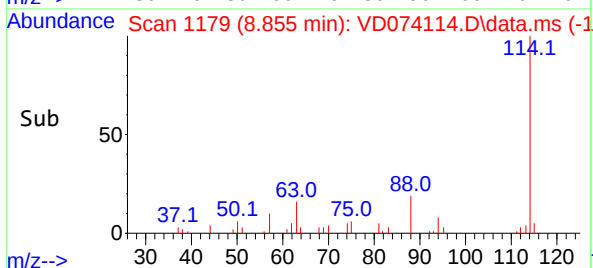
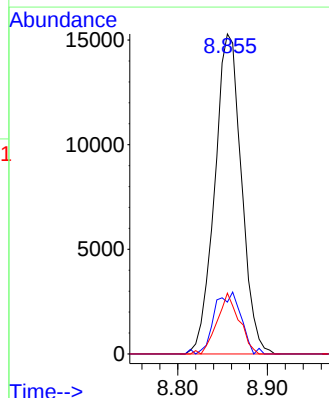
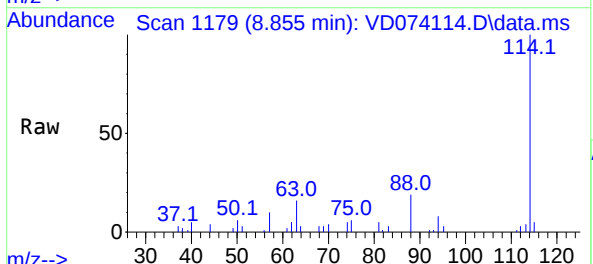
Tgt Ion: 114 Resp: 31577

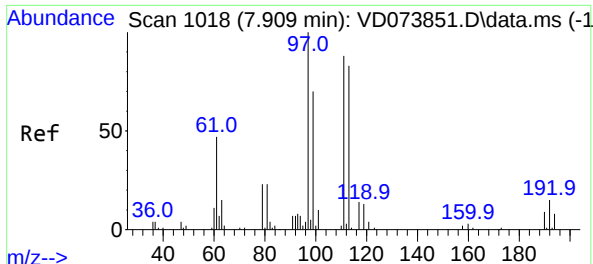
Ion Ratio Lower Upper

114 100

63 16.2 0.0 46.6

88 19.0 0.0 33.2

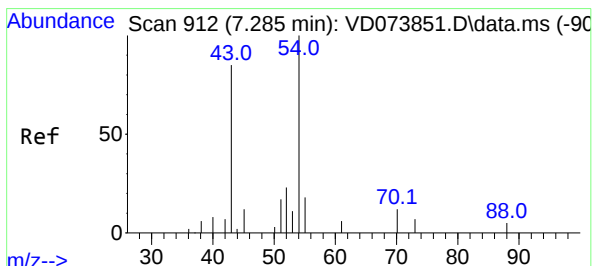
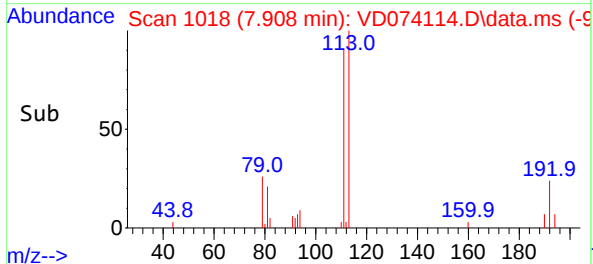
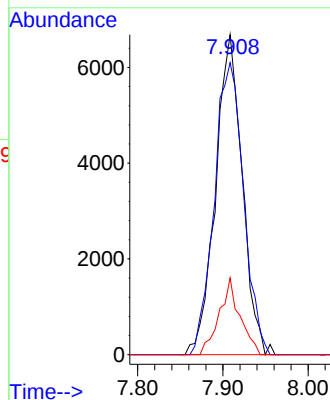
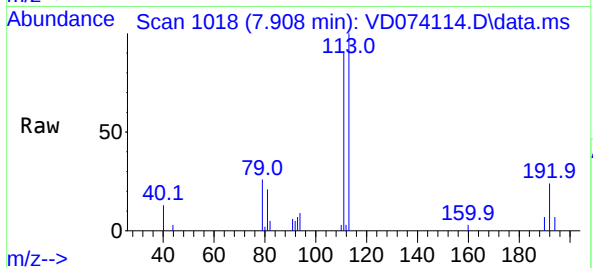




#35
Dibromofluoromethane
Concen: 72.102 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

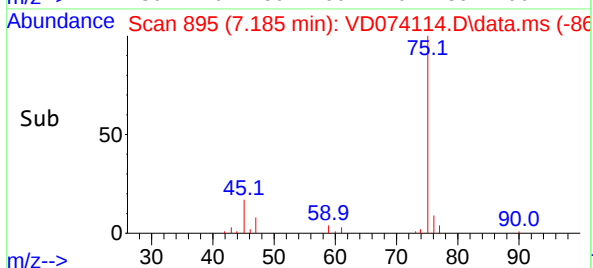
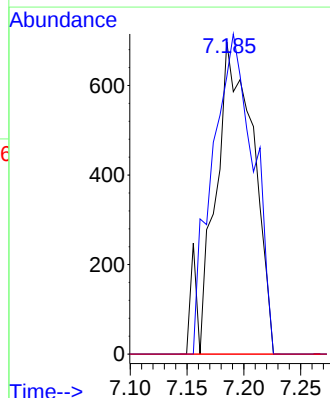
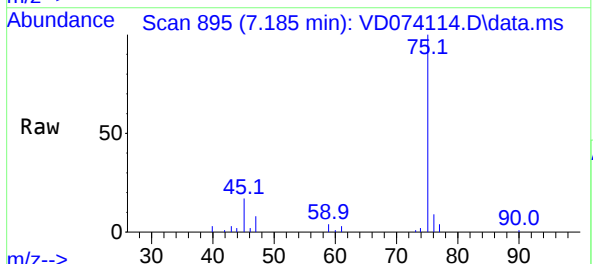
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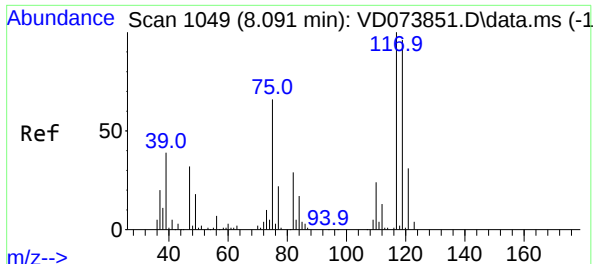
Tgt Ion:	113	Resp:	14549
Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.8	125.6
192	18.5	14.6	21.8



#37
Ethyl Acetate
Concen: 15.220 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.100 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

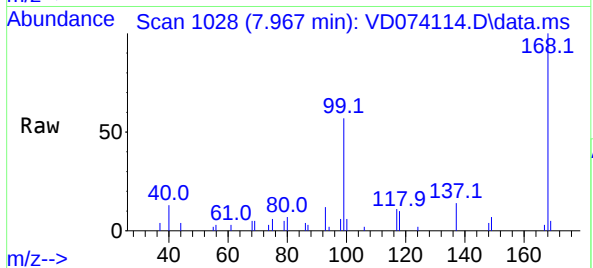
Tgt Ion:	43	Resp:	1661
Ion	Ratio	Lower	Upper
43	100		
61	108.5	9.8	14.8#
70	0.0	6.9	10.3#



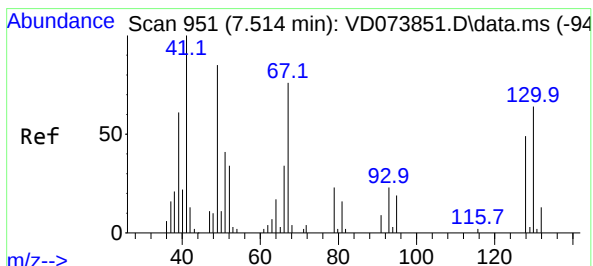
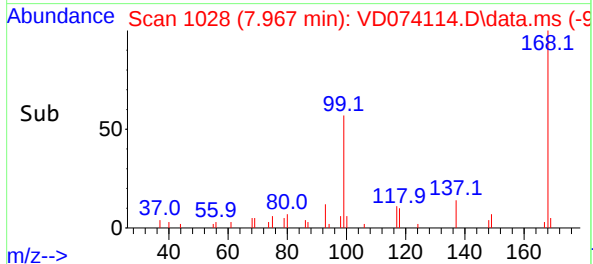
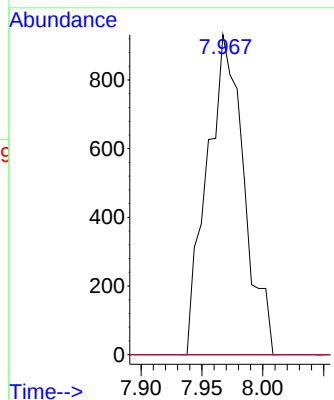


#38
Carbon Tetrachloride
Concen: 6.194 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

Instrument : MSVOA_D
ClientSampleId : EO-03-081022

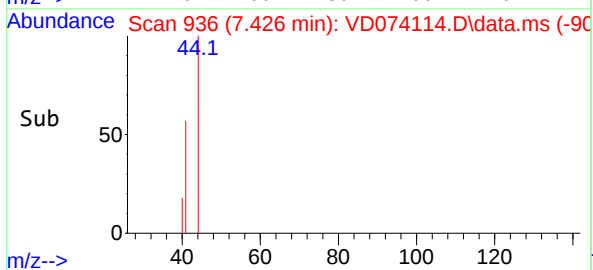
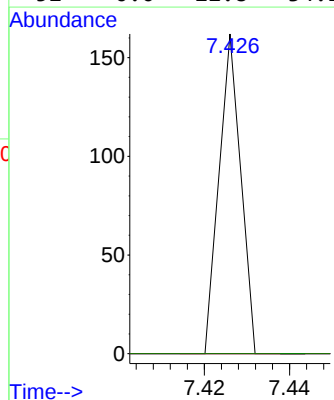
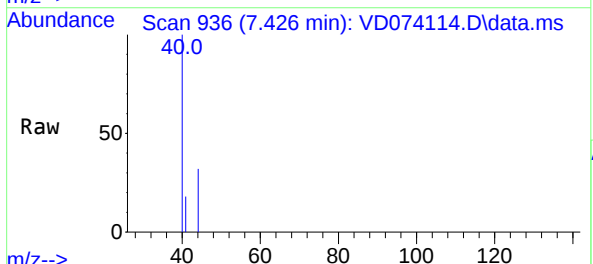


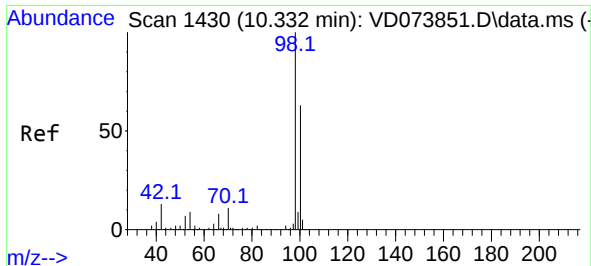
Tgt Ion:117 Resp: 1967
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 1.034 ug/l
RT: 7.426 min Scan# 936
Delta R.T. -0.088 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

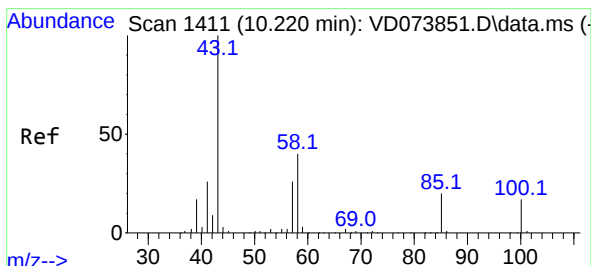
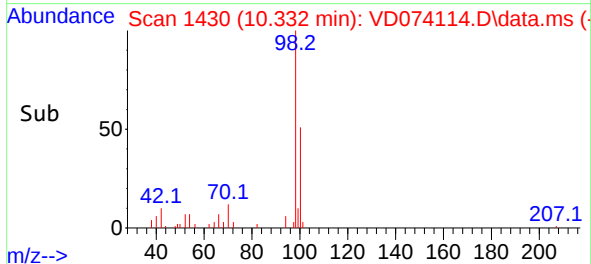
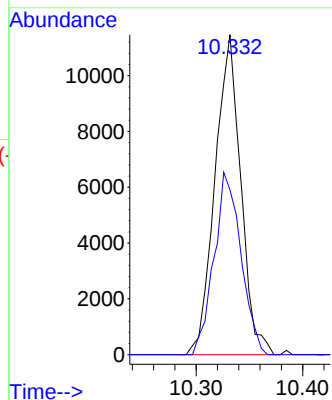
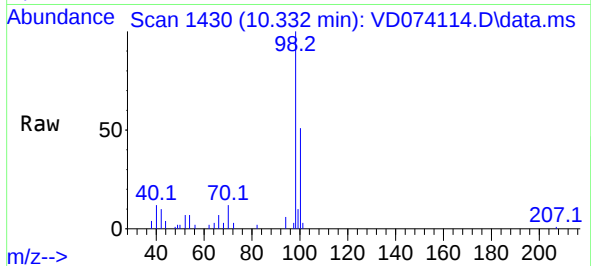




#50
Toluene-d8
Concen: 31.426 ug/l
RT: 10.332 min Scan# 1408
Delta R.T. -0.000 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

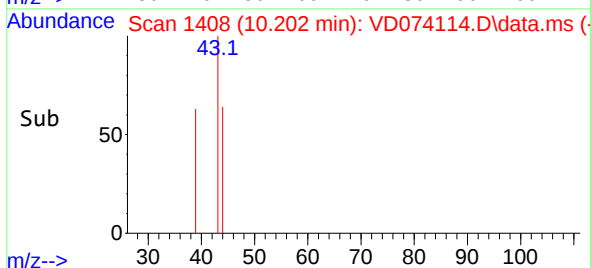
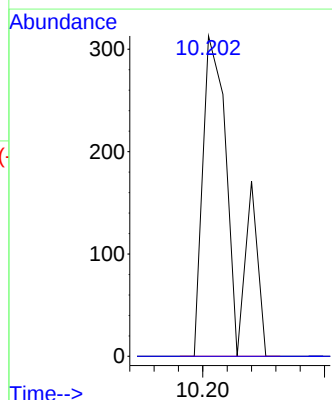
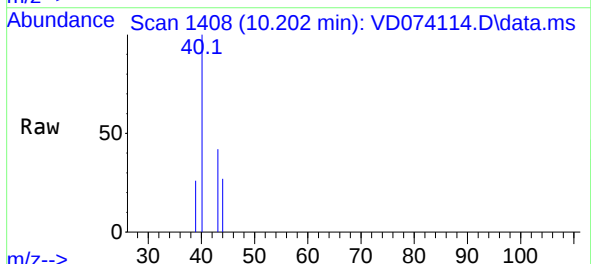
Instrument :
MSVOA_D
ClientSampleId :
EO-03-081022

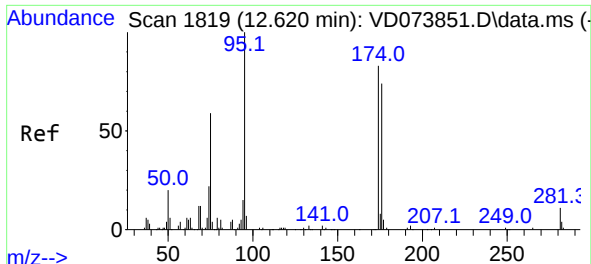
Tgt Ion: 98 Resp: 19253
Ion Ratio Lower Upper
98 100
100 59.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.545 ug/l
RT: 10.202 min Scan# 1408
Delta R.T. -0.018 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

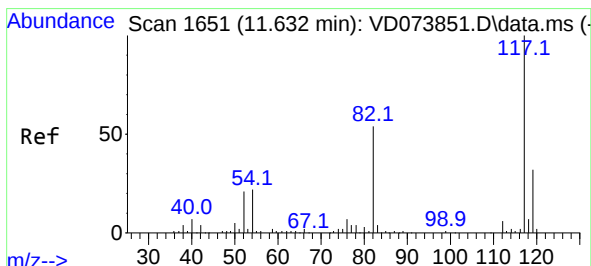
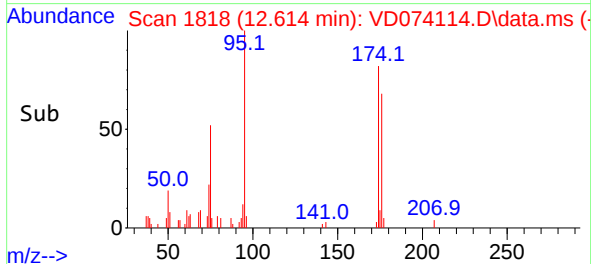
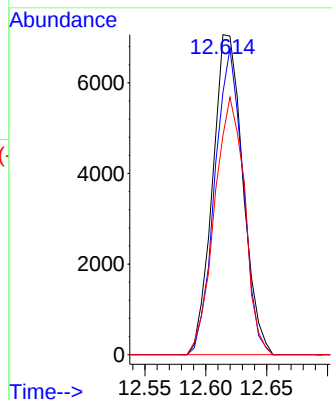
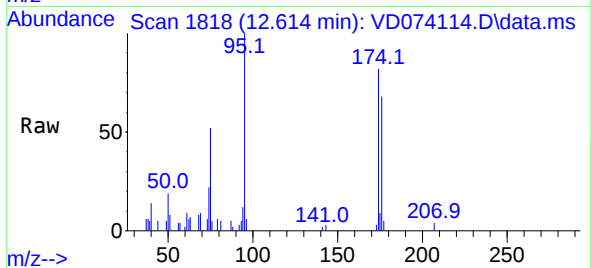




#62
4-Bromofluorobenzene
Concen: 48.282 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

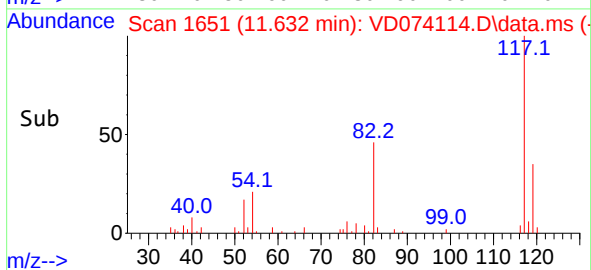
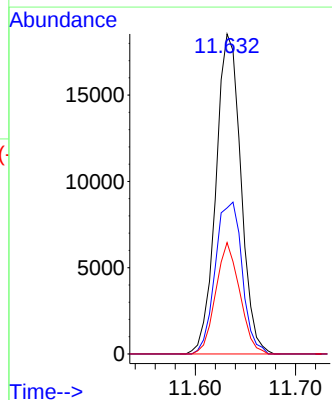
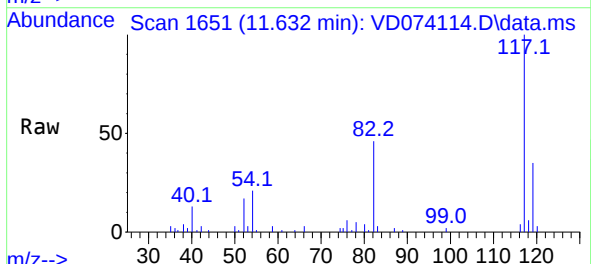
Instrument :
MSVOA_D
ClientSampleId :
EO-03-081022

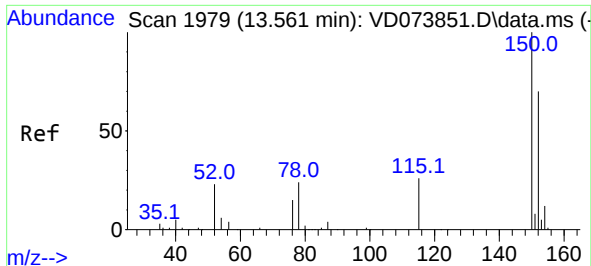
Tgt Ion: 95 Resp: 12215
Ion Ratio Lower Upper
95 100
174 88.8 0.0 152.8
176 80.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

Tgt Ion: 117 Resp: 32032
Ion Ratio Lower Upper
117 100
82 45.6 45.3 67.9
119 34.8 26.6 40.0

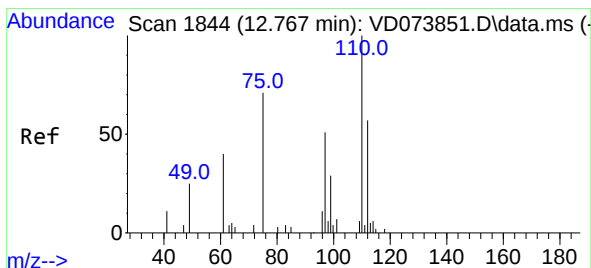
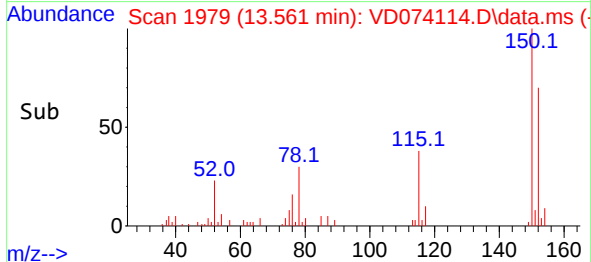
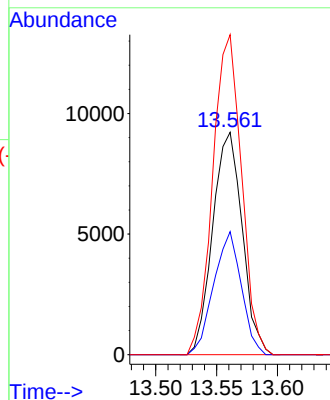
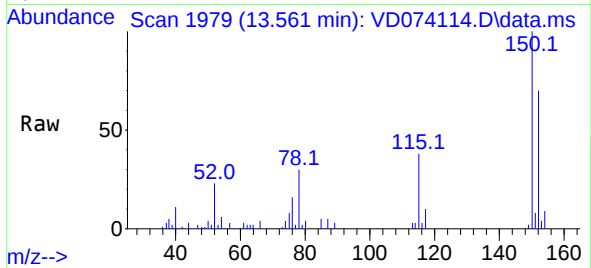




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

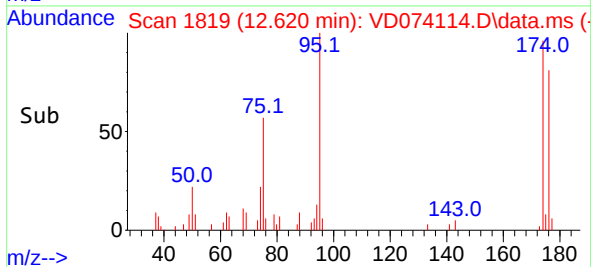
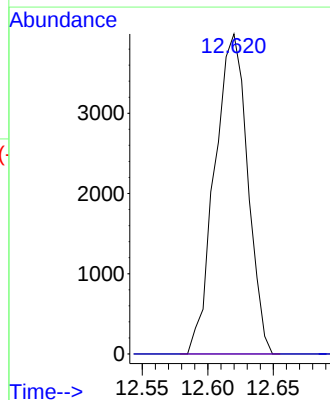
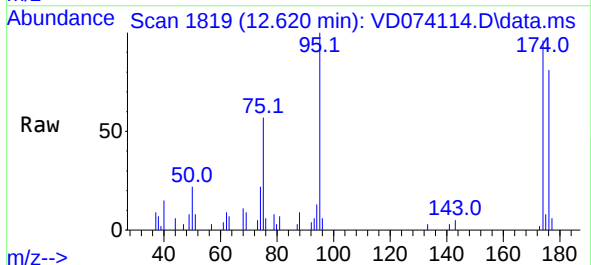
Instrument :
MSVOA_D
ClientSampleId :
EO-03-081022

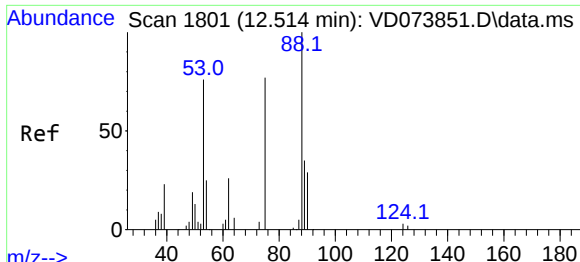
Tgt Ion:152 Resp: 15584
Ion Ratio Lower Upper
152 100
115 51.7 31.3 93.8
150 140.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 50.149 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074114.D
Acq: 16 Aug 2022 21:13

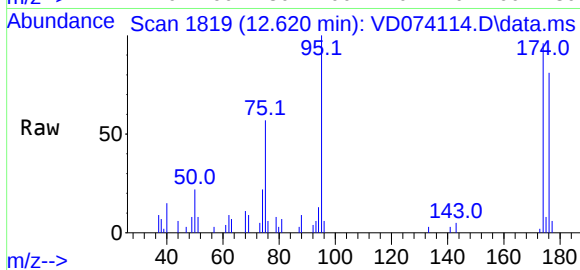
Tgt Ion: 75 Resp: 6964
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.860 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD074114.D
 Acq: 16 Aug 2022 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-081022



Tgt Ion: 75 Resp: 6964
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

