

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074204.D
 Acq On : 24 Aug 2022 02:00
 Operator : VA/SY
 Sample : N4260-03
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-4-(10-16)

Quant Time: Aug 24 06:26:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

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

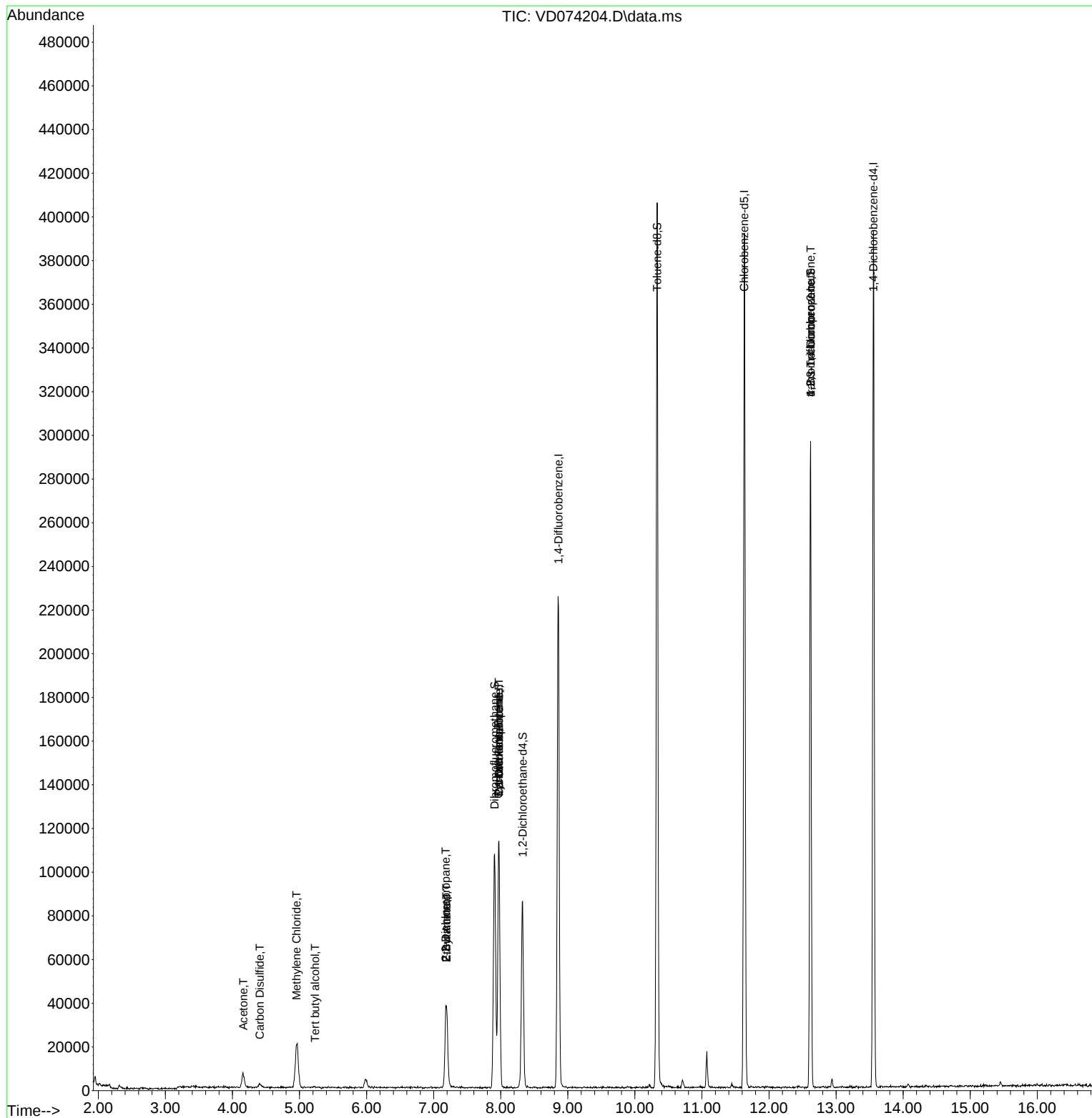
Internal Standards						
1) Pentafluorobenzene	7.973	168	80020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	197662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	225684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	106718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	69591	85.108	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 170.220%#	
35) Dibromofluoromethane	7.908	113	77022	58.256	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.520%	
50) Toluene-d8	10.332	98	264610	62.186	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 124.380%	
62) 4-Bromofluorobenzene	12.620	95	95775	56.974	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.940%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.232	59	321	6.304	ug/l #	74
16) Acetone	4.162	43	11077	71.105	ug/l	95
17) Carbon Disulfide	4.409	76	3057	3.165	ug/l #	74
18) Methyl Acetate	4.732	43	59	Below Cal	#	55
20) Methylene Chloride	4.956	84	16613	12.342	ug/l #	86
25) 2-Butanone	7.191	43	2383	9.881	ug/l #	52
26) 2,2-Dichloropropane	7.179	77	2517	1.671	ug/l #	54
31) Cyclohexane	7.967	56	1990	1.367	ug/l #	25
36) 1,1-Dichloropropene	7.973	75	6664	3.335	ug/l #	50
37) Ethyl Acetate	7.191	43	2383	3.025	ug/l #	1
38) Carbon Tetrachloride	7.973	117	8677	4.042	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	49881	47.870	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	49881	123.103	ug/l #	7

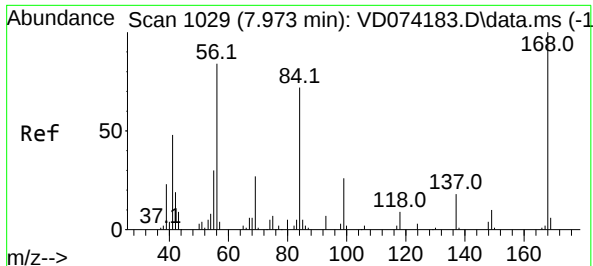
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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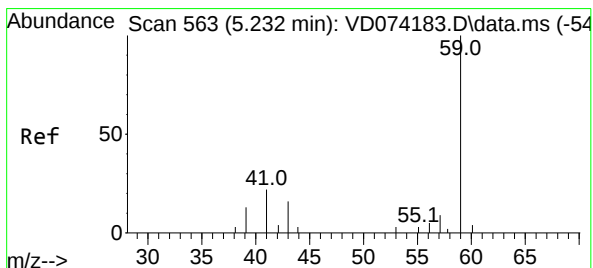
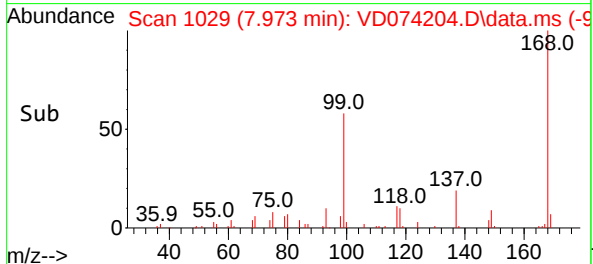
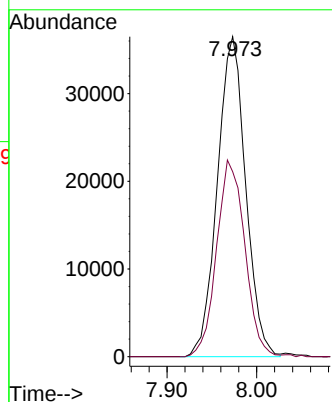
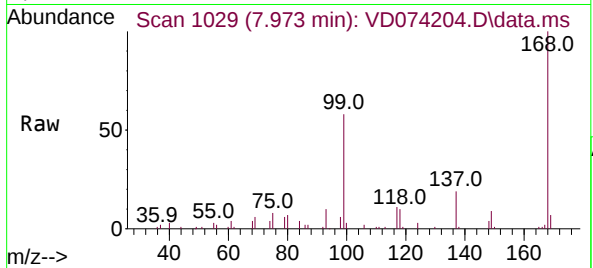




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

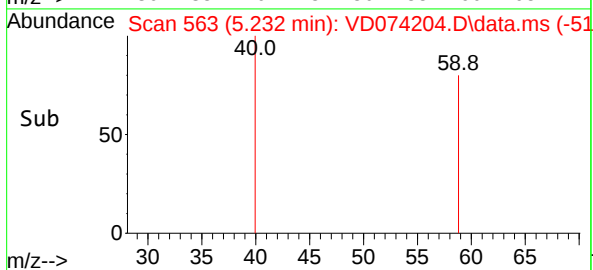
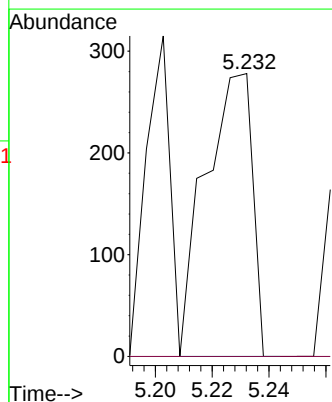
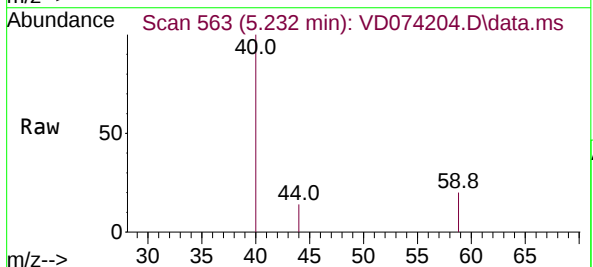
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(10-16)

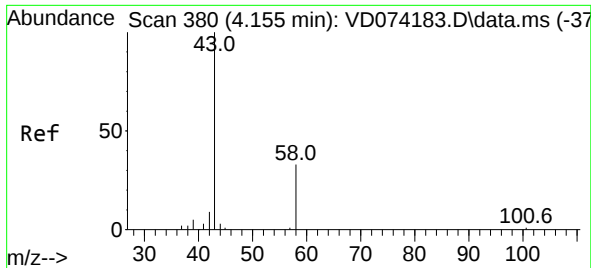
Tgt Ion:168 Resp: 80020
Ion Ratio Lower Upper
168 100
99 57.8 49.8 74.6



#11
Tert butyl alcohol
Concen: 6.304 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

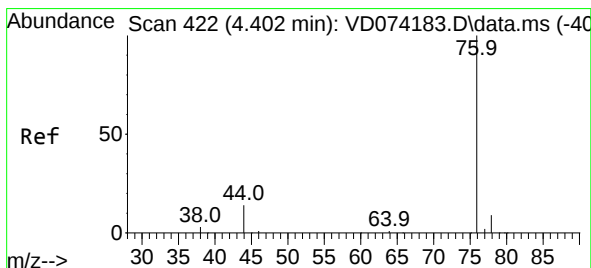
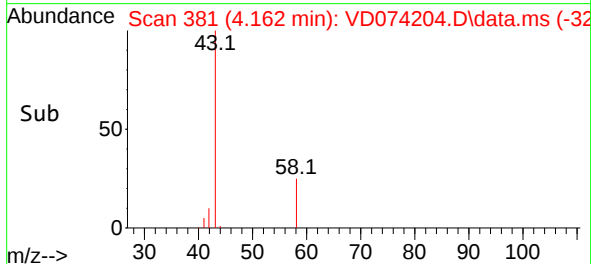
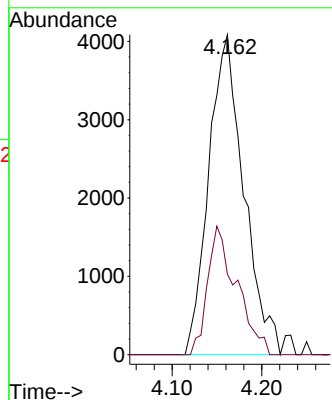
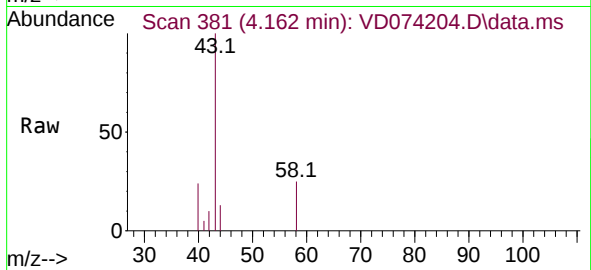




#16
Acetone
Concen: 71.105 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.007 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

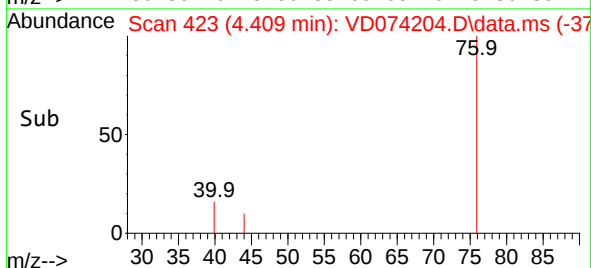
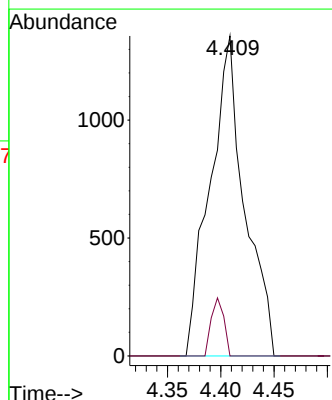
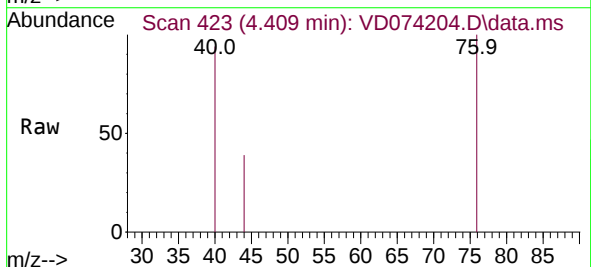
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(10-16)

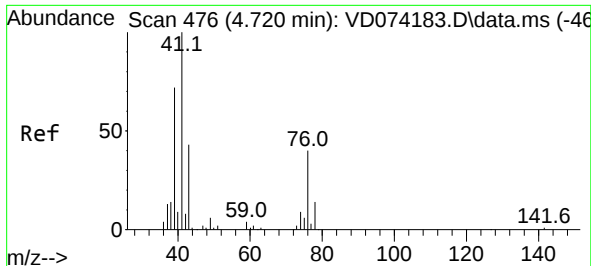
Tgt Ion: 43 Resp: 11077
Ion Ratio Lower Upper
43 100
58 25.2 22.1 33.1



#17
Carbon Disulfide
Concen: 3.165 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.007 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

Tgt Ion: 76 Resp: 3057
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.732 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD074204.D

Acq: 24 Aug 2022 02:00

Instrument :

MSVOA_D

ClientSampleId :

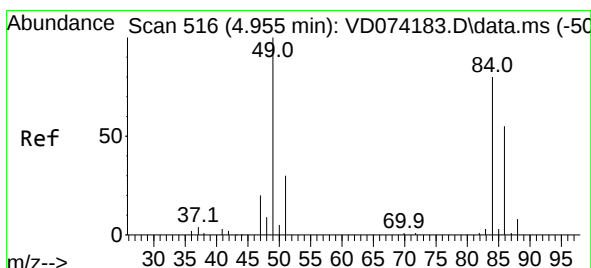
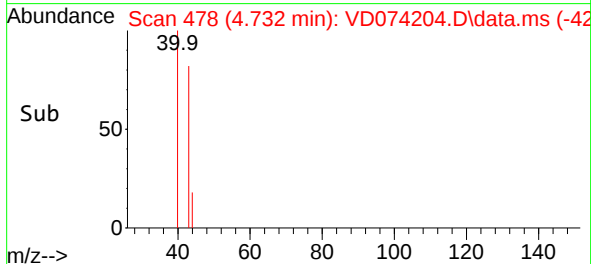
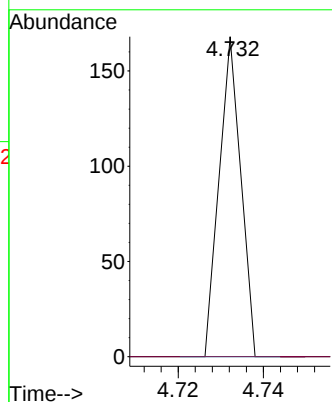
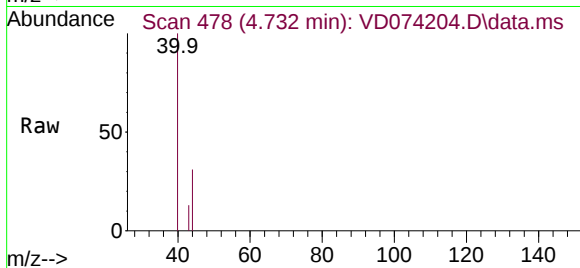
SASP2-T-4-(10-16)

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 12.342 ug/l

RT: 4.956 min Scan# 516

Delta R.T. 0.001 min

Lab File: VD074204.D

Acq: 24 Aug 2022 02:00

Tgt Ion: 84 Resp: 16613

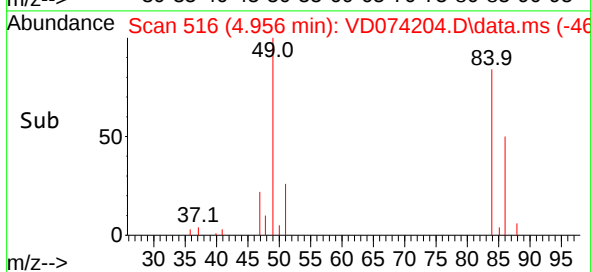
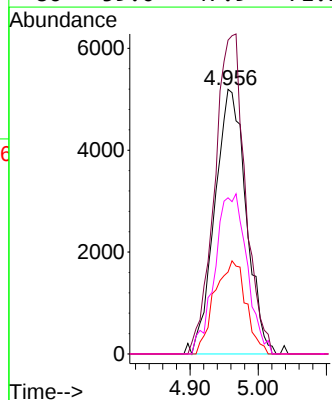
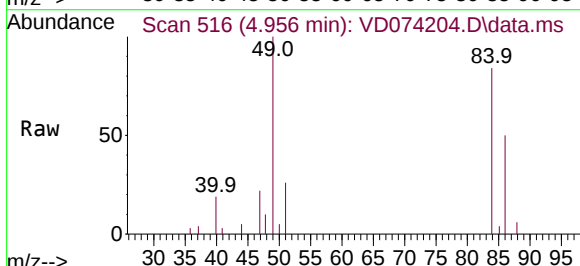
Ion Ratio Lower Upper

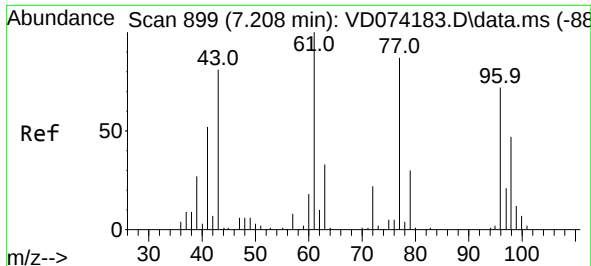
84 100

49 118.6 112.8 169.2

51 31.0 32.6 48.8#

86 59.0 47.9 71.9





#25

2-Butanone

Concen: 9.881 ug/l

RT: 7.191 min Scan# 899

Delta R.T. -0.017 min

Lab File: VD074204.D

Acq: 24 Aug 2022 02:00

Instrument :

MSVOA_D

ClientSampleId :

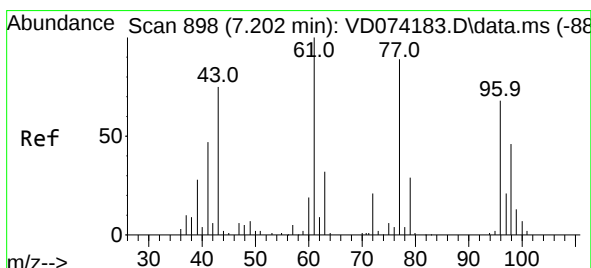
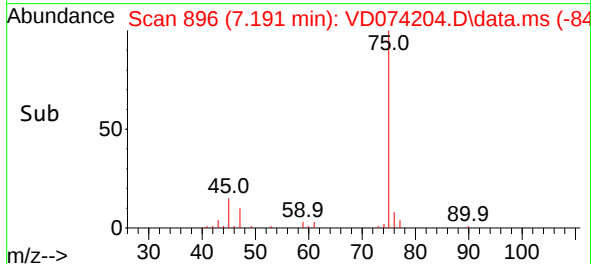
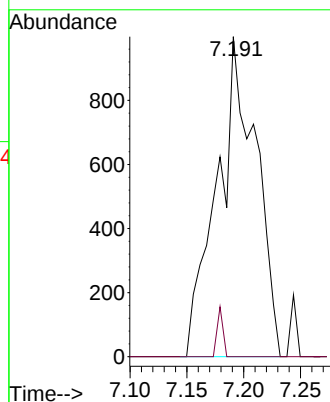
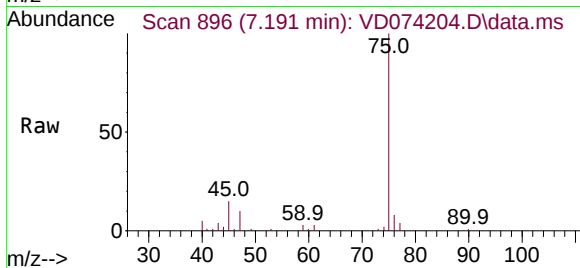
SASP2-T-4-(10-16)

Tgt Ion: 43 Resp: 2383

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#26

2,2-Dichloropropane

Concen: 1.671 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.023 min

Lab File: VD074204.D

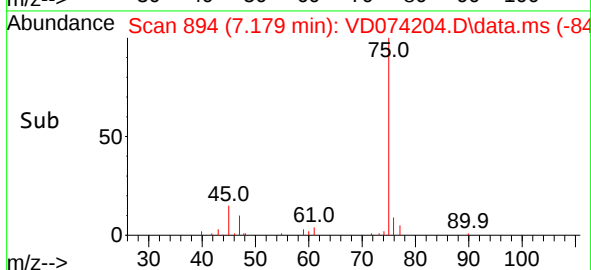
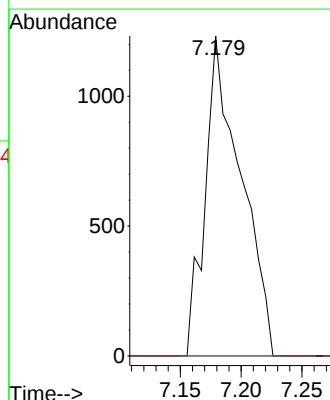
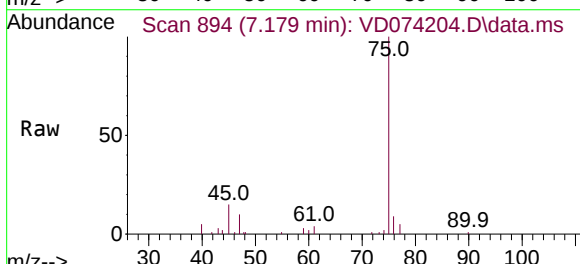
Acq: 24 Aug 2022 02:00

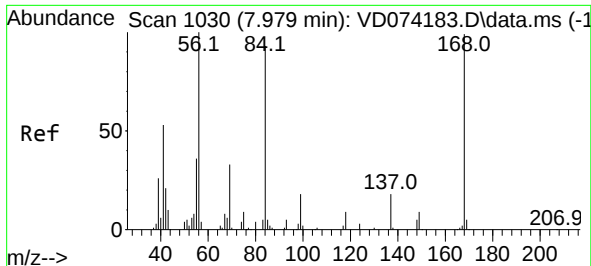
Tgt Ion: 77 Resp: 2517

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

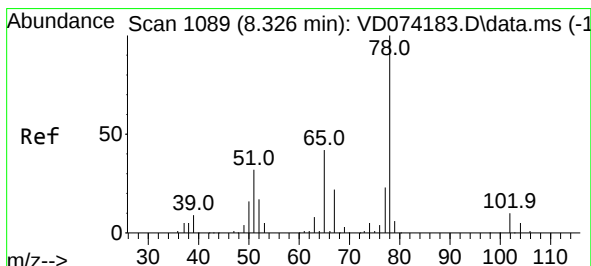
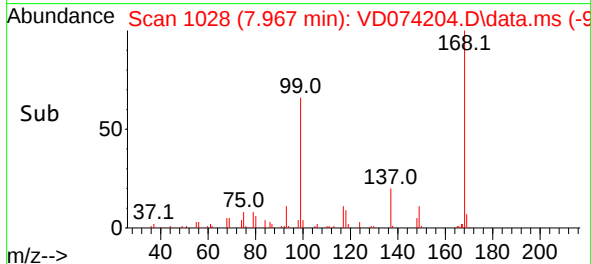
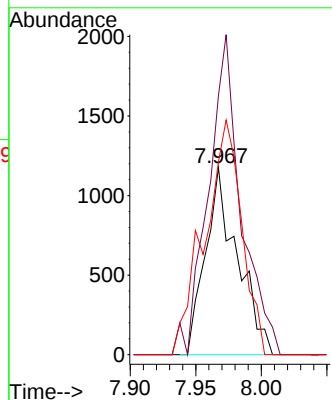
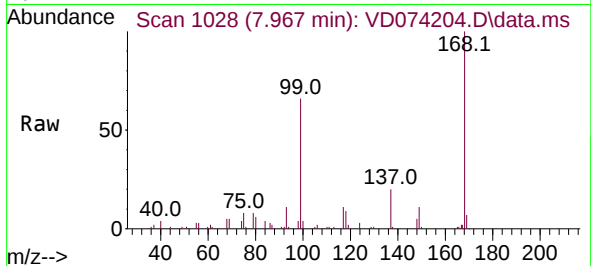




#31
Cyclohexane
Concen: 1.367 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

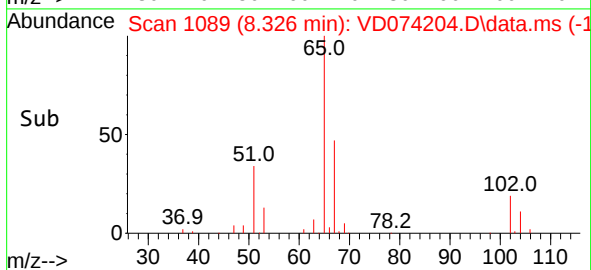
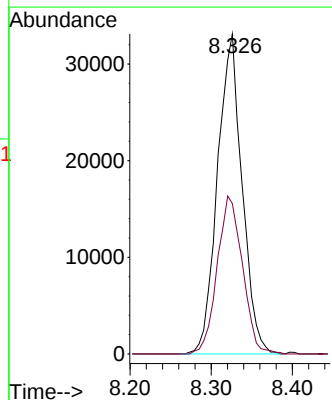
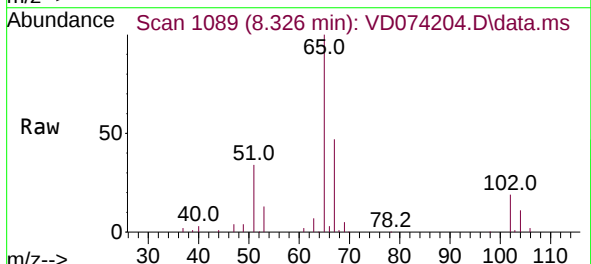
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SASP2-T-4-(10-16)

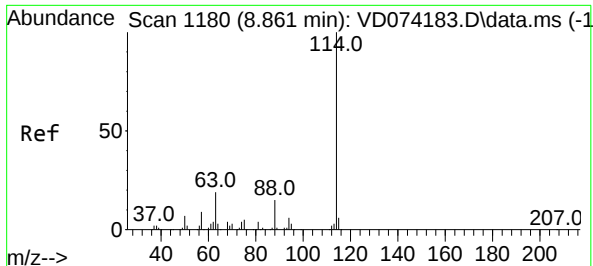
Tgt Ion: 56 Resp: 1990
Ion Ratio Lower Upper
56 100
69 138.3 25.4 38.2#
84 103.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 85.108 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

Tgt Ion: 65 Resp: 69591
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.4

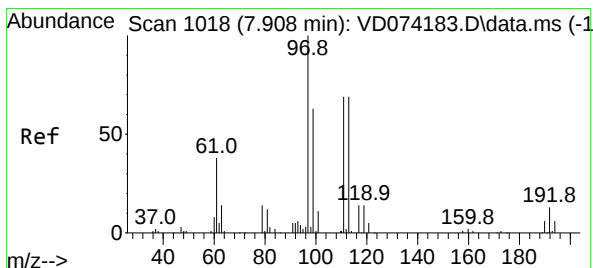
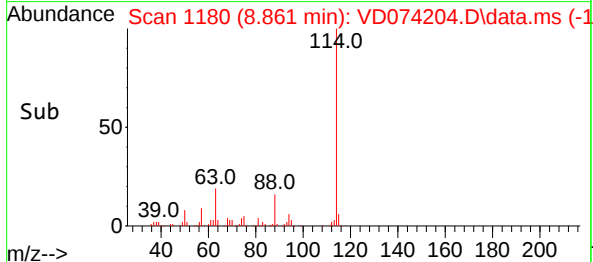
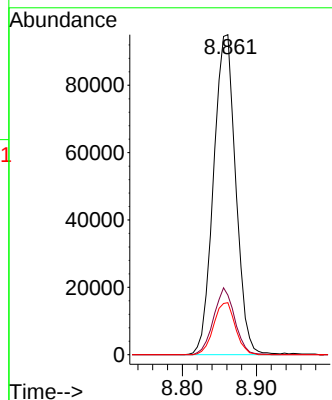
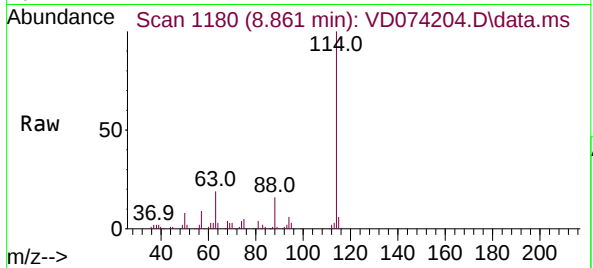




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

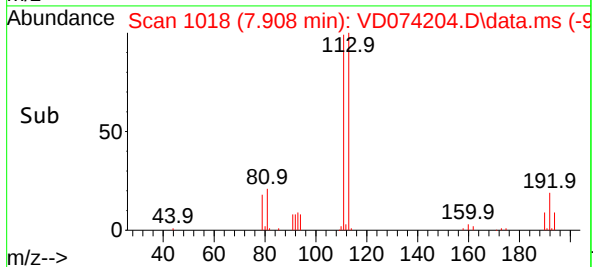
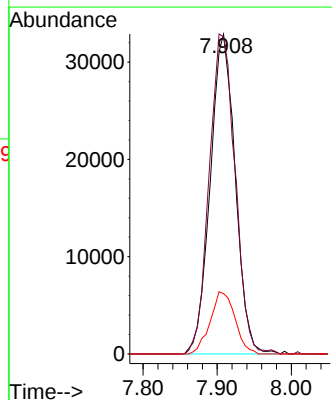
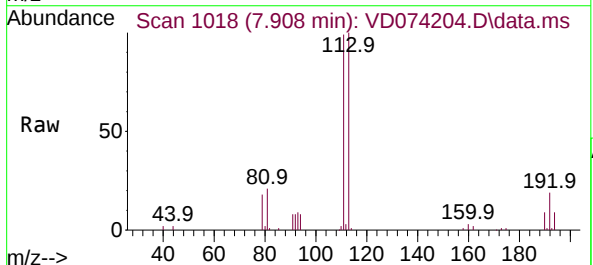
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(10-16)

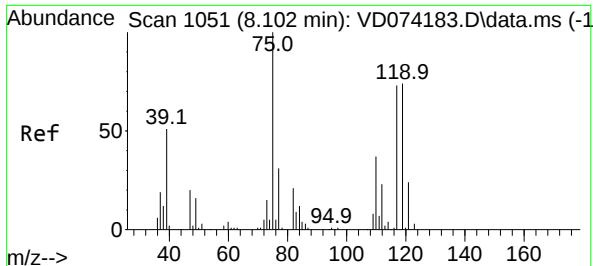
Tgt Ion:	114	Resp:	197662
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	46.6
88	16.3	0.0	33.2



#35
Dibromofluoromethane
Concen: 58.256 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

Tgt Ion:	113	Resp:	77022
Ion Ratio	Lower	Upper	
113	100		
111	103.8	83.8	125.6
192	19.3	14.6	21.8





#36

1,1-Dichloropropene

Concen: 3.335 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.129 min

Lab File: VD074204.D

Acq: 24 Aug 2022 02:00

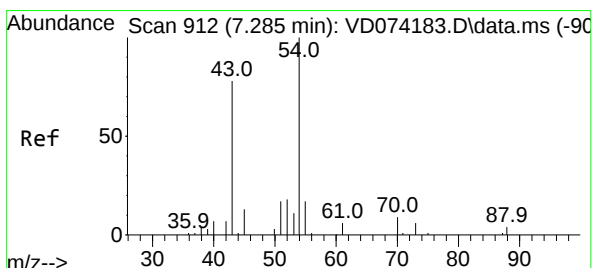
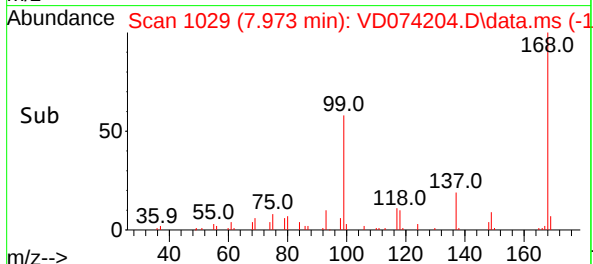
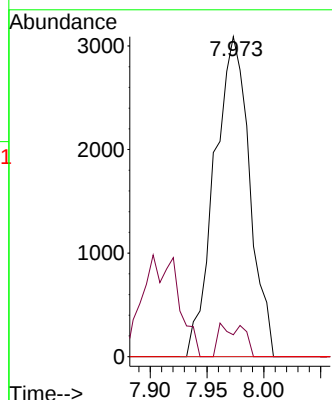
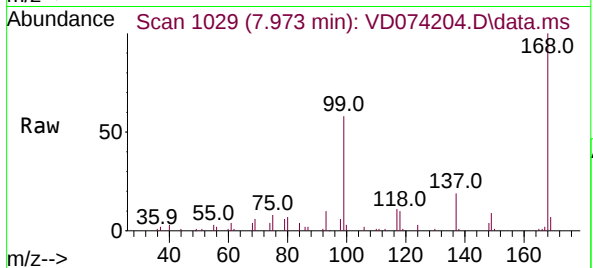
Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-4-(10-16)

Tgt Ion: 75	Resp: 6664
Ion Ratio	Lower Upper
75 100	
110 7.0	16.4 49.1#
77 0.0	24.2 36.2#



#37

Ethyl Acetate

Concen: 3.025 ug/l

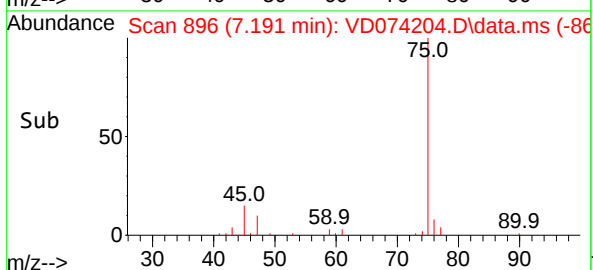
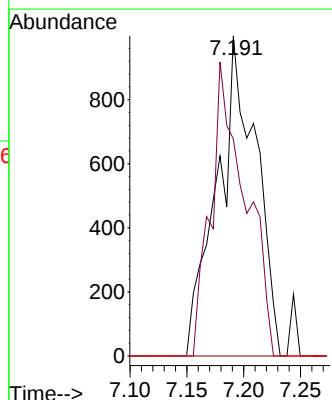
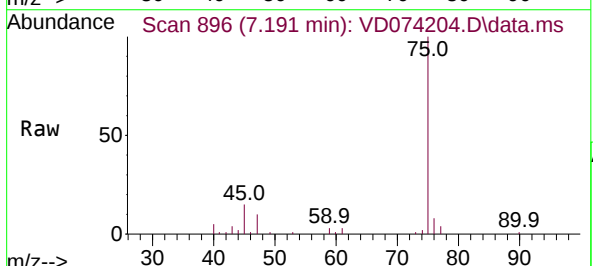
RT: 7.191 min Scan# 896

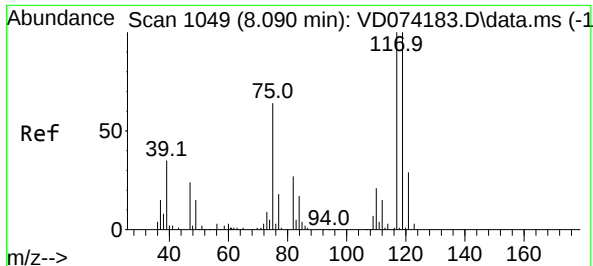
Delta R.T. -0.094 min

Lab File: VD074204.D

Acq: 24 Aug 2022 02:00

Tgt Ion: 43	Resp: 2383
Ion Ratio	Lower Upper
43 100	
61 81.3	9.8 14.8#
70 0.0	6.9 10.3#





#38

Carbon Tetrachloride

Concen: 4.042 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.117 min

Lab File: VD074204.D

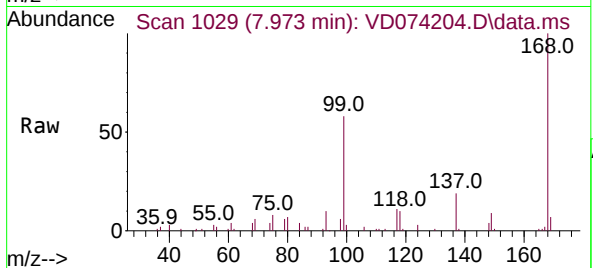
Acq: 24 Aug 2022 02:00

Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-4-(10-16)



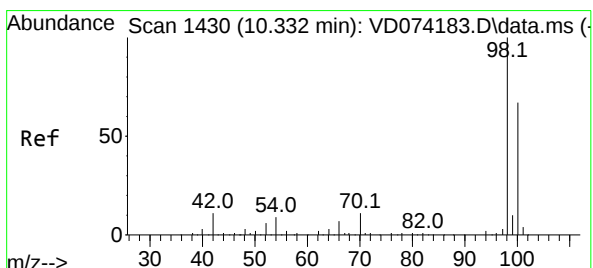
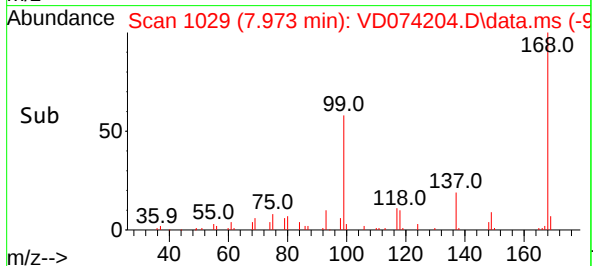
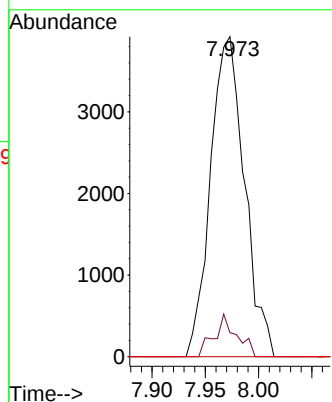
Tgt Ion:117 Resp: 8677

Ion Ratio Lower Upper

117 100

119 7.5 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 62.186 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD074204.D

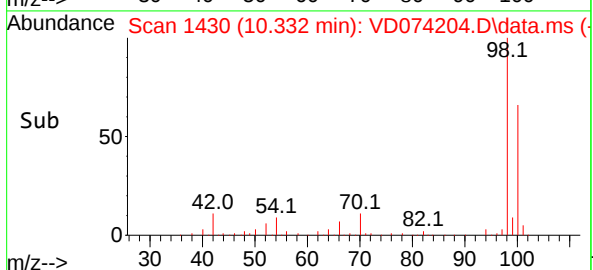
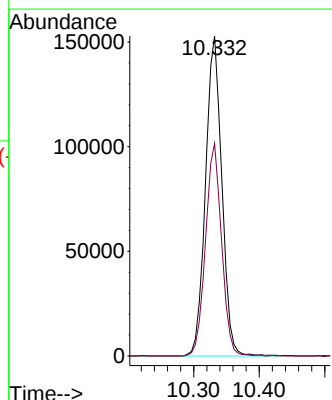
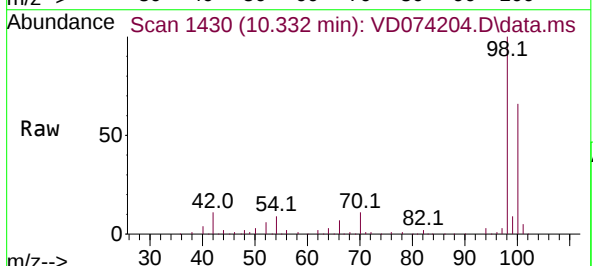
Acq: 24 Aug 2022 02:00

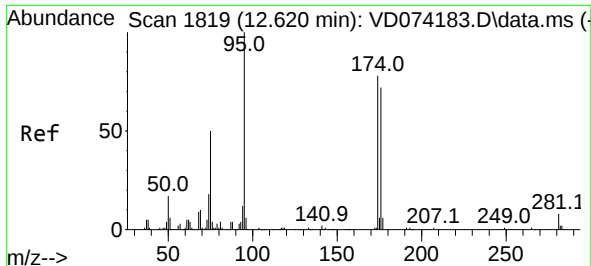
Tgt Ion: 98 Resp: 264610

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6

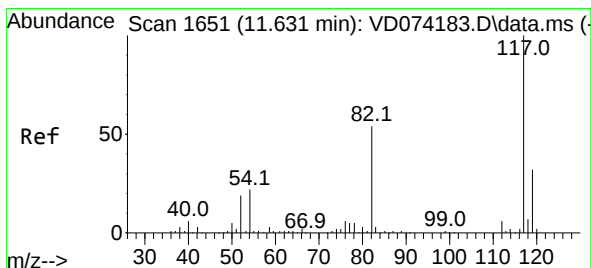
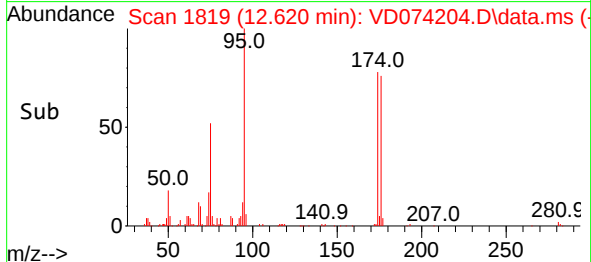
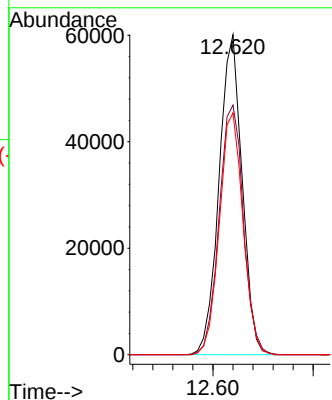
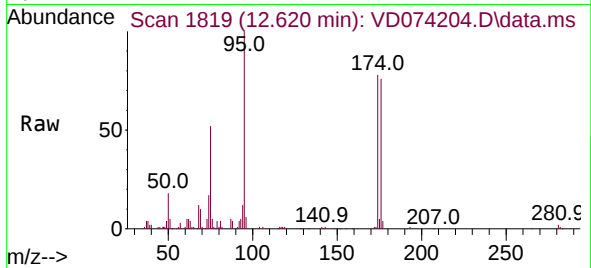




#62
4-Bromofluorobenzene
Concen: 56.974 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

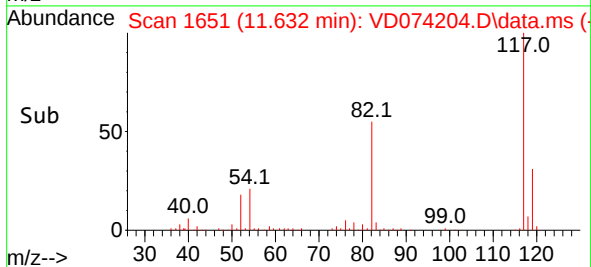
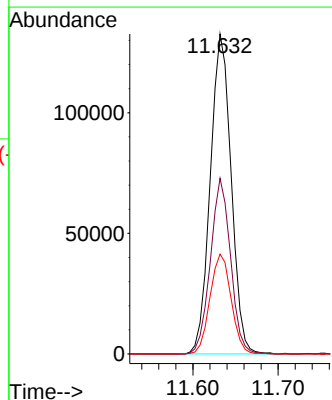
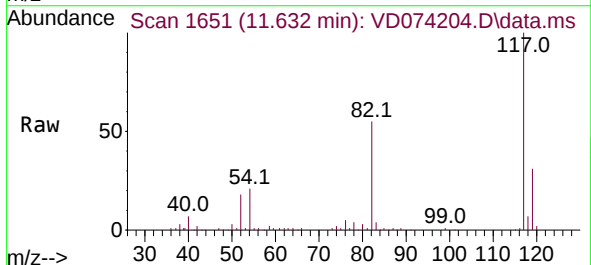
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(10-16)

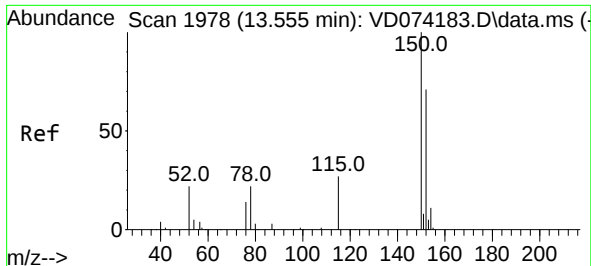
Tgt Ion: 95 Resp: 95775
Ion Ratio Lower Upper
95 100
174 82.0 0.0 152.8
176 77.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.001 min
Lab File: VD074204.D
Acq: 24 Aug 2022 02:00

Tgt Ion: 117 Resp: 225684
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 31.2 26.6 40.0

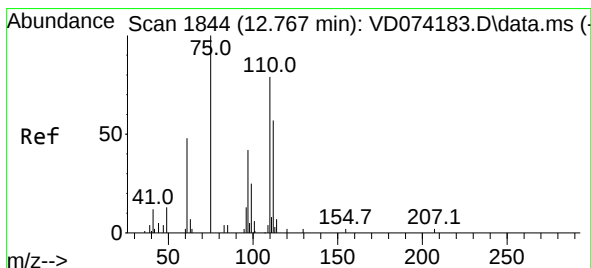
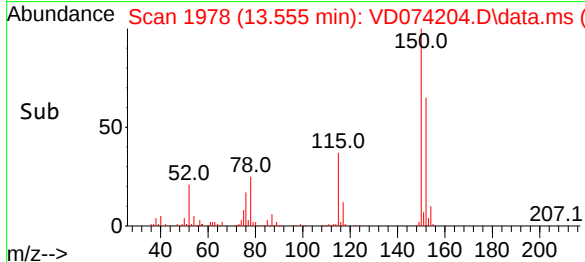
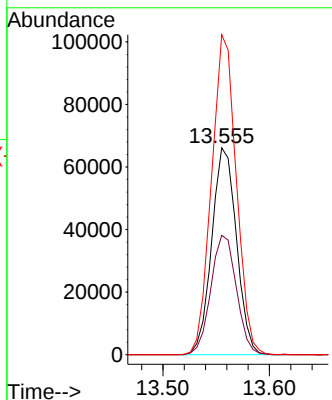
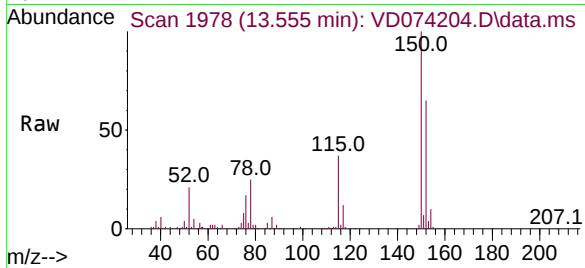




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1978
 Delta R.T. 0.000 min
 Lab File: VD074204.D
 Acq: 24 Aug 2022 02:00

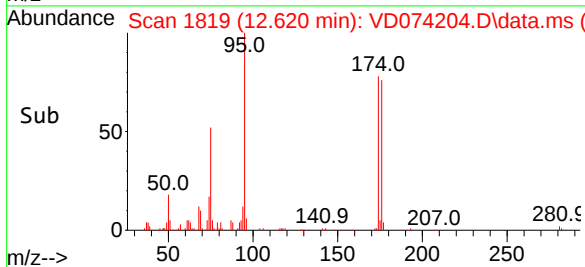
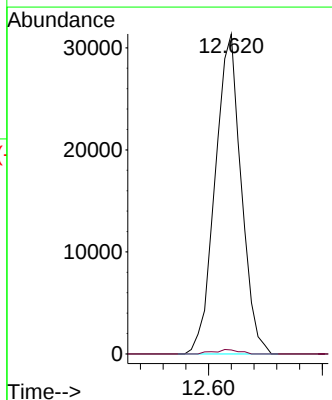
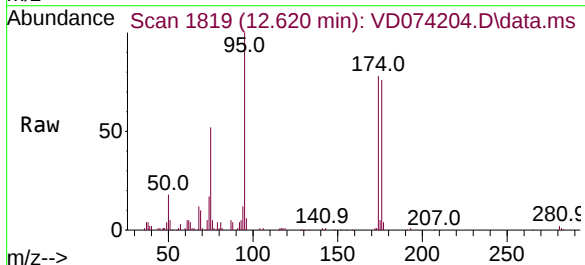
Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-4-(10-16)

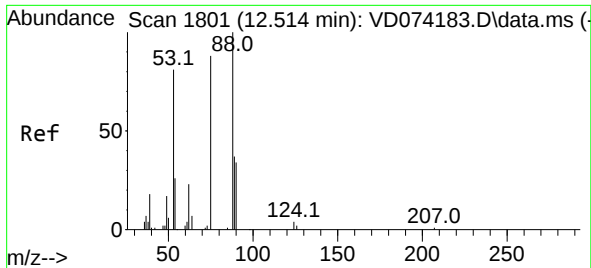
Tgt Ion:152 Resp: 106718
 Ion Ratio Lower Upper
 152 100
 115 59.5 31.3 93.8
 150 154.7 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.870 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD074204.D
 Acq: 24 Aug 2022 02:00

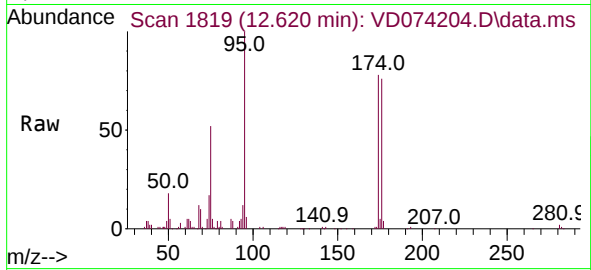
Tgt Ion: 75 Resp: 49881
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.103 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074204.D
 Acq: 24 Aug 2022 02:00

Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-4-(10-16)



Tgt Ion: 75 Resp: 49881
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

