

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082422\
 Data File : VD074220.D
 Acq On : 24 Aug 2022 13:40
 Operator : VA/SY
 Sample : N4260-01
 Misc : 5.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-4-(0-5)RE

Quant Time: Aug 25 05:02:41 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)

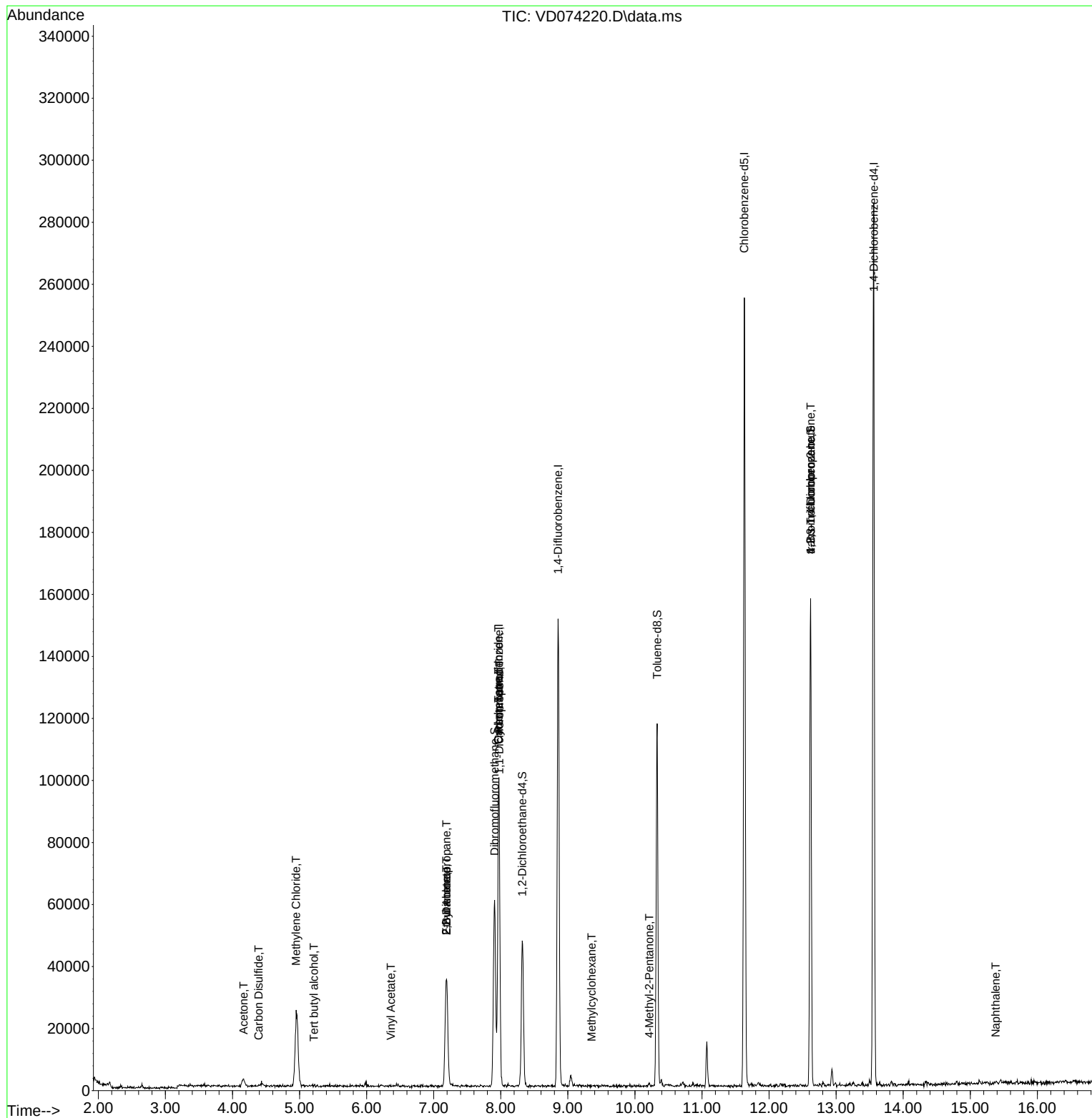
Internal Standards						
1) Pentafluorobenzene	7.973	168	71844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	128804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	144833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	77280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	37843	51.548	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.100%
35) Dibromofluoromethane	7.908	113	44424	51.563	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.120%
50) Toluene-d8	10.332	98	78193	28.200	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	56.400%
62) 4-Bromofluorobenzene	12.620	95	53555	48.890	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.214	59	547	11.965	ug/l #	74
16) Acetone	4.167	43	4734	33.847	ug/l	91
17) Carbon Disulfide	4.391	76	111	2.059	ug/l #	74
18) Methyl Acetate	4.479	43	119	Below Cal	#	55
20) Methylene Chloride	4.950	84	18312	16.637	ug/l	83
23) Vinyl Acetate	6.361	43	60	10.118	ug/l #	75
25) 2-Butanone	7.191	43	2565	11.846	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	2424	1.793	ug/l #	54
31) Cyclohexane	7.967	56	1844	1.411	ug/l #	52
36) 1,1-Dichloropropene	7.979	75	5870	4.508	ug/l #	51
37) Ethyl Acetate	7.191	43	2565	4.996	ug/l #	1
38) Carbon Tetrachloride	7.967	117	7631	5.455	ug/l #	16
39) Methylcyclohexane	9.355	83	197	2.329	ug/l #	31
51) 4-Methyl-2-Pentanone	10.214	43	580	1.124	ug/l #	87
76) 1,2,3-Trichloropropane	12.620	75	26826	35.551	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	26826	91.424	ug/l #	7
95) Naphthalene	15.379	128	726	3.662	ug/l #	70

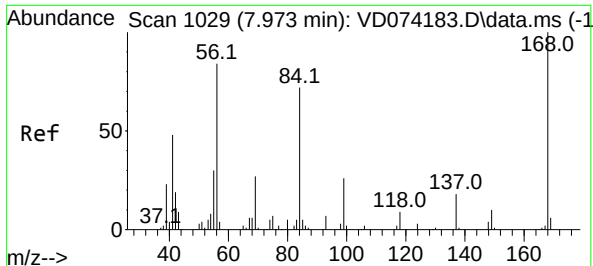
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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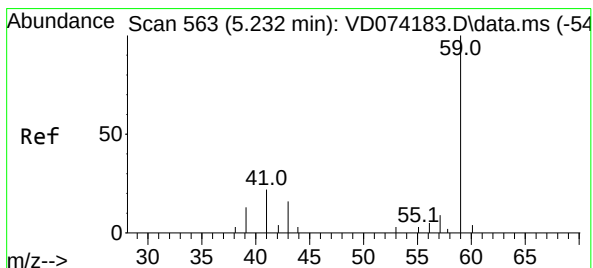
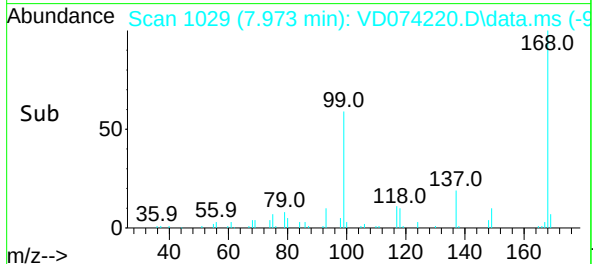
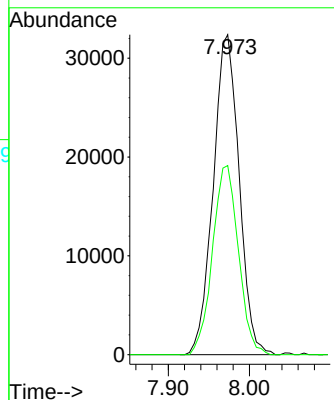
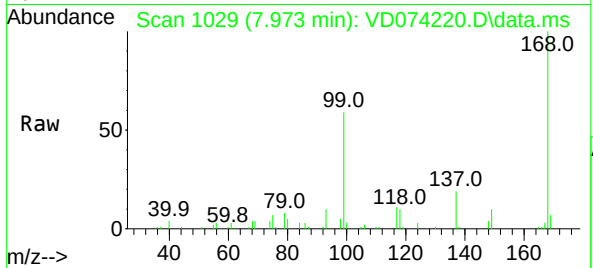




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

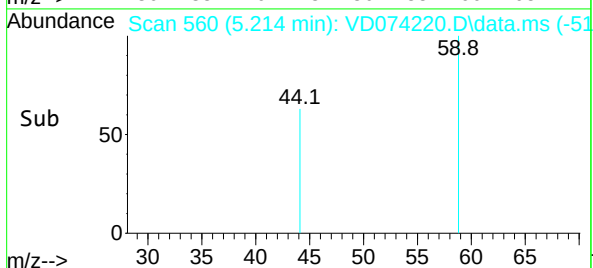
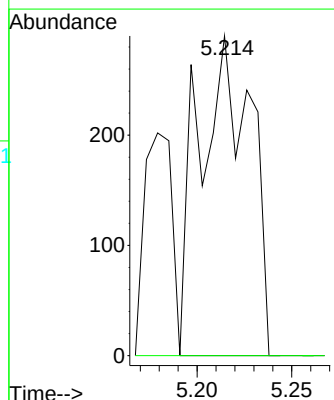
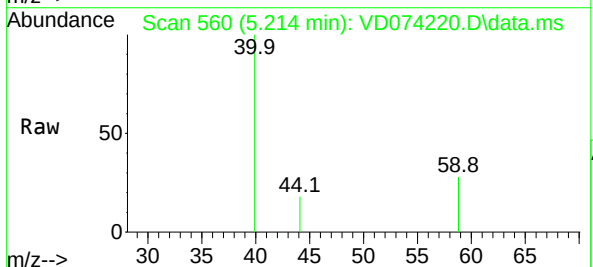
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(0-5)RE

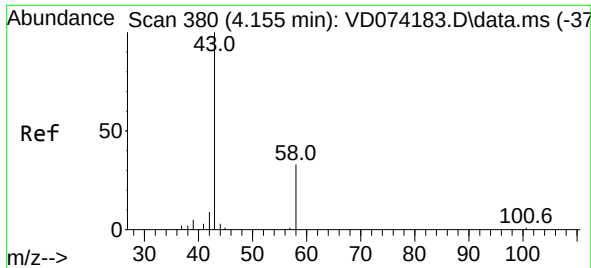
Tgt Ion:168 Resp: 71844
Ion Ratio Lower Upper
168 100
99 59.1 49.8 74.6



#11
Tert butyl alcohol
Concen: 11.965 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.018 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

Tgt Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

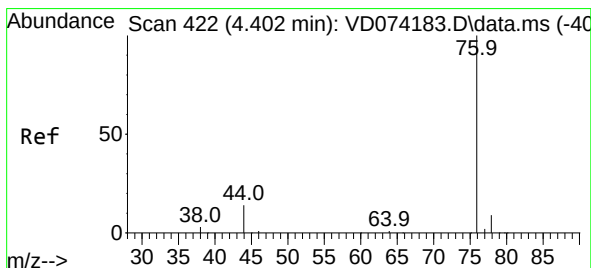
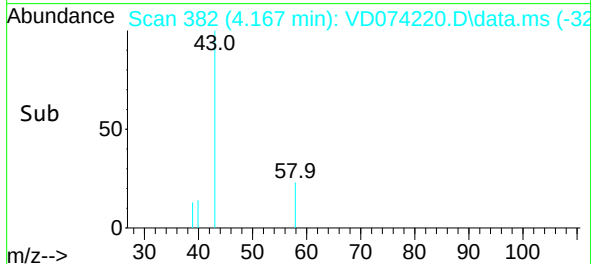
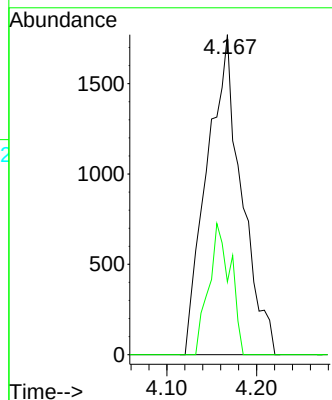
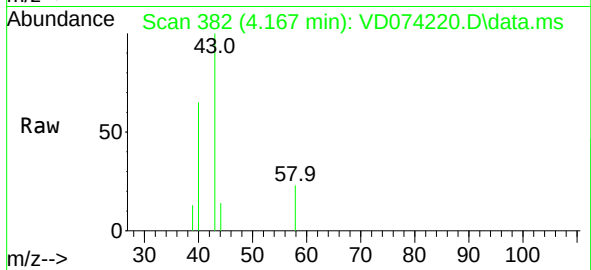




#16
Acetone
Concen: 33.847 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

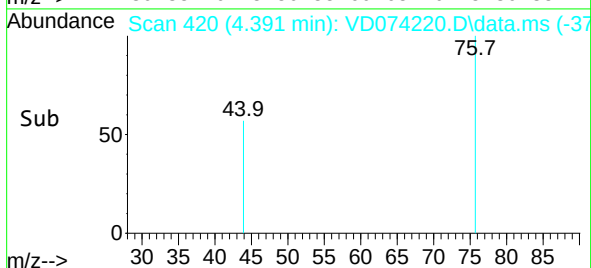
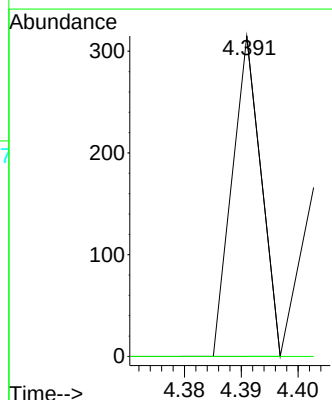
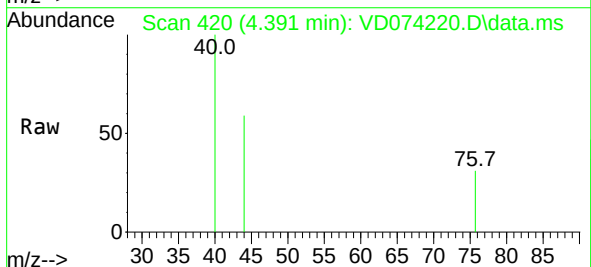
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(0-5)RE

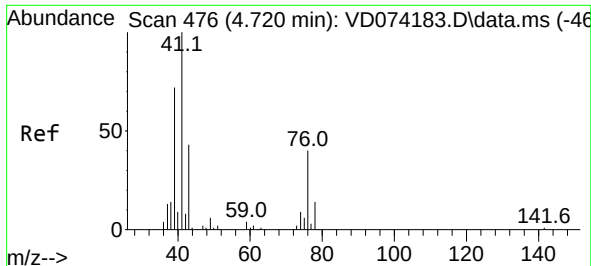
Tgt Ion: 43 Resp: 4734
Ion Ratio Lower Upper
43 100
58 22.8 22.1 33.1



#17
Carbon Disulfide
Concen: 2.059 ug/l
RT: 4.391 min Scan# 420
Delta R.T. -0.011 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

Tgt Ion: 76 Resp: 111
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

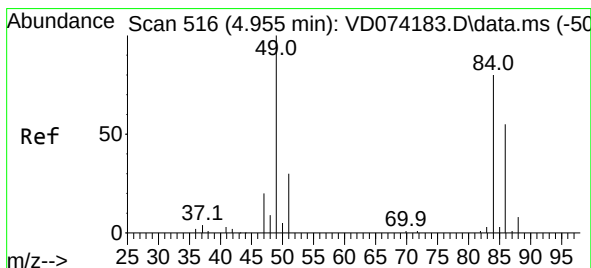
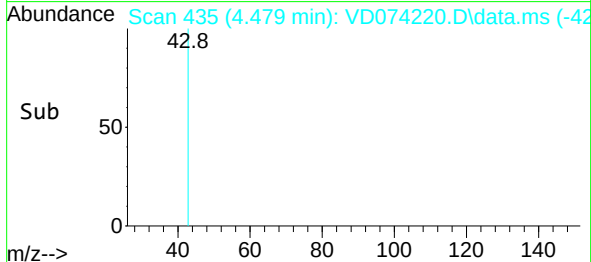
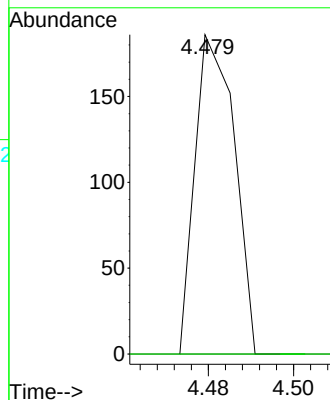
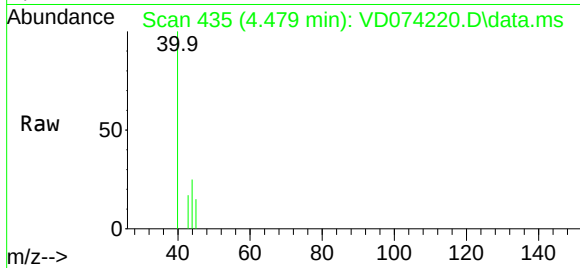




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. -0.241 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

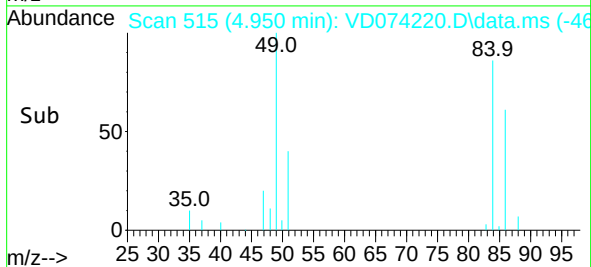
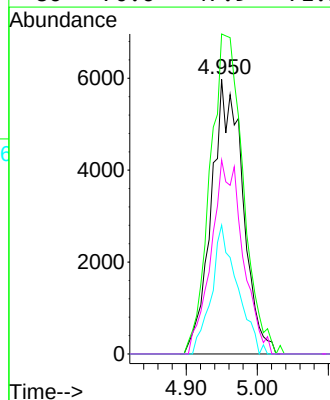
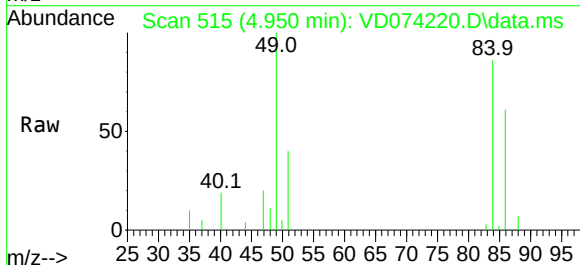
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(0-5)RE

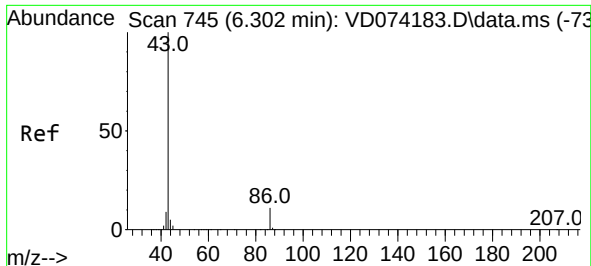
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 16.637 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

Tgt Ion: 84 Resp: 18312
Ion Ratio Lower Upper
84 100
49 116.5 112.8 169.2
51 46.9 32.6 48.8
86 70.6 47.9 71.9

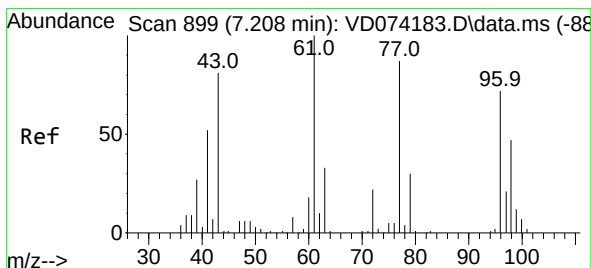
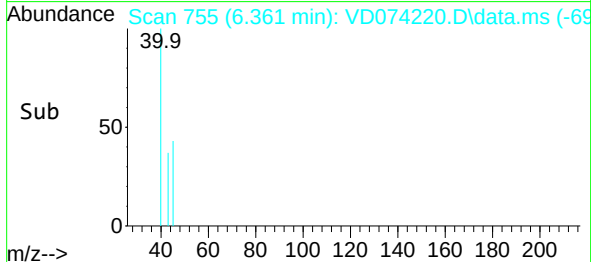
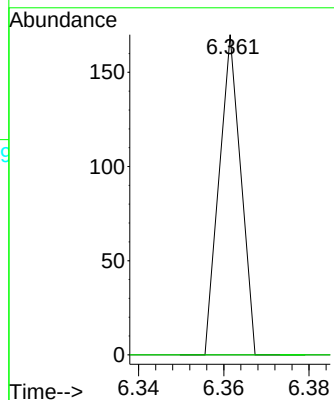
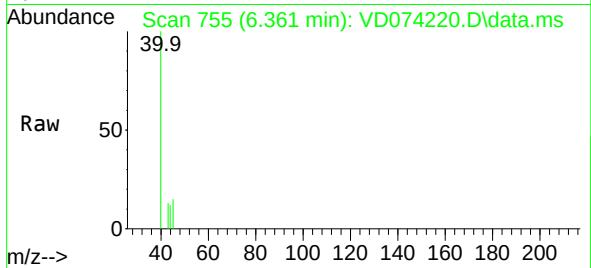




#23
 Vinyl Acetate
 Concen: 10.118 ug/l
 RT: 6.361 min Scan# 71
 Delta R.T. 0.059 min
 Lab File: VD074220.D
 Acq: 24 Aug 2022 13:40

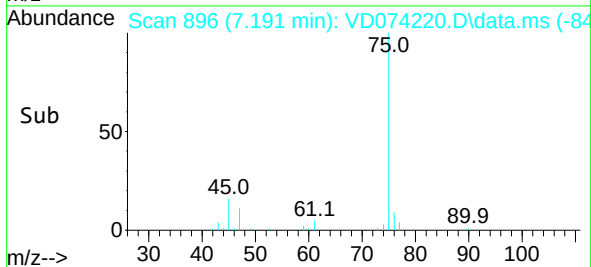
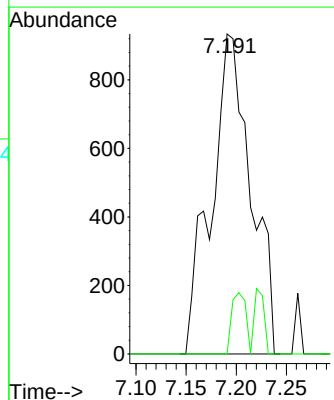
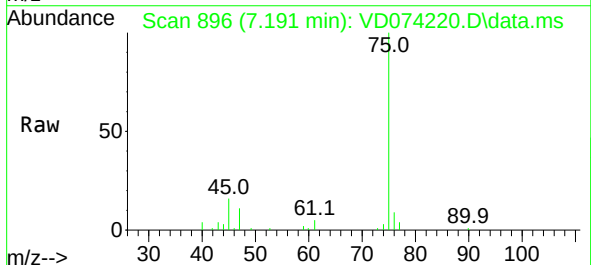
Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-4-(0-5)RE

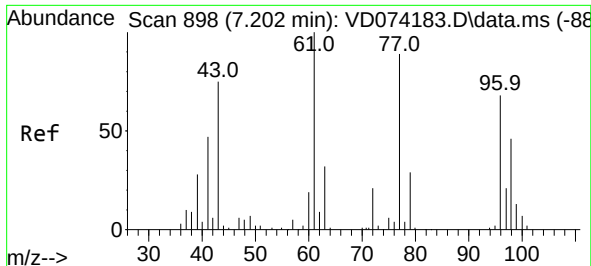
Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 11.846 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.017 min
 Lab File: VD074220.D
 Acq: 24 Aug 2022 13:40

Tgt Ion: 43 Resp: 2565
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.793 ug/l

RT: 7.191 min Scan# 89

Delta R.T. -0.011 min

Lab File: VD074220.D

Acq: 24 Aug 2022 13:40

Instrument :

MSVOA_D

ClientSampleId :

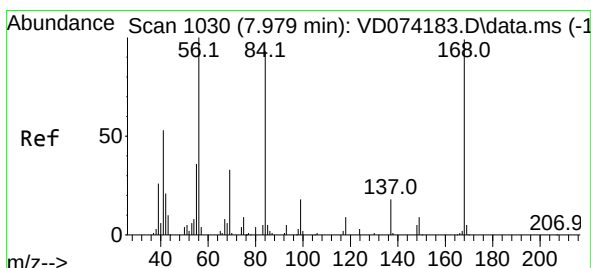
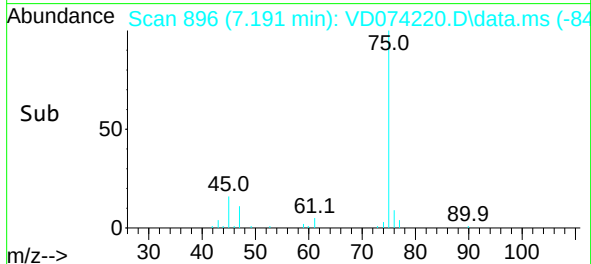
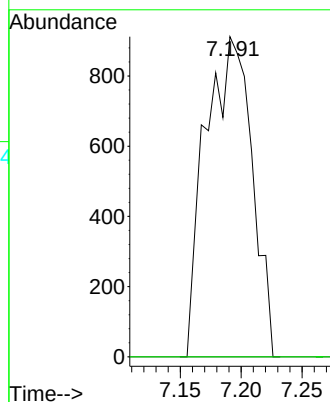
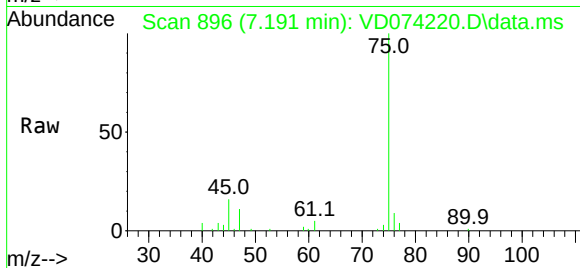
SASP2-T-4-(0-5)RE

Tgt Ion: 77 Resp: 2424

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.411 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD074220.D

Acq: 24 Aug 2022 13:40

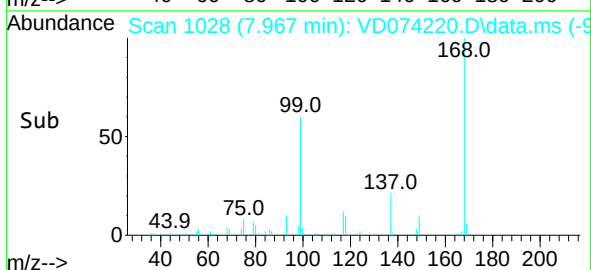
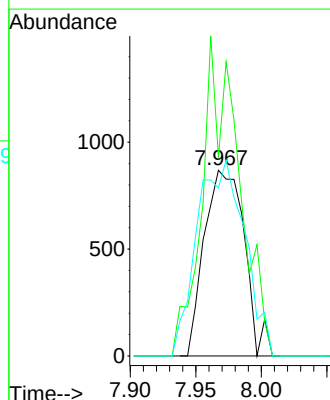
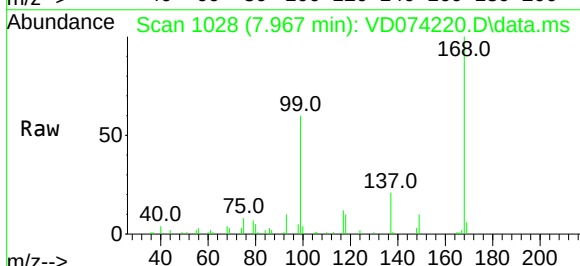
Tgt Ion: 56 Resp: 1844

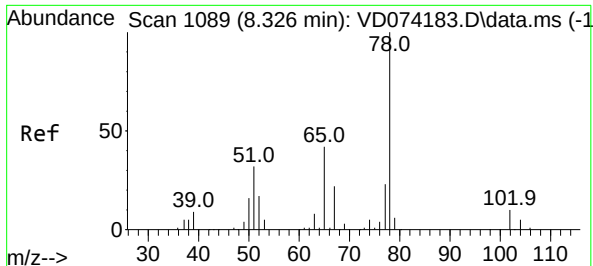
Ion Ratio Lower Upper

56 100

69 106.9 25.4 38.2#

84 90.4 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 51.548 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD074220.D

Acq: 24 Aug 2022 13:40

Instrument :

MSVOA_D

ClientSampleId :

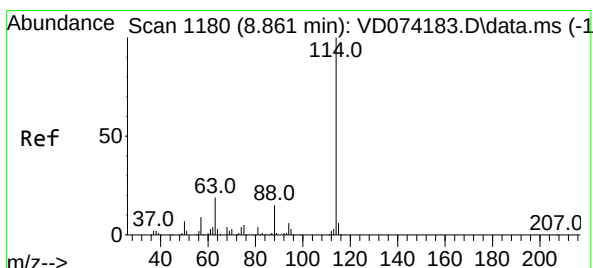
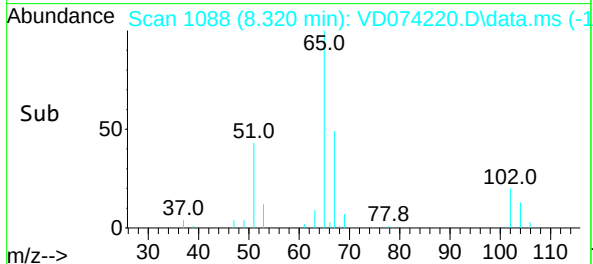
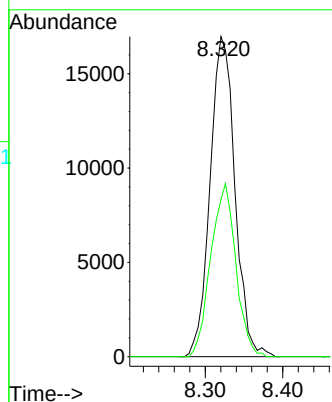
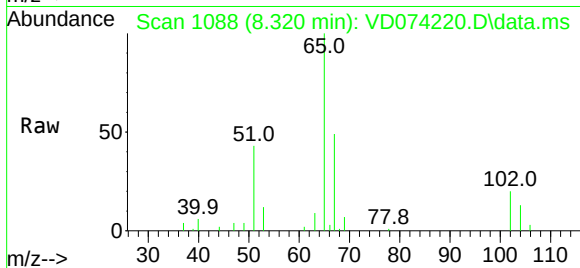
SASP2-T-4-(0-5)RE

Tgt Ion: 65 Resp: 37843

Ion Ratio Lower Upper

65 100

67 54.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD074220.D

Acq: 24 Aug 2022 13:40

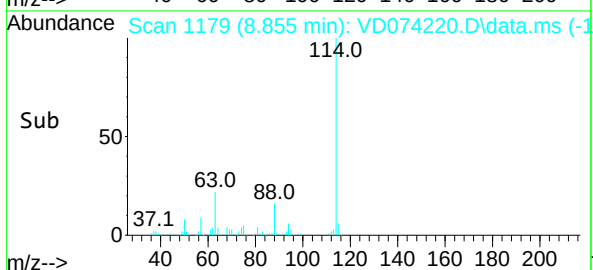
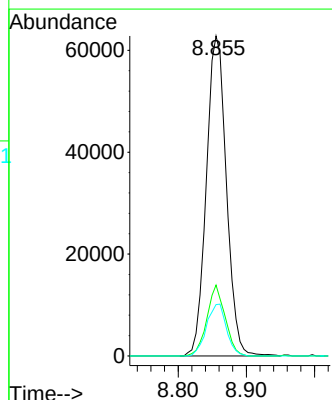
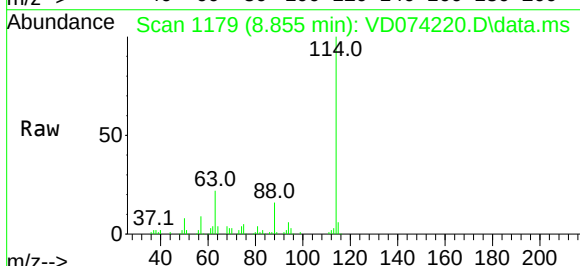
Tgt Ion: 114 Resp: 128804

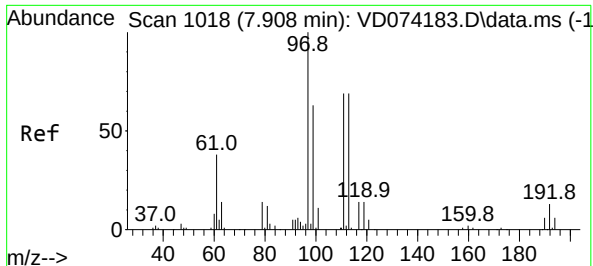
Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.563 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD074220.D

Acq: 24 Aug 2022 13:40

Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-4-(0-5)RE

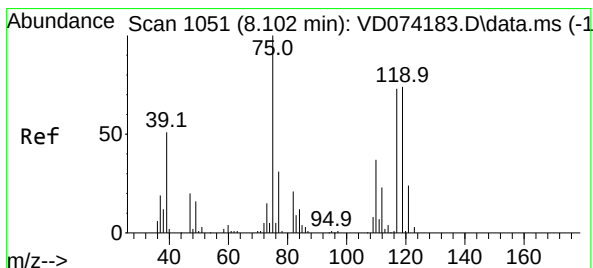
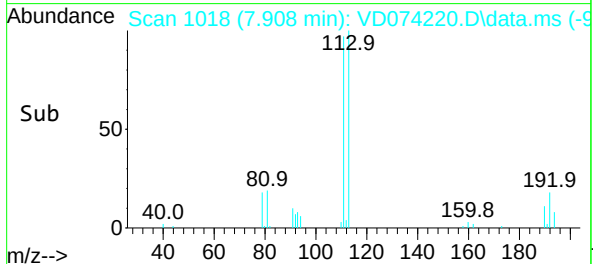
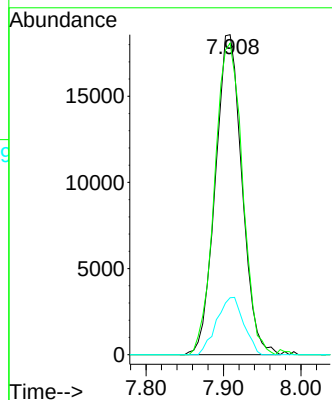
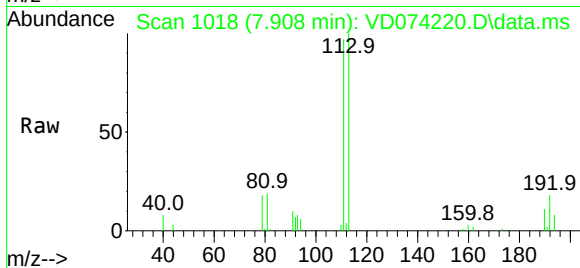
Tgt Ion:113 Resp: 44424

Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 18.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.508 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.123 min

Lab File: VD074220.D

Acq: 24 Aug 2022 13:40

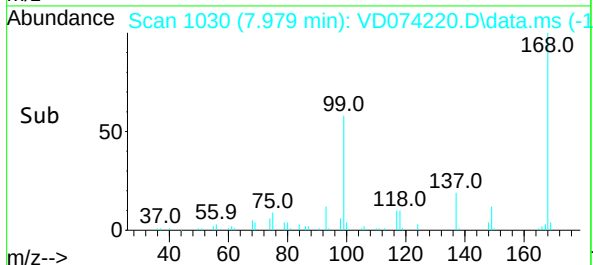
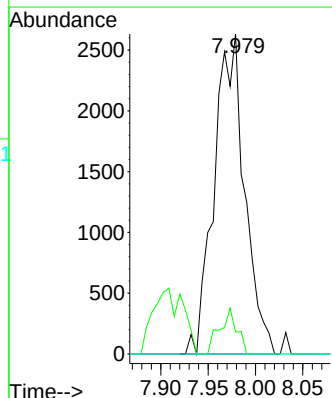
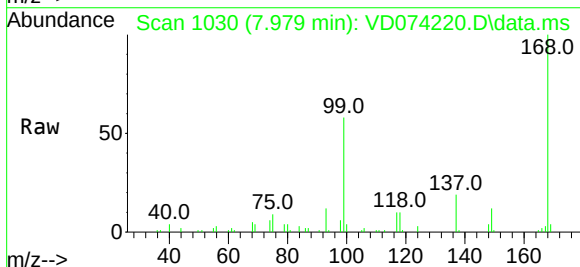
Tgt Ion: 75 Resp: 5870

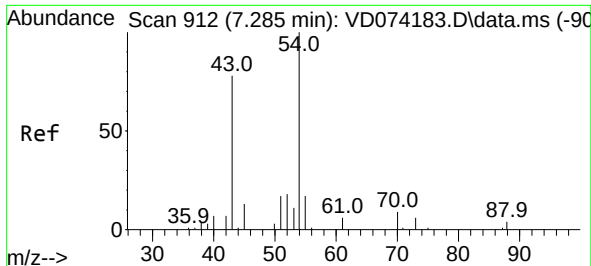
Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 4.996 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.094 min

Lab File: VD074220.D

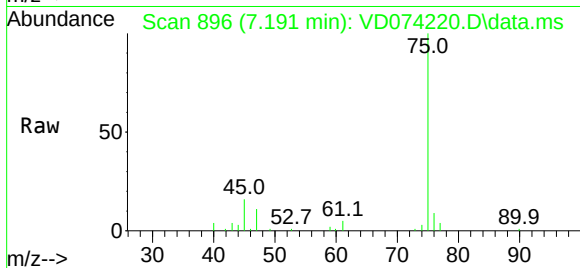
Acq: 24 Aug 2022 13:40

Instrument :

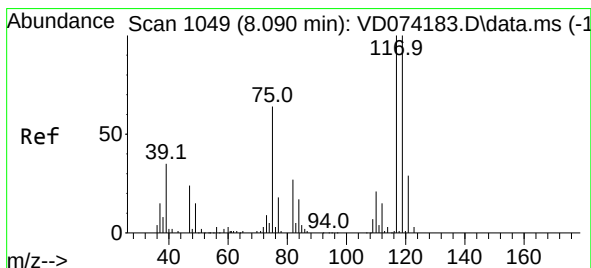
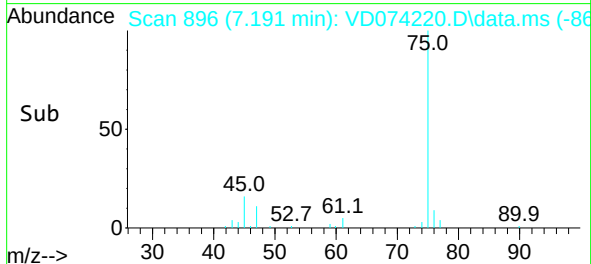
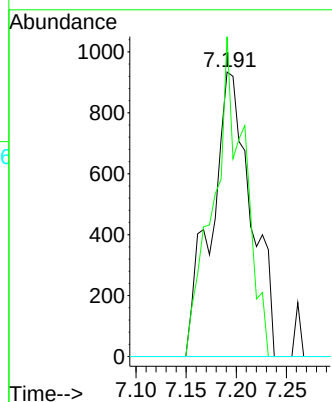
MSVOA_D

ClientSampleId :

SASP2-T-4-(0-5)RE



Tgt Ion:	43	Resp:	2565
Ion Ratio	Lower	Upper	
43	100		
61	88.7	9.8	14.8#
70	0.0	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 5.455 ug/l

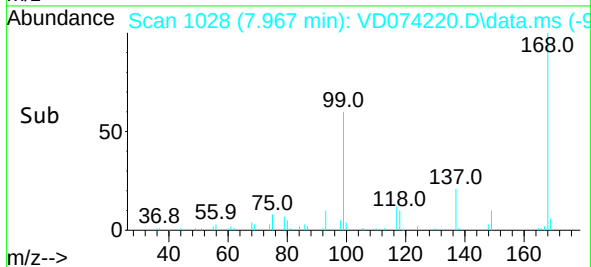
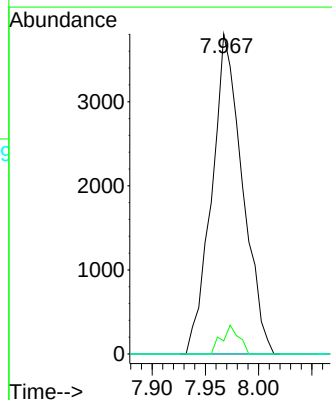
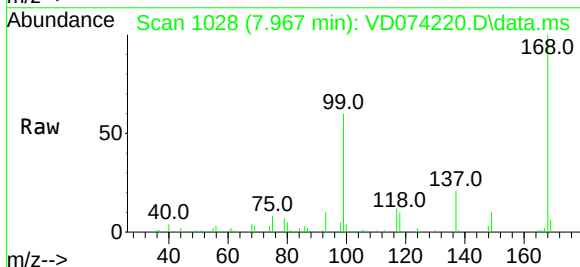
RT: 7.967 min Scan# 1028

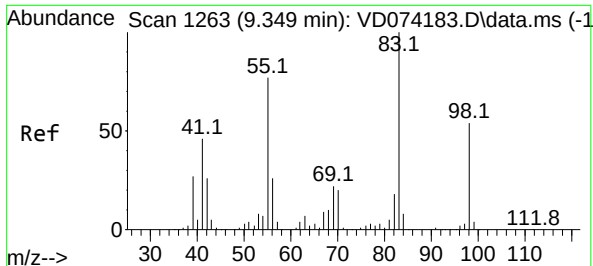
Delta R.T. -0.123 min

Lab File: VD074220.D

Acq: 24 Aug 2022 13:40

Tgt Ion:	117	Resp:	7631
Ion Ratio	Lower	Upper	
117	100		
119	4.1	75.8	113.6#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 2.329 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VD074220.D

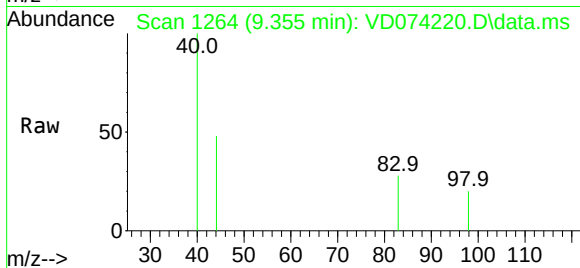
Acq: 24 Aug 2022 13:40

Instrument :

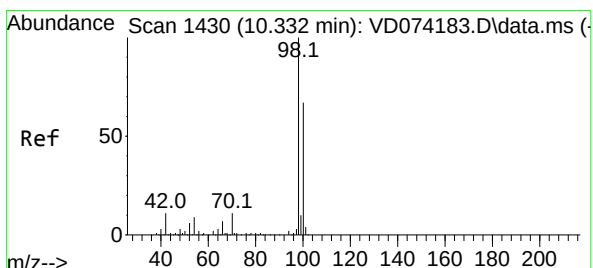
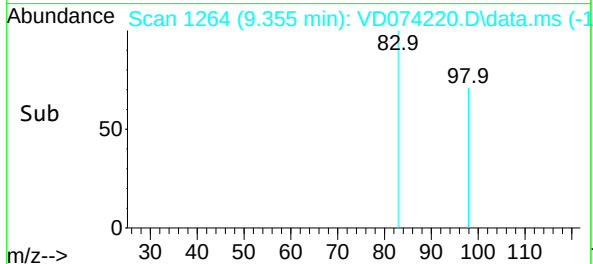
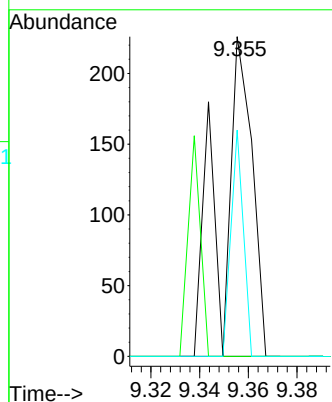
MSVOA_D

ClientSampleId :

SASP2-T-4-(0-5)RE



Tgt Ion: 83	Resp:	197
Ion Ratio	Lower	Upper
83	100	
55	0.0	63.2 94.8#
98	70.8	38.2 57.4#



#50

Toluene-d8

Concen: 28.200 ug/l

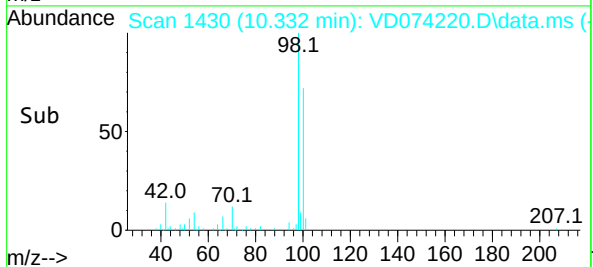
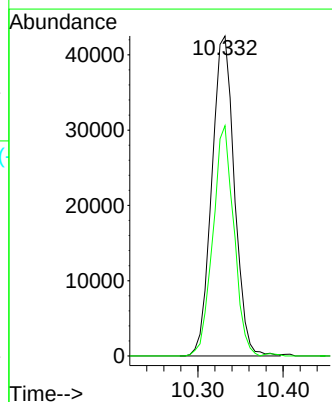
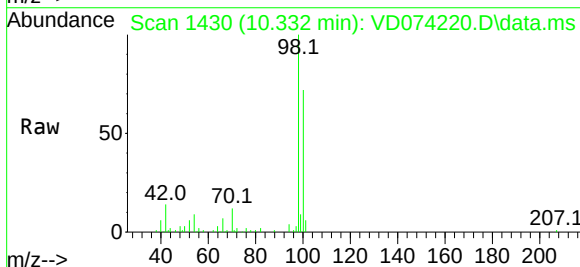
RT: 10.332 min Scan# 1430

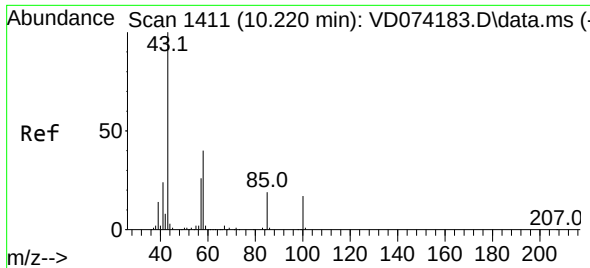
Delta R.T. -0.000 min

Lab File: VD074220.D

Acq: 24 Aug 2022 13:40

Tgt Ion: 98	Resp:	78193
Ion Ratio	Lower	Upper
98	100	
100	66.7	52.4 78.6

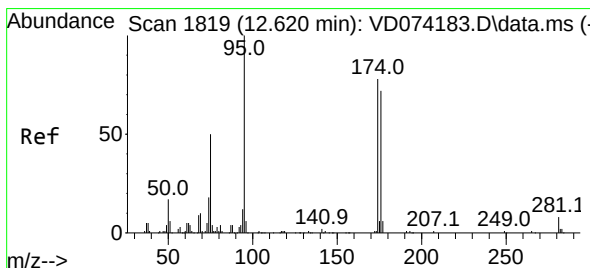
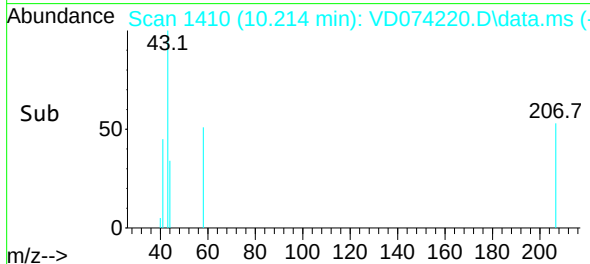
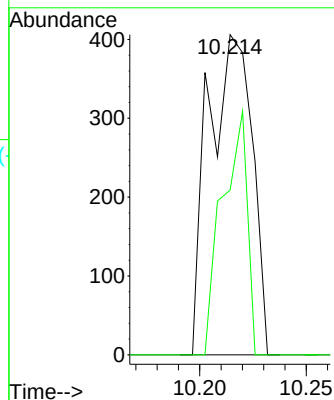
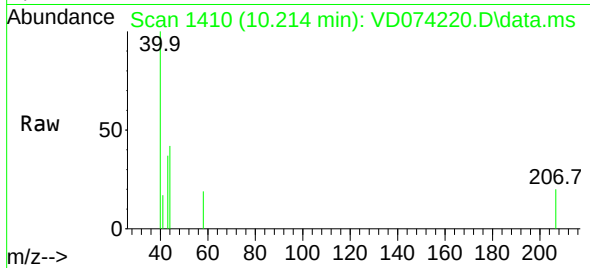




#51
4-Methyl-2-Pentanone
Concen: 1.124 ug/l
RT: 10.214 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

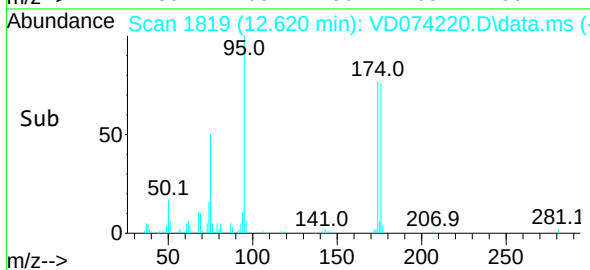
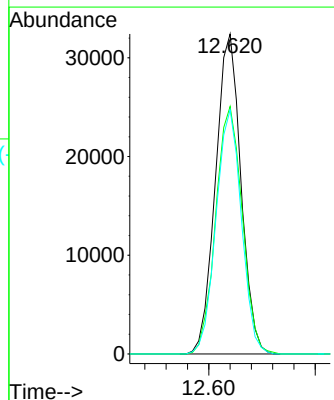
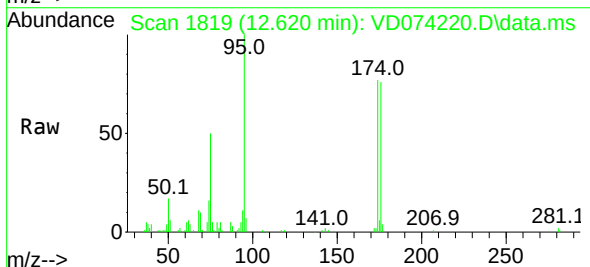
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(0-5)RE

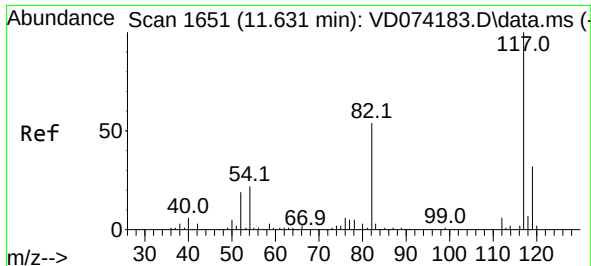
Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
58 43.4 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 48.890 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

Tgt Ion: 95 Resp: 53555
Ion Ratio Lower Upper
95 100
174 80.8 0.0 152.8
176 76.1 0.0 145.4

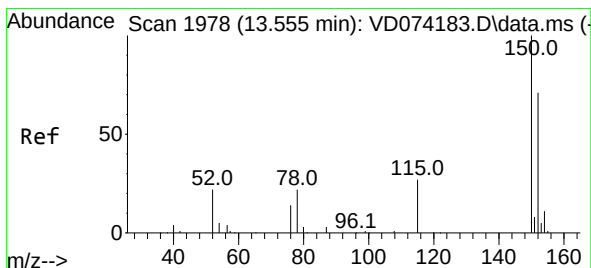
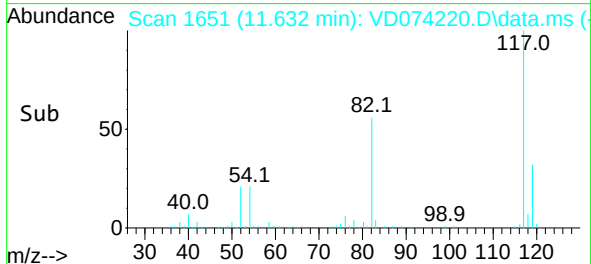
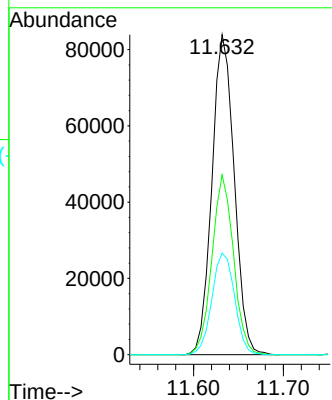
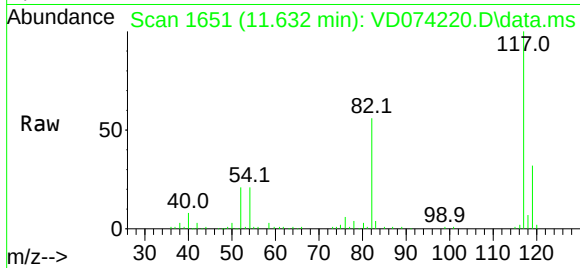




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1170
Delta R.T. 0.001 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

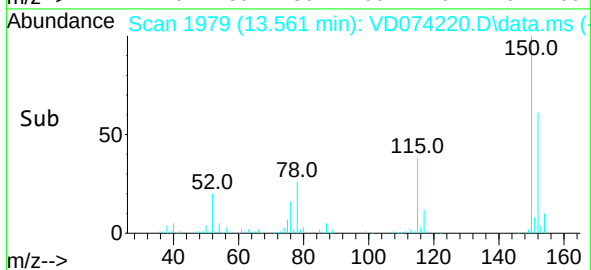
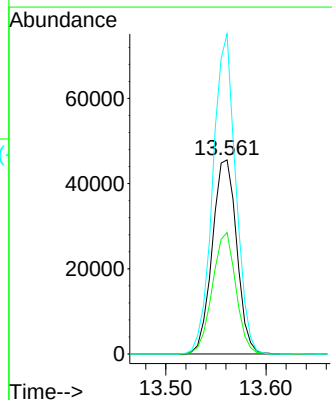
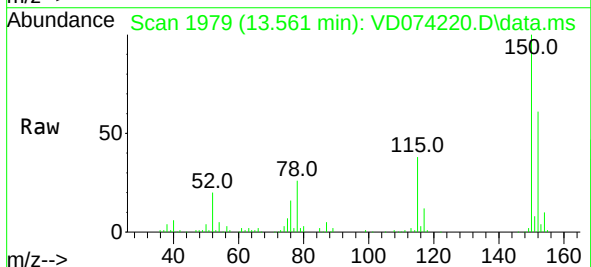
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(0-5)RE

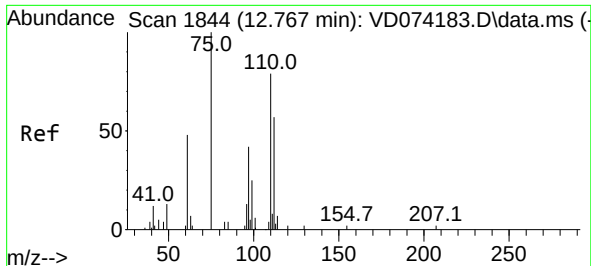
Tgt Ion:117 Resp: 144833
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 31.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

Tgt Ion:152 Resp: 77280
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 154.4 0.0 348.6

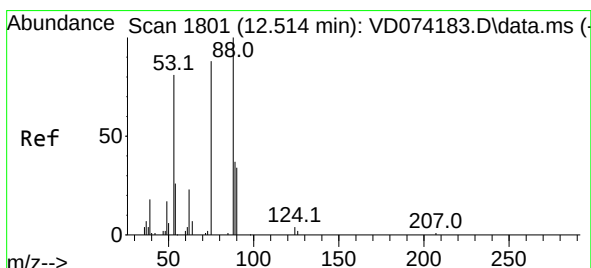
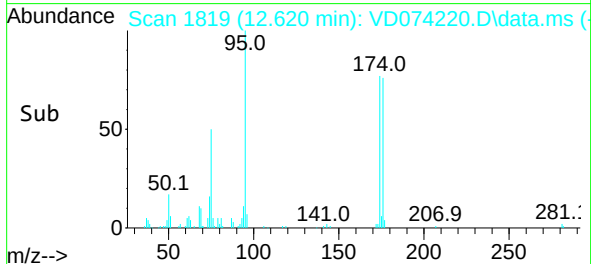
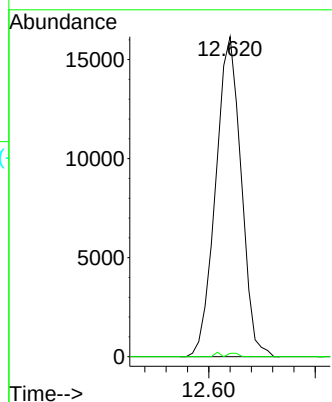
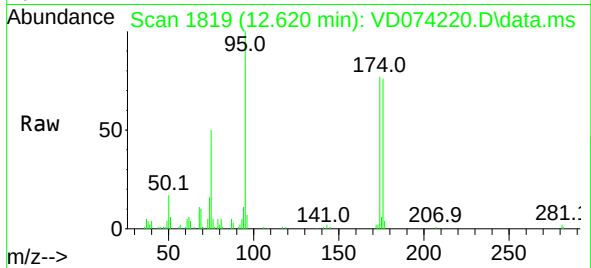




#76
1,2,3-Trichloropropane
Concen: 35.551 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

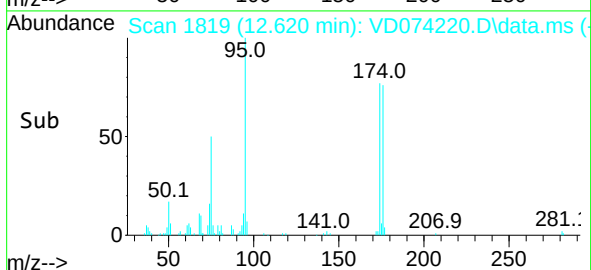
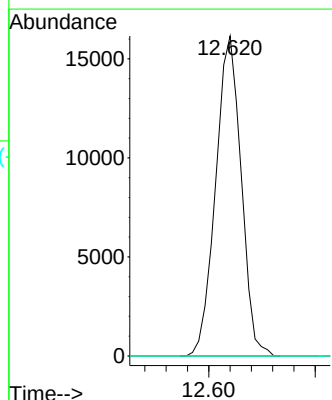
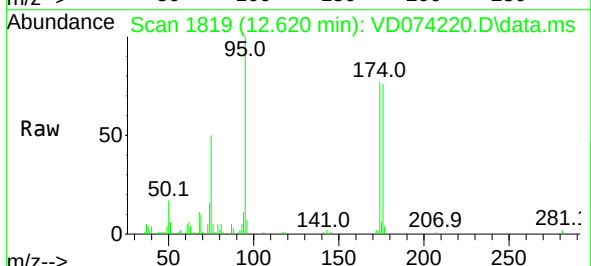
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(0-5)RE

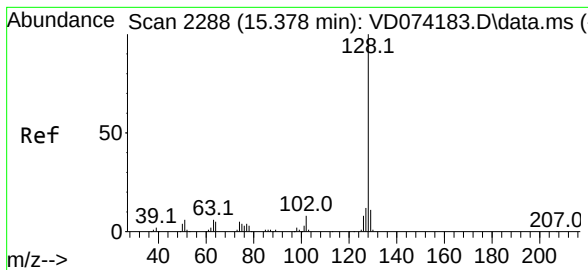
Tgt Ion: 75 Resp: 26826
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.424 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074220.D
Acq: 24 Aug 2022 13:40

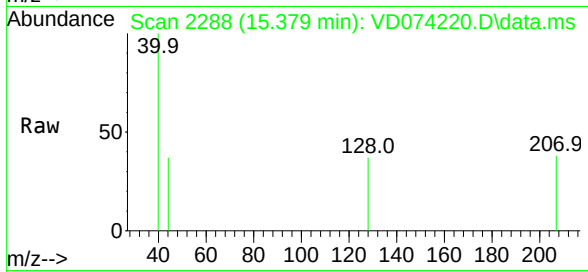
Tgt Ion: 75 Resp: 26826
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
 Naphthalene
 Concen: 3.662 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: VD074220.D
 Acq: 24 Aug 2022 13:40

Instrument : MSVOA_D
 ClientSampleId : SASP2-T-4-(0-5)RE



Tgt Ion:	128	Resp:	726
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

