

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010239.D
 Acq On : 31 Aug 2022 12:46
 Operator : KP/MD
 Sample : N4398-01
 Misc : 4.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ROCK-FINES-QA/QC-COMP

Quant Time: Aug 31 14:45:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

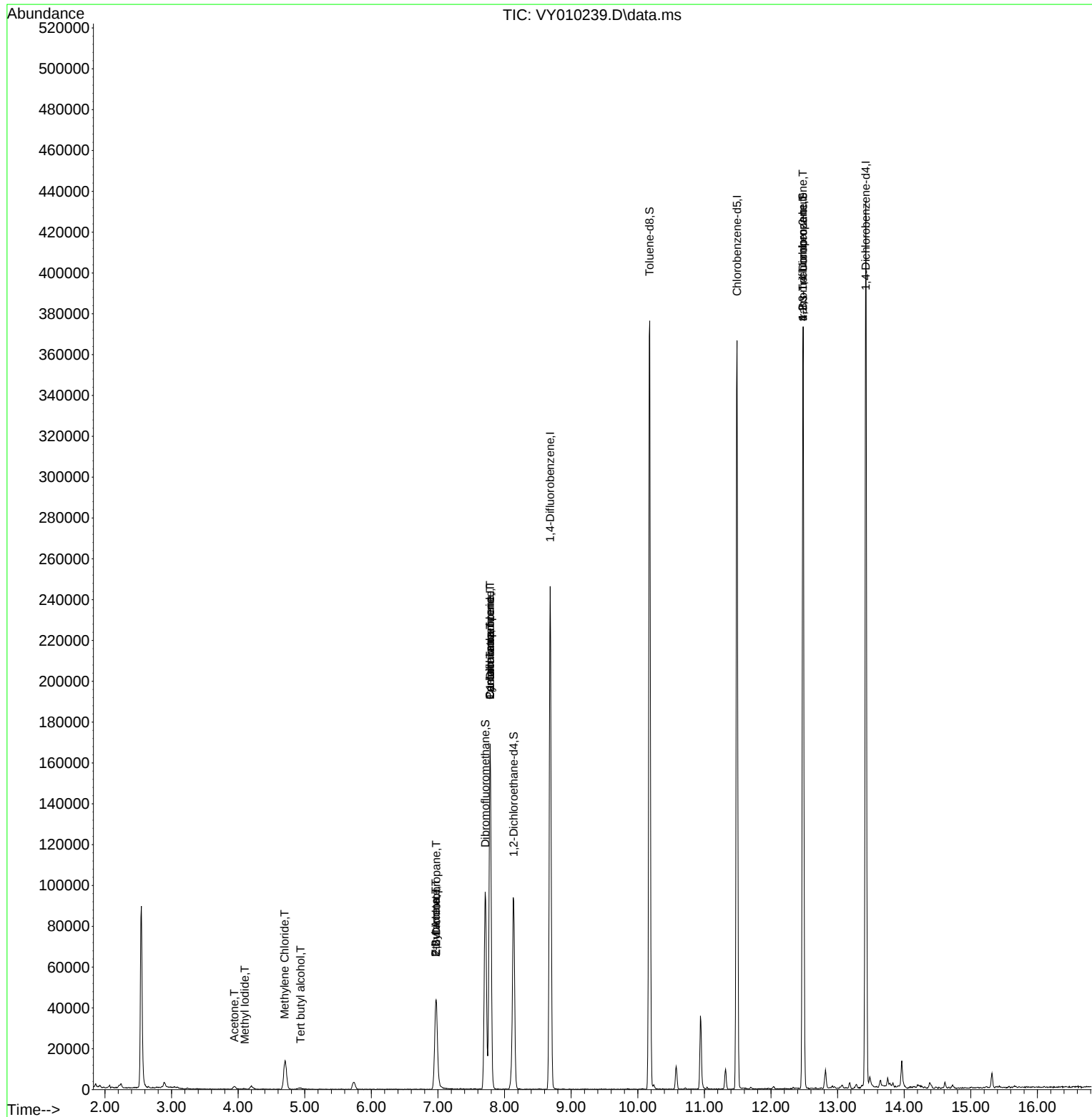
Internal Standards						
1) Pentafluorobenzene	7.783	168	142124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	222556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	212528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	72525	60.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.220%	
35) Dibromofluoromethane	7.710	113	68110	53.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.540%	
50) Toluene-d8	10.179	98	255920	53.829	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.660%	
62) 4-Bromofluorobenzene	12.477	95	106562	60.097	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.200%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.101	142	462	1.700	ug/l #	78
11) Tert butyl alcohol	4.936	59	1438	12.011	ug/l #	77
16) Acetone	3.942	43	2531	10.060	ug/l #	82
20) Methylene Chloride	4.698	84	11188	7.552	ug/l #	75
25) 2-Butanone	6.966	43	2358	5.442	ug/l	97
26) 2,2-Dichloropropane	6.972	77	3399	1.662	ug/l #	55
31) Cyclohexane	7.783	56	2250	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8876	4.573	ug/l #	52
37) Ethyl Acetate	6.966	43	2358	2.305	ug/l #	1
38) Carbon Tetrachloride	7.783	117	12415	5.575	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	50799	43.789	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50799	91.359	ug/l #	7

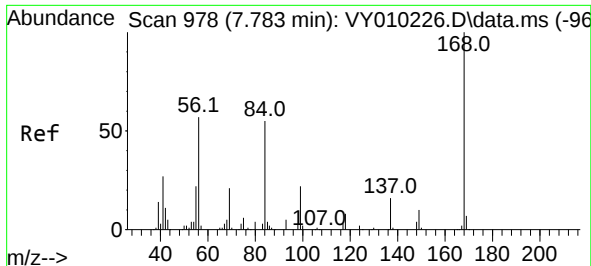
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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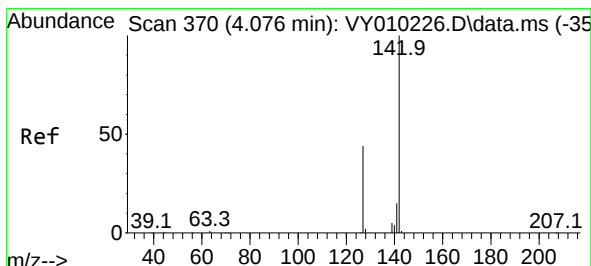
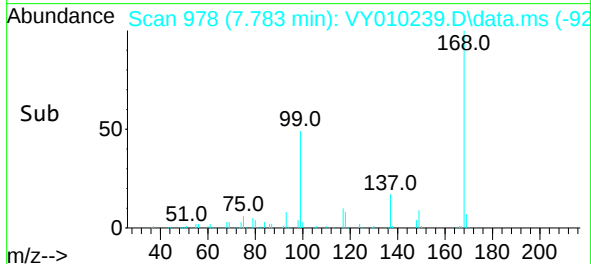
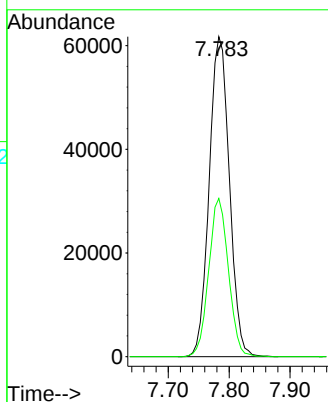
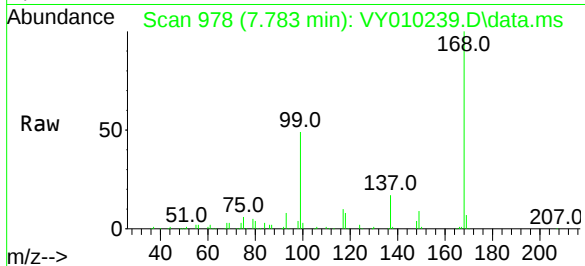




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

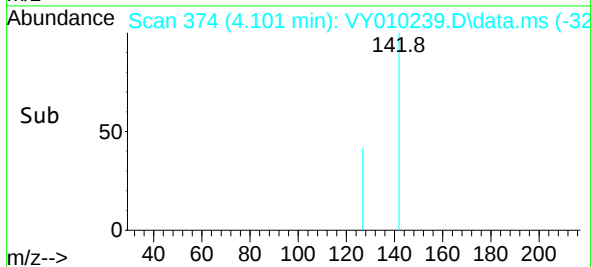
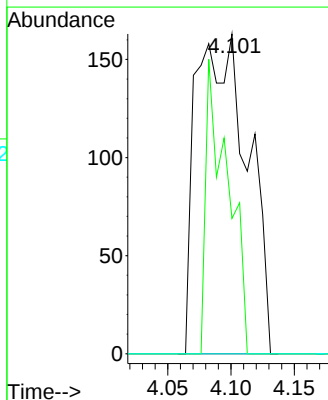
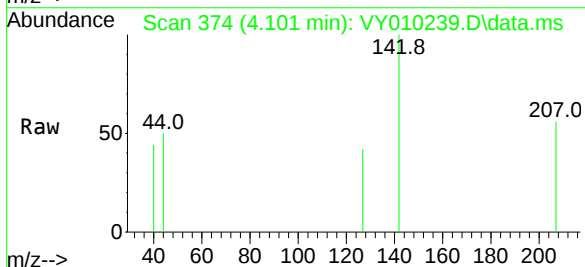
Instrument :
MSVOA_Y
ClientSampleId :
ROCK-FINES-QA/QC-COMP

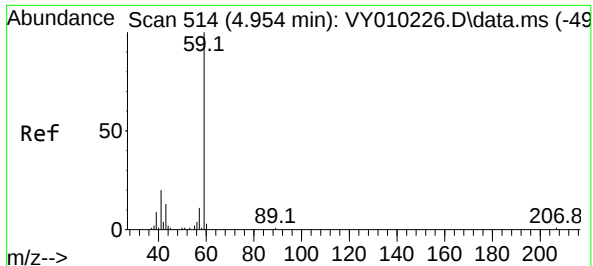
Tgt Ion:168 Resp: 142124
Ion Ratio Lower Upper
168 100
99 49.5 46.9 70.3



#10
Methyl Iodide
Concen: 1.700 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.025 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

Tgt Ion:142 Resp: 462
Ion Ratio Lower Upper
142 100
127 39.2 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 12.011 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.018 min

Lab File: VY010239.D

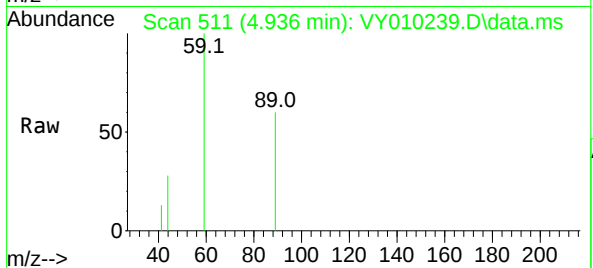
Acq: 31 Aug 2022 12:46

Instrument :

MSVOA_Y

ClientSampleId :

ROCK-FINES-QA/QC-COMP

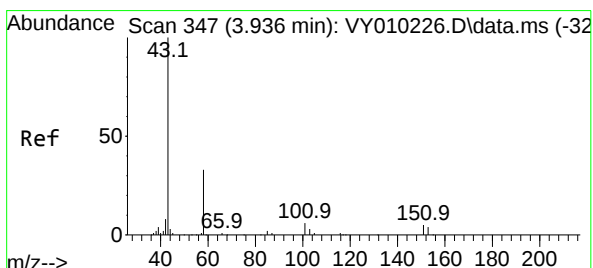
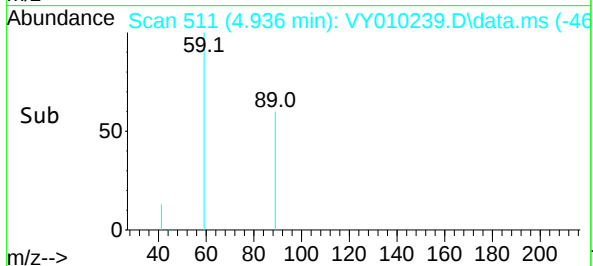
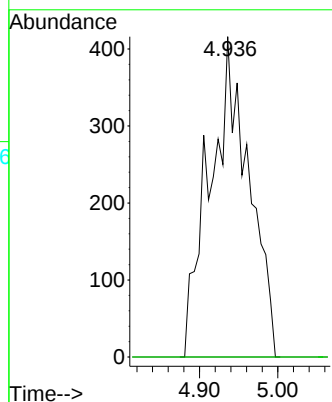


Tgt Ion: 59 Resp: 1438

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 10.060 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY010239.D

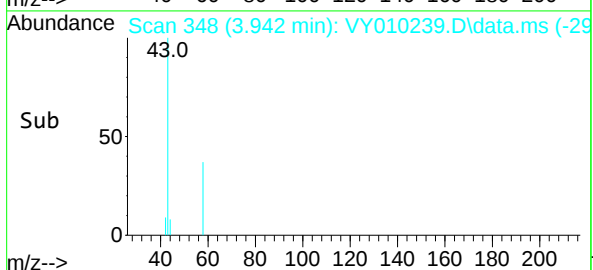
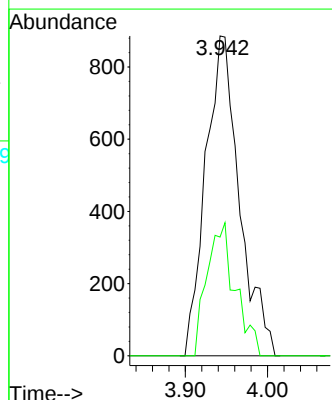
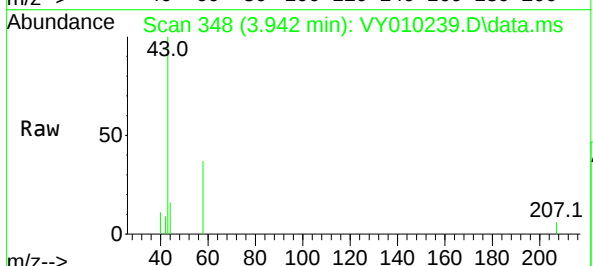
Acq: 31 Aug 2022 12:46

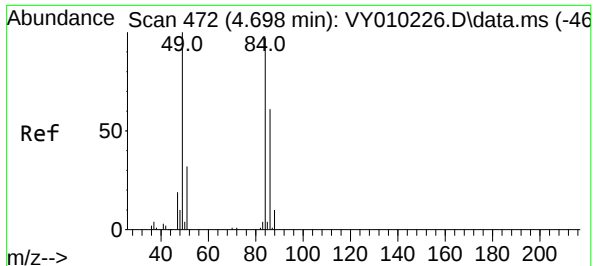
Tgt Ion: 43 Resp: 2531

Ion Ratio Lower Upper

43 100

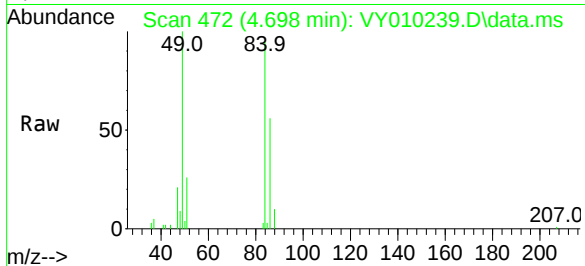
58 37.1 22.0 33.0#



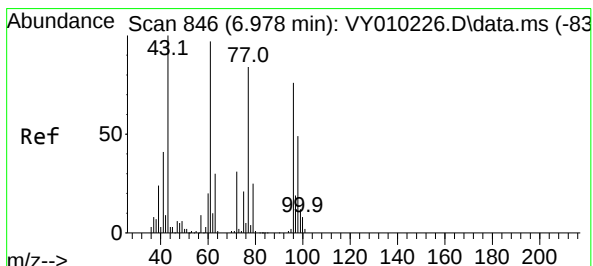
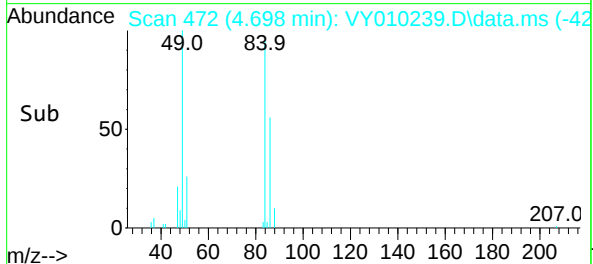
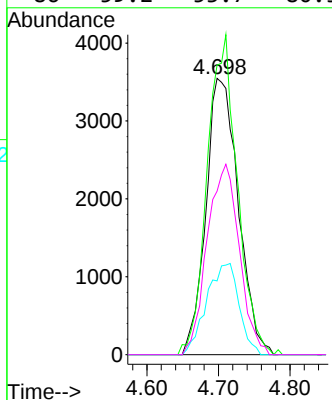


#20
Methylene Chloride
Concen: 7.552 ug/l
RT: 4.698 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

Instrument :
MSVOA_Y
ClientSampleId :
ROCK-FINES-QA/QC-COMP

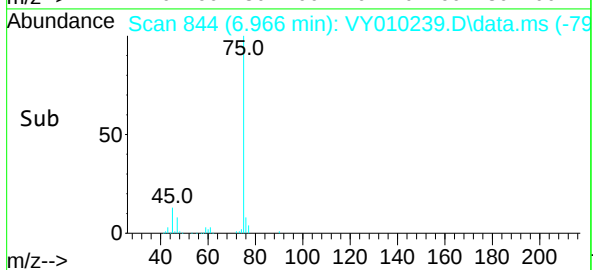
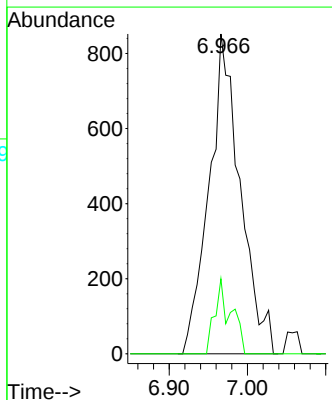
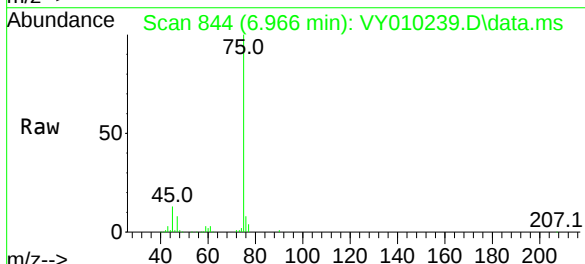


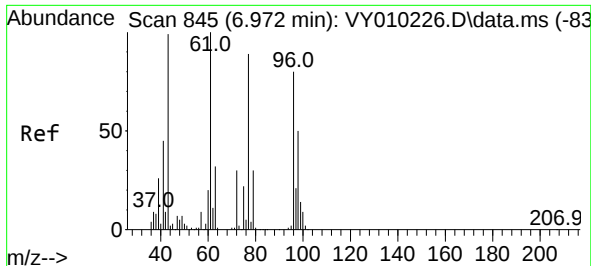
Tgt Ion: 84 Resp: 11188
Ion Ratio Lower Upper
84 100
49 104.8 114.4 171.6#
51 26.7 35.3 52.9#
86 59.2 53.7 80.5



#25
2-Butanone
Concen: 5.442 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

Tgt Ion: 43 Resp: 2358
Ion Ratio Lower Upper
43 100
72 23.5 17.7 26.5





#26

2,2-Dichloropropane

Concen: 1.662 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY010239.D

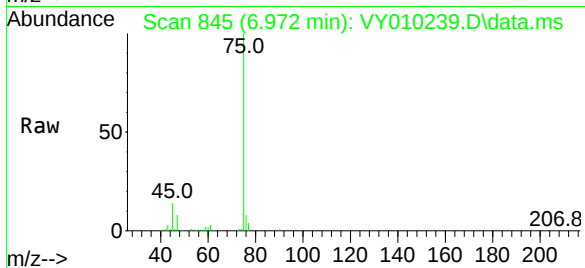
Acq: 31 Aug 2022 12:46

Instrument :

MSVOA_Y

ClientSampleId :

ROCK-FINES-QA/QC-COMP

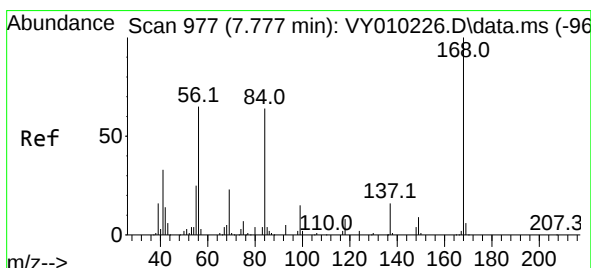
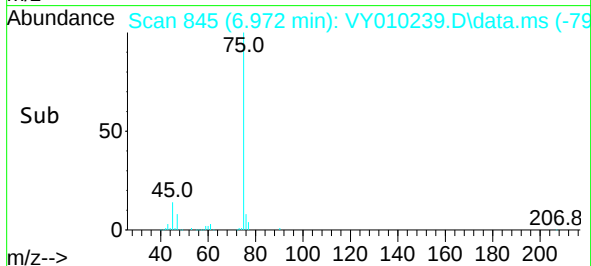
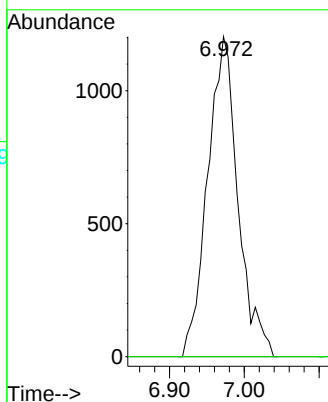


Tgt Ion: 77 Resp: 3399

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.053 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010239.D

Acq: 31 Aug 2022 12:46

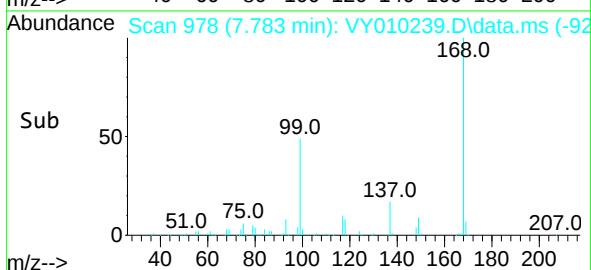
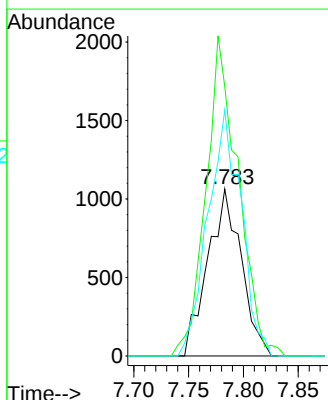
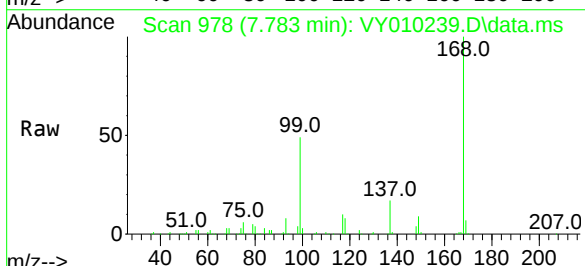
Tgt Ion: 56 Resp: 2250

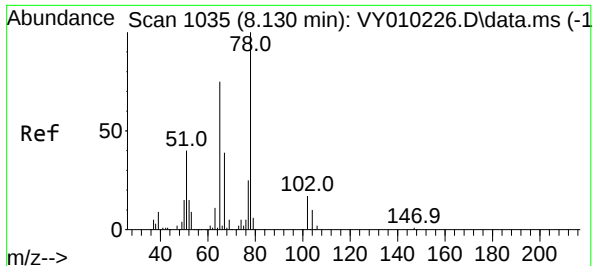
Ion Ratio Lower Upper

56 100

69 156.5 26.7 40.1#

84 147.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 60.613 ug/l

RT: 8.137 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY010239.D

Acq: 31 Aug 2022 12:46

Instrument :

MSVOA_Y

ClientSampleId :

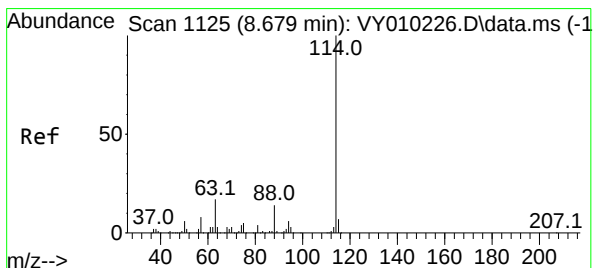
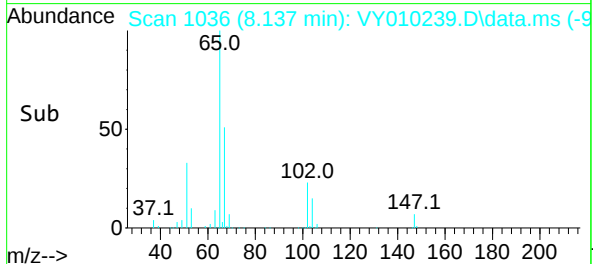
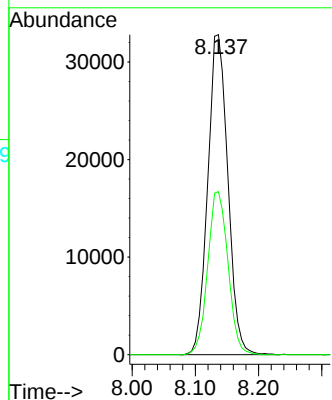
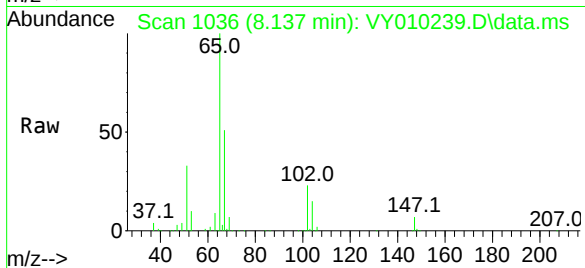
ROCK-FINES-QA/QC-COMP

Tgt Ion: 65 Resp: 72525

Ion Ratio Lower Upper

65 100

67 51.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010239.D

Acq: 31 Aug 2022 12:46

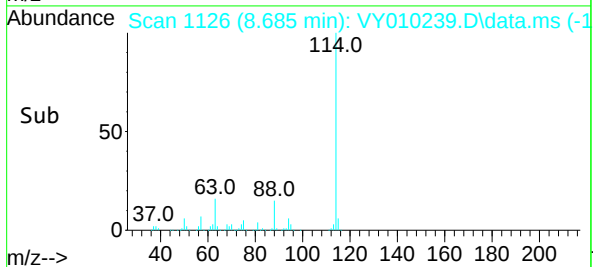
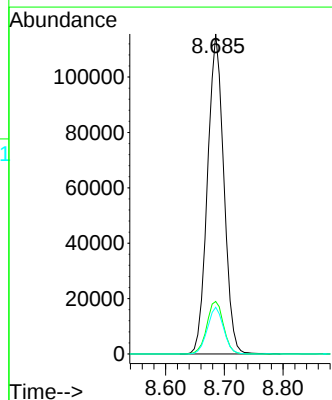
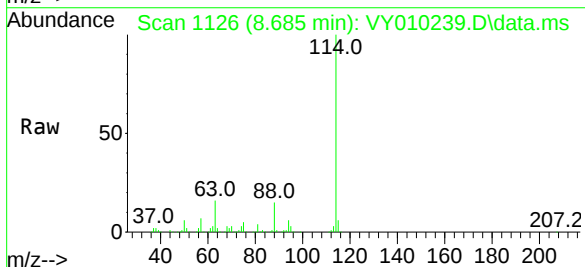
Tgt Ion: 114 Resp: 222556

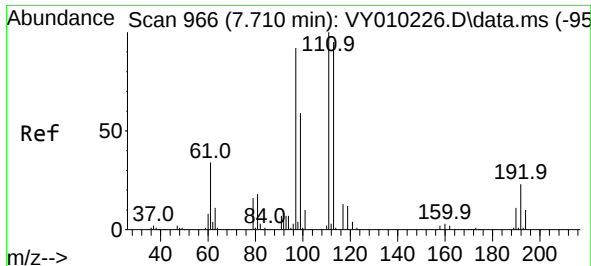
Ion Ratio Lower Upper

114 100

63 16.4 0.0 43.2

88 14.6 0.0 31.8

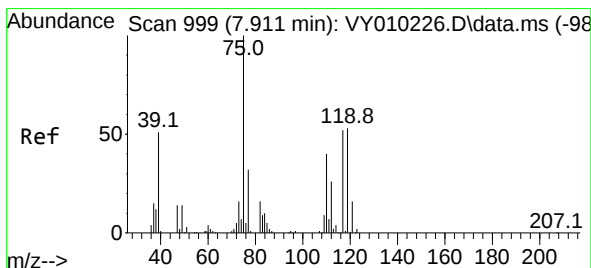
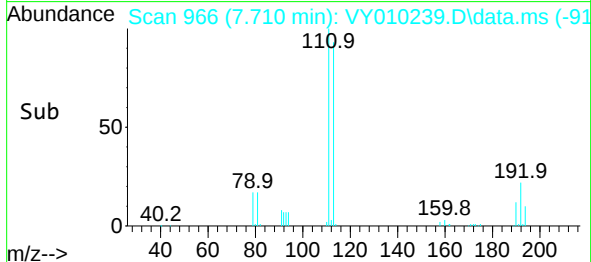
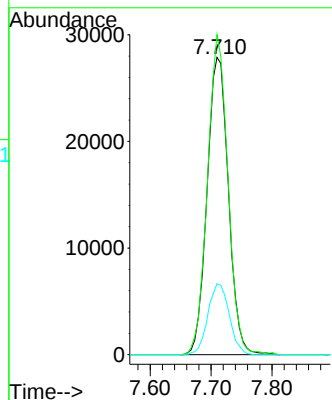
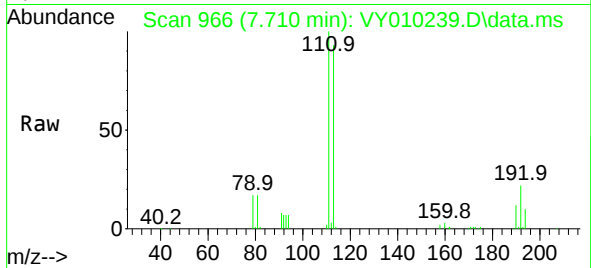




#35
Dibromofluoromethane
Concen: 53.273 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

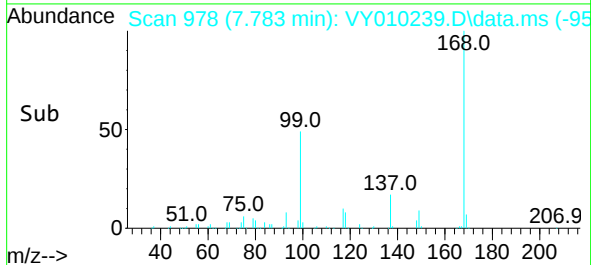
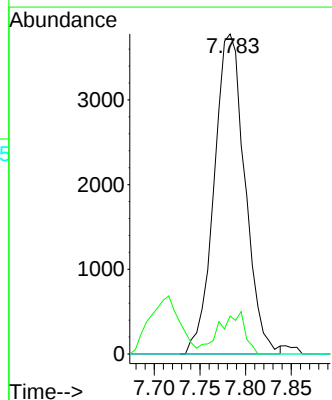
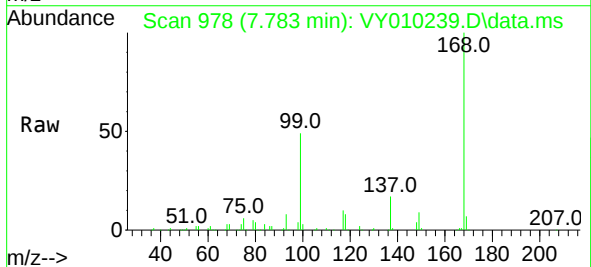
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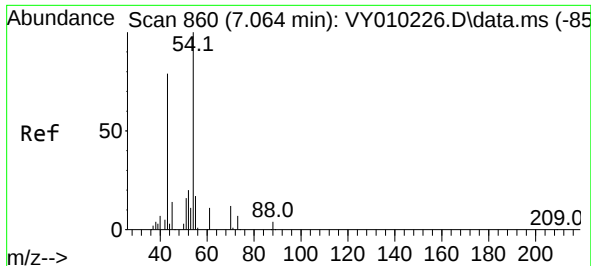
Tgt Ion:113 Resp: 68110
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 23.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.573 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

Tgt Ion: 75 Resp: 8876
Ion Ratio Lower Upper
75 100
110 11.1 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.305 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY010239.D

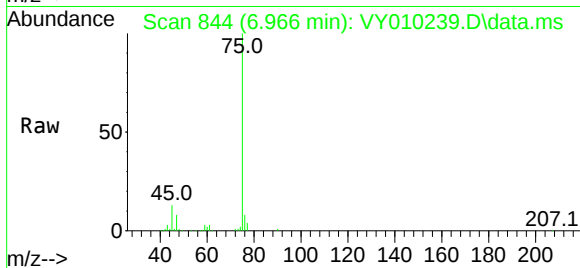
Acq: 31 Aug 2022 12:46

Instrument :

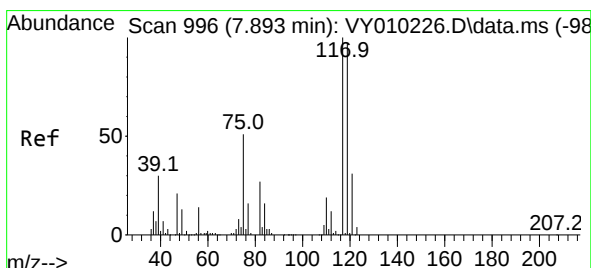
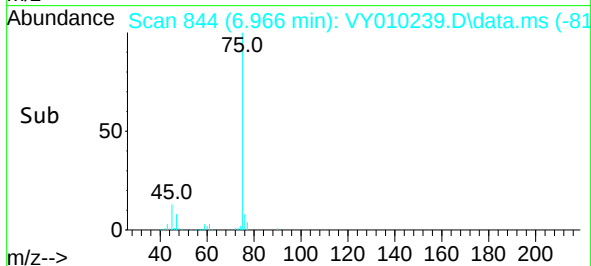
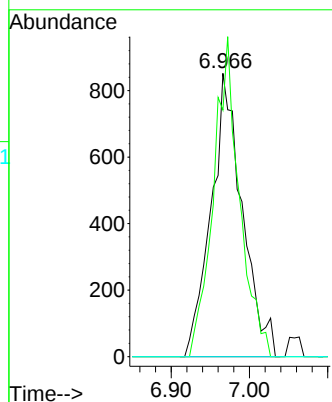
MSVOA_Y

ClientSampleId :

ROCK-FINES-QA/QC-COMP



Tgt Ion:	43	Resp:	2358
Ion	Ratio	Lower	Upper
43	100		
61	94.3	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.575 ug/l

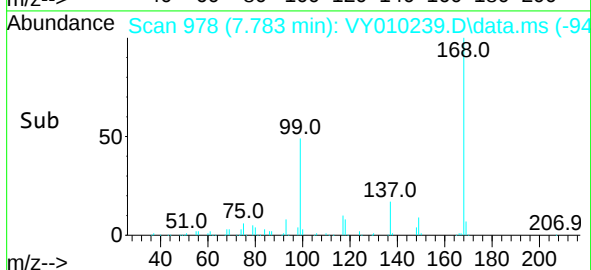
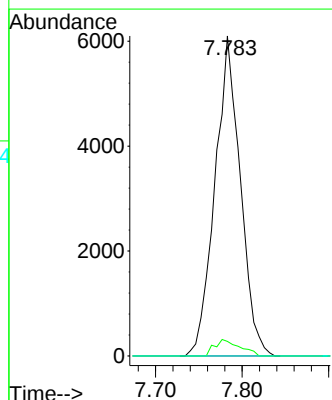
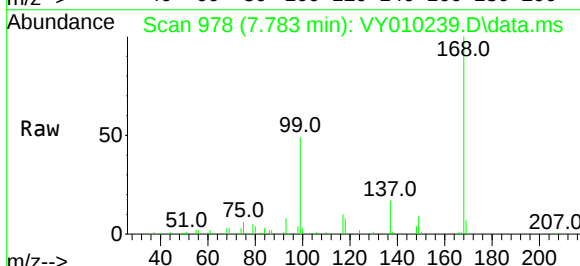
RT: 7.783 min Scan# 978

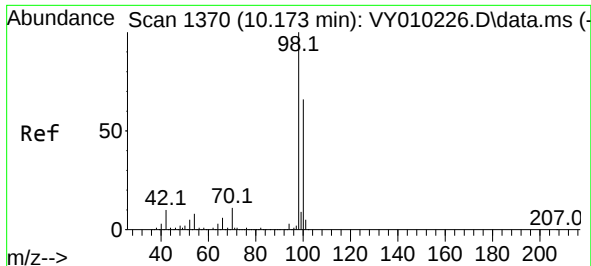
Delta R.T. -0.110 min

Lab File: VY010239.D

Acq: 31 Aug 2022 12:46

Tgt Ion:	117	Resp:	12415
Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.9	116.9#
121	0.0	24.8	37.2#

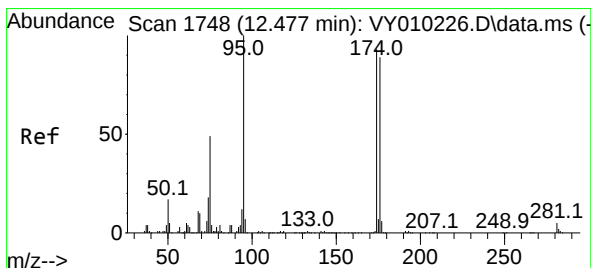
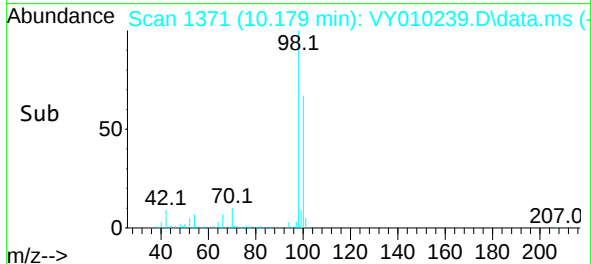
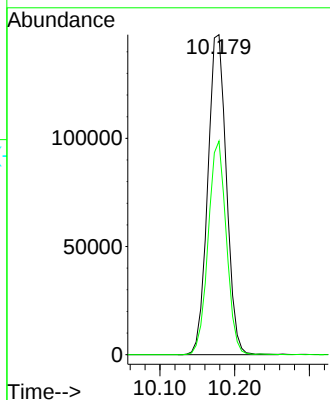
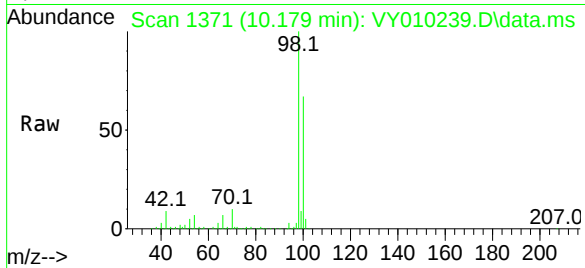




#50
Toluene-d8
Concen: 53.829 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

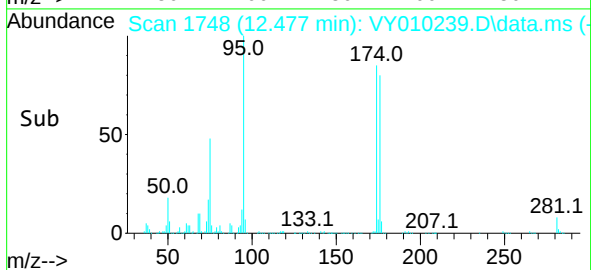
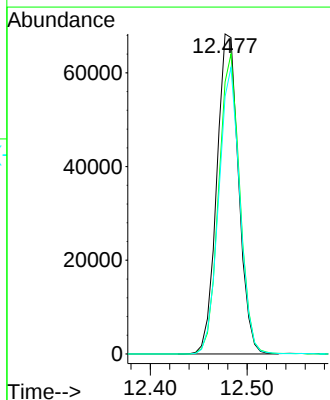
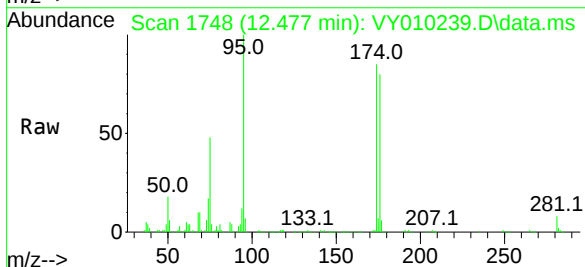
Instrument :
MSVOA_Y
ClientSampleId :
ROCK-FINES-QA/QC-COMP

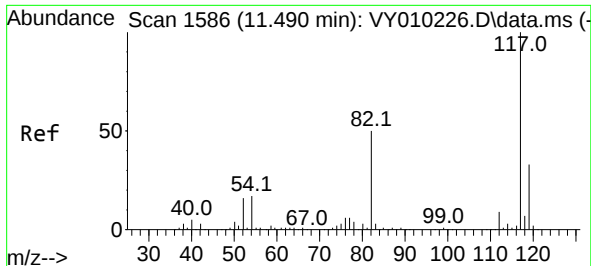
Tgt Ion: 98 Resp: 255920
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 60.097 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

Tgt Ion: 95 Resp: 106562
Ion Ratio Lower Upper
95 100
174 90.6 0.0 177.0
176 86.8 0.0 175.8

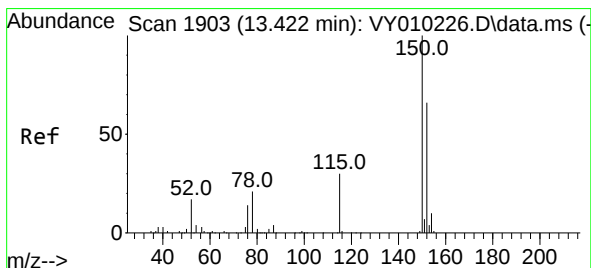
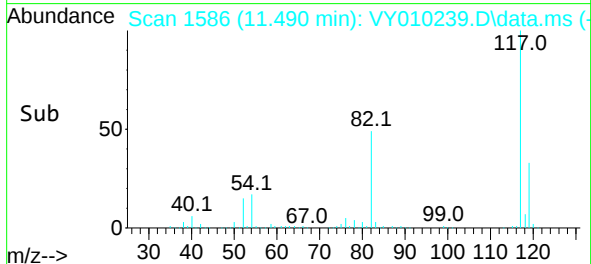
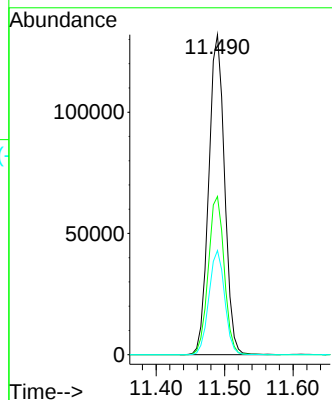
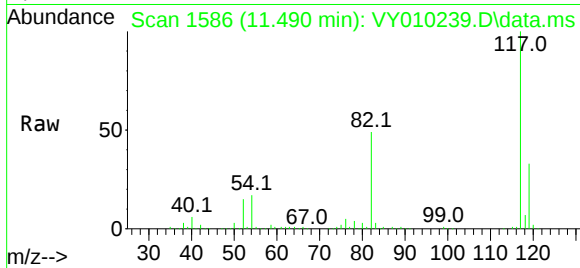




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

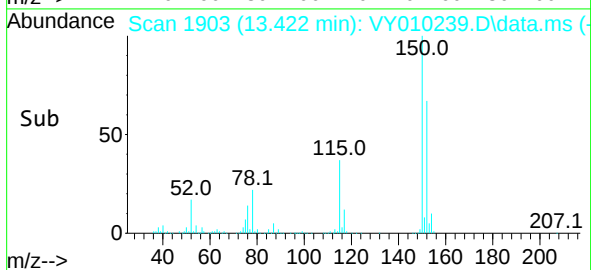
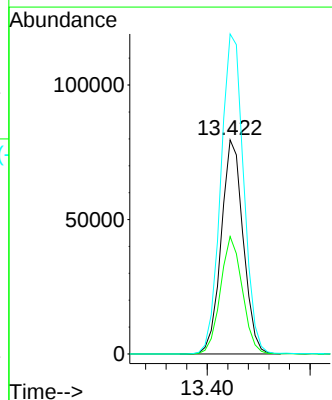
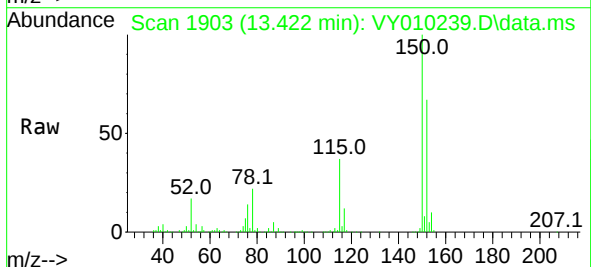
Instrument :
MSVOA_Y
ClientSampleId :
ROCK-FINES-QA/QC-COMP

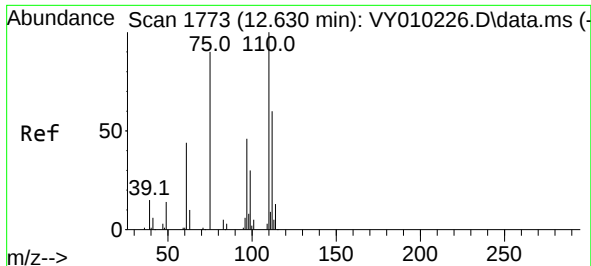
Tgt Ion:117 Resp: 212528
Ion Ratio Lower Upper
117 100
82 49.5 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

Tgt Ion:152 Resp: 117978
Ion Ratio Lower Upper
152 100
115 54.6 28.2 84.7
150 155.8 0.0 347.6

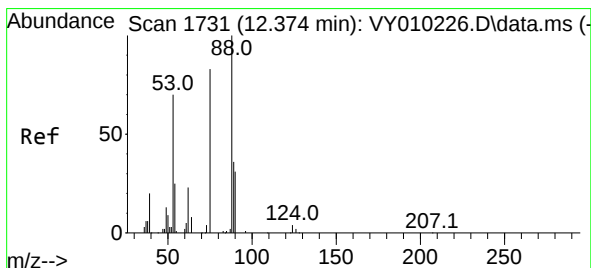
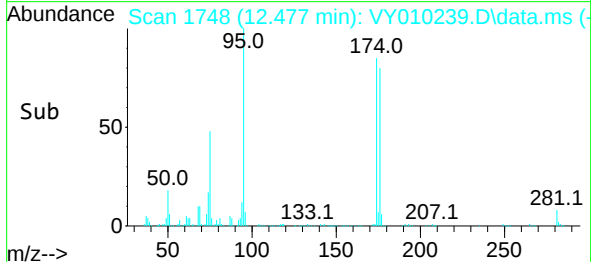
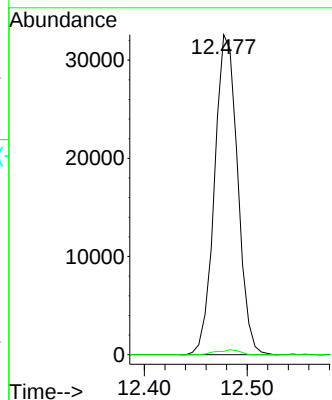
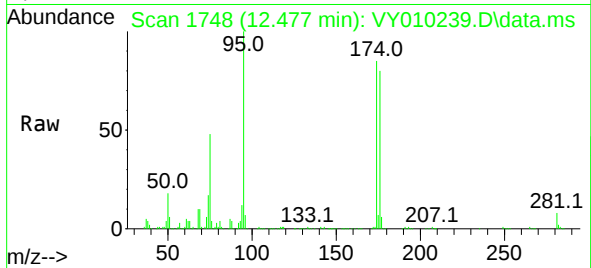




#76
1,2,3-Trichloropropane
Concen: 43.789 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

Instrument :
MSVOA_Y
ClientSampleId :
ROCK-FINES-QA/QC-COMP

Tgt Ion: 75 Resp: 50799
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.359 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010239.D
Acq: 31 Aug 2022 12:46

Tgt Ion: 75 Resp: 50799
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.3 37.0 55.4#

