

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011182.D
 Acq On : 29 Oct 2022 02:22
 Operator : KP/MD
 Sample : N5310-06
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-2

Quant Time: Oct 29 06:47:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)

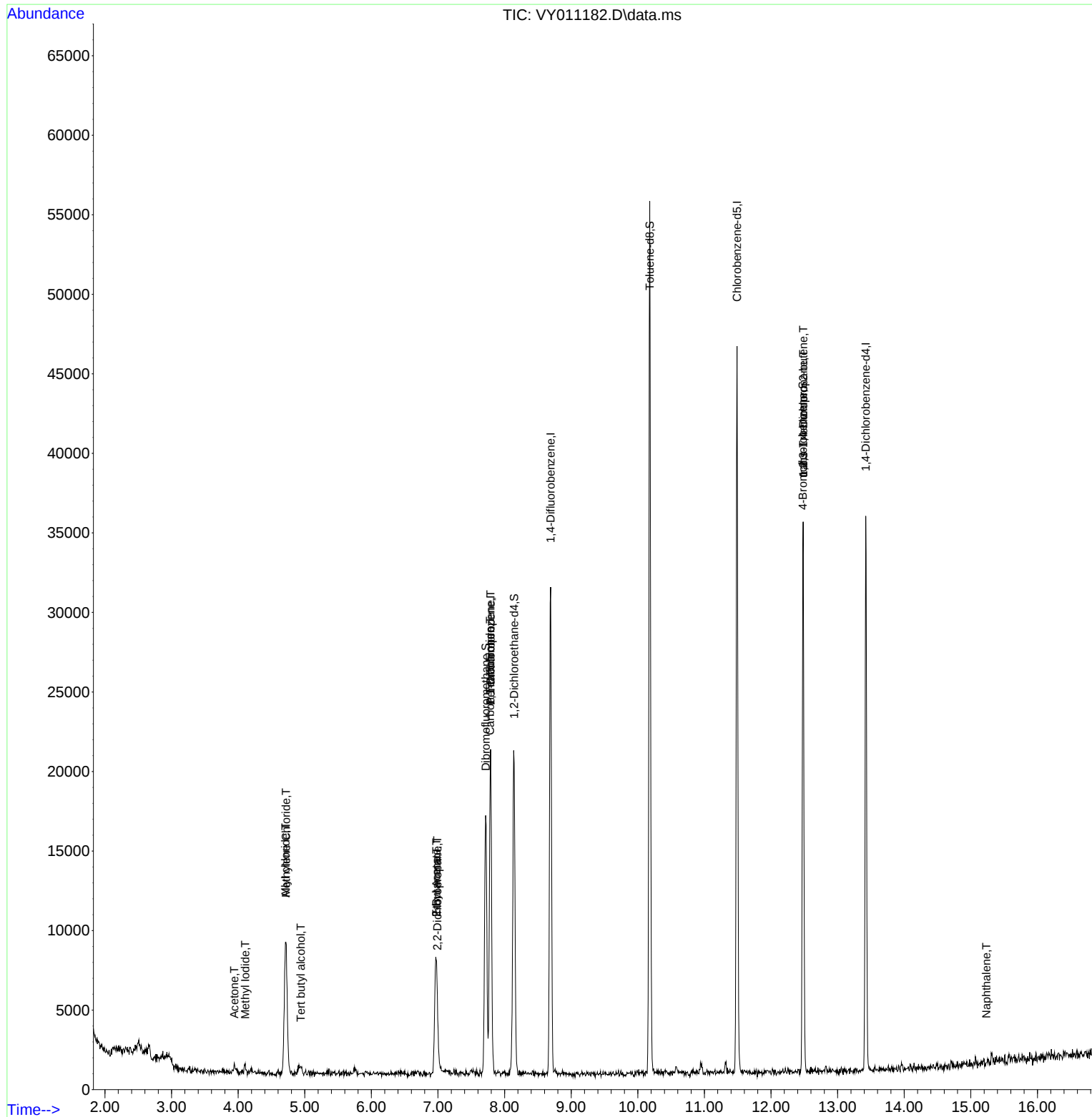
Internal Standards							
1) Pentafluorobenzene	7.789	168		16857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114		27509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117		25633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152		9952	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.142	65		15796	90.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	181.240%	#
35) Dibromofluoromethane	7.716	113		12231	72.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	144.600%	
50) Toluene-d8	10.179	98		37075	55.319	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.640%	
62) 4-Bromofluorobenzene	12.477	95		10451	47.658	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.320%	
Target Compounds							
							Qvalue
3) Chloromethane	2.119	50		169	Below Cal	#	71
5) Bromomethane	2.668	94		267	Below Cal		86
10) Methyl Iodide	4.107	142		638	3.870	ug/l #	68
11) Tert butyl alcohol	4.942	59		812	44.634	ug/l #	77
14) Allyl chloride	4.710	41		294	1.398	ug/l #	22
16) Acetone	3.942	43		800	18.758	ug/l #	84
18) Methyl Acetate	4.210	43		105	Below Cal	#	56
20) Methylene Chloride	4.716	84		6762	36.606	ug/l #	72
25) 2-Butanone	6.978	43		380	6.216	ug/l #	54
26) 2,2-Dichloropropane	6.990	77		376	1.409	ug/l #	55
31) Cyclohexane	7.777	56		305	Below Cal	#	38
36) 1,1-Dichloropropene	7.789	75		1278	5.795	ug/l #	47
37) Ethyl Acetate	6.978	43		380	3.045	ug/l #	22
38) Carbon Tetrachloride	7.783	117		1630	6.785	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75		5427	52.451	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75		5427	111.389	ug/l #	7
95) Naphthalene	15.233	128		71	4.536	ug/l #	69

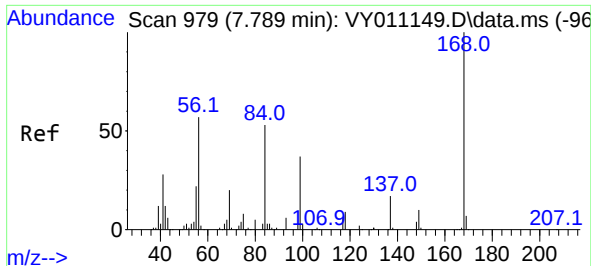
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
Data File : VY011182.D
Acq On : 29 Oct 2022 02:22
Operator : KP/MD
Sample : N5310-06
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-2

Quant Time: Oct 29 06:47:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 28 23:42:14 2022
Response via : Initial Calibration

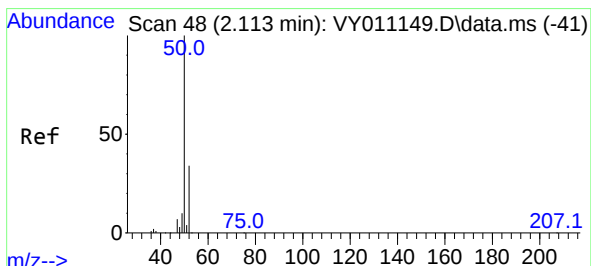
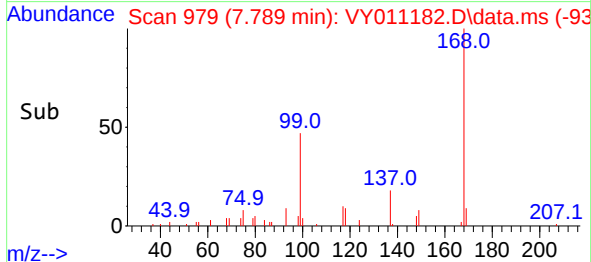
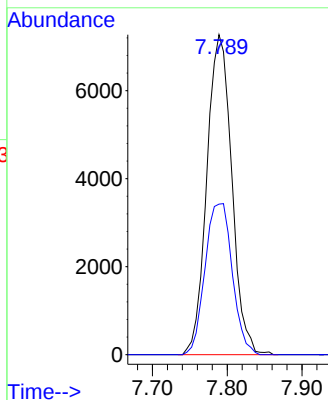
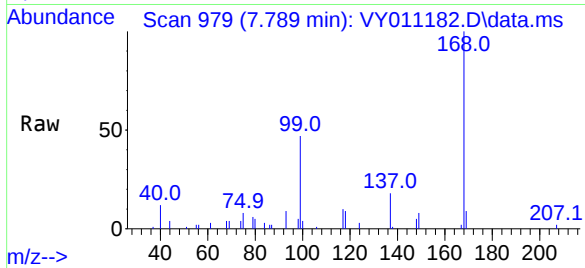




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

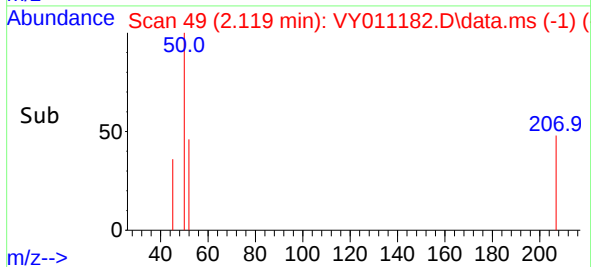
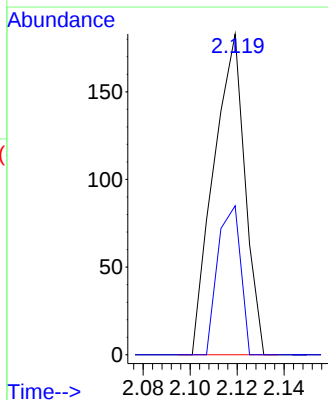
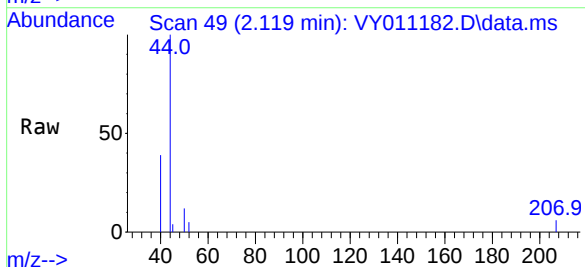
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-2

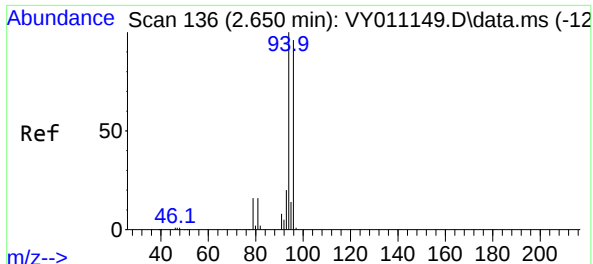
Tgt Ion:168 Resp: 16857
Ion Ratio Lower Upper
168 100
99 47.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 46.4 24.6 37.0#

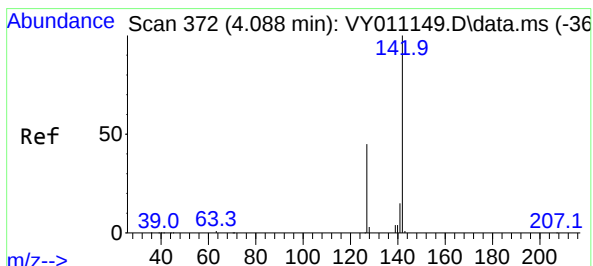
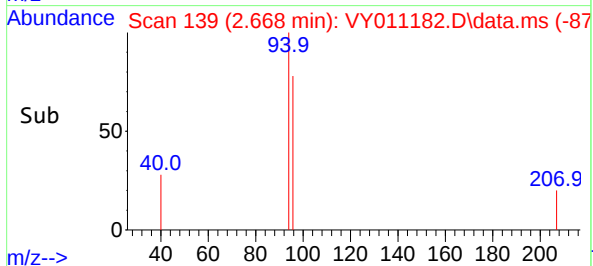
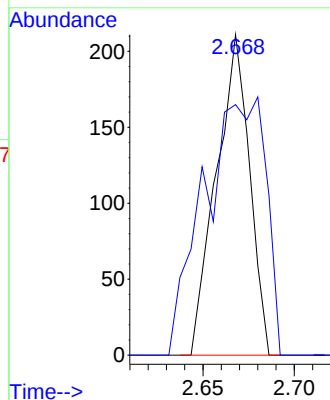
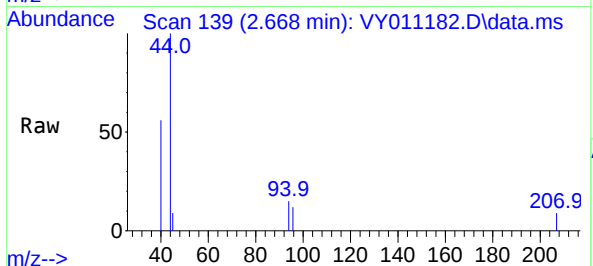




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

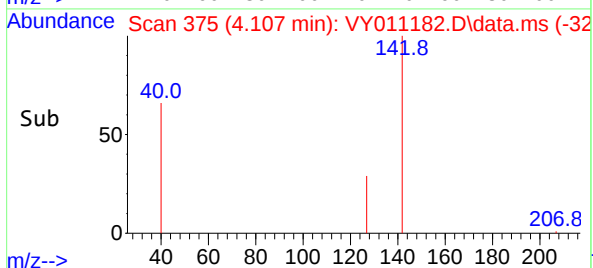
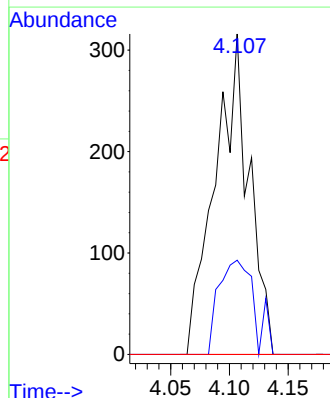
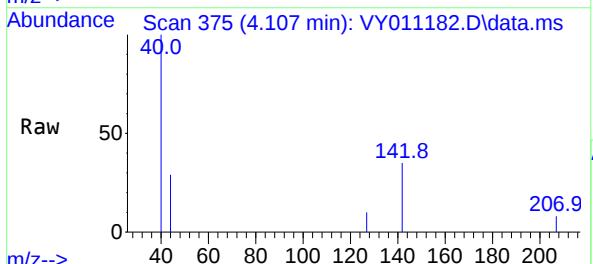
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-2

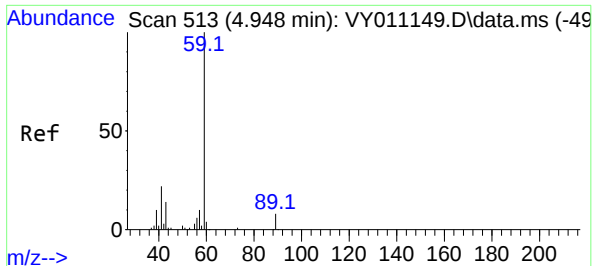
Tgt Ion: 94 Resp: 267
Ion Ratio Lower Upper
94 100
96 78.2 73.5 110.3



#10
Methyl Iodide
Concen: 3.870 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

Tgt Ion:142 Resp: 638
Ion Ratio Lower Upper
142 100
127 30.6 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 44.634 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY011182.D

Acq: 29 Oct 2022 02:22

Instrument :

MSVOA_Y

ClientSampleId :

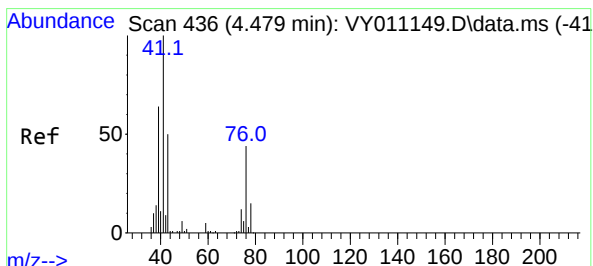
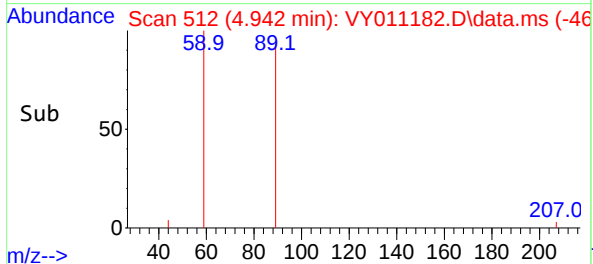
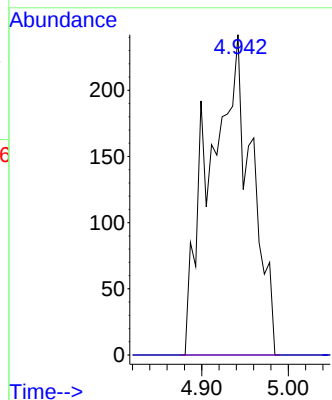
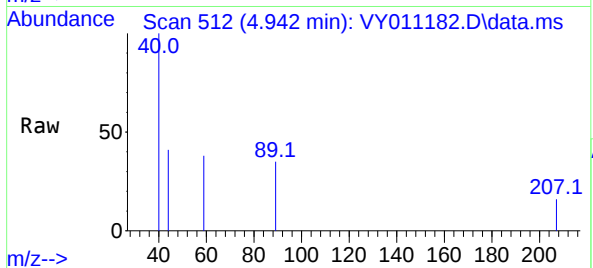
BIN 1-2-(2840)-VOC-2

Tgt Ion: 59 Resp: 812

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#14

Allyl chloride

Concen: 1.398 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.231 min

Lab File: VY011182.D

Acq: 29 Oct 2022 02:22

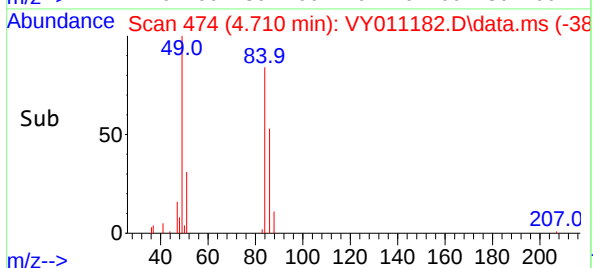
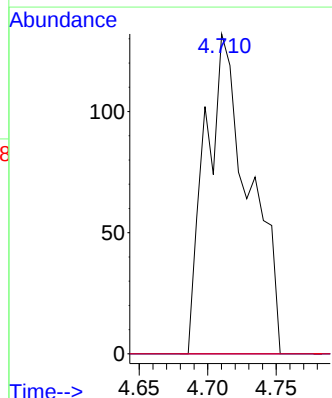
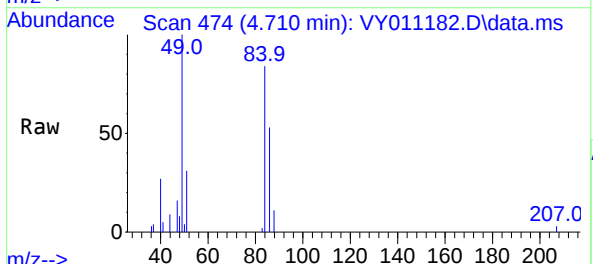
Tgt Ion: 41 Resp: 294

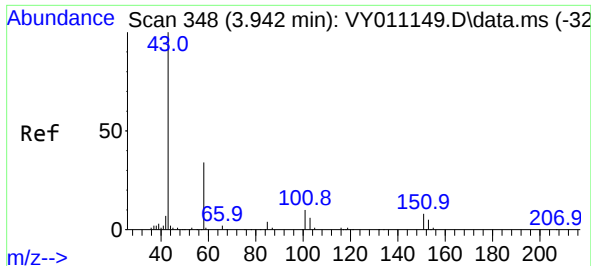
Ion Ratio Lower Upper

41 100

39 0.0 58.8 88.2#

76 0.0 25.1 37.7#

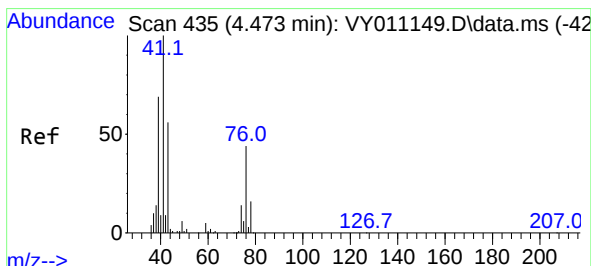
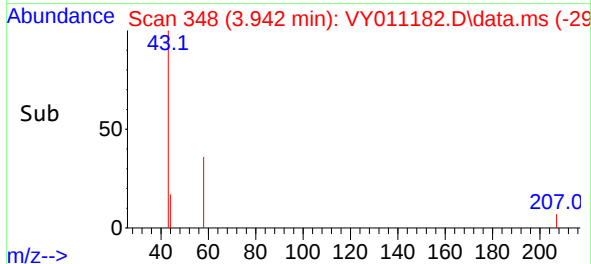
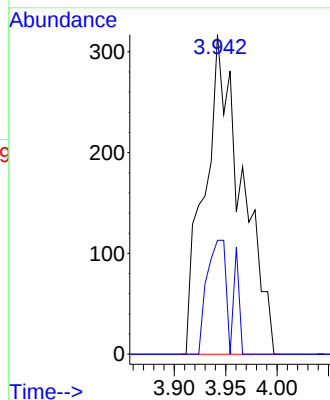
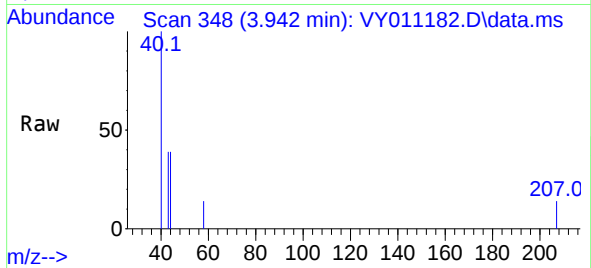




#16
Acetone
Concen: 18.758 ug/l
RT: 3.942 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

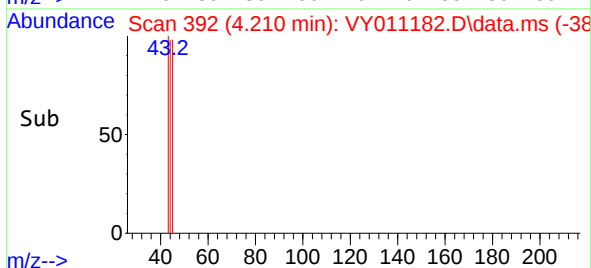
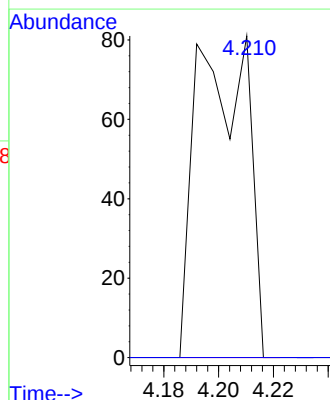
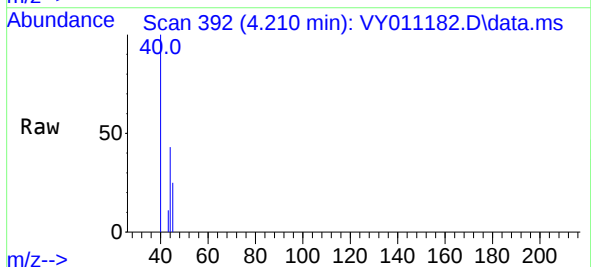
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-2

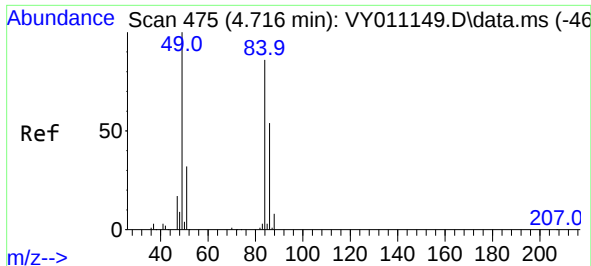
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
58 35.6 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.210 min Scan# 392
Delta R.T. -0.263 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

Tgt Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

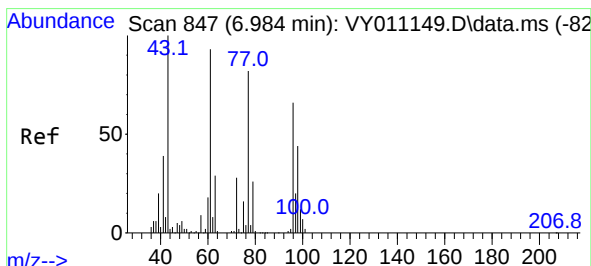
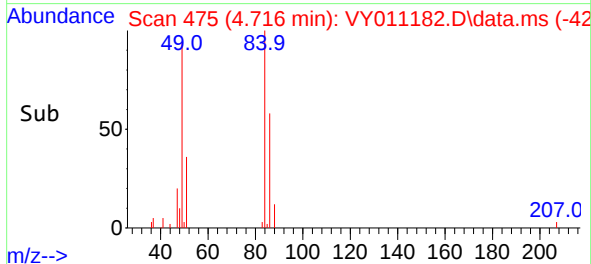
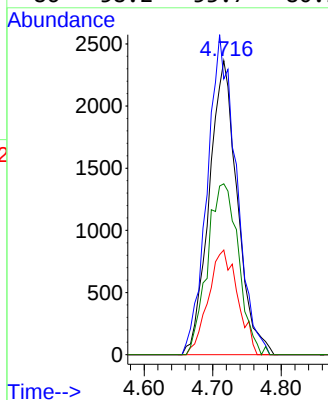
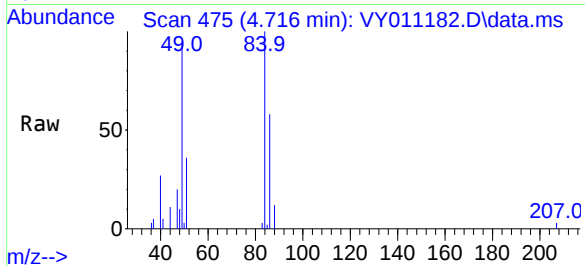




#20
Methylene Chloride
Concen: 36.606 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

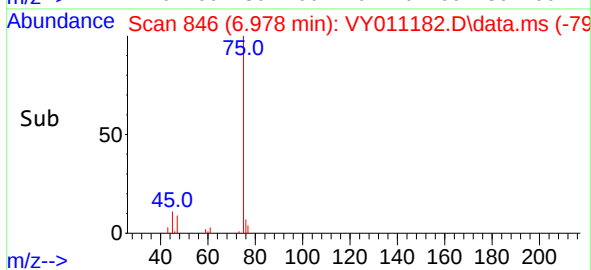
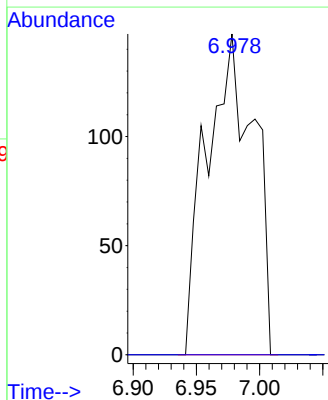
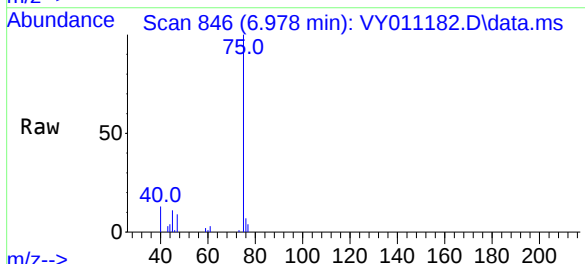
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-2

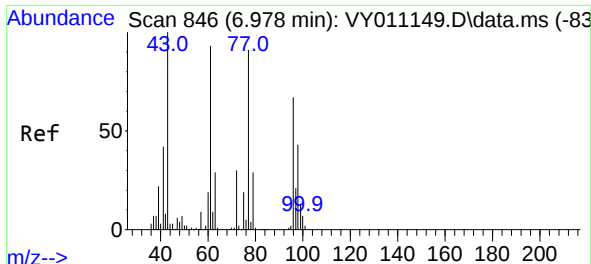
Tgt Ion: 84 Resp: 6762
Ion Ratio Lower Upper
84 100
49 93.8 114.4 171.6#
51 35.6 35.3 52.9
86 58.2 53.7 80.5



#25
2-Butanone
Concen: 6.216 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.409 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY011182.D

Acq: 29 Oct 2022 02:22

Instrument :

MSVOA_Y

ClientSampleId :

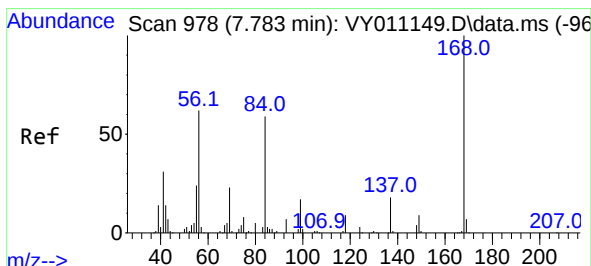
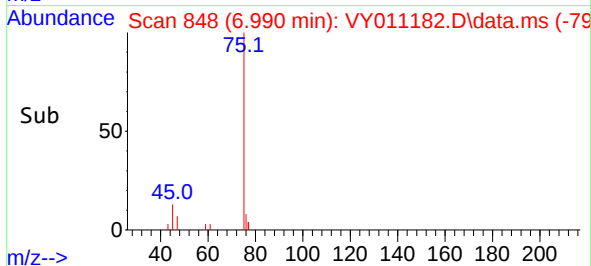
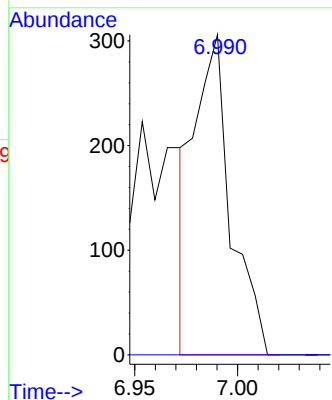
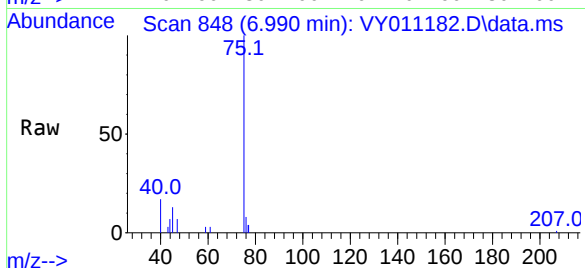
BIN 1-2-(2840)-VOC-2

Tgt Ion: 77 Resp: 376

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY011182.D

Acq: 29 Oct 2022 02:22

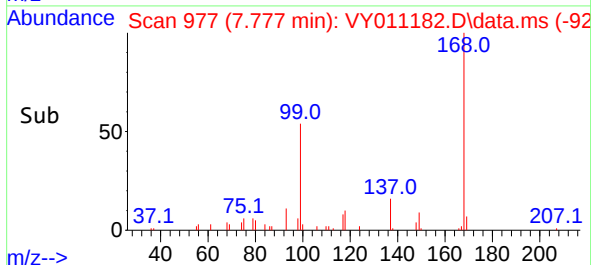
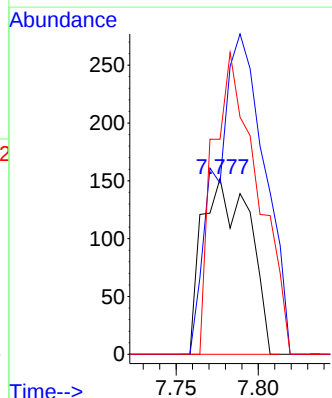
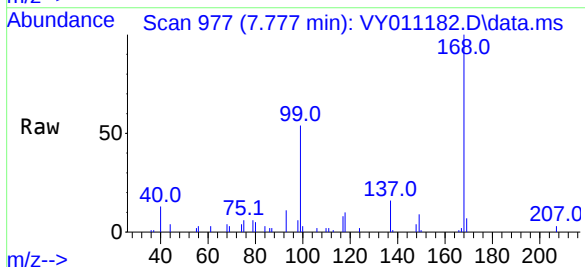
Tgt Ion: 56 Resp: 305

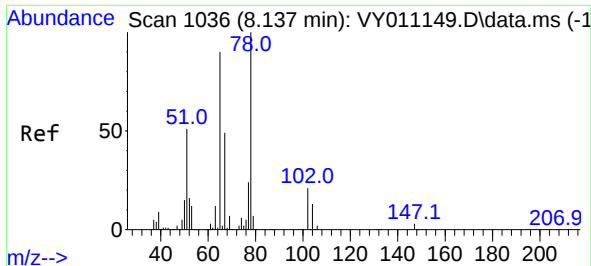
Ion Ratio Lower Upper

56 100

69 97.4 26.7 40.1#

84 122.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 90.623 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.005 min

Lab File: VY011182.D

Acq: 29 Oct 2022 02:22

Instrument :

MSVOA_Y

ClientSampleId :

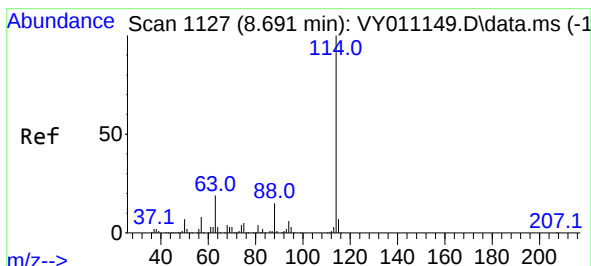
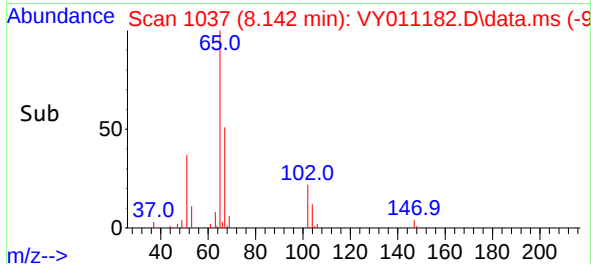
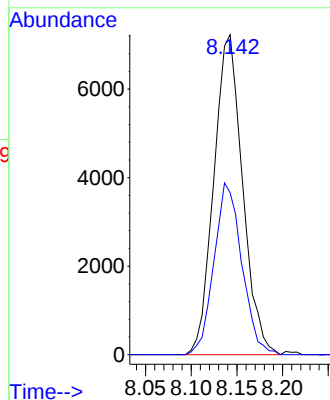
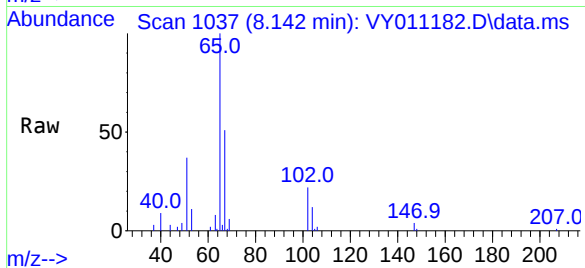
BIN 1-2-(2840)-VOC-2

Tgt Ion: 65 Resp: 15796

Ion Ratio Lower Upper

65 100

67 52.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011182.D

Acq: 29 Oct 2022 02:22

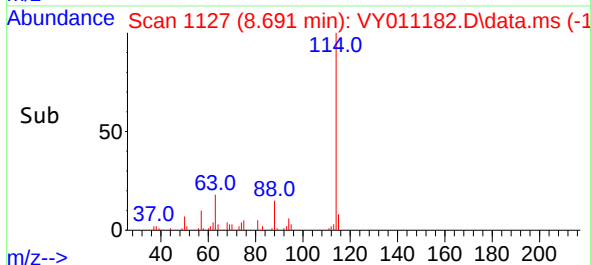
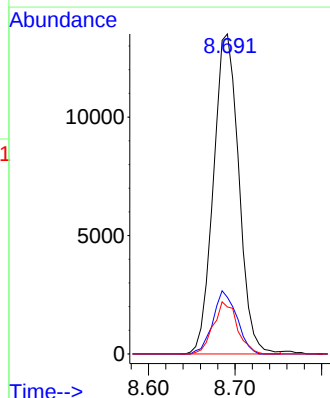
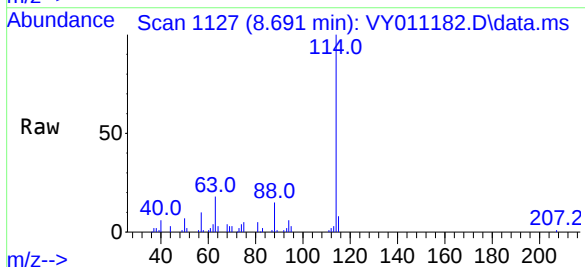
Tgt Ion: 114 Resp: 27509

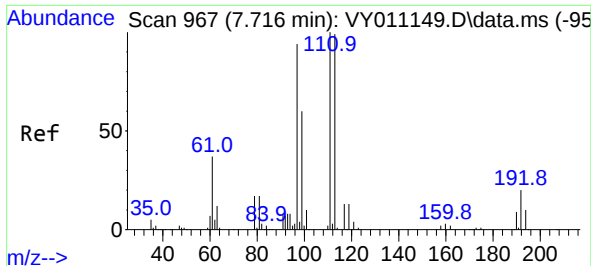
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 14.7 0.0 31.8

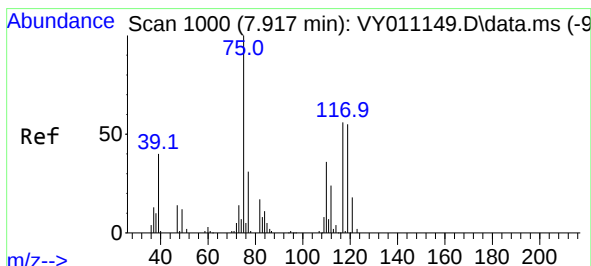
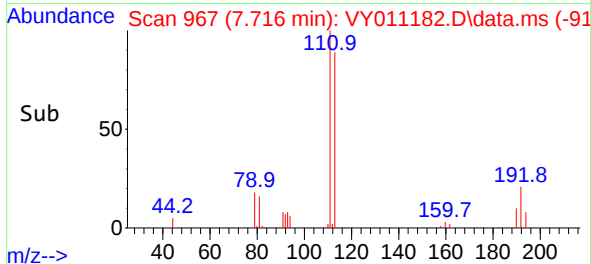
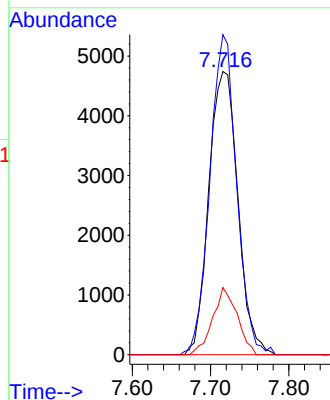
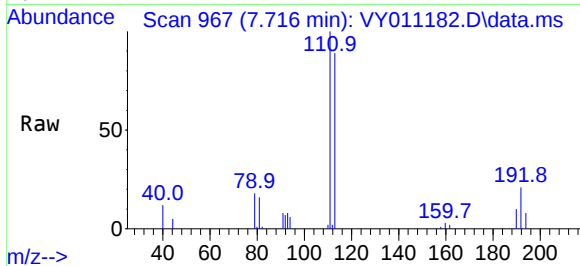




#35
Dibromofluoromethane
Concen: 72.300 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

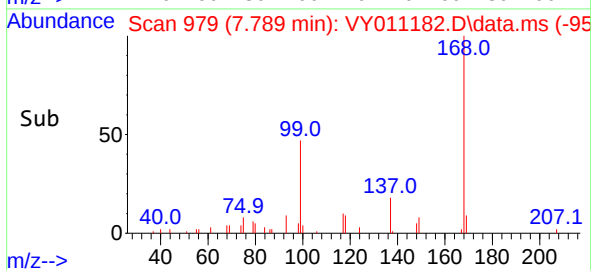
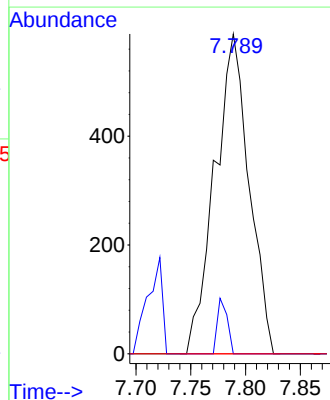
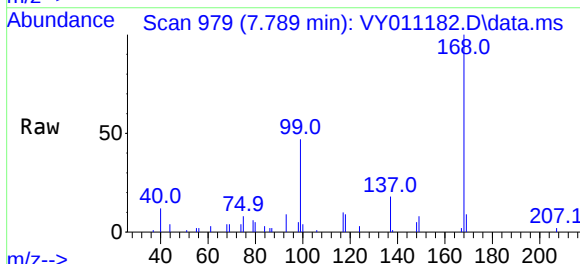
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-2

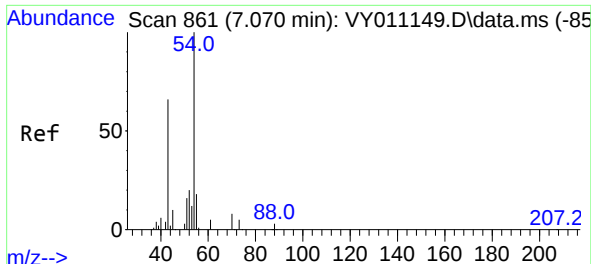
Tgt Ion:	113	Resp:	12231
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	124.0
192	20.0	17.6	26.4



#36
1,1-Dichloropropene
Concen: 5.795 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

Tgt Ion:	75	Resp:	1278
Ion	Ratio	Lower	Upper
75	100		
110	5.0	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 3.045 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY011182.D

Acq: 29 Oct 2022 02:22

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-2

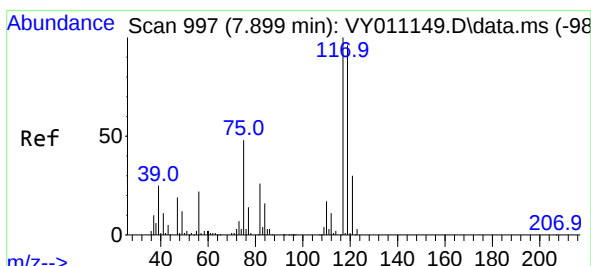
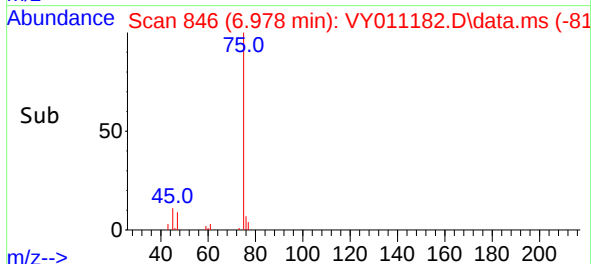
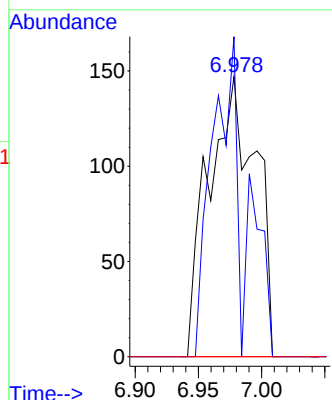
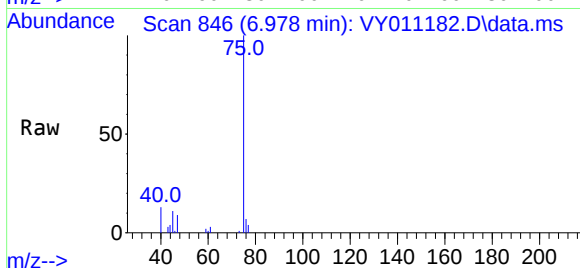
Tgt Ion: 43 Resp: 380

Ion Ratio Lower Upper

43 100

61 57.6 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.785 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY011182.D

Acq: 29 Oct 2022 02:22

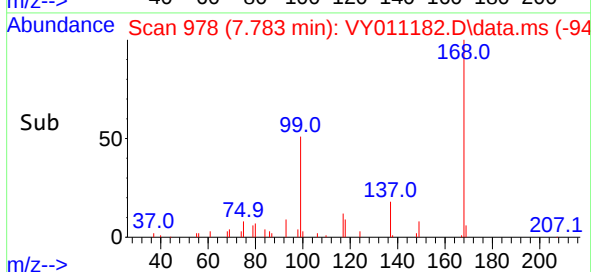
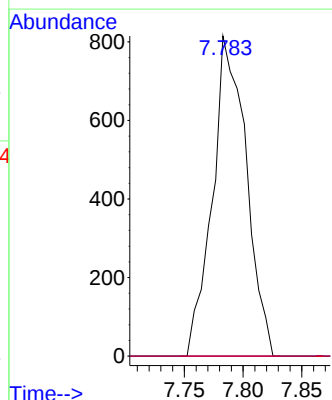
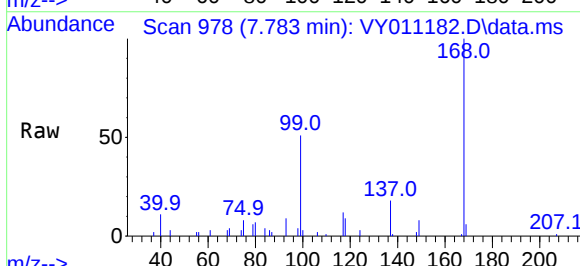
Tgt Ion: 117 Resp: 1630

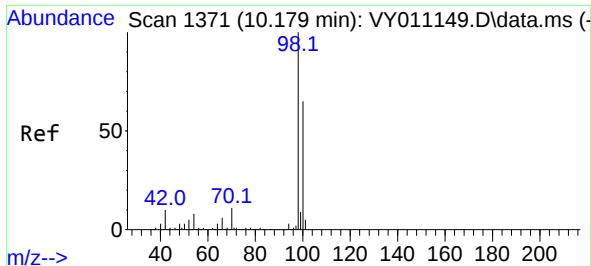
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

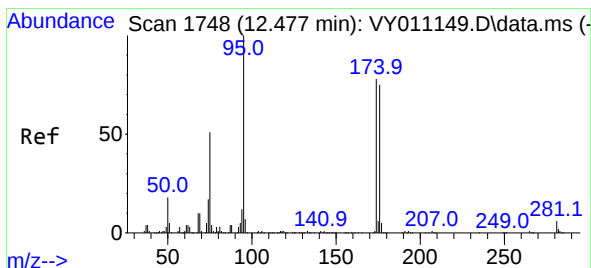
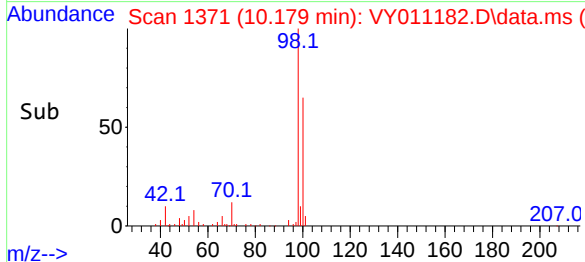
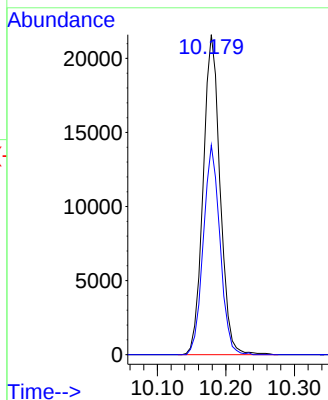
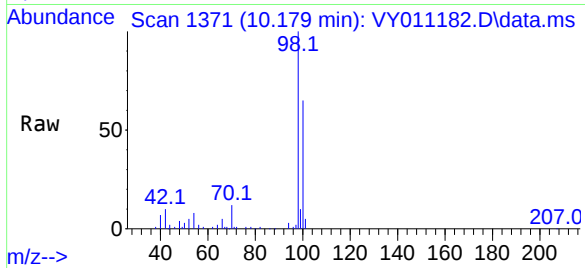




#50
Toluene-d8
Concen: 55.319 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

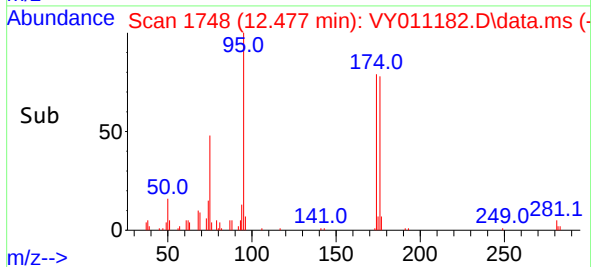
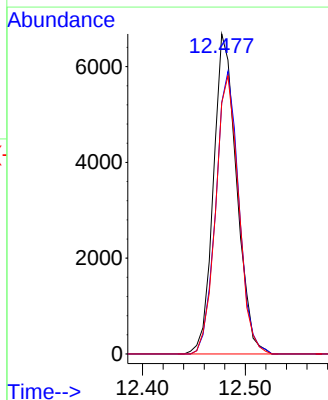
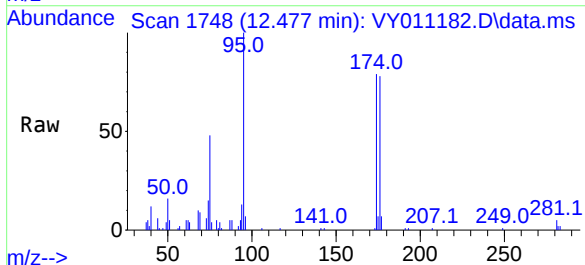
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-2

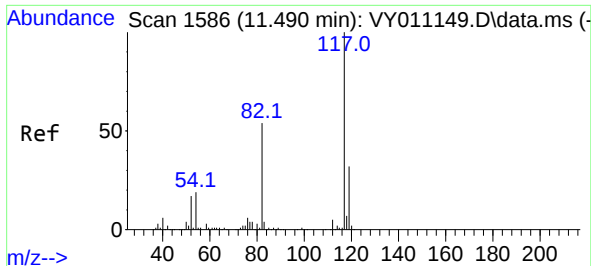
Tgt Ion: 98 Resp: 37075
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.658 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

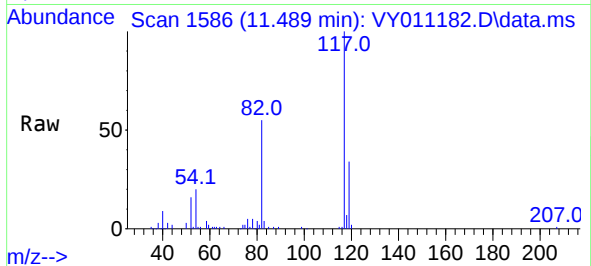
Tgt Ion: 95 Resp: 10451
Ion Ratio Lower Upper
95 100
174 87.7 0.0 177.0
176 86.0 0.0 175.8



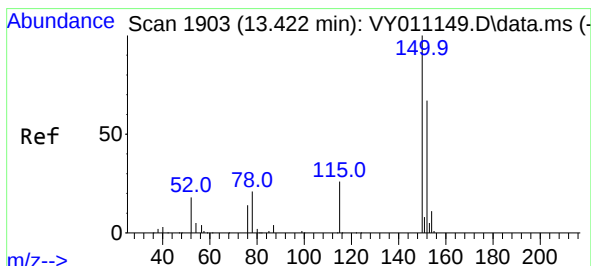
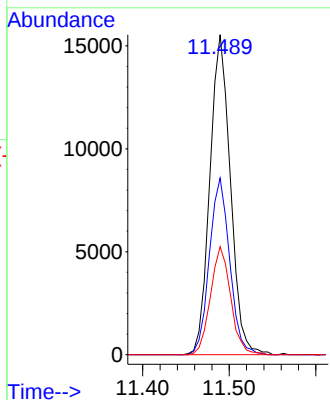
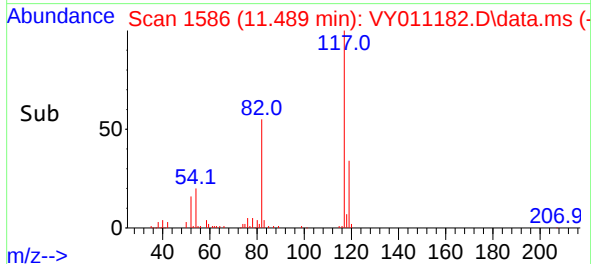


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

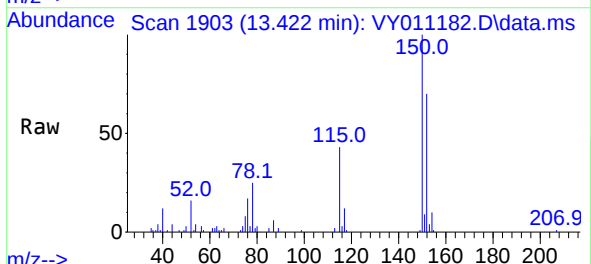
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-2



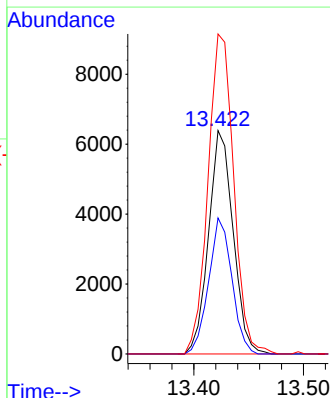
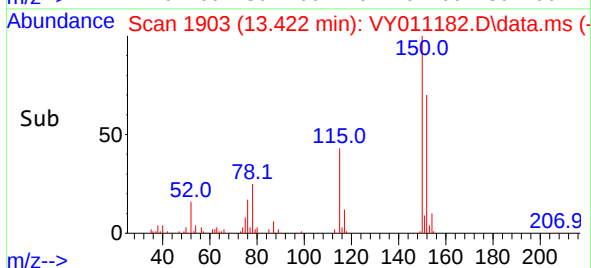
Tgt Ion:	117	Resp:	25633
Ion Ratio	Lower	Upper	
117	100		
82	55.2	43.0	64.4
119	33.8	25.4	38.0

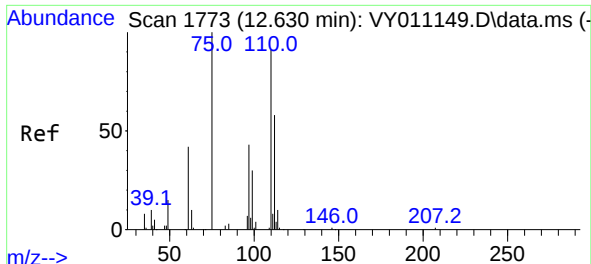


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22



Tgt Ion:	152	Resp:	9952
Ion Ratio	Lower	Upper	
152	100		
115	57.5	28.2	84.7
150	149.8	0.0	347.6

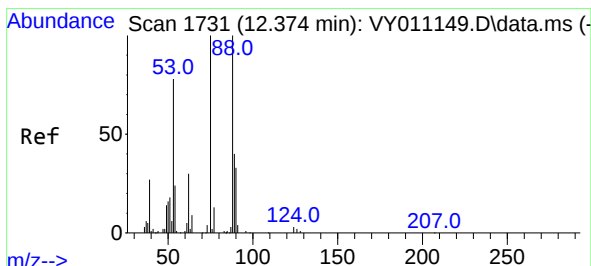
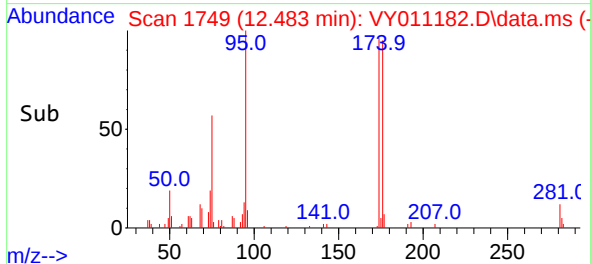
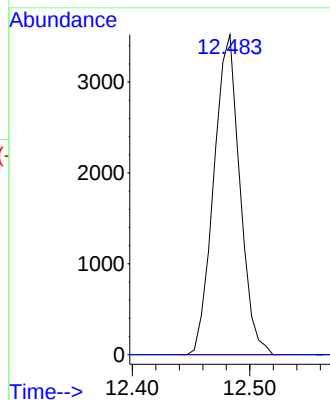
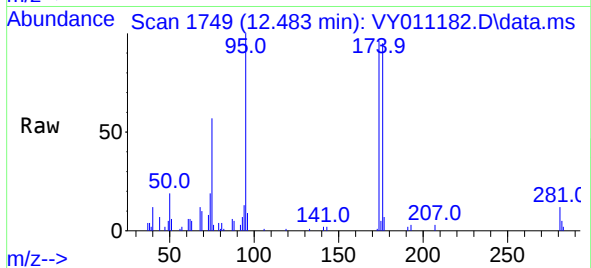




#76
1,2,3-Trichloropropane
Concen: 52.451 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

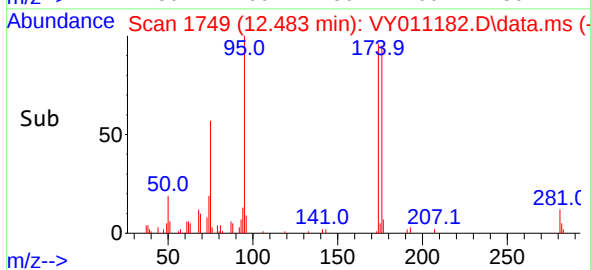
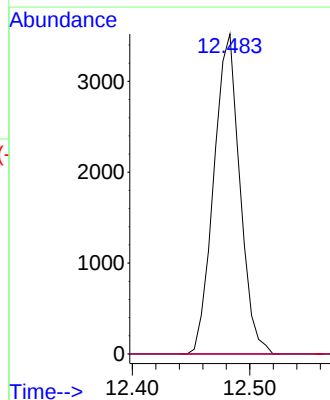
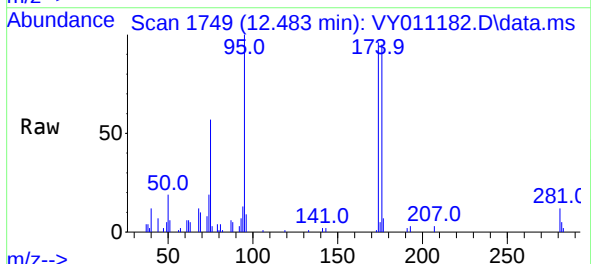
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-2

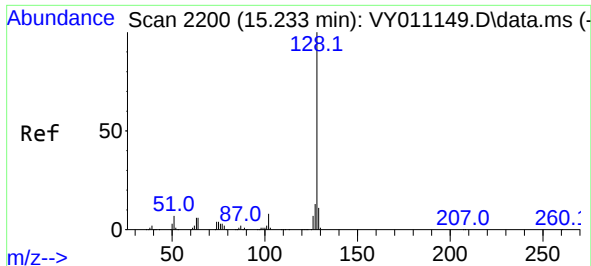
Tgt Ion: 75 Resp: 5427
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 111.389 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY011182.D
Acq: 29 Oct 2022 02:22

Tgt Ion: 75 Resp: 5427
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.536 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011182.D

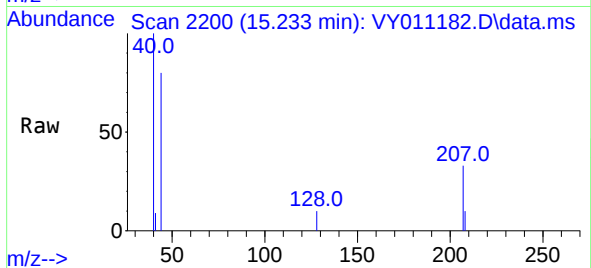
Acq: 29 Oct 2022 02:22

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-2



Tgt Ion:	128	Resp:	71
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

