

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012142.D
 Acq On : 10 Jan 2023 15:20
 Operator : KP/MD
 Sample : 01090-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-3-010923

Quant Time: Jan 11 03:09:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

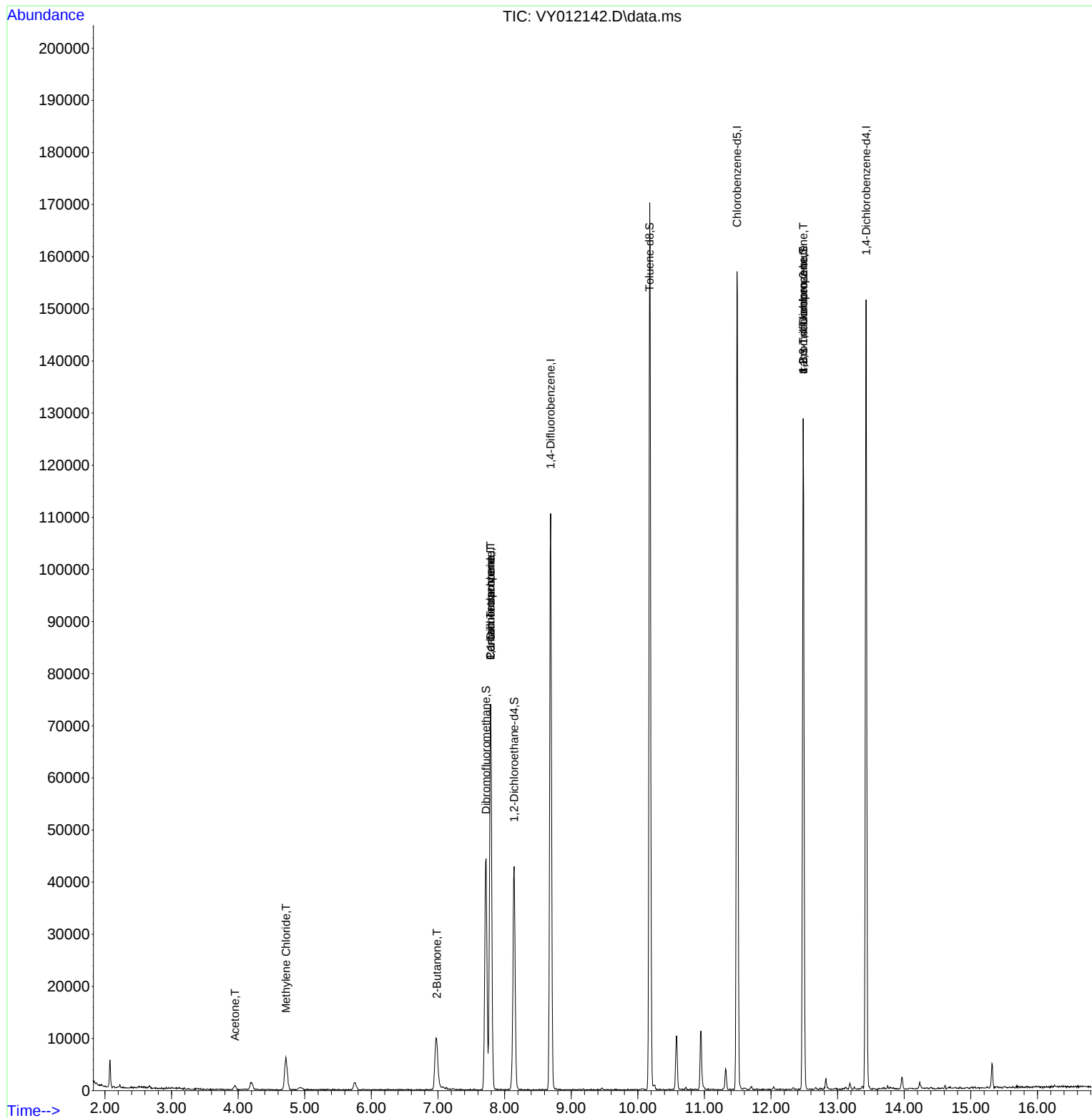
Internal Standards						
1) Pentafluorobenzene	7.789	168	59719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	97410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	92490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	40723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	35880	53.469	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	106.940%		
35) Dibromofluoromethane	7.722	113	30805	48.113	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.220%		
50) Toluene-d8	10.179	98	115261	45.610	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.220%		
62) 4-Bromofluorobenzene	12.483	95	34604	39.174	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.340%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	111	Below Cal	#	41
5) Bromomethane	2.668	94	146	Below Cal	#	39
11) Tert butyl alcohol	4.942	59	678	Below Cal	#	74
16) Acetone	3.954	43	1364	8.641	ug/l	97
20) Methylene Chloride	4.716	84	5158	2.055	ug/l #	81
25) 2-Butanone	6.984	43	578	2.775	ug/l #	81
31) Cyclohexane	7.789	56	1183	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	4420	4.550	ug/l #	49
38) Carbon Tetrachloride	7.789	117	5971	4.843	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	18204	39.150	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18204	86.947	ug/l #	13

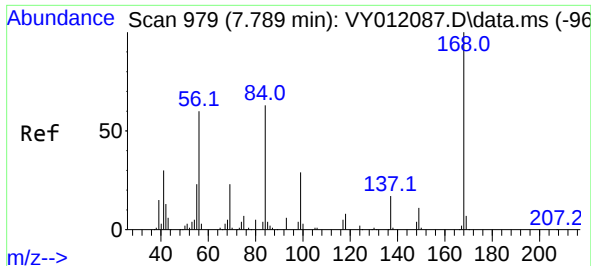
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU-3-010923

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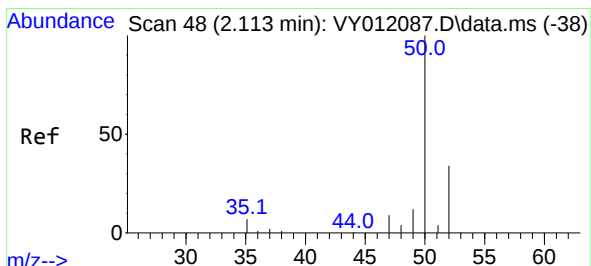
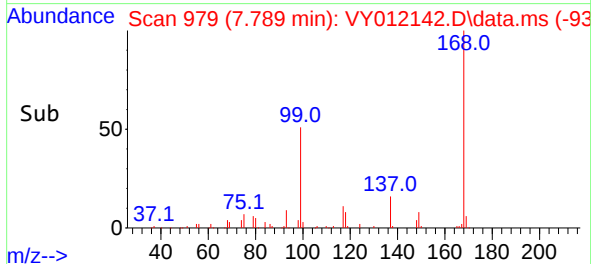
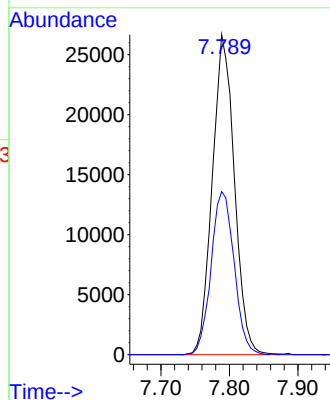
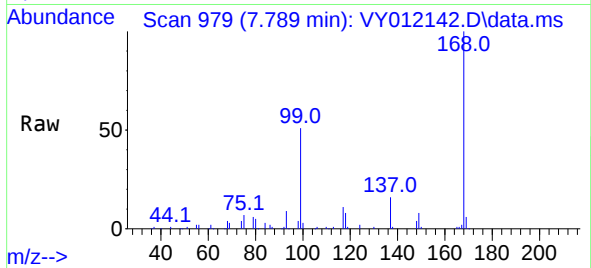




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

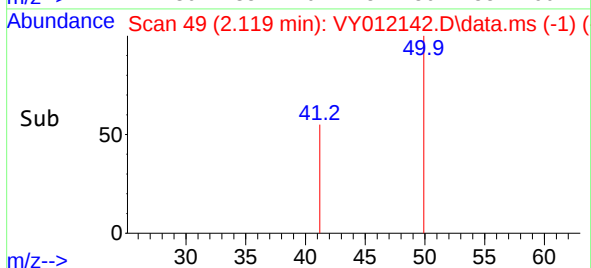
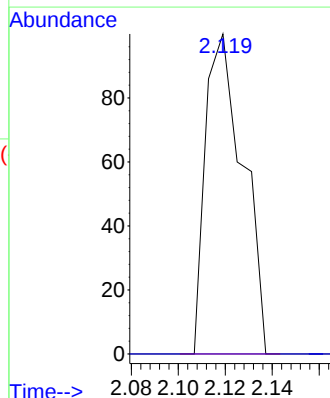
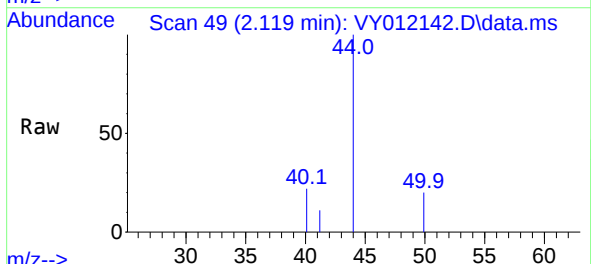
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923

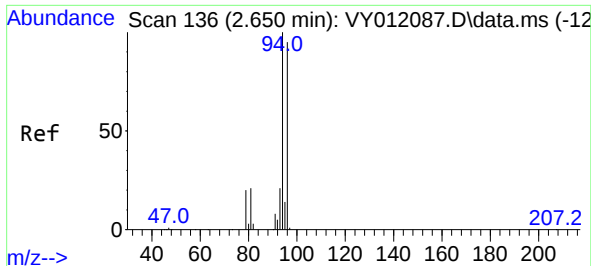
Tgt Ion:168 Resp: 59719
Ion Ratio Lower Upper
168 100
99 51.0 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

Tgt Ion: 50 Resp: 111
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

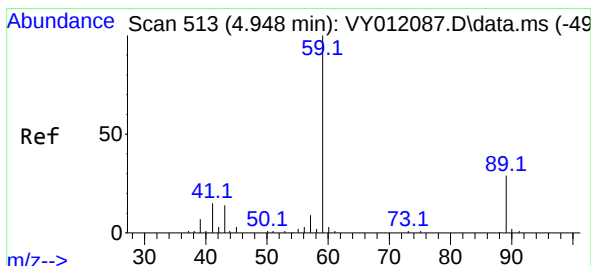
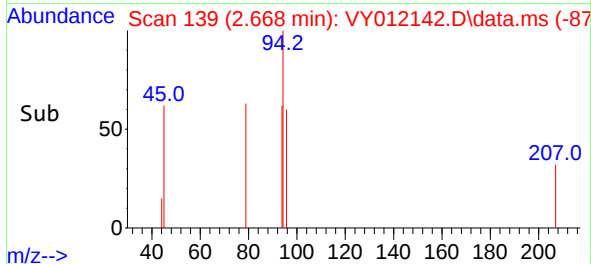
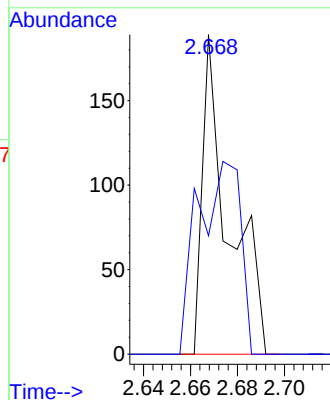
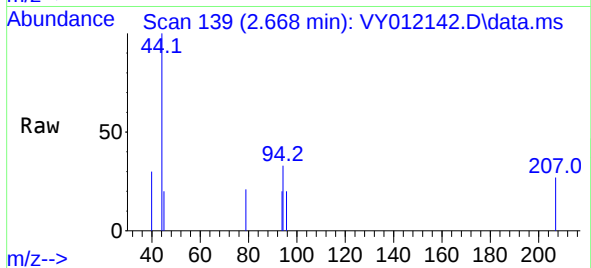




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

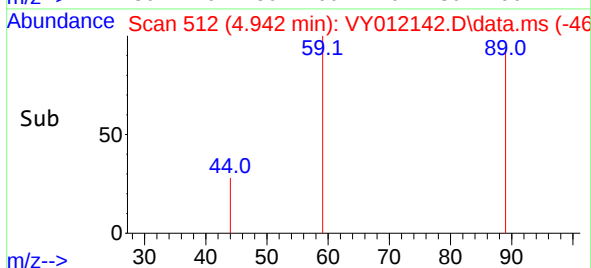
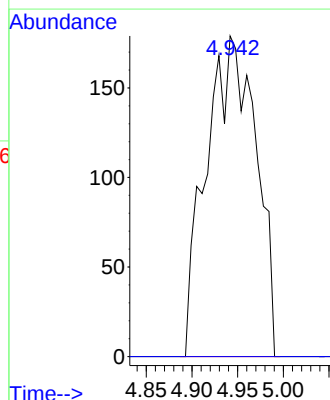
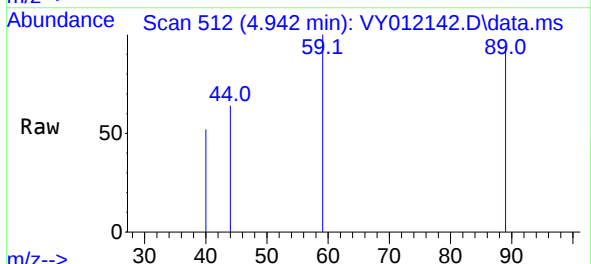
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923

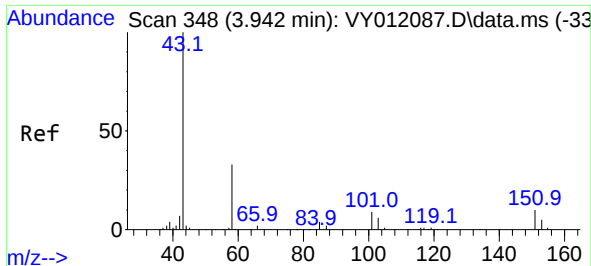
Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 37.0 77.4 116.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

Tgt Ion: 59 Resp: 678
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 8.641 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

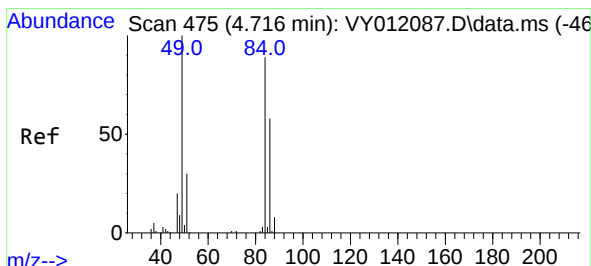
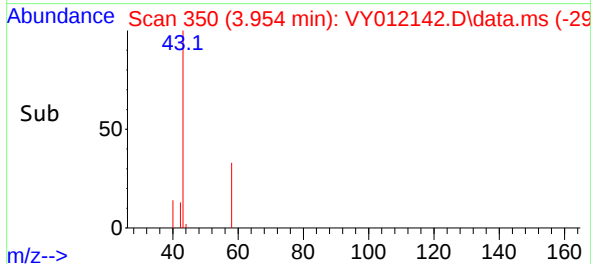
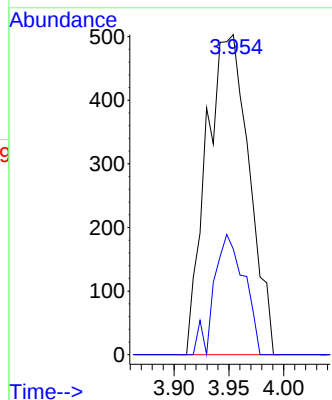
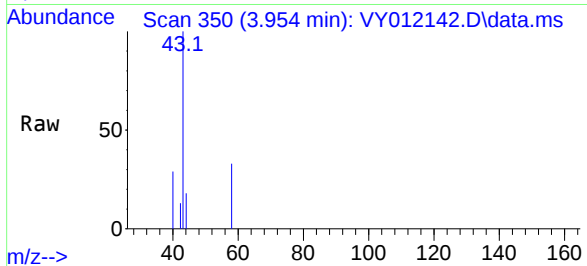
SU-3-010923

Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

43 100

58 33.0 27.9 41.9



#20

Methylene Chloride

Concen: 2.055 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

Tgt Ion: 84 Resp: 5158

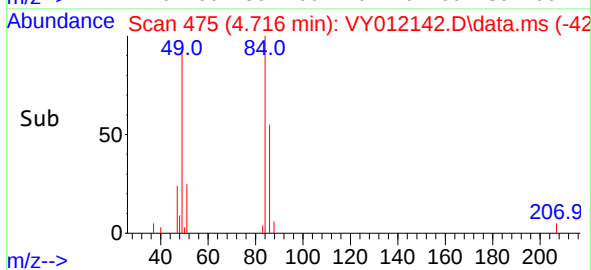
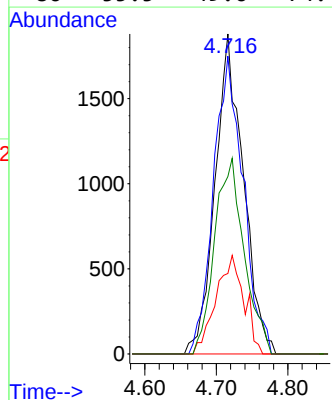
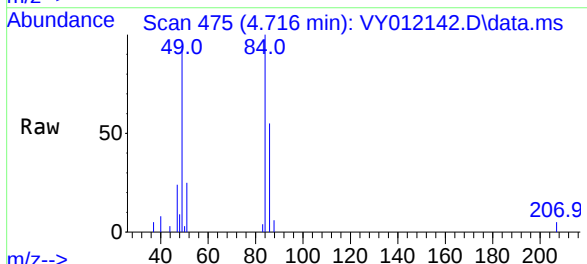
Ion Ratio Lower Upper

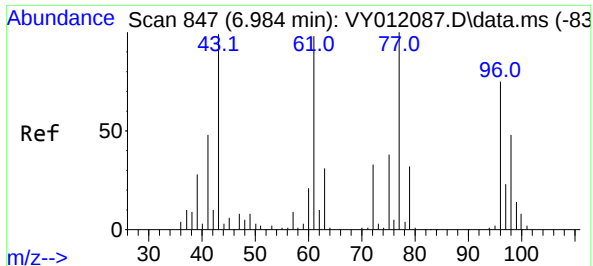
84 100

49 93.0 95.4 143.2#

51 25.2 29.9 44.9#

86 55.5 49.6 74.4





#25

2-Butanone

Concen: 2.775 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

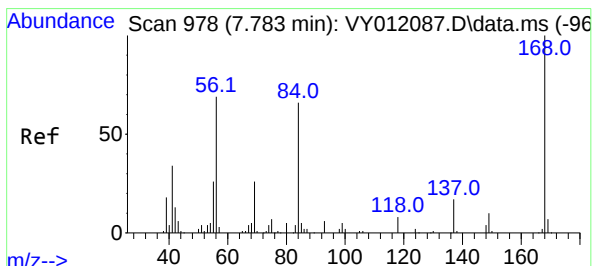
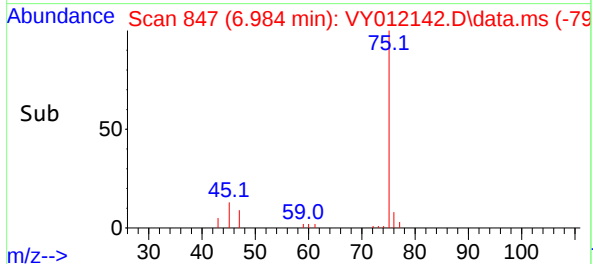
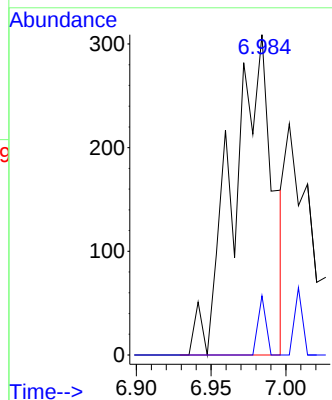
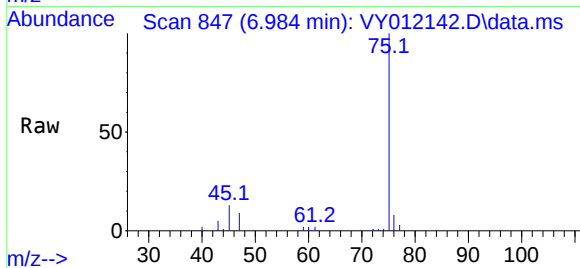
SU-3-010923

Tgt Ion: 43 Resp: 578

Ion Ratio Lower Upper

43 100

72 18.4 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

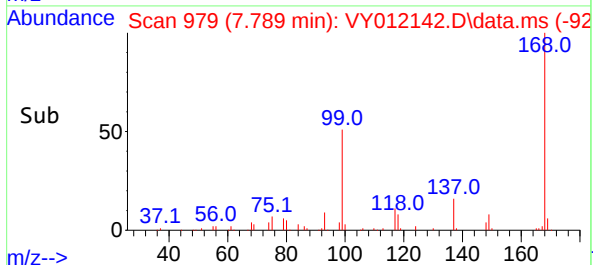
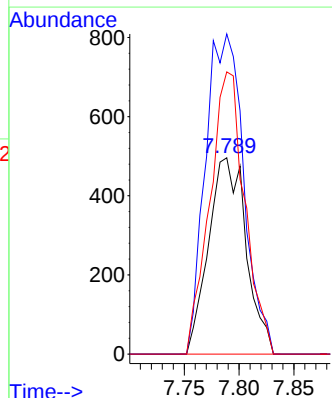
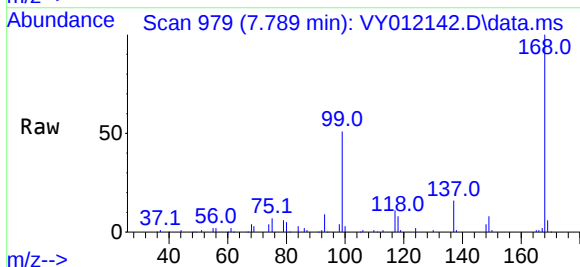
Tgt Ion: 56 Resp: 1183

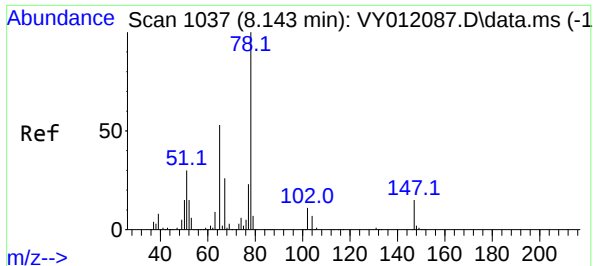
Ion Ratio Lower Upper

56 100

69 163.1 29.2 43.8#

84 143.8 72.6 108.8#

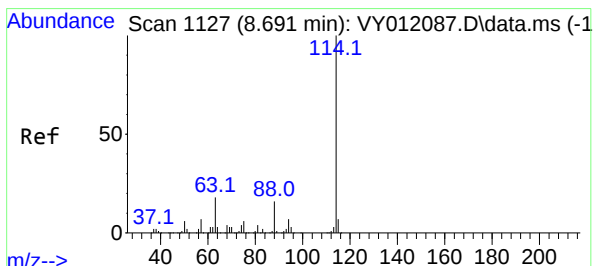
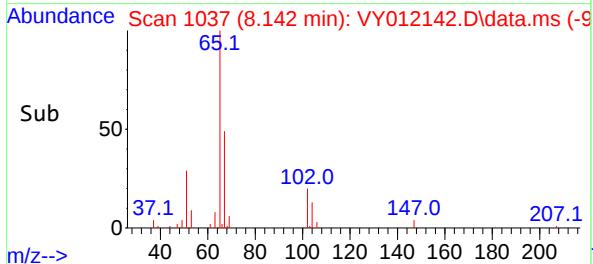
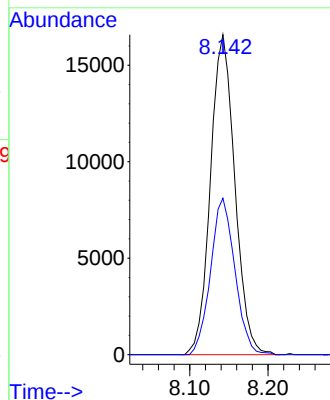
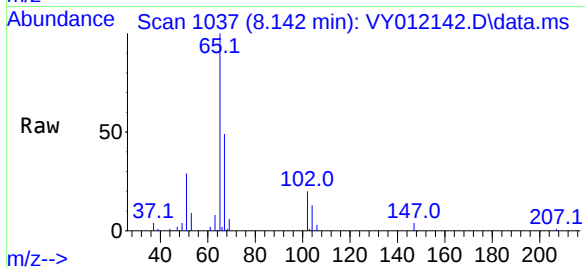




#33
1,2-Dichloroethane-d4
Concen: 53.469 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

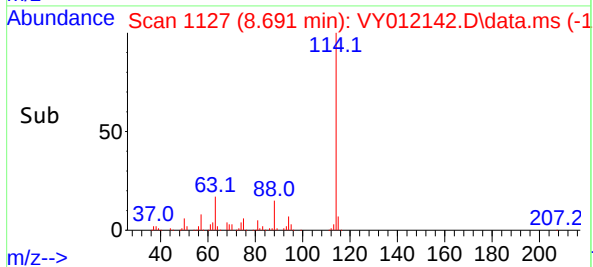
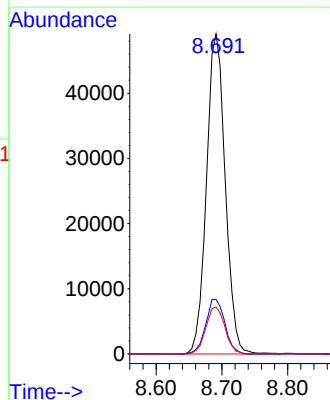
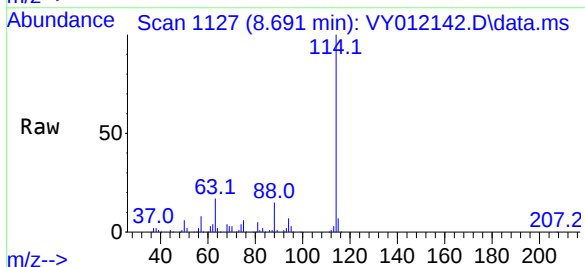
Instrument :
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ClientSampleId :
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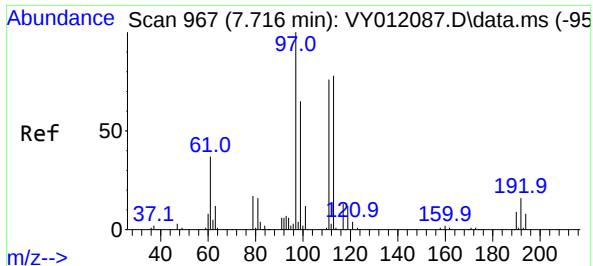
Tgt Ion: 65 Resp: 35880
Ion Ratio Lower Upper
65 100
67 48.8 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

Tgt Ion: 114 Resp: 97410
Ion Ratio Lower Upper
114 100
63 17.1 0.0 39.6
88 14.6 0.0 32.2

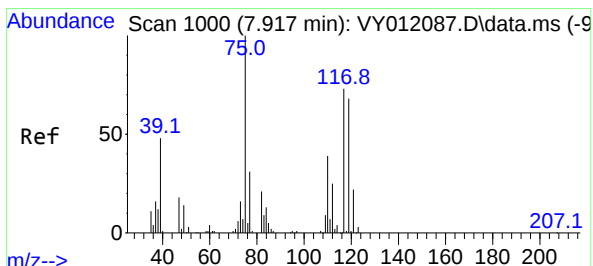
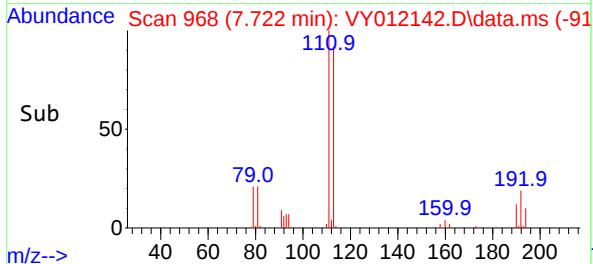
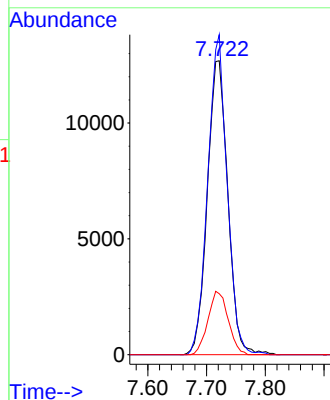
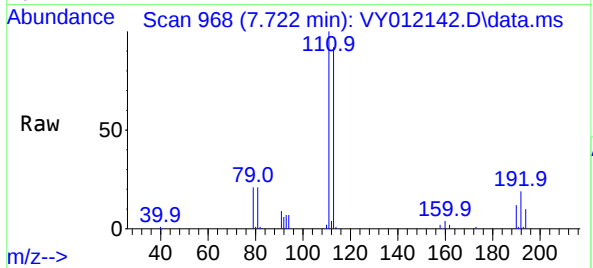




#35
Dibromofluoromethane
Concen: 48.113 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

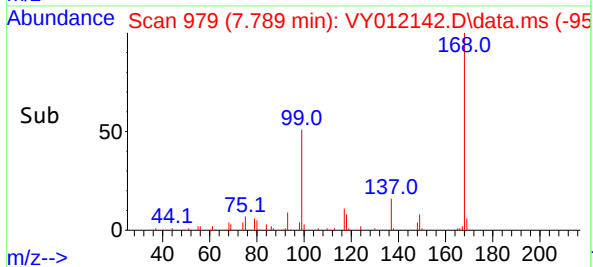
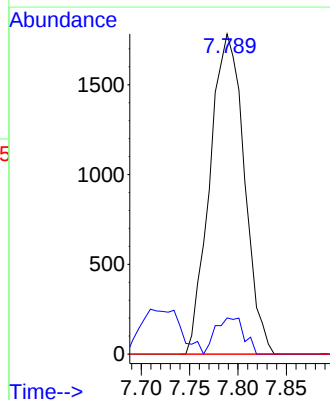
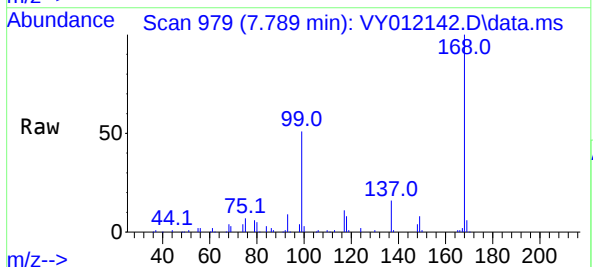
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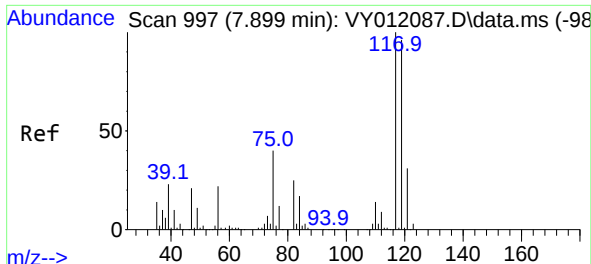
Tgt Ion:113 Resp: 30805
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.550 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

Tgt Ion: 75 Resp: 4420
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.1#
77 0.0 25.1 37.7#

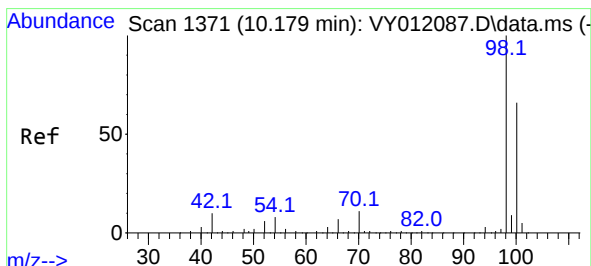
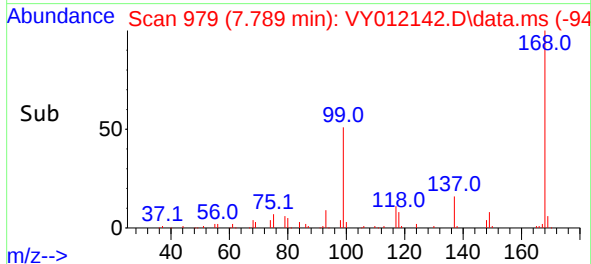
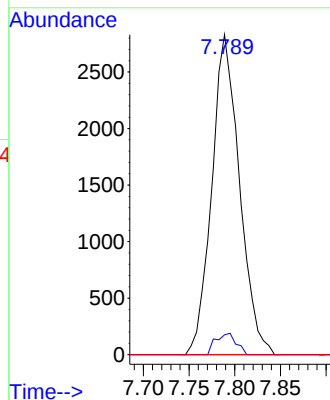
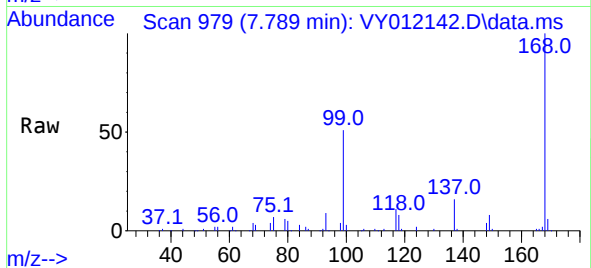




#38
Carbon Tetrachloride
Concen: 4.843 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

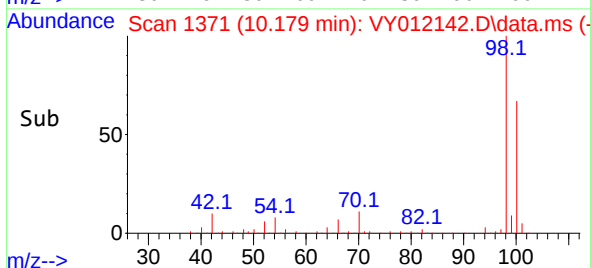
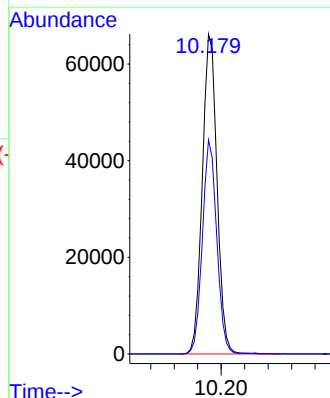
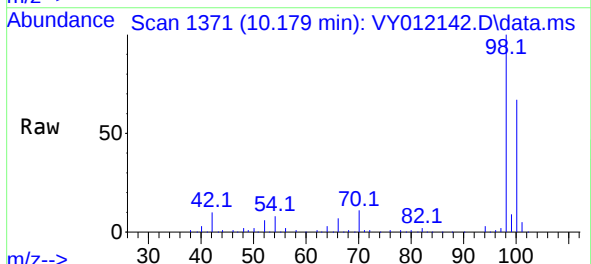
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923

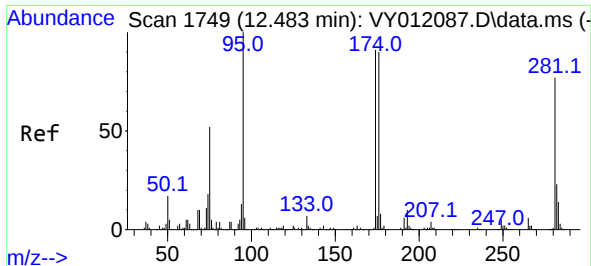
Tgt Ion:117 Resp: 5971
Ion Ratio Lower Upper
117 100
119 6.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.610 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

Tgt Ion: 98 Resp: 115261
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9

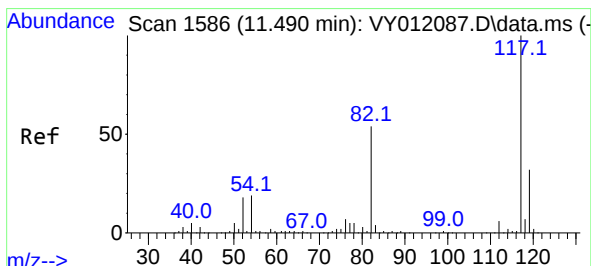
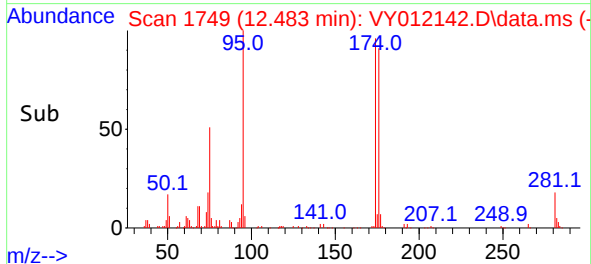
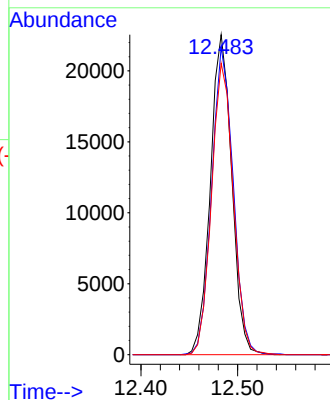
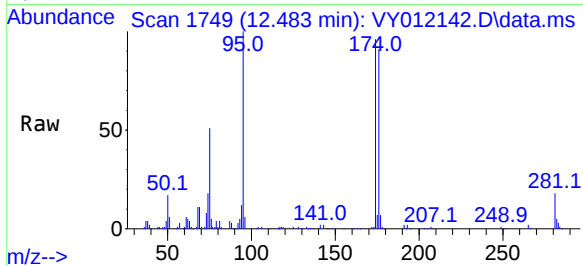




#62
4-Bromofluorobenzene
Concen: 39.174 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

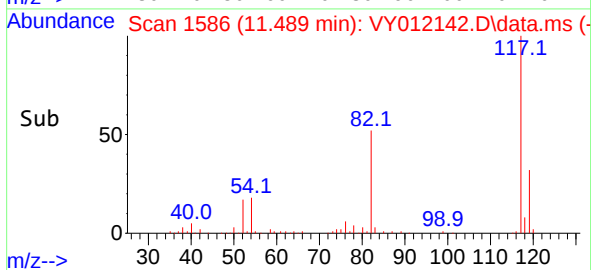
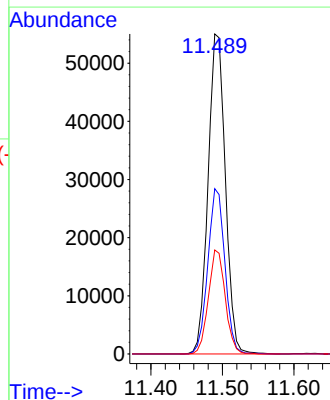
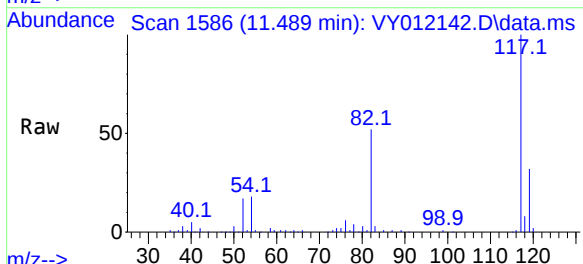
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923

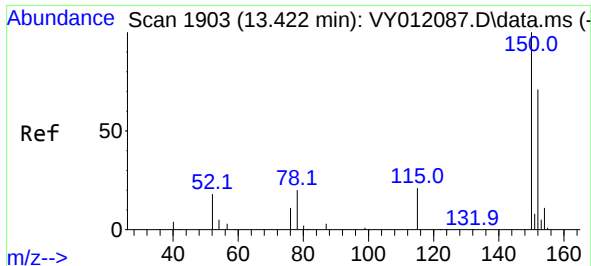
Tgt Ion:	95	Resp:	34604
Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	172.0
176	92.6	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

Tgt Ion:	117	Resp:	92490
Ion	Ratio	Lower	Upper
117	100		
82	51.6	44.8	67.2
119	32.5	25.4	38.2

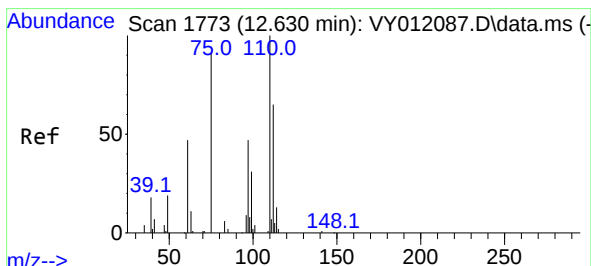
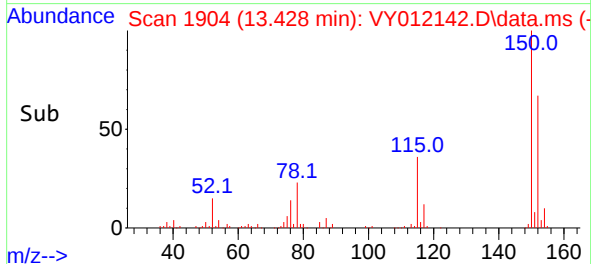
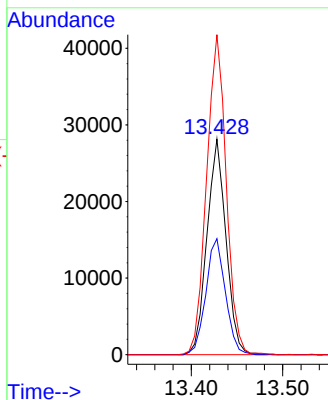
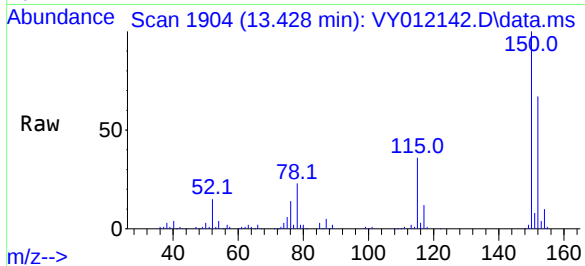




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

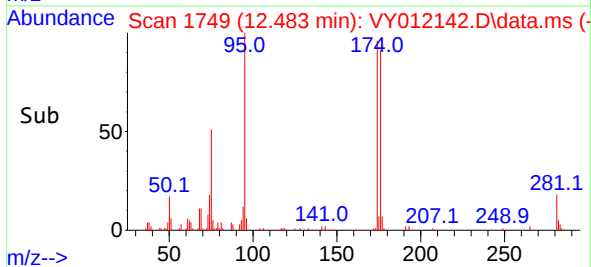
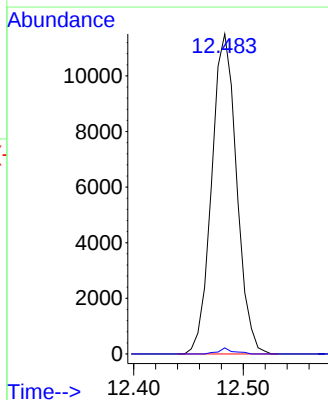
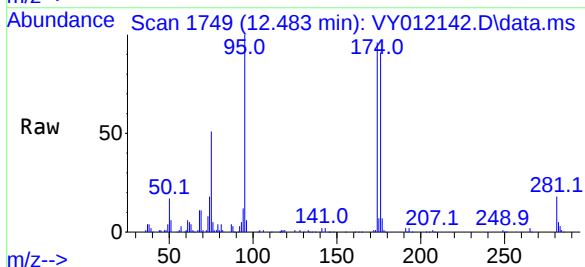
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923

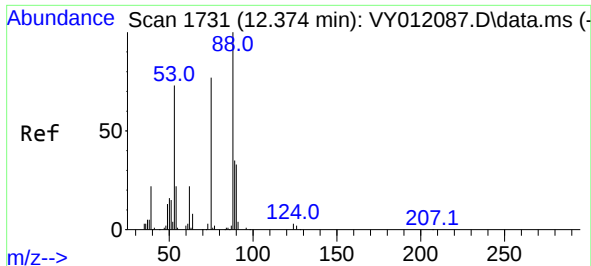
Tgt Ion:152 Resp: 40723
Ion Ratio Lower Upper
152 100
115 55.2 29.1 87.3
150 153.1 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 39.150 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

Tgt Ion: 75 Resp: 18204
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.947 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012142.D
 Acq: 10 Jan 2023 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-3-010923

Tgt Ion: 75 Resp: 18204
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.2 37.0 55.4#

