

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012627.D
 Acq On : 16 Feb 2023 10:38
 Operator : KP/MD
 Sample : VY0216SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0216SBL01

Quant Time: Feb 16 21:56:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

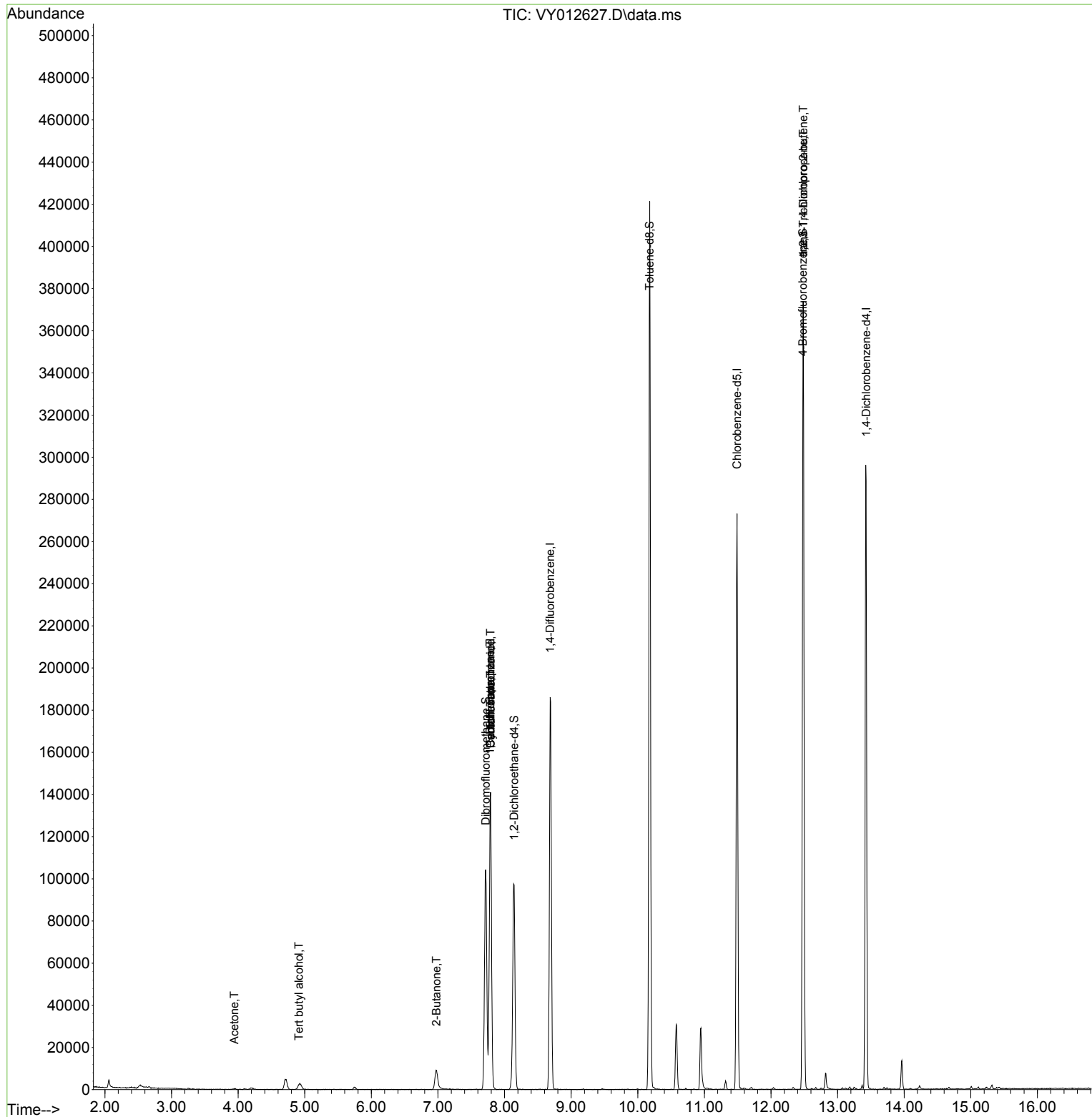
Internal Standards						
1) Pentafluorobenzene	7.789	168	113524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	172397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	157514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	85017	58.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.780%
35) Dibromofluoromethane	7.716	113	72698	57.904	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.800%
50) Toluene-d8	10.179	98	278557	53.305	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.600%
62) 4-Bromofluorobenzene	12.477	95	90832	49.832	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.660%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	45	Below Cal	#	41
5) Bromomethane	2.656	94	240	Below Cal	#	62
11) Tert butyl alcohol	4.912	59	2785	11.330	ug/l #	75
16) Acetone	3.942	43	649	1.868	ug/l #	82
20) Methylene Chloride	4.723	84	4278	Below Cal		90
25) 2-Butanone	6.978	43	454	1.178	ug/l #	40
31) Cyclohexane	7.789	56	2081	1.247	ug/l #	42
36) 1,1-Dichloropropene	7.783	75	7417	4.365	ug/l #	49
38) Carbon Tetrachloride	7.789	117	11251	4.933	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	48524	52.776	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48524	119.012	ug/l #	13

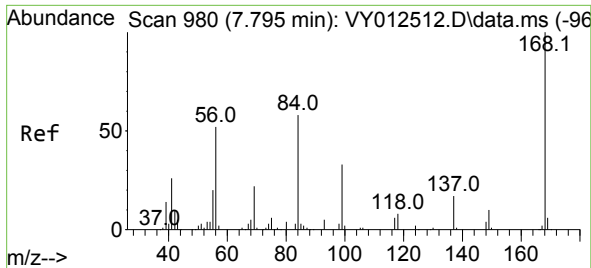
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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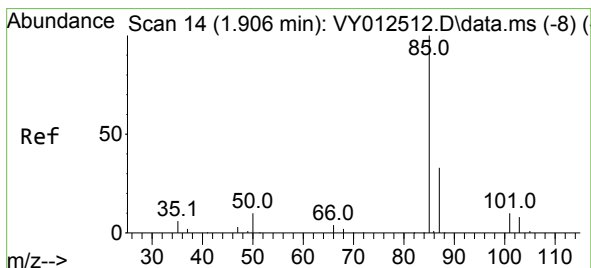
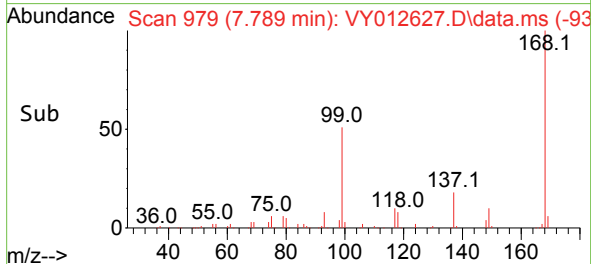
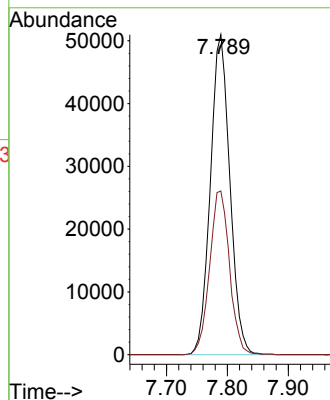
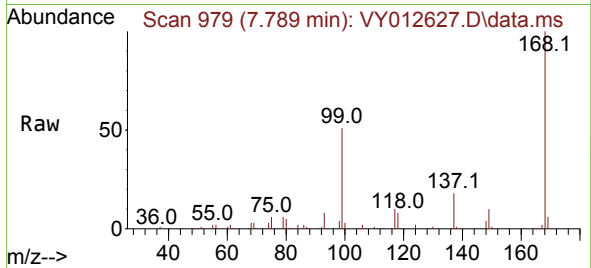




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

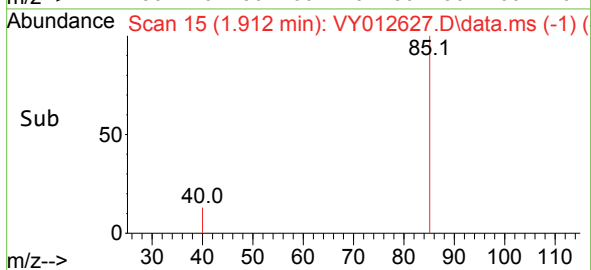
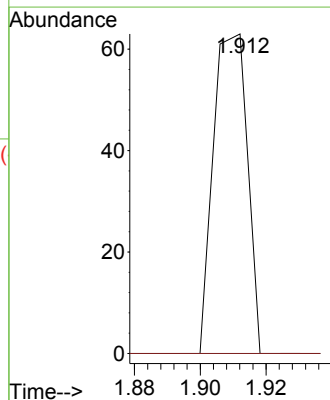
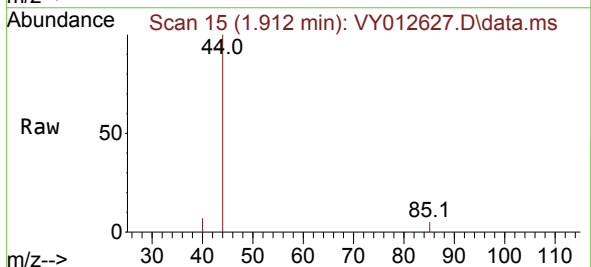
Instrument :
MSVOA_Y
ClientSampleId :
VY0216SBL01

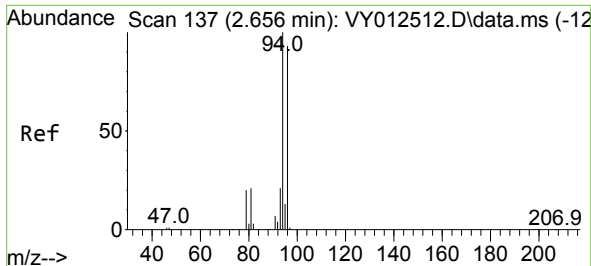
Tgt Ion:168 Resp: 113524
Ion Ratio Lower Upper
168 100
99 51.2 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

Tgt Ion: 85 Resp: 45
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

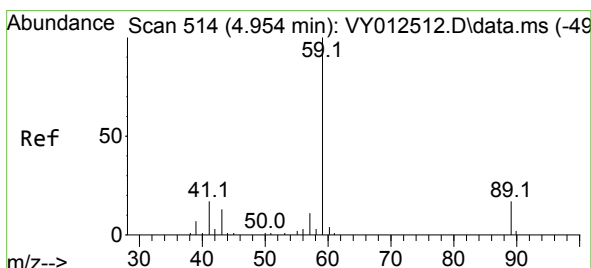
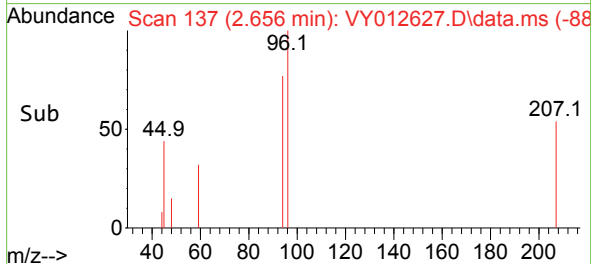
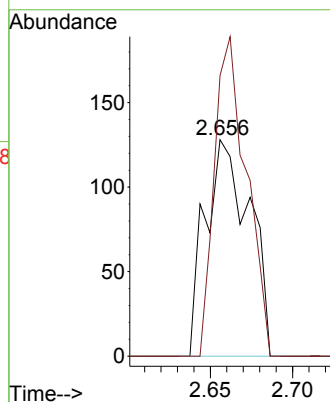
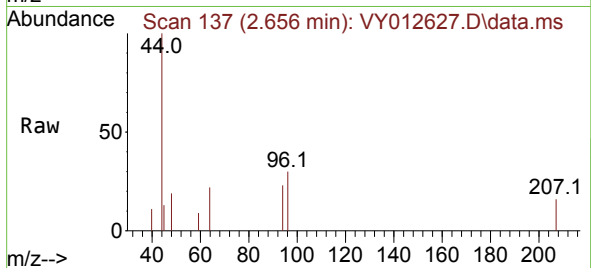




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

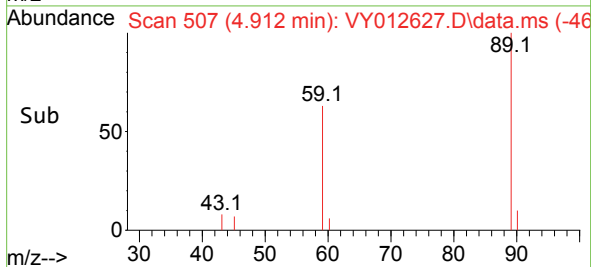
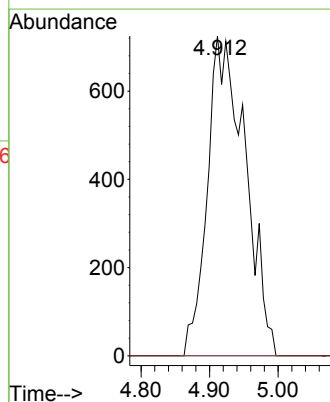
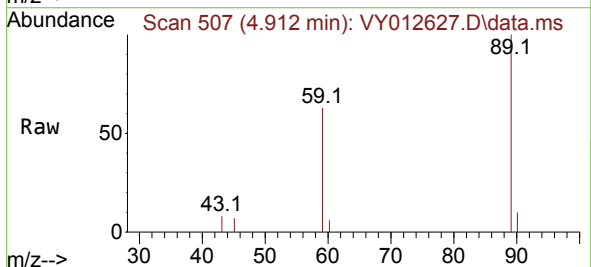
Instrument :
MSVOA_Y
ClientSampleId :
VY0216SBL01

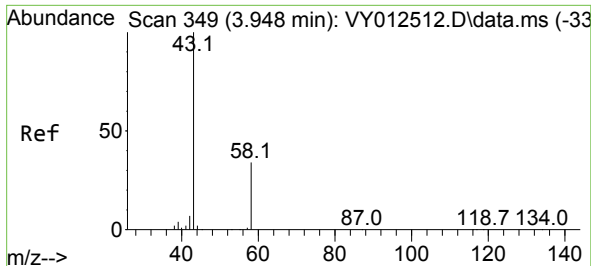
Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 129.7 74.7 112.1#



#11
Tert butyl alcohol
Concen: 11.330 ug/l
RT: 4.912 min Scan# 507
Delta R.T. -0.042 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

Tgt Ion: 59 Resp: 2785
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 1.868 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY012627.D

Acq: 16 Feb 2023 10:38

Instrument :

MSVOA_Y

ClientSampleId :

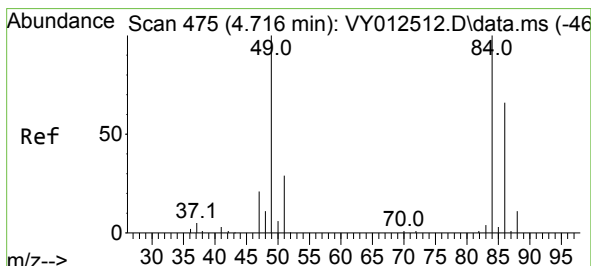
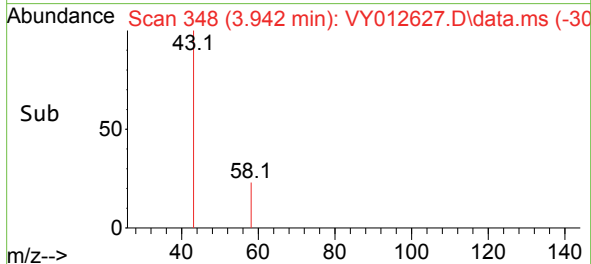
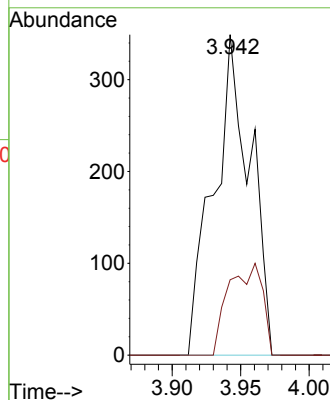
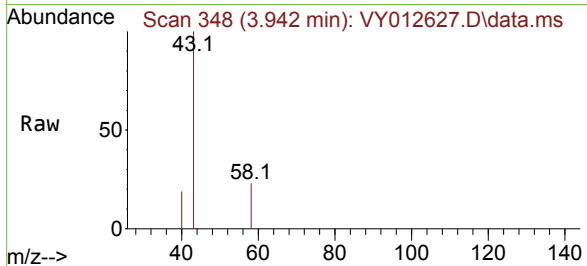
VY0216SBL01

Tgt Ion: 43 Resp: 649

Ion Ratio Lower Upper

43 100

58 23.5 27.1 40.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.723 min Scan# 476

Delta R.T. 0.007 min

Lab File: VY012627.D

Acq: 16 Feb 2023 10:38

Tgt Ion: 84 Resp: 4278

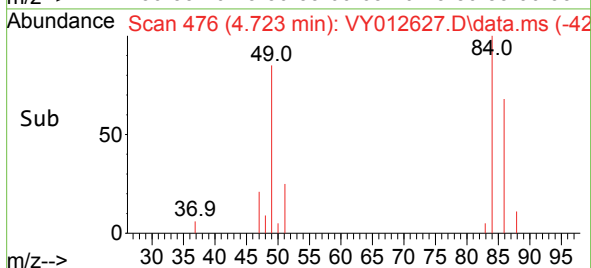
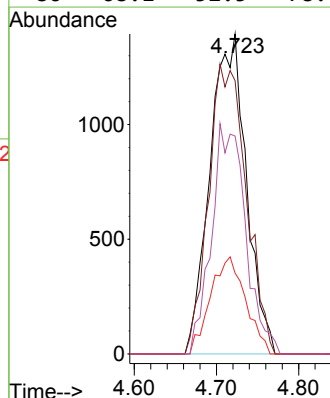
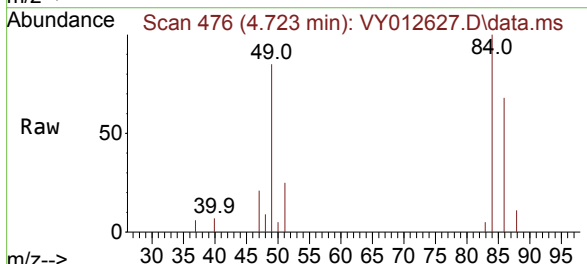
Ion Ratio Lower Upper

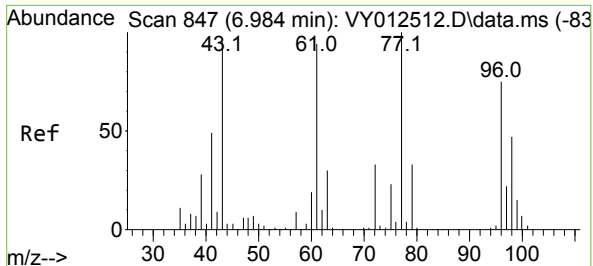
84 100

49 85.4 79.8 119.6

51 25.2 23.4 35.2

86 68.1 52.5 78.7





#25

2-Butanone

Concen: 1.178 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012627.D

Acq: 16 Feb 2023 10:38

Instrument :

MSVOA_Y

ClientSampleId :

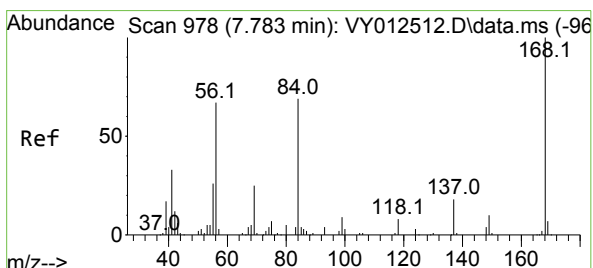
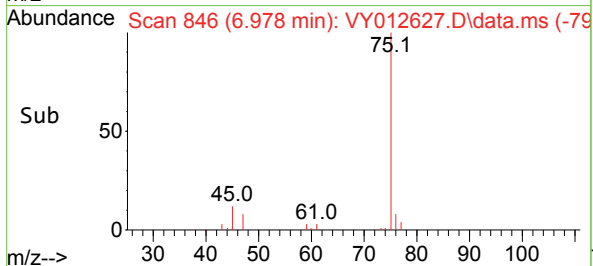
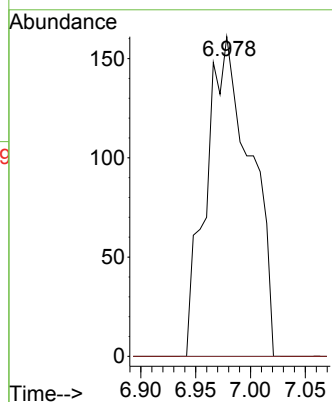
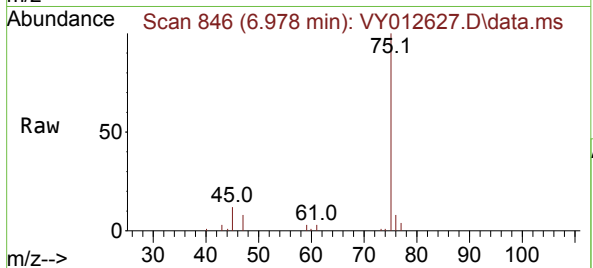
VY0216SBL01

Tgt Ion: 43 Resp: 454

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#



#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012627.D

Acq: 16 Feb 2023 10:38

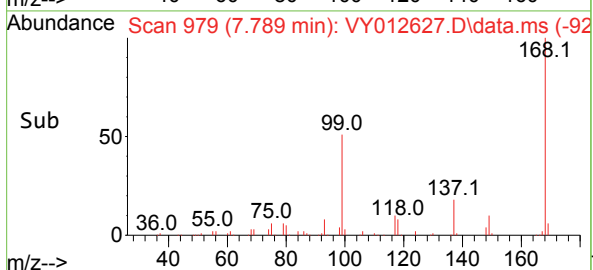
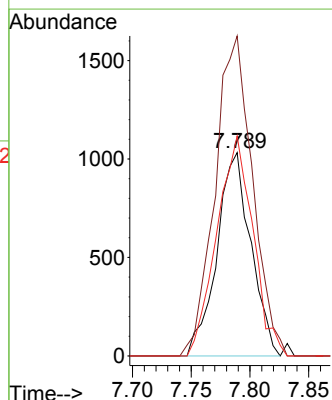
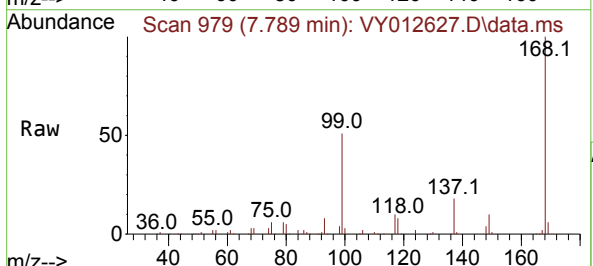
Tgt Ion: 56 Resp: 2081

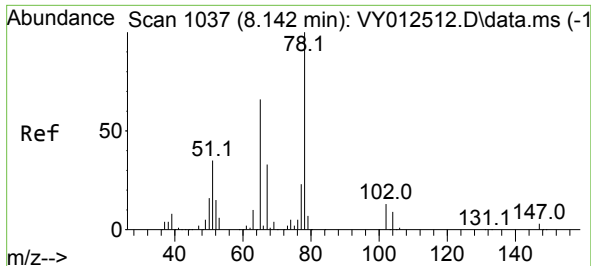
Ion Ratio Lower Upper

56 100

69 157.3 29.5 44.3#

84 108.1 81.9 122.9





#33

1,2-Dichloroethane-d4

Concen: 58.892 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY012627.D

Acq: 16 Feb 2023 10:38

Instrument :

MSVOA_Y

ClientSampleId :

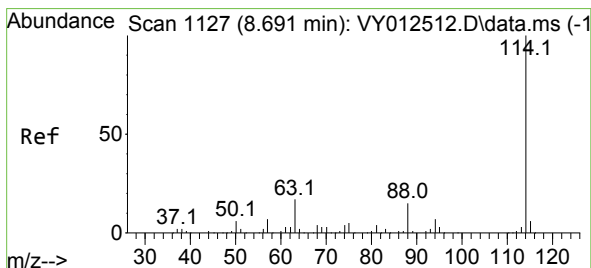
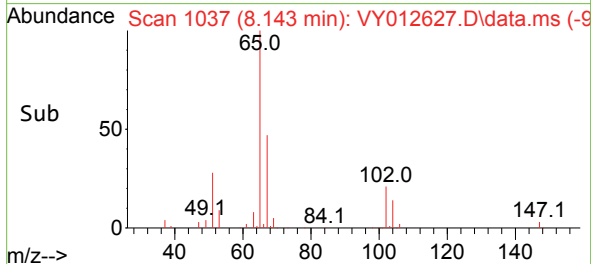
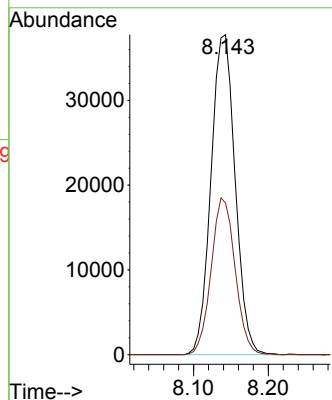
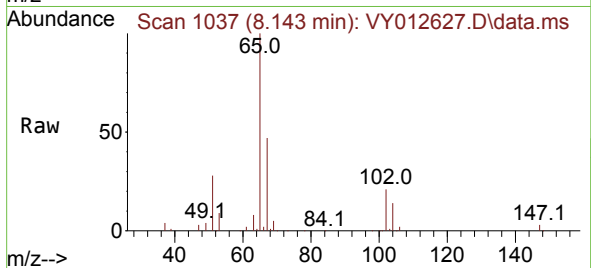
VY0216SBL01

Tgt Ion: 65 Resp: 85017

Ion Ratio Lower Upper

65 100

67 48.5 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012627.D

Acq: 16 Feb 2023 10:38

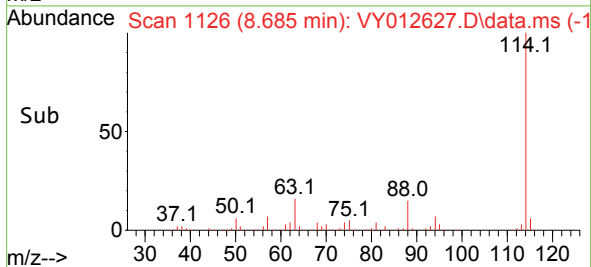
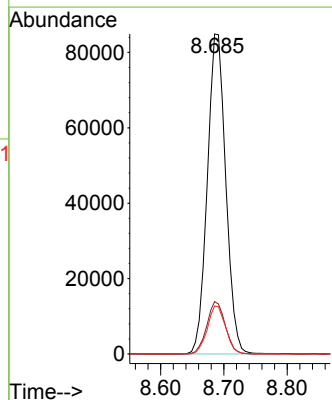
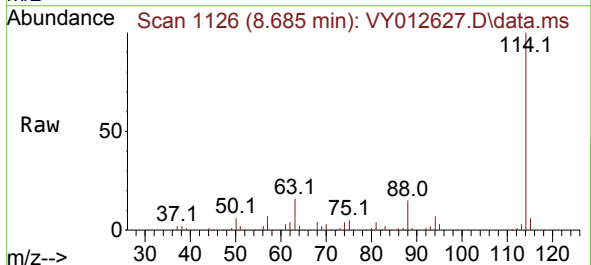
Tgt Ion:114 Resp: 172397

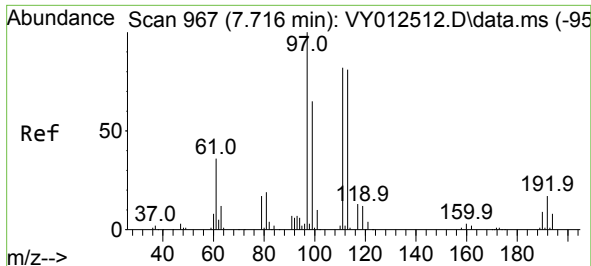
Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.6

88 15.0 0.0 29.8

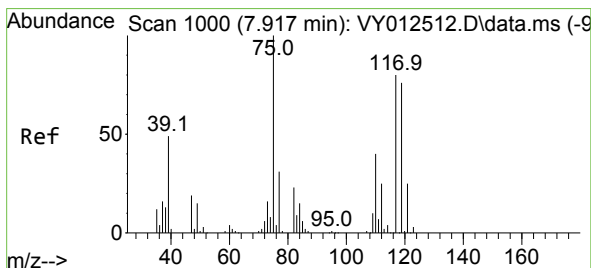
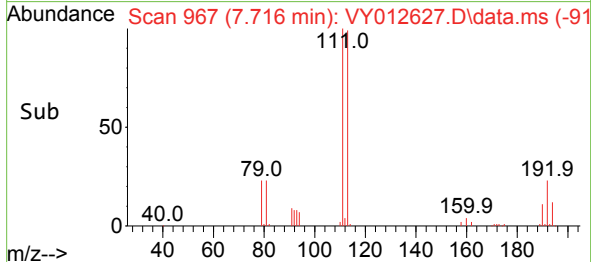
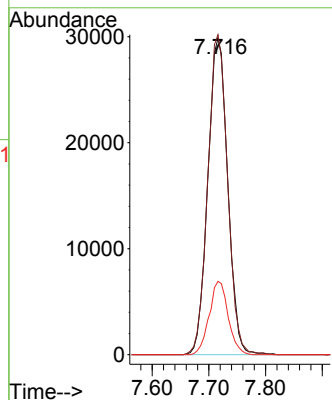
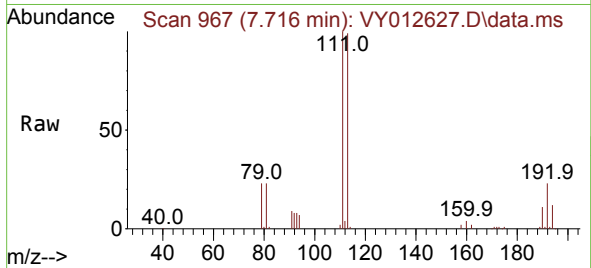




#35
Dibromofluoromethane
Concen: 57.904 ug/l
RT: 7.716 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

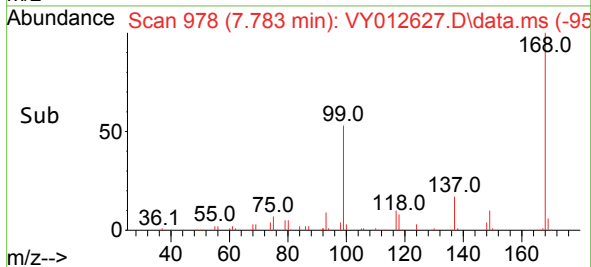
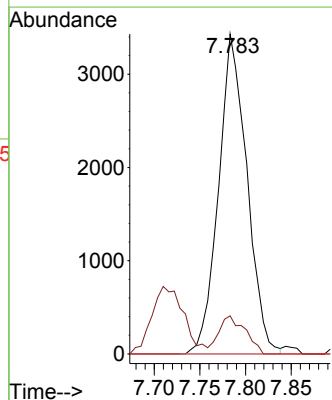
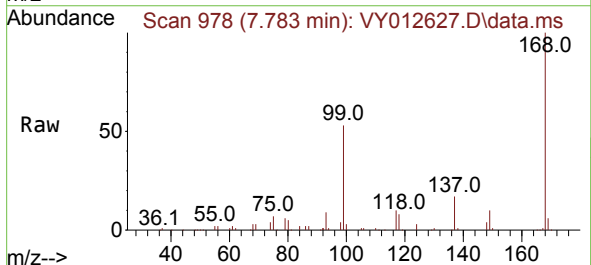
Instrument :
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VY0216SBL01

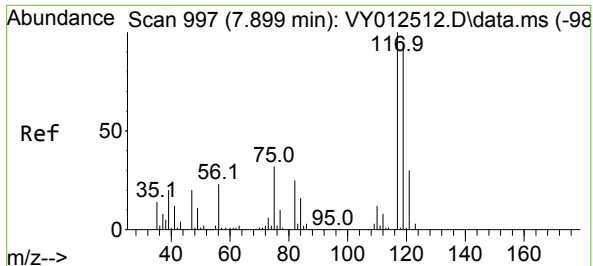
Tgt Ion:113 Resp: 72698
Ion Ratio Lower Upper
113 100
111 100.4 81.9 122.9
192 22.1 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

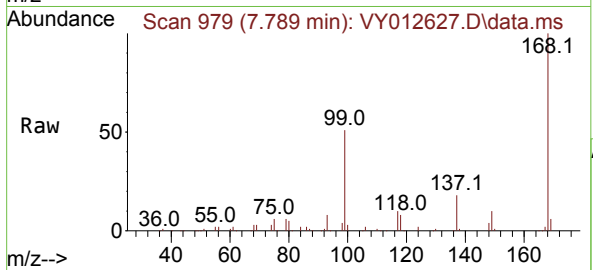
Tgt Ion: 75 Resp: 7417
Ion Ratio Lower Upper
75 100
110 11.0 19.5 58.5#
77 0.0 24.9 37.3#



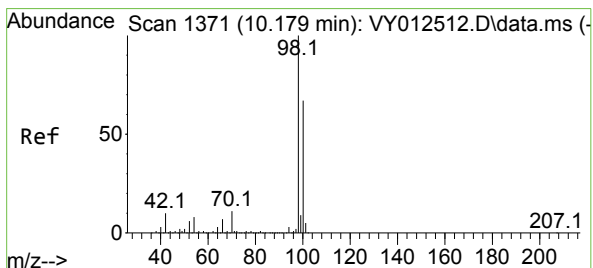
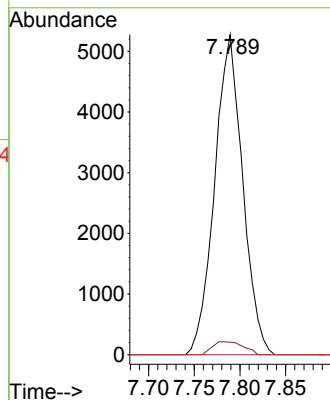
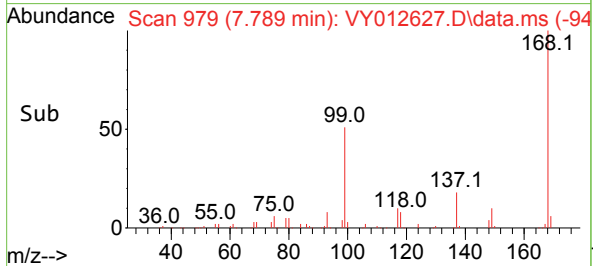


#38
Carbon Tetrachloride
Concen: 4.933 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0216SBL01

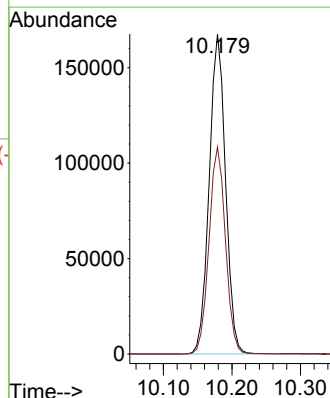
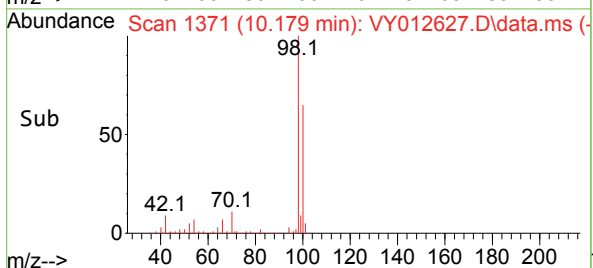
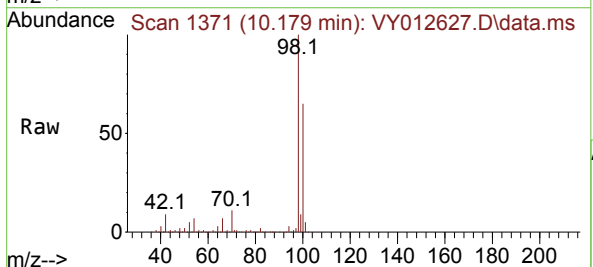


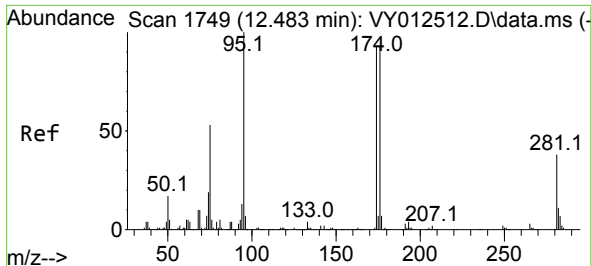
Tgt Ion:117 Resp: 11251
Ion Ratio Lower Upper
117 100
119 3.9 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 53.305 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

Tgt Ion: 98 Resp: 278557
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

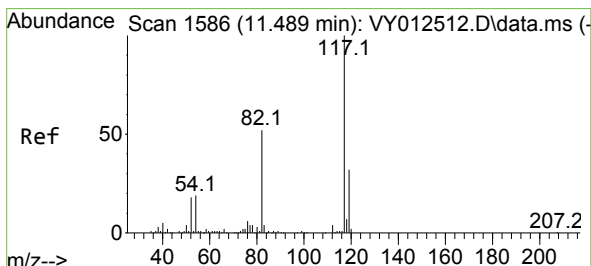
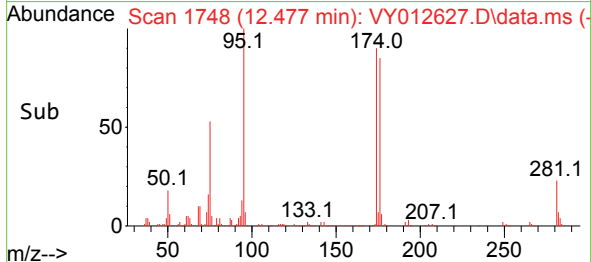
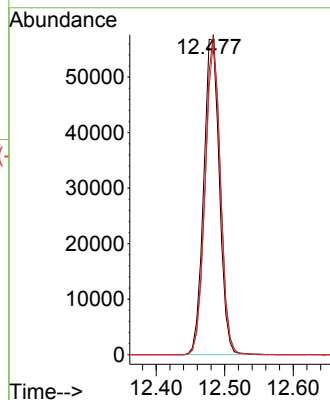
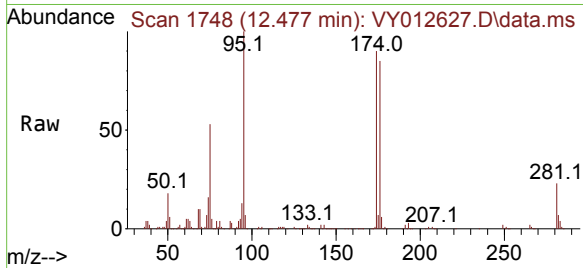




#62
4-Bromofluorobenzene
Concen: 49.832 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

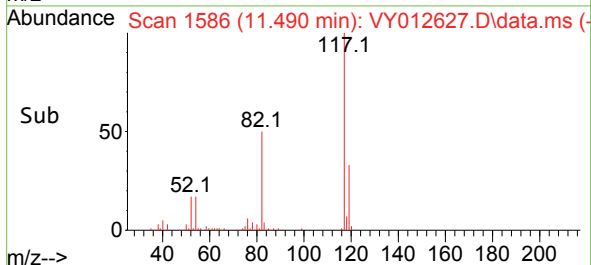
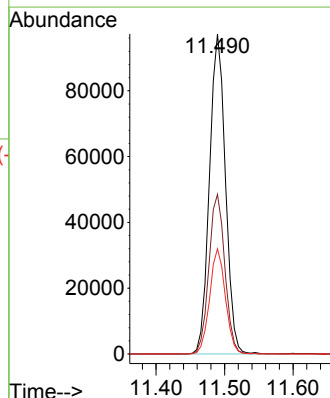
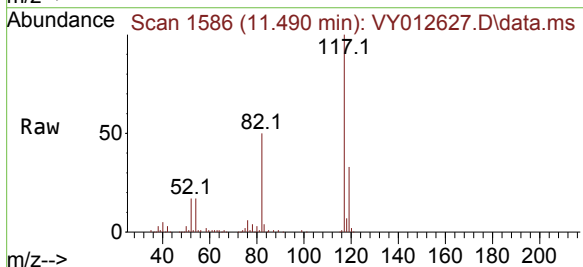
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MSVOA_Y
ClientSampleId :
VY0216SBL01

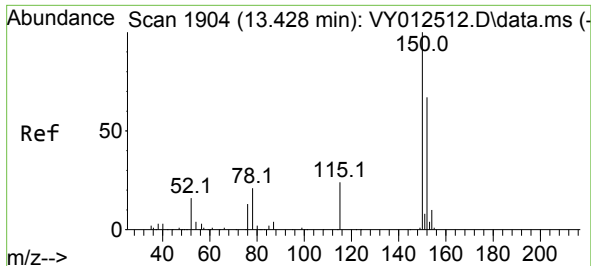
Tgt Ion: 95 Resp: 90832
Ion Ratio Lower Upper
95 100
174 98.6 0.0 188.0
176 95.7 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012627.D
Acq: 16 Feb 2023 10:38

Tgt Ion: 117 Resp: 157514
Ion Ratio Lower Upper
117 100
82 49.9 41.7 62.5
119 32.8 25.8 38.8

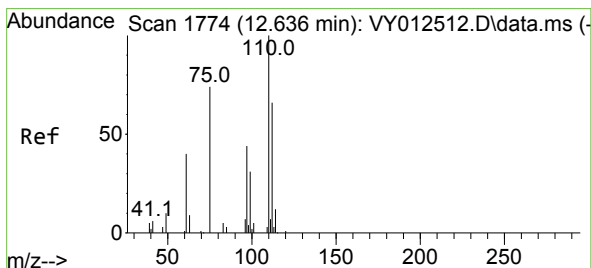
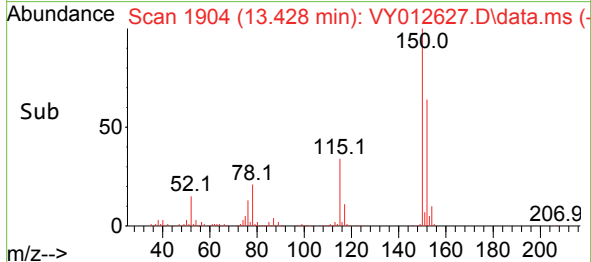
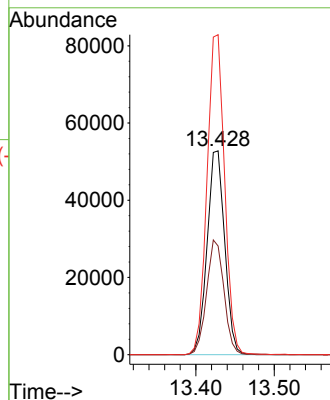
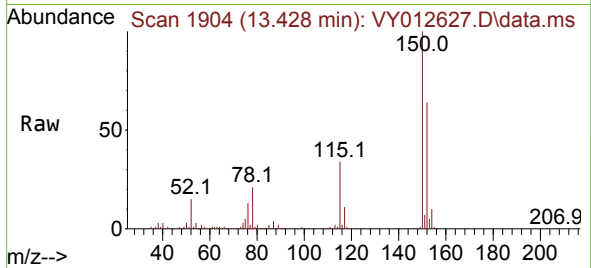




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012627.D
 Acq: 16 Feb 2023 10:38

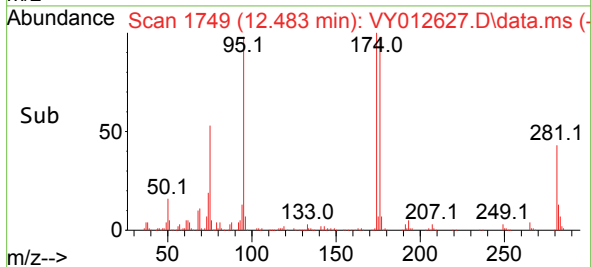
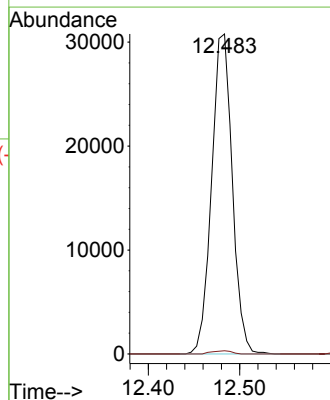
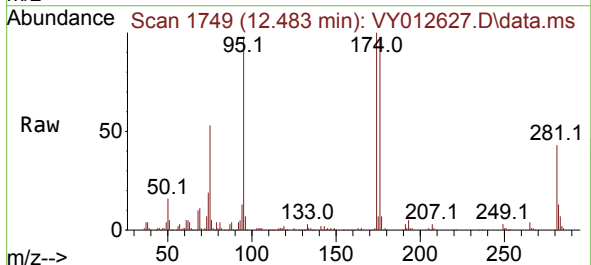
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0216SBL01

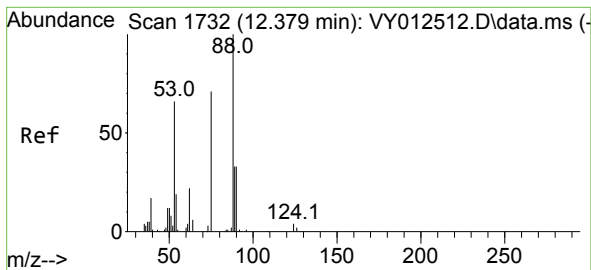
Tgt Ion:152 Resp: 82296
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.1 84.3
 150 156.9 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 52.776 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012627.D
 Acq: 16 Feb 2023 10:38

Tgt Ion: 75 Resp: 48524
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.012 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012627.D
 Acq: 16 Feb 2023 10:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0216SBL01

Tgt Ion: 75 Resp: 48524
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.1 109.7#
 89 0.5 39.9 59.9#

