

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012619.D
 Acq On : 15 Feb 2023 17:11
 Operator : KP/MD
 Sample : 01559-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 01:00:10 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)

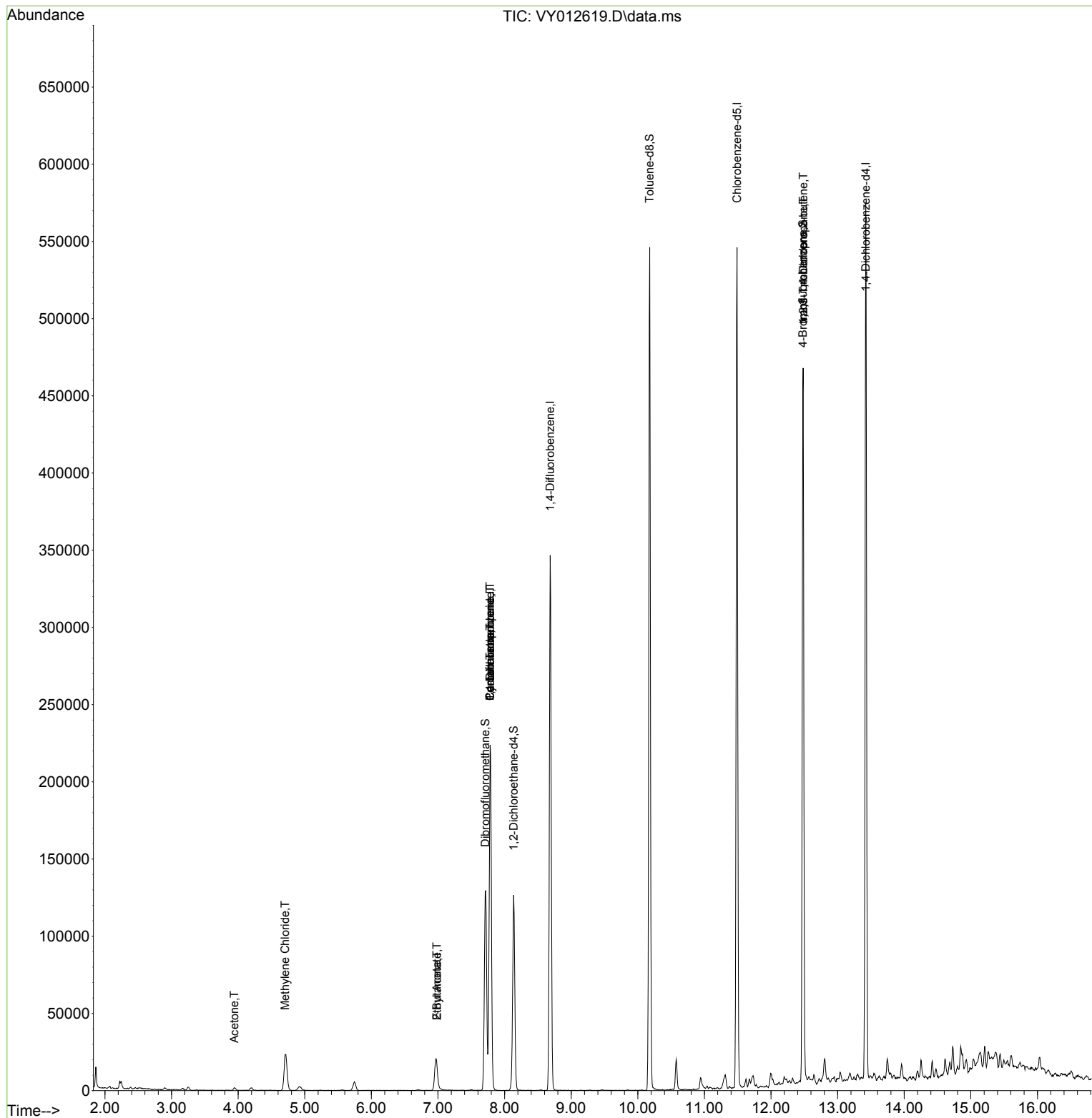
Internal Standards						
1) Pentafluorobenzene	7.783	168	184668	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	308811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	312187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	152519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	99885	42.535	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.080%
35) Dibromofluoromethane	7.710	113	91804	40.821	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.640%
50) Toluene-d8	10.179	98	365042	38.997	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.000%
62) 4-Bromofluorobenzene	12.477	95	132964	40.723	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.440%
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	22	Below Cal	#	41
5) Bromomethane	2.668	94	97	Below Cal	#	55
11) Tert butyl alcohol	4.918	59	1374	Below Cal	#	75
16) Acetone	3.942	43	2695	4.768	ug/l #	77
20) Methylene Chloride	4.704	84	20205	5.846	ug/l	95
25) 2-Butanone	6.984	43	1572	2.507	ug/l #	72
31) Cyclohexane	7.783	56	3112	1.146	ug/l #	6
36) 1,1-Dichloropropene	7.783	75	12093	3.973	ug/l #	49
37) Ethyl Acetate	6.984	43	1572	1.145	ug/l #	25
38) Carbon Tetrachloride	7.783	117	17534	4.291	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	68851	40.406	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68851	91.117	ug/l #	13

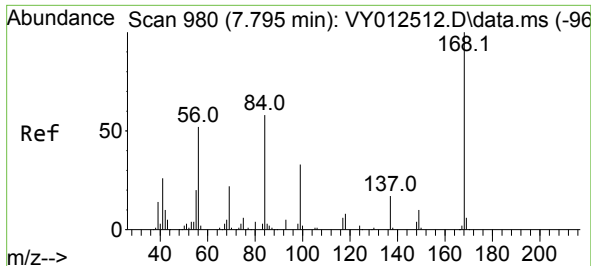
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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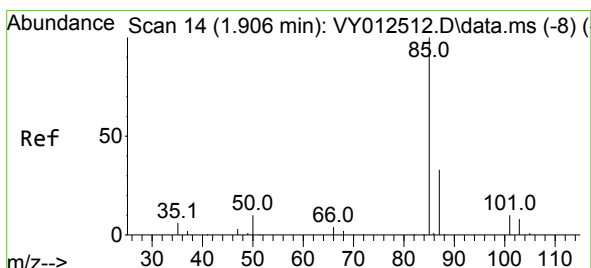
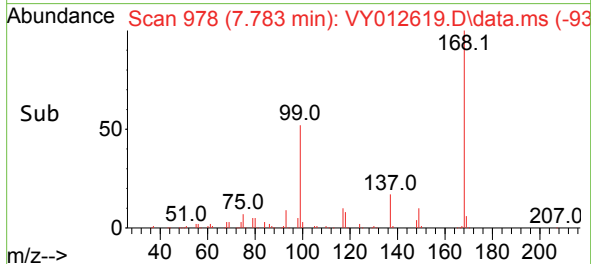
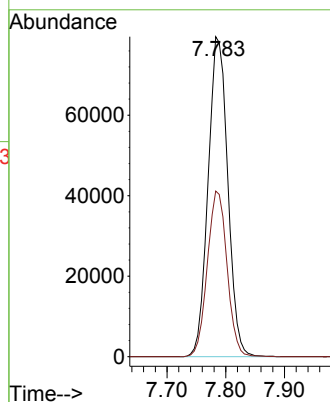
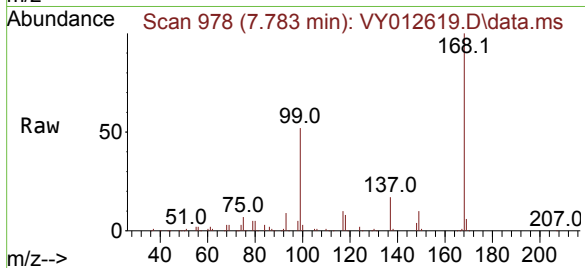




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

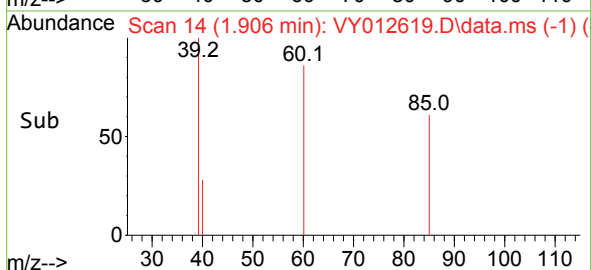
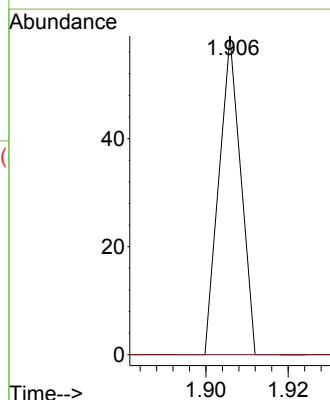
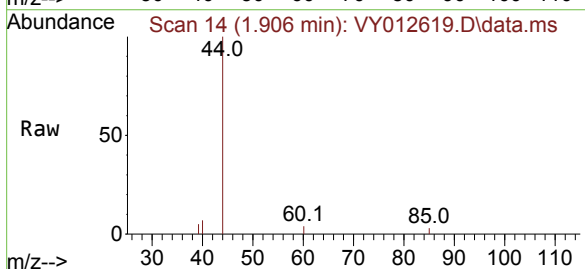
Instrument :
MSVOA_Y
ClientSampleId :

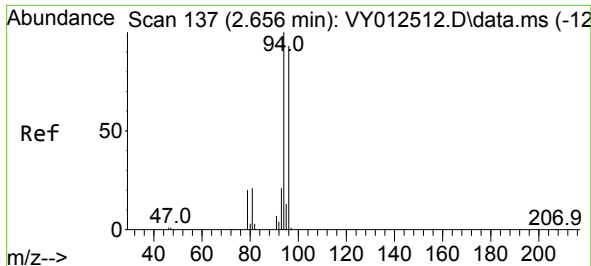
Tgt Ion:168 Resp: 184668
Ion Ratio Lower Upper
168 100
99 51.8 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

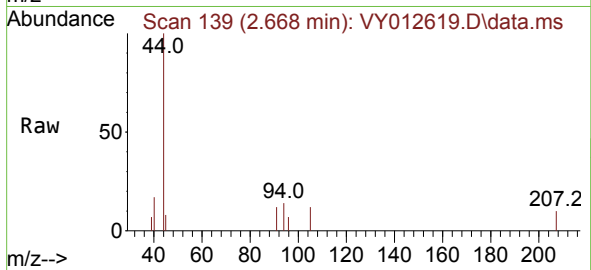
Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#



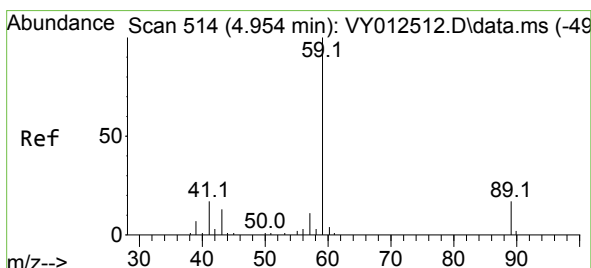
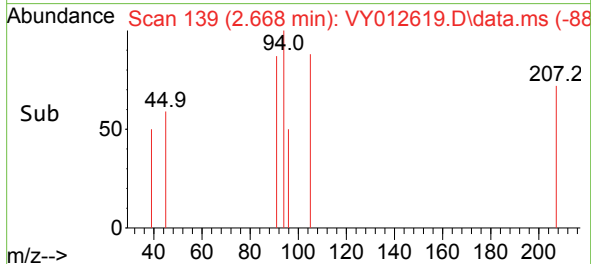
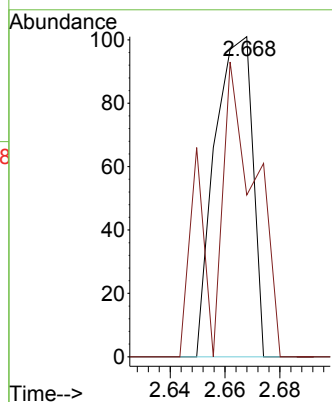


#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

Instrument :
MSVOA_Y
ClientSampleId :

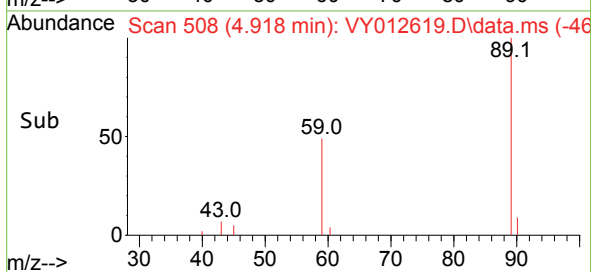
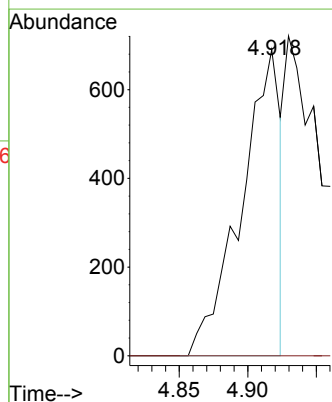
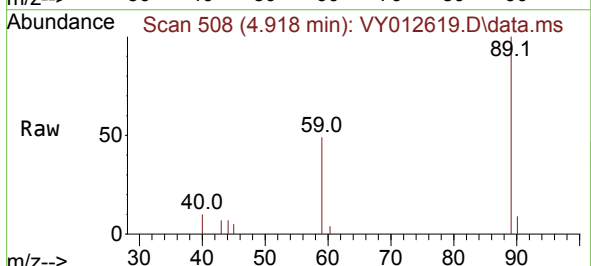


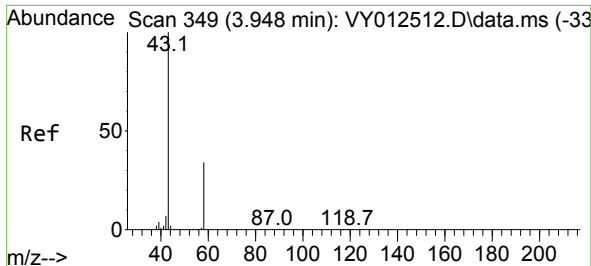
Tgt Ion: 94 Resp: 97
Ion Ratio Lower Upper
94 100
96 50.5 74.7 112.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

Tgt Ion: 59 Resp: 1374
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 4.768 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY012619.D

Acq: 15 Feb 2023 17:11

Instrument :

MSVOA_Y

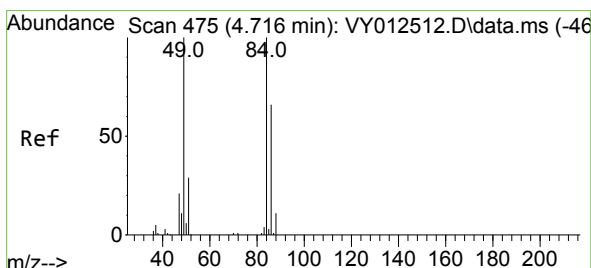
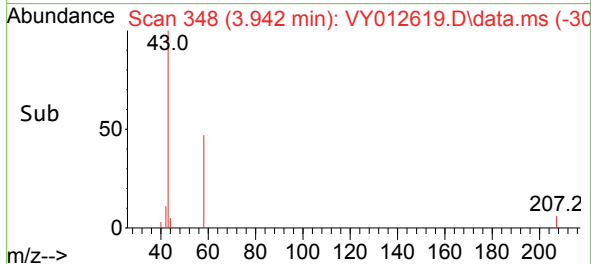
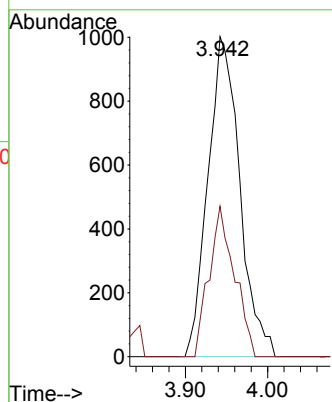
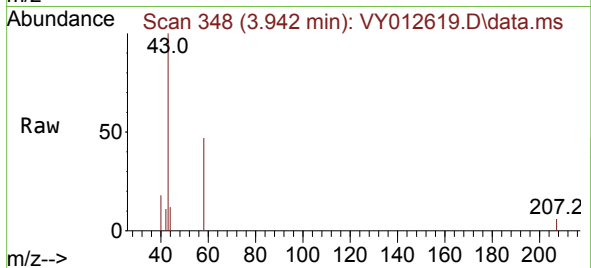
ClientSampleId :

Tgt Ion: 43 Resp: 2695

Ion Ratio Lower Upper

43 100

58 47.0 27.1 40.7#



#20

Methylene Chloride

Concen: 5.846 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY012619.D

Acq: 15 Feb 2023 17:11

Tgt Ion: 84 Resp: 20205

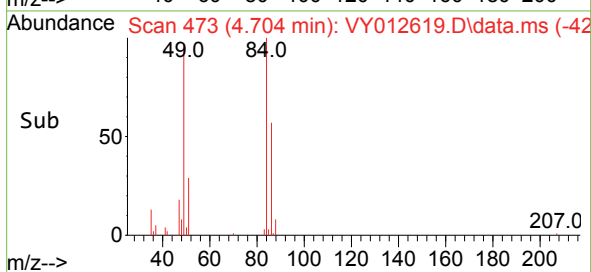
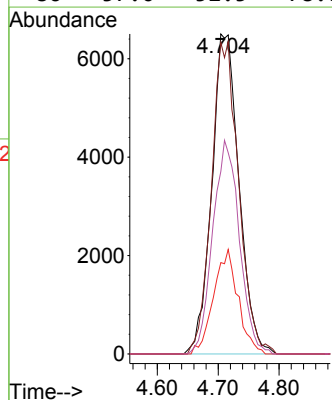
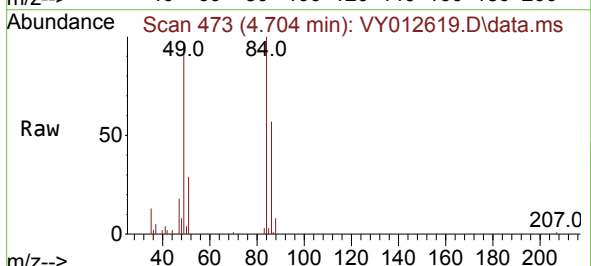
Ion Ratio Lower Upper

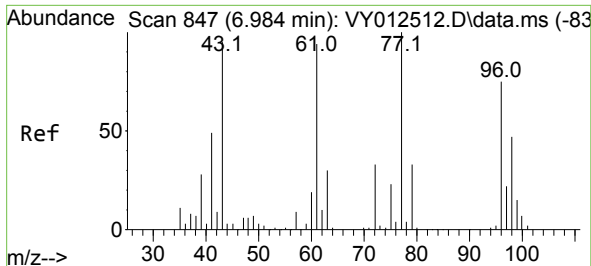
84 100

49 97.3 79.8 119.6

51 28.5 23.4 35.2

86 57.0 52.5 78.7





#25

2-Butanone

Concen: 2.507 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012619.D

Acq: 15 Feb 2023 17:11

Instrument :

MSVOA_Y

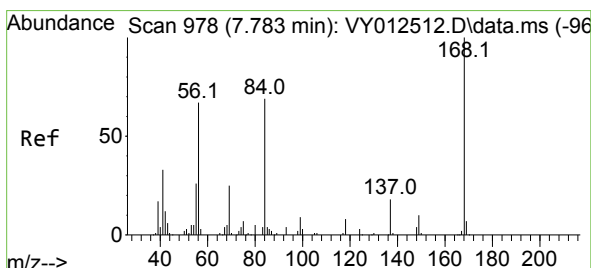
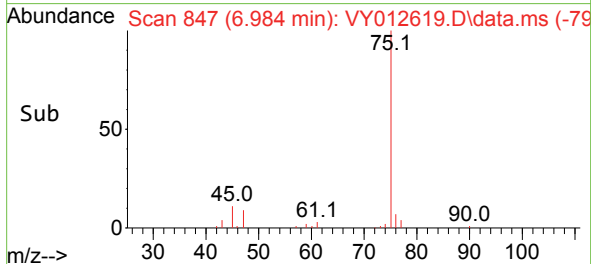
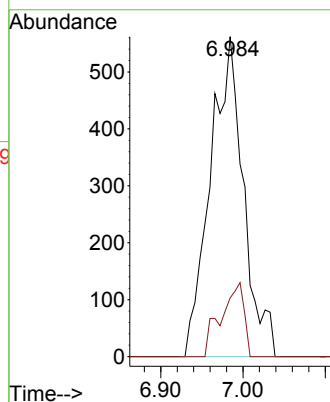
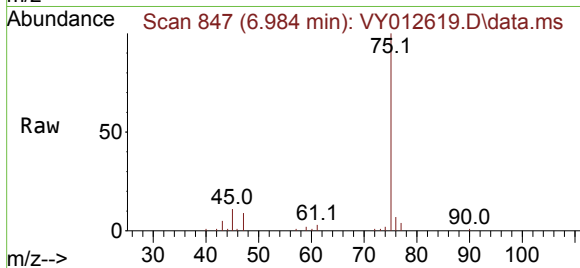
ClientSampleId :

Tgt Ion: 43 Resp: 1572

Ion Ratio Lower Upper

43 100

72 18.3 27.4 41.2#



#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY012619.D

Acq: 15 Feb 2023 17:11

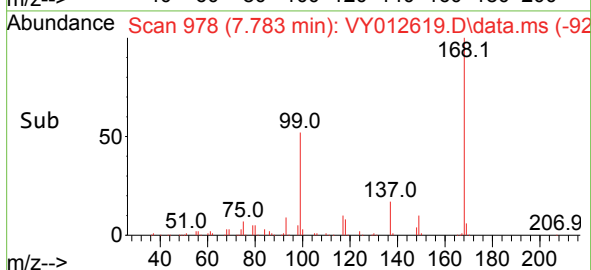
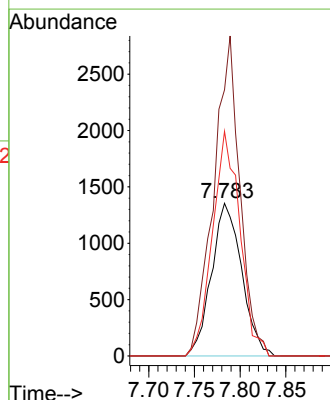
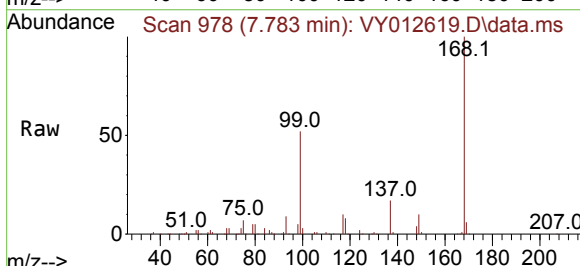
Tgt Ion: 56 Resp: 3112

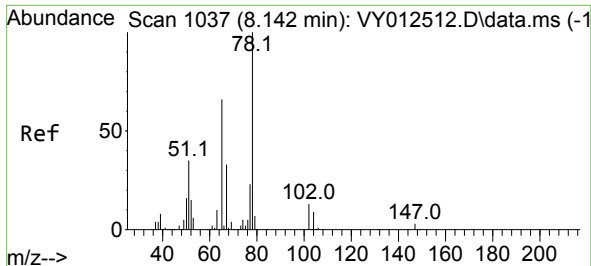
Ion Ratio Lower Upper

56 100

69 174.2 29.5 44.3#

84 147.1 81.9 122.9#





#33

1,2-Dichloroethane-d4

Concen: 42.535 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY012619.D

Acq: 15 Feb 2023 17:11

Instrument :

MSVOA_Y

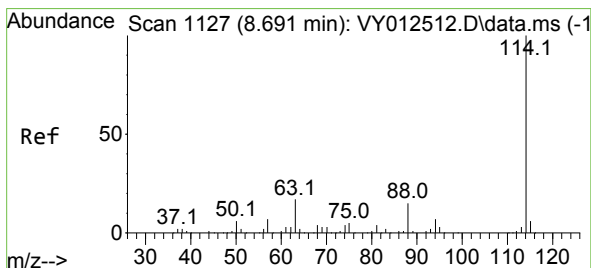
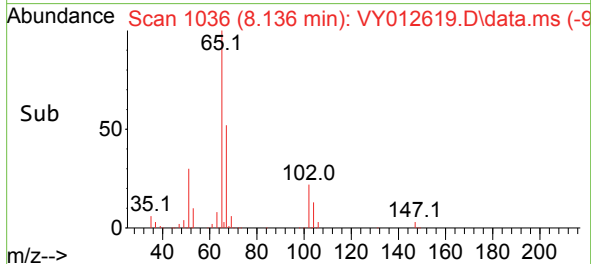
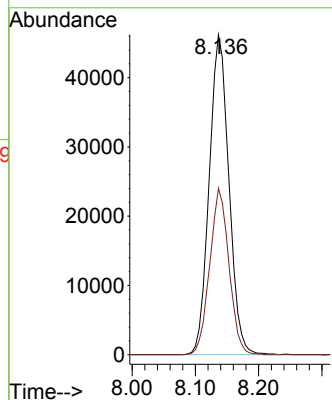
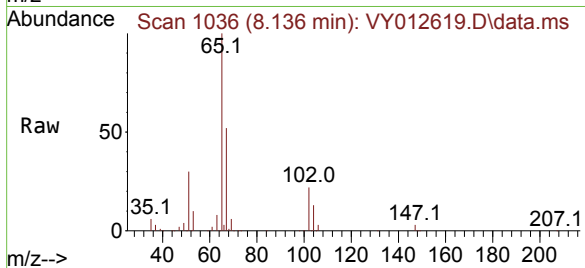
ClientSampleId :

Tgt Ion: 65 Resp: 99885

Ion Ratio Lower Upper

65 100

67 50.8 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: VY012619.D

Acq: 15 Feb 2023 17:11

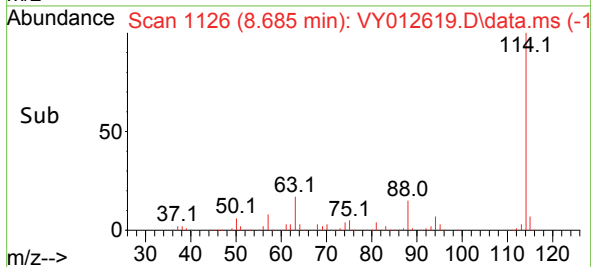
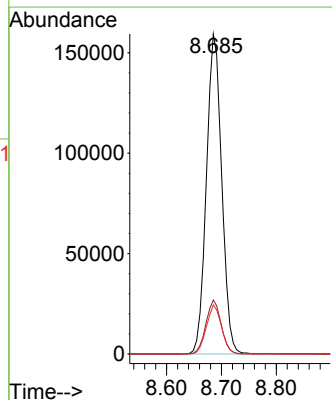
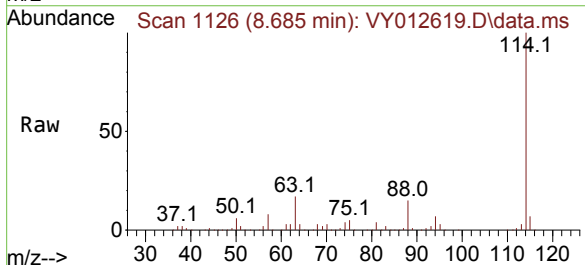
Tgt Ion: 114 Resp: 308811

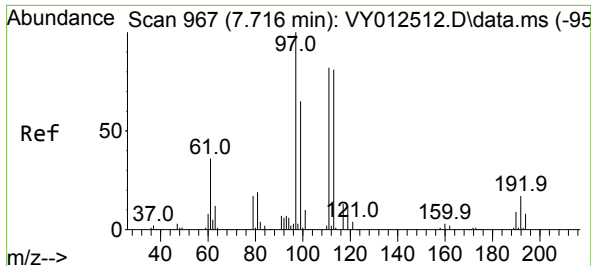
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.6

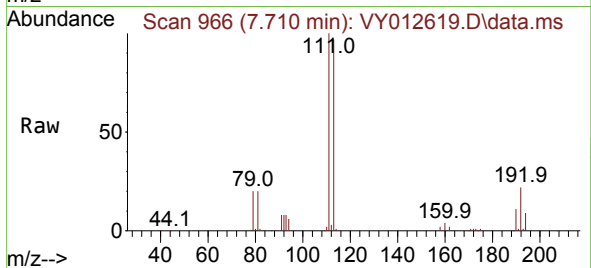
88 15.3 0.0 29.8



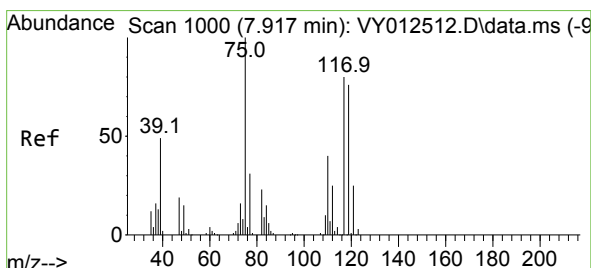
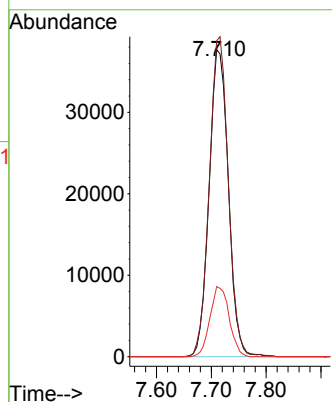
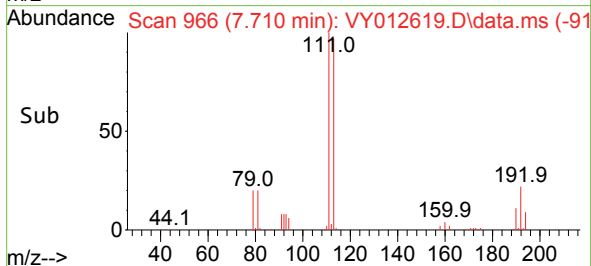


#35
Dibromofluoromethane
Concen: 40.821 ug/l
RT: 7.710 min Scan# 918
Delta R.T. -0.006 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

Instrument :
MSVOA_Y
ClientSampleId :

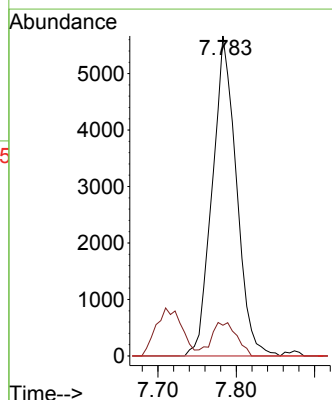
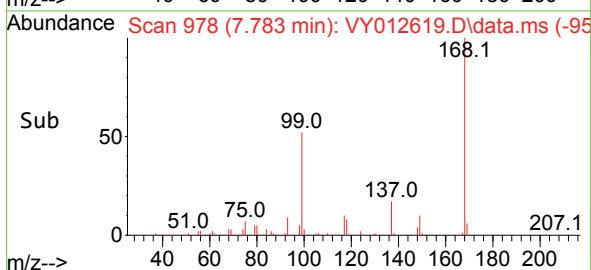
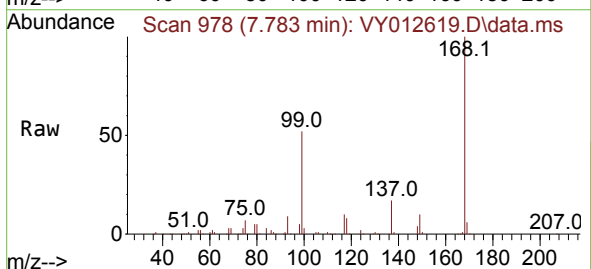


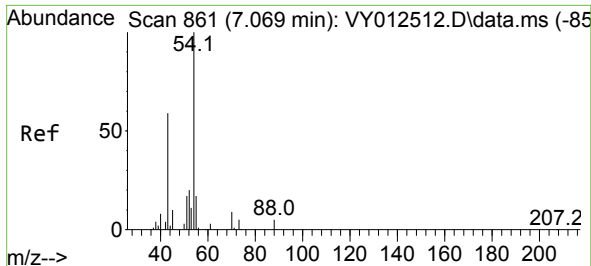
Tgt Ion:113 Resp: 91804
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 22.8 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.973 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

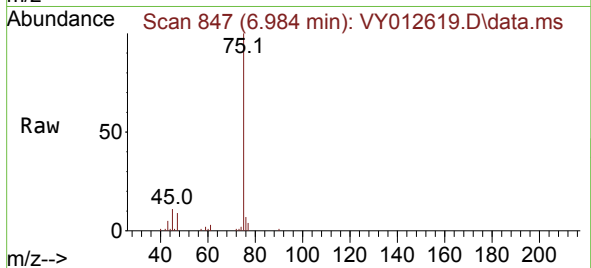
Tgt Ion: 75 Resp: 12093
Ion Ratio Lower Upper
75 100
110 10.9 19.5 58.5#
77 0.0 24.9 37.3#



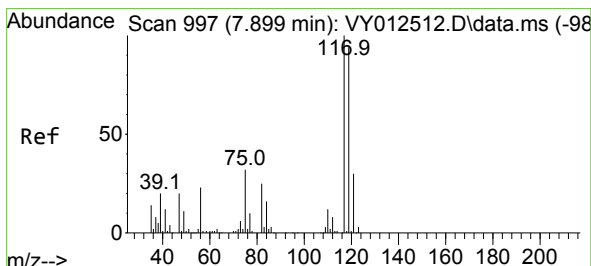
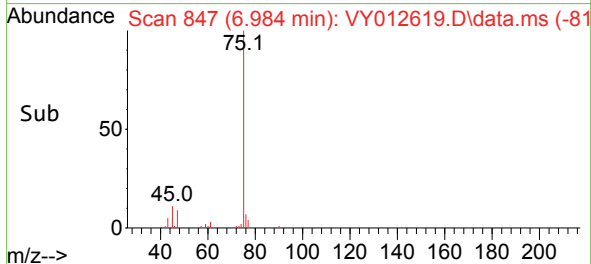
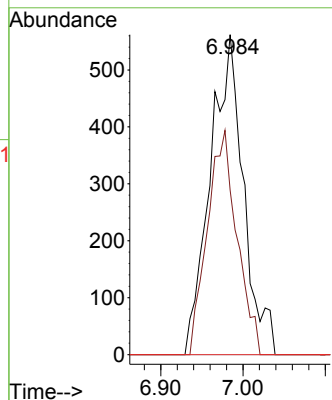


#37
Ethyl Acetate
Concen: 1.145 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

Instrument :
MSVOA_Y
ClientSampleId :

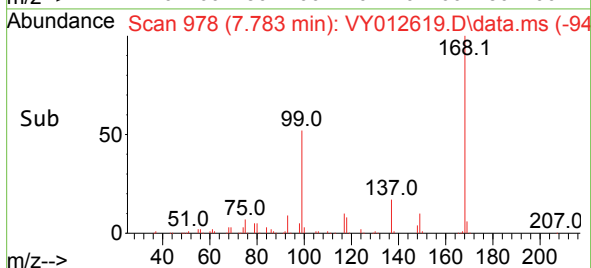
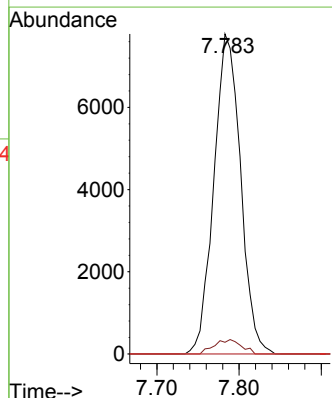
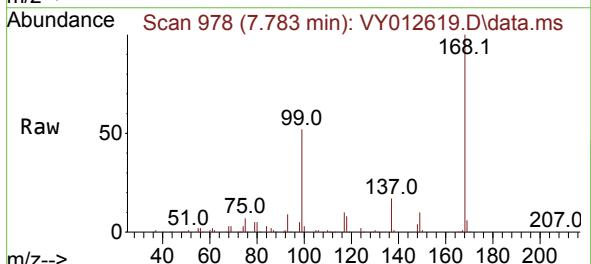


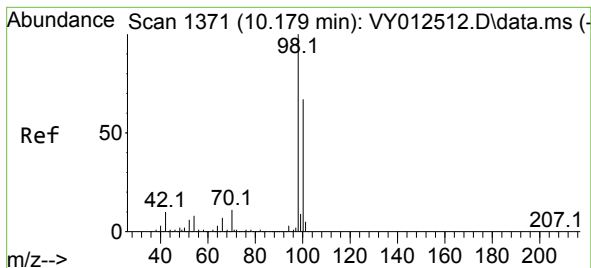
Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
61 62.6 12.5 18.7#
70 0.0 11.0 16.4#



#38
Carbon Tetrachloride
Concen: 4.291 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

Tgt Ion: 117 Resp: 17534
Ion Ratio Lower Upper
117 100
119 3.6 75.1 112.7#
121 0.0 24.3 36.5#

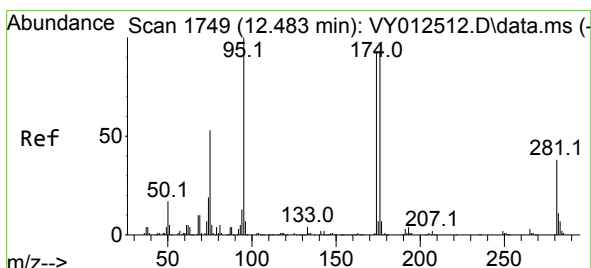
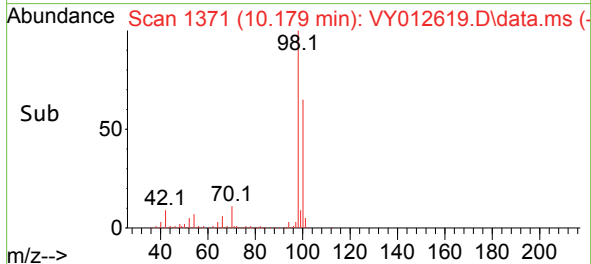
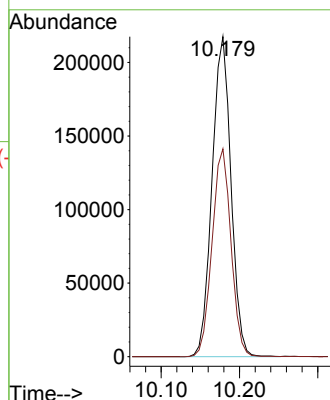
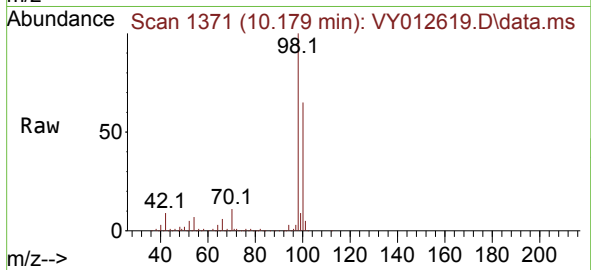




#50
Toluene-d8
Concen: 38.997 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

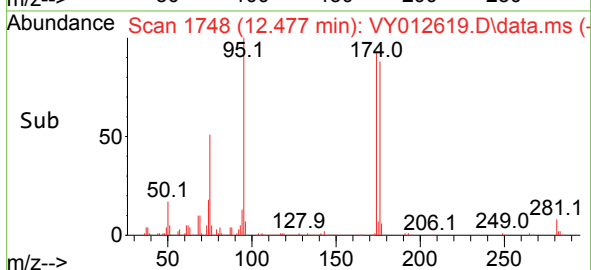
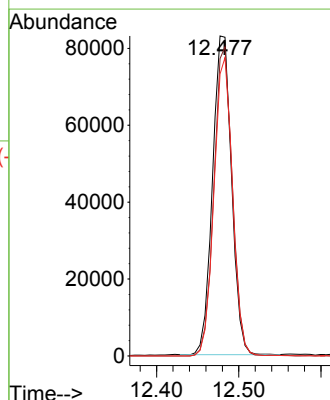
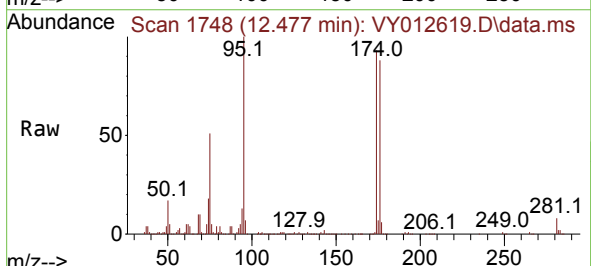
Instrument :
MSVOA_Y
ClientSampleId :

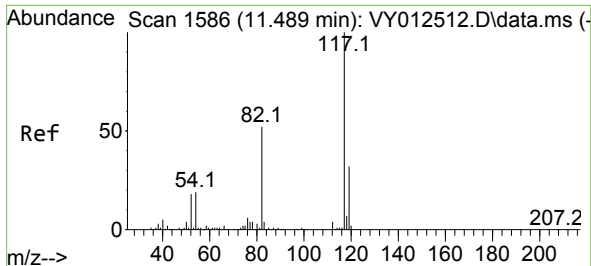
Tgt Ion: 98 Resp: 365042
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.723 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

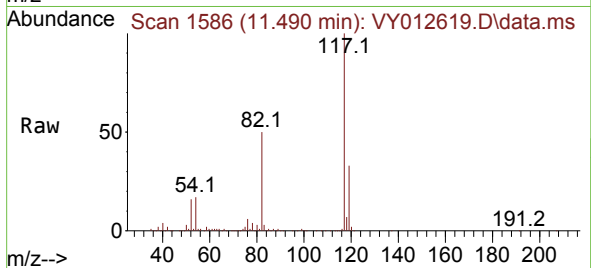
Tgt Ion: 95 Resp: 132964
Ion Ratio Lower Upper
95 100
174 94.4 0.0 188.0
176 91.4 0.0 183.6



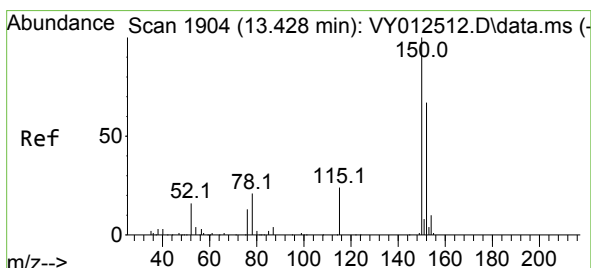
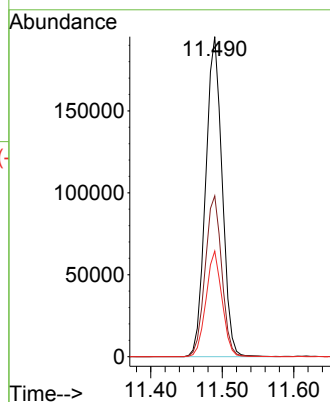
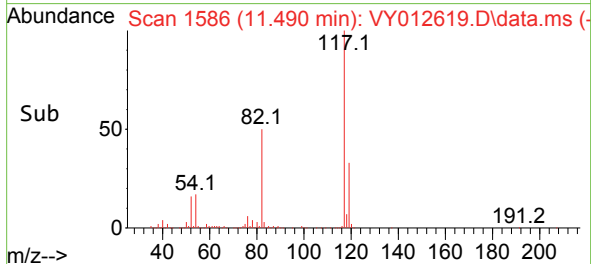


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

Instrument :
MSVOA_Y
ClientSampleId :

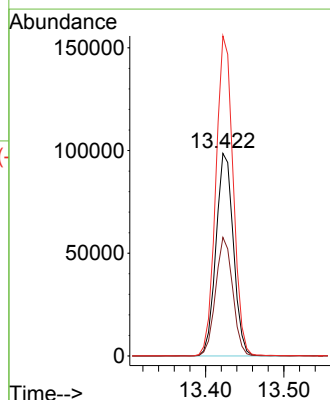
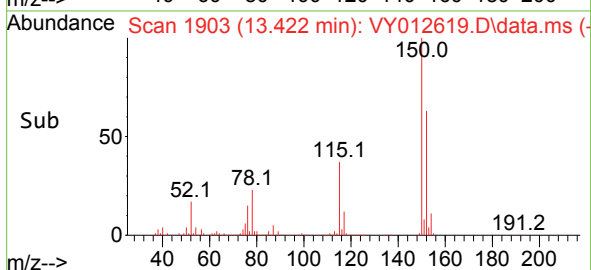
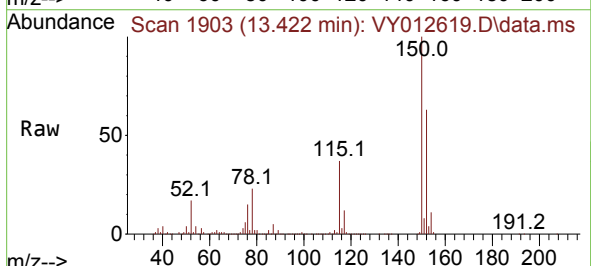


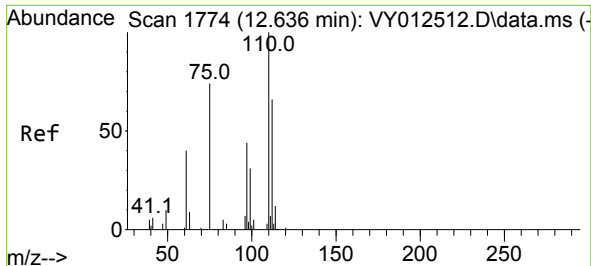
Tgt Ion:117 Resp: 312187
Ion Ratio Lower Upper
117 100
82 50.2 41.7 62.5
119 33.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

Tgt Ion:152 Resp: 152519
Ion Ratio Lower Upper
152 100
115 57.6 28.1 84.3
150 157.2 0.0 351.0

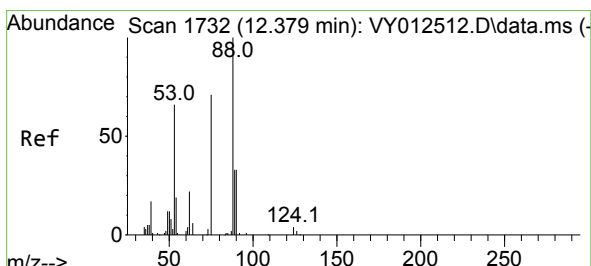
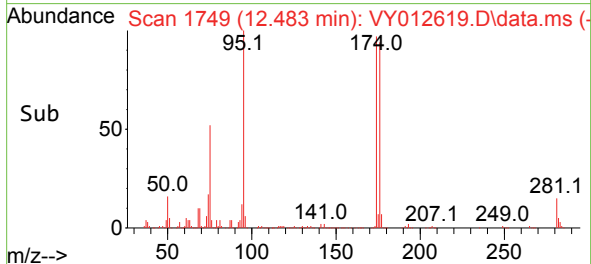
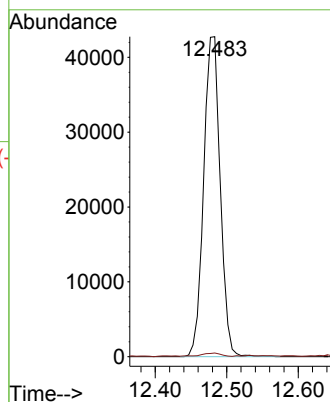
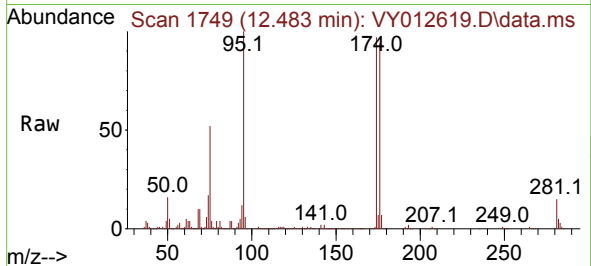




#76
1,2,3-Trichloropropane
Concen: 40.406 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 68851
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.117 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012619.D
Acq: 15 Feb 2023 17:11

Tgt Ion: 75 Resp: 68851
Ion Ratio Lower Upper
75 100
53 0.4 73.1 109.7#
89 0.2 39.9 59.9#

