

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019167.D
 Acq On : 21 Aug 2024 14:12
 Operator : SY/MD
 Sample : VY0821SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:12:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

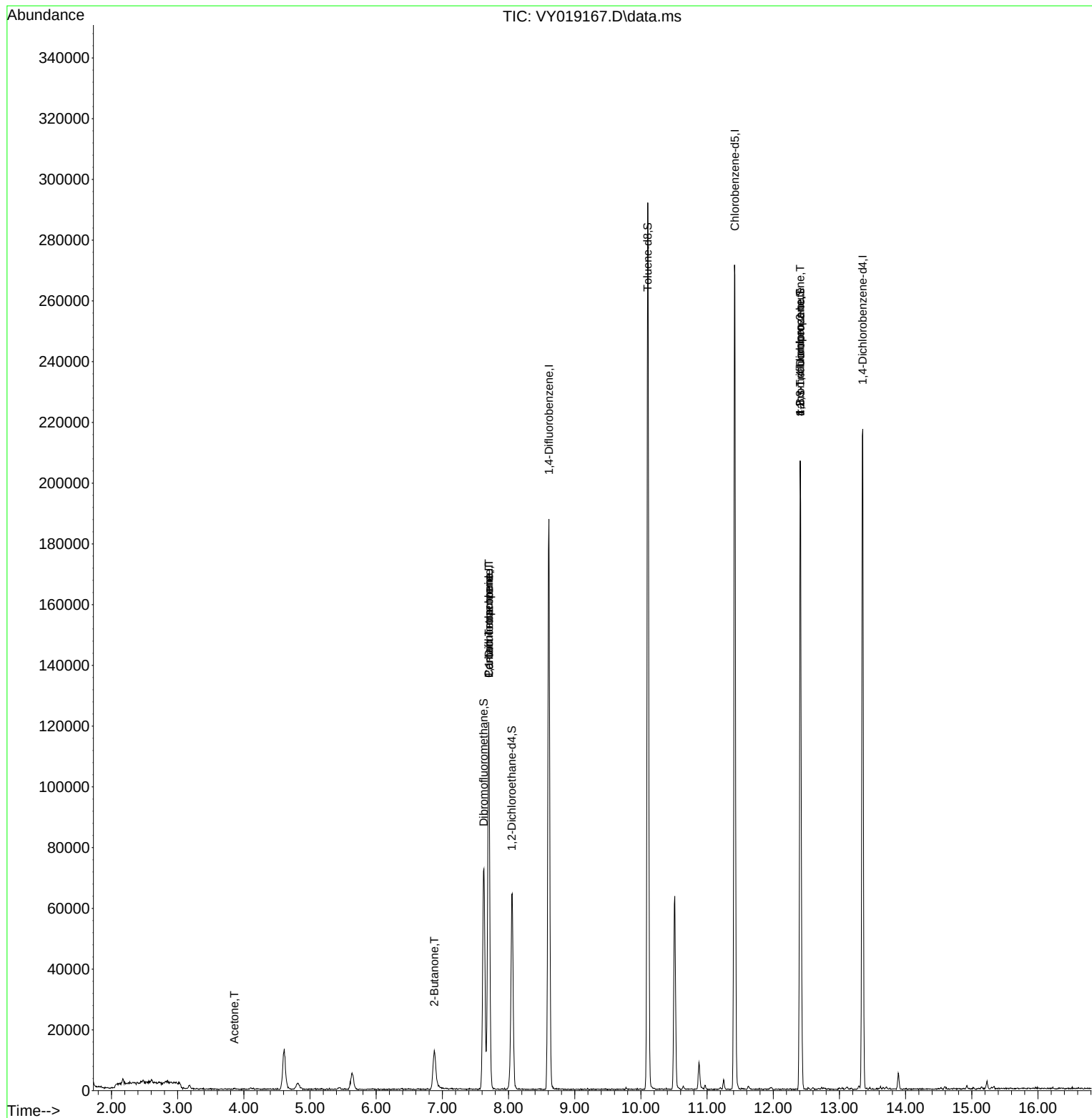
Internal Standards						
1) Pentafluorobenzene	7.701	168	93043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	165482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	150257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	57062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	47419	50.841	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.680%	
35) Dibromofluoromethane	7.622	113	52570	48.585	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.180%	
50) Toluene-d8	10.103	98	186704	47.949	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.900%	
62) 4-Bromofluorobenzene	12.408	95	56191	42.332	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 84.660%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	337	Below Cal	#	60
6) Chloroethane	2.635	64	50	Below Cal	#	42
11) Tert butyl alcohol	4.818	59	1486	Below Cal	#	88
13) Acrolein	3.550	56	26	Below Cal	#	15
16) Acetone	3.854	43	468	2.706	ug/l #	36
20) Methylene Chloride	4.598	84	9420	Below Cal		93
25) 2-Butanone	6.878	43	699	2.509	ug/l #	41
31) Cyclohexane	7.689	56	1937	Below Cal	#	43
36) 1,1-Dichloropropene	7.701	75	7244	4.875	ug/l #	49
38) Carbon Tetrachloride	7.701	117	9056	5.259	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	30367	53.963	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	30367	133.271	ug/l #	16

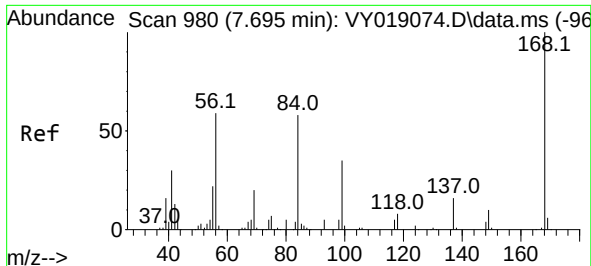
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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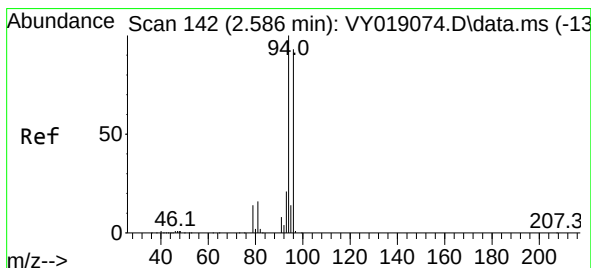
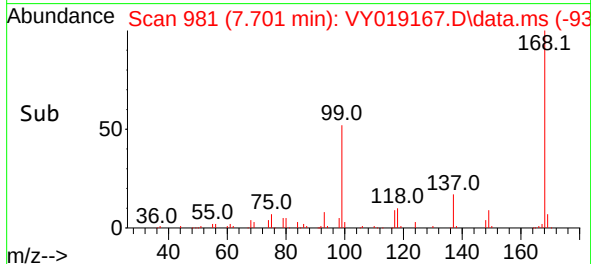
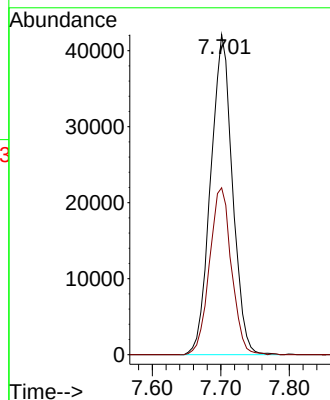
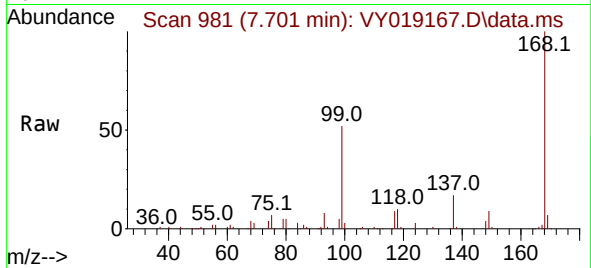




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

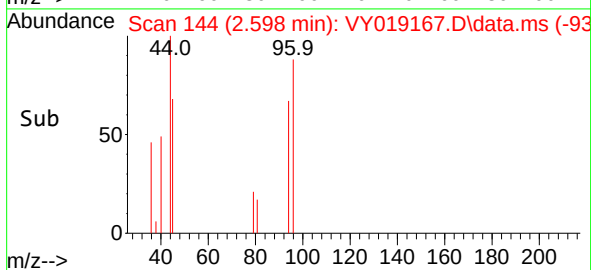
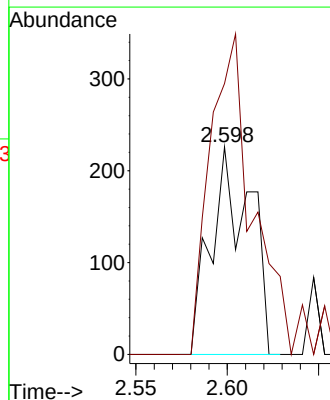
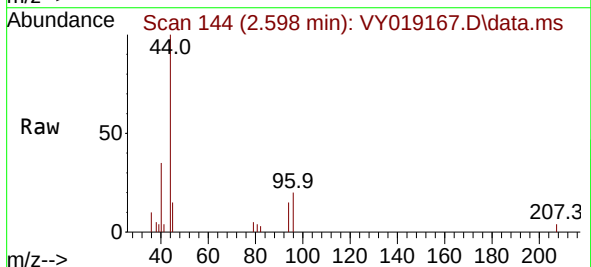
Instrument :
MSVOA_Y
ClientSampleId :

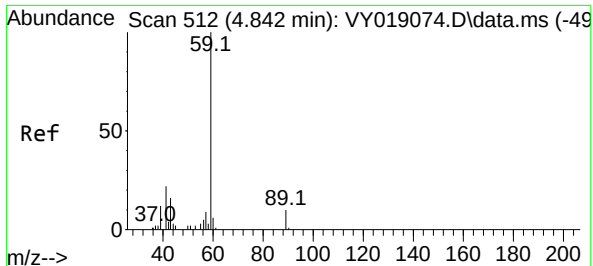
Tgt Ion:168 Resp: 93043
Ion Ratio Lower Upper
168 100
99 52.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 130.5 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.818 min Scan# 508

Delta R.T. -0.024 min

Lab File: VY019167.D

Acq: 21 Aug 2024 14:12

Instrument :

MSVOA_Y

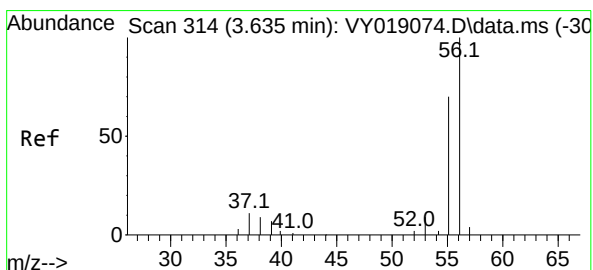
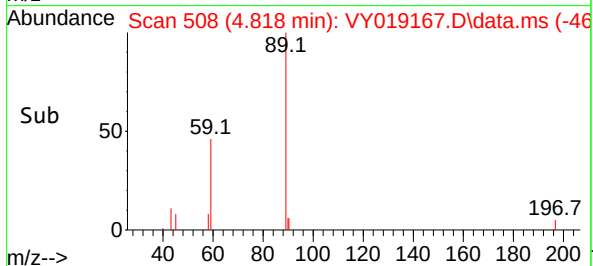
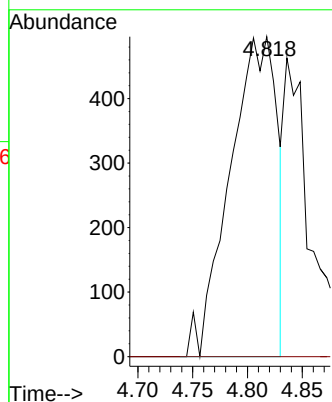
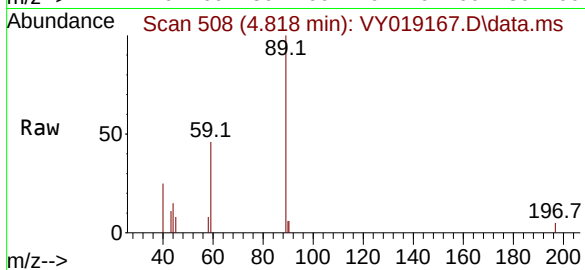
ClientSampleId :

Tgt Ion: 59 Resp: 1486

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.550 min Scan# 300

Delta R.T. -0.085 min

Lab File: VY019167.D

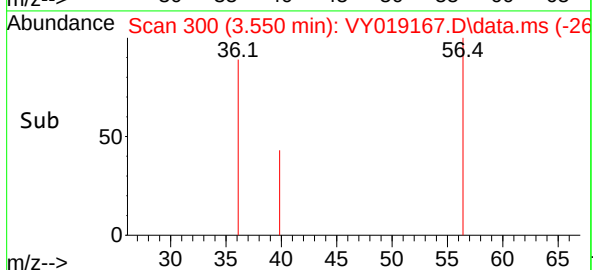
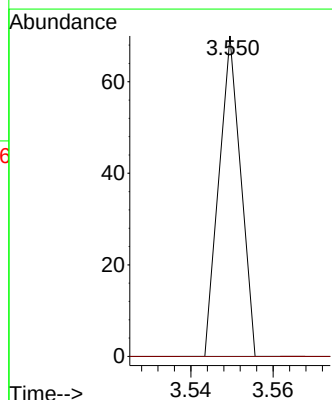
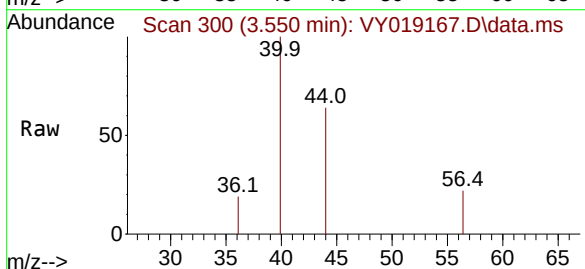
Acq: 21 Aug 2024 14:12

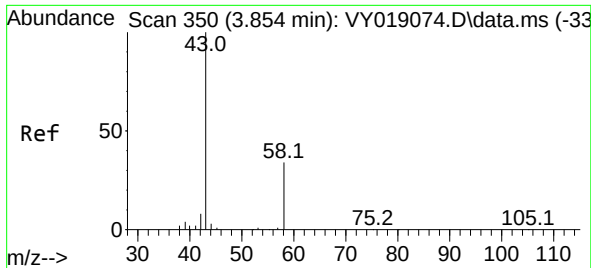
Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#16

Acetone

Concen: 2.706 ug/l

RT: 3.854 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY019167.D

Acq: 21 Aug 2024 14:12

Instrument :

MSVOA_Y

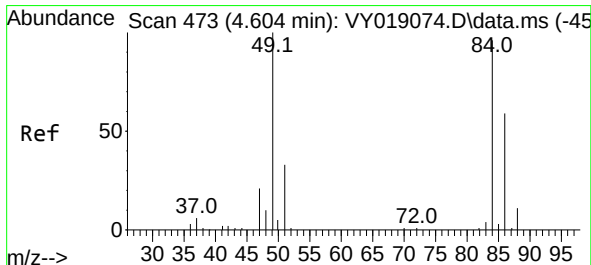
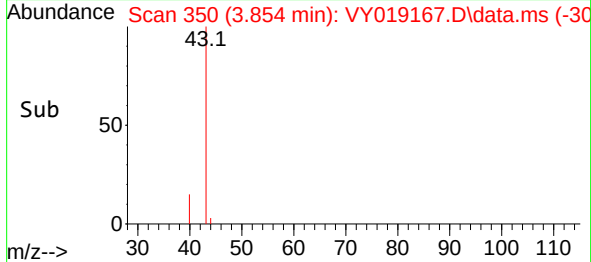
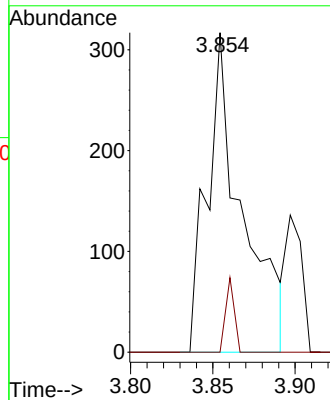
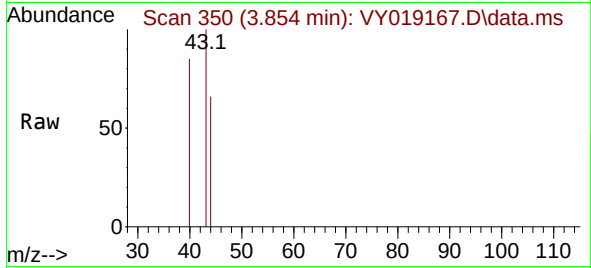
ClientSampleId :

Tgt Ion: 43 Resp: 468

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.598 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY019167.D

Acq: 21 Aug 2024 14:12

Tgt Ion: 84 Resp: 9420

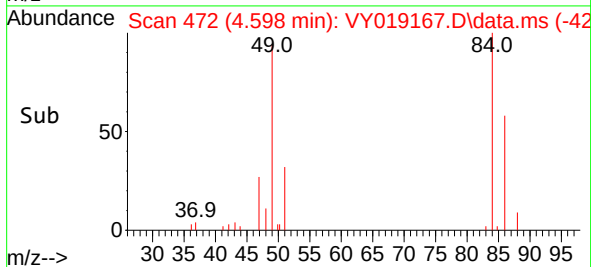
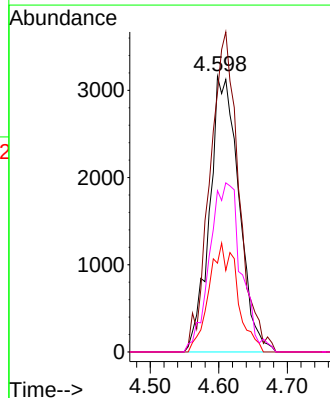
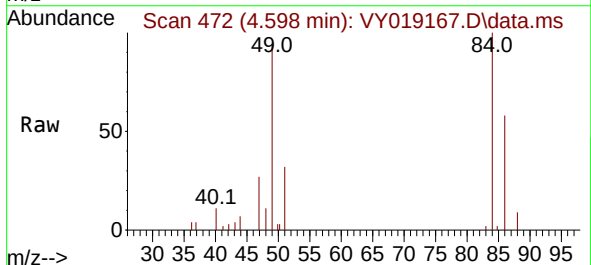
Ion Ratio Lower Upper

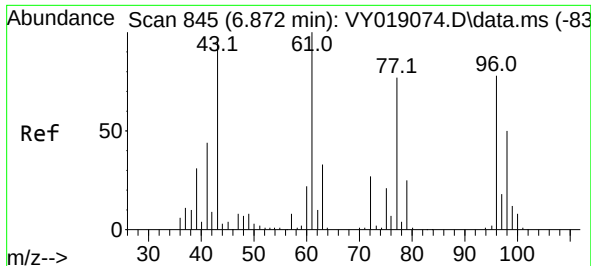
84 100

49 94.1 84.4 126.6

51 32.2 26.0 39.0

86 58.5 49.5 74.3

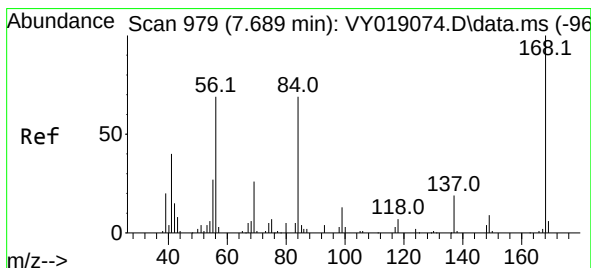
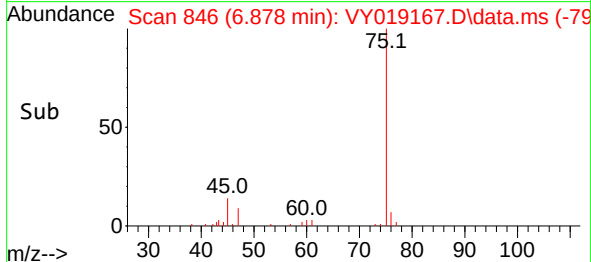
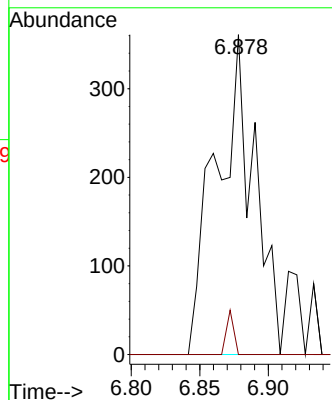
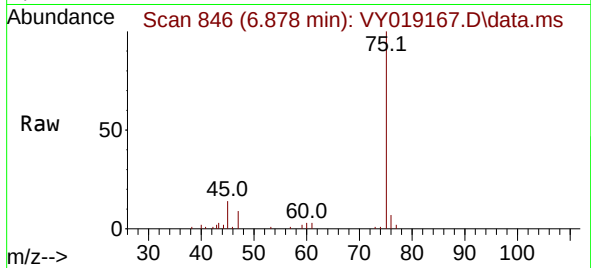




#25
2-Butanone
Concen: 2.509 ug/l
RT: 6.878 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

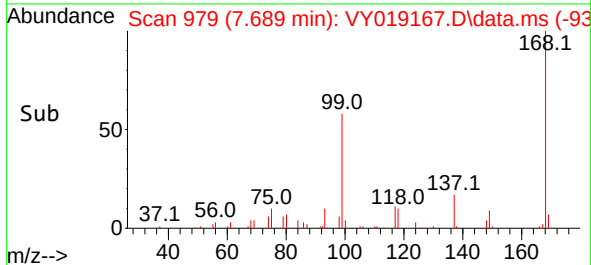
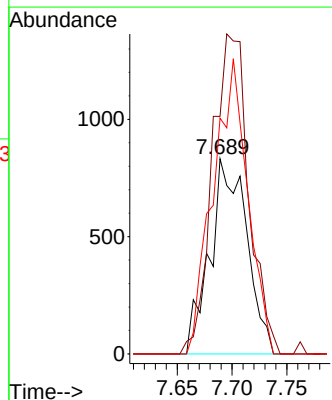
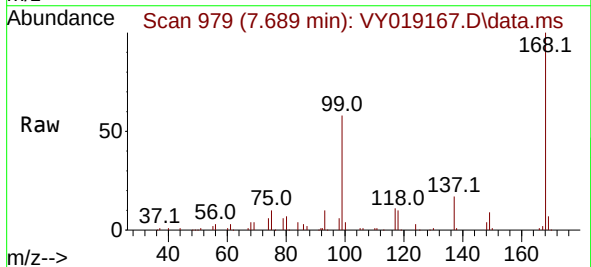
Instrument :
MSVOA_Y
ClientSampleId :

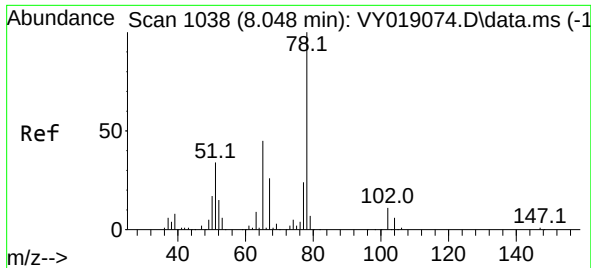
Tgt Ion: 43 Resp: 699
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.689 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

Tgt Ion: 56 Resp: 1937
Ion Ratio Lower Upper
56 100
69 121.8 28.7 43.1#
84 120.8 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 50.841 ug/l

RT: 8.049 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019167.D

Acq: 21 Aug 2024 14:12

Instrument :

MSVOA_Y

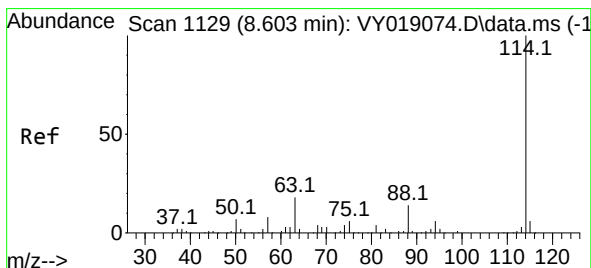
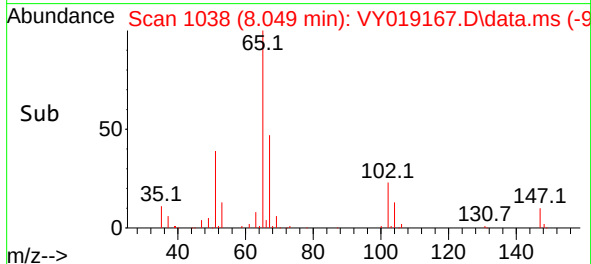
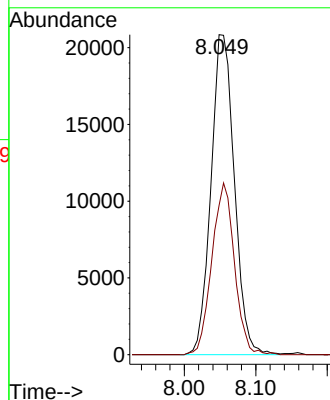
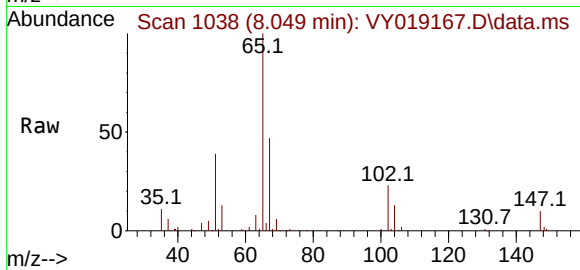
ClientSampleId :

Tgt Ion: 65 Resp: 47419

Ion Ratio Lower Upper

65 100

67 51.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019167.D

Acq: 21 Aug 2024 14:12

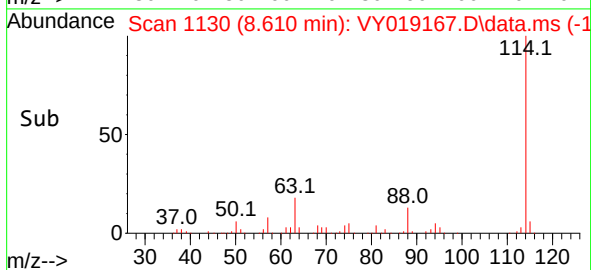
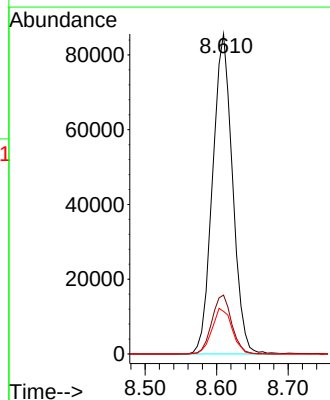
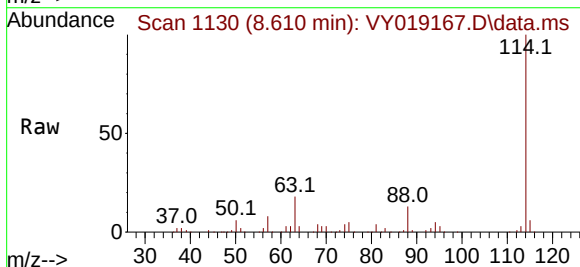
Tgt Ion: 114 Resp: 165482

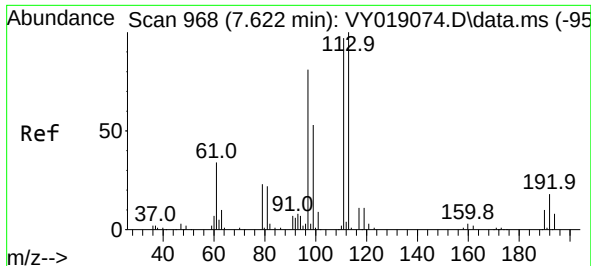
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

88 13.3 0.0 27.2

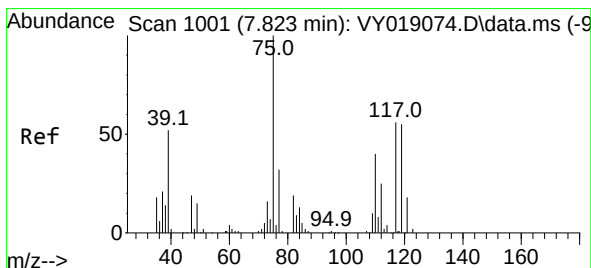
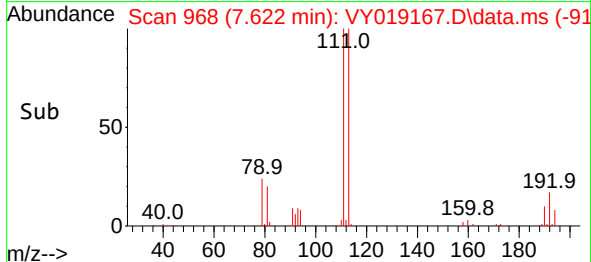
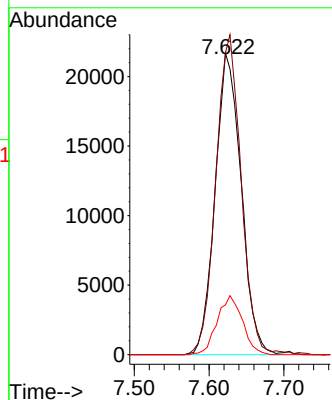
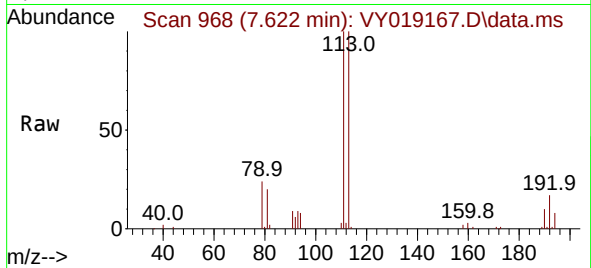




#35
Dibromofluoromethane
Concen: 48.585 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

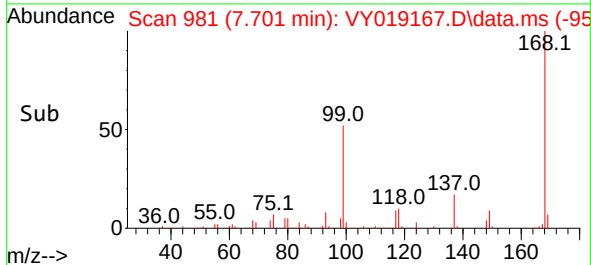
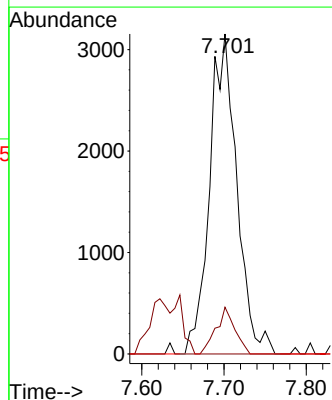
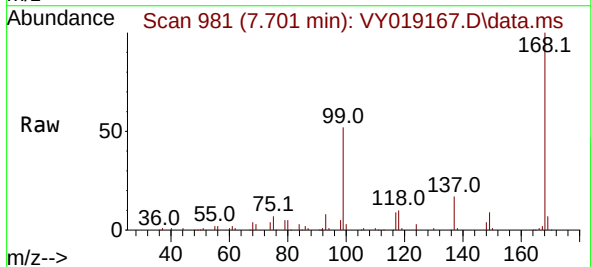
Instrument :
MSVOA_Y
ClientSampleId :

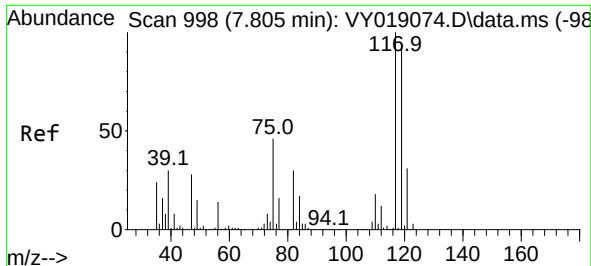
Tgt Ion:113 Resp: 52570
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 19.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.875 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

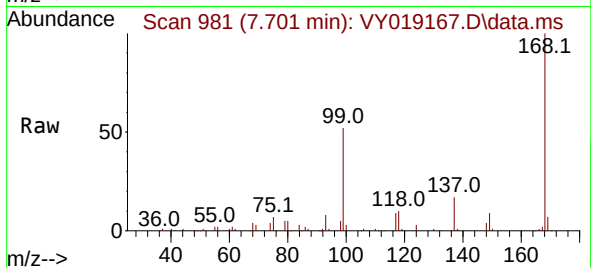
Tgt Ion: 75 Resp: 7244
Ion Ratio Lower Upper
75 100
110 10.1 19.0 57.0#
77 0.0 25.3 37.9#



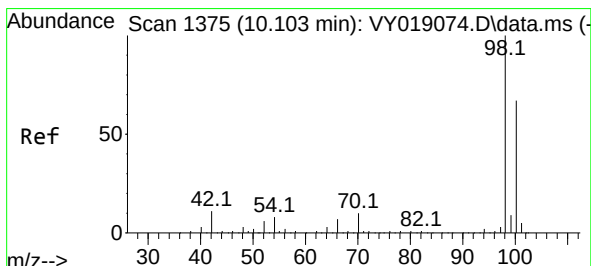
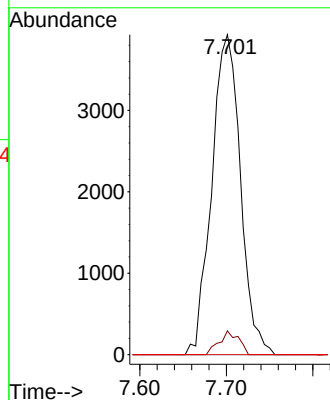
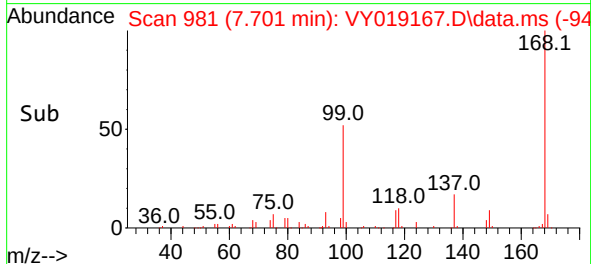


#38
Carbon Tetrachloride
Concen: 5.259 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

Instrument :
MSVOA_Y
ClientSampleId :

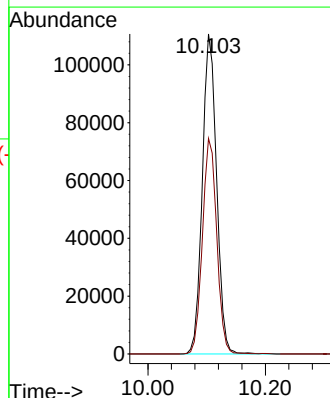
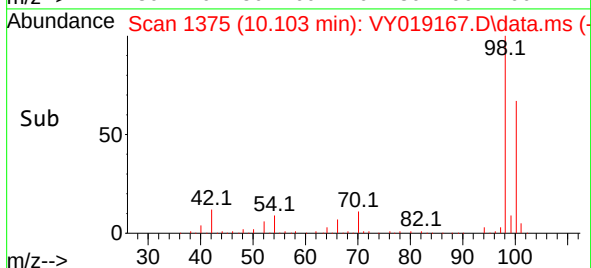
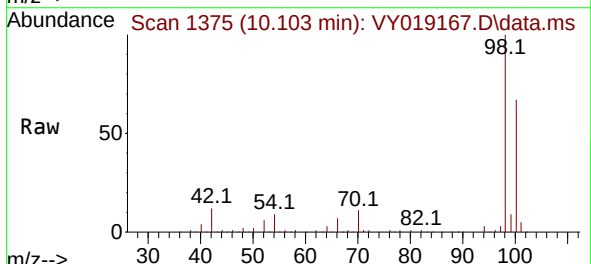


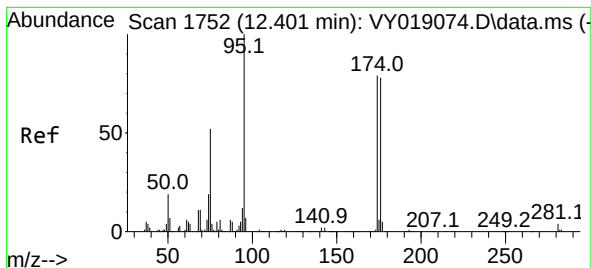
Tgt Ion:117 Resp: 9056
Ion Ratio Lower Upper
117 100
119 7.5 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.949 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

Tgt Ion: 98 Resp: 186704
Ion Ratio Lower Upper
98 100
100 67.7 52.0 78.0

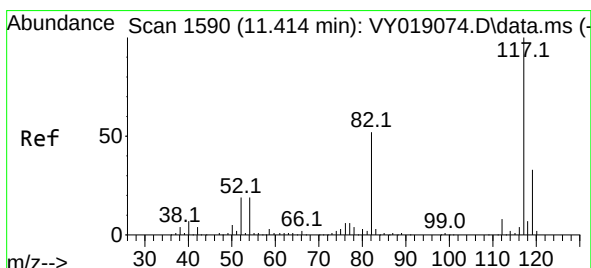
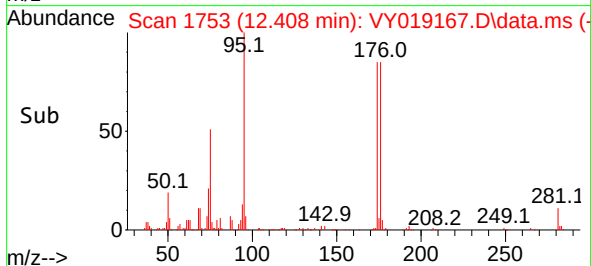
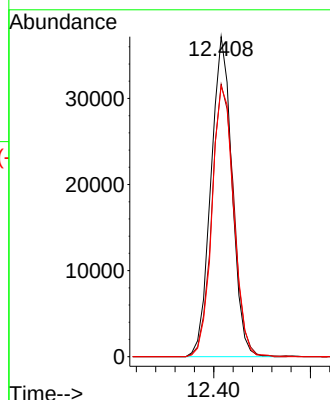
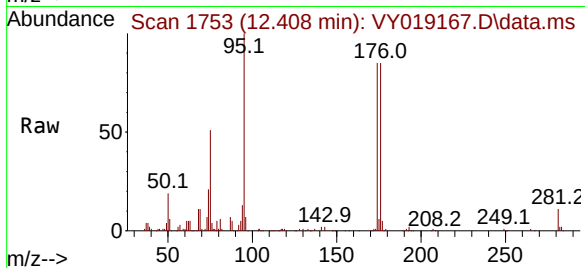




#62
4-Bromofluorobenzene
Concen: 42.332 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

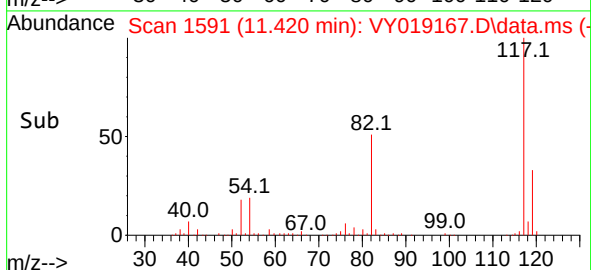
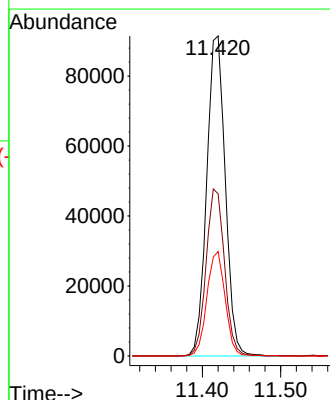
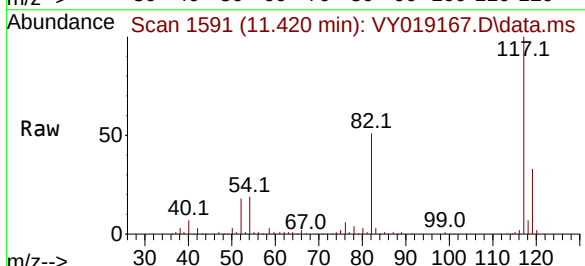
Instrument :
MSVOA_Y
ClientSampleId :

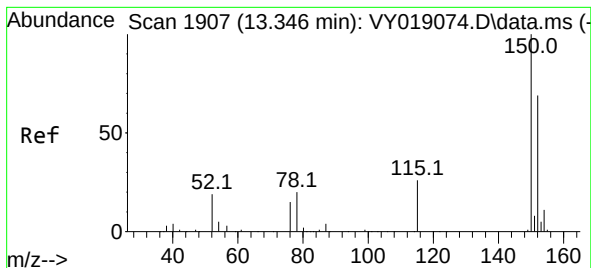
Tgt Ion:	95	Resp:	56191
Ion Ratio	Lower	Upper	
95	100		
174	89.1	0.0	175.6
176	86.9	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019167.D
Acq: 21 Aug 2024 14:12

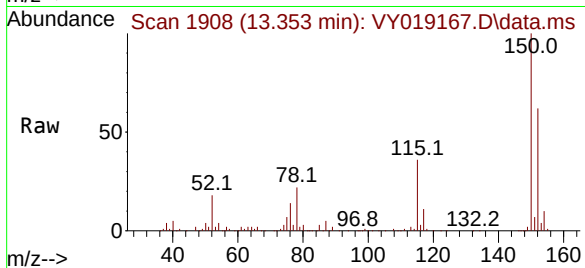
Tgt Ion:	117	Resp:	150257
Ion Ratio	Lower	Upper	
117	100		
82	50.6	42.4	63.6
119	32.6	25.9	38.9



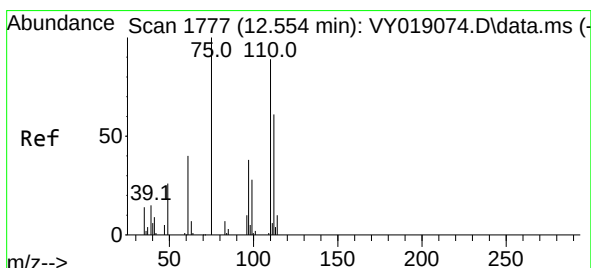
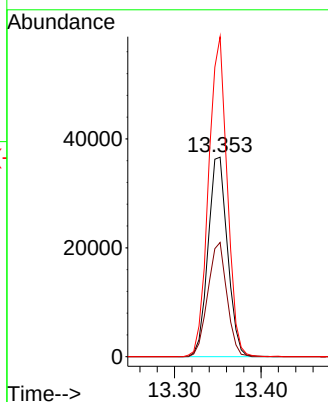
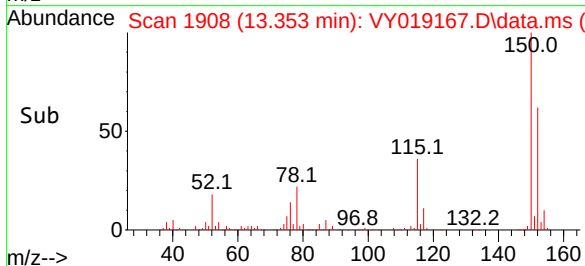


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY019167.D
 Acq: 21 Aug 2024 14:12

Instrument :
 MSVOA_Y
 ClientSampleId :

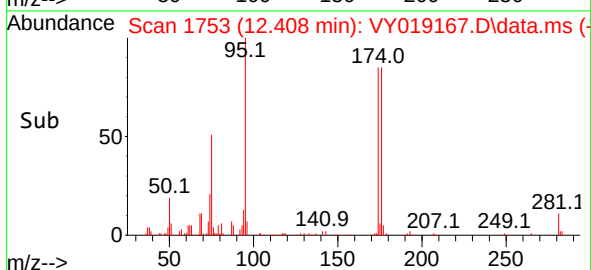
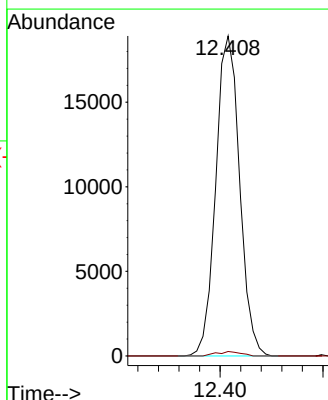
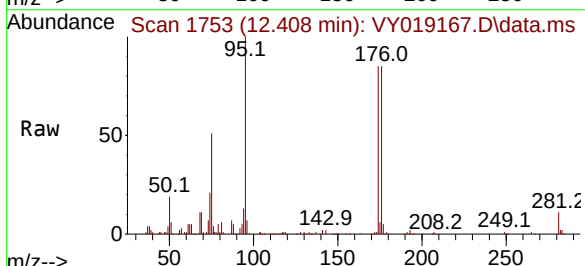


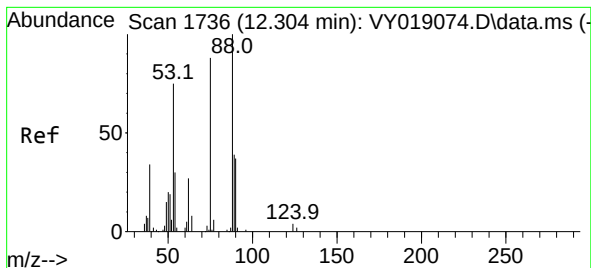
Tgt Ion:152 Resp: 57062
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.2 84.7
 150 153.7 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 53.963 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY019167.D
 Acq: 21 Aug 2024 14:12

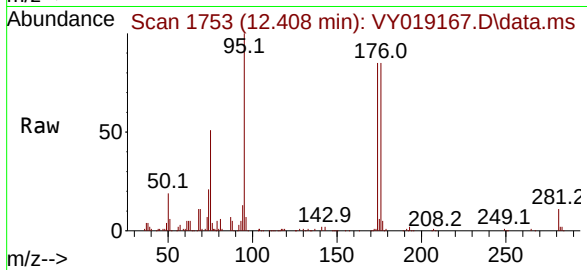
Tgt Ion: 75 Resp: 30367
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.271 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019167.D
 Acq: 21 Aug 2024 14:12

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 30367
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.3 35.8 53.6#

