

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019242.D
 Acq On : 23 Aug 2024 01:27
 Operator : SY/MD
 Sample : P3663-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 02:06:26 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)

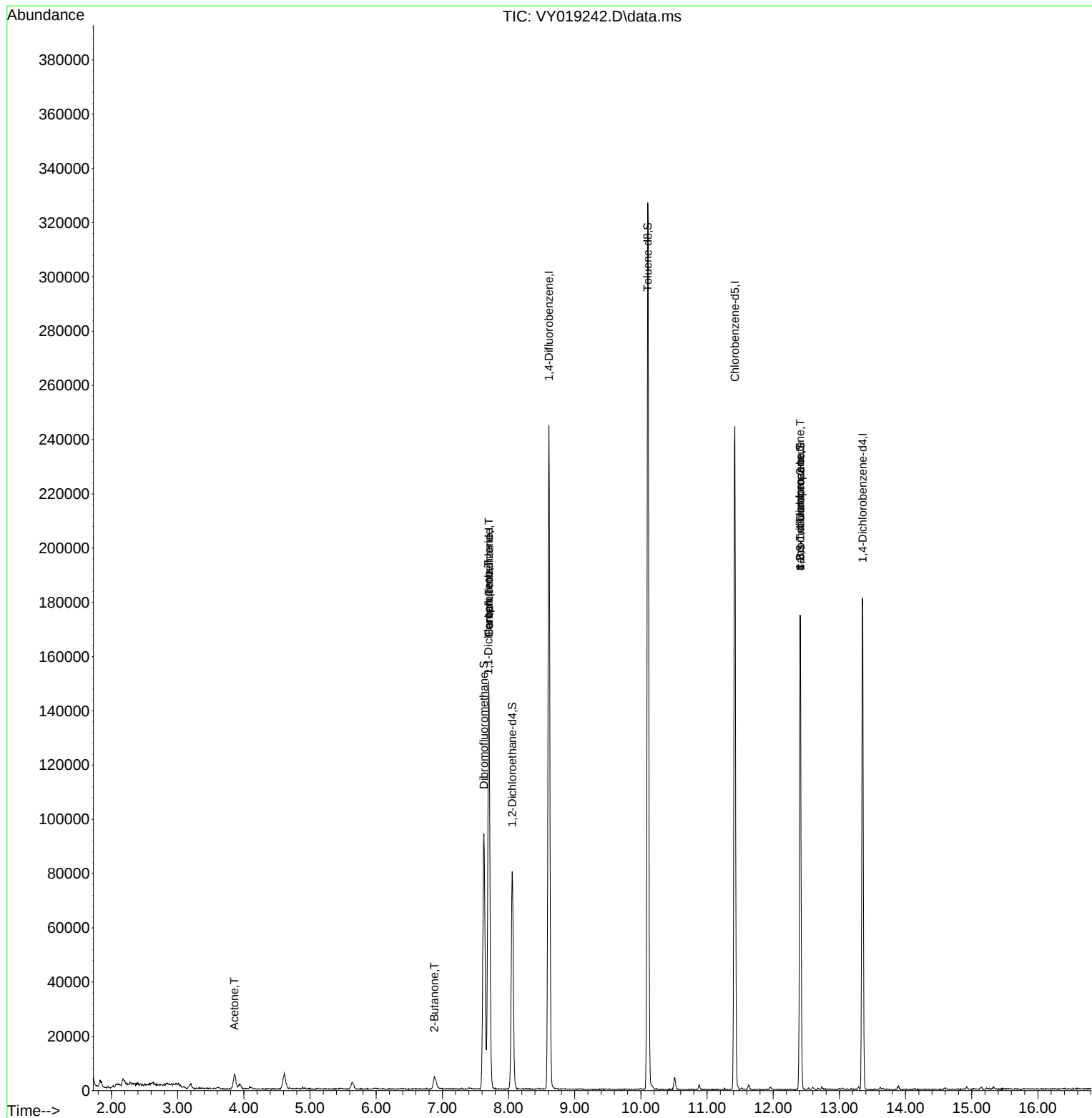
Internal Standards						
1) Pentafluorobenzene	7.701	168	116842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	209548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	137265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	45871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	63412	54.140	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.280%			
35) Dibromofluoromethane	7.628	113	65916	48.109	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.220%			
50) Toluene-d8	10.103	98	213740	43.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.700%			
62) 4-Bromofluorobenzene	12.408	95	49967	29.727	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 59.460%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	459	Below Cal	#	61
6) Chloroethane	2.678	64	33	Below Cal	#	42
11) Tert butyl alcohol	4.824	59	180	Below Cal	#	88
13) Acrolein	3.671	56	28	Below Cal	#	15
16) Acetone	3.854	43	10166	46.802	ug/l #	83
20) Methylene Chloride	4.616	84	4024	Below Cal		88
25) 2-Butanone	6.878	43	3965	11.335	ug/l #	85
31) Cyclohexane	7.701	56	2622	Below Cal	#	1
36) 1,1-Dichloropropene	7.695	75	8926	4.744	ug/l #	49
38) Carbon Tetrachloride	7.701	117	11890	5.453	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	26440	58.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	26440	144.346	ug/l #	16

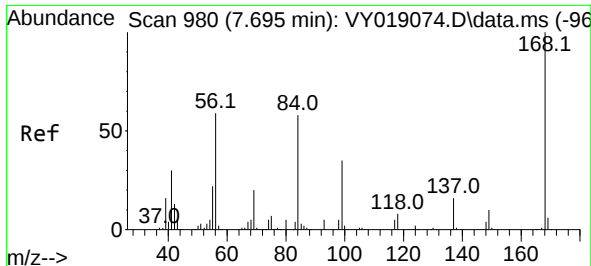
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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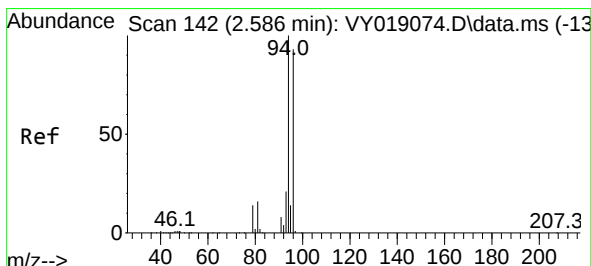
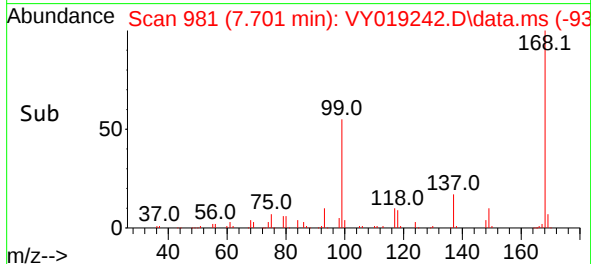
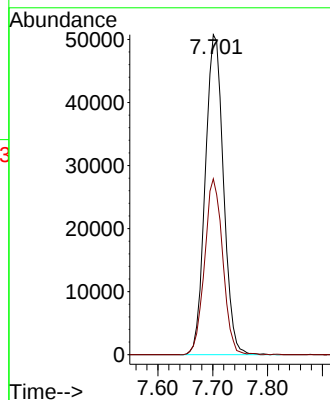
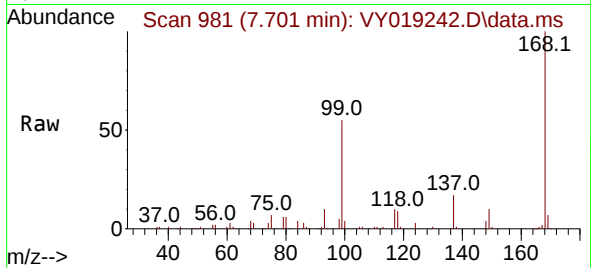




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

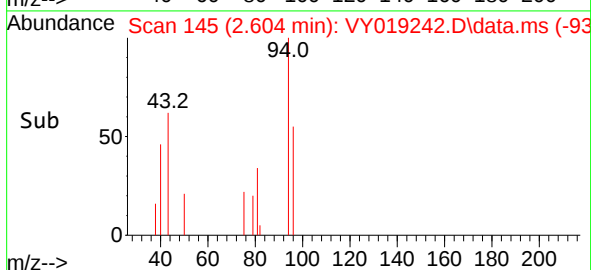
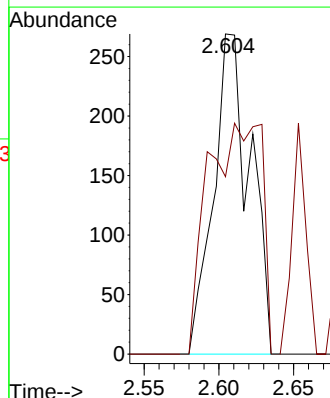
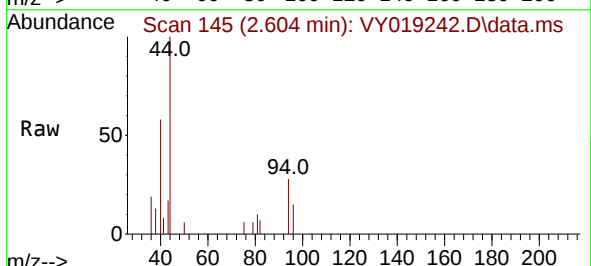
Instrument :
MSVOA_Y
ClientSampleId :

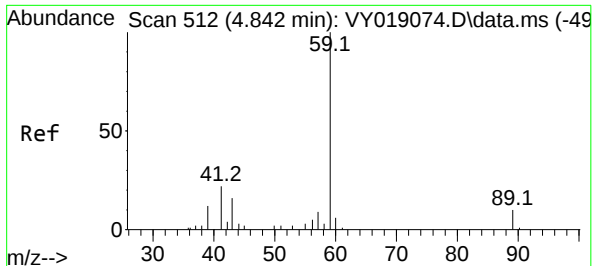
Tgt Ion:168 Resp: 116842
Ion Ratio Lower Upper
168 100
99 54.9 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

Tgt Ion: 94 Resp: 459
Ion Ratio Lower Upper
94 100
96 55.4 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.824 min Scan# 509

Delta R.T. -0.018 min

Lab File: VY019242.D

Acq: 23 Aug 2024 01:27

Instrument :

MSVOA_Y

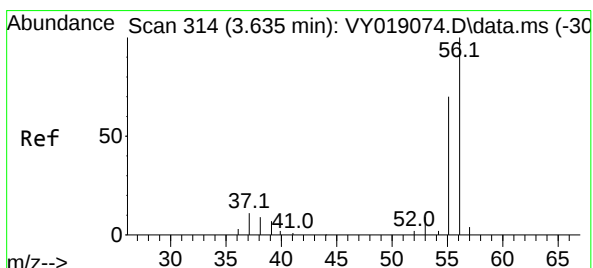
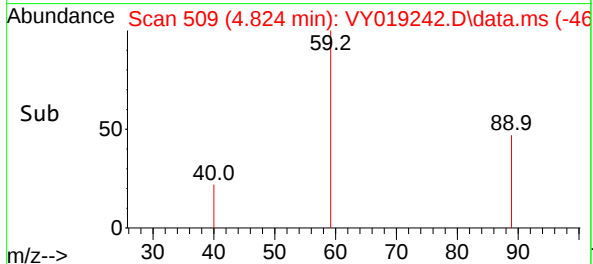
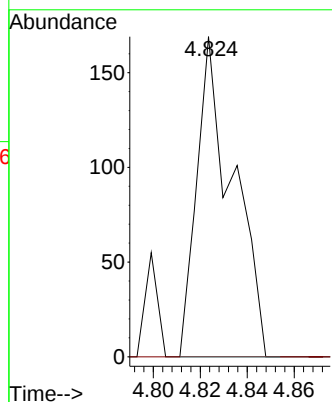
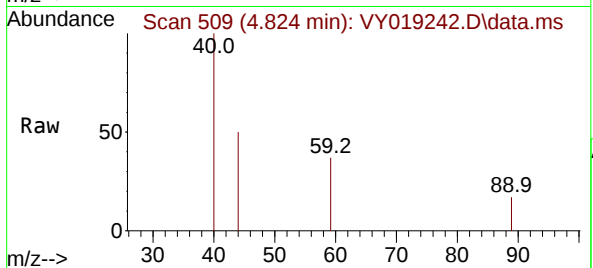
ClientSampleId :

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.671 min Scan# 320

Delta R.T. 0.036 min

Lab File: VY019242.D

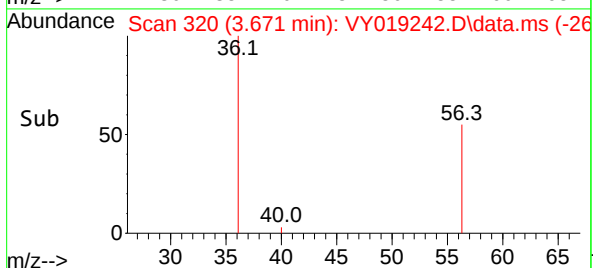
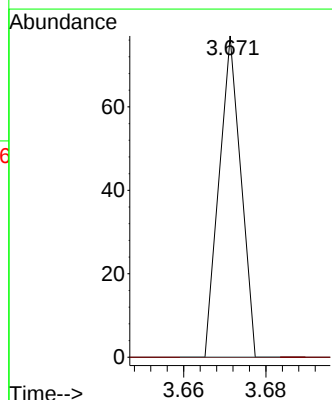
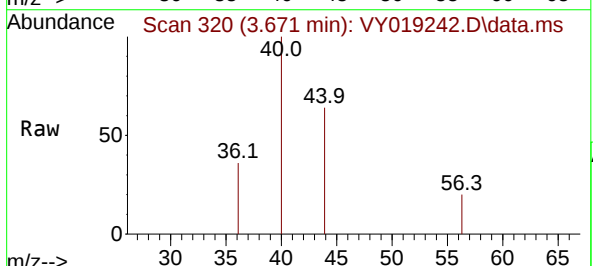
Acq: 23 Aug 2024 01:27

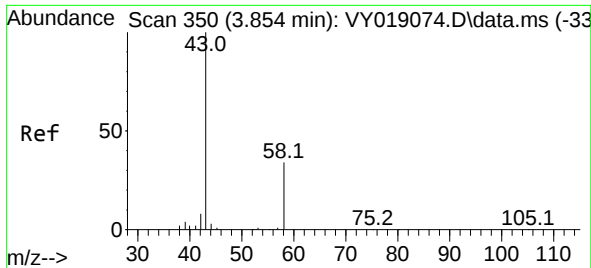
Tgt Ion: 56 Resp: 28

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#

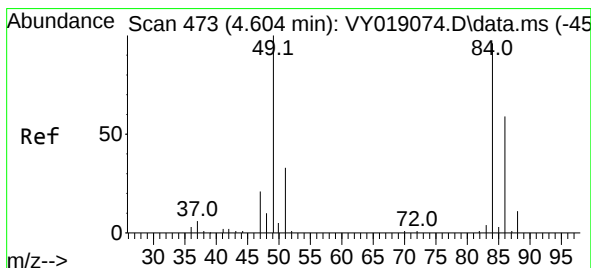
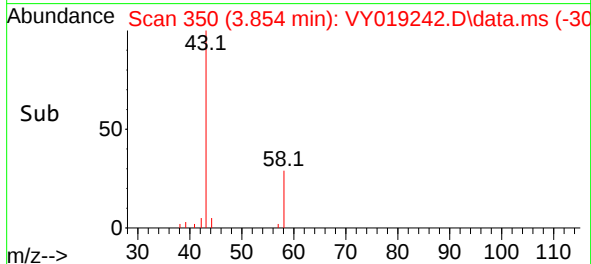
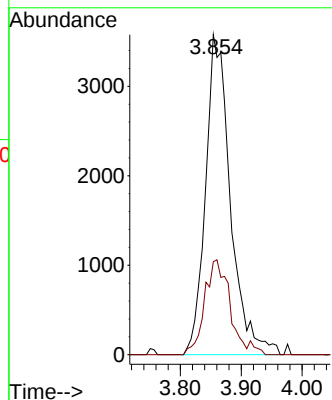
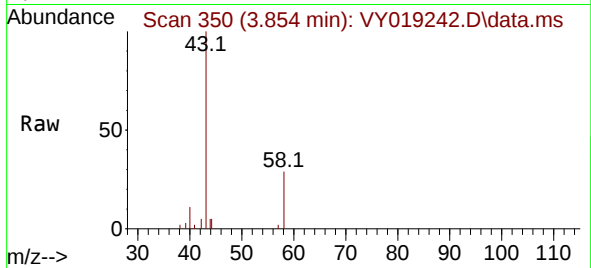




#16
Acetone
Concen: 46.802 ug/l
RT: 3.854 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

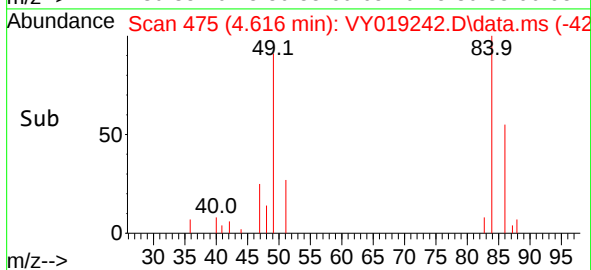
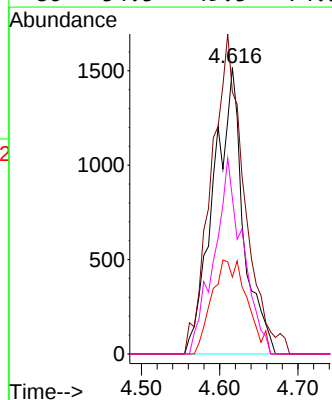
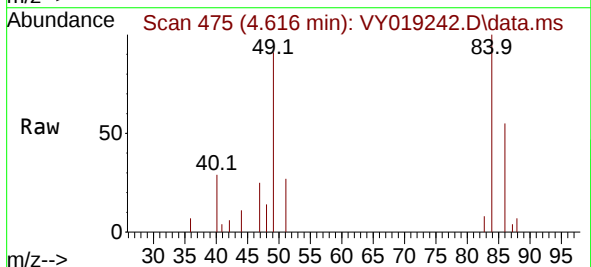
Instrument :
MSVOA_Y
ClientSampleId :

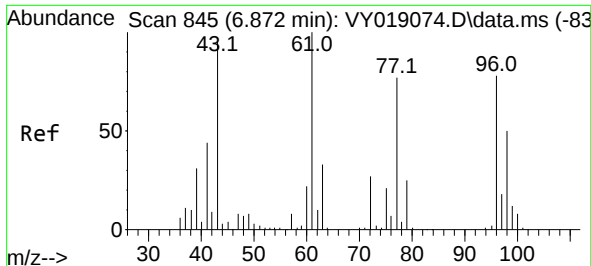
Tgt Ion: 43 Resp: 10166
Ion Ratio Lower Upper
43 100
58 29.0 31.7 47.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

Tgt Ion: 84 Resp: 4024
Ion Ratio Lower Upper
84 100
49 91.4 84.4 126.6
51 26.8 26.0 39.0
86 54.5 49.5 74.3





#25

2-Butanone

Concen: 11.335 ug/l

RT: 6.878 min Scan# 845

Delta R.T. 0.006 min

Lab File: VY019242.D

Acq: 23 Aug 2024 01:27

Instrument :

MSVOA_Y

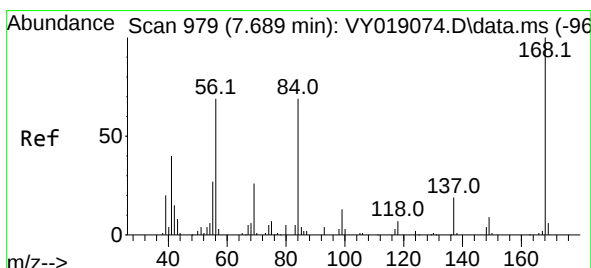
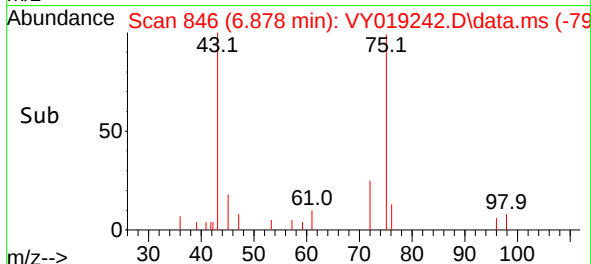
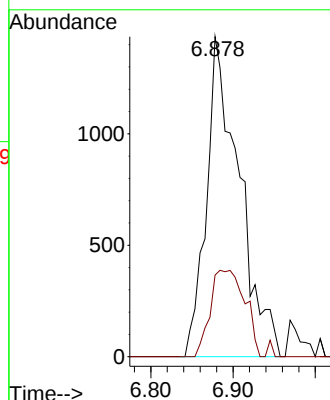
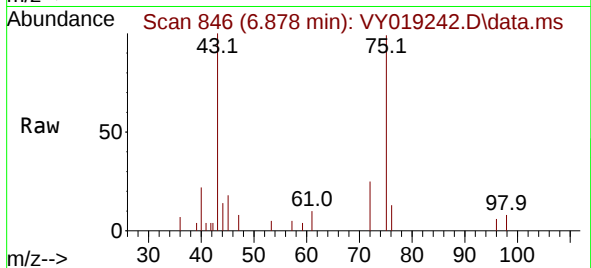
ClientSampleId :

Tgt Ion: 43 Resp: 3965

Ion Ratio Lower Upper

43 100

72 25.5 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.701 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY019242.D

Acq: 23 Aug 2024 01:27

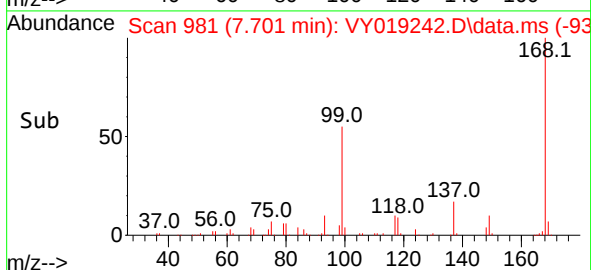
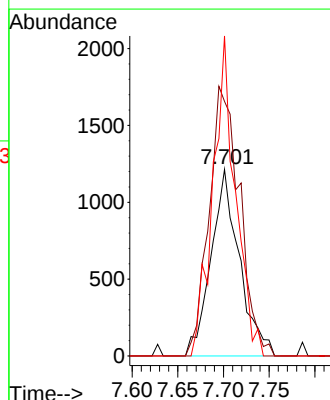
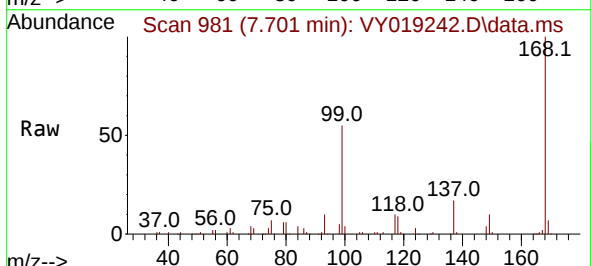
Tgt Ion: 56 Resp: 2622

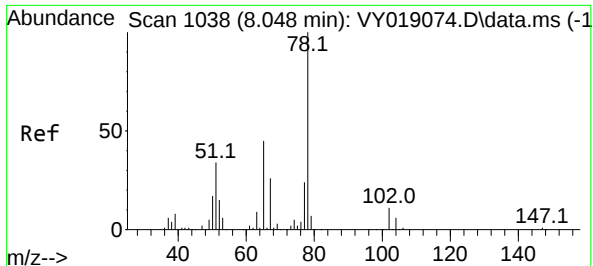
Ion Ratio Lower Upper

56 100

69 136.4 28.7 43.1#

84 171.5 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.140 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019242.D

Acq: 23 Aug 2024 01:27

Instrument :

MSVOA_Y

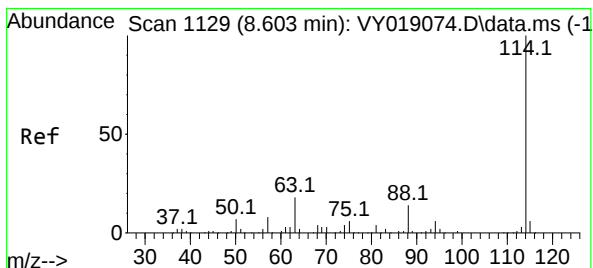
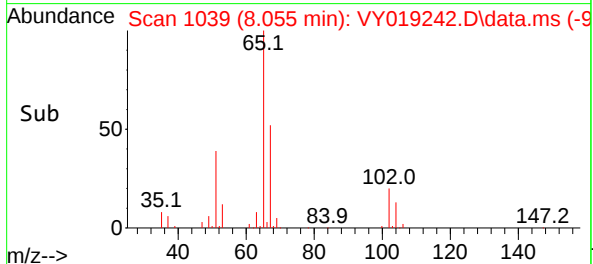
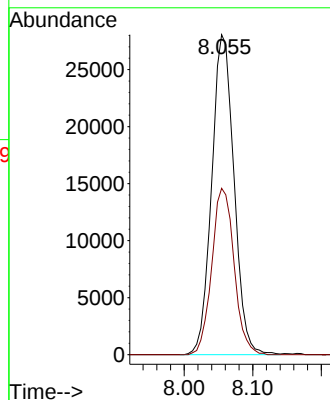
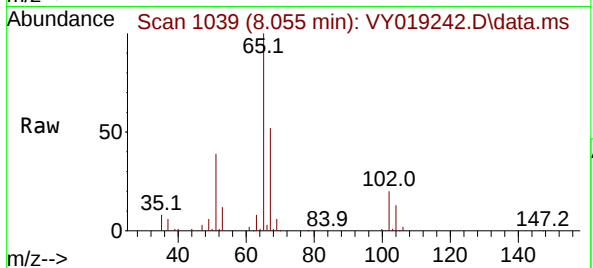
ClientSampleId :

Tgt Ion: 65 Resp: 63412

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019242.D

Acq: 23 Aug 2024 01:27

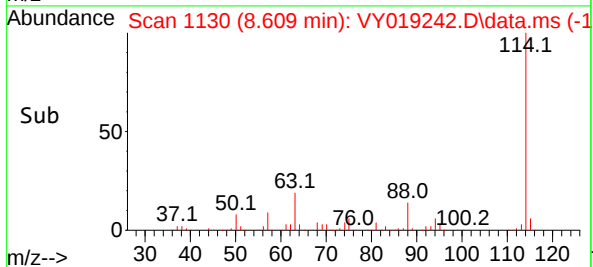
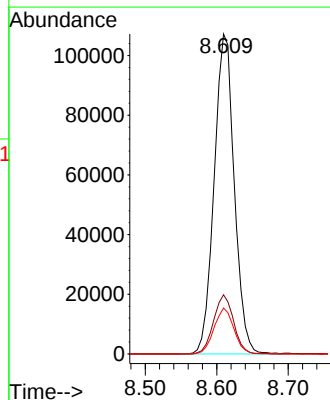
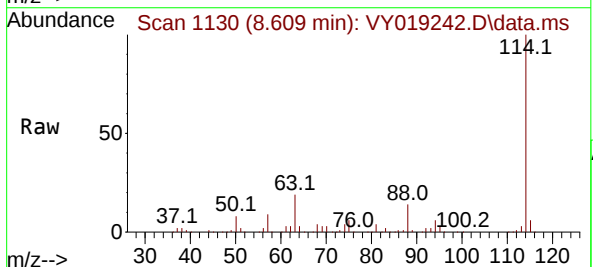
Tgt Ion: 114 Resp: 209548

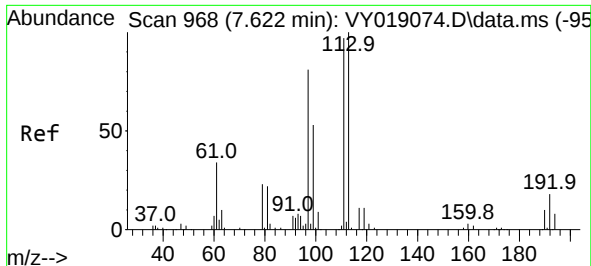
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

88 14.3 0.0 27.2

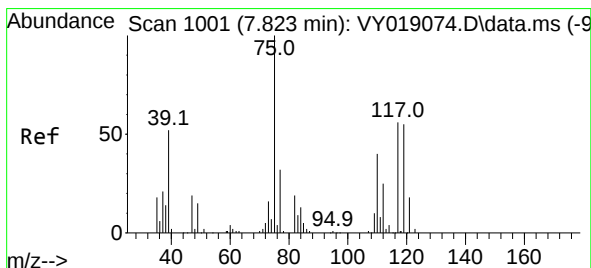
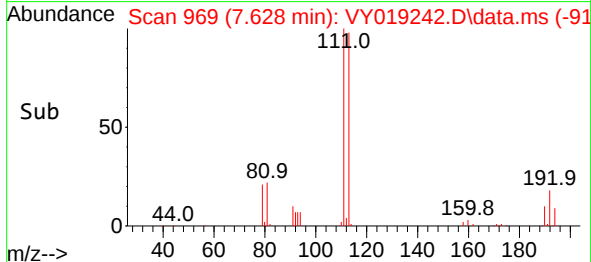
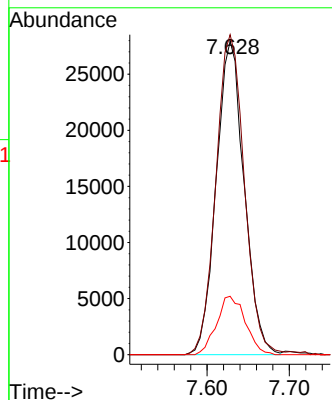
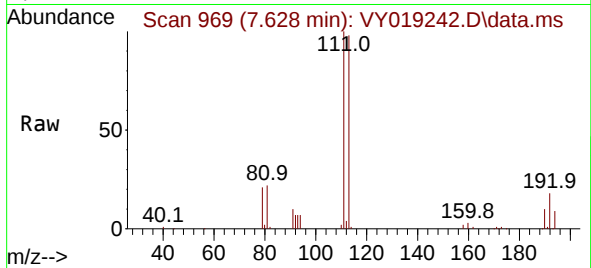




#35
Dibromofluoromethane
Concen: 48.109 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

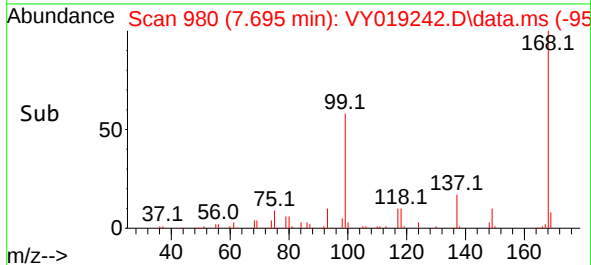
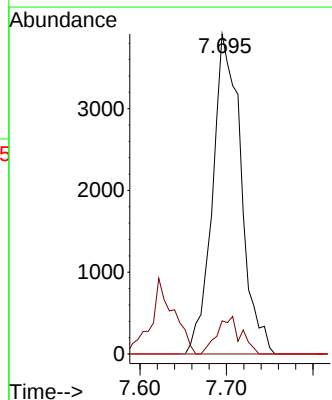
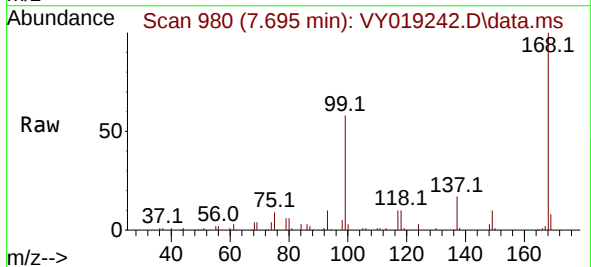
Instrument :
MSVOA_Y
ClientSampleId :

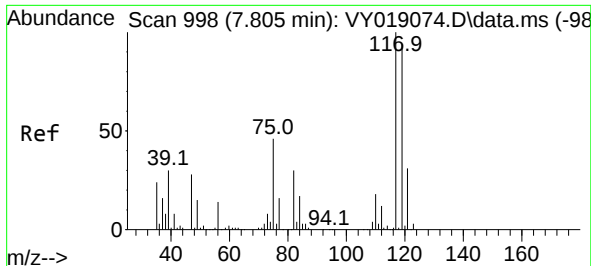
Tgt Ion:113 Resp: 65916
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.4
192 19.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

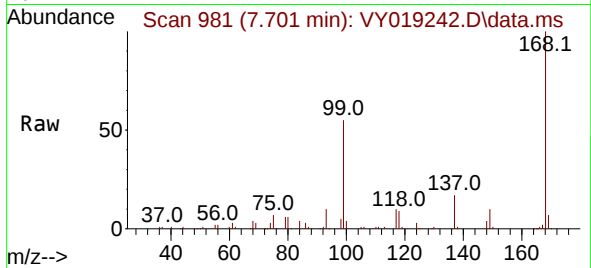
Tgt Ion: 75 Resp: 8926
Ion Ratio Lower Upper
75 100
110 9.7 19.0 57.0#
77 0.0 25.3 37.9#



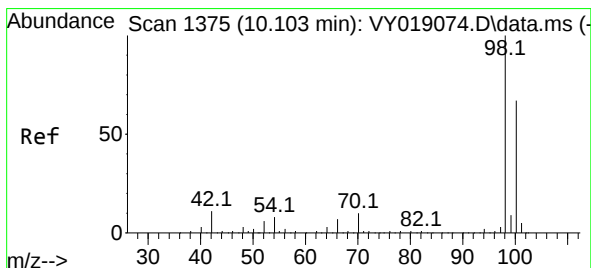
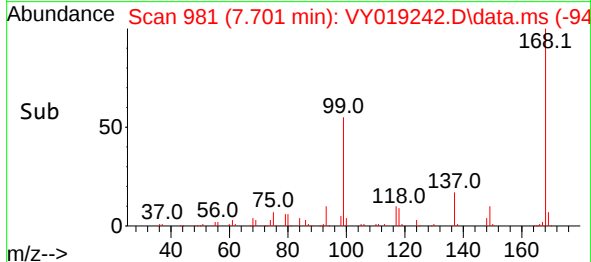
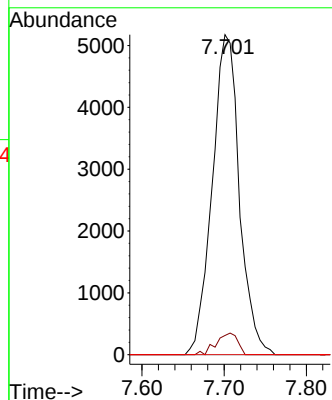


#38
Carbon Tetrachloride
Concen: 5.453 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

Instrument :
MSVOA_Y
ClientSampleId :

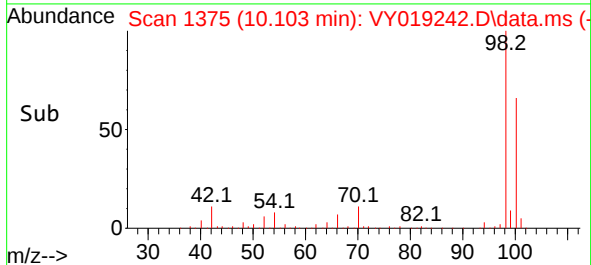
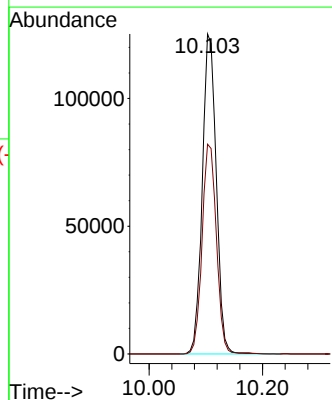
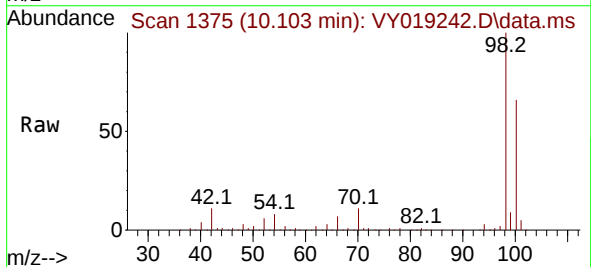


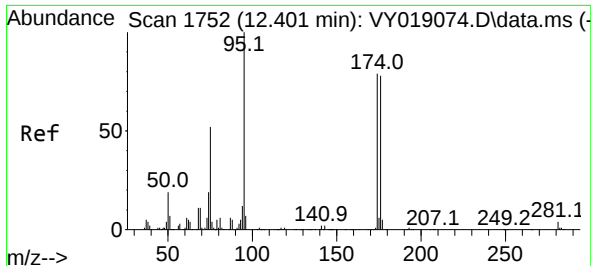
Tgt Ion:117 Resp: 11890
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 43.349 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

Tgt Ion: 98 Resp: 213740
Ion Ratio Lower Upper
98 100
100 67.2 52.0 78.0

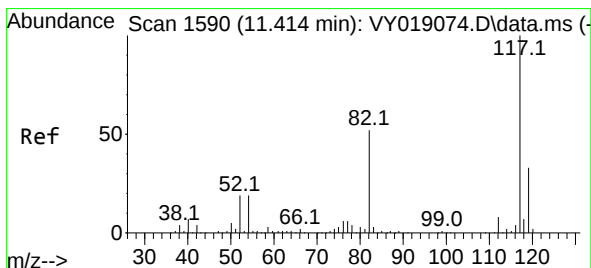
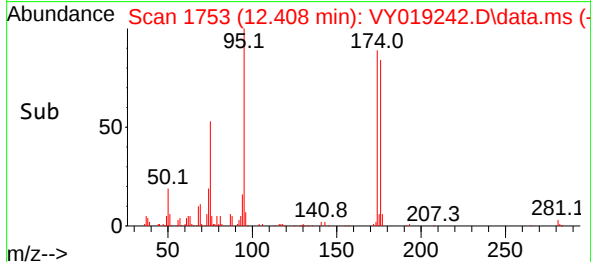
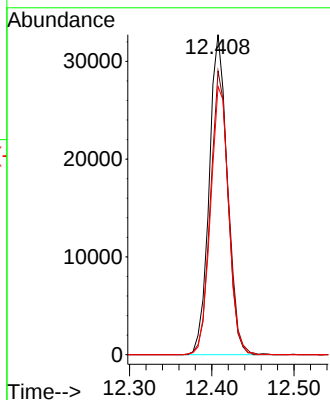
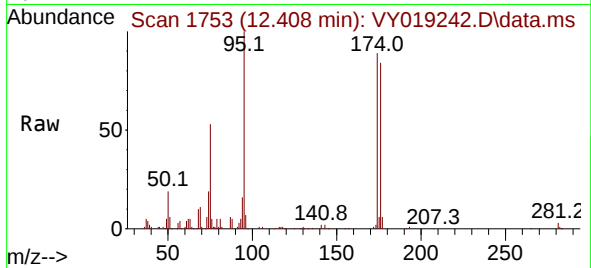




#62
4-Bromofluorobenzene
Concen: 29.727 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

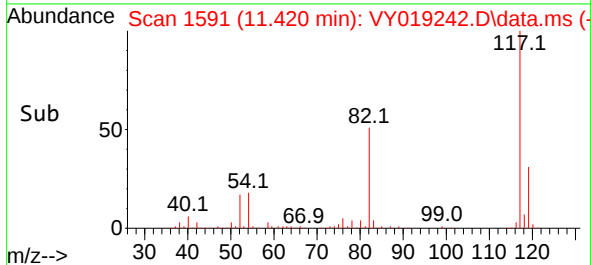
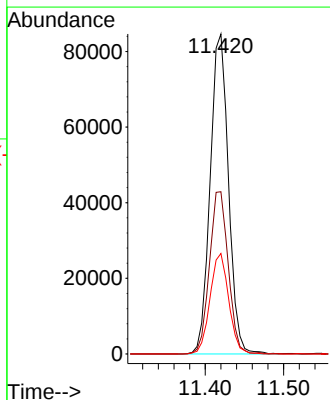
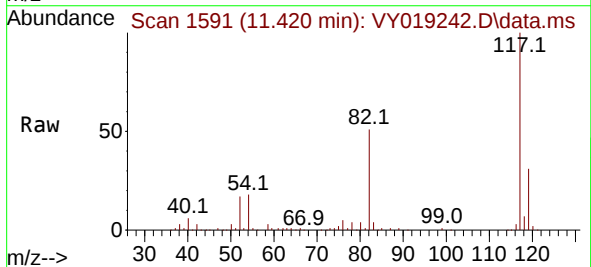
Instrument :
MSVOA_Y
ClientSampleId :

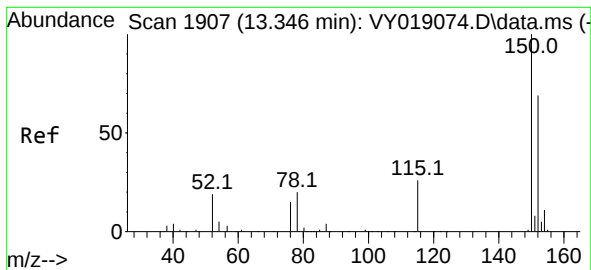
Tgt Ion: 95 Resp: 49967
Ion Ratio Lower Upper
95 100
174 88.4 0.0 175.6
176 84.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019242.D
Acq: 23 Aug 2024 01:27

Tgt Ion: 117 Resp: 137265
Ion Ratio Lower Upper
117 100
82 50.7 42.4 63.6
119 31.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY019242.D

Acq: 23 Aug 2024 01:27

Instrument :

MSVOA_Y

ClientSampleId :

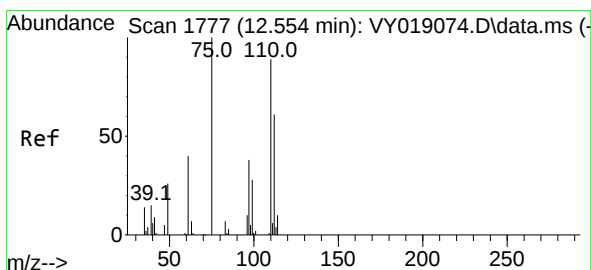
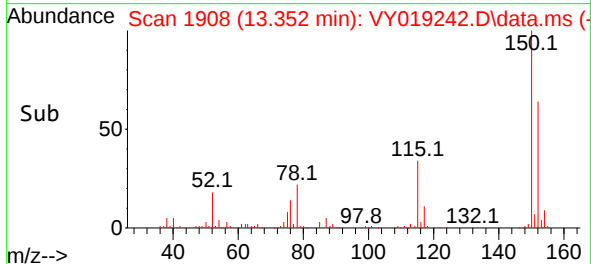
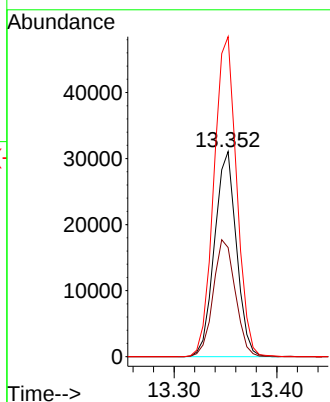
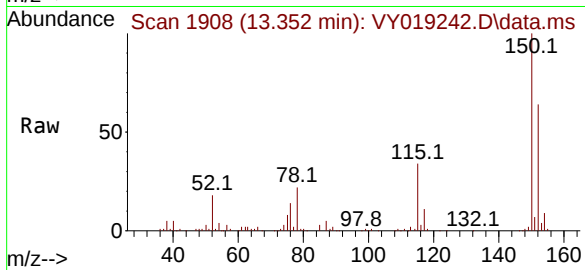
Tgt Ion:152 Resp: 45871

Ion Ratio Lower Upper

152 100

115 57.6 28.2 84.7

150 161.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 58.448 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019242.D

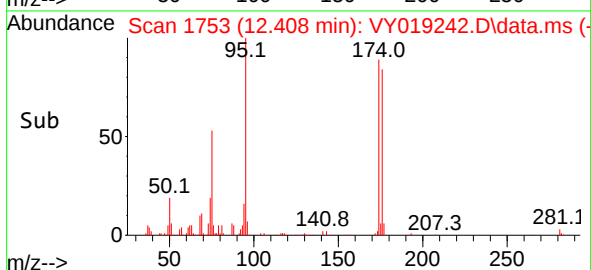
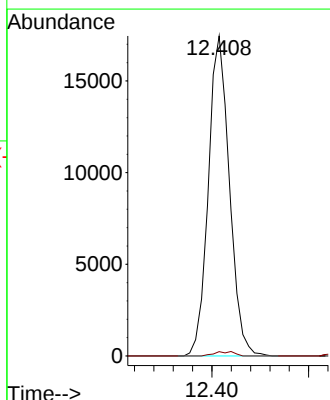
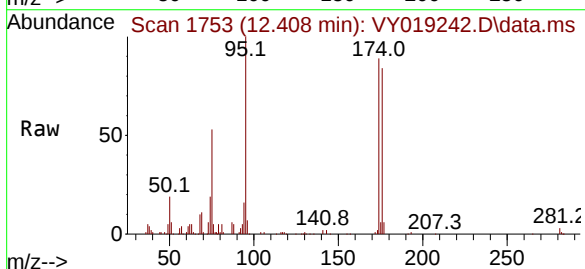
Acq: 23 Aug 2024 01:27

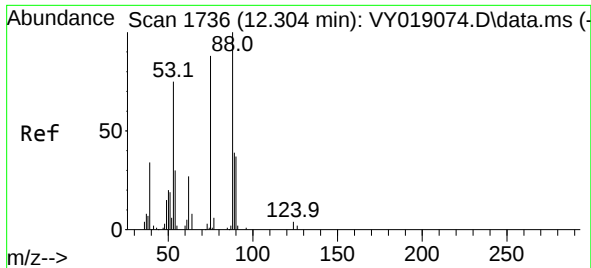
Tgt Ion: 75 Resp: 26440

Ion Ratio Lower Upper

75 100

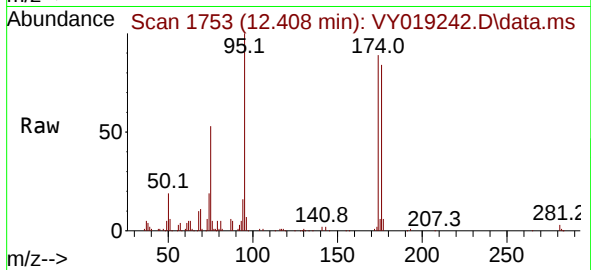
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.346 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019242.D
 Acq: 23 Aug 2024 01:27

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 26440
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

