

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100124\
 Data File : VY019743.D
 Acq On : 01 Oct 2024 16:01
 Operator : SY/MD
 Sample : P4212-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 02 03:15:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

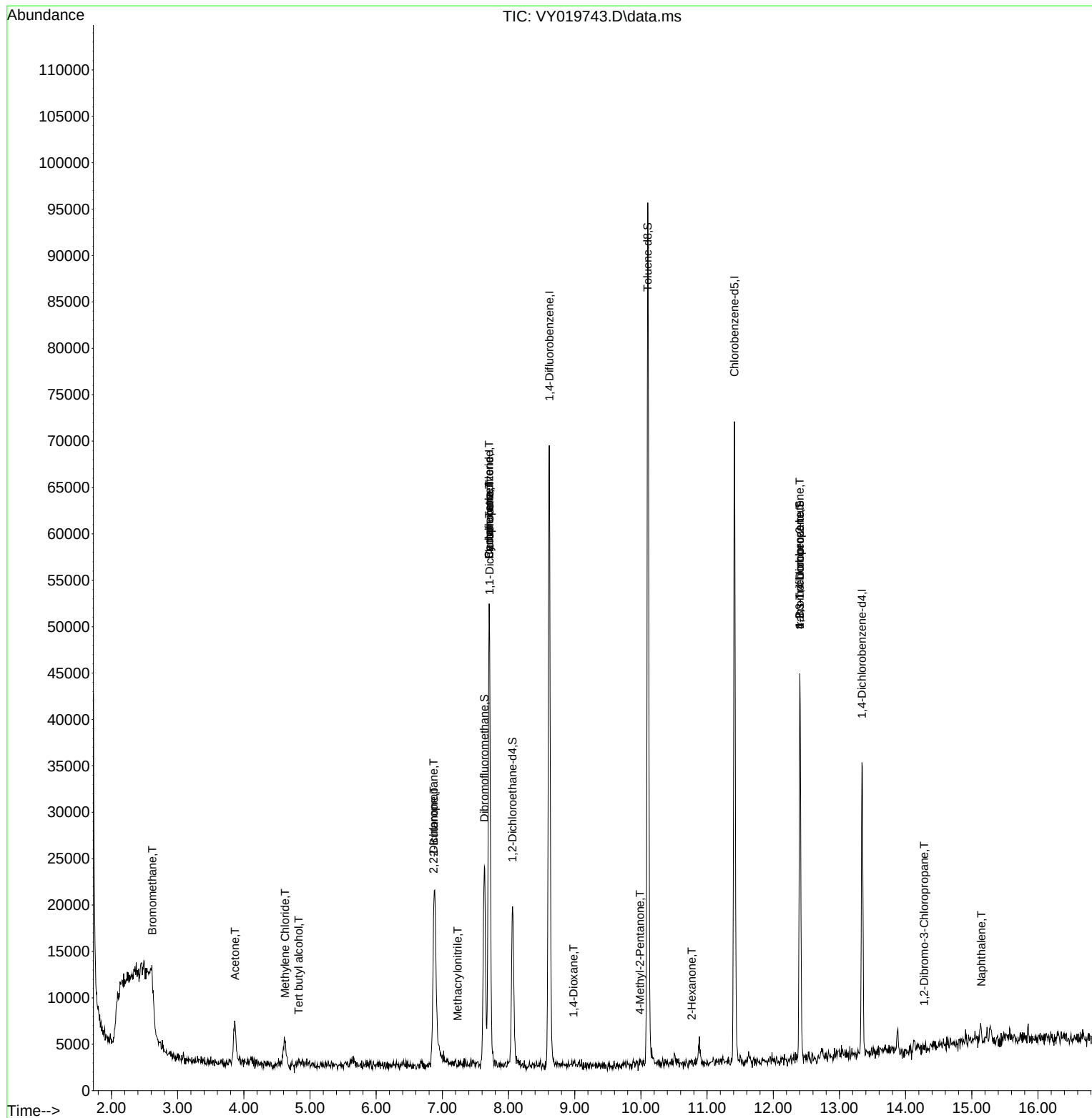
Internal Standards						
1) Pentafluorobenzene	7.707	168	36484	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	57295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	35947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	8118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14084	41.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.380%
35) Dibromofluoromethane	7.634	113	16035	49.361	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.720%
50) Toluene-d8	10.103	98	61154	50.896	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.800%
62) 4-Bromofluorobenzene	12.402	95	13415	29.036	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	58.080%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.092	85	33	Below Cal	#	43
5) Bromomethane	2.617	94	325	1.621	ug/l #	41
11) Tert butyl alcohol	4.830	59	155	5.681	ug/l #	57
13) Acrolein	3.641	56	68	Below Cal	#	16
16) Acetone	3.866	43	8225	102.194	ug/l #	72
20) Methylene Chloride	4.622	84	2112	5.754	ug/l #	93
25) 2-Butanone	6.872	43	616	5.381	ug/l #	41
26) 2,2-Dichloropropane	6.866	77	655	1.086	ug/l #	51
31) Cyclohexane	7.707	56	1010	1.670	ug/l #	18
36) 1,1-Dichloropropene	7.713	75	3413	7.721	ug/l #	51
38) Carbon Tetrachloride	7.707	117	4105	8.235	ug/l #	16
41) Methacrylonitrile	7.232	41	148	1.121	ug/l #	16
49) 1,4-Dioxane	8.981	88	48	22.401	ug/l #	20
51) 4-Methyl-2-Pentanone	9.987	43	400	1.671	ug/l #	59
59) 2-Hexanone	10.768	43	389	2.217	ug/l #	19
76) 1,2,3-Trichloropropane	12.402	75	6964	91.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	6964	175.700	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.279	75	19	1.091	ug/l #	1
95) Naphthalene	15.145	128	950	3.444	ug/l #	90

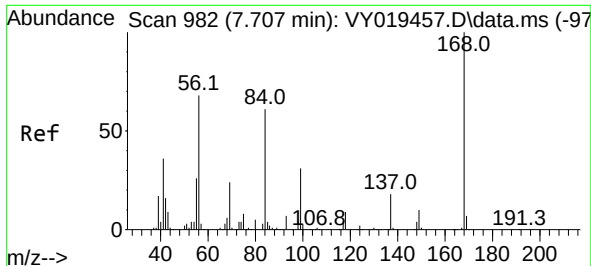
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100124\
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Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 02 03:15:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

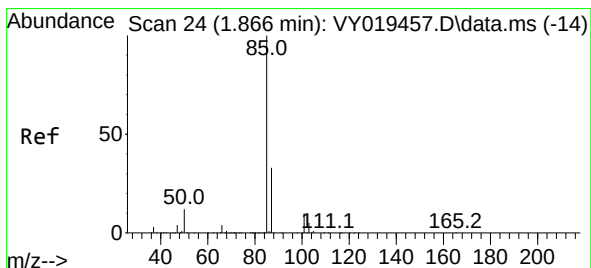
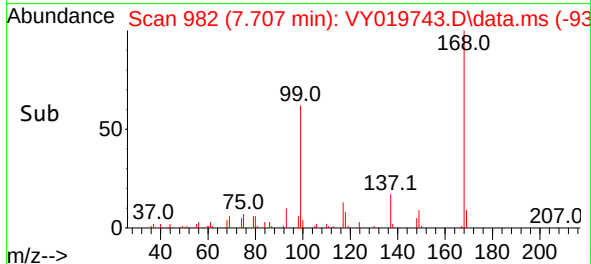
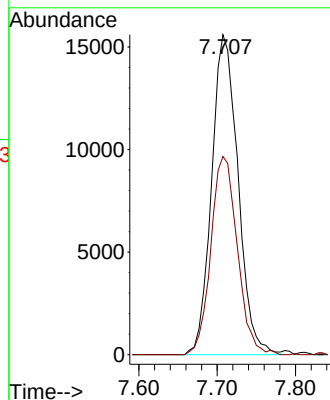
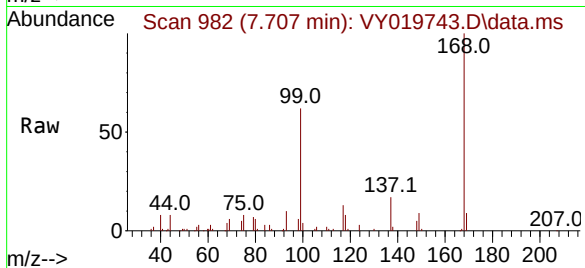




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

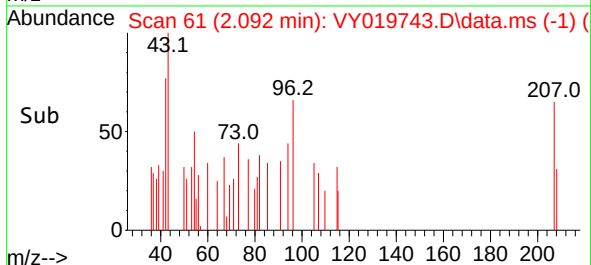
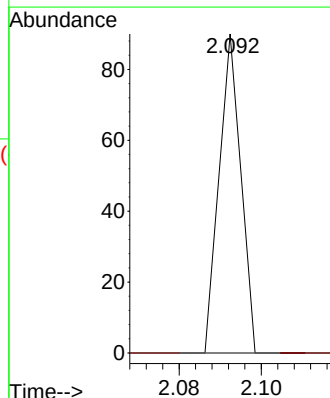
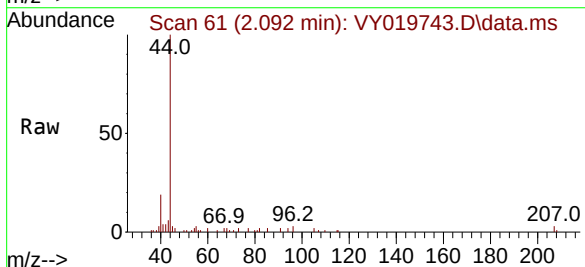
Instrument :
MSVOA_Y
ClientSampleId :

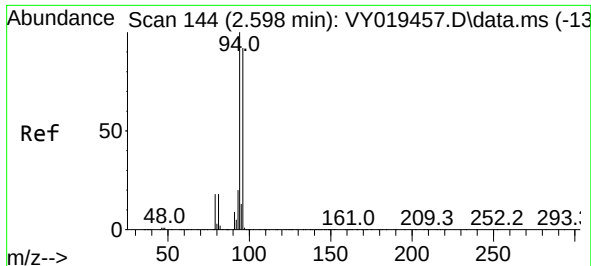
Tgt Ion:168 Resp: 36484
Ion Ratio Lower Upper
168 100
99 62.0 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.092 min Scan# 61
Delta R.T. 0.226 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

Tgt Ion: 85 Resp: 33
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

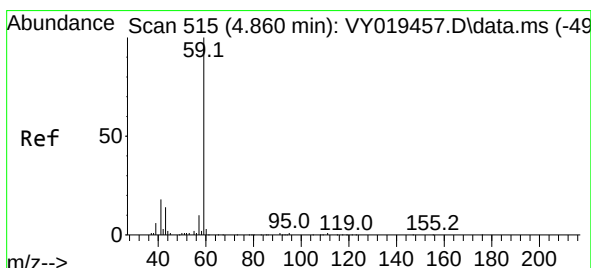
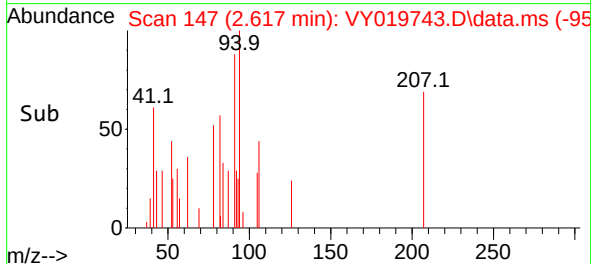
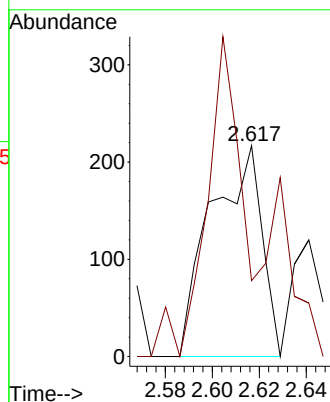
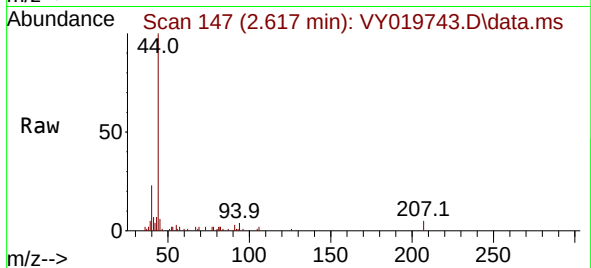




#5
Bromomethane
Concen: 1.621 ug/l
RT: 2.617 min Scan# 144
Delta R.T. 0.019 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

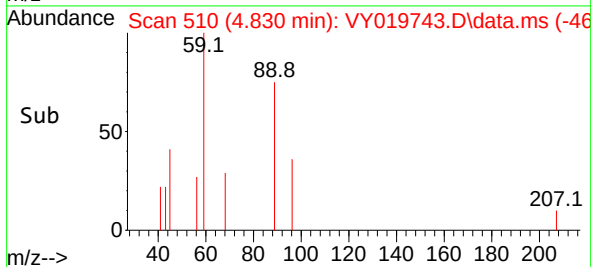
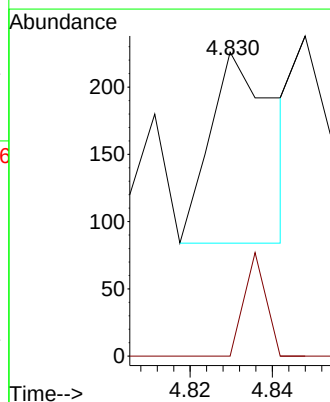
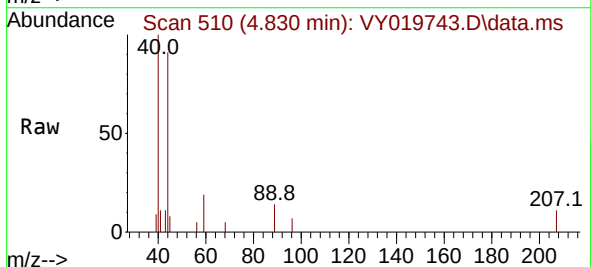
Instrument :
MSVOA_Y
ClientSampleId :

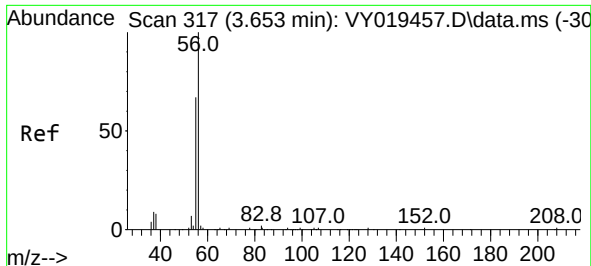
Tgt Ion: 94 Resp: 325
Ion Ratio Lower Upper
94 100
96 35.9 74.1 111.1#



#11
Tert butyl alcohol
Concen: 5.681 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

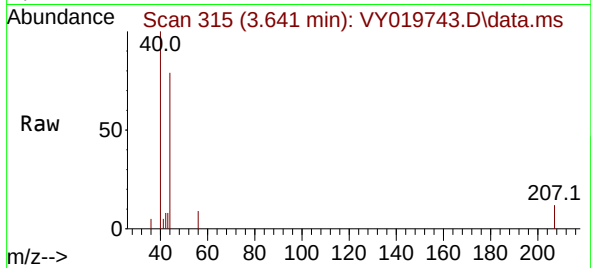
Tgt Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 18.1 3.0 4.6#



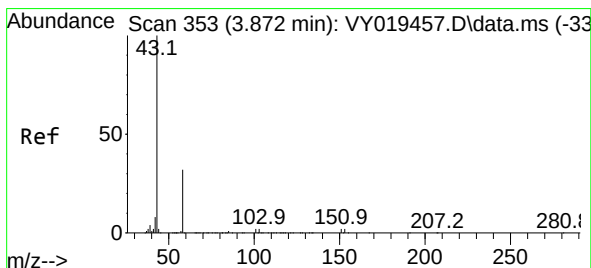
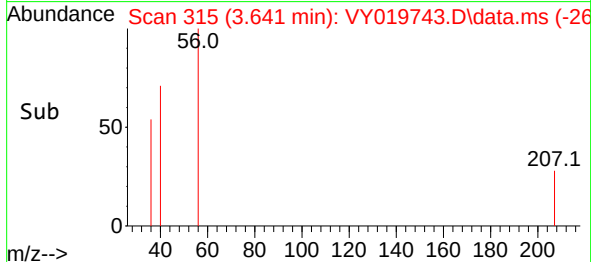
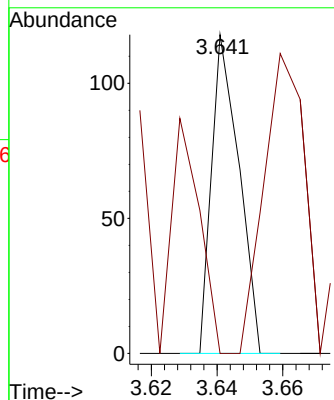


#13
Acrolein
Concen: Below Cal
RT: 3.641 min Scan# 317
Delta R.T. -0.012 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

Instrument :
MSVOA_Y
ClientSampleId :

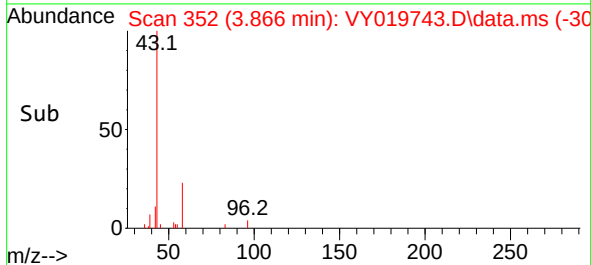
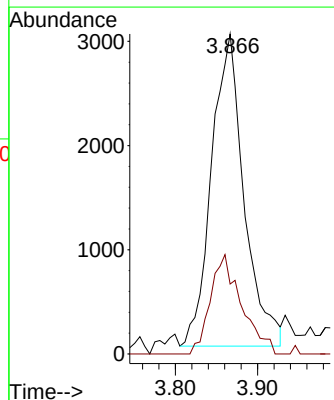
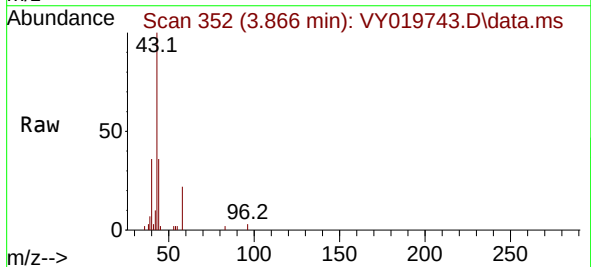


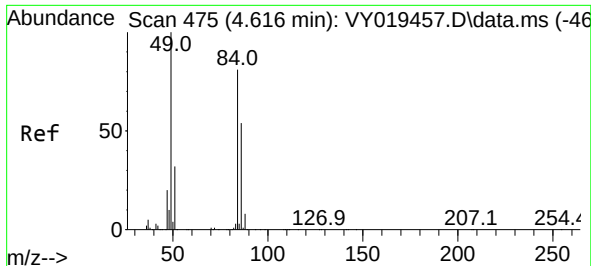
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 138.2 55.7 83.5#



#16
Acetone
Concen: 102.194 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

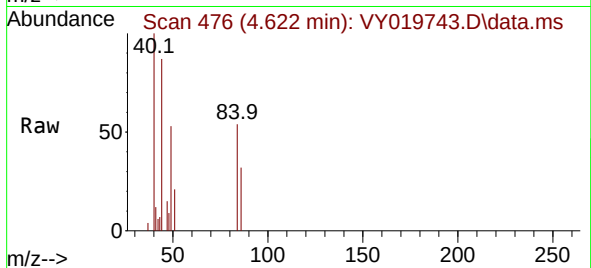
Tgt Ion: 43 Resp: 8225
Ion Ratio Lower Upper
43 100
58 22.4 31.7 47.5#



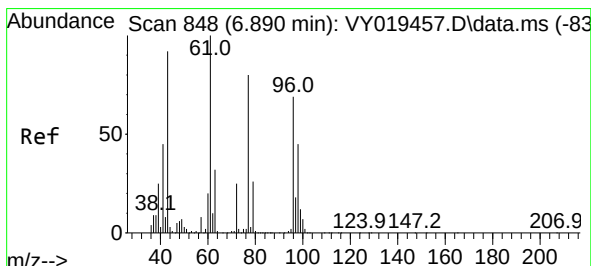
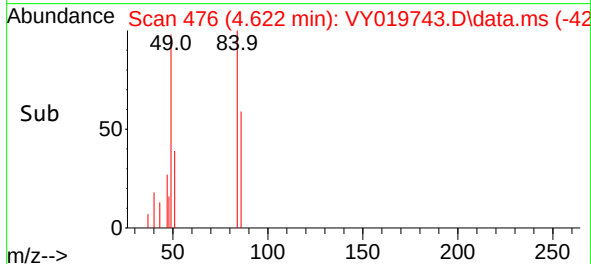
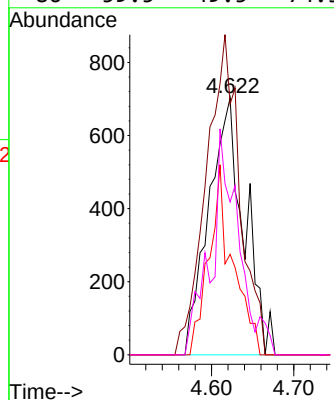


#20
Methylene Chloride
Concen: 5.754 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

Instrument :
MSVOA_Y
ClientSampleId :

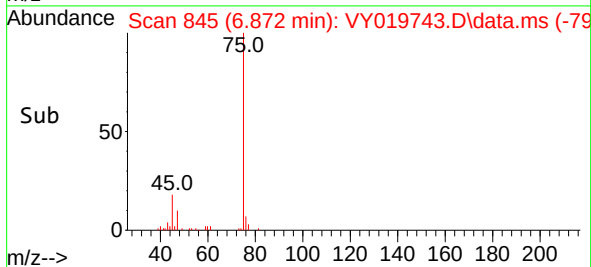
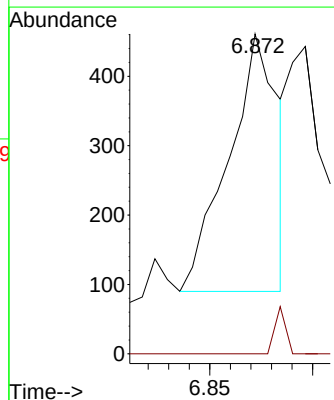
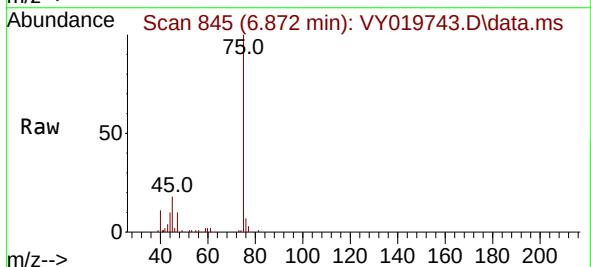


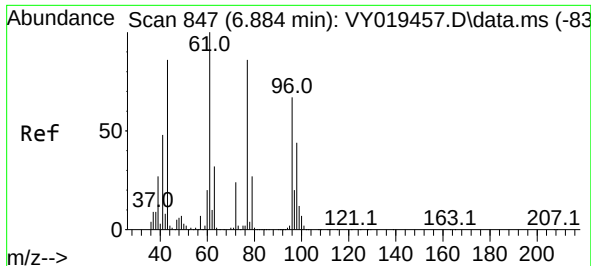
Tgt Ion:	84	Resp:	2112
Ion	Ratio	Lower	Upper
84	100		
49	97.6	84.4	126.6
51	39.1	26.0	39.0#
86	59.5	49.5	74.3



#25
2-Butanone
Concen: 5.381 ug/l
RT: 6.872 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

Tgt Ion:	43	Resp:	616
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#26

2,2-Dichloropropane

Concen: 1.086 ug/l

RT: 6.866 min Scan# 84

Delta R.T. -0.018 min

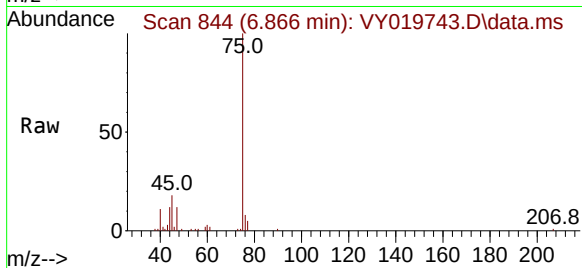
Lab File: VY019743.D

Acq: 01 Oct 2024 16:01

Instrument :

MSVOA_Y

ClientSampleId :

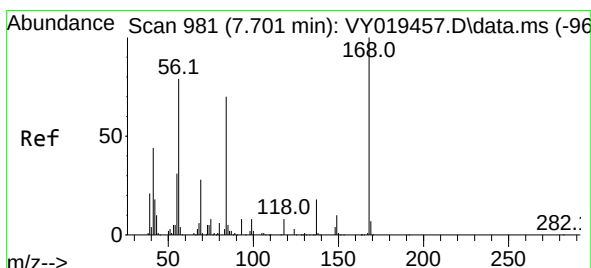
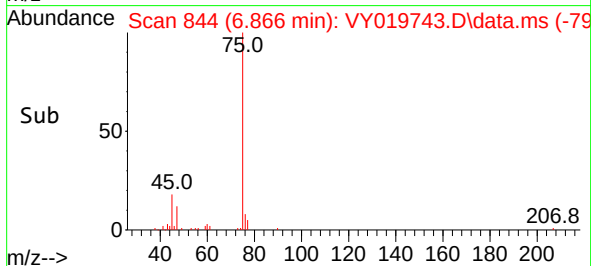
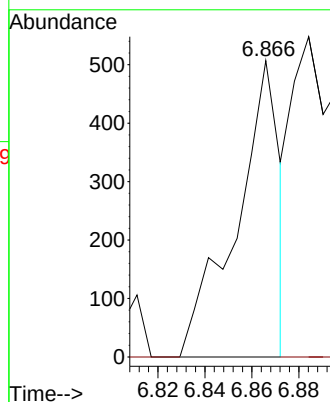


Tgt Ion: 77 Resp: 655

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#31

Cyclohexane

Concen: 1.670 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY019743.D

Acq: 01 Oct 2024 16:01

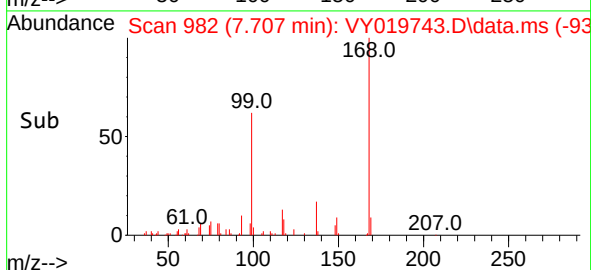
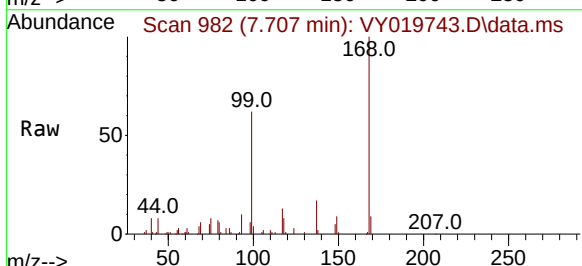
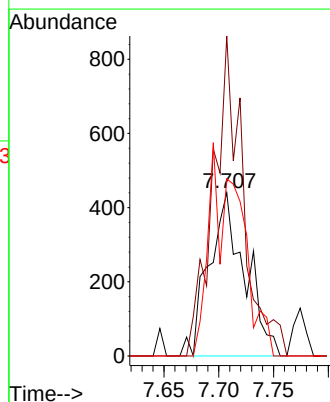
Tgt Ion: 56 Resp: 1010

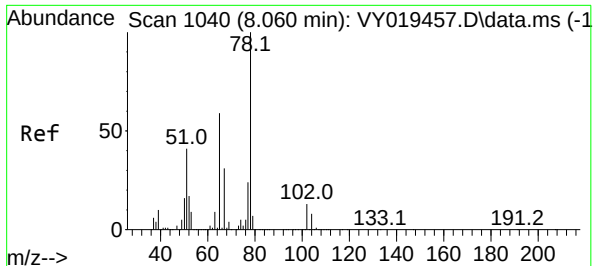
Ion Ratio Lower Upper

56 100

69 196.1 28.7 43.1#

84 108.6 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 41.689 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019743.D

Acq: 01 Oct 2024 16:01

Instrument :

MSVOA_Y

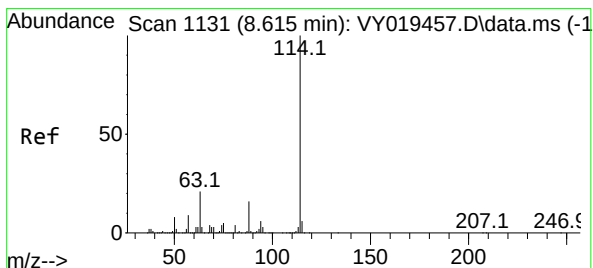
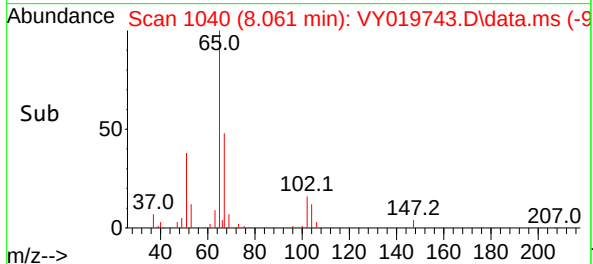
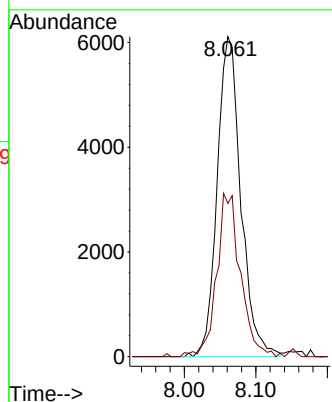
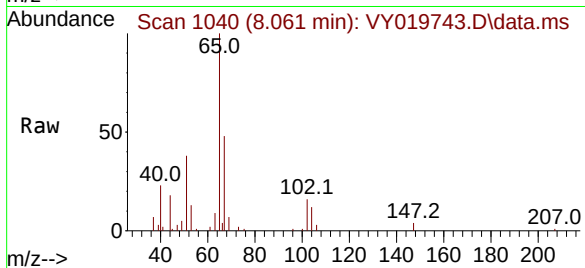
ClientSampleId :

Tgt Ion: 65 Resp: 14084

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019743.D

Acq: 01 Oct 2024 16:01

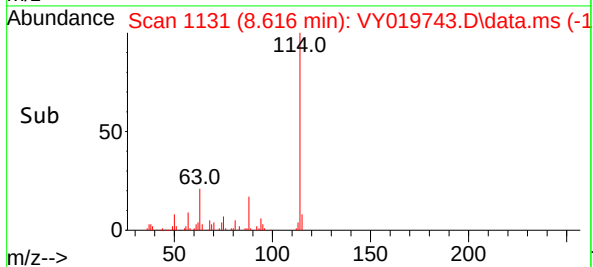
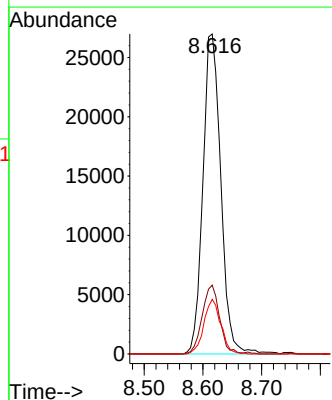
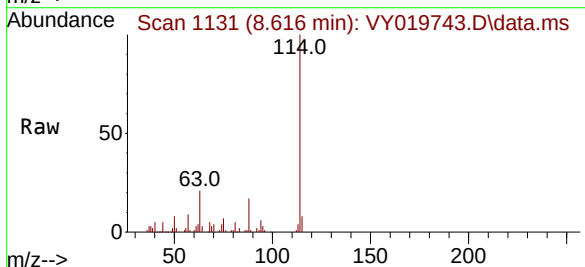
Tgt Ion: 114 Resp: 57295

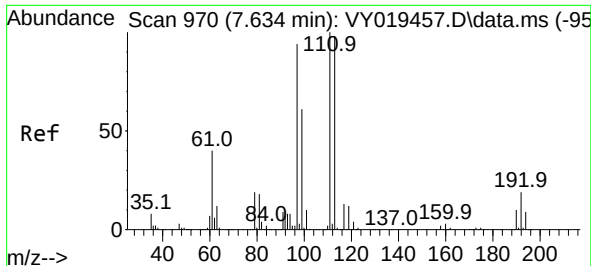
Ion Ratio Lower Upper

114 100

63 21.5 0.0 35.0

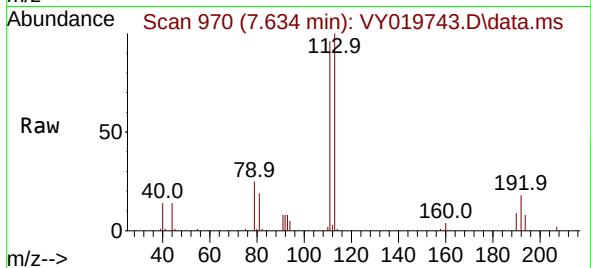
88 17.1 0.0 27.2



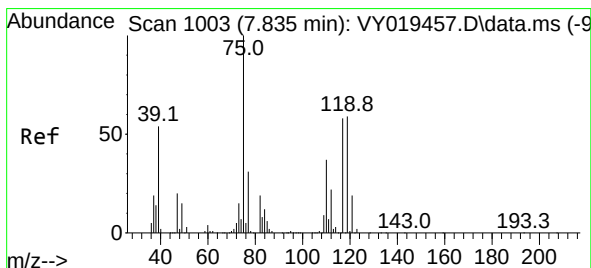
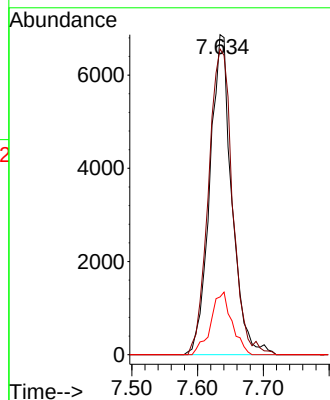
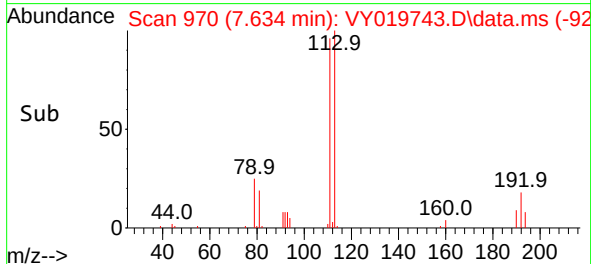


#35
Dibromofluoromethane
Concen: 49.361 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

Instrument :
MSVOA_Y
ClientSampleId :

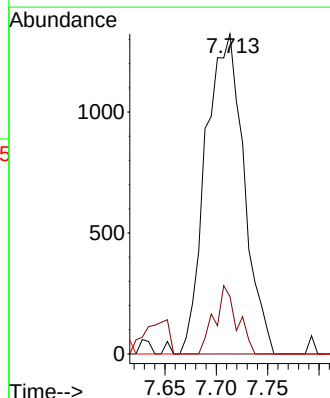
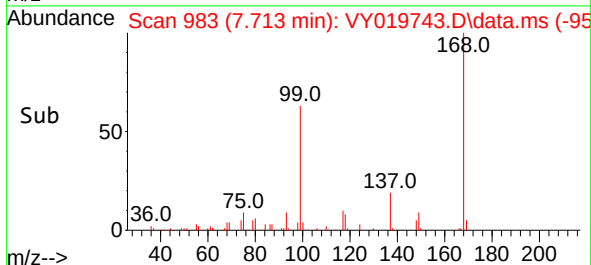
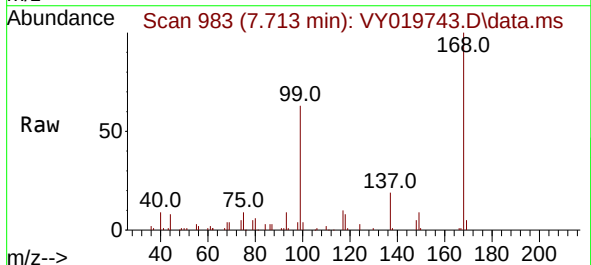


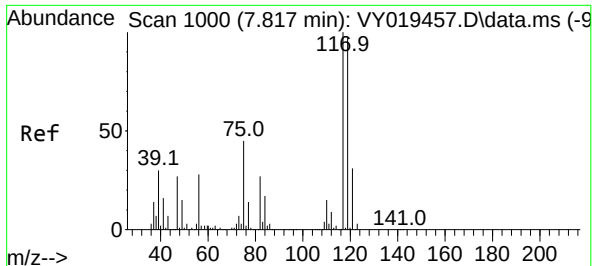
Tgt Ion:113 Resp: 16035
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.4
192 18.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 7.721 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

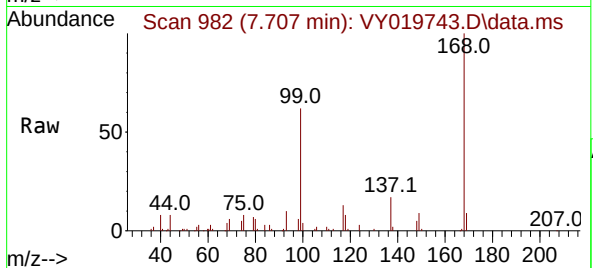
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Ion Ratio Lower Upper
75 100
110 12.6 19.0 57.0#
77 0.0 25.3 37.9#



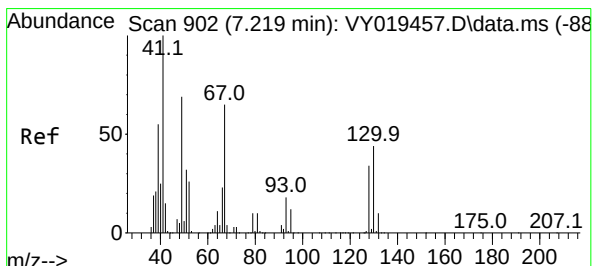
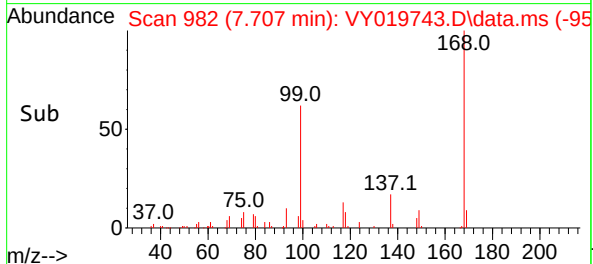
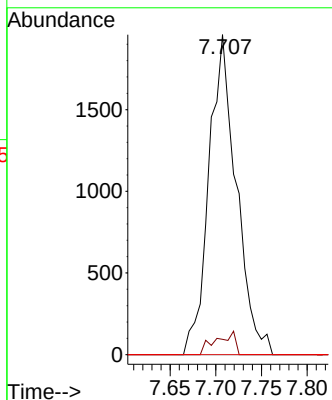


#38
Carbon Tetrachloride
Concen: 8.235 ug/l
RT: 7.707 min Scan# 910
Delta R.T. -0.109 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

Instrument :
MSVOA_Y
ClientSampleId :

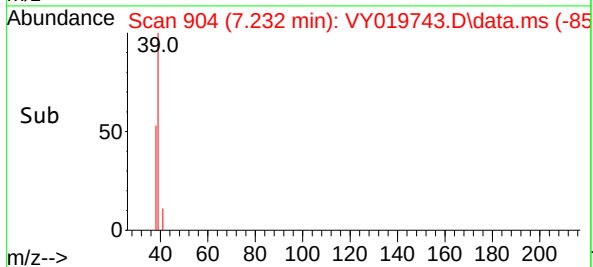
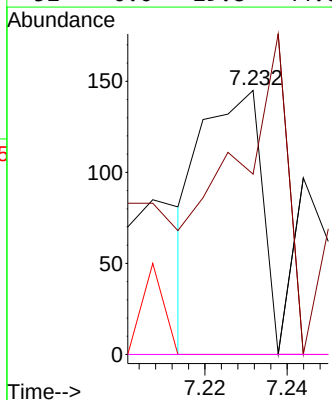
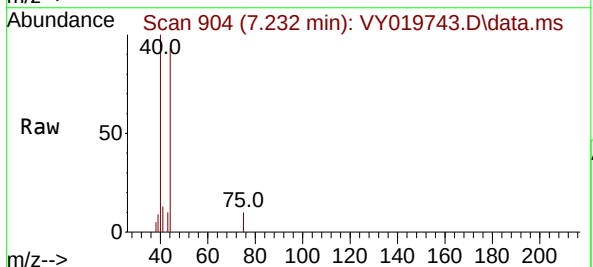


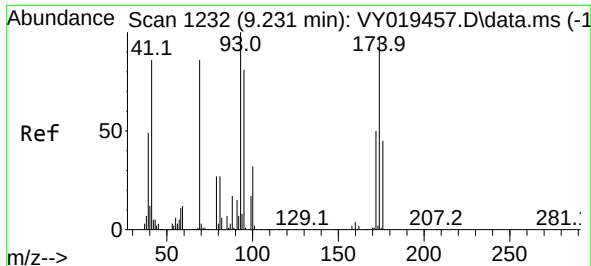
Tgt Ion:117 Resp: 4105
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.121 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.013 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

Tgt Ion: 41 Resp: 148
Ion Ratio Lower Upper
41 100
39 116.9 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#





#49

1,4-Dioxane

Concen: 22.401 ug/l

RT: 8.981 min Scan# 1191

Delta R.T. -0.250 min

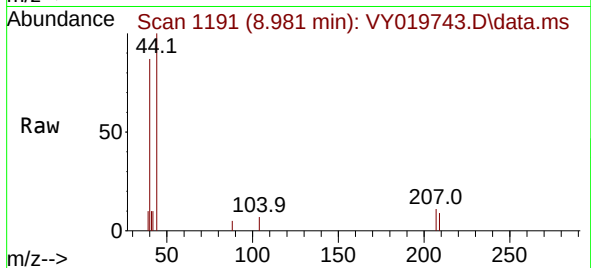
Lab File: VY019743.D

Acq: 01 Oct 2024 16:01

Instrument :

MSVOA_Y

ClientSampleId :



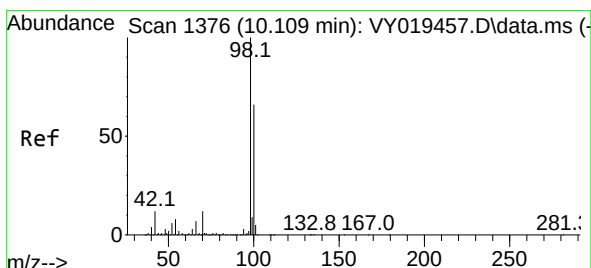
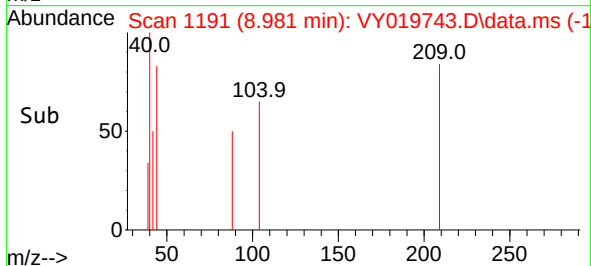
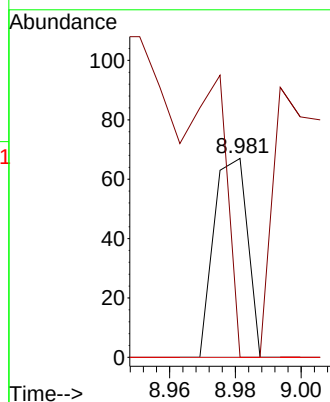
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 191.7 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 50.896 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019743.D

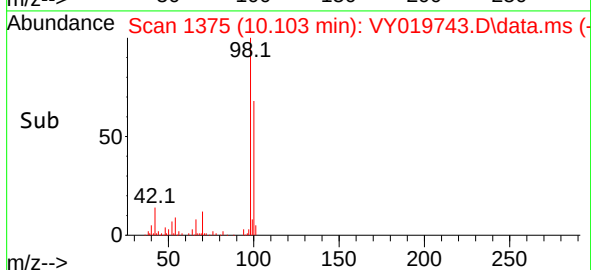
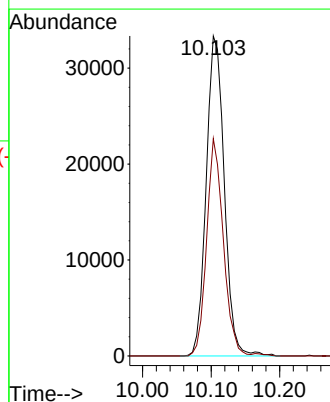
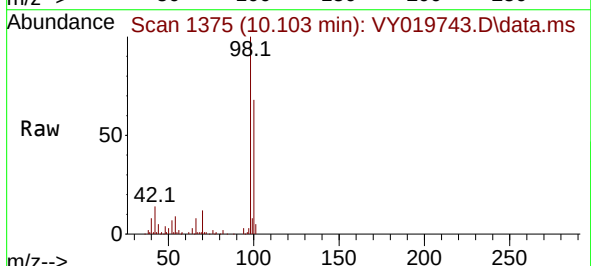
Acq: 01 Oct 2024 16:01

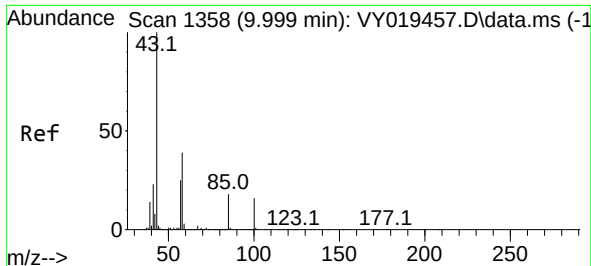
Tgt Ion: 98 Resp: 61154

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0

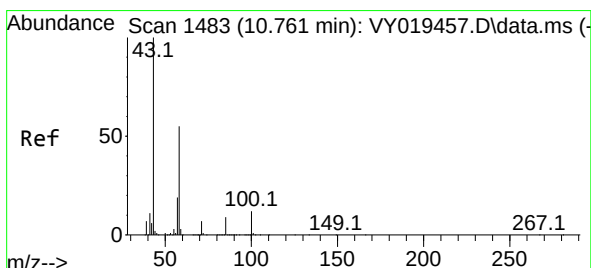
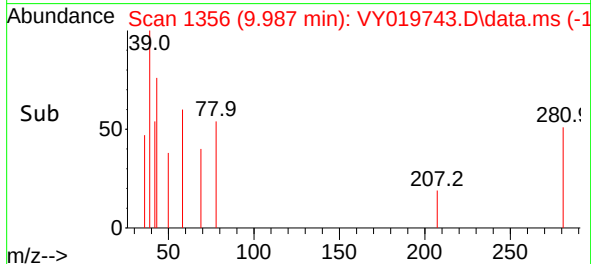
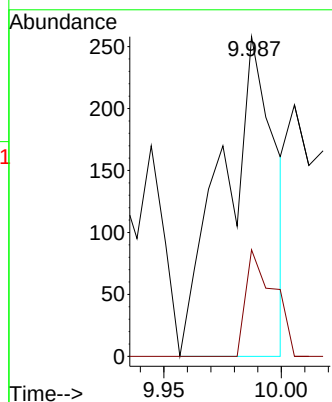
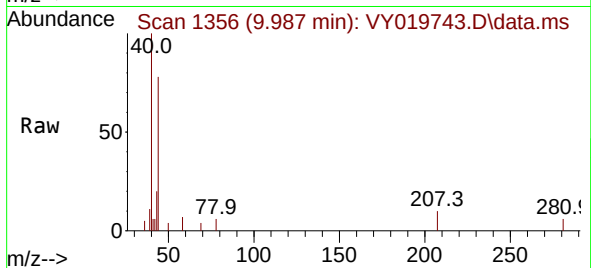




#51
4-Methyl-2-Pentanone
Concen: 1.671 ug/l
RT: 9.987 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

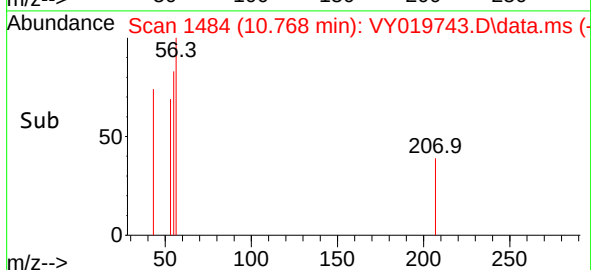
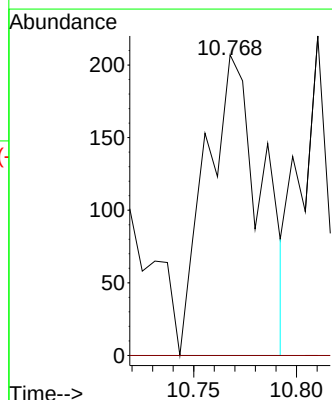
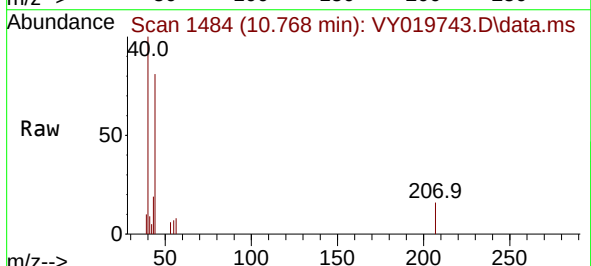
Instrument :
MSVOA_Y
ClientSampleId :

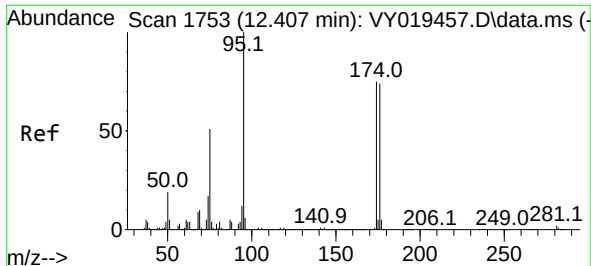
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 17.8 35.7 53.5#



#59
2-Hexanone
Concen: 2.217 ug/l
RT: 10.768 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

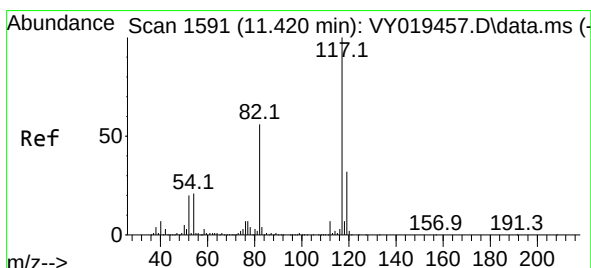
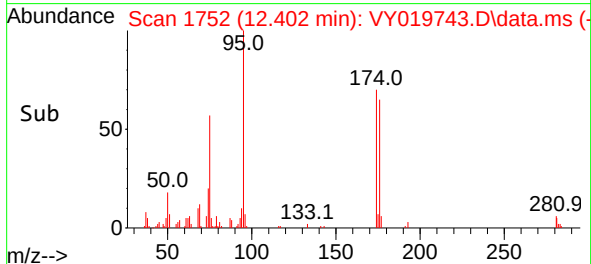
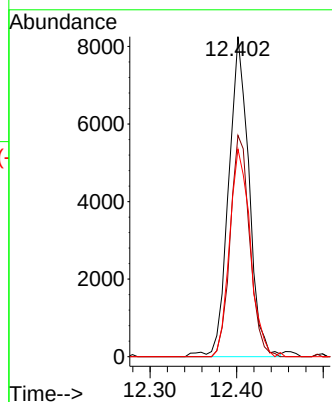
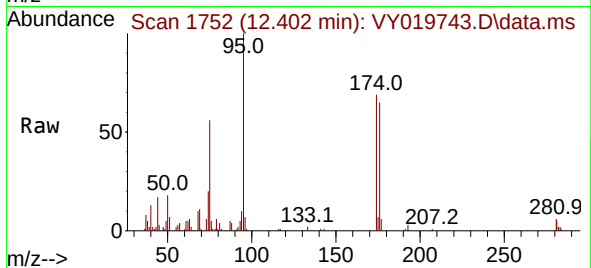




#62
4-Bromofluorobenzene
Concen: 29.036 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

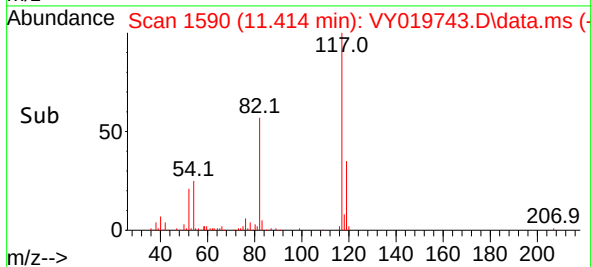
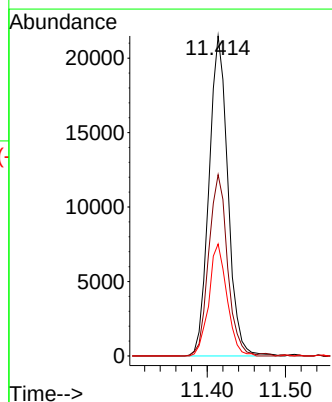
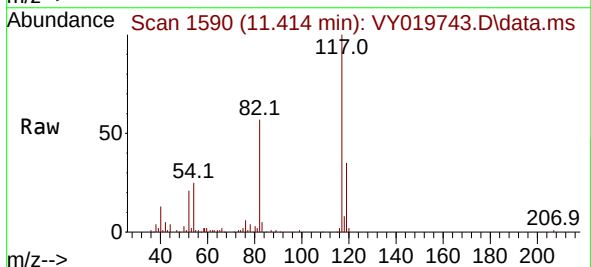
Instrument :
MSVOA_Y
ClientSampleId :

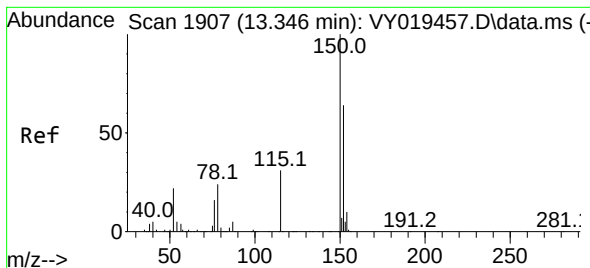
Tgt Ion: 95 Resp: 13415
Ion Ratio Lower Upper
95 100
174 66.3 0.0 175.6
176 66.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019743.D
Acq: 01 Oct 2024 16:01

Tgt Ion: 117 Resp: 35947
Ion Ratio Lower Upper
117 100
82 56.6 42.4 63.6
119 35.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019743.D

Acq: 01 Oct 2024 16:01

Instrument :

MSVOA_Y

ClientSampleId :

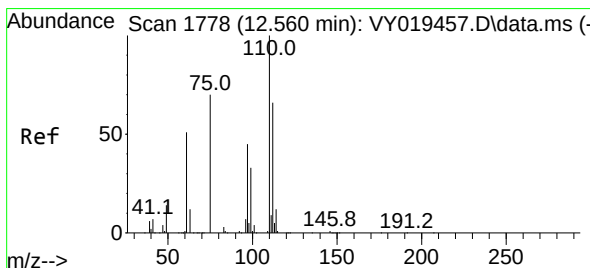
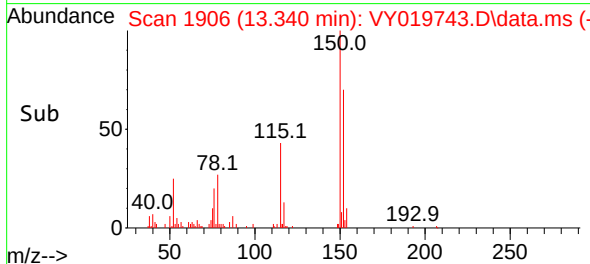
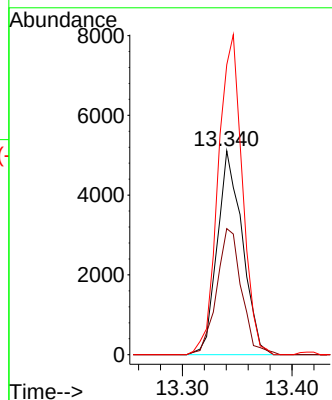
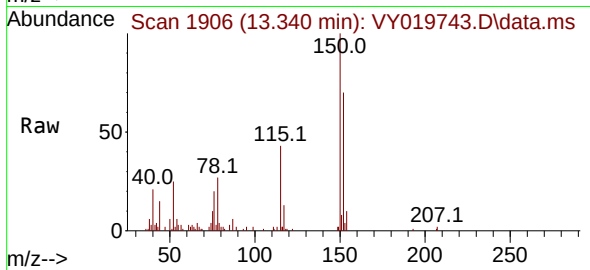
Tgt Ion:152 Resp: 8118

Ion Ratio Lower Upper

152 100

115 61.2 28.2 84.7

150 151.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 91.524 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019743.D

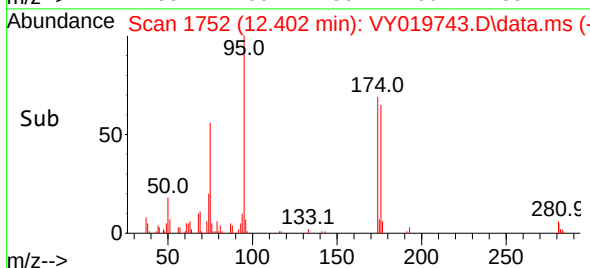
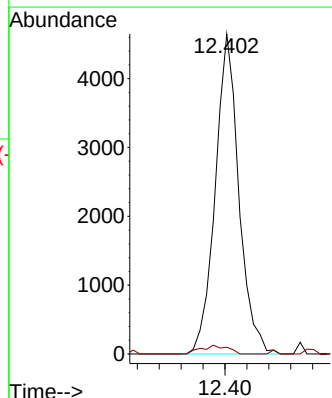
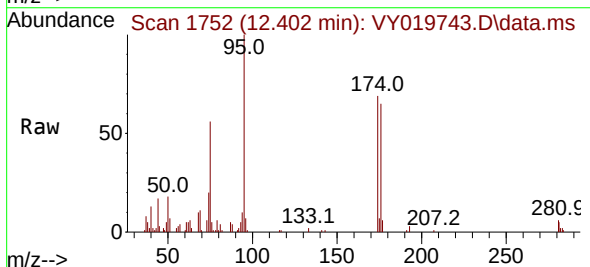
Acq: 01 Oct 2024 16:01

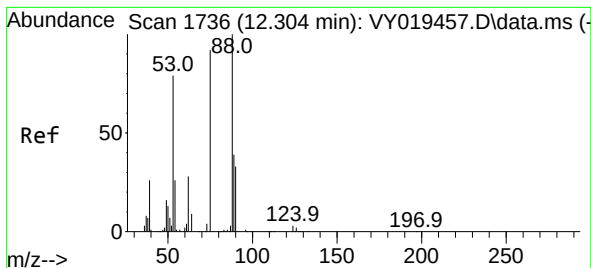
Tgt Ion: 75 Resp: 6964

Ion Ratio Lower Upper

75 100

77 3.1 0.0 0.0#

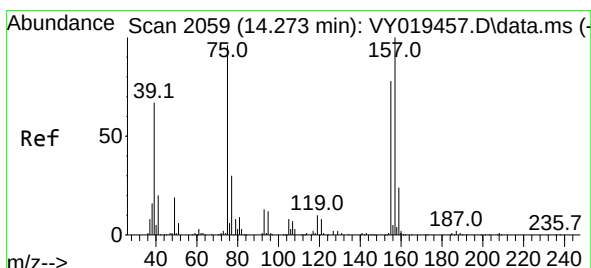
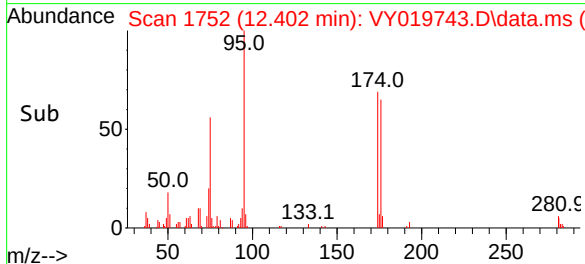
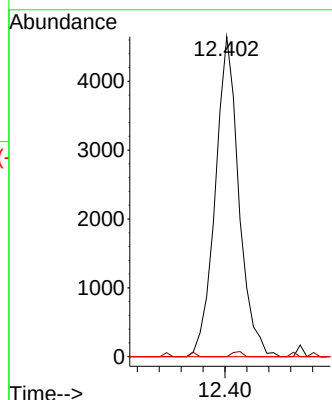
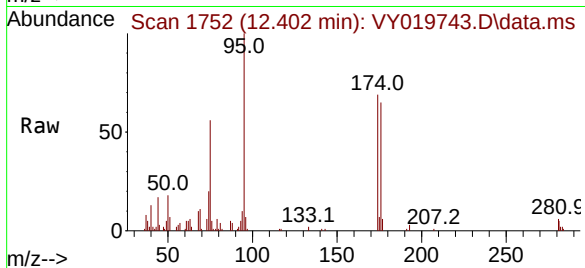




#81
 trans-1,4-Dichloro-2-butene
 Concen: 175.700 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019743.D
 Acq: 01 Oct 2024 16:01

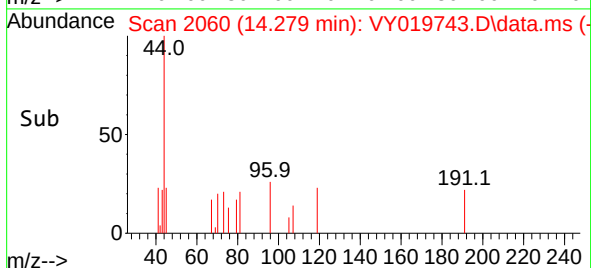
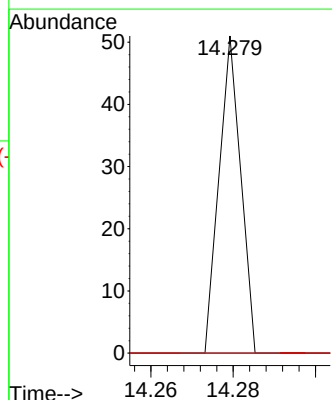
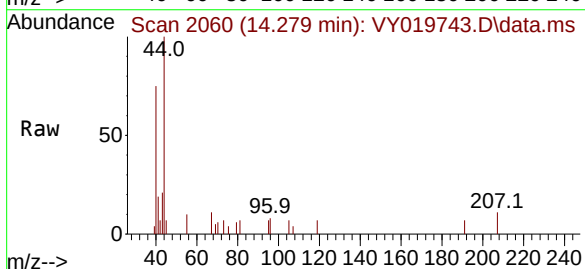
Instrument :
 MSVOA_Y
 ClientSampleId :

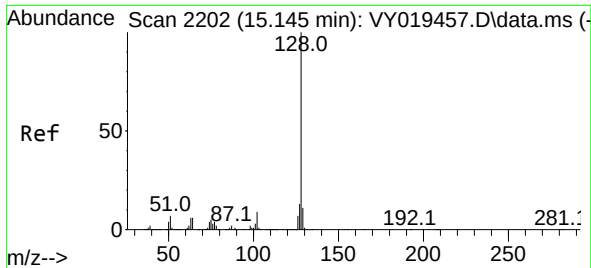
Tgt Ion: 75 Resp: 6964
 Ion Ratio Lower Upper
 75 100
 53 0.7 66.8 100.2#
 89 0.0 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.091 ug/l
 RT: 14.279 min Scan# 2060
 Delta R.T. 0.006 min
 Lab File: VY019743.D
 Acq: 01 Oct 2024 16:01

Tgt Ion: 75 Resp: 19
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#





#95

Naphthalene

Concen: 3.444 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

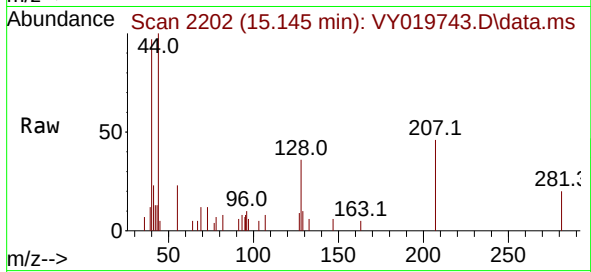
Lab File: VY019743.D

Acq: 01 Oct 2024 16:01

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	128	Resp:	950
Ion	Ratio	Lower	Upper
128	100		
127	7.2	10.6	16.0#
129	9.9	8.6	13.0

