

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112524\
 Data File : VY020432.D
 Acq On : 25 Nov 2024 16:10
 Operator : SY/MD
 Sample : P4951-02
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 26 00:45:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

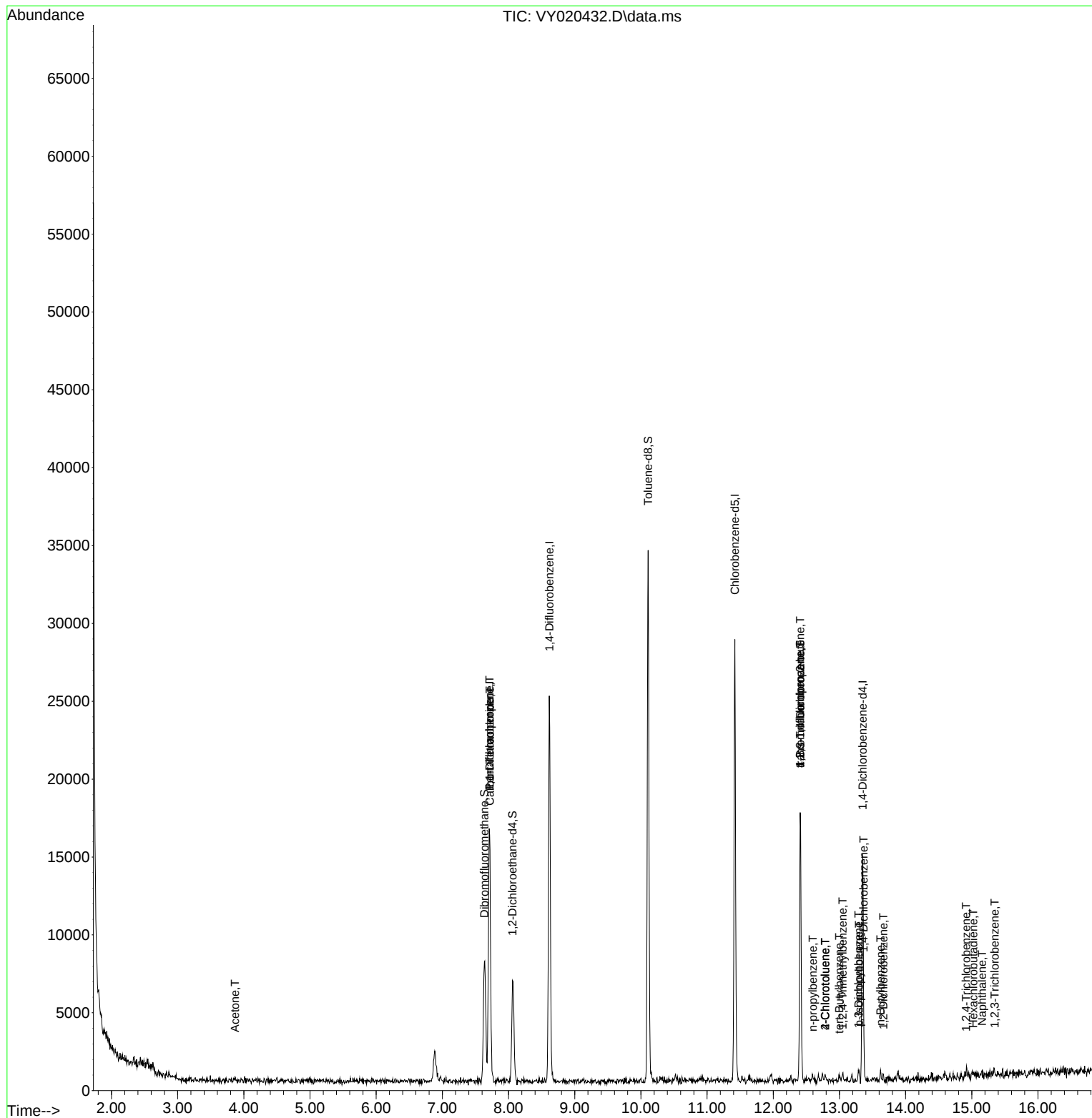
Internal Standards						
1) Pentafluorobenzene	7.713	168	12688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	20497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	14943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	3766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	5852	40.145	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.300%
35) Dibromofluoromethane	7.634	113	5888	44.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.600%
50) Toluene-d8	10.109	98	22597	43.645	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.300%
62) 4-Bromofluorobenzene	12.408	95	5317	31.946	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	63.900%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	257	7.354	ug/l	97
36) 1,1-Dichloropropene	7.713	75	1039	5.176	ug/l #	43
38) Carbon Tetrachloride	7.719	117	1464	6.985	ug/l #	11
76) 1,2,3-Trichloropropane	12.408	75	3025	85.222	ug/l #	100
78) n-propylbenzene	12.597	91	388	1.013	ug/l #	67
79) 2-Chlorotoluene	12.785	91	290	1.317	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.408	75	3025	166.988	ug/l #	9
82) 4-Chlorotoluene	12.785	91	290	1.276	ug/l	93
83) tert-Butylbenzene	12.999	119	247	1.086	ug/l #	84
84) 1,2,4-Trimethylbenzene	13.048	105	361	1.412	ug/l #	50
86) p-Isopropyltoluene	13.298	119	349	1.258	ug/l #	50
87) 1,3-Dichlorobenzene	13.291	146	165	1.221	ug/l	78
88) 1,4-Dichlorobenzene	13.365	146	271	2.099	ug/l	84
89) n-Butylbenzene	13.621	91	277	1.043	ug/l #	75
91) 1,2-Dichlorobenzene	13.663	146	212	1.883	ug/l	68
93) 1,2,4-Trichlorobenzene	14.913	180	79	1.160	ug/l #	22
94) Hexachlorobutadiene	15.023	225	82	1.973	ug/l #	52
95) Naphthalene	15.157	128	442	3.770	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.346	180	267	4.587	ug/l #	35

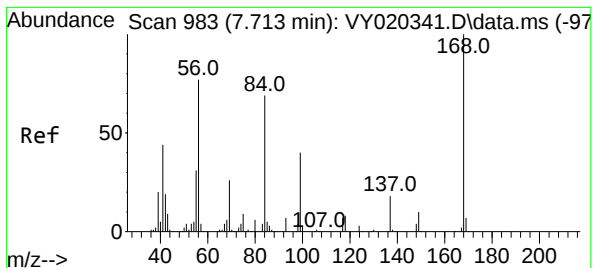
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

Instrument :

MSVOA_Y

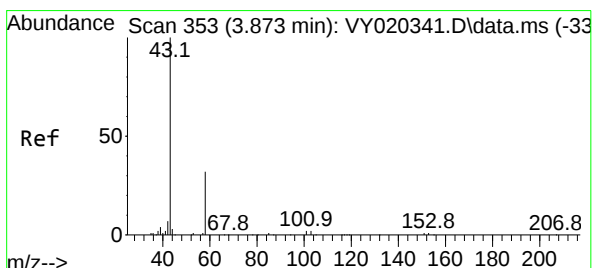
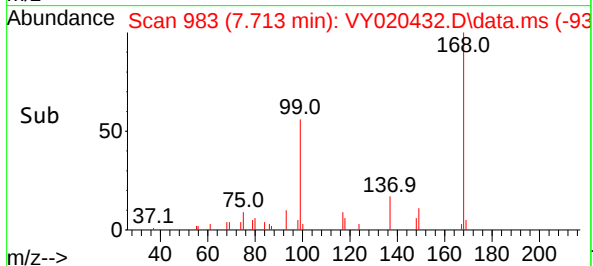
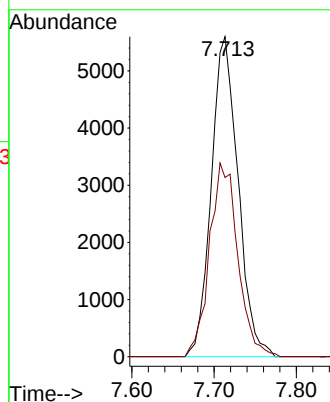
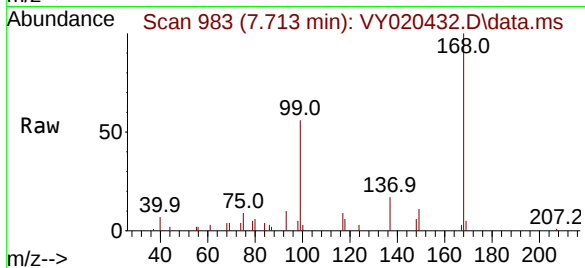
ClientSampleId :

Tgt Ion:168 Resp: 12688

Ion Ratio Lower Upper

168 100

99 56.0 46.6 69.8



#16

Acetone

Concen: 7.354 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY020432.D

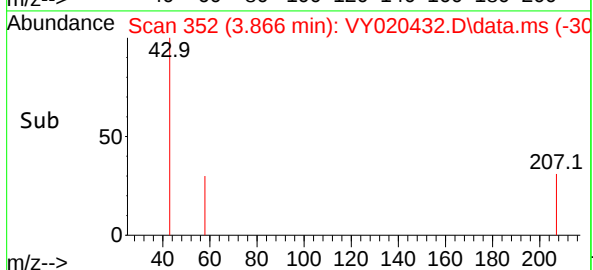
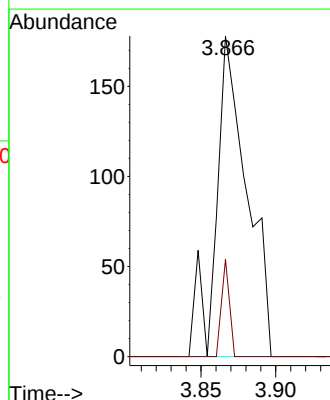
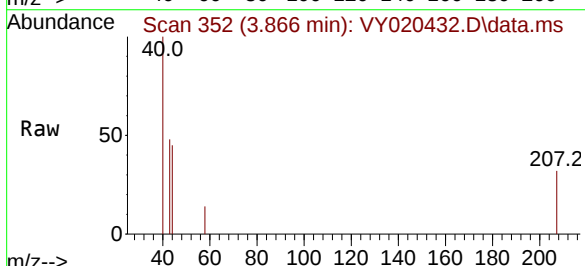
Acq: 25 Nov 2024 16:10

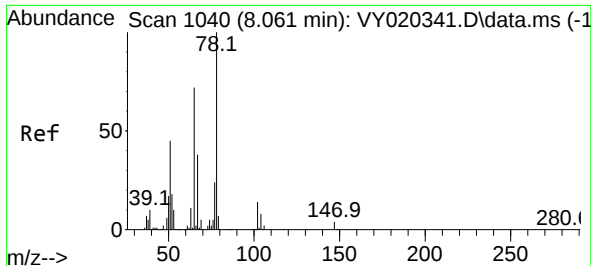
Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

43 100

58 30.3 25.7 38.5





#33

1,2-Dichloroethane-d4

Concen: 40.145 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

Instrument :

MSVOA_Y

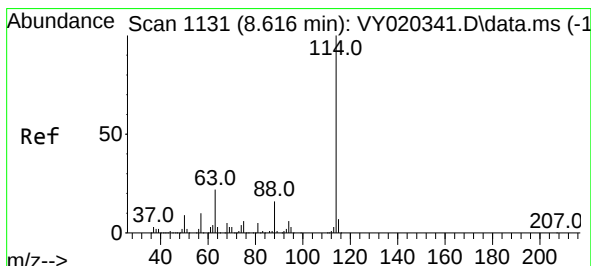
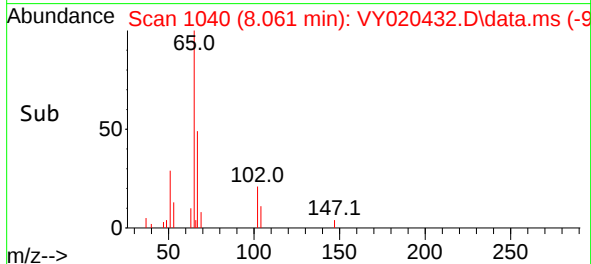
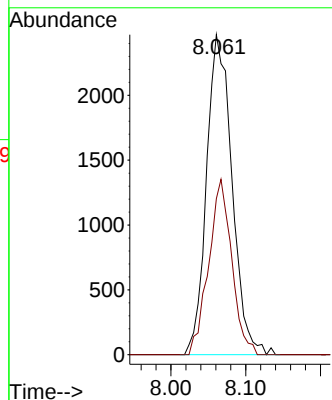
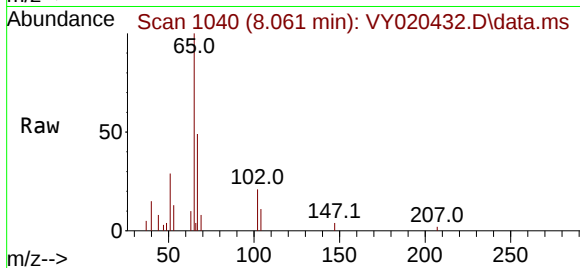
ClientSampleId :

Tgt Ion: 65 Resp: 5852

Ion Ratio Lower Upper

65 100

67 49.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

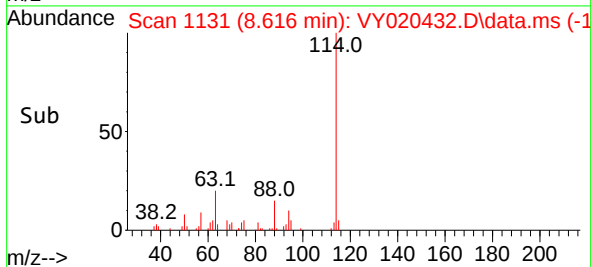
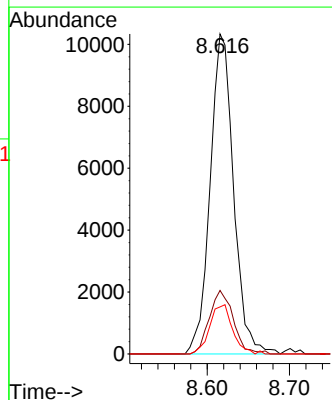
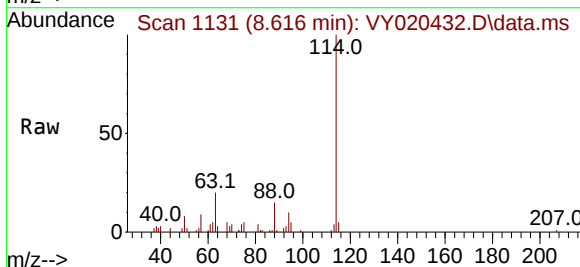
Tgt Ion: 114 Resp: 20497

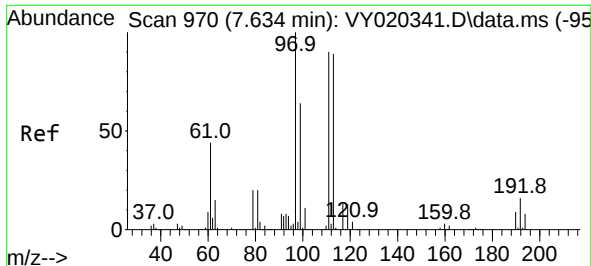
Ion Ratio Lower Upper

114 100

63 19.8 0.0 44.8

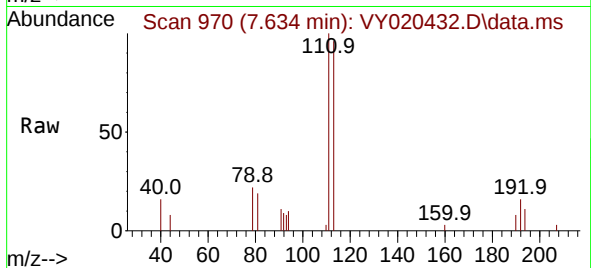
88 14.7 0.0 32.0



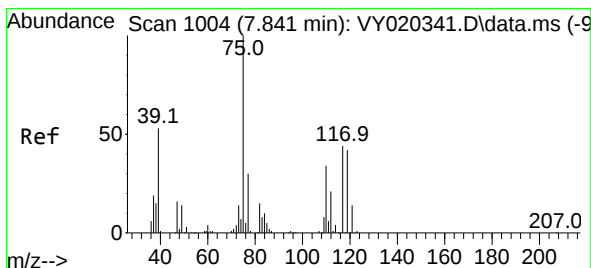
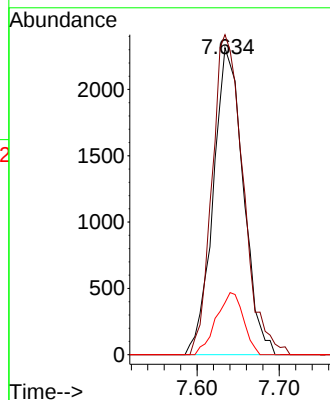
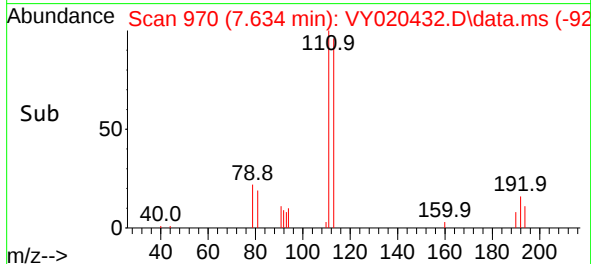


#35
Dibromofluoromethane
Concen: 44.799 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020432.D
Acq: 25 Nov 2024 16:10

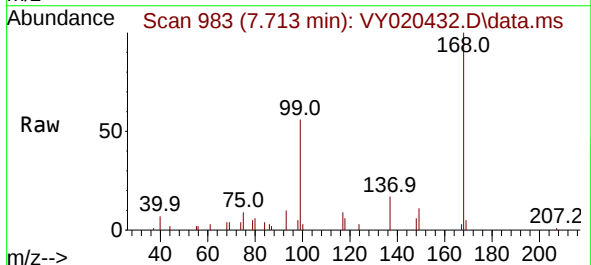
Instrument :
MSVOA_Y
ClientSampleId :



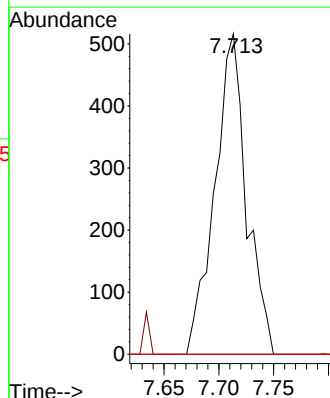
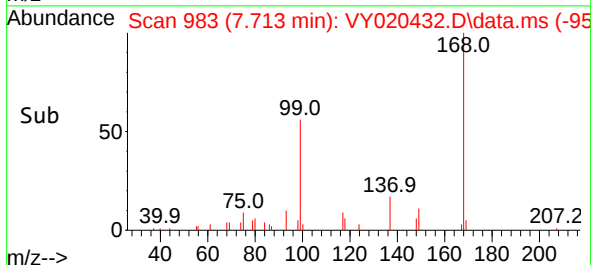
Tgt Ion:113 Resp: 5888
Ion Ratio Lower Upper
113 100
111 107.8 81.4 122.0
192 18.3 15.1 22.7

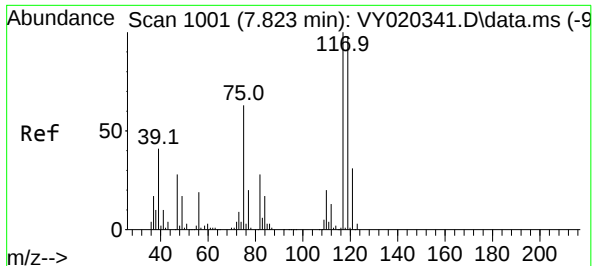


#36
1,1-Dichloropropene
Concen: 5.176 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020432.D
Acq: 25 Nov 2024 16:10



Tgt Ion: 75 Resp: 1039
Ion Ratio Lower Upper
75 100
110 0.0 16.7 50.0#
77 0.0 24.6 36.8#

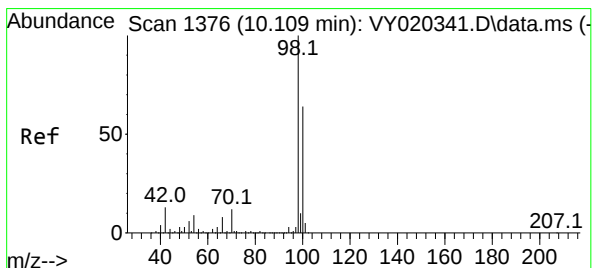
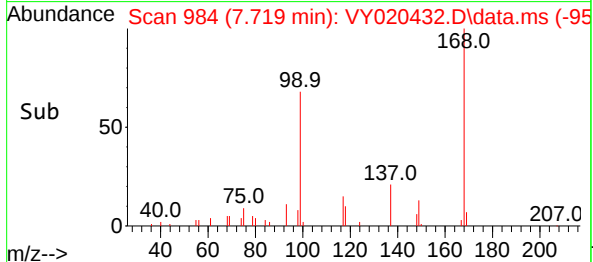
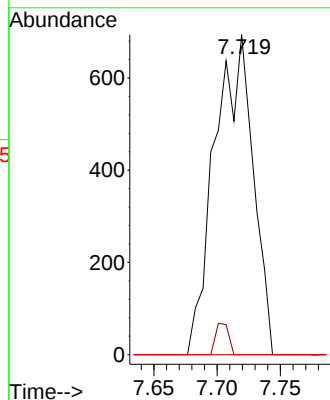
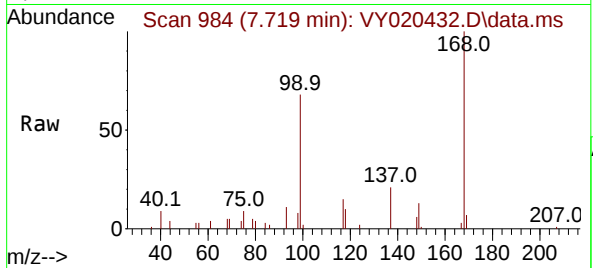




#38
Carbon Tetrachloride
Concen: 6.985 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY020432.D
Acq: 25 Nov 2024 16:10

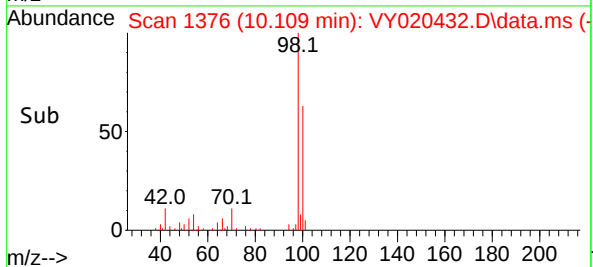
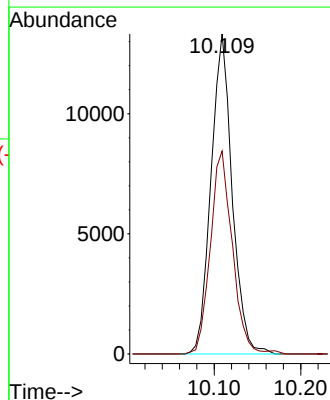
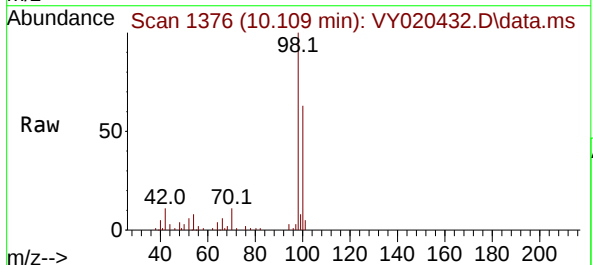
Instrument :
MSVOA_Y
ClientSampleId :

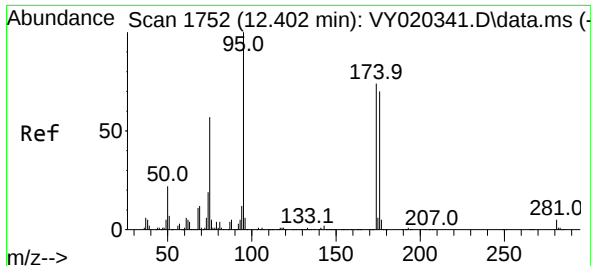
Tgt Ion:117 Resp: 1464
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 43.645 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY020432.D
Acq: 25 Nov 2024 16:10

Tgt Ion: 98 Resp: 22597
Ion Ratio Lower Upper
98 100
100 65.9 51.3 76.9





#62

4-Bromofluorobenzene

Concen: 31.946 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

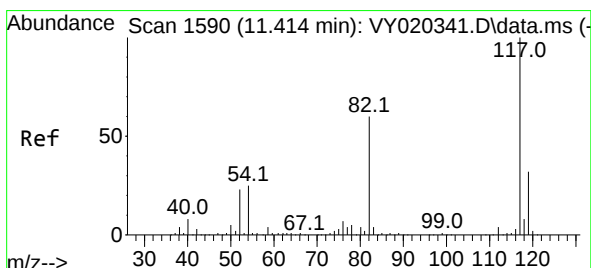
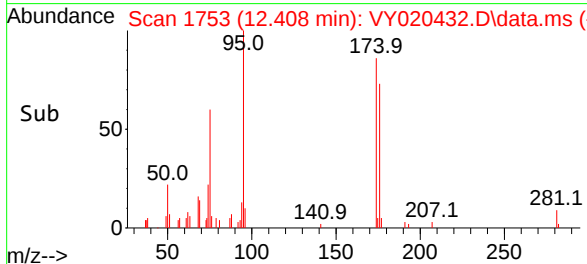
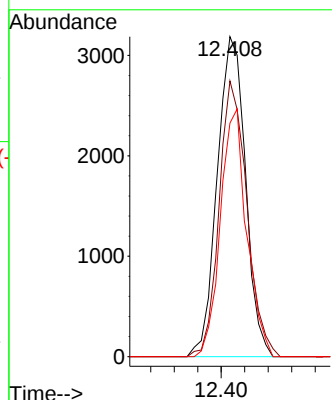
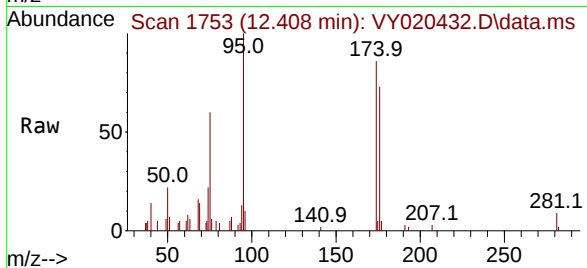
Tgt Ion: 95 Resp: 5317

Ion Ratio Lower Upper

95 100

174 84.7 0.0 156.8

176 72.2 0.0 152.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

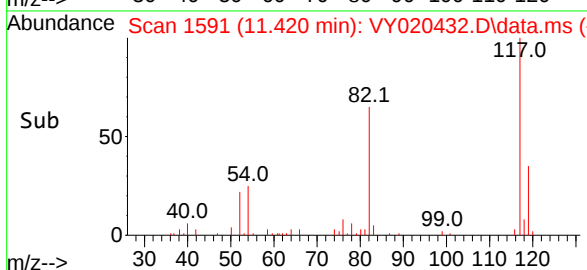
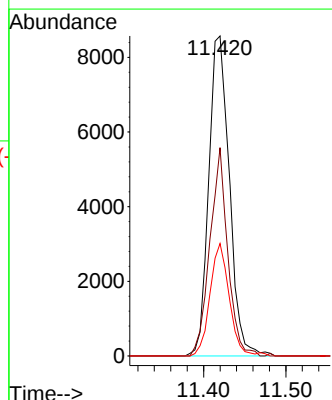
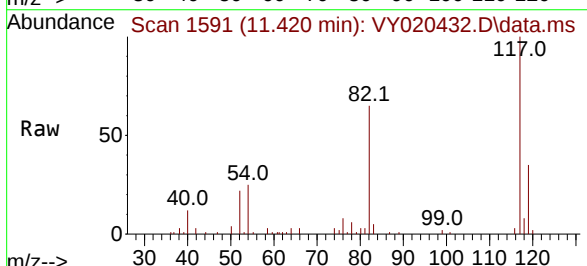
Tgt Ion: 117 Resp: 14943

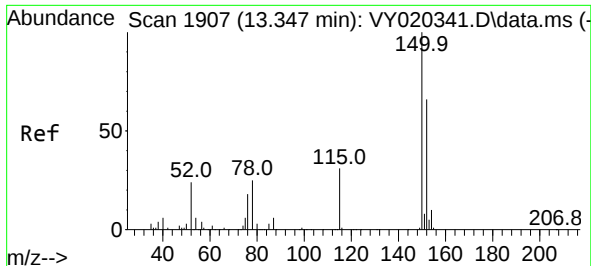
Ion Ratio Lower Upper

117 100

82 65.1 48.2 72.4

119 35.1 25.8 38.8

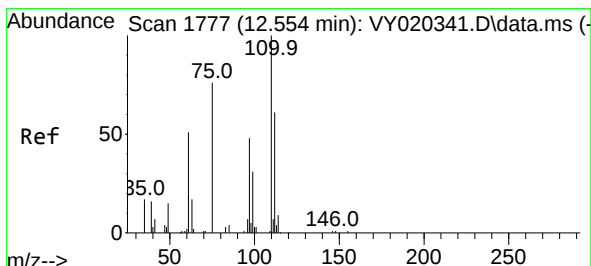
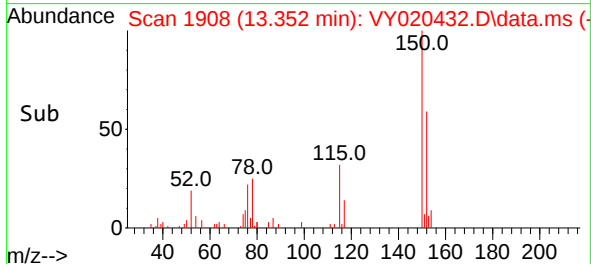
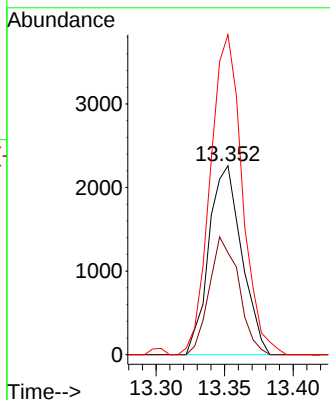
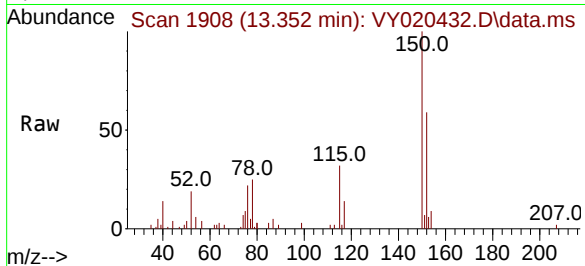




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020432.D
Acq: 25 Nov 2024 16:10

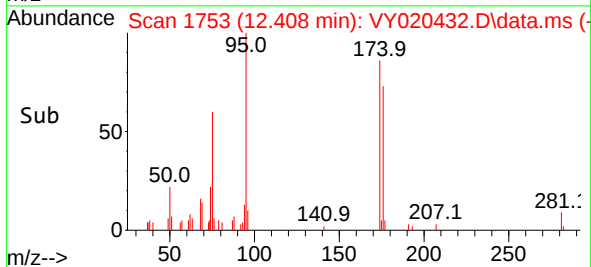
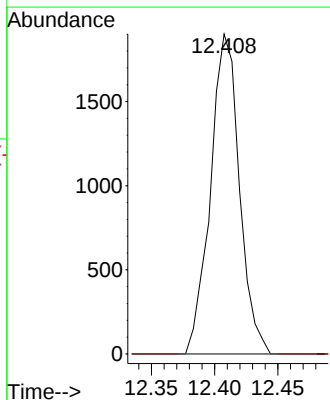
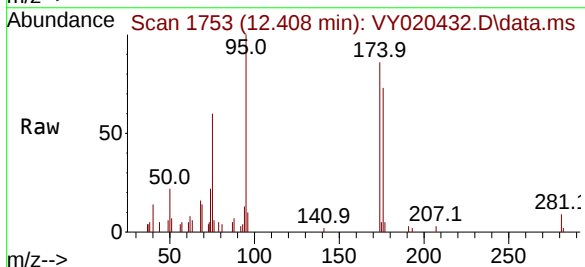
Instrument :
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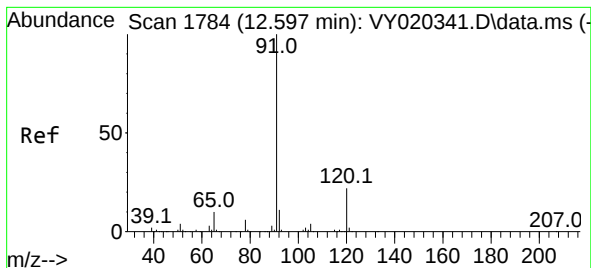
Tgt Ion:152 Resp: 3766
Ion Ratio Lower Upper
152 100
115 56.3 30.0 90.0
150 165.4 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 85.222 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY020432.D
Acq: 25 Nov 2024 16:10

Tgt Ion: 75 Resp: 3025
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#78

n-propylbenzene

Concen: 1.013 ug/l

RT: 12.597 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

Instrument :

MSVOA_Y

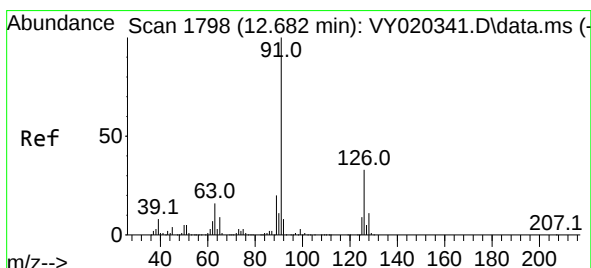
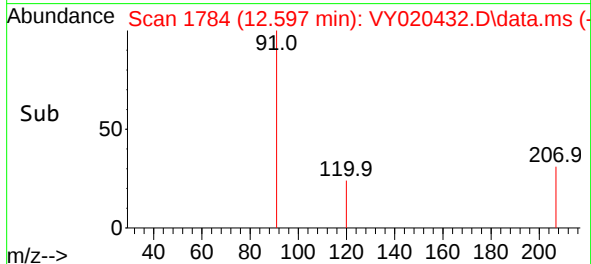
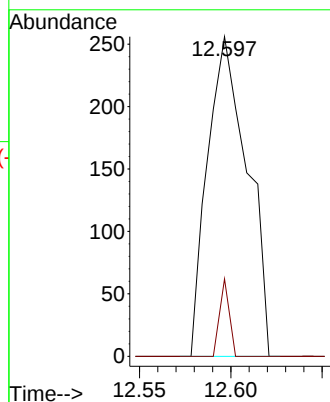
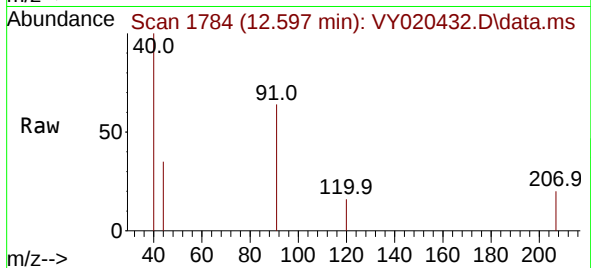
ClientSampleId :

Tgt Ion: 91 Resp: 388

Ion Ratio Lower Upper

91 100

120 5.9 10.9 32.6#



#79

2-Chlorotoluene

Concen: 1.317 ug/l

RT: 12.785 min Scan# 1815

Delta R.T. 0.103 min

Lab File: VY020432.D

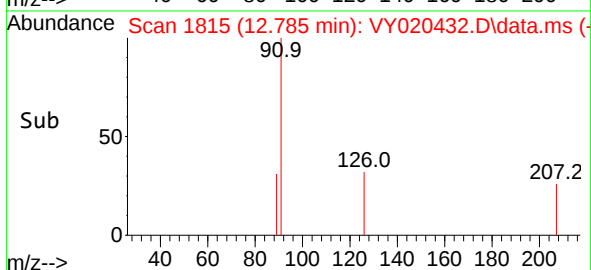
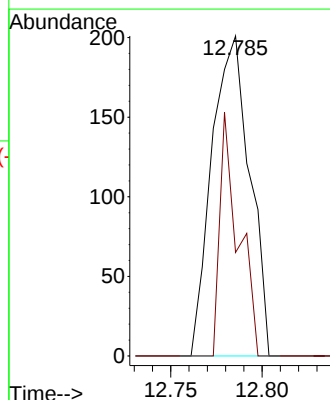
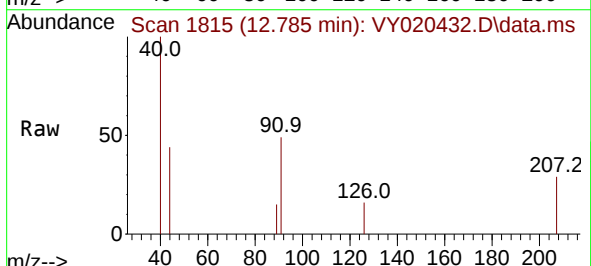
Acq: 25 Nov 2024 16:10

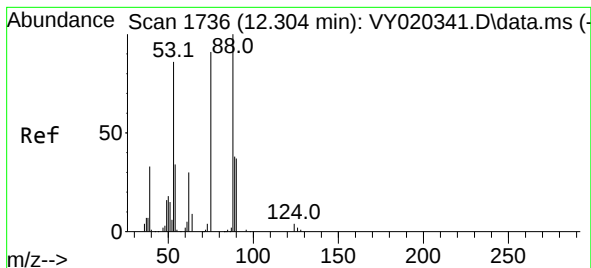
Tgt Ion: 91 Resp: 290

Ion Ratio Lower Upper

91 100

126 37.2 16.4 49.1

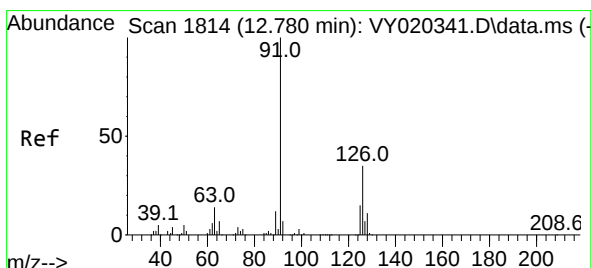
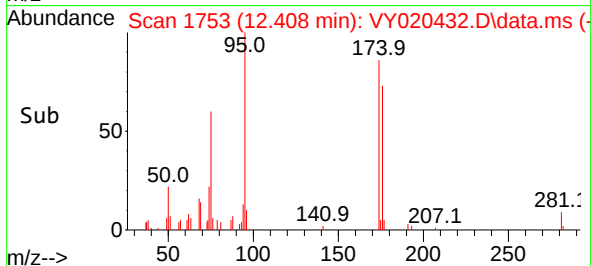
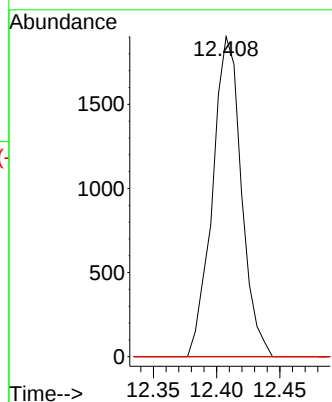
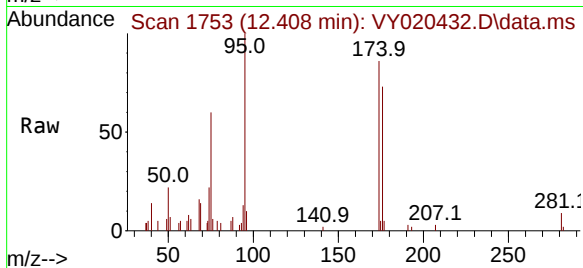




#81
trans-1,4-Dichloro-2-butene
Concen: 166.988 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY020432.D
Acq: 25 Nov 2024 16:10

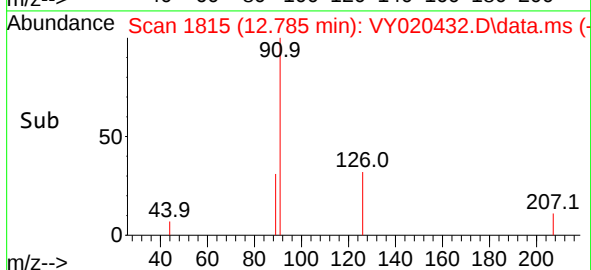
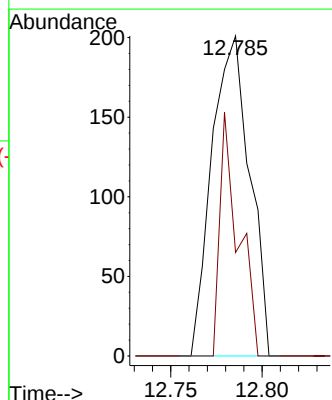
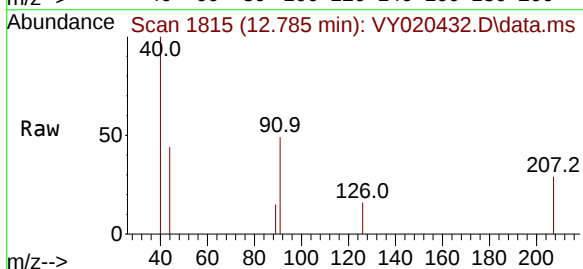
Instrument :
MSVOA_Y
ClientSampleId :

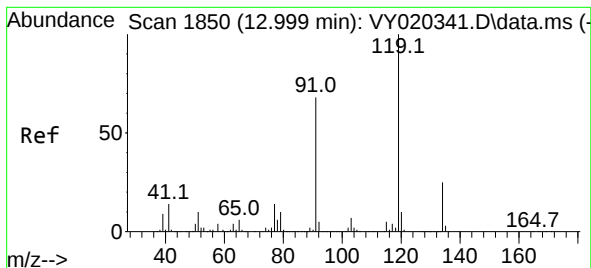
Tgt Ion: 75 Resp: 3025
Ion Ratio Lower Upper
75 100
53 0.0 81.1 121.7#
89 0.0 35.1 52.7#



#82
4-Chlorotoluene
Concen: 1.276 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY020432.D
Acq: 25 Nov 2024 16:10

Tgt Ion: 91 Resp: 290
Ion Ratio Lower Upper
91 100
126 37.2 16.6 49.8





#83

tert-Butylbenzene

Concen: 1.086 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

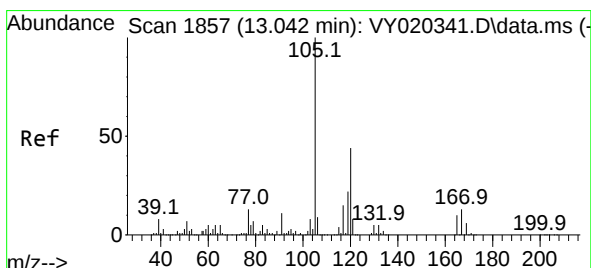
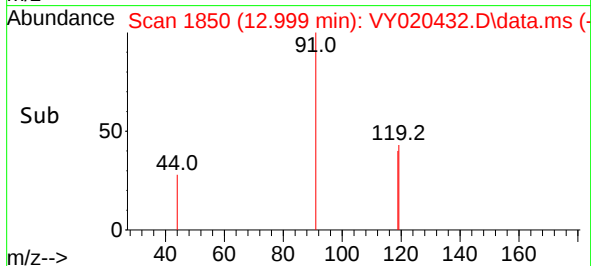
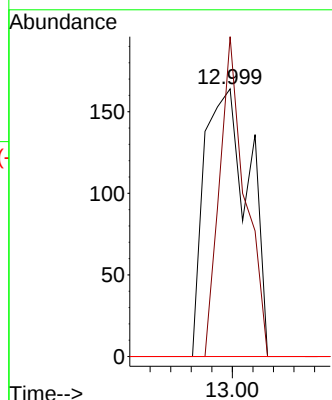
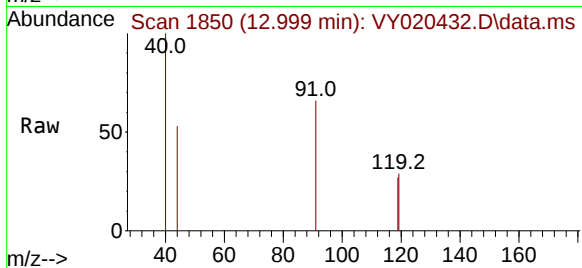
Tgt Ion:119 Resp: 247

Ion Ratio Lower Upper

119 100

91 68.8 33.3 99.9

134 0.0 13.0 38.9#



#84

1,2,4-Trimethylbenzene

Concen: 1.412 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY020432.D

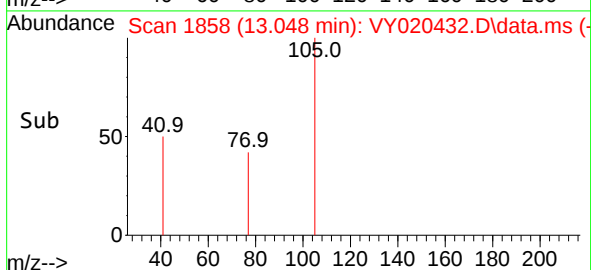
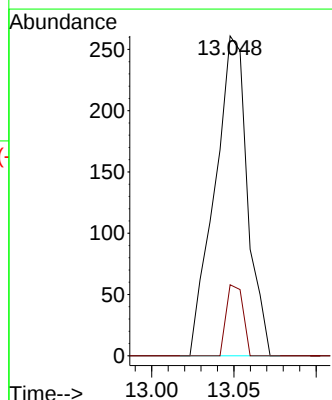
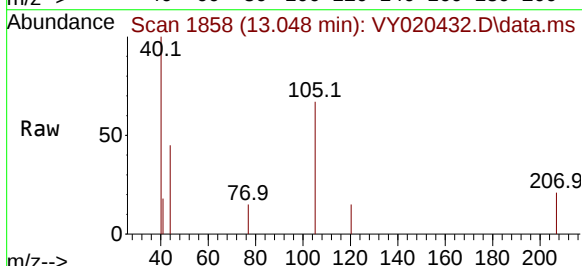
Acq: 25 Nov 2024 16:10

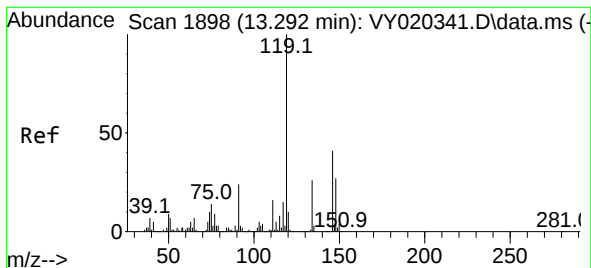
Tgt Ion:105 Resp: 361

Ion Ratio Lower Upper

105 100

120 11.4 22.0 66.0#





#86

p-Isopropyltoluene

Concen: 1.258 ug/l

RT: 13.298 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

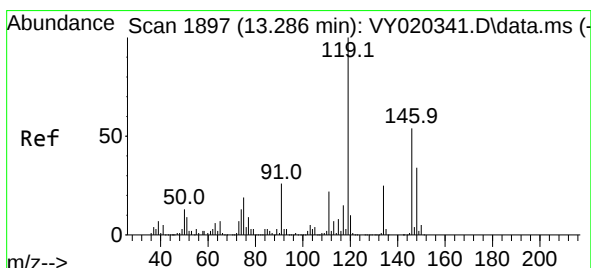
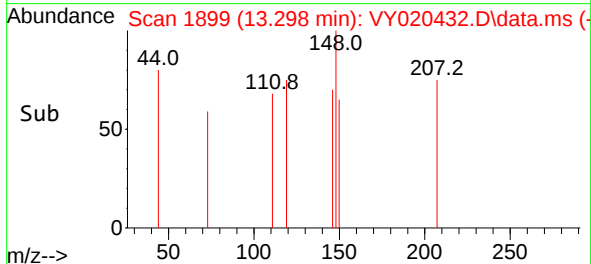
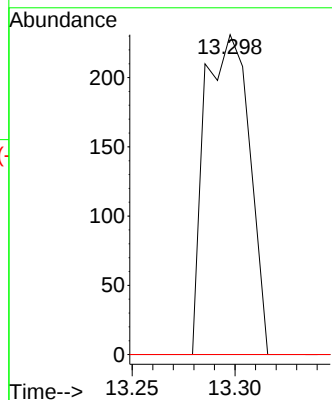
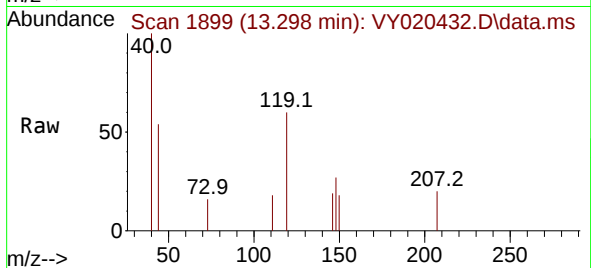
Tgt Ion:119 Resp: 349

Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.4#

91 0.0 12.3 36.8#



#87

1,3-Dichlorobenzene

Concen: 1.221 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

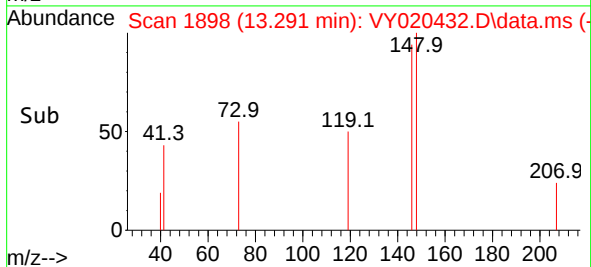
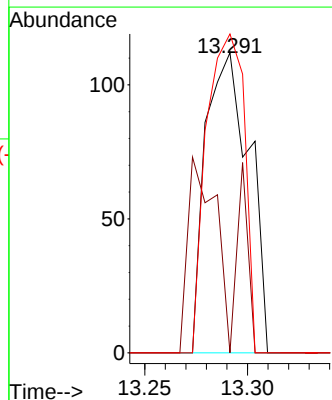
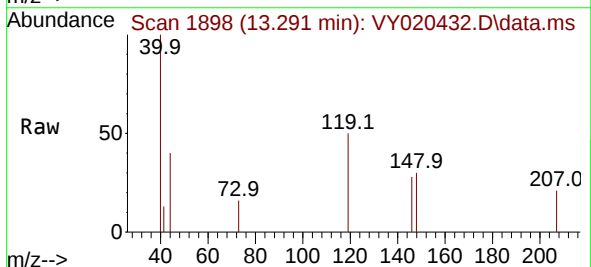
Tgt Ion:146 Resp: 165

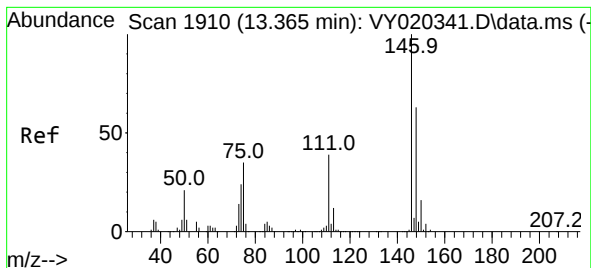
Ion Ratio Lower Upper

146 100

111 41.8 20.5 61.6

148 92.1 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 2.099 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY020432.D

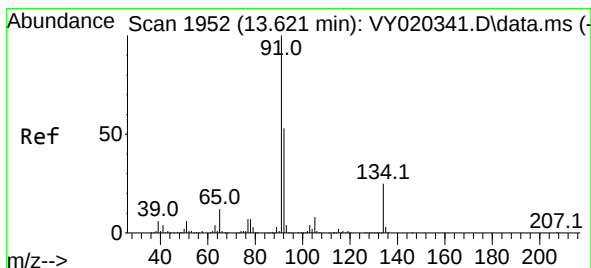
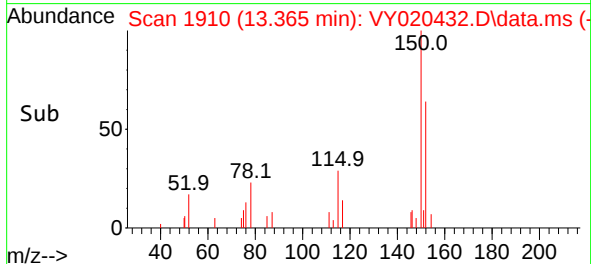
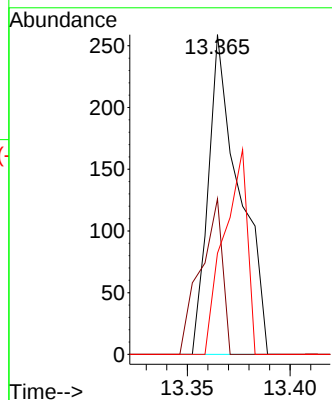
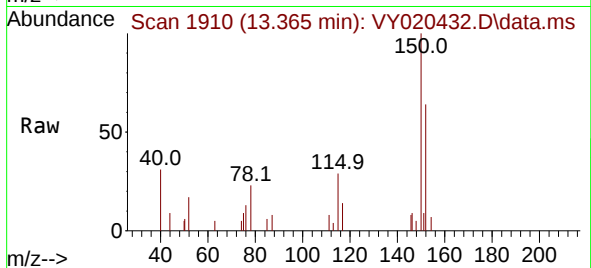
Acq: 25 Nov 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	146	Resp:	271
Ion	Ratio	Lower	Upper
146	100		
111	34.7	19.9	59.6
148	48.3	32.0	96.2



#89

n-Butylbenzene

Concen: 1.043 ug/l

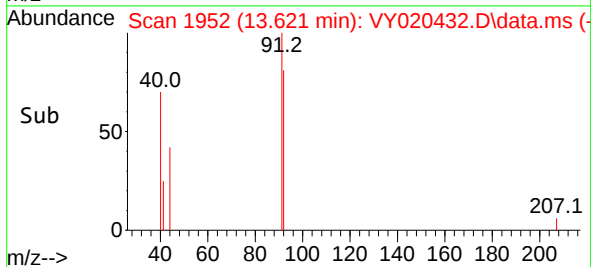
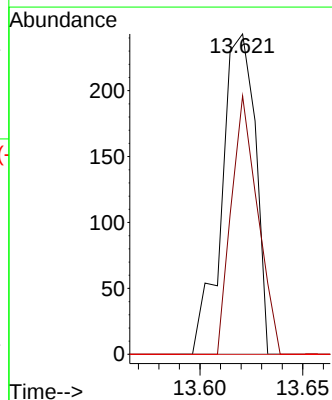
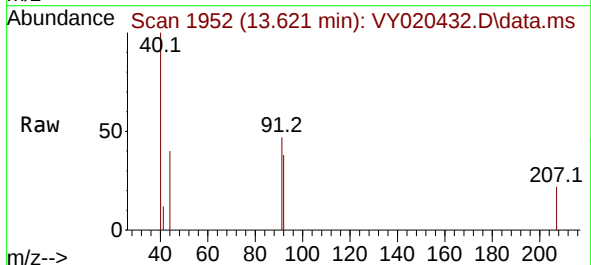
RT: 13.621 min Scan# 1952

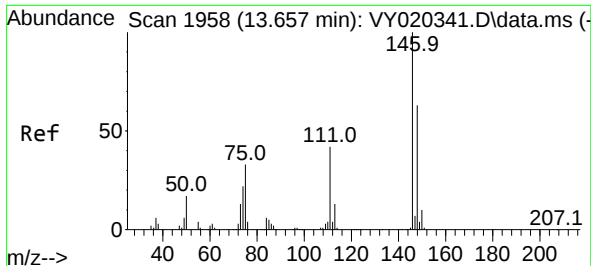
Delta R.T. -0.000 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

Tgt Ion:	91	Resp:	277
Ion	Ratio	Lower	Upper
91	100		
92	63.2	26.5	79.5
134	0.0	12.2	36.4





#91

1,2-Dichlorobenzene

Concen: 1.883 ug/l

RT: 13.663 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VY020432.D

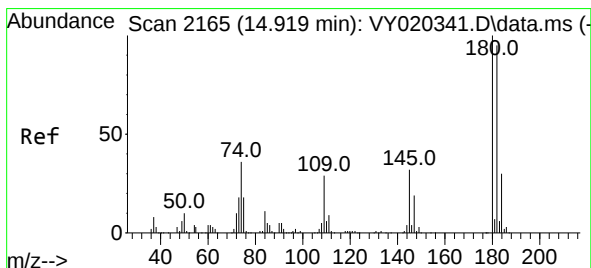
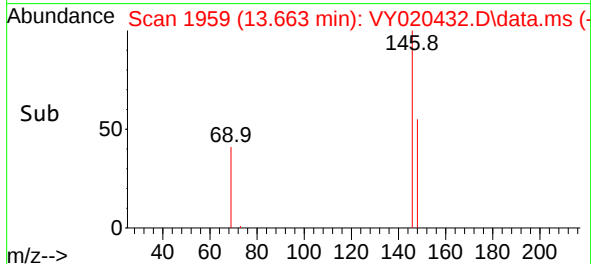
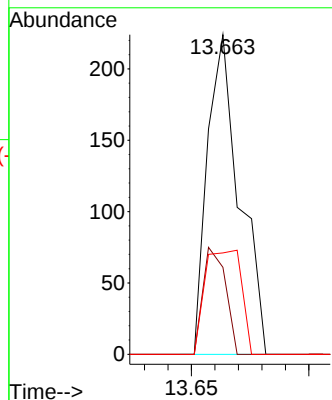
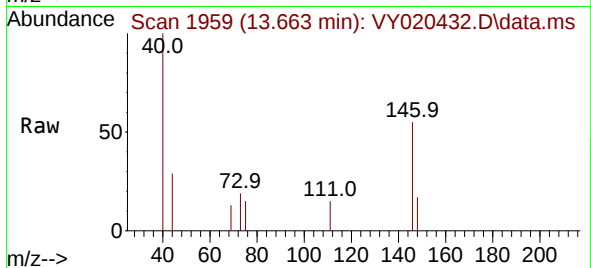
Acq: 25 Nov 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:146	Resp:	212
Ion Ratio	Lower	Upper
146	100	
111	23.6	20.8 62.5
148	36.8	31.8 95.4



#93

1,2,4-Trichlorobenzene

Concen: 1.160 ug/l

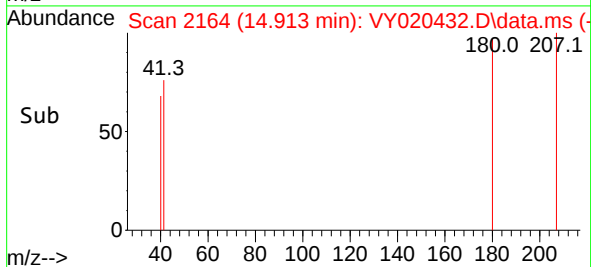
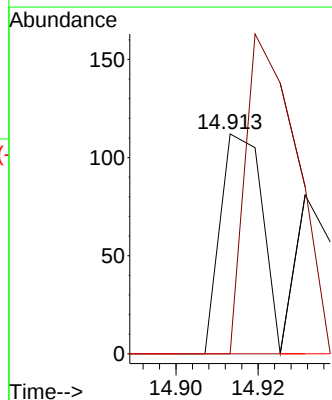
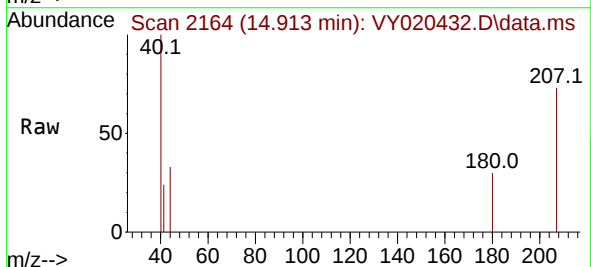
RT: 14.913 min Scan# 2164

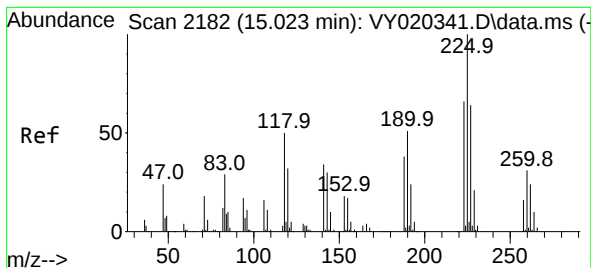
Delta R.T. -0.006 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

Tgt Ion:180	Resp:	79
Ion Ratio	Lower	Upper
180	100	
182	178.5	47.6 142.8#
145	0.0	15.8 47.3#





#94

Hexachlorobutadiene

Concen: 1.973 ug/l

RT: 15.023 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY020432.D

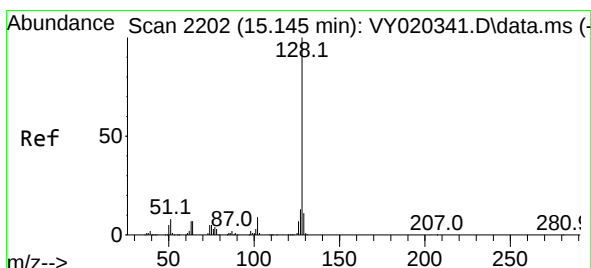
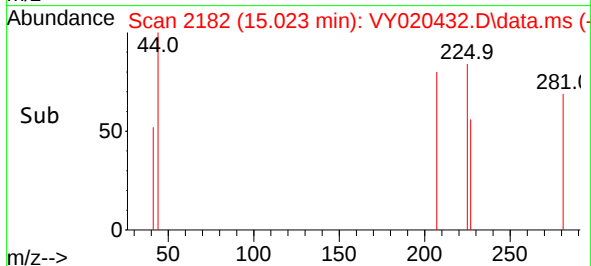
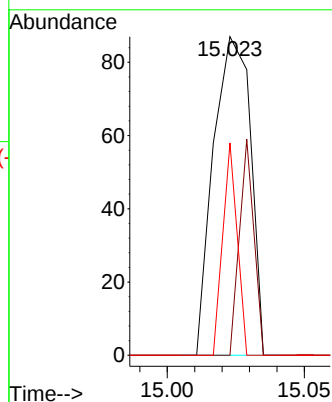
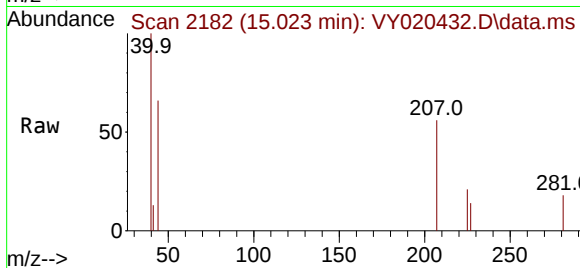
Acq: 25 Nov 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:225	Resp:	82
Ion Ratio	Lower	Upper
225	100	
223	26.8	31.9 95.5#
227	25.6	32.3 96.8#



#95

Naphthalene

Concen: 3.770 ug/l

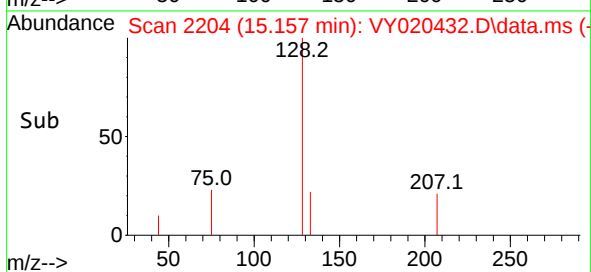
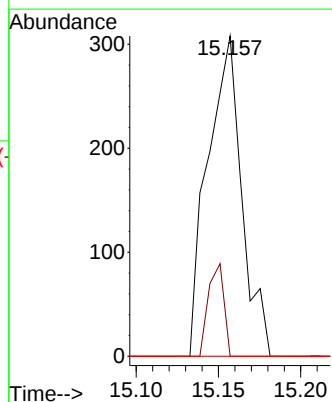
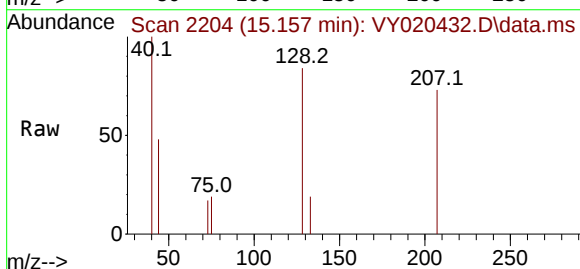
RT: 15.157 min Scan# 2204

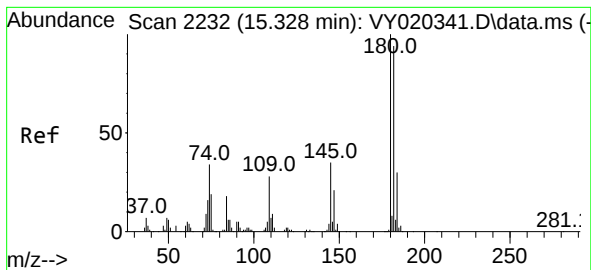
Delta R.T. 0.012 min

Lab File: VY020432.D

Acq: 25 Nov 2024 16:10

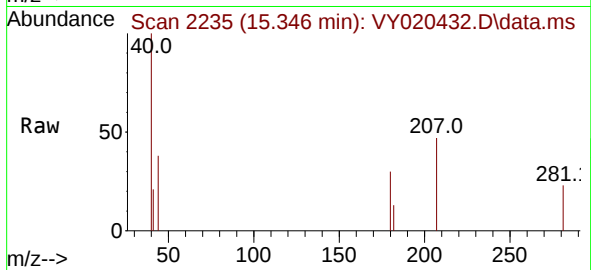
Tgt Ion:128	Resp:	442
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.5 15.7
129	0.0	8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.587 ug/l
 RT: 15.346 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VY020432.D
 Acq: 25 Nov 2024 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 267
 Ion Ratio Lower Upper
 180 100
 182 29.2 47.4 142.3#
 145 0.0 16.9 50.6#

