

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111821\
 Data File : VY006816.D
 Acq On : 18 Nov 2021 18:55
 Operator : SY/MD
 Sample : M4762-05
 Misc : 4.99G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1-3

Quant Time: Nov 19 05:35:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

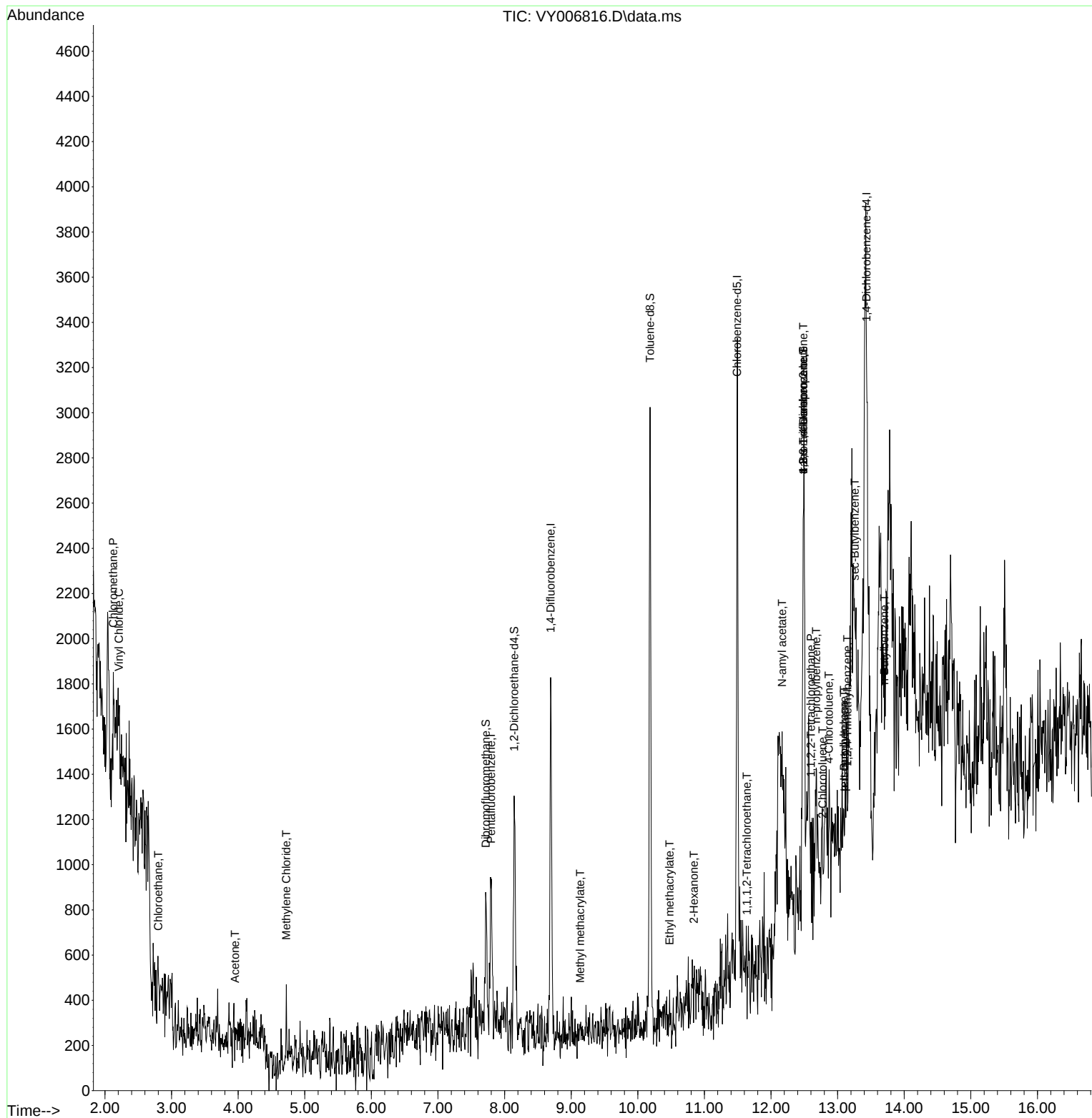
Internal Standards						
1) Pentafluorobenzene	7.795	168	730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	1517	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	1335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	851	88.947	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	177.900%#
35) Dibromofluoromethane	7.716	113	453	48.616	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.240%
50) Toluene-d8	10.185	98	2008	52.076	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.160%
62) 4-Bromofluorobenzene	12.483	95	772	59.388	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	19	1.802	ug/l #	43
4) Vinyl Chloride	2.210	62	33	3.082	ug/l #	44
6) Chloroethane	2.802	64	254	38.775	ug/l #	45
16) Acetone	3.954	43	20	6.880	ug/l #	46
20) Methylene Chloride	4.722	84	75	5.604	ug/l #	49
48) Methyl methacrylate	9.136	41	20	2.041	ug/l #	16
56) Ethyl methacrylate	10.477	69	21	1.622	ug/l #	18
59) 2-Hexanone	10.843	43	31	27.325	ug/l #	28
66) 1,1,1,2-Tetrachloroethane	11.636	131	20	1.969	ug/l #	9
74) N-amyl acetate	12.166	43	52	10.574	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.599	83	27	8.052	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	226	87.340	ug/l #	100
78) n-propylbenzene	12.678	91	50	2.263	ug/l #	53
79) 2-Chlorotoluene	12.776	91	24	1.985	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	226	173.062	ug/l #	7
82) 4-Chlorotoluene	12.867	91	98	7.754	ug/l #	41
83) tert-Butylbenzene	13.099	119	41	3.178	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.147	105	23	1.551	ug/l #	31
85) sec-Butylbenzene	13.257	105	42	2.186	ug/l #	56
86) p-Isopropyltoluene	13.099	119	41	2.521	ug/l #	48
89) n-Butylbenzene	13.702	91	66	4.300	ug/l #	33

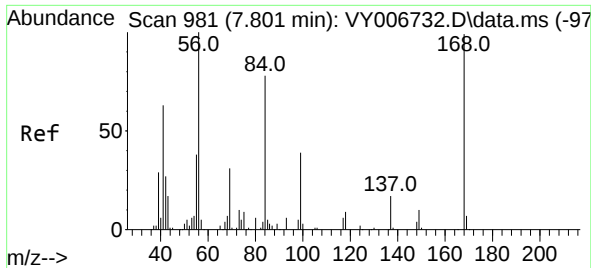
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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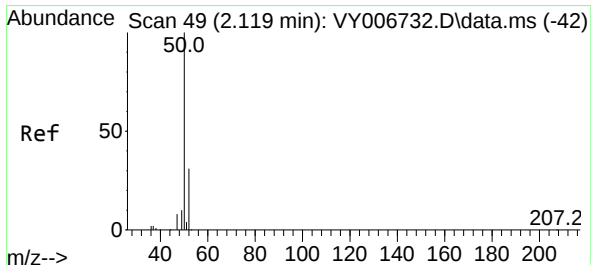
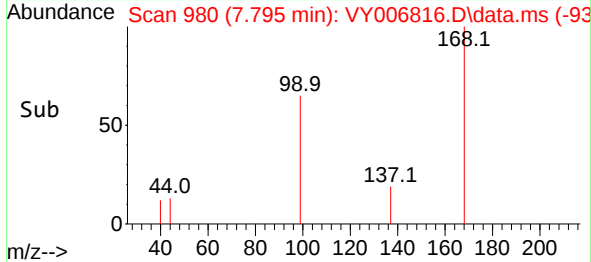
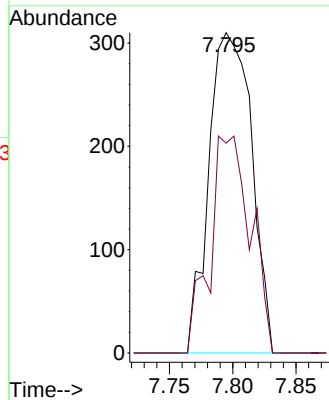
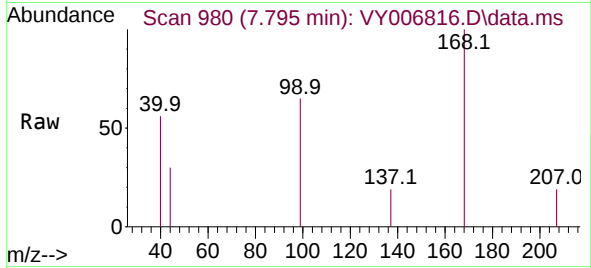




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

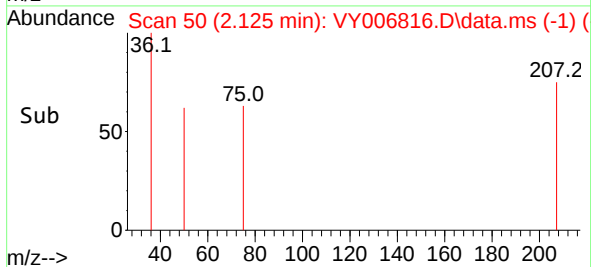
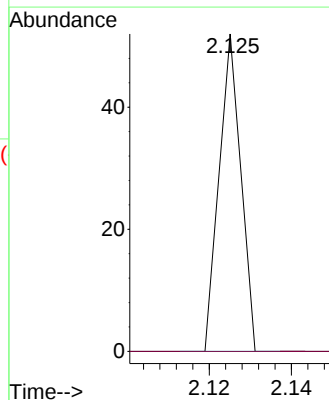
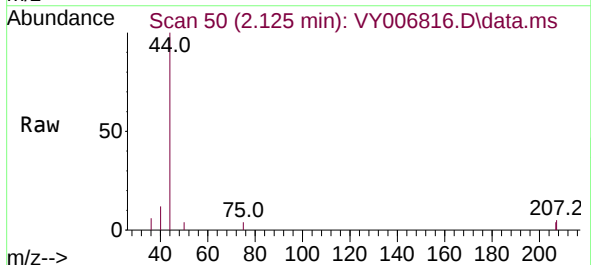
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-3

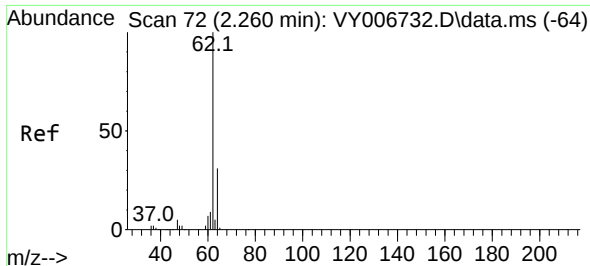
Tgt Ion:168 Resp: 730
Ion Ratio Lower Upper
168 100
99 65.5 44.8 67.2



#3
Chloromethane
Concen: 1.802 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

Tgt Ion: 50 Resp: 19
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

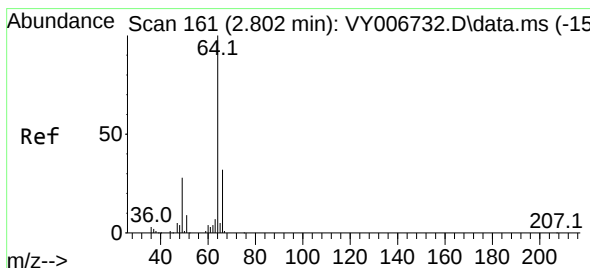
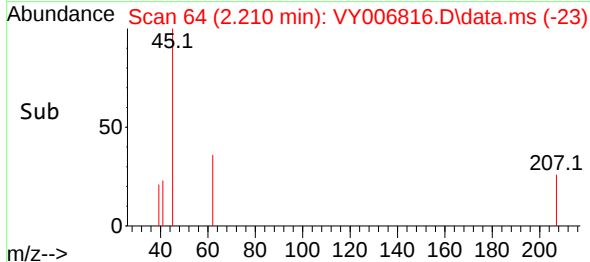
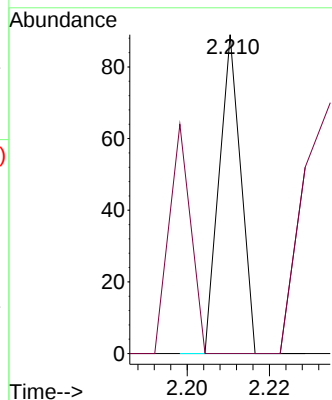
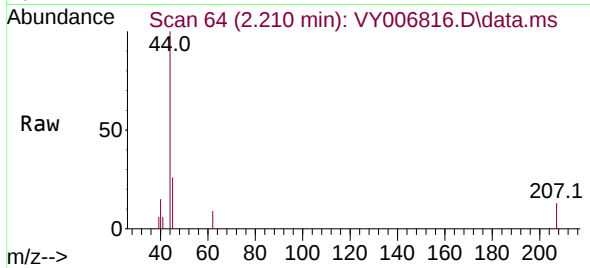




#4
 Vinyl Chloride
 Concen: 3.082 ug/l
 RT: 2.210 min Scan# 64
 Delta R.T. -0.049 min
 Lab File: VY006816.D
 Acq: 18 Nov 2021 18:55

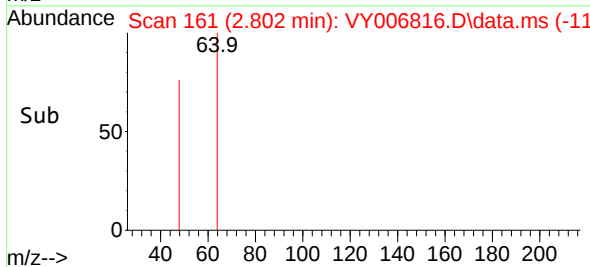
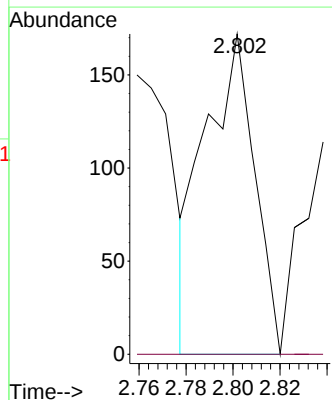
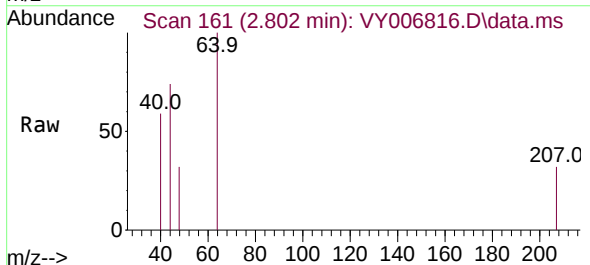
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1-3

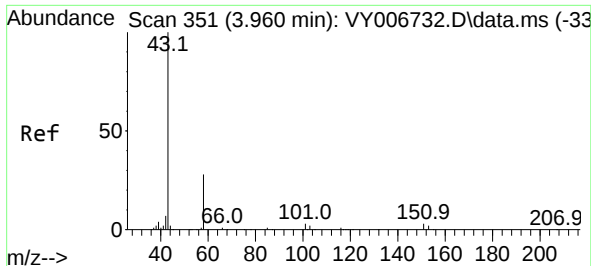
Tgt Ion: 62 Resp: 33
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#6
 Chloroethane
 Concen: 38.775 ug/l
 RT: 2.802 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VY006816.D
 Acq: 18 Nov 2021 18:55

Tgt Ion: 64 Resp: 254
 Ion Ratio Lower Upper
 64 100
 66 0.0 23.8 35.6#

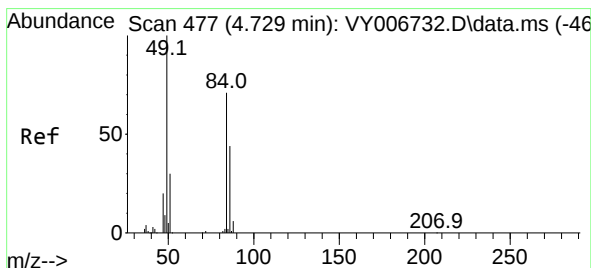
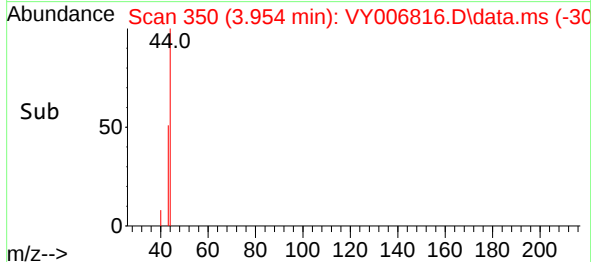
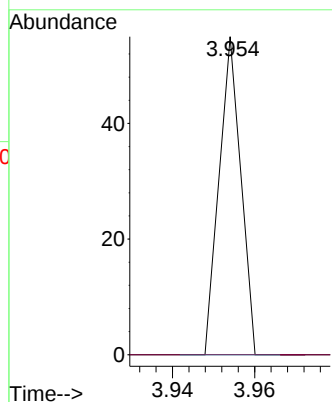
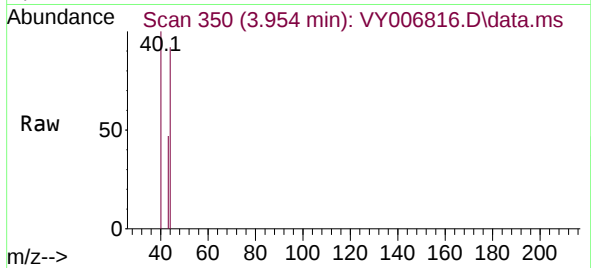




#16
Acetone
Concen: 6.880 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

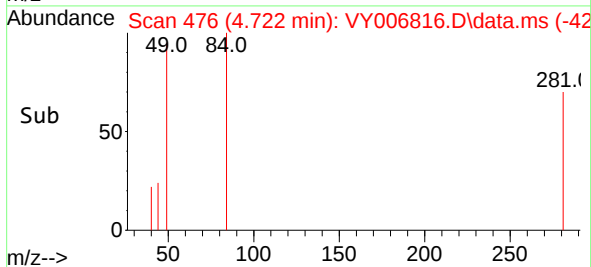
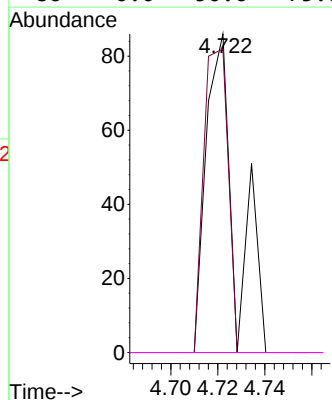
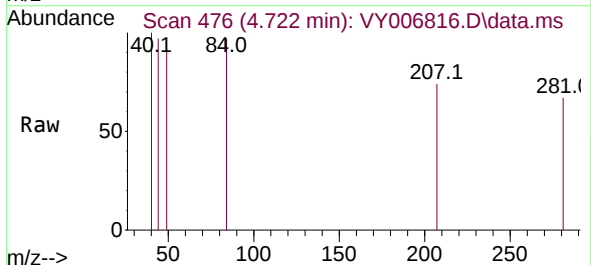
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-3

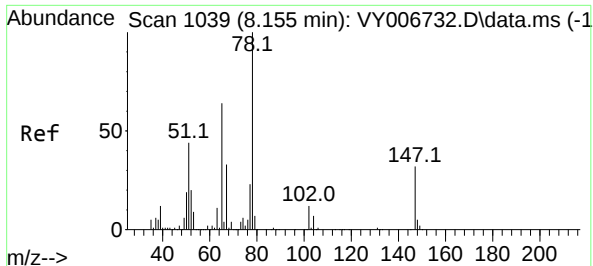
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: 5.604 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

Tgt Ion: 84 Resp: 75
Ion Ratio Lower Upper
84 100
49 95.3 107.8 161.8#
51 0.0 32.8 49.2#
86 0.0 50.6 75.8#





#33

1,2-Dichloroethane-d4

Concen: 88.947 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.013 min

Lab File: VY006816.D

Acq: 18 Nov 2021 18:55

Instrument :

MSVOA_Y

ClientSampleId :

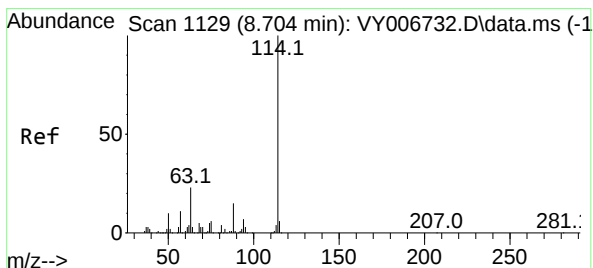
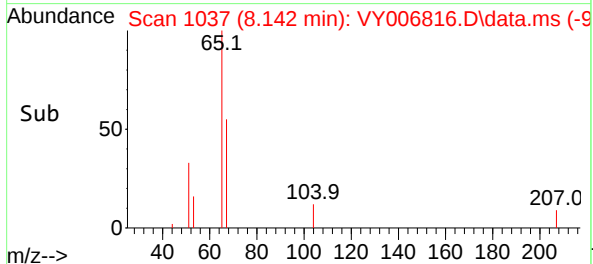
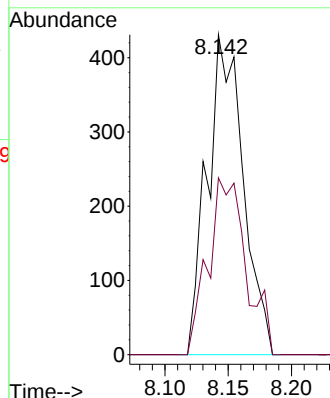
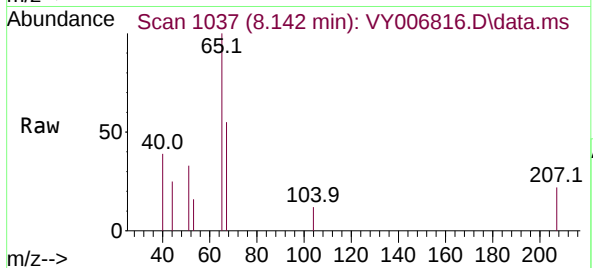
COMP-1-3

Tgt Ion: 65 Resp: 851

Ion Ratio Lower Upper

65 100

67 58.3 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.013 min

Lab File: VY006816.D

Acq: 18 Nov 2021 18:55

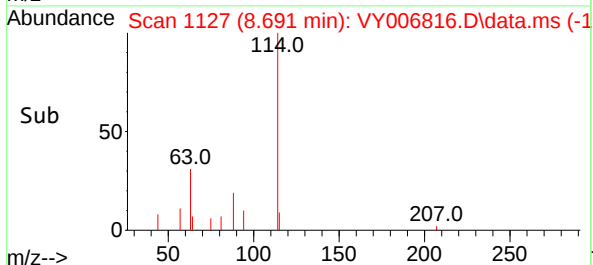
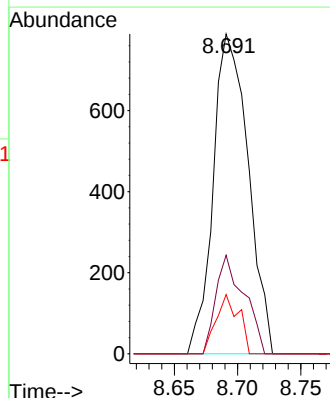
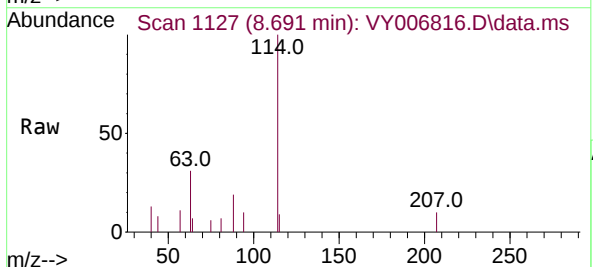
Tgt Ion: 114 Resp: 1517

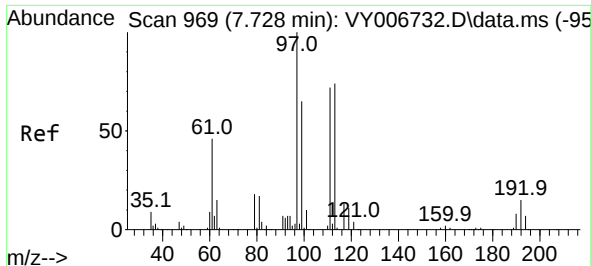
Ion Ratio Lower Upper

114 100

63 30.8 0.0 45.0

88 18.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.616 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.013 min

Lab File: VY006816.D

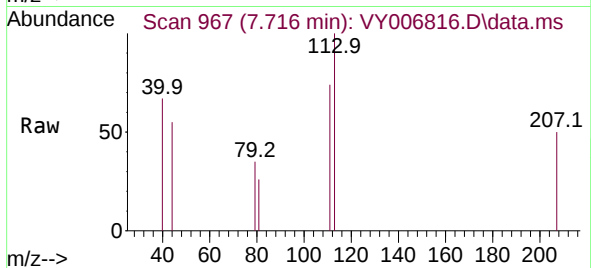
Acq: 18 Nov 2021 18:55

Instrument :

MSVOA_Y

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COMP-1-3



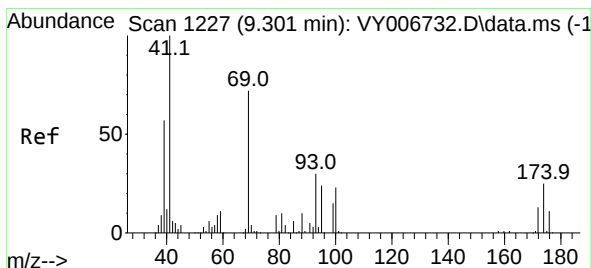
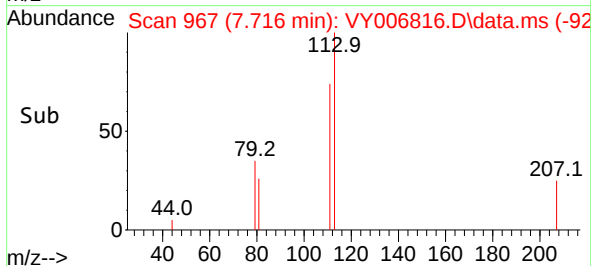
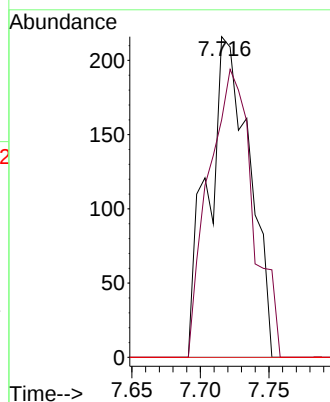
Tgt Ion:113 Resp: 453

Ion Ratio Lower Upper

113 100

111 96.2 82.3 123.5

192 0.0 17.4 26.2#



#48

Methyl methacrylate

Concen: 2.041 ug/l

RT: 9.136 min Scan# 1200

Delta R.T. -0.165 min

Lab File: VY006816.D

Acq: 18 Nov 2021 18:55

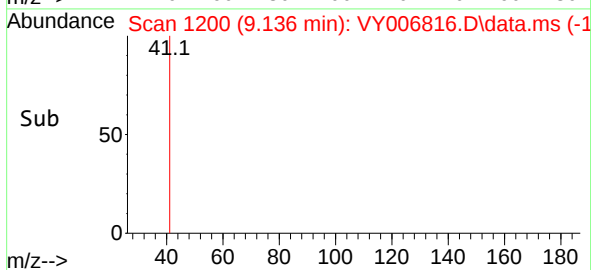
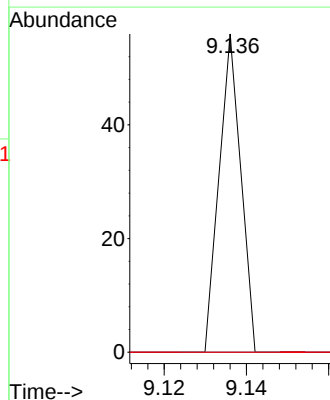
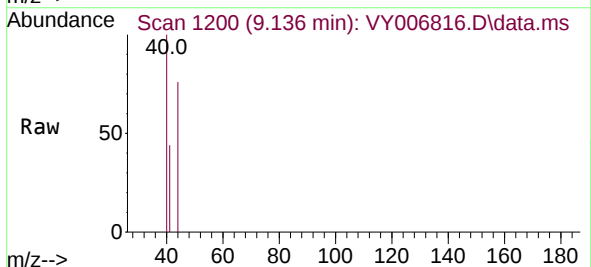
Tgt Ion: 41 Resp: 20

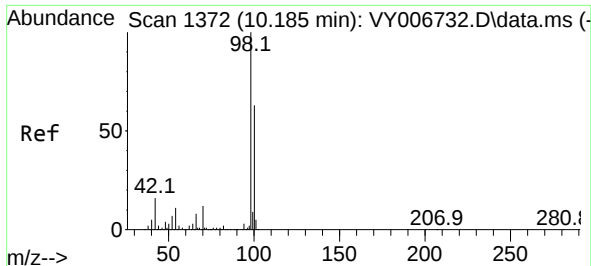
Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

39 0.0 48.2 72.2#

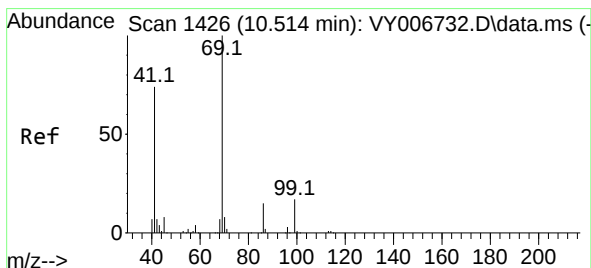
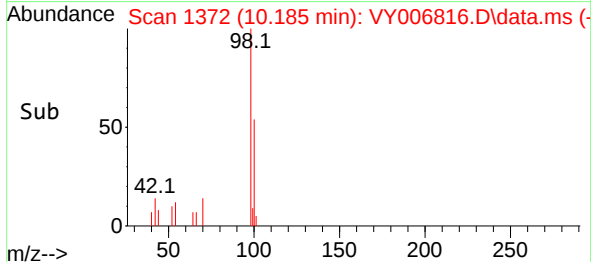
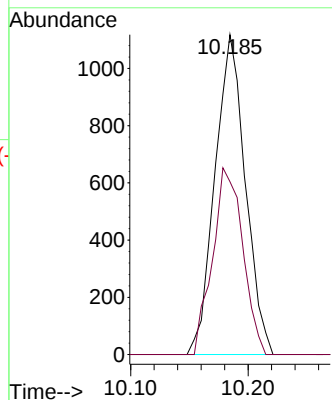
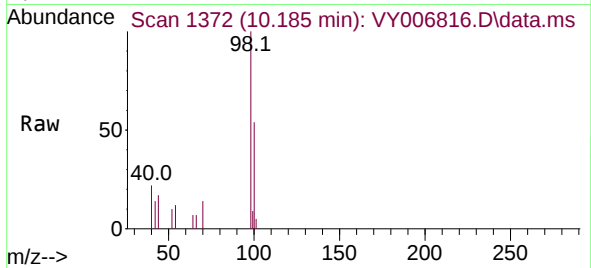




#50
Toluene-d8
Concen: 52.076 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

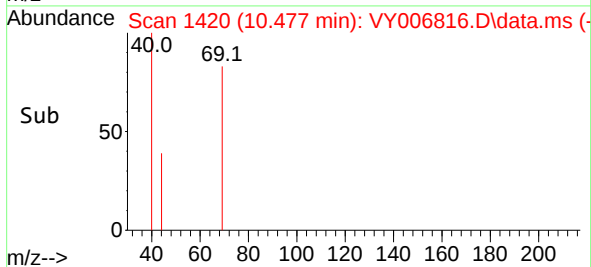
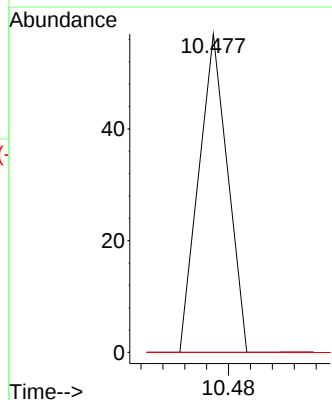
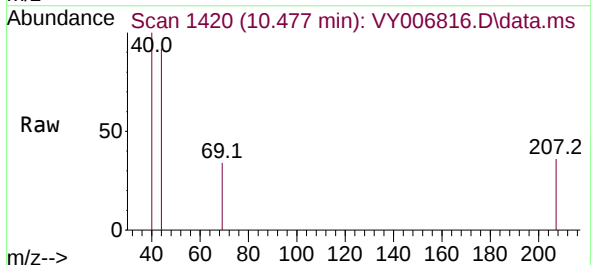
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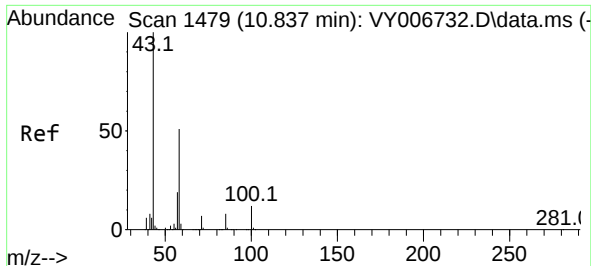
Tgt Ion: 98 Resp: 2008
Ion Ratio Lower Upper
98 100
100 57.9 50.9 76.3



#56
Ethyl methacrylate
Concen: 1.622 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.037 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

Tgt Ion: 69 Resp: 21
Ion Ratio Lower Upper
69 100
41 0.0 62.9 94.3#
39 0.0 35.7 53.5#

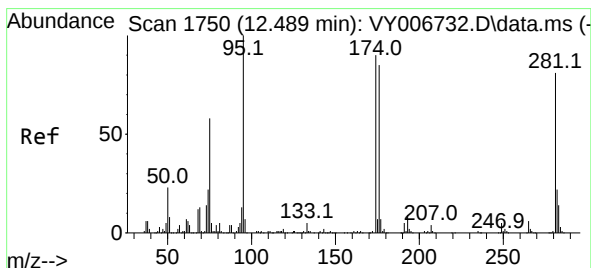
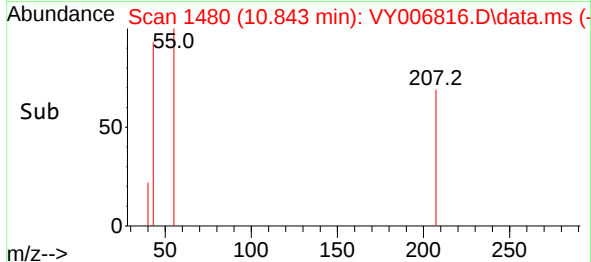
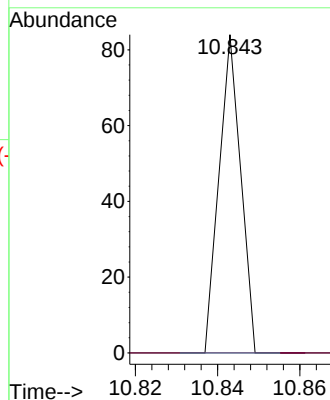
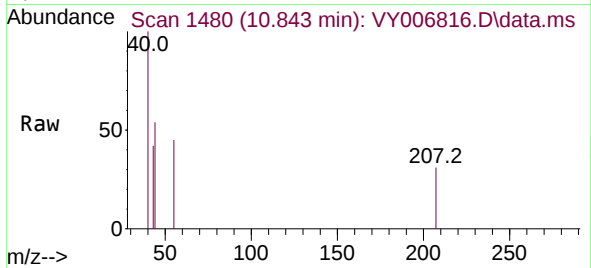




#59
2-Hexanone
Concen: 27.325 ug/l
RT: 10.843 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

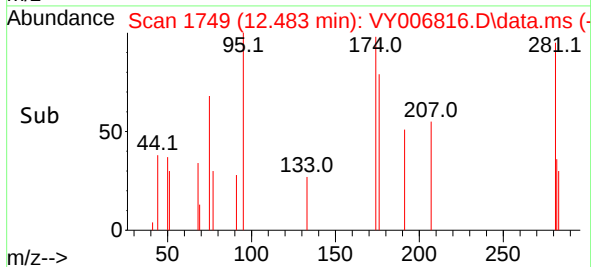
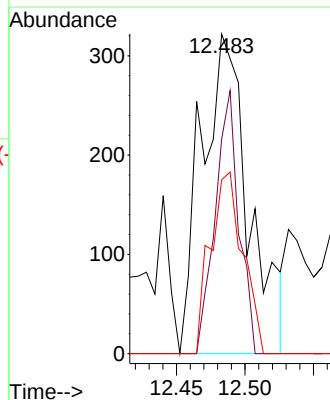
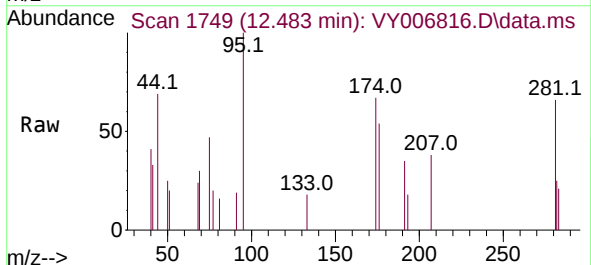
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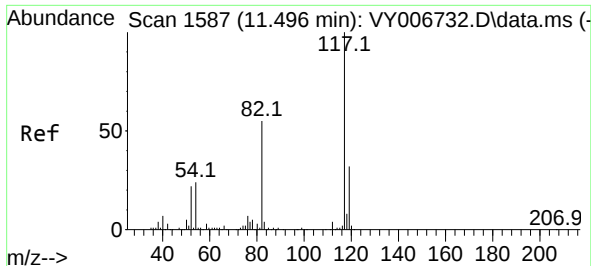
Tgt Ion: 43 Resp: 31
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.6#



#62
4-Bromofluorobenzene
Concen: 59.388 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

Tgt Ion: 95 Resp: 772
Ion Ratio Lower Upper
95 100
174 41.1 0.0 177.0
176 39.0 0.0 169.4

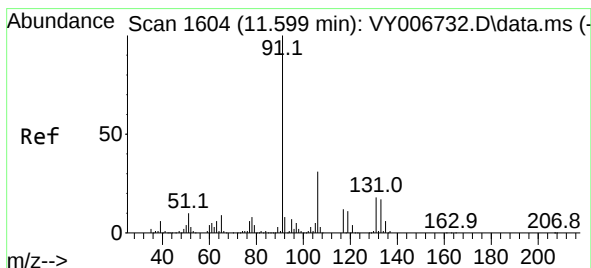
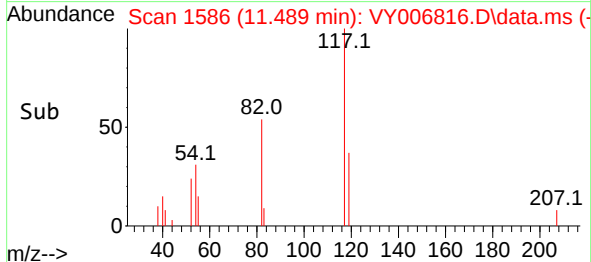
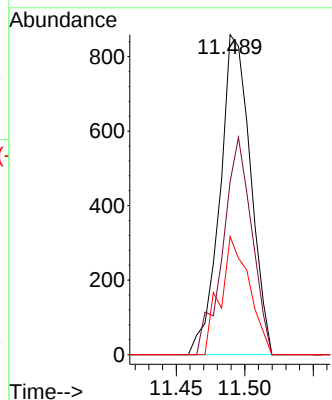
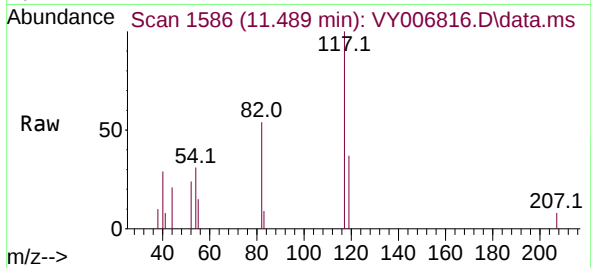




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

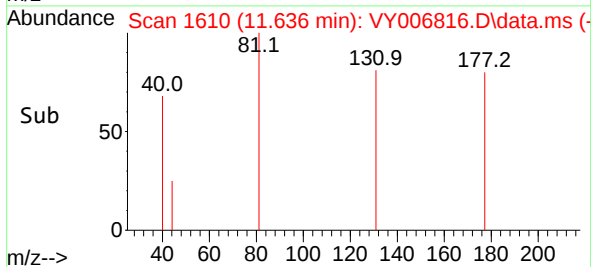
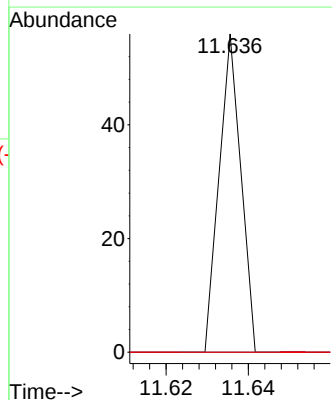
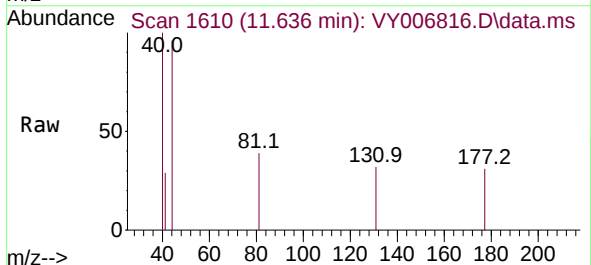
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-3

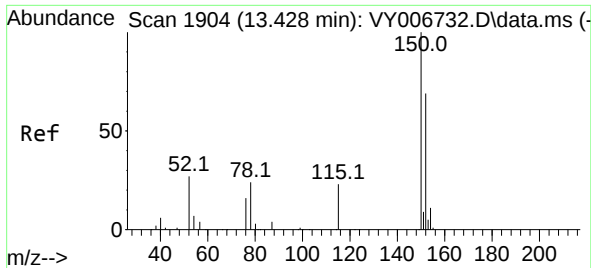
Tgt Ion:	117	Resp:	1335
Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.7	68.5
119	36.9	25.5	38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 1.969 ug/l
RT: 11.636 min Scan# 1610
Delta R.T. 0.036 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

Tgt Ion:	131	Resp:	20
Ion	Ratio	Lower	Upper
131	100		
133	0.0	47.8	143.3#
119	0.0	30.8	92.4#

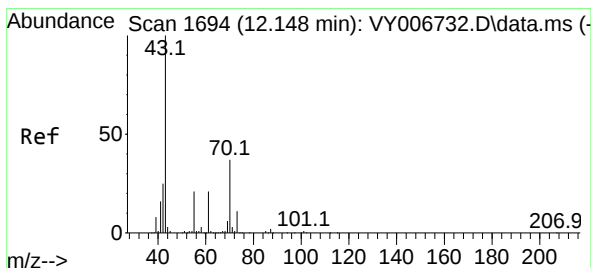
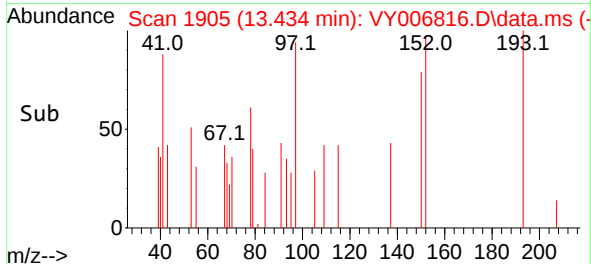
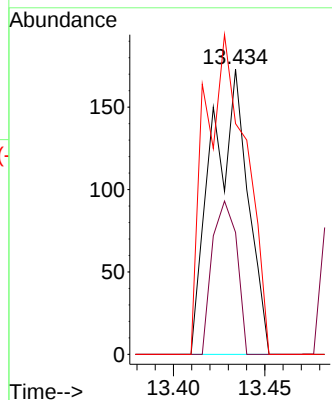
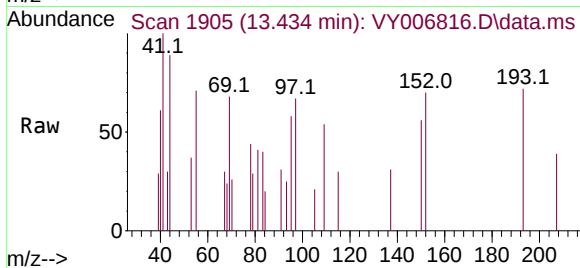




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

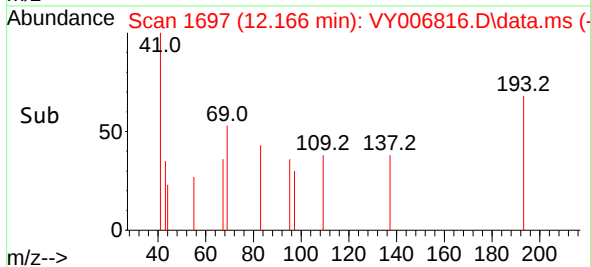
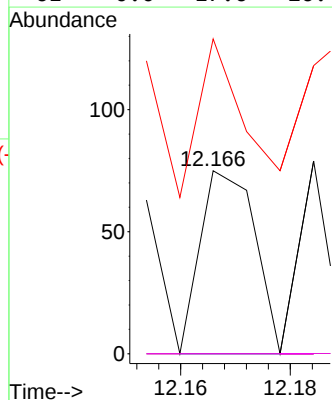
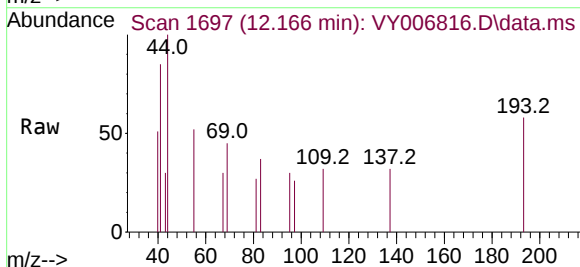
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-3

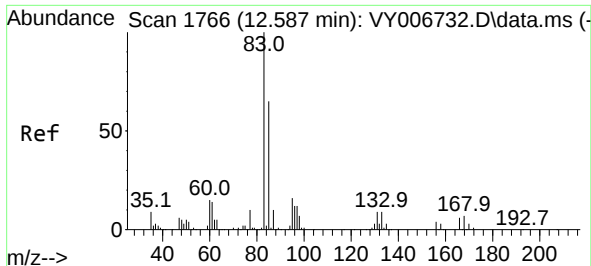
Tgt Ion:152 Resp: 238
Ion Ratio Lower Upper
152 100
115 36.6 28.5 85.5
150 127.7 0.0 348.2



#74
N-ethyl acetate
Concen: 10.574 ug/l
RT: 12.166 min Scan# 1697
Delta R.T. 0.018 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

Tgt Ion: 43 Resp: 52
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.0#
55 0.0 18.1 27.1#
61 0.0 17.6 26.4#

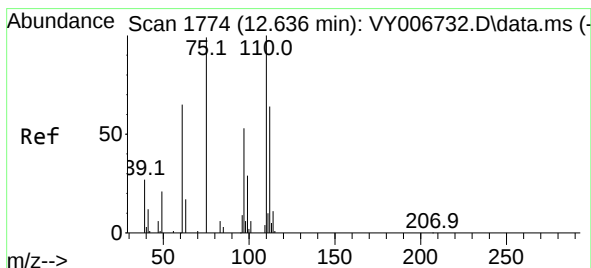
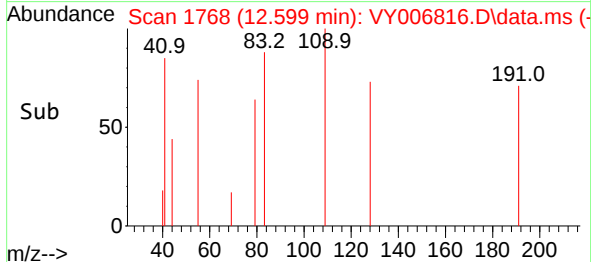
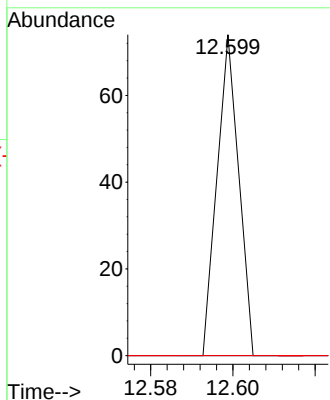
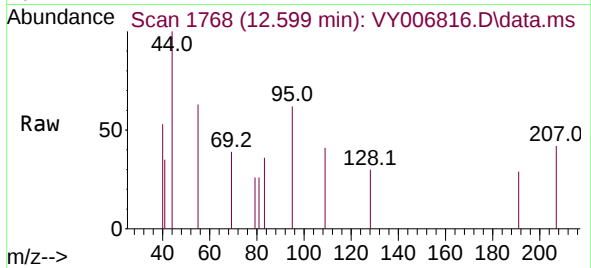




#75
 1,1,2,2-Tetrachloroethane
 Concen: 8.052 ug/l
 RT: 12.599 min Scan# 1768
 Delta R.T. 0.012 min
 Lab File: VY006816.D
 Acq: 18 Nov 2021 18:55

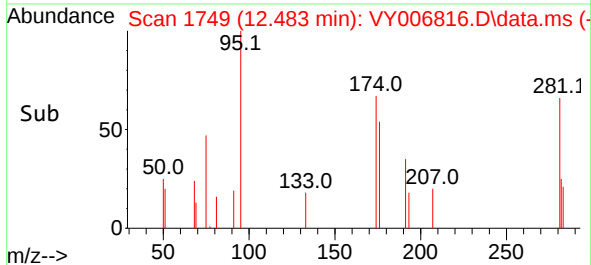
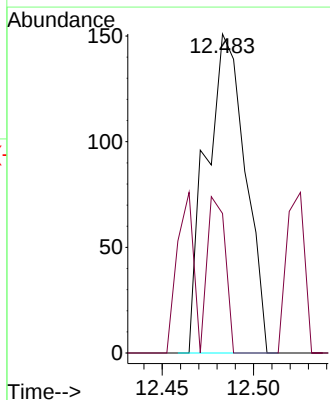
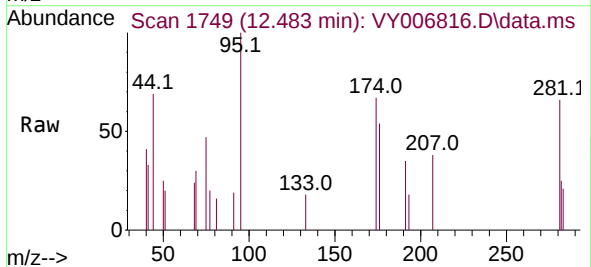
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1-3

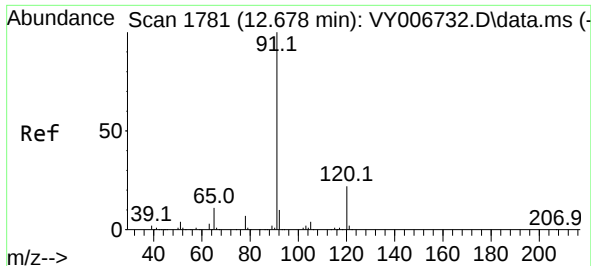
Tgt Ion: 83 Resp: 27
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.4#
 85 0.0 31.9 95.9#



#76
 1,2,3-Trichloropropane
 Concen: 87.340 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY006816.D
 Acq: 18 Nov 2021 18:55

Tgt Ion: 75 Resp: 226
 Ion Ratio Lower Upper
 75 100
 77 22.6 0.0 0.0#

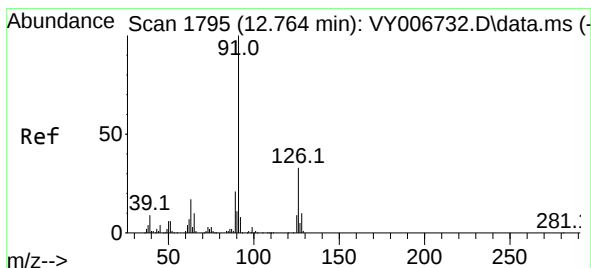
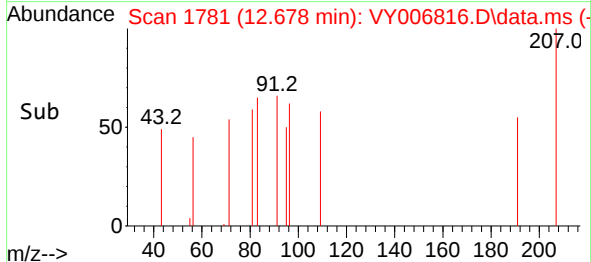
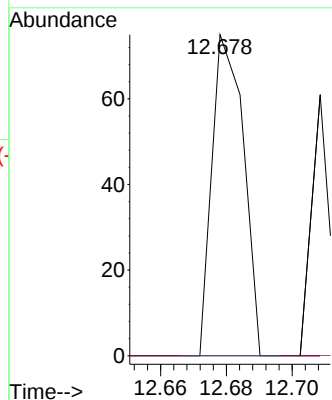
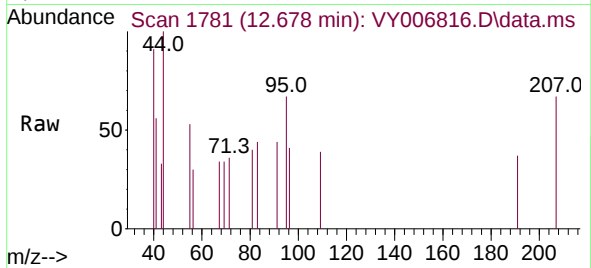




#78
n-propylbenzene
Concen: 2.263 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

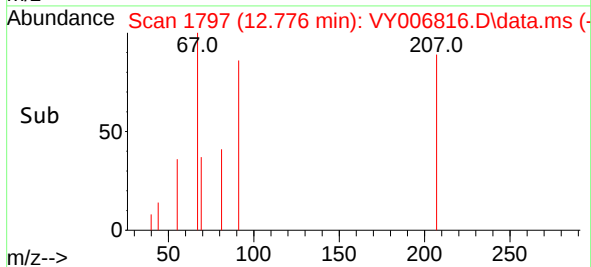
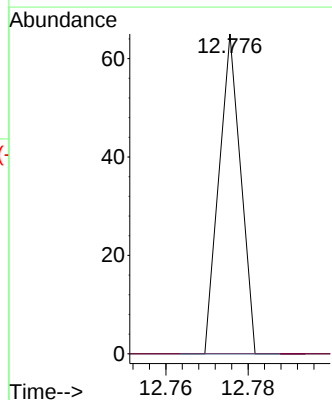
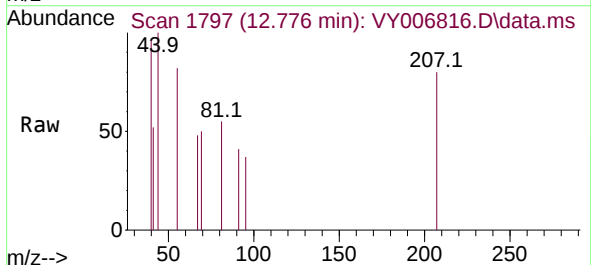
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-3

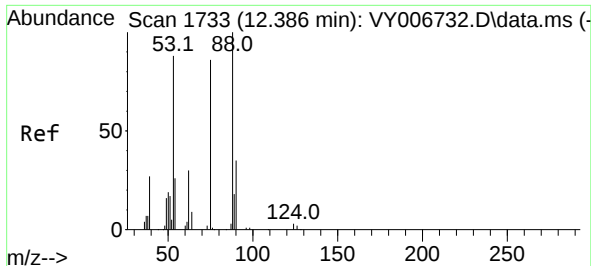
Tgt Ion: 91 Resp: 50
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.8#



#79
2-Chlorotoluene
Concen: 1.985 ug/l
RT: 12.776 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

Tgt Ion: 91 Resp: 24
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

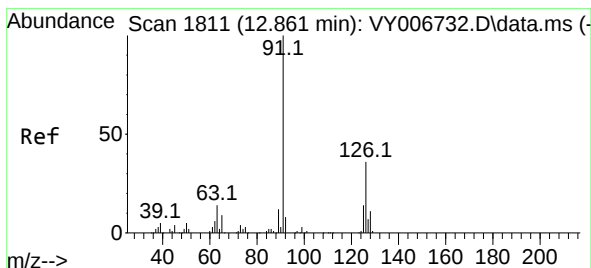
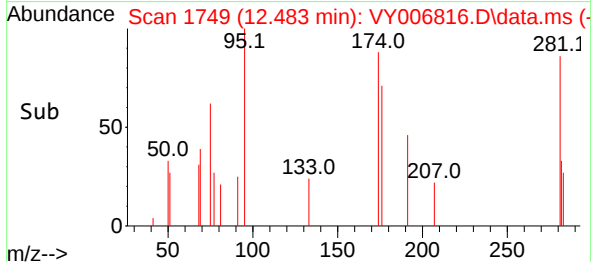
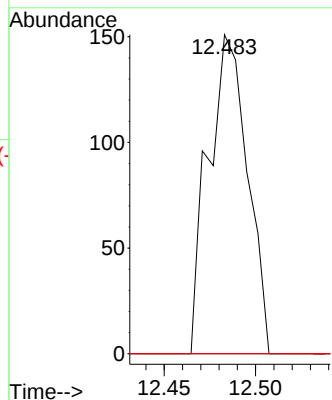
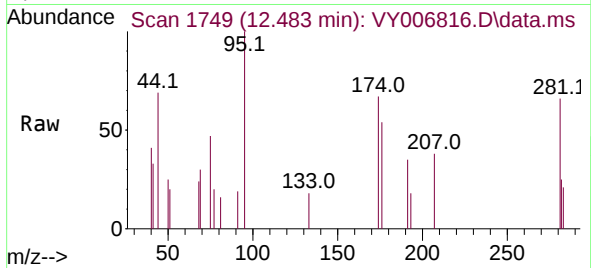




#81
trans-1,4-Dichloro-2-butene
Concen: 173.062 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

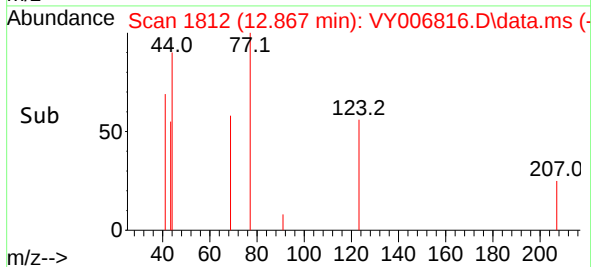
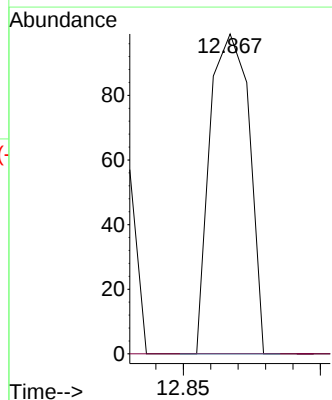
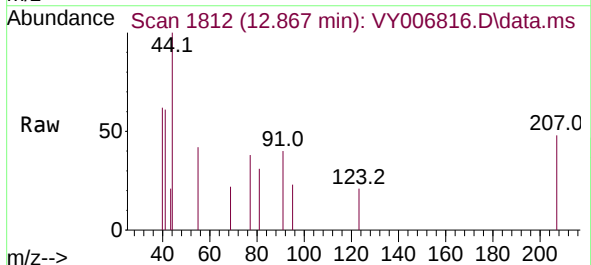
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-3

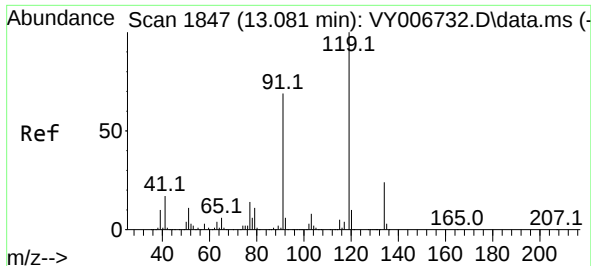
Tgt Ion: 75 Resp: 226
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#82
4-Chlorotoluene
Concen: 7.754 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

Tgt Ion: 91 Resp: 98
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.4#

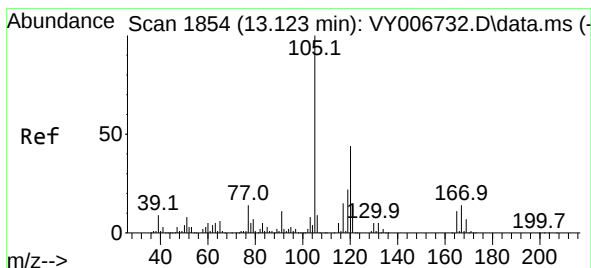
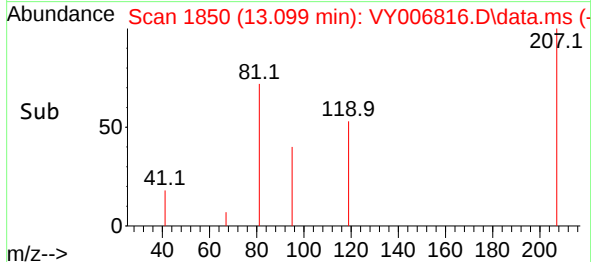
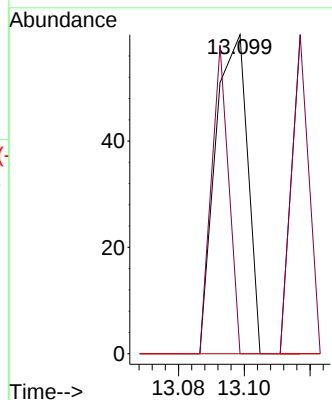
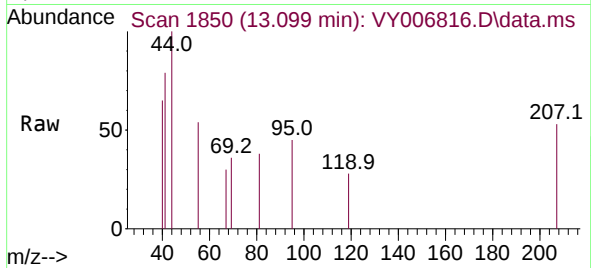




#83
tert-Butylbenzene
Concen: 3.178 ug/l
RT: 13.099 min Scan# 1847
Delta R.T. 0.018 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

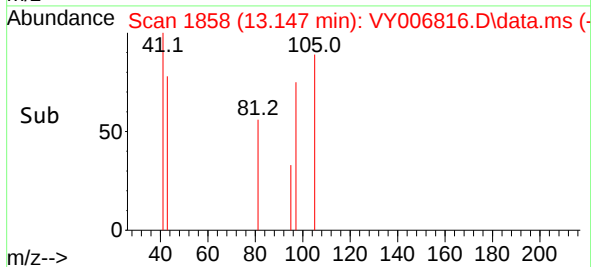
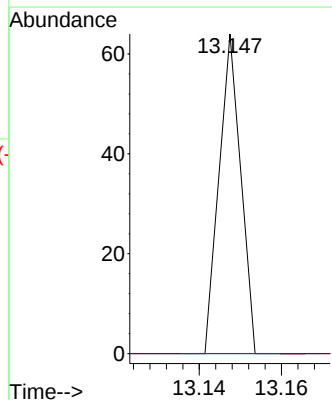
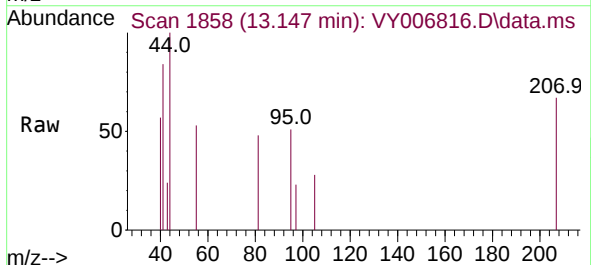
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-3

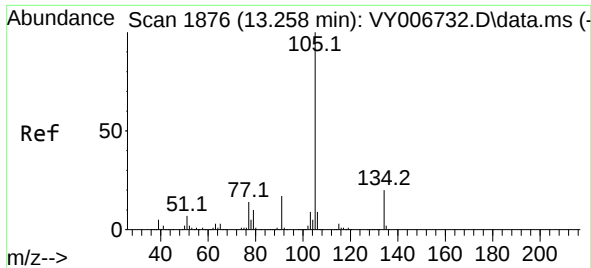
Tgt Ion:119 Resp: 41
Ion Ratio Lower Upper
119 100
91 51.2 34.8 104.5
134 0.0 13.0 38.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.551 ug/l
RT: 13.147 min Scan# 1858
Delta R.T. 0.024 min
Lab File: VY006816.D
Acq: 18 Nov 2021 18:55

Tgt Ion:105 Resp: 23
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.8#

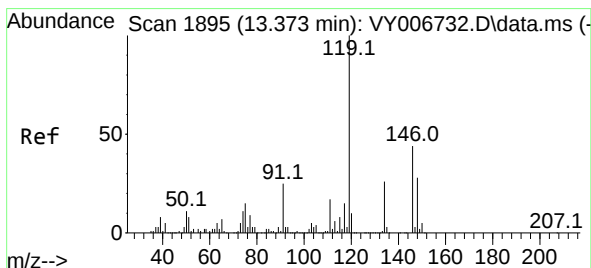
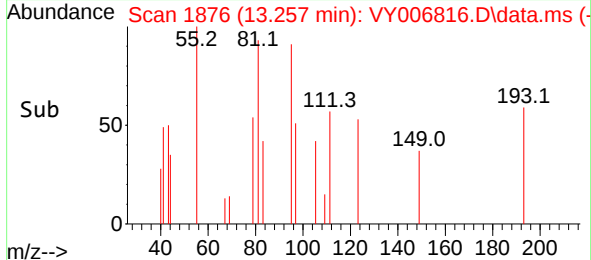
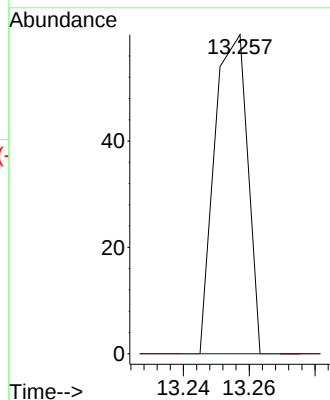
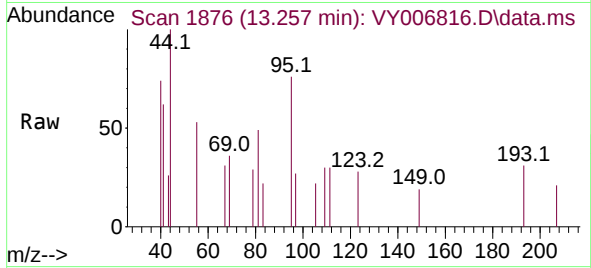




#85
 sec-Butylbenzene
 Concen: 2.186 ug/l
 RT: 13.257 min Scan# 1850
 Delta R.T. -0.000 min
 Lab File: VY006816.D
 Acq: 18 Nov 2021 18:55

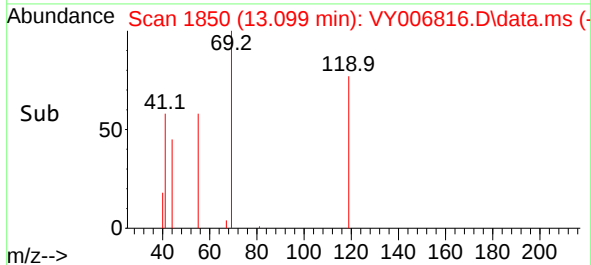
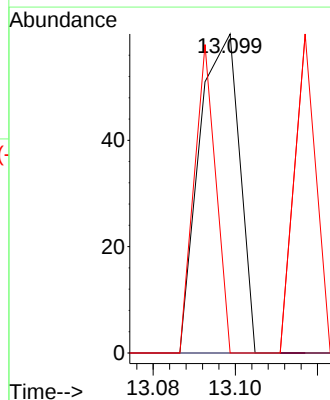
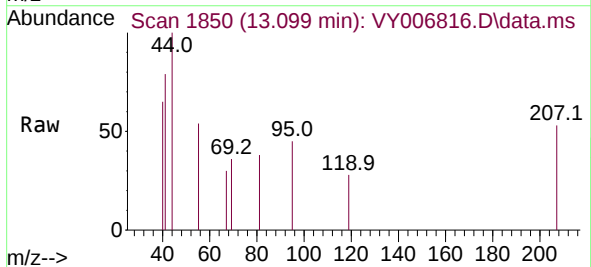
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1-3

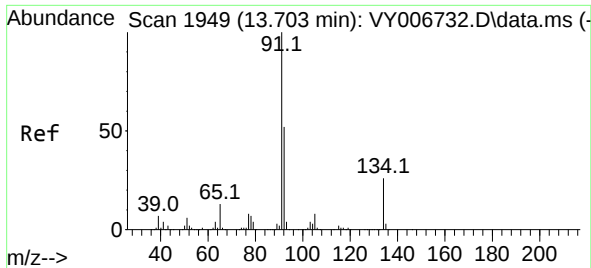
Tgt Ion:105 Resp: 42
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 2.521 ug/l
 RT: 13.099 min Scan# 1850
 Delta R.T. -0.275 min
 Lab File: VY006816.D
 Acq: 18 Nov 2021 18:55

Tgt Ion:119 Resp: 41
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.1 39.1#
 91 51.2 12.4 37.4#





#89

n-Butylbenzene

Concen: 4.300 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VY006816.D

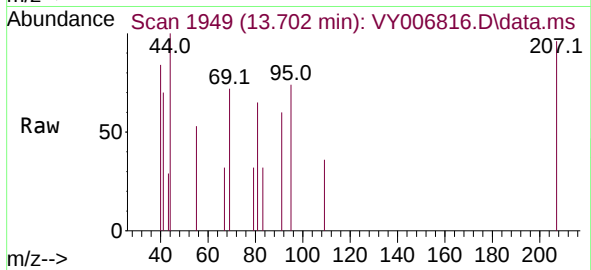
Acq: 18 Nov 2021 18:55

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1-3



Tgt Ion:	91	Resp:	66
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.3	78.9#
134	0.0	12.9	38.7#

