

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045235.D
 Acq On : 08 Oct 2021 02:15
 Operator : SY/MD
 Sample : M4027-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 08 02:57:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 22:18:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	297634	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	283690	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	126234	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	108962	33.442	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.880%
7) Chloroethane-d5	1.893	69	97187	37.641	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.280%
11) 1,1-Dichloroethene-d2	2.562	63	156345	28.574	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.140%#
21) 2-Butanone-d5	4.629	46	213018	82.698	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.700%
24) Chloroform-d	5.067	84	205732	39.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.960%
26) 1,2-Dichloroethane-d4	5.706	65	146531	42.038	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.080%
32) Benzene-d6	5.732	84	425840	43.259	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.520%
36) 1,2-Dichloropropane-d6	6.697	67	136746	42.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.200%
41) Toluene-d8	7.902	98	376042	44.265	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.540%
43) trans-1,3-Dichloroprop...	8.182	79	60322	42.248	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.500%
47) 2-Hexanone-d5	8.636	63	151176	84.989	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.990%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	217458	43.507	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.020%
66) 1,2-Dichlorobenzene-d4	12.198	152	134476	48.950	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.900%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	35409	10.174	ug/L #	27
6) Bromomethane	1.832	94	1046	0.627	ug/L	89
8) Chloroethane	1.845	64	3162	1.448	ug/L #	52
12) 1,1-Dichloroethene	2.575	96	7187	3.118	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	16776	6.909	ug/L	95
19) 1,1-Dichloroethane	3.877	63	3993	0.791	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	766132	286.358	ug/L	93
30) 1,1,1-Trichloroethane	5.324	97	6807	1.733	ug/L	92
34) Trichloroethene	6.549	95	4683858	1853.332	ug/L	99
37) 1,2-Dichloropropane	6.693	63	15333	5.352	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3961	0.966	ug/L #	68
42) Toluene	7.973	91	10015	0.937	ug/L	100
44) trans-1,3-Dichloropropene	8.182	75	2823	0.724	ug/L #	81
46) Tetrachloroethene	8.558	164	1834203	1015.393	ug/L	98
49) Dibromochloromethane	8.558	129	1799322	700.761	ug/L #	11
52) Ethylbenzene	9.574	91	7293	0.646	ug/L	97
53) m,p-Xylene	9.697	106	8378	1.958	ug/L	89
54) o-xylene	10.102	106	1972	0.469	ug/L	88
71) Naphthalene	14.092	128	7462	0.875	ug/L	98

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QLast Update : Thu Oct 07 22:18:46 2021
Response via : Initial Calibration

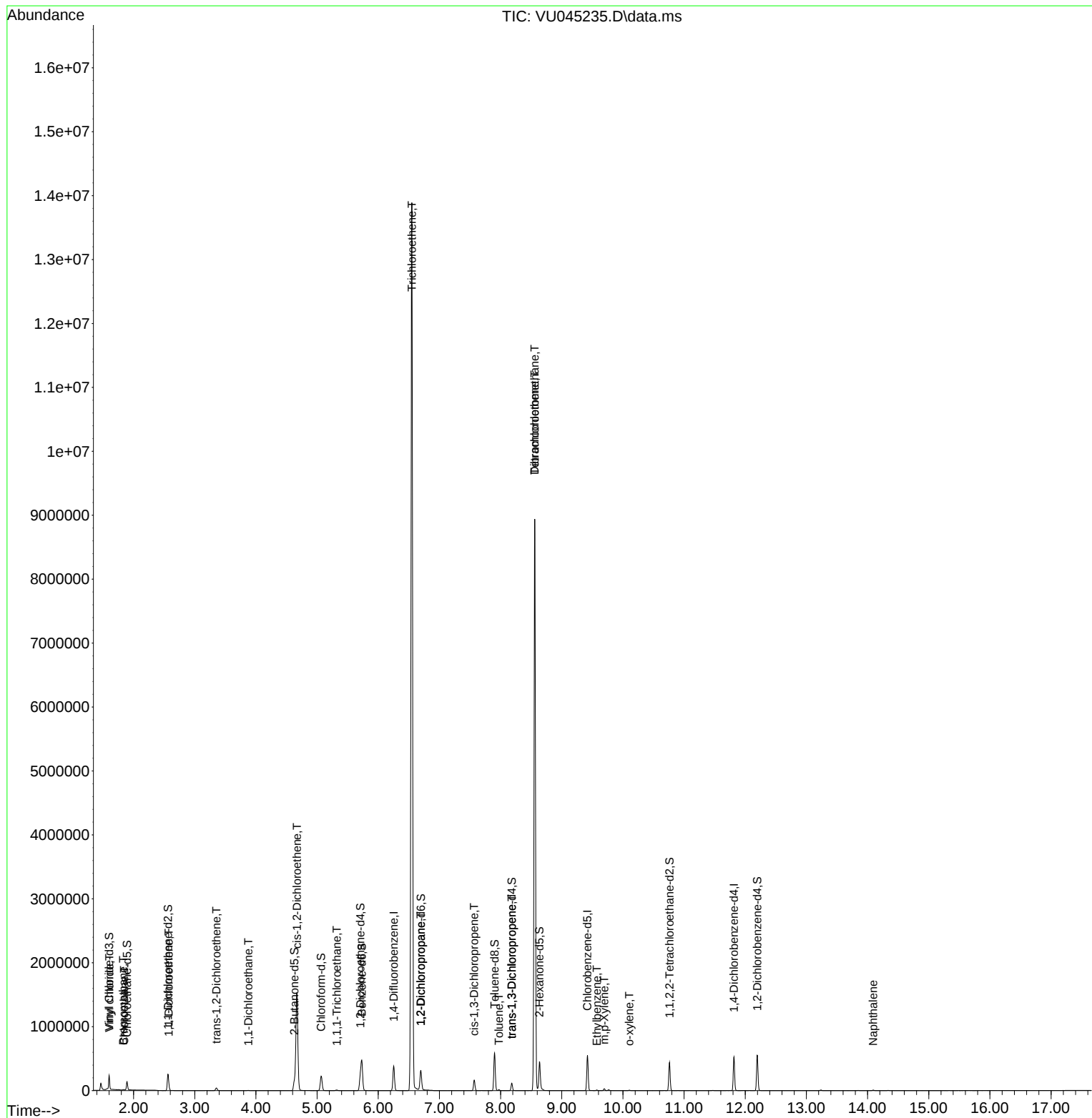
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

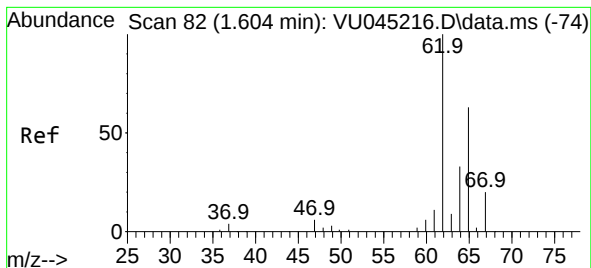
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 10.174 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU045235.D

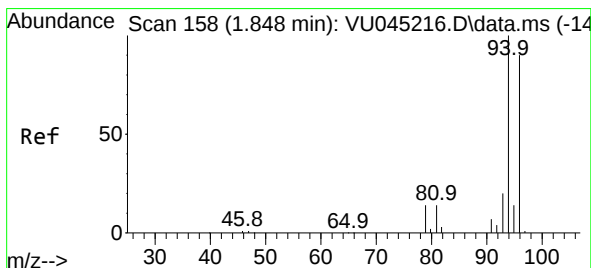
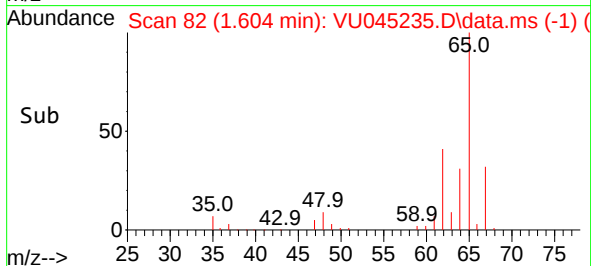
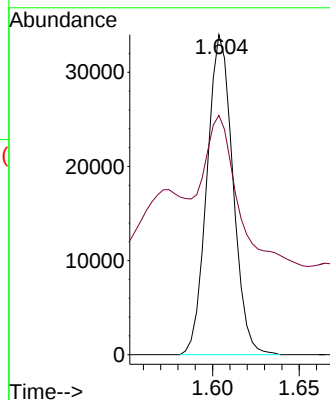
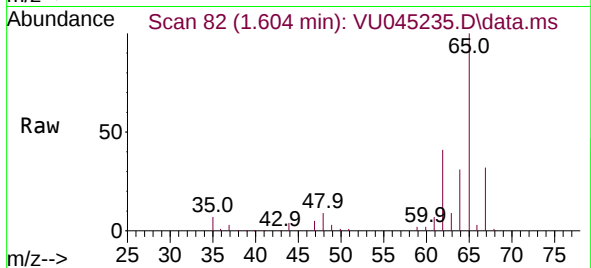
Acq: 08 Oct 2021 02:15

Tgt Ion: 62 Resp: 35409

Ion Ratio Lower Upper

62 100

64 74.8 23.4 43.6#



#6

Bromomethane

Concen: 0.627 ug/L

RT: 1.832 min Scan# 153

Delta R.T. -0.016 min

Lab File: VU045235.D

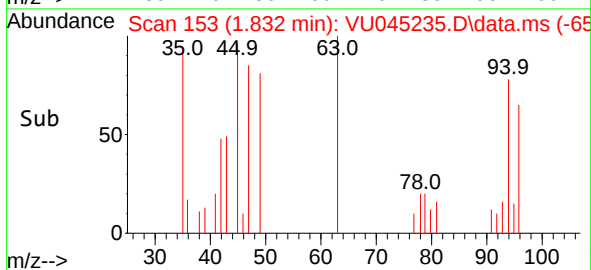
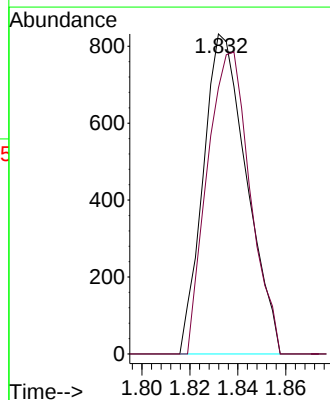
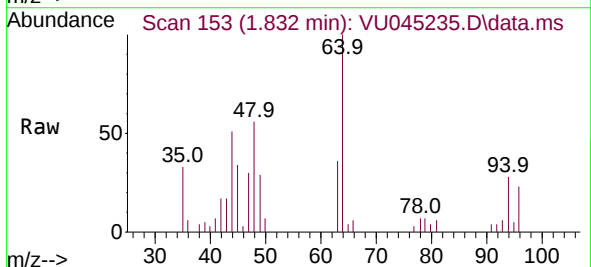
Acq: 08 Oct 2021 02:15

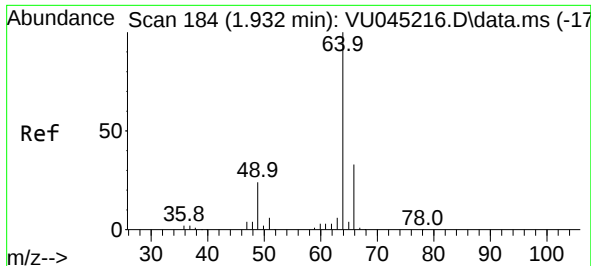
Tgt Ion: 94 Resp: 1046

Ion Ratio Lower Upper

94 100

96 83.2 65.7 121.9

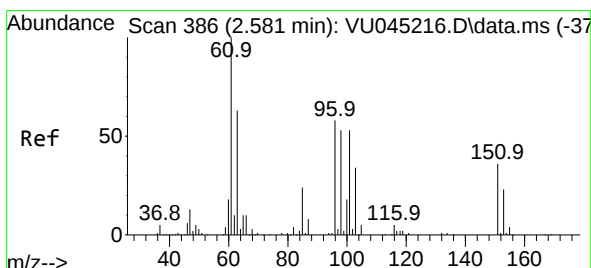
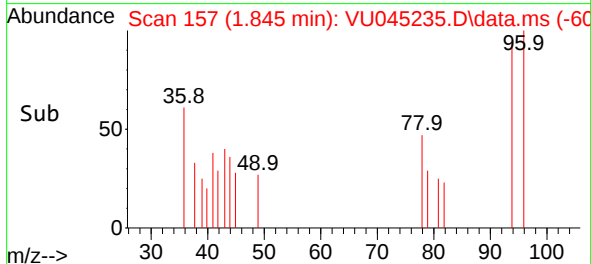
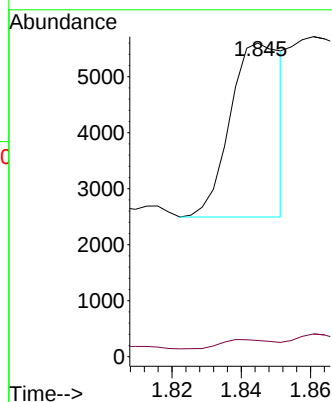
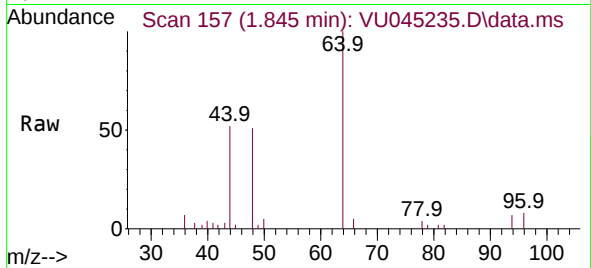




#8
Chloroethane
Concen: 1.448 ug/L
RT: 1.845 min Scan# 157
Delta R.T. -0.087 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

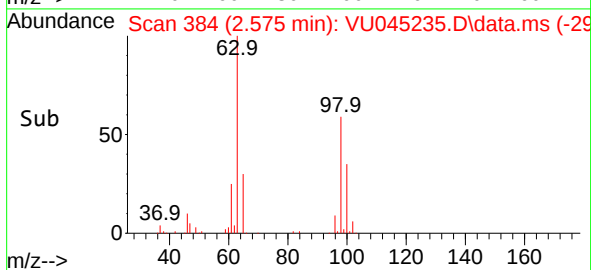
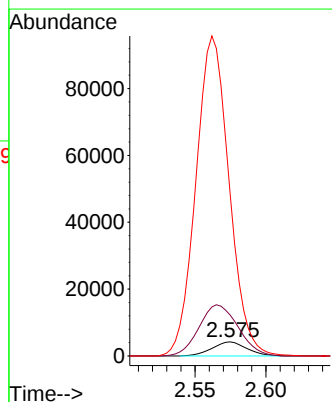
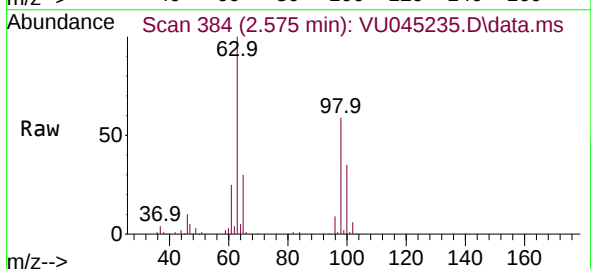
Instrument :
MSVOA_U
ClientSampleId :

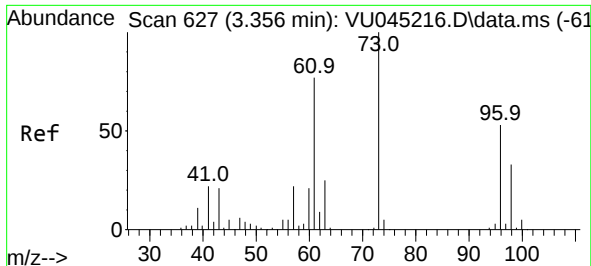
Tgt Ion: 64 Resp: 3162
Ion Ratio Lower Upper
64 100
66 5.2 22.3 41.3#



#12
1,1-Dichloroethene
Concen: 3.118 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.007 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion: 96 Resp: 7187
Ion Ratio Lower Upper
96 100
61 289.2 131.3 243.9#
63 1147.6 102.5 190.3#



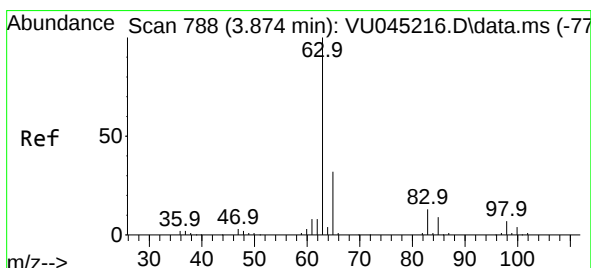
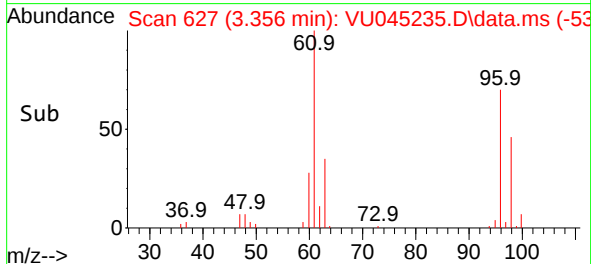
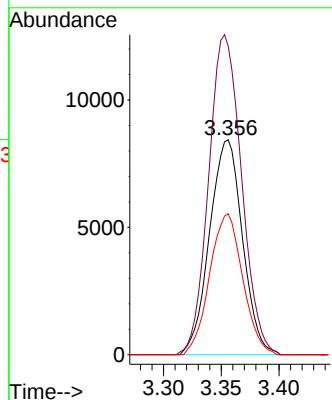
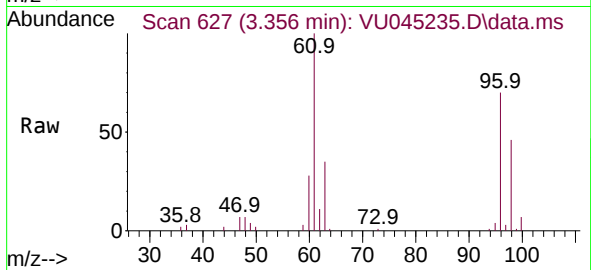


#17

trans-1,2-Dichloroethene
Concen: 6.909 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Instrument :
MSVOA_U
ClientSampled :

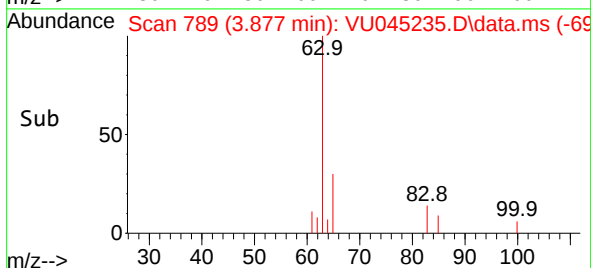
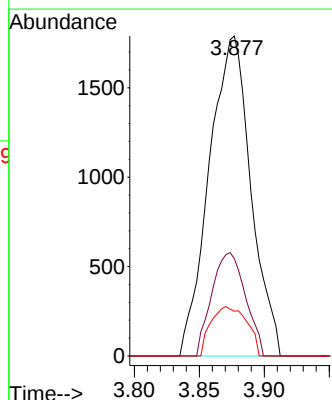
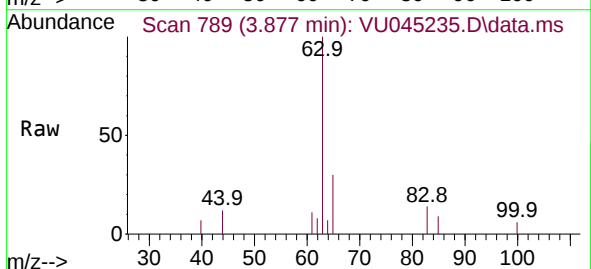
Tgt Ion: 96 Resp: 16776
Ion Ratio Lower Upper
96 100
61 143.6 105.1 195.3
98 65.6 43.0 79.8

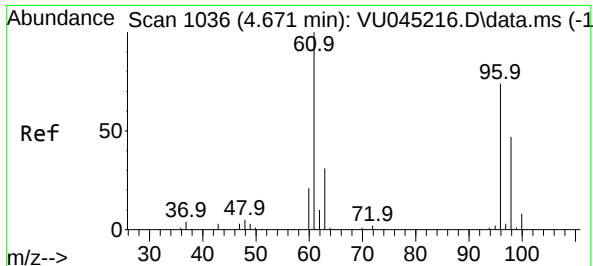


#19

1,1-Dichloroethane
Concen: 0.791 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.003 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion: 63 Resp: 3993
Ion Ratio Lower Upper
63 100
65 30.4 22.0 40.8
83 14.0 9.0 16.6



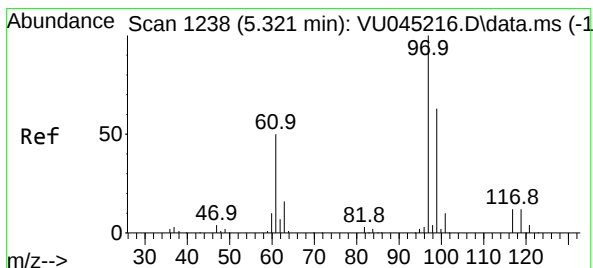
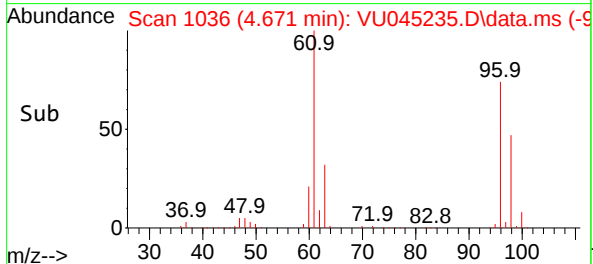
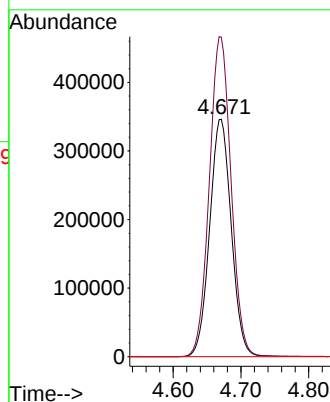
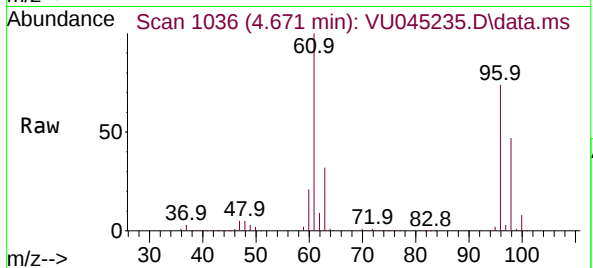


#20

cis-1,2-Dichloroethene
Concen: 286.358 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Instrument :
MSVOA_U
ClientSampled :

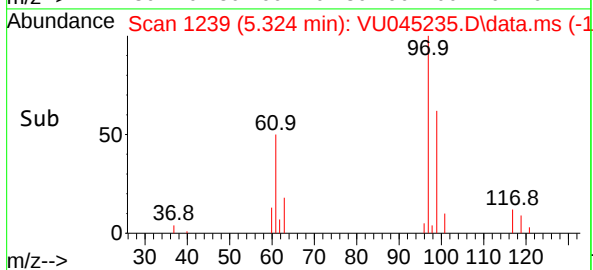
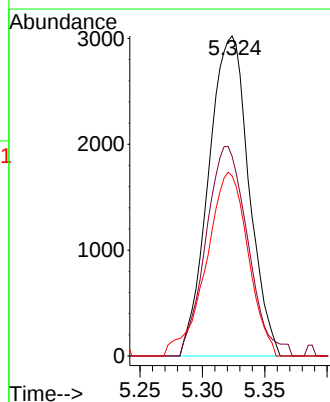
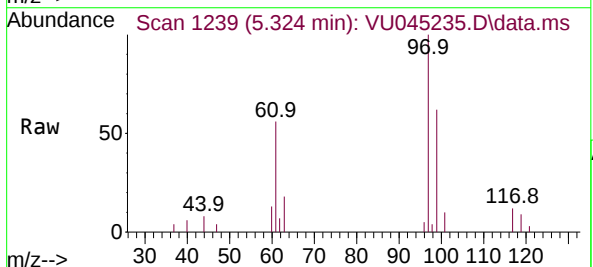
Tgt Ion: 96 Resp: 766132
Ion Ratio Lower Upper
96 100
61 134.6 100.2 186.0
68 0.0 0.0 0.0

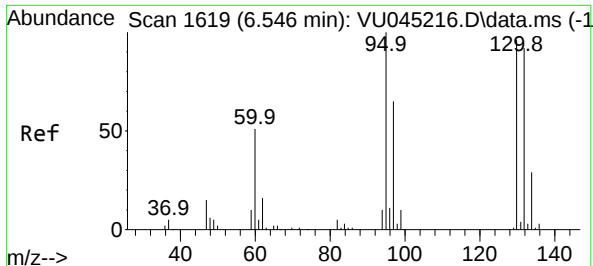


#30

1,1,1-Trichloroethane
Concen: 1.733 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.003 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion: 97 Resp: 6807
Ion Ratio Lower Upper
97 100
99 67.4 50.6 75.8
61 59.4 41.3 61.9





#34

Trichloroethene

Concen: 1853.332 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. 0.003 min

Lab File: VU045235.D

Acq: 08 Oct 2021 02:15

Tgt Ion: 95 Resp: 4683858

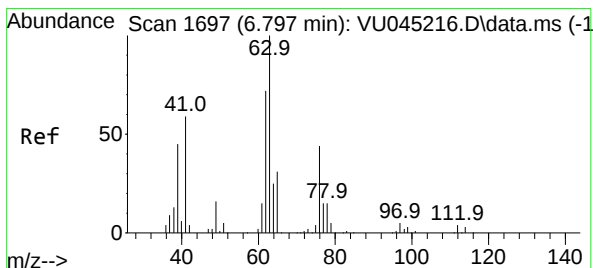
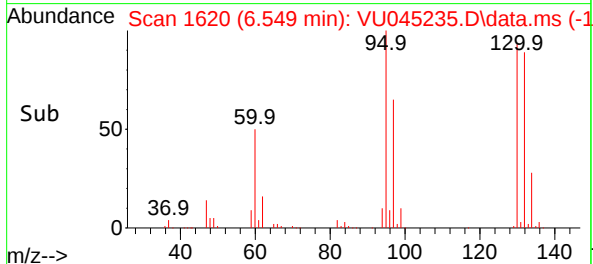
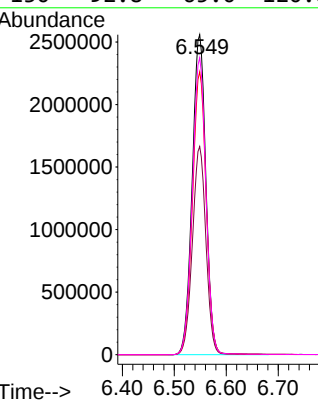
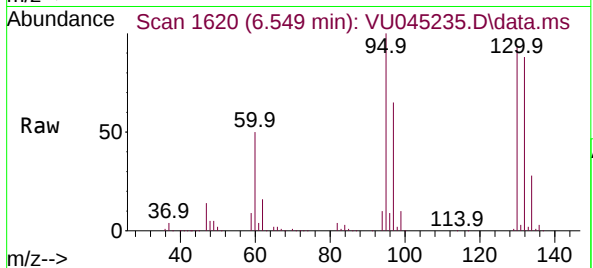
Ion Ratio Lower Upper

95 100

97 65.1 44.4 82.4

132 88.4 62.9 116.9

130 92.8 65.0 120.8



#37

1,2-Dichloropropane

Concen: 5.352 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU045235.D

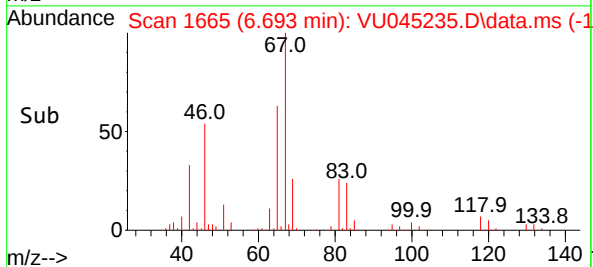
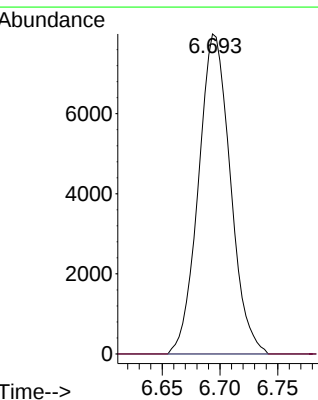
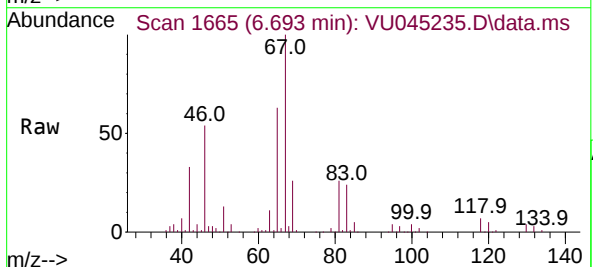
Acq: 08 Oct 2021 02:15

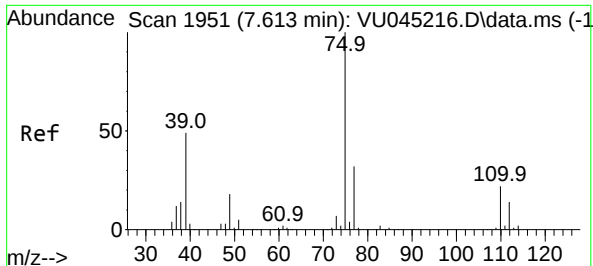
Tgt Ion: 63 Resp: 15333

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



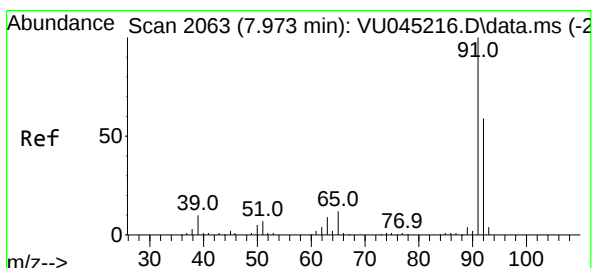
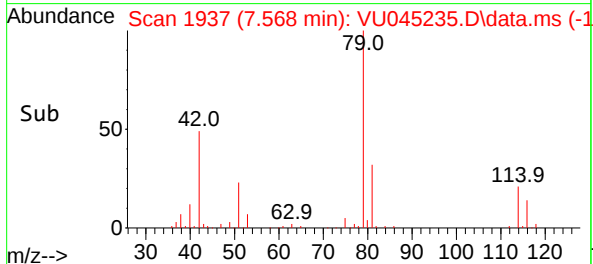
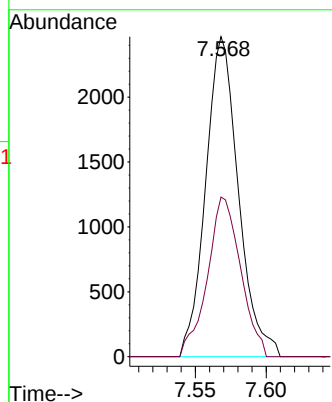
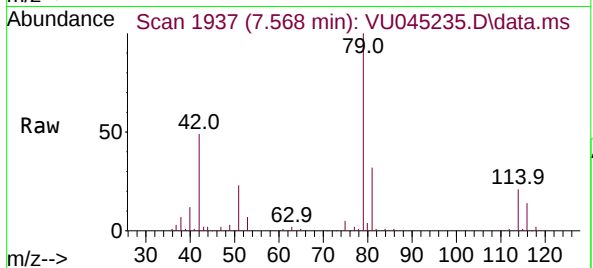


#39

cis-1,3-Dichloropropene
Concen: 0.966 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Instrument :
MSVOA_U
ClientSampled :

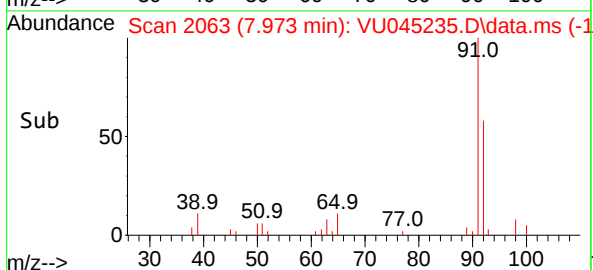
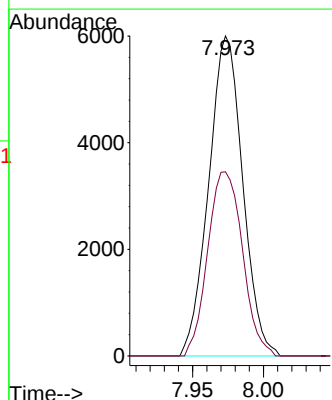
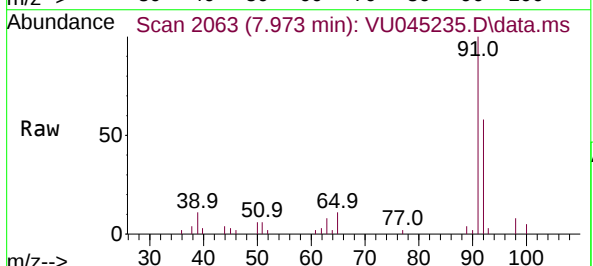
Tgt Ion: 75 Resp: 3961
Ion Ratio Lower Upper
75 100
77 49.9 22.4 41.6#

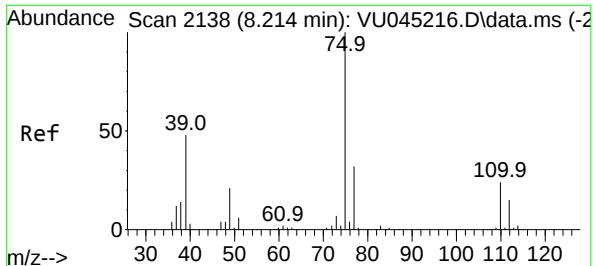


#42

Toluene
Concen: 0.937 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion: 91 Resp: 10015
Ion Ratio Lower Upper
91 100
92 57.5 40.5 75.1

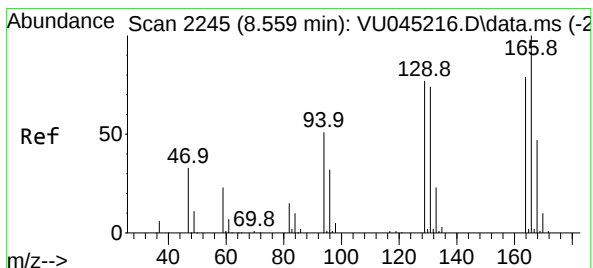
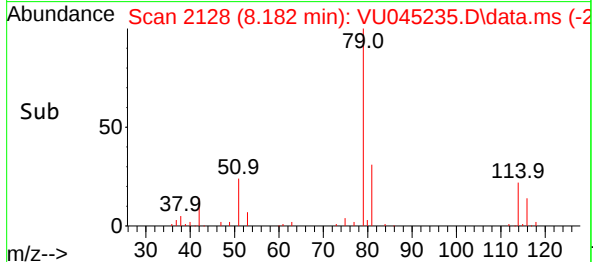
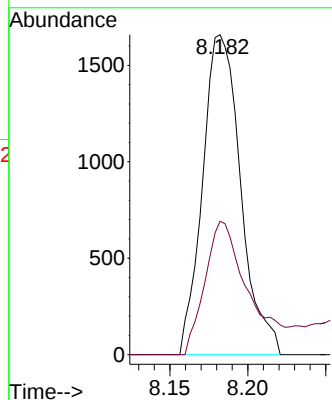
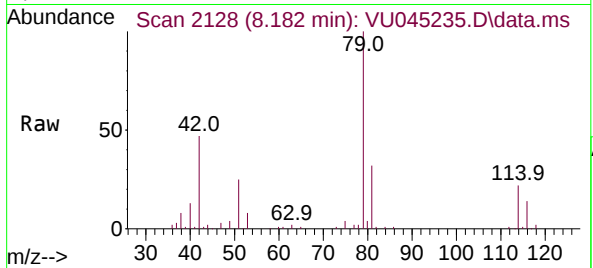




#44
trans-1,3-Dichloropropene
Concen: 0.724 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

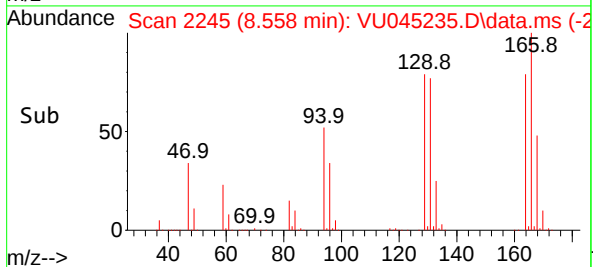
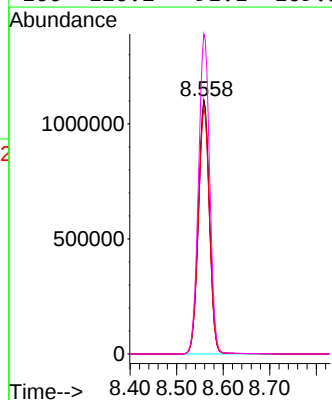
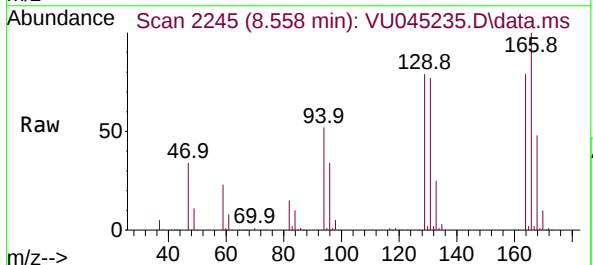
Instrument :
MSVOA_U
ClientSampled :

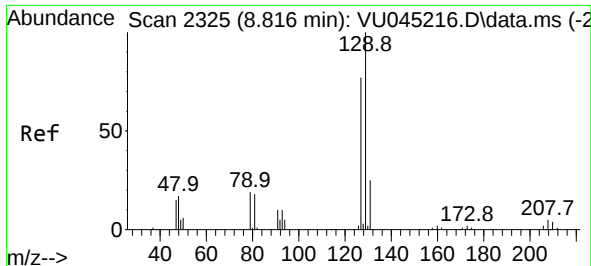
Tgt Ion: 75 Resp: 2823
Ion Ratio Lower Upper
75 100
77 41.7 21.7 40.3#



#46
Tetrachloroethene
Concen: 1015.393 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion:164 Resp: 1834203
Ion Ratio Lower Upper
164 100
129 99.7 69.8 129.6
131 96.7 66.4 123.2
166 126.2 91.1 169.3





#49

Dibromochloromethane

Concen: 700.761 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.257 min

Lab File: VU045235.D

Acq: 08 Oct 2021 02:15

Tgt Ion:129 Resp: 1799322

Ion Ratio Lower Upper

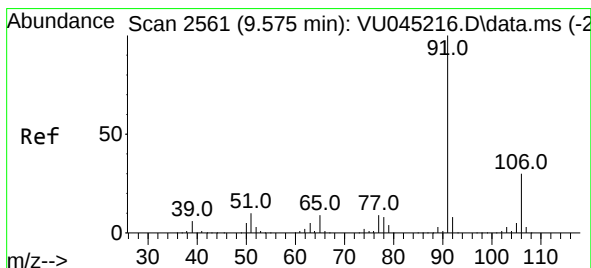
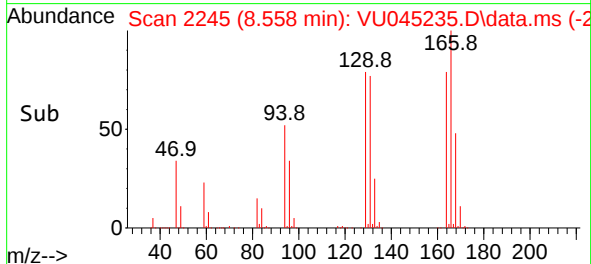
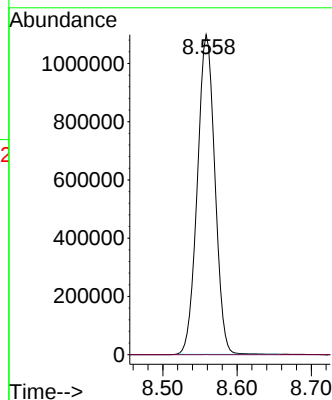
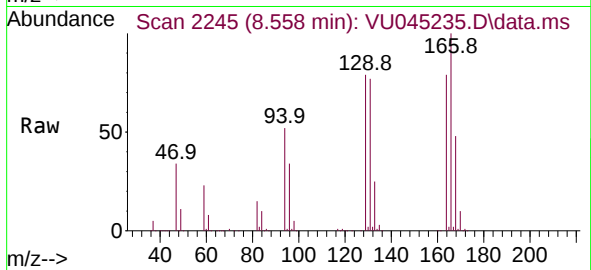
129 100

127 0.0 54.3 100.8#

Instrument :

MSVOA_U

ClientSampleId :



#52

Ethylbenzene

Concen: 0.646 ug/L

RT: 9.574 min Scan# 2561

Delta R.T. -0.000 min

Lab File: VU045235.D

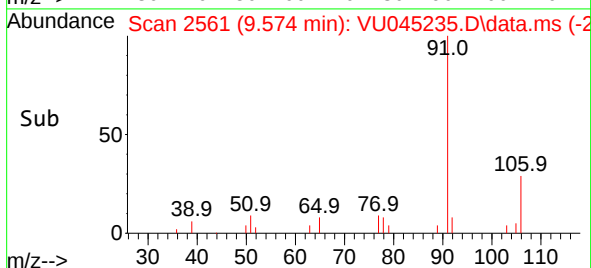
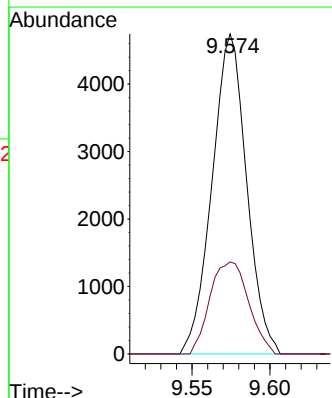
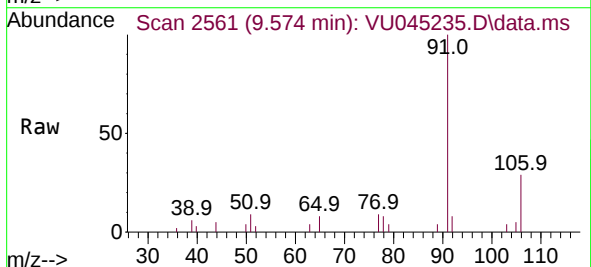
Acq: 08 Oct 2021 02:15

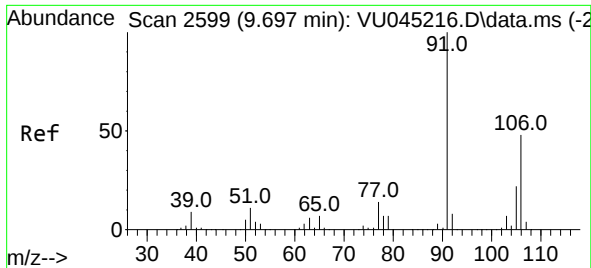
Tgt Ion: 91 Resp: 7293

Ion Ratio Lower Upper

91 100

106 28.7 21.2 39.4

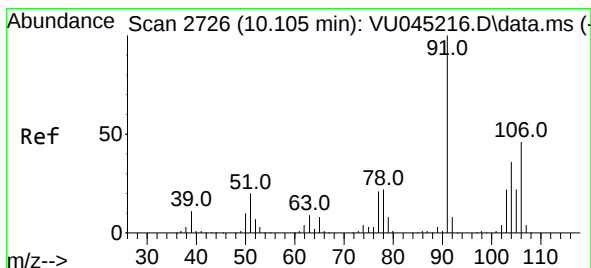
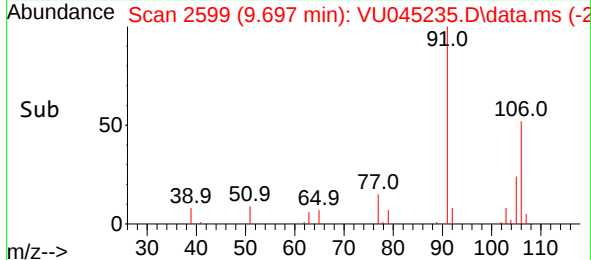
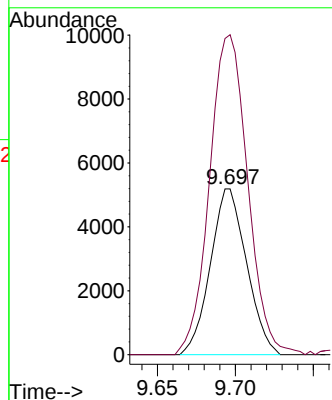
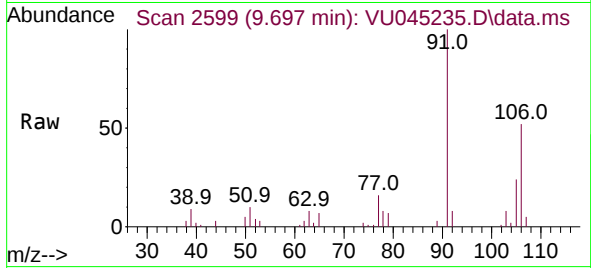




#53
m,p-Xylene
Concen: 1.958 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

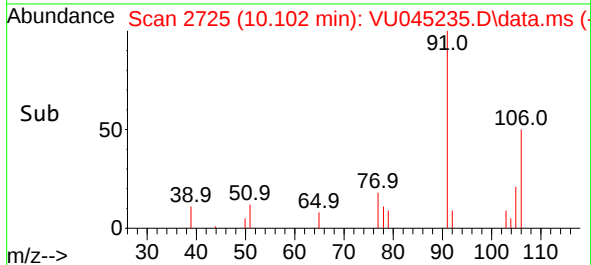
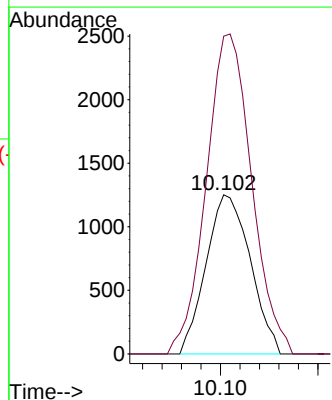
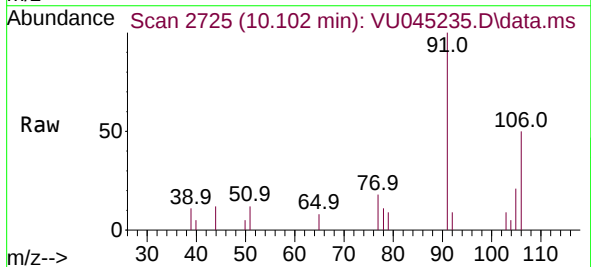
Instrument :
MSVOA_U
ClientSampled :

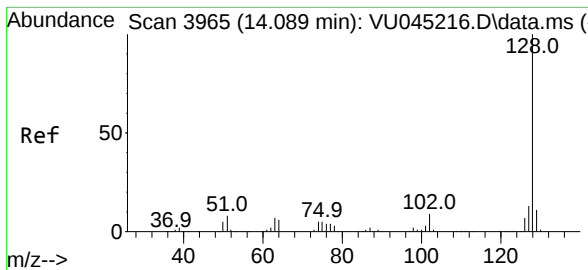
Tgt Ion:106 Resp: 8378
Ion Ratio Lower Upper
106 100
91 193.0 146.7 272.4



#54
o-xylene
Concen: 0.469 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

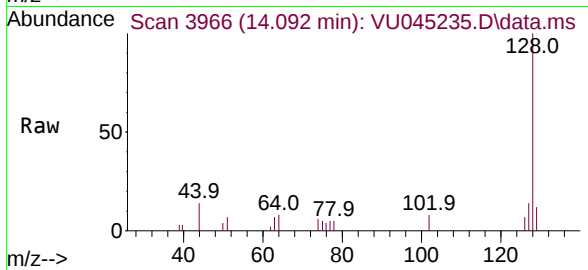
Tgt Ion:106 Resp: 1972
Ion Ratio Lower Upper
106 100
91 199.6 152.9 283.9





#71
Naphthalene
Concen: 0.875 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 7462
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 10.3 8.8 13.2

