

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045095.D
 Acq On : 04 Oct 2021 14:48
 Operator : SY/MD
 Sample : M3996-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A14

Quant Time: Oct 05 02:45:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	296199	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	306059	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	167461	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	99476	30.679	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.360%
7) Chloroethane-d5	1.909	69	94769	36.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.760%
11) 1,1-Dichloroethene-d2	2.572	63	134213	24.648	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.300%#
21) 2-Butanone-d5	4.626	46	253986	99.080	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.080%
24) Chloroform-d	5.070	84	161157	31.469	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	62.940%#
26) 1,2-Dichloroethane-d4	5.735	65	143943	41.495	ug/L	0.03
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.000%
32) Benzene-d6	5.745	84	403937	38.035	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.060%
36) 1,2-Dichloropropane-d6	6.697	67	139277	40.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.440%
41) Toluene-d8	7.909	98	378790	41.330	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.660%
43) trans-1,3-Dichloroprop...	8.185	79	69970	45.424	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.840%
47) 2-Hexanone-d5	8.639	63	222514	115.952	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.950%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	249431	46.257	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.520%
66) 1,2-Dichlorobenzene-d4	12.198	152	161549	44.328	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.660%
Target Compounds						
					Qvalue	
3) Chloromethane	1.662	50	237890	67.294	ug/L	84
8) Chloroethane	1.842	64	13933	6.410	ug/L #	51
13) Acetone	2.633	43	136136	45.942	ug/L	89
14) Carbon disulfide	2.813	76	95402	12.983	ug/L	100
15) Methyl Acetate	2.967	43	47544	13.010	ug/L #	55
22) 2-Butanone	4.710	43	57060	17.205	ug/L	96
25) Chloroform	5.131	83	41797	8.364	ug/L #	35
27) 1,2-Dichloroethane	5.825	62	1191319	285.025	ug/L #	81
29) Cyclohexane	5.395	56	1236103	268.690	ug/L #	96
34) Trichloroethene	6.581	95	14249	5.226	ug/L #	17
35) Methylcyclohexane	6.768	83	420155	92.042	ug/L	88
37) 1,2-Dichloropropane	6.764	63	4641	1.502	ug/L #	96
39) cis-1,3-Dichloropropene	7.571	75	5037	1.139	ug/L #	47
40) 4-Methyl-2-pentanone	7.809	43	80730	15.636	ug/L	93
44) trans-1,3-Dichloropropene	8.185	75	3077	0.732	ug/L #	15
45) 1,1,2-Trichloroethane	8.372	97	32168	11.485	ug/L #	19
48) 2-Hexanone	8.690	43	40473	8.840	ug/L #	67
61) Isopropylbenzene	10.488	105	1359712	110.947	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	3572253	349.022	ug/L	99

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QLast Update : Tue Oct 05 02:41:56 2021
Response via : Initial Calibration

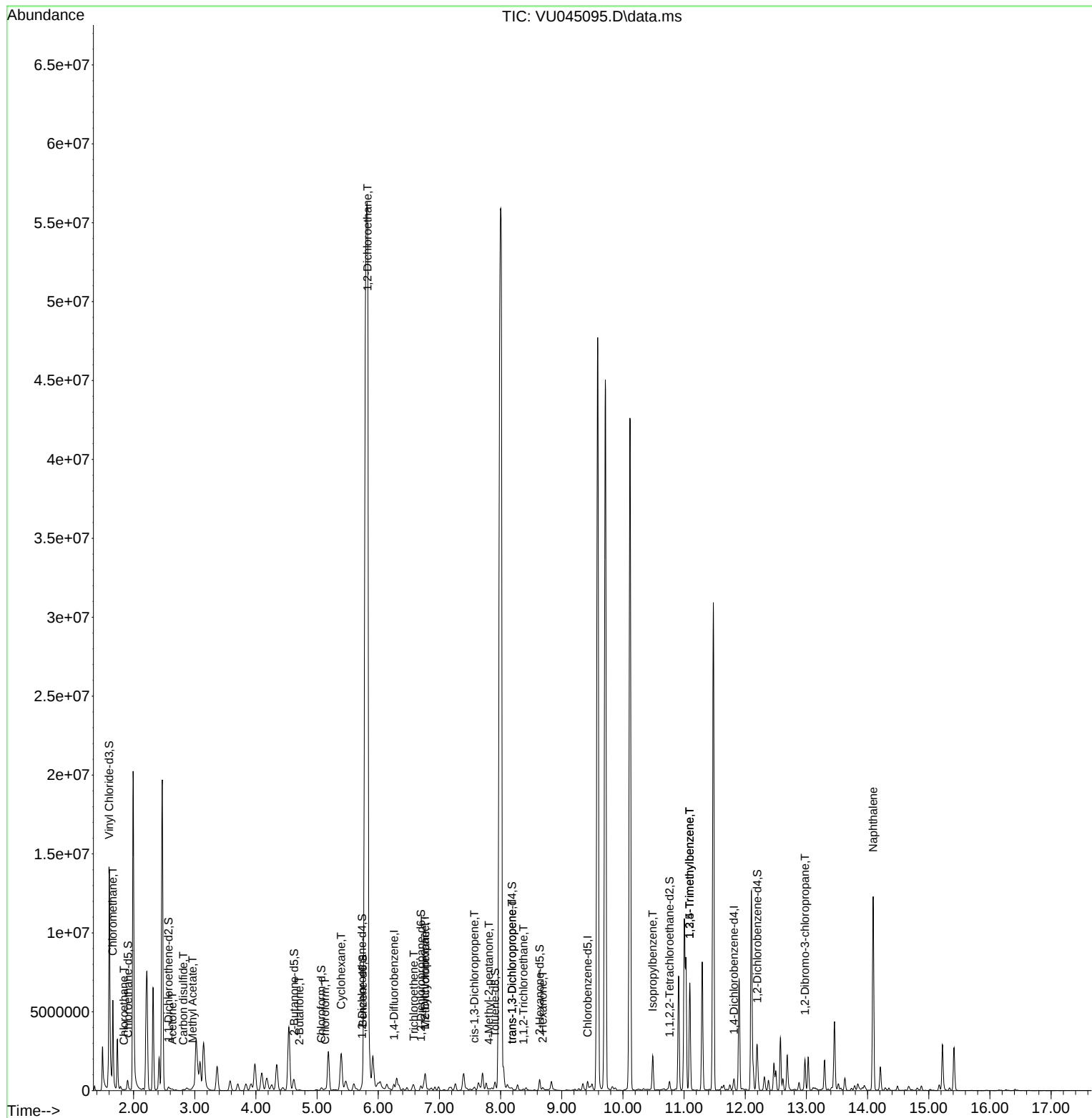
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.092	105	3572253	340.836	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.976	75	8145	6.119	ug/L #	6
71) Naphthalene	14.092	128	9189632	811.913	ug/L	99

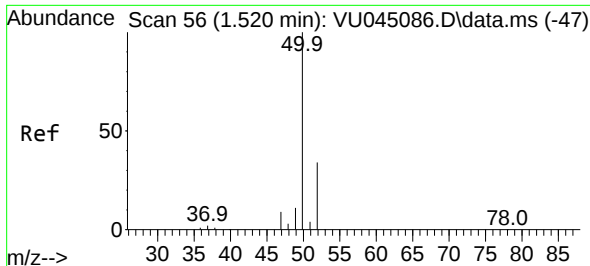
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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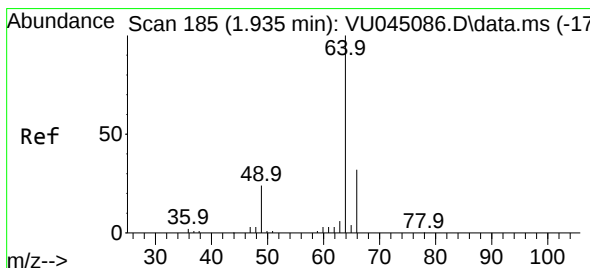
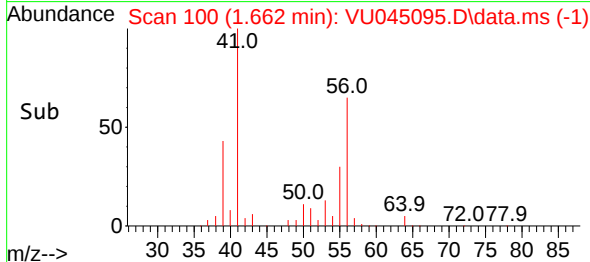
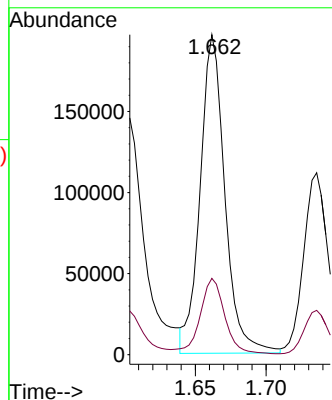
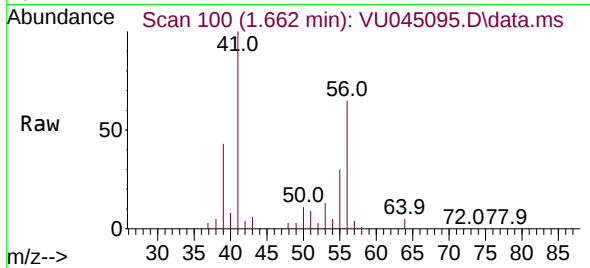




#3
Chloromethane
Concen: 67.294 ug/L
RT: 1.662 min Scan# 100
Delta R.T. 0.141 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

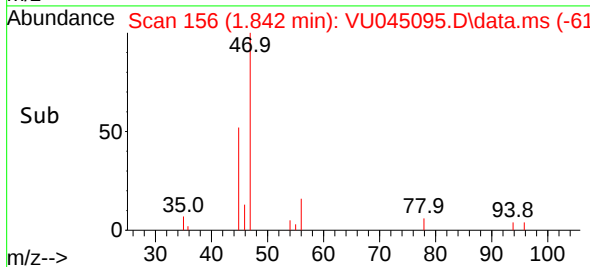
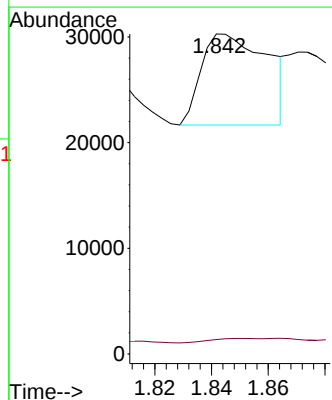
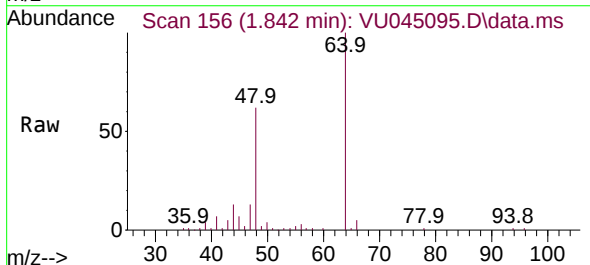
Instrument :
MSVOA_U
ClientSampleId :
F4A14

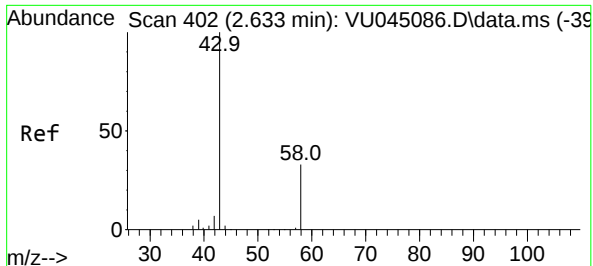
Tgt Ion: 50 Resp: 237890
Ion Ratio Lower Upper
50 100
52 23.9 23.0 42.8



#8
Chloroethane
Concen: 6.410 ug/L
RT: 1.842 min Scan# 156
Delta R.T. -0.093 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 64 Resp: 13933
Ion Ratio Lower Upper
64 100
66 4.5 22.3 41.3#

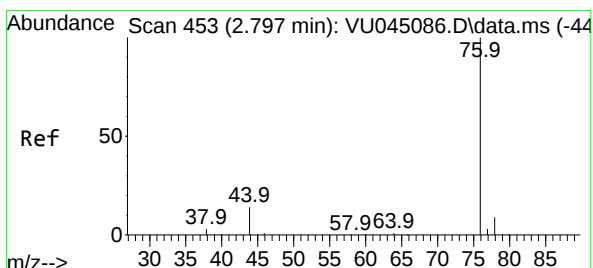
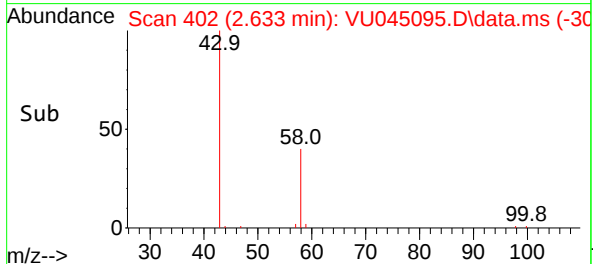
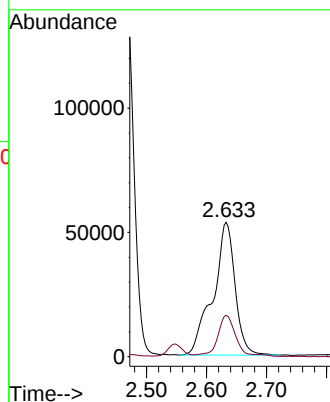
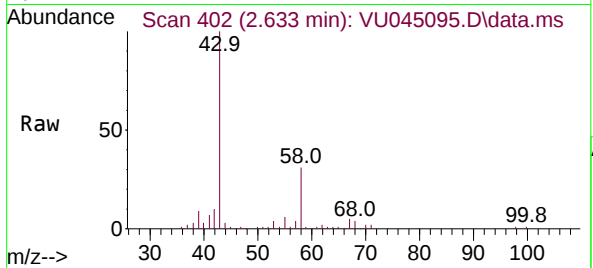




#13
Acetone
Concen: 45.942 ug/L
RT: 2.633 min Scan# 402
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

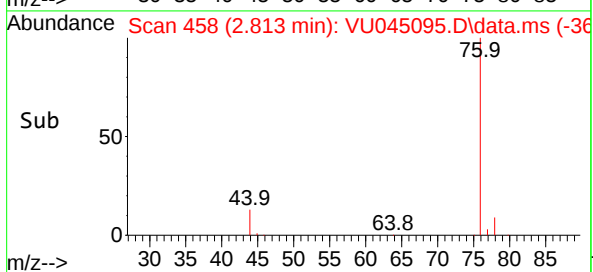
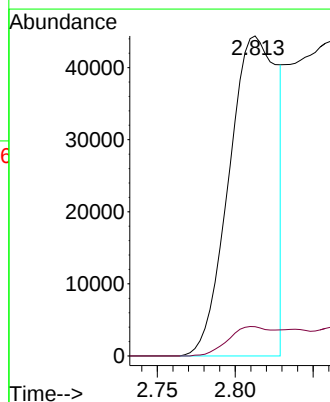
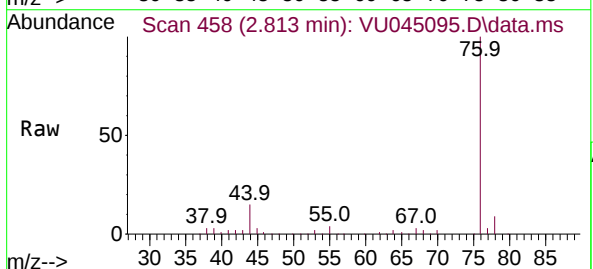
Instrument :
MSVOA_U
ClientSampled :
F4A14

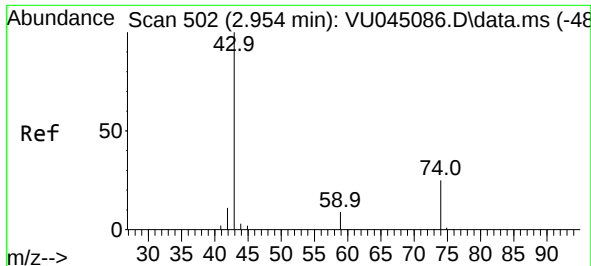
Tgt Ion: 43 Resp: 136136
Ion Ratio Lower Upper
43 100
58 25.3 0.0 62.8



#14
Carbon disulfide
Concen: 12.983 ug/L
RT: 2.813 min Scan# 458
Delta R.T. 0.016 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 76 Resp: 95402
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

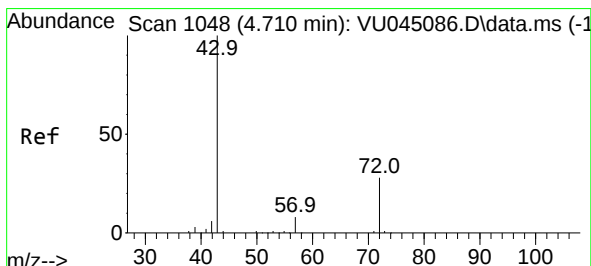
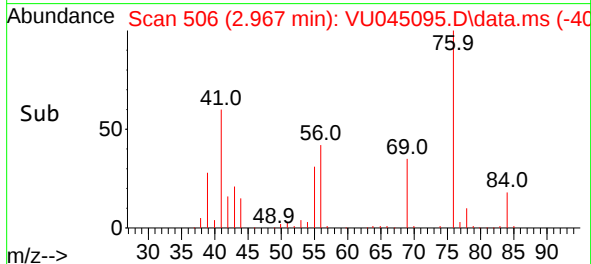
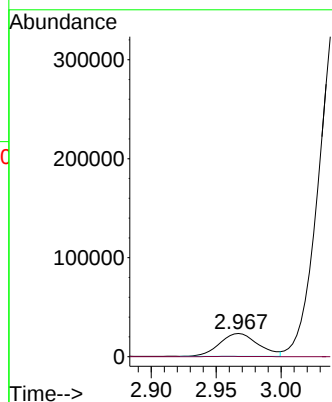
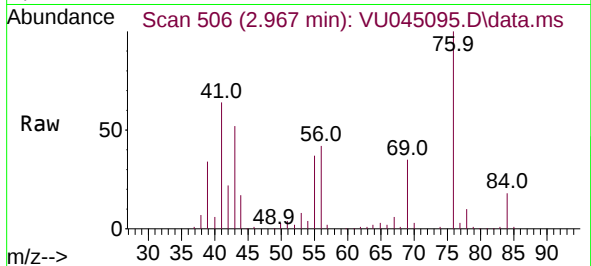




#15
Methyl Acetate
Concen: 13.010 ug/L
RT: 2.967 min Scan# 506
Delta R.T. 0.013 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

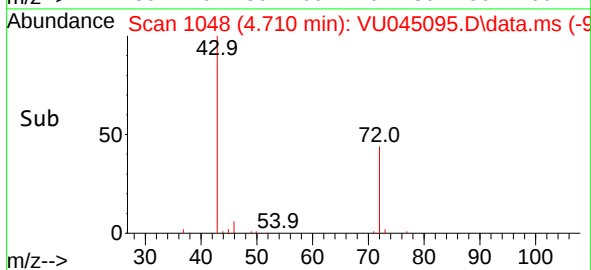
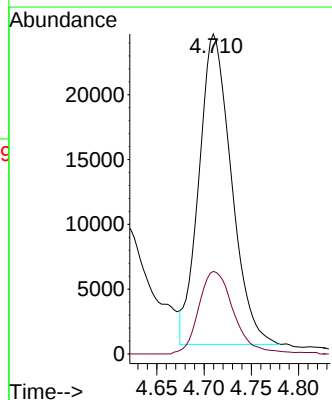
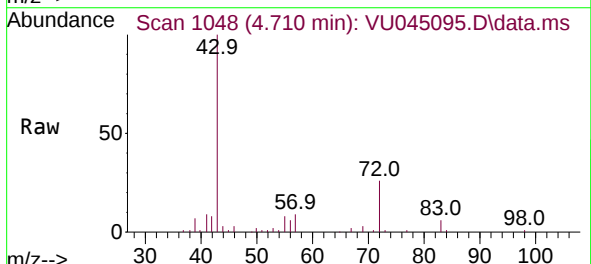
Instrument :
MSVOA_U
ClientSampleId :
F4A14

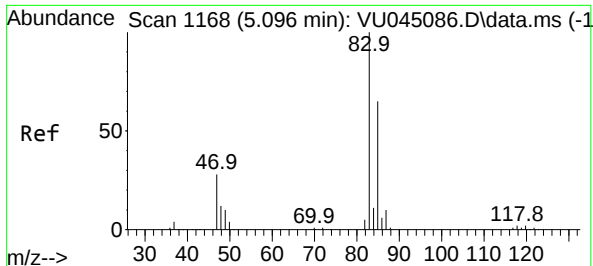
Tgt Ion: 43 Resp: 47544
Ion Ratio Lower Upper
43 100
74 1.3 18.4 27.6#



#22
2-Butanone
Concen: 17.205 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 43 Resp: 57060
Ion Ratio Lower Upper
43 100
72 28.8 13.3 39.9





#25

Chloroform

Concen: 8.364 ug/L

RT: 5.131 min Scan# 1179

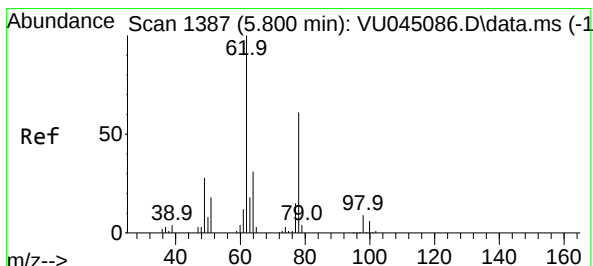
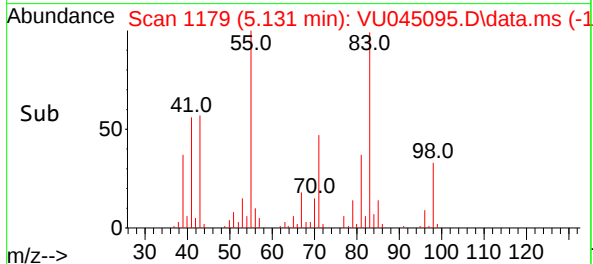
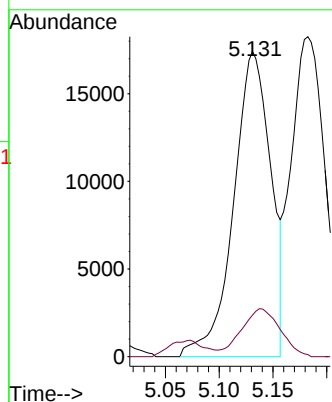
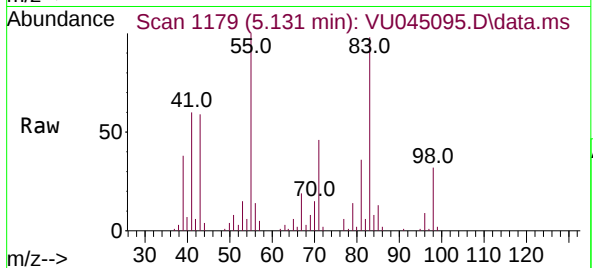
Delta R.T. 0.035 min

Lab File: VU045095.D

Acq: 04 Oct 2021 14:48

Instrument :
MSVOA_U
ClientSampled :
F4A14

Tgt Ion: 83 Resp: 41797
Ion Ratio Lower Upper
83 100
85 13.6 45.6 84.6#



#27

1,2-Dichloroethane

Concen: 285.025 ug/L

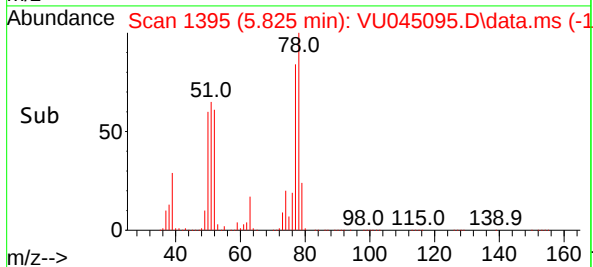
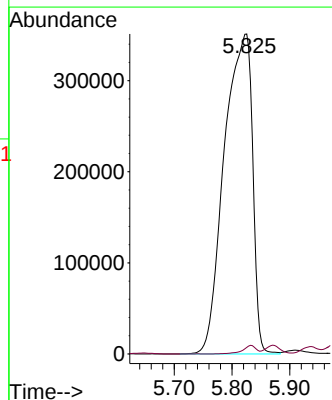
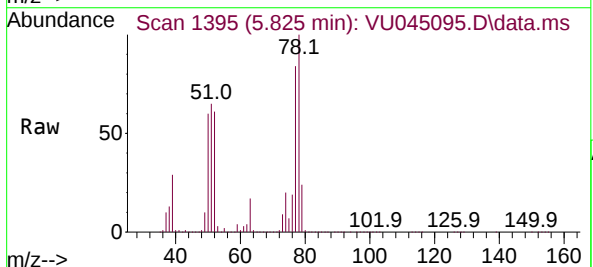
RT: 5.825 min Scan# 1395

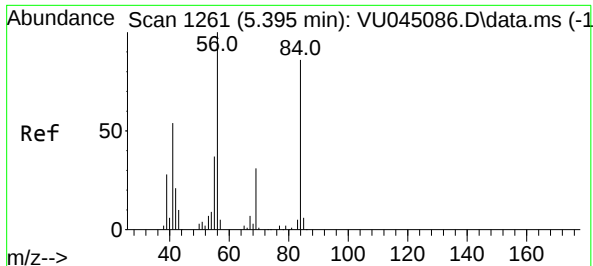
Delta R.T. 0.026 min

Lab File: VU045095.D

Acq: 04 Oct 2021 14:48

Tgt Ion: 62 Resp: 1191319
Ion Ratio Lower Upper
62 100
98 2.0 7.1 10.7#





#29

Cyclohexane

Concen: 268.690 ug/L

RT: 5.395 min Scan# 1261

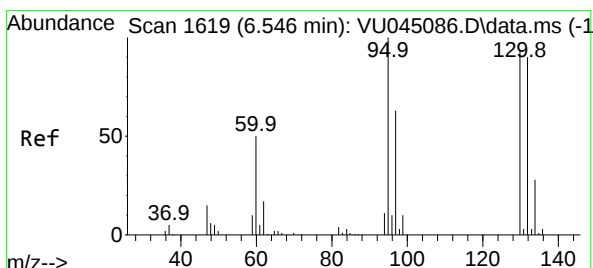
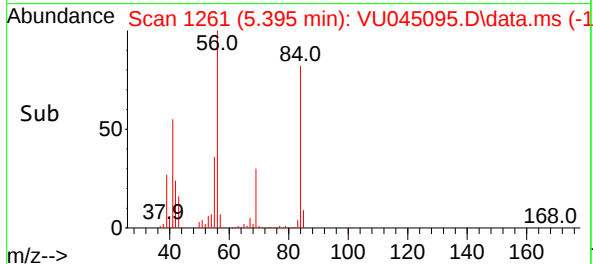
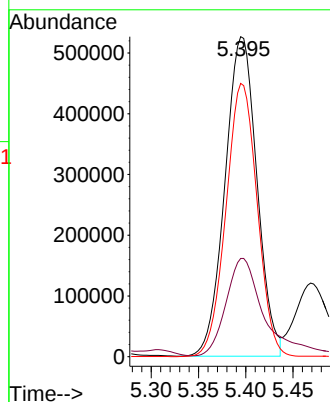
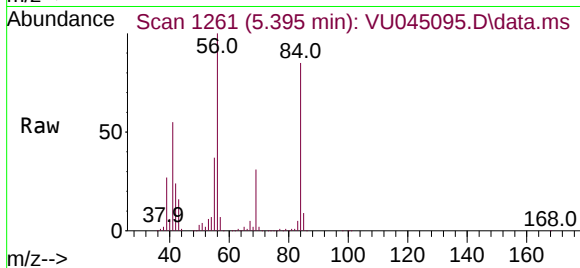
Delta R.T. 0.000 min

Lab File: VU045095.D

Acq: 04 Oct 2021 14:48

Tgt Ion: 56 Resp: 1236103

Ion	Ratio	Lower	Upper
56	100		
69	37.7	23.8	35.8#
84	83.7	66.8	100.2



#34

Trichloroethene

Concen: 5.226 ug/L

RT: 6.581 min Scan# 1630

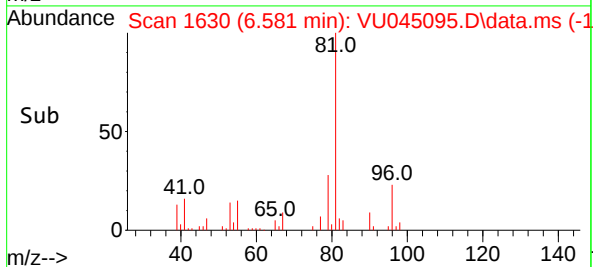
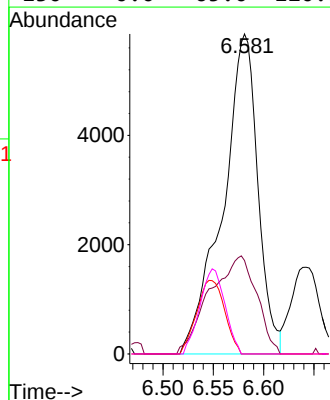
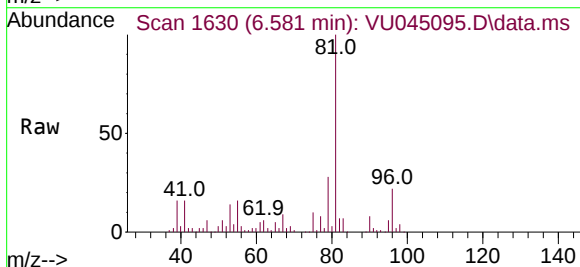
Delta R.T. 0.035 min

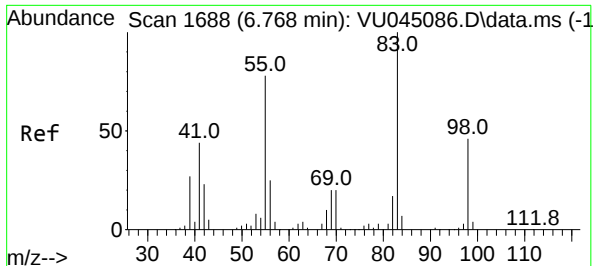
Lab File: VU045095.D

Acq: 04 Oct 2021 14:48

Tgt Ion: 95 Resp: 14249

Ion	Ratio	Lower	Upper
95	100		
97	29.2	44.4	82.4#
132	0.0	62.9	116.9#
130	0.0	65.0	120.8#

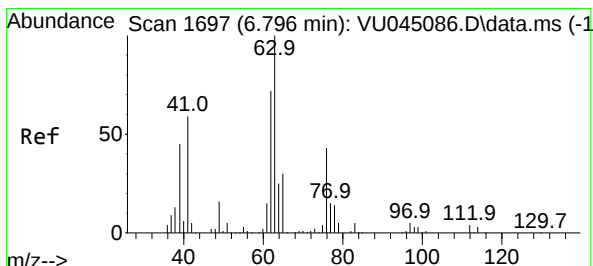
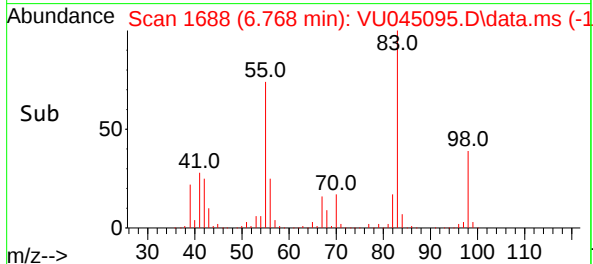
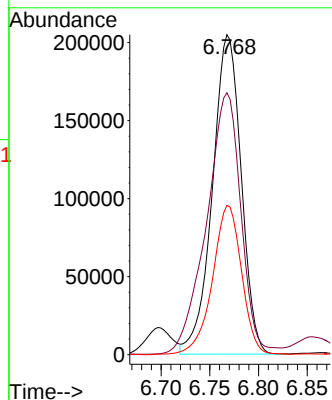
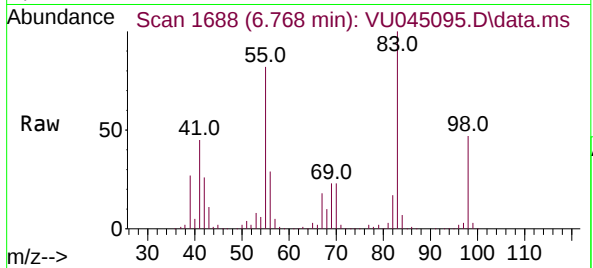




#35
Methylcyclohexane
Concen: 92.042 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

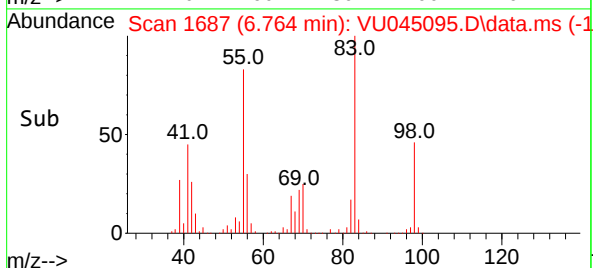
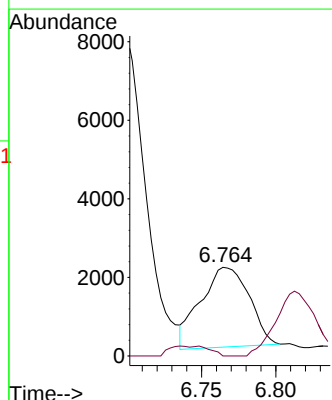
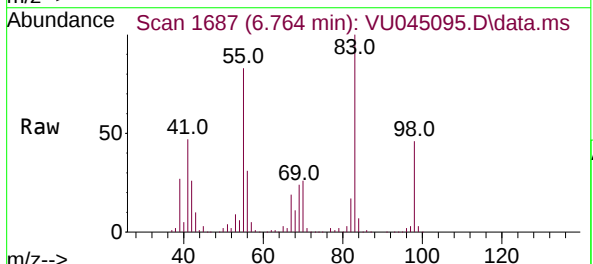
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MSVOA_U
ClientSampled :
F4A14

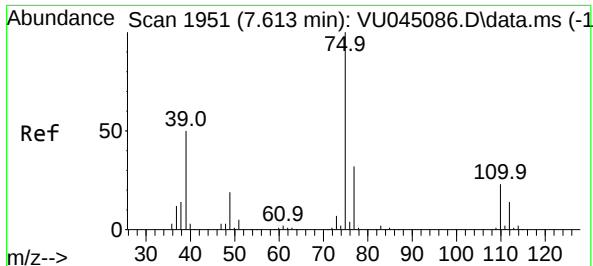
Tgt Ion: 83 Resp: 420155
Ion Ratio Lower Upper
83 100
55 98.0 65.8 98.6
98 47.6 37.1 55.7



#37
1,2-Dichloropropane
Concen: 1.502 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.032 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 63 Resp: 4641
Ion Ratio Lower Upper
63 100
112 5.5 3.2 4.8#



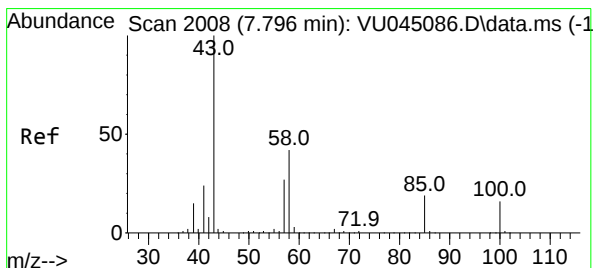
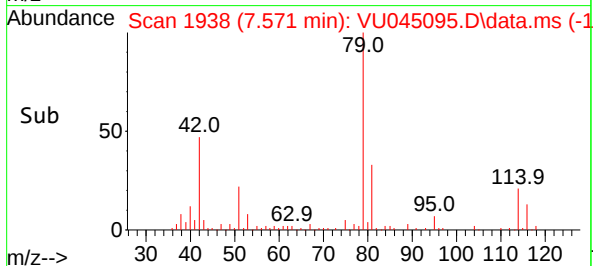
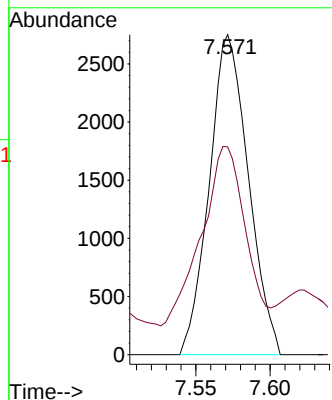
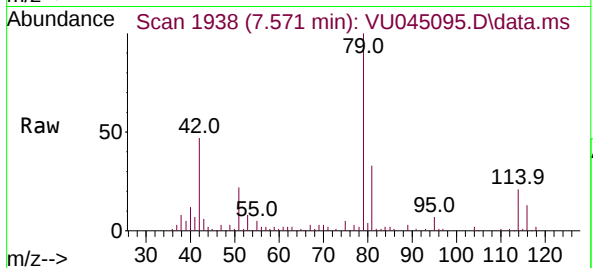


#39

cis-1,3-Dichloropropene
Concen: 1.139 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Instrument :
MSVOA_U
ClientSampled :
F4A14

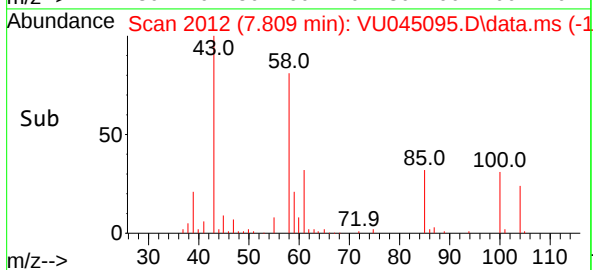
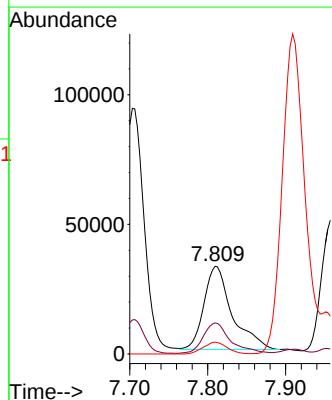
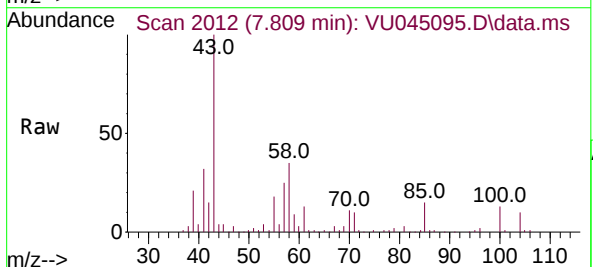
Tgt Ion: 75 Resp: 5037
Ion Ratio Lower Upper
75 100
77 61.6 22.4 41.6#

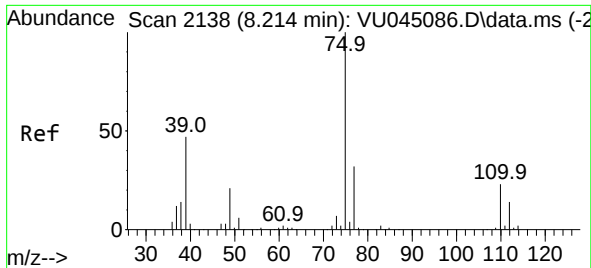


#40

4-Methyl-2-pentanone
Concen: 15.636 ug/L
RT: 7.809 min Scan# 2012
Delta R.T. 0.013 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 43 Resp: 80730
Ion Ratio Lower Upper
43 100
58 35.4 31.8 47.8
100 12.0 11.8 17.6

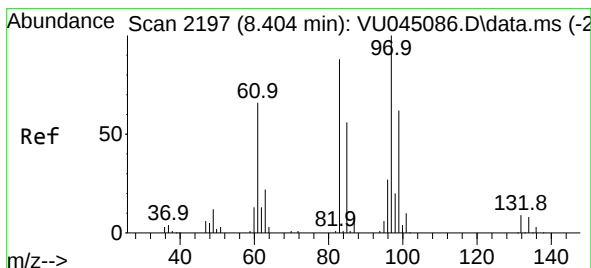
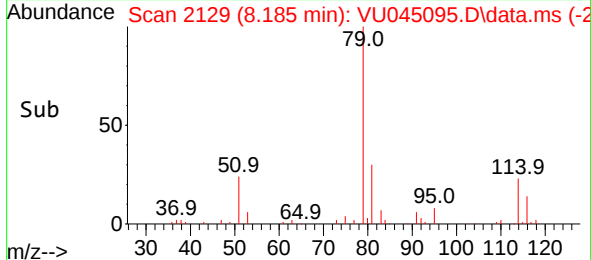
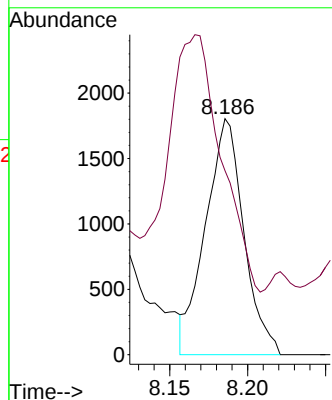
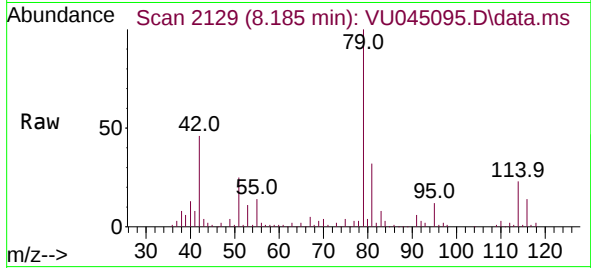




#44
trans-1,3-Dichloropropene
Concen: 0.732 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

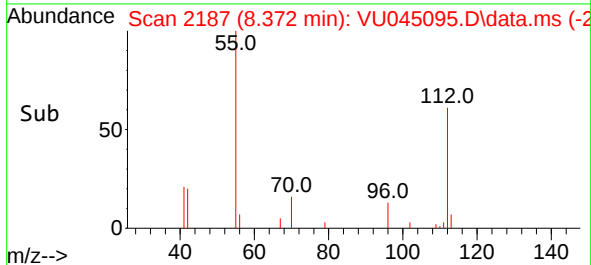
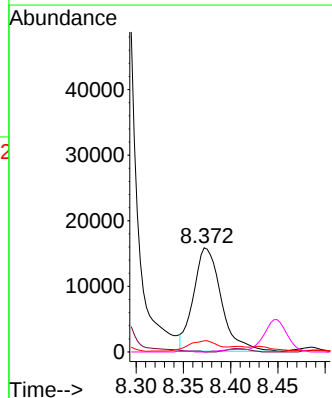
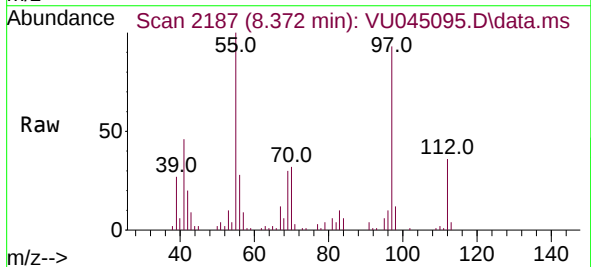
Instrument :
MSVOA_U
ClientSampled :
F4A14

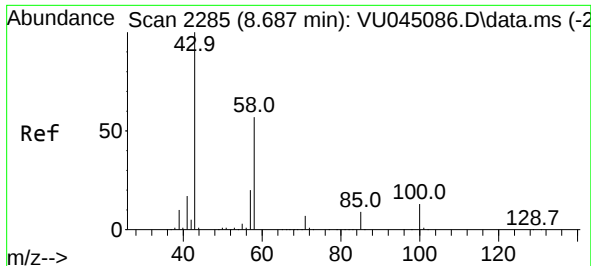
Tgt Ion: 75 Resp: 3077
Ion Ratio Lower Upper
75 100
77 78.0 21.7 40.3#



#45
1,1,2-Trichloroethane
Concen: 11.485 ug/L
RT: 8.372 min Scan# 2187
Delta R.T. -0.032 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 97 Resp: 32168
Ion Ratio Lower Upper
97 100
99 0.0 43.7 81.1#
83 10.8 61.9 115.1#
85 0.0 40.7 75.5#

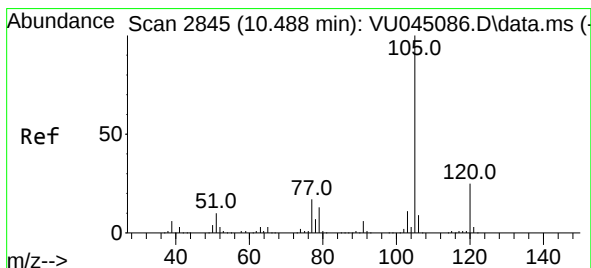
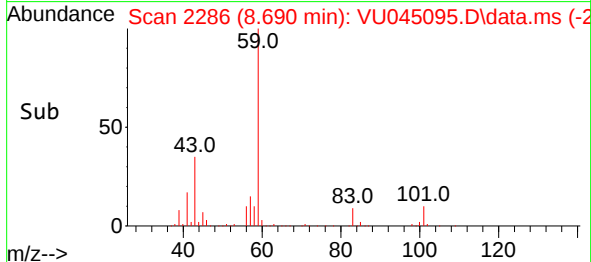
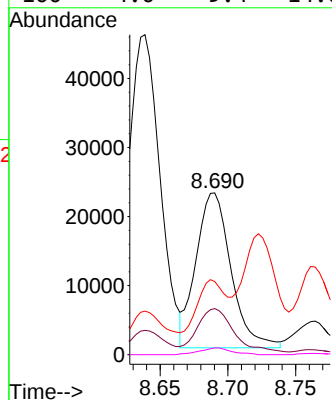
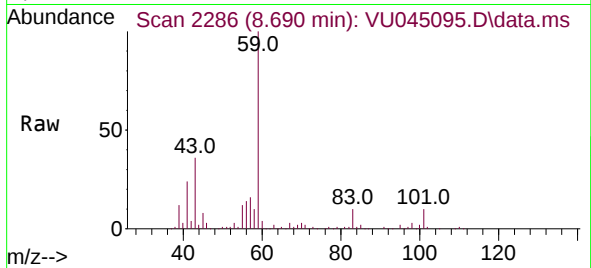




#48
2-Hexanone
Concen: 8.840 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. 0.003 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

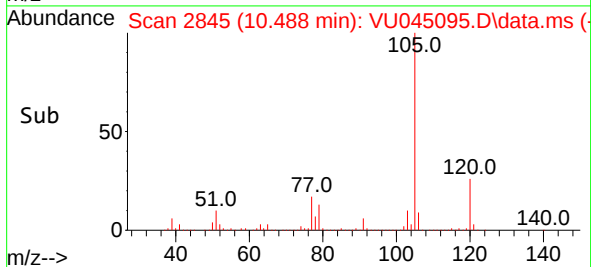
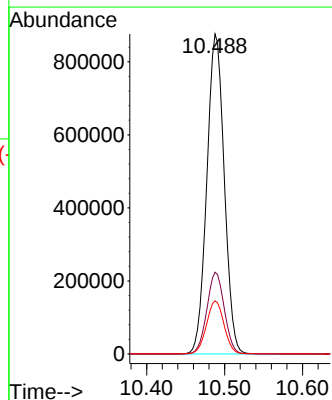
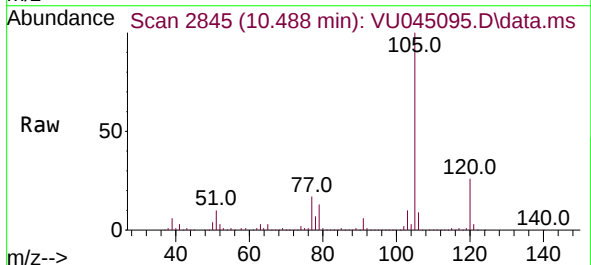
Instrument :
MSVOA_U
ClientSampleId :
F4A14

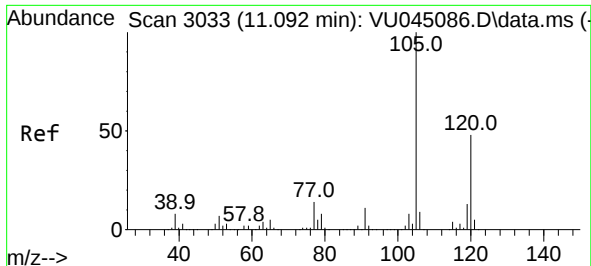
Tgt Ion: 43 Resp: 40473
Ion Ratio Lower Upper
43 100
58 32.4 44.9 67.3#
57 39.4 15.5 23.3#
100 4.0 9.4 14.0#



#61
Isopropylbenzene
Concen: 110.947 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 105 Resp: 1359712
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 16.5 13.5 20.3

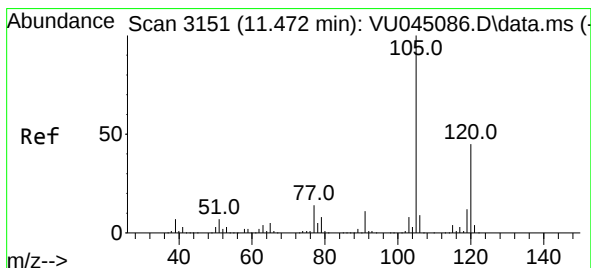
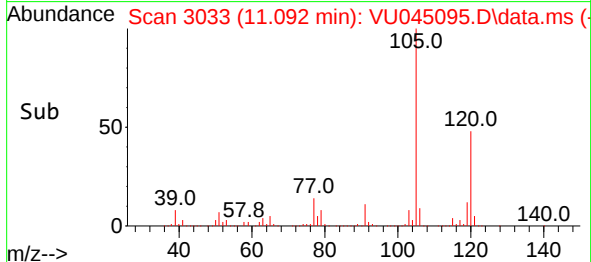
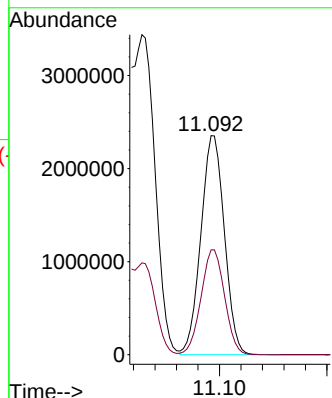
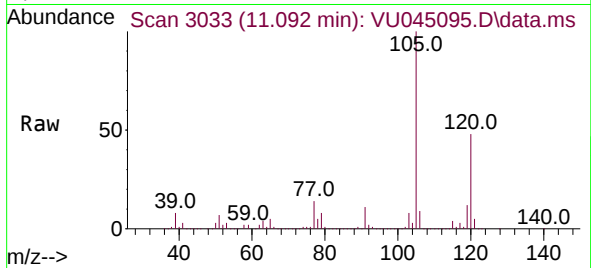




#62
1,3,5-Trimethylbenzene
Concen: 349.022 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

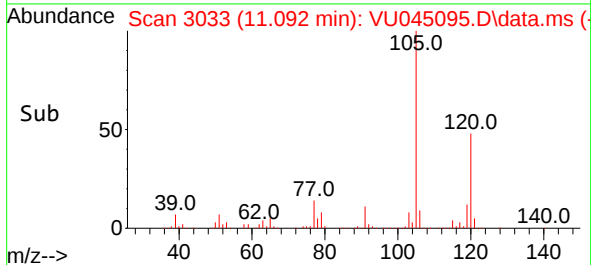
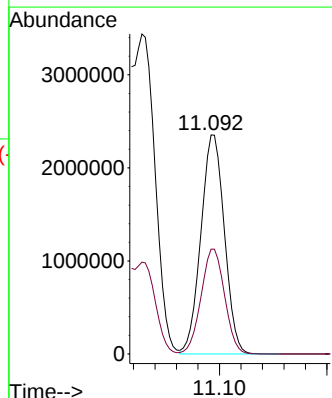
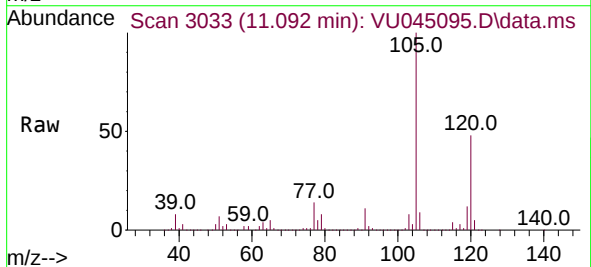
Instrument :
MSVOA_U
ClientSampleId :
F4A14

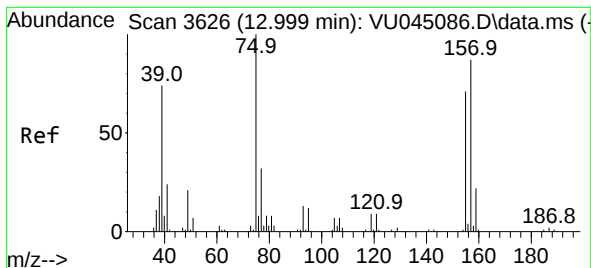
Tgt Ion:105 Resp: 3572253
Ion Ratio Lower Upper
105 100
120 47.9 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 340.836 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.379 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

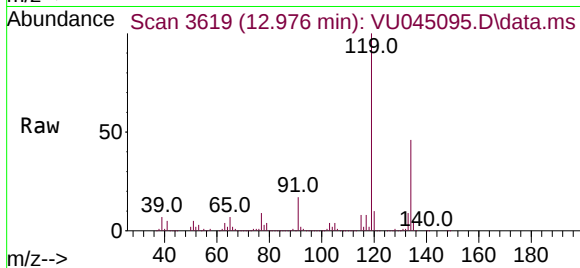
Tgt Ion:105 Resp: 3572253
Ion Ratio Lower Upper
105 100
120 47.9 35.7 53.5



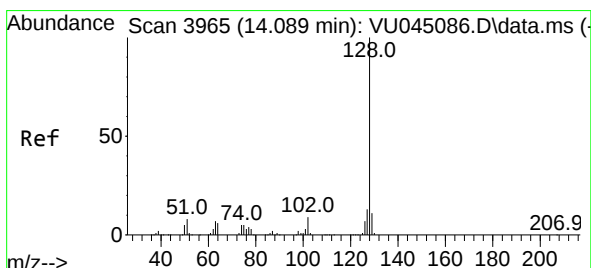
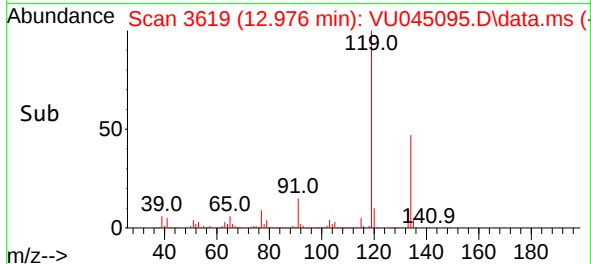
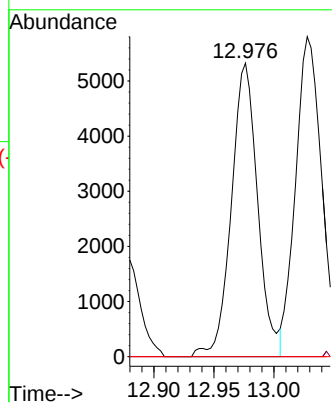


#68
1,2-Dibromo-3-chloropropane
Concen: 6.119 ug/L
RT: 12.976 min Scan# 3619
Delta R.T. -0.022 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Instrument :
MSVOA_U
ClientSampled :
F4A14



Tgt Ion: 75 Resp: 8145
Ion Ratio Lower Upper
75 100
155 0.0 58.5 87.7#
157 0.0 77.7 116.5#



#71
Naphthalene
Concen: 811.913 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 128 Resp: 9189632
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.2 8.8 13.2

