

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050906.D
 Acq On : 22 Sep 2022 18:25
 Operator : JC/MD
 Sample : N4747-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45A3

Quant Time: Sep 23 01:12:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	400621	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	399184	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	198937	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	180098	43.390	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.780%		
7) Chloroethane-d5	1.906	69	140773	47.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.240%		
11) 1,1-Dichloroethene-d2	2.565	63	213146	33.002	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.000%		
21) 2-Butanone-d5	4.617	46	296386	110.605	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	110.600%		
24) Chloroform-d	5.060	84	306101	47.058	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.120%		
26) 1,2-Dichloroethane-d4	5.700	65	199955	49.881	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.760%		
32) Benzene-d6	5.726	84	611453	46.504	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.000%		
36) 1,2-Dichloropropane-d6	6.690	67	211130	47.572	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.140%		
41) Toluene-d8	7.896	98	504082	43.859	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.720%		
43) trans-1,3-Dichloroprop...	8.176	79	84399	43.714	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.420%		
47) 2-Hexanone-d5	8.629	63	176396	96.446	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.450%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	328661	48.572	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.140%		
66) 1,2-Dichlorobenzene-d4	12.192	152	211150	50.693	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.380%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	643772	136.355	ug/L	99
8) Chloroethane	1.929	64	10128	3.874	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1980	0.604	ug/L #	24
12) 1,1-Dichloroethene	2.572	96	3527	1.145	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	62005	19.642	ug/L	99
19) 1,1-Dichloroethane	3.867	63	23094	3.621	ug/L	92
20) cis-1,2-Dichloroethene	4.665	96	1172570	335.008	ug/L	99
27) 1,2-Dichloroethane	5.719	62	3299	0.683	ug/L	98
35) Methylcyclohexane	6.764	83	7300	1.328	ug/L	91
44) trans-1,3-Dichloropropene	8.173	75	3901	0.762	ug/L	99
45) 1,1,2-Trichloroethane	8.369	97	3026	0.817	ug/L #	19
52) Ethylbenzene	9.568	91	106416	7.314	ug/L	99
53) m,p-Xylene	9.697	106	45565	8.424	ug/L	98
54) o-Xylene	10.099	106	5779	1.072	ug/L	79
61) Isopropylbenzene	10.481	105	214184	15.065	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	6381499	551.372	ug/L	100
71) Naphthalene	14.086	128	150611	10.528	ug/L	98

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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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E45A3

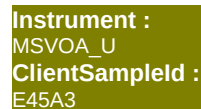
Quant Time: Sep 23 01:12:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 23 01:08:30 2022
Response via : Initial Calibration

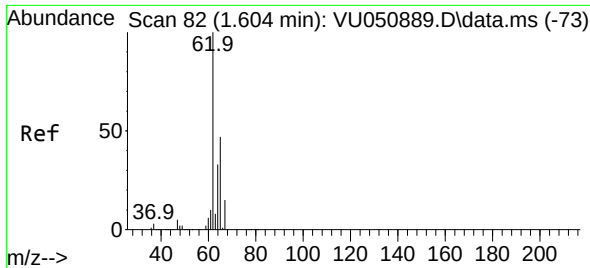
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_U
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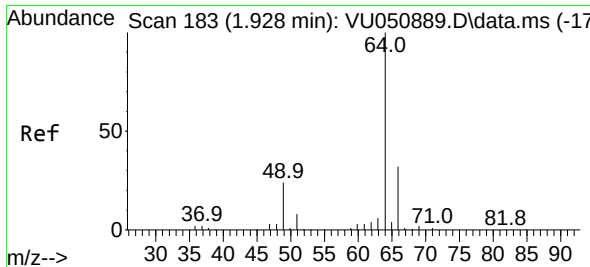
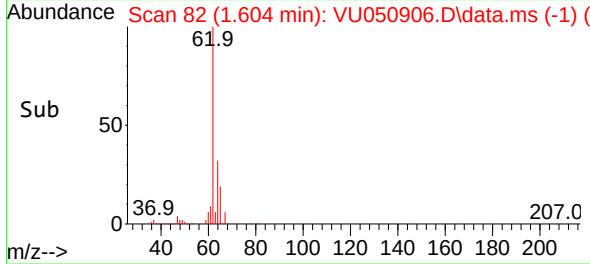
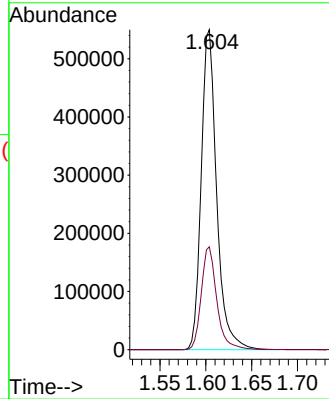
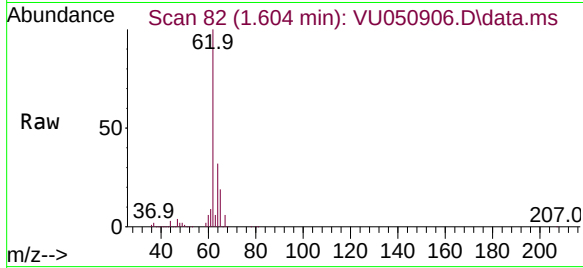




#5
 Vinyl chloride
 Concen: 136.355 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050906.D
 Acq: 22 Sep 2022 18:25

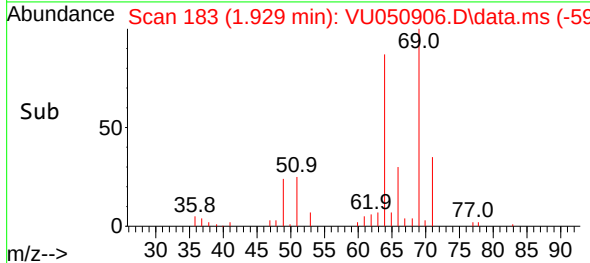
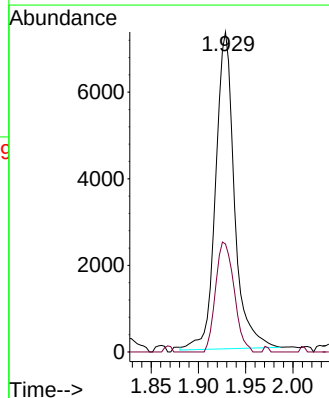
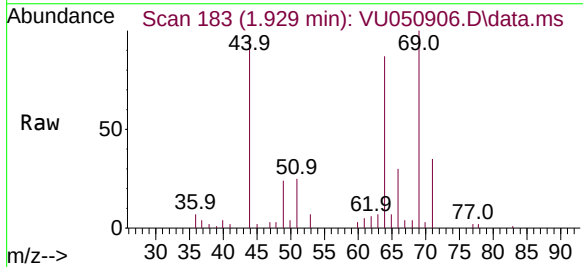
Instrument :
 MSVOA_U
 ClientSampleId :
 E45A3

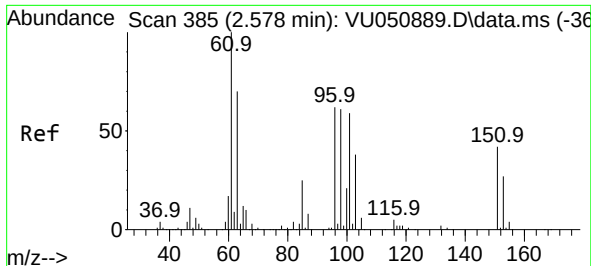
Tgt Ion: 62 Resp: 643772
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.2 41.2



#8
 Chloroethane
 Concen: 3.874 ug/L
 RT: 1.929 min Scan# 183
 Delta R.T. 0.000 min
 Lab File: VU050906.D
 Acq: 22 Sep 2022 18:25

Tgt Ion: 64 Resp: 10128
 Ion Ratio Lower Upper
 64 100
 66 33.8 22.9 42.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.604 ug/L

RT: 2.562 min Scan# 3

Delta R.T. -0.016 min

Lab File: VU050906.D

Acq: 22 Sep 2022 18:25

Instrument :

MSVOA_U

ClientSampleId :

E45A3

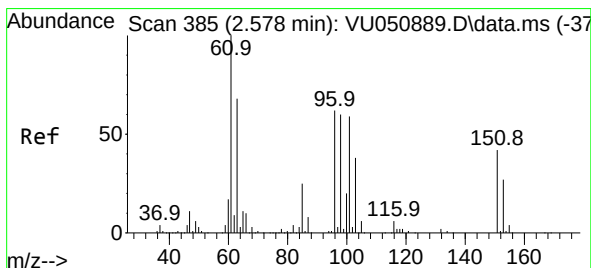
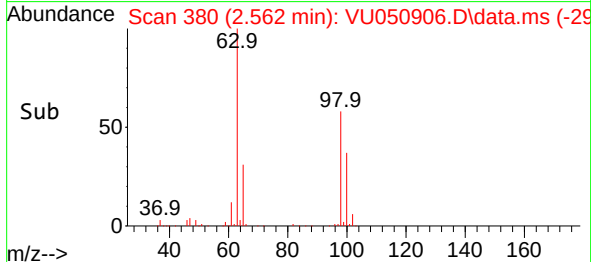
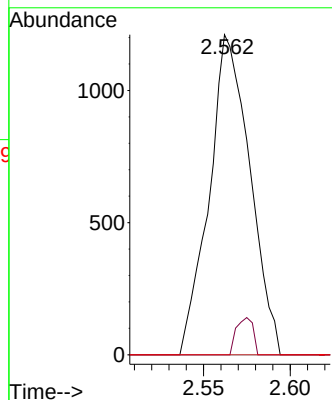
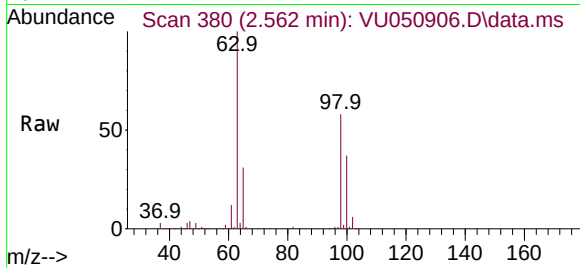
Tgt Ion:101 Resp: 1980

Ion Ratio Lower Upper

101 100

85 4.7 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 1.145 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.006 min

Lab File: VU050906.D

Acq: 22 Sep 2022 18:25

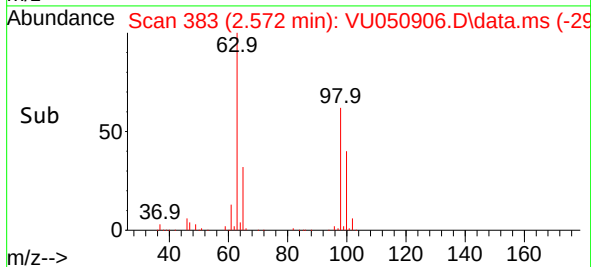
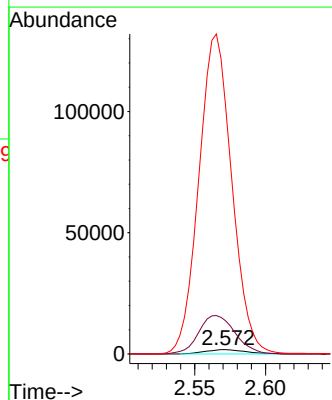
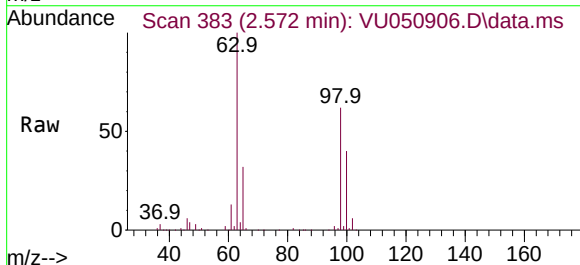
Tgt Ion: 96 Resp: 3527

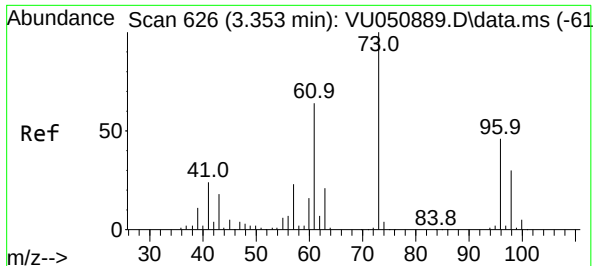
Ion Ratio Lower Upper

96 100

61 763.6 118.6 220.2#

63 5720.3 90.4 168.0#





#17

trans-1,2-Dichloroethene

Concen: 19.642 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050906.D

Acq: 22 Sep 2022 18:25

Instrument :

MSVOA_U

ClientSampleId :

E45A3

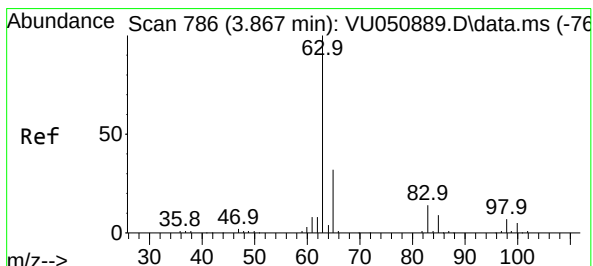
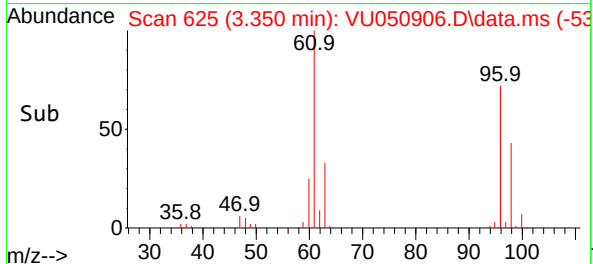
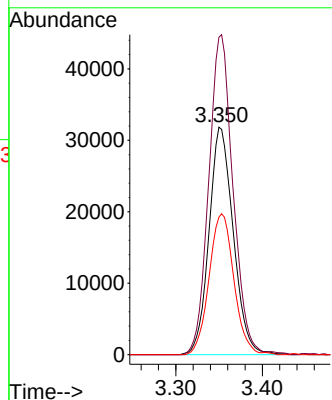
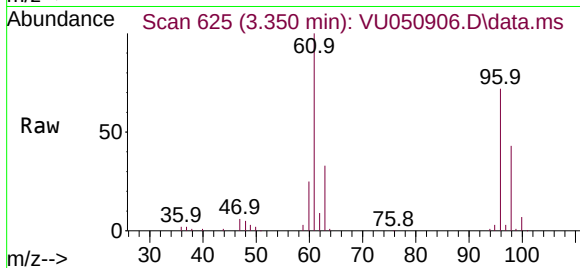
Tgt Ion: 96 Resp: 62005

Ion Ratio Lower Upper

96 100

61 139.6 98.0 182.0

98 60.4 44.3 82.3



#19

1,1-Dichloroethane

Concen: 3.621 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050906.D

Acq: 22 Sep 2022 18:25

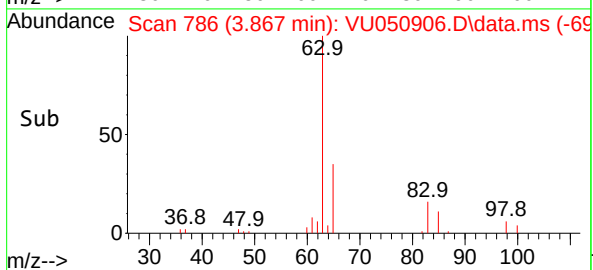
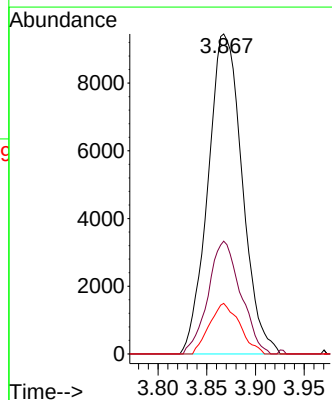
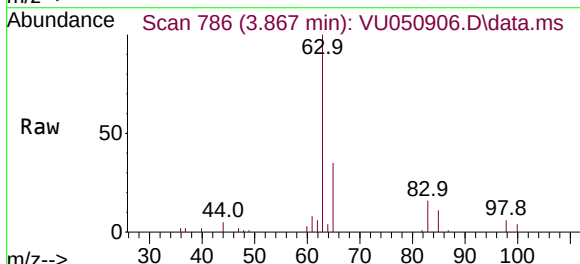
Tgt Ion: 63 Resp: 23094

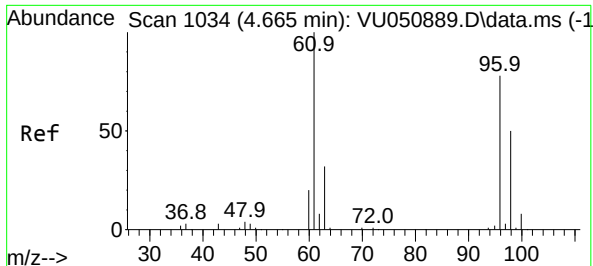
Ion Ratio Lower Upper

63 100

65 35.3 21.5 39.9

83 15.8 9.3 17.3



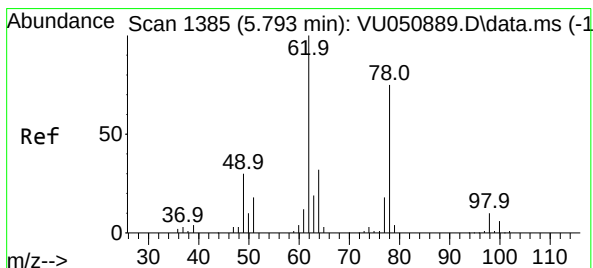
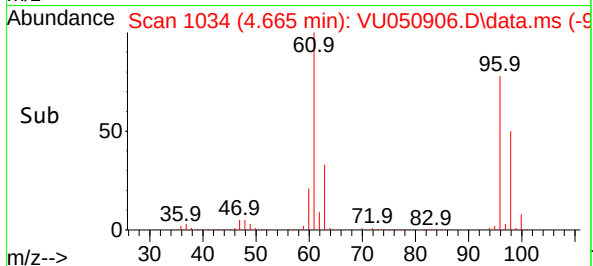
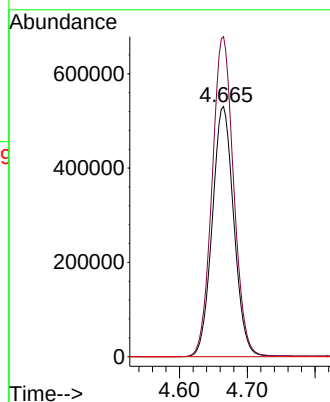
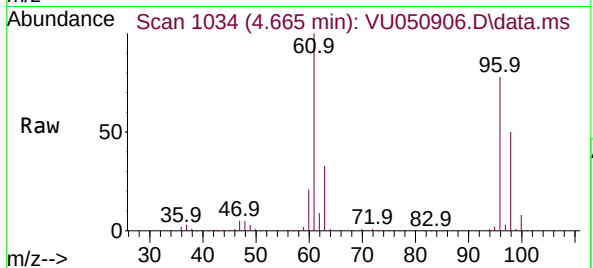


#20
 cis-1,2-Dichloroethene
 Concen: 335.008 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU050906.D
 Acq: 22 Sep 2022 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 E45A3

Tgt Ion: 96 Resp: 1172570

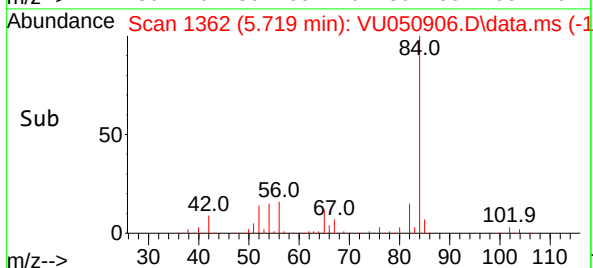
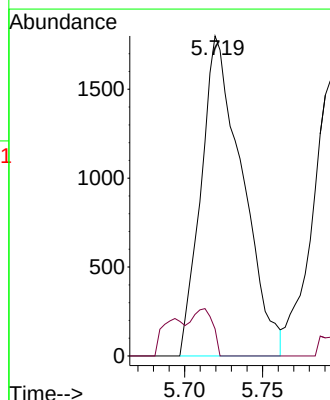
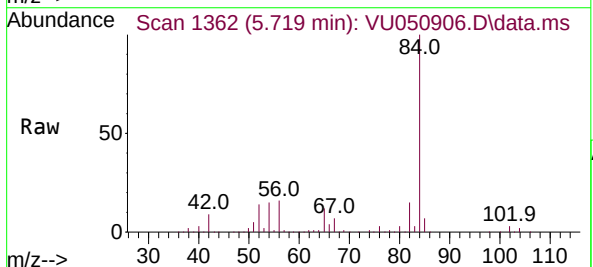
Ion	Ratio	Lower	Upper
96	100		
61	128.0	90.1	167.3
68	0.0	0.0	0.0

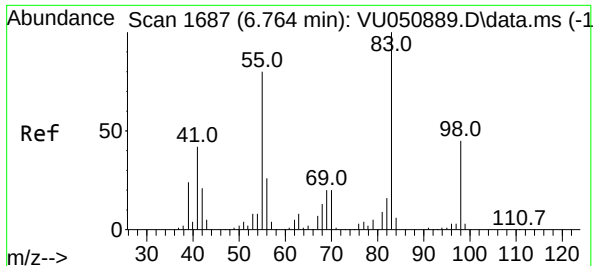


#27
 1,2-Dichloroethane
 Concen: 0.683 ug/L
 RT: 5.719 min Scan# 1362
 Delta R.T. -0.074 min
 Lab File: VU050906.D
 Acq: 22 Sep 2022 18:25

Tgt Ion: 62 Resp: 3299

Ion	Ratio	Lower	Upper
62	100		
98	8.4	7.4	11.0





#35

Methylcyclohexane

Concen: 1.328 ug/L

RT: 6.764 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050906.D

Acq: 22 Sep 2022 18:25

Instrument :

MSVOA_U

ClientSampleId :

E45A3

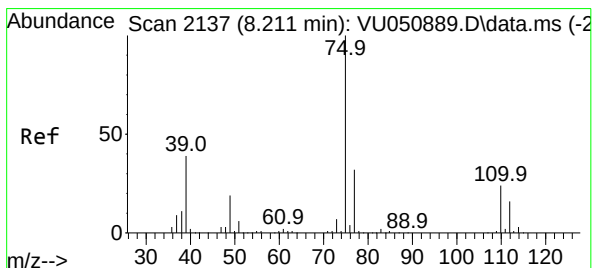
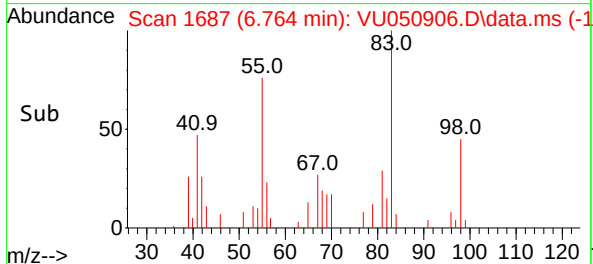
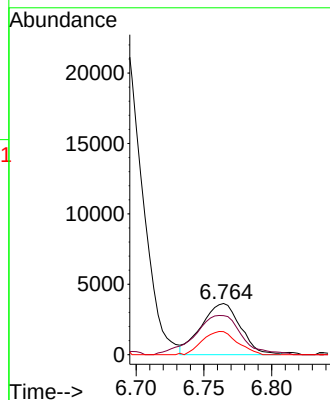
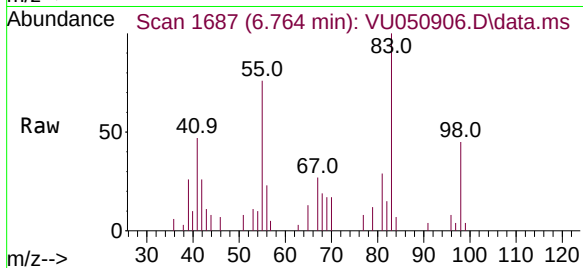
Tgt Ion: 83 Resp: 7300

Ion Ratio Lower Upper

83 100

55 90.6 64.7 97.1

98 40.3 35.2 52.8



#44

trans-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 8.173 min Scan# 2125

Delta R.T. -0.038 min

Lab File: VU050906.D

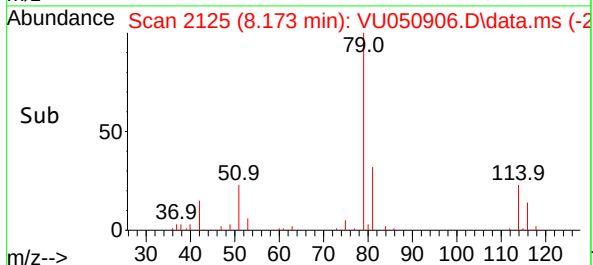
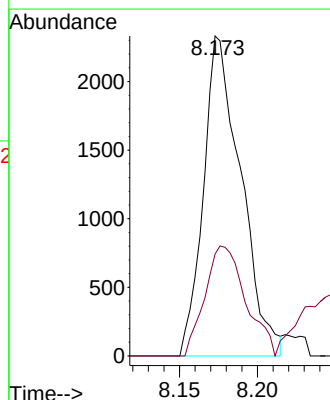
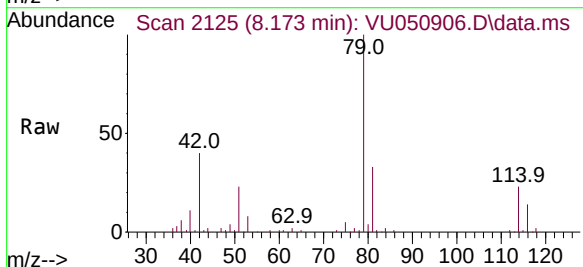
Acq: 22 Sep 2022 18:25

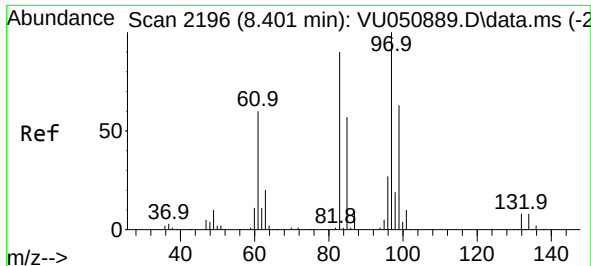
Tgt Ion: 75 Resp: 3901

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7

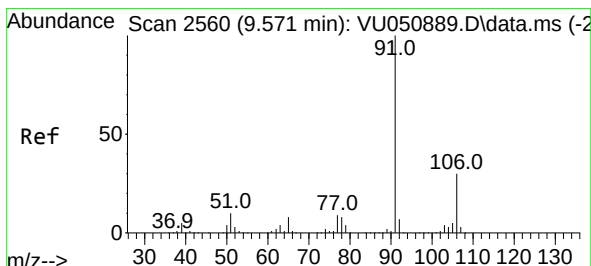
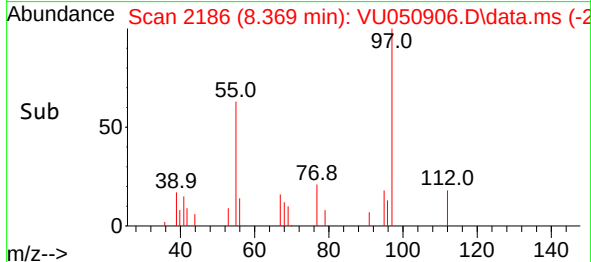
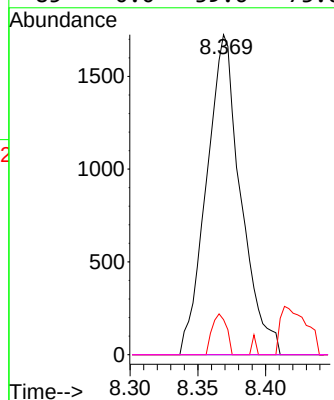
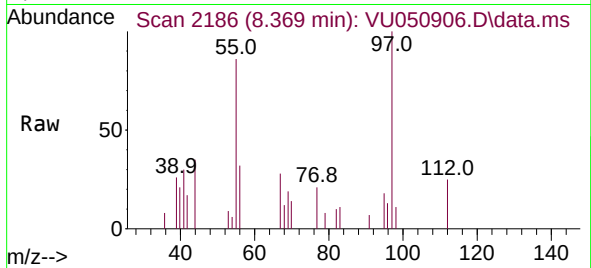




#45
1,1,2-Trichloroethane
Concen: 0.817 ug/L
RT: 8.369 min Scan# 2196
Delta R.T. -0.032 min
Lab File: VU050906.D
Acq: 22 Sep 2022 18:25

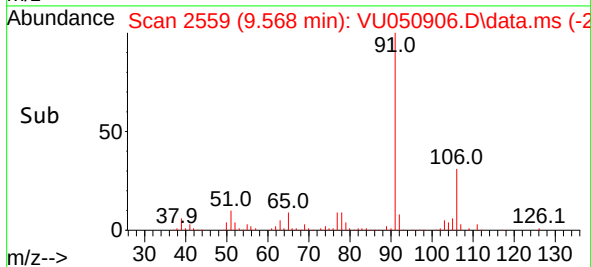
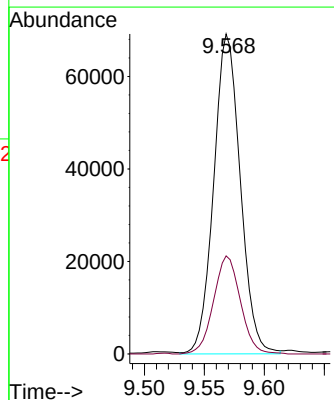
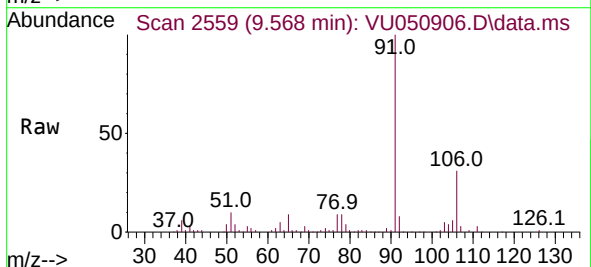
Instrument :
MSVOA_U
ClientSampleId :
E45A3

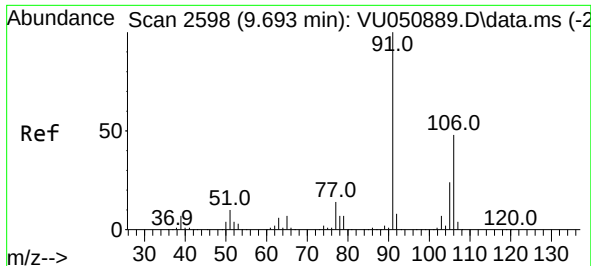
Tgt Ion:	97	Resp:	3026
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.8	81.4#
83	11.0	62.6	116.3#
85	0.0	39.6	73.6#



#52
Ethylbenzene
Concen: 7.314 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU050906.D
Acq: 22 Sep 2022 18:25

Tgt Ion:	91	Resp:	106416
Ion	Ratio	Lower	Upper
91	100		
106	30.6	21.0	39.0

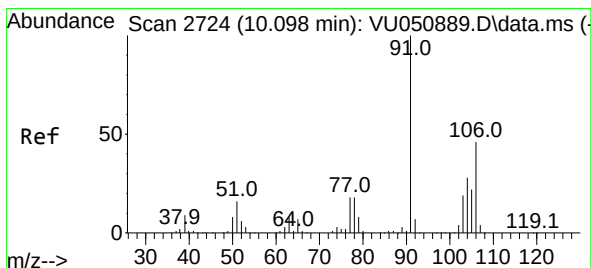
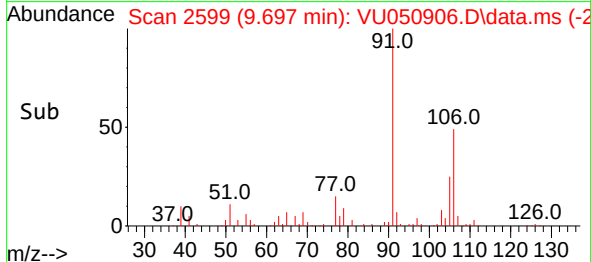
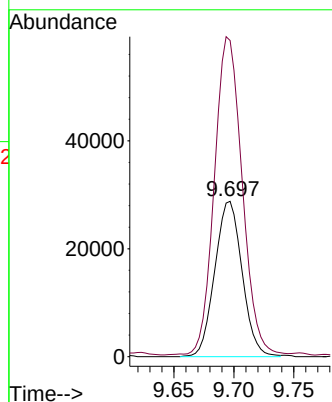
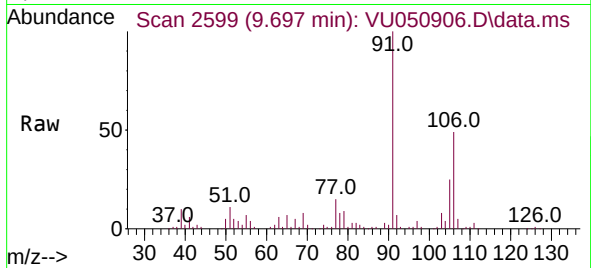




#53
m,p-Xylene
Concen: 8.424 ug/L
RT: 9.697 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050906.D
Acq: 22 Sep 2022 18:25

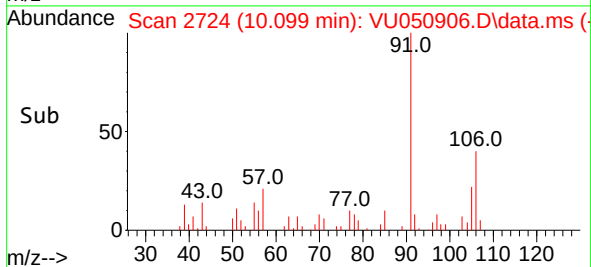
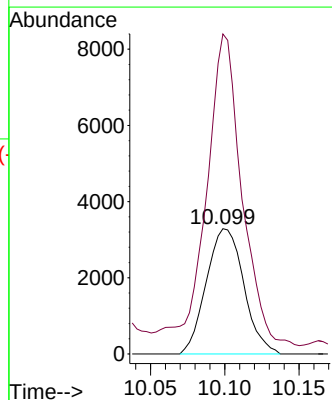
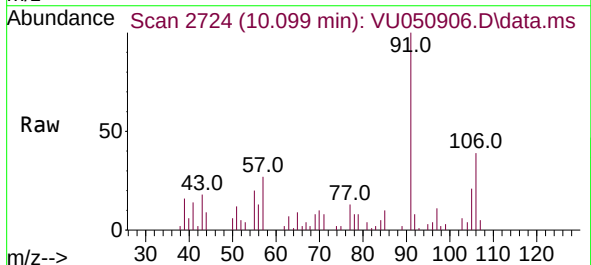
Instrument :
MSVOA_U
ClientSampleId :
E45A3

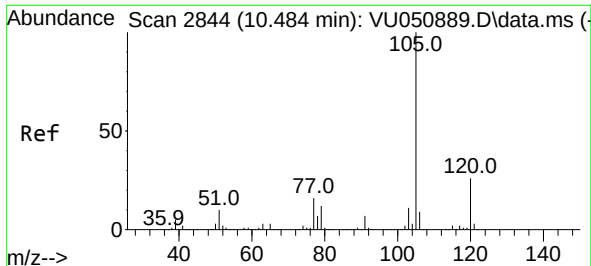
Tgt Ion:106 Resp: 45565
Ion Ratio Lower Upper
106 100
91 203.4 144.0 267.4



#54
o-Xylene
Concen: 1.072 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU050906.D
Acq: 22 Sep 2022 18:25

Tgt Ion:106 Resp: 5779
Ion Ratio Lower Upper
106 100
91 255.3 154.6 287.0

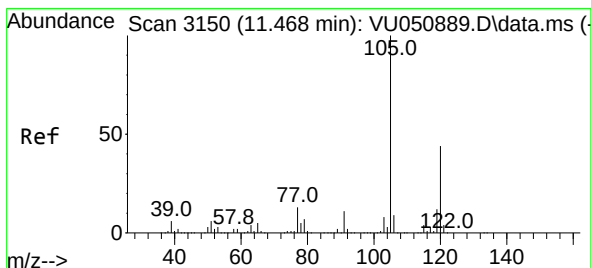
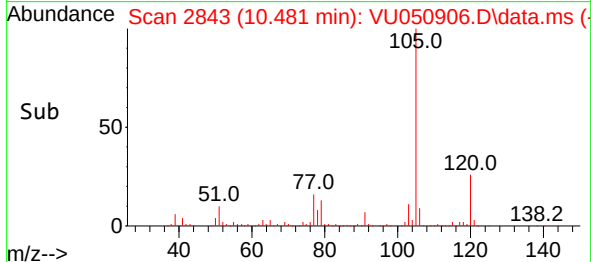
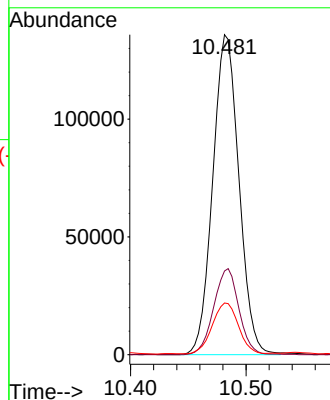
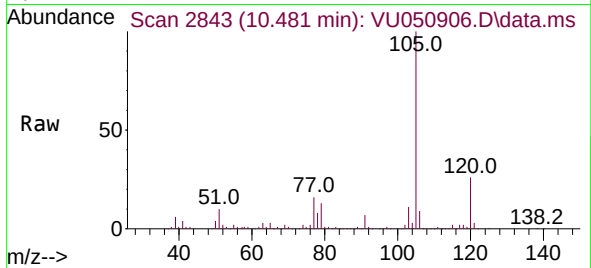




#61
Isopropylbenzene
Concen: 15.065 ug/L
RT: 10.481 min Scan# 214184
Delta R.T. -0.003 min
Lab File: VU050906.D
Acq: 22 Sep 2022 18:25

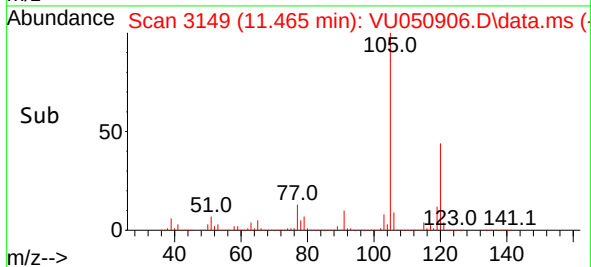
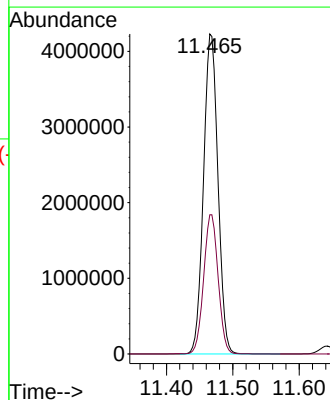
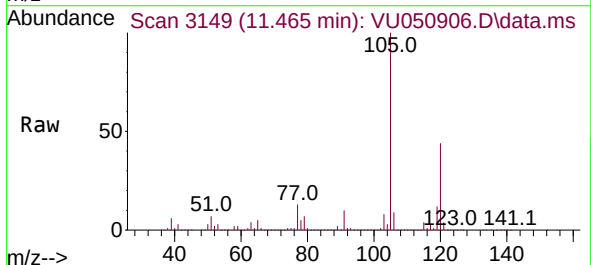
Instrument :
MSVOA_U
ClientSampleId :
E45A3

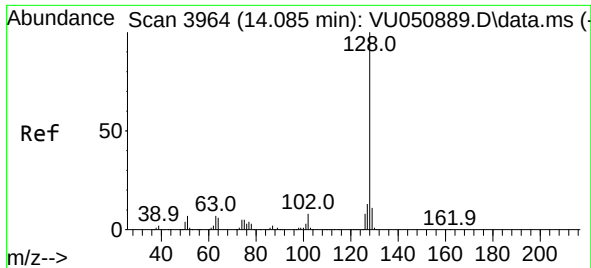
Tgt Ion:105 Resp: 214184
Ion Ratio Lower Upper
105 100
120 25.8 20.5 30.7
77 16.0 12.9 19.3



#63
1,2,4-Trimethylbenzene
Concen: 551.372 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU050906.D
Acq: 22 Sep 2022 18:25

Tgt Ion:105 Resp: 6381499
Ion Ratio Lower Upper
105 100
120 43.7 34.9 52.3





#71

Naphthalene

Concen: 10.528 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU050906.D

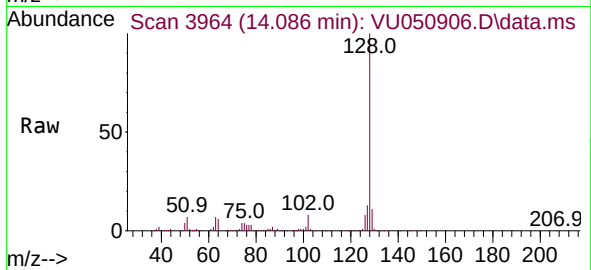
Acq: 22 Sep 2022 18:25

Instrument :

MSVOA_U

ClientSampleId :

E45A3



Tgt Ion:	128	Resp:	150611
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.8	8.5	12.7

