

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063021\
 Data File : VU044271.D
 Acq On : 30 Jun 2021 19:40
 Operator : SY/MD
 Sample : M2905-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 01 02:40:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 01 02:36:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	158060	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	148525	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	81556	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	34045	3.978	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.919	69	36221	4.299	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.000%
11) 1,1-Dichloroethene-d2	2.575	65	18476	4.206	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.649	46	157519	49.985	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.960%
24) Chloroform-d	5.073	84	88734	4.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.710	65	51308	4.455	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.735	84	173963	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.700	67	56975	4.766	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.906	98	166669	4.869	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
43) trans-1,3-Dichloroprop...	8.185	79	23359	4.213	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.642	63	132031	49.991	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.980%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	49241	4.633	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	12.198	152	69365	5.162	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.581	96	1067	0.117	ug/L #	1
13) Acetone	2.655	43	2208	1.567	ug/L	76
18) trans-1,2-Dichloroethene	3.362	96	2317	0.239	ug/L	95
22) cis-1,2-Dichloroethene	4.677	96	64641	6.081	ug/L	92
33) Benzene	5.780	78	29477	0.757	ug/L	100
34) Trichloroethene	6.549	95	129851	12.306	ug/L	94
35) Methylcyclohexane	6.700	83	14081	0.808	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	6393	0.621	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1763	0.104	ug/L #	77
42) Toluene	7.976	91	3468	0.081	ug/L	87
45) 1,1,2-Trichloroethane	8.558	97	7684	0.992	ug/L #	1
47) Tetrachloroethene	8.562	164	916709	117.510	ug/L	96
48) 2-Hexanone	8.642	43	18481	3.171	ug/L #	63
49) Dibromochloromethane	8.558	129	860136	87.494	ug/L #	11
51) Chlorobenzene	9.452	112	155244	5.649	ug/L	98
54) o-Xylene	10.105	106	4653	0.255	ug/L	100
60) Isopropylbenzene	10.491	105	22120	0.446	ug/L	98
61) 1,2,3-Trichloropropane	11.819	75	10553	1.433	ug/L #	74
63) 1,2,4-Trimethylbenzene	11.471	105	3040	0.069	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 01 02:36:13 2021
Response via : Initial Calibration

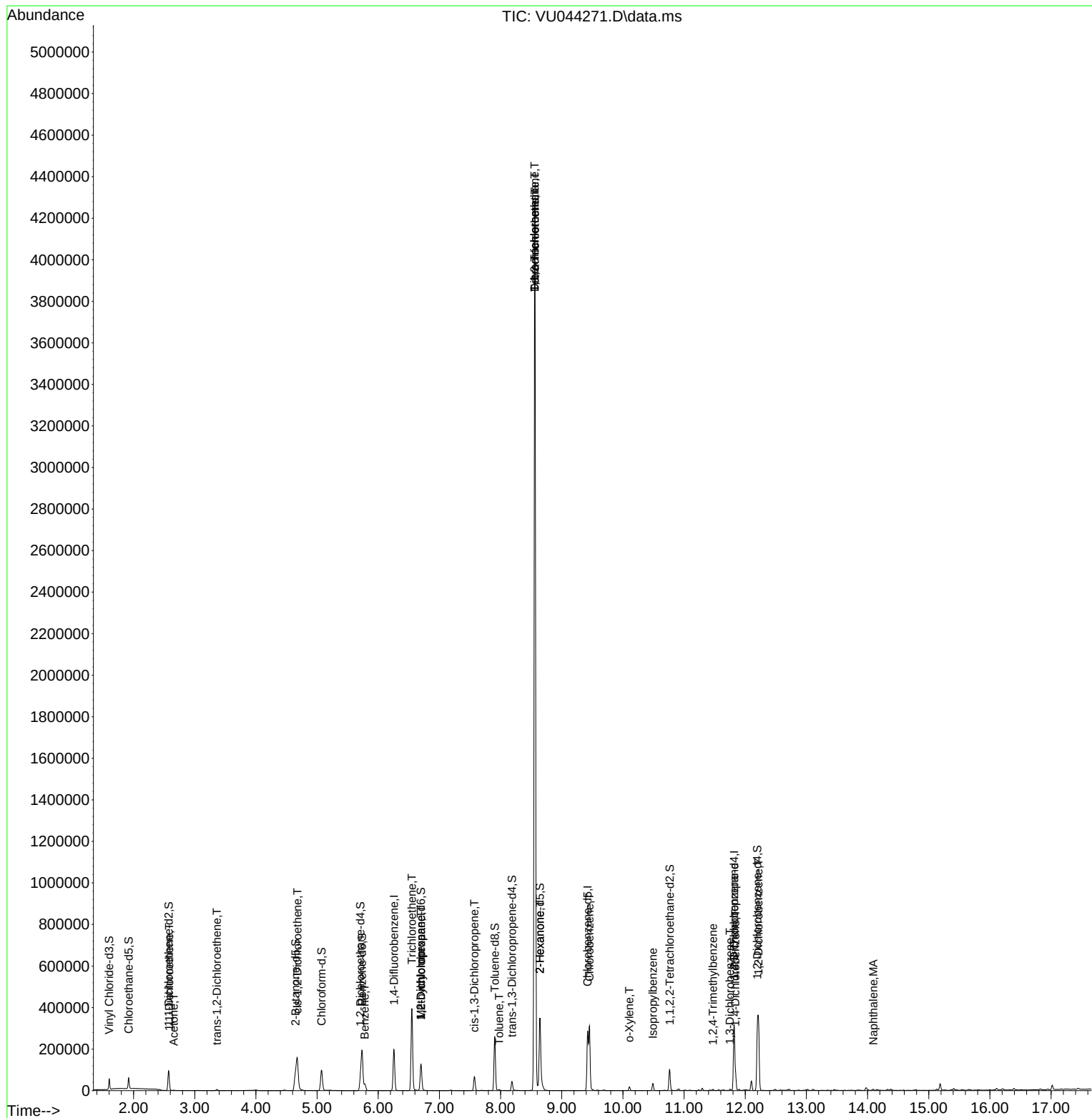
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.751	146	2642	0.118	ug/L	96
65) 1,4-Dichlorobenzene	11.841	146	25936	1.149	ug/L	98
67) 1,2-Dichlorobenzene	12.217	146	108860	5.171	ug/L	99
71) Naphthalene	14.095	128	3642	0.139	ug/L #	93

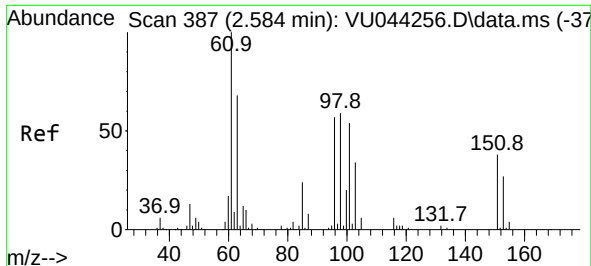
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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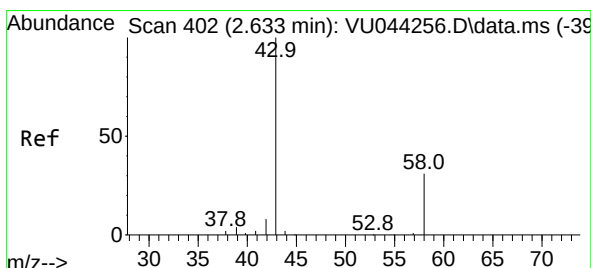
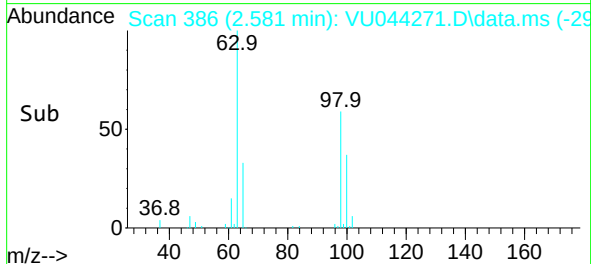
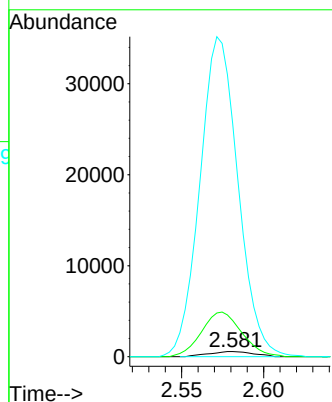
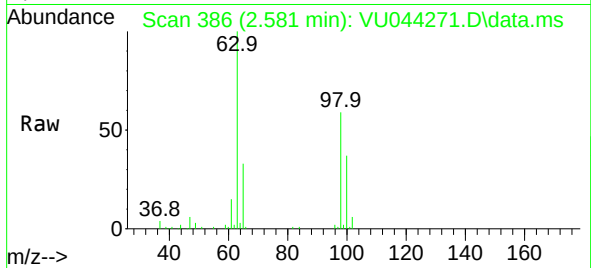




#12
1,1-Dichloroethene
Concen: 0.117 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

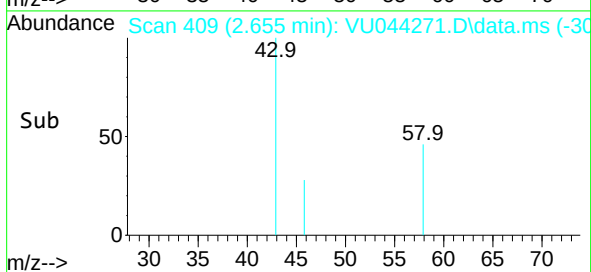
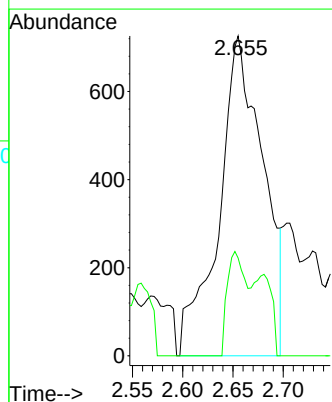
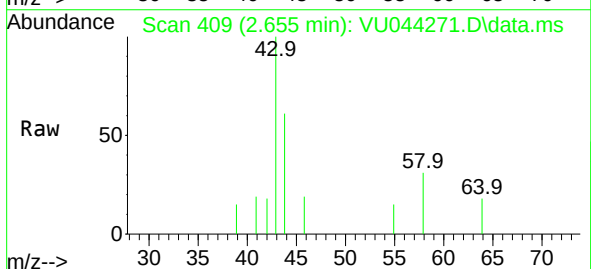
Instrument :
MSVOA_U
ClientSampled :

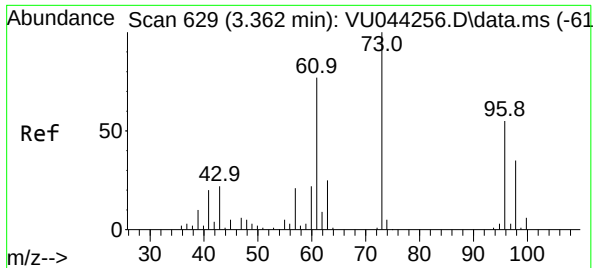
Tgt Ion: 96 Resp: 1067
Ion Ratio Lower Upper
96 100
61 695.6 128.6 238.8#
63 4489.0 84.3 156.5#



#13
Acetone
Concen: 1.567 ug/L
RT: 2.655 min Scan# 409
Delta R.T. 0.022 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
58 14.5 0.0 53.8

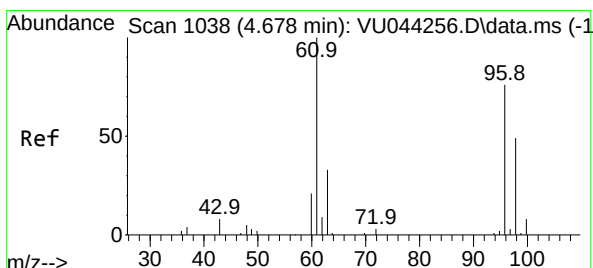
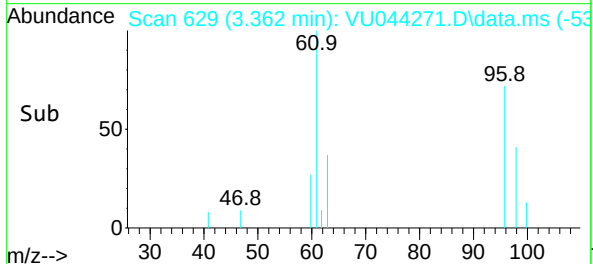
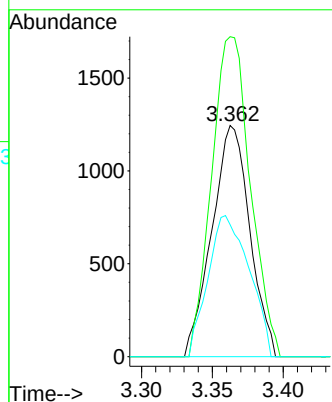
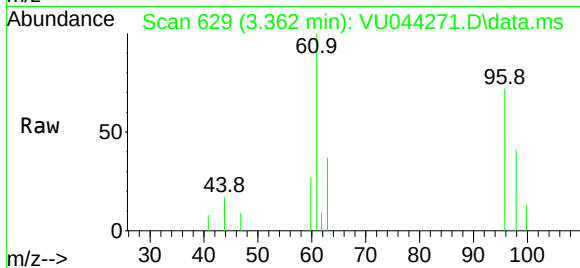




#18
trans-1,2-Dichloroethene
Concen: 0.239 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

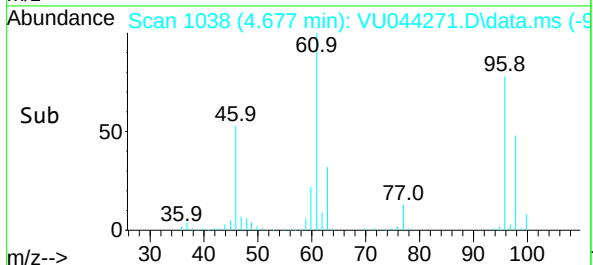
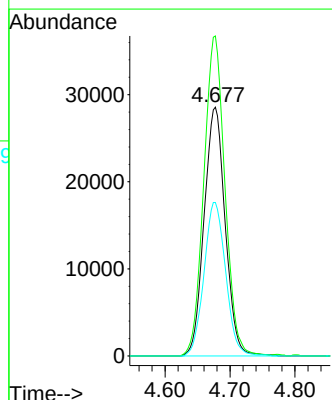
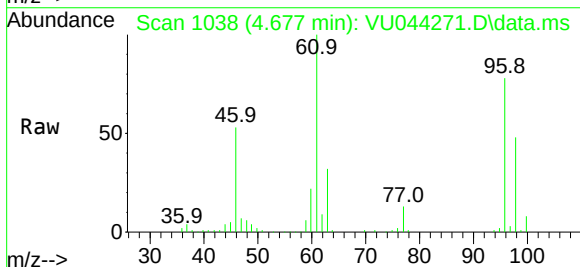
Instrument :
MSVOA_U
ClientSampleId :

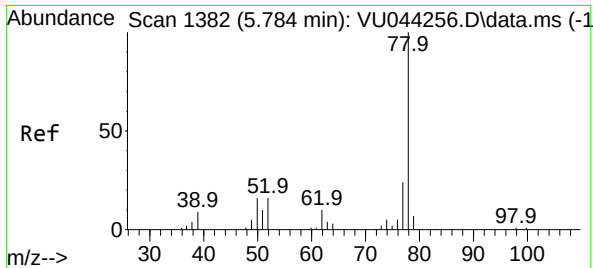
Tgt Ion:	96	Resp:	2317
Ion	Ratio	Lower	Upper
96	100		
61	138.4	100.2	186.2
98	57.1	44.9	83.5



#22
cis-1,2-Dichloroethene
Concen: 6.081 ug/L
RT: 4.677 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

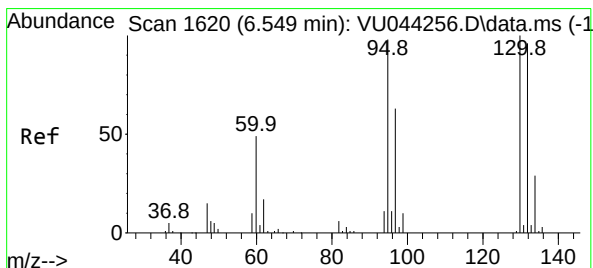
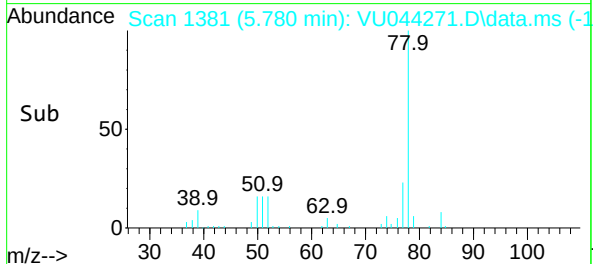
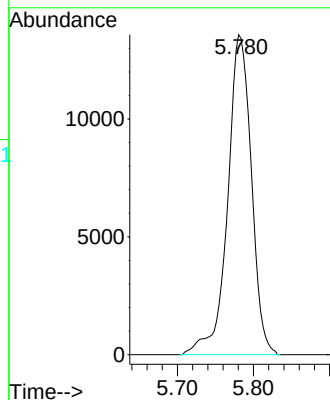
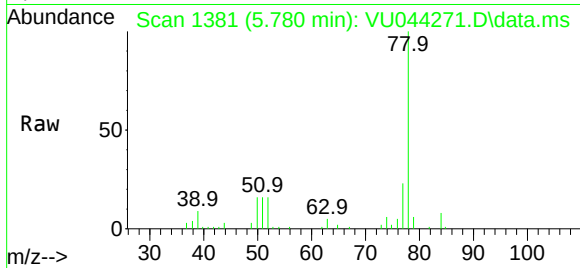
Tgt Ion:	96	Resp:	64641
Ion	Ratio	Lower	Upper
96	100		
61	128.6	98.8	183.6
98	61.7	44.8	83.2





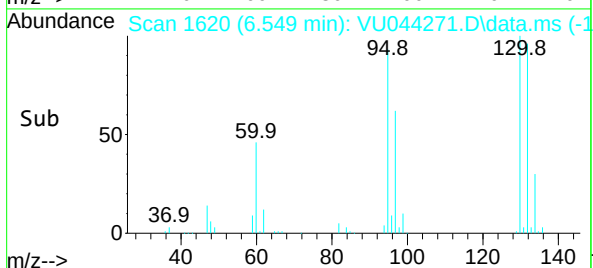
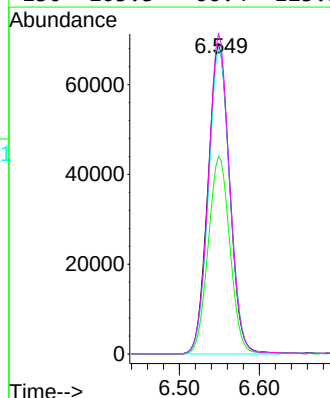
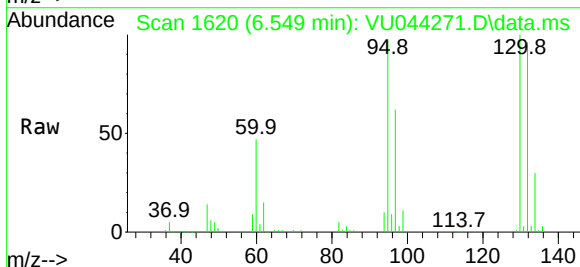
#33
Benzene
Concen: 0.757 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40
Tgt Ion: 78 Resp: 29477

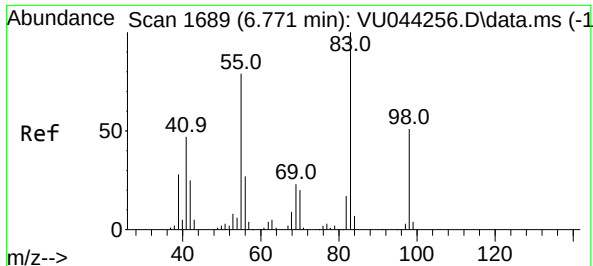
Instrument :
MSVOA_U
ClientSampled :



#34
Trichloroethene
Concen: 12.306 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40
Tgt Ion: 95 Resp: 129851

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.3	82.3
132	98.8	64.3	119.5
130	103.3	66.4	123.2

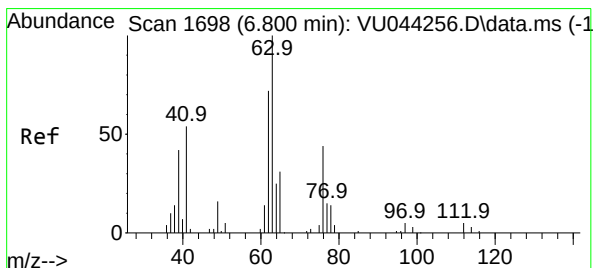
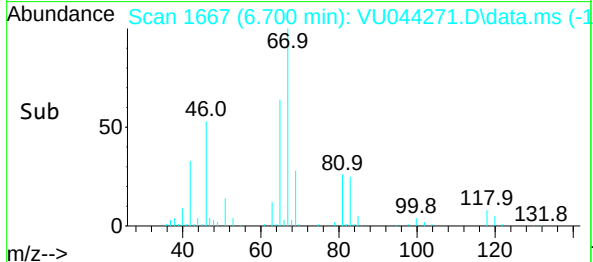
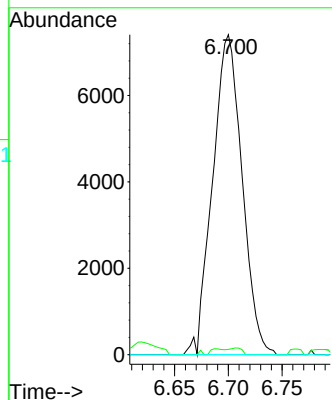
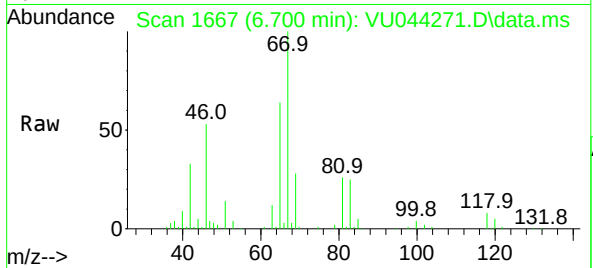




#35
Methylcyclohexane
Concen: 0.808 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

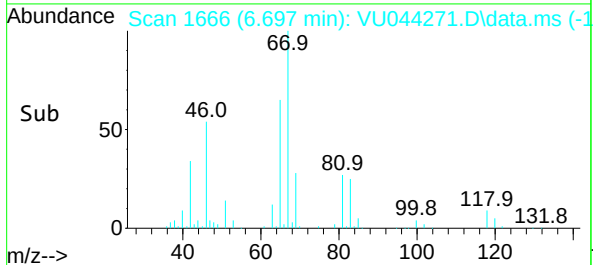
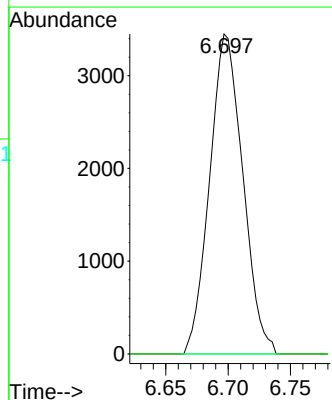
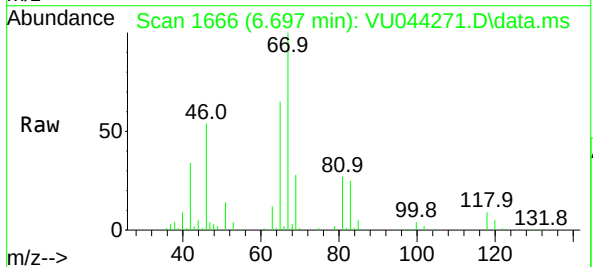
Instrument :
MSVOA_U
ClientSampleId :

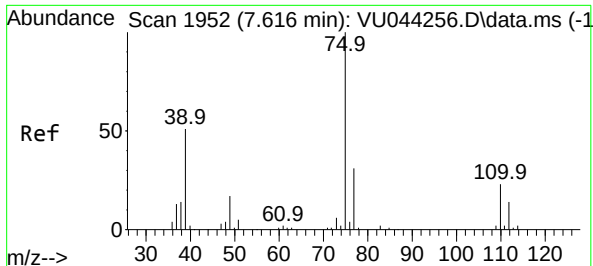
Tgt Ion: 83 Resp: 14081
Ion Ratio Lower Upper
83 100
55 0.9 63.4 95.0#
98 0.0 39.4 59.0#



#37
1,2-Dichloropropane
Concen: 0.621 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

Tgt Ion: 63 Resp: 6393
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



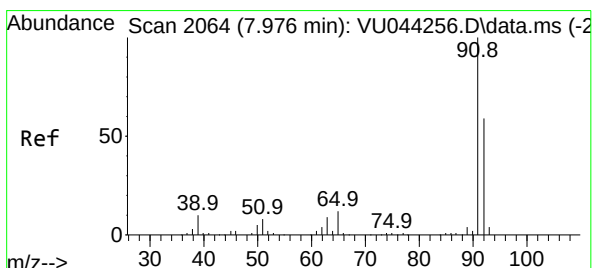
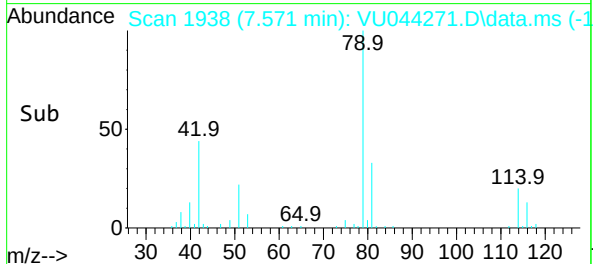
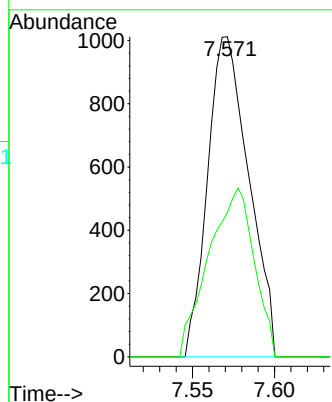
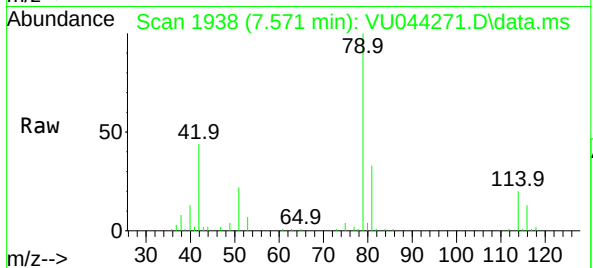


#39

cis-1,3-Dichloropropene
Concen: 0.104 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

Instrument :
MSVOA_U
ClientSampled :

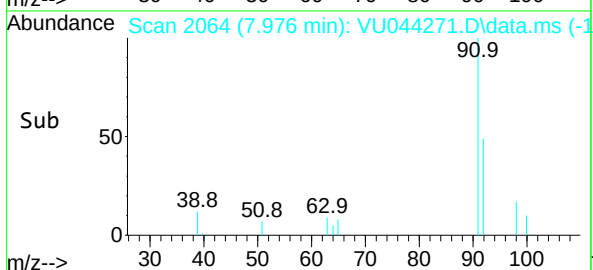
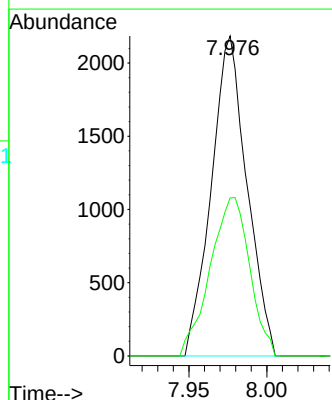
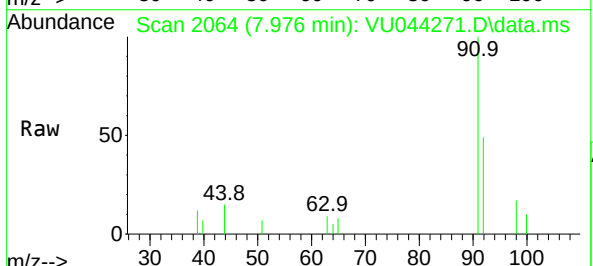
Tgt Ion: 75 Resp: 1763
Ion Ratio Lower Upper
75 100
77 45.1 22.5 41.7#

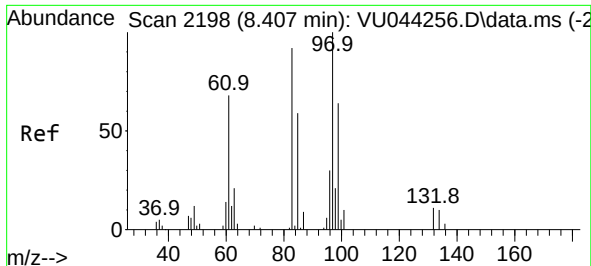


#42

Toluene
Concen: 0.081 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

Tgt Ion: 91 Resp: 3468
Ion Ratio Lower Upper
91 100
92 49.4 41.2 76.6





#45

1,1,2-Trichloroethane

Concen: 0.992 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. 0.151 min

Lab File: VU044271.D

Acq: 30 Jun 2021 19:40

Tgt Ion: 97 Resp: 7684

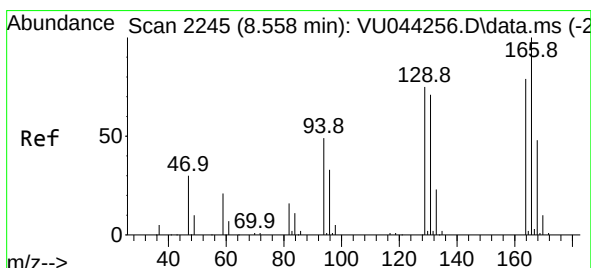
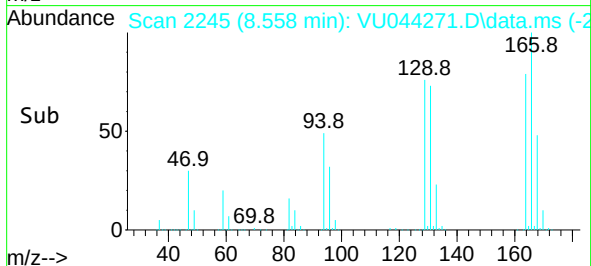
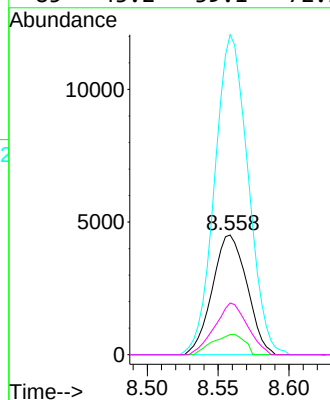
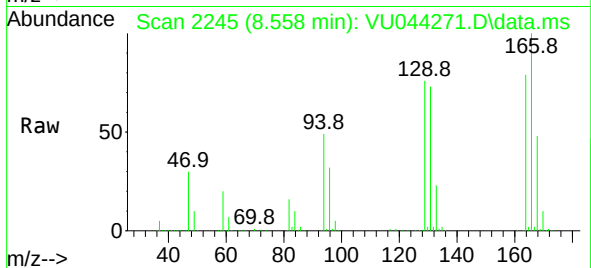
Ion Ratio Lower Upper

97 100

99 16.9 42.8 79.4#

83 267.3 59.9 111.3#

85 43.2 39.1 72.5



#47

Tetrachloroethene

Concen: 117.510 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. 0.003 min

Lab File: VU044271.D

Acq: 30 Jun 2021 19:40

Tgt Ion:164 Resp: 916709

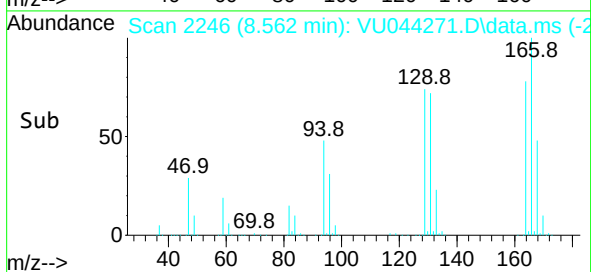
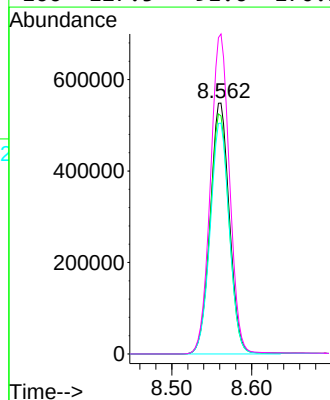
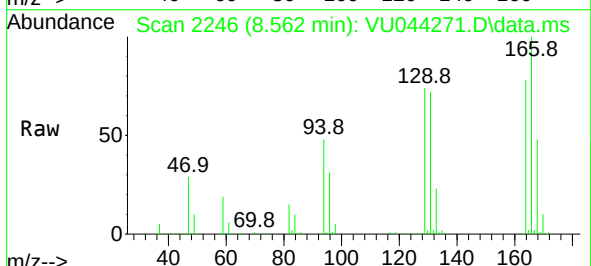
Ion Ratio Lower Upper

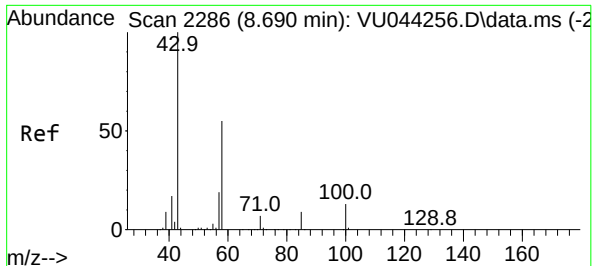
164 100

129 94.9 71.8 133.4

131 92.0 66.4 123.2

166 127.5 91.6 170.2

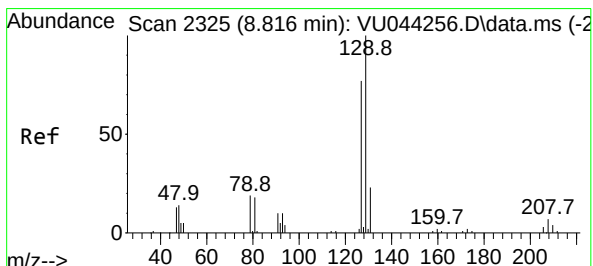
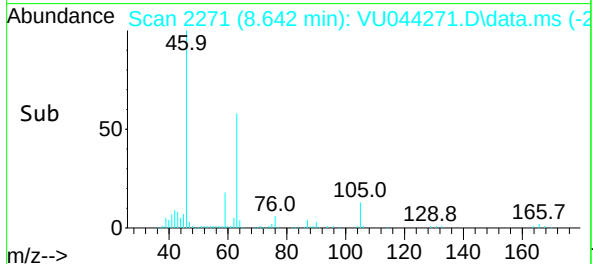
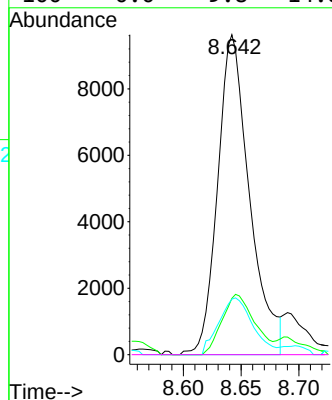
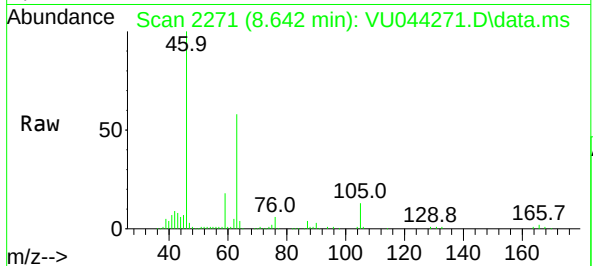




#48
2-Hexanone
Concen: 3.171 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.048 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

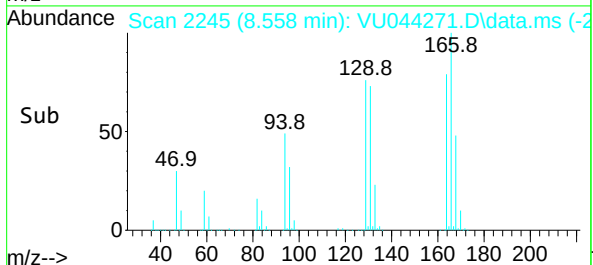
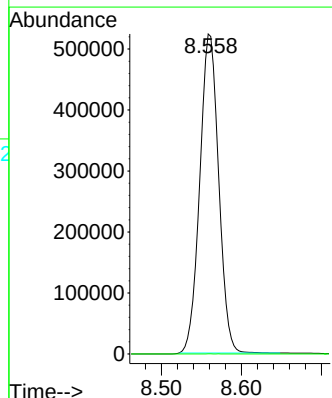
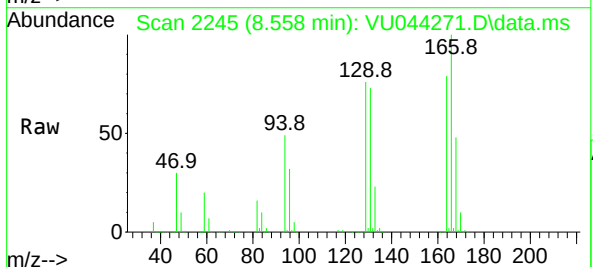
Instrument :
MSVOA_U
ClientSampleId :

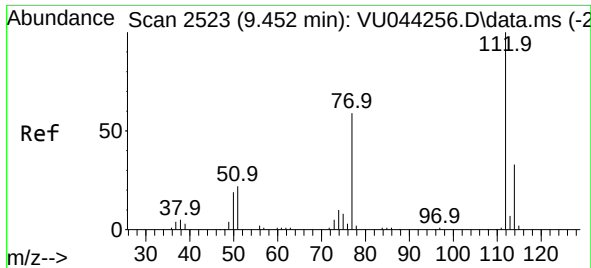
Tgt Ion: 43 Resp: 18481
Ion Ratio Lower Upper
43 100
58 19.3 44.7 67.1#
57 18.9 15.7 23.5
100 0.0 9.8 14.8#



#49
Dibromochloromethane
Concen: 87.494 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.257 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

Tgt Ion: 129 Resp: 860136
Ion Ratio Lower Upper
129 100
127 0.1 53.6 99.6#

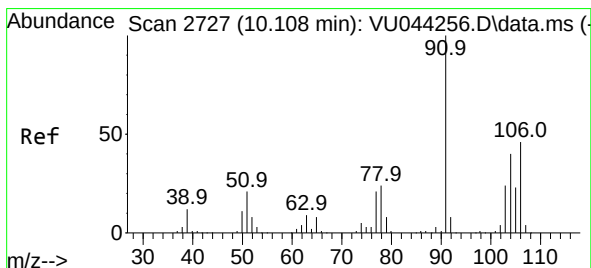
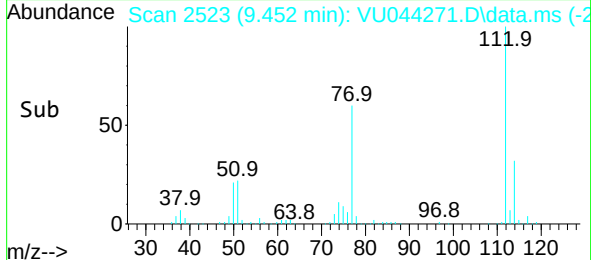
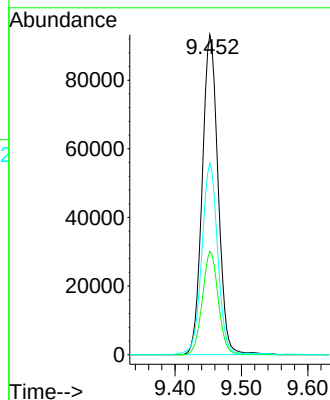
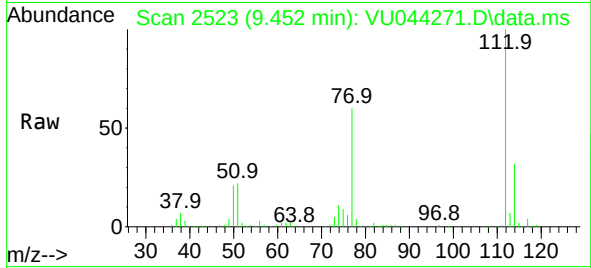




#51
Chlorobenzene
Concen: 5.649 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

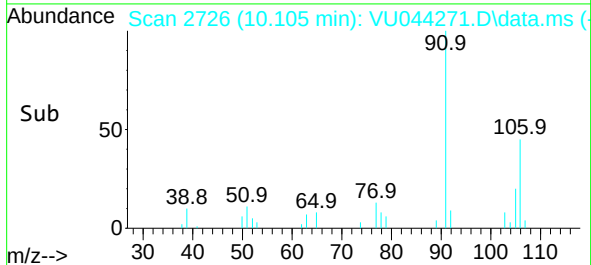
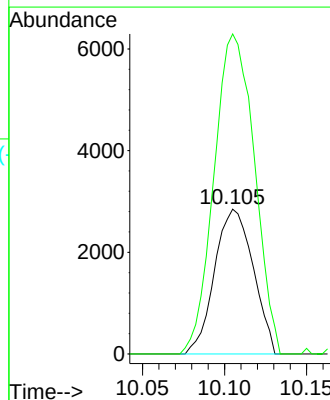
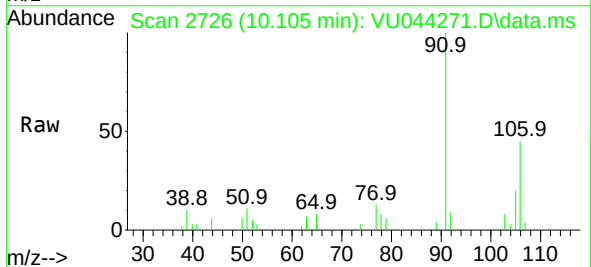
Instrument :
MSVOA_U
ClientSampled :

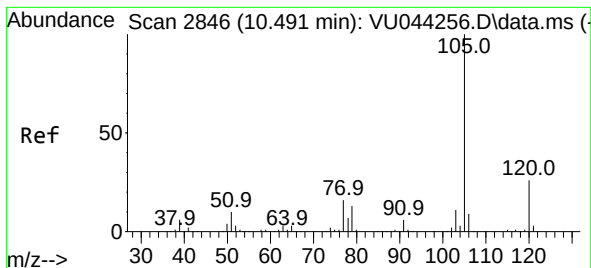
Tgt Ion:112 Resp: 155244
Ion Ratio Lower Upper
112 100
114 32.3 22.0 41.0
77 59.8 48.9 73.3



#54
o-Xylene
Concen: 0.255 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

Tgt Ion:106 Resp: 4653
Ion Ratio Lower Upper
106 100
91 220.9 154.8 287.4

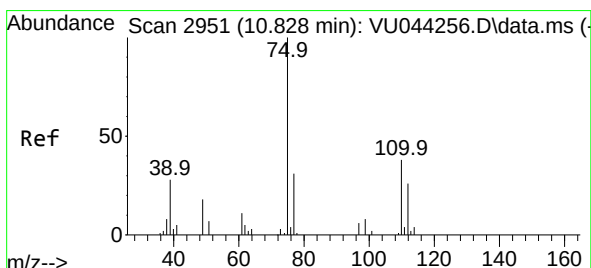
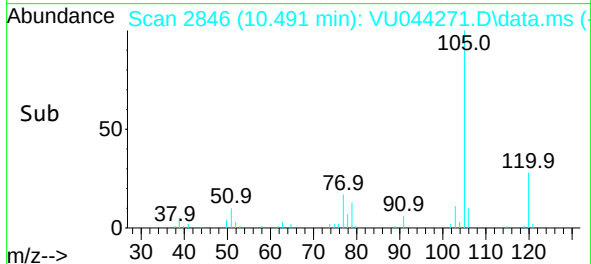
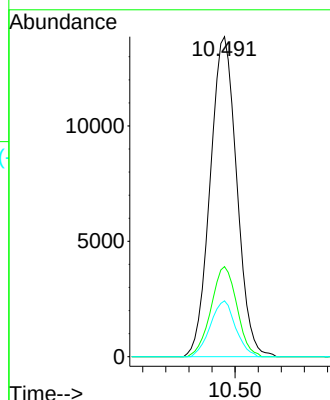
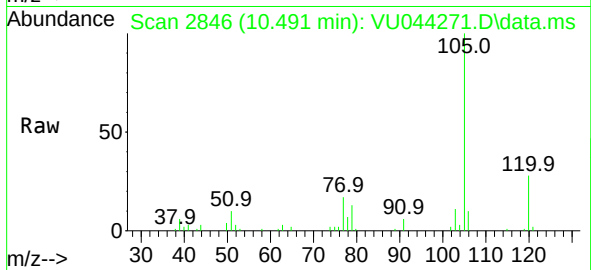




#60
Isopropylbenzene
Concen: 0.446 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

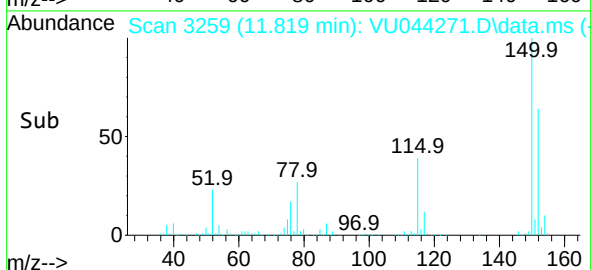
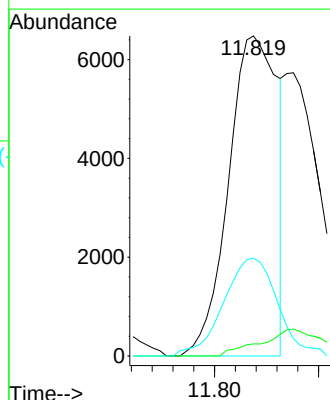
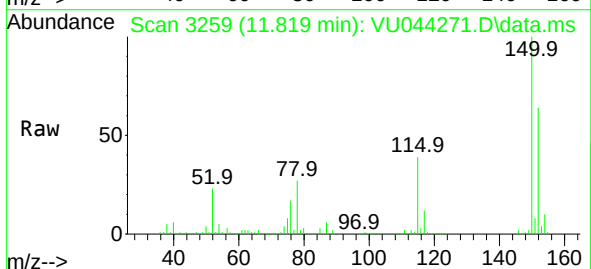
Instrument :
MSVOA_U
ClientSampled :

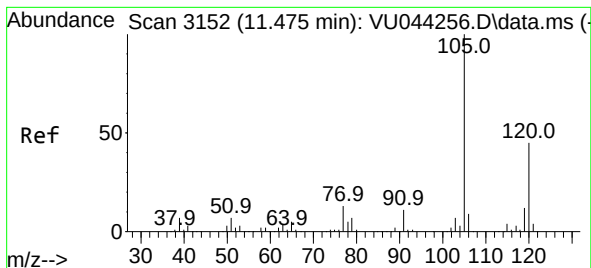
Tgt Ion:105 Resp: 22120
Ion Ratio Lower Upper
105 100
120 27.4 20.7 31.1
77 16.6 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 1.433 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.990 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

Tgt Ion: 75 Resp: 10553
Ion Ratio Lower Upper
75 100
110 9.9 30.5 45.7#
77 33.8 26.1 39.1

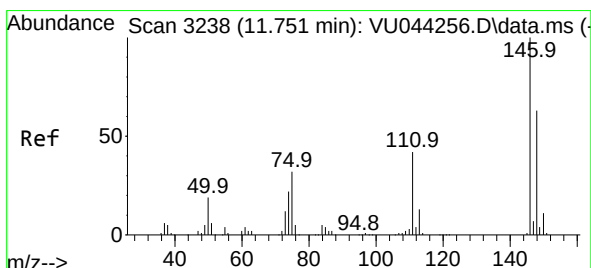
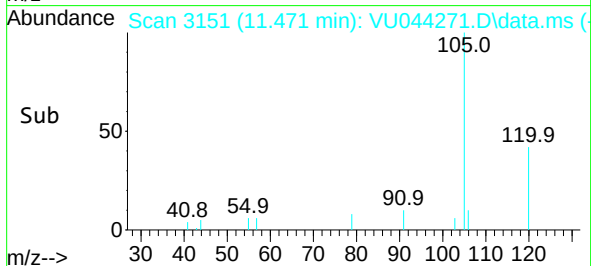
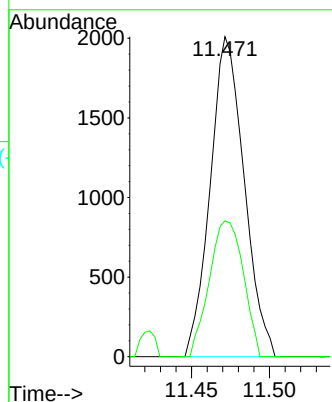
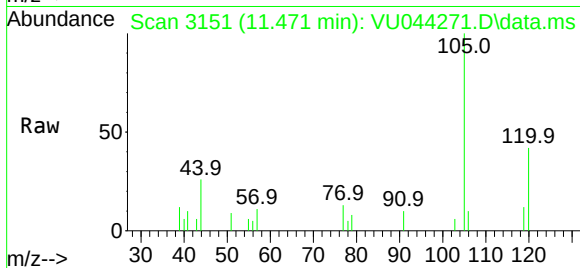




#63
1,2,4-Trimethylbenzene
Concen: 0.069 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

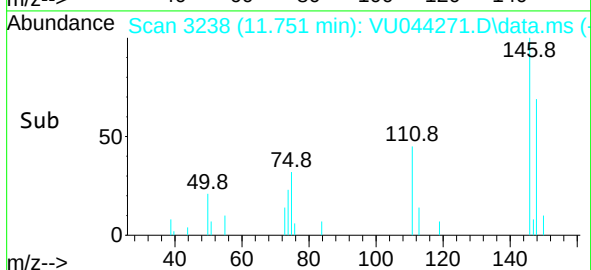
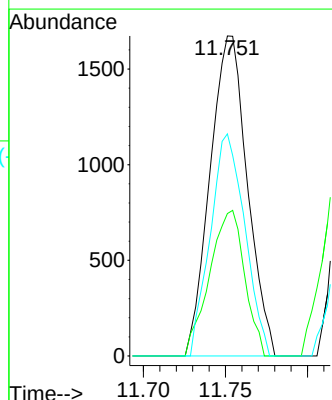
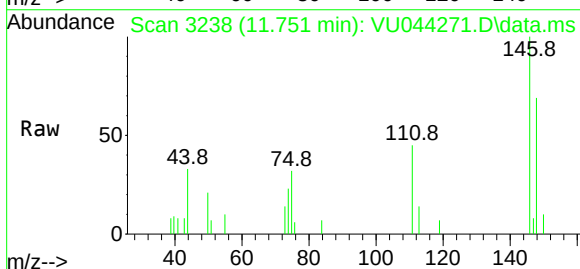
Instrument :
MSVOA_U
ClientSampled :

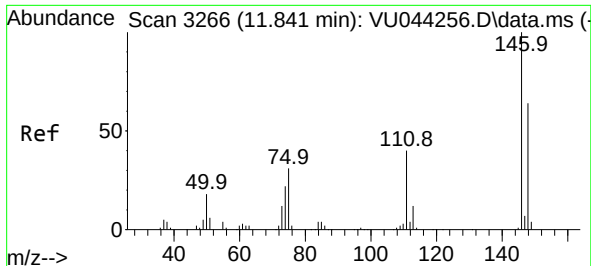
Tgt Ion:105 Resp: 3040
Ion Ratio Lower Upper
105 100
120 42.5 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 0.118 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

Tgt Ion:146 Resp: 2642
Ion Ratio Lower Upper
146 100
111 44.5 29.8 55.3
148 69.4 45.8 85.2

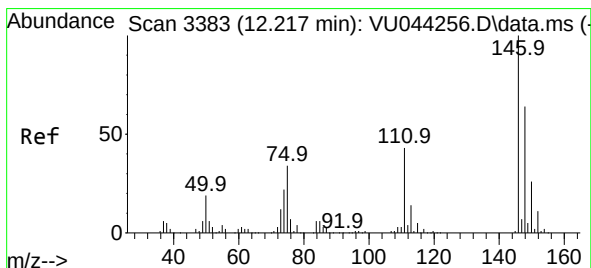
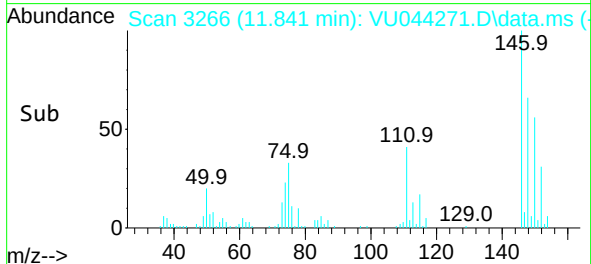
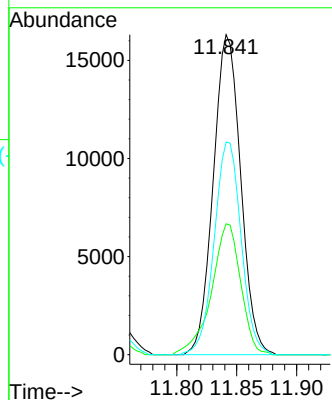
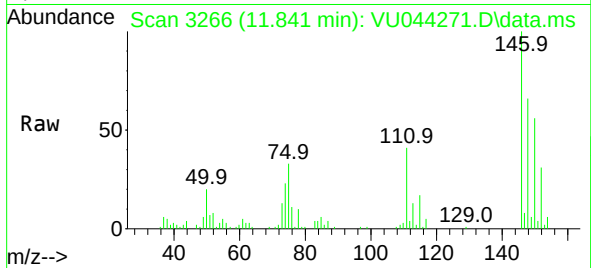




#65
1,4-Dichlorobenzene
Concen: 1.149 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.000 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

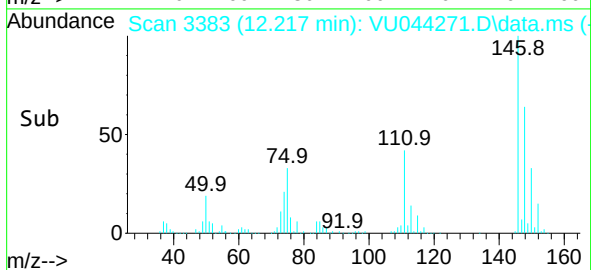
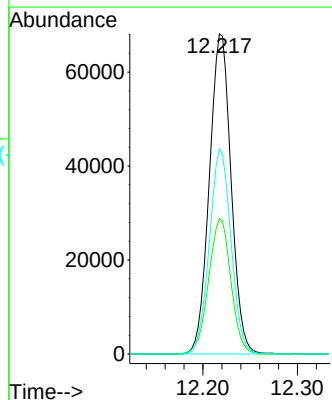
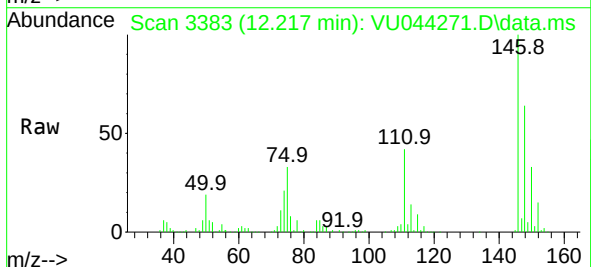
Instrument :
MSVOA_U
ClientSampleId :

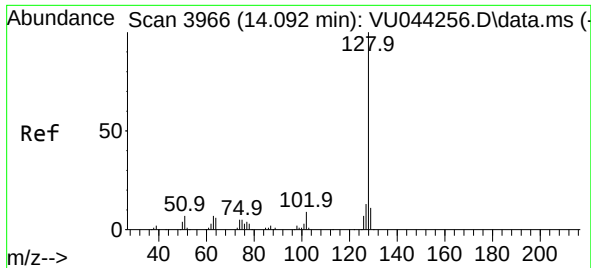
Tgt Ion:146 Resp: 25936
Ion Ratio Lower Upper
146 100
111 40.9 28.2 52.4
148 66.5 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 5.171 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

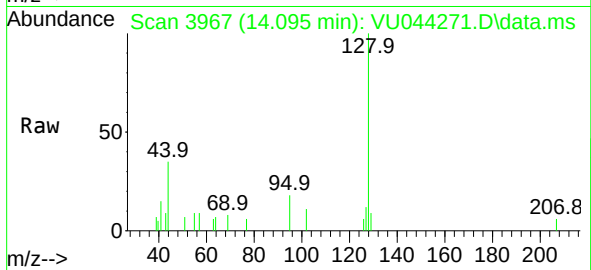
Tgt Ion:146 Resp: 108860
Ion Ratio Lower Upper
146 100
111 42.2 35.0 52.6
148 64.0 51.2 76.8





#71
Naphthalene
Concen: 0.139 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044271.D
Acq: 30 Jun 2021 19:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 3642
Ion Ratio Lower Upper
128 100
129 9.3 8.9 13.3
127 9.5 10.3 15.5#

