

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102021\
 Data File : VU045339.D
 Acq On : 20 Oct 2021 11:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 21 01:54:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 20 02:57:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	315446	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	306377	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	155056	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	59056	42.976	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.960%
7) Chloroethane-d5	1.890	69	58552	44.589	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.180%
11) 1,1-Dichloroethene-d2	2.565	63	122901	44.917	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.840%
21) 2-Butanone-d5	4.626	46	201196	98.089	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.090%
24) Chloroform-d	5.067	84	175378	47.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.980%
26) 1,2-Dichloroethane-d4	5.706	65	117946	47.214	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.420%
32) Benzene-d6	5.729	84	282095	48.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.900%
36) 1,2-Dichloropropane-d6	6.694	67	111816	49.917	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.840%
41) Toluene-d8	7.902	98	238264	48.475	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.960%
43) trans-1,3-Dichloroprop...	8.182	79	57808	50.841	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.680%
47) 2-Hexanone-d5	8.639	63	155358	110.535	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.540%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	227267	53.667	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.340%
66) 1,2-Dichlorobenzene-d4	12.198	152	138532	51.494	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	104115	45.275	ug/L	99
3) Chloromethane	1.520	50	116608	44.810	ug/L	100
5) Vinyl chloride	1.604	62	128521	44.651	ug/L	99
6) Bromomethane	1.829	94	53504	35.128	ug/L	98
8) Chloroethane	1.912	64	85183	47.113	ug/L	97
9) Trichlorofluoromethane	2.125	101	155516	44.419	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	103314	46.428	ug/L	99
12) 1,1-Dichloroethene	2.575	96	93920	45.783	ug/L	97
13) Acetone	2.629	43	191658	80.251	ug/L	100
14) Carbon disulfide	2.790	76	253508	44.957	ug/L	99
15) Methyl Acetate	2.951	43	134922	45.561	ug/L	100
16) Methylene chloride	3.047	84	121881	46.131	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	100716	45.766	ug/L	95
18) Methyl tert-butyl Ether	3.369	73	372486	48.537	ug/L	99
19) 1,1-Dichloroethane	3.871	63	210781	46.807	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	120734	47.892	ug/L	99
22) 2-Butanone	4.706	43	229840	87.268	ug/L	100
23) Bromochloromethane	4.977	128	58034	46.745	ug/L	98
25) Chloroform	5.092	83	212587	46.375	ug/L	100

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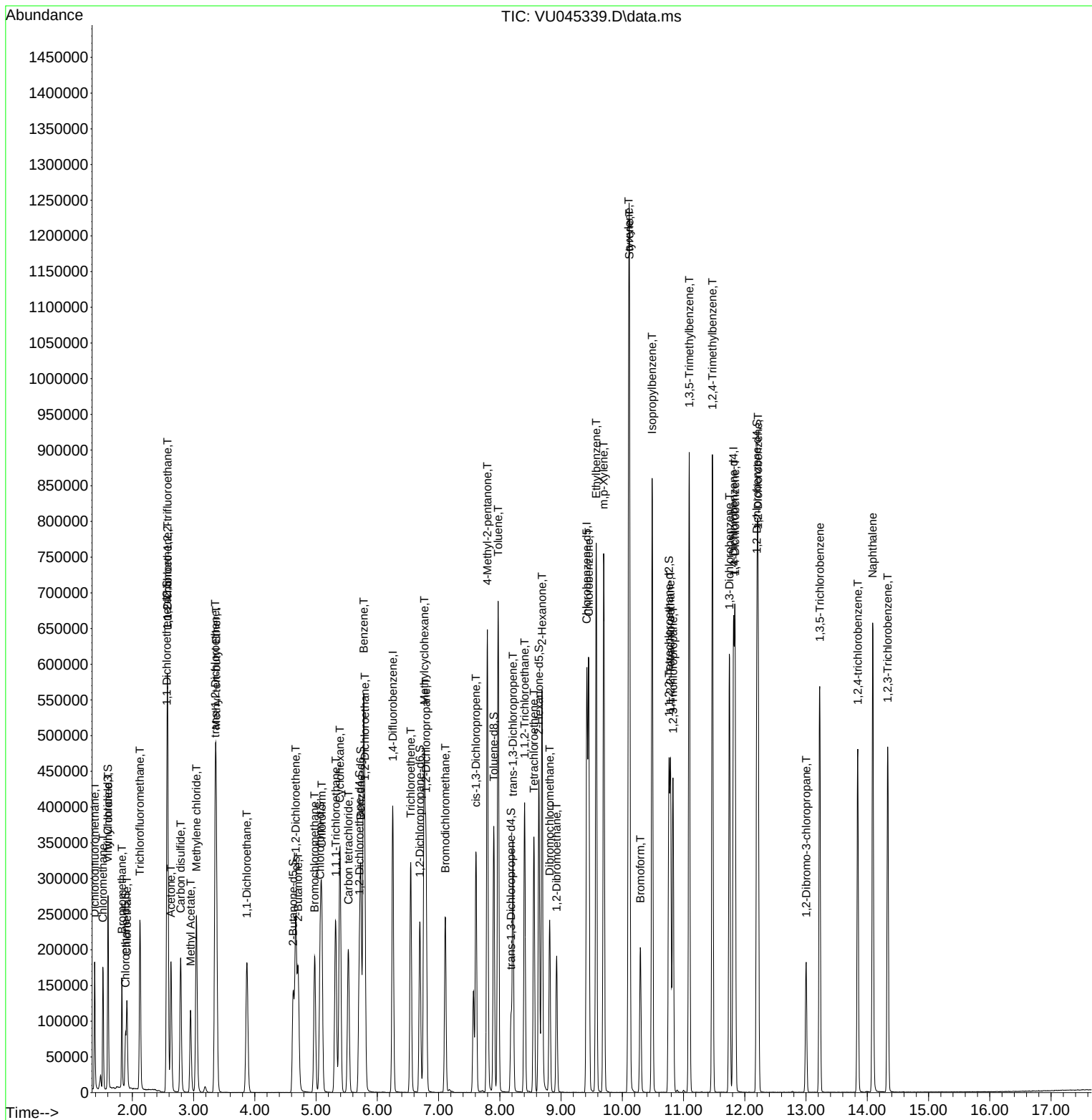
Instrument :
 MSVOA_U
 ClientSampleId :

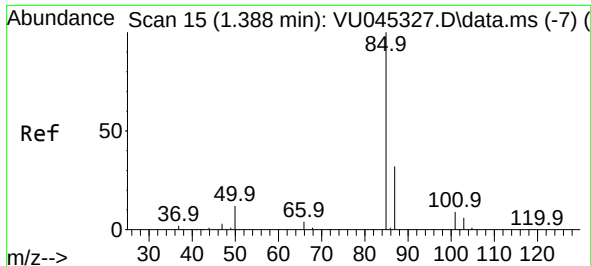
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	172259	47.049	ug/L	100
29) Cyclohexane	5.388	56	178964	49.193	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	171957	47.569	ug/L	100
31) Carbon tetrachloride	5.526	117	132442	47.447	ug/L	100
33) Benzene	5.777	78	464490	48.699	ug/L	100
34) Trichloroethene	6.546	95	112007	47.624	ug/L	98
35) Methylcyclohexane	6.768	83	182089	49.289	ug/L	100
37) 1,2-Dichloropropane	6.796	63	126660	48.825	ug/L	99
38) Bromodichloromethane	7.112	83	160502	47.834	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	191523	49.313	ug/L	97
40) 4-Methyl-2-pentanone	7.796	43	405254	102.432	ug/L	100
42) Toluene	7.973	91	489894	49.235	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	184608	49.711	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	122153	49.131	ug/L	97
46) Tetrachloroethene	8.558	164	77921	47.822	ug/L	96
48) 2-Hexanone	8.690	43	339356	101.604	ug/L	98
49) Dibromochloromethane	8.816	129	119923	49.521	ug/L	99
50) 1,2-Dibromoethane	8.928	107	124051	48.459	ug/L	100
51) Chlorobenzene	9.452	112	304692	48.348	ug/L	99
52) Ethylbenzene	9.574	91	534880	49.536	ug/L	100
53) m,p-Xylene	9.697	106	205293	50.045	ug/L	99
54) o-xylene	10.105	106	207942	50.522	ug/L	97
55) Styrene	10.118	104	362406	52.028	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	229848	52.328	ug/L	100
59) Bromoform	10.295	173	88983	52.350	ug/L	98
60) 1,2,3-Trichloropropane	10.828	75	181385	50.945	ug/L	99
61) Isopropylbenzene	10.488	105	541090	51.104	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	466269	53.228	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	475606	53.626	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	237055	49.444	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	236884	48.709	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	244058	50.356	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	48786	49.207	ug/L	97
69) 1,3,5-Trichlorobenzene	13.224	180	165830	50.264	ug/L	100
70) 1,2,4-trichlorobenzene	13.844	180	136595	49.390	ug/L	98
71) Naphthalene	14.089	128	501174	54.214	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	139354	50.438	ug/L	98

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

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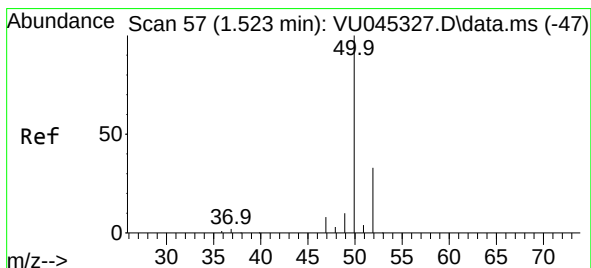
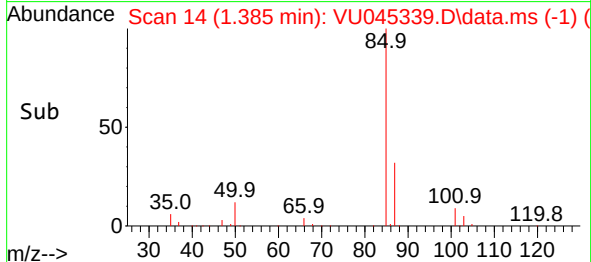
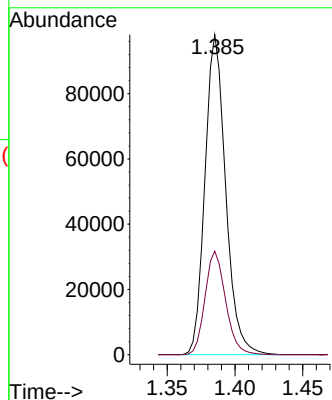
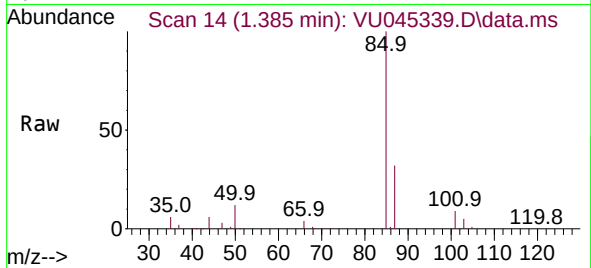




#2
Dichlorodifluoromethane
Concen: 45.275 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

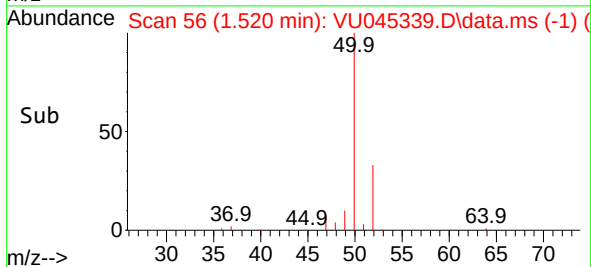
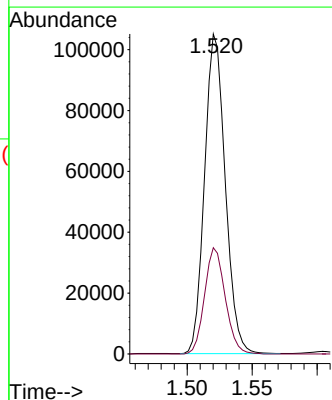
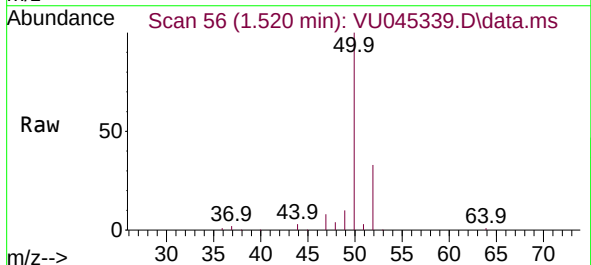
Instrument :
MSVOA_U
ClientSampled :

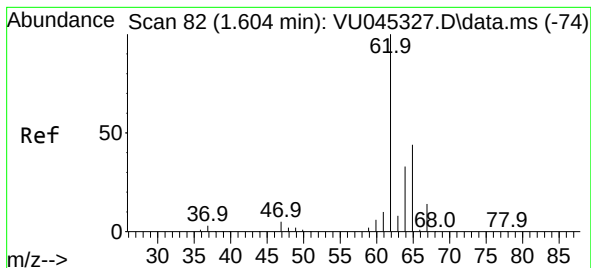
Tgt Ion: 85 Resp: 104115
Ion Ratio Lower Upper
85 100
87 32.1 25.3 37.9



#3
Chloromethane
Concen: 44.810 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 50 Resp: 116608
Ion Ratio Lower Upper
50 100
52 33.2 23.2 43.0





#5

Vinyl chloride

Concen: 44.651 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU045339.D

Acq: 20 Oct 2021 11:20

Tgt Ion: 62 Resp: 128521

Ion Ratio Lower Upper

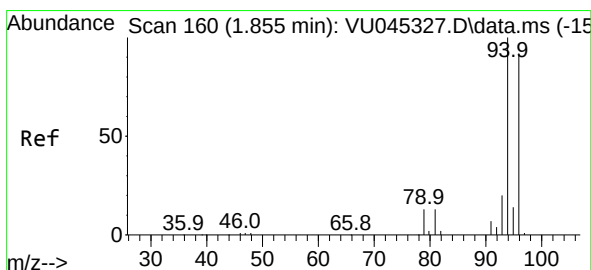
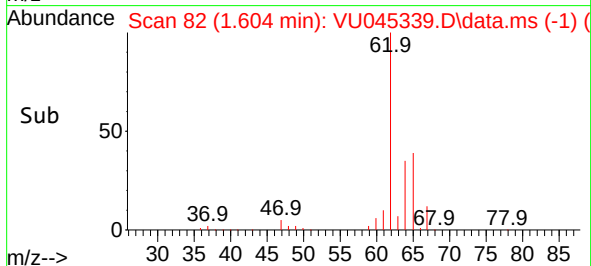
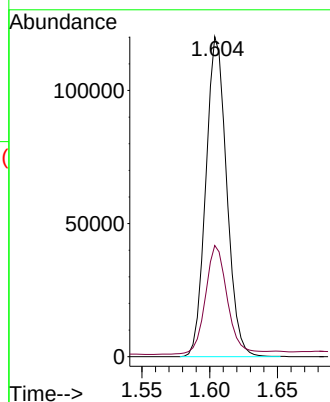
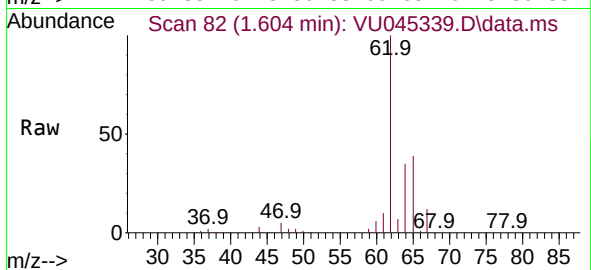
62 100

64 34.8 23.9 44.3

Instrument :

MSVOA_U

ClientSampled :



#6

Bromomethane

Concen: 35.128 ug/L

RT: 1.829 min Scan# 152

Delta R.T. -0.026 min

Lab File: VU045339.D

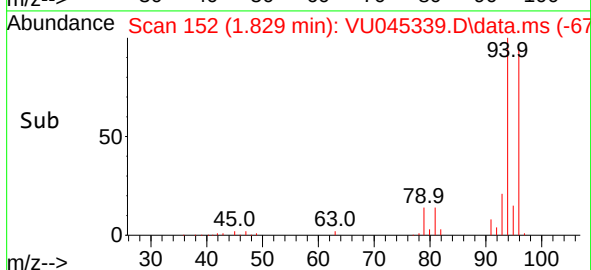
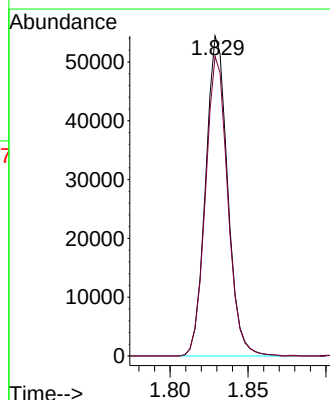
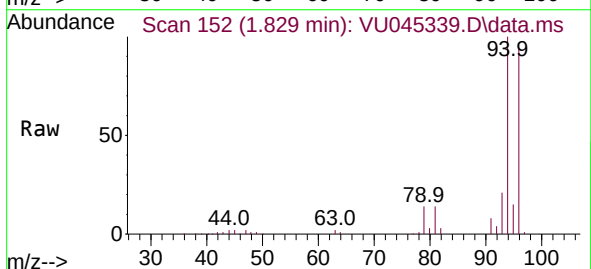
Acq: 20 Oct 2021 11:20

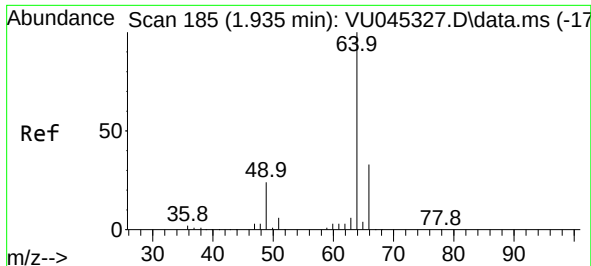
Tgt Ion: 94 Resp: 53504

Ion Ratio Lower Upper

94 100

96 93.6 64.1 119.1

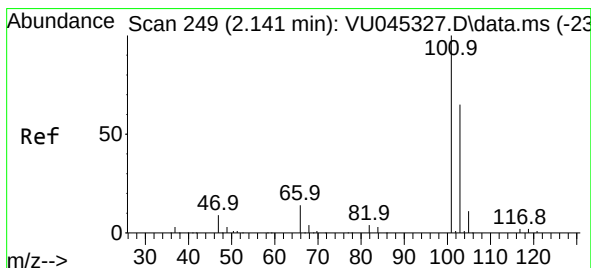
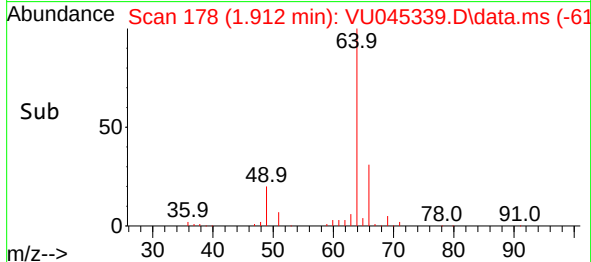
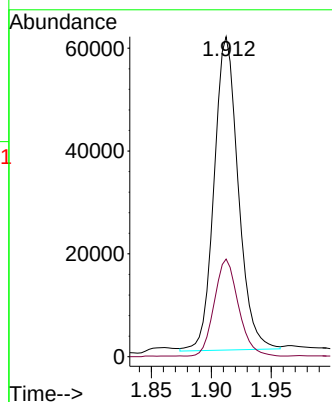
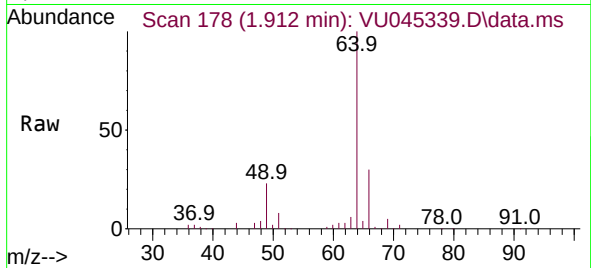




#8
Chloroethane
Concen: 47.113 ug/L
RT: 1.912 min Scan# 178
Delta R.T. -0.023 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

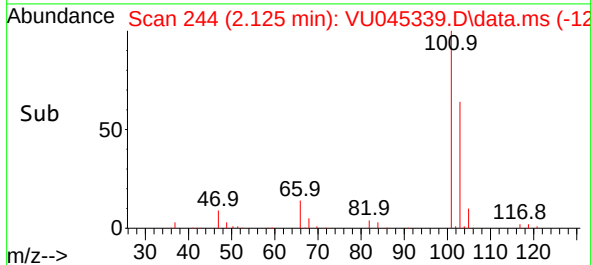
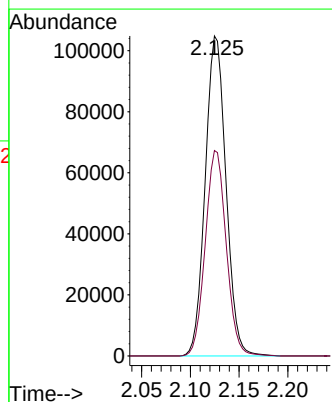
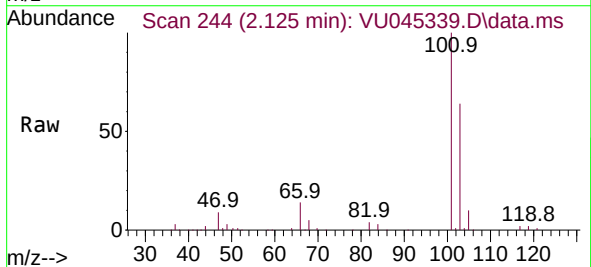
Instrument :
MSVOA_U
ClientSampleId :

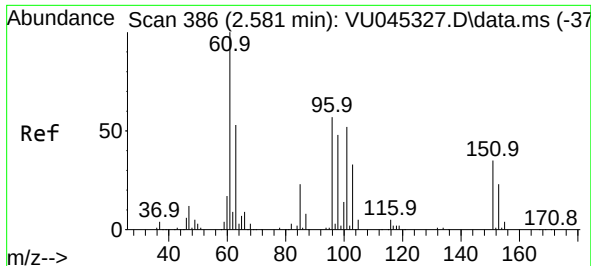
Tgt Ion: 64 Resp: 85183
Ion Ratio Lower Upper
64 100
66 30.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 44.419 ug/L
RT: 2.125 min Scan# 244
Delta R.T. -0.016 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion:101 Resp: 155516
Ion Ratio Lower Upper
101 100
103 64.8 50.8 76.2

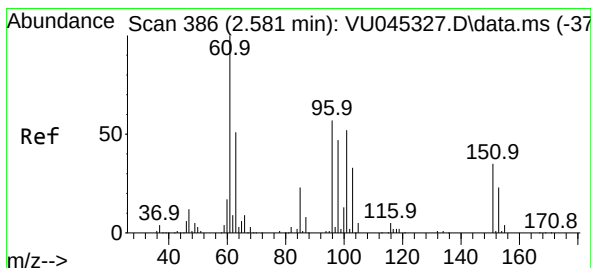
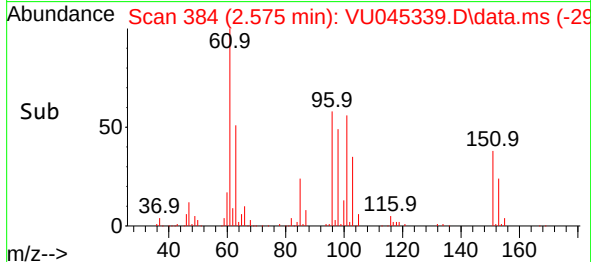
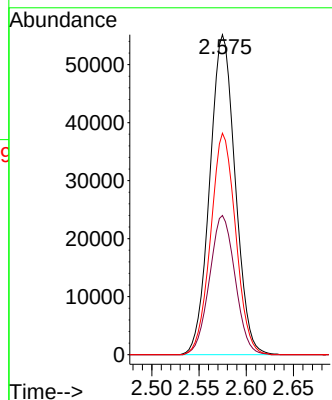
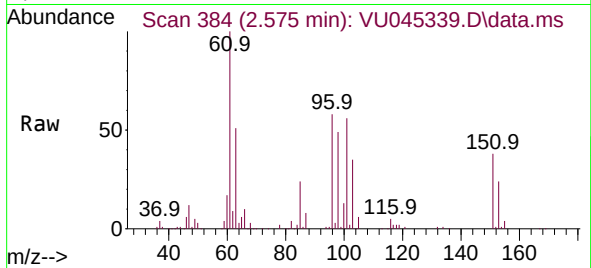




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.428 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.006 min
 Lab File: VU045339.D
 Acq: 20 Oct 2021 11:20

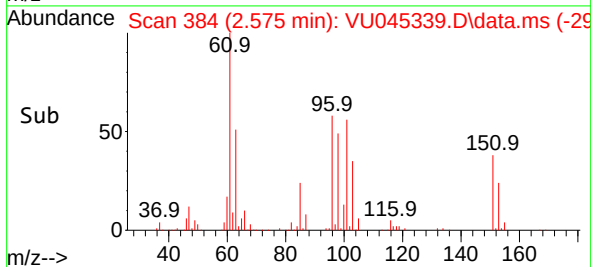
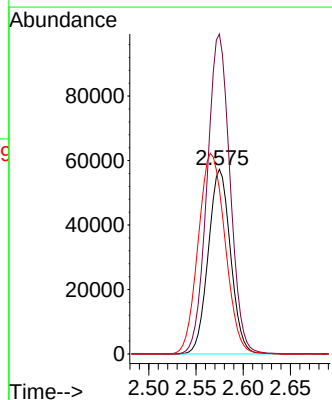
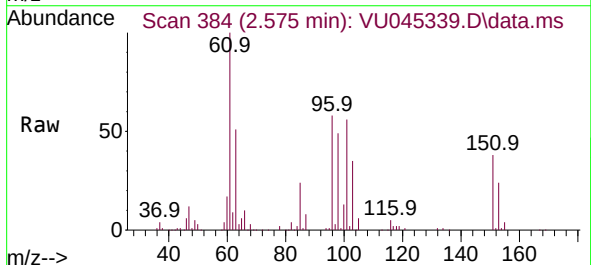
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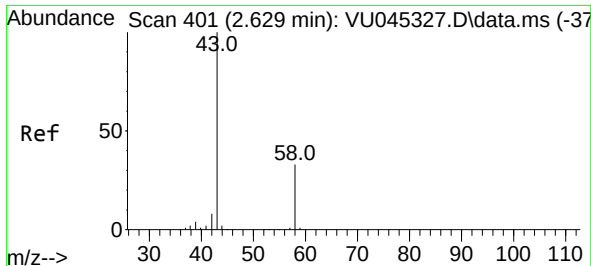
Tgt Ion:101 Resp: 103314
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.2 52.8
 151 68.1 53.9 80.9



#12
 1,1-Dichloroethene
 Concen: 45.783 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.006 min
 Lab File: VU045339.D
 Acq: 20 Oct 2021 11:20

Tgt Ion: 96 Resp: 93920
 Ion Ratio Lower Upper
 96 100
 61 173.3 122.9 228.3
 63 89.2 65.3 121.3

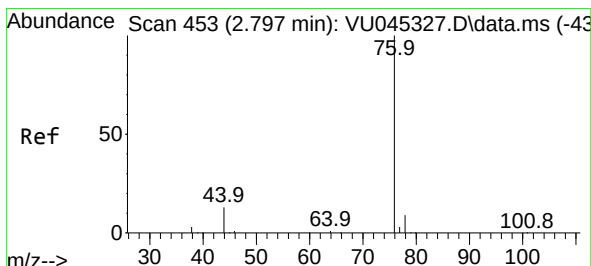
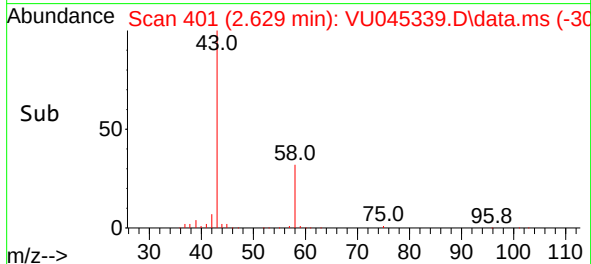
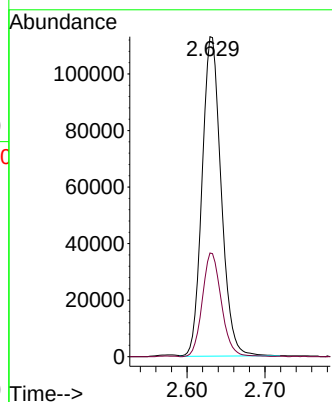
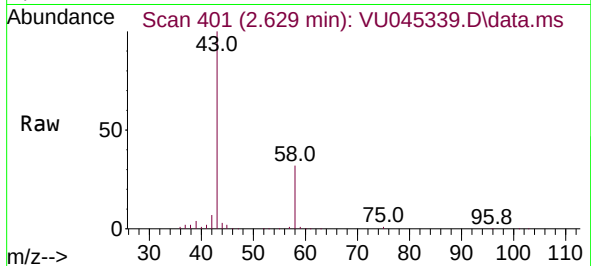




#13
Acetone
Concen: 80.251 ug/L
RT: 2.629 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

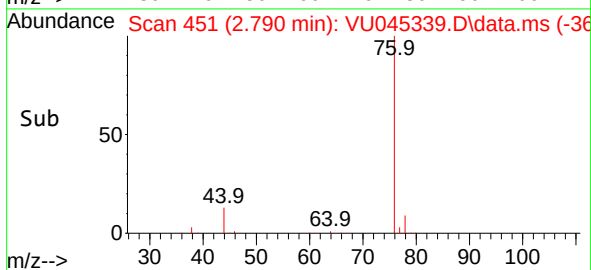
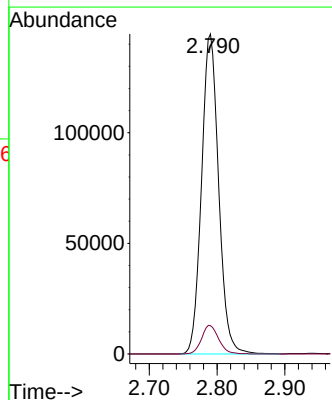
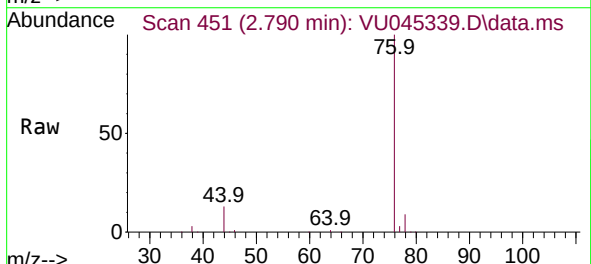
Instrument :
MSVOA_U
ClientSampled :

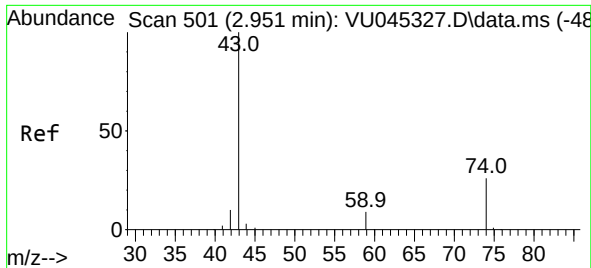
Tgt Ion: 43 Resp: 191658
Ion Ratio Lower Upper
43 100
58 32.6 0.0 64.8



#14
Carbon disulfide
Concen: 44.957 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.007 min
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Acq: 20 Oct 2021 11:20

Tgt Ion: 76 Resp: 253508
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

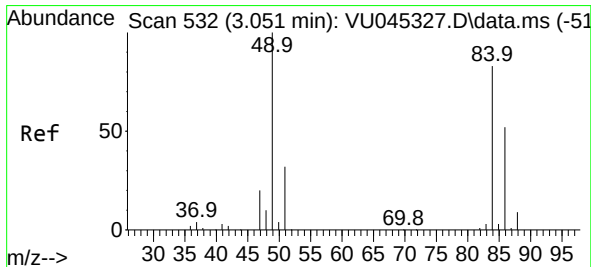
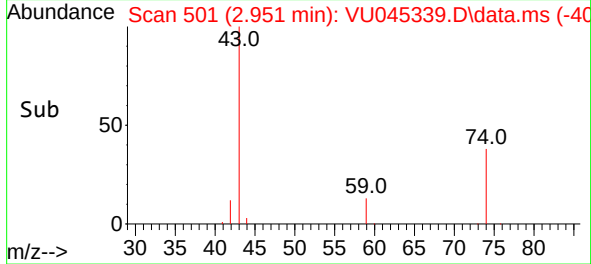
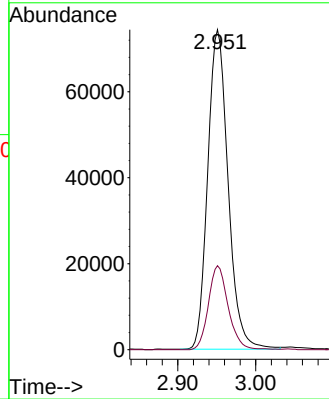
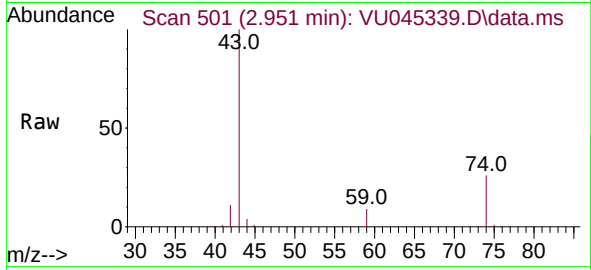




#15
Methyl Acetate
Concen: 45.561 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

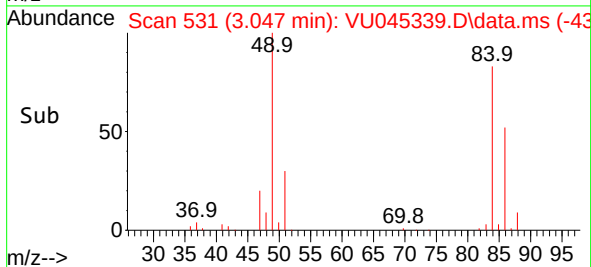
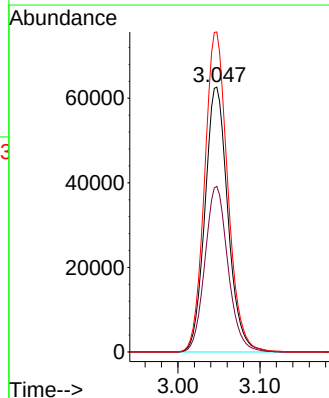
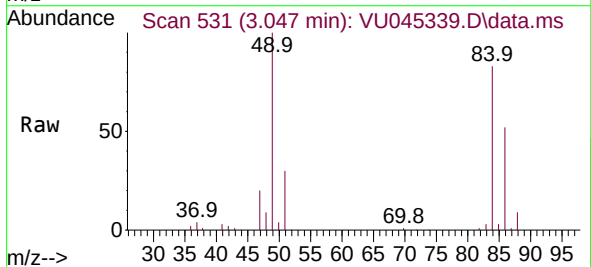
Instrument :
MSVOA_U
ClientSampleId :

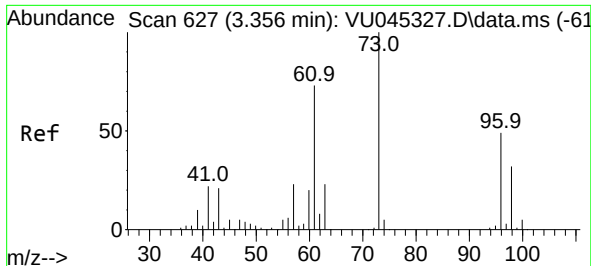
Tgt Ion: 43 Resp: 134922
Ion Ratio Lower Upper
43 100
74 25.5 20.5 30.7



#16
Methylene chloride
Concen: 46.131 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 84 Resp: 121881
Ion Ratio Lower Upper
84 100
86 62.6 44.1 81.9
49 120.9 84.2 156.4



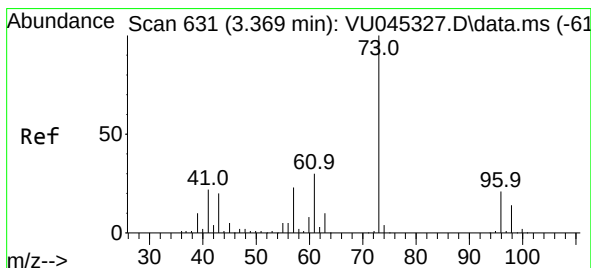
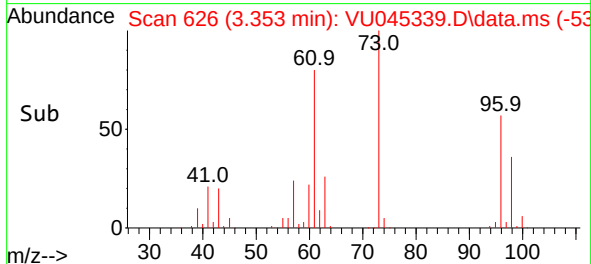
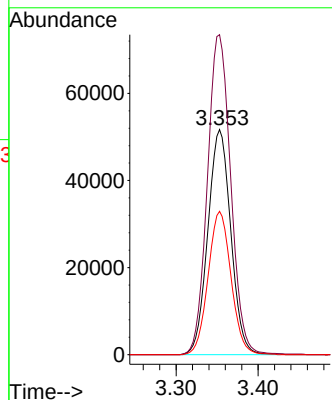
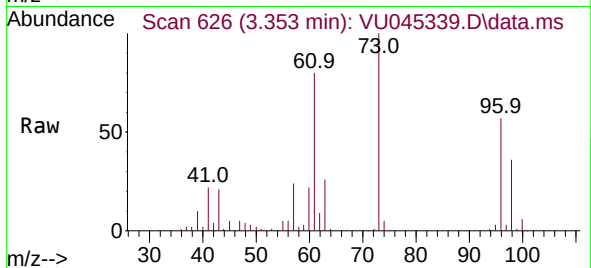


#17

trans-1,2-Dichloroethene
Concen: 45.766 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Instrument :
MSVOA_U
ClientSampleId :

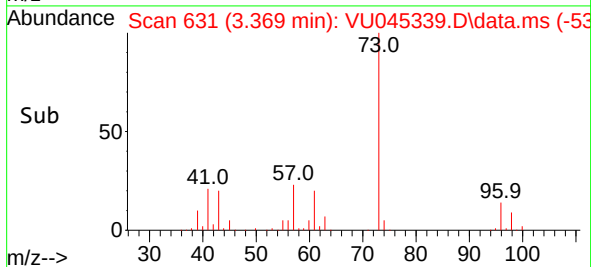
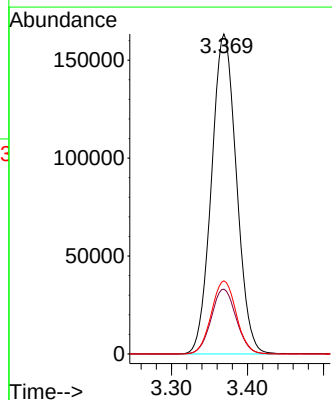
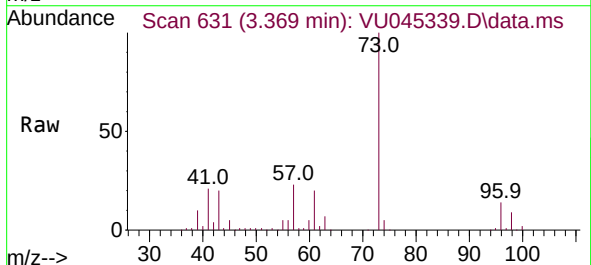
Tgt Ion: 96 Resp: 100716
Ion Ratio Lower Upper
96 100
61 142.1 104.7 194.4
98 63.7 45.8 85.2

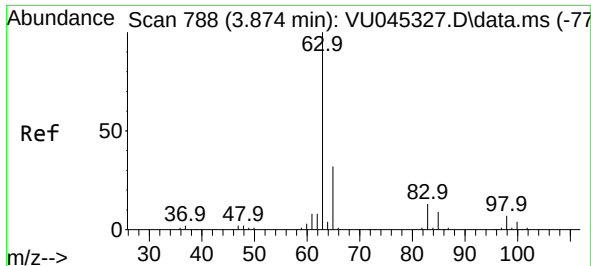


#18

Methyl tert-butyl Ether
Concen: 48.537 ug/L
RT: 3.369 min Scan# 631
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 73 Resp: 372486
Ion Ratio Lower Upper
73 100
43 20.4 16.2 24.4
57 22.8 17.9 26.9





#19

1,1-Dichloroethane

Concen: 46.807 ug/L

RT: 3.871 min Scan# 787

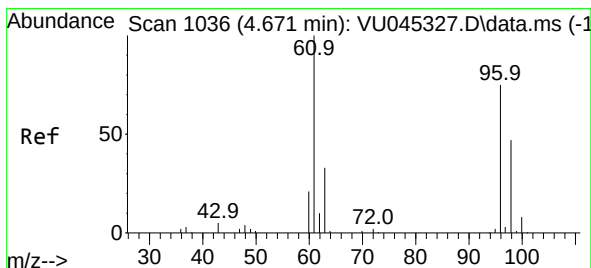
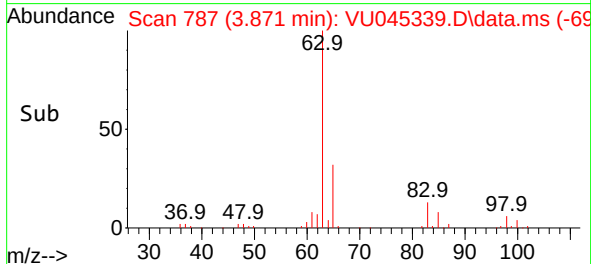
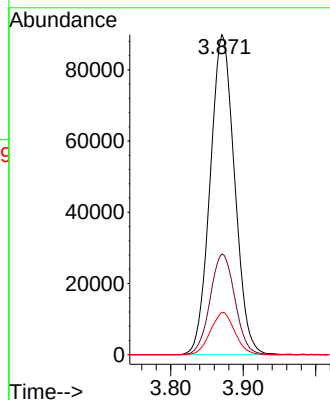
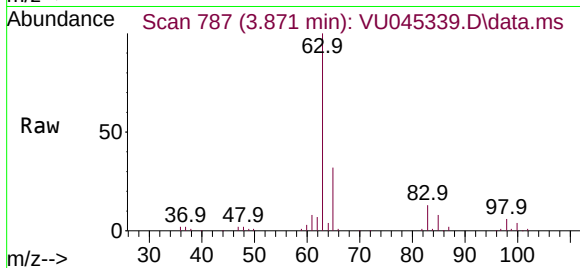
Delta R.T. -0.003 min

Lab File: VU045339.D

Acq: 20 Oct 2021 11:20

Tgt Ion: 63 Resp: 210781

Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.5	41.9
83	13.2	8.9	16.5



#20

cis-1,2-Dichloroethene

Concen: 47.892 ug/L

RT: 4.668 min Scan# 1035

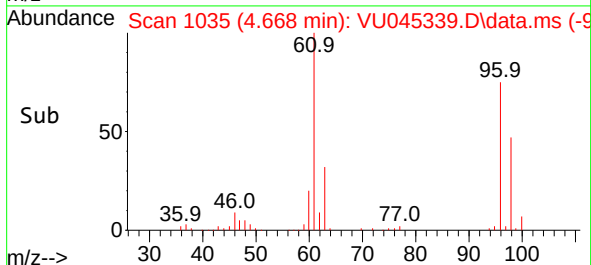
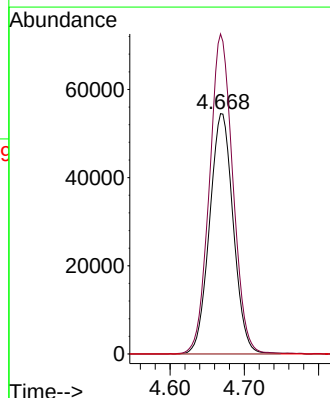
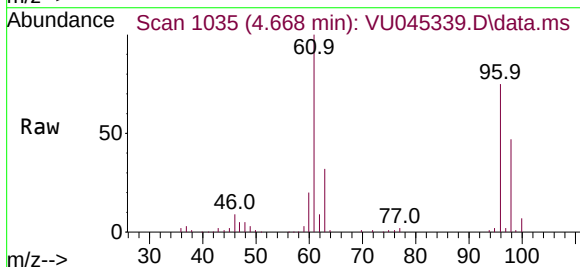
Delta R.T. -0.003 min

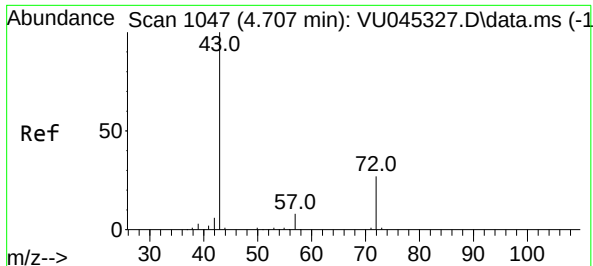
Lab File: VU045339.D

Acq: 20 Oct 2021 11:20

Tgt Ion: 96 Resp: 120734

Ion	Ratio	Lower	Upper
96	100		
61	133.1	94.2	175.0
68	0.0	0.0	0.0

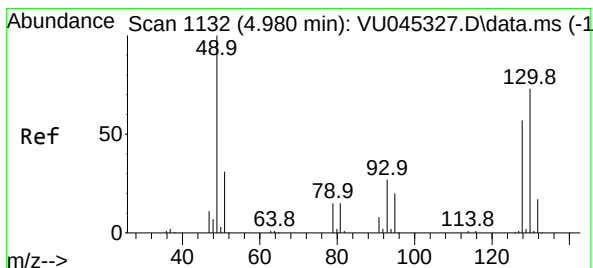
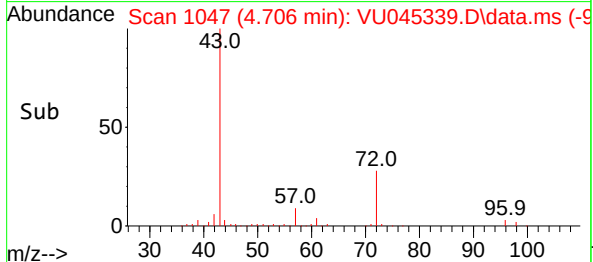
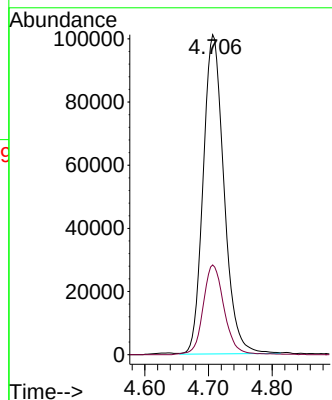
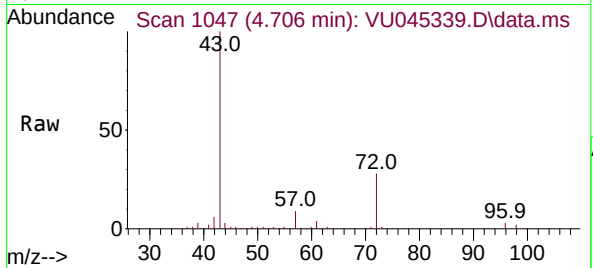




#22
2-Butanone
Concen: 87.268 ug/L
RT: 4.706 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

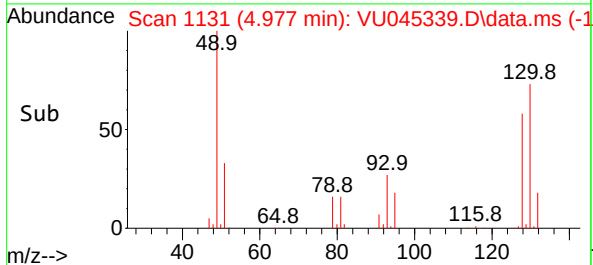
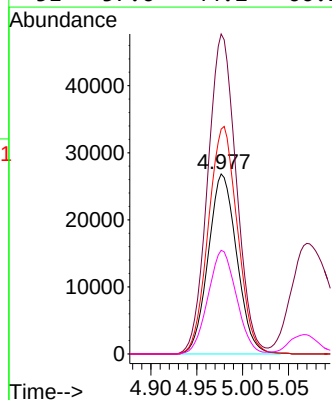
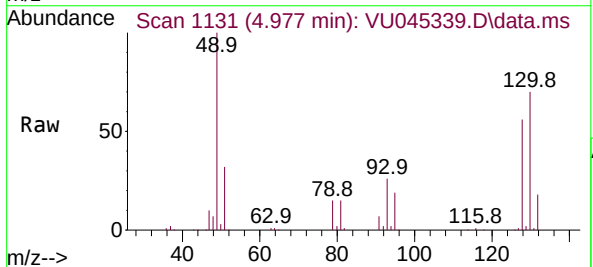
Instrument :
MSVOA_U
ClientSampled :

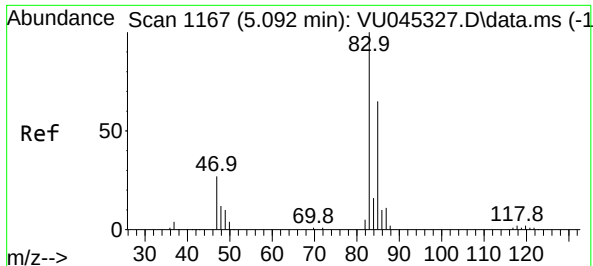
Tgt Ion: 43 Resp: 229840
Ion Ratio Lower Upper
43 100
72 28.2 14.1 42.2



#23
Bromochloromethane
Concen: 46.745 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 128 Resp: 58034
Ion Ratio Lower Upper
128 100
49 177.8 123.8 229.8
130 124.9 89.8 166.8
51 57.6 44.2 66.2





#25

Chloroform

Concen: 46.375 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU045339.D

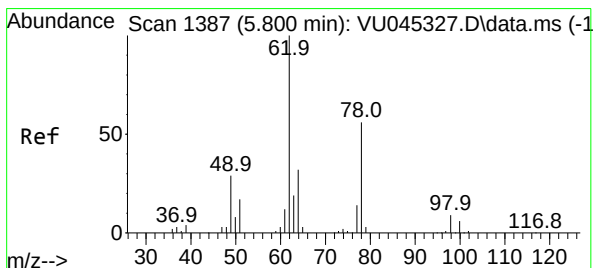
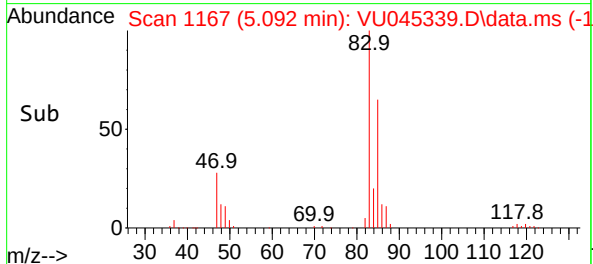
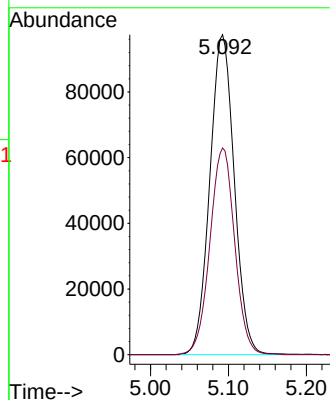
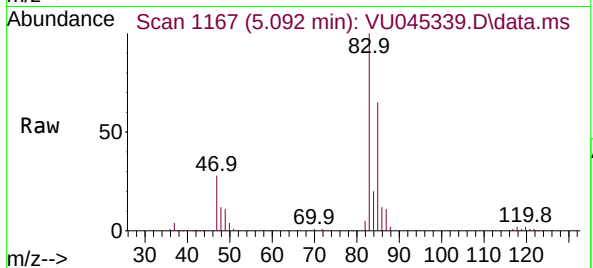
Acq: 20 Oct 2021 11:20

Tgt Ion: 83 Resp: 212587

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2



#27

1,2-Dichloroethane

Concen: 47.049 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU045339.D

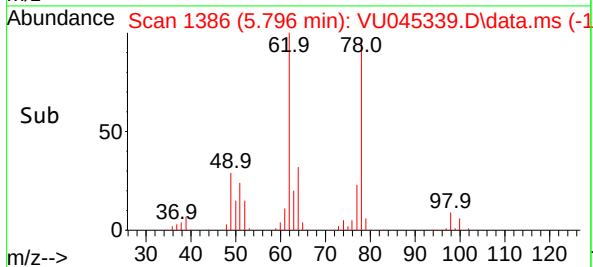
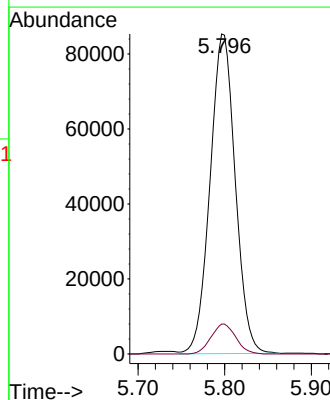
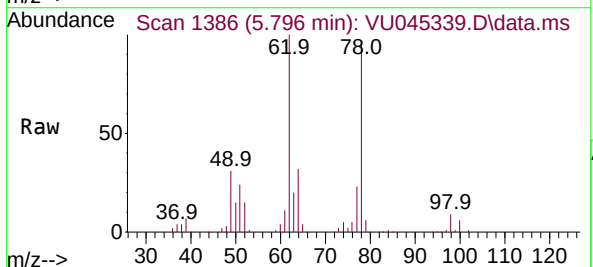
Acq: 20 Oct 2021 11:20

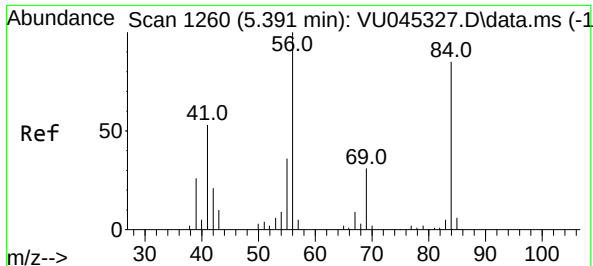
Tgt Ion: 62 Resp: 172259

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.2





#29

Cyclohexane

Concen: 49.193 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU045339.D

Acq: 20 Oct 2021 11:20

Tgt Ion: 56 Resp: 178964

Ion Ratio Lower Upper

56 100

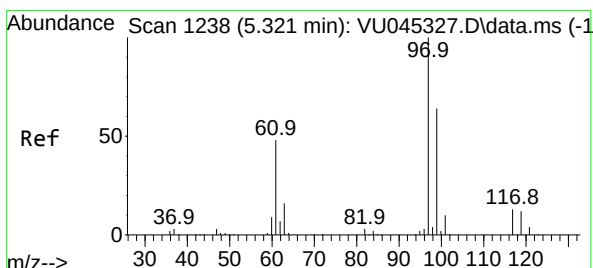
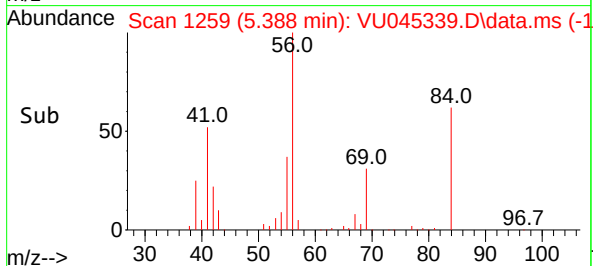
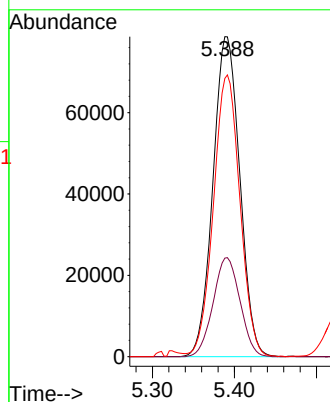
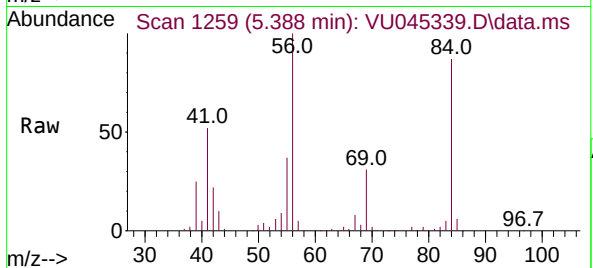
69 31.0 24.8 37.2

84 87.0 70.3 105.5

Instrument :

MSVOA_U

ClientSampleId :



#30

1,1,1-Trichloroethane

Concen: 47.569 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU045339.D

Acq: 20 Oct 2021 11:20

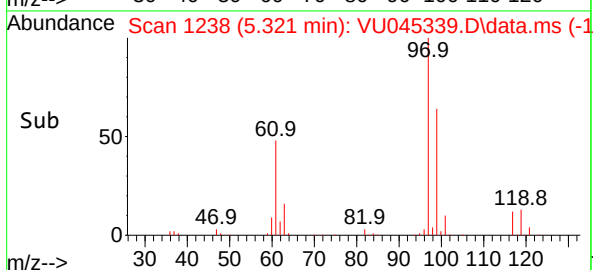
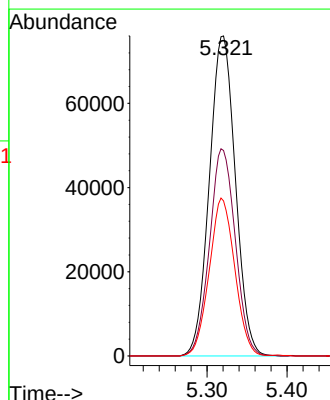
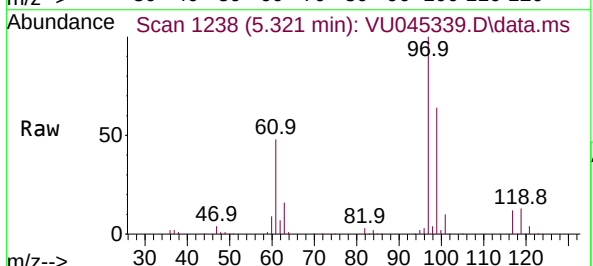
Tgt Ion: 97 Resp: 171957

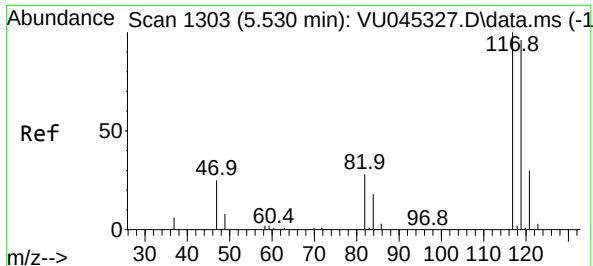
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 48.4 39.2 58.8

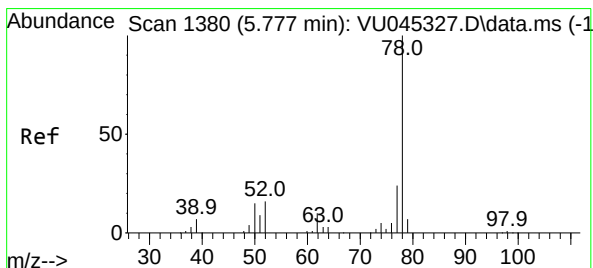
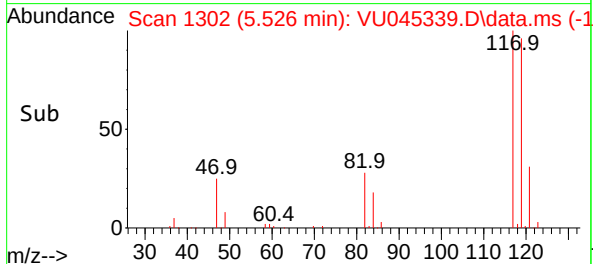
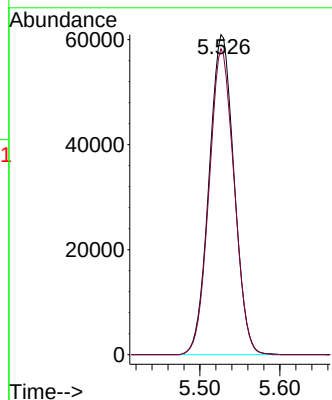
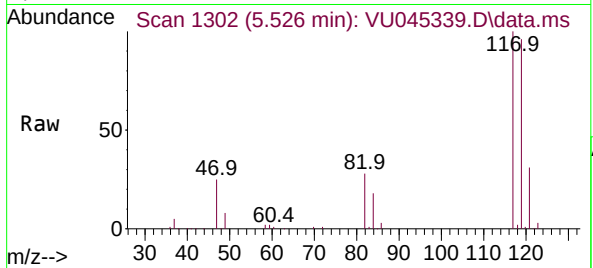




#31
Carbon tetrachloride
Concen: 47.447 ug/L
RT: 5.526 min Scan# 1302
Delta R.T. -0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

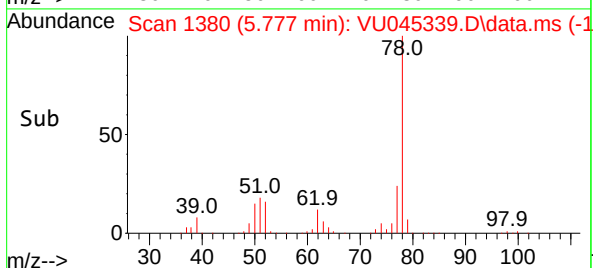
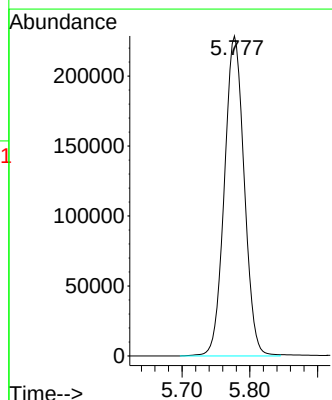
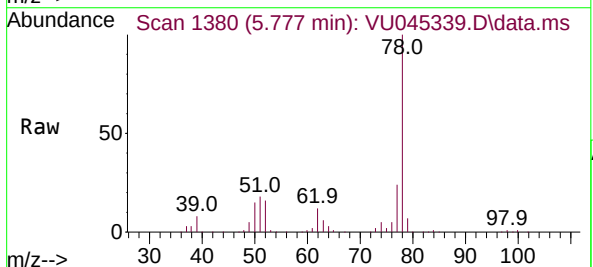
Instrument :
MSVOA_U
ClientSampled :

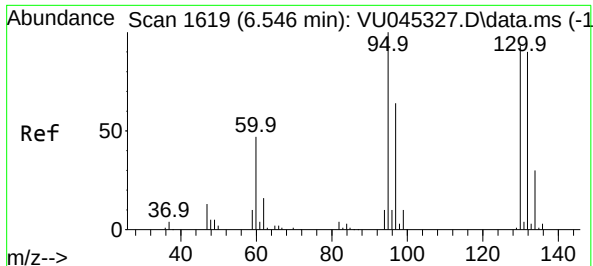
Tgt Ion:117 Resp: 132442
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1



#33
Benzene
Concen: 48.699 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 78 Resp: 464490



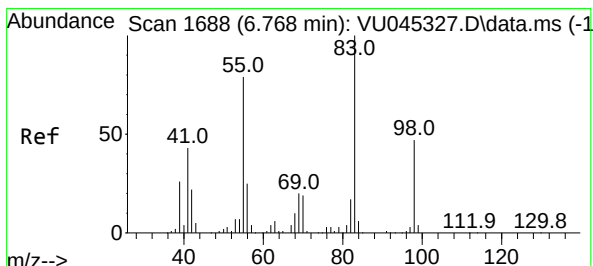
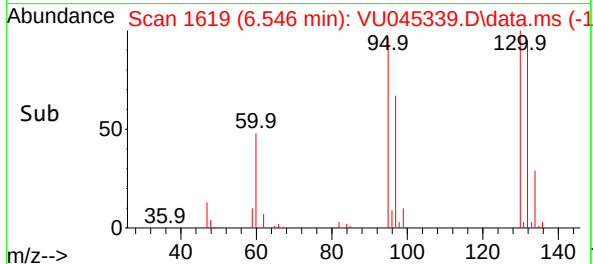
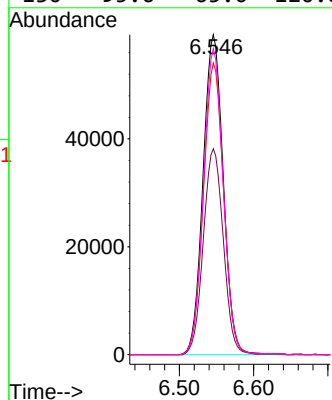
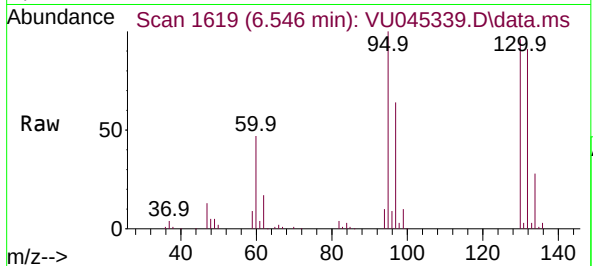


#34
Trichloroethene
Concen: 47.624 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 95 Resp: 112007

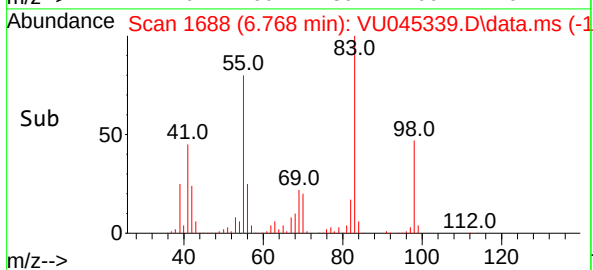
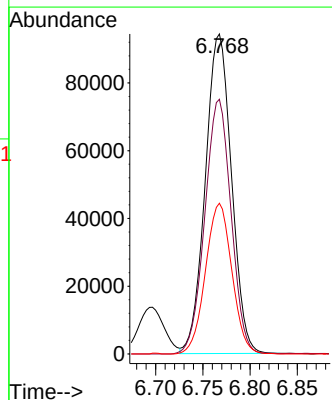
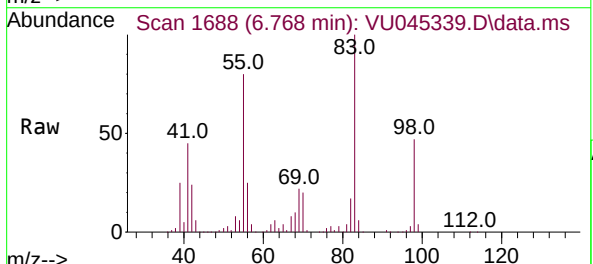
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.9	83.3
132	91.1	63.0	117.0
130	95.6	65.0	120.8

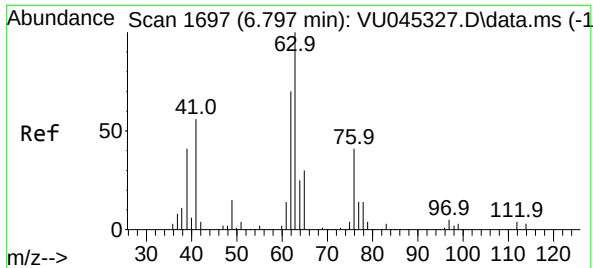


#35
Methylcyclohexane
Concen: 49.289 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 83 Resp: 182089

Ion	Ratio	Lower	Upper
83	100		
55	79.8	63.4	95.0
98	47.5	37.9	56.9

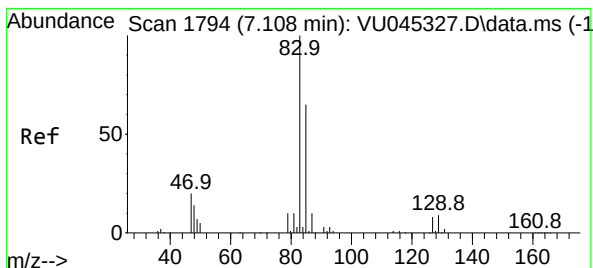
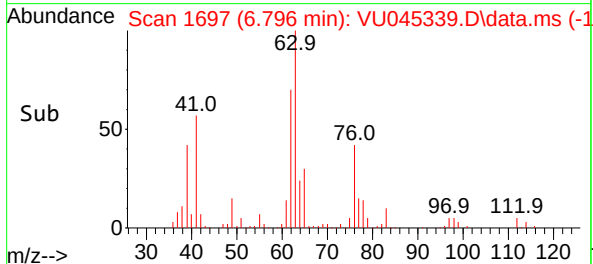
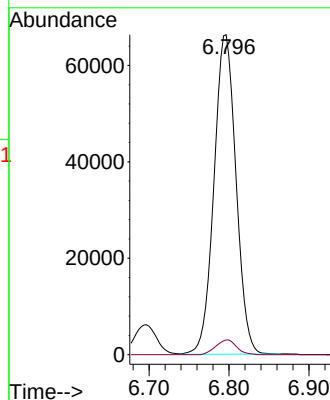
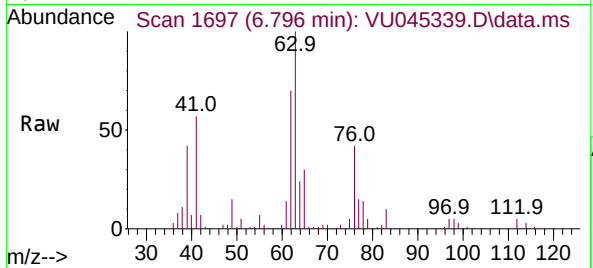




#37
1,2-Dichloropropane
Concen: 48.825 ug/L
RT: 6.796 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

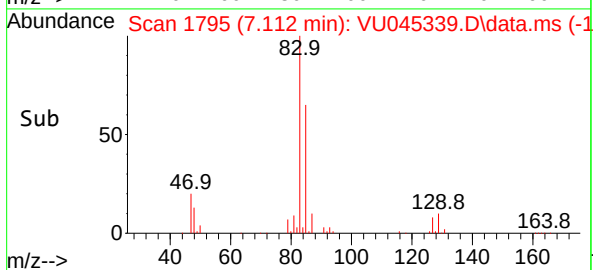
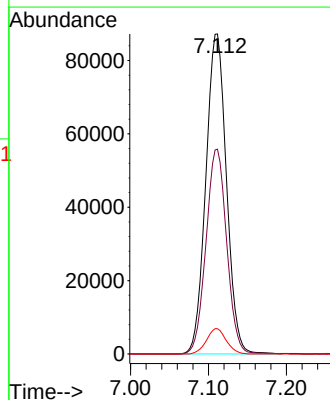
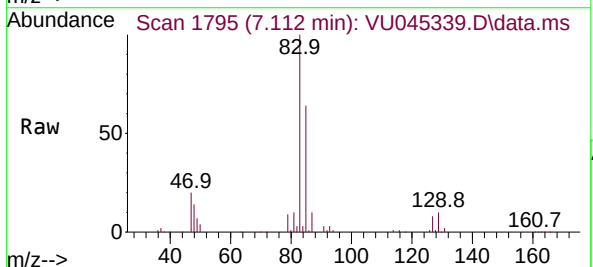
Instrument :
MSVOA_U
ClientSampleId :

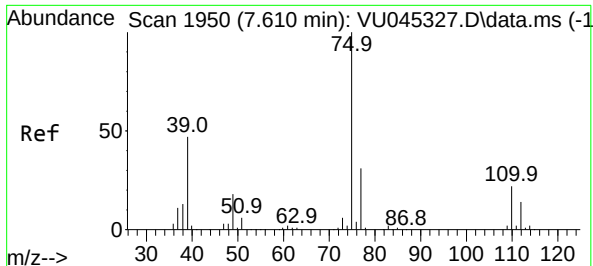
Tgt Ion: 63 Resp: 126660
Ion Ratio Lower Upper
63 100
112 4.4 3.3 4.9



#38
Bromodichloromethane
Concen: 47.834 ug/L
RT: 7.112 min Scan# 1795
Delta R.T. 0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 83 Resp: 160502
Ion Ratio Lower Upper
83 100
85 64.0 45.5 84.5
127 7.9 6.3 9.5



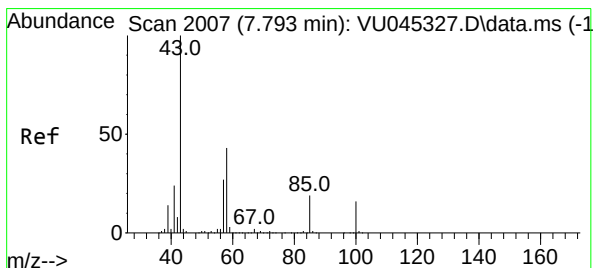
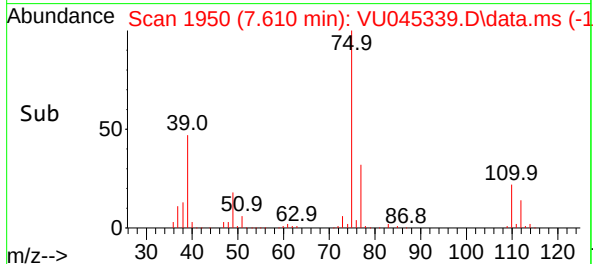
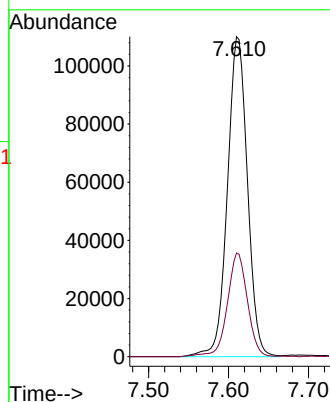
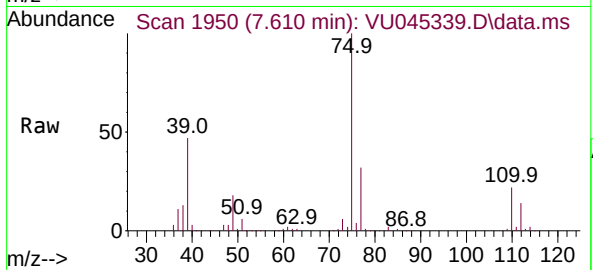


#39

cis-1,3-Dichloropropene
Concen: 49.313 ug/L
RT: 7.610 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Instrument :
MSVOA_U
ClientSampled :

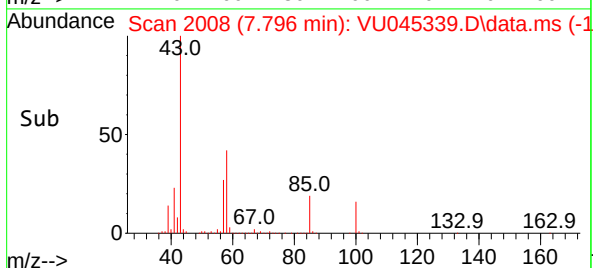
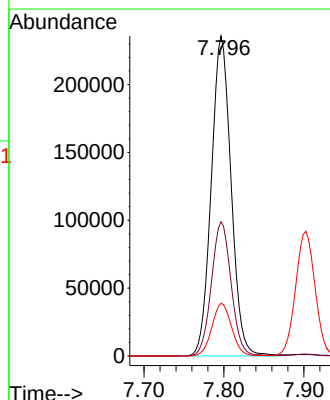
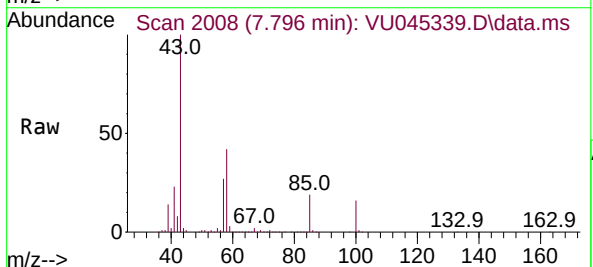
Tgt Ion: 75 Resp: 191523
Ion Ratio Lower Upper
75 100
77 32.4 21.6 40.0

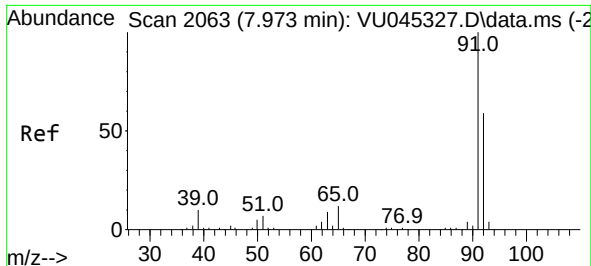


#40

4-Methyl-2-pentanone
Concen: 102.432 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 43 Resp: 405254
Ion Ratio Lower Upper
43 100
58 41.8 33.7 50.5
100 16.4 13.0 19.4

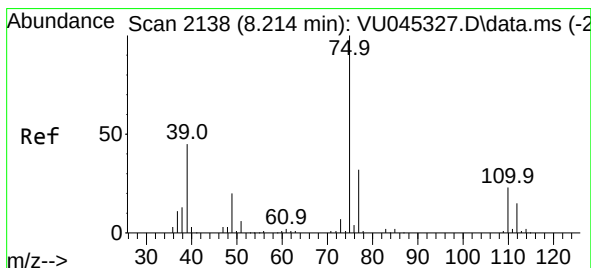
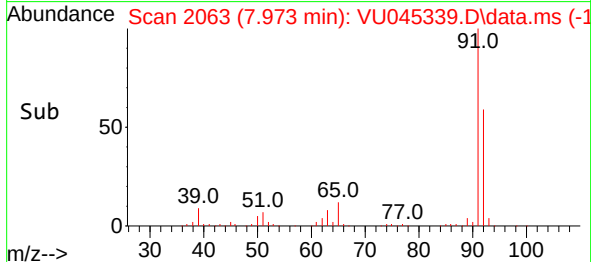
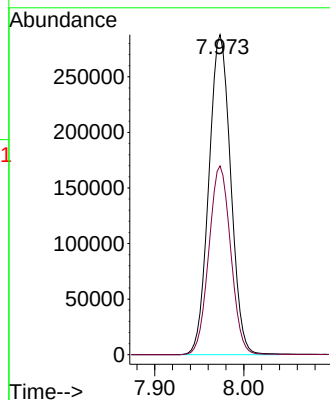
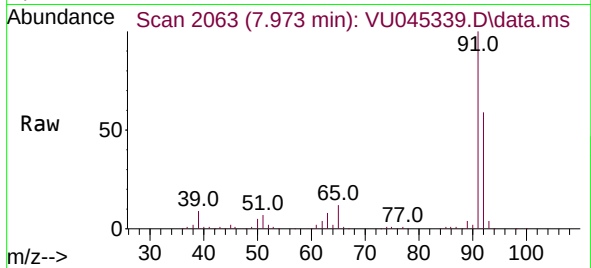




#42
Toluene
Concen: 49.235 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

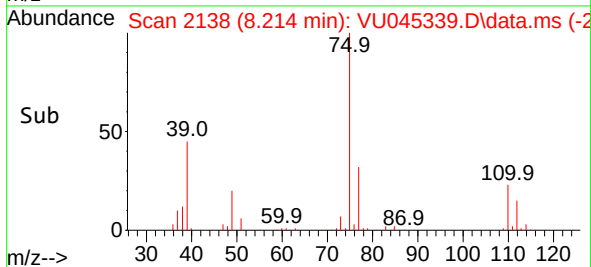
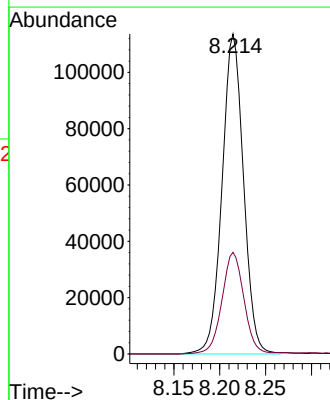
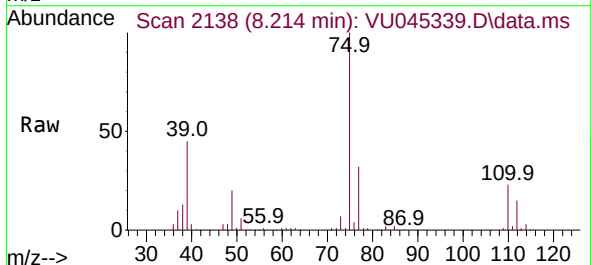
Instrument :
MSVOA_U
ClientSampled :

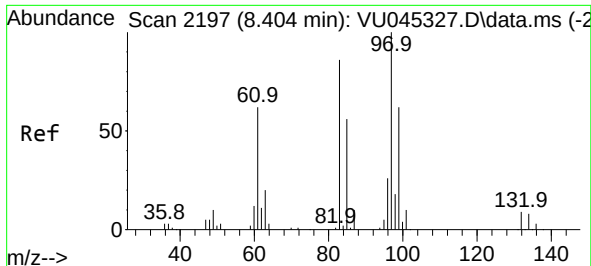
Tgt Ion: 91 Resp: 489894
Ion Ratio Lower Upper
91 100
92 59.0 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 49.711 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 75 Resp: 184608
Ion Ratio Lower Upper
75 100
77 31.7 22.5 41.9

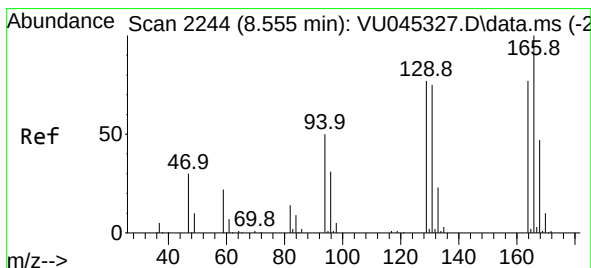
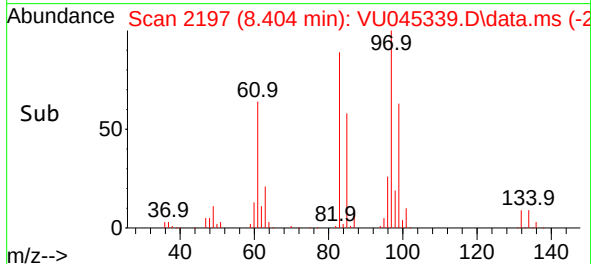
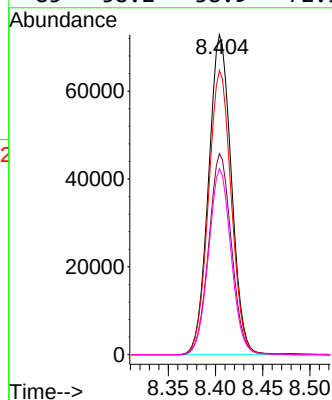
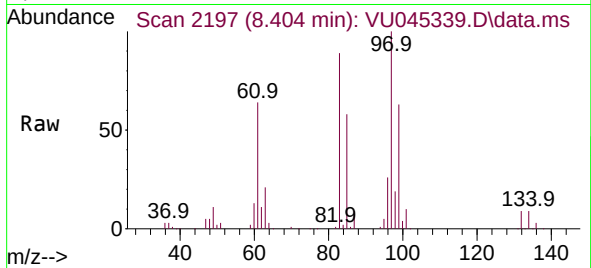




#45
1,1,2-Trichloroethane
Concen: 49.131 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

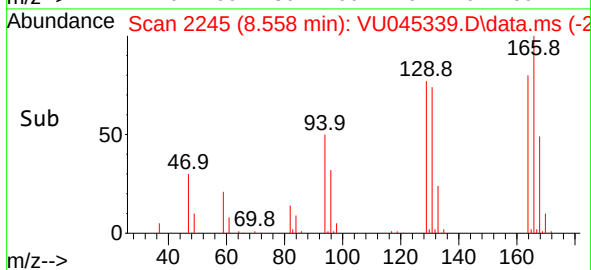
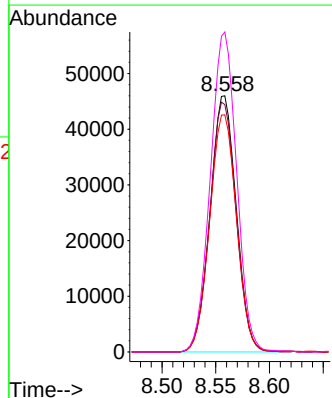
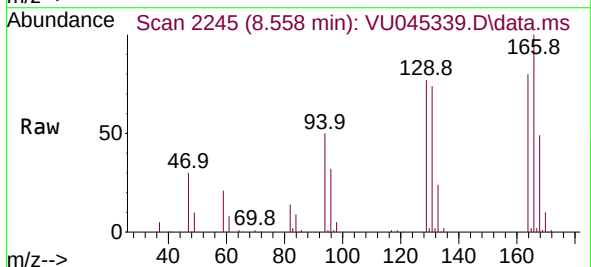
Instrument :
MSVOA_U
ClientSampleId :

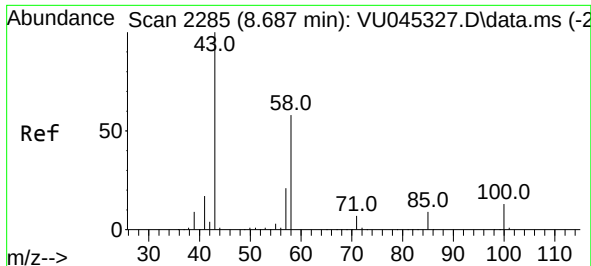
Tgt Ion:	97	Resp:	122153
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.0	80.0
83	88.8	60.1	111.5
85	58.2	38.9	72.3



#46
Tetrachloroethene
Concen: 47.822 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion:	164	Resp:	77921
Ion	Ratio	Lower	Upper
164	100		
129	96.6	69.6	129.2
131	92.5	67.5	125.4
166	124.9	90.4	167.8

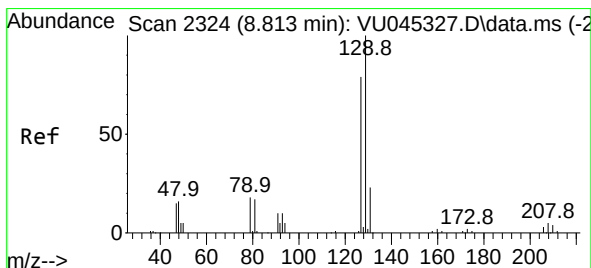
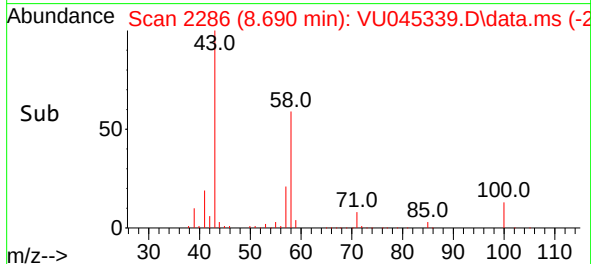
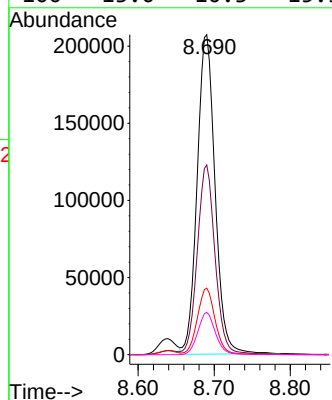
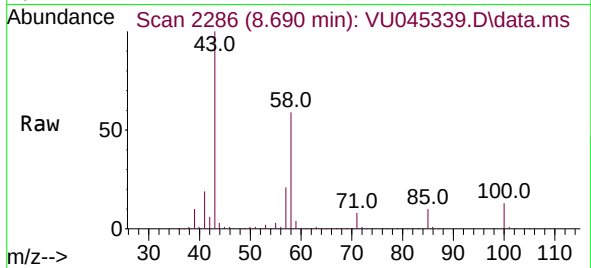




#48
2-Hexanone
Concen: 101.604 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. 0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

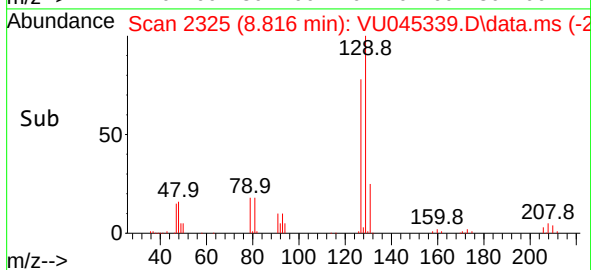
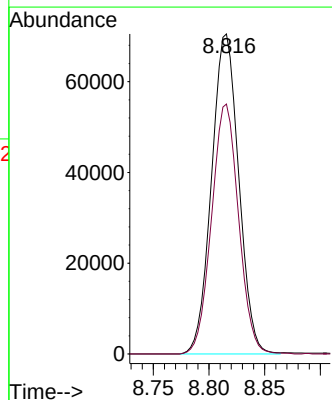
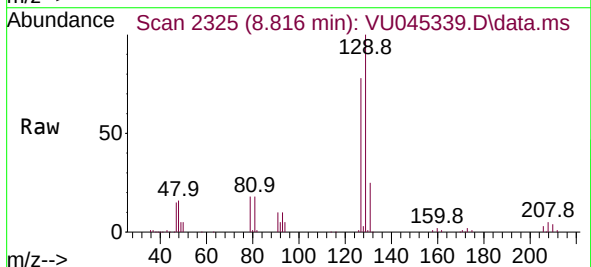
Instrument :
MSVOA_U
ClientSampled :

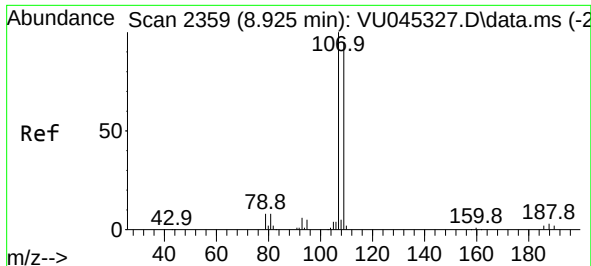
Tgt Ion: 43	Resp: 339356
Ion Ratio	Lower Upper
43	100
58	58.2 45.4 68.0
57	20.5 16.0 24.0
100	13.0 10.3 15.5



#49
Dibromochloromethane
Concen: 49.521 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 129	Resp: 119923
Ion Ratio	Lower Upper
129	100
127	78.1 55.3 102.7





#50

1,2-Dibromoethane

Concen: 48.459 ug/L

RT: 8.928 min Scan# 2360

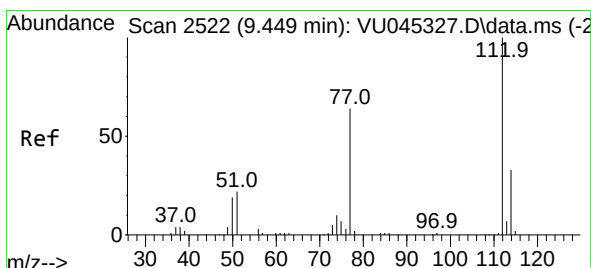
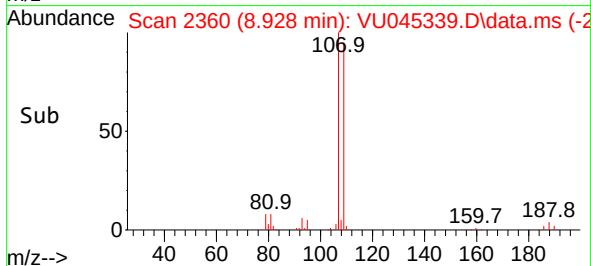
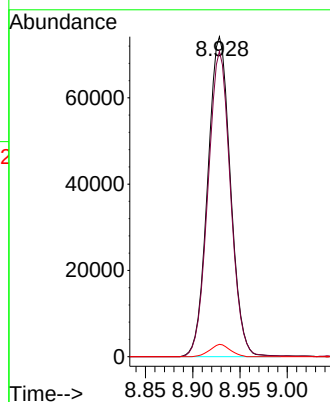
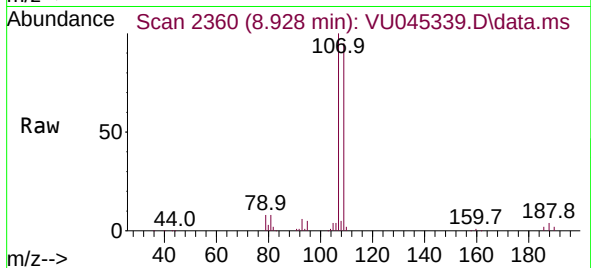
Delta R.T. 0.003 min

Lab File: VU045339.D

Acq: 20 Oct 2021 11:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	107	Resp:	124051
Ion Ratio	Lower	Upper	
107	100		
109	95.4	66.6	123.6
188	3.9	2.6	4.0



#51

Chlorobenzene

Concen: 48.348 ug/L

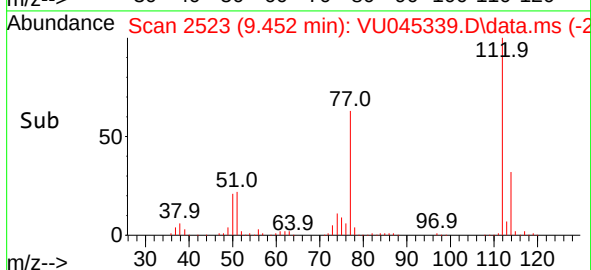
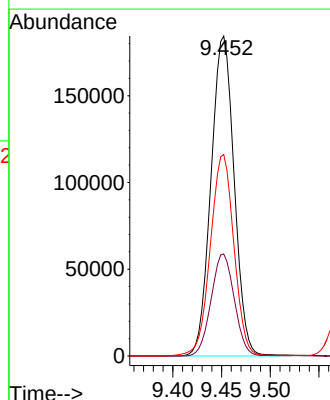
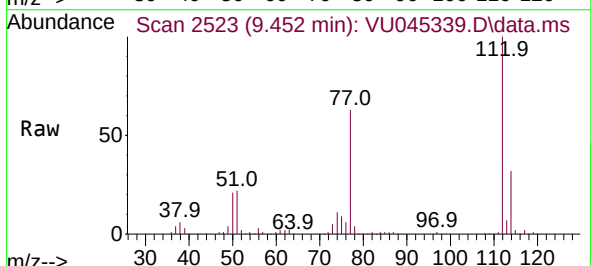
RT: 9.452 min Scan# 2523

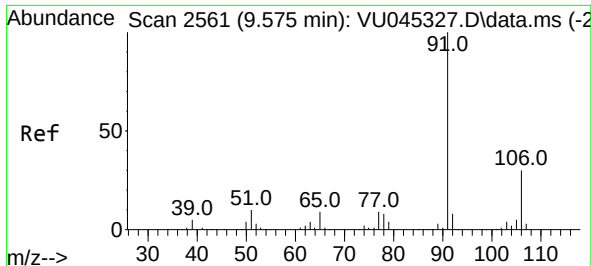
Delta R.T. 0.003 min

Lab File: VU045339.D

Acq: 20 Oct 2021 11:20

Tgt Ion:	112	Resp:	304692
Ion Ratio	Lower	Upper	
112	100		
114	31.9	22.8	42.4
77	63.0	51.3	76.9

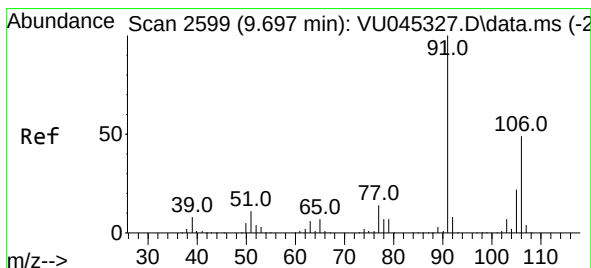
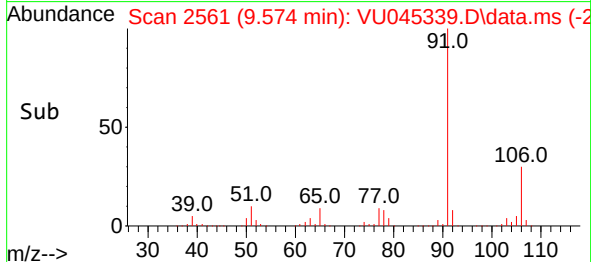
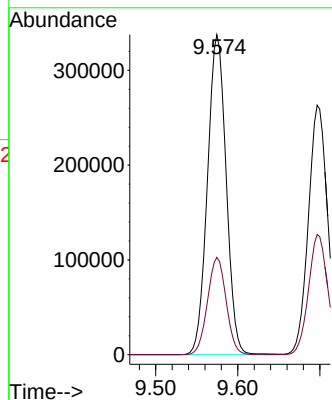
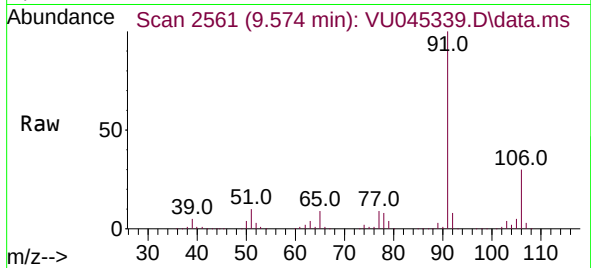




#52
Ethylbenzene
Concen: 49.536 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

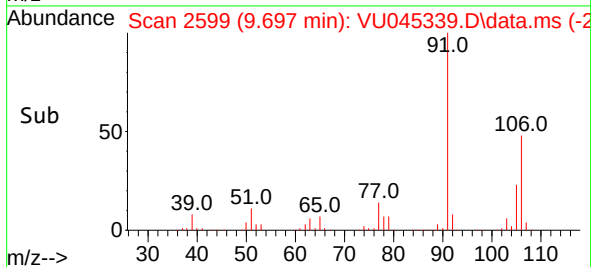
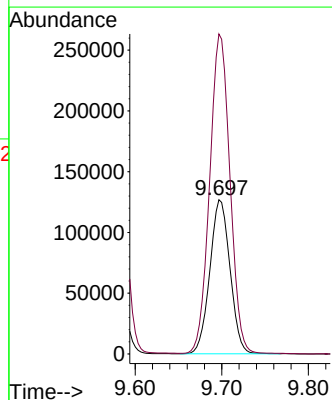
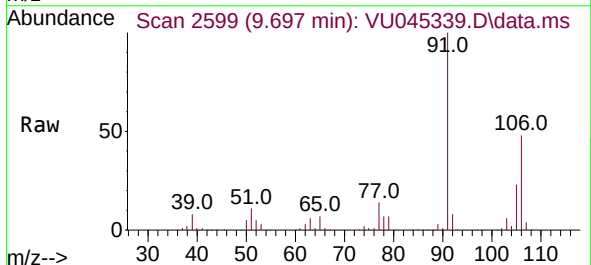
Instrument :
MSVOA_U
ClientSampled :

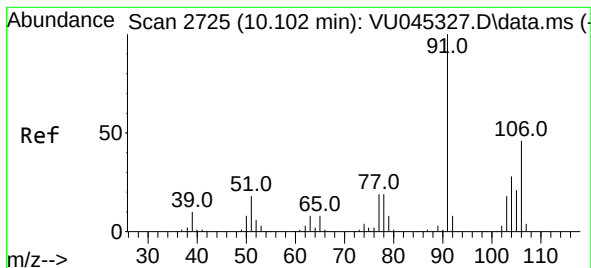
Tgt Ion: 91 Resp: 534880
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 50.045 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion:106 Resp: 205293
Ion Ratio Lower Upper
106 100
91 207.6 144.4 268.2





#54

o-xylene

Concen: 50.522 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. 0.003 min

Lab File: VU045339.D

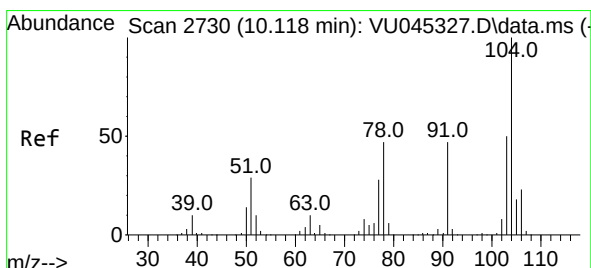
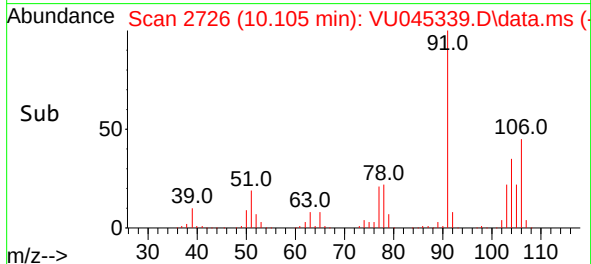
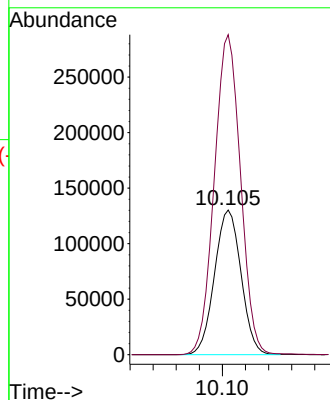
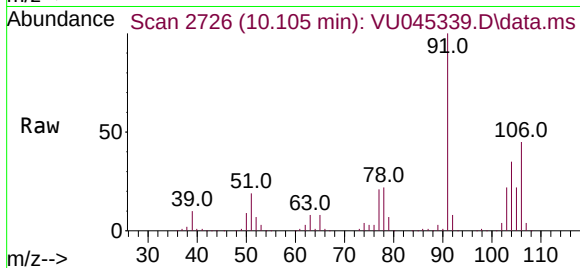
Acq: 20 Oct 2021 11:20

Tgt Ion:106 Resp: 207942

Ion Ratio Lower Upper

106 100

91 221.2 151.1 280.5



#55

Styrene

Concen: 52.028 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VU045339.D

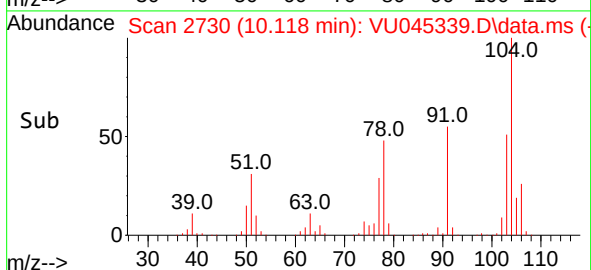
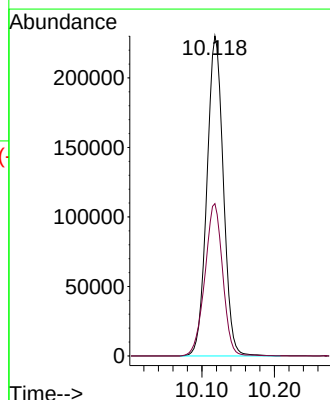
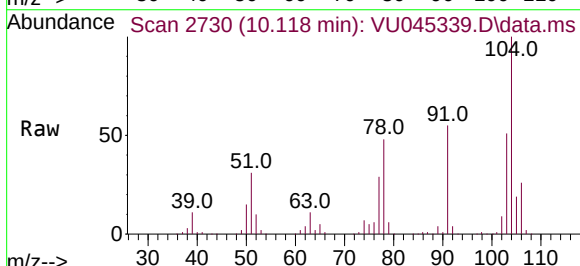
Acq: 20 Oct 2021 11:20

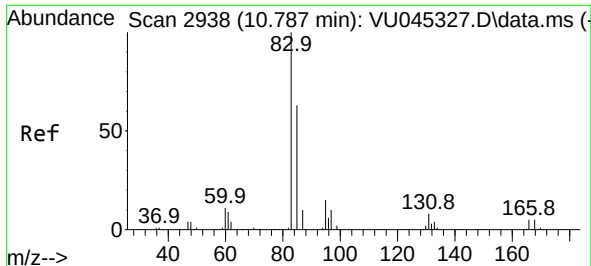
Tgt Ion:104 Resp: 362406

Ion Ratio Lower Upper

104 100

78 47.6 32.7 60.7

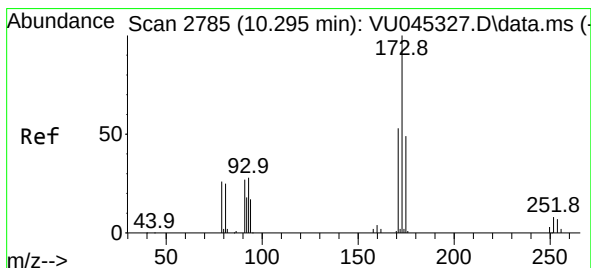
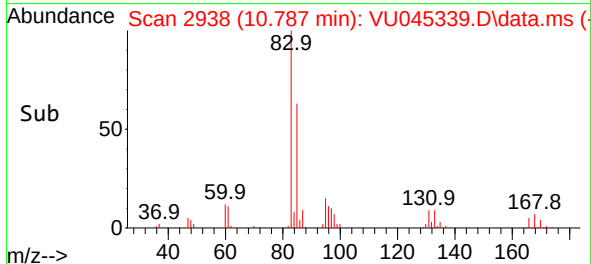
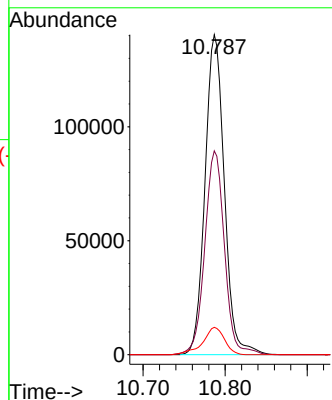
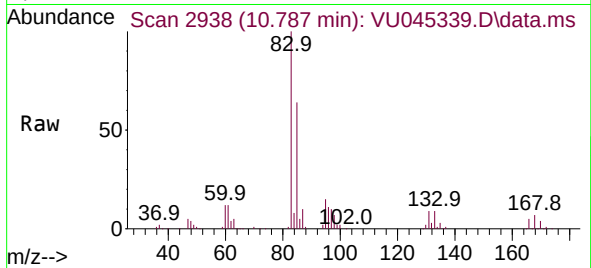




#57
1,1,2,2-Tetrachloroethane
Concen: 52.328 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

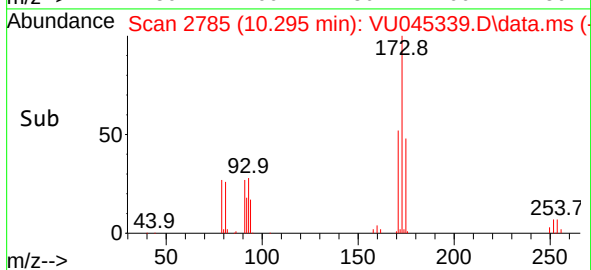
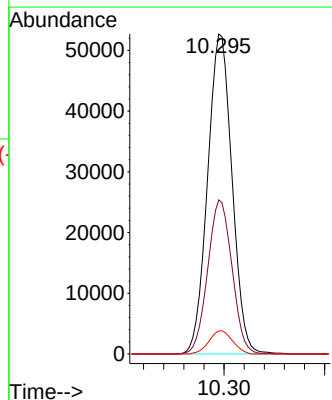
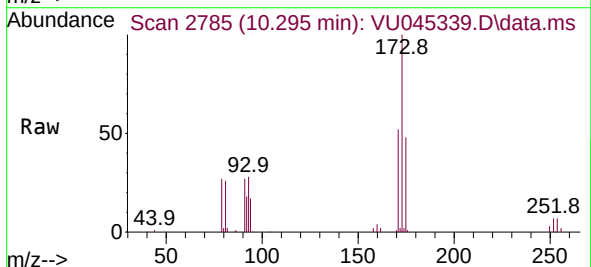
Instrument :
MSVOA_U
ClientSampled :

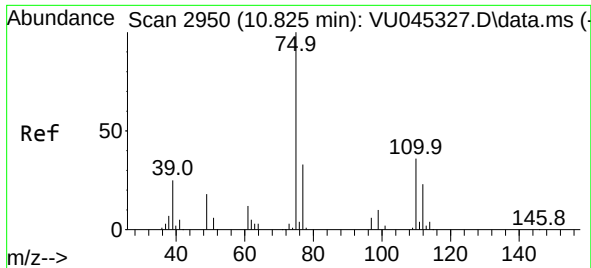
Tgt Ion: 83 Resp: 229848
Ion Ratio Lower Upper
83 100
85 63.7 44.4 82.5
131 8.6 6.8 10.2



#59
Bromoform
Concen: 52.350 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion:173 Resp: 88983
Ion Ratio Lower Upper
173 100
175 47.7 39.3 58.9
254 7.0 5.8 8.6

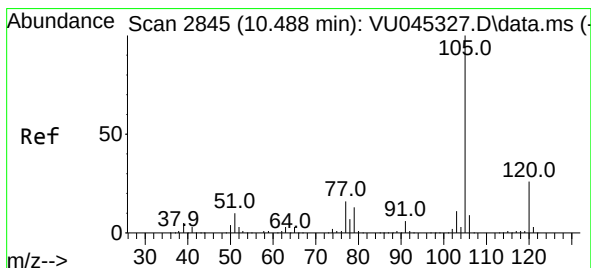
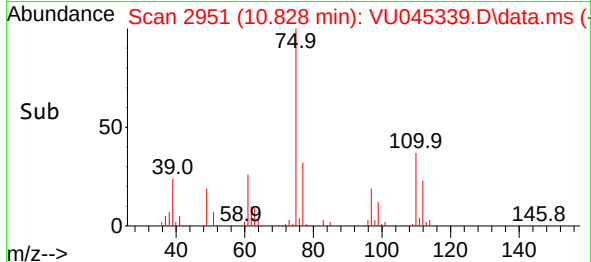
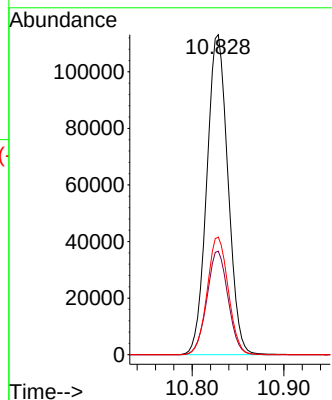
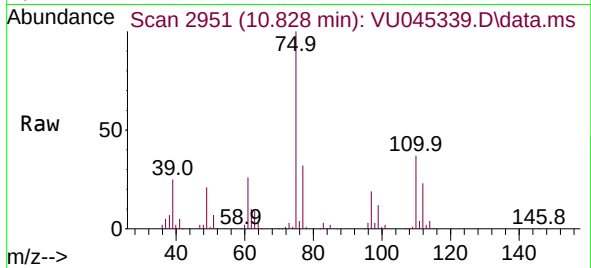




#60
1,2,3-Trichloropropane
Concen: 50.945 ug/L
RT: 10.828 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

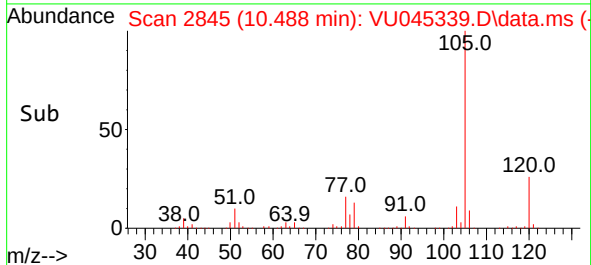
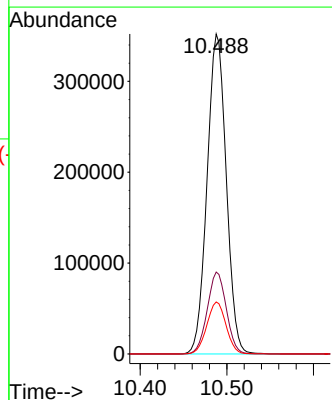
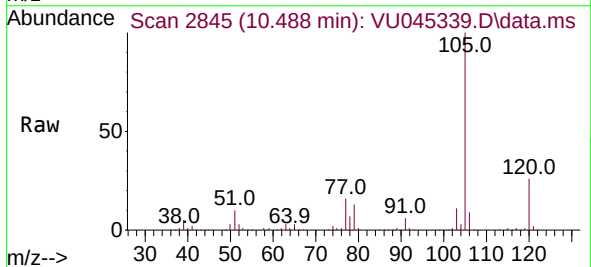
Instrument :
MSVOA_U
ClientSampled :

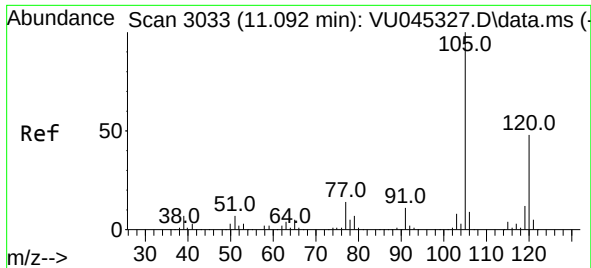
Tgt Ion: 75 Resp: 181385
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 36.6 28.8 43.2



#61
Isopropylbenzene
Concen: 51.104 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 105 Resp: 541090
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 16.3 13.2 19.8

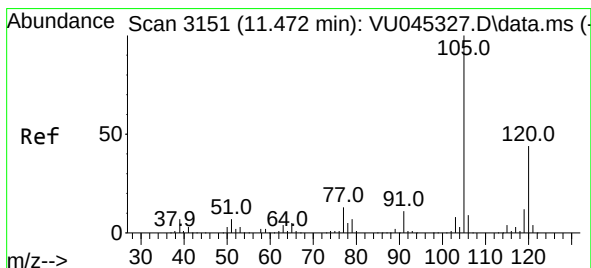
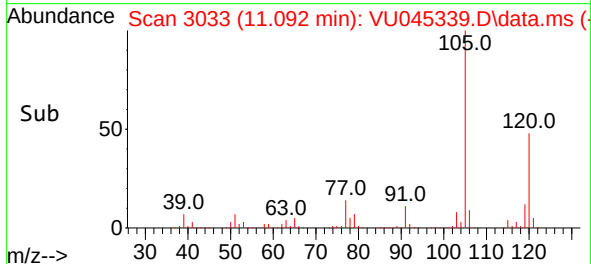
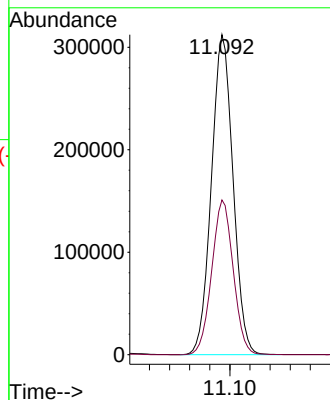
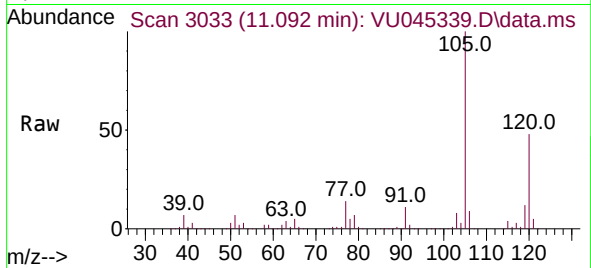




#62
1,3,5-Trimethylbenzene
Concen: 53.228 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

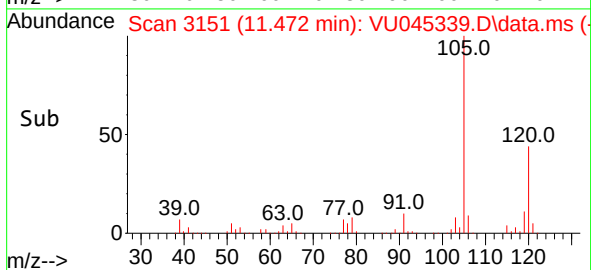
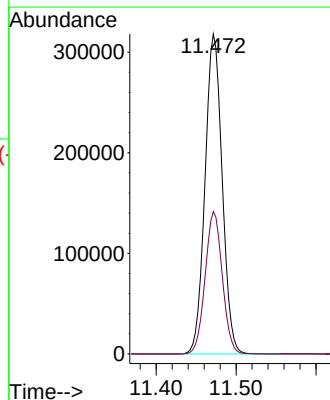
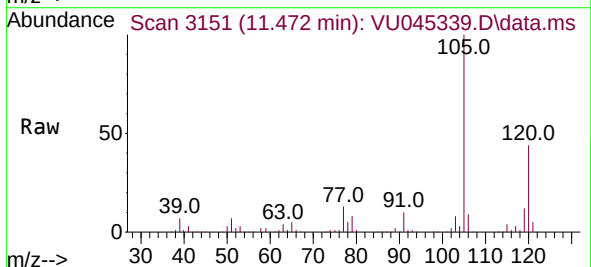
Instrument :
MSVOA_U
ClientSampleId :

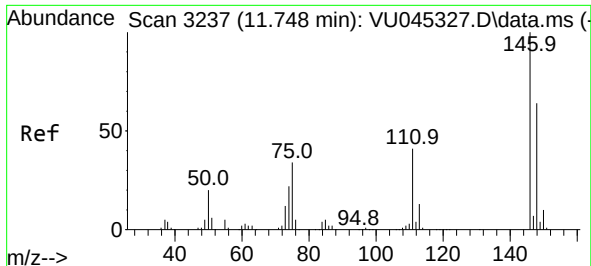
Tgt Ion:105 Resp: 466269
Ion Ratio Lower Upper
105 100
120 48.1 38.2 57.2



#63
1,2,4-Trimethylbenzene
Concen: 53.626 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion:105 Resp: 475606
Ion Ratio Lower Upper
105 100
120 44.4 35.5 53.3

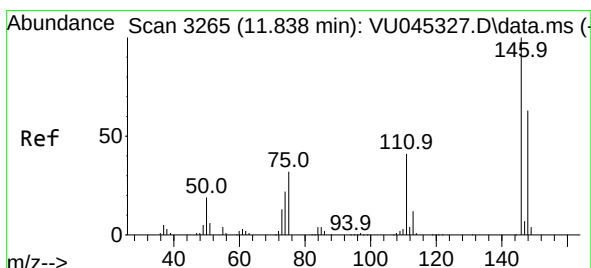
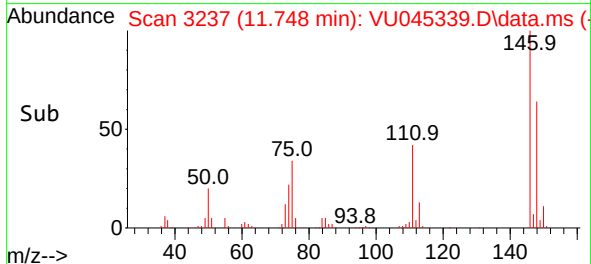
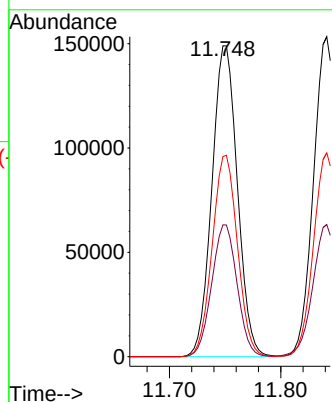
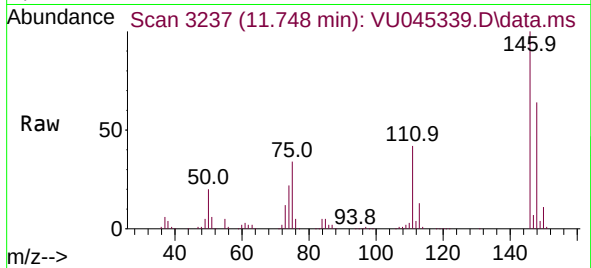




#64
1,3-Dichlorobenzene
Concen: 49.444 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

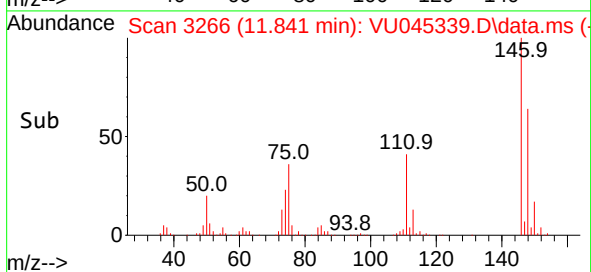
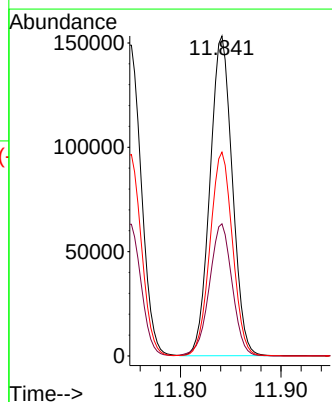
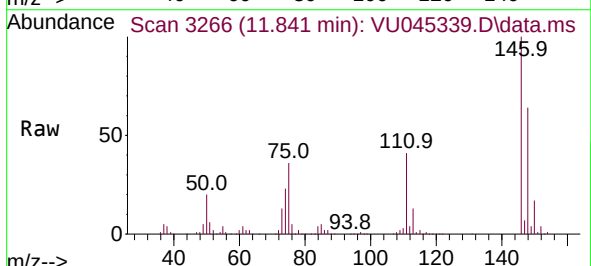
Instrument :
MSVOA_U
ClientSampleId :

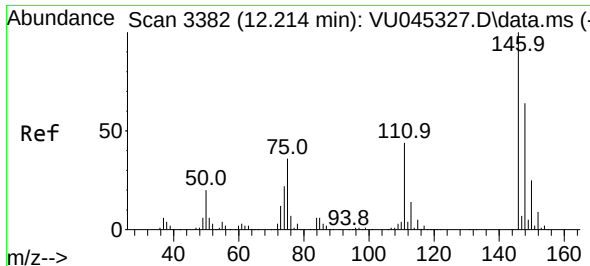
Tgt Ion:146 Resp: 237055
Ion Ratio Lower Upper
146 100
111 42.4 29.0 53.9
148 64.4 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 48.709 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion:146 Resp: 236884
Ion Ratio Lower Upper
146 100
111 41.3 28.6 53.2
148 63.7 44.2 82.0

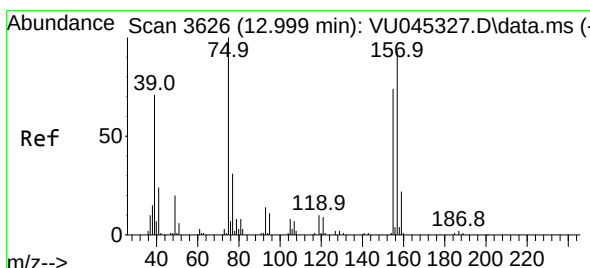
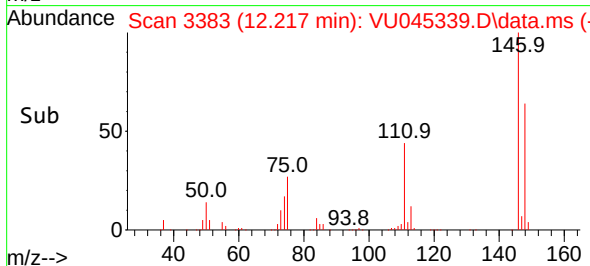
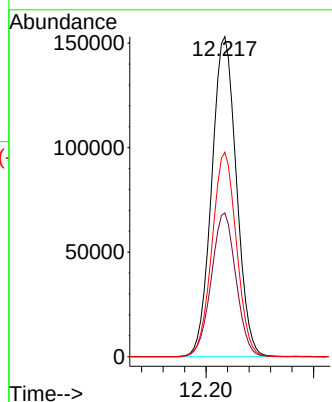
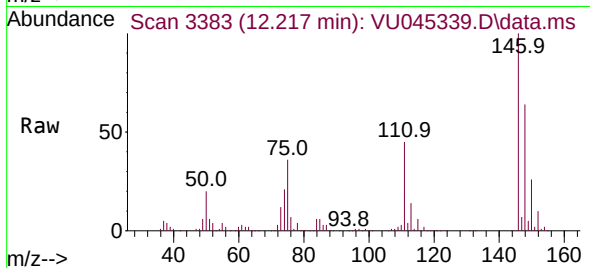




#67
1,2-Dichlorobenzene
Concen: 50.356 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

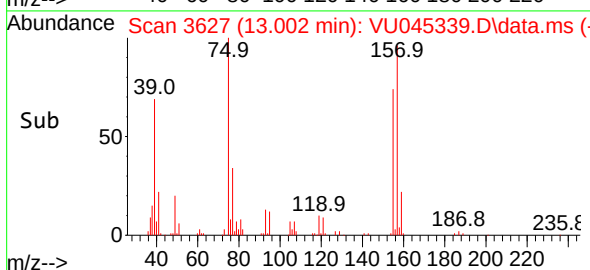
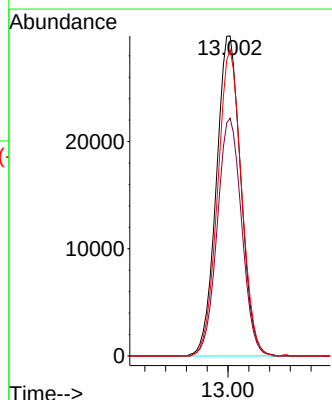
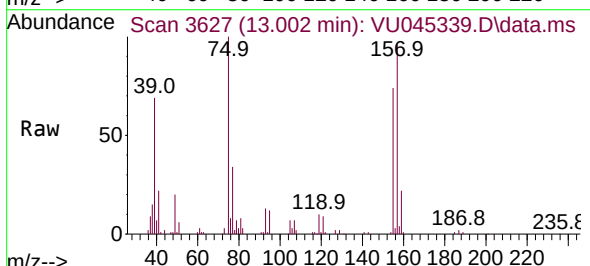
Instrument :
MSVOA_U
ClientSampled :

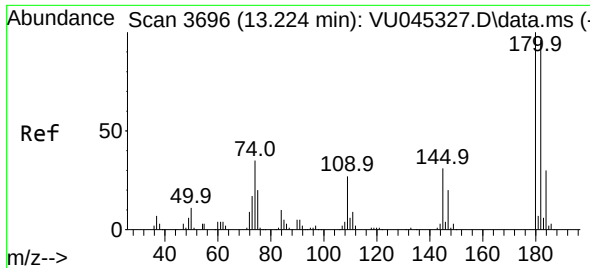
Tgt Ion:146 Resp: 244058
Ion Ratio Lower Upper
146 100
111 44.9 35.2 52.8
148 63.9 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 49.207 ug/L
RT: 13.002 min Scan# 3627
Delta R.T. 0.003 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion: 75 Resp: 48786
Ion Ratio Lower Upper
75 100
155 74.3 61.9 92.9
157 95.6 74.1 111.1



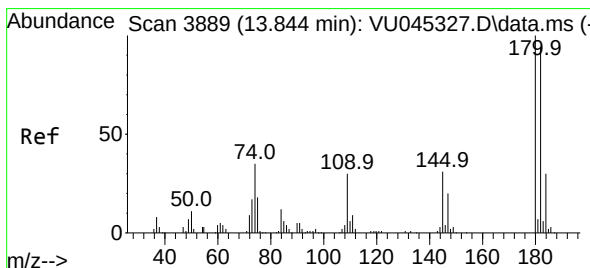
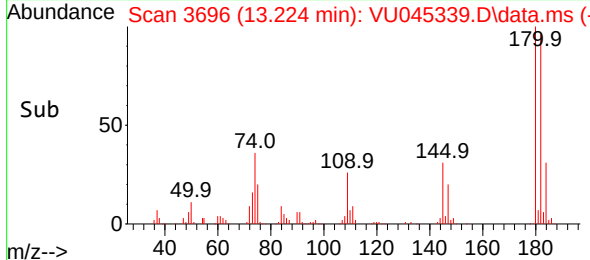
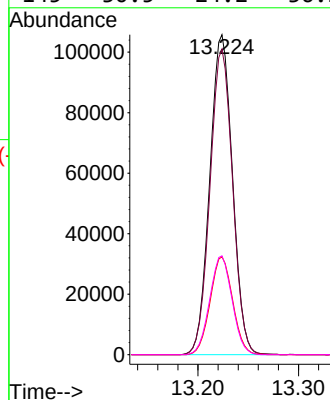
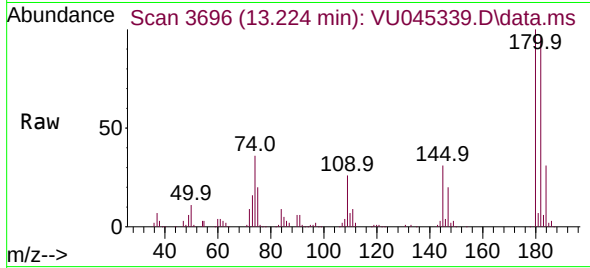


#69
 1,3,5-Trichlorobenzene
 Concen: 50.264 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. -0.000 min
 Lab File: VU045339.D
 Acq: 20 Oct 2021 11:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 165830

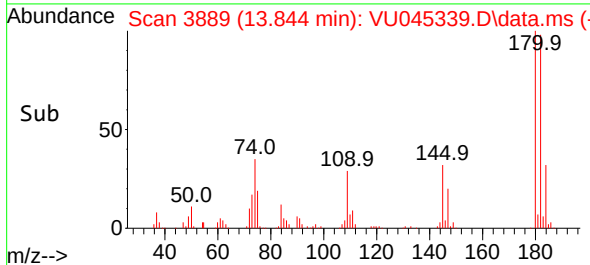
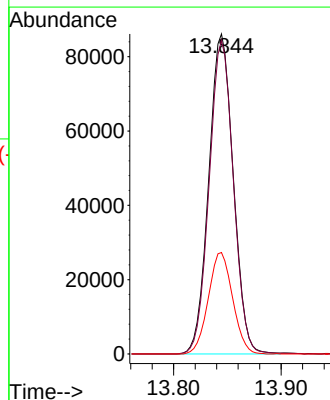
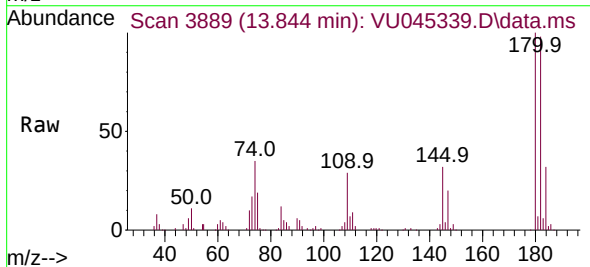
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
184	30.3	23.8	35.8
145	30.5	24.2	36.2

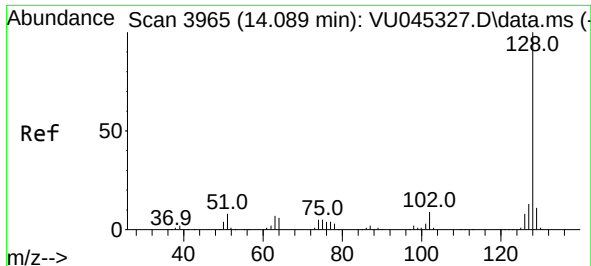


#70
 1,2,4-trichlorobenzene
 Concen: 49.390 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. -0.000 min
 Lab File: VU045339.D
 Acq: 20 Oct 2021 11:20

Tgt Ion:180 Resp: 136595

Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.7	113.5
145	31.4	25.1	37.7

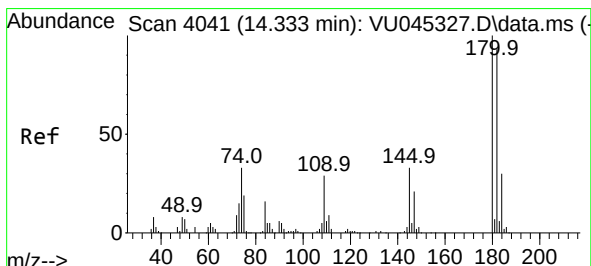
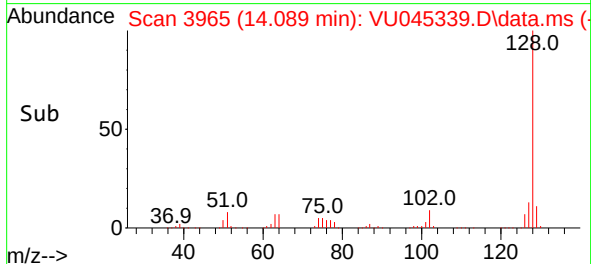
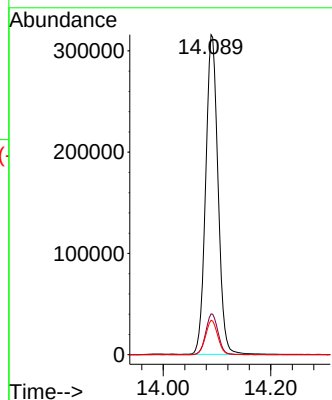
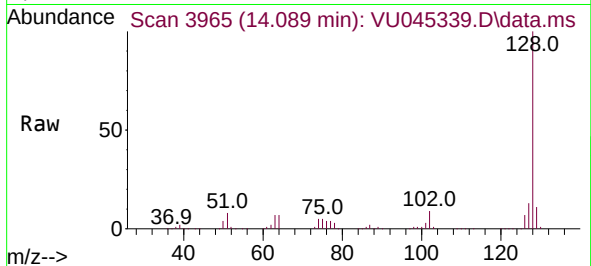




#71
Naphthalene
Concen: 54.214 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:128 Resp: 501174
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 50.438 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. -0.000 min
Lab File: VU045339.D
Acq: 20 Oct 2021 11:20

Tgt Ion:180 Resp: 139354
Ion Ratio Lower Upper
180 100
182 95.6 75.0 112.4
145 33.6 26.4 39.6

