

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082622\
 Data File : VU050471.D
 Acq On : 26 Aug 2022 20:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.53g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050177

Quant Time: Aug 27 02:51:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 27 02:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	358202	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	349914	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	162110	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	179903	42.475	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.960%
7) Chloroethane-d5	1.900	69	144155	45.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.562	63	264600	44.205	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.420%
21) 2-Butanone-d5	4.623	46	271503	97.934	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.930%
24) Chloroform-d	5.060	84	303609	44.655	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.300%
26) 1,2-Dichloroethane-d4	5.700	65	187177	44.296	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.600%
32) Benzene-d6	5.726	84	611958	47.332	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.660%
36) 1,2-Dichloropropane-d6	6.690	67	199779	46.643	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.280%
41) Toluene-d8	7.899	98	543088	48.004	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.179	79	72434	40.541	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.080%
47) 2-Hexanone-d5	8.636	63	172519	108.536	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.540%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	296836	44.932	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	180255	46.548	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	126603	45.216	ug/L	100
3) Chloromethane	1.517	50	155795	47.809	ug/L	98
5) Vinyl chloride	1.601	62	147096	46.163	ug/L	100
6) Bromomethane	1.839	94	64729	54.937	ug/L	99
8) Chloroethane	1.922	64	96499	49.849	ug/L	100
9) Trichlorofluoromethane	2.131	101	185866	45.847	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	110966	44.645	ug/L	98
12) 1,1-Dichloroethene	2.575	96	102949	46.852	ug/L	97
13) Acetone	2.629	43	163311	89.594	ug/L	100
14) Carbon disulfide	2.787	76	212310	37.864	ug/L	100
15) Methyl Acetate	2.948	43	171801	52.387	ug/L	98
16) Methylene chloride	3.041	84	147387	48.128	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	108344	46.904	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	405695	55.492	ug/L	100
19) 1,1-Dichloroethane	3.867	63	246816	49.320	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	140322	50.729	ug/L	99
22) 2-Butanone	4.703	43	258863	104.787	ug/L	100
23) Bromochloromethane	4.973	128	74519	49.325	ug/L	97
25) Chloroform	5.086	83	264155	49.548	ug/L	99

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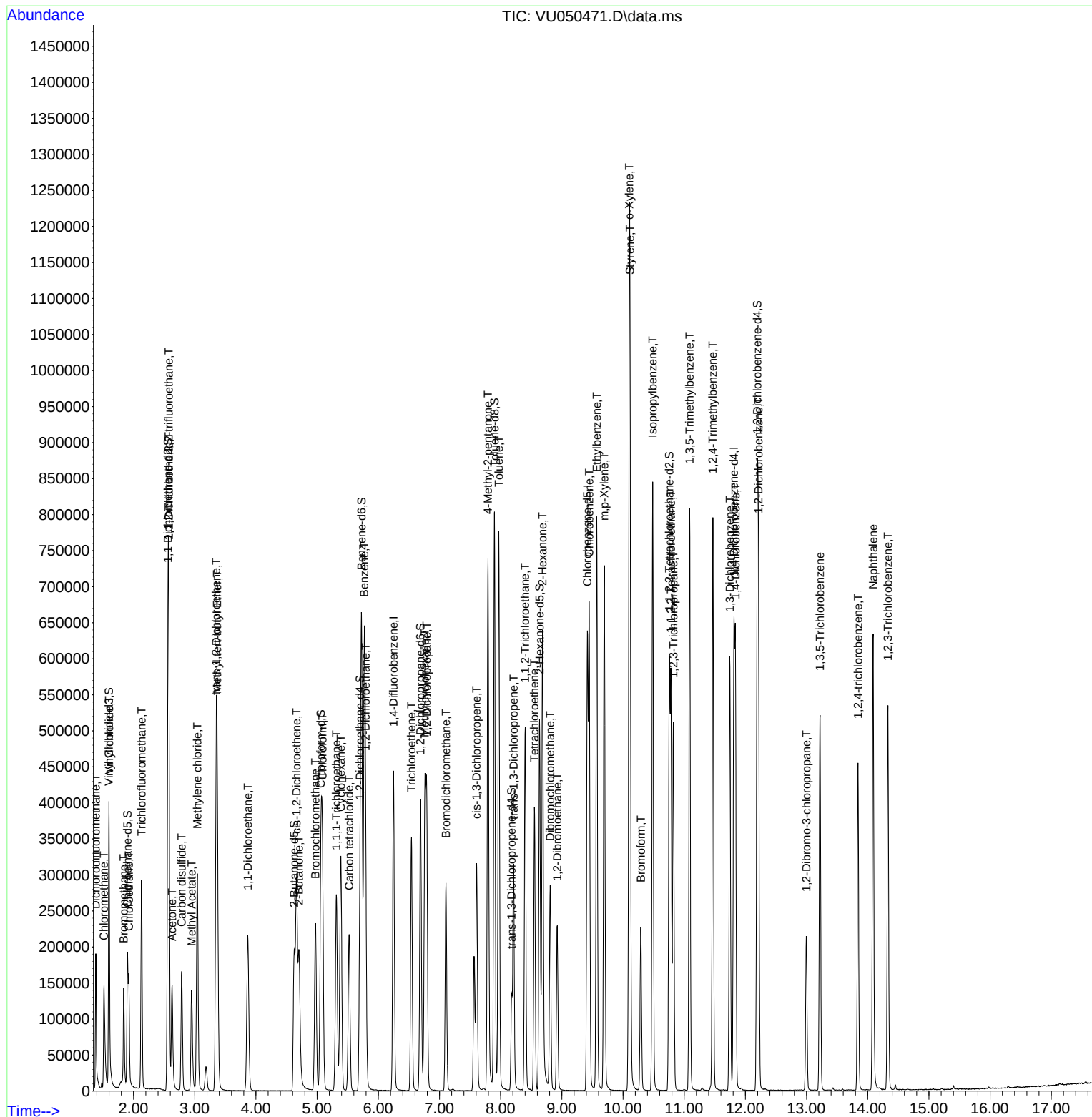
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	199523	50.170	ug/L	98
29) Cyclohexane	5.388	56	154837	48.104	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	192656	48.124	ug/L	100
31) Carbon tetrachloride	5.523	117	149239	45.426	ug/L	100
33) Benzene	5.771	78	559207	52.784	ug/L	100
34) Trichloroethene	6.542	95	124179	49.518	ug/L	99
35) Methylcyclohexane	6.761	83	156174	44.537	ug/L	99
37) 1,2-Dichloropropane	6.790	63	159476	51.823	ug/L	99
38) Bromodichloromethane	7.105	83	186351	47.464	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	190424	47.121	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	473541	115.796	ug/L	100
42) Toluene	7.970	91	574113	53.787	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	174468	46.317	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	156929	51.825	ug/L	97
46) Tetrachloroethene	8.552	164	87265	47.380	ug/L	97
48) 2-Hexanone	8.684	43	395018	115.666	ug/L	99
49) Dibromochloromethane	8.809	129	145353	46.340	ug/L	98
50) 1,2-Dibromoethane	8.925	107	151801	50.163	ug/L	99
51) Chlorobenzene	9.446	112	353960	50.532	ug/L	99
52) Ethylbenzene	9.571	91	552891	51.394	ug/L	100
53) m,p-Xylene	9.693	106	209741	52.207	ug/L	99
54) o-Xylene	10.102	106	217821	54.573	ug/L	98
55) Styrene	10.115	104	374609	55.157	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	286011	51.691	ug/L	99
59) Bromoform	10.292	173	102513	44.159	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	217717	52.117	ug/L	99
61) Isopropylbenzene	10.484	105	533433	53.200	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	432246	53.388	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	431192	54.605	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	244573	49.885	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	242561	49.127	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	267020	51.792	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	52951	47.693	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	165072	48.845	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	137776	50.905	ug/L	98
71) Naphthalene	14.089	128	514552	57.956	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	161399	54.563	ug/L	99

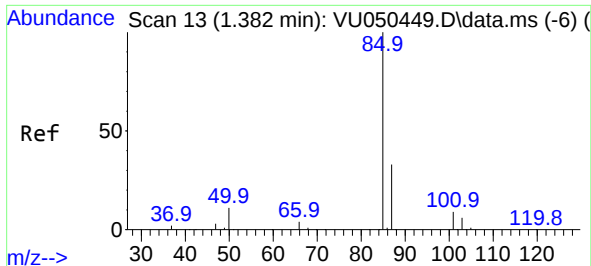
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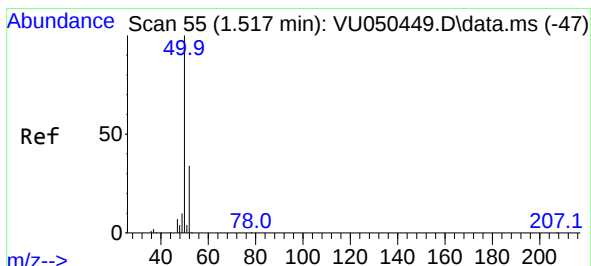
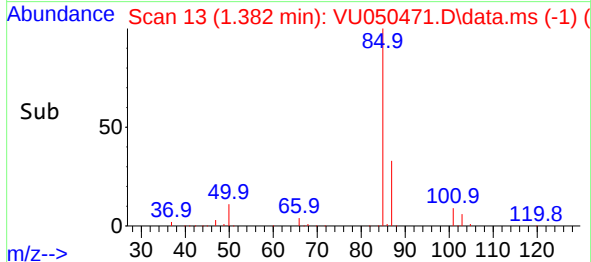
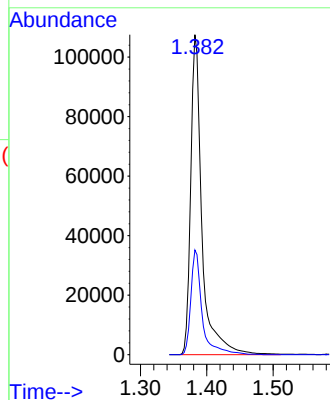
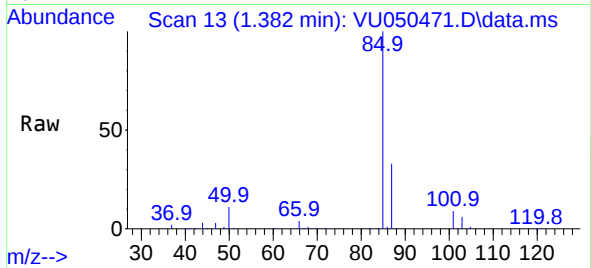




#2
Dichlorodifluoromethane
Concen: 45.216 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

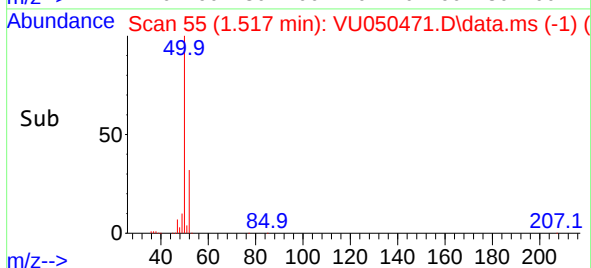
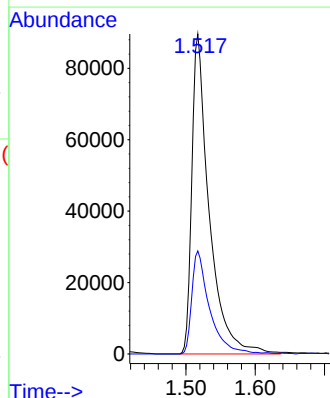
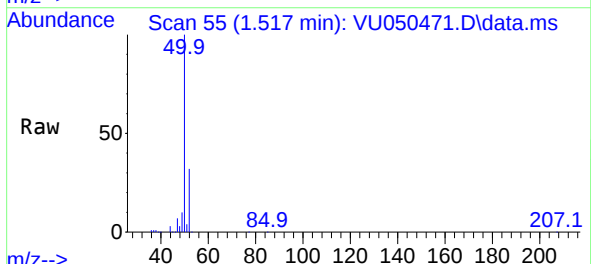
Instrument :
MSVOA_U
ClientSampleId :
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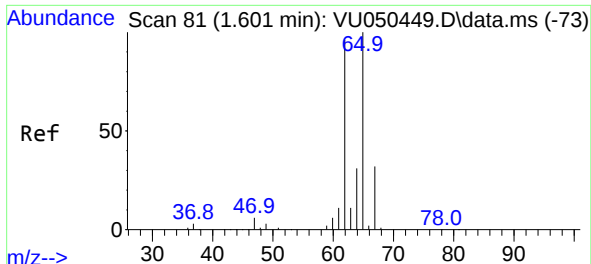
Tgt Ion: 85 Resp: 126603
Ion Ratio Lower Upper
85 100
87 33.0 26.2 39.4



#3
Chloromethane
Concen: 47.809 ug/L
RT: 1.517 min Scan# 55
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 50 Resp: 155795
Ion Ratio Lower Upper
50 100
52 32.2 23.4 43.6

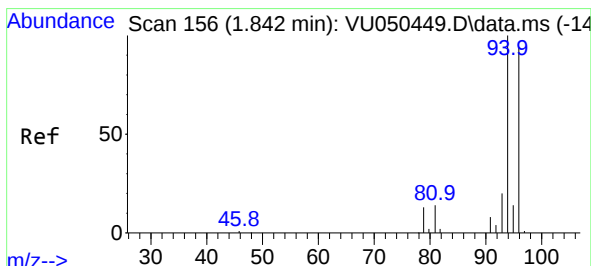
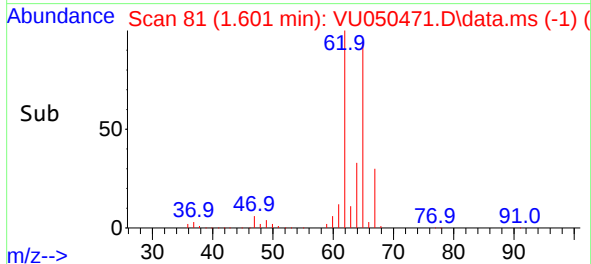
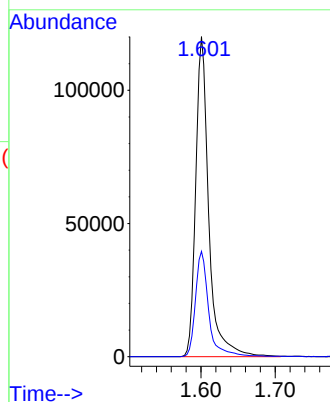
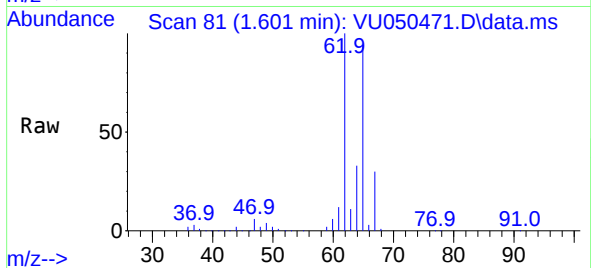




#5
 Vinyl chloride
 Concen: 46.163 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050471.D
 Acq: 26 Aug 2022 20:47

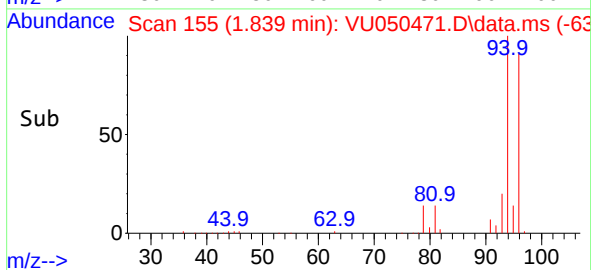
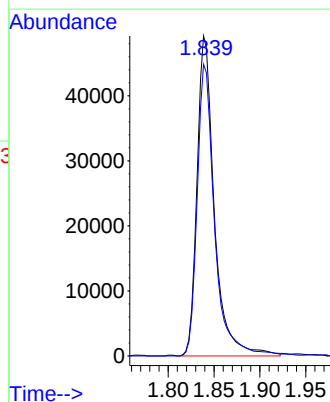
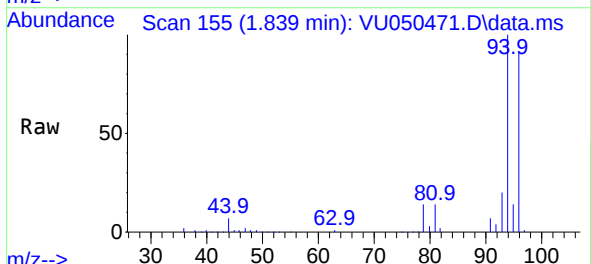
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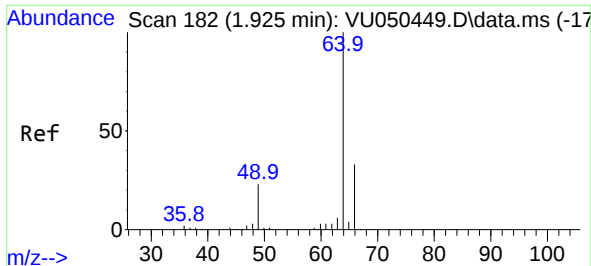
Tgt Ion: 62 Resp: 147096
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.1 42.9



#6
 Bromomethane
 Concen: 54.937 ug/L
 RT: 1.839 min Scan# 155
 Delta R.T. -0.003 min
 Lab File: VU050471.D
 Acq: 26 Aug 2022 20:47

Tgt Ion: 94 Resp: 64729
 Ion Ratio Lower Upper
 94 100
 96 91.2 63.3 117.5

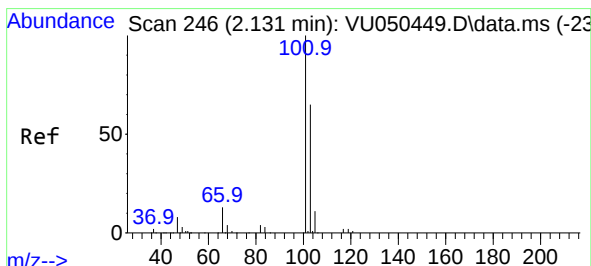
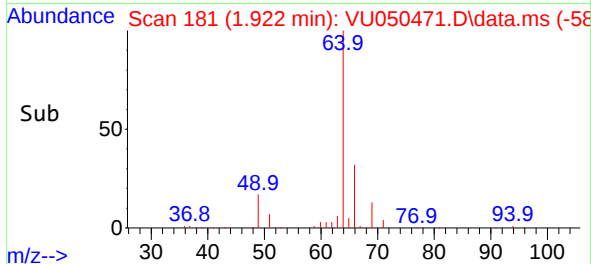
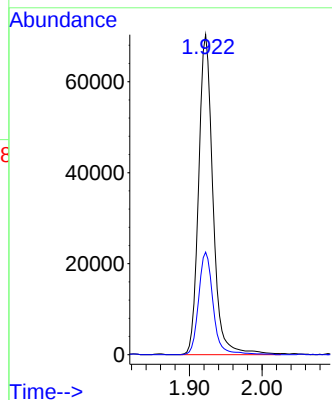
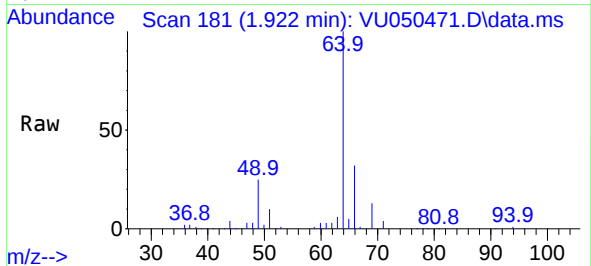




#8
Chloroethane
Concen: 49.849 ug/L
RT: 1.922 min Scan# 182
Delta R.T. -0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

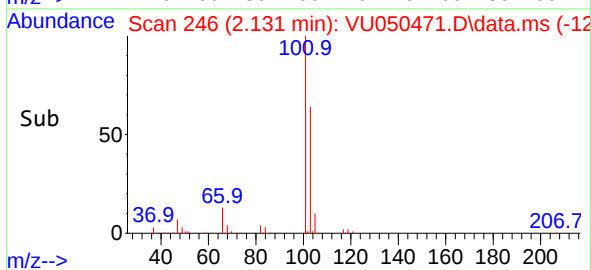
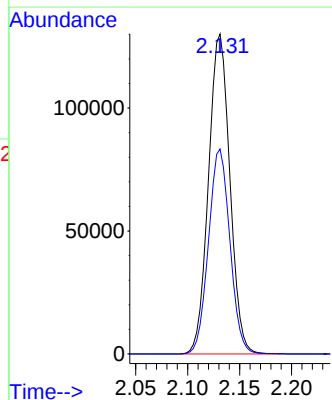
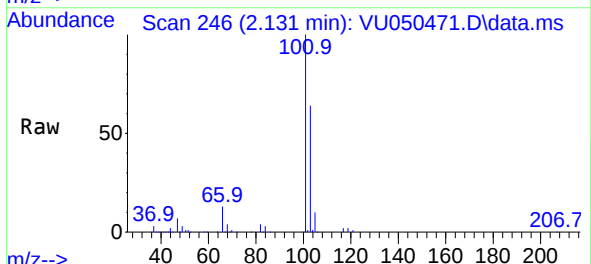
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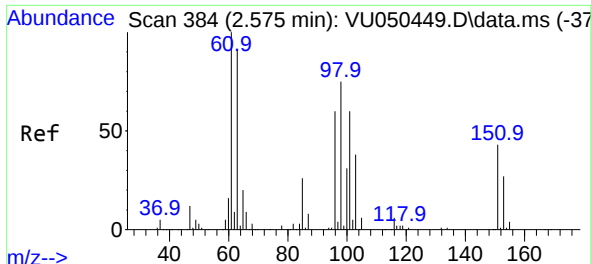
Tgt Ion: 64 Resp: 96499
Ion Ratio Lower Upper
64 100
66 32.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 45.847 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion:101 Resp: 185866
Ion Ratio Lower Upper
101 100
103 64.1 51.1 76.7

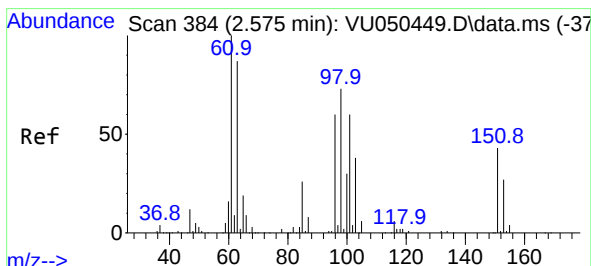
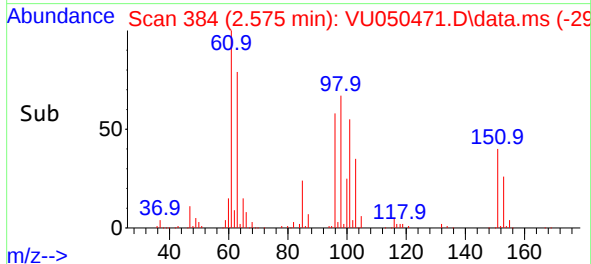
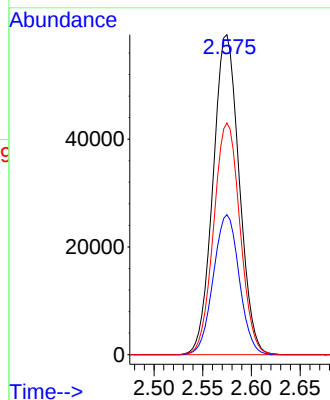
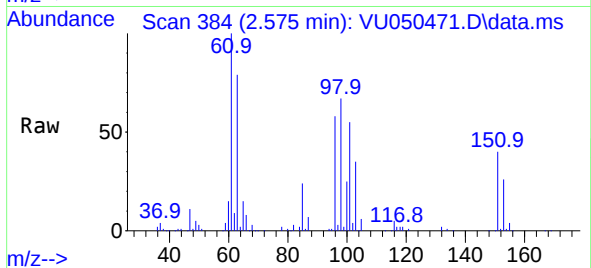




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.645 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

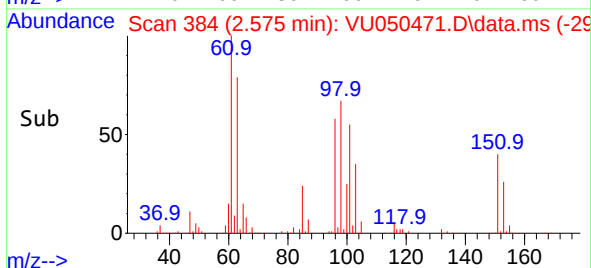
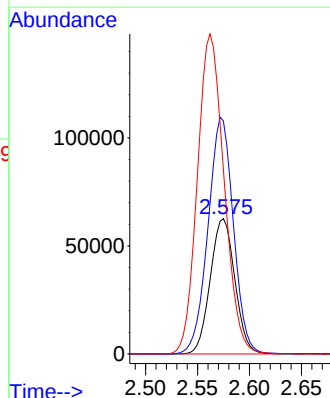
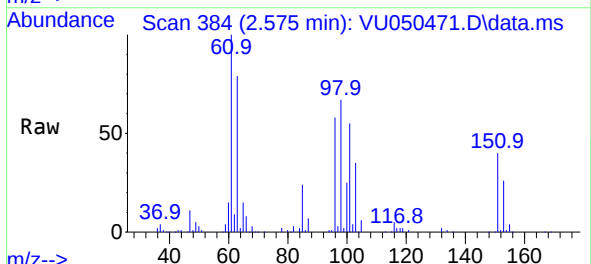
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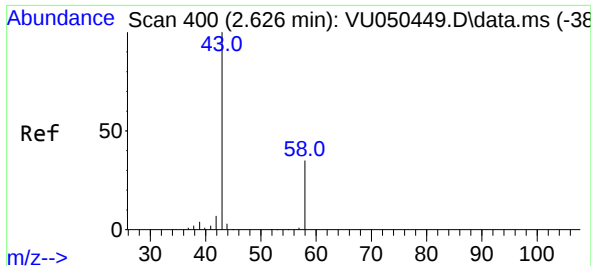
Tgt Ion:101 Resp: 110966
Ion Ratio Lower Upper
101 100
85 43.3 35.3 52.9
151 73.0 57.3 85.9



#12
1,1-Dichloroethene
Concen: 46.852 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 96 Resp: 102949
Ion Ratio Lower Upper
96 100
61 172.1 116.8 216.8
63 136.2 97.4 180.8





#13

Acetone

Concen: 89.594 ug/L

RT: 2.629 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

Instrument :

MSVOA_U

ClientSampleId :

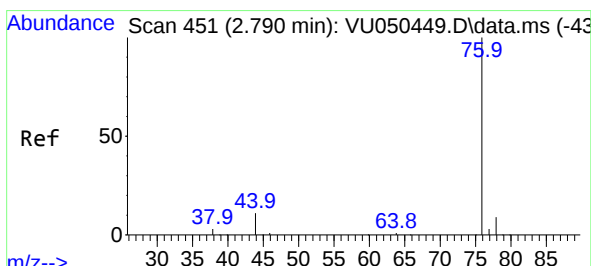
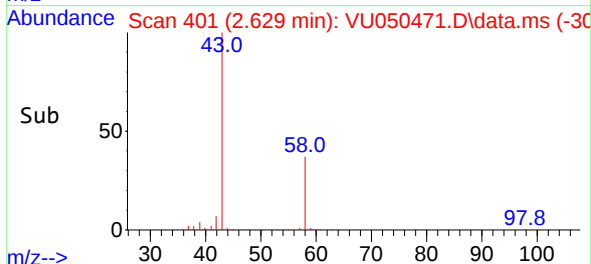
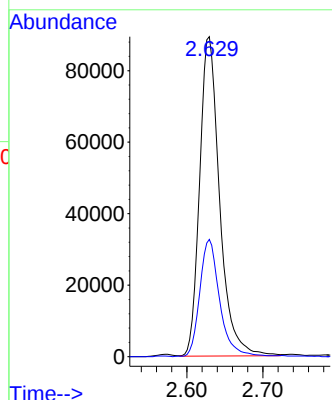
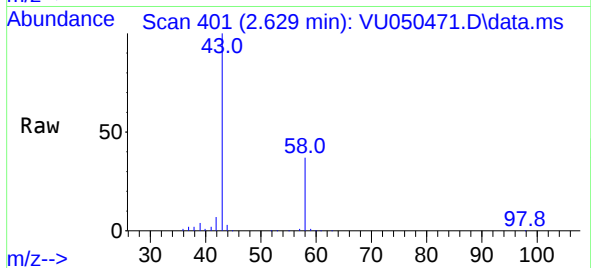
VSTD050177

Tgt Ion: 43 Resp: 163311

Ion Ratio Lower Upper

43 100

58 36.2 0.0 72.2



#14

Carbon disulfide

Concen: 37.864 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

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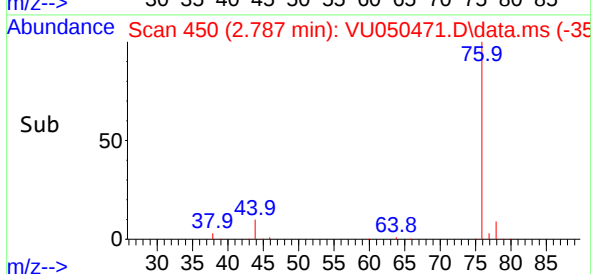
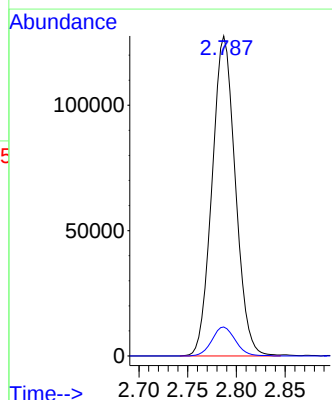
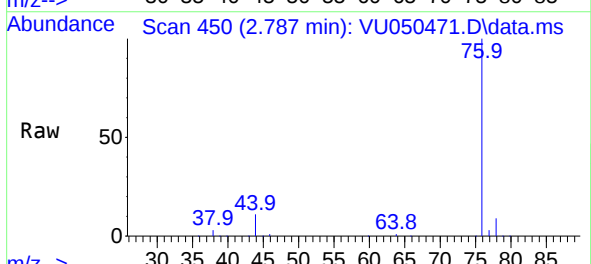
Acq: 26 Aug 2022 20:47

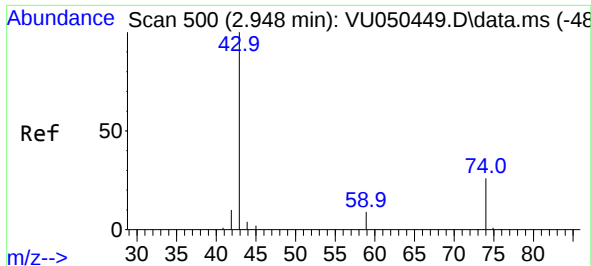
Tgt Ion: 76 Resp: 212310

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

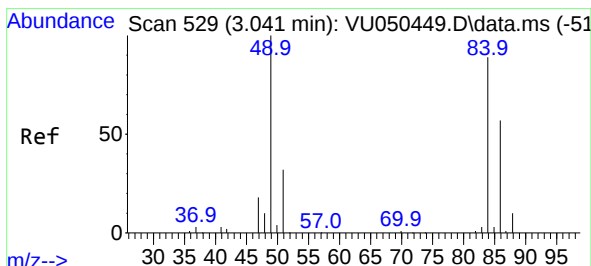
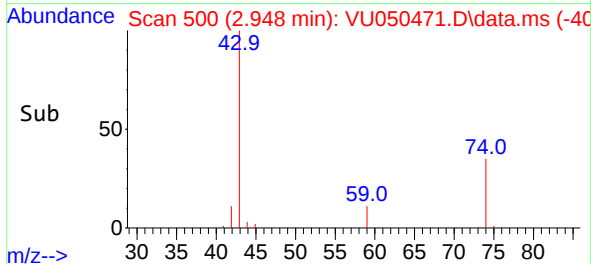
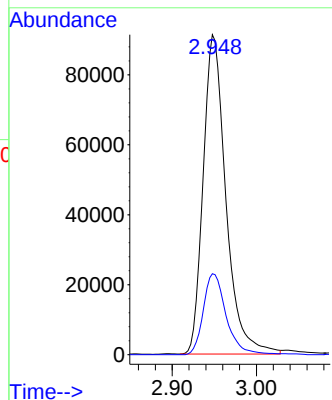
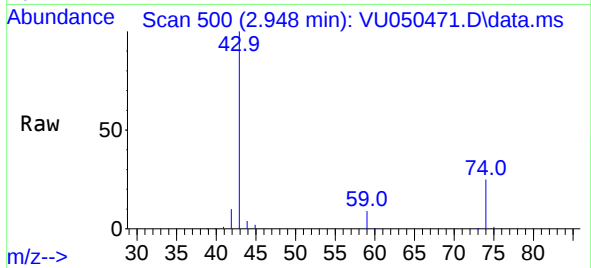




#15
Methyl Acetate
Concen: 52.387 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

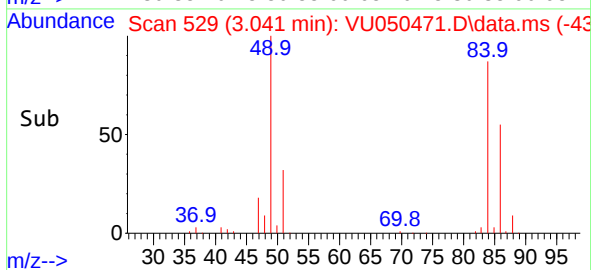
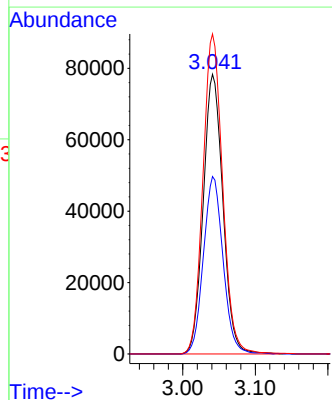
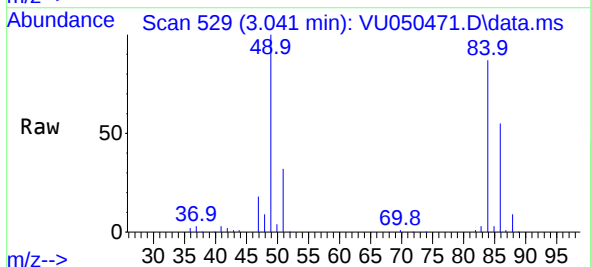
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

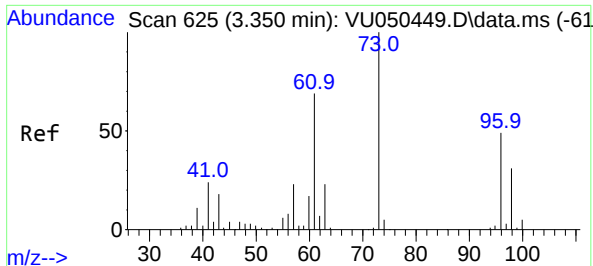
Tgt Ion: 43 Resp: 171801
Ion Ratio Lower Upper
43 100
74 25.5 21.2 31.8



#16
Methylene chloride
Concen: 48.128 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 84 Resp: 147387
Ion Ratio Lower Upper
84 100
86 63.5 43.9 81.5
49 114.4 80.4 149.4

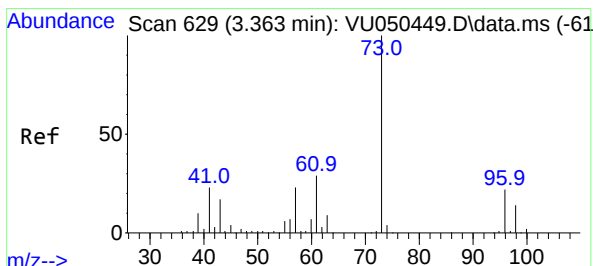
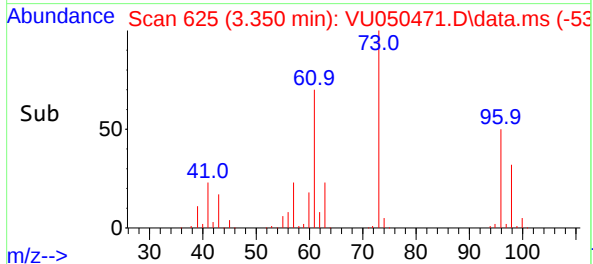
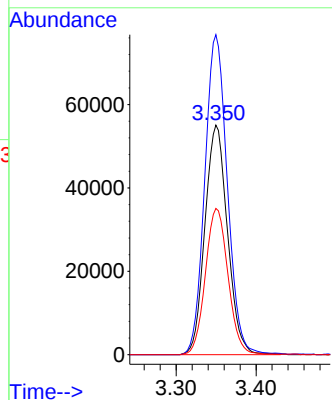
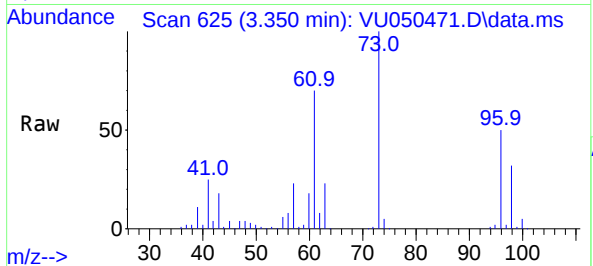




#17
trans-1,2-Dichloroethene
Concen: 46.904 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

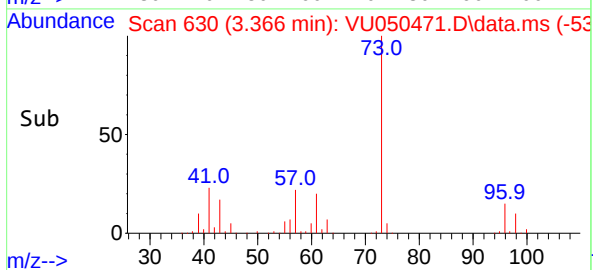
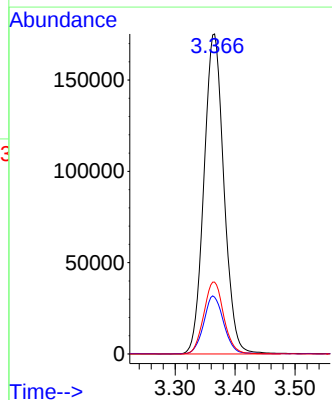
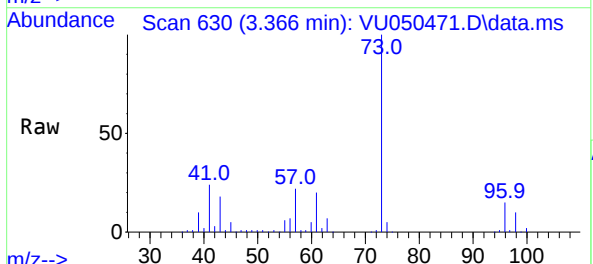
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

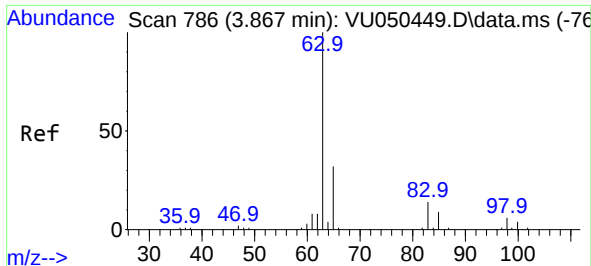
Tgt Ion: 96 Resp: 108344
Ion Ratio Lower Upper
96 100
61 139.4 98.5 182.9
98 63.7 45.7 84.9



#18
Methyl tert-butyl Ether
Concen: 55.492 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 73 Resp: 405695
Ion Ratio Lower Upper
73 100
43 18.0 14.4 21.6
57 22.6 17.8 26.8

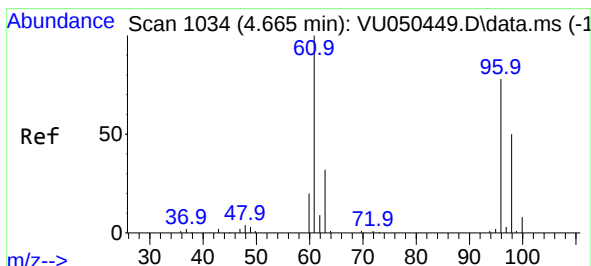
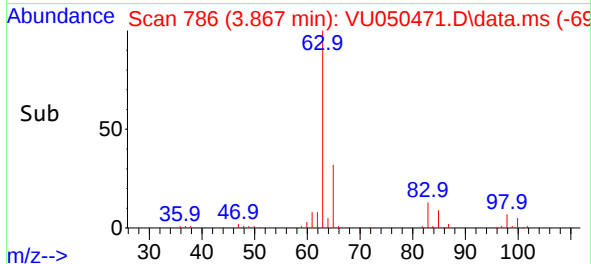
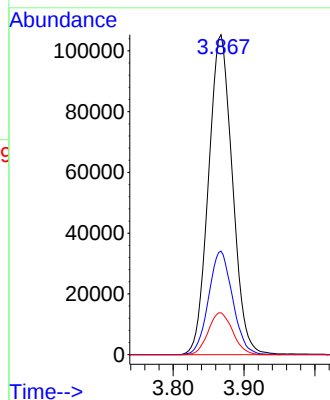
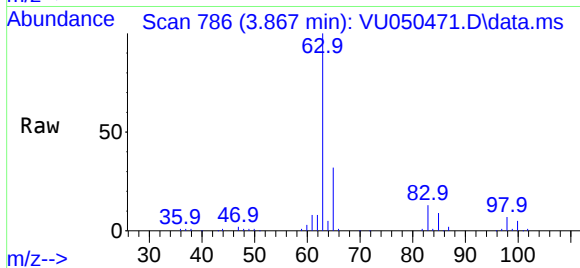




#19
1,1-Dichloroethane
Concen: 49.320 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

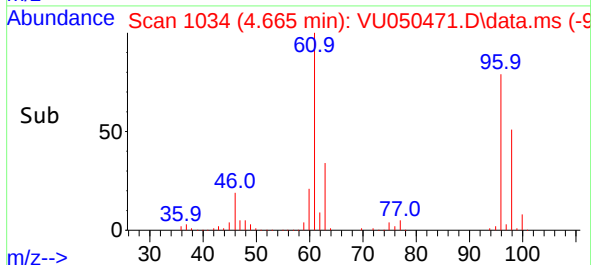
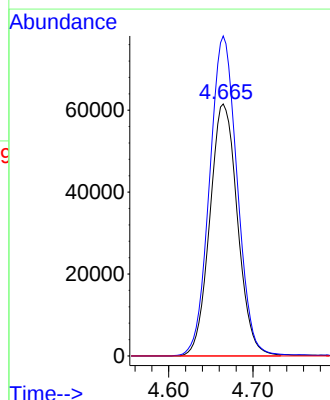
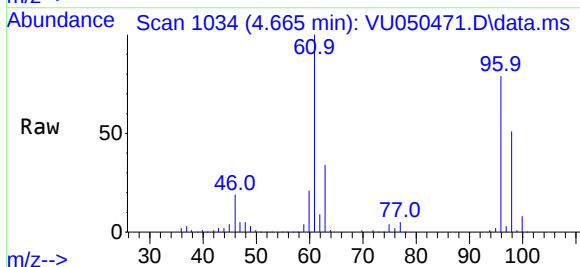
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

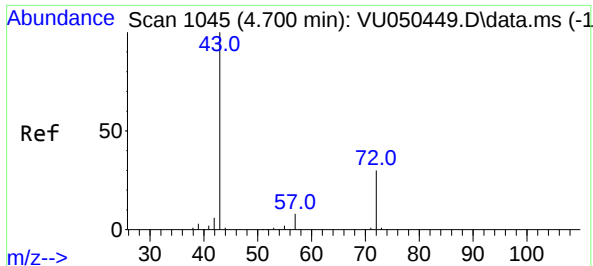
Tgt Ion: 63 Resp: 246816
Ion Ratio Lower Upper
63 100
65 32.4 23.3 43.3
83 13.1 9.0 16.8



#20
cis-1,2-Dichloroethene
Concen: 50.729 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 96 Resp: 140322
Ion Ratio Lower Upper
96 100
61 127.0 88.1 163.5
68 0.0 0.0 0.0

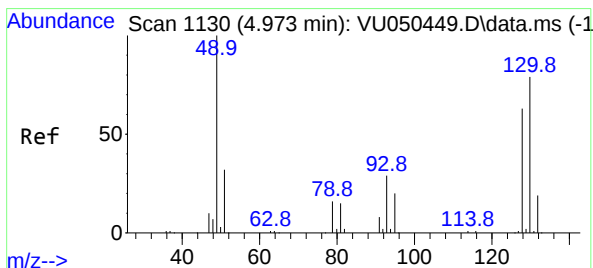
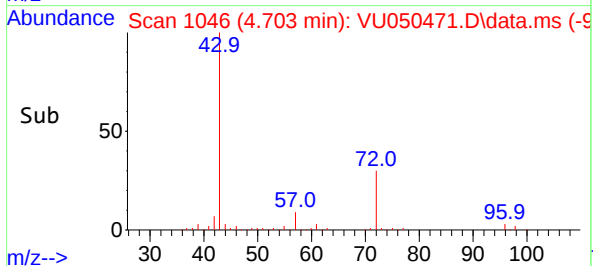
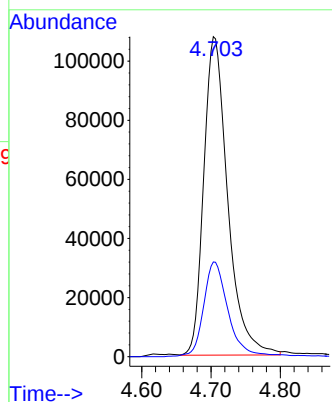
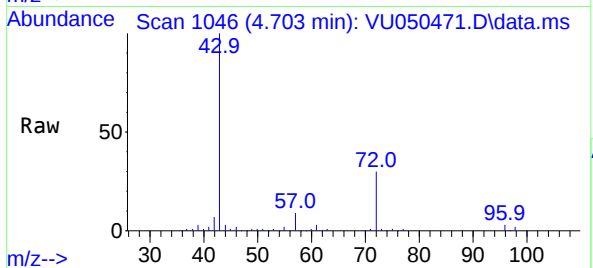




#22
2-Butanone
Concen: 104.787 ug/L
RT: 4.703 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

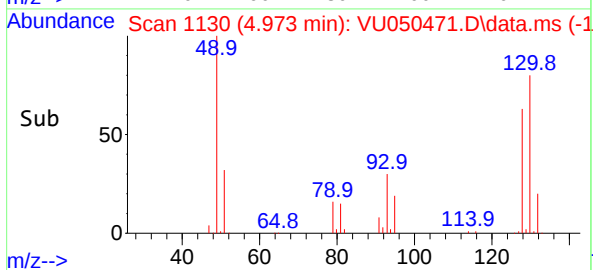
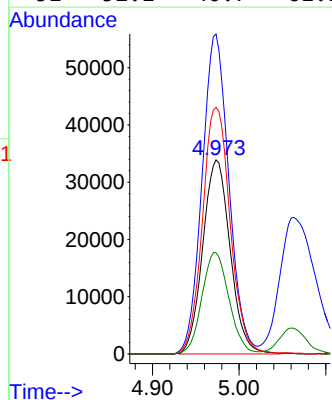
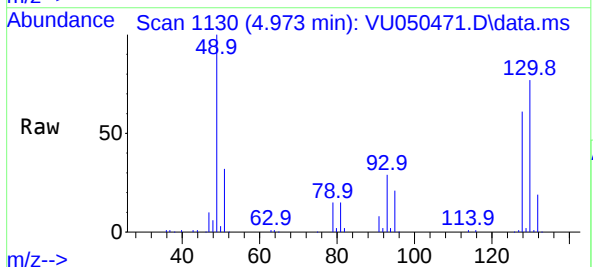
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

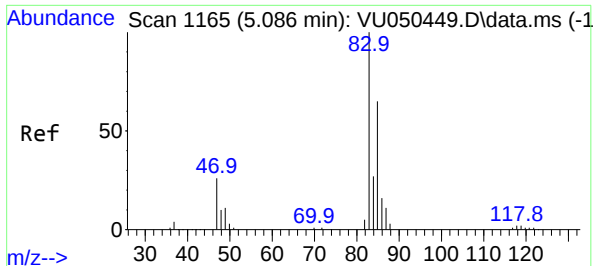
Tgt Ion: 43 Resp: 258863
Ion Ratio Lower Upper
43 100
72 30.2 15.0 45.0



#23
Bromochloromethane
Concen: 49.325 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 128 Resp: 74519
Ion Ratio Lower Upper
128 100
49 164.9 111.2 206.4
130 127.0 91.1 169.1
51 52.1 40.7 61.1





#25

Chloroform

Concen: 49.548 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

Instrument :

MSVOA_U

ClientSampleId :

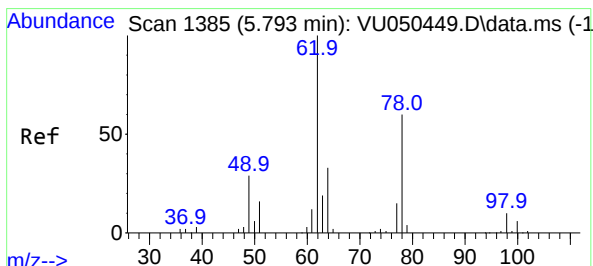
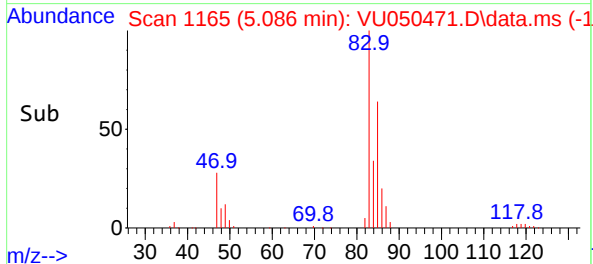
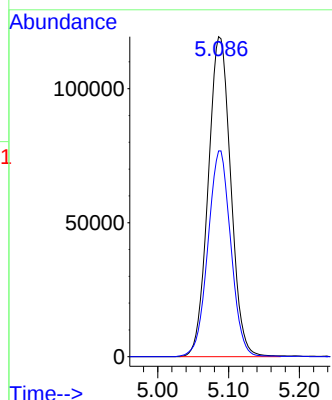
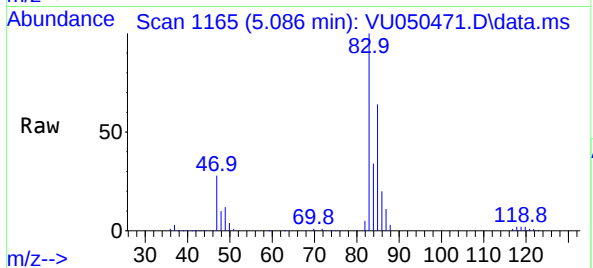
VSTD050177

Tgt Ion: 83 Resp: 264155

Ion Ratio Lower Upper

83 100

85 64.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 50.170 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050471.D

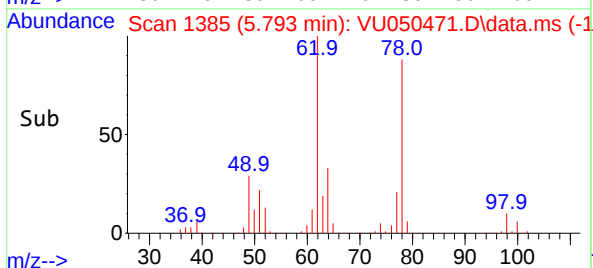
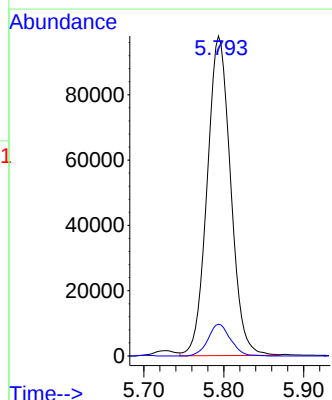
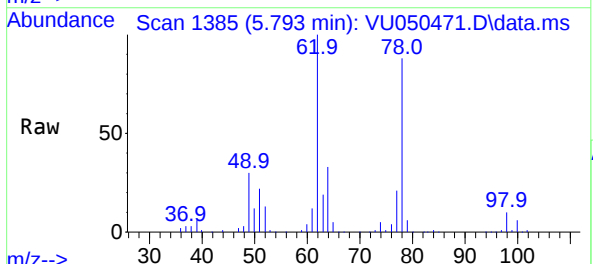
Acq: 26 Aug 2022 20:47

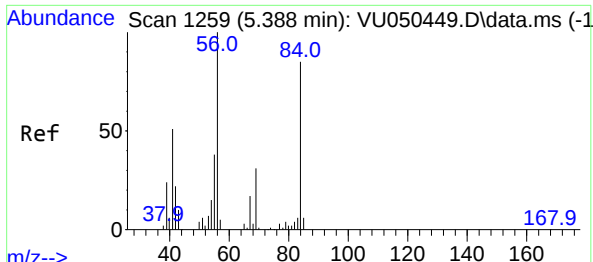
Tgt Ion: 62 Resp: 199523

Ion Ratio Lower Upper

62 100

98 9.9 7.3 10.9





#29

Cyclohexane

Concen: 48.104 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD050177

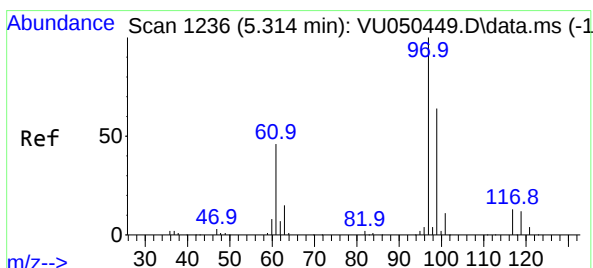
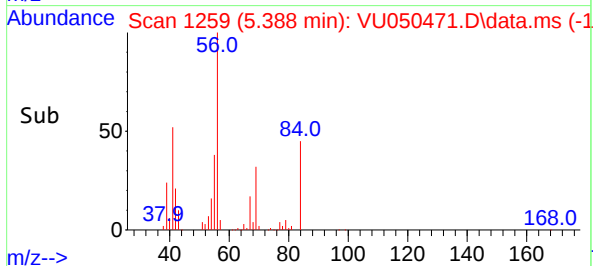
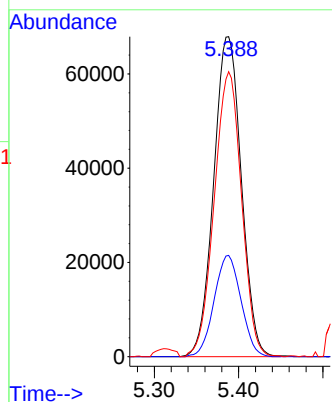
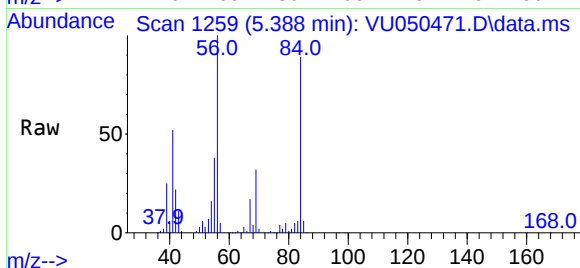
Tgt Ion: 56 Resp: 154837

Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 87.9 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 48.124 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

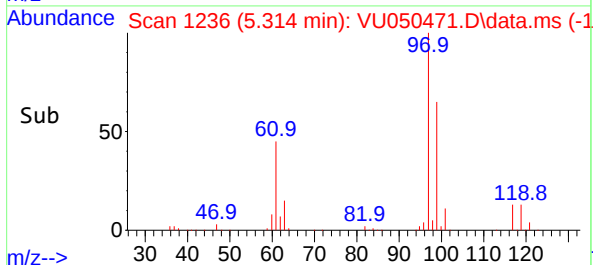
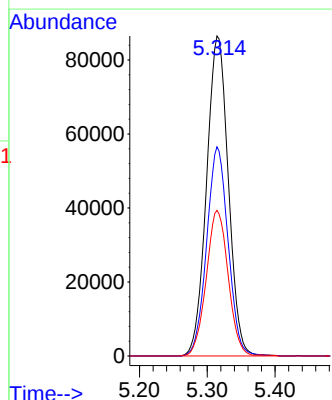
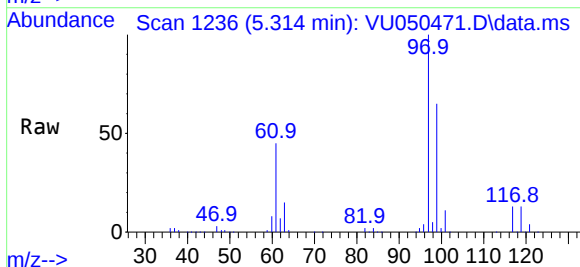
Tgt Ion: 97 Resp: 192656

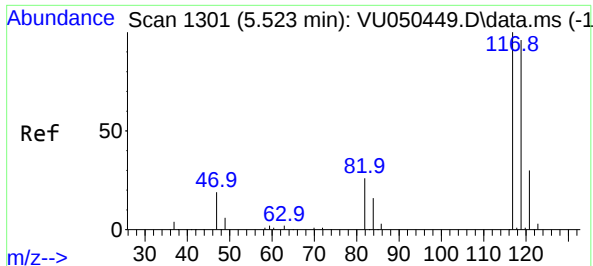
Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

61 45.8 36.6 55.0

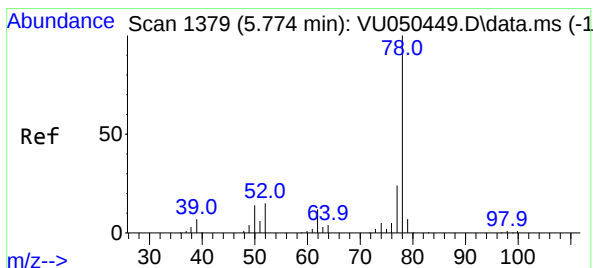
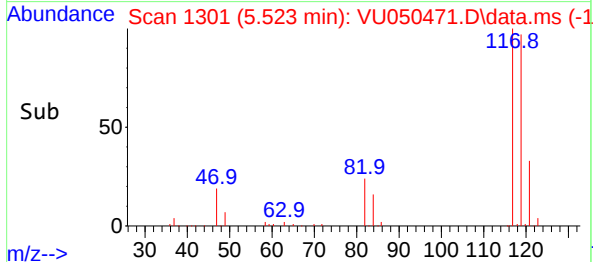
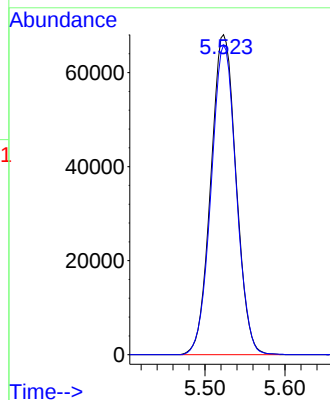
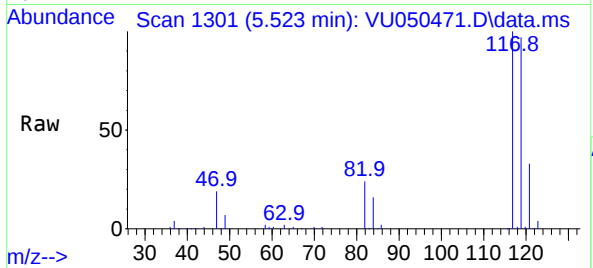




#31
Carbon tetrachloride
Concen: 45.426 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

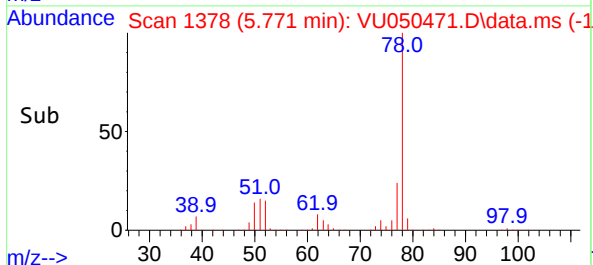
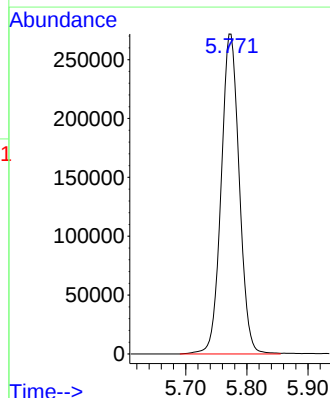
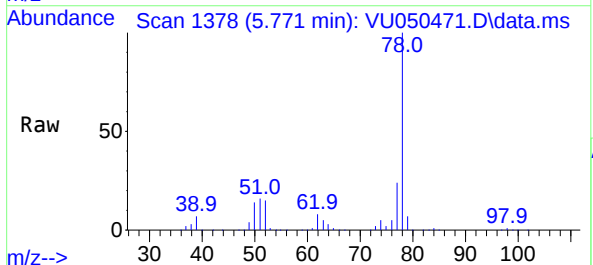
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

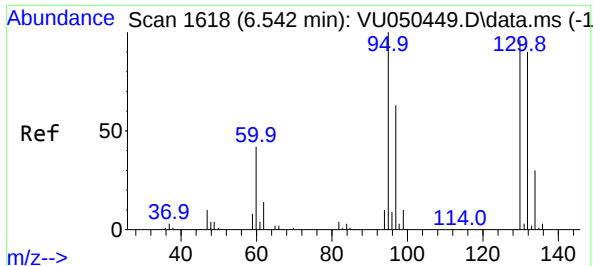
Tgt Ion:117 Resp: 149239
Ion Ratio Lower Upper
117 100
119 96.0 76.9 115.3



#33
Benzene
Concen: 52.784 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 78 Resp: 559207

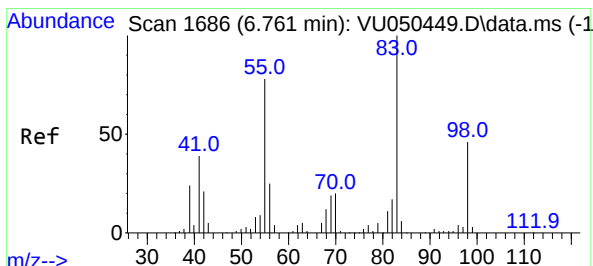
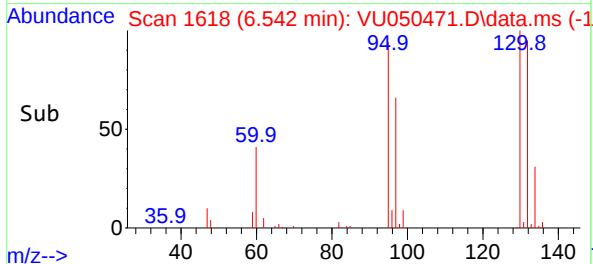
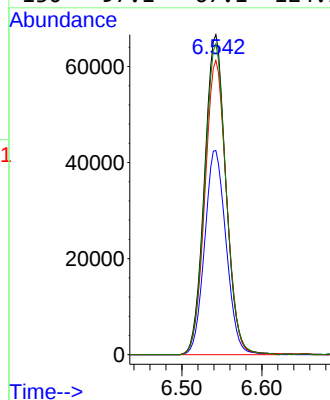
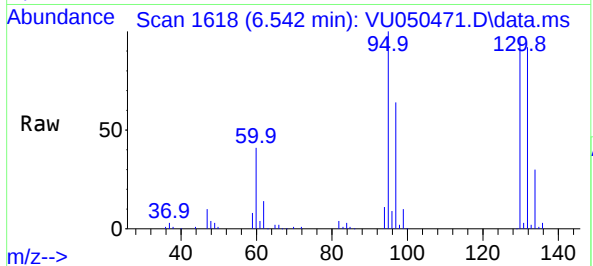




#34
Trichloroethene
Concen: 49.518 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

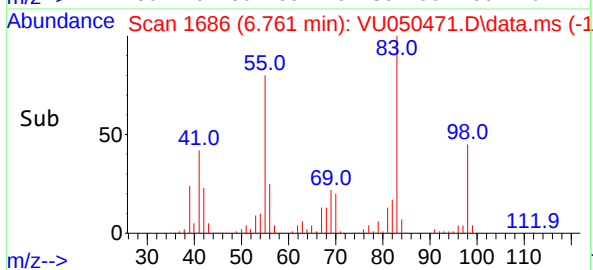
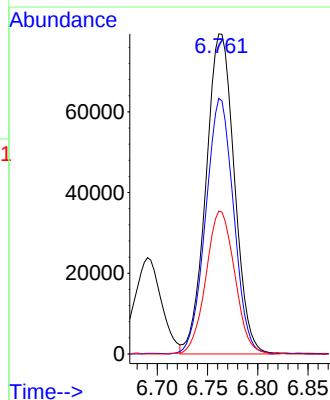
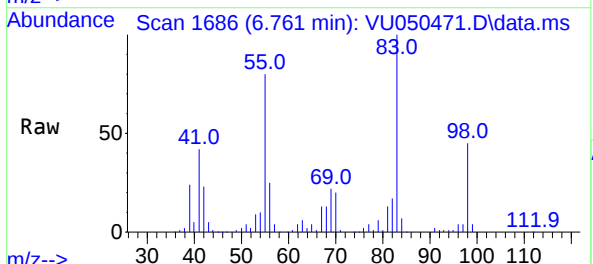
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

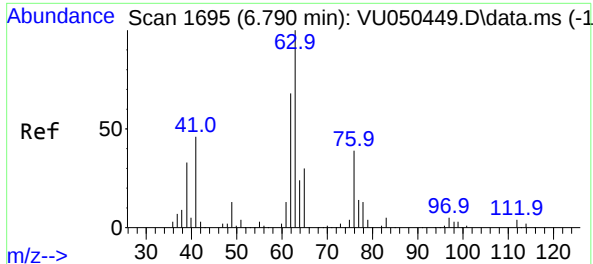
Tgt Ion: 95 Resp: 124179
Ion Ratio Lower Upper
95 100
97 63.8 45.2 84.0
132 91.9 64.4 119.6
130 97.1 67.1 124.5



#35
Methylcyclohexane
Concen: 44.537 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 83 Resp: 156174
Ion Ratio Lower Upper
83 100
55 78.5 61.9 92.9
98 45.0 35.8 53.8

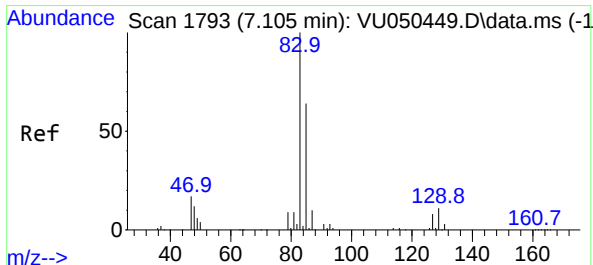
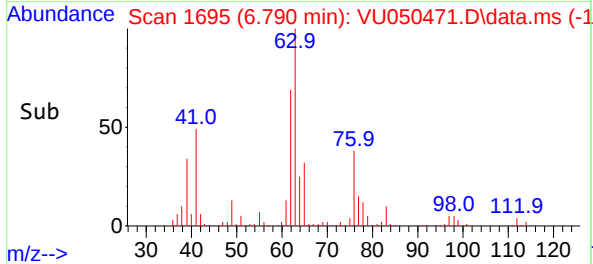
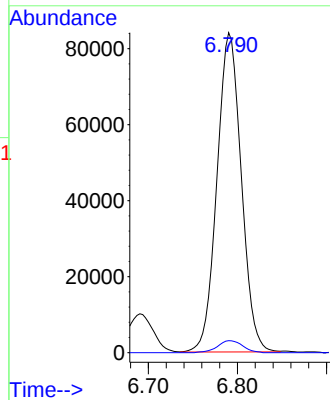
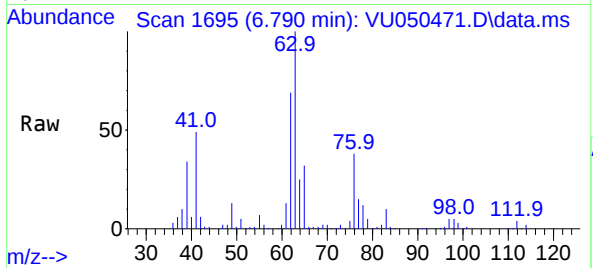




#37
1,2-Dichloropropane
Concen: 51.823 ug/L
RT: 6.790 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

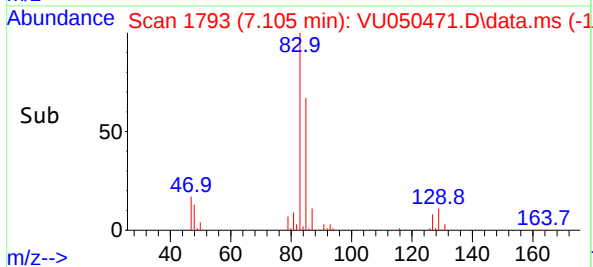
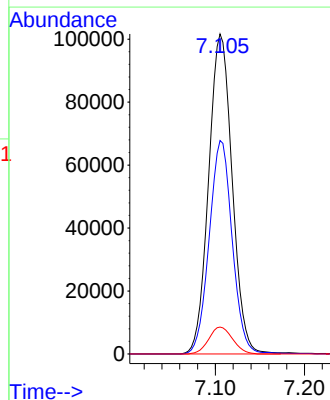
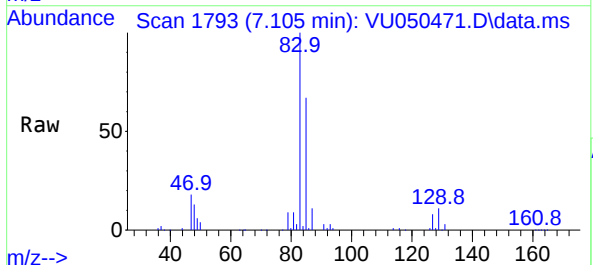
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

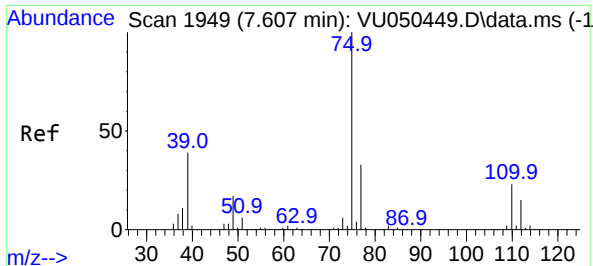
Tgt Ion: 63 Resp: 159476
Ion Ratio Lower Upper
63 100
112 3.9 3.0 4.4



#38
Bromodichloromethane
Concen: 47.464 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 83 Resp: 186351
Ion Ratio Lower Upper
83 100
85 66.7 46.2 85.8
127 8.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 47.121 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

Instrument :

MSVOA_U

ClientSampleId :

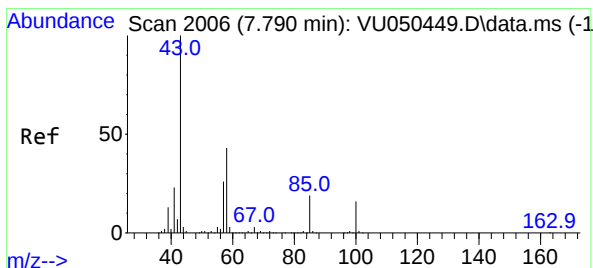
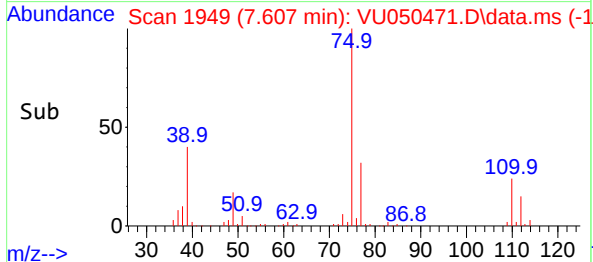
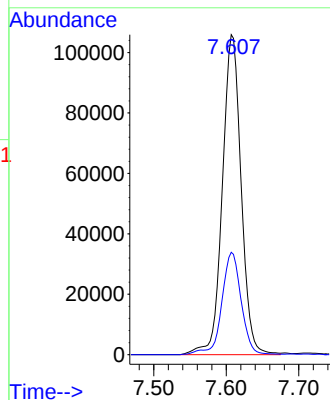
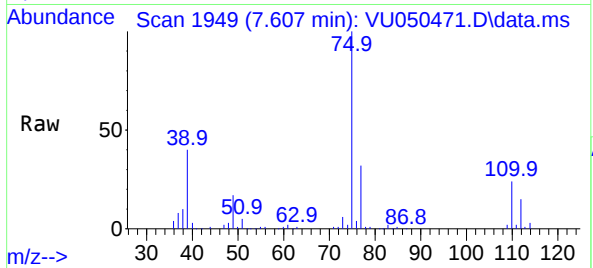
VSTD050177

Tgt Ion: 75 Resp: 190424

Ion Ratio Lower Upper

75 100

77 32.0 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 115.796 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

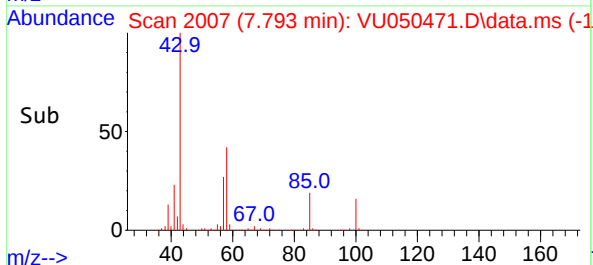
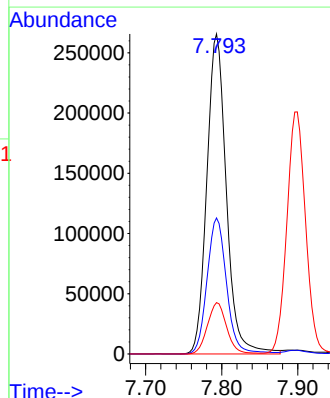
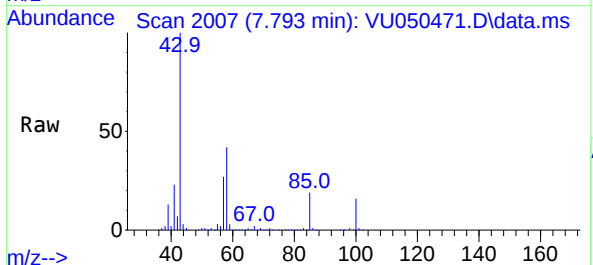
Tgt Ion: 43 Resp: 473541

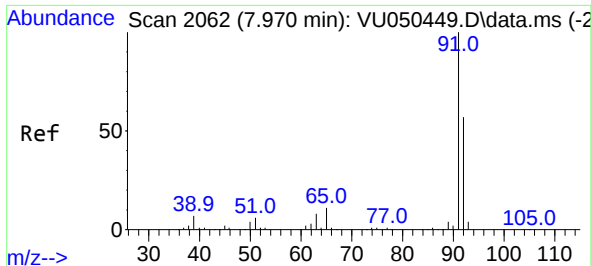
Ion Ratio Lower Upper

43 100

58 42.5 34.0 51.0

100 15.8 13.0 19.4





#42

Toluene

Concen: 53.787 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

Instrument :

MSVOA_U

ClientSampleId :

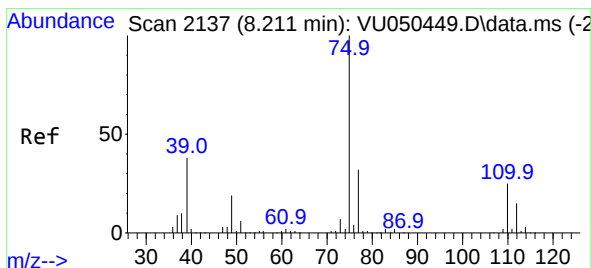
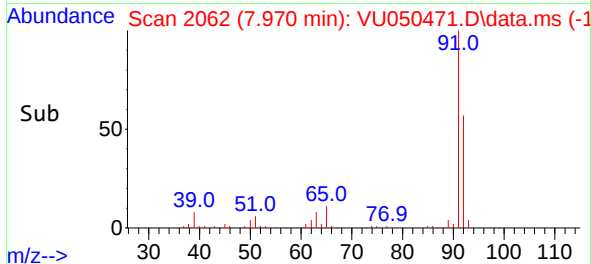
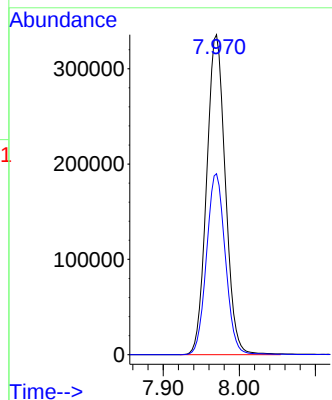
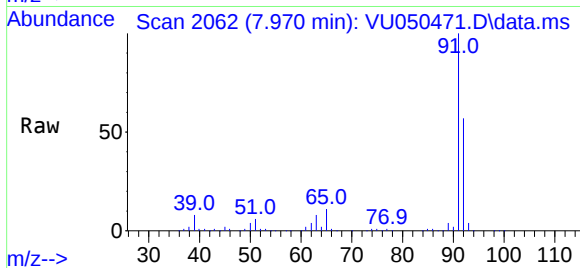
VSTD050177

Tgt Ion: 91 Resp: 574113

Ion Ratio Lower Upper

91 100

92 56.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 46.317 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050471.D

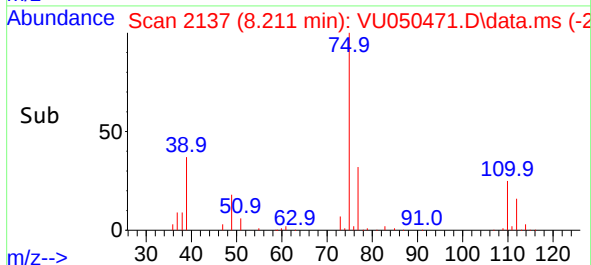
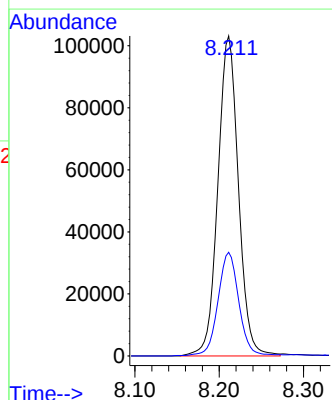
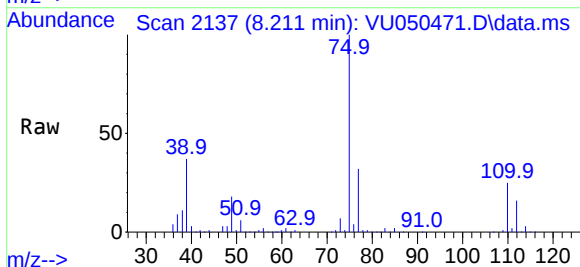
Acq: 26 Aug 2022 20:47

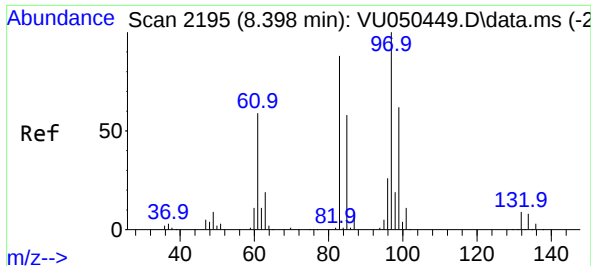
Tgt Ion: 75 Resp: 174468

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7



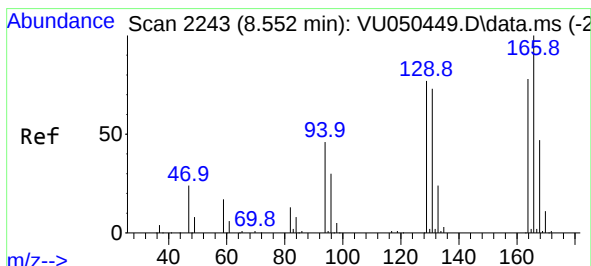
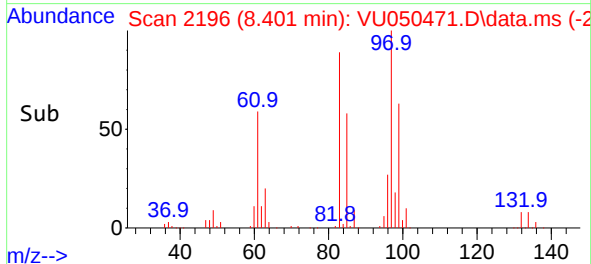
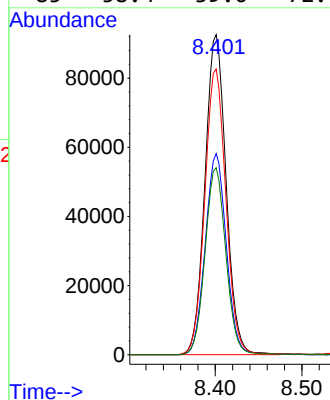
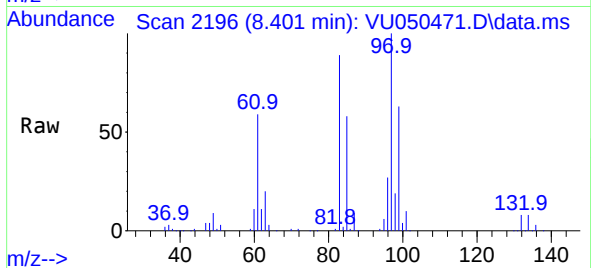


#45
1,1,2-Trichloroethane
Concen: 51.825 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

Tgt Ion: 97 Resp: 156929

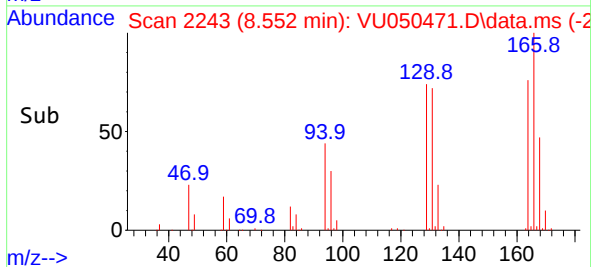
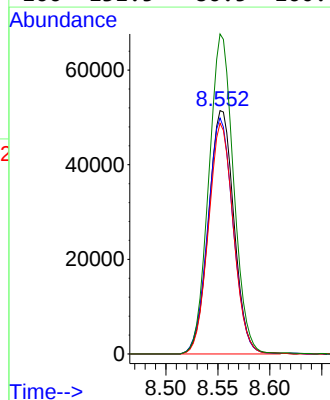
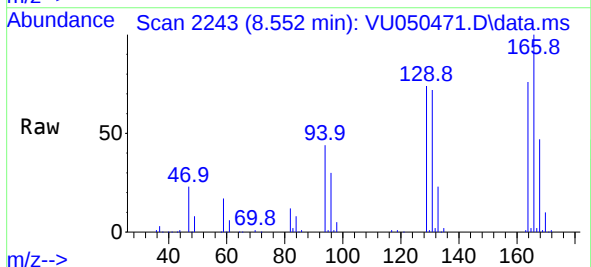
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.3	80.3
83	89.3	60.3	112.1
85	58.4	39.0	72.4

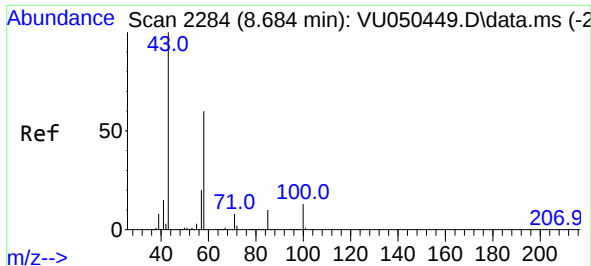


#46
Tetrachloroethene
Concen: 47.380 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 164 Resp: 87265

Ion	Ratio	Lower	Upper
164	100		
129	96.9	68.0	126.4
131	94.8	65.4	121.4
166	131.5	86.5	160.7



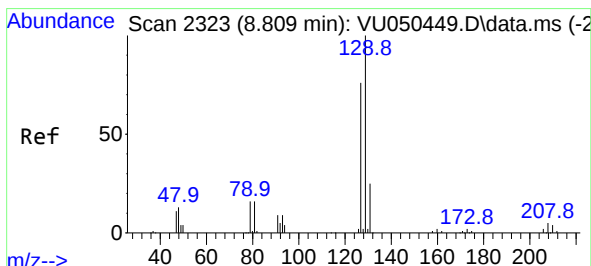
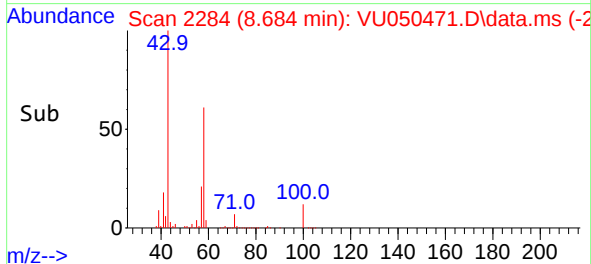
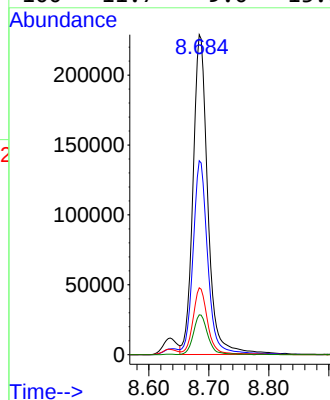
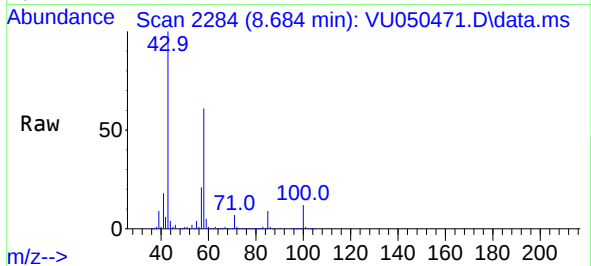


#48
2-Hexanone
Concen: 115.666 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

Tgt Ion: 43 Resp: 395018

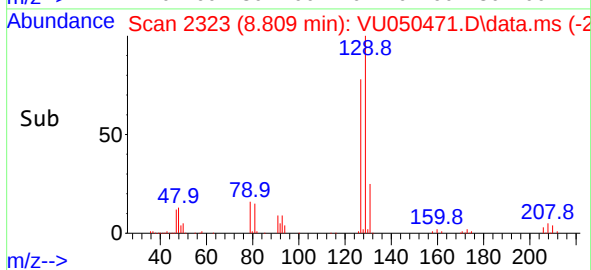
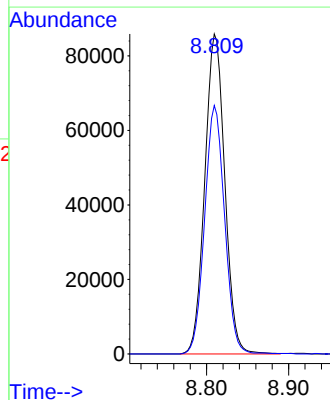
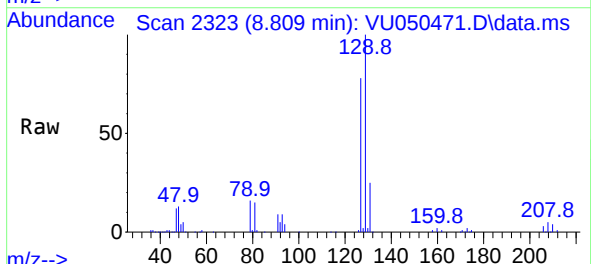
Ion	Ratio	Lower	Upper
43	100		
58	58.9	47.9	71.9
57	19.7	15.4	23.0
100	11.7	9.0	13.6

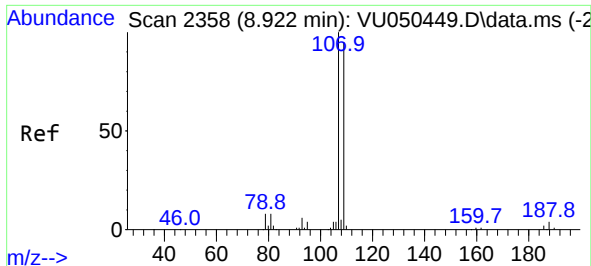


#49
Dibromochloromethane
Concen: 46.340 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 129 Resp: 145353

Ion	Ratio	Lower	Upper
129	100		
127	77.7	55.9	103.7

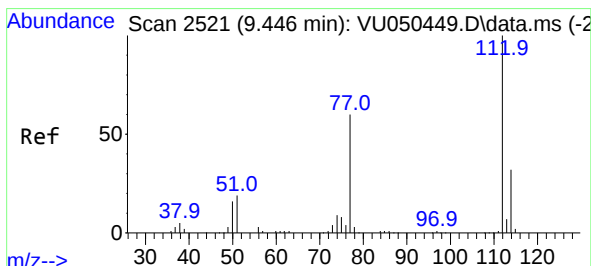
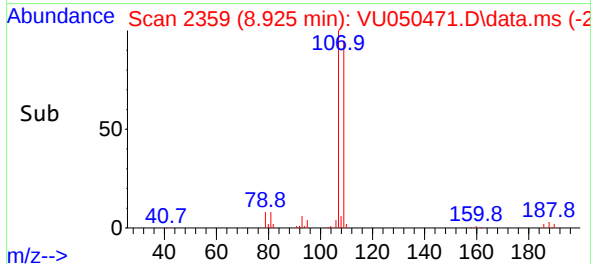
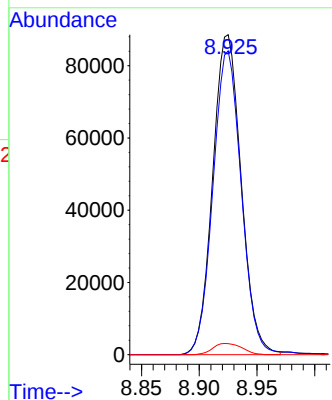
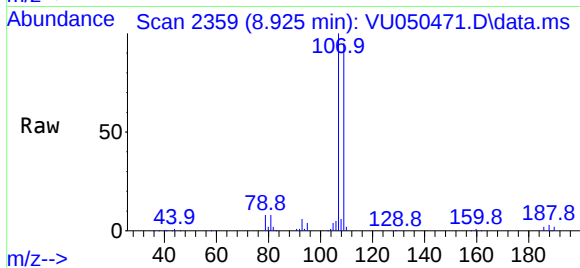




#50
1,2-Dibromoethane
Concen: 50.163 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

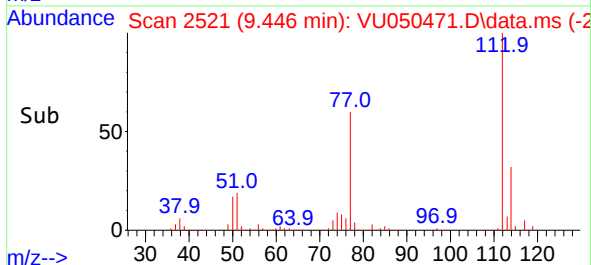
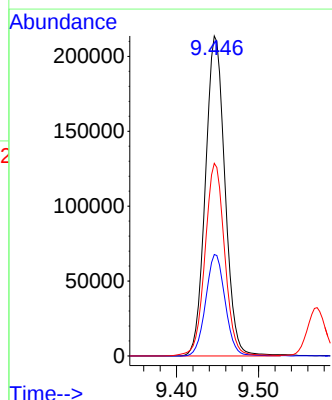
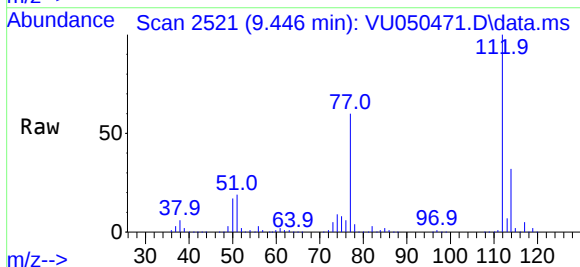
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

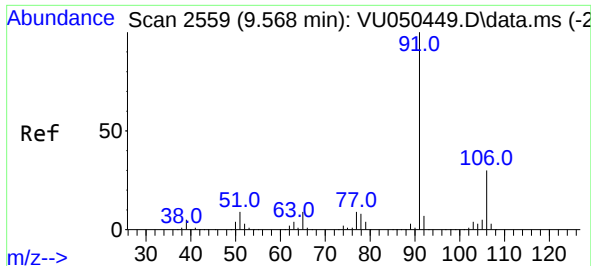
Tgt Ion:107 Resp: 151801
Ion Ratio Lower Upper
107 100
109 94.9 66.0 122.6
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 50.532 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion:112 Resp: 353960
Ion Ratio Lower Upper
112 100
114 31.7 21.8 40.6
77 60.2 47.6 71.4

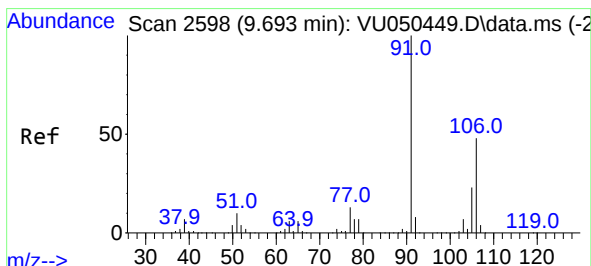
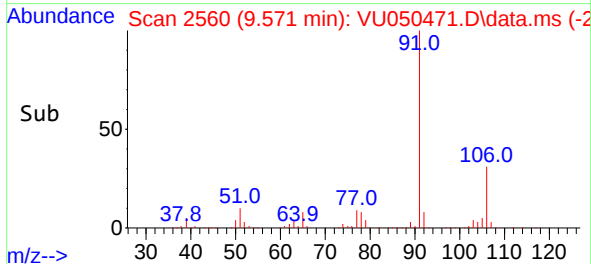
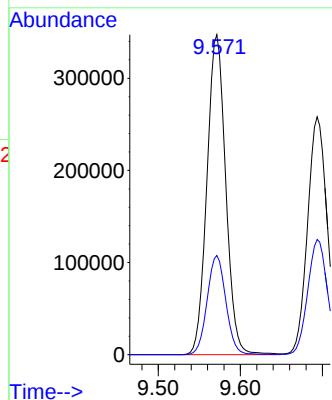
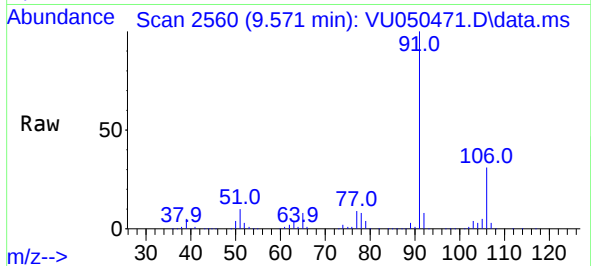




#52
Ethylbenzene
Concen: 51.394 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

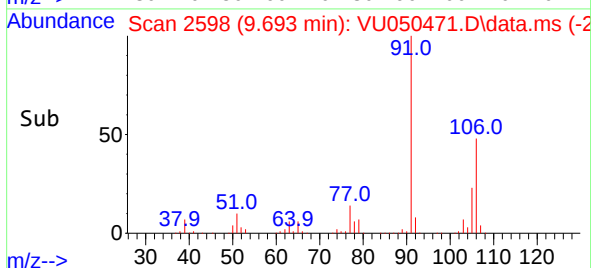
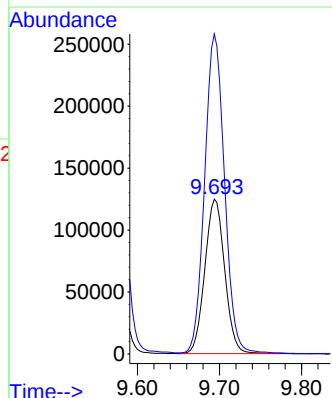
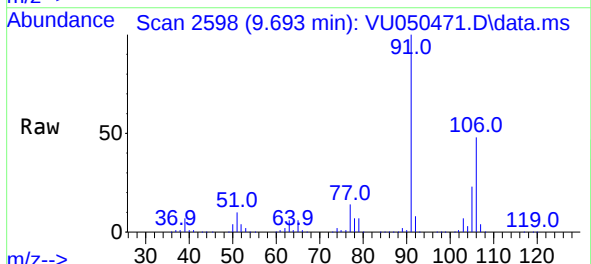
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

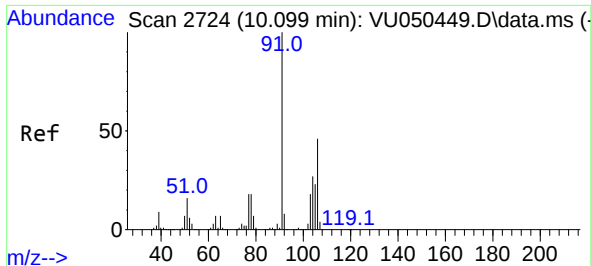
Tgt Ion: 91 Resp: 552891
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-Xylene
Concen: 52.207 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion:106 Resp: 209741
Ion Ratio Lower Upper
106 100
91 206.5 145.9 270.9

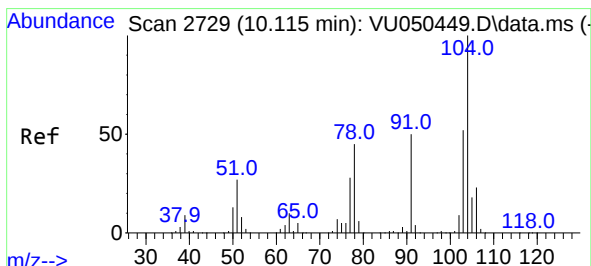
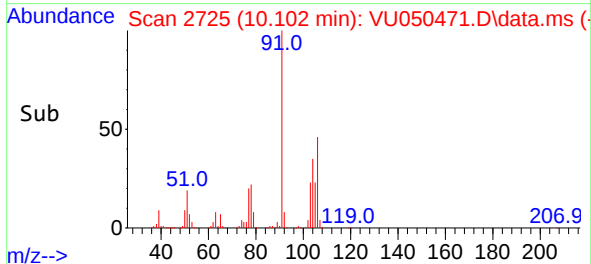
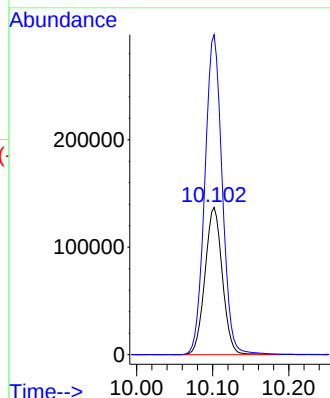
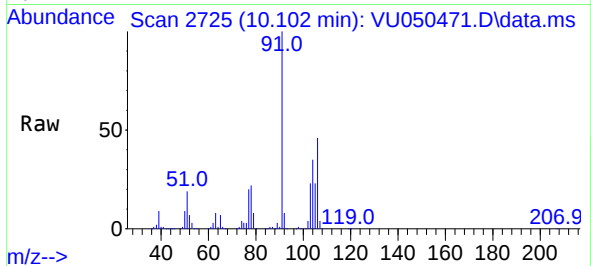




#54
o-Xylene
Concen: 54.573 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

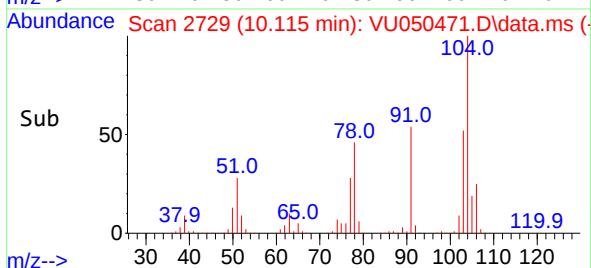
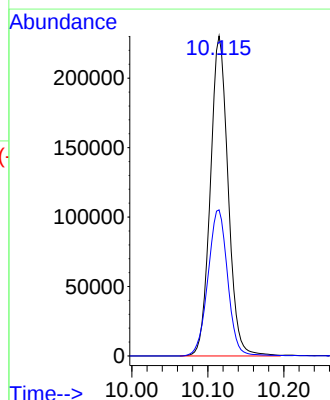
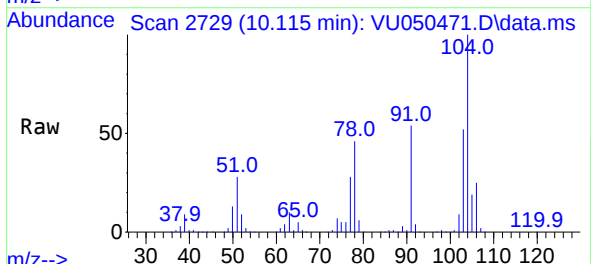
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

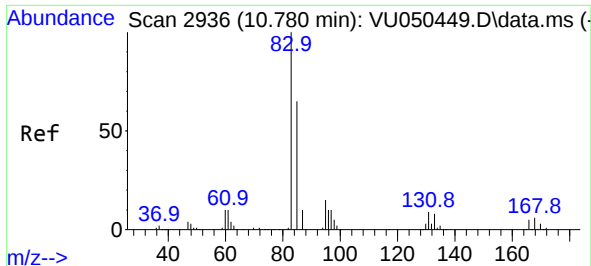
Tgt Ion:106 Resp: 217821
Ion Ratio Lower Upper
106 100
91 217.1 154.8 287.4



#55
Styrene
Concen: 55.157 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion:104 Resp: 374609
Ion Ratio Lower Upper
104 100
78 45.7 31.6 58.8





#57

1,1,2,2-Tetrachloroethane

Concen: 51.691 ug/L

RT: 10.783 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD050177

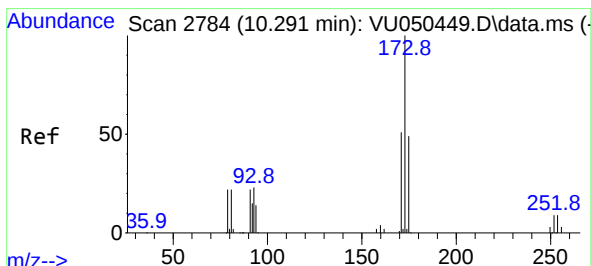
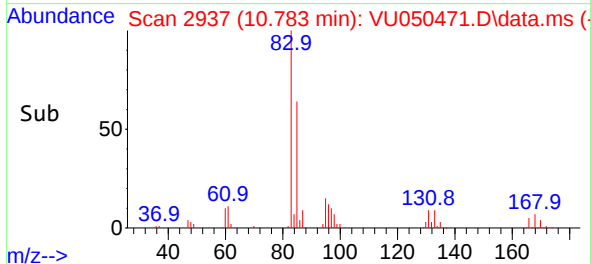
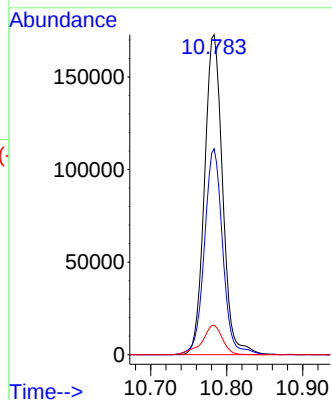
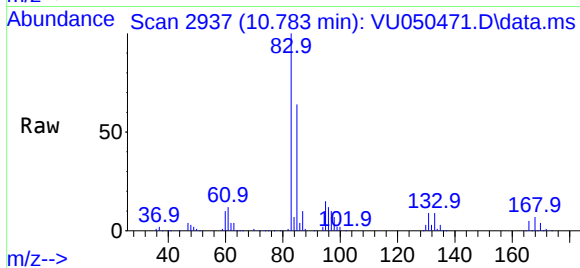
Tgt Ion: 83 Resp: 286011

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.2

131 9.2 7.2 10.8



#59

Bromoform

Concen: 44.159 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

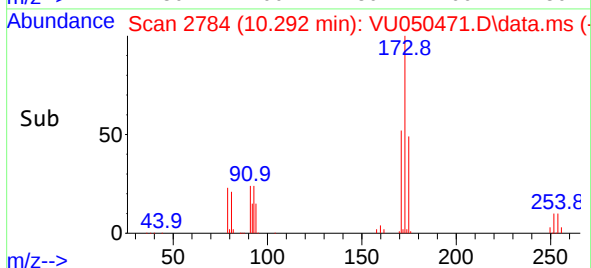
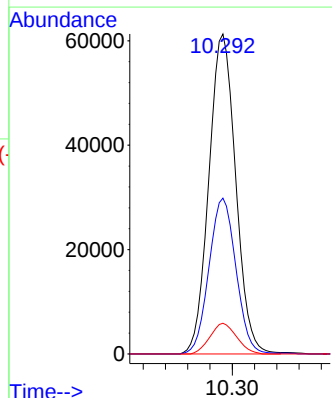
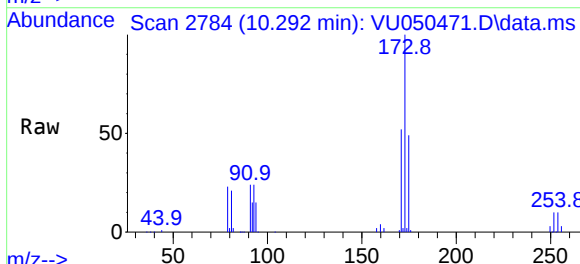
Tgt Ion:173 Resp: 102513

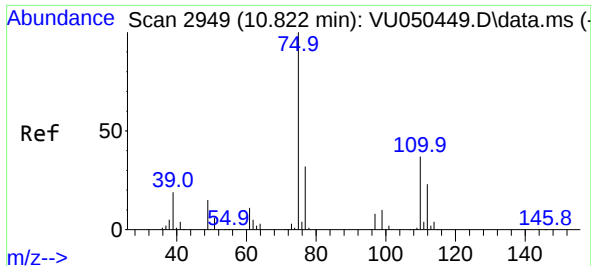
Ion Ratio Lower Upper

173 100

175 48.9 38.4 57.6

254 9.5 7.1 10.7

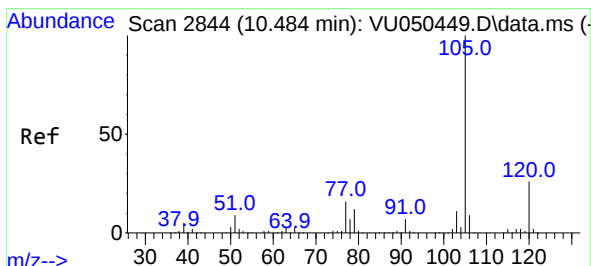
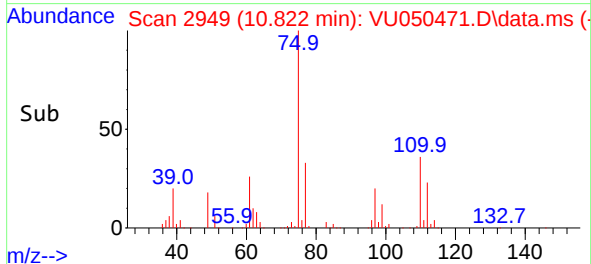
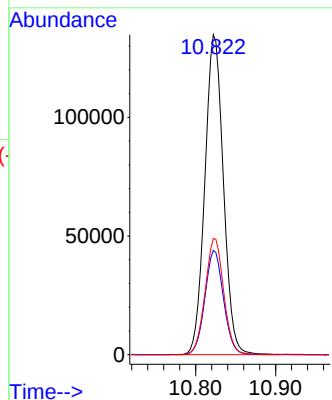
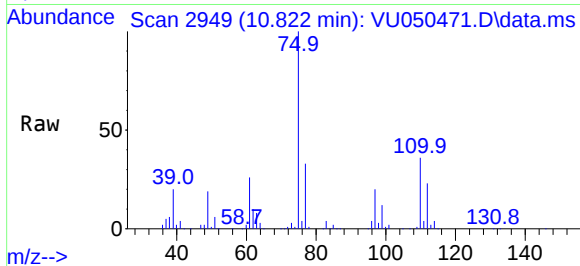




#60
1,2,3-Trichloropropane
Concen: 52.117 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

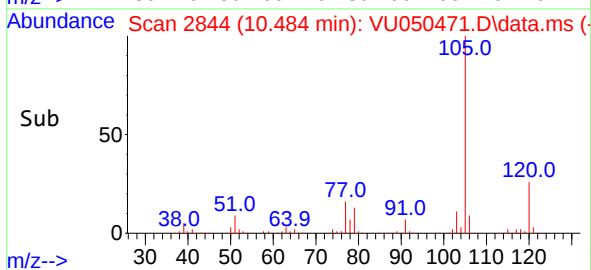
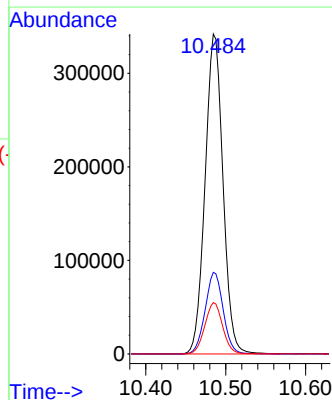
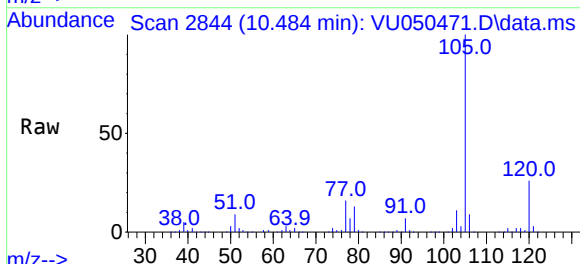
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

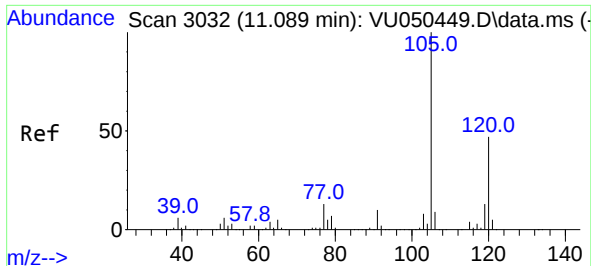
Tgt Ion: 75 Resp: 217717
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
110 36.4 29.0 43.4



#61
Isopropylbenzene
Concen: 53.200 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion: 105 Resp: 533433
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 16.0 12.5 18.7

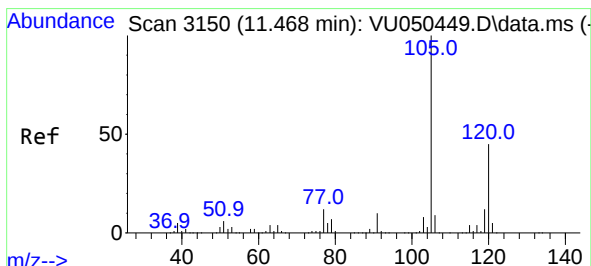
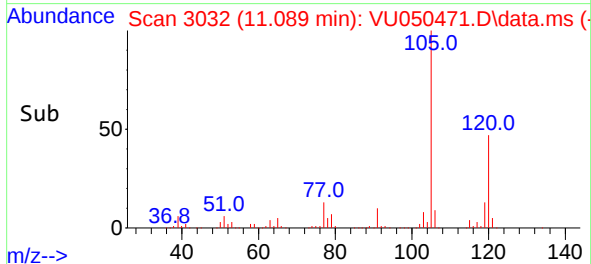
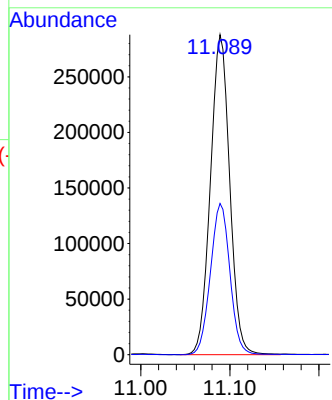
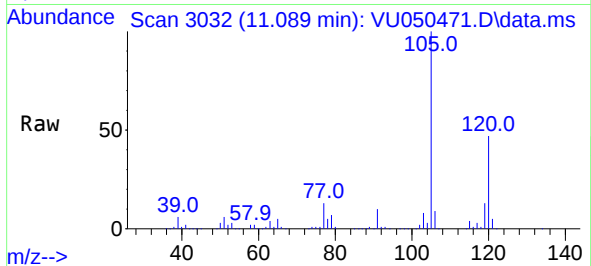




#62
1,3,5-Trimethylbenzene
Concen: 53.388 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

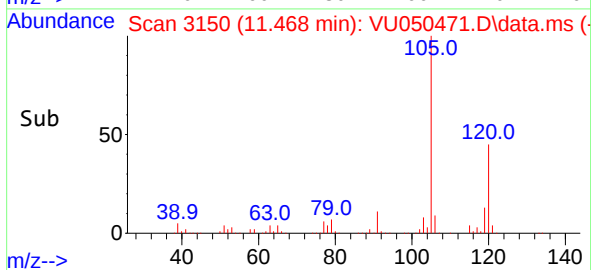
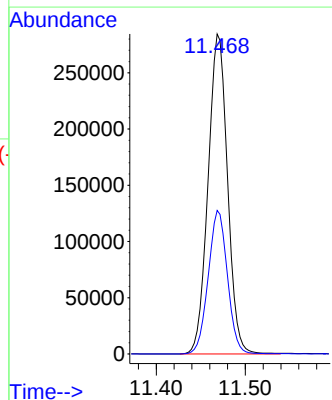
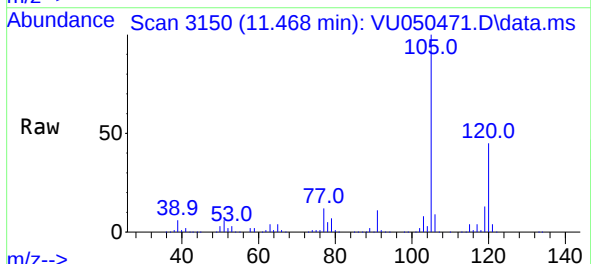
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

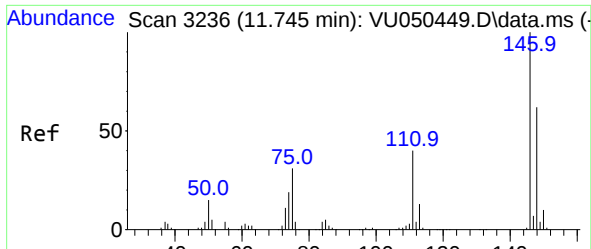
Tgt Ion:105 Resp: 432246
Ion Ratio Lower Upper
105 100
120 47.7 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 54.605 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion:105 Resp: 431192
Ion Ratio Lower Upper
105 100
120 44.2 35.3 52.9

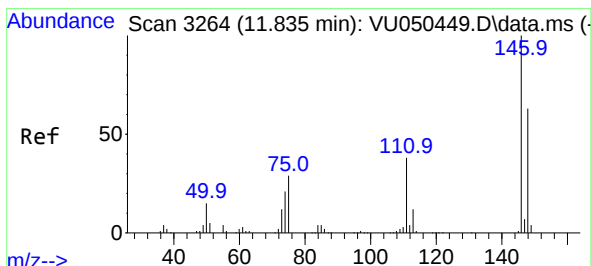
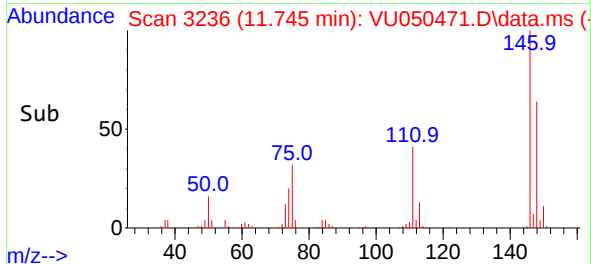
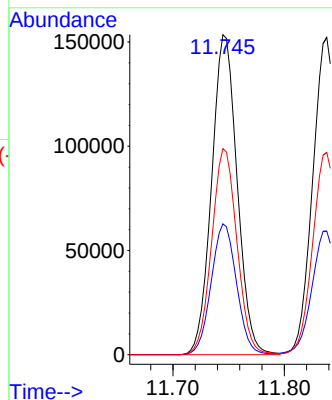
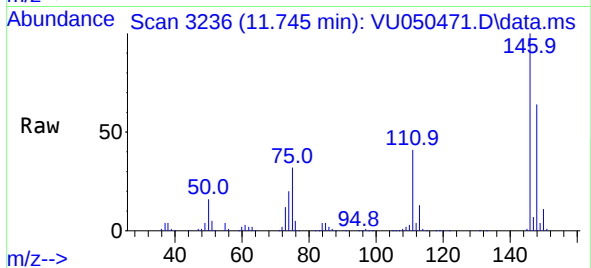




#64
1,3-Dichlorobenzene
Concen: 49.885 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

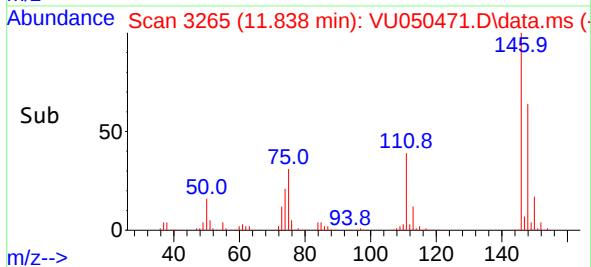
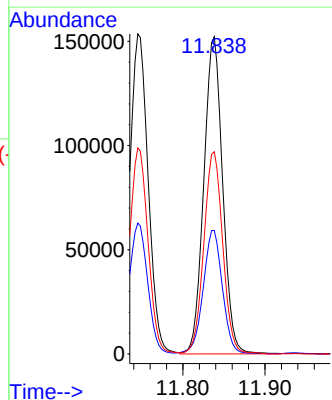
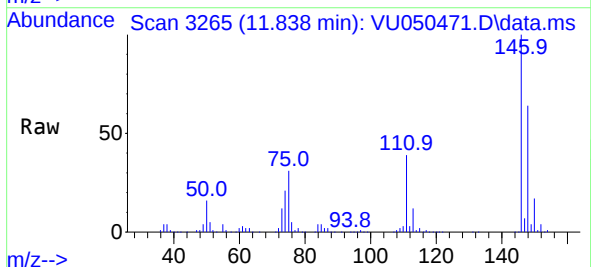
Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

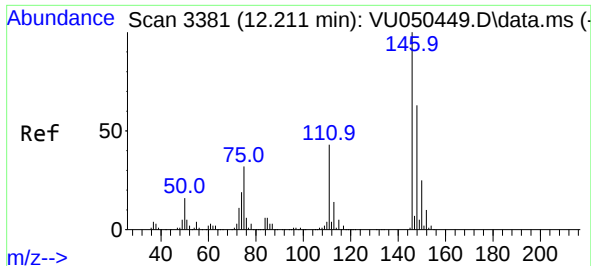
Tgt Ion:146 Resp: 244573
Ion Ratio Lower Upper
146 100
111 40.9 28.1 52.1
148 64.4 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 49.127 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion:146 Resp: 242561
Ion Ratio Lower Upper
146 100
111 38.9 27.6 51.2
148 63.7 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 51.792 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD050177

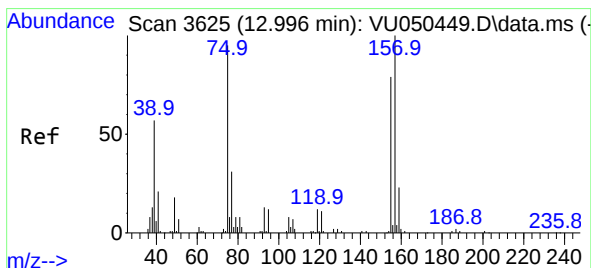
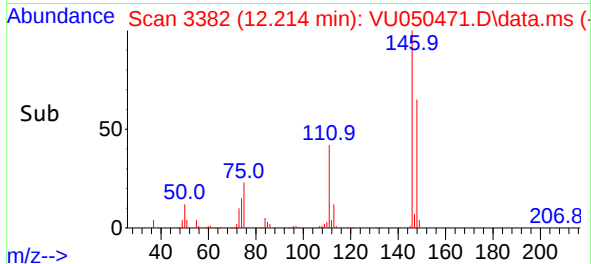
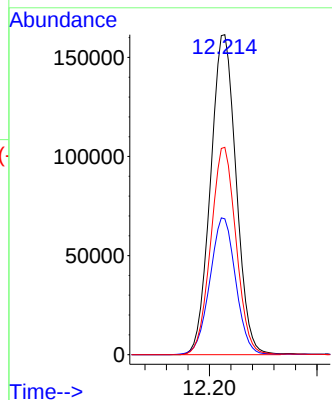
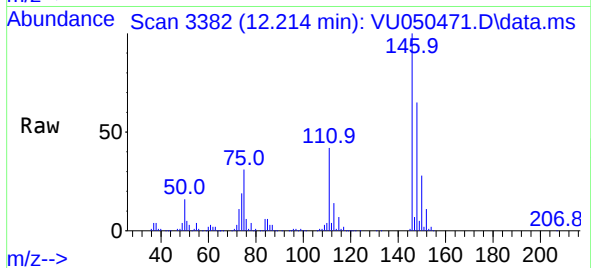
Tgt Ion:146 Resp: 267020

Ion Ratio Lower Upper

146 100

111 42.5 34.1 51.1

148 64.8 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 47.693 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050471.D

Acq: 26 Aug 2022 20:47

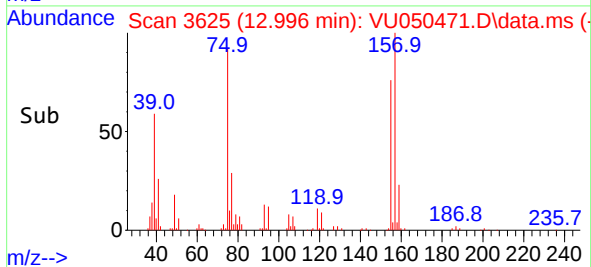
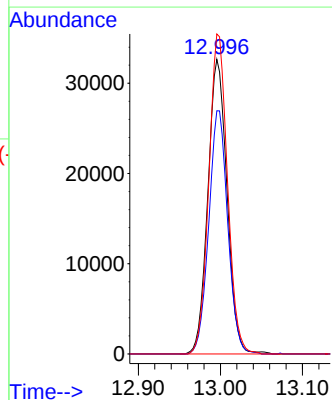
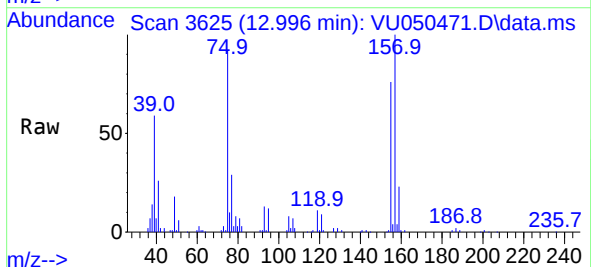
Tgt Ion: 75 Resp: 52951

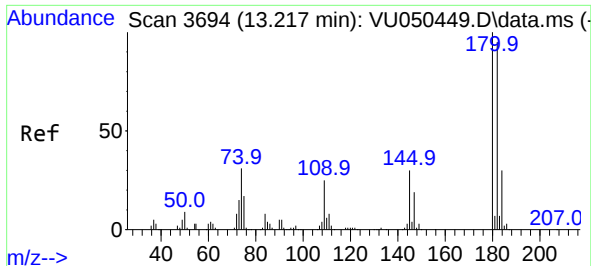
Ion Ratio Lower Upper

75 100

155 86.9 63.1 94.7

157 108.6 84.2 126.2

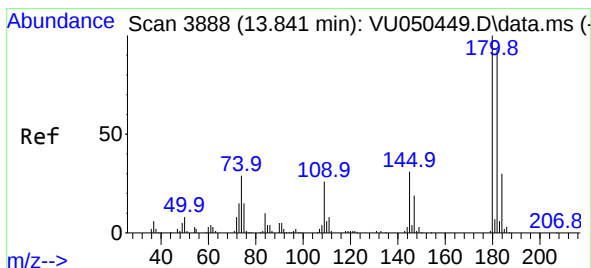
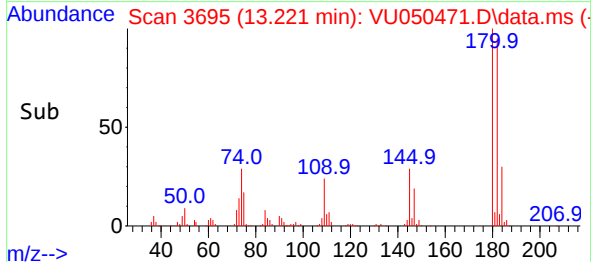
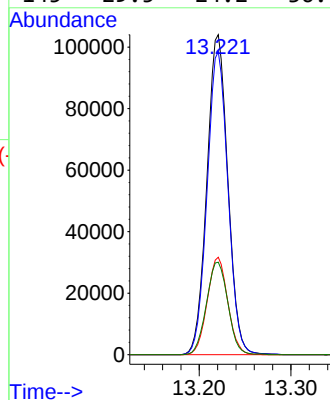
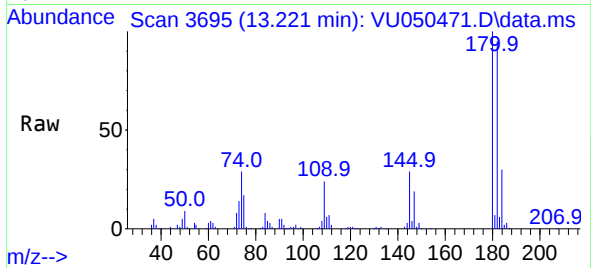




#69
 1,3,5-Trichlorobenzene
 Concen: 48.845 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU050471.D
 Acq: 26 Aug 2022 20:47

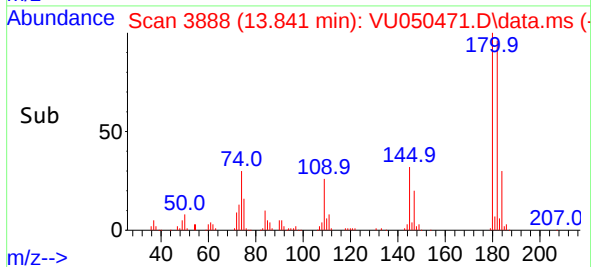
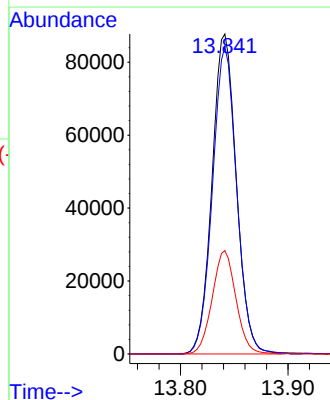
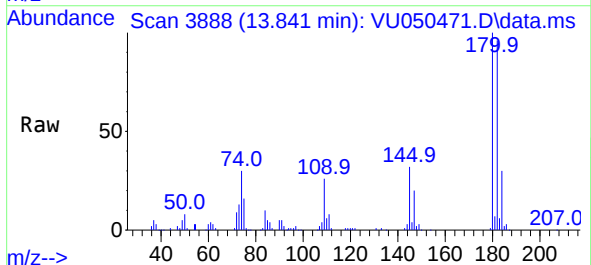
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050177

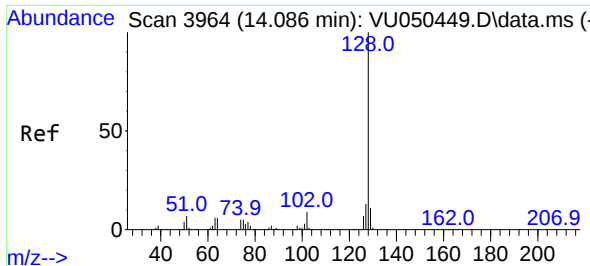
Tgt Ion:180 Resp: 165072
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.0 115.6
 184 29.8 24.1 36.1
 145 29.5 24.2 36.4



#70
 1,2,4-trichlorobenzene
 Concen: 50.905 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050471.D
 Acq: 26 Aug 2022 20:47

Tgt Ion:180 Resp: 137776
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.4 113.2
 145 31.5 23.9 35.9



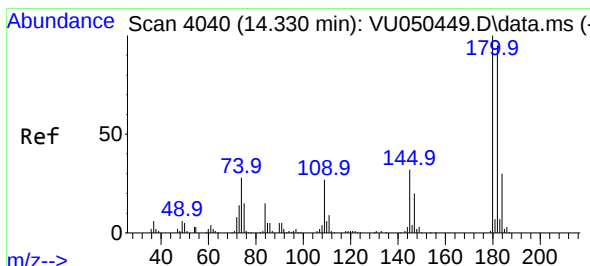
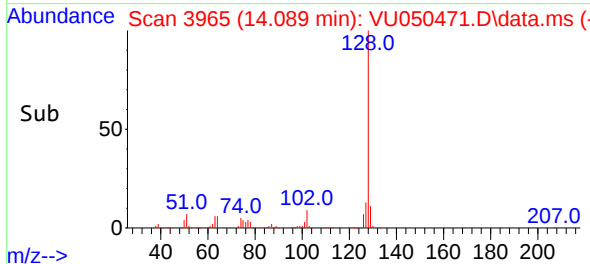
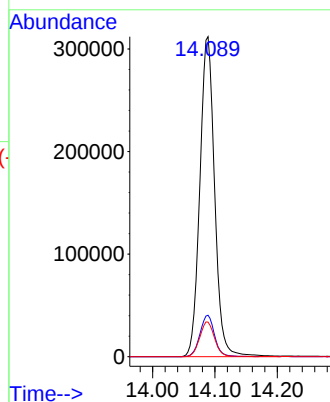
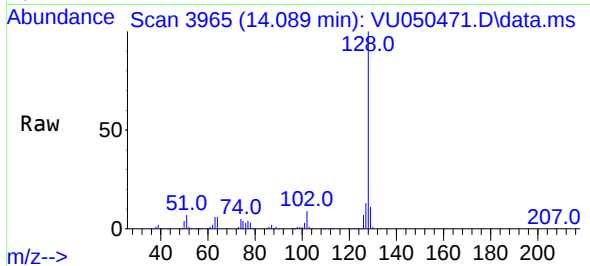


#71
Naphthalene
Concen: 57.956 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD050177

Tgt Ion:128 Resp: 514552

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.0	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 54.563 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050471.D
Acq: 26 Aug 2022 20:47

Tgt Ion:180 Resp: 161399

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	32.5	26.5	39.7

