

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032223\
 Data File : VU053340.D
 Acq On : 22 Mar 2023 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

Quant Time: Mar 23 02:33:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 22 03:08:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	116203	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	112053	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	54085	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43723	40.785	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.560%
7) Chloroethane-d5	1.912	69	45052	51.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.900%
11) 1,1-Dichloroethene-d2	2.568	63	78470	42.254	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.500%
21) 2-Butanone-d5	4.620	46	52824	106.240	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.240%
24) Chloroform-d	5.057	84	78201	44.289	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.580%
26) 1,2-Dichloroethane-d4	5.697	65	50233	45.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.620%
32) Benzene-d6	5.723	84	158036	43.483	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.960%
36) 1,2-Dichloropropane-d6	6.684	67	52561	44.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.620%
41) Toluene-d8	7.893	98	145363	42.958	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.920%
43) trans-1,3-Dichloroprop...	8.176	79	25881	44.719	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.440%
47) 2-Hexanone-d5	8.629	63	34475	94.007	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.010%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	74913	49.300	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	49150	46.933	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	48118	39.671	ug/L	99
3) Chloromethane	1.520	50	46045	41.198	ug/L	100
5) Vinyl chloride	1.604	62	50321	41.159	ug/L	100
6) Bromomethane	1.858	94	33596	45.714	ug/L	96
8) Chloroethane	1.932	64	38444	53.233	ug/L	97
9) Trichlorofluoromethane	2.138	101	64737	42.438	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	39781	43.110	ug/L	97
12) 1,1-Dichloroethene	2.578	96	34394	40.303	ug/L	92
13) Acetone	2.633	43	54833	96.829	ug/L	98
14) Carbon disulfide	2.793	76	99567	38.521	ug/L	99
15) Methyl Acetate	2.945	43	38394	49.465	ug/L	98
16) Methylene chloride	3.044	84	40954	39.558	ug/L	94
17) trans-1,2-Dichloroethene	3.350	96	36096	41.687	ug/L	95
18) Methyl tert-butyl Ether	3.356	73	127551	43.808	ug/L	98
19) 1,1-Dichloroethane	3.864	63	78022	44.142	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	44114	43.376	ug/L	99
22) 2-Butanone	4.700	43	67288	104.297	ug/L	96
23) Bromochloromethane	4.970	128	20915	43.130	ug/L	91
25) Chloroform	5.083	83	78473	44.368	ug/L	98

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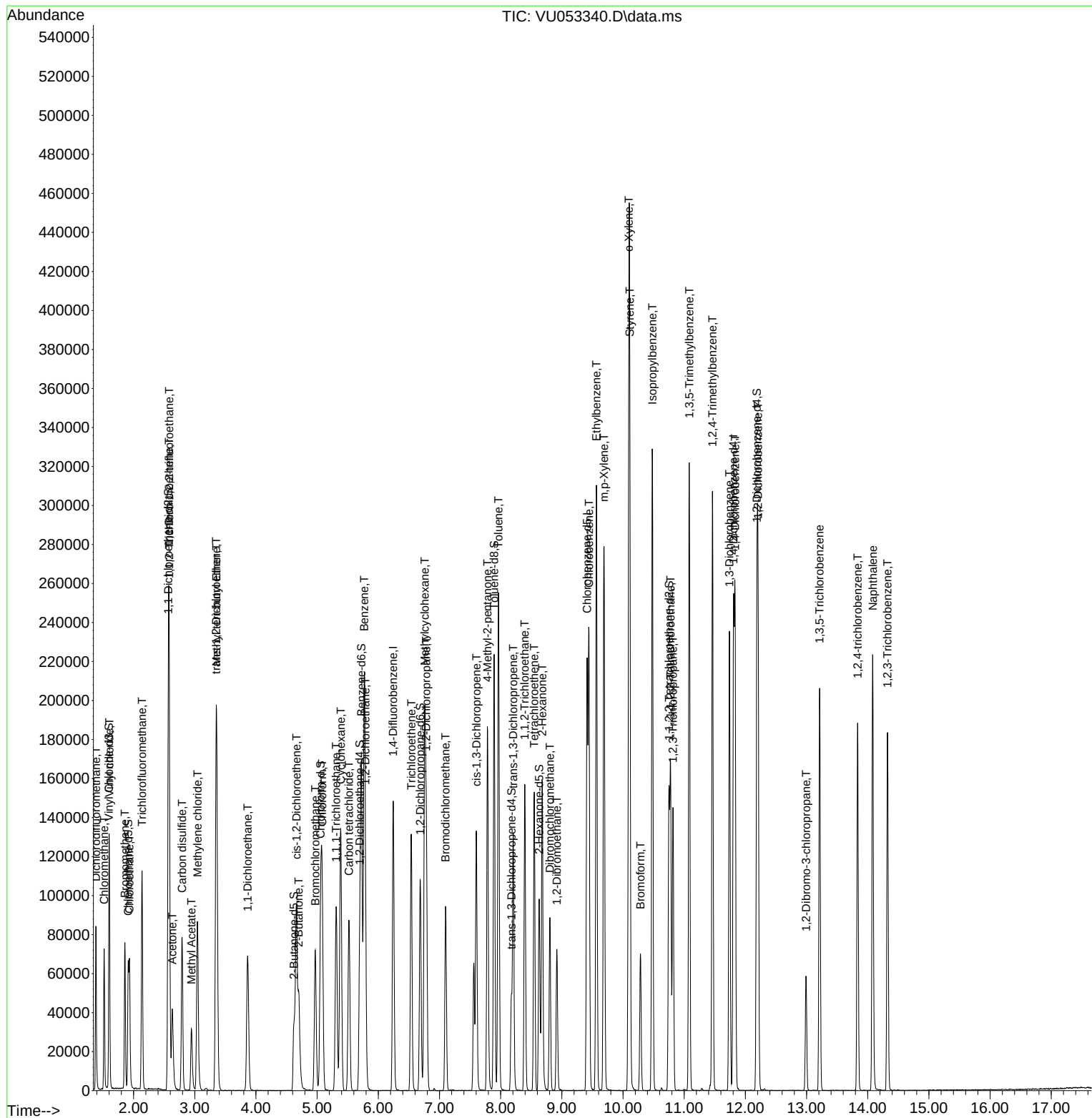
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	66138	47.370	ug/L	98
29) Cyclohexane	5.385	56	71297	42.702	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	64785	42.417	ug/L	96
31) Carbon tetrachloride	5.520	117	53589	42.827	ug/L	99
33) Benzene	5.771	78	173208	44.586	ug/L	100
34) Trichloroethene	6.539	95	44015	43.453	ug/L	97
35) Methylcyclohexane	6.758	83	77252	43.509	ug/L	98
37) 1,2-Dichloropropane	6.784	63	50359	46.464	ug/L	99
38) Bromodichloromethane	7.099	83	58348	43.259	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	79551	44.674	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	113803	102.155	ug/L	99
42) Toluene	7.964	91	187370	44.864	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	74006	45.466	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	45807	46.415	ug/L	98
46) Tetrachloroethene	8.549	164	27658	41.969	ug/L	96
48) 2-Hexanone	8.681	43	98110	105.170	ug/L	99
49) Dibromochloromethane	8.806	129	40930	40.543	ug/L	97
50) 1,2-Dibromoethane	8.919	107	46392	44.116	ug/L	93
51) Chlorobenzene	9.443	112	117605	45.181	ug/L	98
52) Ethylbenzene	9.565	91	213607	45.101	ug/L	99
53) m,p-Xylene	9.690	106	79280	44.849	ug/L	99
54) o-Xylene	10.095	106	77832	44.518	ug/L	99
55) Styrene	10.111	104	133197	45.711	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	79881	49.369	ug/L	97
59) Bromoform	10.285	173	27117	44.058	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	61569	57.288	ug/L	97
61) Isopropylbenzene	10.478	105	209855	49.108	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	168824	47.727	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	164545	47.723	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	85456	47.682	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	87492	48.629	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	85124	47.521	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	16112	54.215	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	54869	48.289	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	47384	46.411	ug/L	99
71) Naphthalene	14.082	128	173685	50.472	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	47690	49.256	ug/L	98

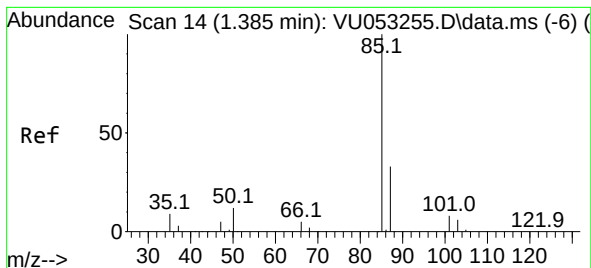
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 39.671 ug/L

RT: 1.385 min Scan# 14

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

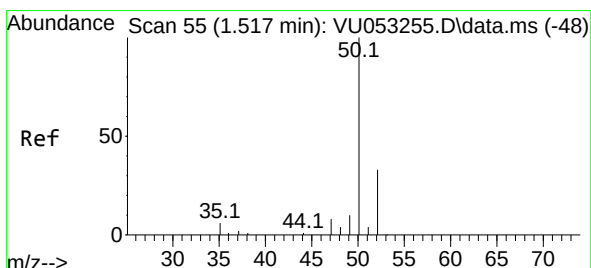
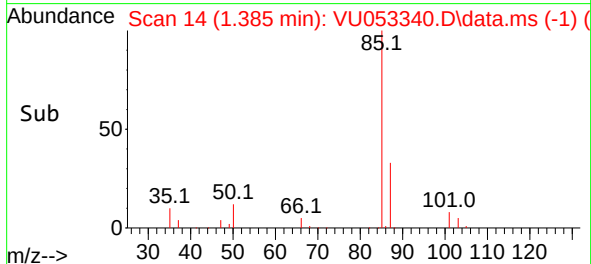
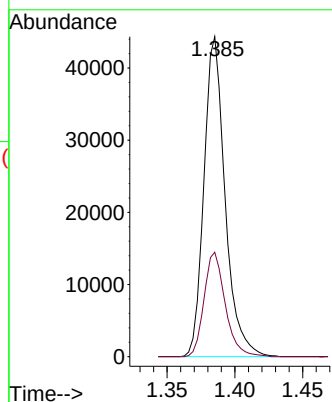
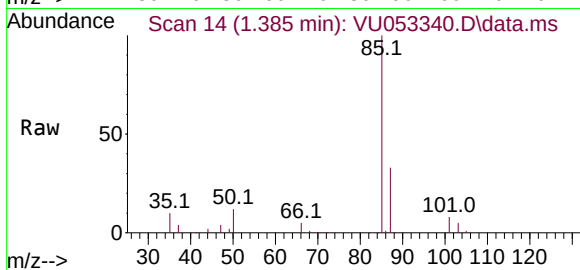
VSTD050171

Tgt Ion: 85 Resp: 48118

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



#3

Chloromethane

Concen: 41.198 ug/L

RT: 1.520 min Scan# 56

Delta R.T. 0.000 min

Lab File: VU053340.D

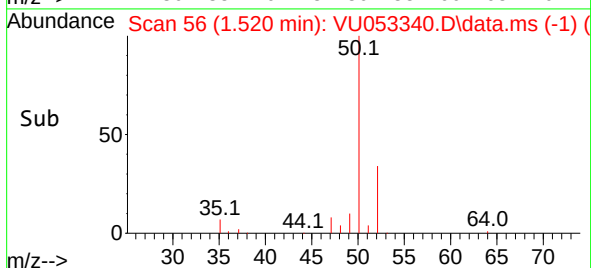
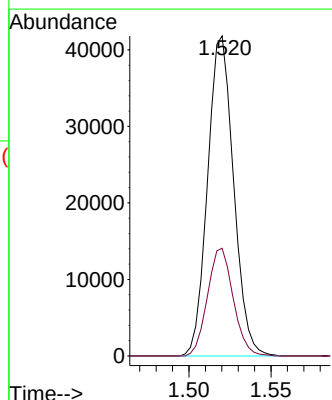
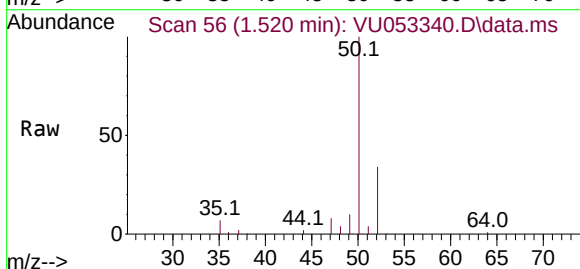
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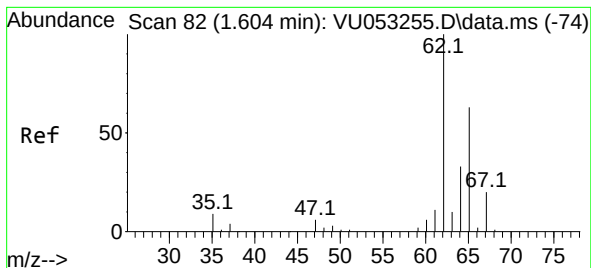
Tgt Ion: 50 Resp: 46045

Ion Ratio Lower Upper

50 100

52 33.7 23.4 43.4





#5

Vinyl chloride

Concen: 41.159 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

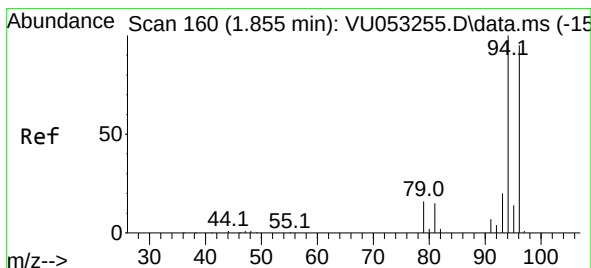
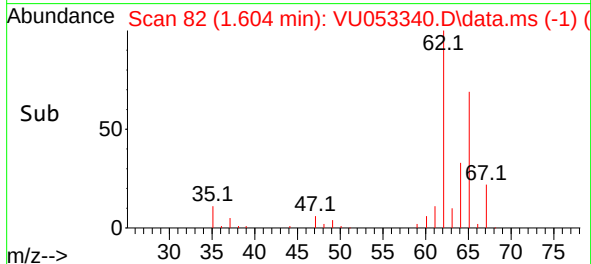
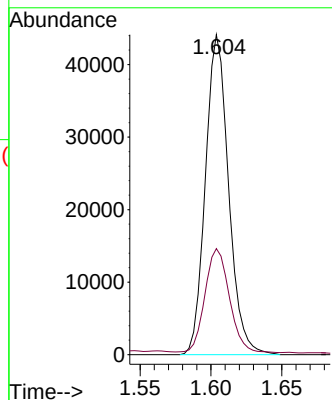
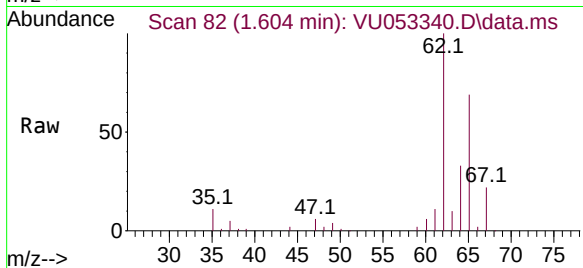
VSTD050171

Tgt Ion: 62 Resp: 50321

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.0



#6

Bromomethane

Concen: 45.714 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU053340.D

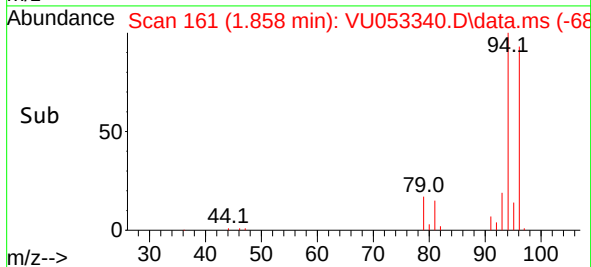
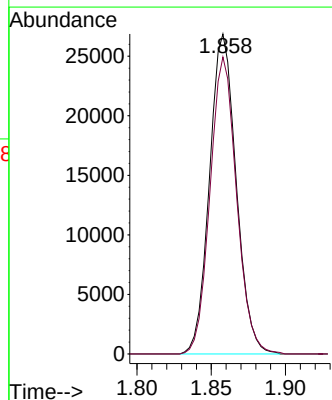
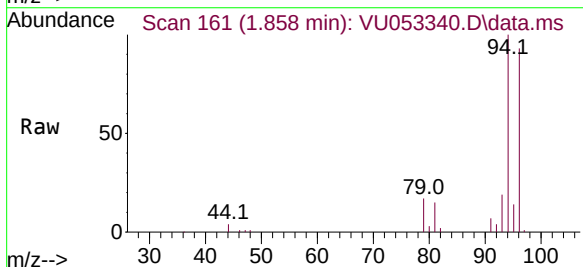
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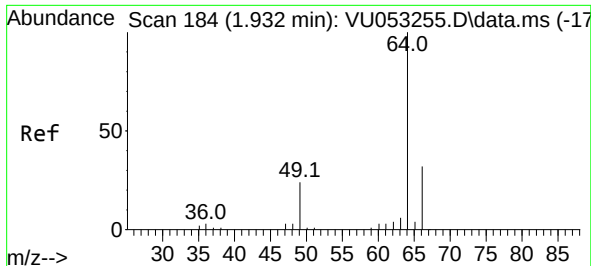
Tgt Ion: 94 Resp: 33596

Ion Ratio Lower Upper

94 100

96 92.8 67.5 125.3

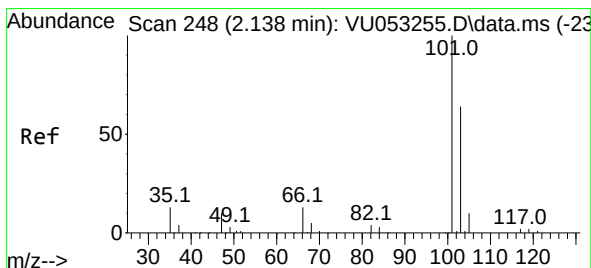
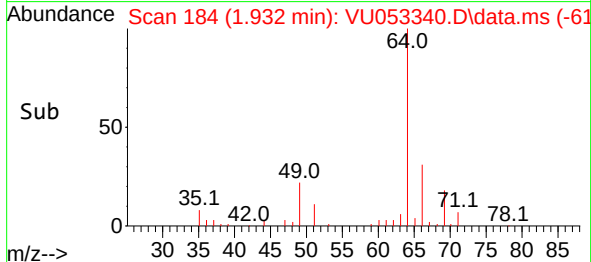
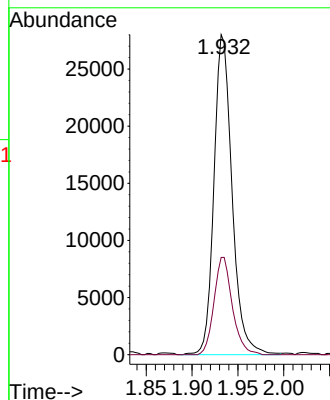
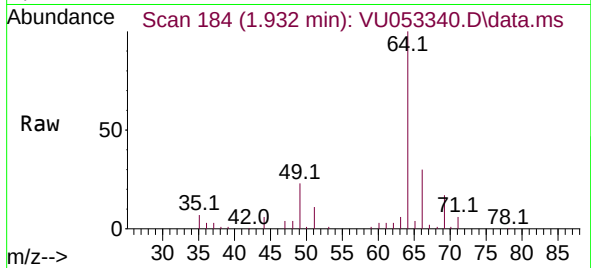




#8
Chloroethane
Concen: 53.233 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

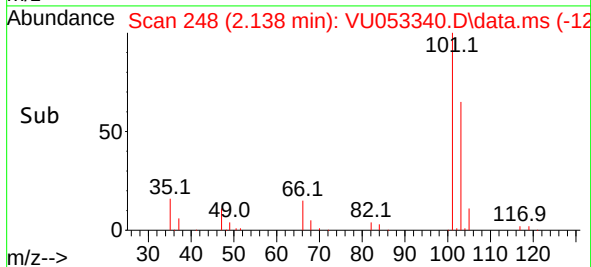
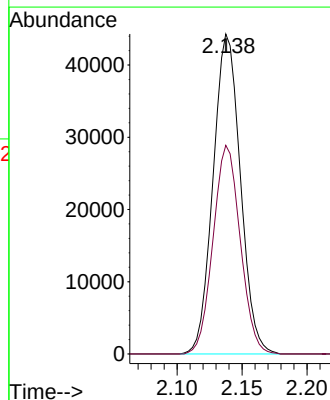
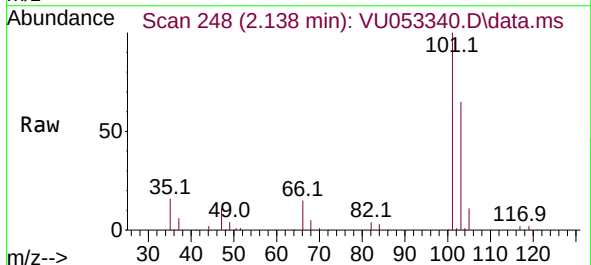
Instrument :
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VSTD050171

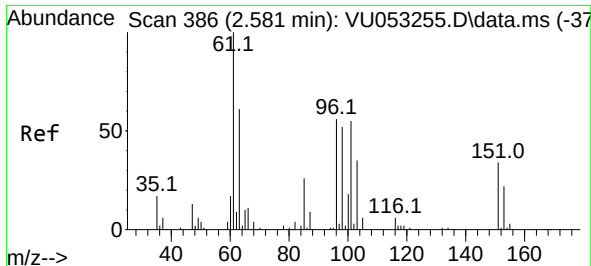
Tgt Ion: 64 Resp: 38444
Ion Ratio Lower Upper
64 100
66 30.4 22.6 42.0



#9
Trichlorofluoromethane
Concen: 42.438 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion:101 Resp: 64737
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0

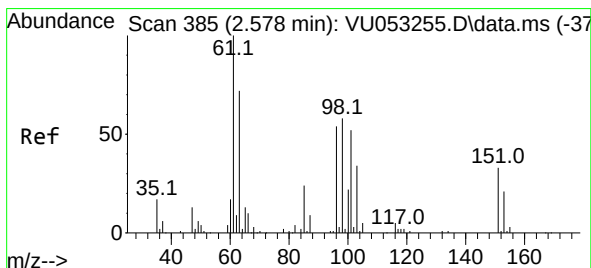
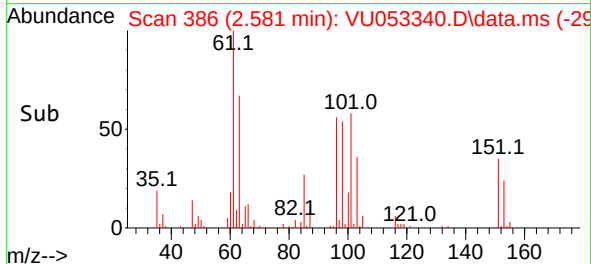
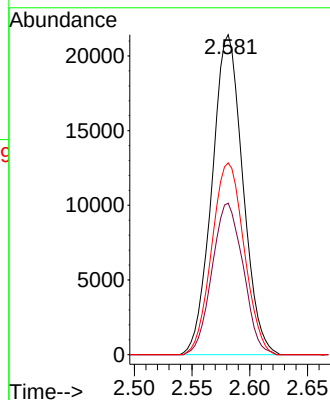
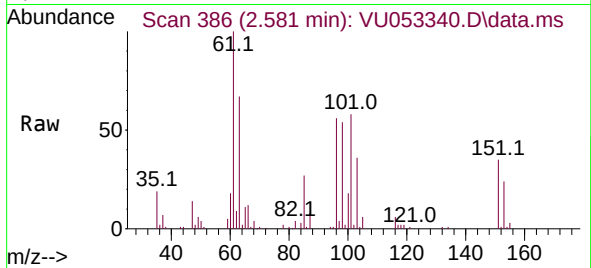




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.110 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053340.D
 Acq: 22 Mar 2023 10:02

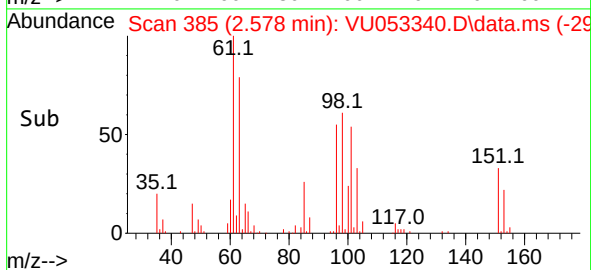
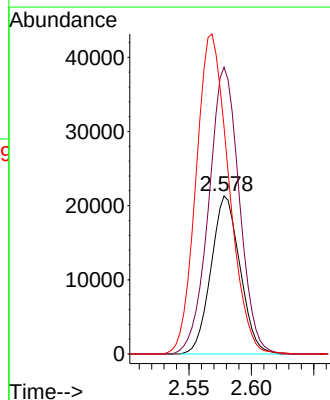
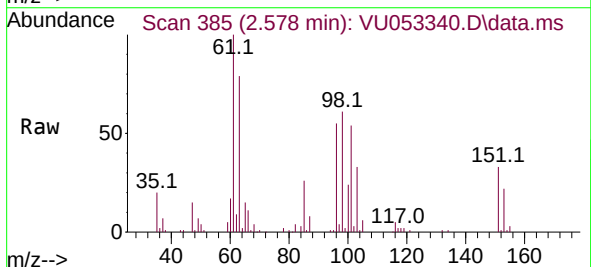
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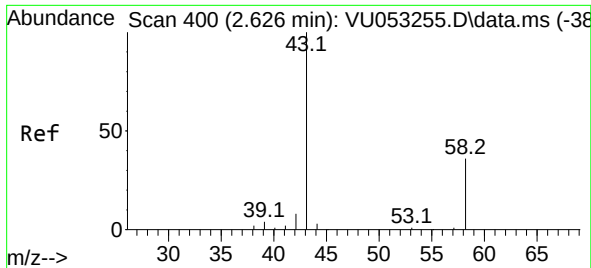
Tgt Ion:101 Resp: 39781
 Ion Ratio Lower Upper
 101 100
 85 47.8 37.0 55.6
 151 62.8 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 40.303 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053340.D
 Acq: 22 Mar 2023 10:02

Tgt Ion: 96 Resp: 34394
 Ion Ratio Lower Upper
 96 100
 61 181.4 122.2 226.9
 63 143.7 89.9 166.9





#13

Acetone

Concen: 96.829 ug/L

RT: 2.633 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

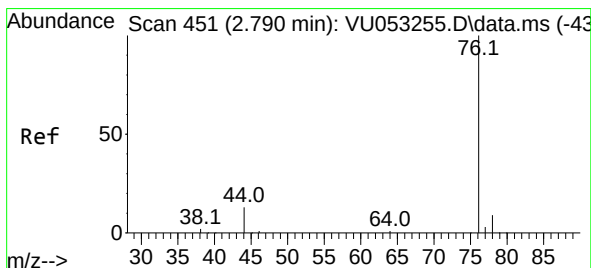
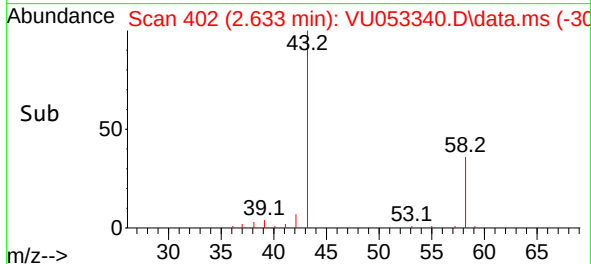
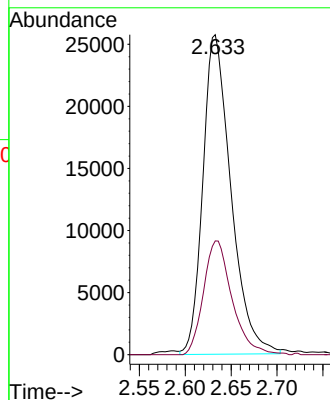
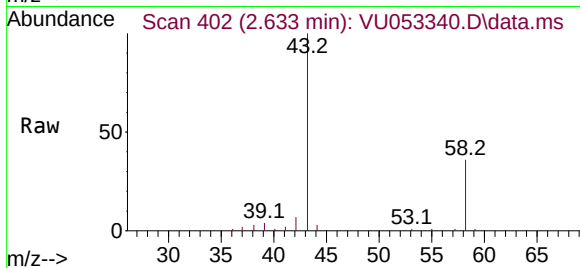
VSTD050171

Tgt Ion: 43 Resp: 54833

Ion Ratio Lower Upper

43 100

58 36.2 0.0 75.0



#14

Carbon disulfide

Concen: 38.521 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053340.D

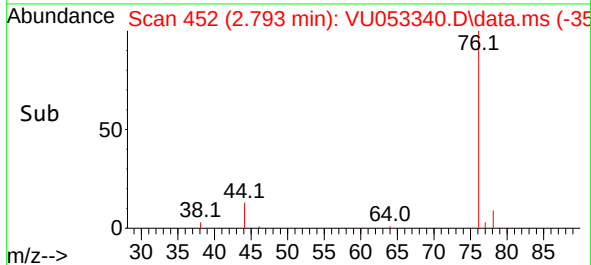
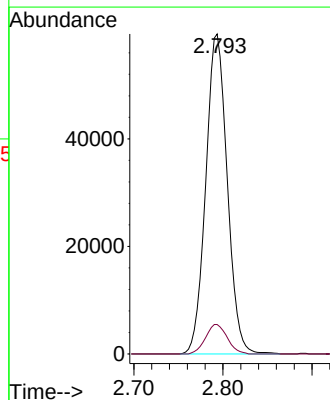
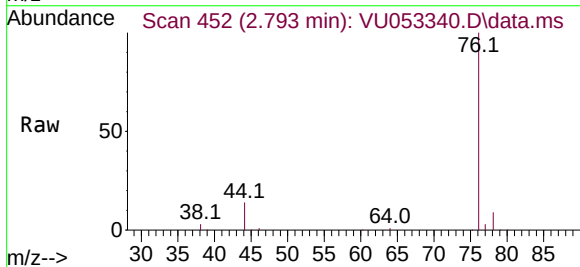
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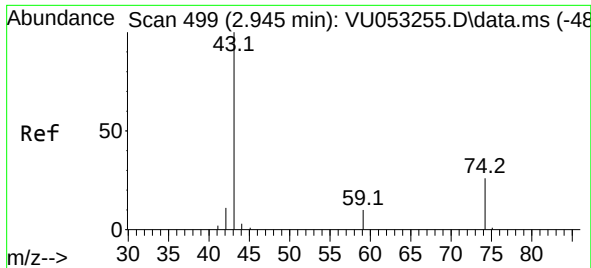
Tgt Ion: 76 Resp: 99567

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

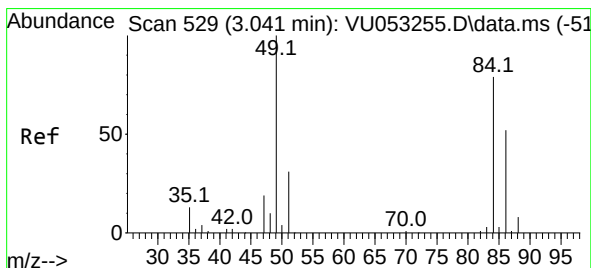
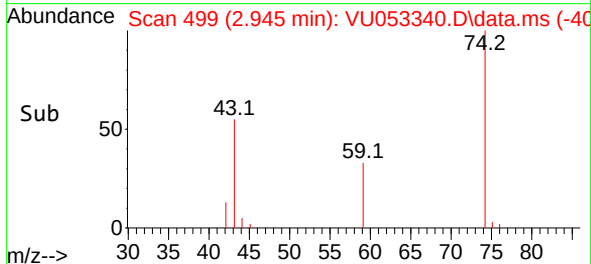
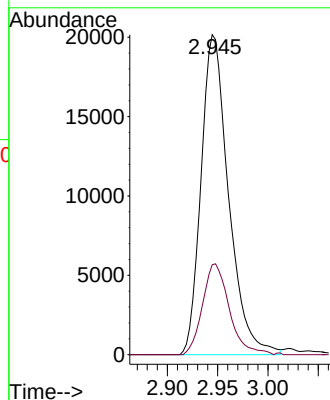
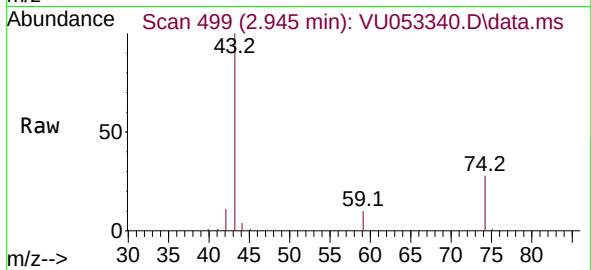




#15
Methyl Acetate
Concen: 49.465 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

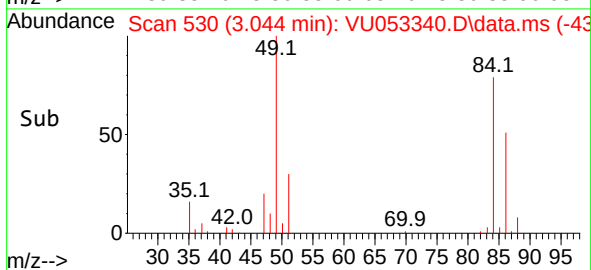
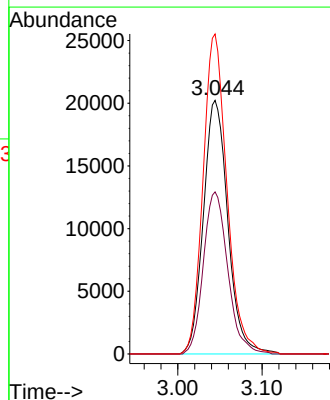
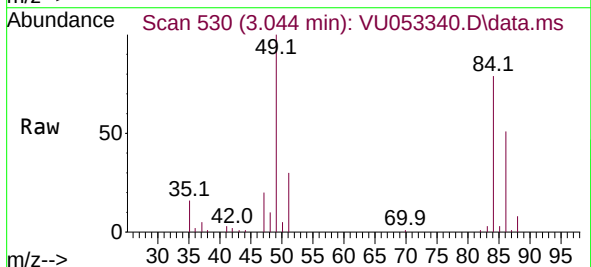
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

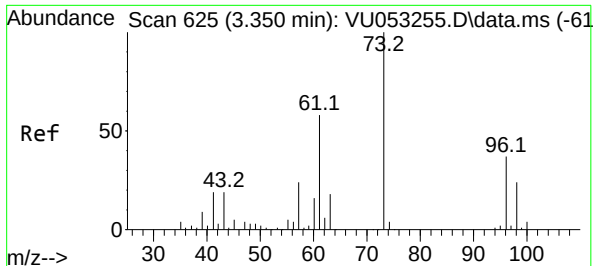
Tgt Ion: 43 Resp: 38394
Ion Ratio Lower Upper
43 100
74 27.6 21.4 32.0



#16
Methylene chloride
Concen: 39.558 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion: 84 Resp: 40954
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.4
49 126.2 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 41.687 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

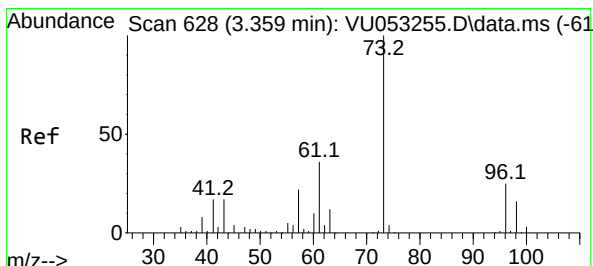
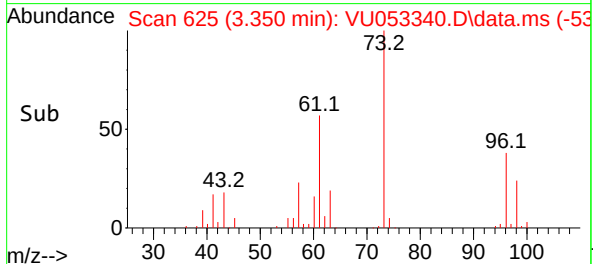
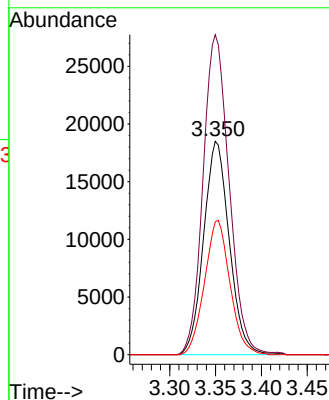
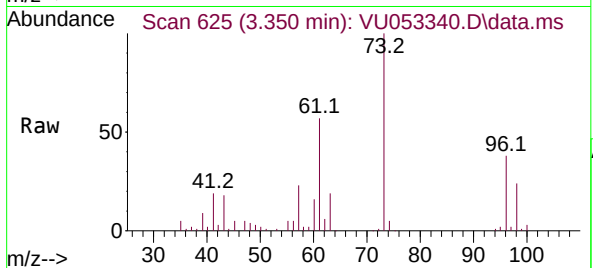
Tgt Ion: 96 Resp: 36096

Ion Ratio Lower Upper

96 100

61 149.9 99.6 185.0

98 62.2 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 43.808 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

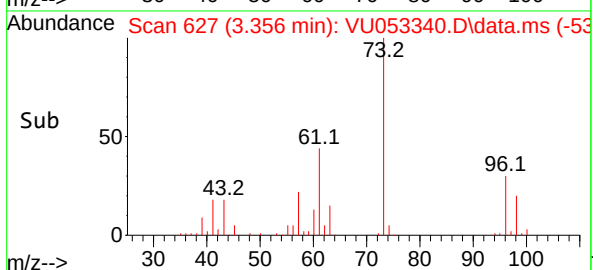
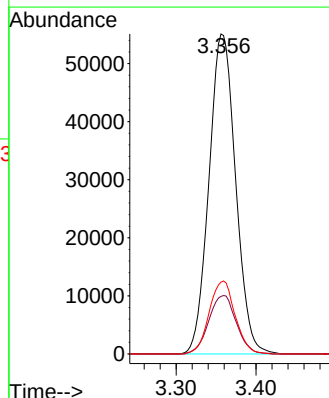
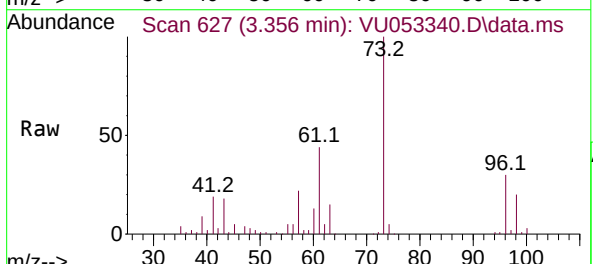
Tgt Ion: 73 Resp: 127551

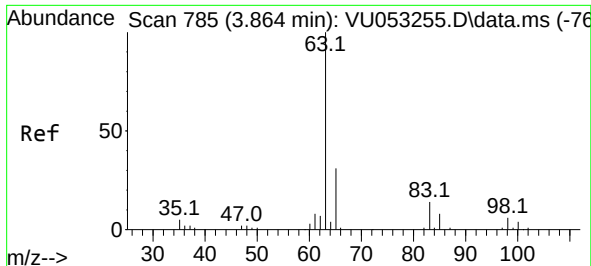
Ion Ratio Lower Upper

73 100

43 18.9 14.2 21.2

57 22.2 18.0 27.0





#19

1,1-Dichloroethane

Concen: 44.142 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

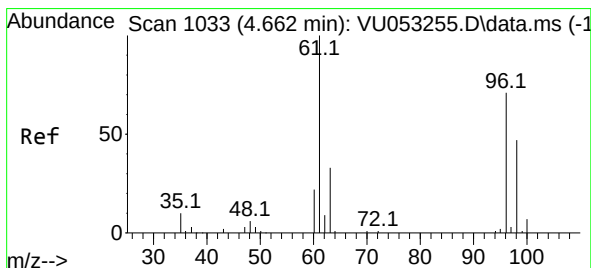
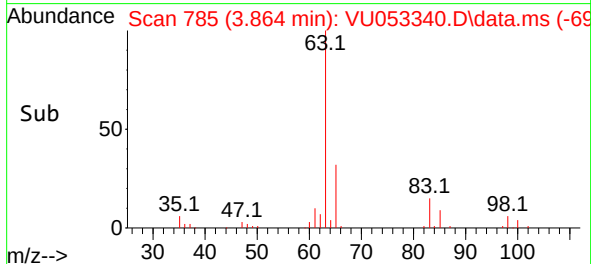
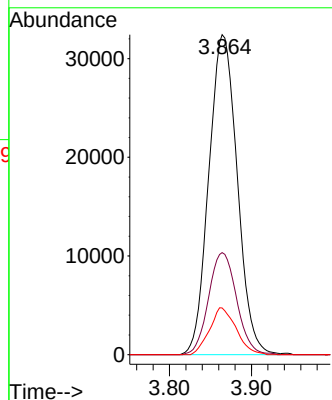
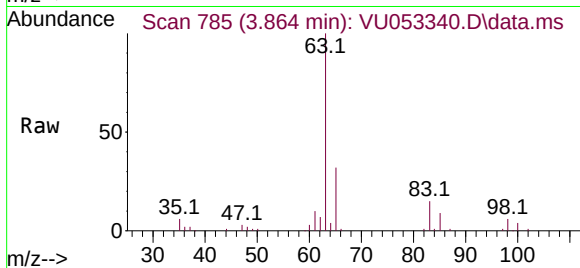
Tgt Ion: 63 Resp: 78022

Ion Ratio Lower Upper

63 100

65 31.9 22.8 42.4

83 14.6 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 43.376 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

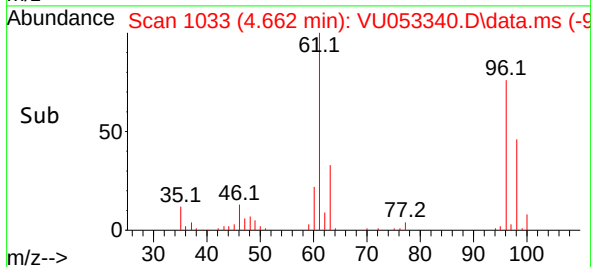
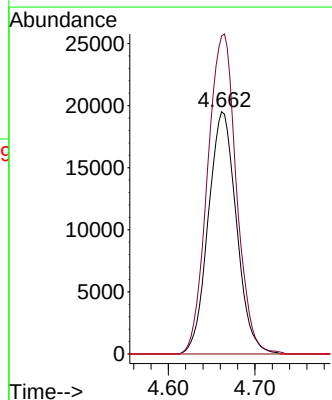
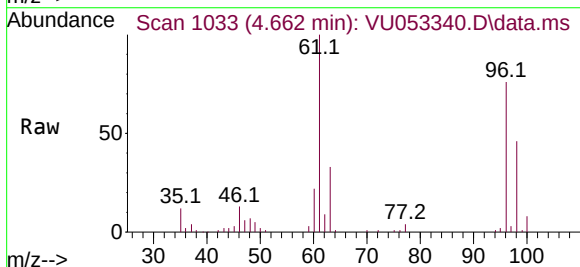
Tgt Ion: 96 Resp: 44114

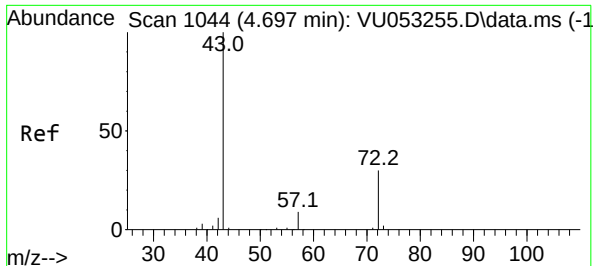
Ion Ratio Lower Upper

96 100

61 131.3 92.5 171.7

68 0.0 0.0 0.0

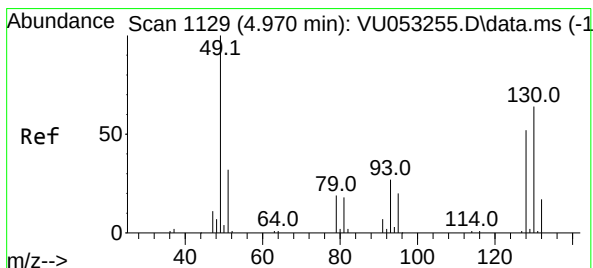
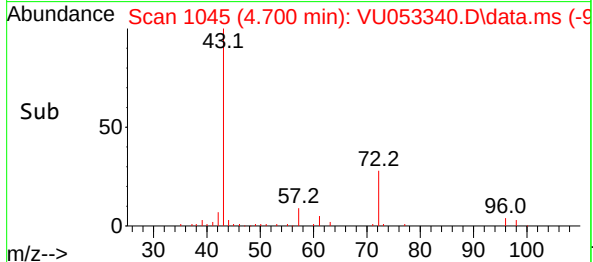
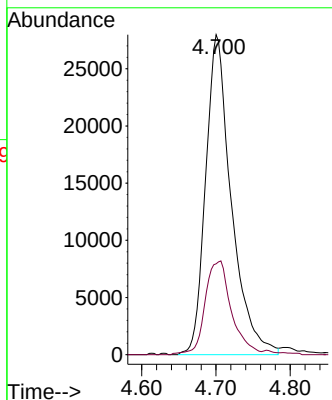
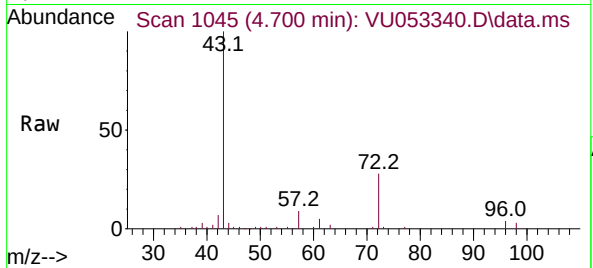




#22
2-Butanone
Concen: 104.297 ug/L
RT: 4.700 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

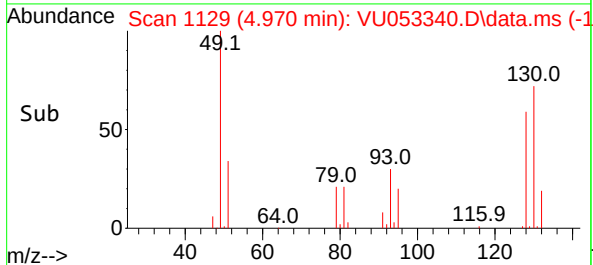
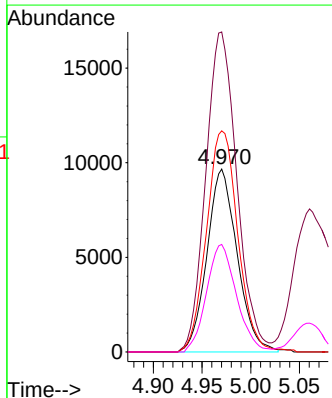
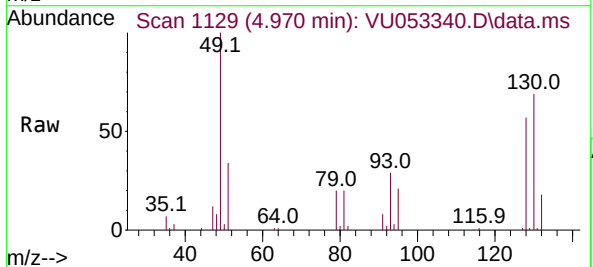
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

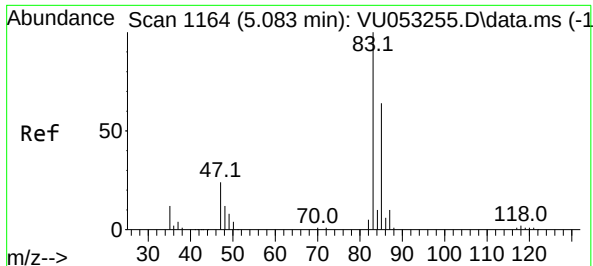
Tgt Ion: 43 Resp: 67288
Ion Ratio Lower Upper
43 100
72 29.8 16.0 47.9



#23
Bromochloromethane
Concen: 43.130 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion:128 Resp: 20915
Ion Ratio Lower Upper
128 100
49 175.0 109.9 204.1
130 121.0 87.2 161.9
51 58.8 41.1 61.7

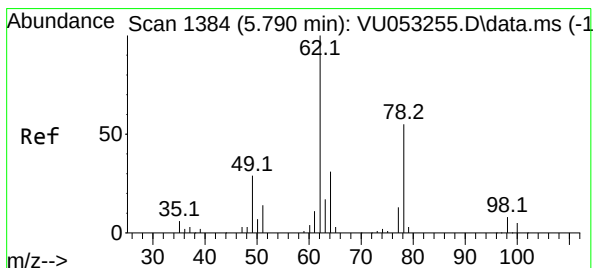
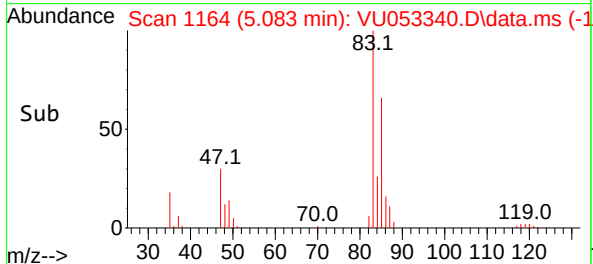
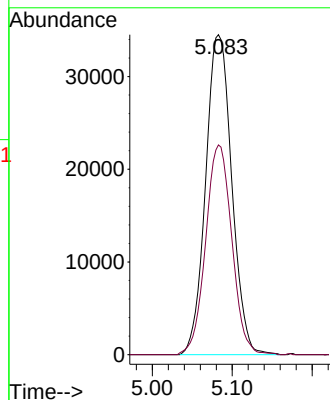
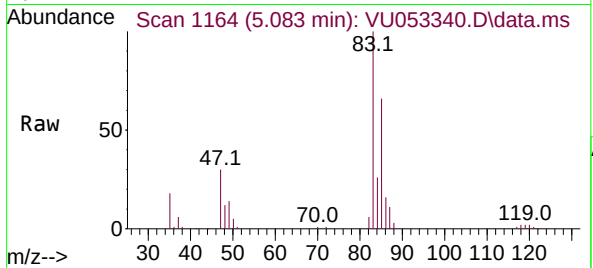




#25
Chloroform
Concen: 44.368 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

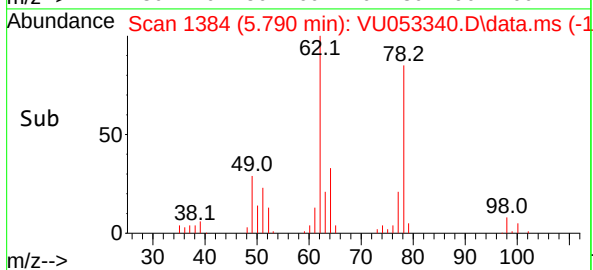
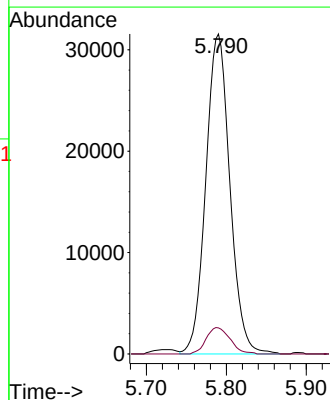
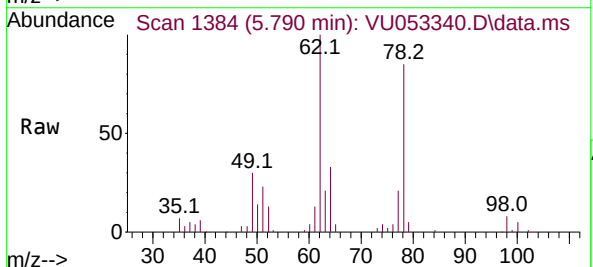
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

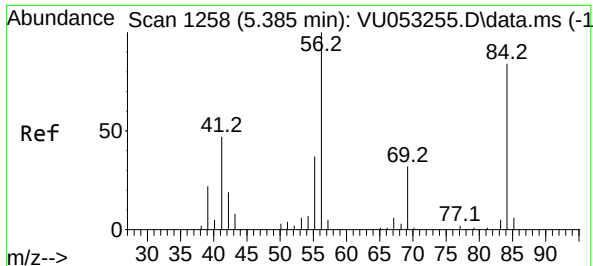
Tgt Ion: 83 Resp: 78473
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.3



#27
1,2-Dichloroethane
Concen: 47.370 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion: 62 Resp: 66138
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.6

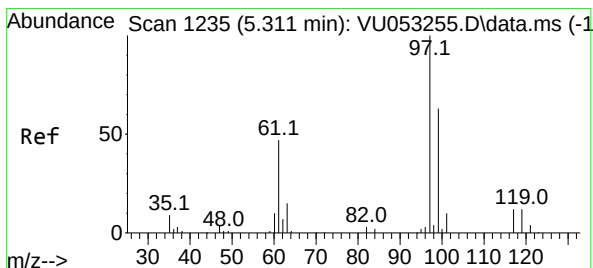
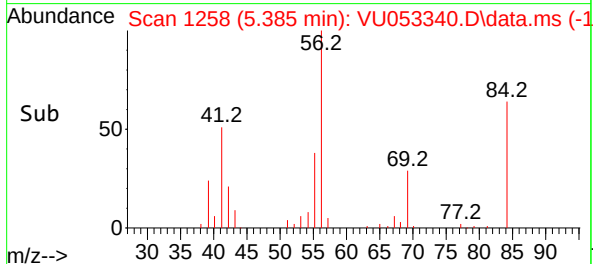
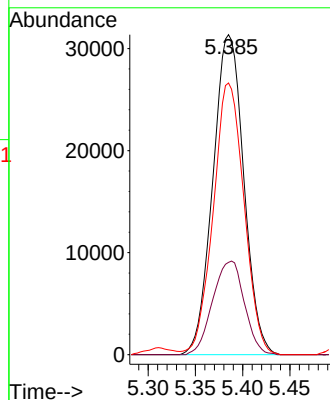
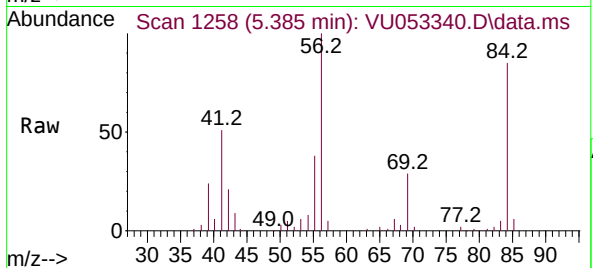




#29
Cyclohexane
Concen: 42.702 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

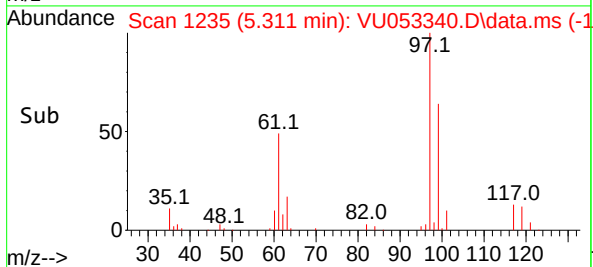
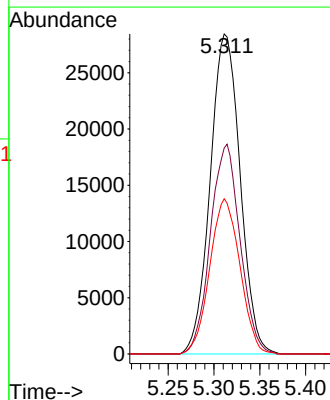
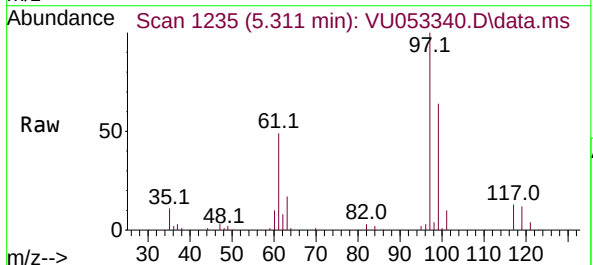
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

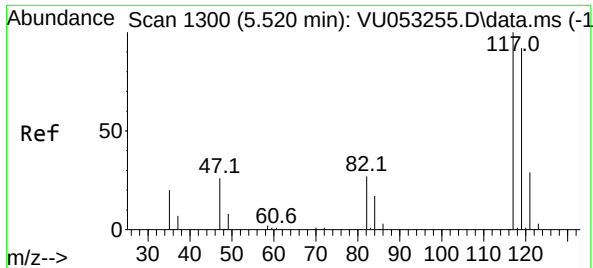
Tgt Ion: 56	Resp: 71297
Ion Ratio	Lower Upper
56 100	
69 29.9	25.4 38.0
84 84.5	69.0 103.6



#30
1,1,1-Trichloroethane
Concen: 42.417 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion: 97	Resp: 64785
Ion Ratio	Lower Upper
97 100	
99 64.8	50.6 76.0
61 48.8	36.0 54.0

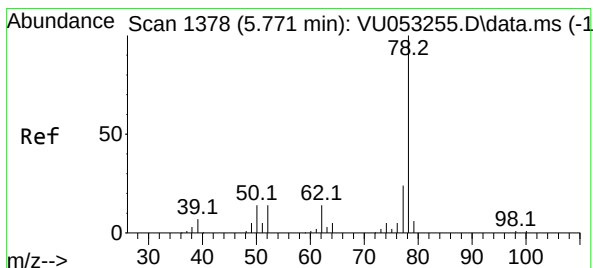
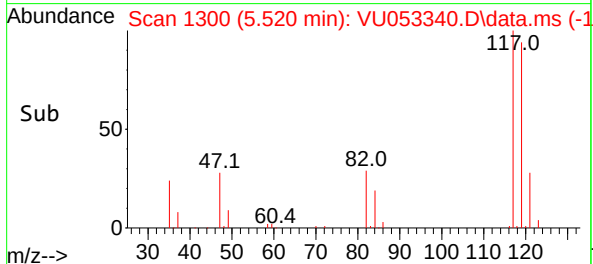
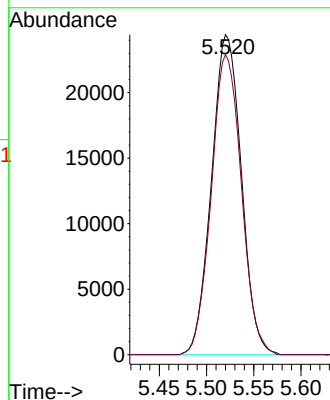
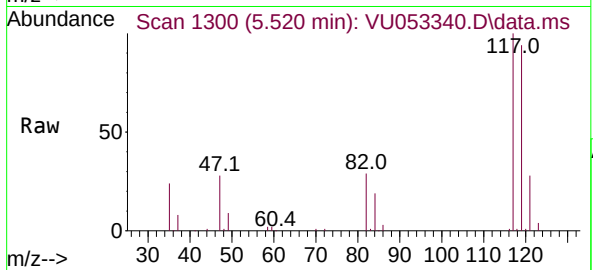




#31
Carbon tetrachloride
Concen: 42.827 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

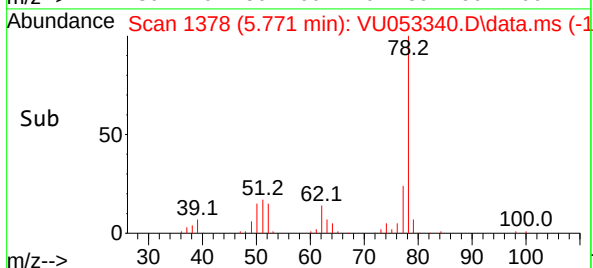
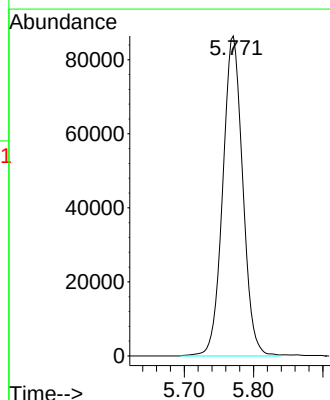
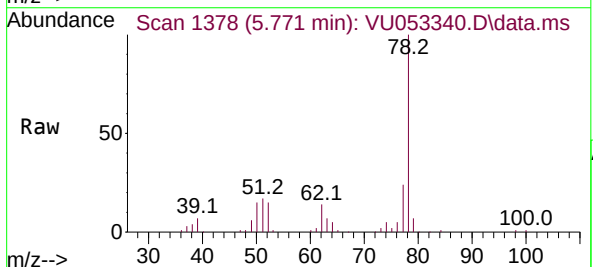
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

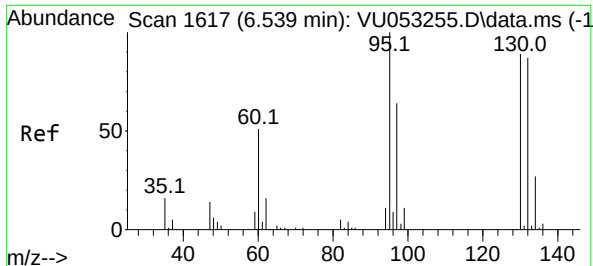
Tgt Ion:117 Resp: 53589
Ion Ratio Lower Upper
117 100
119 94.5 76.2 114.2



#33
Benzene
Concen: 44.586 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion: 78 Resp: 173208



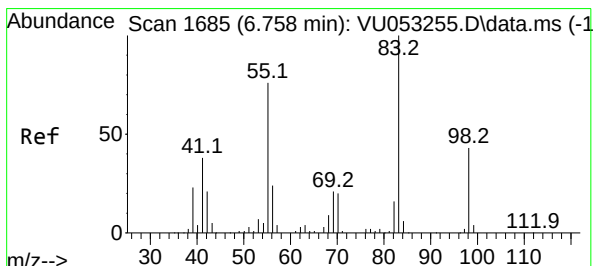
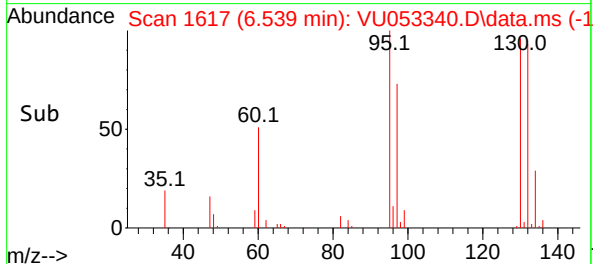
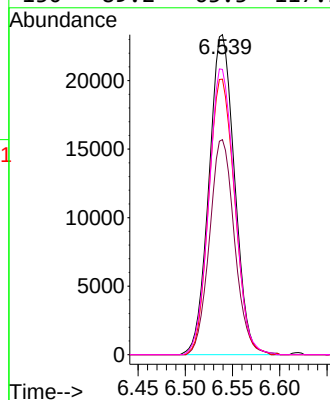
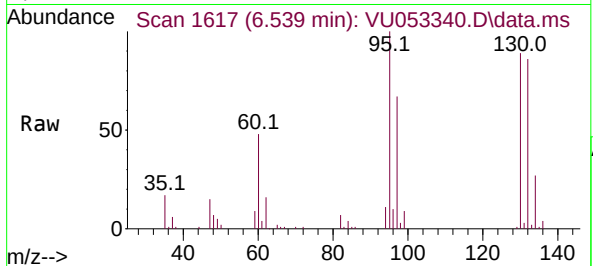


#34
Trichloroethene
Concen: 43.453 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

Tgt Ion: 95 Resp: 44015

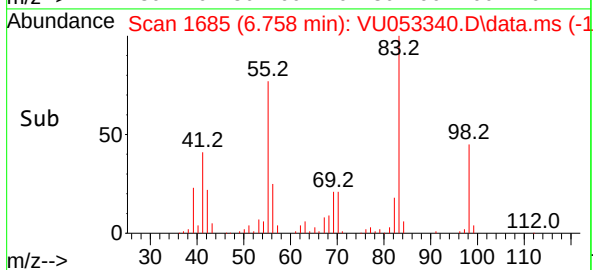
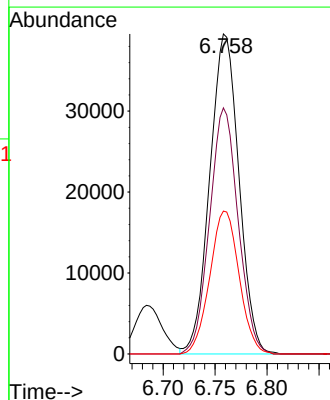
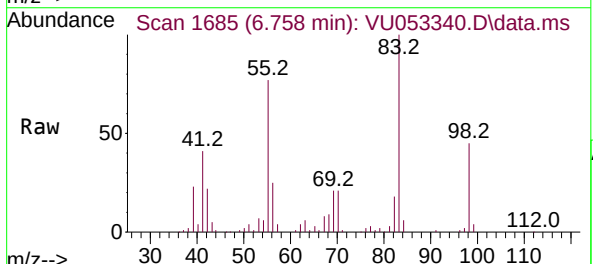
Ion	Ratio	Lower	Upper
95	100		
97	67.2	43.8	81.3
132	86.1	61.5	114.3
130	89.2	63.3	117.5

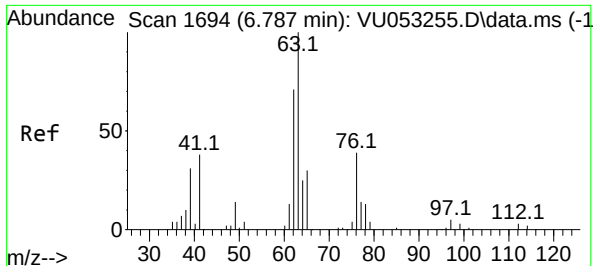


#35
Methylcyclohexane
Concen: 43.509 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion: 83 Resp: 77252

Ion	Ratio	Lower	Upper
83	100		
55	75.2	58.2	87.4
98	44.8	35.4	53.2

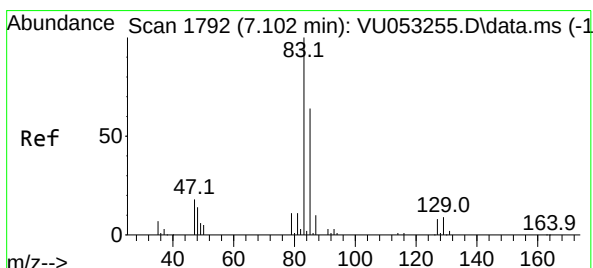
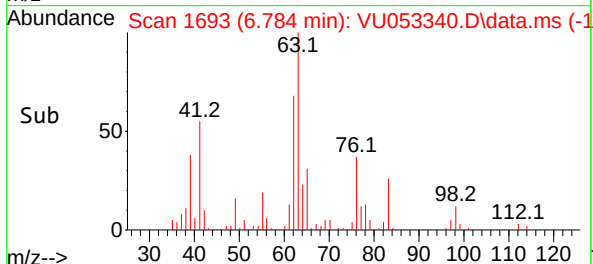
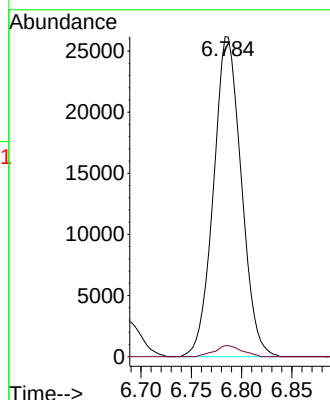
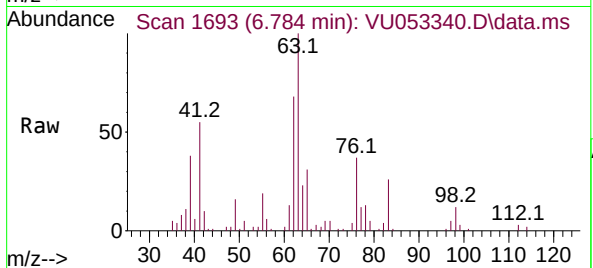




#37
1,2-Dichloropropane
Concen: 46.464 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

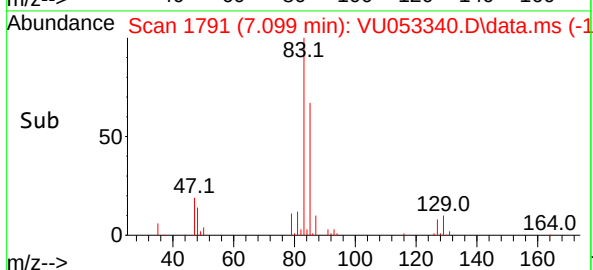
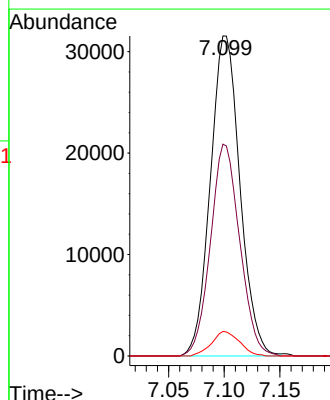
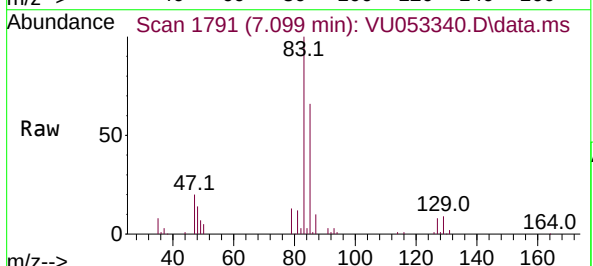
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

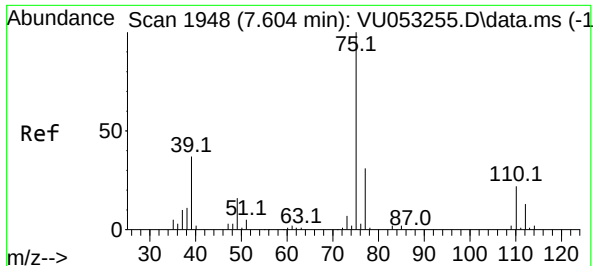
Tgt Ion: 63 Resp: 50359
Ion Ratio Lower Upper
63 100
112 3.4 2.6 3.8



#38
Bromodichloromethane
Concen: 43.259 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion: 83 Resp: 58348
Ion Ratio Lower Upper
83 100
85 66.2 45.4 84.2
127 7.6 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 44.674 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

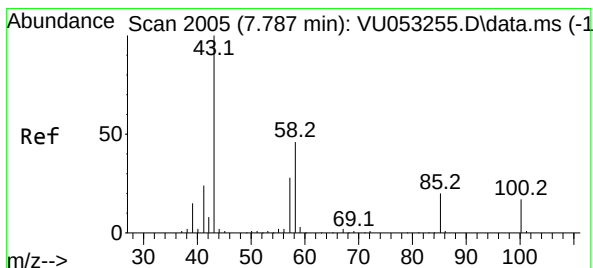
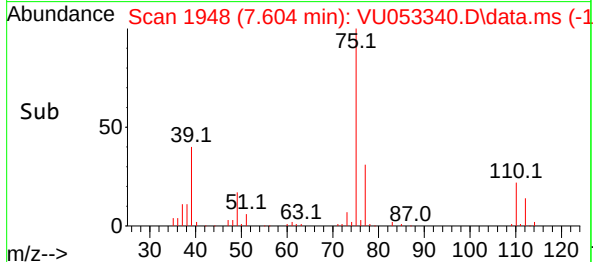
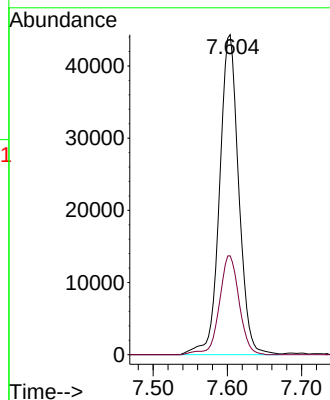
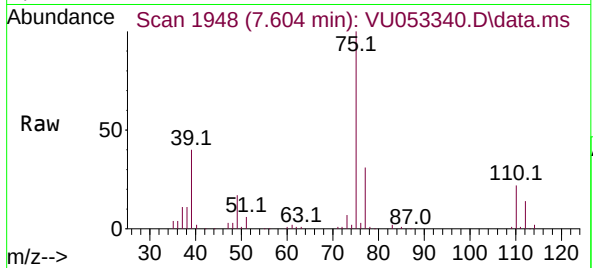
VSTD050171

Tgt Ion: 75 Resp: 79551

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 102.155 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

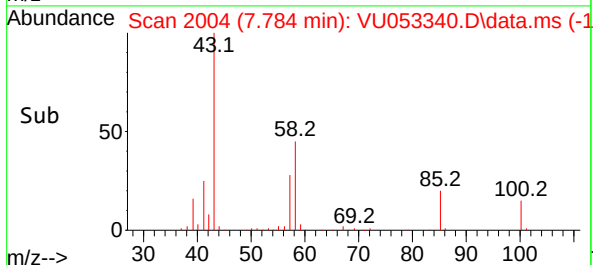
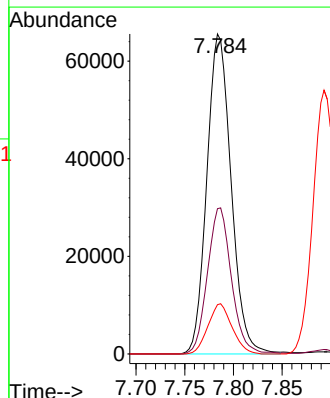
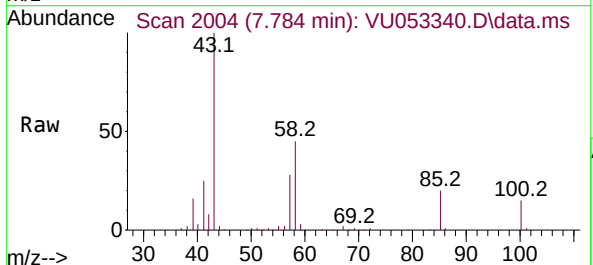
Tgt Ion: 43 Resp: 113803

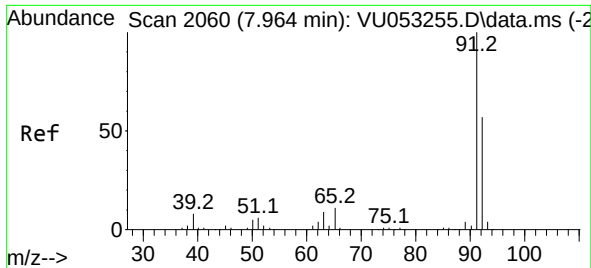
Ion Ratio Lower Upper

43 100

58 44.8 35.8 53.6

100 15.5 13.0 19.6





#42

Toluene

Concen: 44.864 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

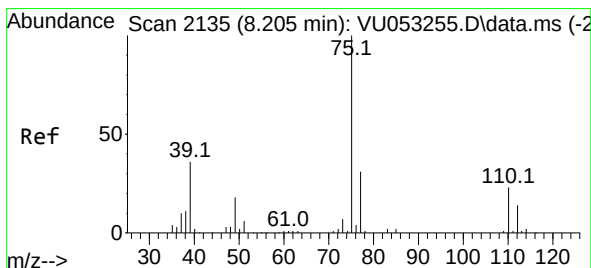
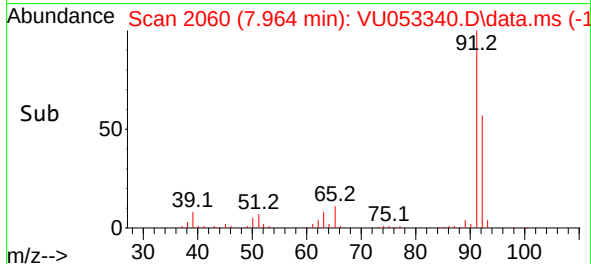
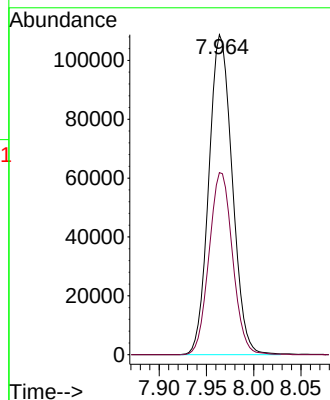
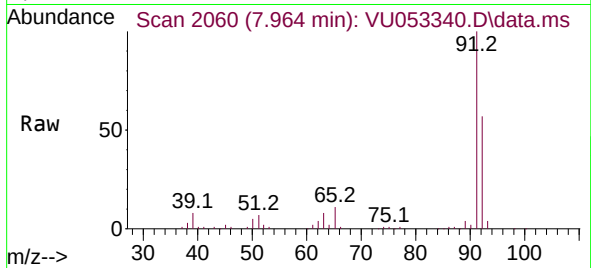
VSTD050171

Tgt Ion: 91 Resp: 187370

Ion Ratio Lower Upper

91 100

92 56.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 45.466 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053340.D

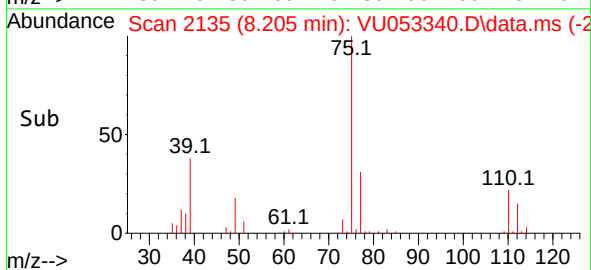
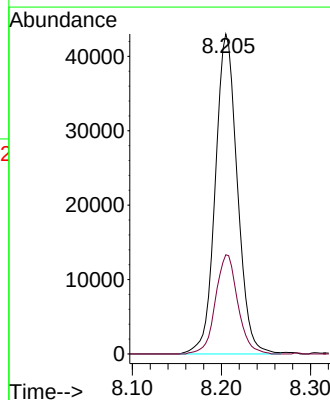
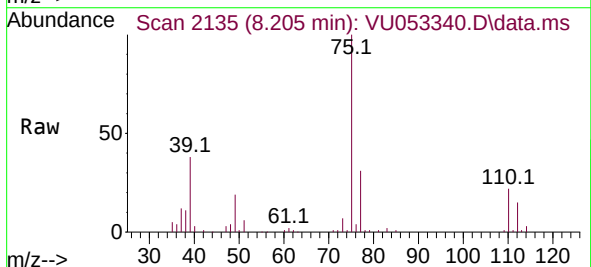
Acq: 22 Mar 2023 10:02

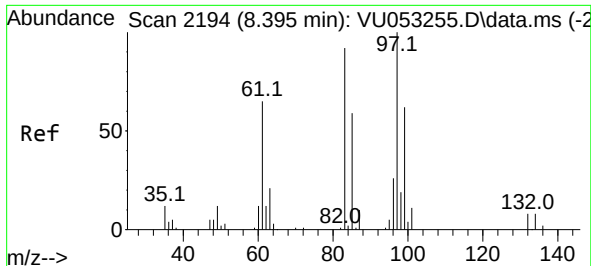
Tgt Ion: 75 Resp: 74006

Ion Ratio Lower Upper

75 100

77 31.0 22.0 40.8



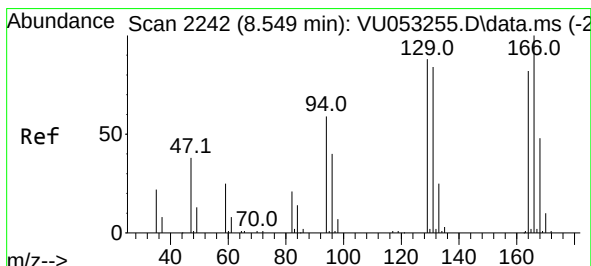
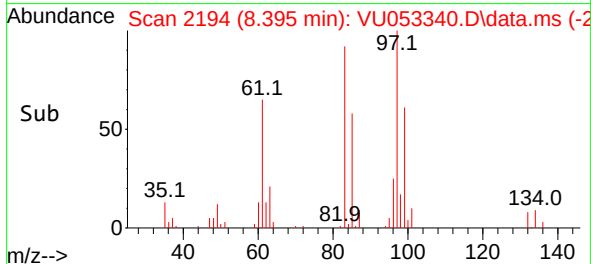
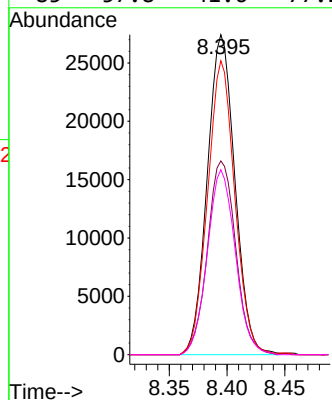
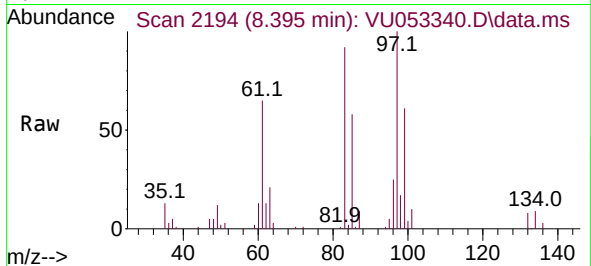


#45
1,1,2-Trichloroethane
Concen: 46.415 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

Tgt Ion: 97 Resp: 45807

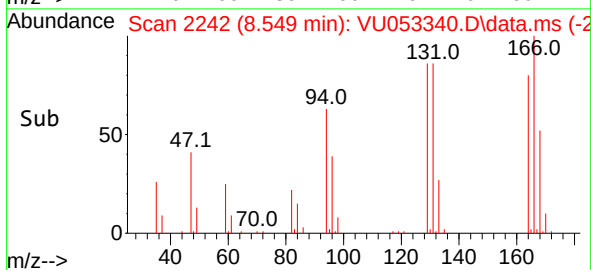
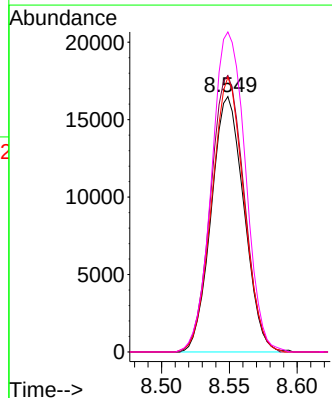
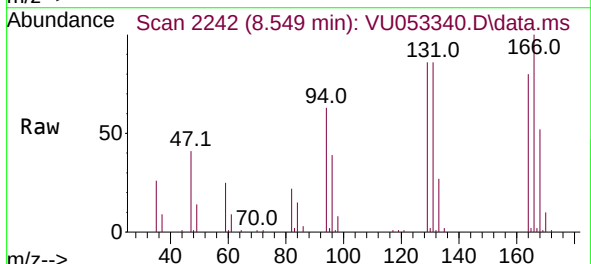
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.4	82.4
83	91.8	63.8	118.6
85	57.8	41.6	77.2

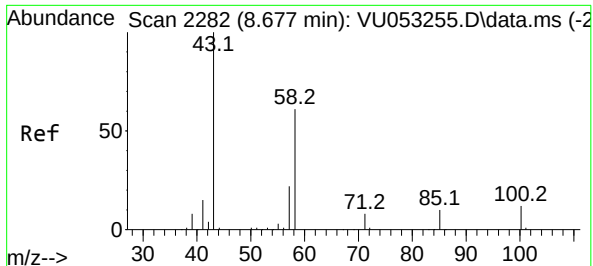


#46
Tetrachloroethene
Concen: 41.969 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion: 164 Resp: 27658

Ion	Ratio	Lower	Upper
164	100		
129	108.3	73.6	136.8
131	107.6	70.3	130.7
166	125.3	88.9	165.1

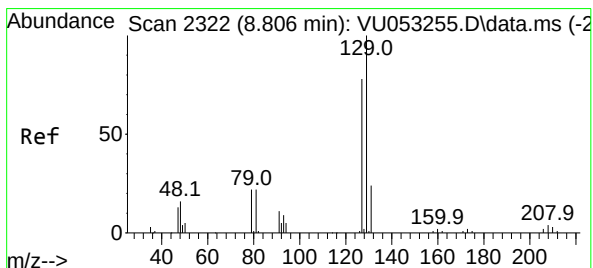
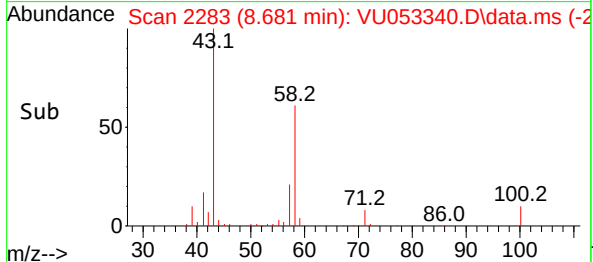
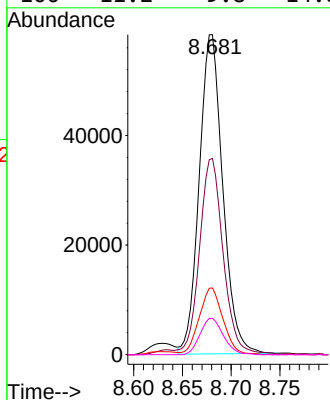
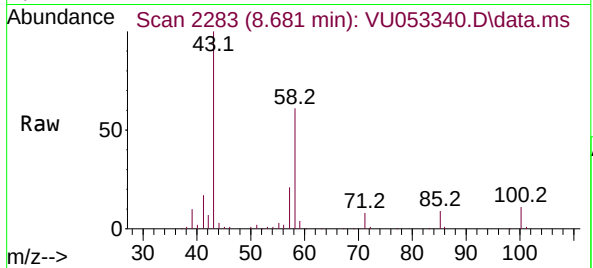




#48
2-Hexanone
Concen: 105.170 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

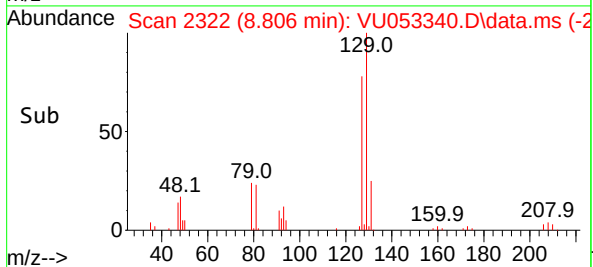
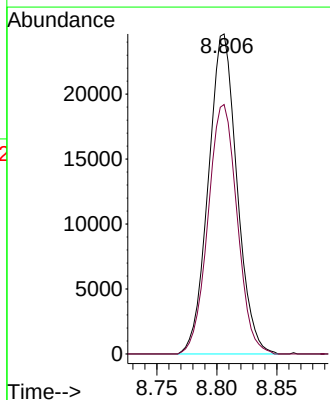
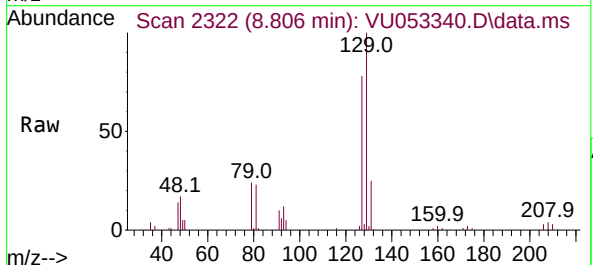
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

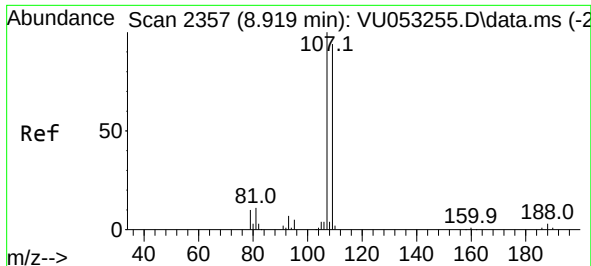
Tgt Ion:	43	Resp:	98110
Ion	Ratio	Lower	Upper
43	100		
58	61.3	49.4	74.0
57	21.2	16.9	25.3
100	11.2	9.8	14.8



#49
Dibromochloromethane
Concen: 40.543 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion:	129	Resp:	40930
Ion	Ratio	Lower	Upper
129	100		
127	77.9	53.1	98.5





#50

1,2-Dibromoethane

Concen: 44.116 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

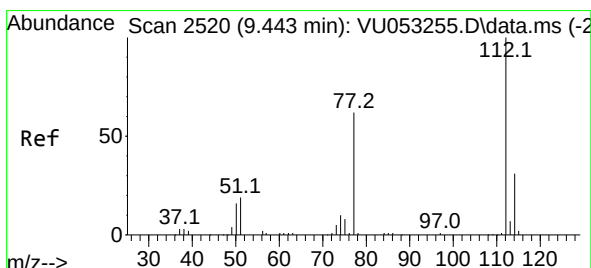
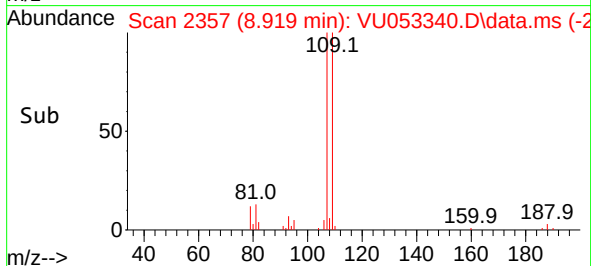
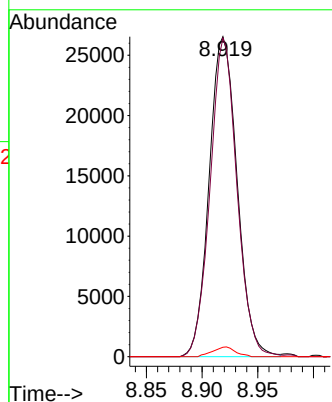
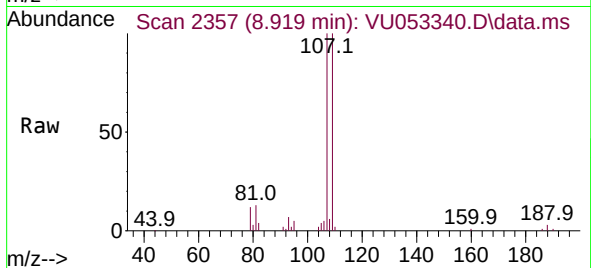
Tgt Ion:107 Resp: 46392

Ion Ratio Lower Upper

107 100

109 99.5 64.6 120.0

188 3.0 2.2 3.4



#51

Chlorobenzene

Concen: 45.181 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

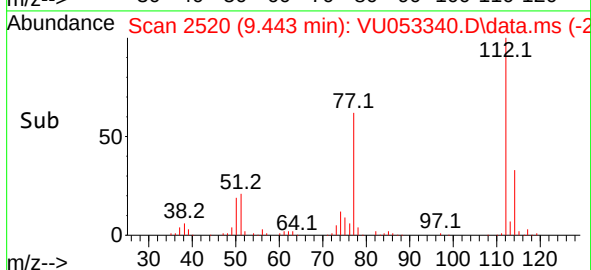
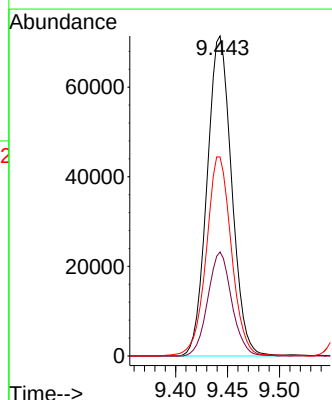
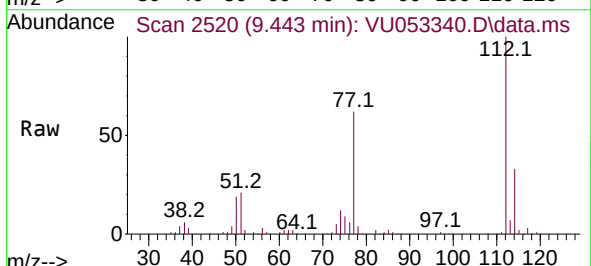
Tgt Ion:112 Resp: 117605

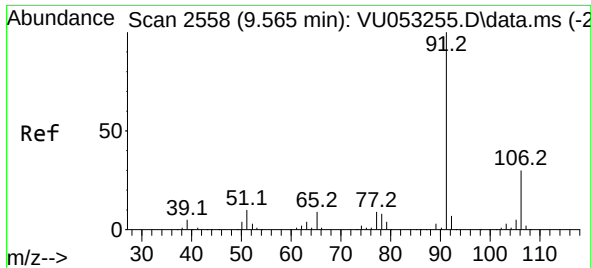
Ion Ratio Lower Upper

112 100

114 32.5 21.8 40.6

77 62.2 48.8 73.2

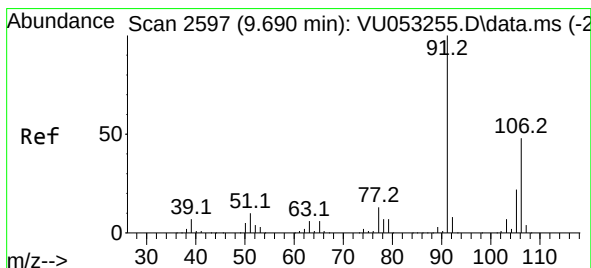
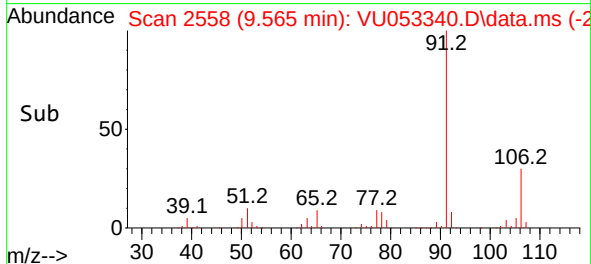
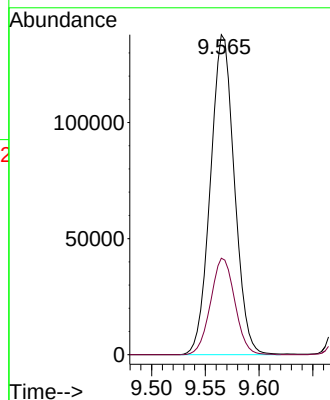
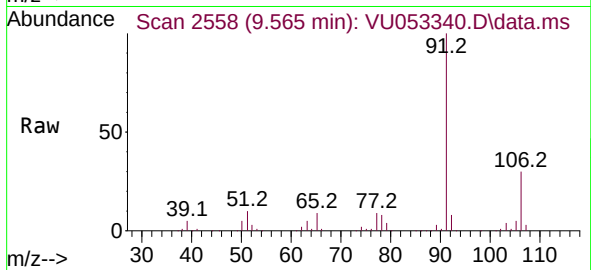




#52
Ethylbenzene
Concen: 45.101 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

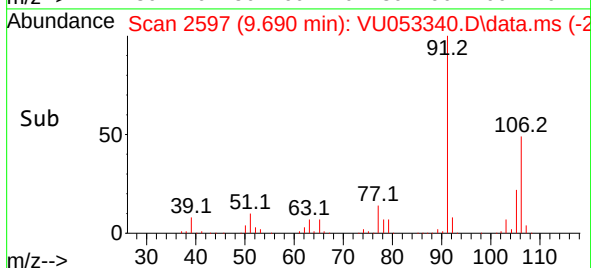
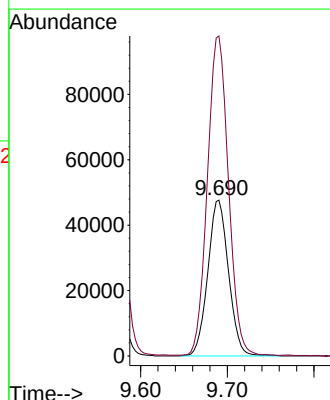
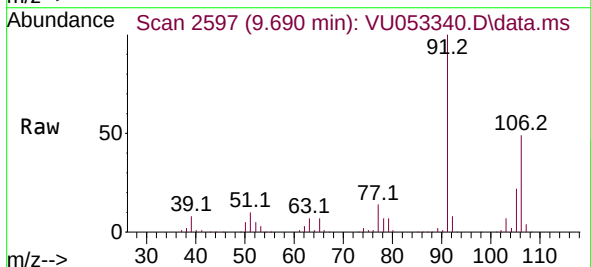
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

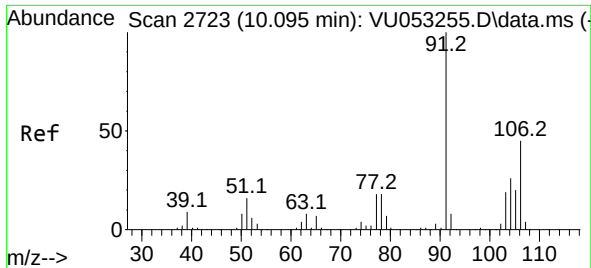
Tgt Ion: 91 Resp: 213607
Ion Ratio Lower Upper
91 100
106 30.1 21.6 40.0



#53
m,p-Xylene
Concen: 44.849 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion: 106 Resp: 79280
Ion Ratio Lower Upper
106 100
91 205.3 145.3 269.8

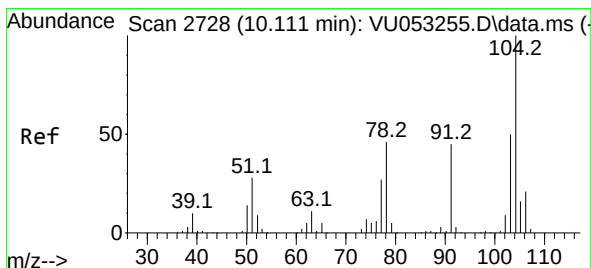
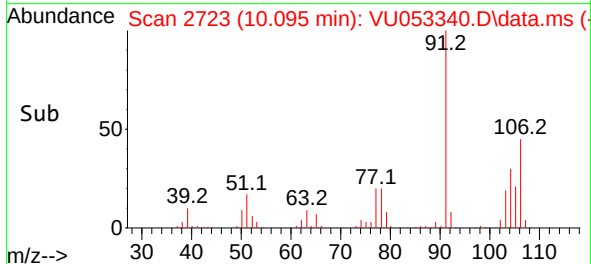
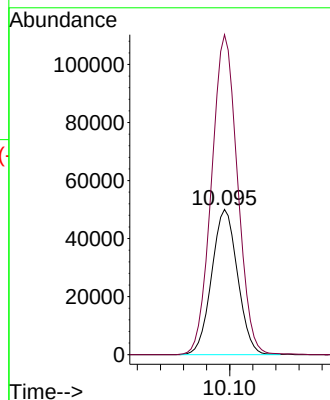
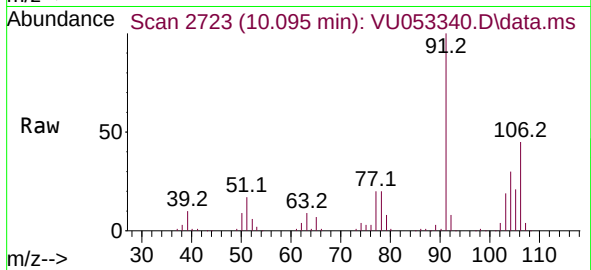




#54
o-Xylene
Concen: 44.518 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

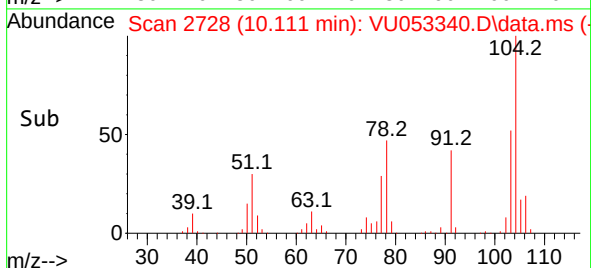
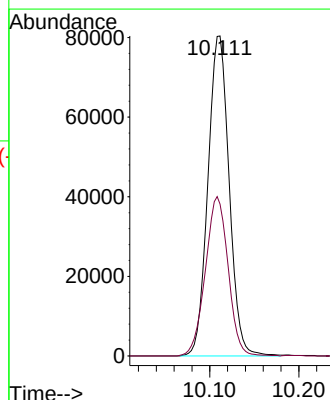
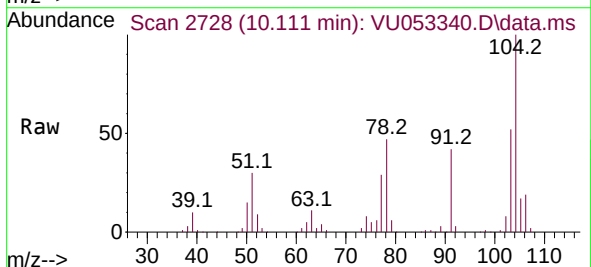
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

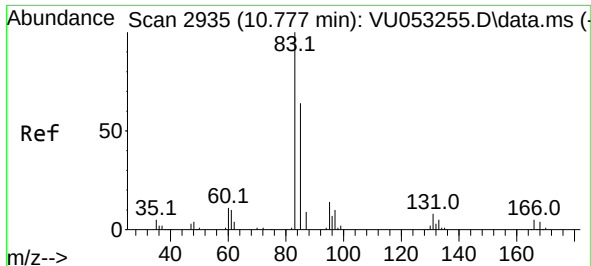
Tgt Ion:106 Resp: 77832
Ion Ratio Lower Upper
106 100
91 220.3 154.9 287.7



#55
Styrene
Concen: 45.711 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion:104 Resp: 133197
Ion Ratio Lower Upper
104 100
78 47.5 32.9 61.1

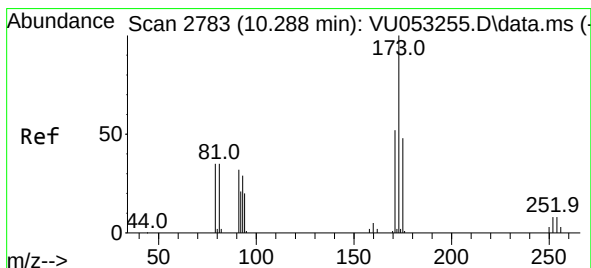
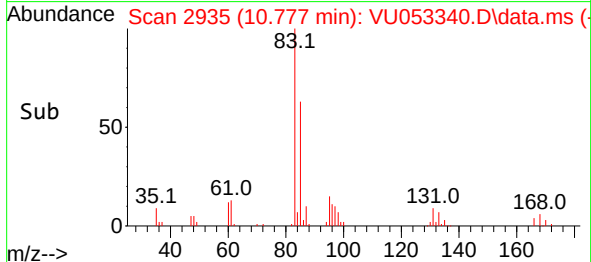
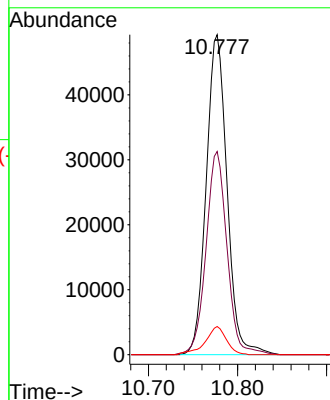
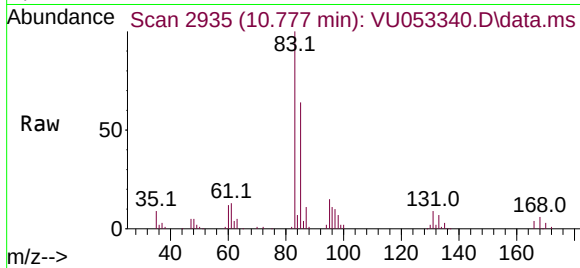




#57
1,1,2,2-Tetrachloroethane
Concen: 49.369 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

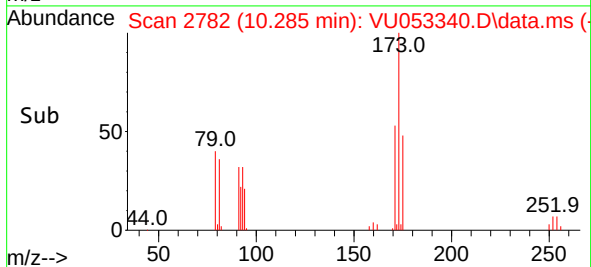
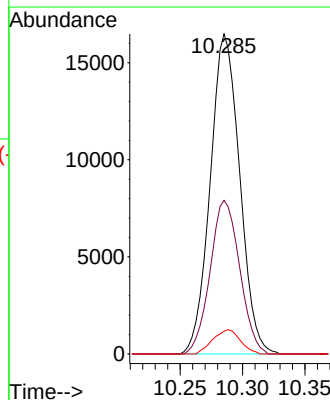
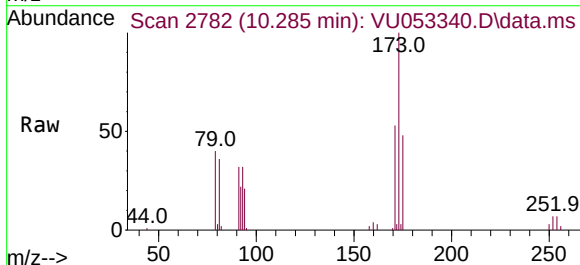
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

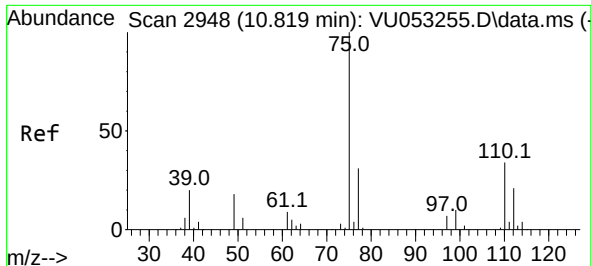
Tgt Ion: 83 Resp: 79881
Ion Ratio Lower Upper
83 100
85 63.5 46.0 85.4
131 8.8 6.6 10.0



#59
Bromoform
Concen: 44.058 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion:173 Resp: 27117
Ion Ratio Lower Upper
173 100
175 48.1 38.5 57.7
254 7.1 6.5 9.7

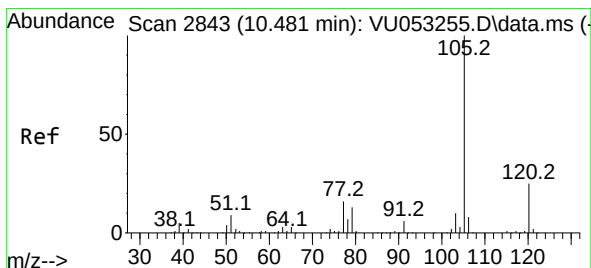
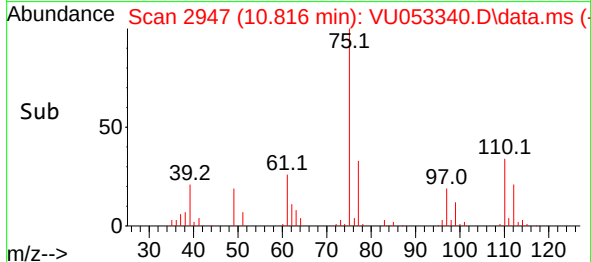
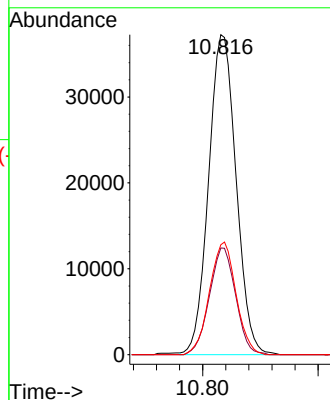
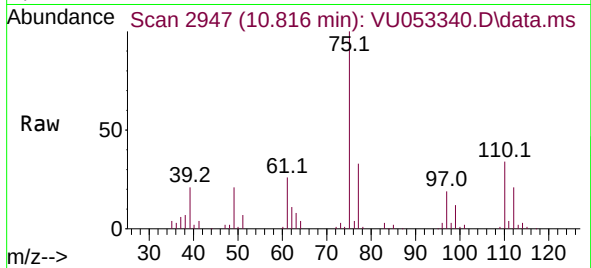




#60
1,2,3-Trichloropropane
Concen: 57.288 ug/L
RT: 10.816 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

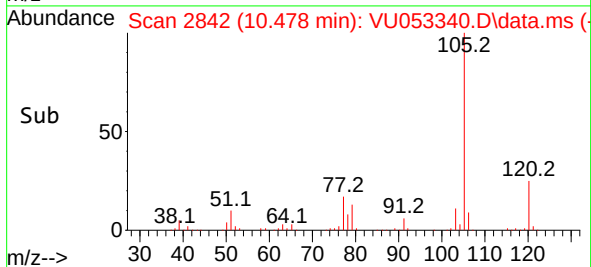
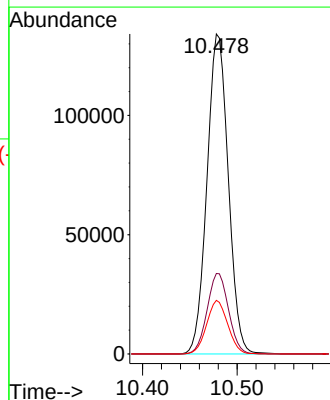
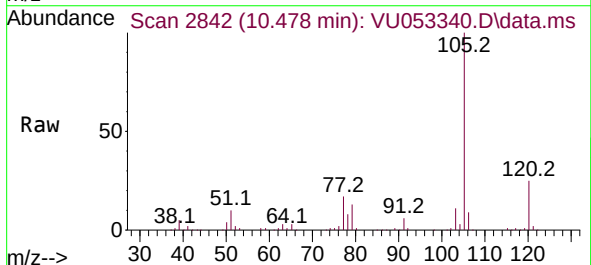
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

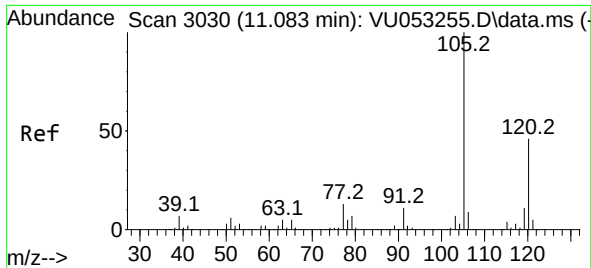
Tgt Ion: 75	Resp: 61569
Ion Ratio	Lower Upper
75 100	
77 31.8	26.6 40.0
110 33.9	28.6 42.8



#61
Isopropylbenzene
Concen: 49.108 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion:105	Resp: 209855		
Ion Ratio	Lower	Upper	
105 100			
120 25.3	20.4	30.6	
77 16.6	13.0	19.4	

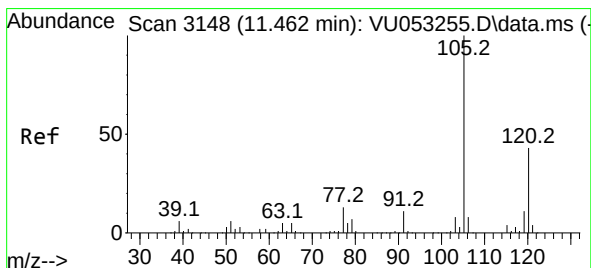
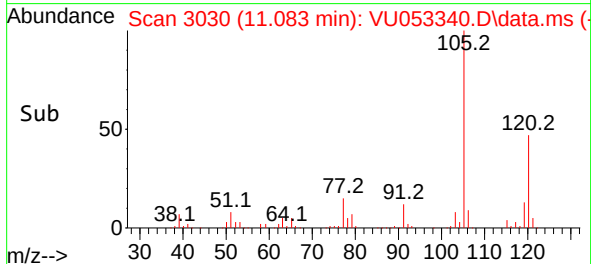
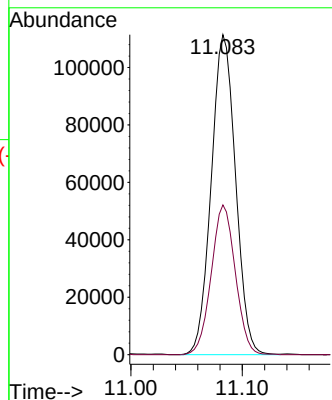
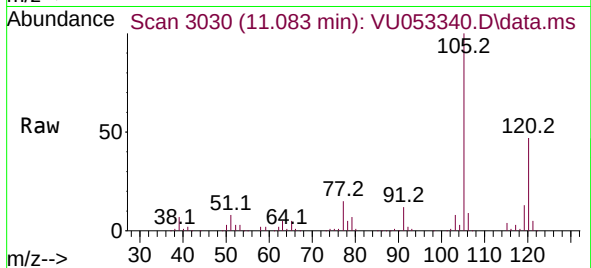




#62
1,3,5-Trimethylbenzene
Concen: 47.727 ug/L
RT: 11.083 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

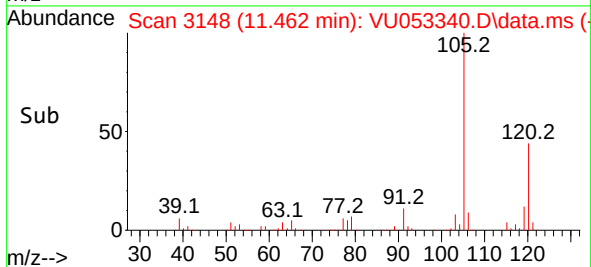
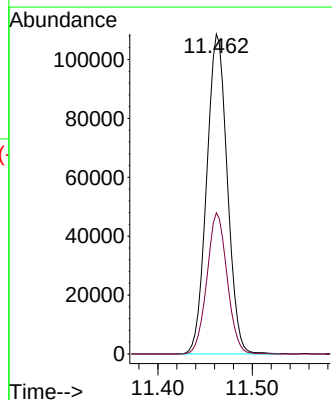
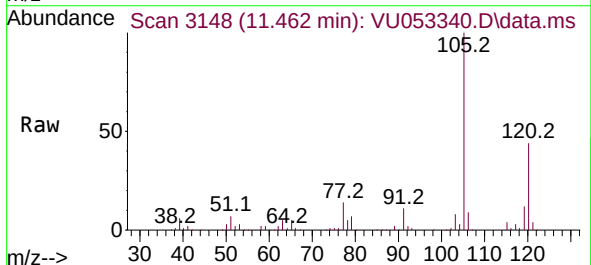
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

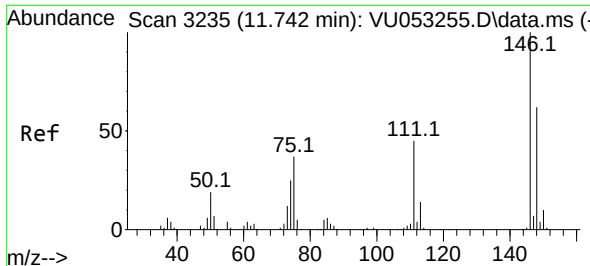
Tgt Ion:105 Resp: 168824
Ion Ratio Lower Upper
105 100
120 46.3 37.0 55.4



#63
1,2,4-Trimethylbenzene
Concen: 47.723 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion:105 Resp: 164545
Ion Ratio Lower Upper
105 100
120 43.2 34.6 52.0

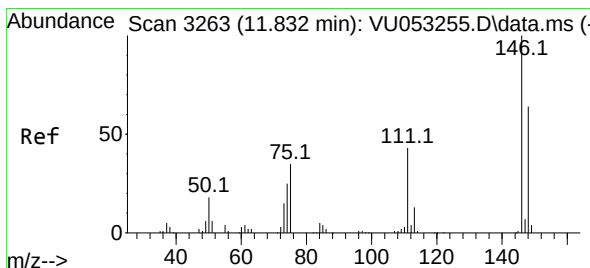
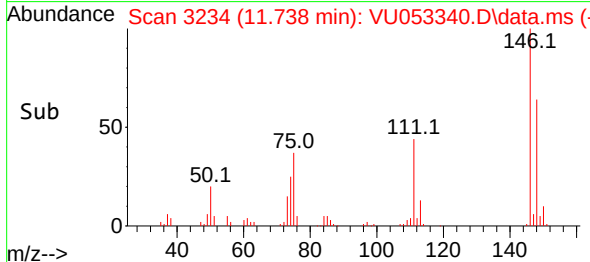
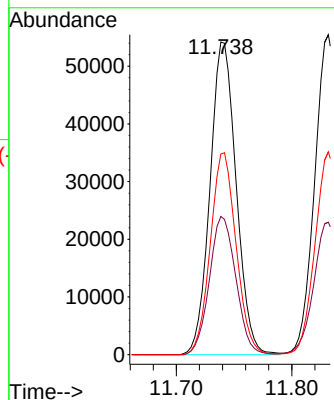
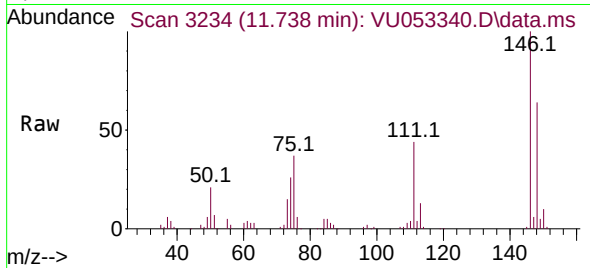




#64
1,3-Dichlorobenzene
Concen: 47.682 ug/L
RT: 11.738 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

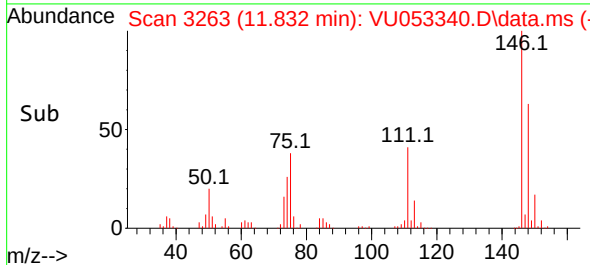
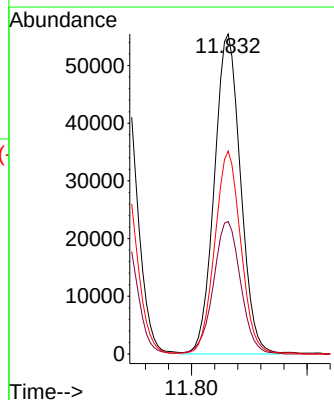
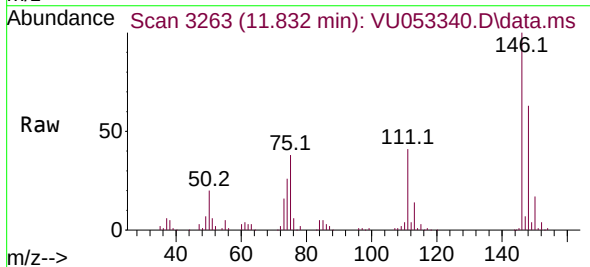
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

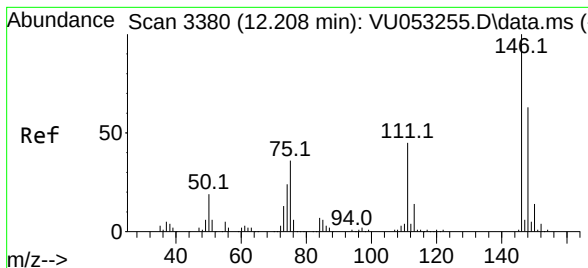
Tgt Ion:146 Resp: 85456
Ion Ratio Lower Upper
146 100
111 44.2 30.2 56.0
148 64.2 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 48.629 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion:146 Resp: 87492
Ion Ratio Lower Upper
146 100
111 41.4 30.7 57.1
148 63.4 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 47.521 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

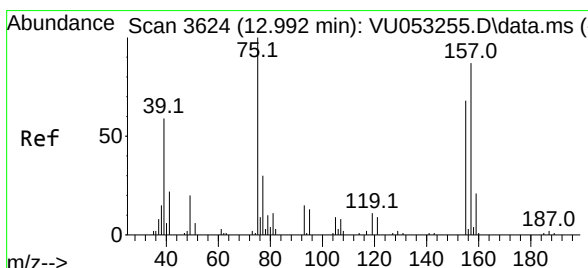
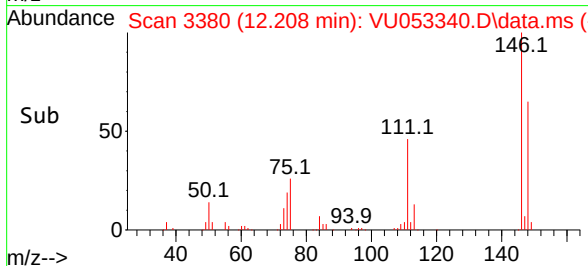
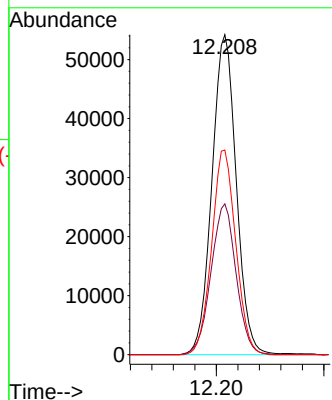
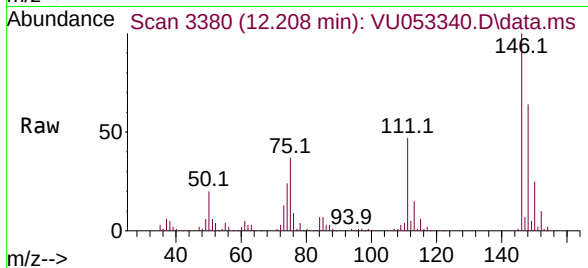
Tgt Ion:146 Resp: 85124

Ion Ratio Lower Upper

146 100

111 47.2 37.0 55.4

148 63.9 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 54.215 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053340.D

Acq: 22 Mar 2023 10:02

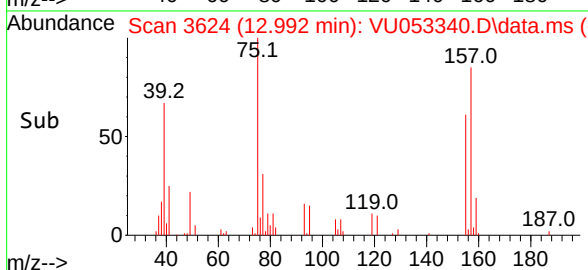
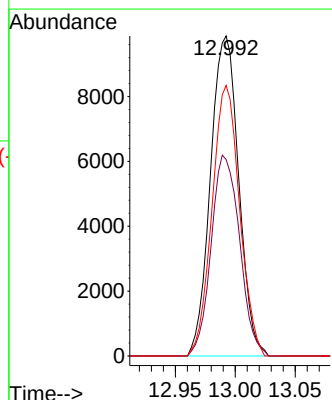
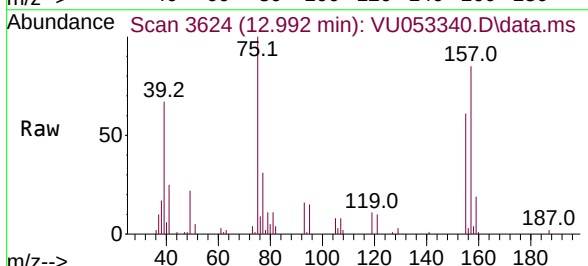
Tgt Ion: 75 Resp: 16112

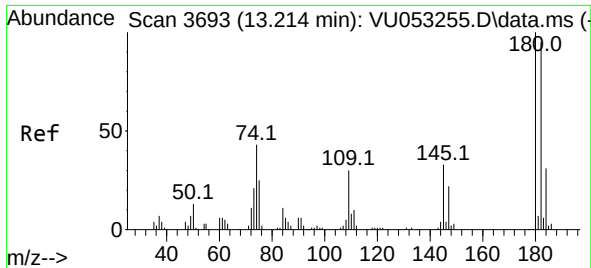
Ion Ratio Lower Upper

75 100

155 61.4 60.2 90.4

157 84.6 73.0 109.4

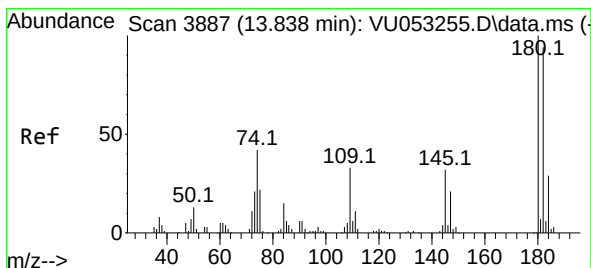
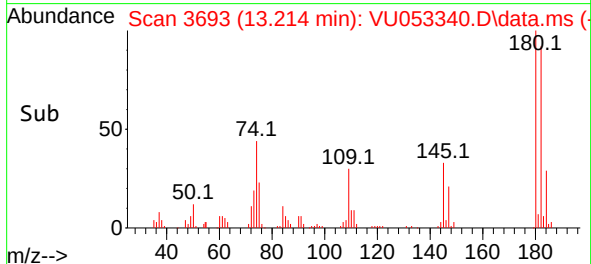
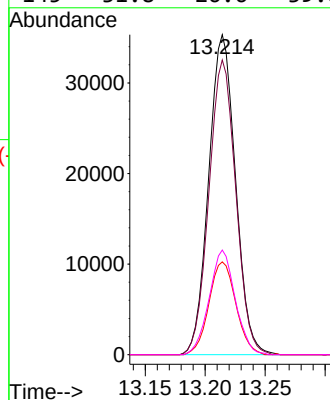
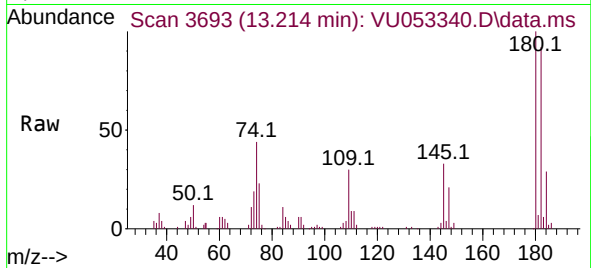




#69
 1,3,5-Trichlorobenzene
 Concen: 48.289 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053340.D
 Acq: 22 Mar 2023 10:02

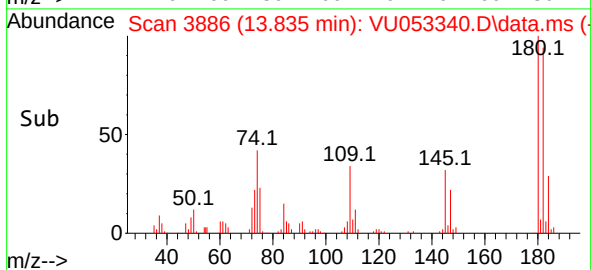
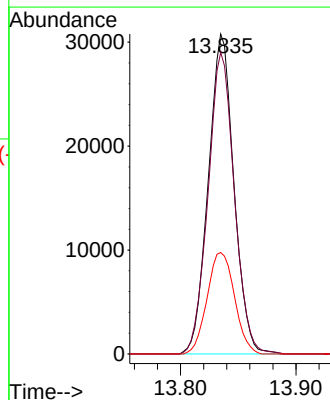
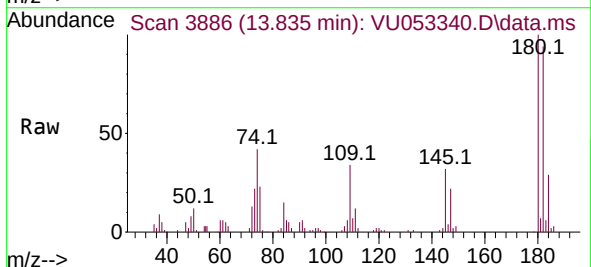
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

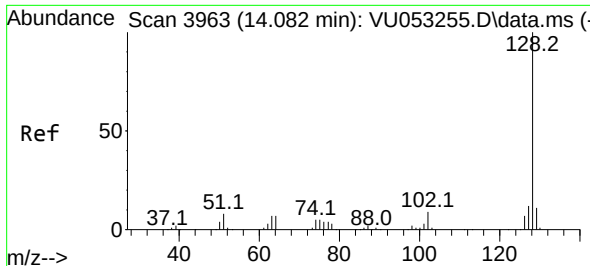
Tgt Ion:	180	Resp:	54869
Ion Ratio	Lower	Upper	
180	100		
182	92.1	74.5	111.7
184	29.2	23.2	34.8
145	31.8	26.6	39.8



#70
 1,2,4-trichlorobenzene
 Concen: 46.411 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053340.D
 Acq: 22 Mar 2023 10:02

Tgt Ion:	180	Resp:	47384
Ion Ratio	Lower	Upper	
180	100		
182	96.5	75.8	113.8
145	33.9	27.2	40.8

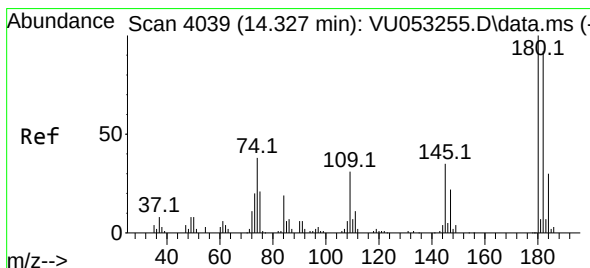
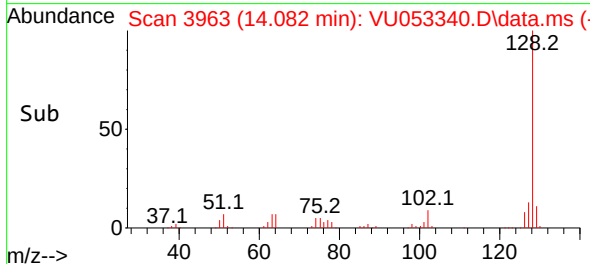
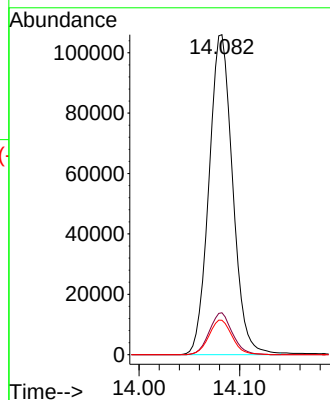
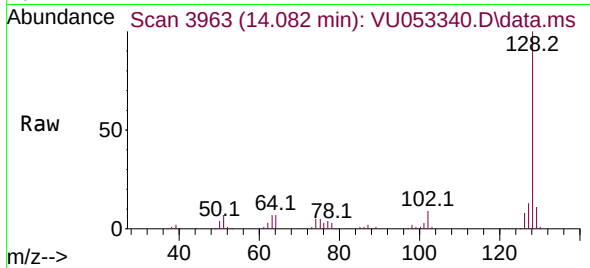




#71
Naphthalene
Concen: 50.472 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

Tgt Ion:128 Resp: 173685
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.256 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053340.D
Acq: 22 Mar 2023 10:02

Tgt Ion:180 Resp: 47690
Ion Ratio Lower Upper
180 100
182 94.1 76.7 115.1
145 34.5 28.6 42.8

