

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052525.D
 Acq On : 23 Dec 2022 09:58
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005116

Quant Time: Dec 24 03:49:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 23 06:08:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	229591	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	213015	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	110751	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	89195	3.835	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.600%
7) Chloroethane-d5	1.916	69	81667	4.071	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.568	65	38689	3.865	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.400%
20) 2-Butanone-d5	4.649	46	383426	53.158	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.320%
24) Chloroform-d	5.060	84	173135	4.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.700	65	101625	4.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.726	84	354393	4.853	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.687	67	120095	4.777	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.896	98	311408	5.079	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
43) trans-1,3-Dichloroprop...	8.179	79	45716	5.311	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.200%
46) 2-Hexanone-d5	8.633	63	283933	60.285	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.580%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	110082	5.157	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	110262	4.890	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	93701	4.587	ug/L	100
3) Chloromethane	1.520	50	130571	4.428	ug/L	98
5) Vinyl chloride	1.604	62	122799	4.594	ug/L	94
6) Bromomethane	1.858	94	62449	4.098	ug/L	96
8) Chloroethane	1.935	64	75076	4.101	ug/L	97
9) Trichlorofluoromethane	2.141	101	139112	4.603	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	84773	4.719	ug/L	98
12) 1,1-Dichloroethene	2.581	96	79507	4.624	ug/L	92
13) Acetone	2.675	43	253955	47.760	ug/L	99
14) Carbon disulfide	2.793	76	248960	4.494	ug/L	98
15) Methyl Acetate	2.964	43	56715	4.842	ug/L	97
16) Methylene chloride	3.044	84	102949	4.238	ug/L	100
17) Methyl tert-butyl Ether	3.363	73	235050	5.121	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	84656	4.777	ug/L	99
19) 1,1-Dichloroethane	3.867	63	176959	4.592	ug/L	99
21) 2-Butanone	4.729	43	413325	52.779	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	93192	4.792	ug/L	98
23) Bromochloromethane	4.973	128	42356	4.700	ug/L	99
25) Chloroform	5.086	83	167167	4.477	ug/L	99

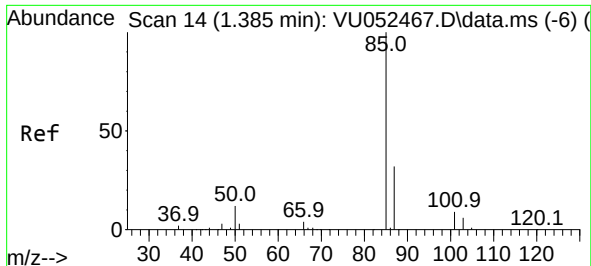
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052525.D
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005116

Quant Time: Dec 24 03:49:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 23 06:08:56 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	118517	4.594	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	132435	4.940	ug/L	98
30) Cyclohexane	5.385	56	160319	5.534	ug/L	100
31) Carbon tetrachloride	5.523	117	111063	4.714	ug/L	100
33) Benzene	5.771	78	383660	5.000	ug/L	100
34) Trichloroethene	6.539	95	90190	5.028	ug/L	96
35) Methylcyclohexane	6.761	83	153499	5.675	ug/L	95
37) 1,2-Dichloropropane	6.787	63	107837	5.037	ug/L	100
38) Bromodichloromethane	7.102	83	122368	4.696	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	143346	5.286	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	888108	56.764	ug/L	98
42) Toluene	7.967	91	385054	5.234	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	125216	5.240	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	76476	5.043	ug/L	98
47) Tetrachloroethene	8.552	164	63985	5.110	ug/L	99
48) 2-Hexanone	8.684	43	671783	56.963	ug/L	98
49) Dibromochloromethane	8.806	129	81683	5.087	ug/L	100
50) 1,2-Dibromoethane	8.922	107	71167	5.163	ug/L	96
51) Chlorobenzene	9.443	112	238580	5.079	ug/L	97
52) Ethylbenzene	9.568	91	401143	5.269	ug/L	100
53) m,p-Xylene	9.690	106	154740	5.512	ug/L	95
54) o-Xylene	10.099	106	150509	5.593	ug/L	100
55) Styrene	10.112	104	257614	5.503	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	106748	5.092	ug/L	99
59) Bromoform	10.288	173	47129	4.843	ug/L	100
60) Isopropylbenzene	10.481	105	391158	5.449	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	76530	4.818	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	322550	5.448	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	330314	5.542	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	180440	5.066	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	183123	4.972	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	174129	4.948	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	16993	4.726	ug/L	91
69) 1,3,5-Trichlorobenzene	13.218	180	131827	5.027	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	113510	5.144	ug/L	98
71) Naphthalene	14.082	128	241215	5.402	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	112951	5.107	ug/L	98

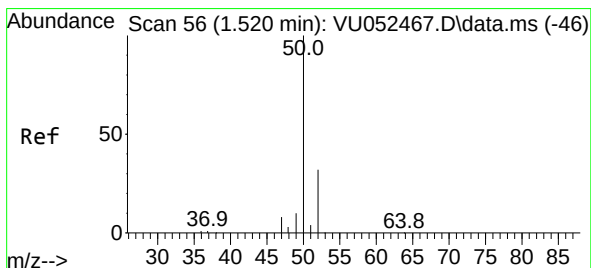
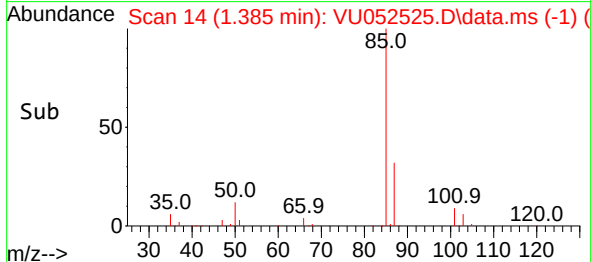
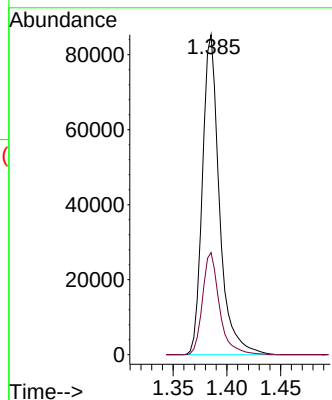
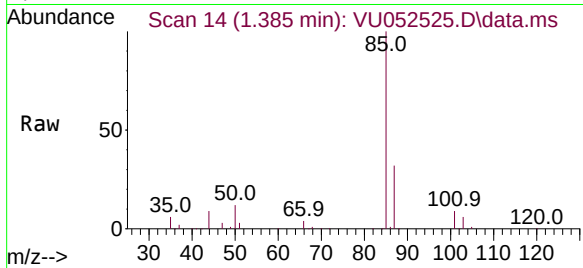
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.587 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

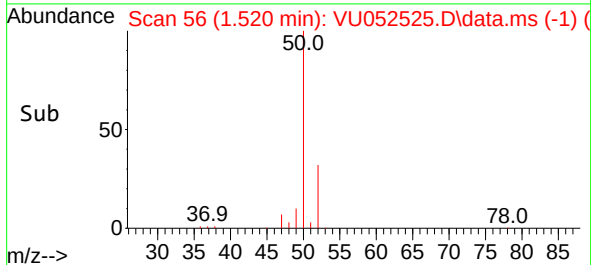
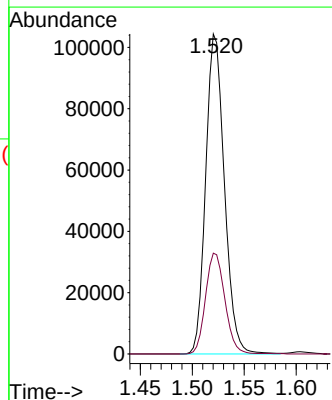
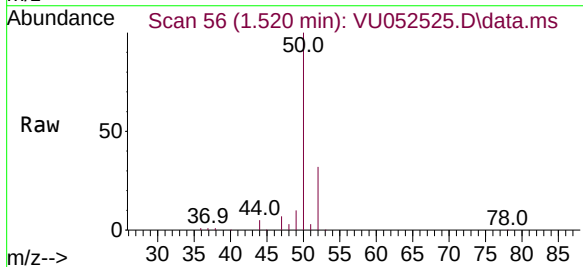
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

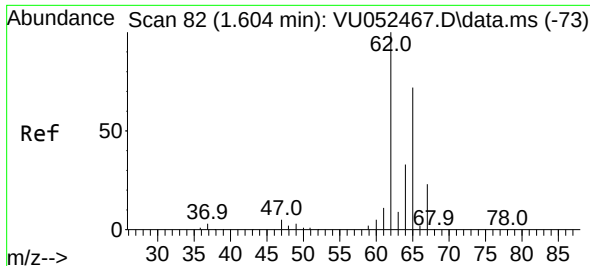
Tgt Ion: 85 Resp: 93701
Ion Ratio Lower Upper
85 100
87 31.8 25.6 38.4



#3
Chloromethane
Concen: 4.428 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 50 Resp: 130571
Ion Ratio Lower Upper
50 100
52 31.5 23.0 42.6

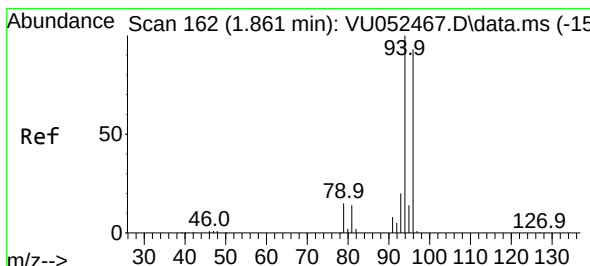
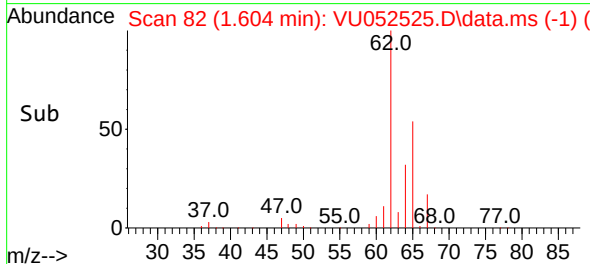
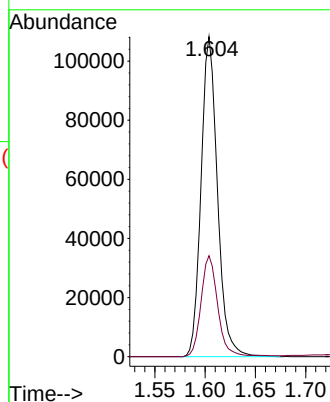
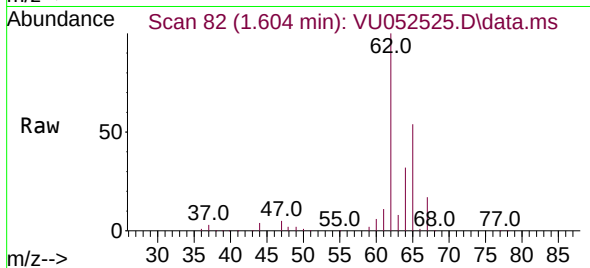




#5
 Vinyl chloride
 Concen: 4.594 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052525.D
 Acq: 23 Dec 2022 09:58

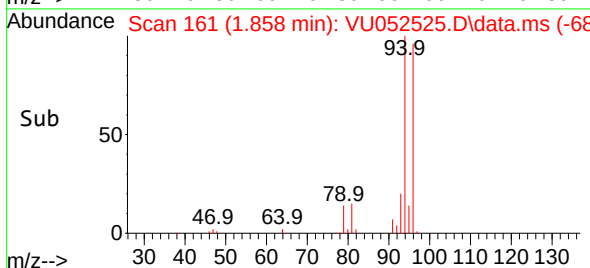
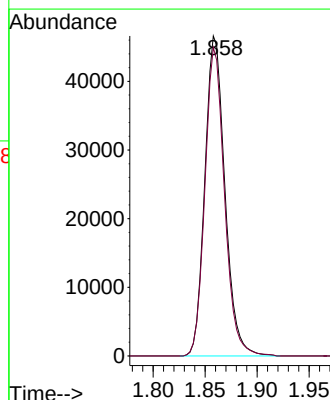
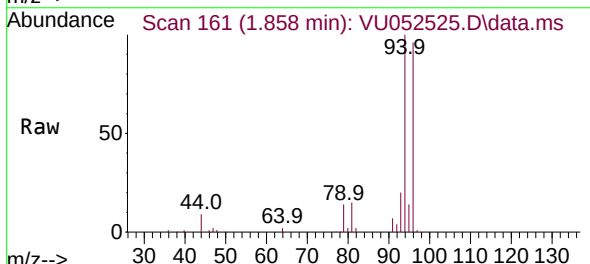
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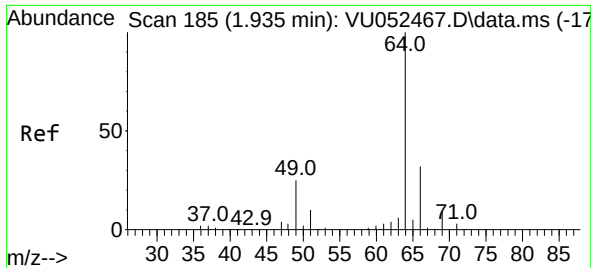
Tgt Ion: 62 Resp: 122799
 Ion Ratio Lower Upper
 62 100
 64 31.6 24.4 45.4



#6
 Bromomethane
 Concen: 4.098 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU052525.D
 Acq: 23 Dec 2022 09:58

Tgt Ion: 94 Resp: 62449
 Ion Ratio Lower Upper
 94 100
 96 96.3 65.0 120.8

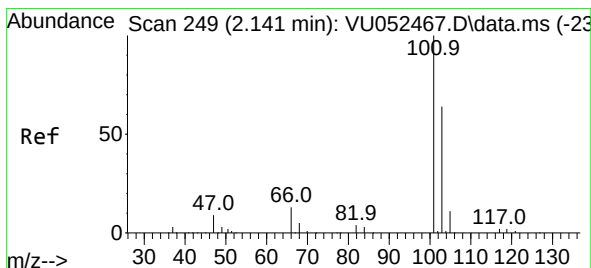
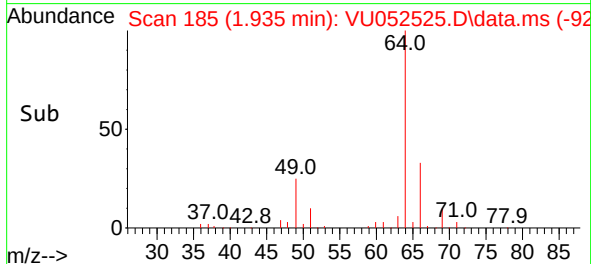
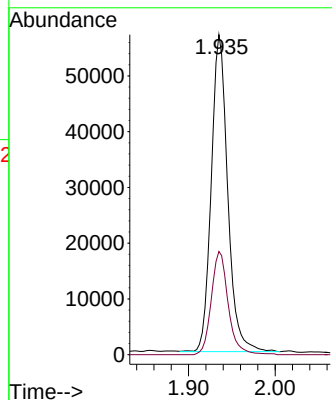
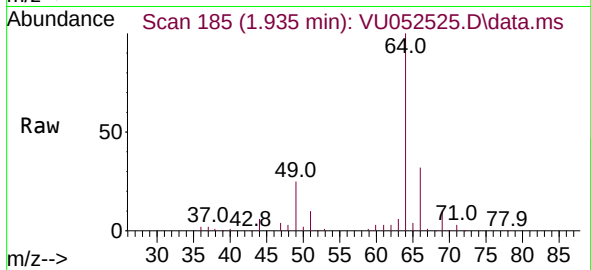




#8
Chloroethane
Concen: 4.101 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

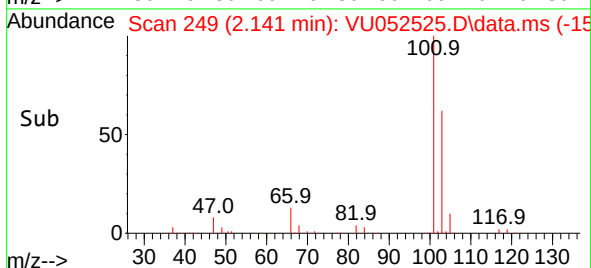
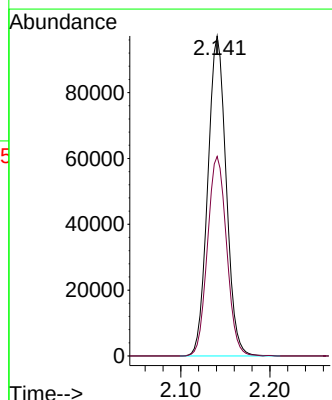
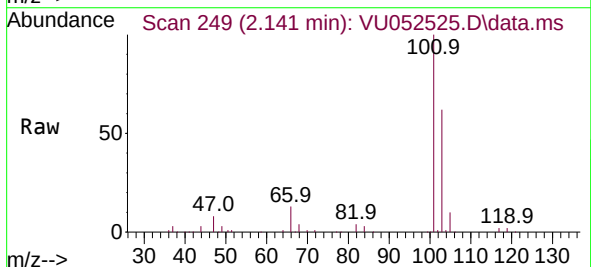
Instrument :
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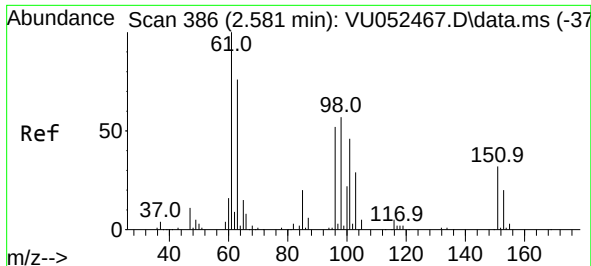
Tgt Ion: 64 Resp: 75076
Ion Ratio Lower Upper
64 100
66 32.2 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.603 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 101 Resp: 139112
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0

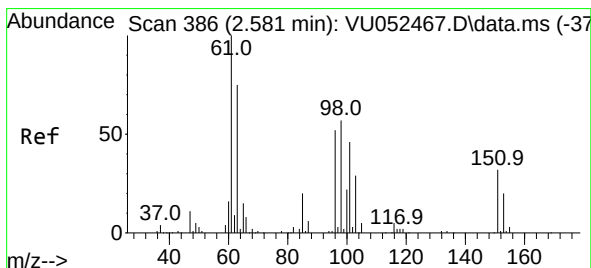
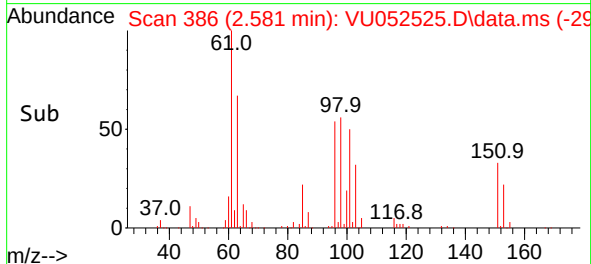
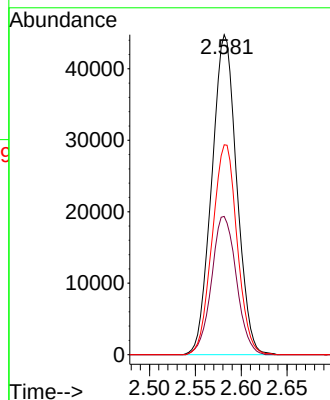
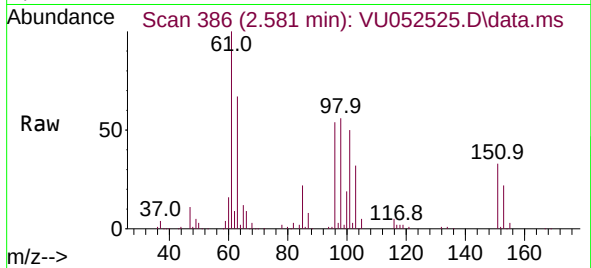




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.719 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052525.D
 Acq: 23 Dec 2022 09:58

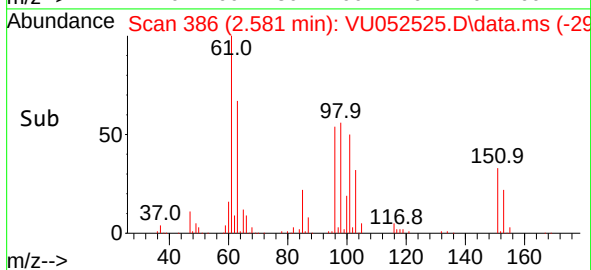
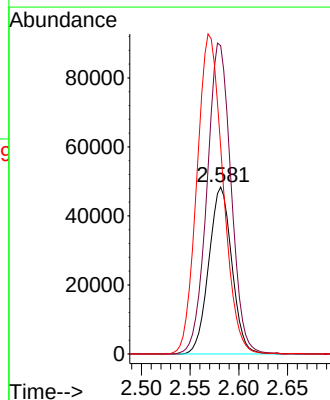
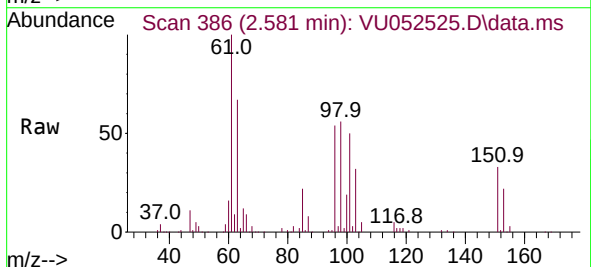
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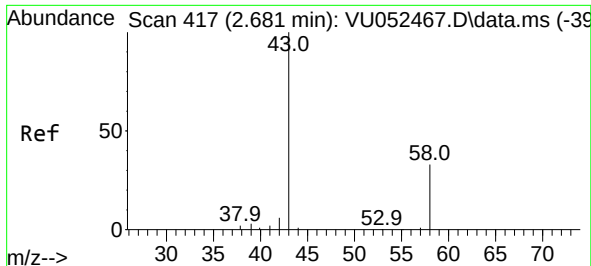
Tgt Ion: 101 Resp: 84773
 Ion Ratio Lower Upper
 101 100
 85 43.1 35.8 53.6
 151 65.5 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.624 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052525.D
 Acq: 23 Dec 2022 09:58

Tgt Ion: 96 Resp: 79507
 Ion Ratio Lower Upper
 96 100
 61 184.8 135.4 251.4
 63 124.2 95.4 177.2





#13

Acetone

Concen: 47.760 ug/L

RT: 2.675 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

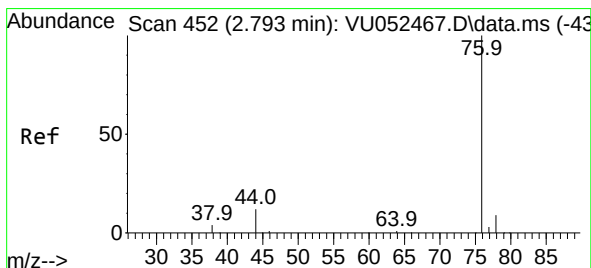
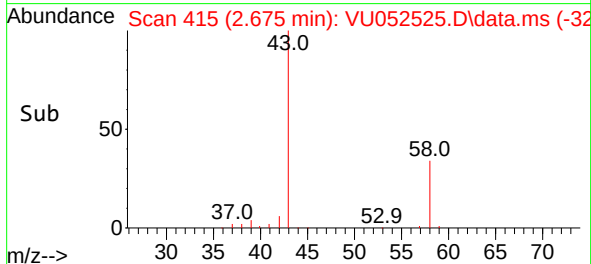
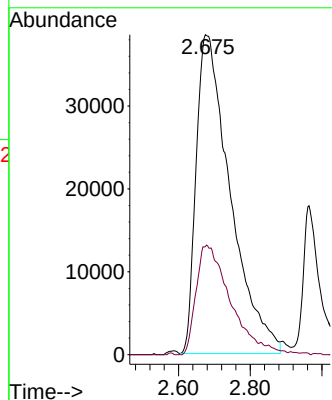
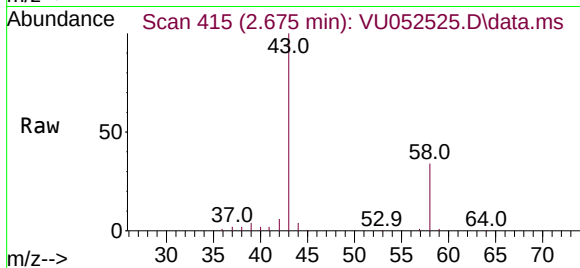
VSTD005116

Tgt Ion: 43 Resp: 253955

Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.4



#14

Carbon disulfide

Concen: 4.494 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052525.D

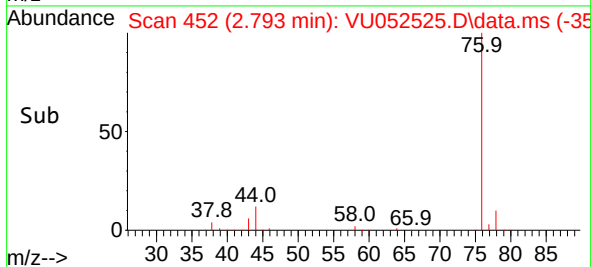
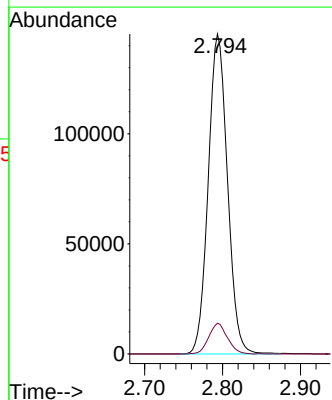
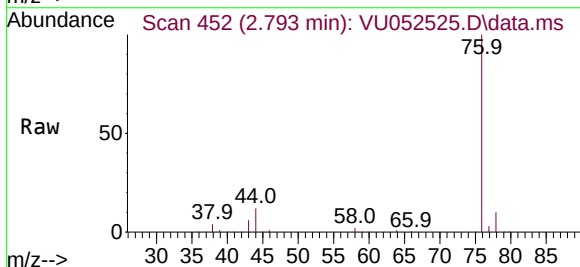
Acq: 23 Dec 2022 09:58

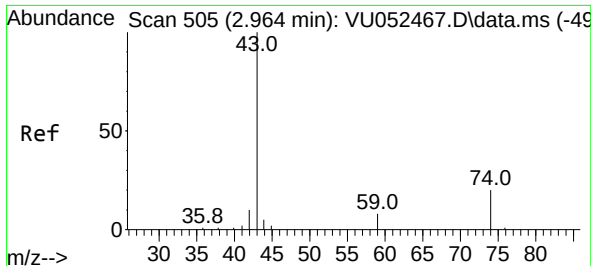
Tgt Ion: 76 Resp: 248960

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

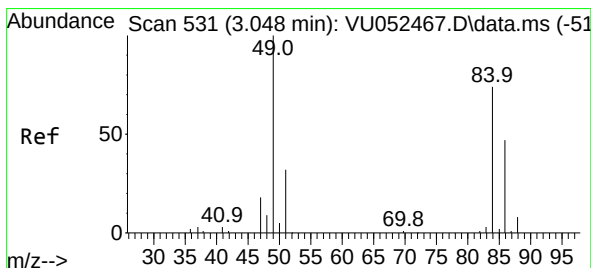
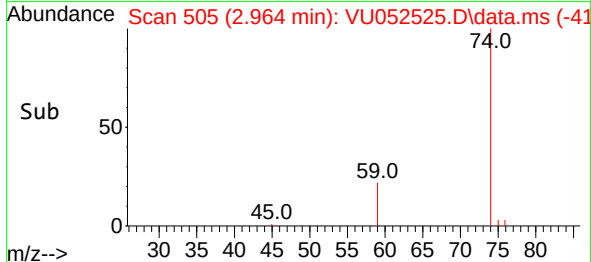
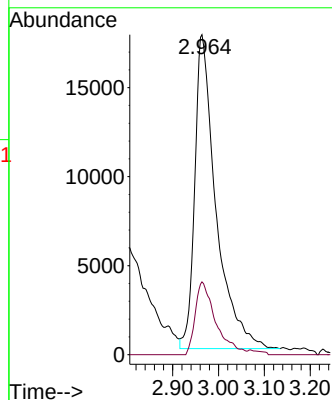
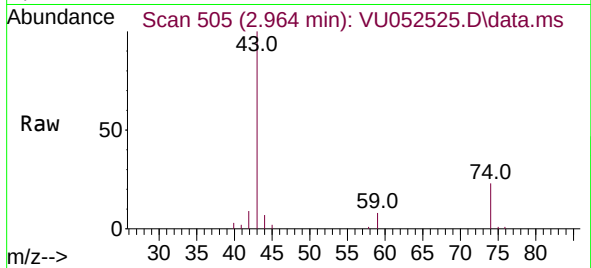




#15
Methyl Acetate
Concen: 4.842 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

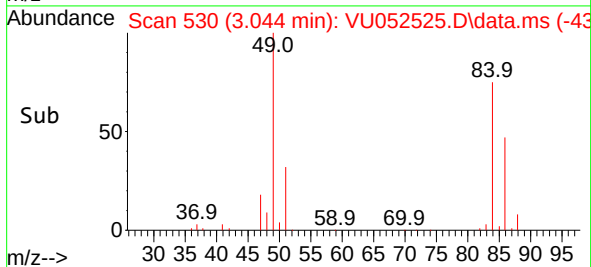
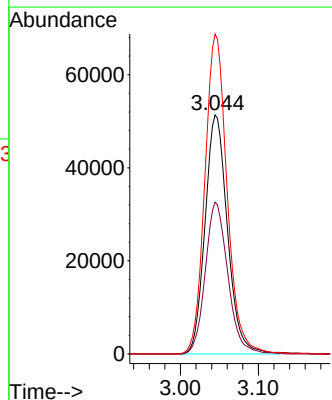
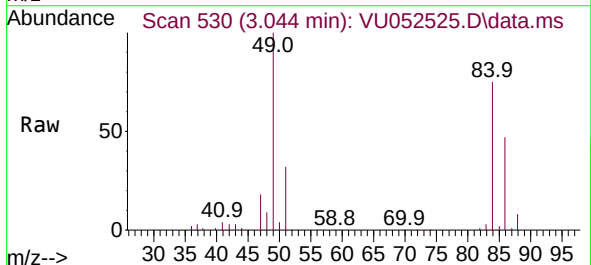
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

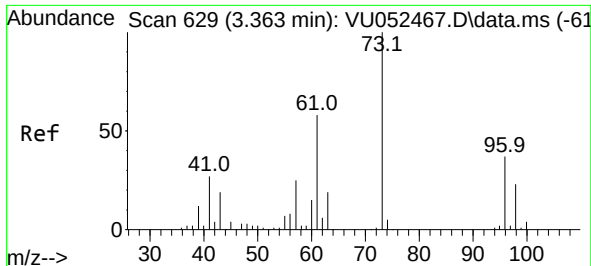
Tgt Ion: 43 Resp: 56715
Ion Ratio Lower Upper
43 100
74 22.3 16.9 25.3



#16
Methylene chloride
Concen: 4.238 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 84 Resp: 102949
Ion Ratio Lower Upper
84 100
86 63.5 44.7 83.1
49 133.8 93.3 173.3

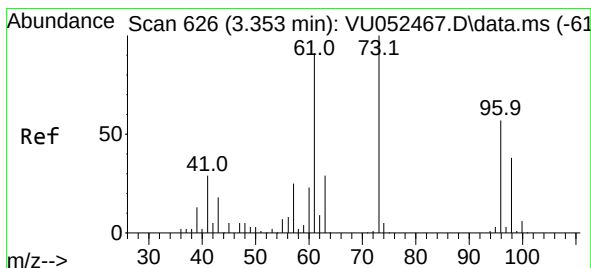
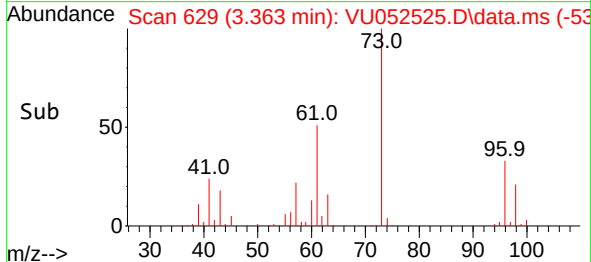
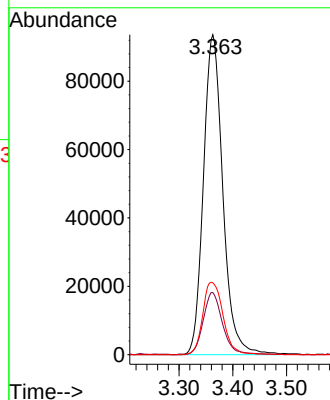
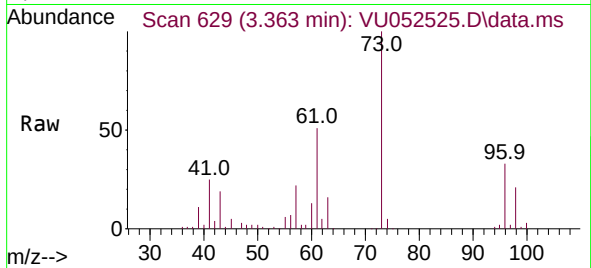




#17
Methyl tert-butyl Ether
Concen: 5.121 ug/L
RT: 3.363 min Scan# 617
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

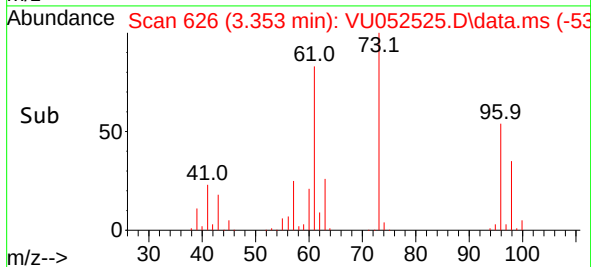
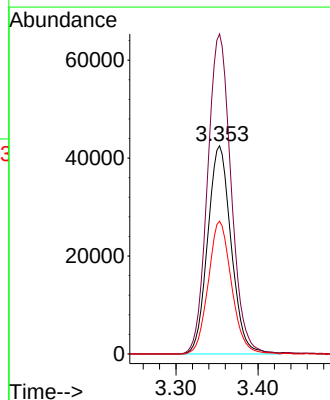
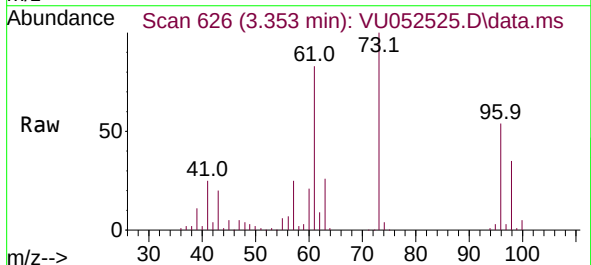
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

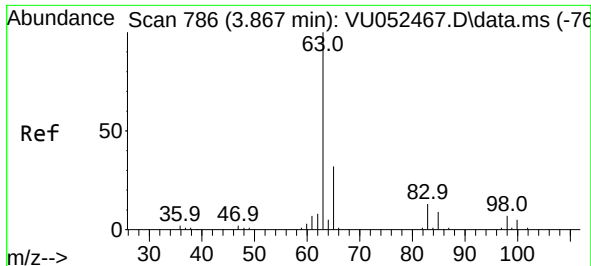
Tgt Ion: 73 Resp: 235050
Ion Ratio Lower Upper
73 100
43 19.0 16.1 24.1
57 23.6 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 4.777 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 96 Resp: 84656
Ion Ratio Lower Upper
96 100
61 153.7 108.3 201.1
98 63.8 44.0 81.6

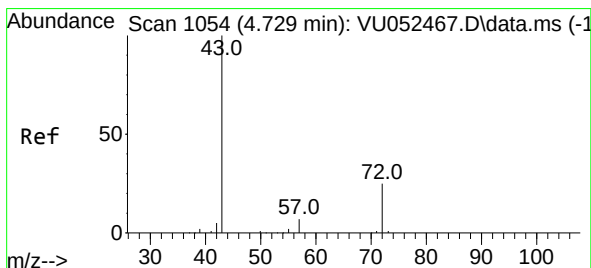
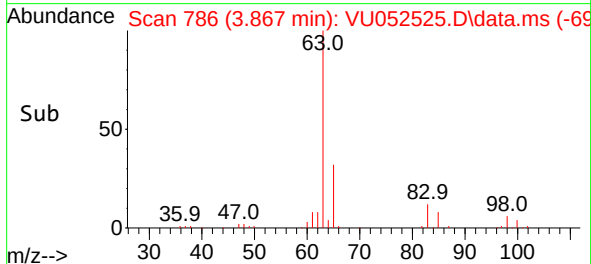
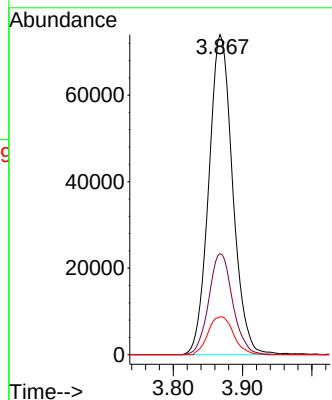
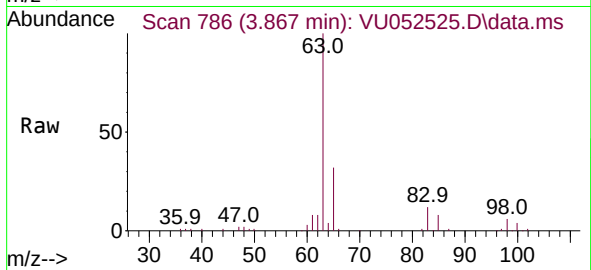




#19
1,1-Dichloroethane
Concen: 4.592 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

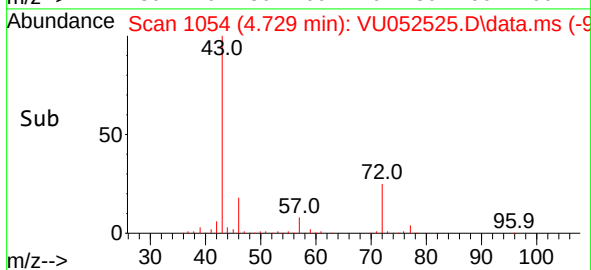
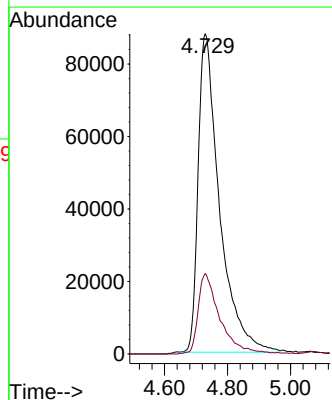
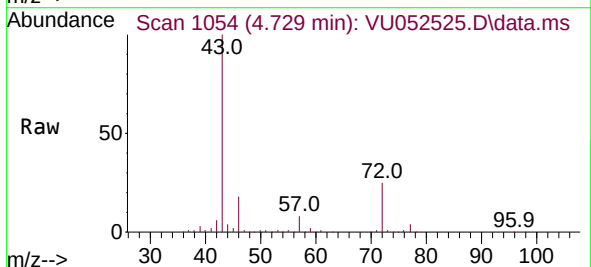
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

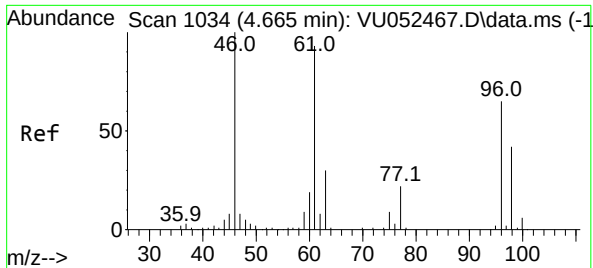
Tgt Ion: 63 Resp: 176959
Ion Ratio Lower Upper
63 100
65 31.6 22.0 40.8
83 11.8 9.0 16.8



#21
2-Butanone
Concen: 52.779 ug/L
RT: 4.729 min Scan# 1054
Delta R.T. -0.003 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 43 Resp: 413325
Ion Ratio Lower Upper
43 100
72 24.5 11.6 34.7

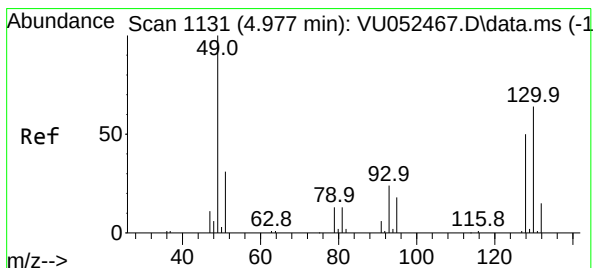
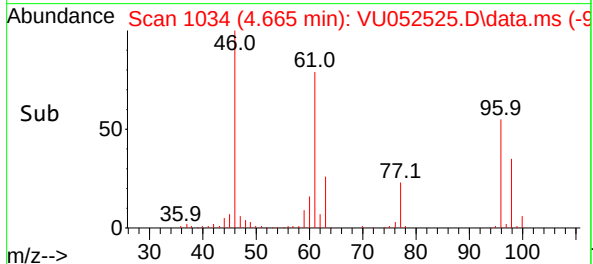
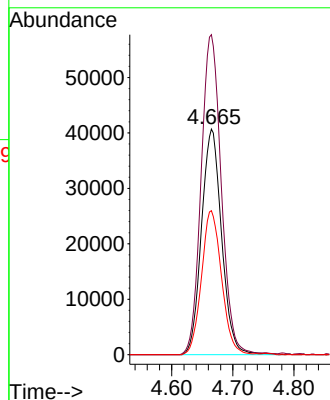
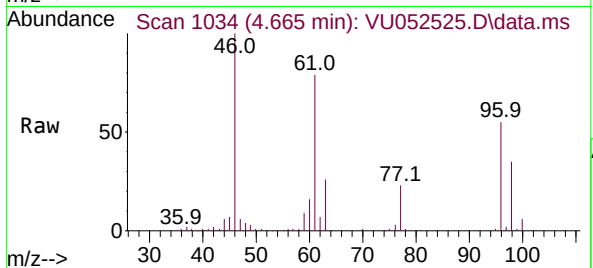




#22
 cis-1,2-Dichloroethene
 Concen: 4.792 ug/L
 RT: 4.665 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU052525.D
 Acq: 23 Dec 2022 09:58

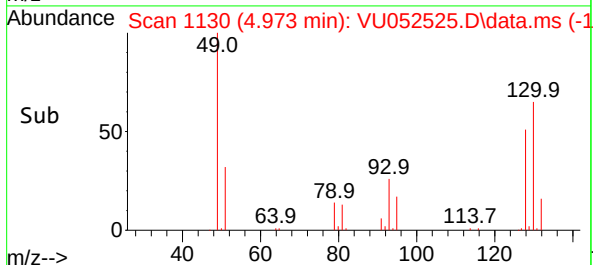
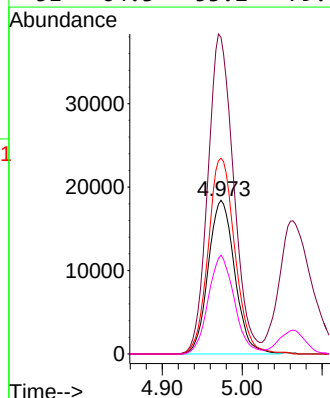
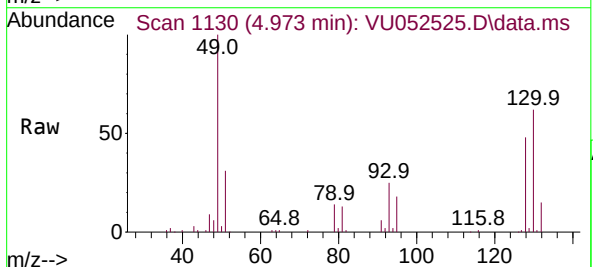
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005116

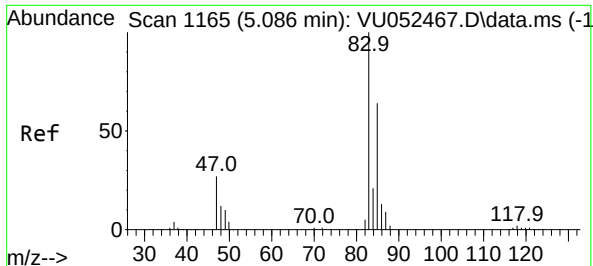
Tgt Ion: 96 Resp: 93192
 Ion Ratio Lower Upper
 96 100
 61 141.9 96.9 180.1
 98 63.8 44.7 83.1



#23
 Bromochloromethane
 Concen: 4.700 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU052525.D
 Acq: 23 Dec 2022 09:58

Tgt Ion:128 Resp: 42356
 Ion Ratio Lower Upper
 128 100
 49 206.2 143.3 266.1
 130 127.4 88.4 164.2
 51 64.3 53.2 79.8





#25

Chloroform

Concen: 4.477 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

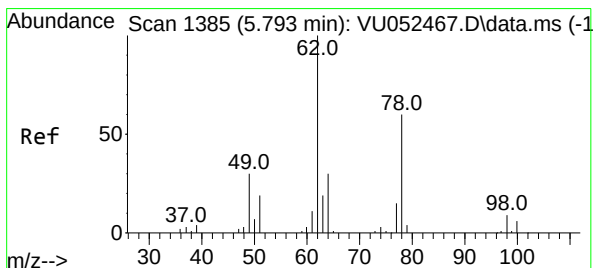
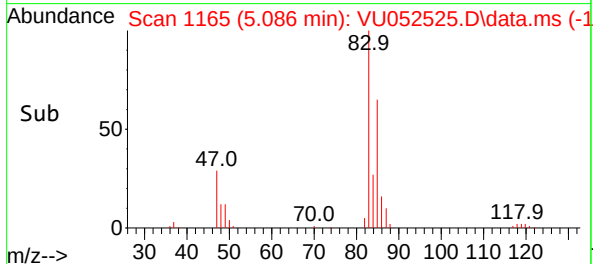
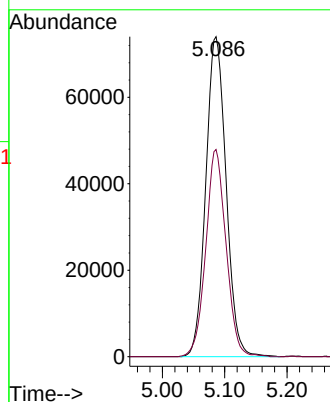
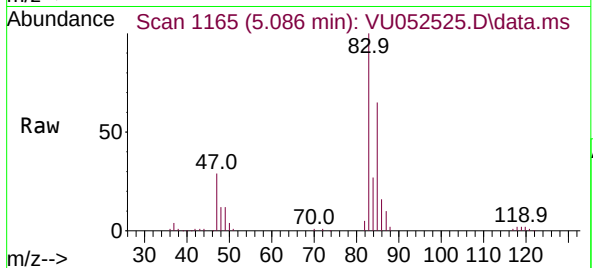
VSTD005116

Tgt Ion: 83 Resp: 167167

Ion Ratio Lower Upper

83 100

85 64.7 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.594 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU052525.D

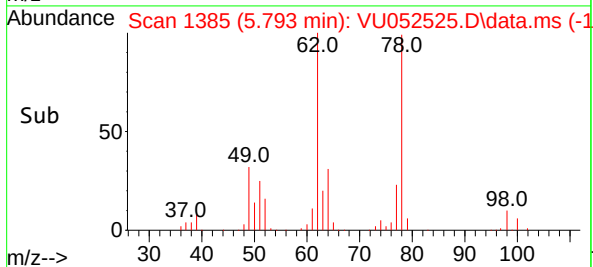
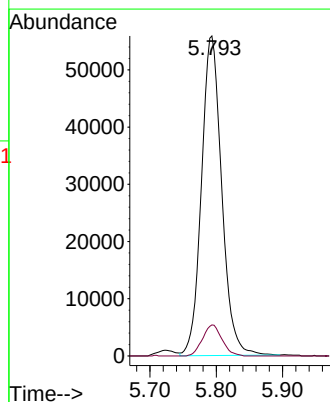
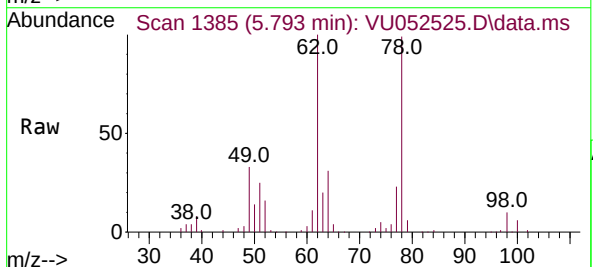
Acq: 23 Dec 2022 09:58

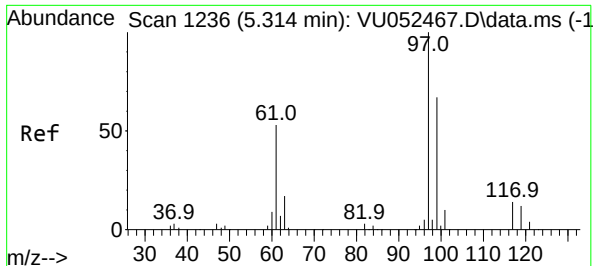
Tgt Ion: 62 Resp: 118517

Ion Ratio Lower Upper

62 100

98 9.7 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.940 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005116

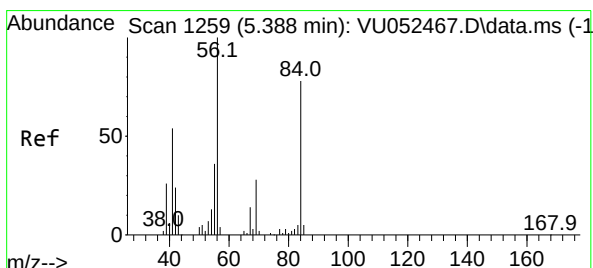
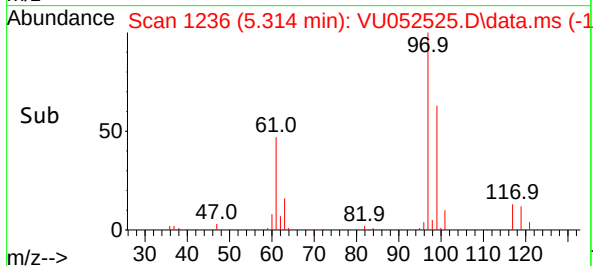
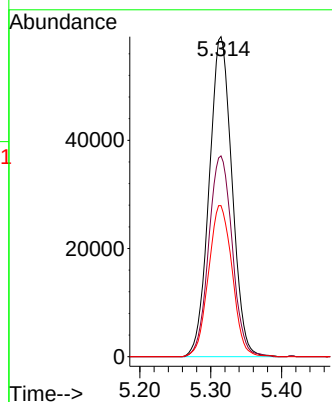
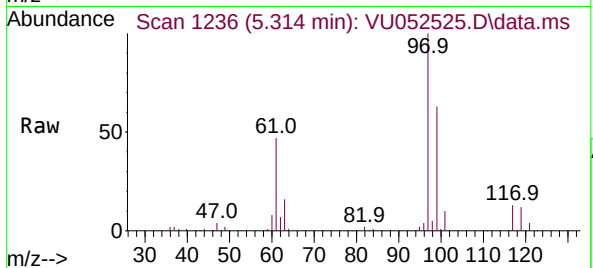
Tgt Ion: 97 Resp: 132435

Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.2

61 48.9 41.6 62.4



#30

Cyclohexane

Concen: 5.534 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

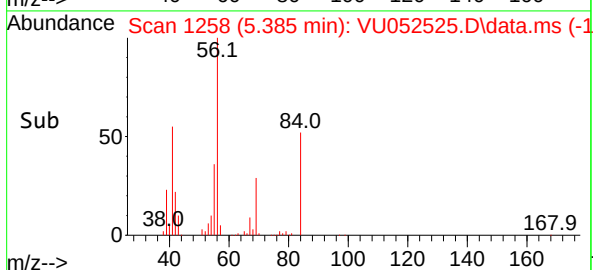
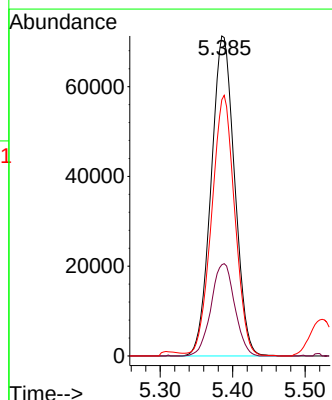
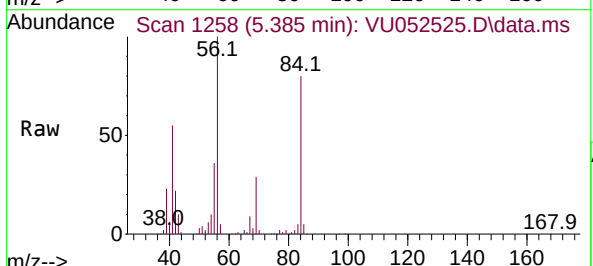
Tgt Ion: 56 Resp: 160319

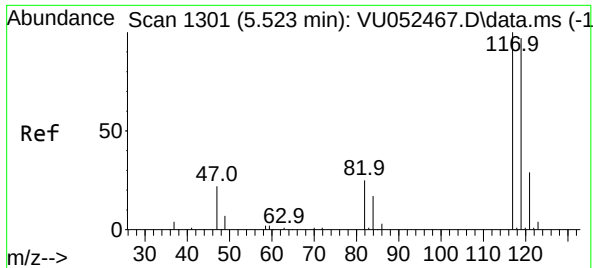
Ion Ratio Lower Upper

56 100

69 29.0 23.0 34.6

84 80.5 64.4 96.6

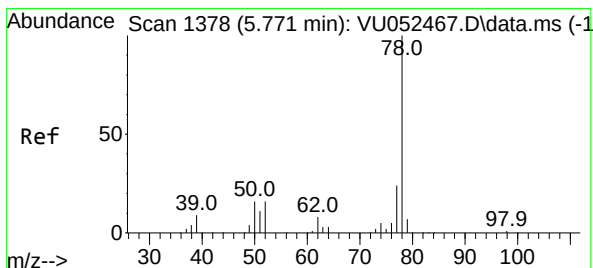
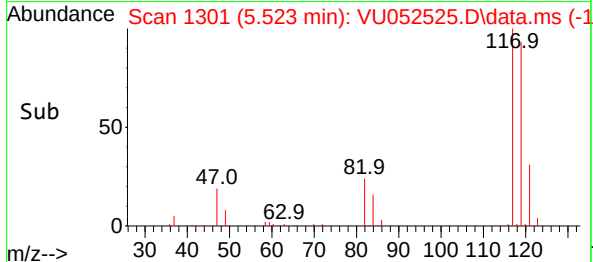
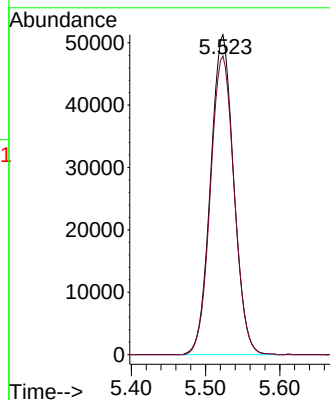
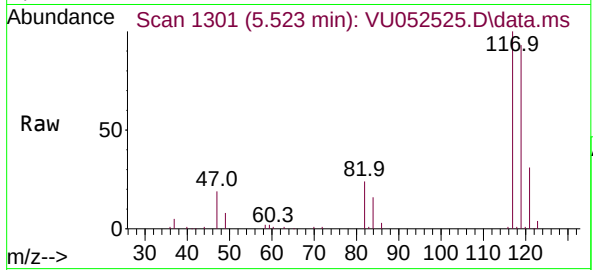




#31
Carbon tetrachloride
Concen: 4.714 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.003 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

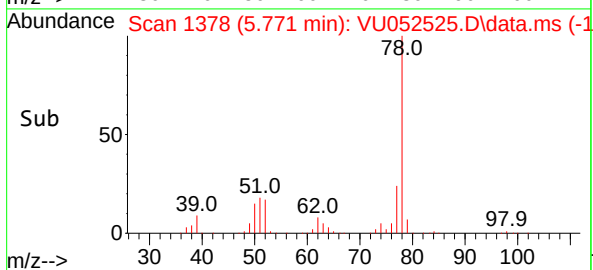
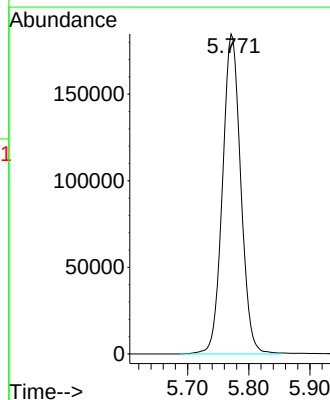
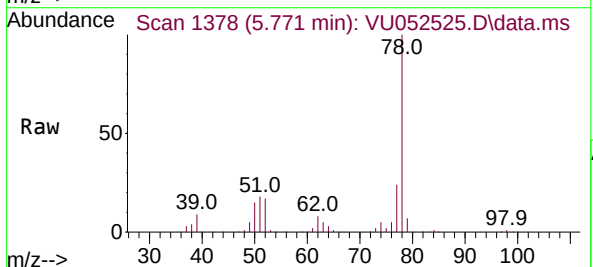
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

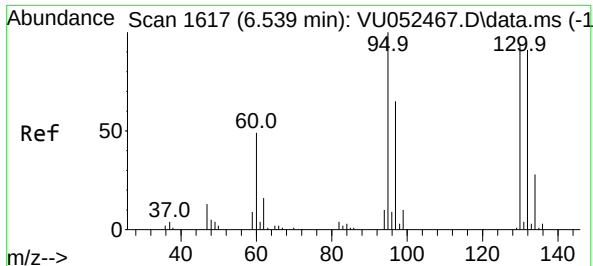
Tgt Ion:117 Resp: 111063
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5



#33
Benzene
Concen: 5.000 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 78 Resp: 383660

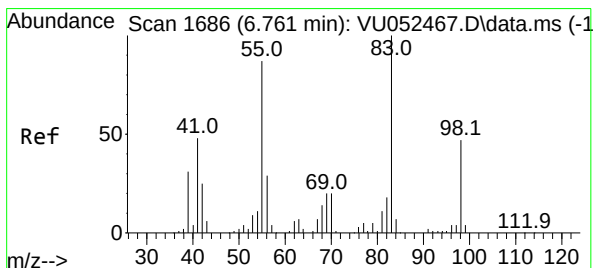
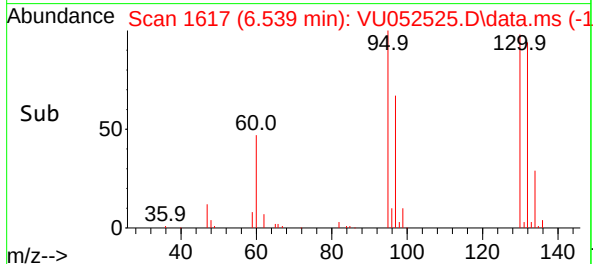
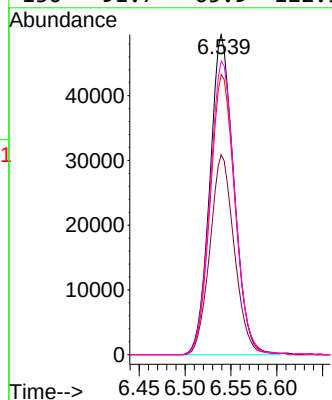
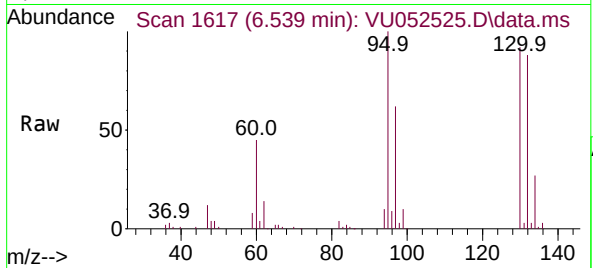




#34
Trichloroethene
Concen: 5.028 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

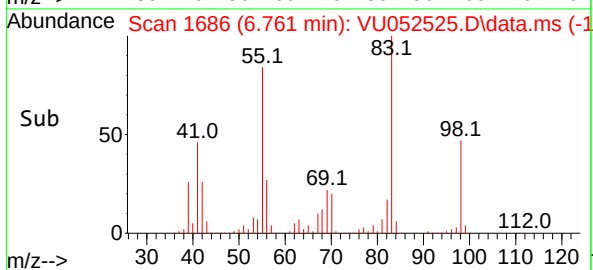
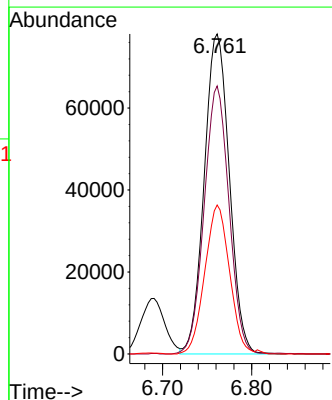
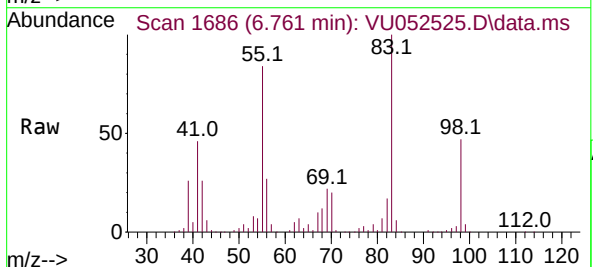
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

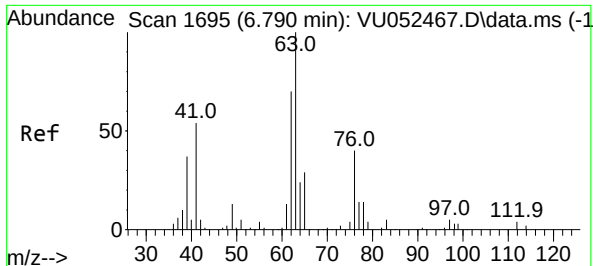
Tgt Ion: 95 Resp: 90190
Ion Ratio Lower Upper
95 100
97 62.5 46.3 86.1
132 87.6 63.9 118.7
130 91.7 65.9 122.5



#35
Methylcyclohexane
Concen: 5.675 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 83 Resp: 153499
Ion Ratio Lower Upper
83 100
55 82.7 71.4 107.0
98 45.7 36.5 54.7





#37

1,2-Dichloropropane

Concen: 5.037 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

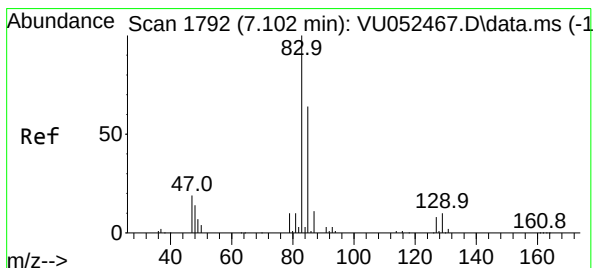
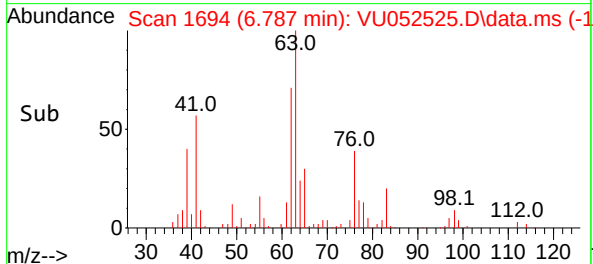
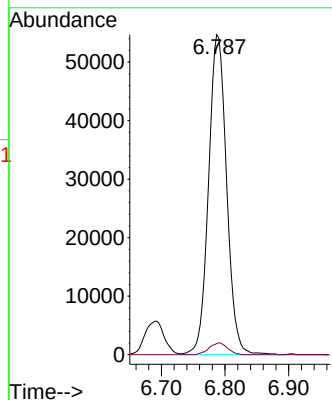
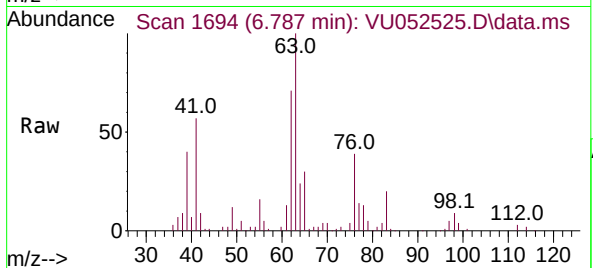
VSTD005116

Tgt Ion: 63 Resp: 107837

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 4.696 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

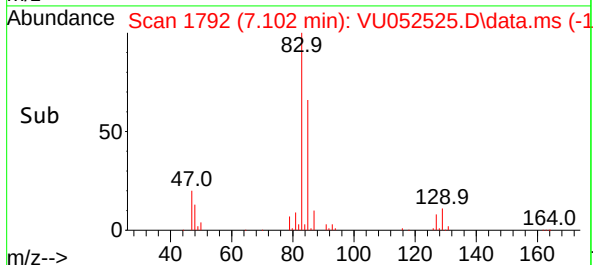
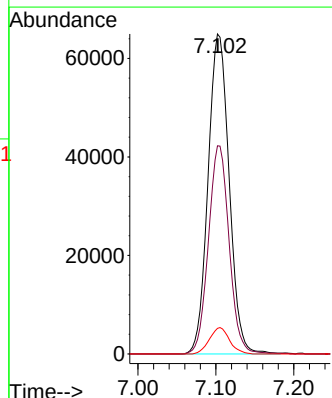
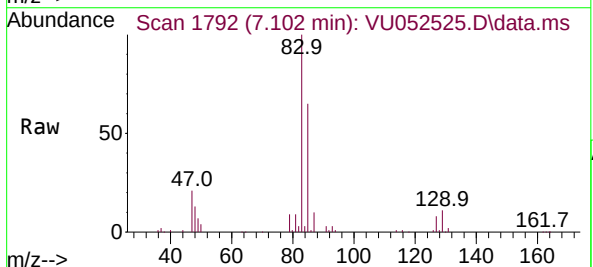
Tgt Ion: 83 Resp: 122368

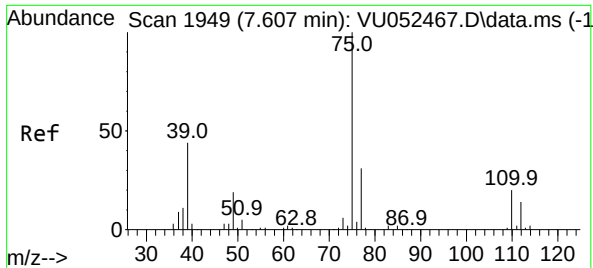
Ion Ratio Lower Upper

83 100

85 65.0 45.2 84.0

127 8.0 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.286 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

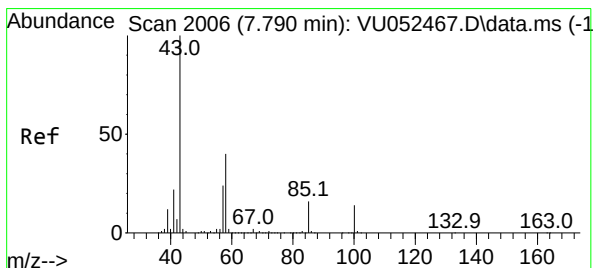
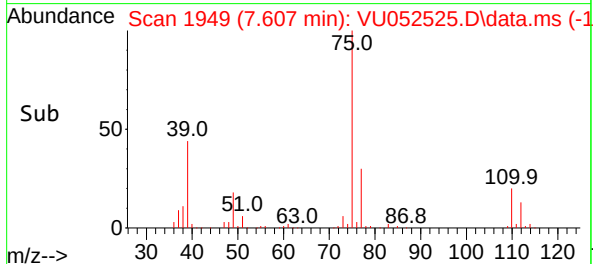
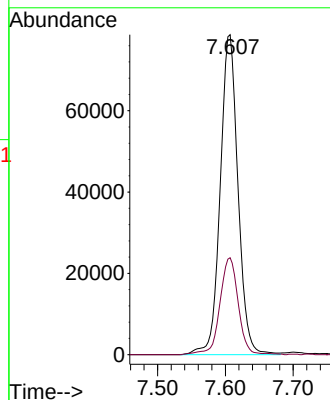
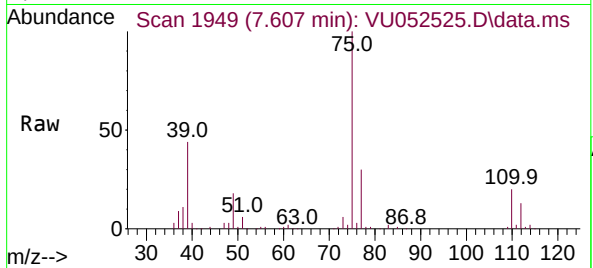
VSTD005116

Tgt Ion: 75 Resp: 143346

Ion Ratio Lower Upper

75 100

77 30.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 56.764 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

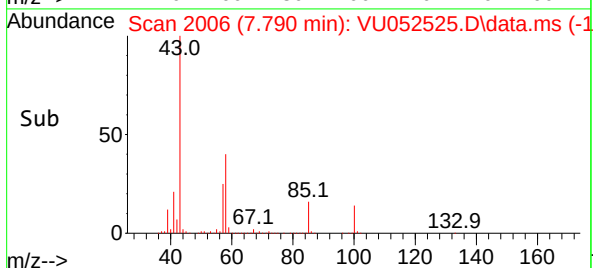
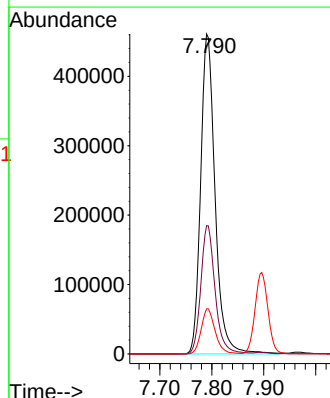
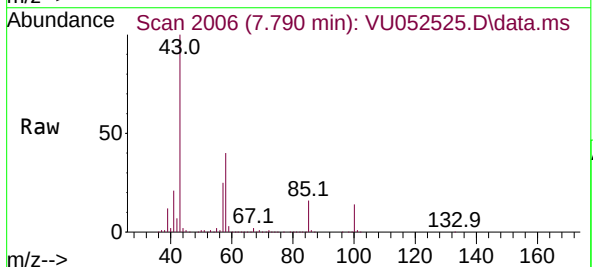
Tgt Ion: 43 Resp: 888108

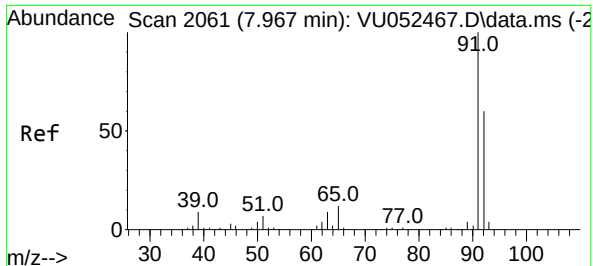
Ion Ratio Lower Upper

43 100

58 39.7 30.6 45.8

100 13.7 10.4 15.6





#42

Toluene

Concen: 5.234 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

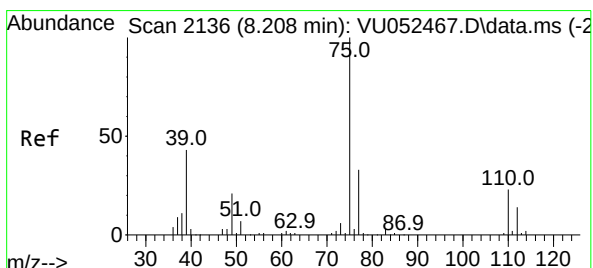
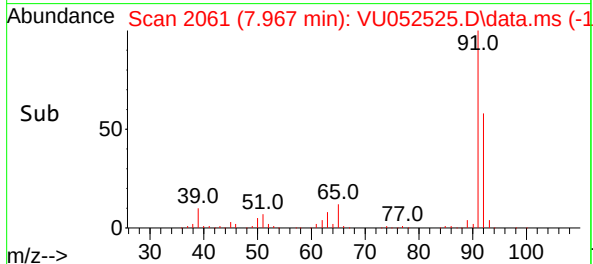
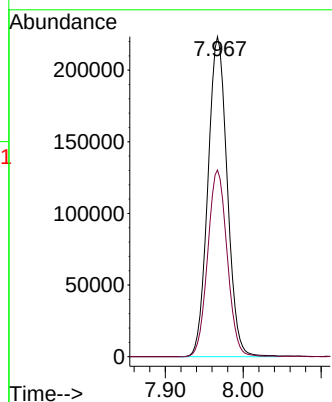
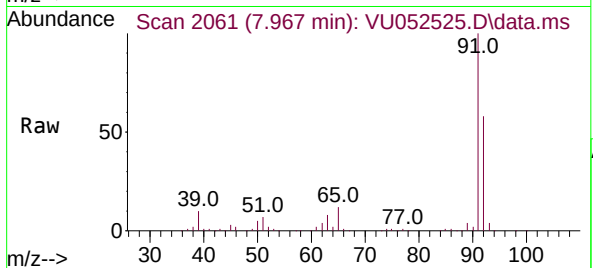
VSTD005116

Tgt Ion: 91 Resp: 385054

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.240 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052525.D

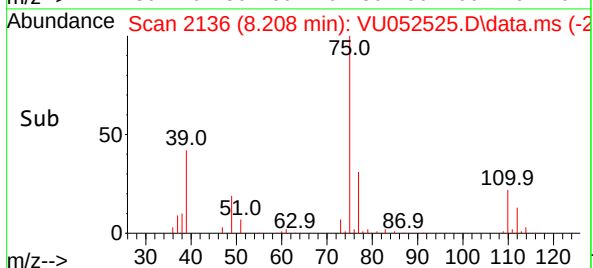
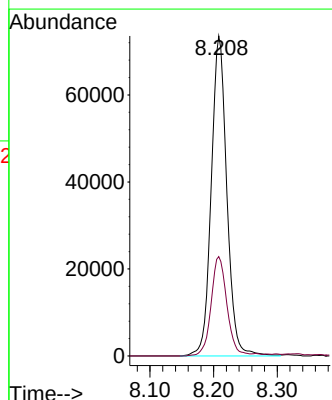
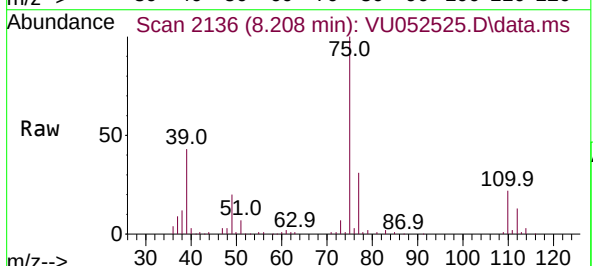
Acq: 23 Dec 2022 09:58

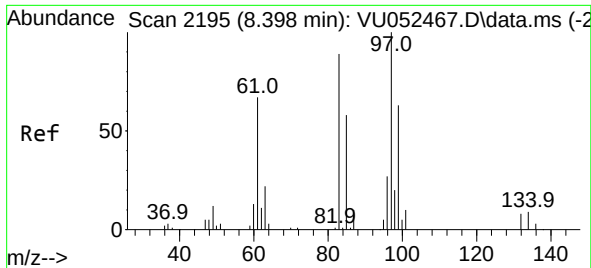
Tgt Ion: 75 Resp: 125216

Ion Ratio Lower Upper

75 100

77 31.0 22.8 42.4

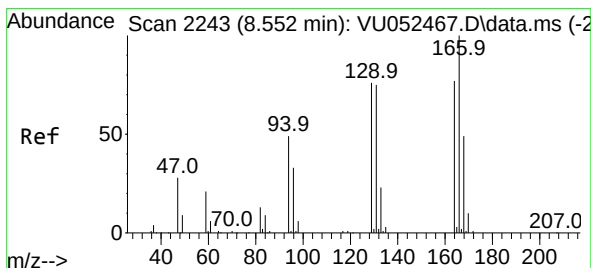
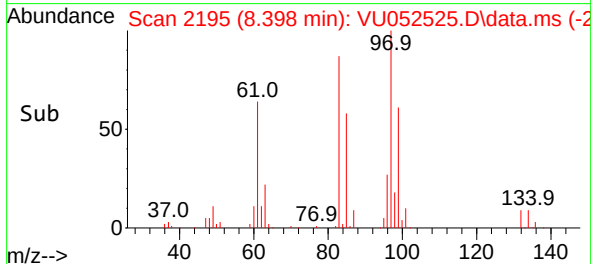
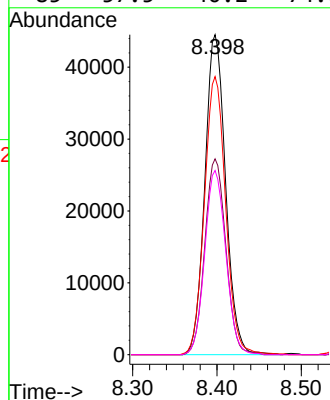
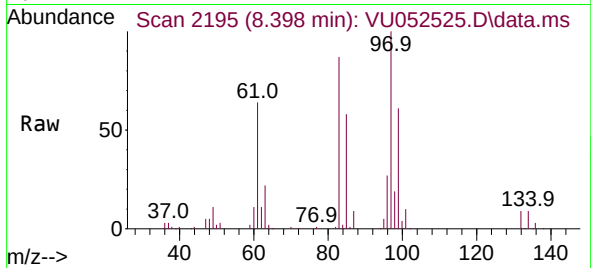




#45
1,1,2-Trichloroethane
Concen: 5.043 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

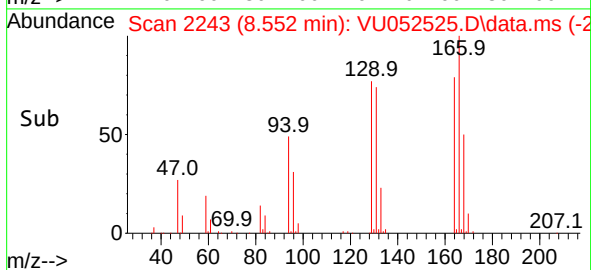
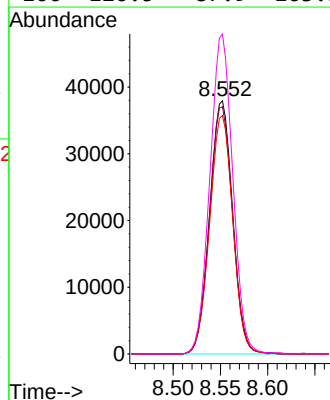
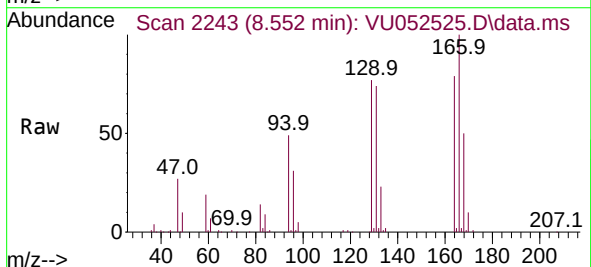
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

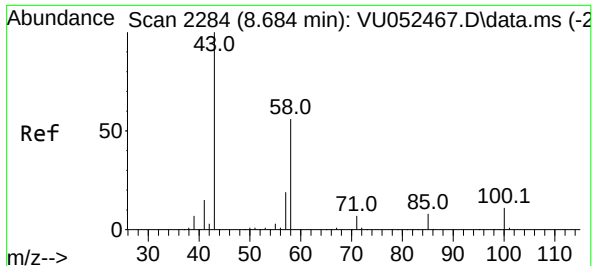
Tgt Ion:	97	Resp:	76476
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.0	78.0
83	86.9	63.2	117.4
85	57.5	40.2	74.6



#47
Tetrachloroethene
Concen: 5.110 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion:	164	Resp:	63985
Ion	Ratio	Lower	Upper
164	100		
129	97.7	68.1	126.5
131	94.2	66.5	123.5
166	126.5	87.9	163.3

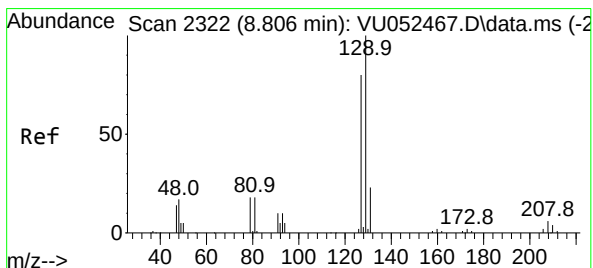
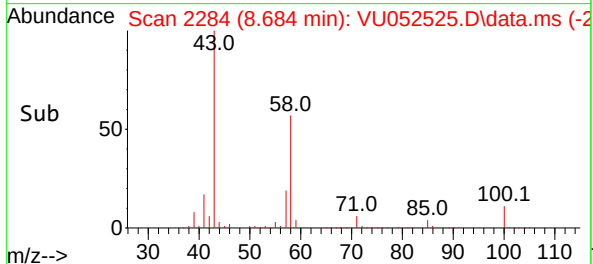
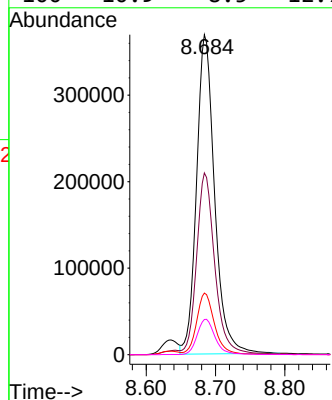
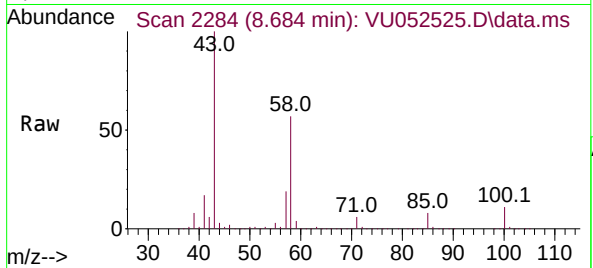




#48
2-Hexanone
Concen: 56.963 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

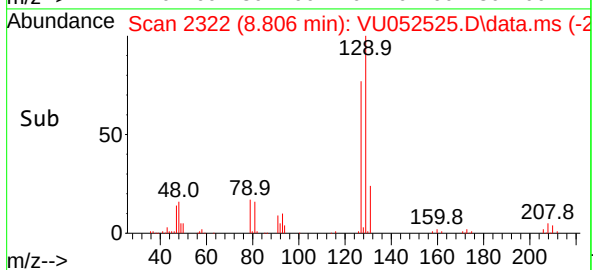
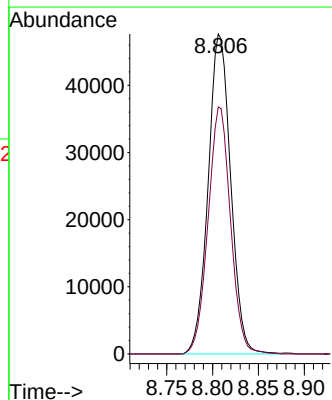
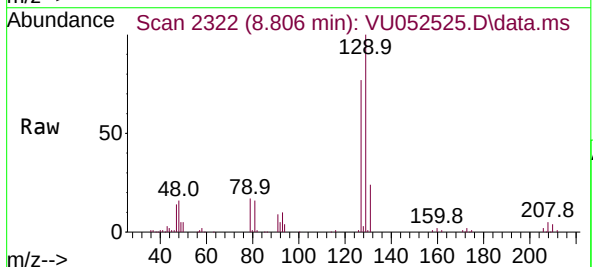
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

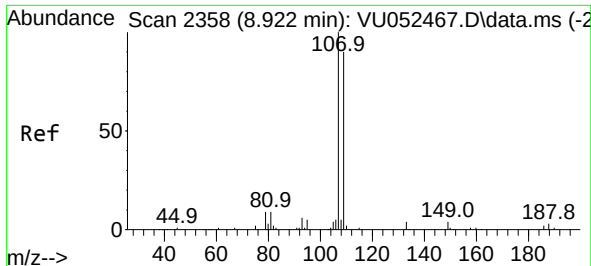
Tgt Ion: 43 Resp: 671783
Ion Ratio Lower Upper
43 100
58 57.3 44.1 66.1
57 18.9 14.6 21.8
100 10.9 8.5 12.7



#49
Dibromochloromethane
Concen: 5.087 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 129 Resp: 81683
Ion Ratio Lower Upper
129 100
127 77.2 54.2 100.6

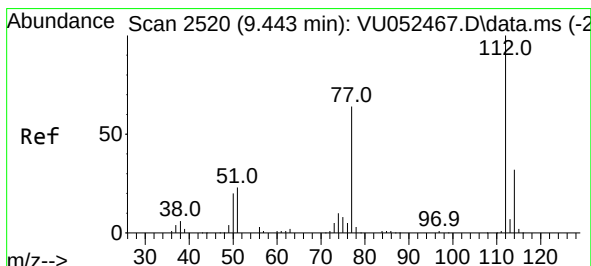
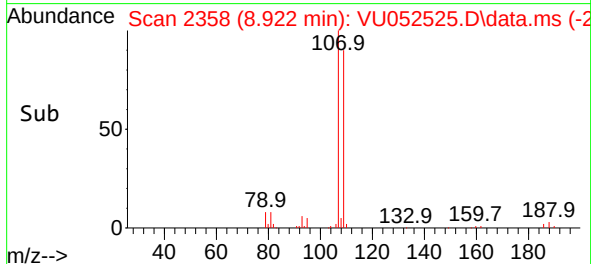
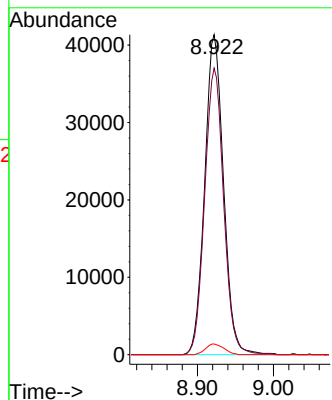
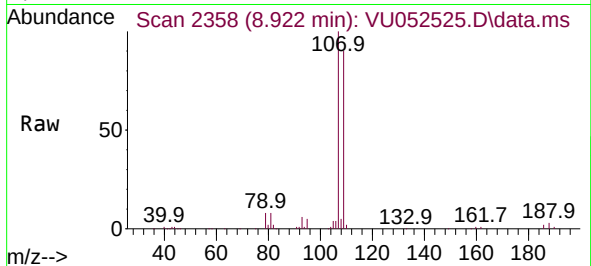




#50
1,2-Dibromoethane
Concen: 5.163 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

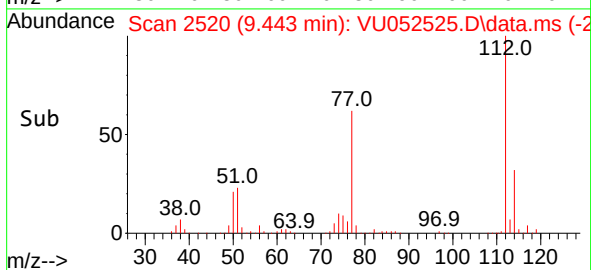
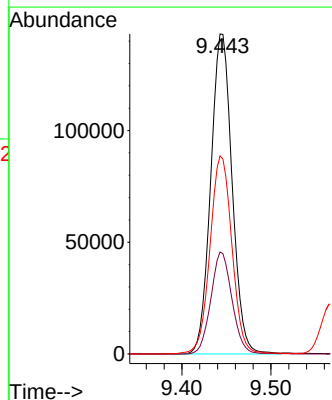
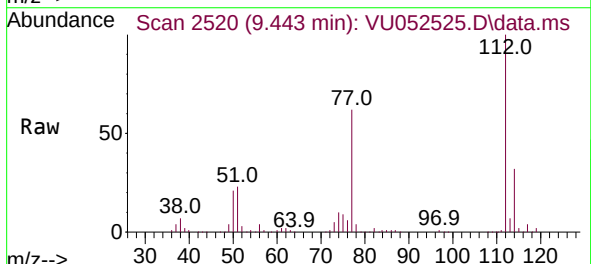
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

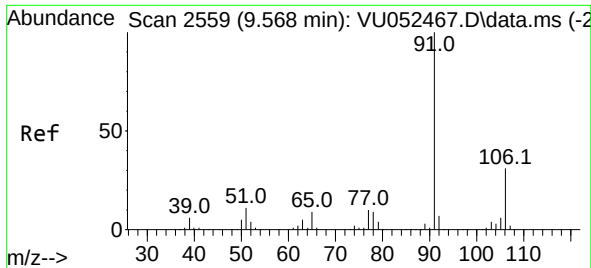
Tgt Ion:107 Resp: 71167
Ion Ratio Lower Upper
107 100
109 89.6 65.8 122.2
188 3.4 2.3 3.5



#51
Chlorobenzene
Concen: 5.079 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion:112 Resp: 238580
Ion Ratio Lower Upper
112 100
114 31.9 21.3 39.5
77 61.9 51.0 76.6

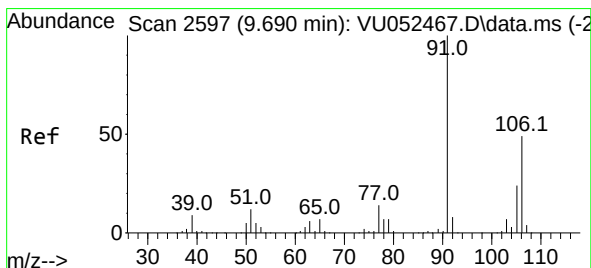
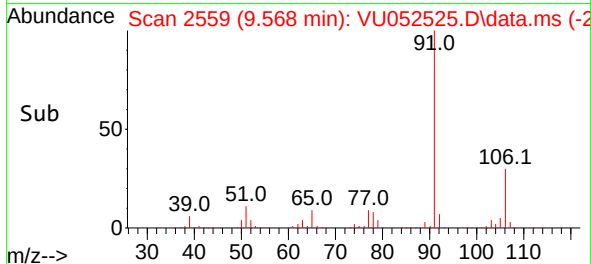
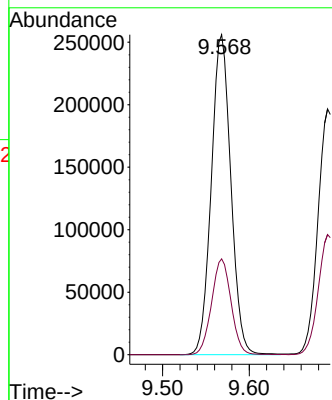
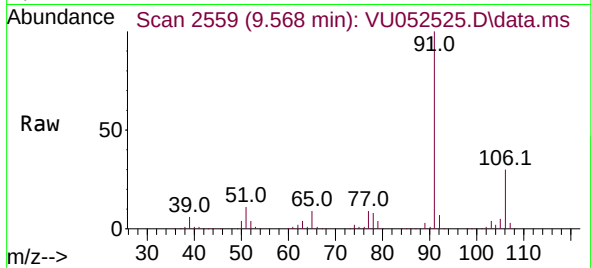




#52
Ethylbenzene
Concen: 5.269 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

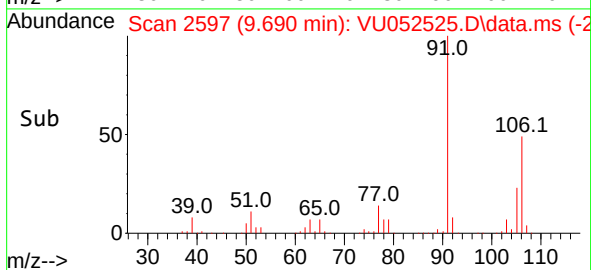
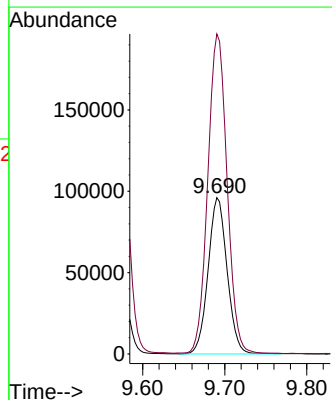
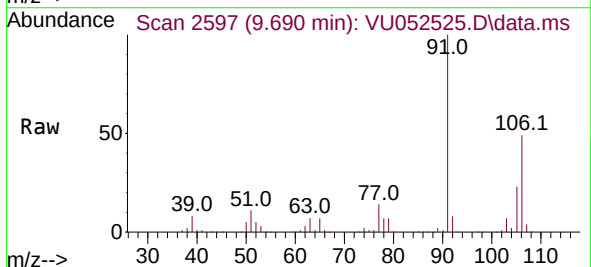
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

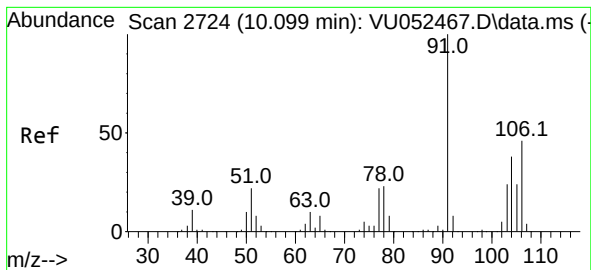
Tgt Ion: 91 Resp: 401143
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.7



#53
m,p-Xylene
Concen: 5.512 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 106 Resp: 154740
Ion Ratio Lower Upper
106 100
91 204.6 148.2 275.2





#54

o-Xylene

Concen: 5.593 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.003 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

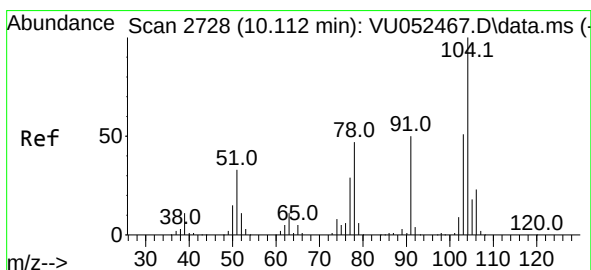
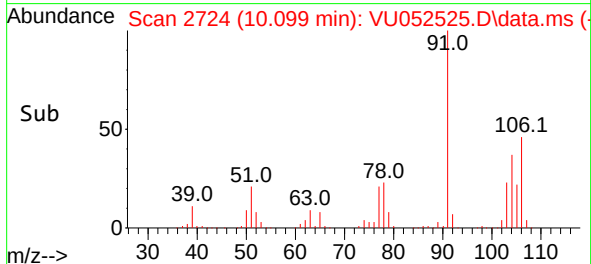
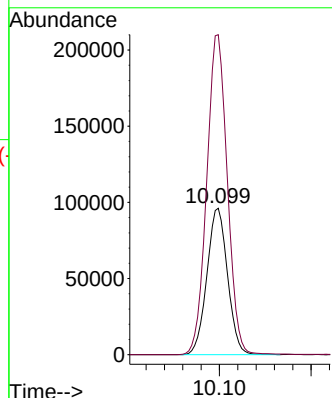
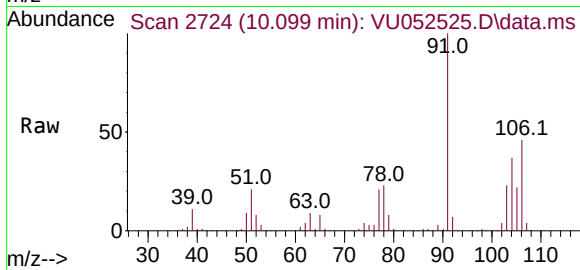
VSTD005116

Tgt Ion:106 Resp: 150509

Ion Ratio Lower Upper

106 100

91 218.6 153.2 284.4



#55

Styrene

Concen: 5.503 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052525.D

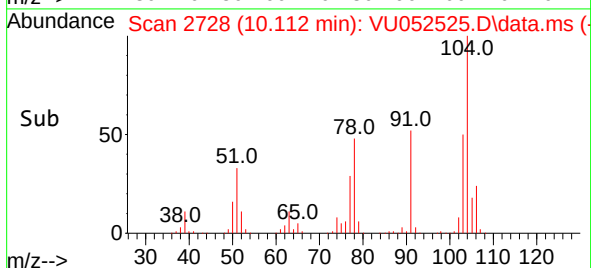
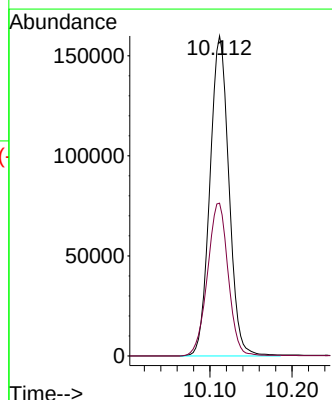
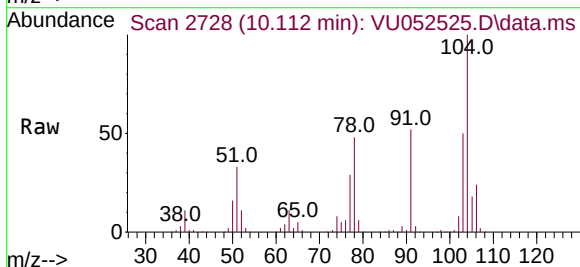
Acq: 23 Dec 2022 09:58

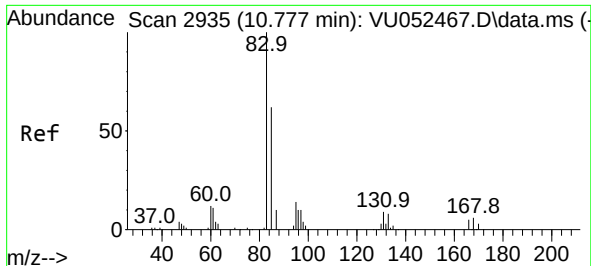
Tgt Ion:104 Resp: 257614

Ion Ratio Lower Upper

104 100

78 47.7 33.4 62.0

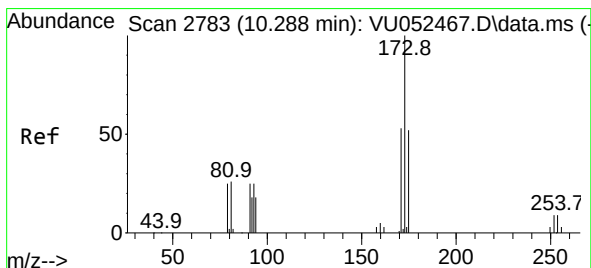
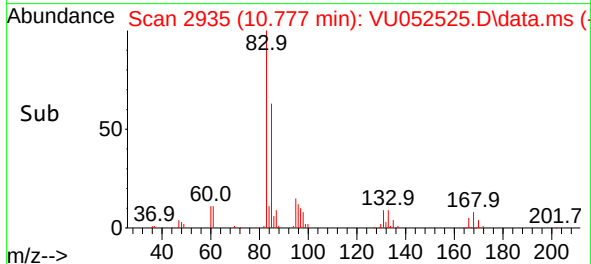
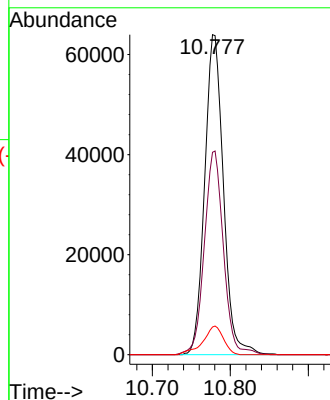
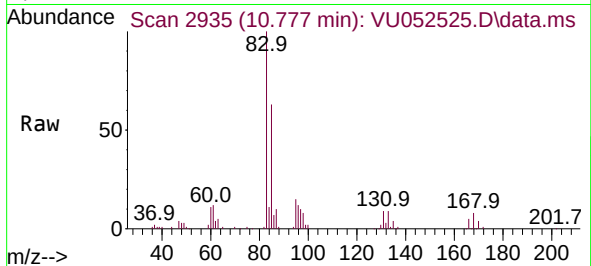




#57
1,1,2,2-Tetrachloroethane
Concen: 5.092 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

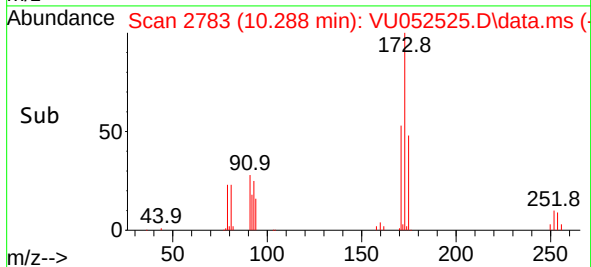
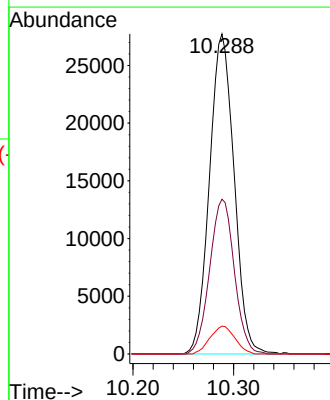
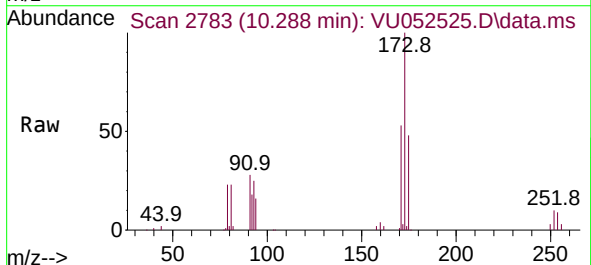
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

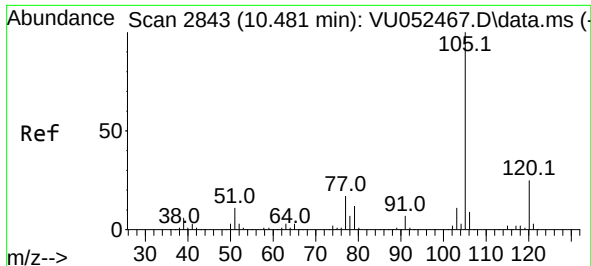
Tgt Ion: 83 Resp: 106748
Ion Ratio Lower Upper
83 100
85 63.2 44.7 83.1
131 8.7 6.0 9.0



#59
Bromoform
Concen: 4.843 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 173 Resp: 47129
Ion Ratio Lower Upper
173 100
175 48.2 38.9 58.3
254 8.8 7.0 10.6

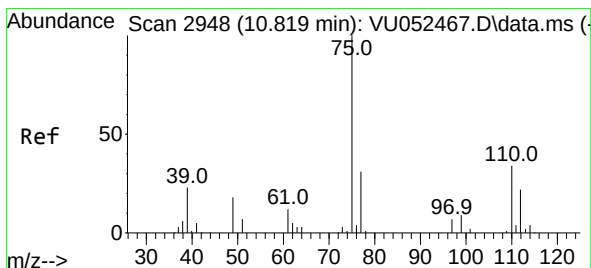
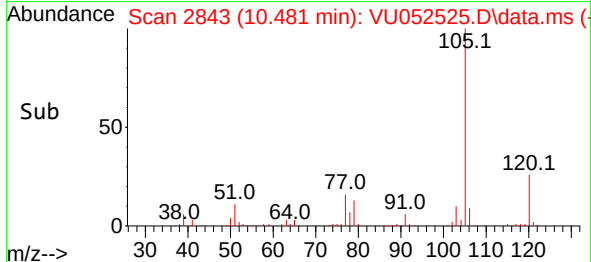
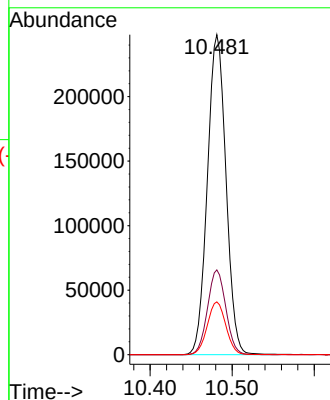
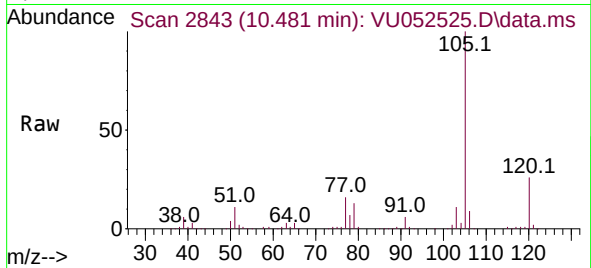




#60
Isopropylbenzene
Concen: 5.449 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

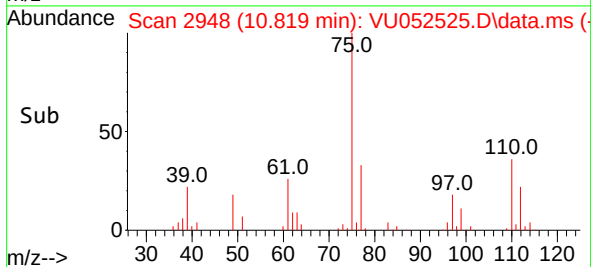
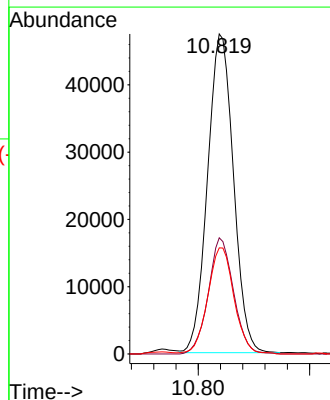
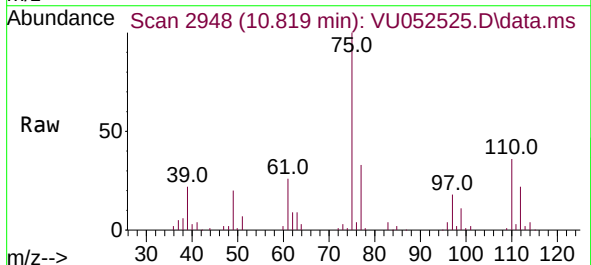
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

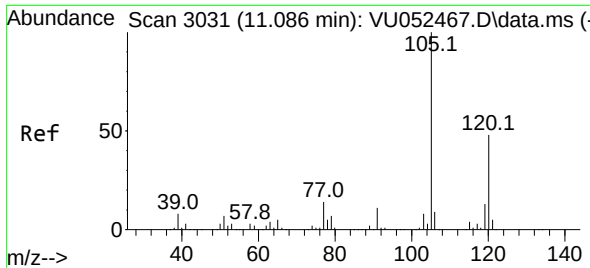
Tgt Ion:105 Resp: 391158
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.5 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 4.818 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion: 75 Resp: 76530
Ion Ratio Lower Upper
75 100
110 35.4 27.9 41.9
77 33.8 25.9 38.9

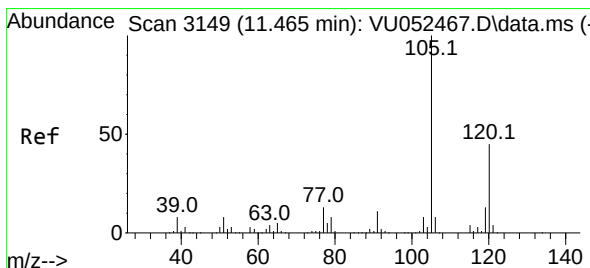
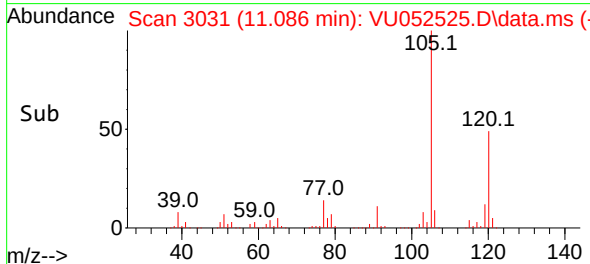
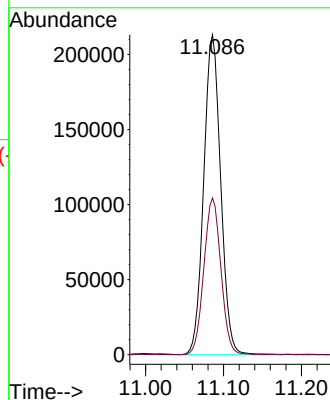
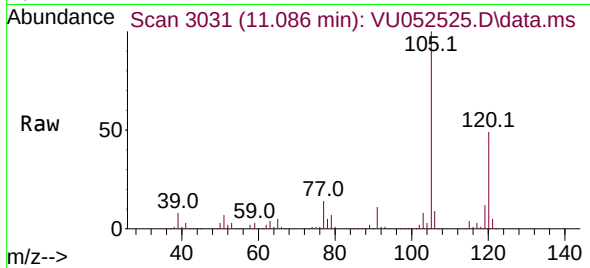




#62
1,3,5-Trimethylbenzene
Concen: 5.448 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

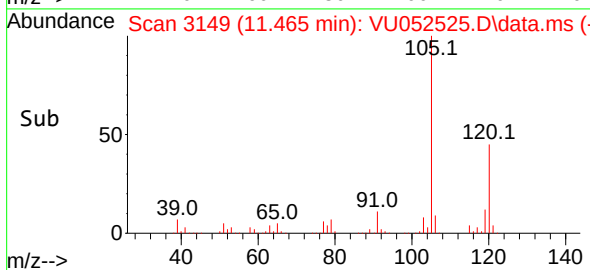
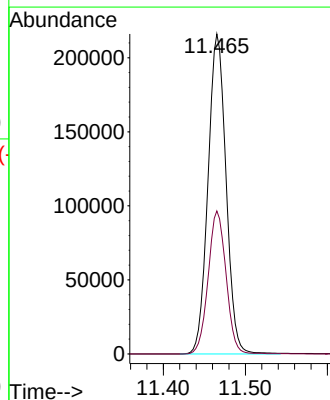
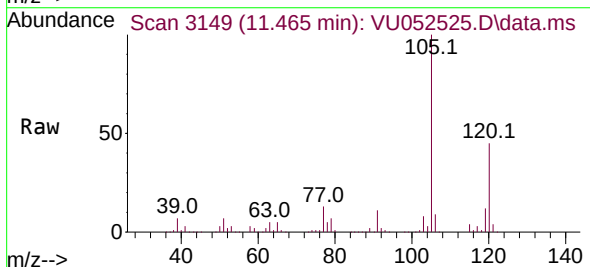
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

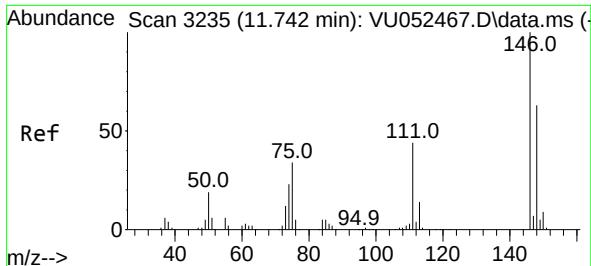
Tgt Ion:105 Resp: 322550
Ion Ratio Lower Upper
105 100
120 49.3 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 5.542 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion:105 Resp: 330314
Ion Ratio Lower Upper
105 100
120 44.4 35.6 53.4

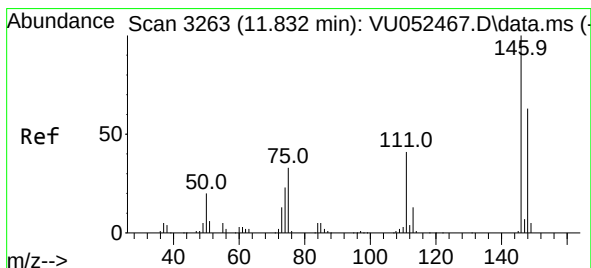
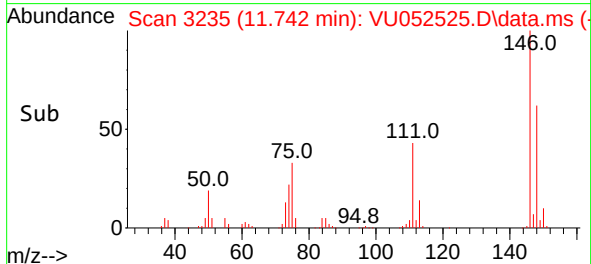
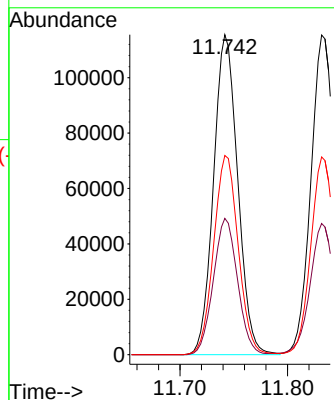
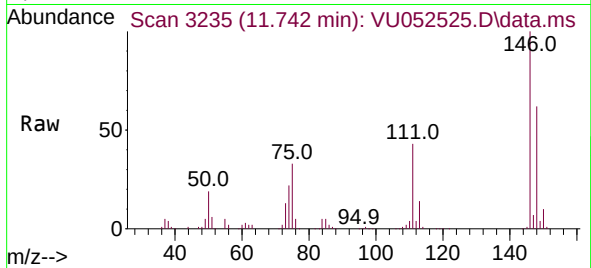




#64
1,3-Dichlorobenzene
Concen: 5.066 ug/L
RT: 11.742 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

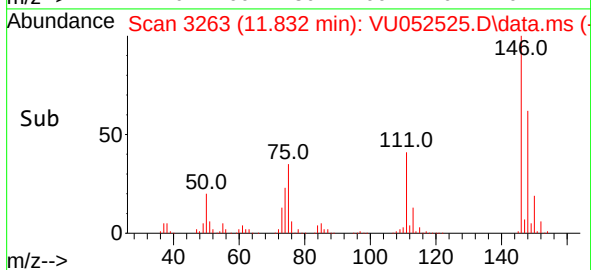
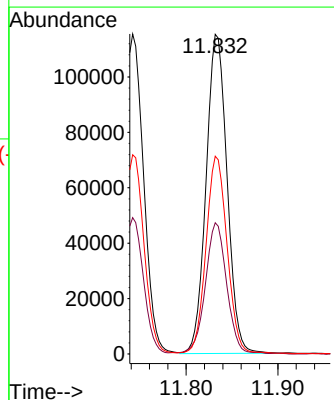
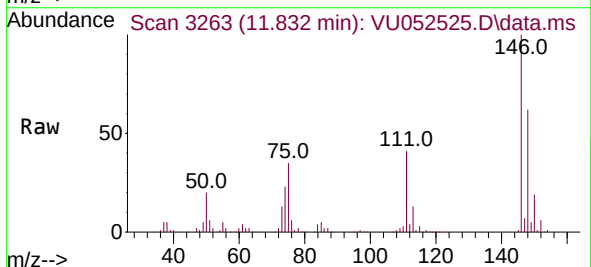
Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

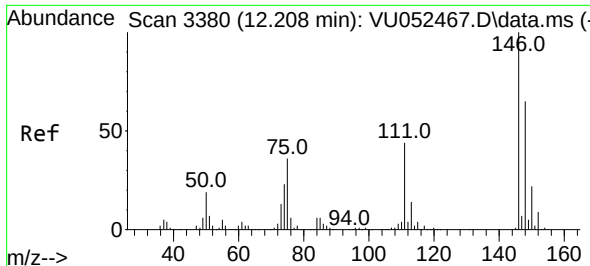
Tgt Ion:146 Resp: 180440
Ion Ratio Lower Upper
146 100
111 42.6 29.9 55.5
148 62.2 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.972 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion:146 Resp: 183123
Ion Ratio Lower Upper
146 100
111 41.0 27.5 51.1
148 61.9 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.948 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005116

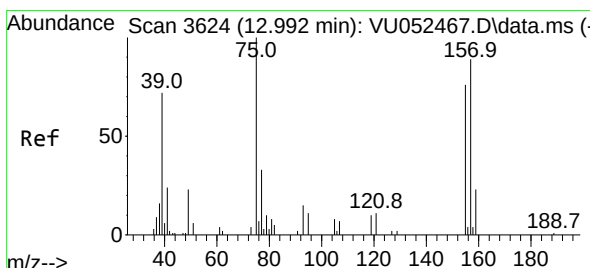
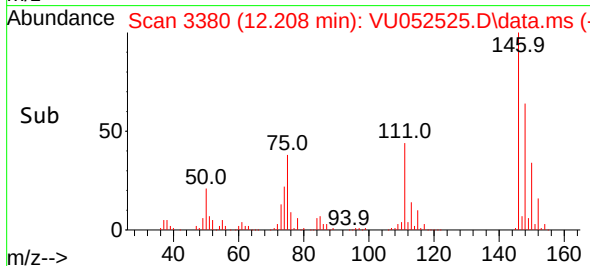
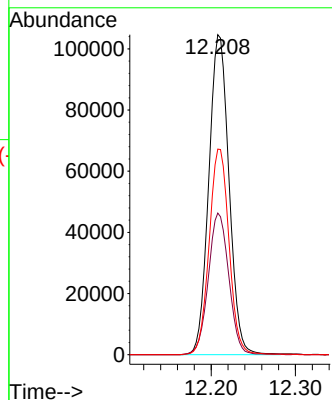
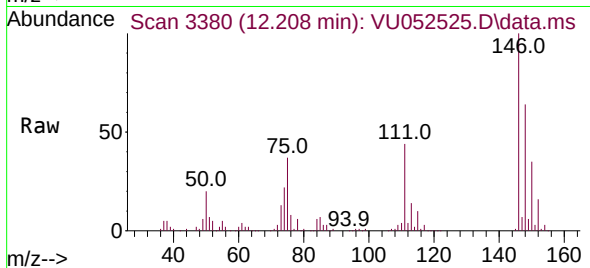
Tgt Ion:146 Resp: 174129

Ion Ratio Lower Upper

146 100

111 44.3 36.6 55.0

148 64.2 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.726 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU052525.D

Acq: 23 Dec 2022 09:58

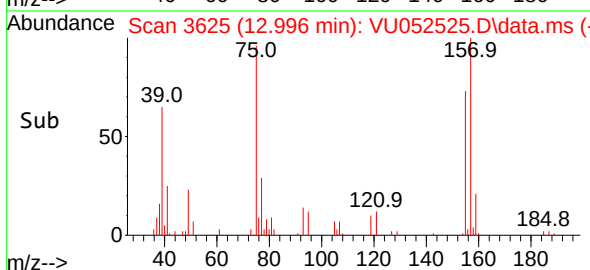
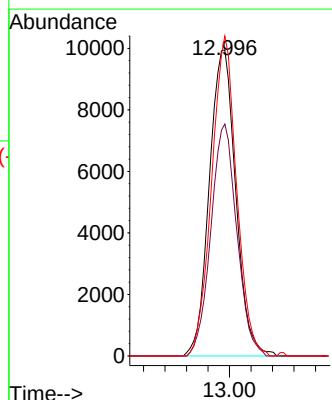
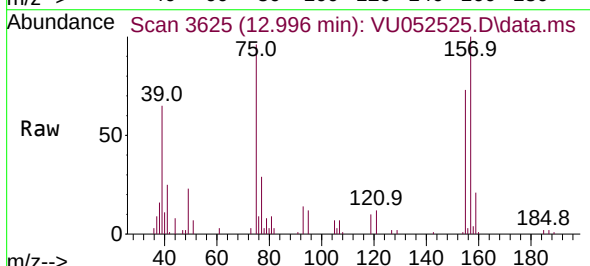
Tgt Ion: 75 Resp: 16993

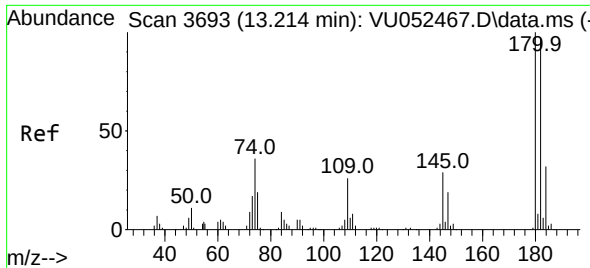
Ion Ratio Lower Upper

75 100

155 75.8 62.2 93.2

157 104.5 73.0 109.4

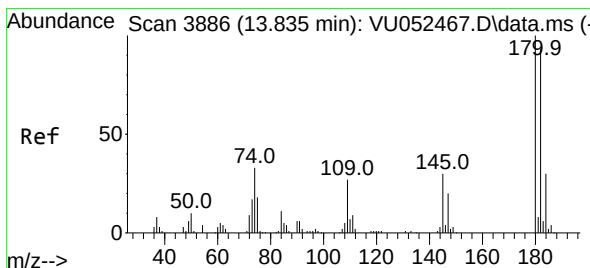
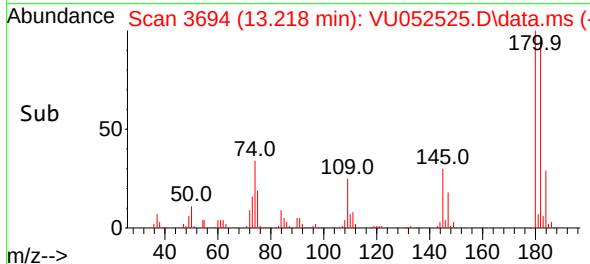
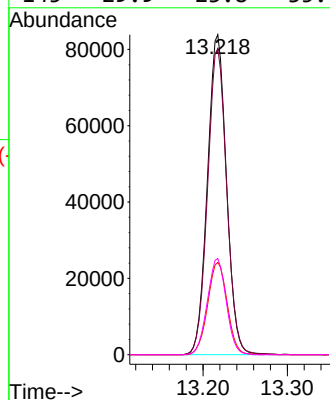
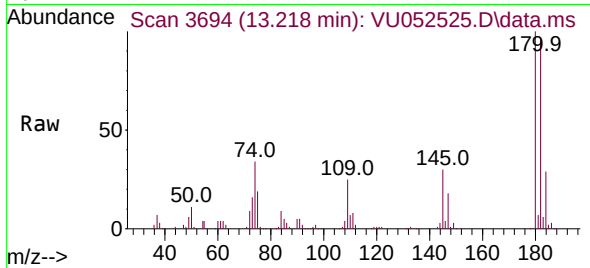




#69
 1,3,5-Trichlorobenzene
 Concen: 5.027 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.003 min
 Lab File: VU052525.D
 Acq: 23 Dec 2022 09:58

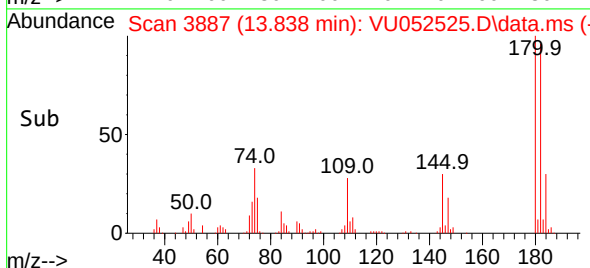
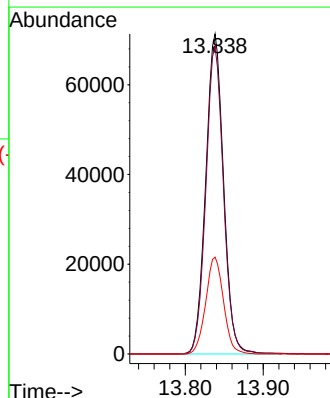
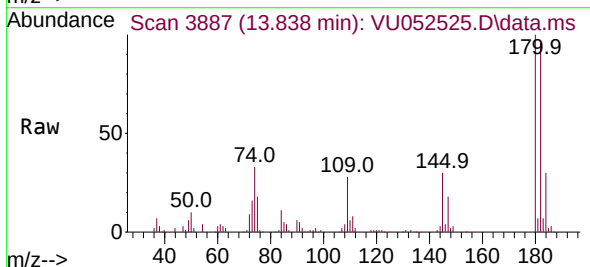
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005116

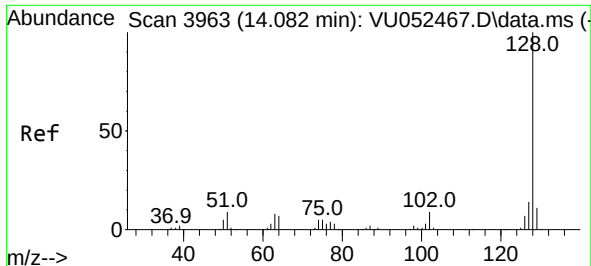
Tgt Ion:180 Resp: 131827
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.8 113.8
 184 29.6 23.4 35.0
 145 29.9 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.144 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU052525.D
 Acq: 23 Dec 2022 09:58

Tgt Ion:180 Resp: 113510
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.7 116.5
 145 30.1 24.0 36.0

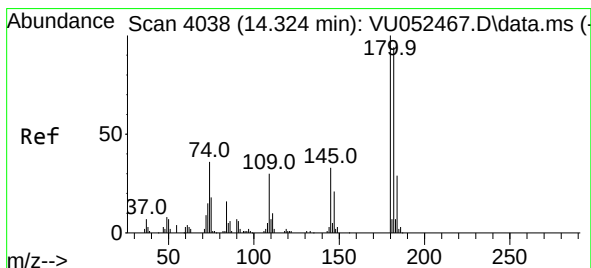
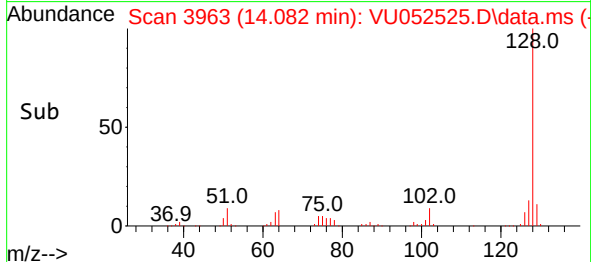
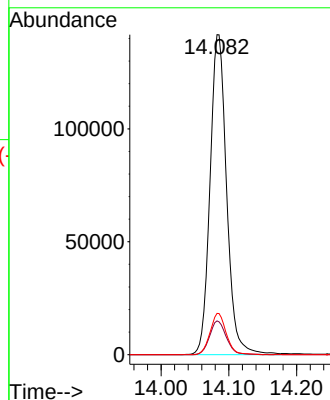
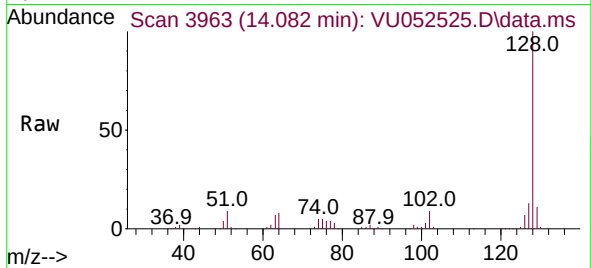




#71
Naphthalene
Concen: 5.402 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD005116

Tgt Ion:	128	Resp:	241215
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	12.6	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.107 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052525.D
Acq: 23 Dec 2022 09:58

Tgt Ion:	180	Resp:	112951
Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.3	114.5
145	32.0	25.8	38.8

