

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121422\
 Data File : VU052408.D
 Acq On : 14 Dec 2022 18:18
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Quant Time: Dec 14 21:41:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 14 21:38:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	255244	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	262889	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	142249	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	73791	2.972	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.400%
7) Chloroethane-d5	1.916	69	66811	3.465	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.200%
11) 1,1-Dichloroethene-d2	2.568	65	31796	3.573	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.400%
20) 2-Butanone-d5	4.639	46	262359	58.298	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.600%
24) Chloroform-d	5.060	84	160649	4.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.700	65	81530	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.726	84	316727	4.058	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
36) 1,2-Dichloropropane-d6	6.687	67	103623	4.290	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.896	98	290485	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.176	79	36570	4.155	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.633	63	200414	53.729	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.460%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	102813	4.909	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	112601	4.135	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	101319	4.577	ug/L	99
3) Chloromethane	1.520	50	115228	3.988	ug/L	99
5) Vinyl chloride	1.607	62	126955	4.574	ug/L	98
6) Bromomethane	1.861	94	51867	3.641	ug/L	97
8) Chloroethane	1.938	64	76730	4.445	ug/L	95
9) Trichlorofluoromethane	2.141	101	144806	4.742	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	91383	4.895	ug/L	99
12) 1,1-Dichloroethene	2.581	96	88445	4.777	ug/L	89
13) Acetone	2.655	43	179396	58.703	ug/L	99
14) Carbon disulfide	2.797	76	285444	4.453	ug/L	100
15) Methyl Acetate	2.961	43	42495	5.361	ug/L	97
16) Methylene chloride	3.048	84	171626	6.851	ug/L	100
17) Methyl tert-butyl Ether	3.363	73	200924	4.847	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	93968	4.734	ug/L	97
19) 1,1-Dichloroethane	3.867	63	177853	4.972	ug/L	99
21) 2-Butanone	4.720	43	287330	58.662	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	102278	4.910	ug/L	96
23) Bromochloromethane	4.974	128	51165	5.134	ug/L	93
25) Chloroform	5.086	83	182384	5.031	ug/L	97

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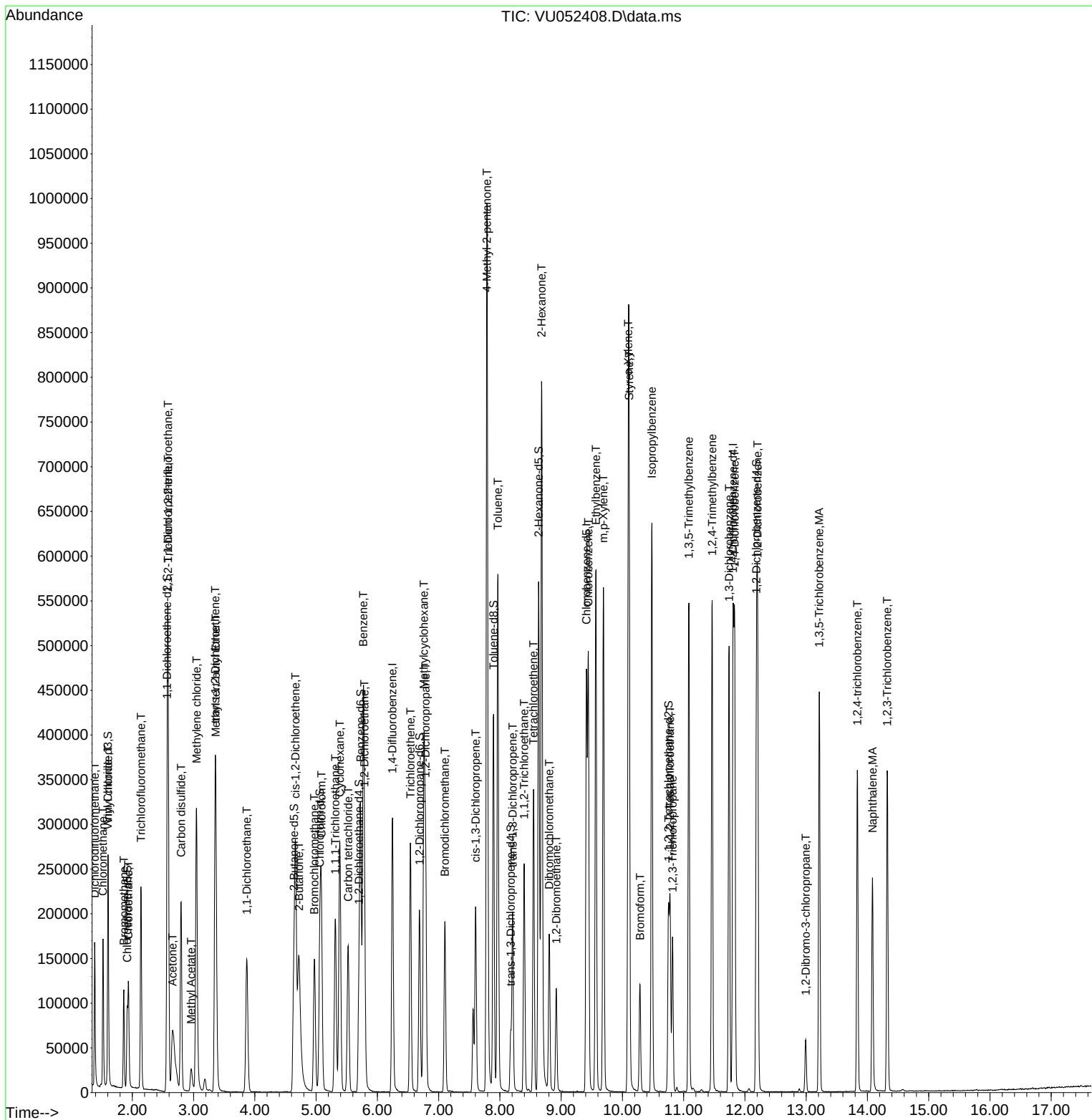
Instrument :
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 VSTD005108

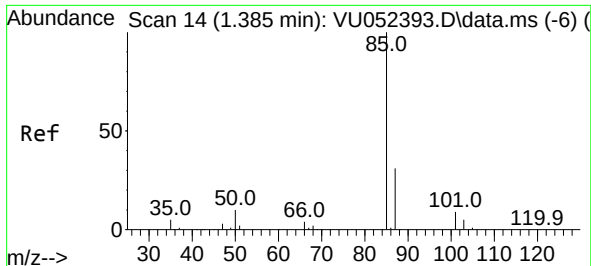
Quant Time: Dec 14 21:41:25 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 14 21:38:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	113500	5.112	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	141385	4.847	ug/L	99
30) Cyclohexane	5.385	56	134325	4.743	ug/L	98
31) Carbon tetrachloride	5.523	117	114123	4.605	ug/L	99
33) Benzene	5.771	78	412942	4.827	ug/L	100
34) Trichloroethene	6.539	95	99730	4.673	ug/L	97
35) Methylcyclohexane	6.761	83	145199	4.730	ug/L	99
37) 1,2-Dichloropropane	6.787	63	108425	4.895	ug/L	99
38) Bromodichloromethane	7.102	83	128730	4.767	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	131355	4.619	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	642696	55.543	ug/L	100
42) Toluene	7.967	91	440531	5.006	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	116178	4.770	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	82897	4.980	ug/L	97
47) Tetrachloroethene	8.549	164	78811	4.819	ug/L	97
48) 2-Hexanone	8.681	43	491921	57.989	ug/L	99
49) Dibromochloromethane	8.806	129	94709	5.080	ug/L	97
50) 1,2-Dibromoethane	8.922	107	78147	5.154	ug/L	99
51) Chlorobenzene	9.443	112	267345	4.765	ug/L	99
52) Ethylbenzene	9.568	91	416241	4.865	ug/L	99
53) m,p-Xylene	9.690	106	165911	5.008	ug/L	98
54) o-Xylene	10.095	106	155823	4.907	ug/L	98
55) Styrene	10.112	104	270366	5.041	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	112179	5.395	ug/L	100
59) Bromoform	10.288	173	55692	4.753	ug/L	97
60) Isopropylbenzene	10.481	105	407449	4.560	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	76993	4.729	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	298519	4.179	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	305358	4.307	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	211958	4.646	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	210799	4.633	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	201474	4.586	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	15921	4.469	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	147319	4.554	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	116594	4.733	ug/L	99
71) Naphthalene	14.082	128	199778	4.319	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	114800	4.736	ug/L	99

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

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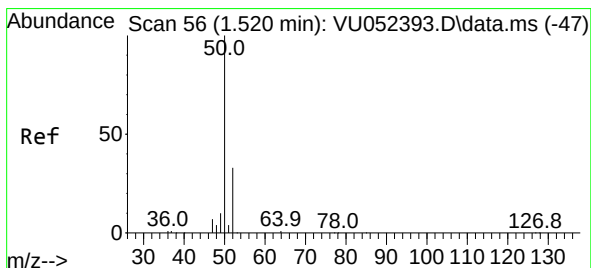
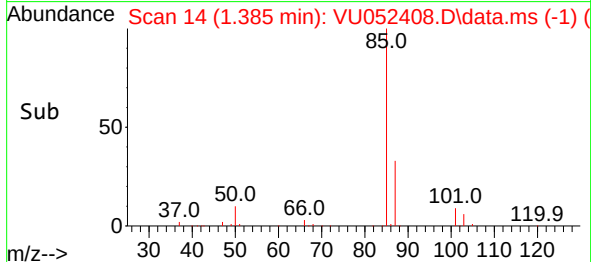
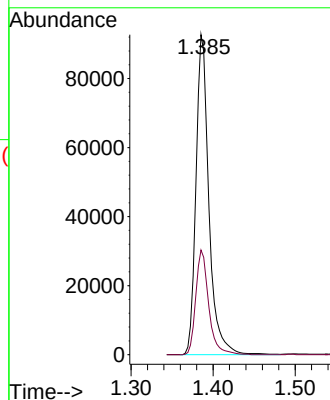
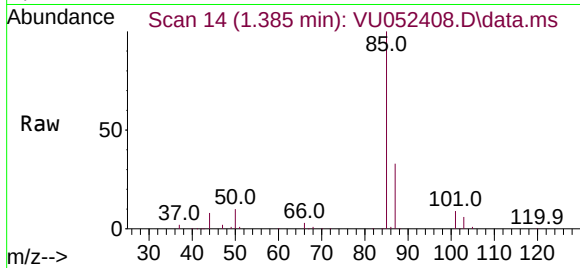




#2
 Dichlorodifluoromethane
 Concen: 4.577 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU052408.D
 Acq: 14 Dec 2022 18:18

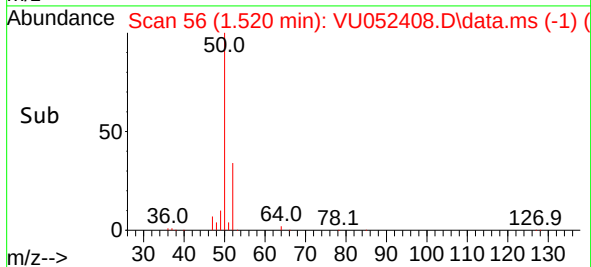
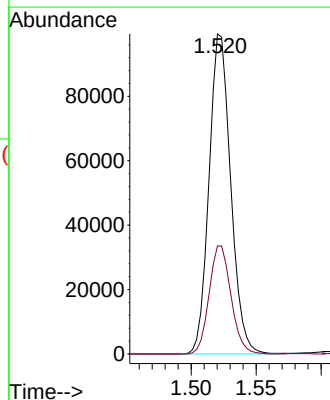
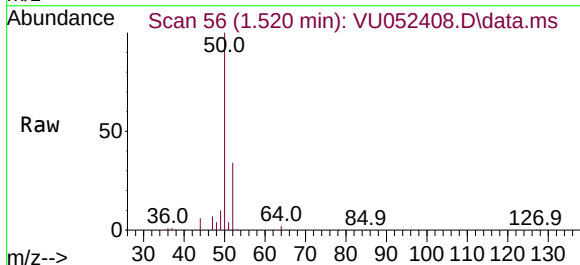
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

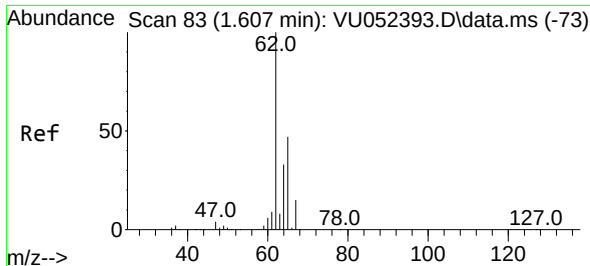
Tgt Ion: 85 Resp: 101319
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.8



#3
 Chloromethane
 Concen: 3.988 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU052408.D
 Acq: 14 Dec 2022 18:18

Tgt Ion: 50 Resp: 115228
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.4 43.4

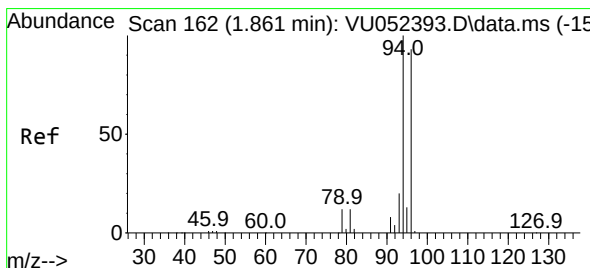
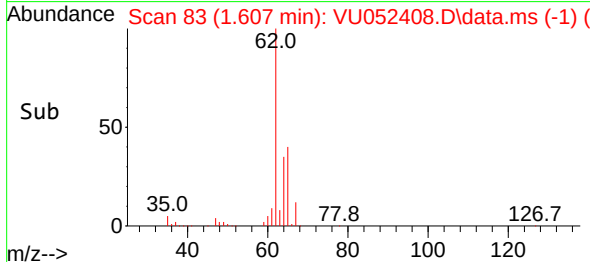
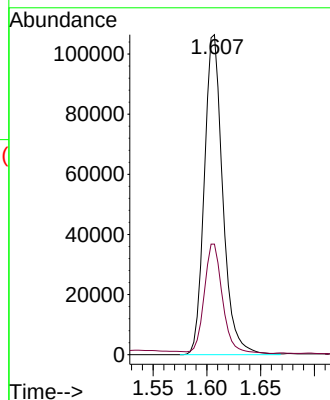
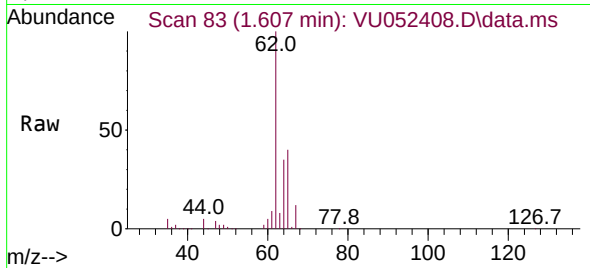




#5
 Vinyl chloride
 Concen: 4.574 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU052408.D
 Acq: 14 Dec 2022 18:18

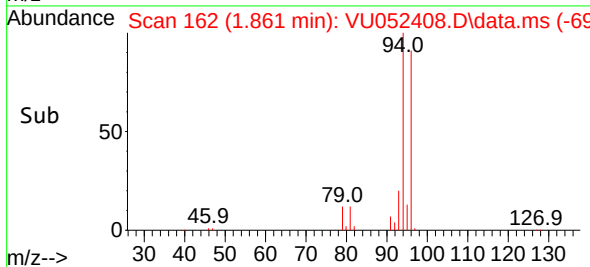
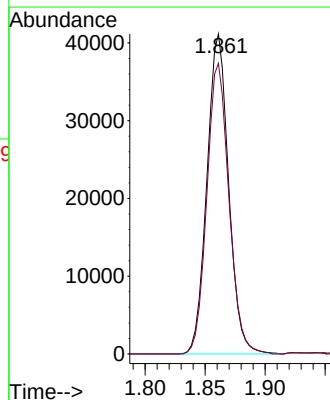
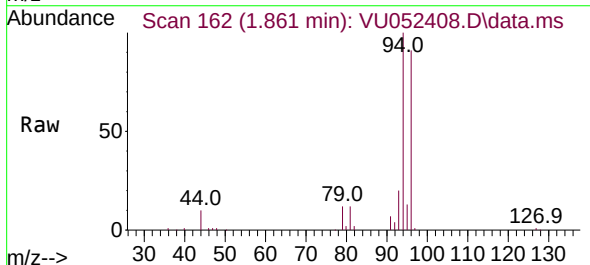
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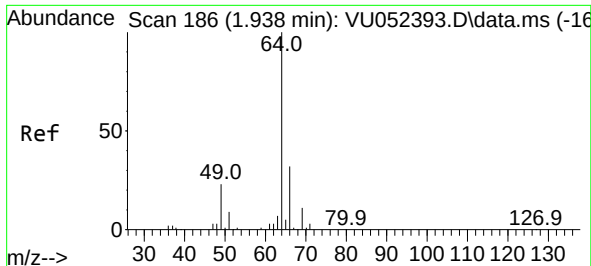
Tgt Ion: 62 Resp: 126955
 Ion Ratio Lower Upper
 62 100
 64 34.6 23.5 43.7



#6
 Bromomethane
 Concen: 3.641 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU052408.D
 Acq: 14 Dec 2022 18:18

Tgt Ion: 94 Resp: 51867
 Ion Ratio Lower Upper
 94 100
 96 90.8 65.7 122.1

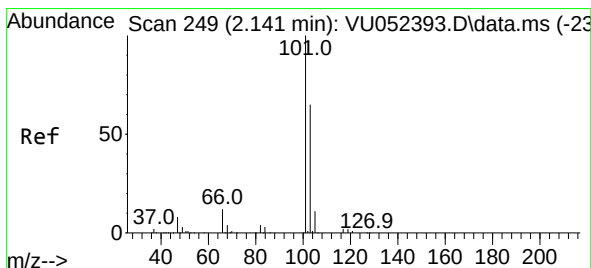
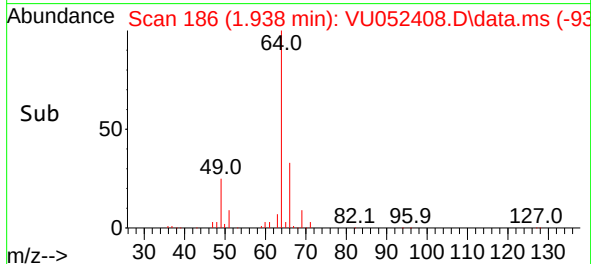
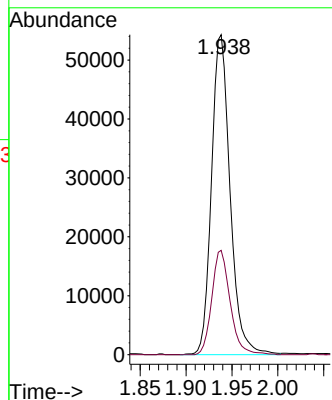
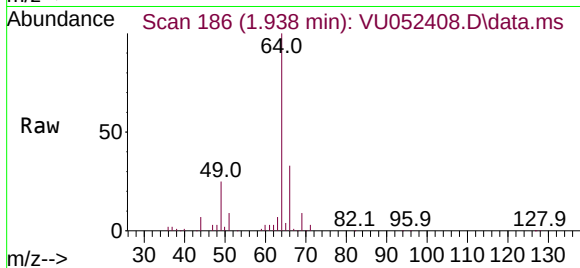




#8
Chloroethane
Concen: 4.445 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

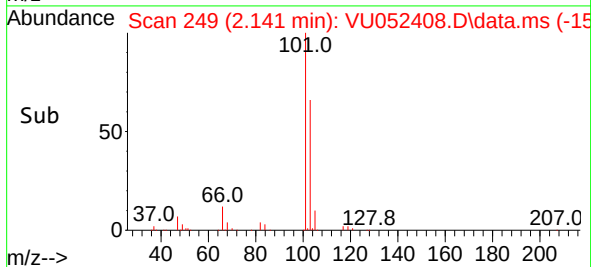
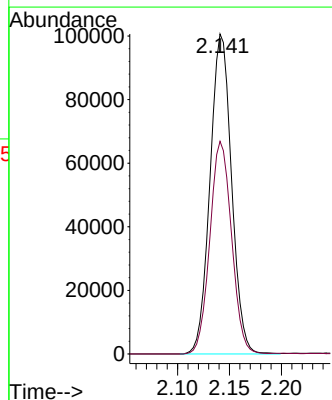
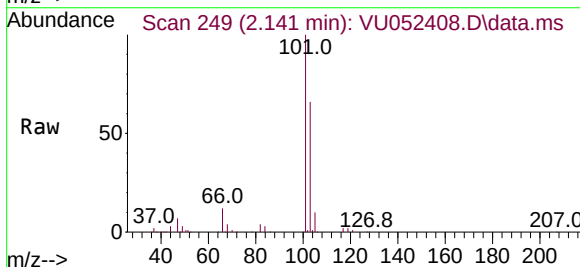
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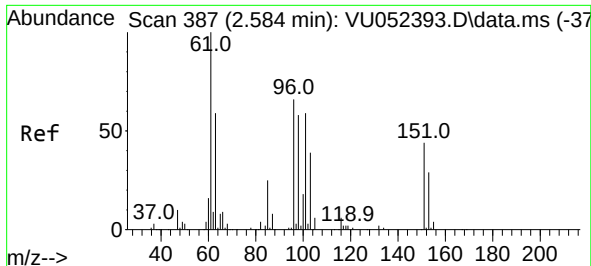
Tgt Ion: 64 Resp: 76730
Ion Ratio Lower Upper
64 100
66 32.6 21.1 39.1



#9
Trichlorofluoromethane
Concen: 4.742 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion:101 Resp: 144806
Ion Ratio Lower Upper
101 100
103 66.9 51.6 77.4

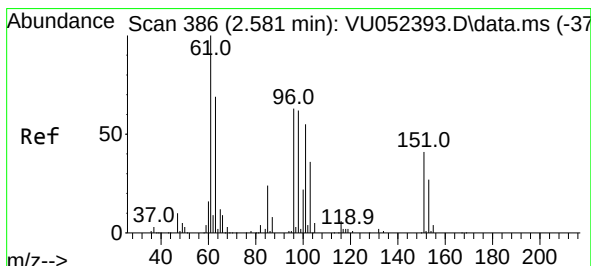
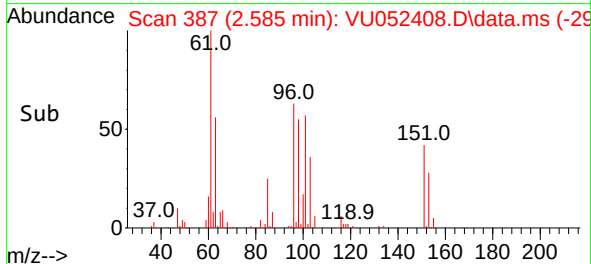
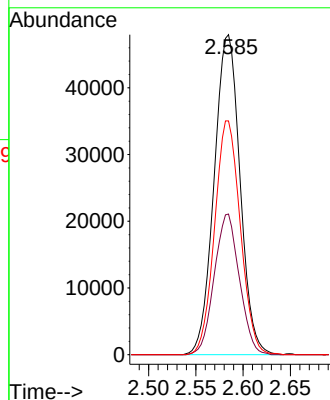
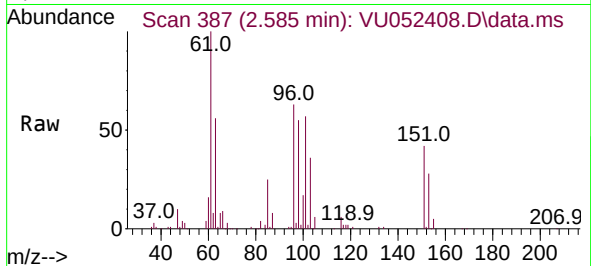




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.895 ug/L
 RT: 2.585 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU052408.D
 Acq: 14 Dec 2022 18:18

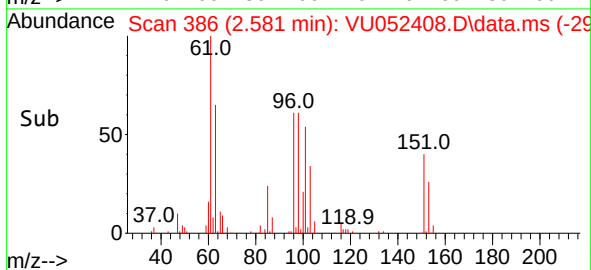
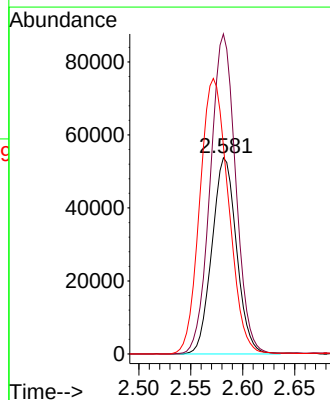
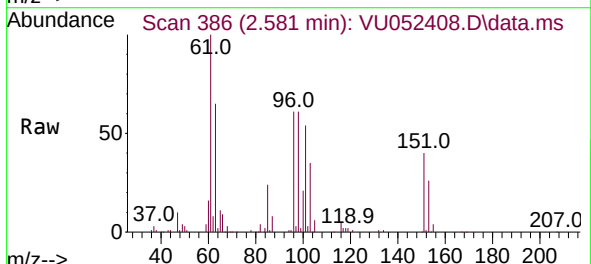
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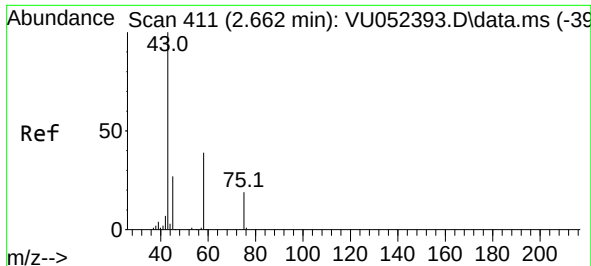
Tgt Ion:101 Resp: 91383
 Ion Ratio Lower Upper
 101 100
 85 42.6 33.8 50.6
 151 72.6 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 4.777 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052408.D
 Acq: 14 Dec 2022 18:18

Tgt Ion: 96 Resp: 88445
 Ion Ratio Lower Upper
 96 100
 61 163.1 114.8 213.2
 63 106.1 93.7 174.1





#13

Acetone

Concen: 58.703 ug/L

RT: 2.655 min Scan# 409

Delta R.T. -0.006 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

Instrument :

MSVOA_U

ClientSampleId :

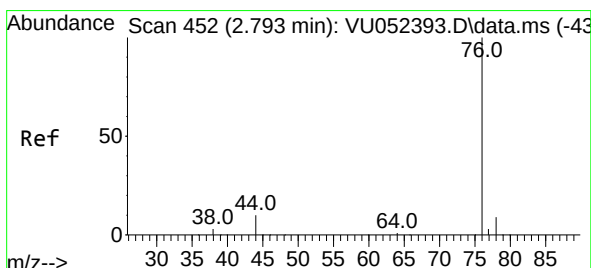
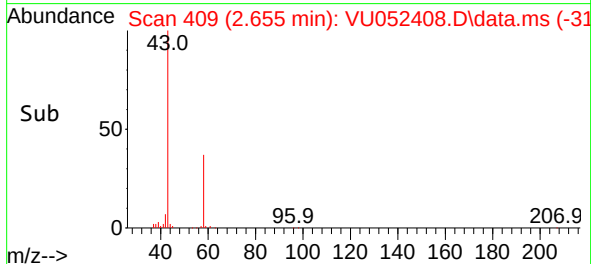
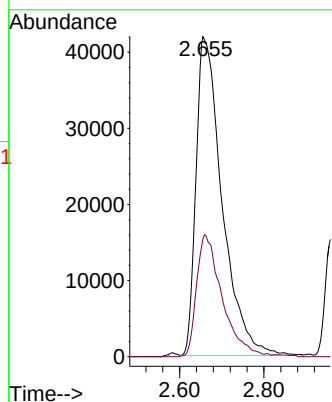
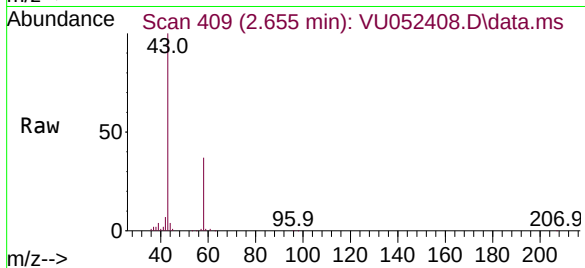
VSTD005108

Tgt Ion: 43 Resp: 179396

Ion Ratio Lower Upper

43 100

58 37.4 0.0 76.0



#14

Carbon disulfide

Concen: 4.453 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052408.D

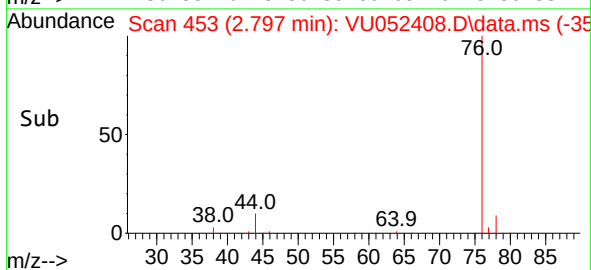
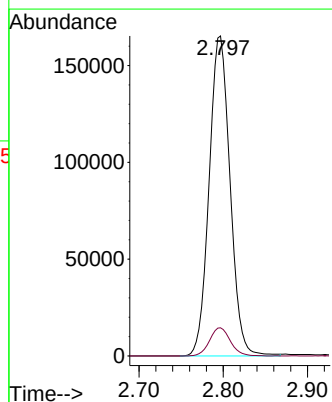
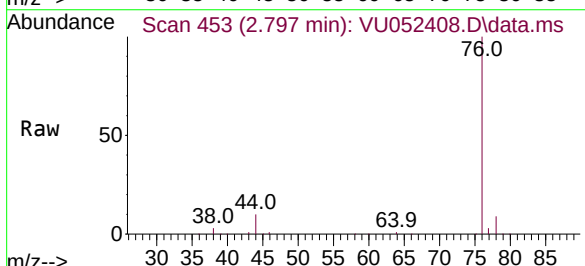
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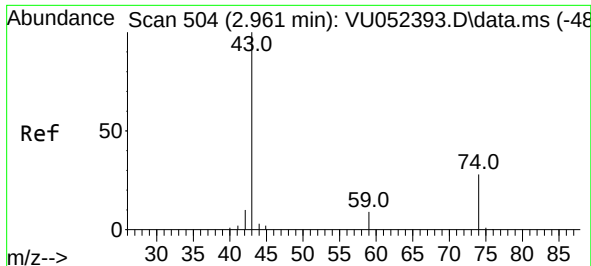
Tgt Ion: 76 Resp: 285444

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

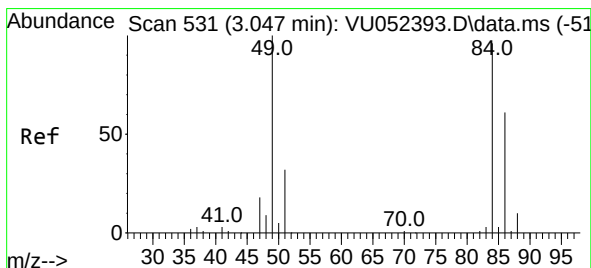
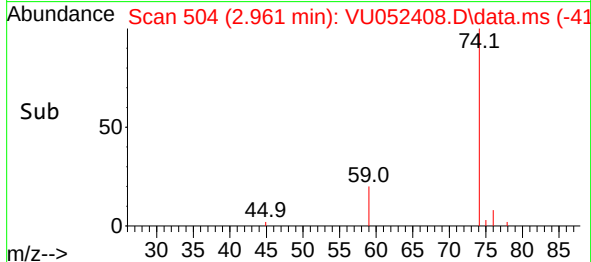
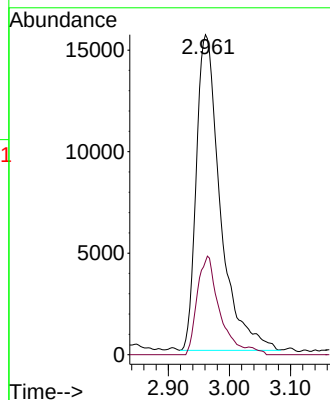
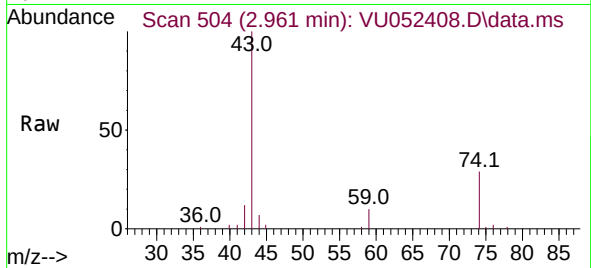




#15
Methyl Acetate
Concen: 5.361 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

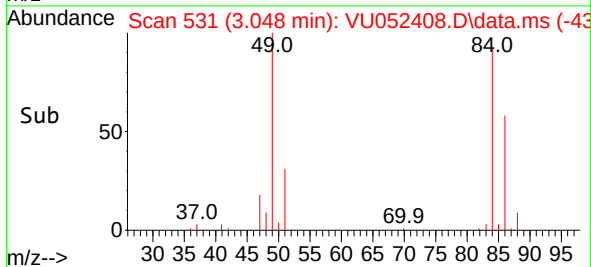
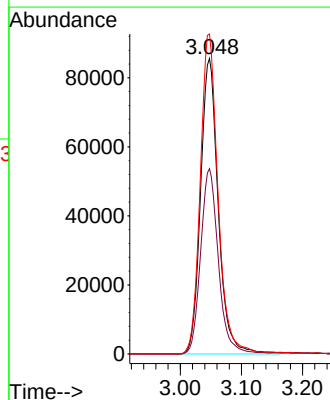
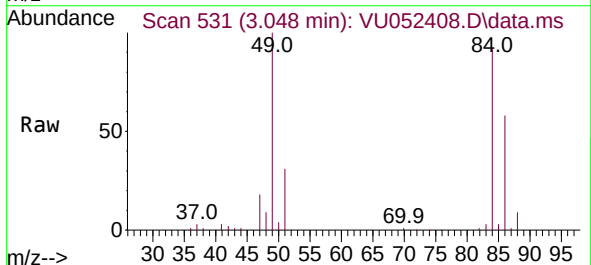
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

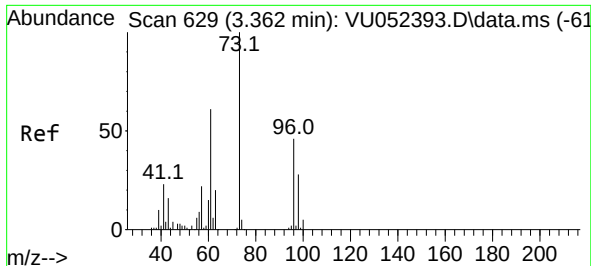
Tgt Ion: 43 Resp: 42495
Ion Ratio Lower Upper
43 100
74 28.3 21.3 31.9



#16
Methylene chloride
Concen: 6.851 ug/L
RT: 3.048 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion: 84 Resp: 171626
Ion Ratio Lower Upper
84 100
86 62.7 43.8 81.4
49 108.3 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 4.847 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

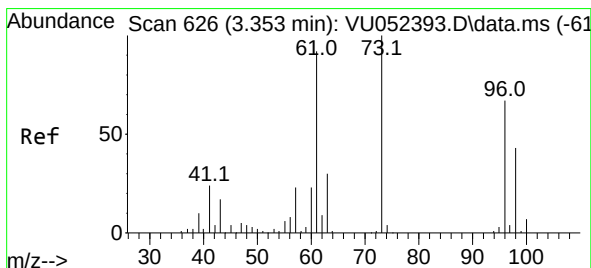
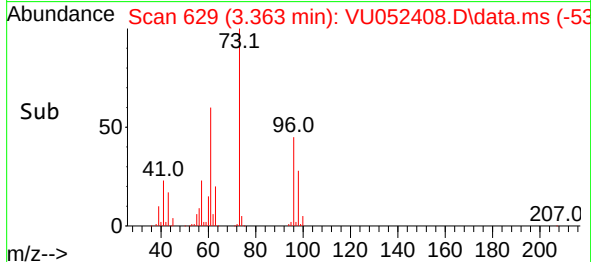
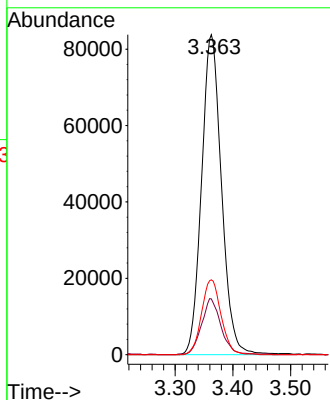
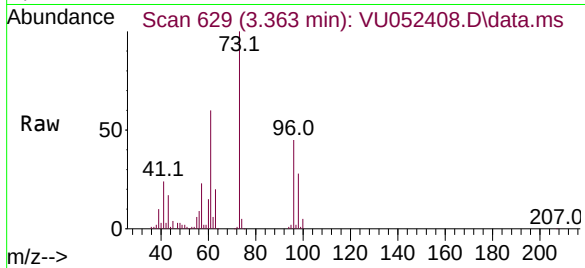
Tgt Ion: 73 Resp: 200924

Ion Ratio Lower Upper

73 100

43 17.2 13.2 19.8

57 22.8 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 4.734 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

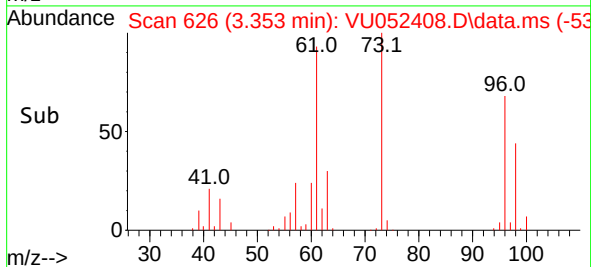
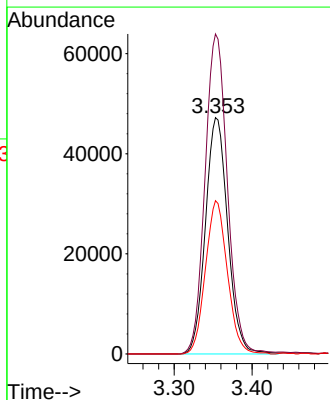
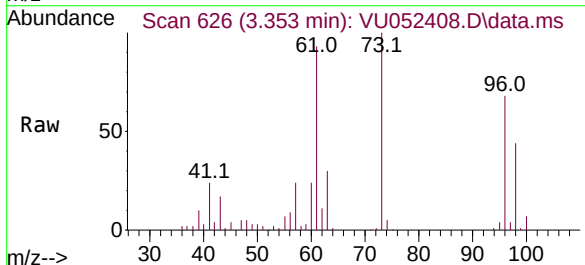
Tgt Ion: 96 Resp: 93968

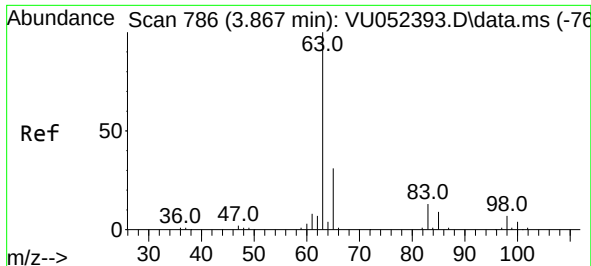
Ion Ratio Lower Upper

96 100

61 135.4 97.9 181.7

98 64.8 43.8 81.3

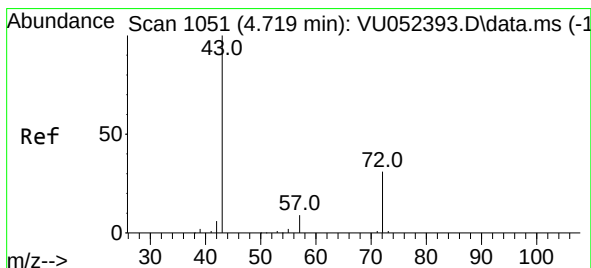
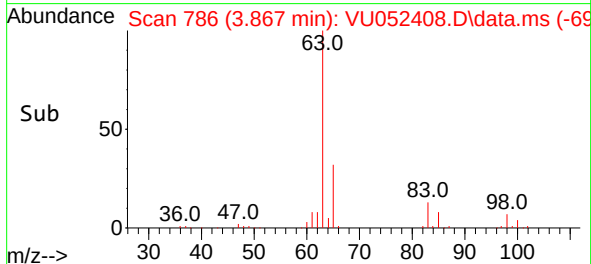
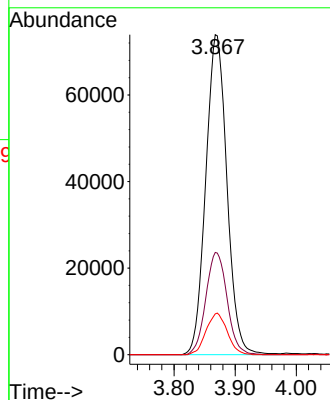
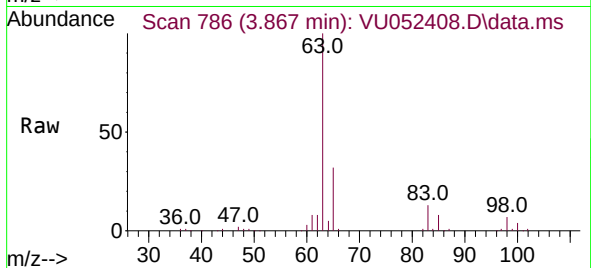




#19
1,1-Dichloroethane
Concen: 4.972 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

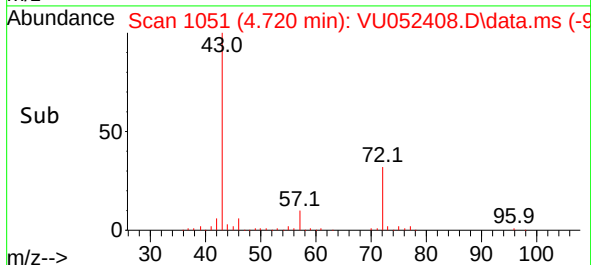
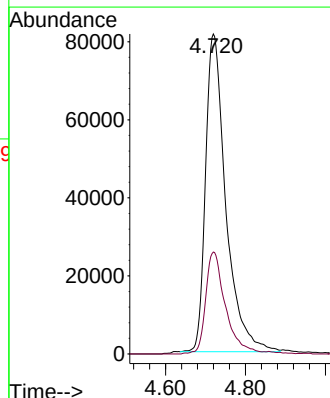
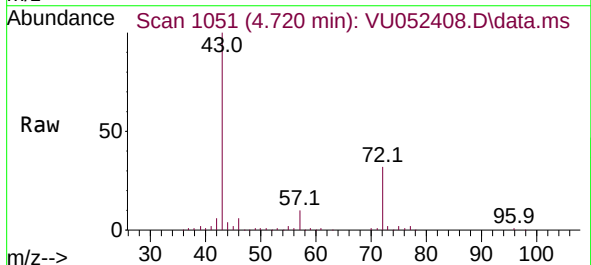
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

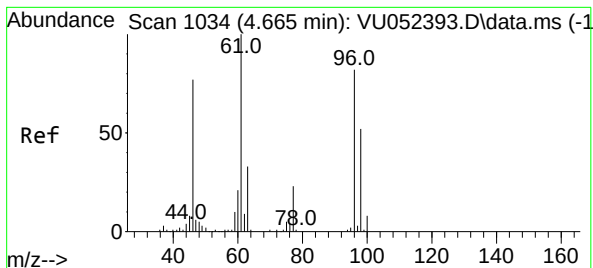
Tgt Ion: 63 Resp: 177853
Ion Ratio Lower Upper
63 100
65 31.9 22.2 41.2
83 12.7 9.2 17.0



#21
2-Butanone
Concen: 58.662 ug/L
RT: 4.720 min Scan# 1051
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion: 43 Resp: 287330
Ion Ratio Lower Upper
43 100
72 31.3 15.6 46.8





#22

cis-1,2-Dichloroethene

Concen: 4.910 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

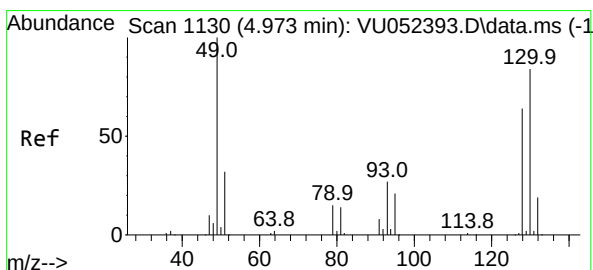
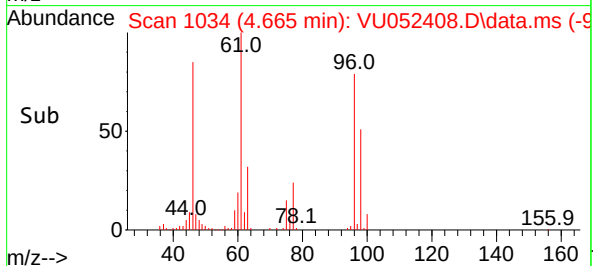
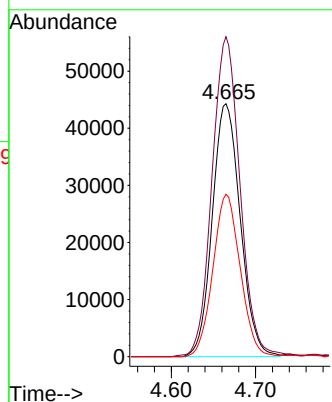
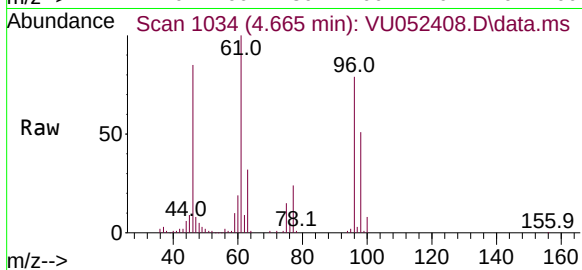
Tgt Ion: 96 Resp: 102278

Ion Ratio Lower Upper

96 100

61 126.5 85.1 158.1

98 64.2 42.8 79.6



#23

Bromochloromethane

Concen: 5.134 ug/L

RT: 4.974 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

Tgt Ion: 128 Resp: 51165

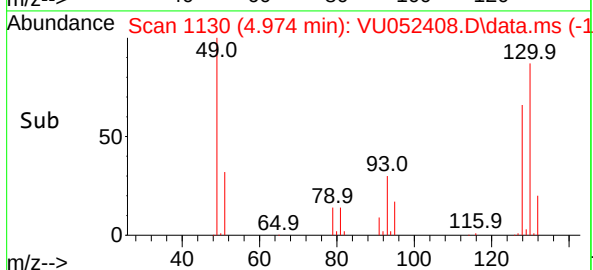
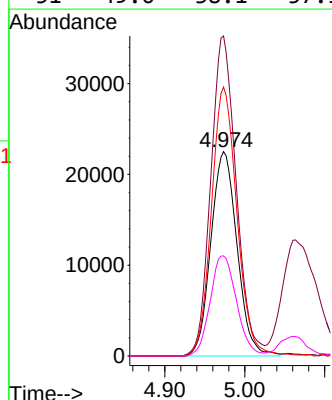
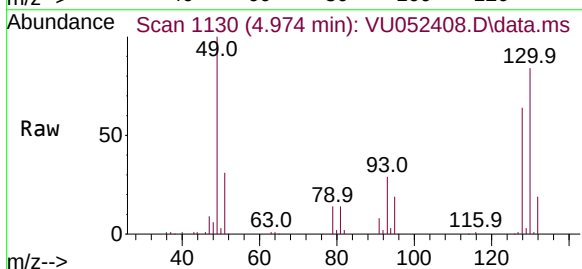
Ion Ratio Lower Upper

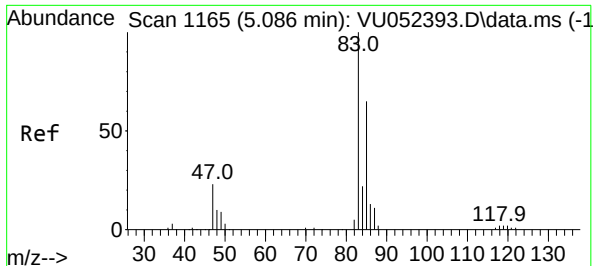
128 100

49 156.6 104.0 193.2

130 131.6 84.6 157.2

51 49.0 38.1 57.1

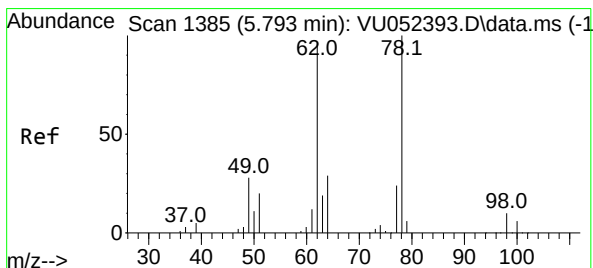
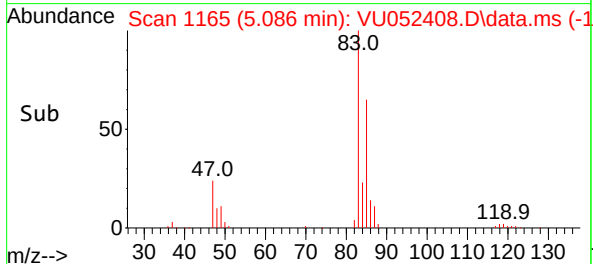
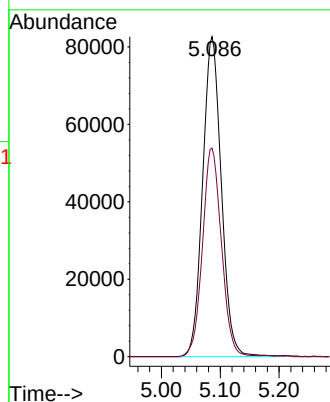
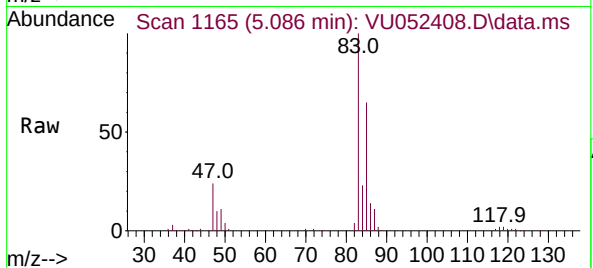




#25
Chloroform
Concen: 5.031 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

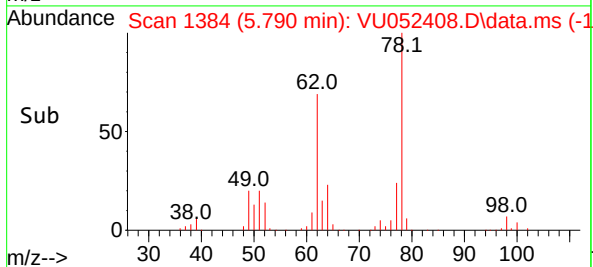
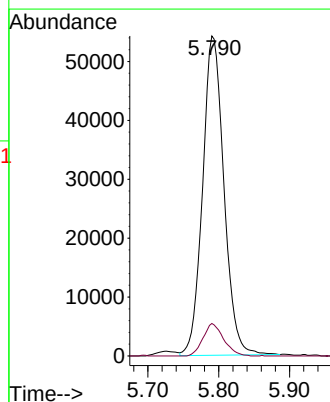
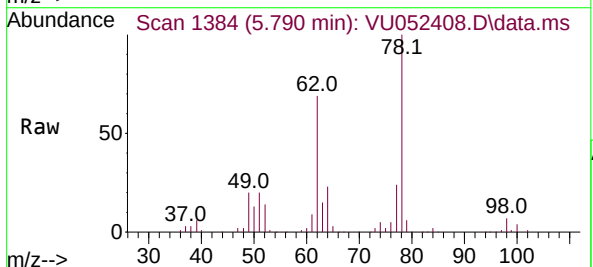
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

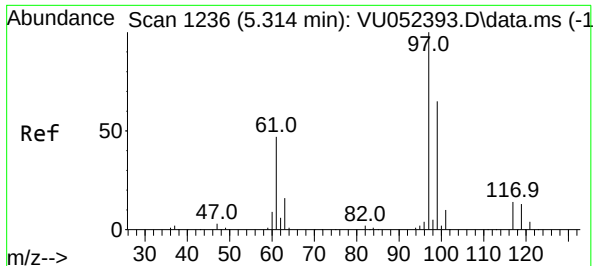
Tgt Ion: 83 Resp: 182384
Ion Ratio Lower Upper
83 100
85 65.2 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.112 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. -0.003 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion: 62 Resp: 113500
Ion Ratio Lower Upper
62 100
98 10.1 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 4.847 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

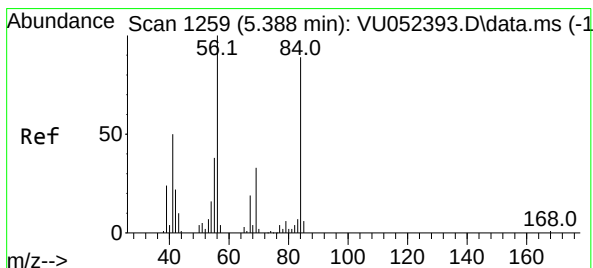
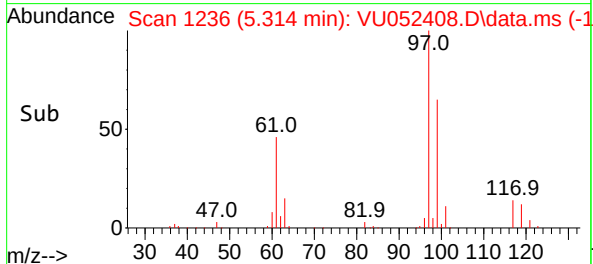
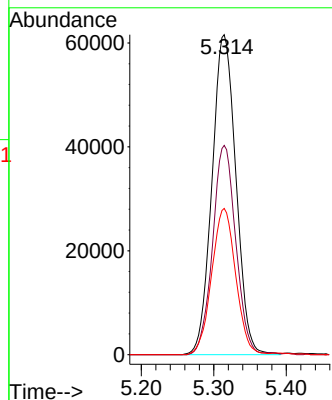
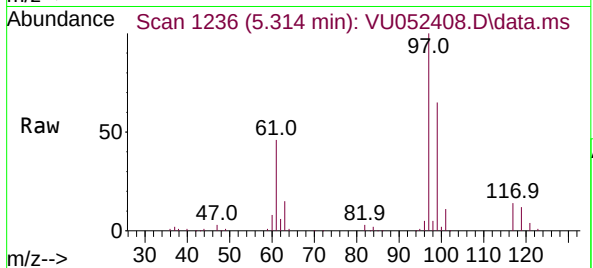
Tgt Ion: 97 Resp: 141385

Ion Ratio Lower Upper

97 100

99 63.1 51.0 76.6

61 45.8 36.9 55.3



#30

Cyclohexane

Concen: 4.743 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

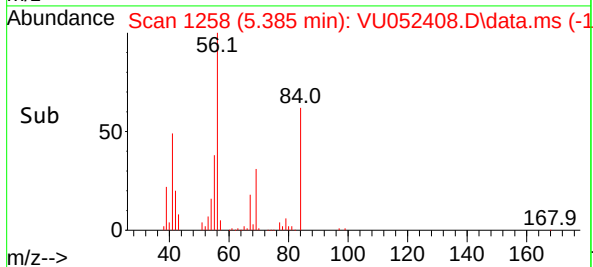
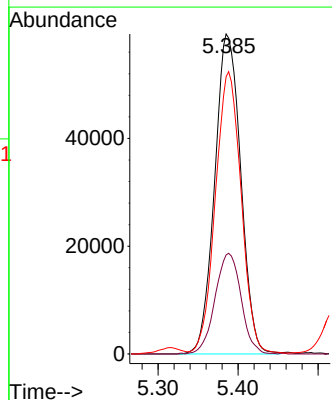
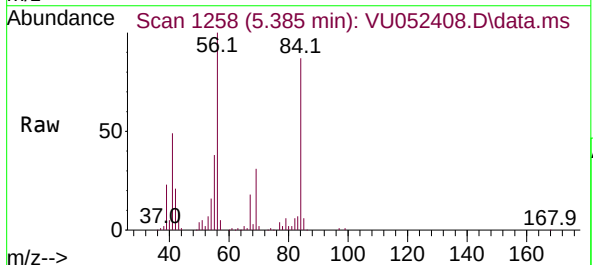
Tgt Ion: 56 Resp: 134325

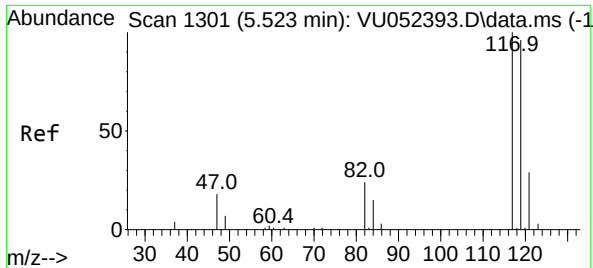
Ion Ratio Lower Upper

56 100

69 31.4 25.6 38.4

84 87.6 72.0 108.0

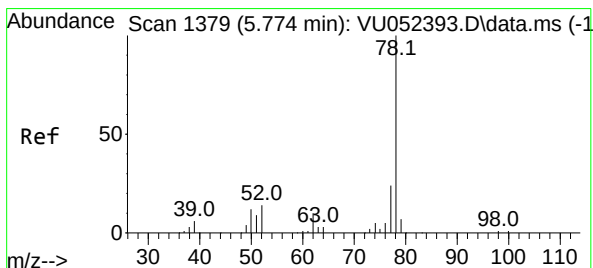
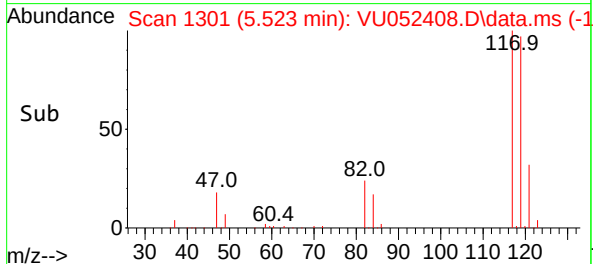
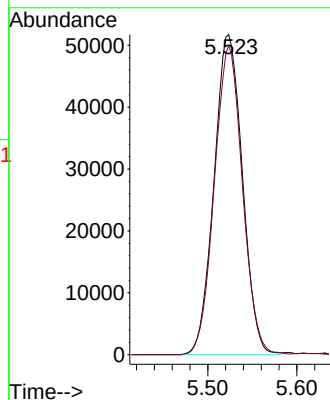
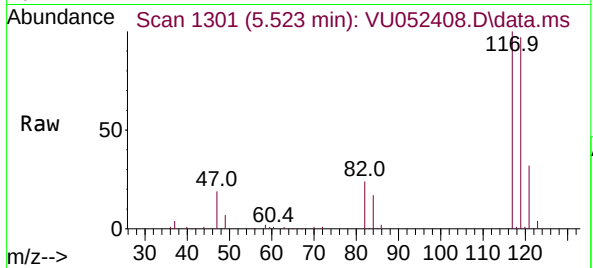




#31
Carbon tetrachloride
Concen: 4.605 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

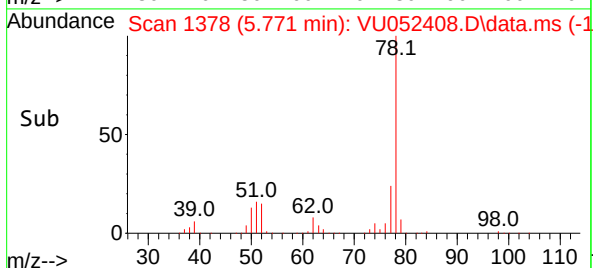
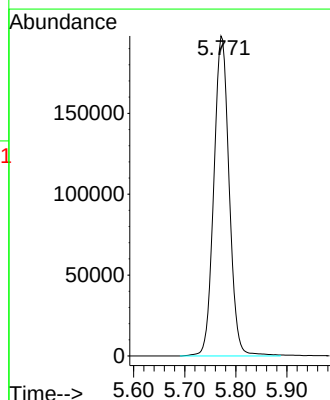
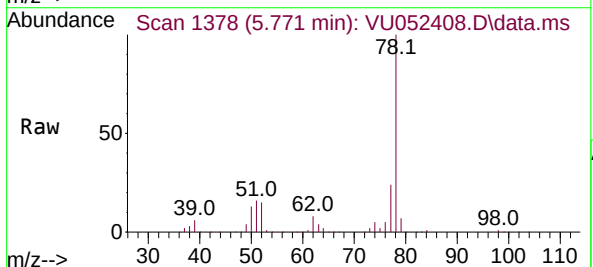
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

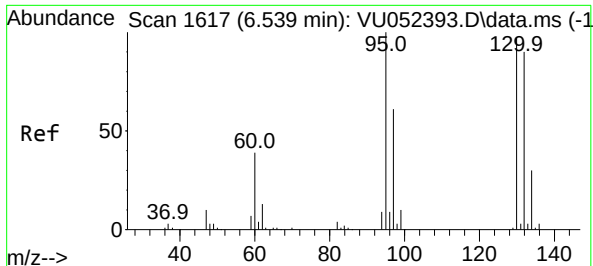
Tgt Ion:117 Resp: 114123
Ion Ratio Lower Upper
117 100
119 95.9 77.2 115.8



#33
Benzene
Concen: 4.827 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion: 78 Resp: 412942



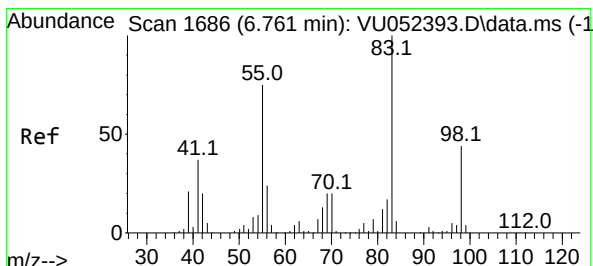
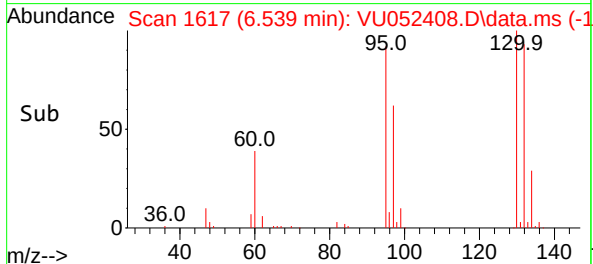
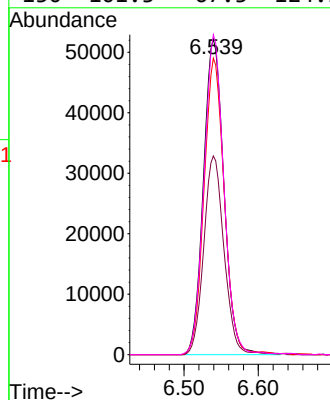
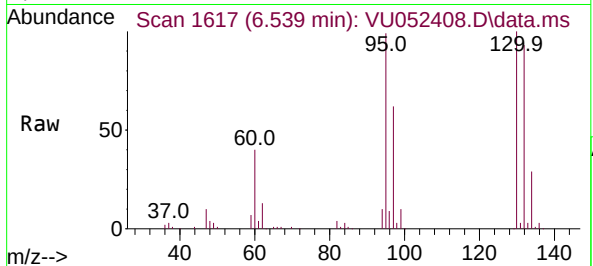


#34
Trichloroethene
Concen: 4.673 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

Tgt Ion: 95 Resp: 99730

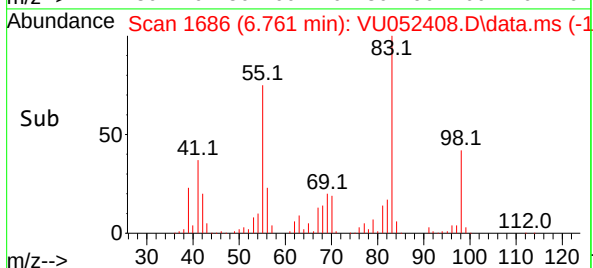
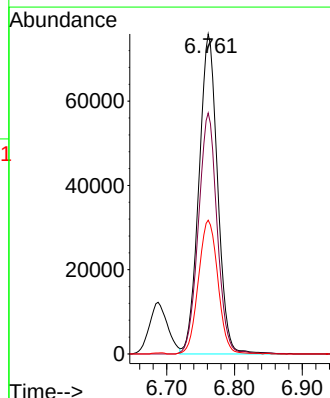
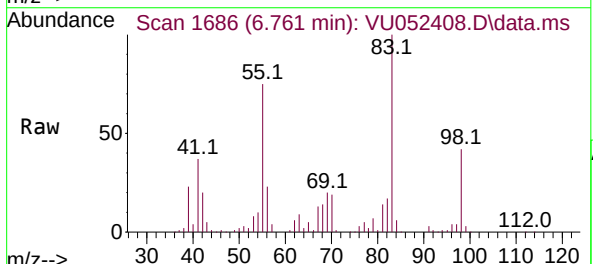
Ion	Ratio	Lower	Upper
95	100		
97	62.9	43.7	81.1
132	93.9	64.3	119.3
130	101.3	67.3	124.9

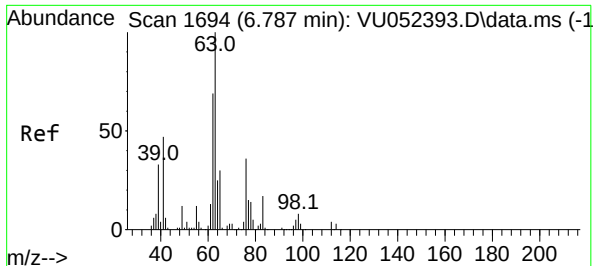


#35
Methylcyclohexane
Concen: 4.730 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion: 83 Resp: 145199

Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.8	91.2
98	43.6	35.1	52.7





#37

1,2-Dichloropropane

Concen: 4.895 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

Instrument :

MSVOA_U

ClientSampleId :

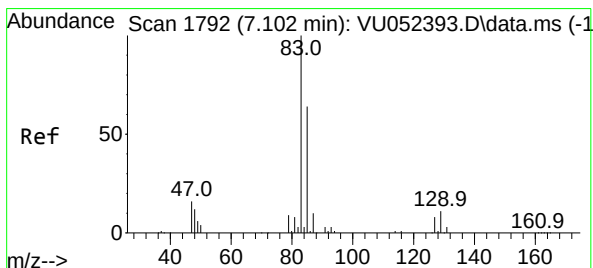
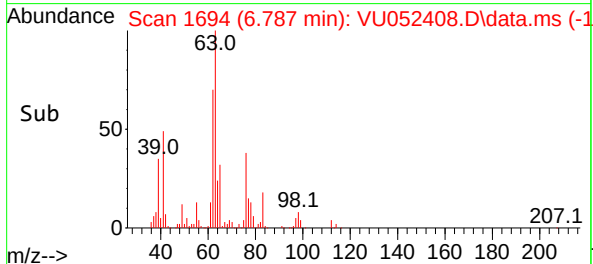
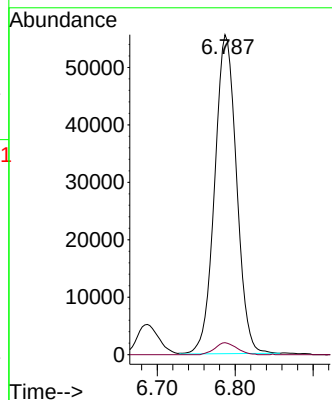
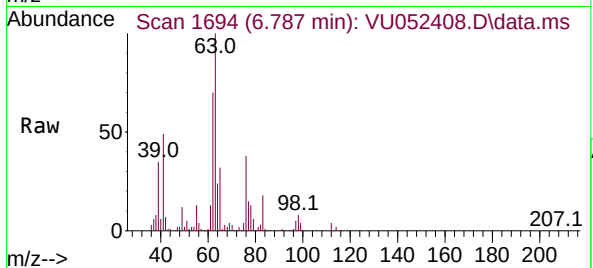
VSTD005108

Tgt Ion: 63 Resp: 108425

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



#38

Bromodichloromethane

Concen: 4.767 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

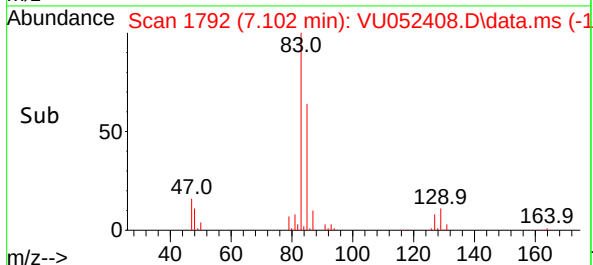
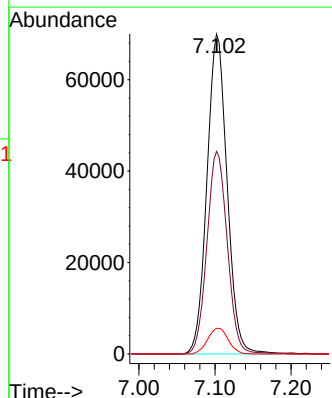
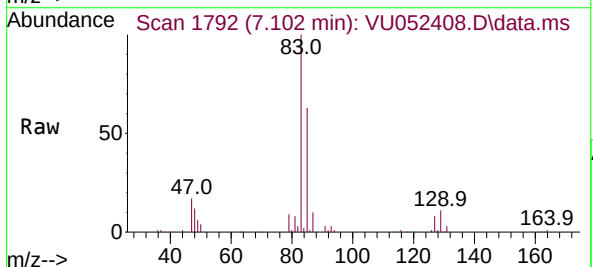
Tgt Ion: 83 Resp: 128730

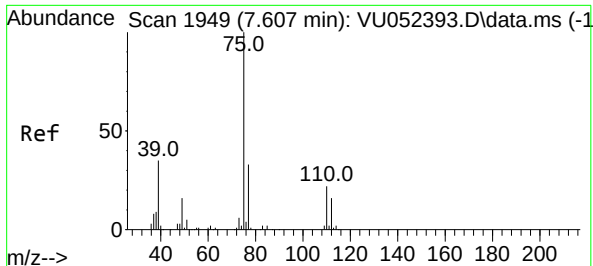
Ion Ratio Lower Upper

83 100

85 63.3 43.5 80.9

127 8.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.619 ug/L

RT: 7.604 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

Instrument :

MSVOA_U

ClientSampleId :

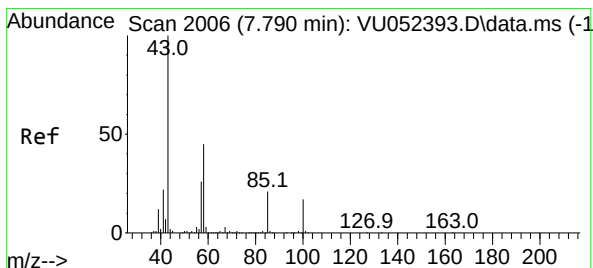
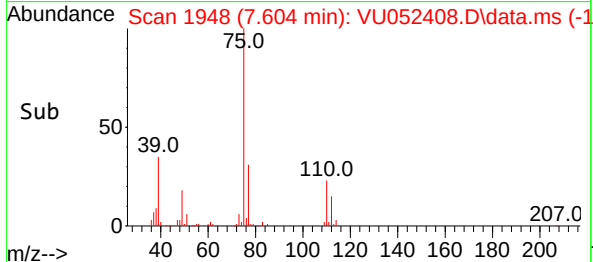
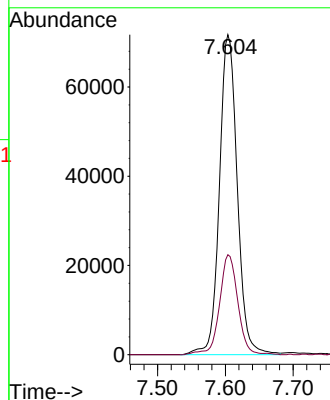
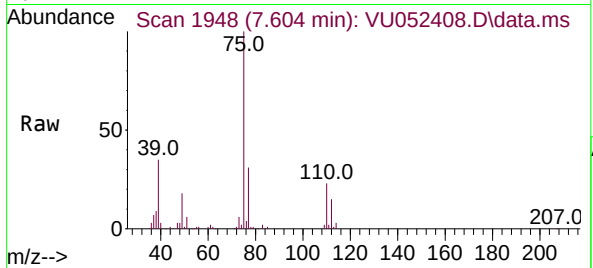
VSTD005108

Tgt Ion: 75 Resp: 131355

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 55.543 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

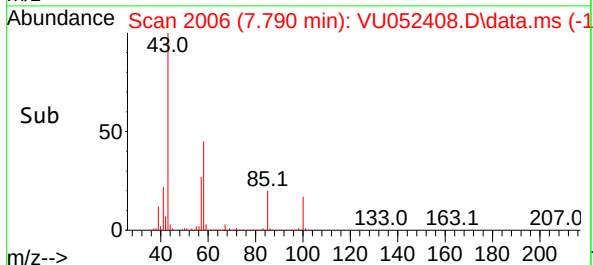
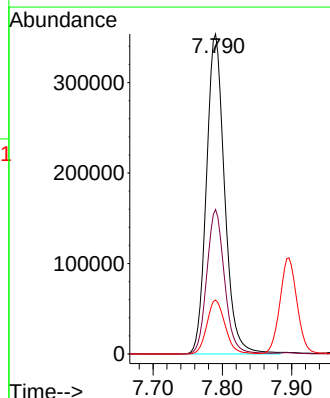
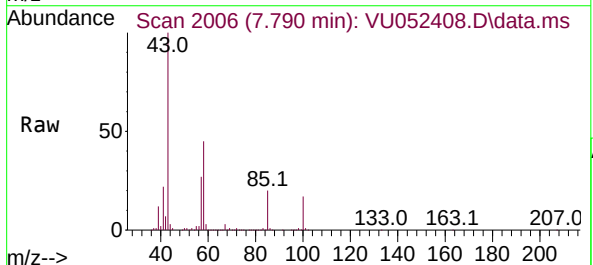
Tgt Ion: 43 Resp: 642696

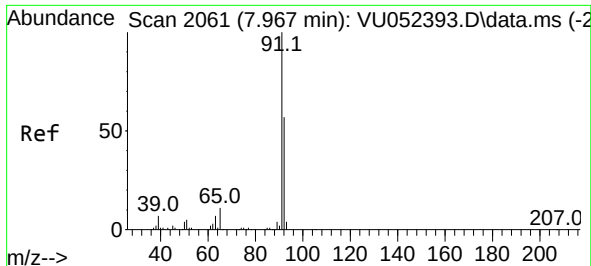
Ion Ratio Lower Upper

43 100

58 44.2 35.3 52.9

100 16.9 13.6 20.4





#42

Toluene

Concen: 5.006 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

Instrument :

MSVOA_U

ClientSampleId :

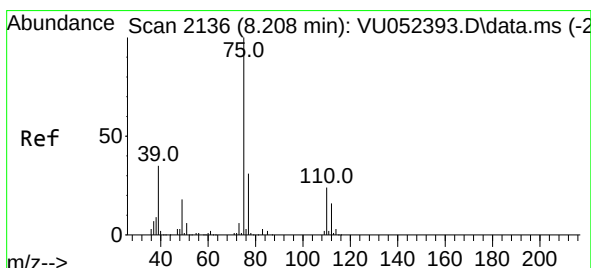
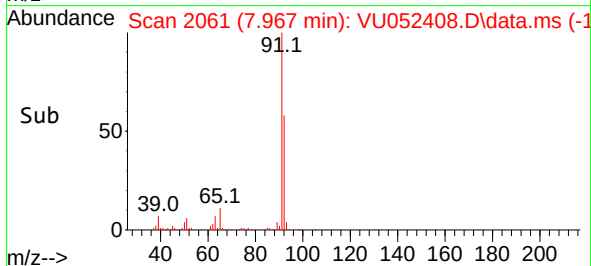
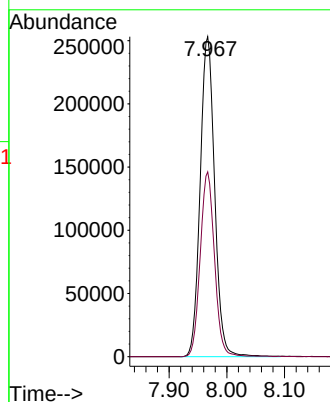
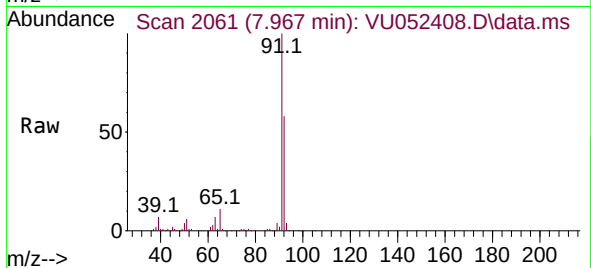
VSTD005108

Tgt Ion: 91 Resp: 440531

Ion Ratio Lower Upper

91 100

92 57.7 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.770 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052408.D

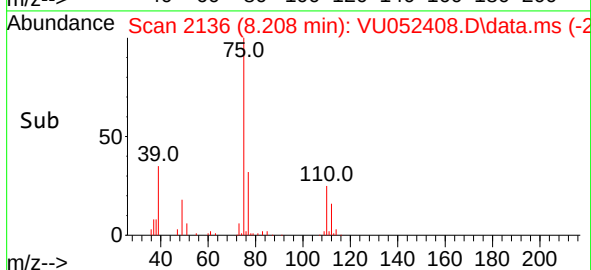
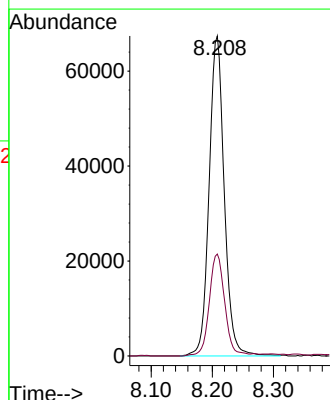
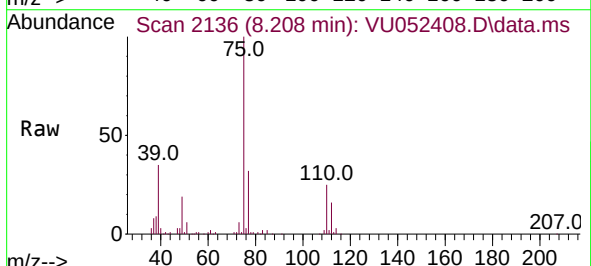
Acq: 14 Dec 2022 18:18

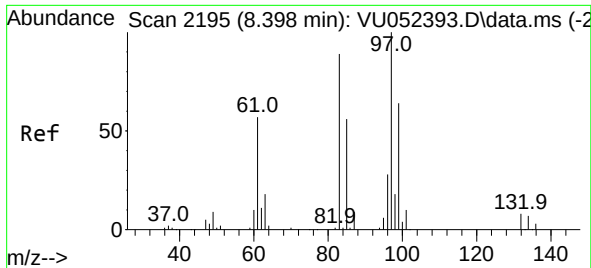
Tgt Ion: 75 Resp: 116178

Ion Ratio Lower Upper

75 100

77 31.8 22.6 42.0

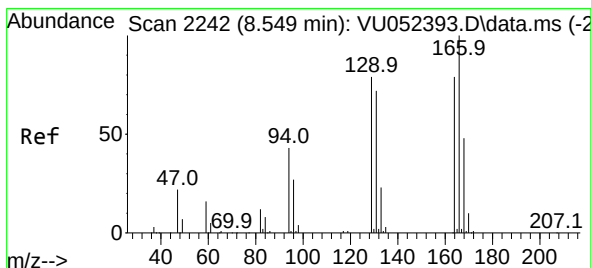
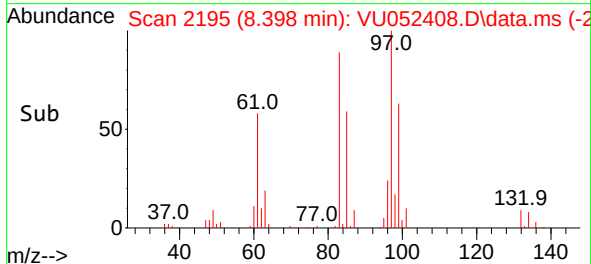
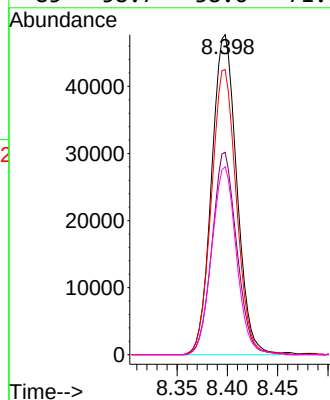
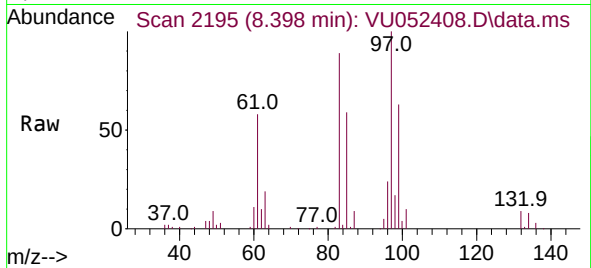




#45
1,1,2-Trichloroethane
Concen: 4.980 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

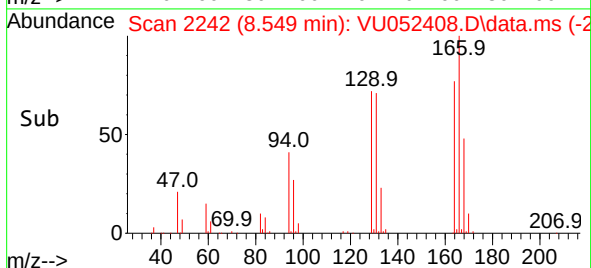
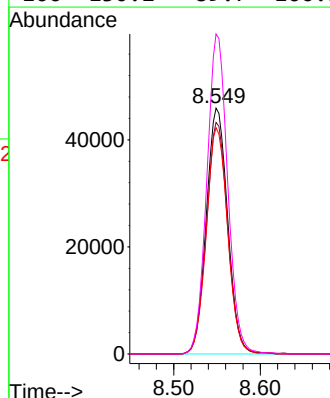
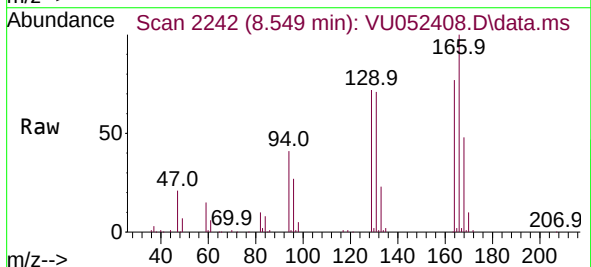
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

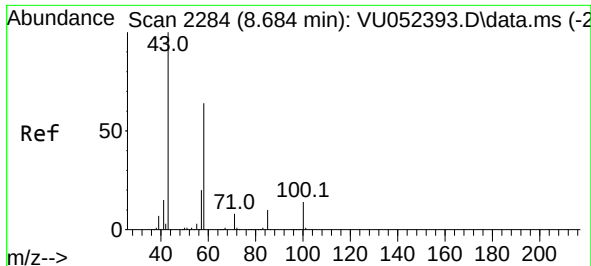
Tgt Ion:	97	Resp:	82897
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.6	79.2
83	89.1	60.7	112.7
85	58.7	38.6	71.6



#47
Tetrachloroethene
Concen: 4.819 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion:	164	Resp:	78811
Ion	Ratio	Lower	Upper
164	100		
129	94.2	67.4	125.2
131	92.1	67.1	124.7
166	130.2	89.7	166.5

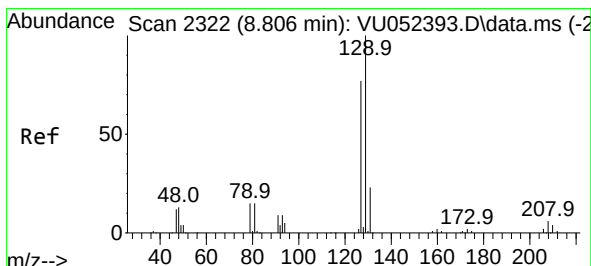
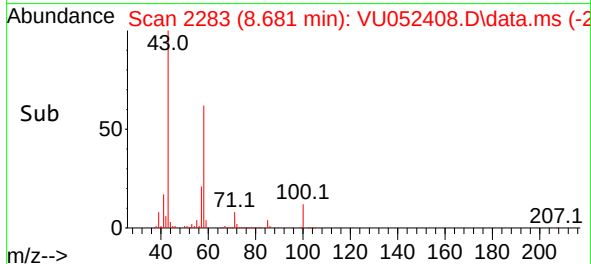
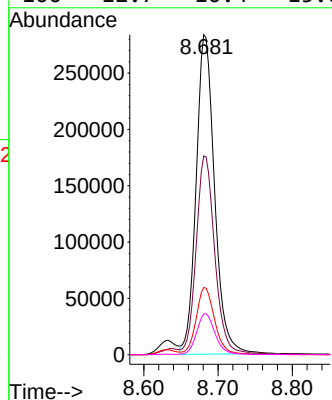
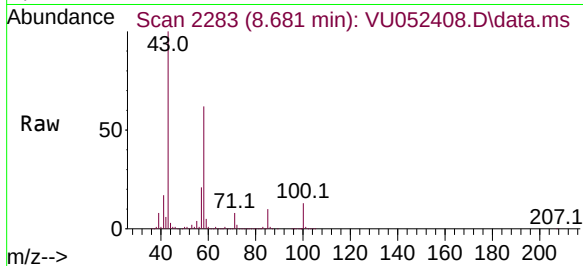




#48
2-Hexanone
Concen: 57.989 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

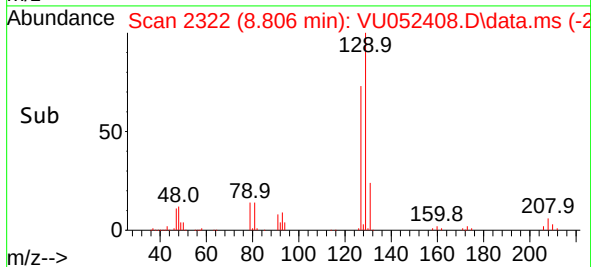
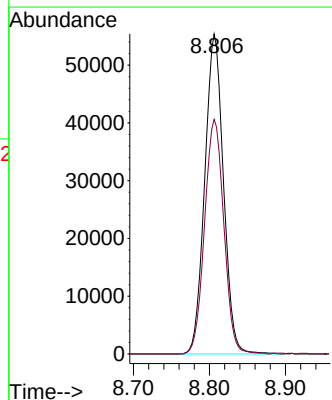
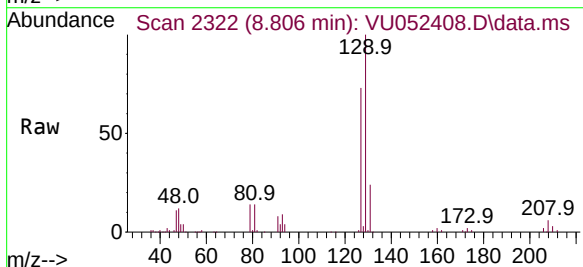
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

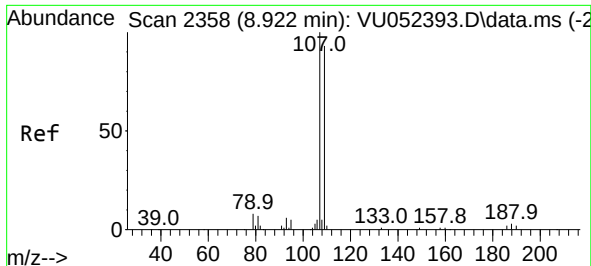
Tgt Ion: 43 Resp: 491921
Ion Ratio Lower Upper
43 100
58 62.8 49.4 74.0
57 21.0 16.3 24.5
100 12.7 10.4 15.6



#49
Dibromochloromethane
Concen: 5.080 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion: 129 Resp: 94709
Ion Ratio Lower Upper
129 100
127 73.3 52.8 98.2

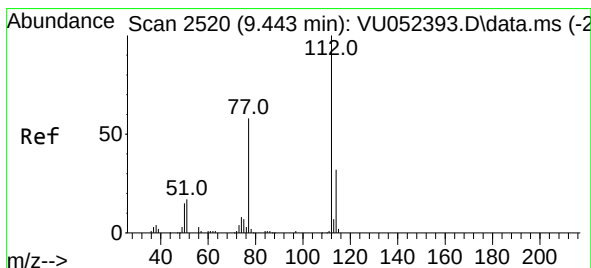
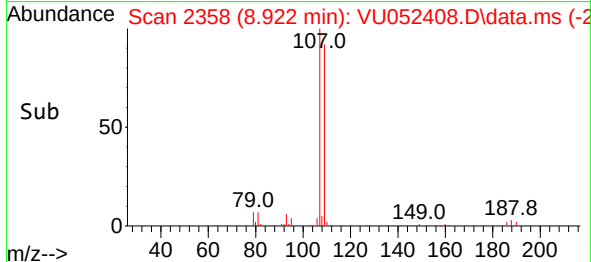
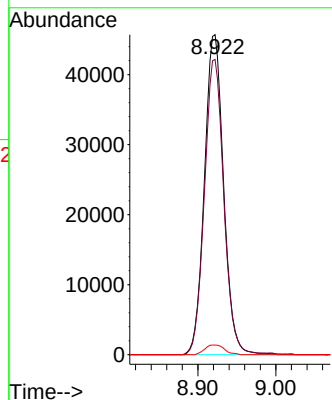
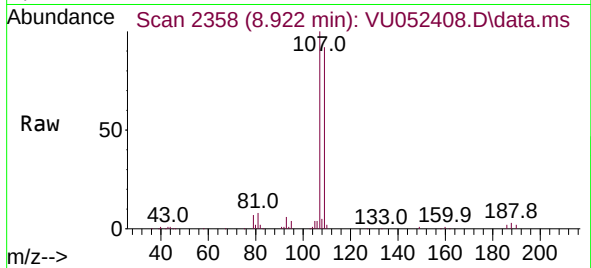




#50
1,2-Dibromoethane
Concen: 5.154 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

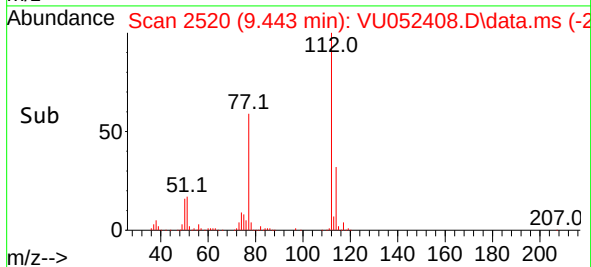
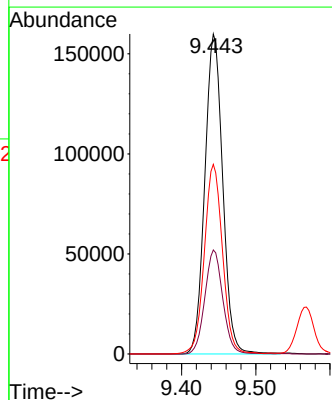
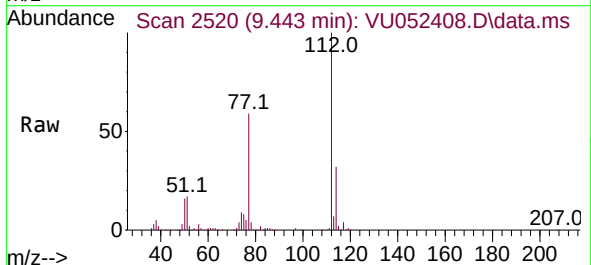
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

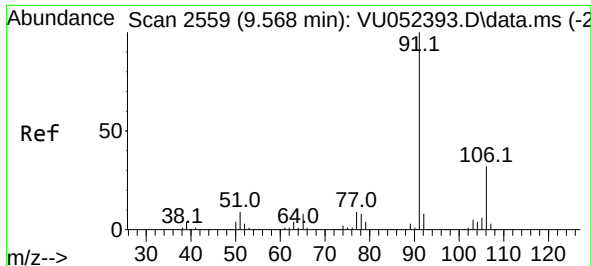
Tgt Ion:107 Resp: 78147
Ion Ratio Lower Upper
107 100
109 92.2 64.9 120.5
188 3.0 2.6 4.0



#51
Chlorobenzene
Concen: 4.765 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion:112 Resp: 267345
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 59.2 46.6 70.0

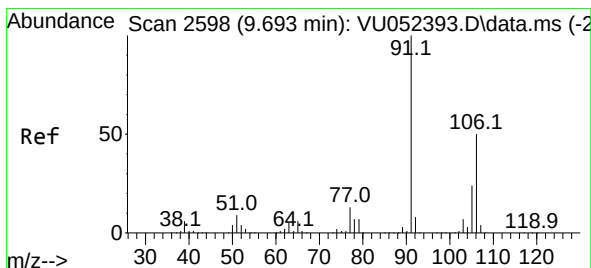
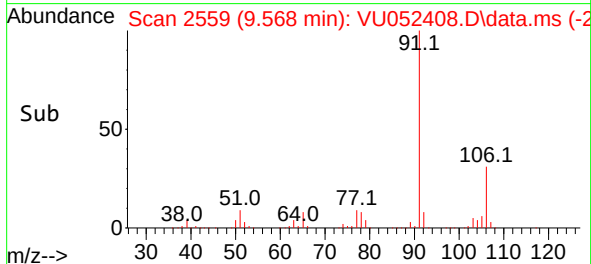
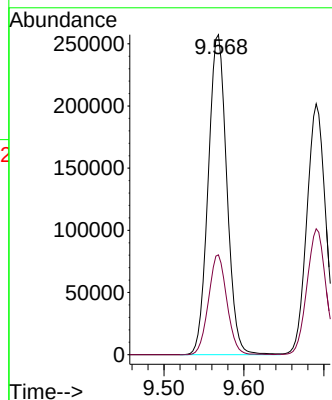
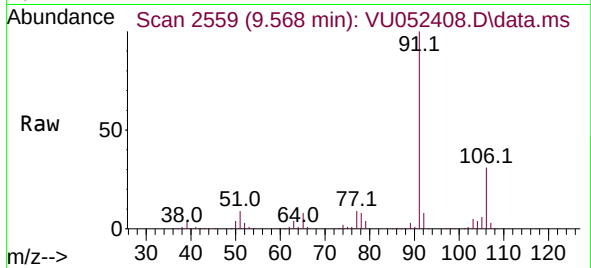




#52
Ethylbenzene
Concen: 4.865 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

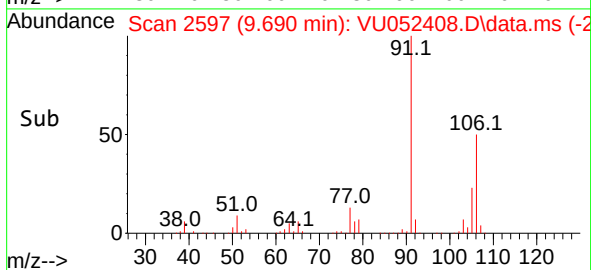
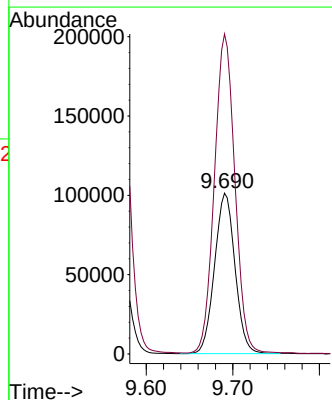
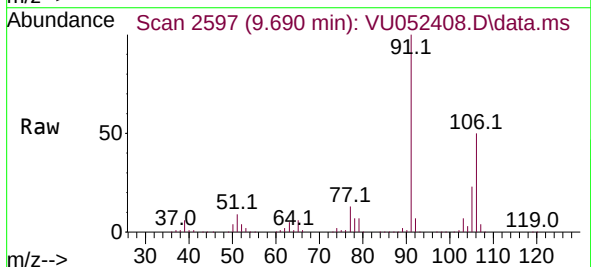
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

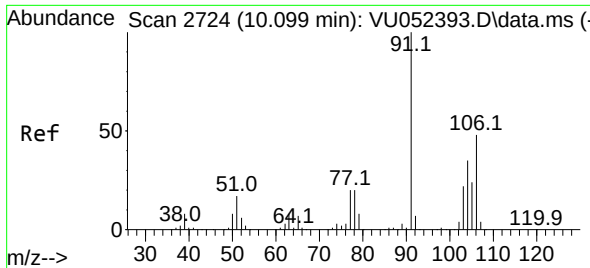
Tgt Ion: 91 Resp: 416241
Ion Ratio Lower Upper
91 100
106 31.2 22.3 41.3



#53
m,p-Xylene
Concen: 5.008 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion: 106 Resp: 165911
Ion Ratio Lower Upper
106 100
91 199.1 137.7 255.7

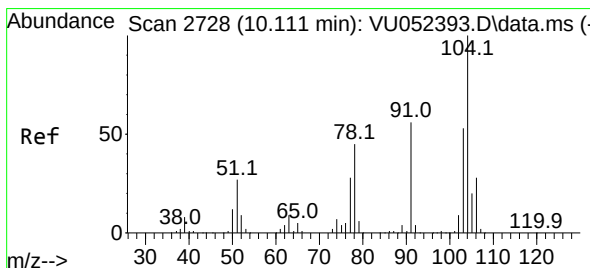
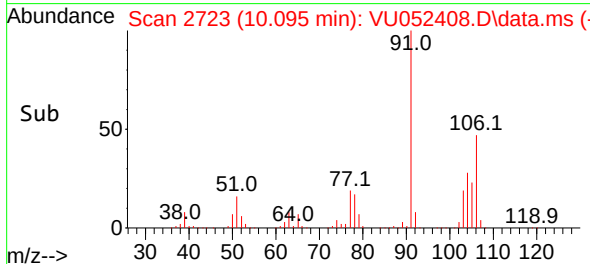
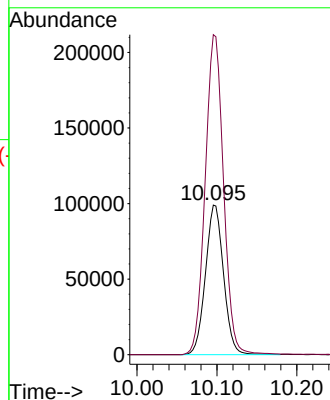
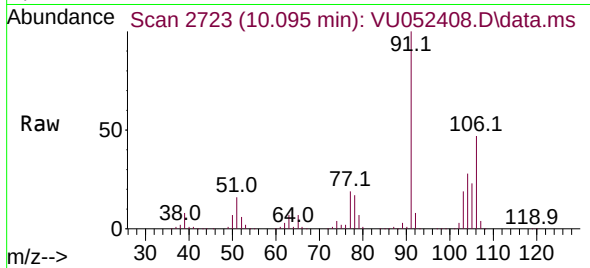




#54
o-Xylene
Concen: 4.907 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

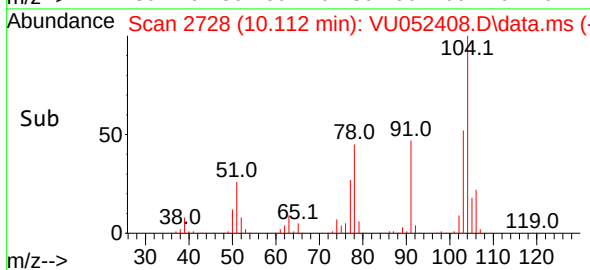
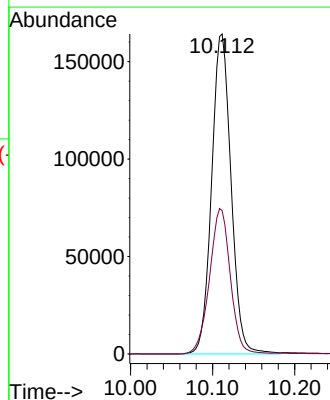
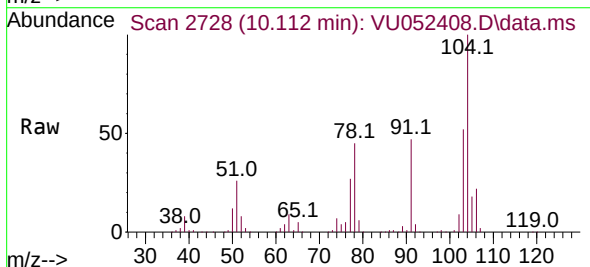
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

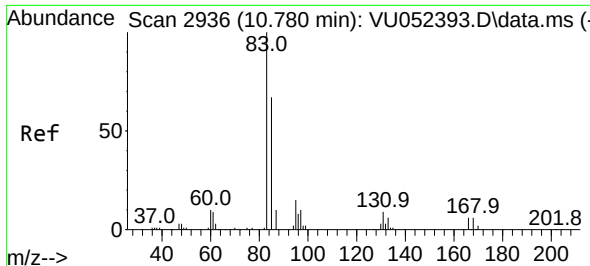
Tgt Ion:106 Resp: 155823
Ion Ratio Lower Upper
106 100
91 213.9 151.5 281.5



#55
Styrene
Concen: 5.041 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion:104 Resp: 270366
Ion Ratio Lower Upper
104 100
78 44.8 30.6 56.8

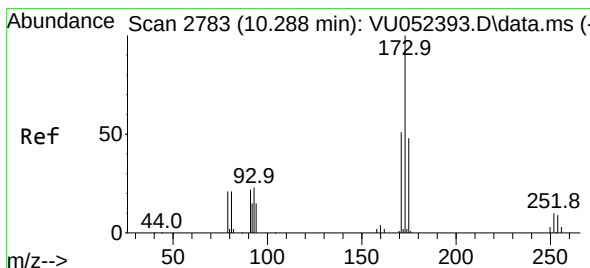
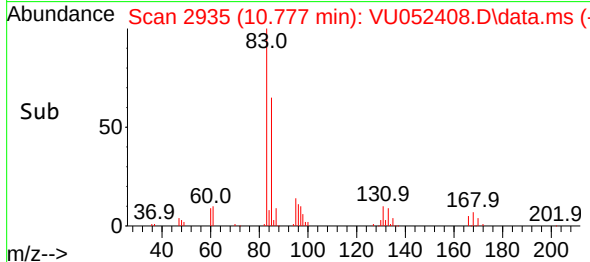
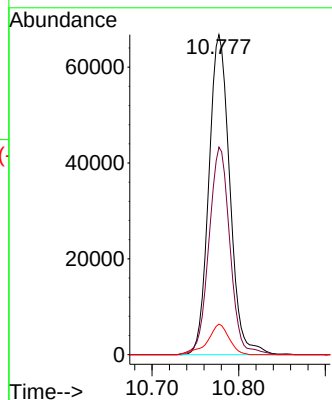
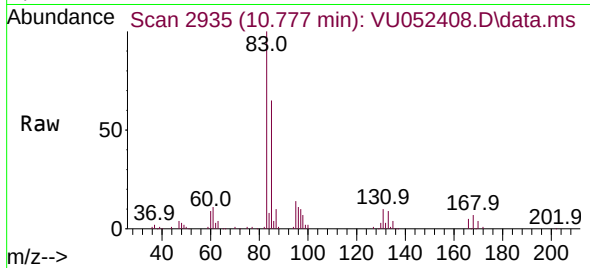




#57
1,1,2,2-Tetrachloroethane
Concen: 5.395 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.003 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

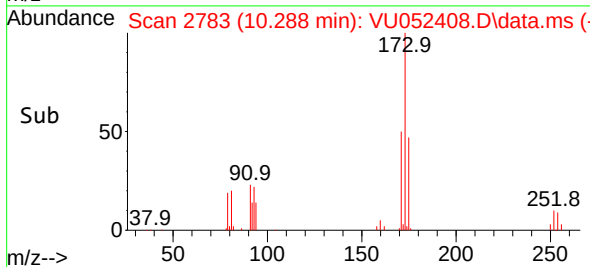
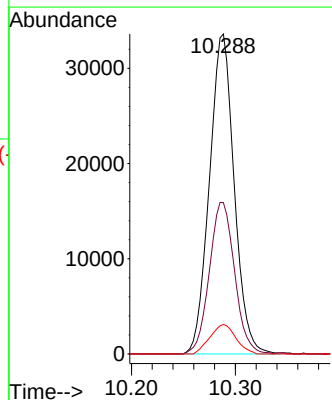
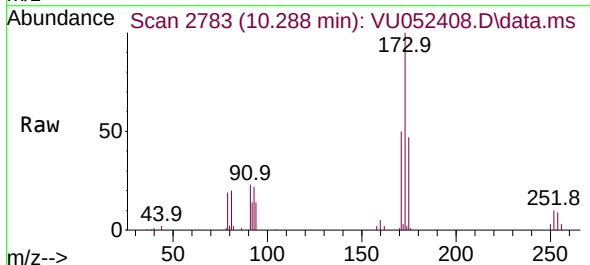
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

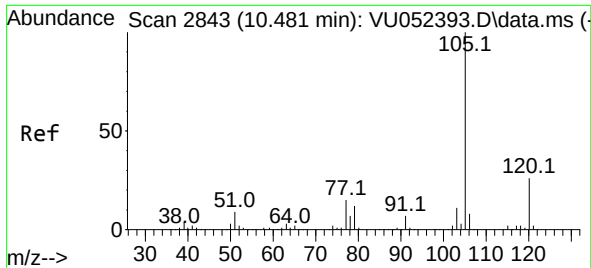
Tgt Ion: 83 Resp: 112179
Ion Ratio Lower Upper
83 100
85 64.9 45.7 84.9
131 9.5 7.6 11.4



#59
Bromoform
Concen: 4.753 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion:173 Resp: 55692
Ion Ratio Lower Upper
173 100
175 48.2 37.2 55.8
254 9.6 7.0 10.6

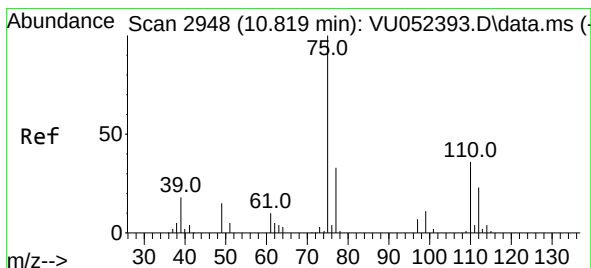
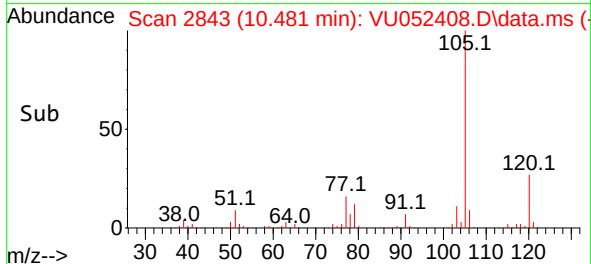
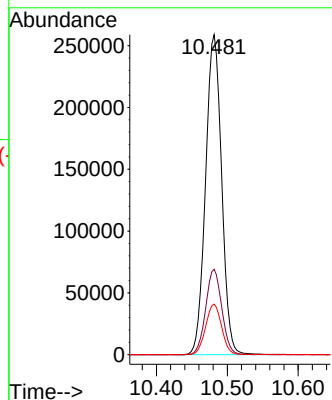
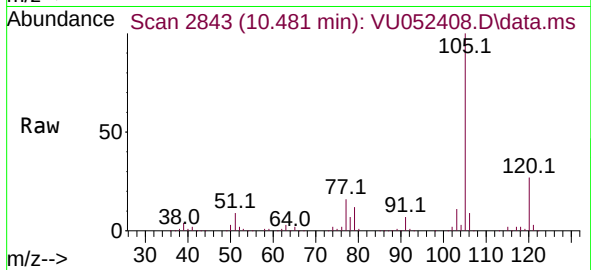




#60
Isopropylbenzene
Concen: 4.560 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

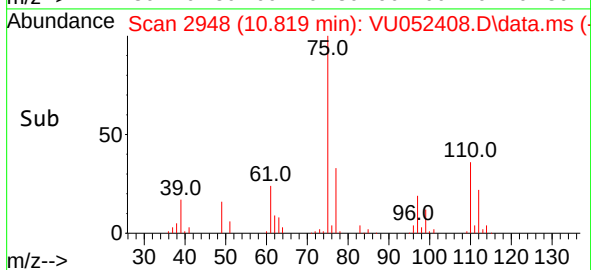
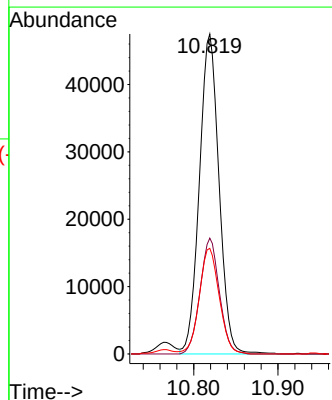
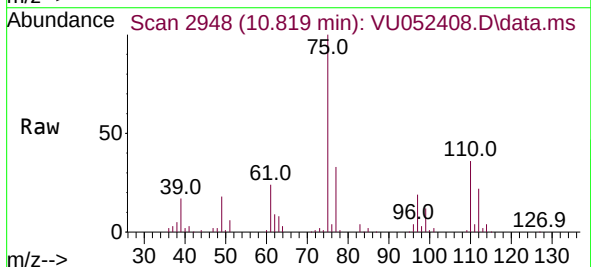
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

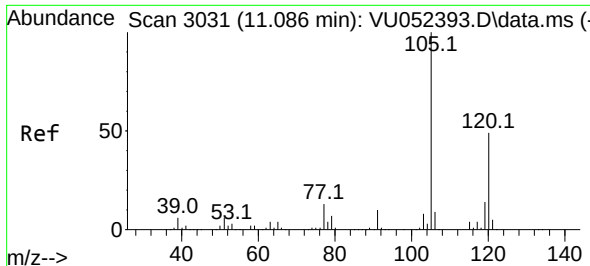
Tgt Ion:105 Resp: 407449
Ion Ratio Lower Upper
105 100
120 26.7 21.0 31.6
77 15.8 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 4.729 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion: 75 Resp: 76993
Ion Ratio Lower Upper
75 100
110 35.7 28.3 42.5
77 33.8 26.2 39.2

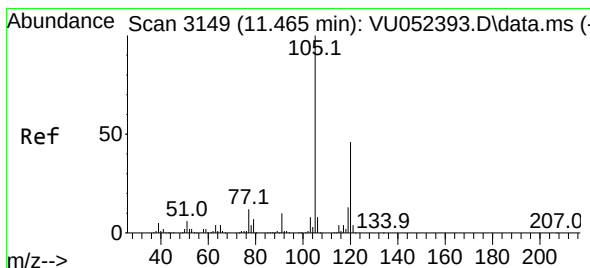
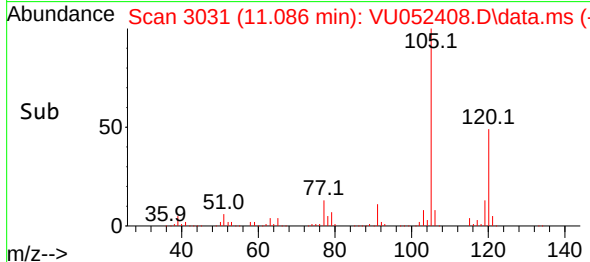
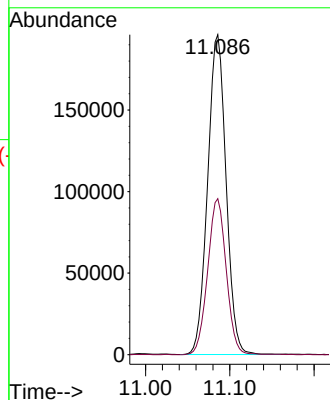
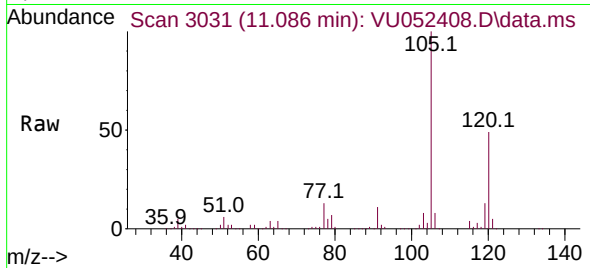




#62
1,3,5-Trimethylbenzene
Concen: 4.179 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

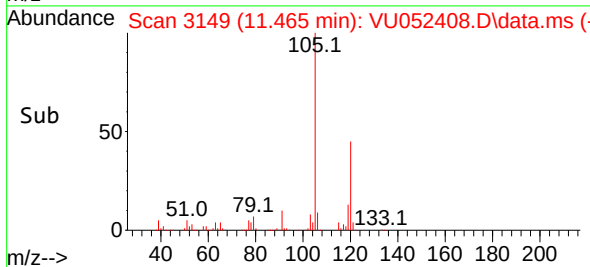
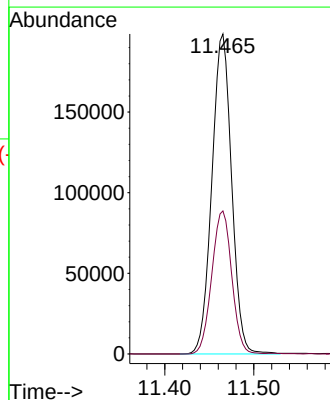
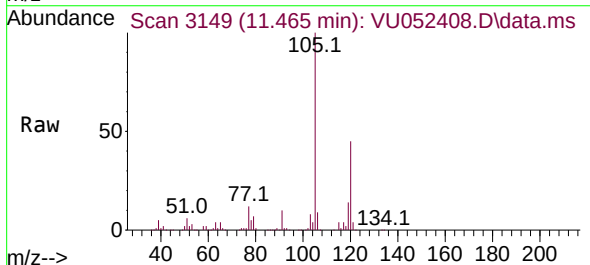
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

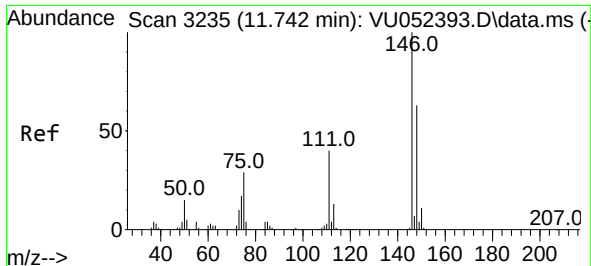
Tgt Ion:105 Resp: 298519
Ion Ratio Lower Upper
105 100
120 49.1 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 4.307 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion:105 Resp: 305358
Ion Ratio Lower Upper
105 100
120 45.1 36.6 55.0

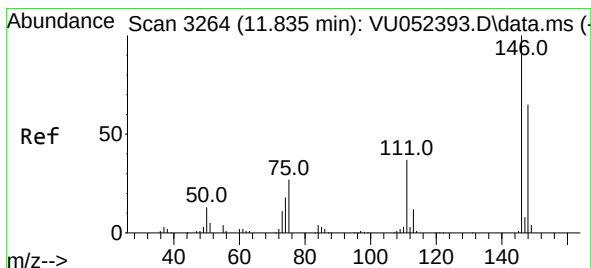
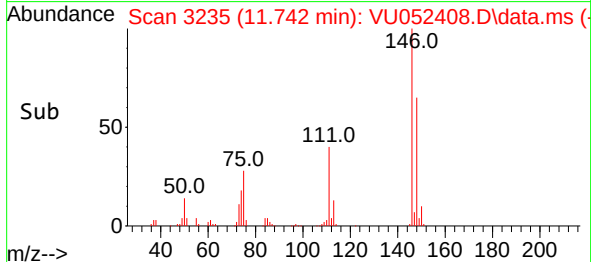
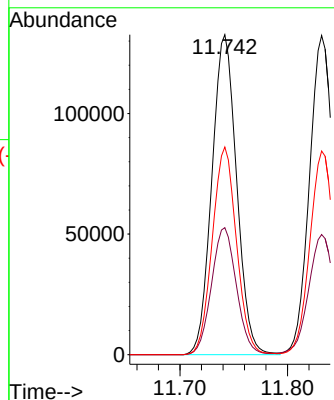
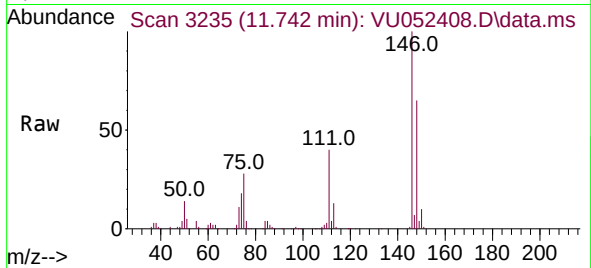




#64
1,3-Dichlorobenzene
Concen: 4.646 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

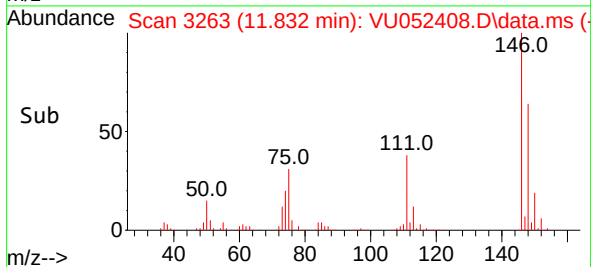
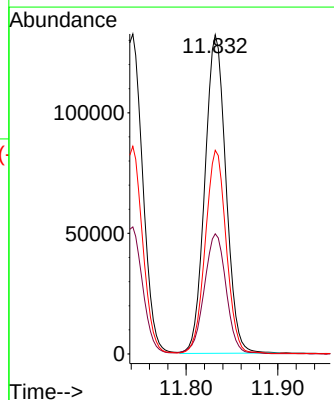
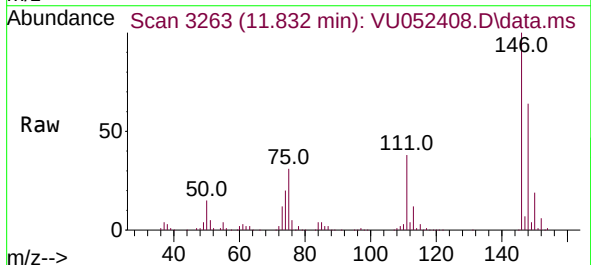
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

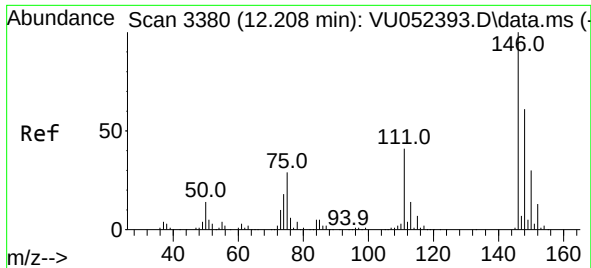
Tgt Ion:146 Resp: 211958
Ion Ratio Lower Upper
146 100
111 39.7 28.6 53.2
148 64.9 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 4.633 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion:146 Resp: 210799
Ion Ratio Lower Upper
146 100
111 37.7 26.9 50.1
148 63.8 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 4.586 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

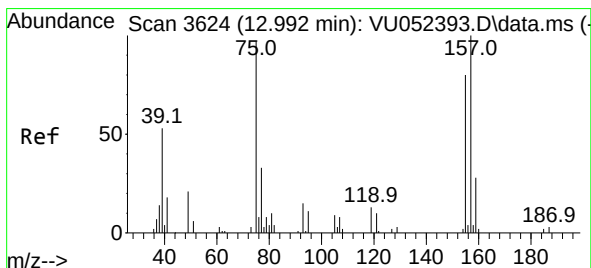
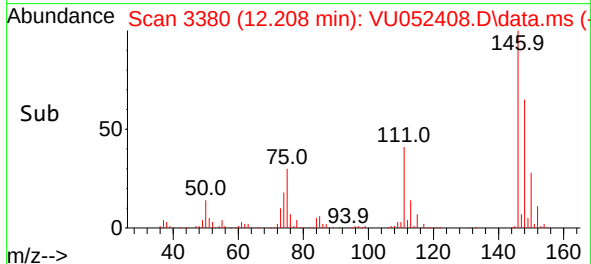
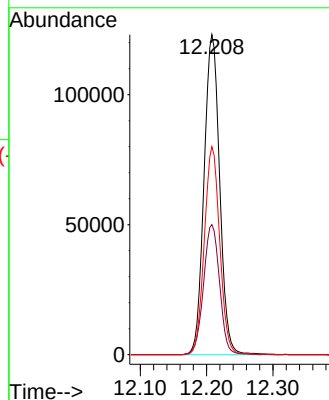
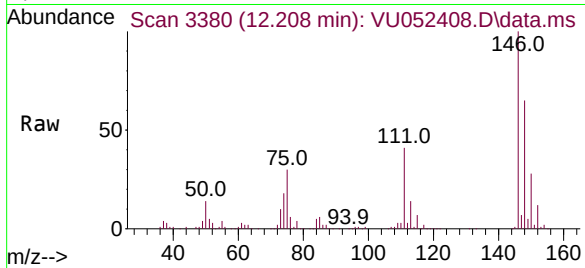
Tgt Ion:146 Resp: 201474

Ion Ratio Lower Upper

146 100

111 40.7 32.7 49.1

148 65.0 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.469 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052408.D

Acq: 14 Dec 2022 18:18

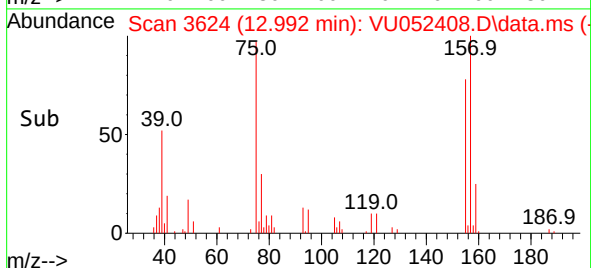
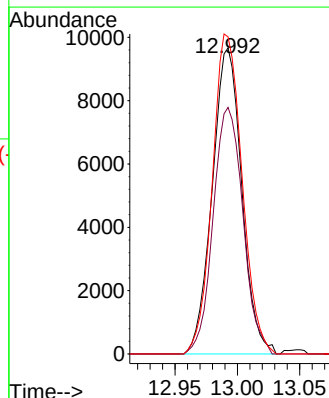
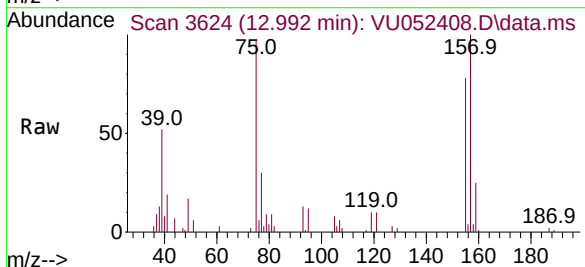
Tgt Ion: 75 Resp: 15921

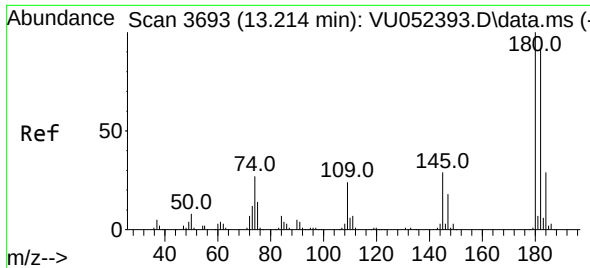
Ion Ratio Lower Upper

75 100

155 80.6 65.4 98.2

157 103.6 80.5 120.7



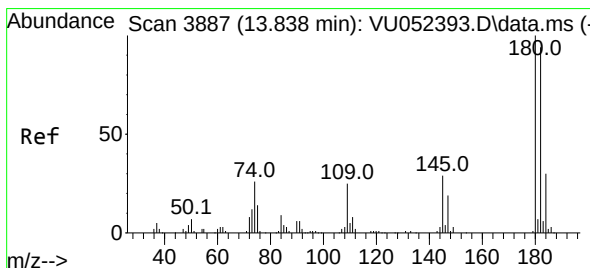
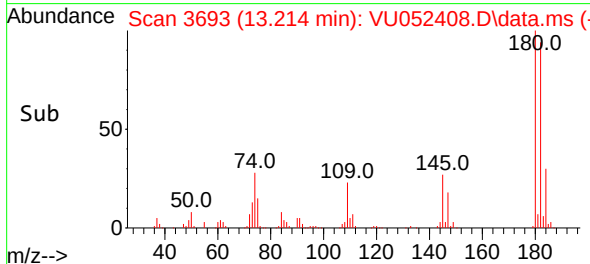
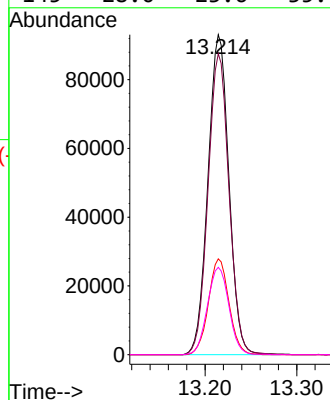
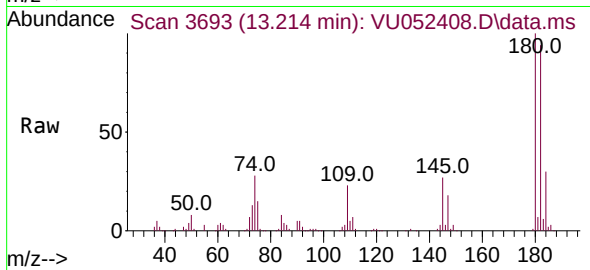


#69
 1,3,5-Trichlorobenzene
 Concen: 4.554 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052408.D
 Acq: 14 Dec 2022 18:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Tgt Ion:180 Resp: 147319

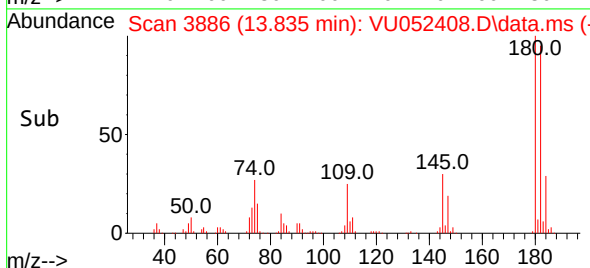
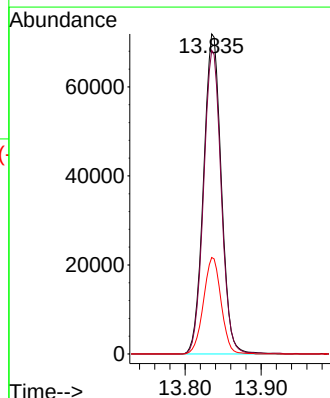
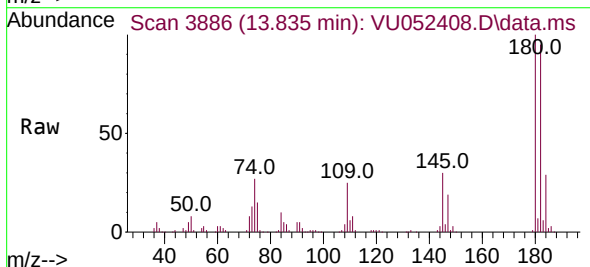
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.7	113.5
184	29.5	24.3	36.5
145	28.0	23.6	35.4

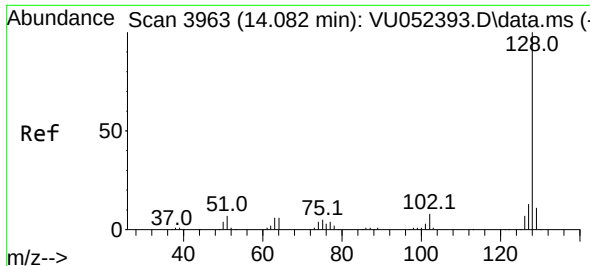


#70
 1,2,4-trichlorobenzene
 Concen: 4.733 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.003 min
 Lab File: VU052408.D
 Acq: 14 Dec 2022 18:18

Tgt Ion:180 Resp: 116594

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.3	114.5
145	29.9	24.6	36.8

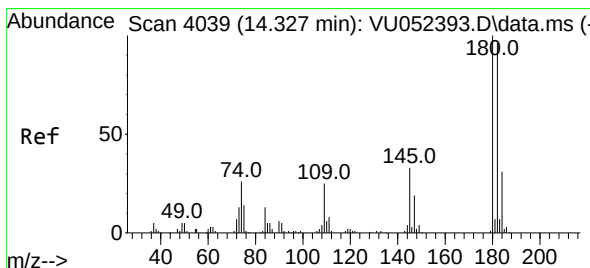
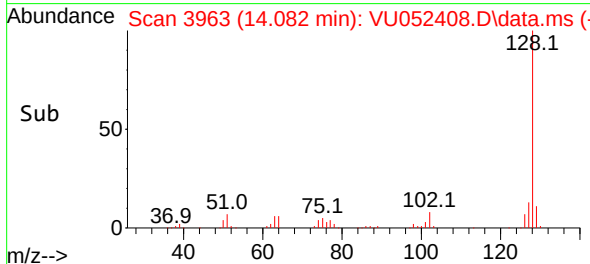
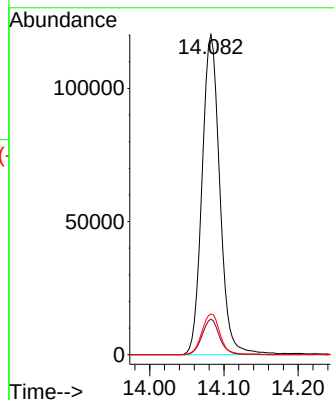
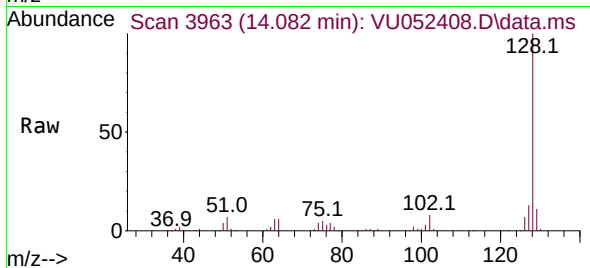




#71
Naphthalene
Concen: 4.319 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

Tgt Ion:128 Resp: 199778
Ion Ratio Lower Upper
128 100
129 10.9 8.3 12.5
127 13.1 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.736 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052408.D
Acq: 14 Dec 2022 18:18

Tgt Ion:180 Resp: 114800
Ion Ratio Lower Upper
180 100
182 94.4 75.7 113.5
145 32.2 24.5 36.7

