

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120922\
 Data File : VU052340.D
 Acq On : 10 Dec 2022 07:07
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005102

Quant Time: Dec 10 07:25:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	240440	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	240831	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	127006	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	76976	3.291	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.800%
7) Chloroethane-d5	1.916	69	71937	3.960	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.200%
11) 1,1-Dichloroethene-d2	2.568	65	31710	3.783	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	4.642	46	281088	66.305	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.620%#
24) Chloroform-d	5.060	84	164986	4.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.700	65	85153	4.906	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.726	84	323159	4.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.687	67	107494	4.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.896	98	288950	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.176	79	35856	4.447	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.632	63	213860	62.585	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.160%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	103953	5.419	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	111542	4.587	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	95745	4.591	ug/L	98
3) Chloromethane	1.520	50	126023	4.631	ug/L	99
5) Vinyl chloride	1.607	62	130014	4.972	ug/L	98
6) Bromomethane	1.861	94	60704	4.524	ug/L	98
8) Chloroethane	1.938	64	79870	4.912	ug/L	100
9) Trichlorofluoromethane	2.141	101	138952	4.830	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	84147	4.784	ug/L	98
12) 1,1-Dichloroethene	2.581	96	90718	5.201	ug/L	88
13) Acetone	2.665	43	182873	63.525	ug/L	100
14) Carbon disulfide	2.797	76	291170	4.822	ug/L	99
15) Methyl Acetate	2.960	43	46926	6.285	ug/L	99
16) Methylene chloride	3.047	84	122196	5.178	ug/L	100
17) Methyl tert-butyl Ether	3.362	73	222667	5.703	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	98633	5.275	ug/L	94
19) 1,1-Dichloroethane	3.867	63	186318	5.529	ug/L	100
21) 2-Butanone	4.719	43	302638	65.591	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	120883	6.160	ug/L	91
23) Bromochloromethane	4.973	128	52760	5.620	ug/L	96
25) Chloroform	5.086	83	187310	5.486	ug/L	96

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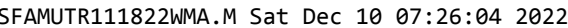
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005102

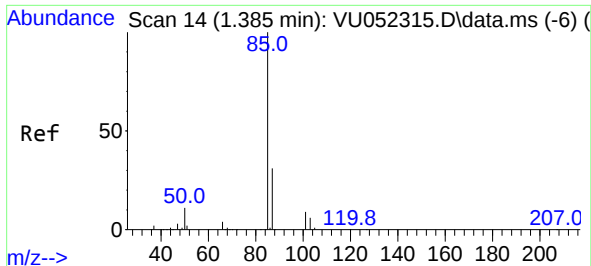
Quant Time: Dec 10 07:25:59 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	117122	5.600	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	140912	5.274	ug/L	98
30) Cyclohexane	5.388	56	135642	5.228	ug/L	96
31) Carbon tetrachloride	5.523	117	114074	5.025	ug/L	99
33) Benzene	5.771	78	433105	5.526	ug/L	100
34) Trichloroethene	6.539	95	102369	5.237	ug/L	96
35) Methylcyclohexane	6.761	83	134588	4.786	ug/L	99
37) 1,2-Dichloropropane	6.787	63	114942	5.664	ug/L	100
38) Bromodichloromethane	7.102	83	135025	5.458	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	129441	4.968	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	705342	66.540	ug/L	100
42) Toluene	7.967	91	461313	5.722	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	113296	5.078	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	89200	5.849	ug/L	99
47) Tetrachloroethene	8.552	164	76232	5.088	ug/L	97
48) 2-Hexanone	8.684	43	541657	69.701	ug/L	99
49) Dibromochloromethane	8.806	129	97567	5.712	ug/L	98
50) 1,2-Dibromoethane	8.918	107	82686	5.953	ug/L	99
51) Chlorobenzene	9.443	112	283763	5.521	ug/L	98
52) Ethylbenzene	9.568	91	439387	5.606	ug/L	100
53) m,p-Xylene	9.690	106	173877	5.729	ug/L	99
54) o-Xylene	10.098	106	171733	5.904	ug/L	94
55) Styrene	10.111	104	297201	6.049	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	117178	6.152	ug/L	97
59) Bromoform	10.285	173	58752	5.616	ug/L	96
60) Isopropylbenzene	10.481	105	424396	5.320	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	80530	5.540	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	330110	5.176	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	340458	5.378	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	223123	5.477	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	221250	5.446	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	215728	5.499	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	16845	5.296	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	157781	5.462	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	129947	5.908	ug/L	99
71) Naphthalene	14.082	128	255396	6.185	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	131501	6.076	ug/L	98

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

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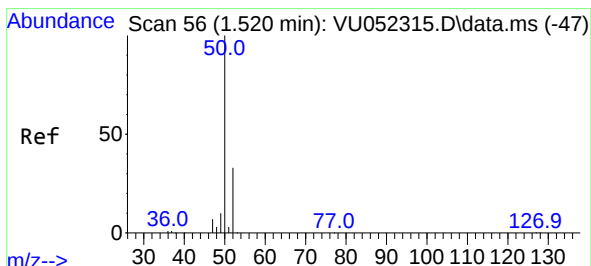
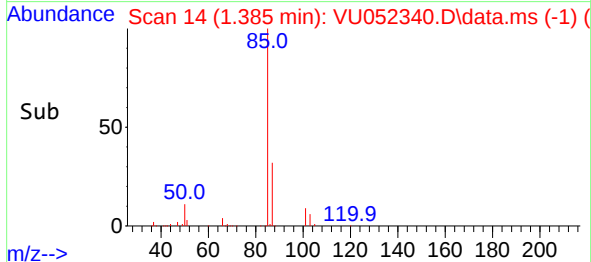
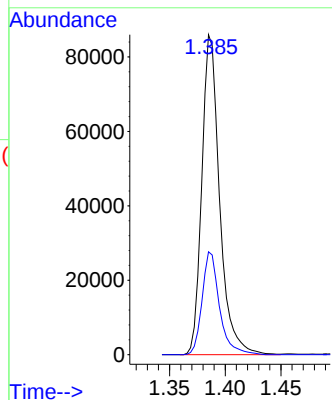
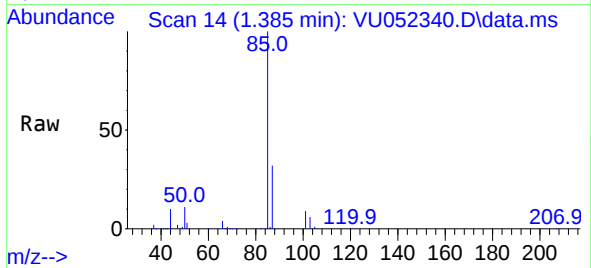




#2
Dichlorodifluoromethane
Concen: 4.591 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

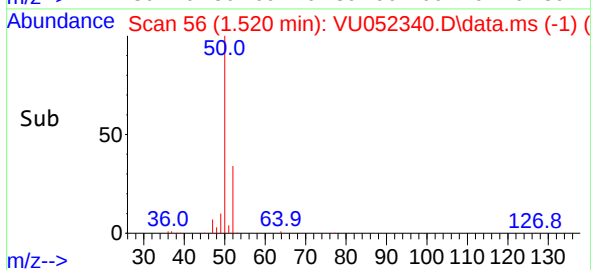
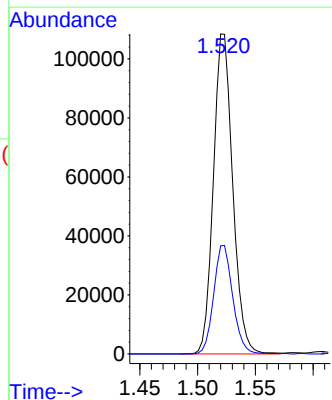
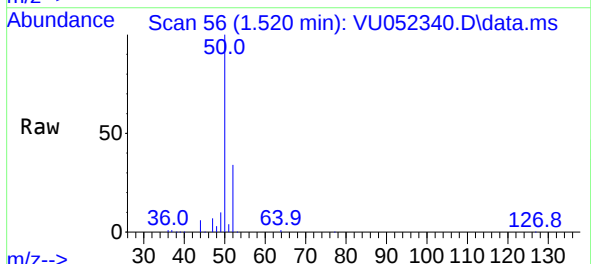
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

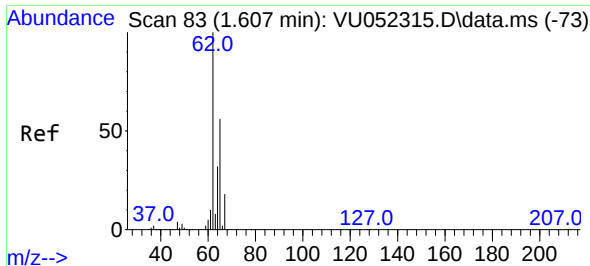
Tgt Ion: 85 Resp: 95745
Ion Ratio Lower Upper
85 100
87 31.4 25.8 38.8



#3
Chloromethane
Concen: 4.631 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 50 Resp: 126023
Ion Ratio Lower Upper
50 100
52 33.8 23.4 43.4

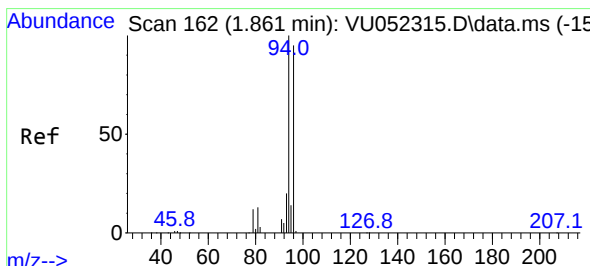
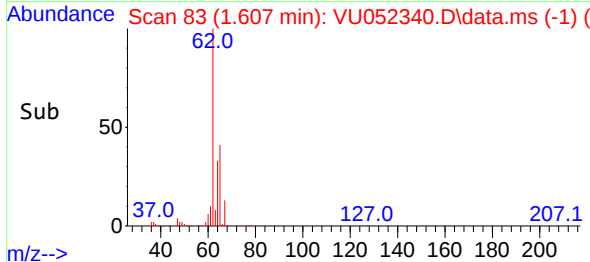
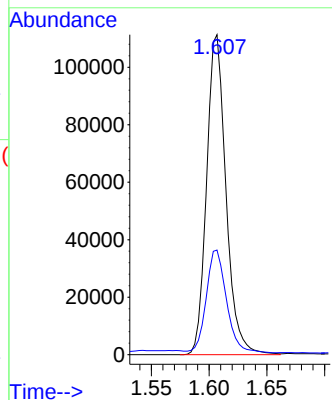
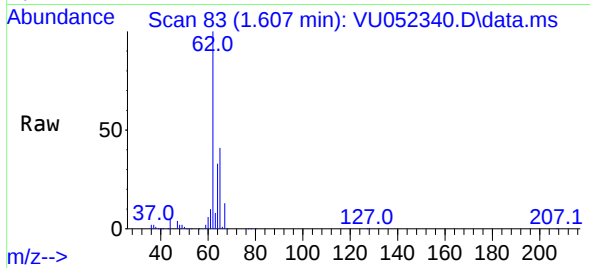




#5
 Vinyl chloride
 Concen: 4.972 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052340.D
 Acq: 10 Dec 2022 07:07

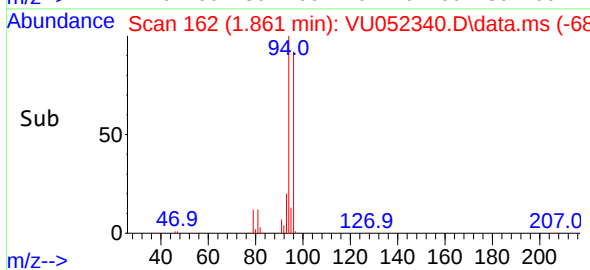
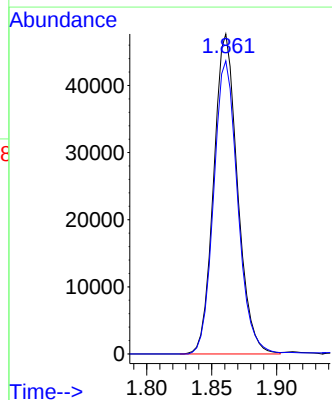
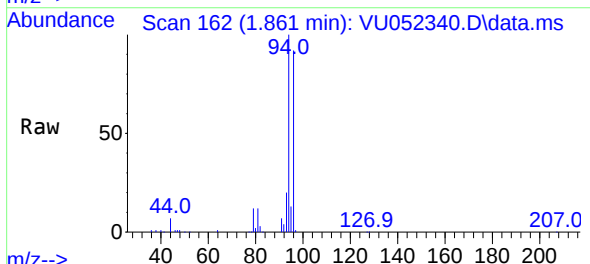
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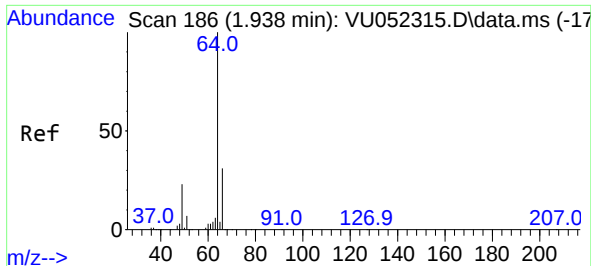
Tgt Ion: 62 Resp: 130014
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.5 43.7



#6
 Bromomethane
 Concen: 4.524 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU052340.D
 Acq: 10 Dec 2022 07:07

Tgt Ion: 94 Resp: 60704
 Ion Ratio Lower Upper
 94 100
 96 91.6 65.7 122.1

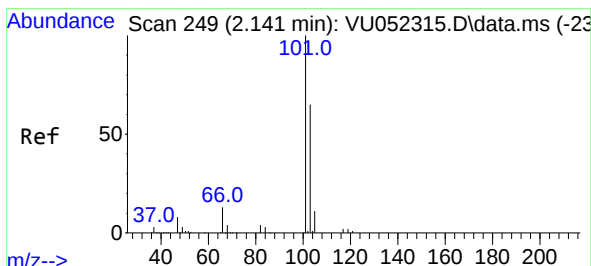
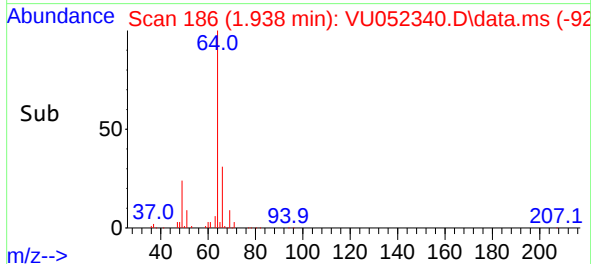
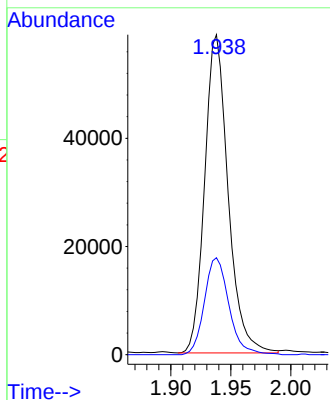
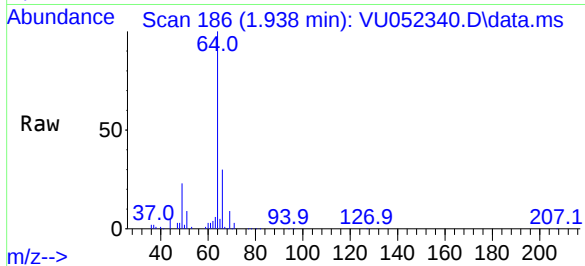




#8
Chloroethane
Concen: 4.912 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

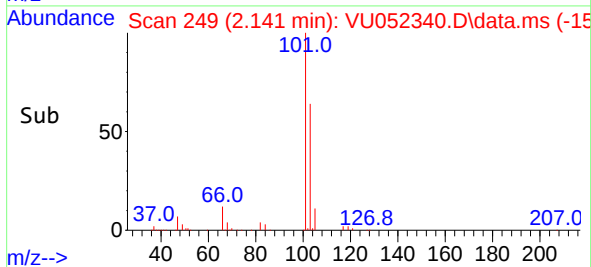
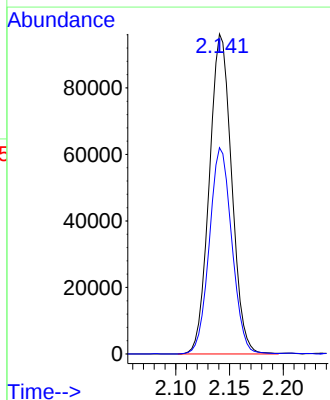
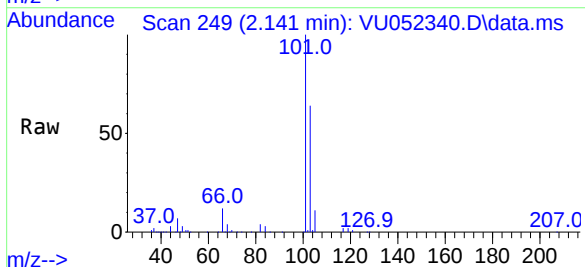
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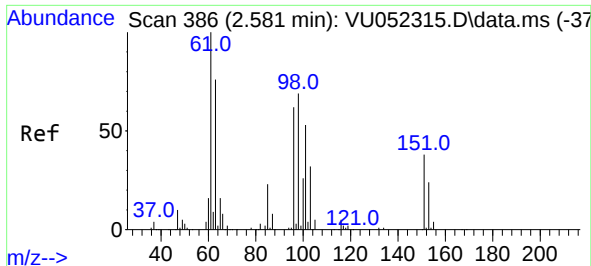
Tgt Ion: 64 Resp: 79870
Ion Ratio Lower Upper
64 100
66 30.3 21.1 39.1



#9
Trichlorofluoromethane
Concen: 4.830 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion:101 Resp: 138952
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4

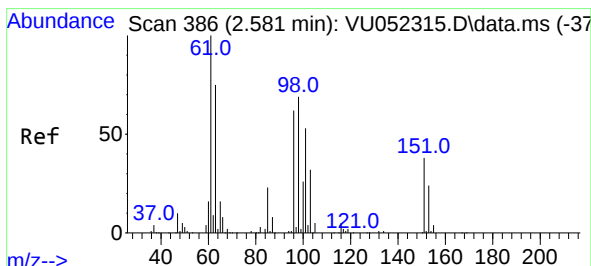
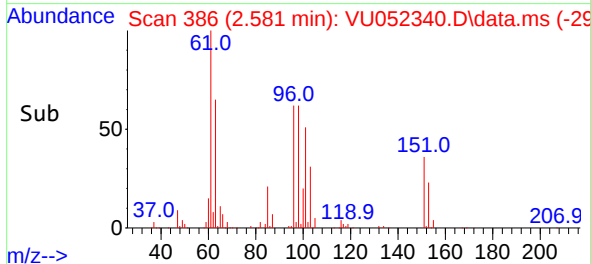
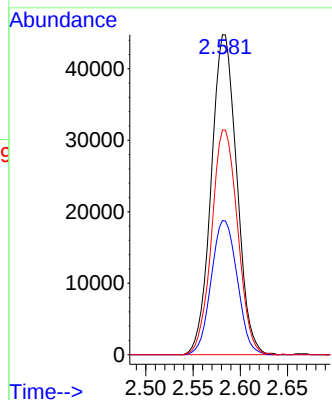
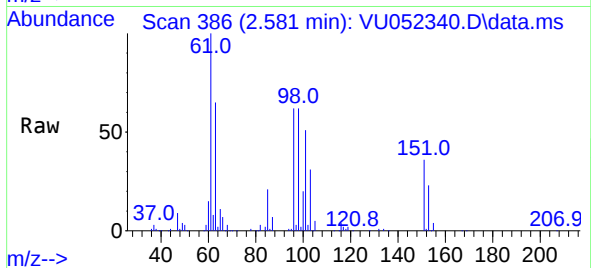




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.784 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

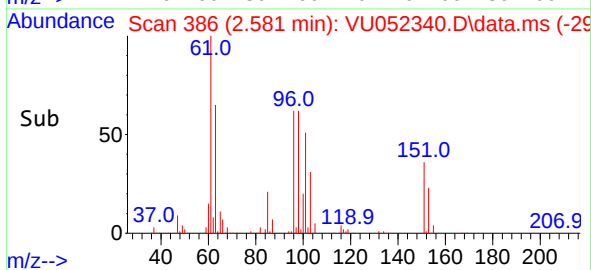
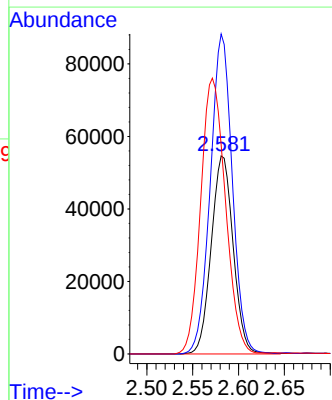
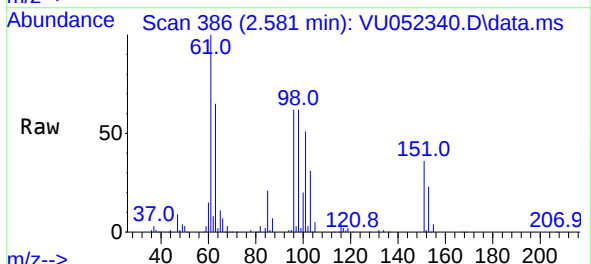
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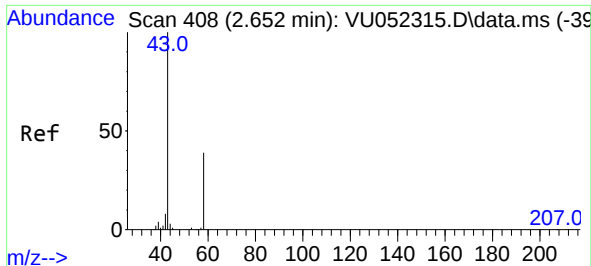
Tgt Ion:101 Resp: 84147
Ion Ratio Lower Upper
101 100
85 42.7 33.8 50.6
151 71.5 58.6 88.0



#12
1,1-Dichloroethene
Concen: 5.201 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 96 Resp: 90718
Ion Ratio Lower Upper
96 100
61 161.6 114.8 213.2
63 105.6 93.7 174.1





#13

Acetone

Concen: 63.525 ug/L

RT: 2.665 min Scan# 412

Delta R.T. 0.019 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

Instrument :

MSVOA_U

ClientSampleId :

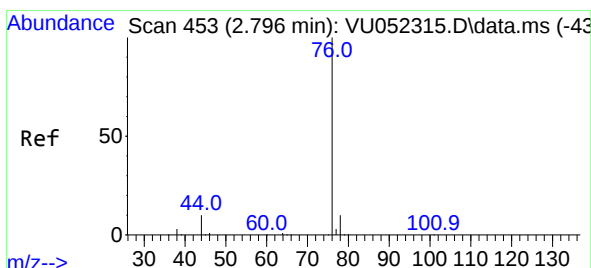
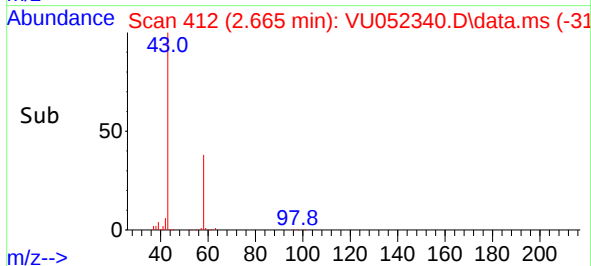
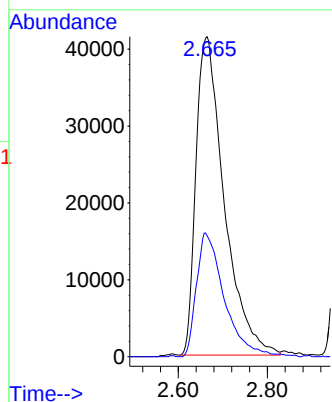
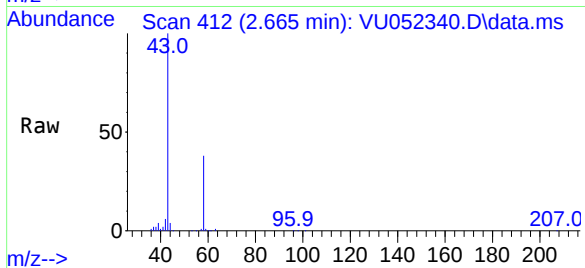
VSTD005102

Tgt Ion: 43 Resp: 182873

Ion Ratio Lower Upper

43 100

58 37.9 0.0 76.0



#14

Carbon disulfide

Concen: 4.822 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052340.D

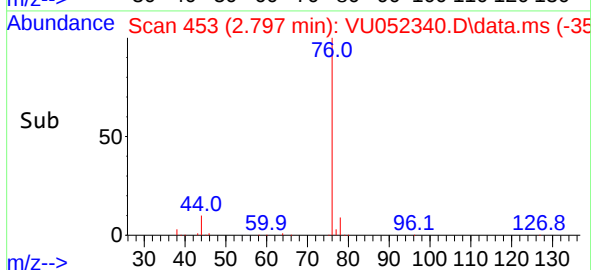
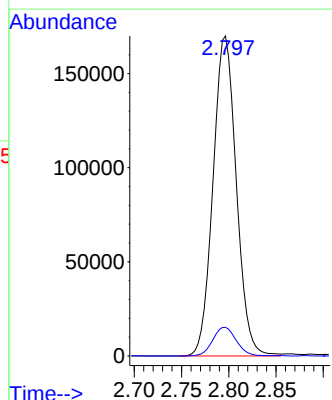
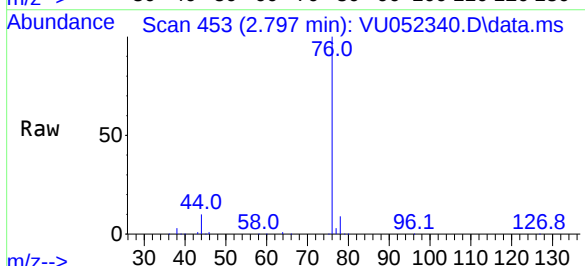
Acq: 10 Dec 2022 07:07

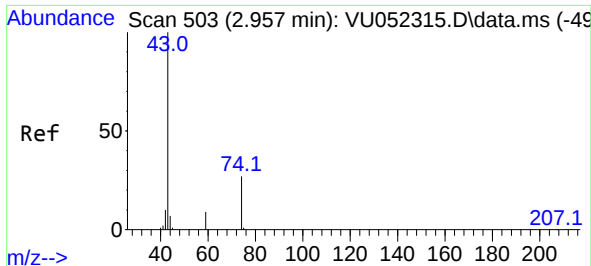
Tgt Ion: 76 Resp: 291170

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

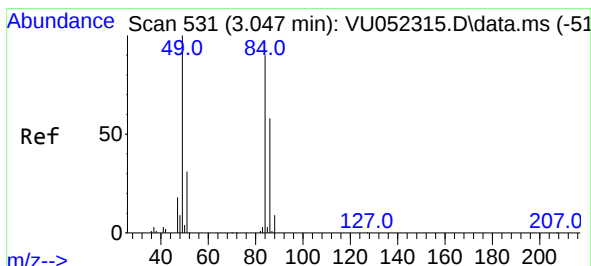
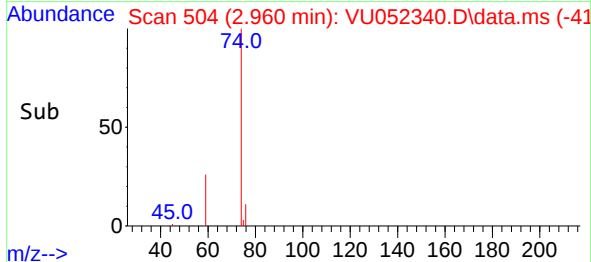
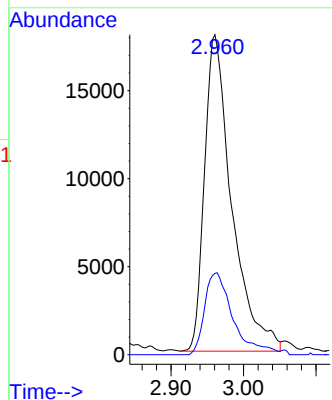
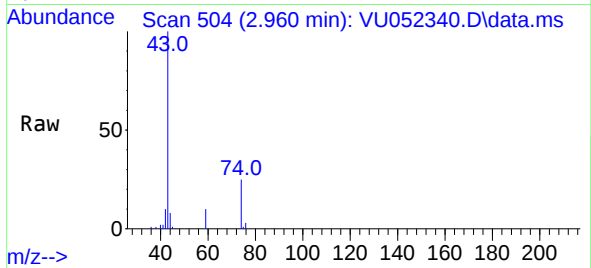




#15
Methyl Acetate
Concen: 6.285 ug/L
RT: 2.960 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

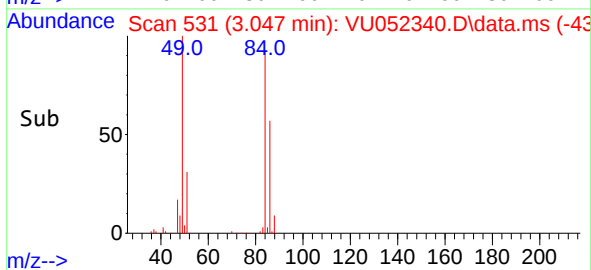
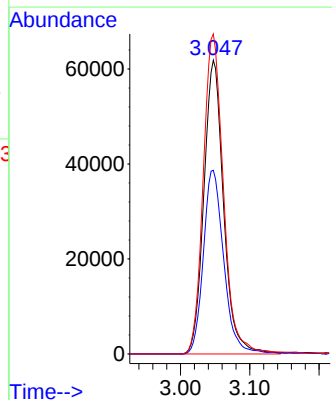
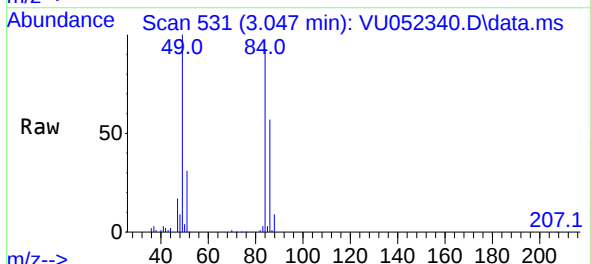
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

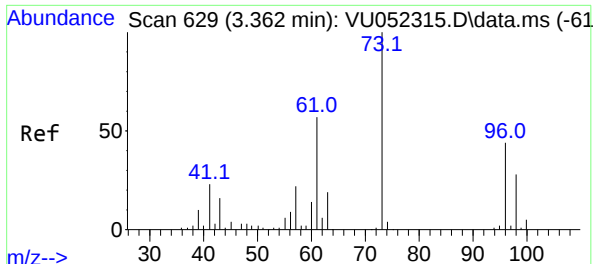
Tgt Ion: 43 Resp: 46926
Ion Ratio Lower Upper
43 100
74 27.0 21.3 31.9



#16
Methylene chloride
Concen: 5.178 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

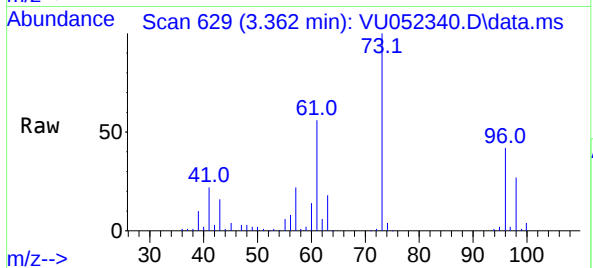
Tgt Ion: 84 Resp: 122196
Ion Ratio Lower Upper
84 100
86 62.5 43.8 81.4
49 108.9 75.9 141.1





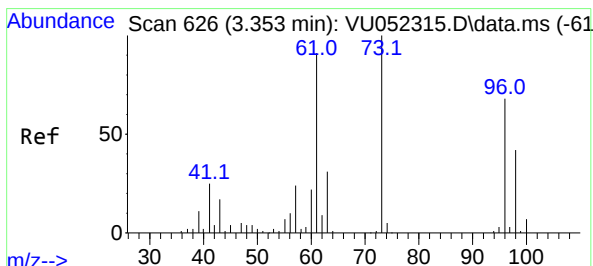
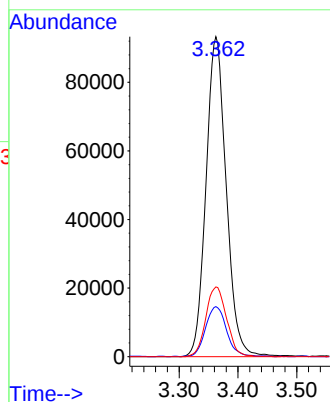
#17
Methyl tert-butyl Ether
Concen: 5.703 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD005102



Tgt Ion: 73 Resp: 222667

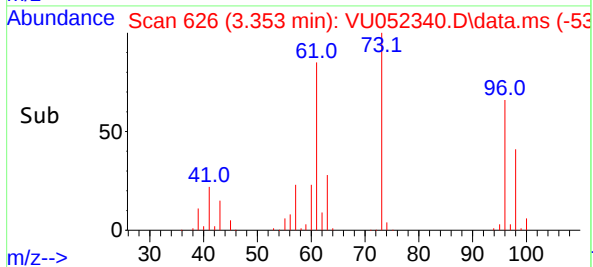
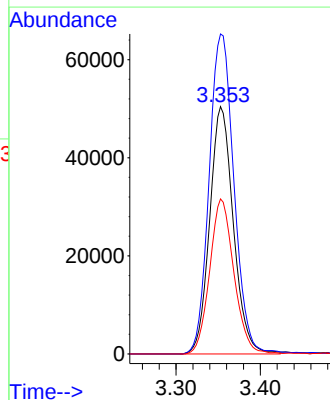
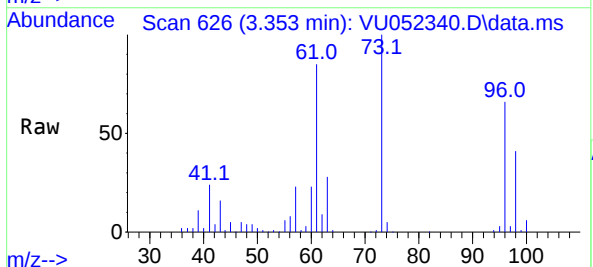
Ion	Ratio	Lower	Upper
73	100		
43	16.4	13.2	19.8
57	22.5	17.8	26.8

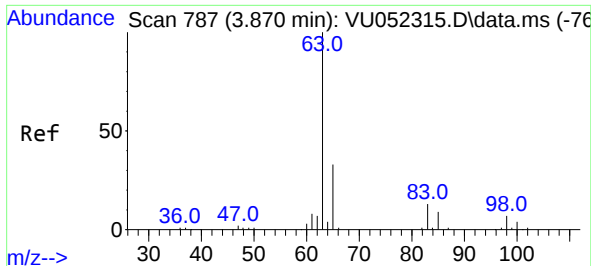


#18
trans-1,2-Dichloroethene
Concen: 5.275 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 96 Resp: 98633

Ion	Ratio	Lower	Upper
96	100		
61	129.3	97.9	181.7
98	62.7	43.8	81.3

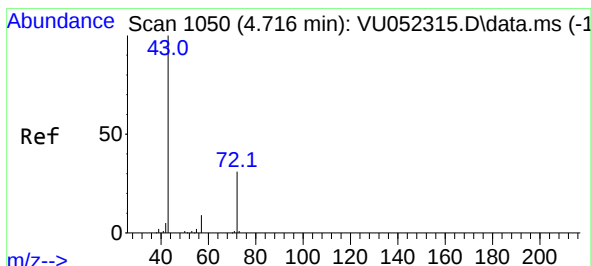
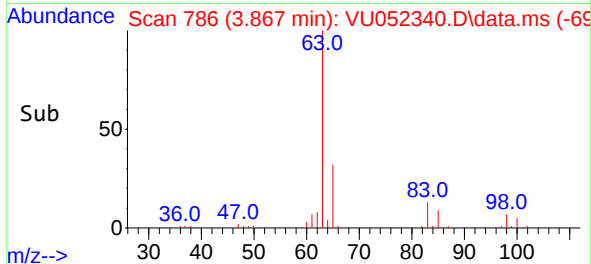
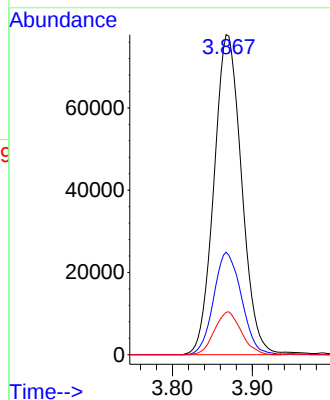
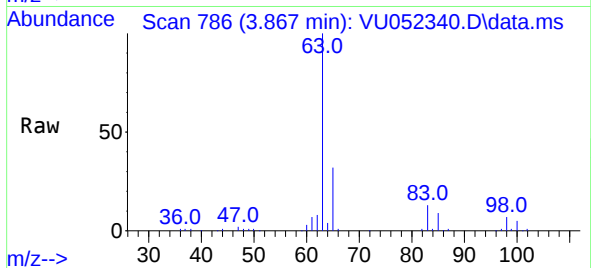




#19
1,1-Dichloroethane
Concen: 5.529 ug/L
RT: 3.867 min Scan# 787
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

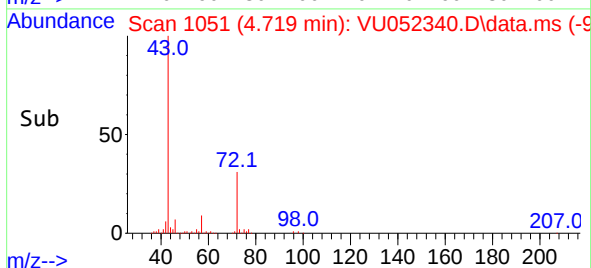
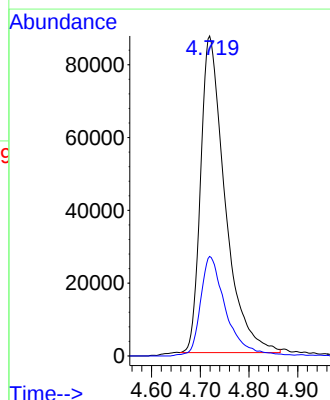
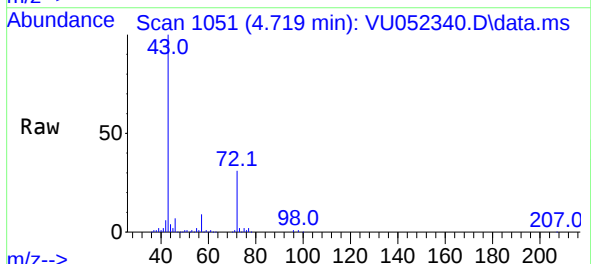
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

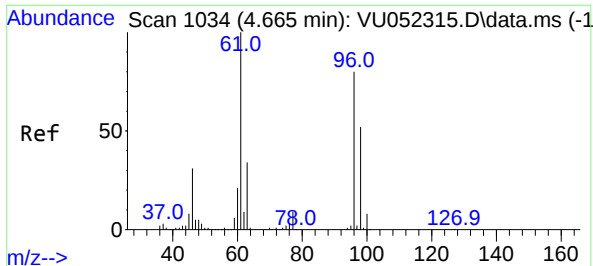
Tgt Ion: 63 Resp: 186318
Ion Ratio Lower Upper
63 100
65 32.0 22.2 41.2
83 13.3 9.2 17.0



#21
2-Butanone
Concen: 65.591 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 43 Resp: 302638
Ion Ratio Lower Upper
43 100
72 32.6 15.6 46.8



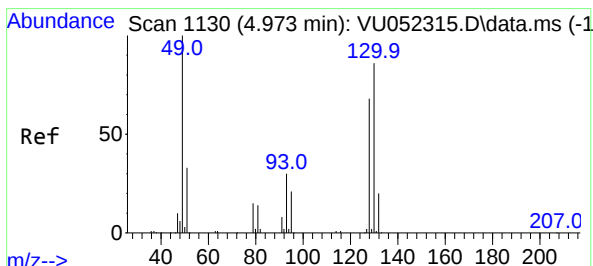
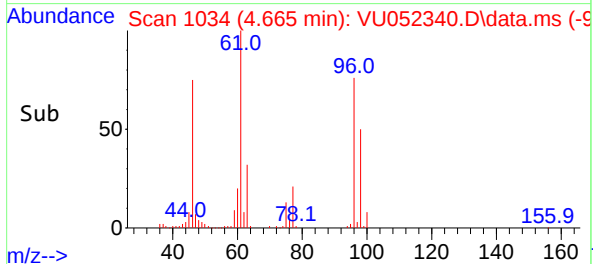
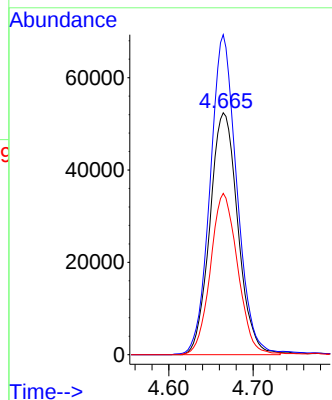
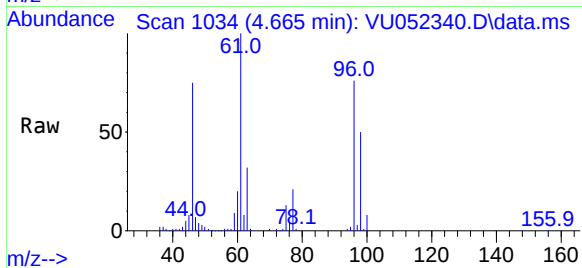


#22
 cis-1,2-Dichloroethene
 Concen: 6.160 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU052340.D
 Acq: 10 Dec 2022 07:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005102

Tgt Ion: 96 Resp: 120883

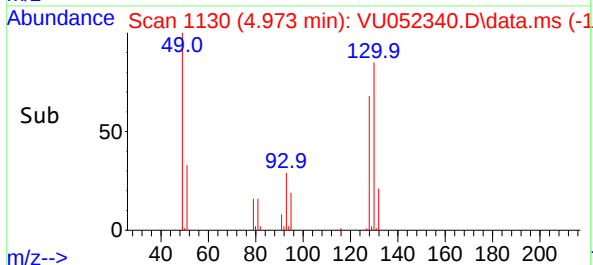
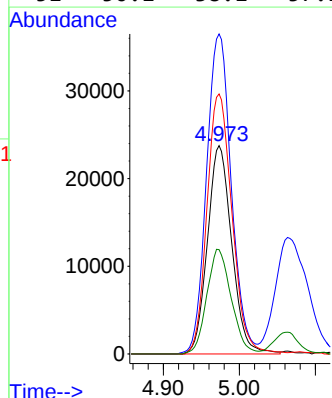
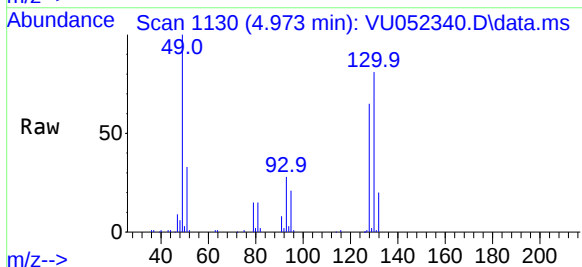
Ion	Ratio	Lower	Upper
96	100		
61	132.3	85.1	158.1
98	66.7	42.8	79.6

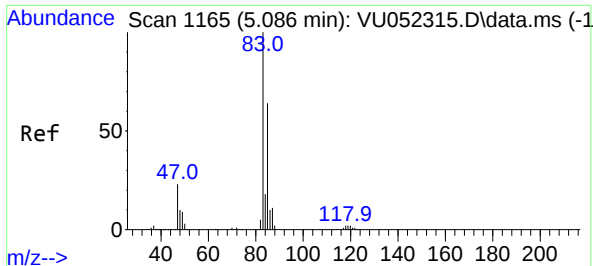


#23
 Bromochloromethane
 Concen: 5.620 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU052340.D
 Acq: 10 Dec 2022 07:07

Tgt Ion: 128 Resp: 52760

Ion	Ratio	Lower	Upper
128	100		
49	153.7	104.0	193.2
130	124.9	84.6	157.2
51	50.1	38.1	57.1





#25

Chloroform

Concen: 5.486 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

Instrument :

MSVOA_U

ClientSampleId :

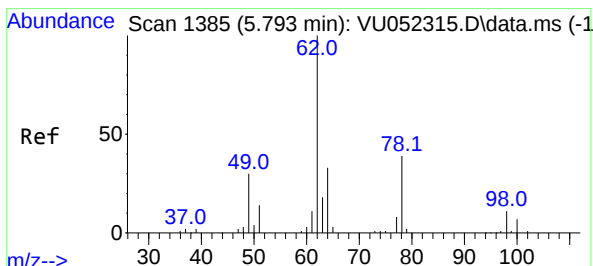
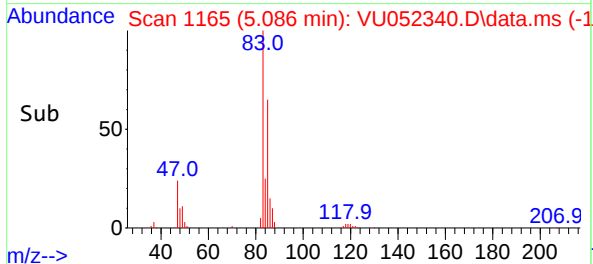
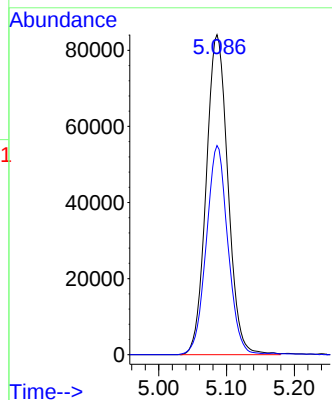
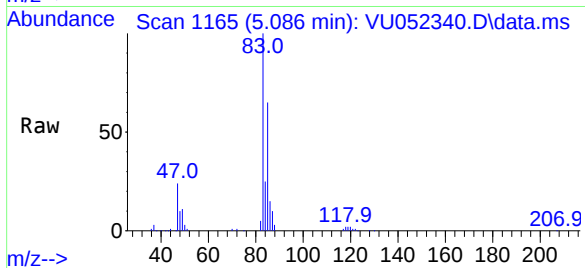
VSTD005102

Tgt Ion: 83 Resp: 187310

Ion Ratio Lower Upper

83 100

85 65.4 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.600 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU052340.D

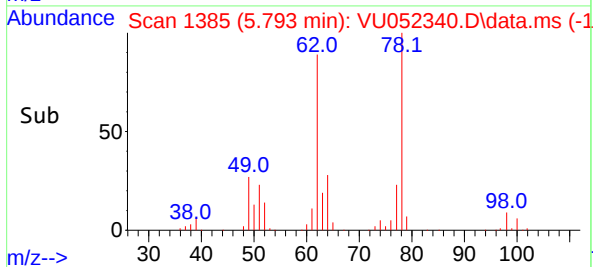
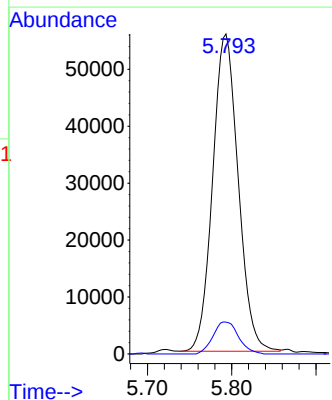
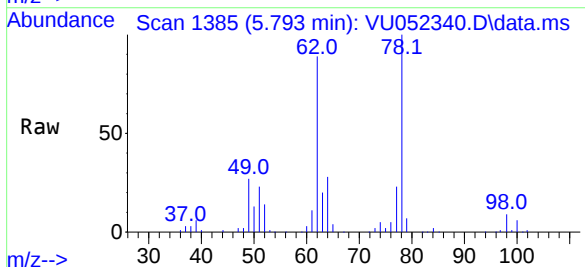
Acq: 10 Dec 2022 07:07

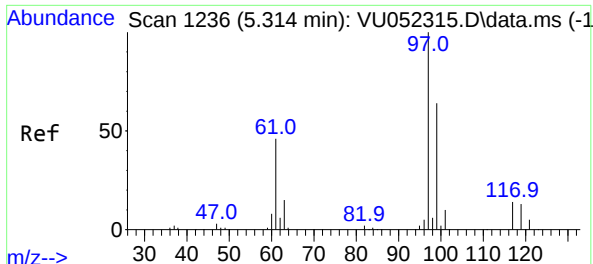
Tgt Ion: 62 Resp: 117122

Ion Ratio Lower Upper

62 100

98 9.9 8.4 12.6

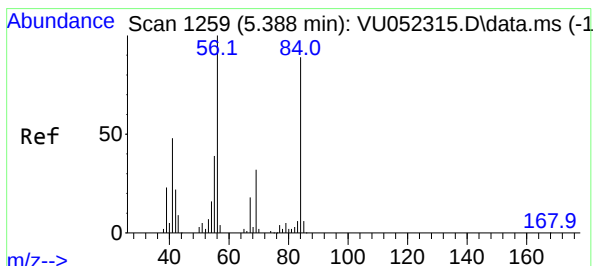
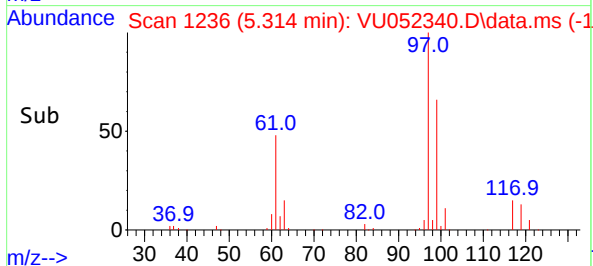
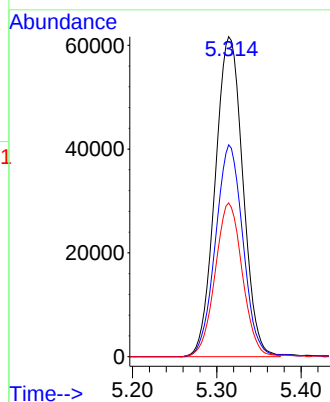
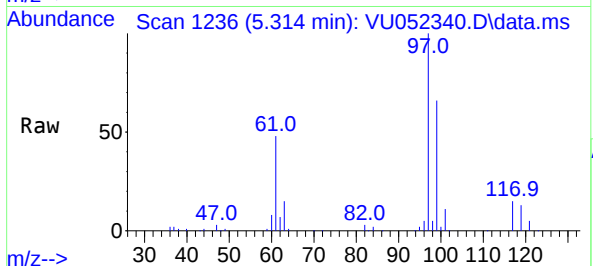




#29
1,1,1-Trichloroethane
Concen: 5.274 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

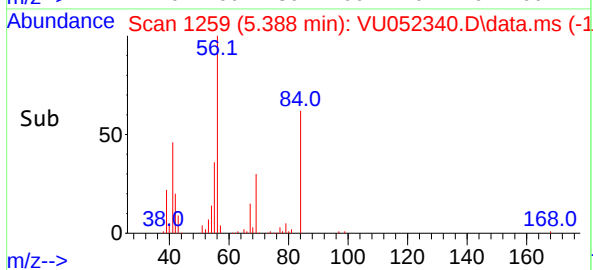
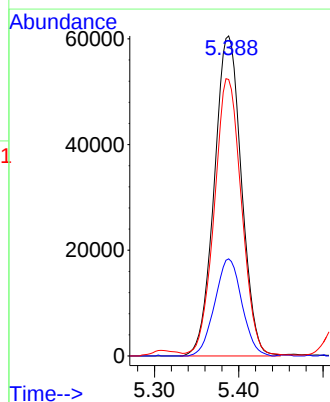
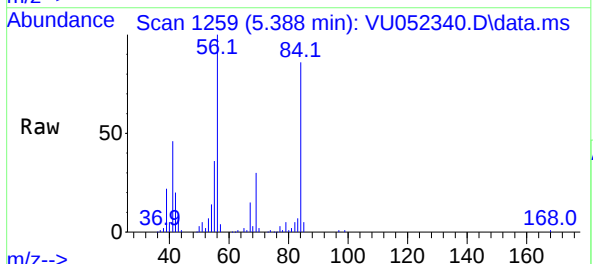
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

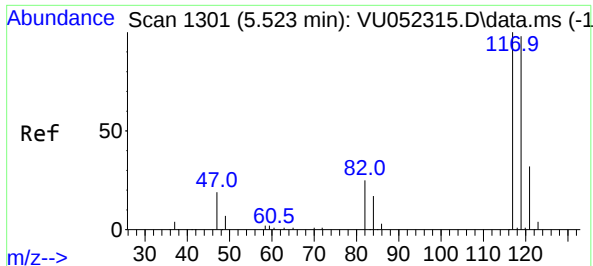
Tgt Ion: 97 Resp: 140912
Ion Ratio Lower Upper
97 100
99 65.6 51.0 76.6
61 47.1 36.9 55.3



#30
Cyclohexane
Concen: 5.228 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 56 Resp: 135642
Ion Ratio Lower Upper
56 100
69 30.2 25.6 38.4
84 86.2 72.0 108.0

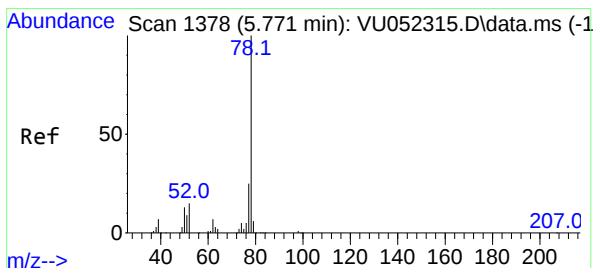
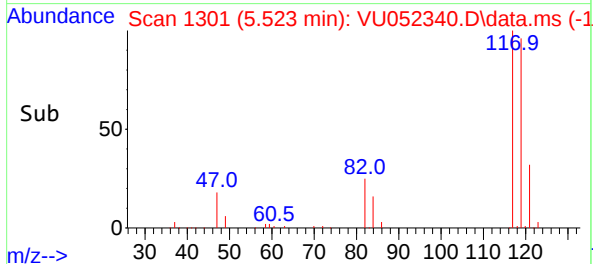
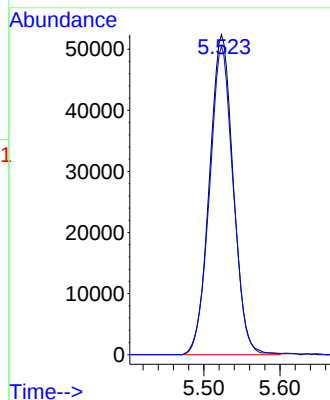
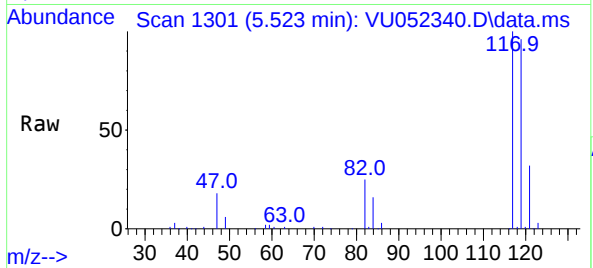




#31
Carbon tetrachloride
Concen: 5.025 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

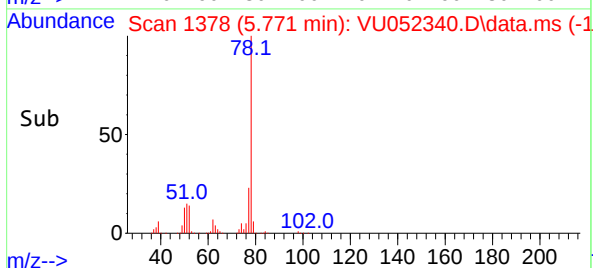
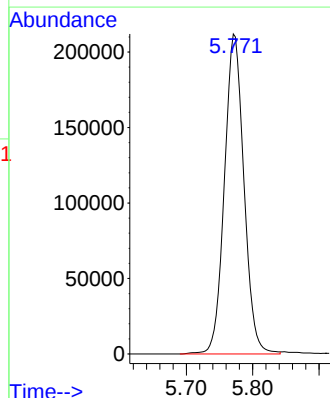
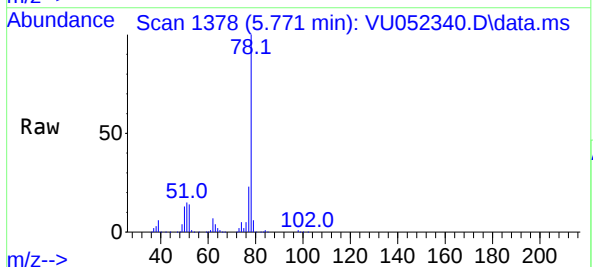
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

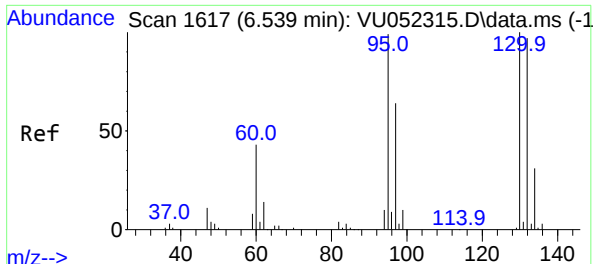
Tgt Ion:117 Resp: 114074
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8



#33
Benzene
Concen: 5.526 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 78 Resp: 433105





#34

Trichloroethene

Concen: 5.237 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD005102

Tgt Ion: 95 Resp: 102369

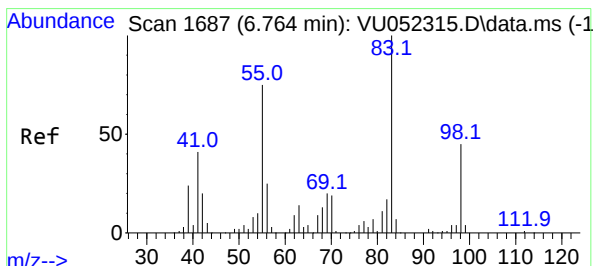
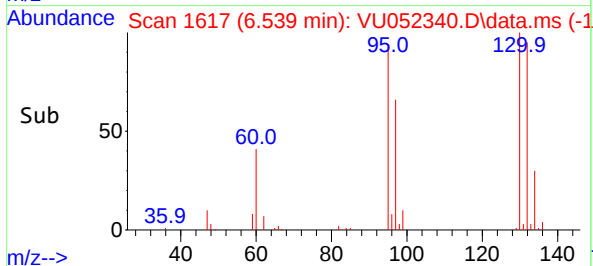
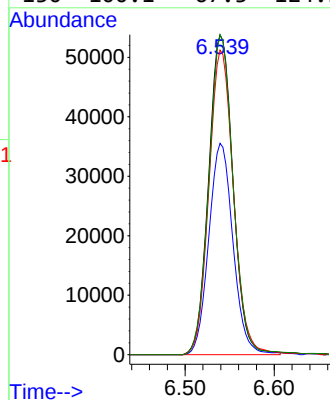
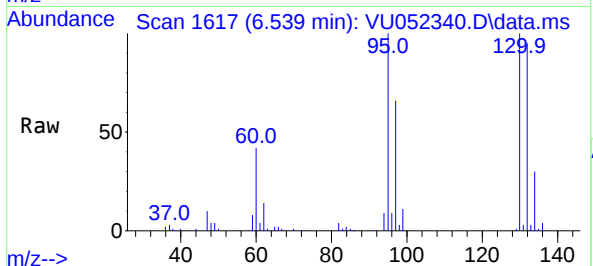
Ion Ratio Lower Upper

95 100

97 66.1 43.7 81.1

132 95.3 64.3 119.3

130 100.1 67.3 124.9



#35

Methylcyclohexane

Concen: 4.786 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

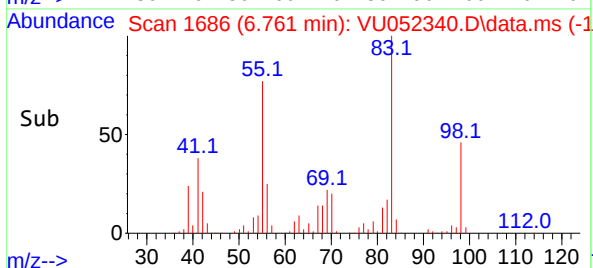
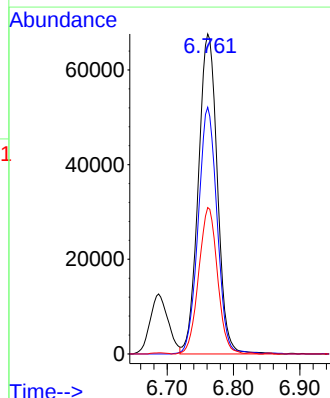
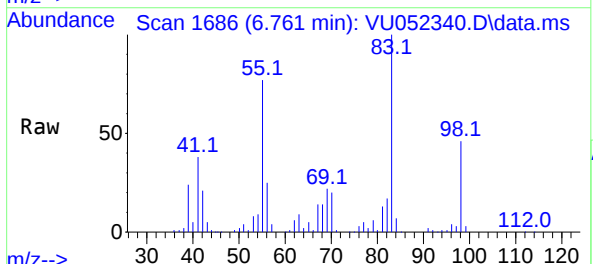
Tgt Ion: 83 Resp: 134588

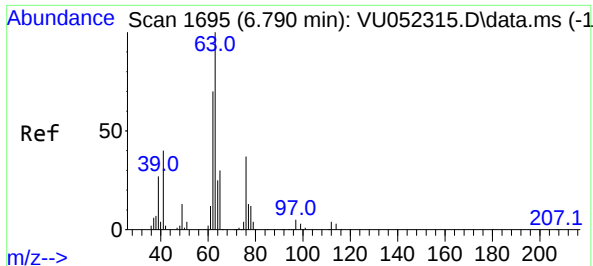
Ion Ratio Lower Upper

83 100

55 76.3 60.8 91.2

98 45.2 35.1 52.7

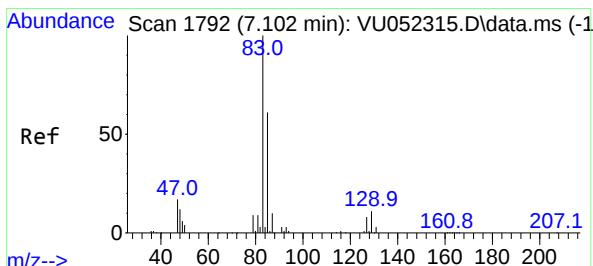
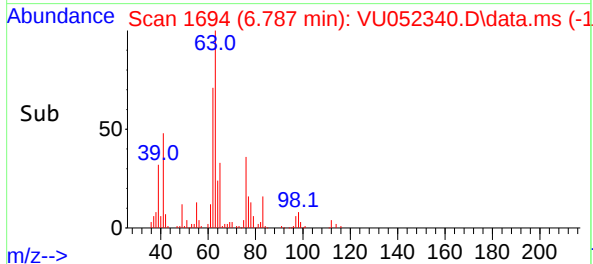
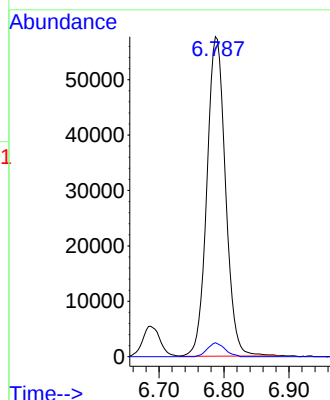
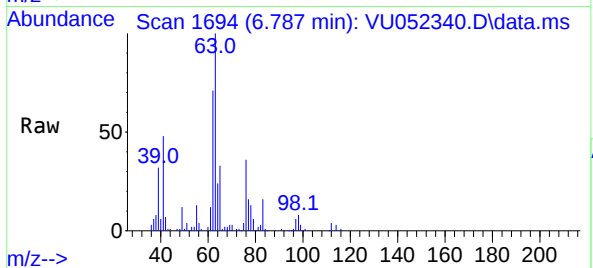




#37
1,2-Dichloropropane
Concen: 5.664 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

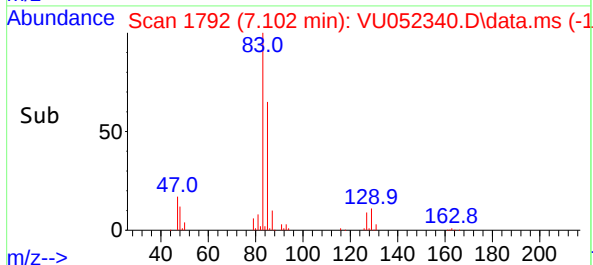
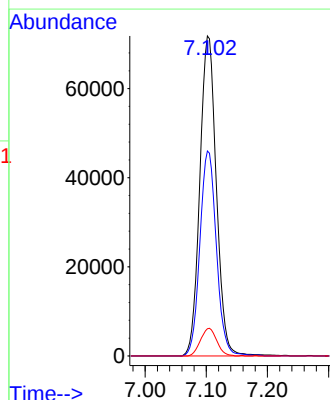
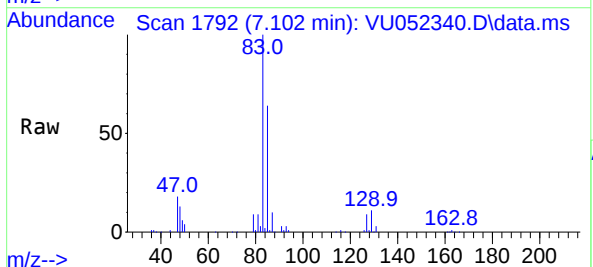
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

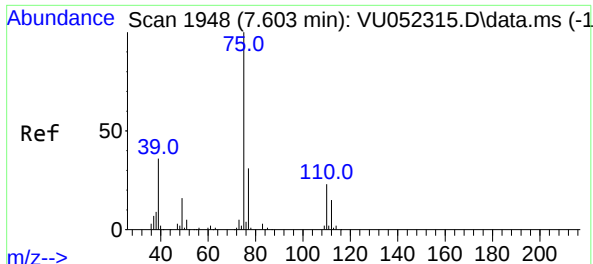
Tgt Ion: 63 Resp: 114942
Ion Ratio Lower Upper
63 100
112 4.1 3.3 4.9



#38
Bromodichloromethane
Concen: 5.458 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 83 Resp: 135025
Ion Ratio Lower Upper
83 100
85 64.0 43.5 80.9
127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.968 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

Instrument :

MSVOA_U

ClientSampleId :

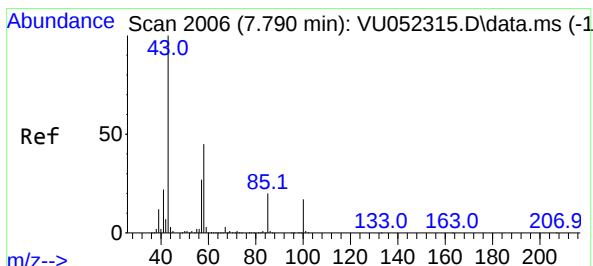
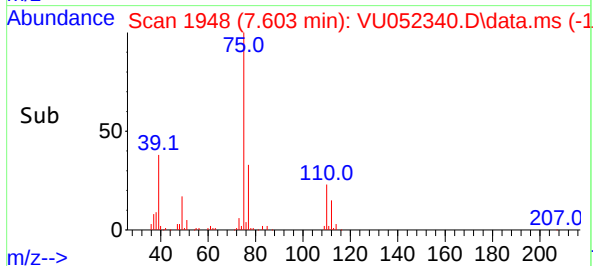
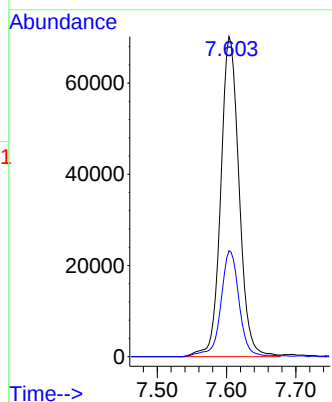
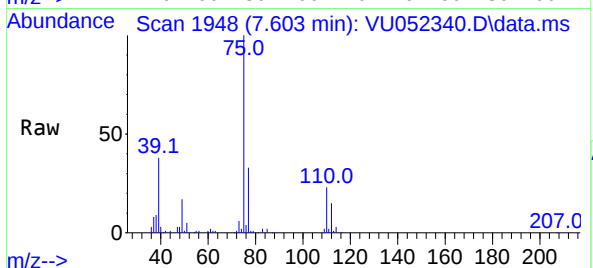
VSTD005102

Tgt Ion: 75 Resp: 129441

Ion Ratio Lower Upper

75 100

77 33.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 66.540 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

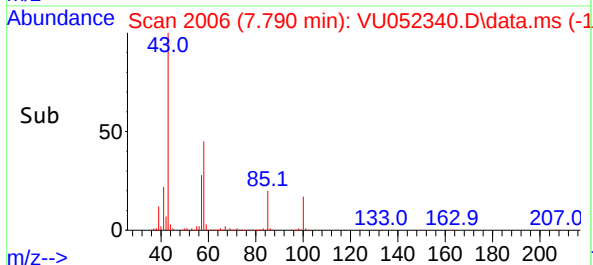
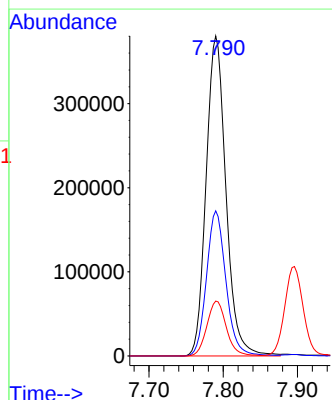
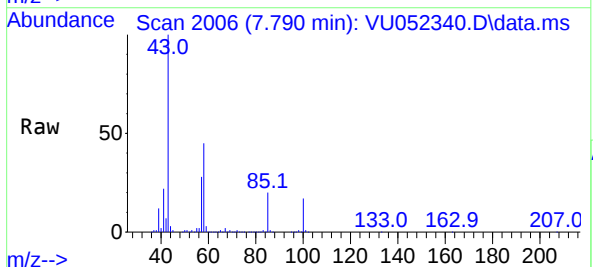
Tgt Ion: 43 Resp: 705342

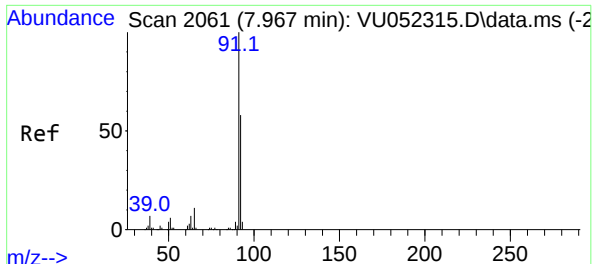
Ion Ratio Lower Upper

43 100

58 44.5 35.3 52.9

100 16.9 13.6 20.4





#42

Toluene

Concen: 5.722 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

Instrument :

MSVOA_U

ClientSampleId :

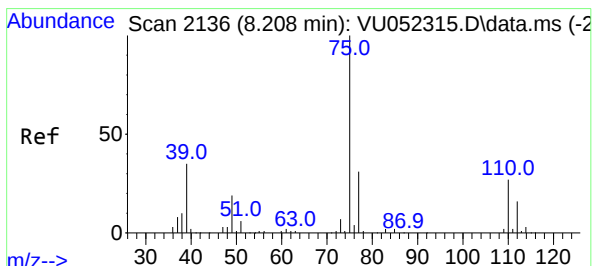
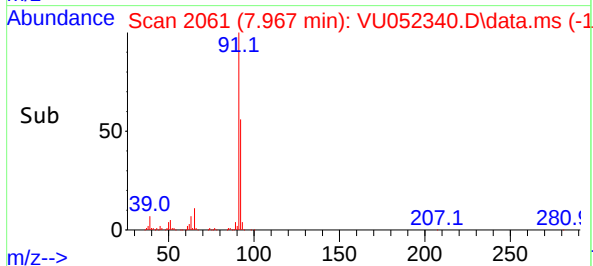
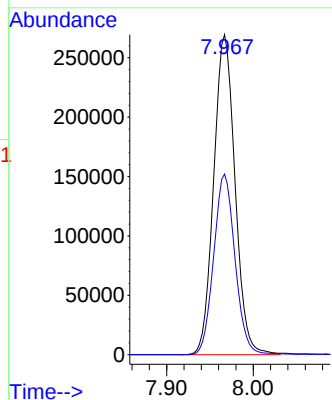
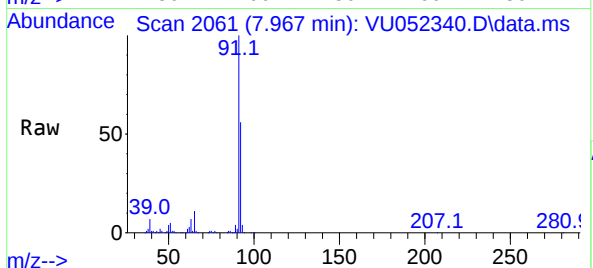
VSTD005102

Tgt Ion: 91 Resp: 461313

Ion Ratio Lower Upper

91 100

92 56.5 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.078 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052340.D

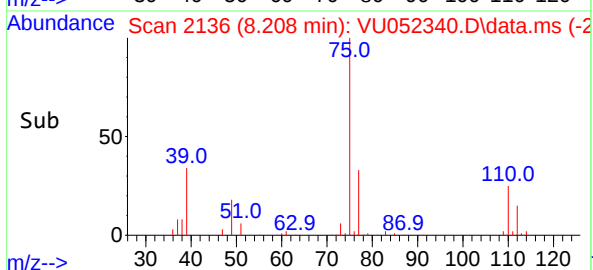
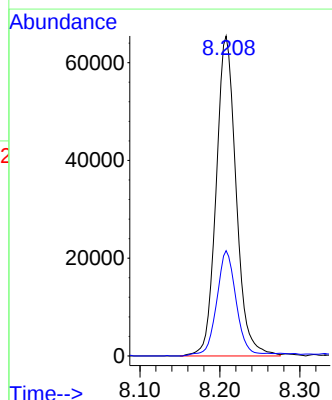
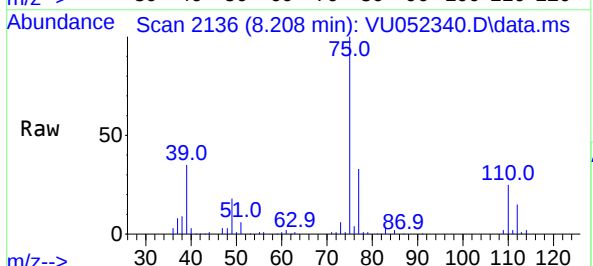
Acq: 10 Dec 2022 07:07

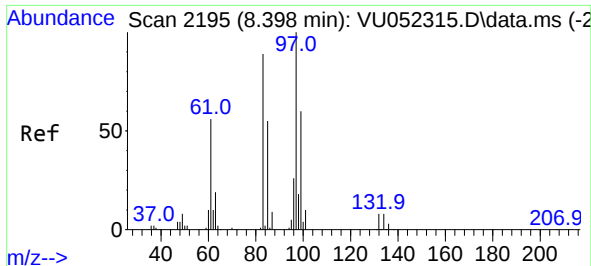
Tgt Ion: 75 Resp: 113296

Ion Ratio Lower Upper

75 100

77 32.9 22.6 42.0



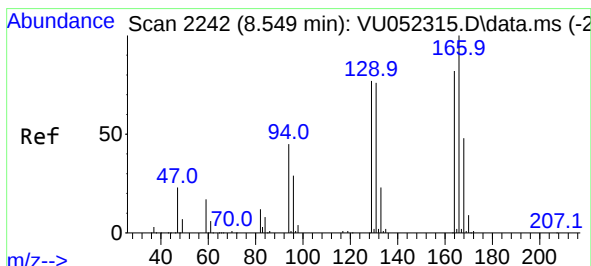
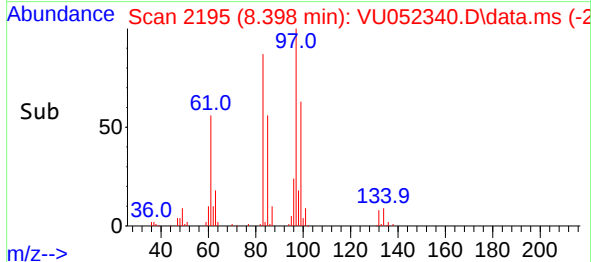
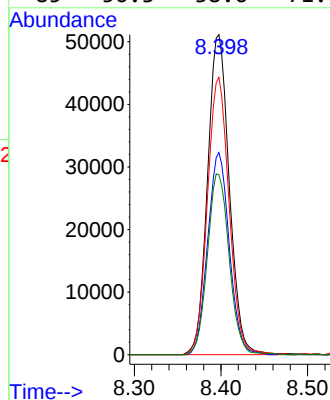
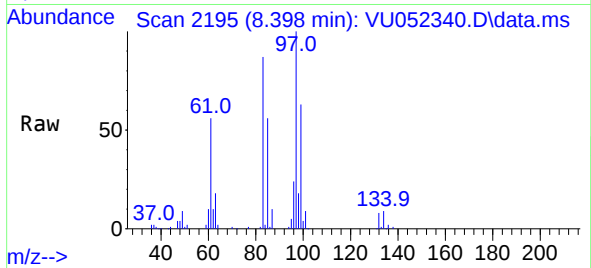


#45
1,1,2-Trichloroethane
Concen: 5.849 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

Tgt Ion: 97 Resp: 89200

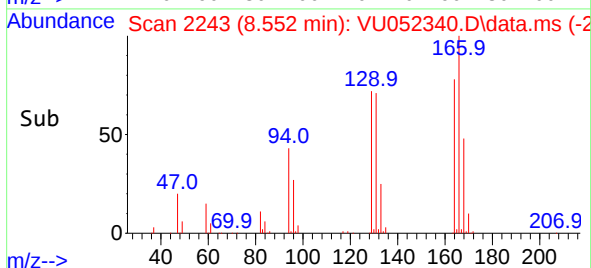
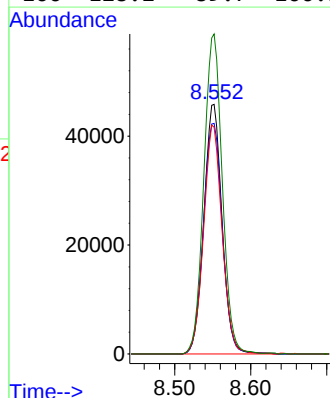
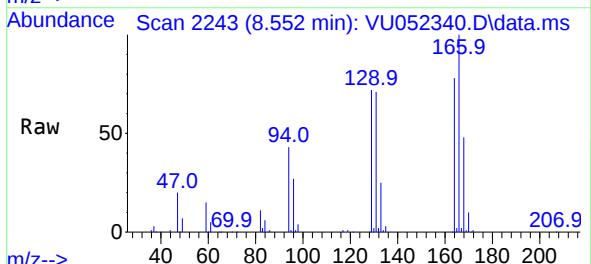
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.6	79.2
83	86.7	60.7	112.7
85	56.3	38.6	71.6

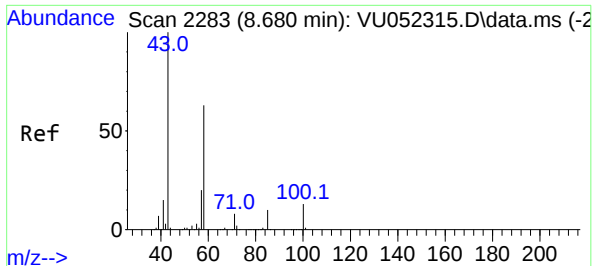


#47
Tetrachloroethene
Concen: 5.088 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 164 Resp: 76232

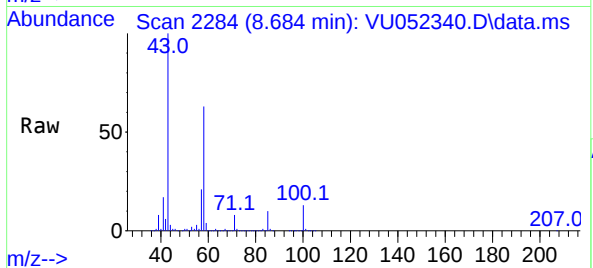
Ion	Ratio	Lower	Upper
164	100		
129	92.4	67.4	125.2
131	90.8	67.1	124.7
166	128.2	89.7	166.5





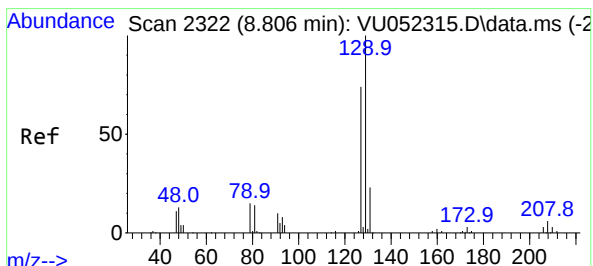
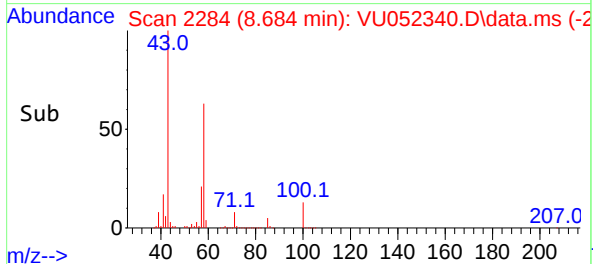
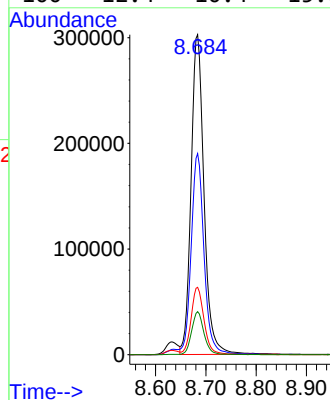
#48
2-Hexanone
Concen: 69.701 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD005102



Tgt Ion: 43 Resp: 541657

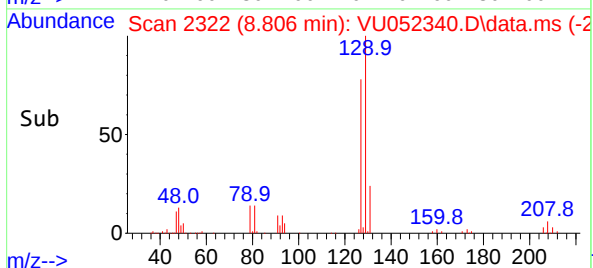
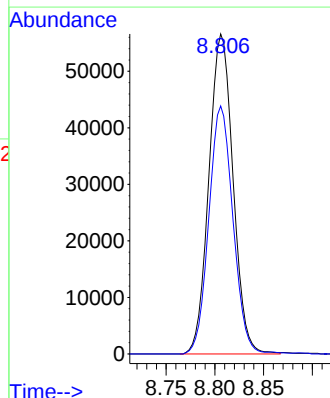
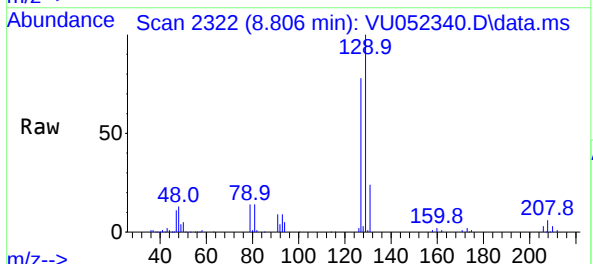
Ion	Ratio	Lower	Upper
43	100		
58	61.9	49.4	74.0
57	21.0	16.3	24.5
100	12.4	10.4	15.6

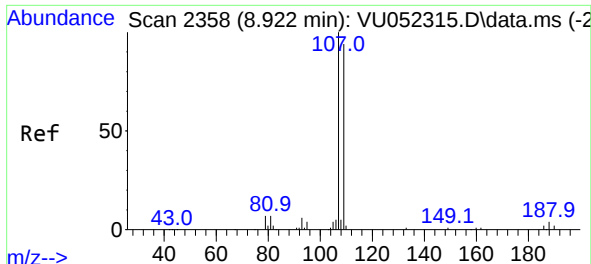


#49
Dibromochloromethane
Concen: 5.712 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 129 Resp: 97567

Ion	Ratio	Lower	Upper
129	100		
127	77.5	52.8	98.2

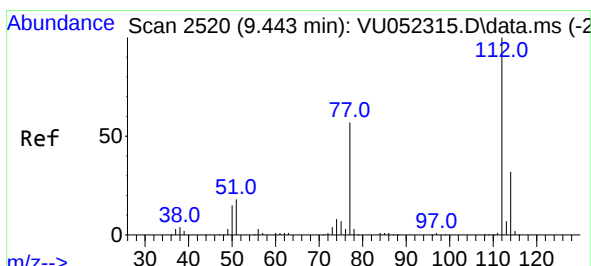
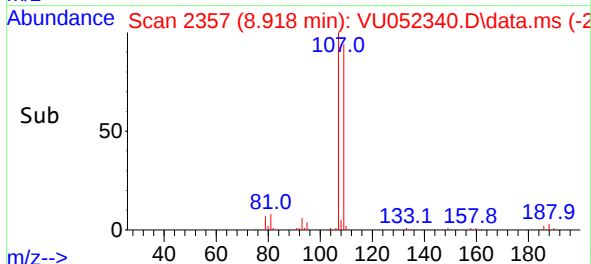
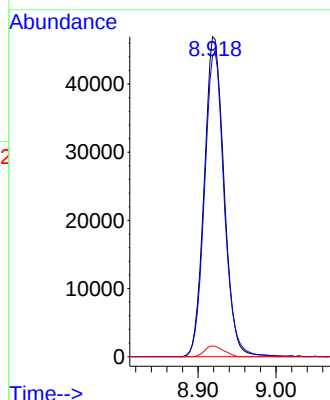
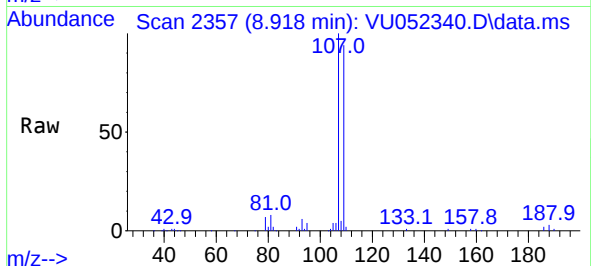




#50
1,2-Dibromoethane
Concen: 5.953 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

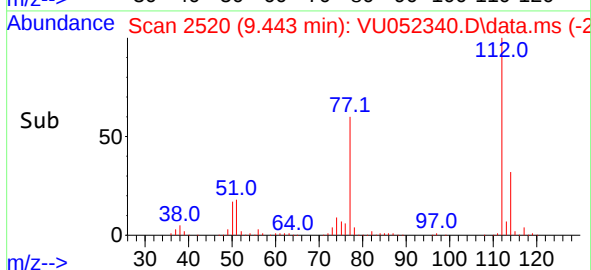
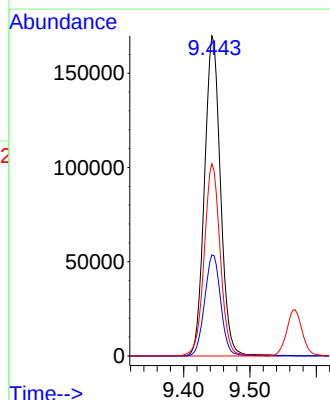
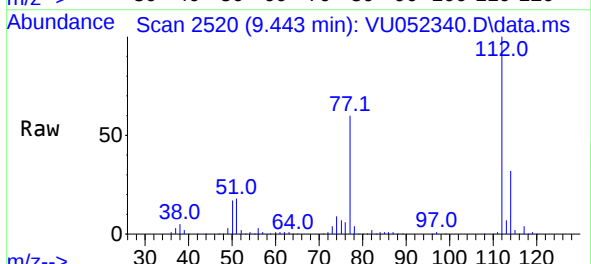
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

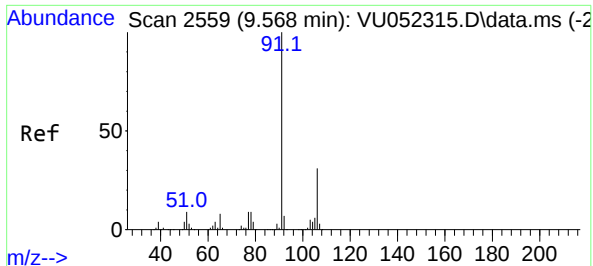
Tgt Ion:107 Resp: 82686
Ion Ratio Lower Upper
107 100
109 93.9 64.9 120.5
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 5.521 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion:112 Resp: 283763
Ion Ratio Lower Upper
112 100
114 31.6 22.2 41.2
77 60.0 46.6 70.0





#52

Ethylbenzene

Concen: 5.606 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.000 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

Instrument :

MSVOA_U

ClientSampleId :

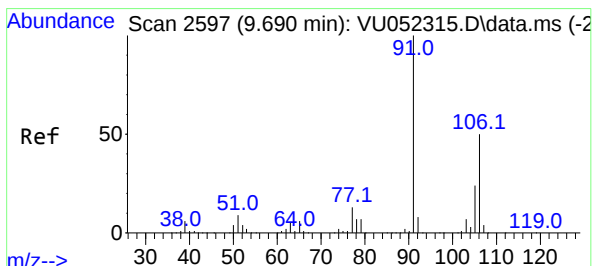
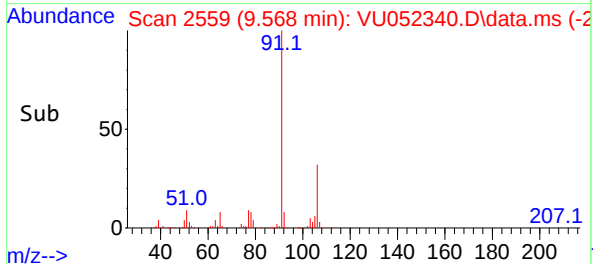
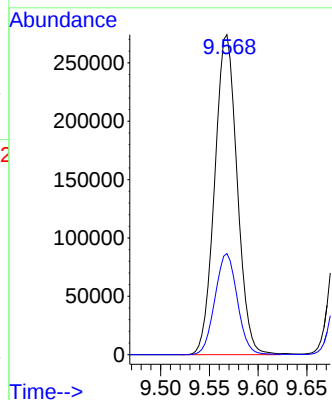
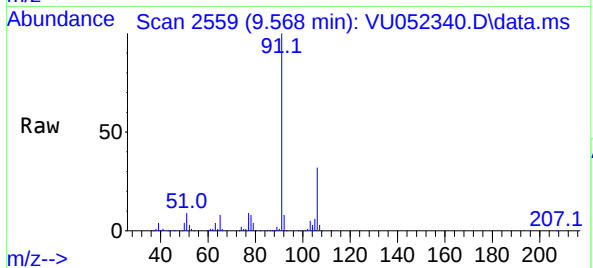
VSTD005102

Tgt Ion: 91 Resp: 439387

Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.3



#53

m,p-Xylene

Concen: 5.729 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.003 min

Lab File: VU052340.D

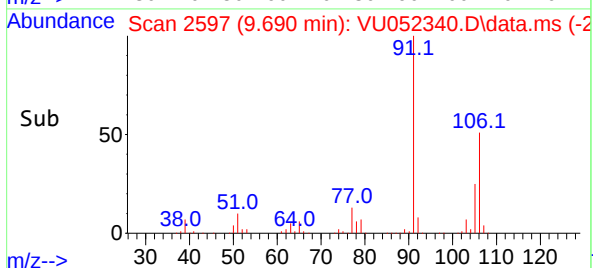
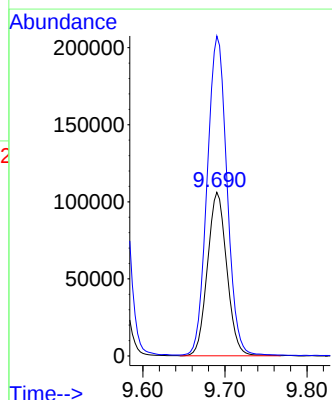
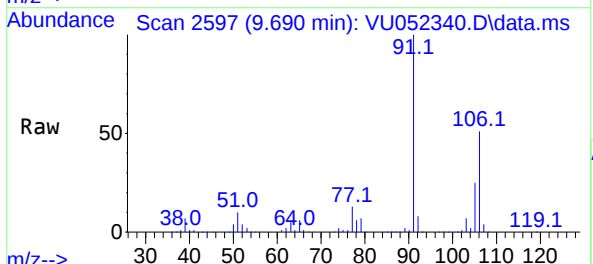
Acq: 10 Dec 2022 07:07

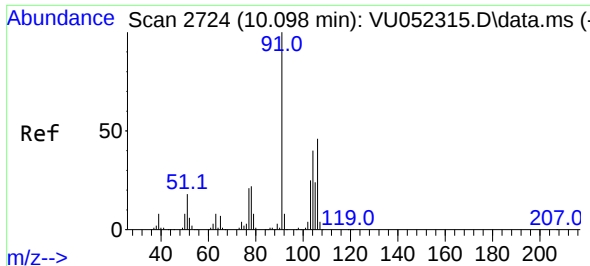
Tgt Ion: 106 Resp: 173877

Ion Ratio Lower Upper

106 100

91 195.5 137.7 255.7

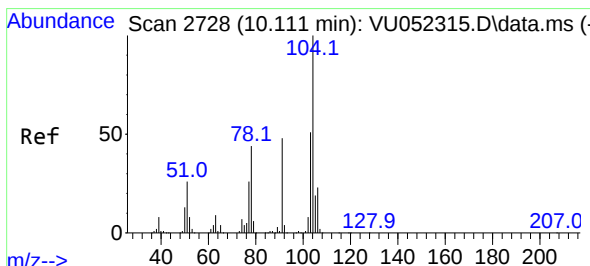
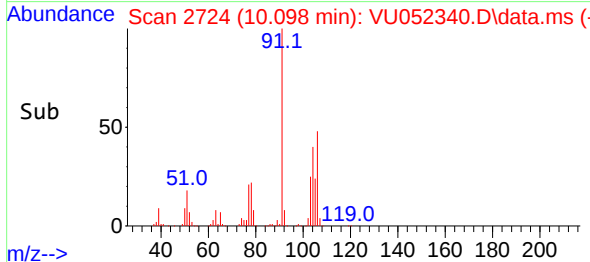
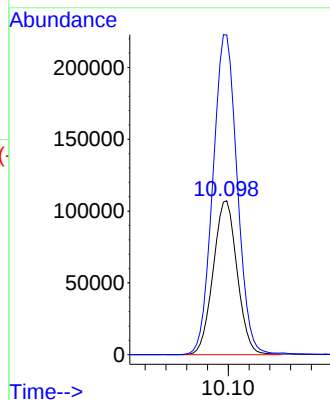
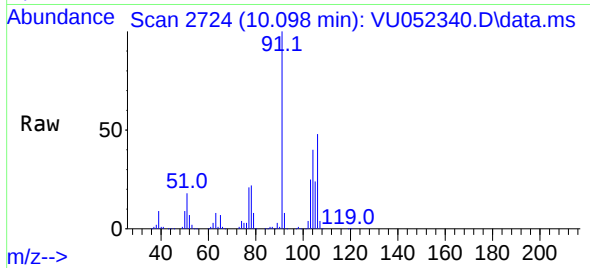




#54
o-Xylene
Concen: 5.904 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

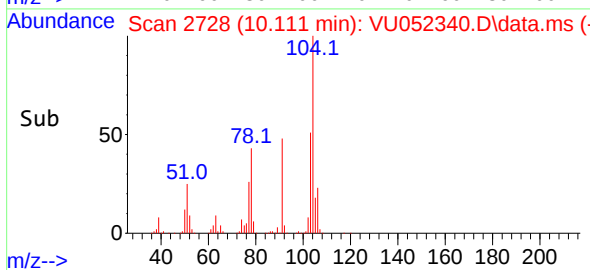
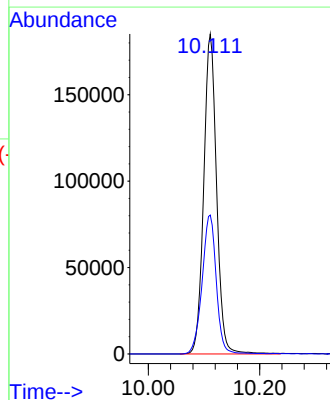
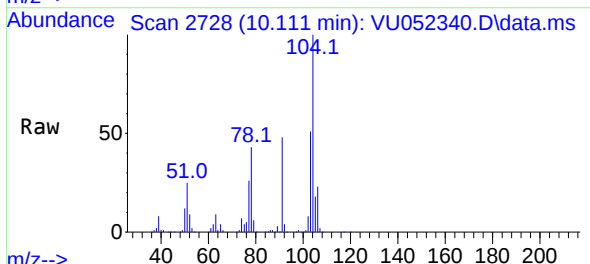
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

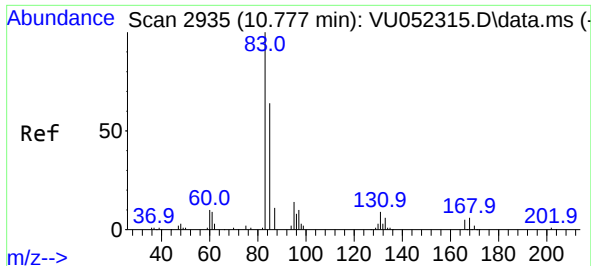
Tgt Ion:106 Resp: 171733
Ion Ratio Lower Upper
106 100
91 207.7 151.5 281.5



#55
Styrene
Concen: 6.049 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion:104 Resp: 297201
Ion Ratio Lower Upper
104 100
78 43.4 30.6 56.8

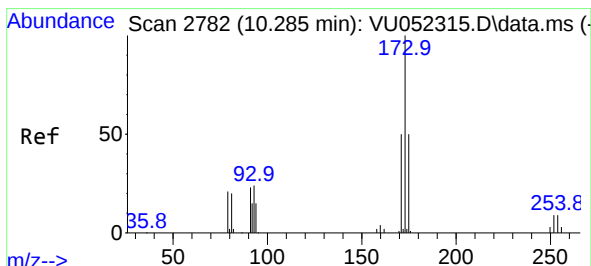
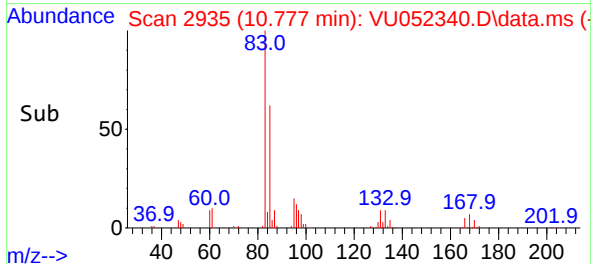
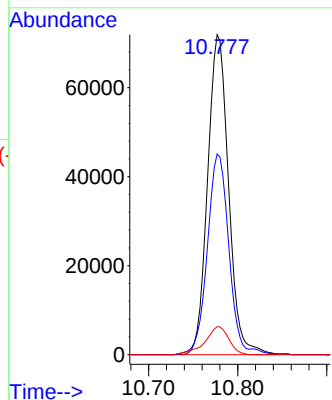
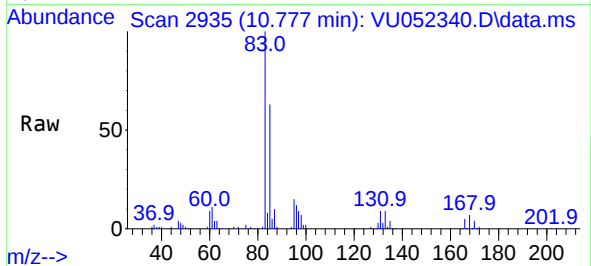




#57
1,1,2,2-Tetrachloroethane
Concen: 6.152 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

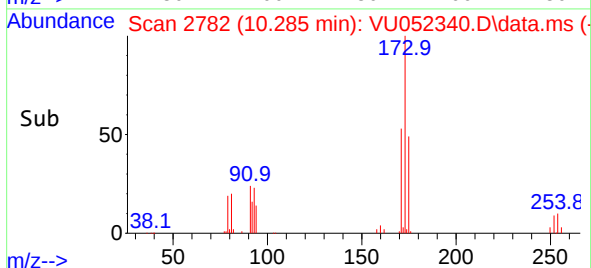
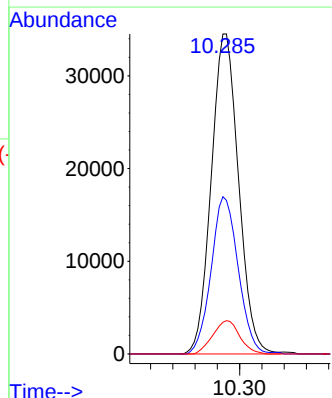
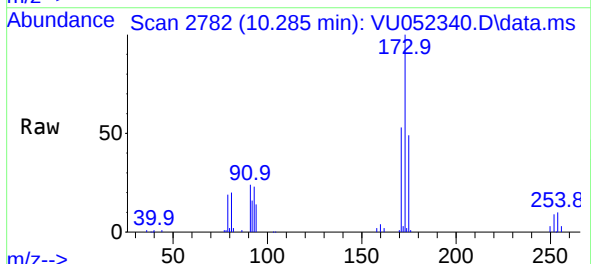
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

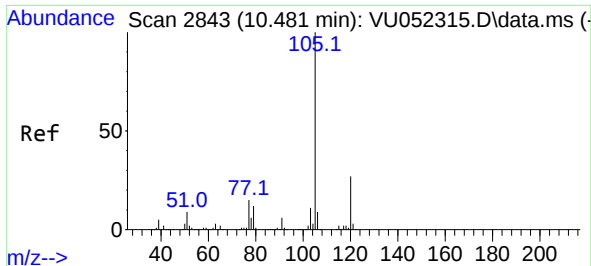
Tgt Ion: 83 Resp: 117178
Ion Ratio Lower Upper
83 100
85 62.8 45.7 84.9
131 8.8 7.6 11.4



#59
Bromoform
Concen: 5.616 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

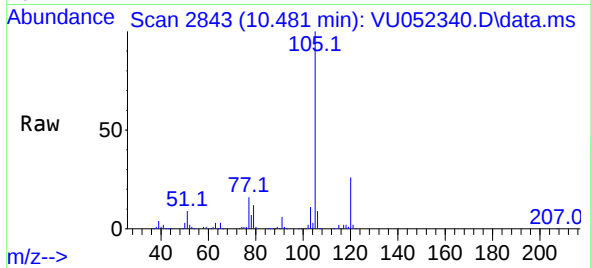
Tgt Ion:173 Resp: 58752
Ion Ratio Lower Upper
173 100
175 48.8 37.2 55.8
254 10.2 7.0 10.6



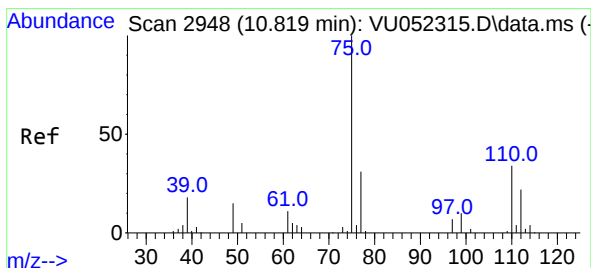
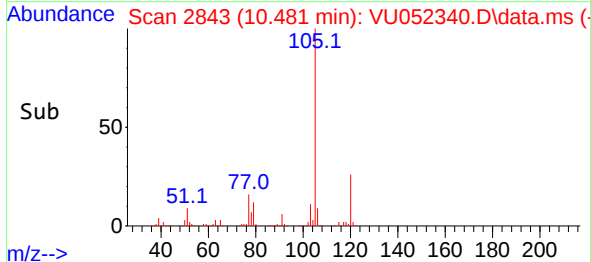
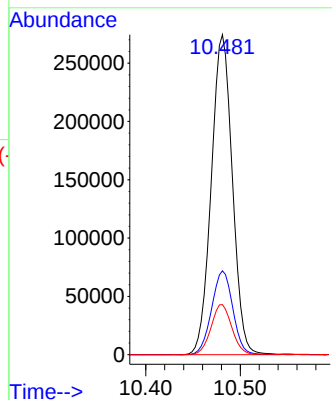


#60
Isopropylbenzene
Concen: 5.320 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

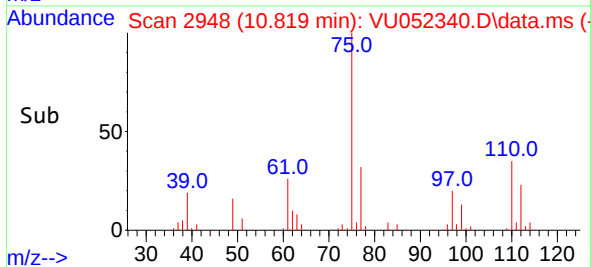
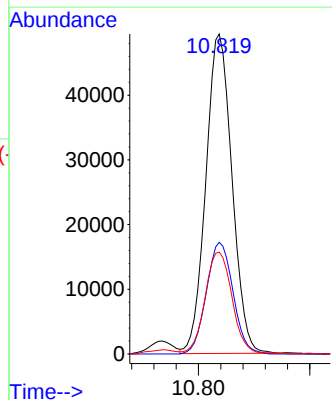
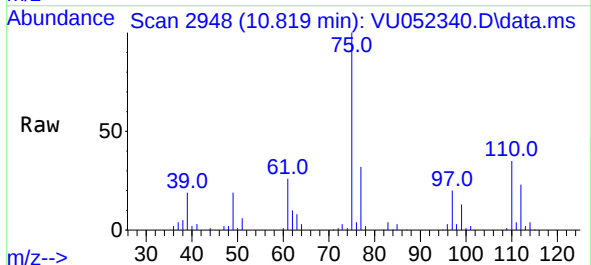


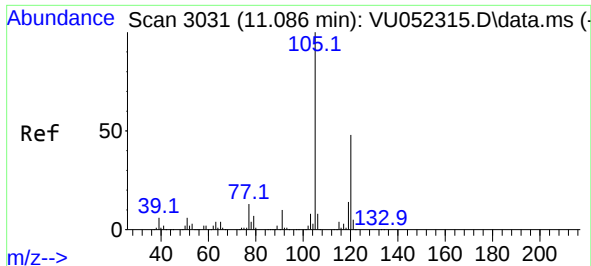
Tgt Ion:105 Resp: 424396
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 15.5 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.540 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion: 75 Resp: 80530
Ion Ratio Lower Upper
75 100
110 35.6 28.3 42.5
77 33.0 26.2 39.2

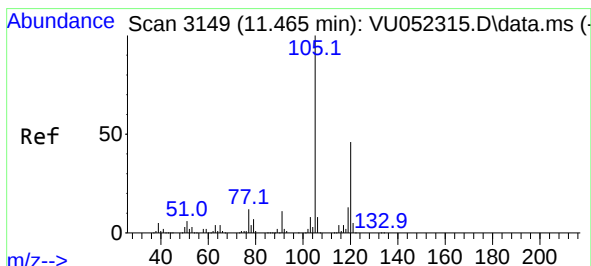
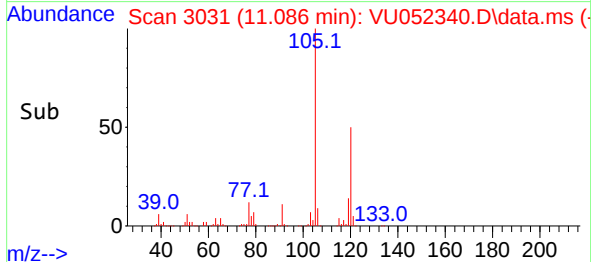
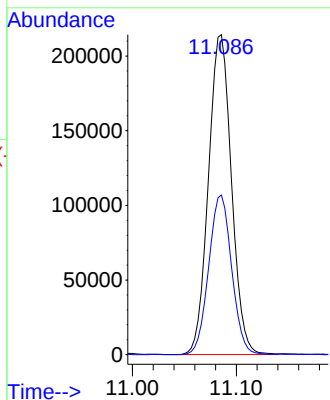
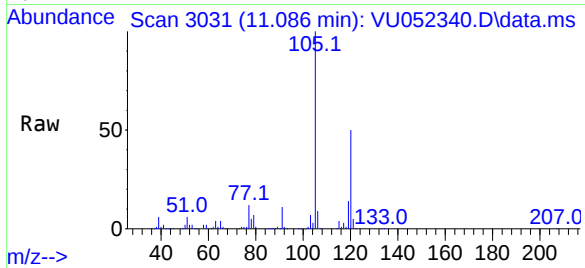




#62
1,3,5-Trimethylbenzene
Concen: 5.176 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

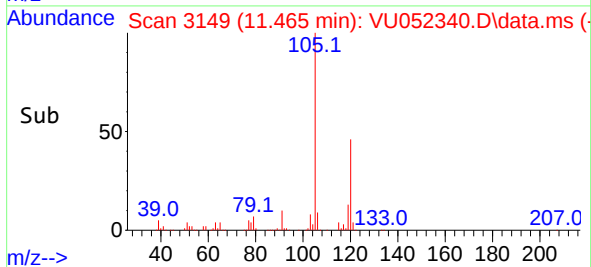
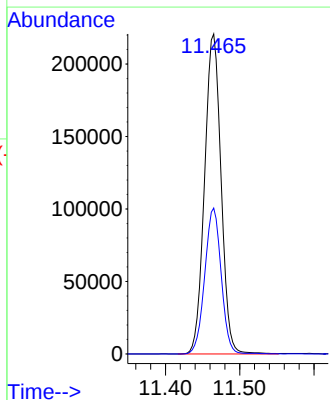
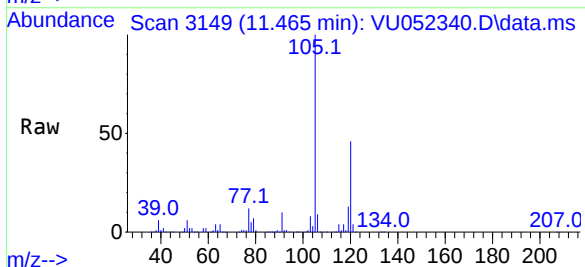
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

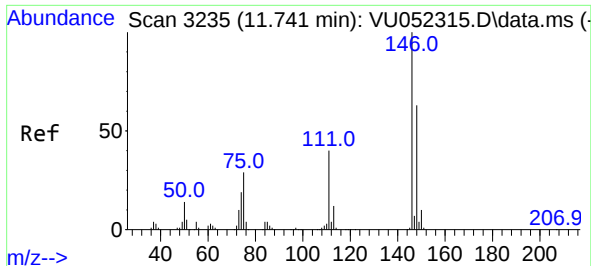
Tgt Ion:105 Resp: 330110
Ion Ratio Lower Upper
105 100
120 49.9 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 5.378 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion:105 Resp: 340458
Ion Ratio Lower Upper
105 100
120 45.1 36.6 55.0

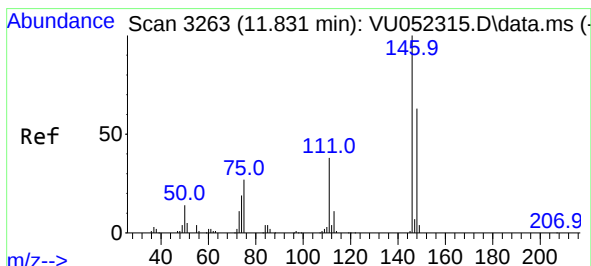
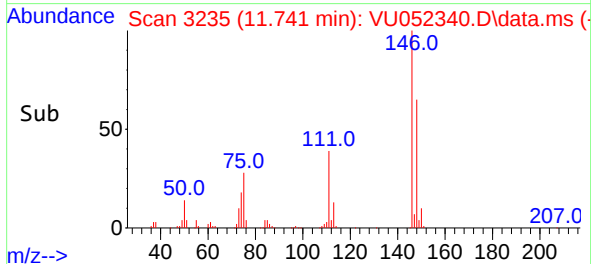
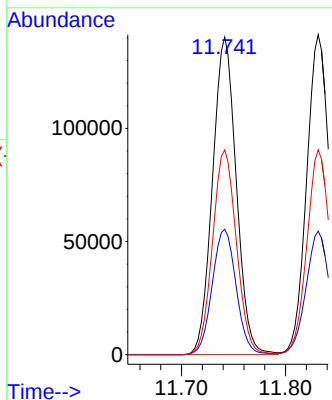
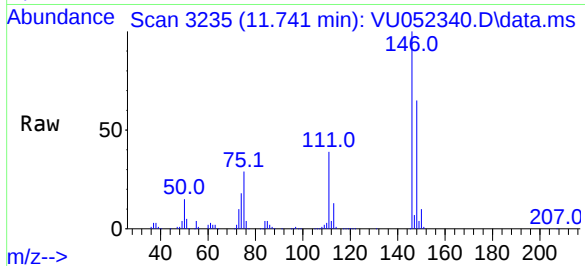




#64
1,3-Dichlorobenzene
Concen: 5.477 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

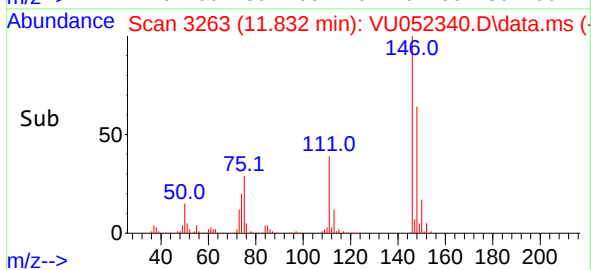
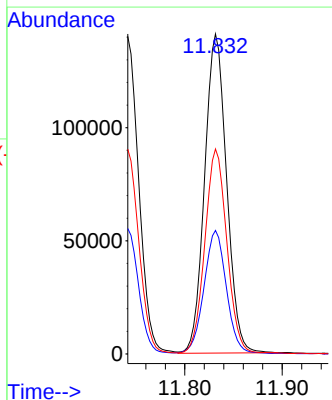
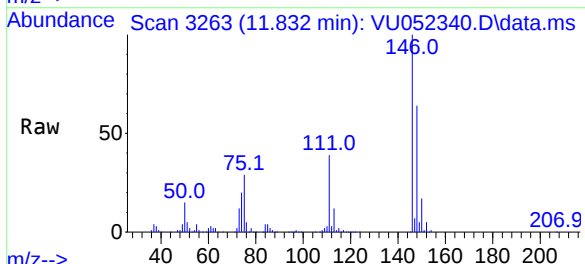
Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

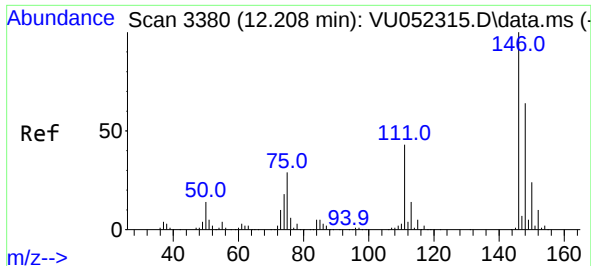
Tgt Ion:146 Resp: 223123
Ion Ratio Lower Upper
146 100
111 39.5 28.6 53.2
148 64.5 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 5.446 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion:146 Resp: 221250
Ion Ratio Lower Upper
146 100
111 38.6 26.9 50.1
148 64.1 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 5.499 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD005102

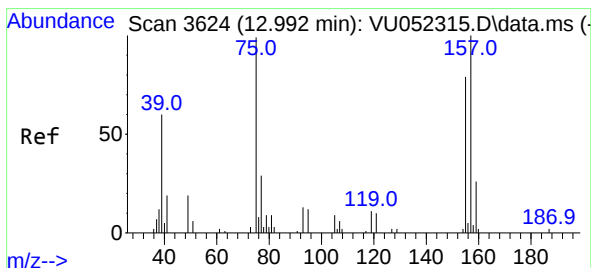
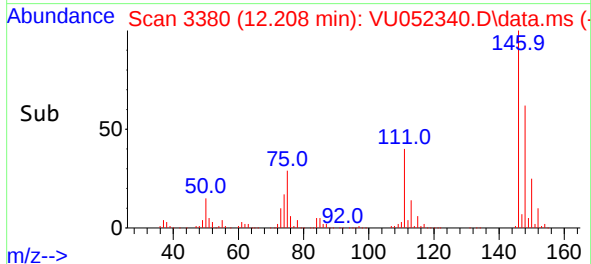
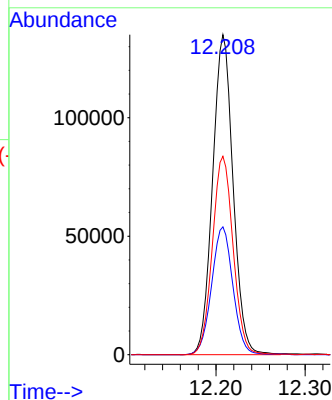
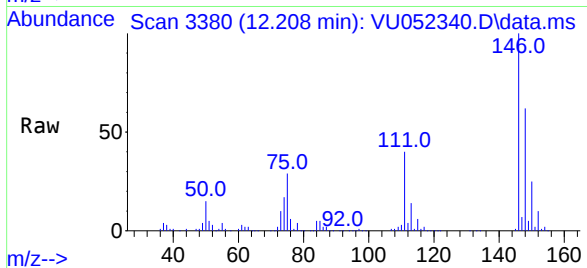
Tgt Ion:146 Resp: 215728

Ion Ratio Lower Upper

146 100

111 39.9 32.7 49.1

148 62.0 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.296 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

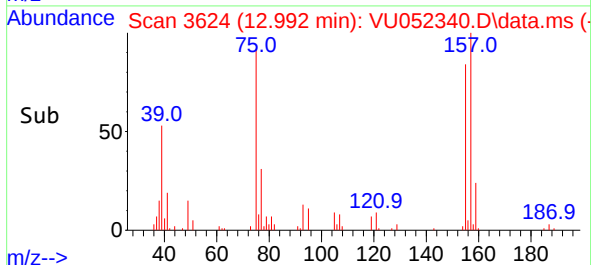
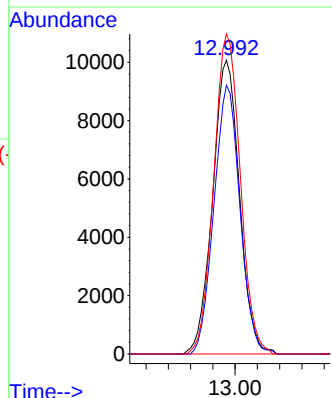
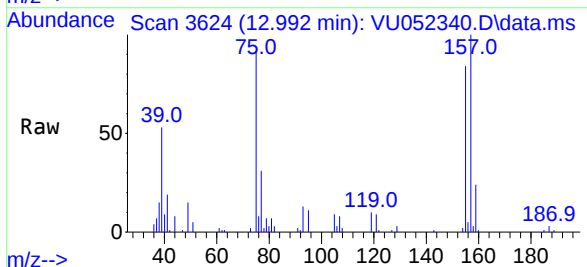
Tgt Ion: 75 Resp: 16845

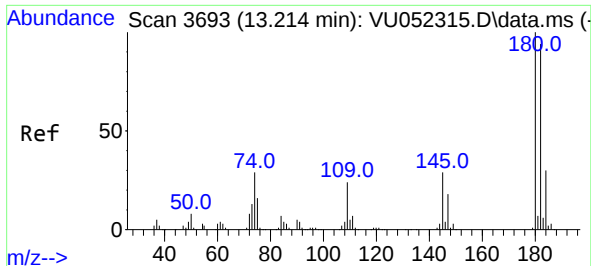
Ion Ratio Lower Upper

75 100

155 91.5 65.4 98.2

157 108.9 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 5.462 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD005102

Tgt Ion:180 Resp: 157781

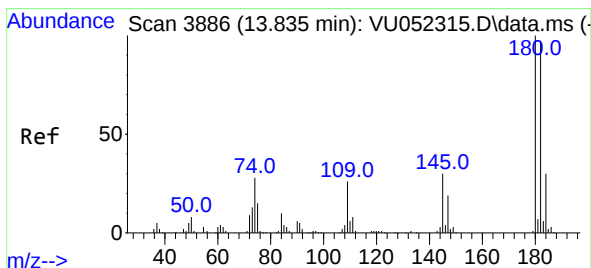
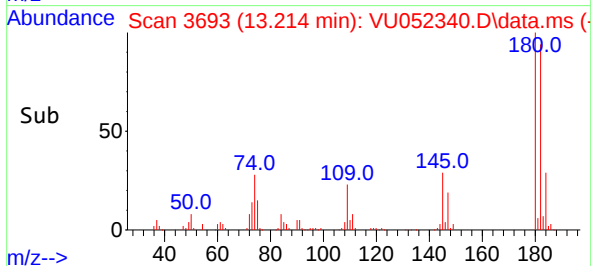
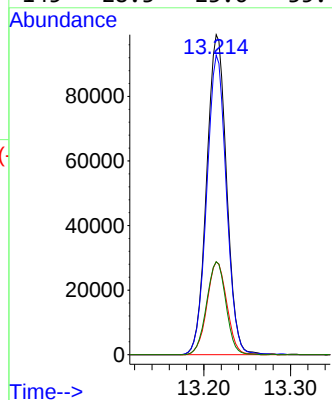
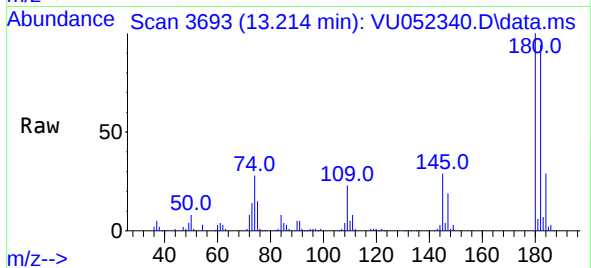
Ion Ratio Lower Upper

180 100

182 92.6 75.7 113.5

184 28.9 24.3 36.5

145 28.3 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 5.908 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU052340.D

Acq: 10 Dec 2022 07:07

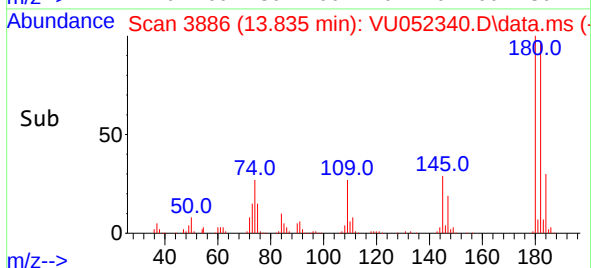
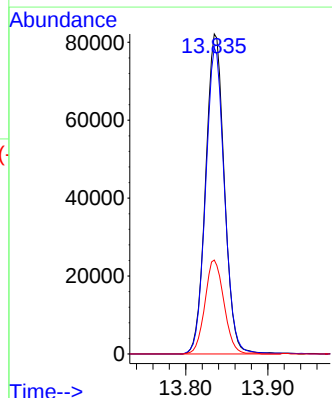
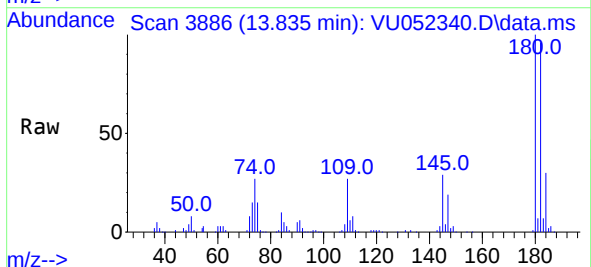
Tgt Ion:180 Resp: 129947

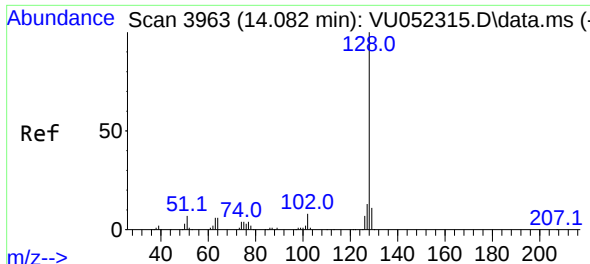
Ion Ratio Lower Upper

180 100

182 96.4 76.3 114.5

145 29.8 24.6 36.8

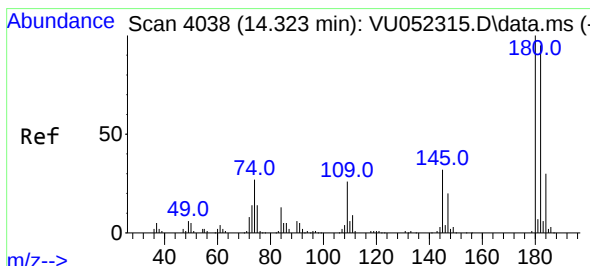
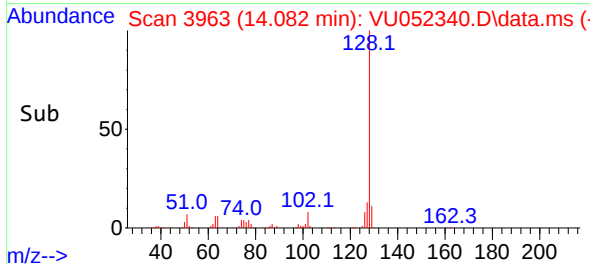
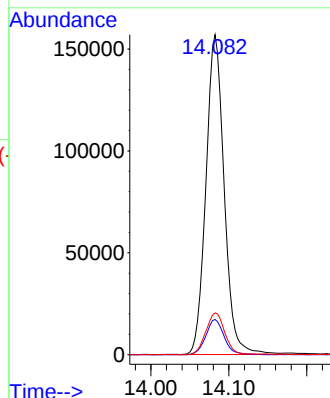
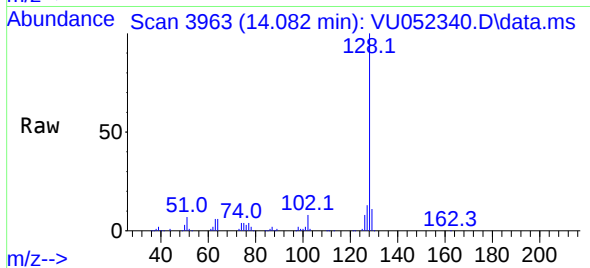




#71
Naphthalene
Concen: 6.185 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD005102

Tgt Ion:128 Resp: 255396
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.6 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 6.076 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052340.D
Acq: 10 Dec 2022 07:07

Tgt Ion:180 Resp: 131501
Ion Ratio Lower Upper
180 100
182 96.0 75.7 113.5
145 31.8 24.5 36.7

