

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020523\
 Data File : VU052967.D
 Acq On : 05 Feb 2023 21:01
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005133

Quant Time: Feb 05 22:01:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 05 21:58:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	138968	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	135804	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	73022	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39440	3.230	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.600%
7) Chloroethane-d5	1.912	69	45475	4.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.565	65	18550	3.450	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.000%
20) 2-Butanone-d5	4.632	46	125811	38.540	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.080%
24) Chloroform-d	5.057	84	103179	4.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.697	65	52562	4.494	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
32) Benzene-d6	5.722	84	192099	4.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
36) 1,2-Dichloropropane-d6	6.684	67	59562	4.061	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.200%
41) Toluene-d8	7.893	98	171230	4.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.176	79	21780	3.993	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.629	63	94434	41.676	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.360%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	53481	4.762	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	12.188	152	61554	4.631	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	52177	3.495	ug/L	100
3) Chloromethane	1.517	50	57388	3.165	ug/L	98
5) Vinyl chloride	1.604	62	63607	3.667	ug/L	97
6) Bromomethane	1.858	94	44903	4.987	ug/L	98
8) Chloroethane	1.935	64	46567	4.415	ug/L	99
9) Trichlorofluoromethane	2.137	101	98016	4.793	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	49038	4.076	ug/L	95
12) 1,1-Dichloroethene	2.578	96	50082	4.157	ug/L	84
13) Acetone	2.649	43	87456	37.355	ug/L	95
14) Carbon disulfide	2.790	76	138350	3.323	ug/L	99
15) Methyl Acetate	2.954	43	21716	3.869	ug/L #	89
16) Methylene chloride	3.041	84	67128	4.187	ug/L	82
17) Methyl tert-butyl Ether	3.359	73	124476	4.669	ug/L	94
18) trans-1,2-Dichloroethene	3.350	96	51981	4.230	ug/L	85
19) 1,1-Dichloroethane	3.864	63	105585	4.138	ug/L	99
21) 2-Butanone	4.713	43	135037	35.830	ug/L	84
22) cis-1,2-Dichloroethene	4.661	96	60445	4.581	ug/L	91
23) Bromochloromethane	4.970	128	30851	5.523	ug/L #	69
25) Chloroform	5.083	83	115213	4.593	ug/L	98

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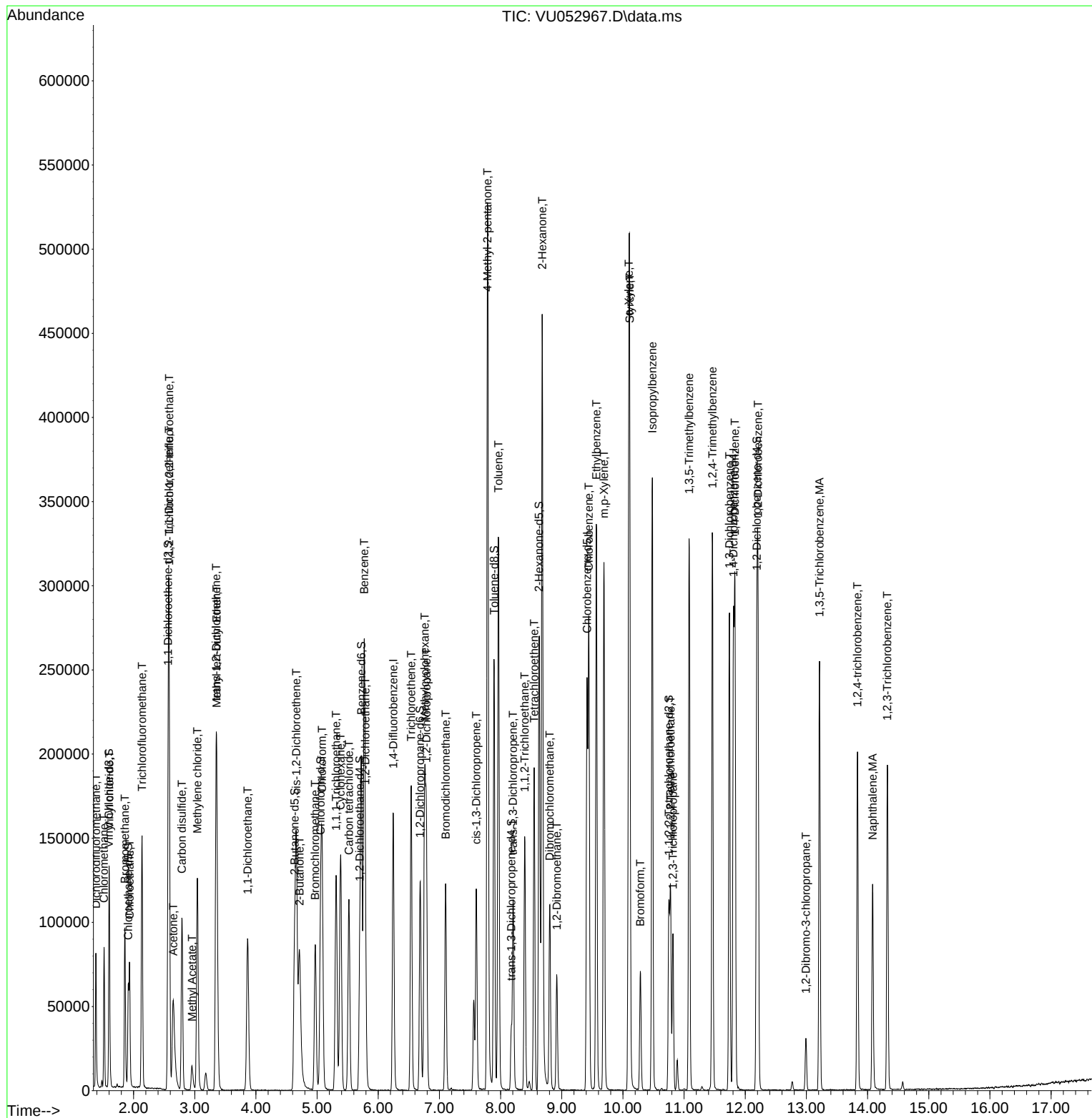
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	70444	4.634	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	96663	4.537	ug/L	95
30) Cyclohexane	5.385	56	64255	2.997	ug/L	86
31) Carbon tetrachloride	5.520	117	81300	4.870	ug/L	98
33) Benzene	5.771	78	237418	4.417	ug/L	100
34) Trichloroethene	6.539	95	61754	4.857	ug/L	89
35) Methylcyclohexane	6.761	83	68269	3.252	ug/L	91
37) 1,2-Dichloropropane	6.787	63	61558	4.267	ug/L #	96
38) Bromodichloromethane	7.102	83	81554	4.802	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	75169	4.105	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	326246	39.544	ug/L #	90
42) Toluene	7.963	91	241858	4.517	ug/L	96
44) trans-1,3-Dichloropropene	8.205	75	66974	4.237	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	46954	5.175	ug/L	95
47) Tetrachloroethene	8.549	164	43799	4.675	ug/L	93
48) 2-Hexanone	8.681	43	267913	44.352	ug/L #	91
49) Dibromochloromethane	8.803	129	57656	5.496	ug/L	100
50) 1,2-Dibromoethane	8.918	107	44801	5.371	ug/L #	97
51) Chlorobenzene	9.443	112	154493	4.632	ug/L	96
52) Ethylbenzene	9.565	91	234754	4.304	ug/L	99
53) m,p-Xylene	9.690	106	95172	4.606	ug/L	92
54) o-Xylene	10.095	106	93746	4.745	ug/L	95
55) Styrene	10.111	104	163143	4.842	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	59416	5.013	ug/L	97
59) Bromoform	10.285	173	32905	5.795	ug/L	98
60) Isopropylbenzene	10.481	105	232739	4.497	ug/L	97
61) 1,2,3-Trichloropropane	10.819	75	40959	4.826	ug/L	93
62) 1,3,5-Trimethylbenzene	11.082	105	179792	4.355	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	180856	4.349	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	120653	4.900	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	120717	4.806	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	117077	5.054	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	8658	4.423	ug/L #	63
69) 1,3,5-Trichlorobenzene	13.214	180	83282	4.554	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	65136	4.441	ug/L	98
71) Naphthalene	14.082	128	103649	4.070	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	63606	4.733	ug/L	99

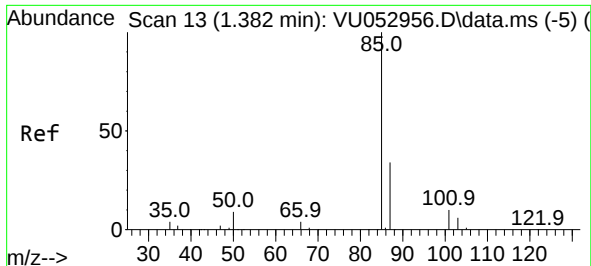
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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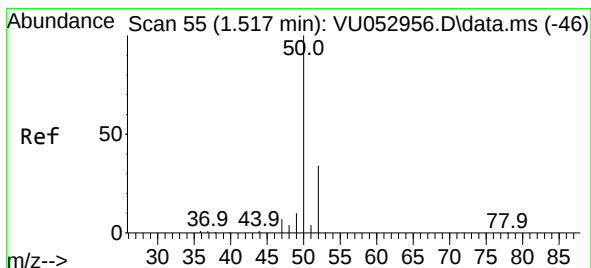
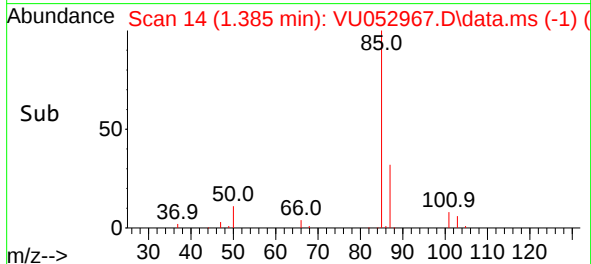
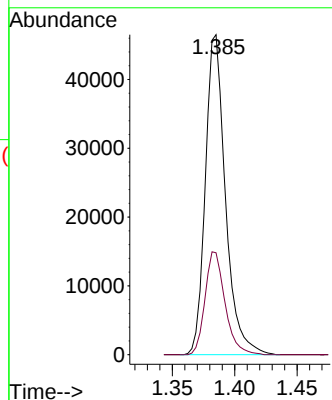
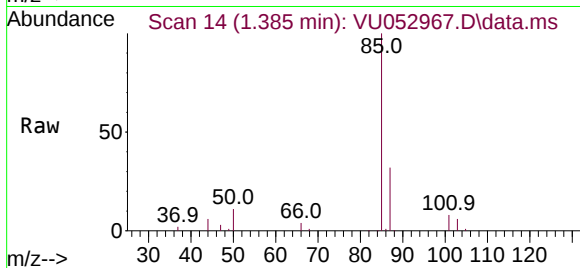




#2
 Dichlorodifluoromethane
 Concen: 3.495 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.003 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

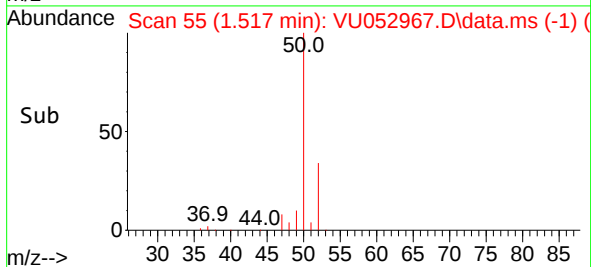
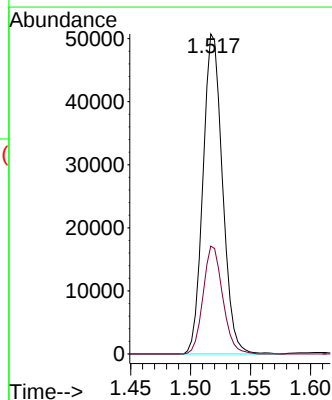
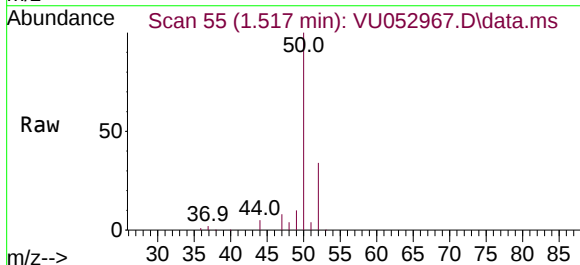
Instrument :
 MSVOA_U
 ClientSampleId :
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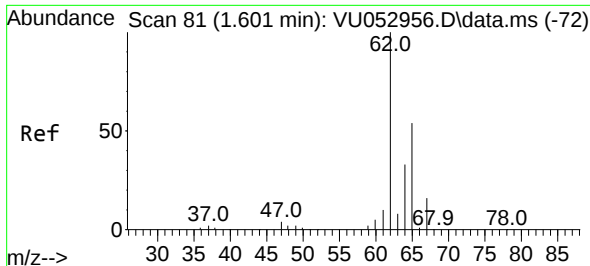
Tgt Ion: 85 Resp: 52177
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.5 38.3



#3
 Chloromethane
 Concen: 3.165 ug/L
 RT: 1.517 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

Tgt Ion: 50 Resp: 57388
 Ion Ratio Lower Upper
 50 100
 52 33.7 22.7 42.3

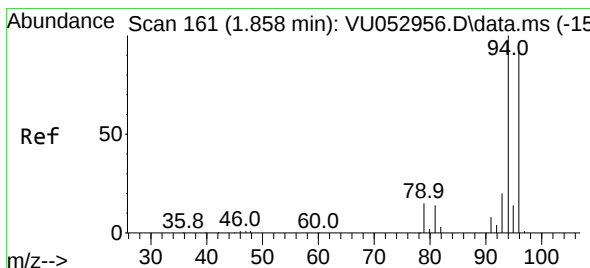
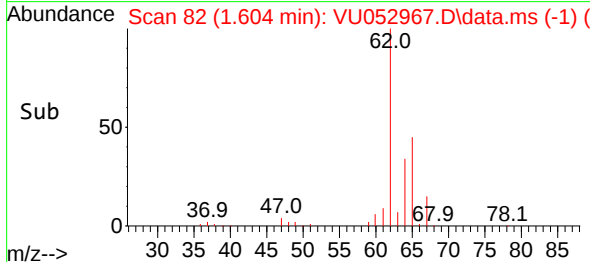
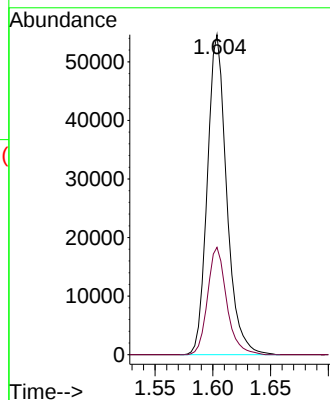
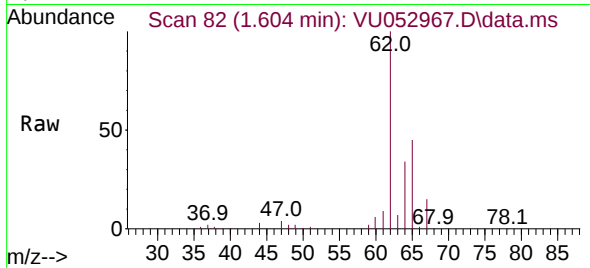




#5
 Vinyl chloride
 Concen: 3.667 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

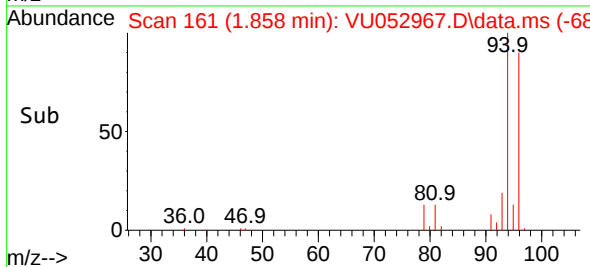
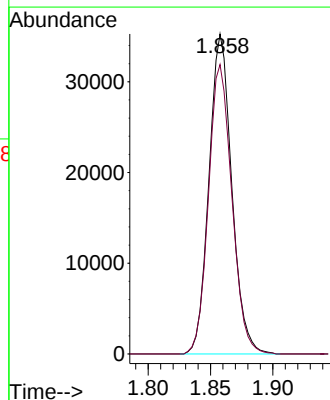
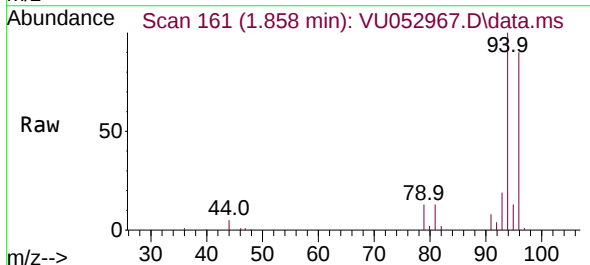
Instrument :
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 ClientSampleId :
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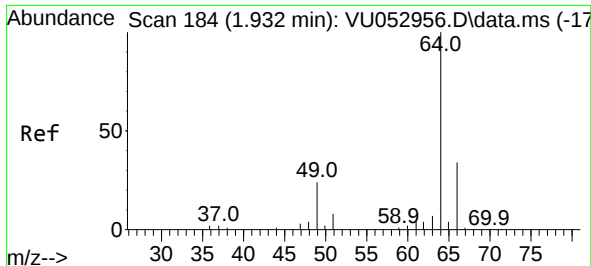
Tgt Ion: 62 Resp: 63607
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.3 41.3



#6
 Bromomethane
 Concen: 4.987 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

Tgt Ion: 94 Resp: 44903
 Ion Ratio Lower Upper
 94 100
 96 90.5 62.2 115.6

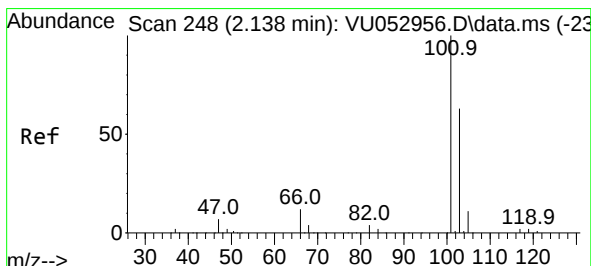
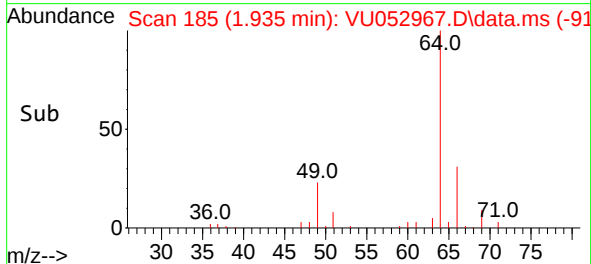
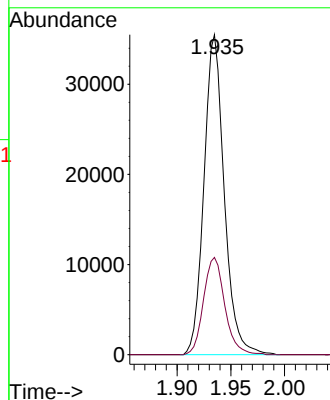
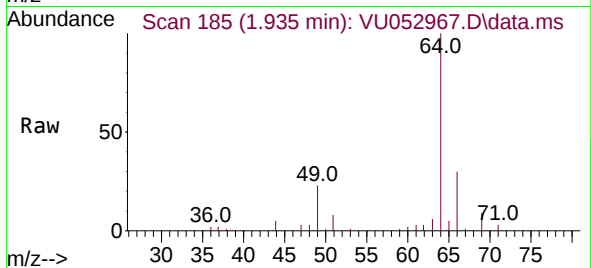




#8
Chloroethane
Concen: 4.415 ug/L
RT: 1.935 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

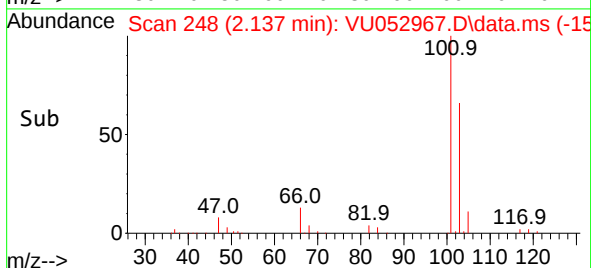
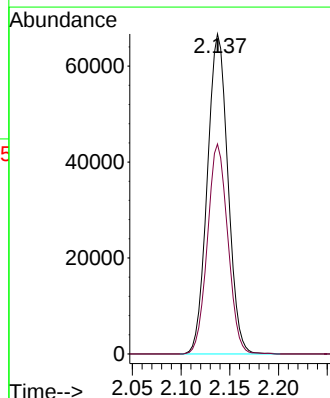
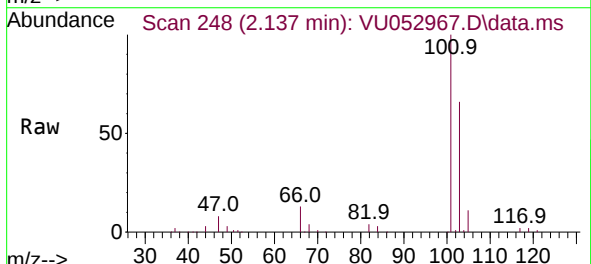
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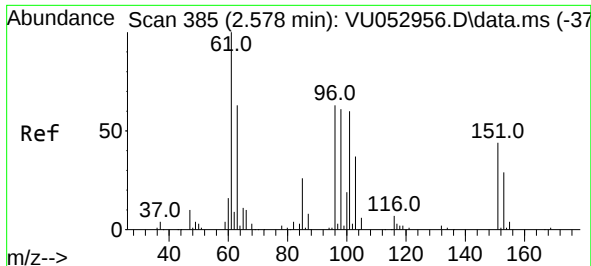
Tgt Ion: 64 Resp: 46567
Ion Ratio Lower Upper
64 100
66 30.4 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.793 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 101 Resp: 98016
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.6

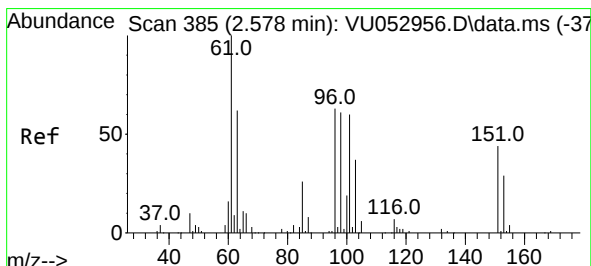
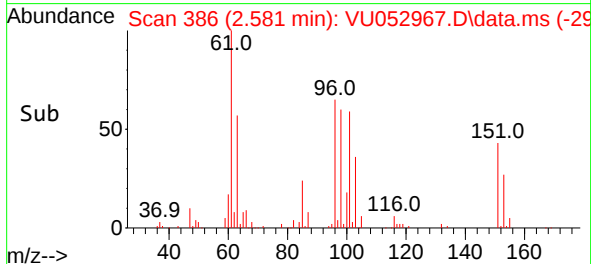
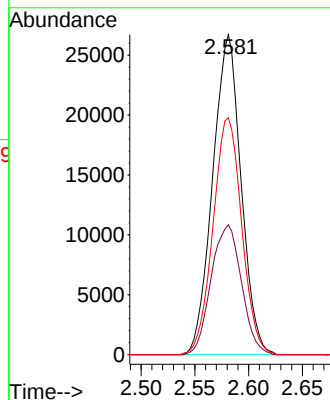
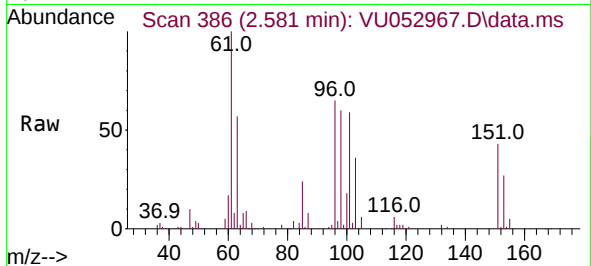




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.076 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

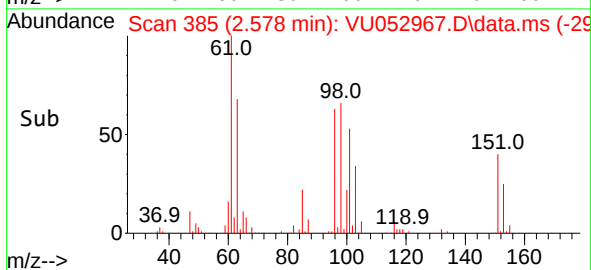
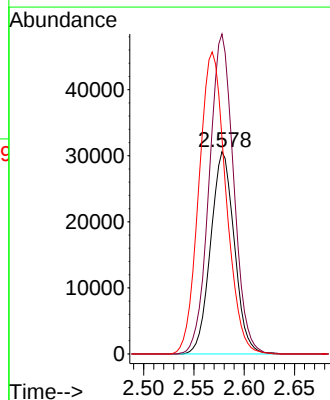
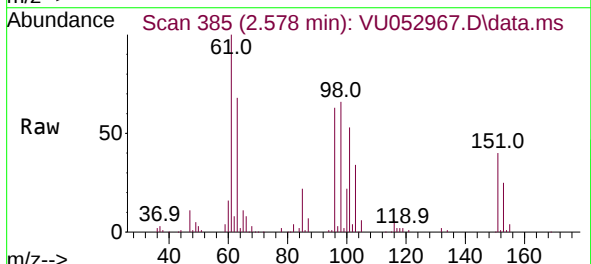
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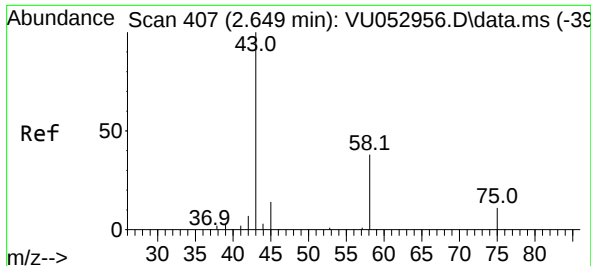
Tgt Ion:101 Resp: 49038
Ion Ratio Lower Upper
101 100
85 43.3 35.0 52.6
151 74.9 55.0 82.6



#12
1,1-Dichloroethene
Concen: 4.157 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 96 Resp: 50082
Ion Ratio Lower Upper
96 100
61 158.3 129.6 240.8
63 107.1 83.7 155.5





#13

Acetone

Concen: 37.355 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

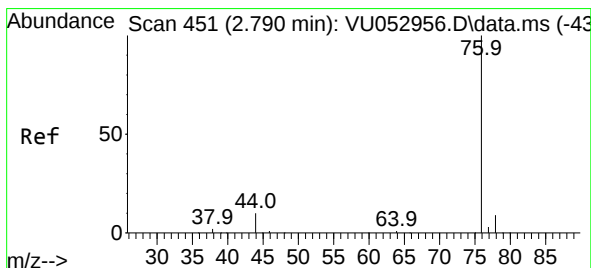
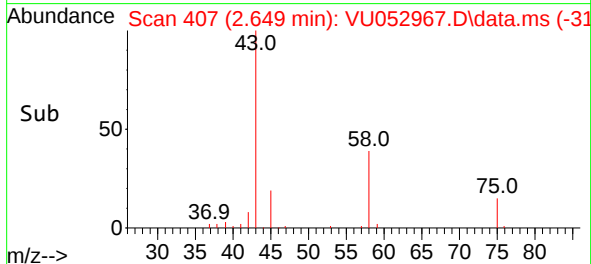
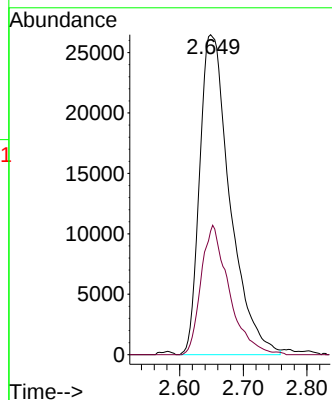
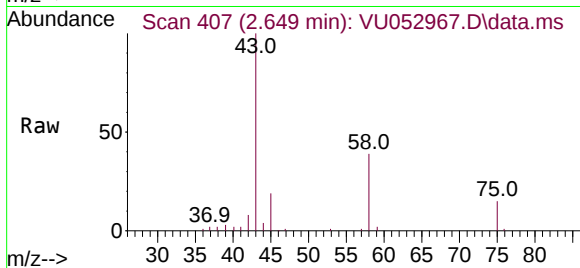
VSTD005133

Tgt Ion: 43 Resp: 87456

Ion Ratio Lower Upper

43 100

58 37.5 0.0 68.8



#14

Carbon disulfide

Concen: 3.323 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

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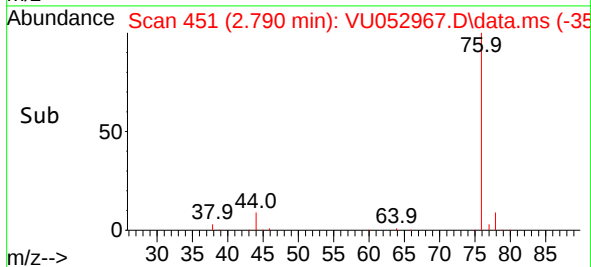
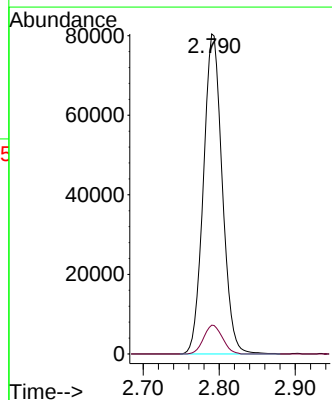
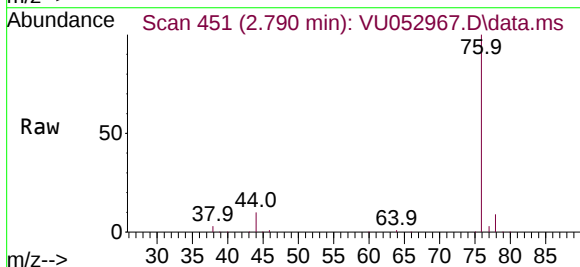
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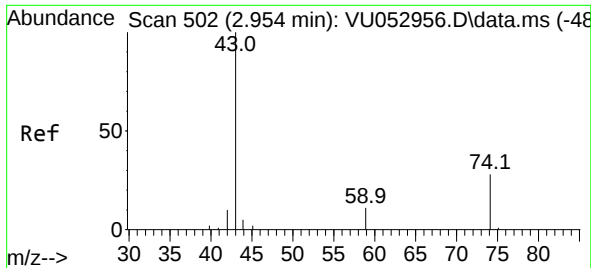
Tgt Ion: 76 Resp: 138350

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

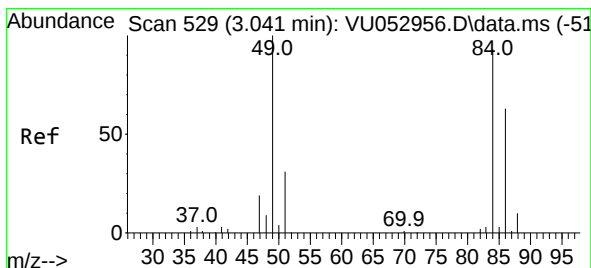
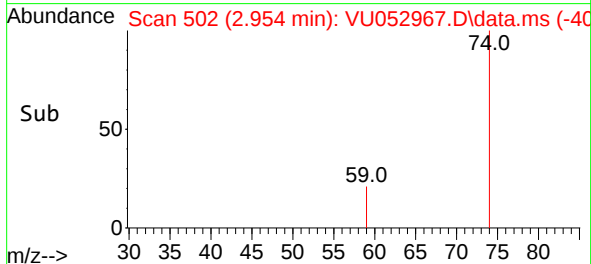
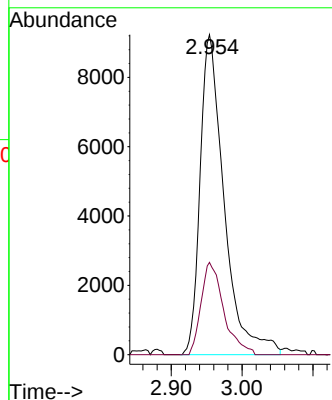
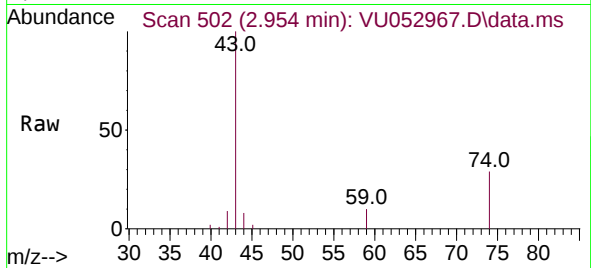




#15
Methyl Acetate
Concen: 3.869 ug/L
RT: 2.954 min Scan# 502
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

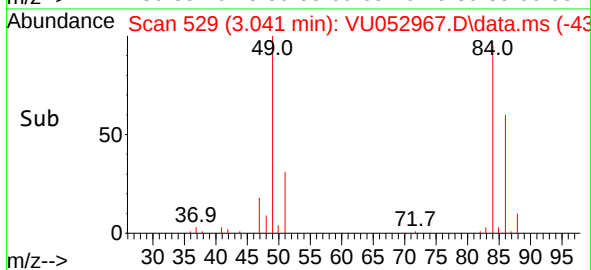
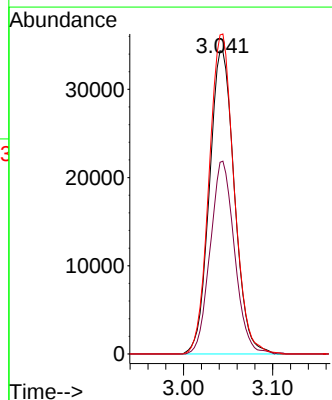
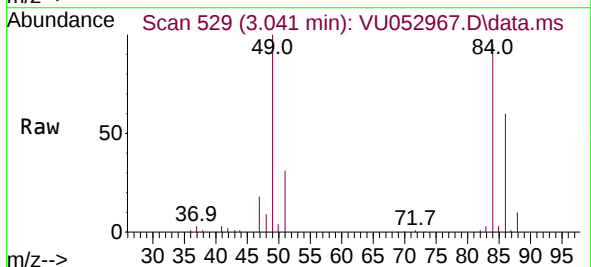
Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

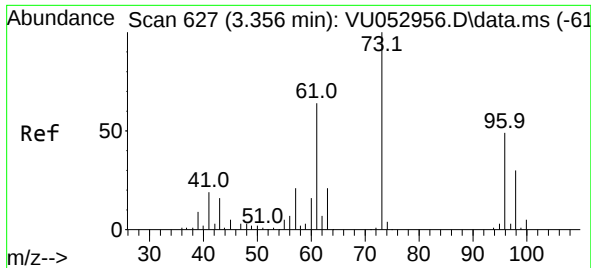
Tgt Ion: 43 Resp: 21716
Ion Ratio Lower Upper
43 100
74 27.1 17.5 26.3#



#16
Methylene chloride
Concen: 4.187 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 84 Resp: 67128
Ion Ratio Lower Upper
84 100
86 63.2 45.6 84.6
49 105.2 94.8 176.0

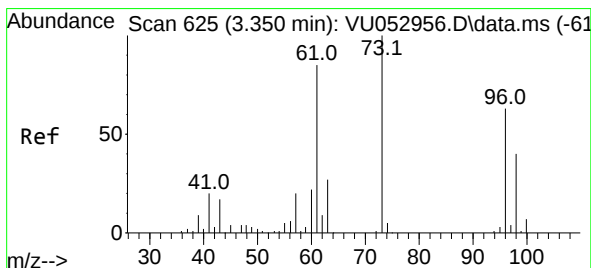
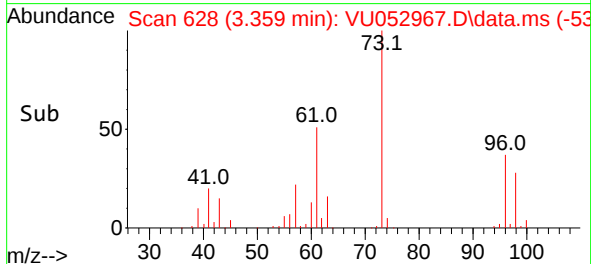
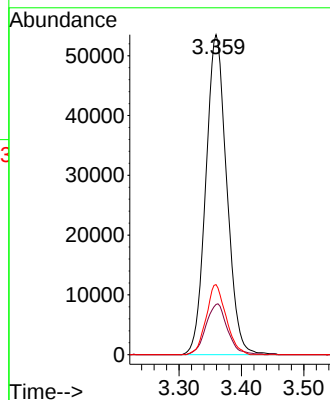
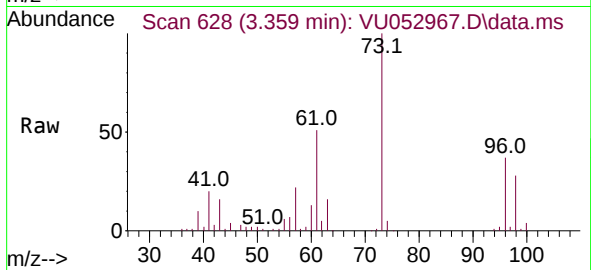




#17
Methyl tert-butyl Ether
Concen: 4.669 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

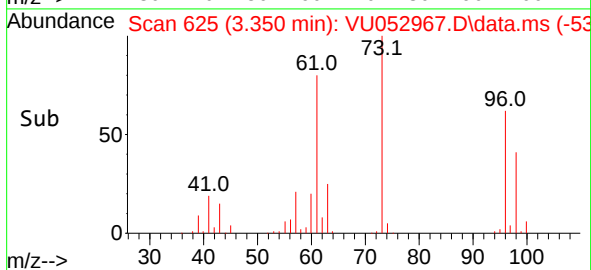
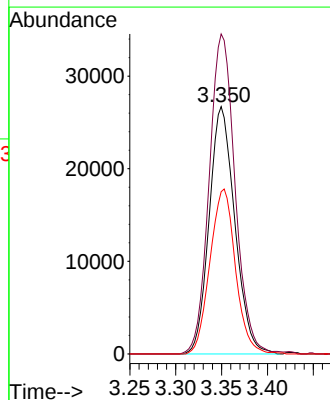
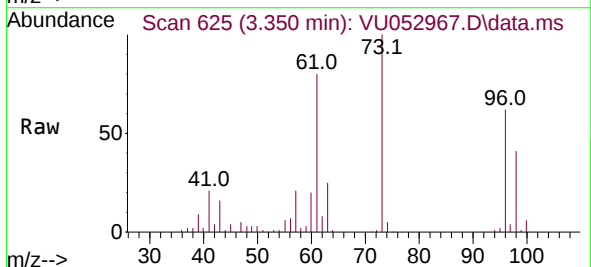
Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

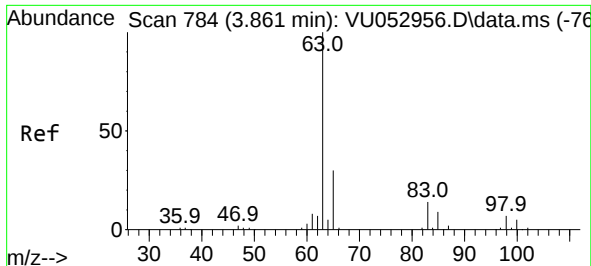
Tgt Ion: 73 Resp: 124476
Ion Ratio Lower Upper
73 100
43 16.4 15.8 23.8
57 21.0 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.230 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 96 Resp: 51981
Ion Ratio Lower Upper
96 100
61 129.4 108.4 201.4
98 65.6 43.8 81.4





#19

1,1-Dichloroethane

Concen: 4.138 ug/L

RT: 3.864 min Scan# 784

Delta R.T. 0.003 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005133

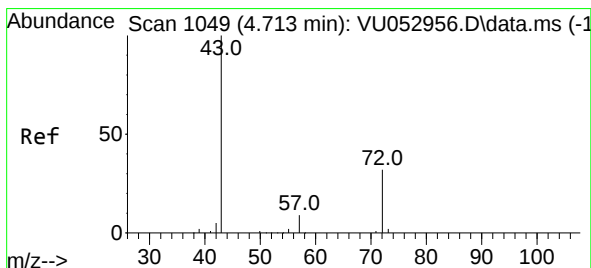
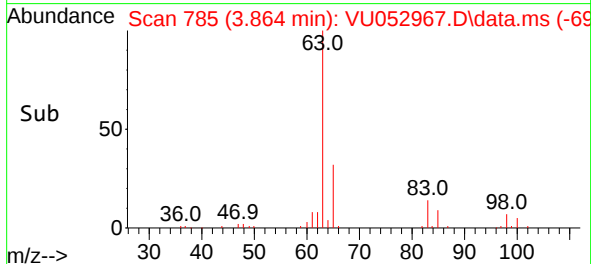
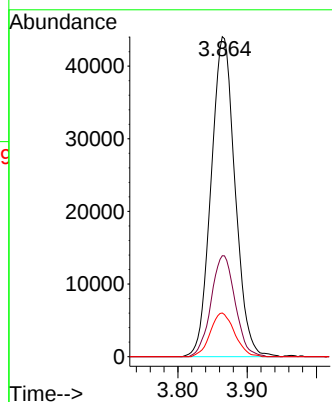
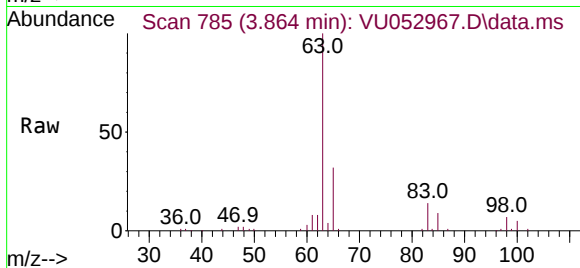
Tgt Ion: 63 Resp: 105585

Ion Ratio Lower Upper

63 100

65 31.6 22.0 41.0

83 13.6 8.9 16.5



#21

2-Butanone

Concen: 35.830 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU052967.D

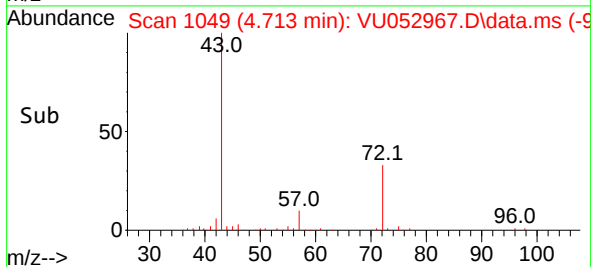
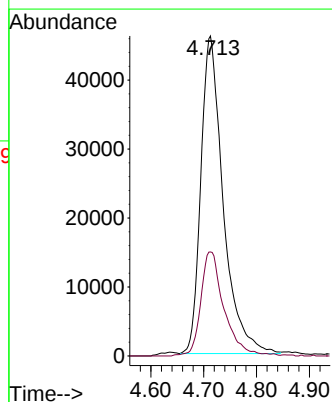
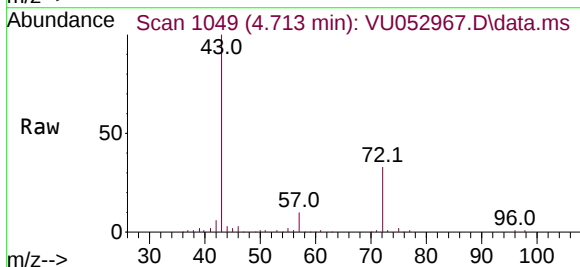
Acq: 05 Feb 2023 21:01

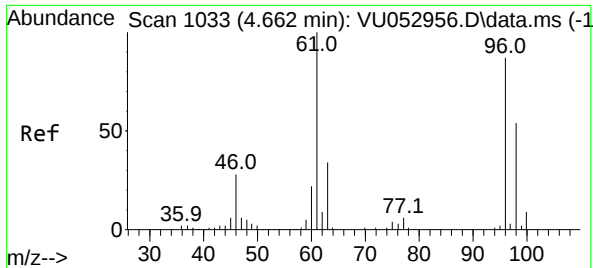
Tgt Ion: 43 Resp: 135037

Ion Ratio Lower Upper

43 100

72 33.7 12.9 38.6

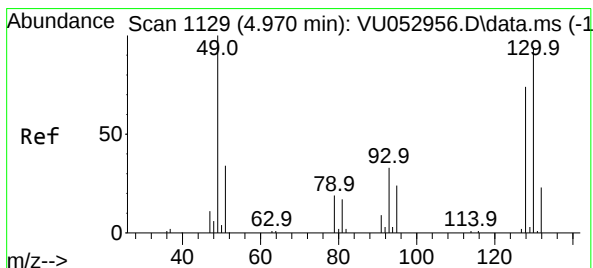
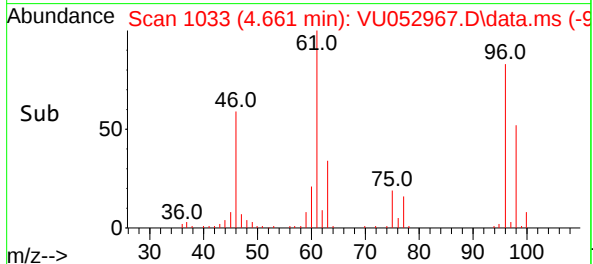
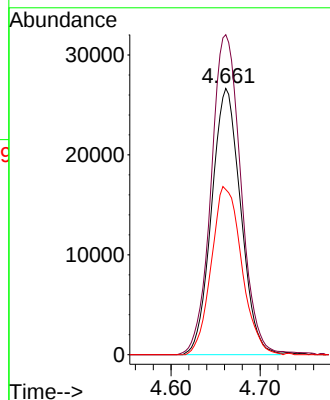
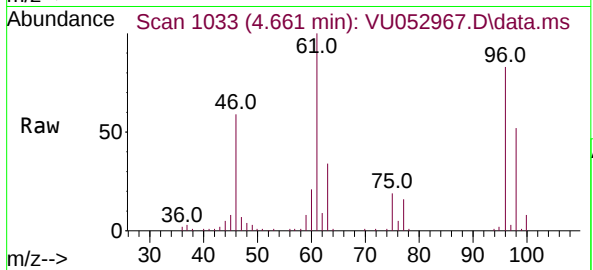




#22
 cis-1,2-Dichloroethene
 Concen: 4.581 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

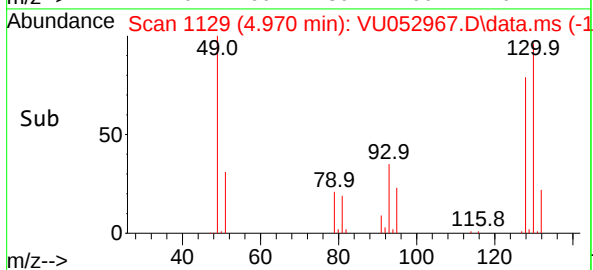
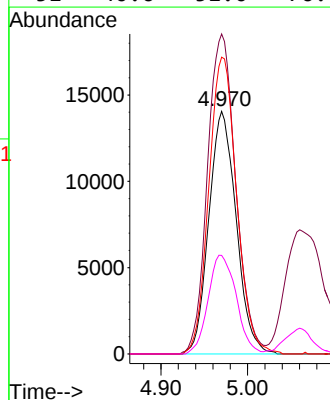
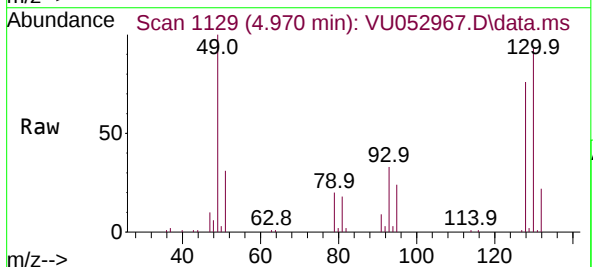
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005133

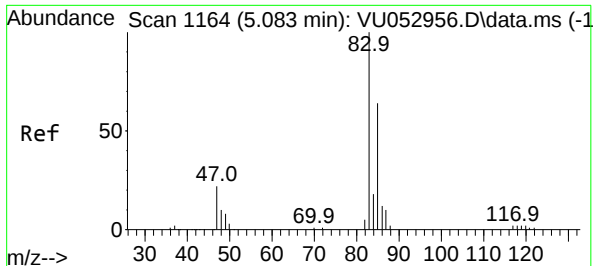
Tgt Ion: 96 Resp: 60445
 Ion Ratio Lower Upper
 96 100
 61 120.2 94.6 175.8
 98 62.0 43.3 80.3



#23
 Bromochloromethane
 Concen: 5.523 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

Tgt Ion: 128 Resp: 30851
 Ion Ratio Lower Upper
 128 100
 49 131.9 142.8 265.2#
 130 122.4 91.3 169.5
 51 40.6 51.0 76.4#





#25

Chloroform

Concen: 4.593 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

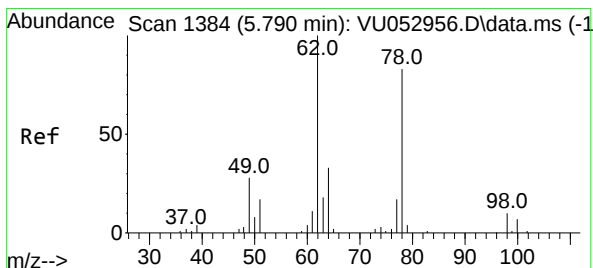
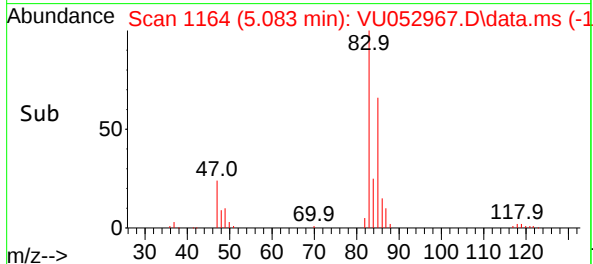
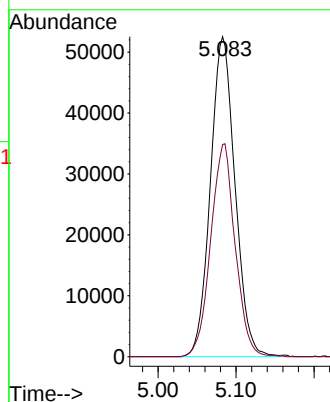
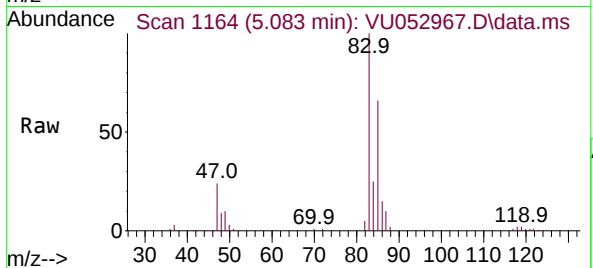
VSTD005133

Tgt Ion: 83 Resp: 115213

Ion Ratio Lower Upper

83 100

85 66.3 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.634 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU052967.D

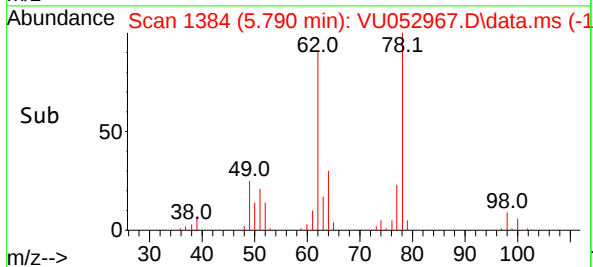
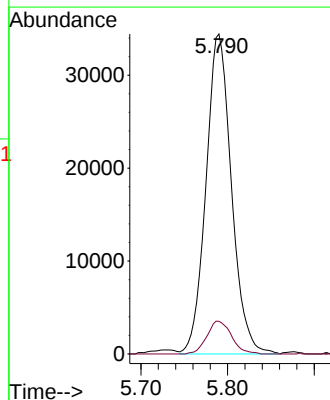
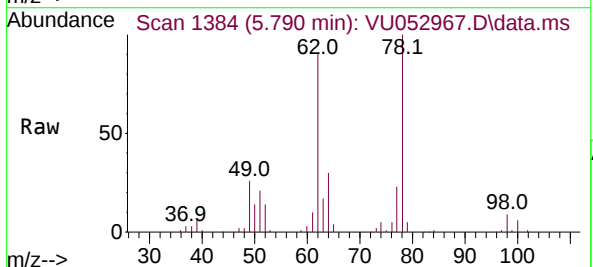
Acq: 05 Feb 2023 21:01

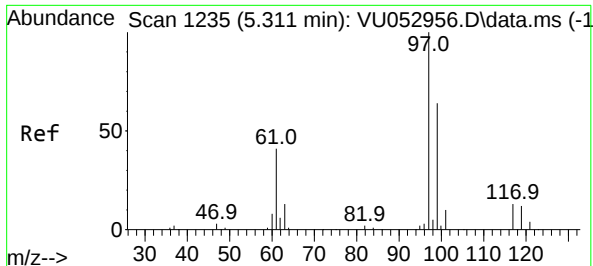
Tgt Ion: 62 Resp: 70444

Ion Ratio Lower Upper

62 100

98 10.2 7.5 11.3

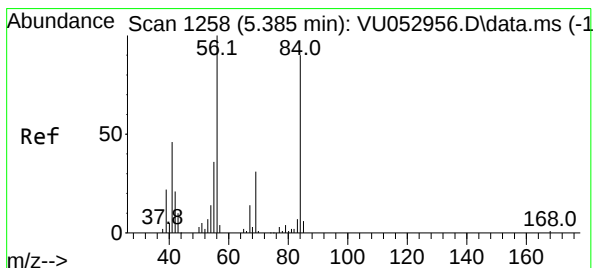
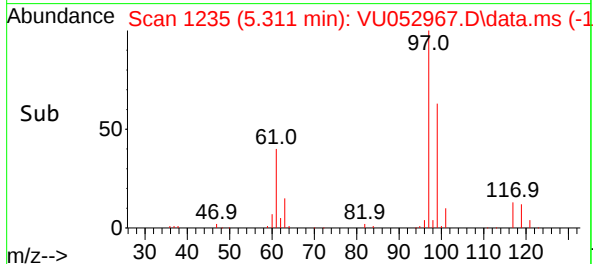
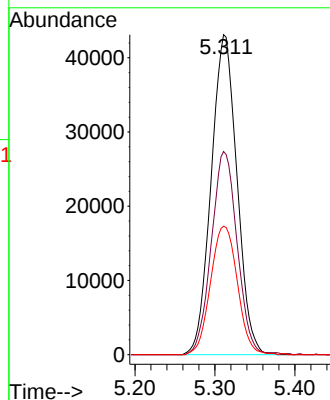
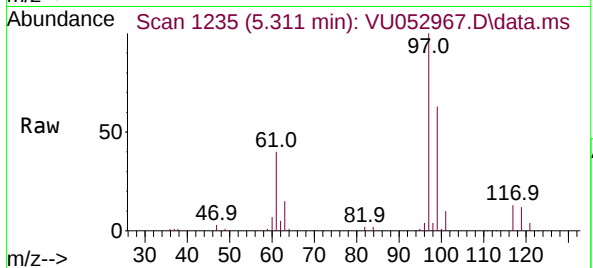




#29
1,1,1-Trichloroethane
Concen: 4.537 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

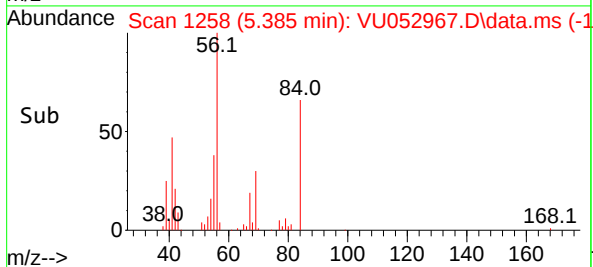
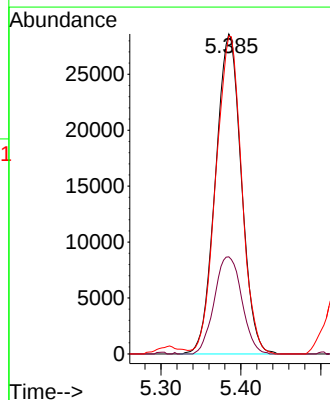
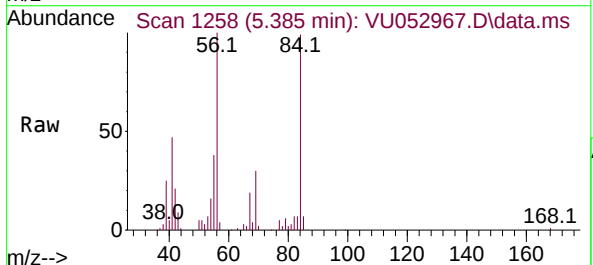
Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

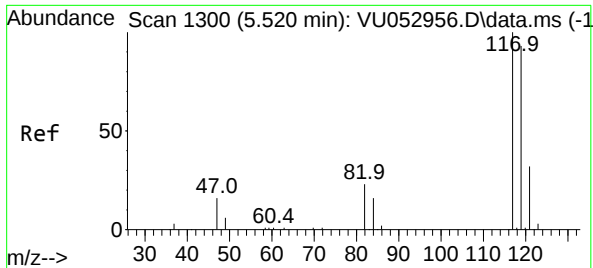
Tgt Ion: 97	Resp: 96663
Ion Ratio	Lower Upper
97 100	
99 63.5	52.4 78.6
61 41.8	38.5 57.7



#30
Cyclohexane
Concen: 2.997 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 56	Resp: 64255
Ion Ratio	Lower Upper
56 100	
69 32.2	23.8 35.8
84 98.8	66.2 99.4

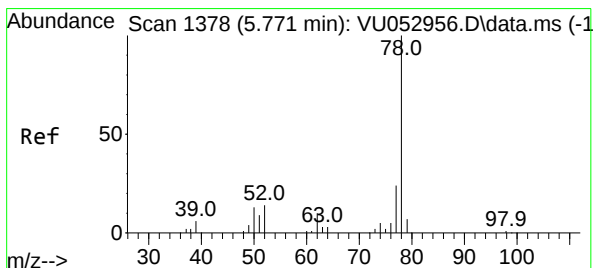
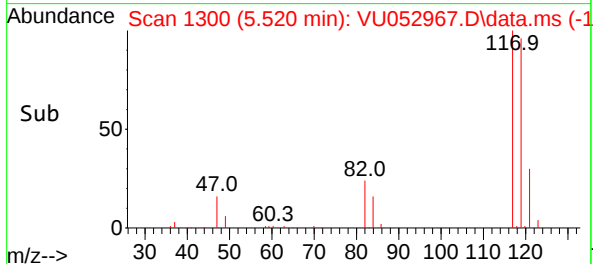
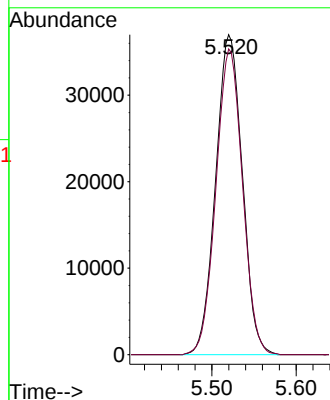
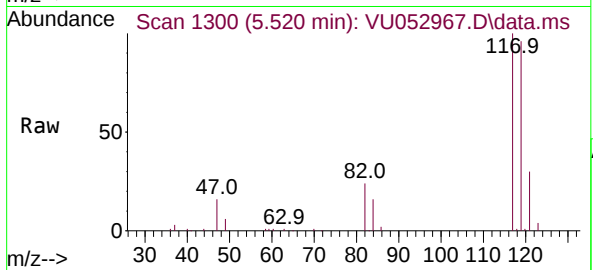




#31
Carbon tetrachloride
Concen: 4.870 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

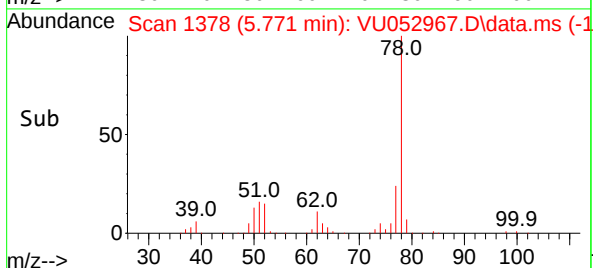
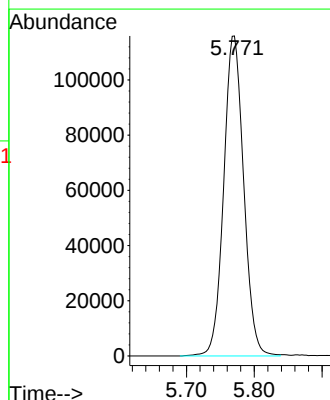
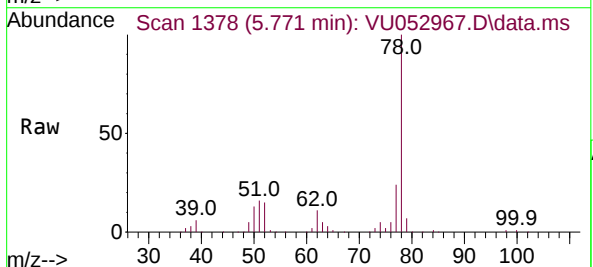
Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

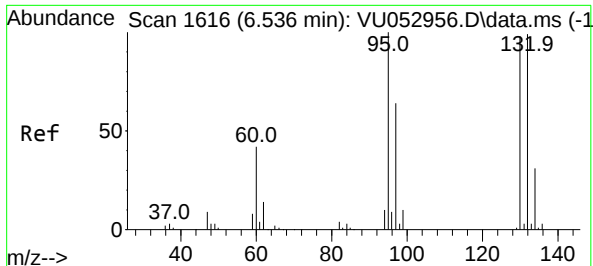
Tgt Ion:117 Resp: 81300
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.8



#33
Benzene
Concen: 4.417 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 78 Resp: 237418



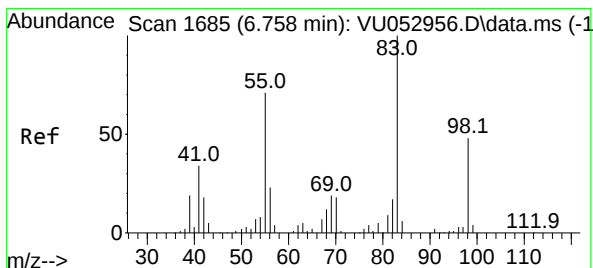
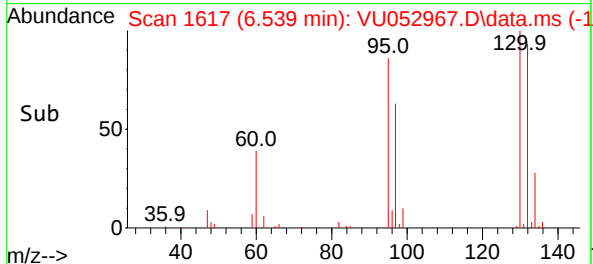
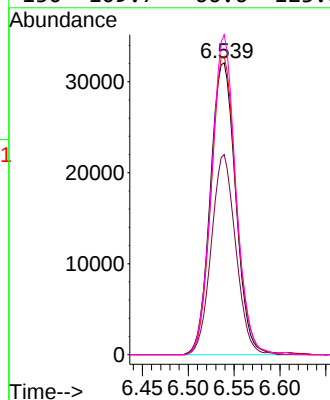
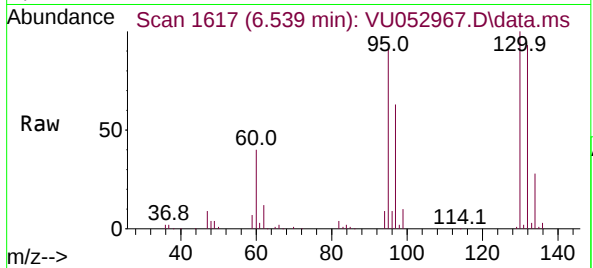


#34
Trichloroethene
Concen: 4.857 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

Tgt Ion: 95 Resp: 61754

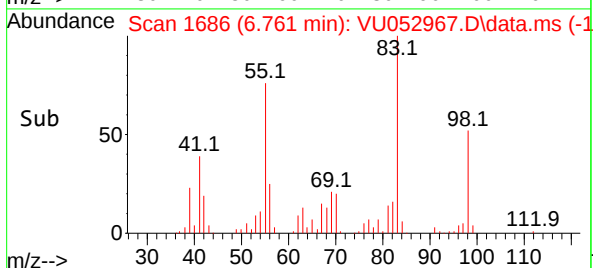
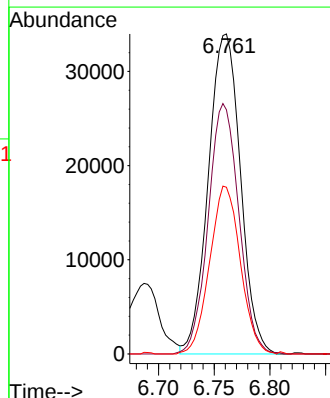
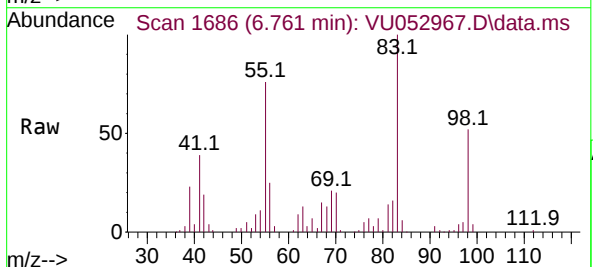
Ion	Ratio	Lower	Upper
95	100		
97	68.6	46.0	85.4
132	102.3	64.0	118.8
130	109.7	66.6	123.8

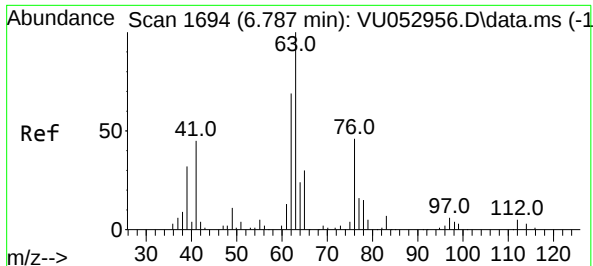


#35
Methylcyclohexane
Concen: 3.252 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 83 Resp: 68269

Ion	Ratio	Lower	Upper
83	100		
55	74.7	67.6	101.4
98	50.0	37.1	55.7





#37

1,2-Dichloropropane

Concen: 4.267 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

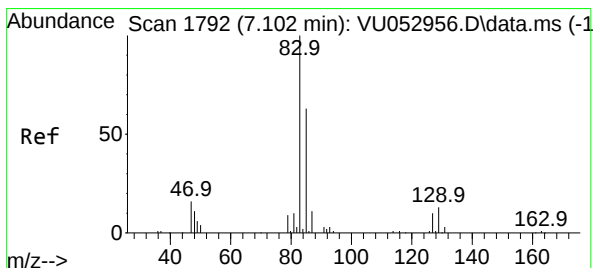
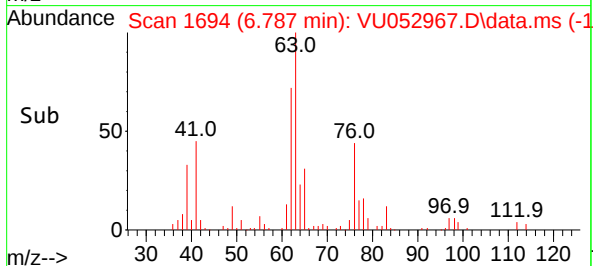
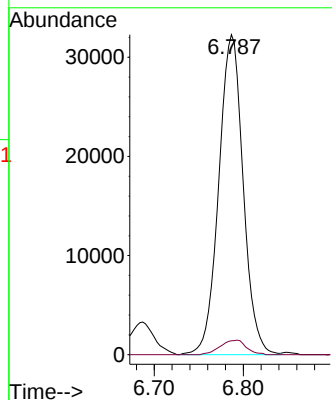
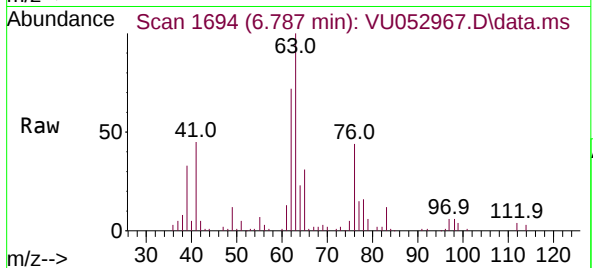
VSTD005133

Tgt Ion: 63 Resp: 61558

Ion Ratio Lower Upper

63 100

112 4.8 2.9 4.3#



#38

Bromodichloromethane

Concen: 4.802 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

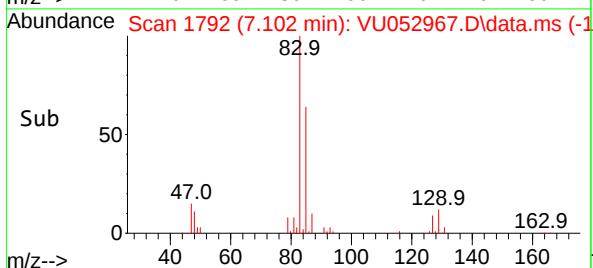
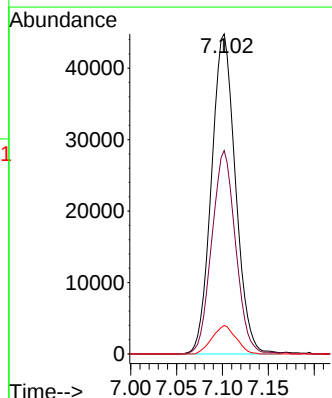
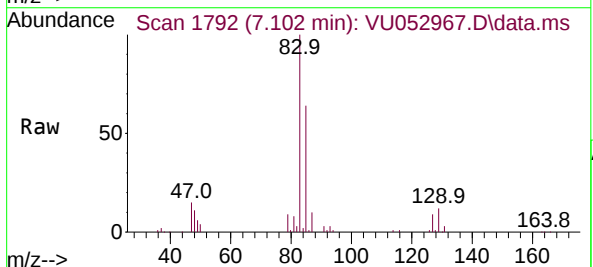
Tgt Ion: 83 Resp: 81554

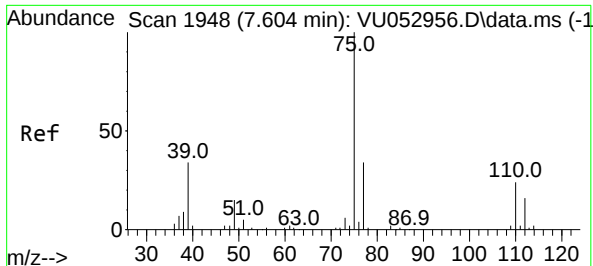
Ion Ratio Lower Upper

83 100

85 63.5 47.0 87.4

127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.105 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

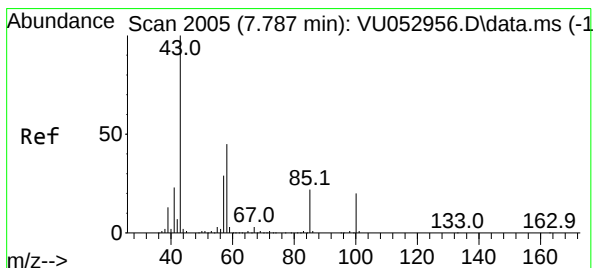
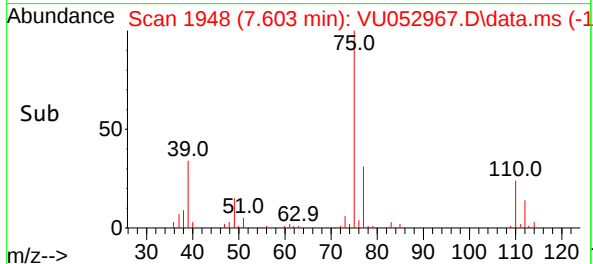
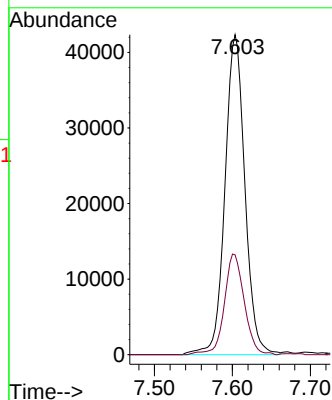
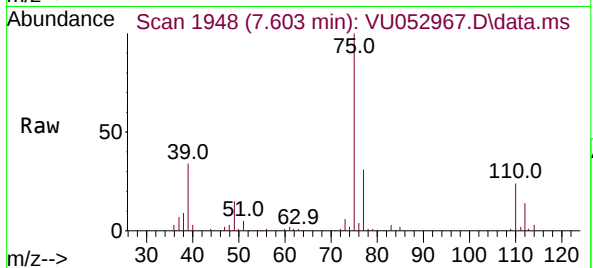
VSTD005133

Tgt Ion: 75 Resp: 75169

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 39.544 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

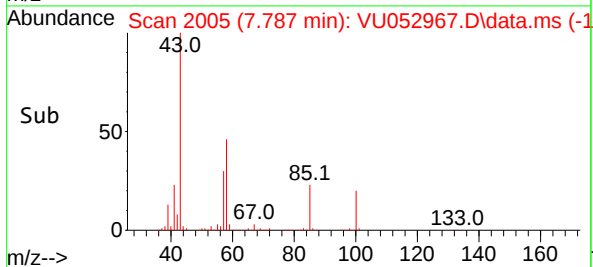
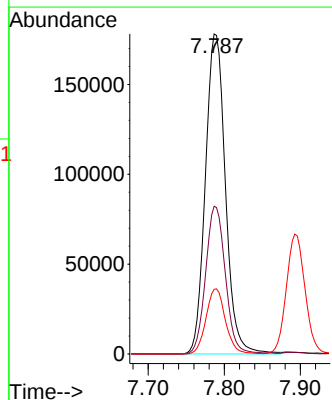
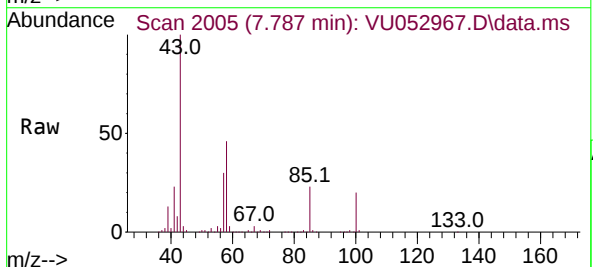
Tgt Ion: 43 Resp: 326246

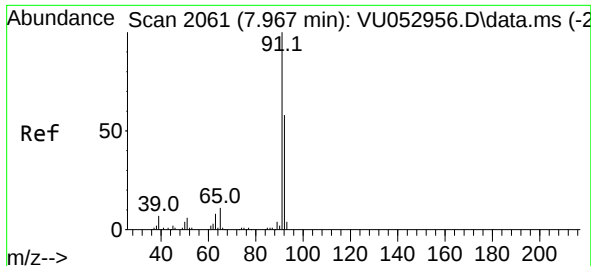
Ion Ratio Lower Upper

43 100

58 45.6 32.0 48.0

100 19.7 11.3 16.9#





#42

Toluene

Concen: 4.517 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

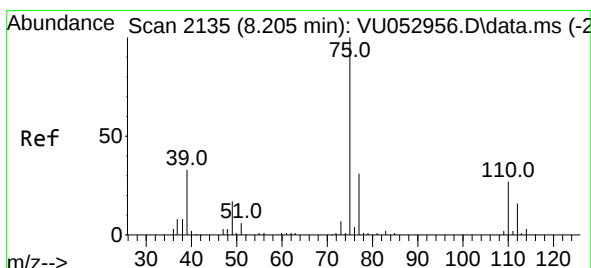
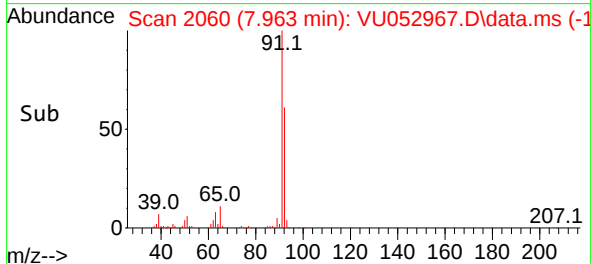
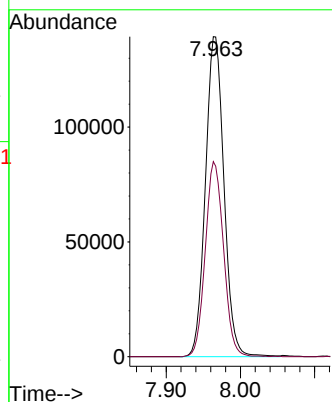
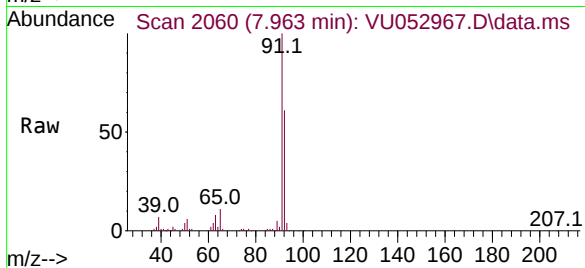
VSTD005133

Tgt Ion: 91 Resp: 241858

Ion Ratio Lower Upper

91 100

92 60.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.237 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052967.D

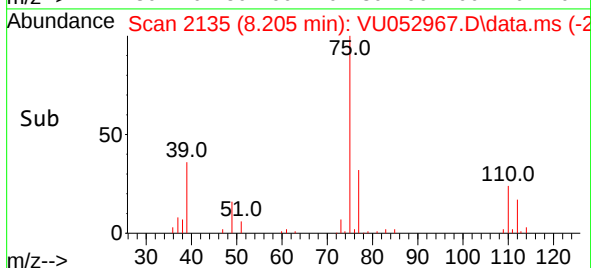
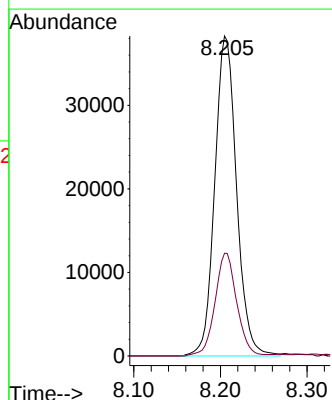
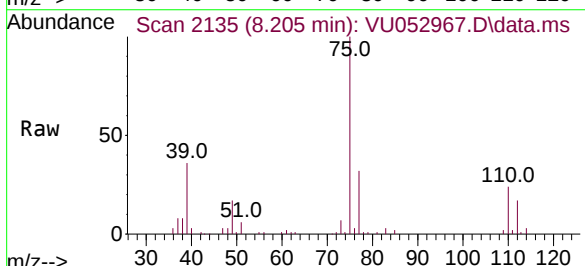
Acq: 05 Feb 2023 21:01

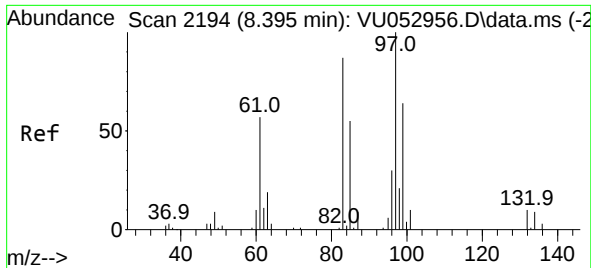
Tgt Ion: 75 Resp: 66974

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5



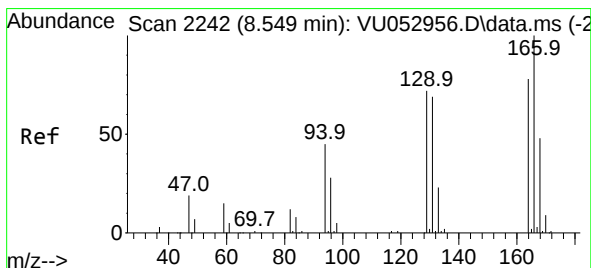
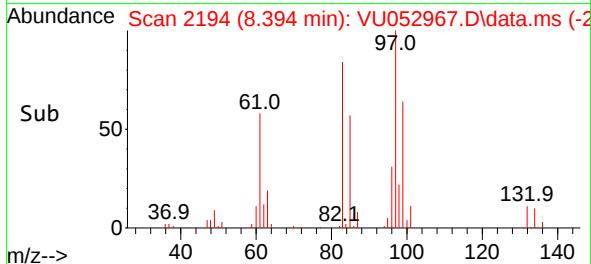
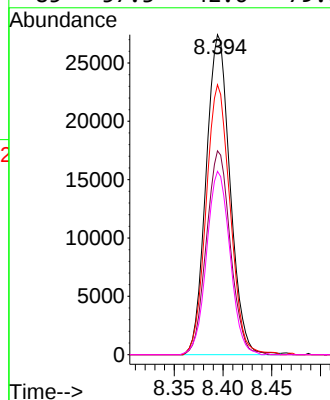
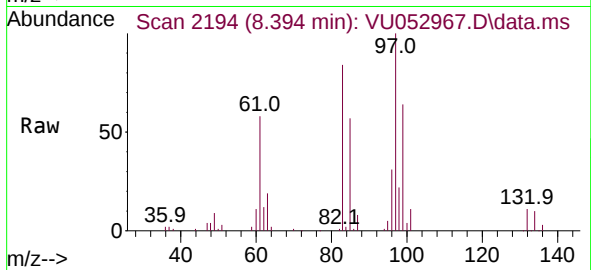


#45
1,1,2-Trichloroethane
Concen: 5.175 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

Tgt Ion: 97 Resp: 46954

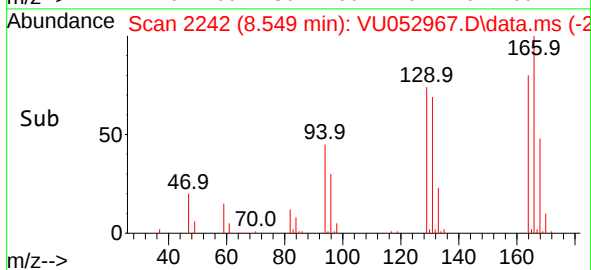
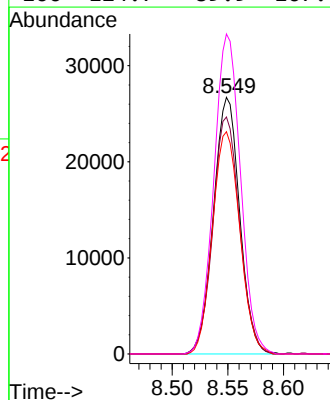
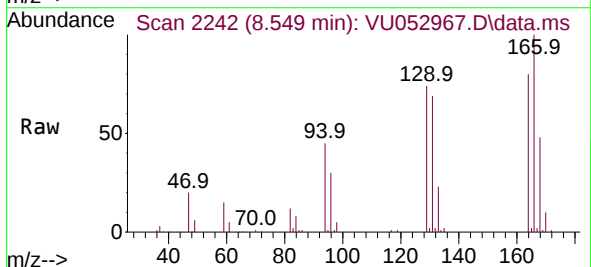
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.8	83.2
83	84.4	65.3	121.3
85	57.3	42.6	79.0

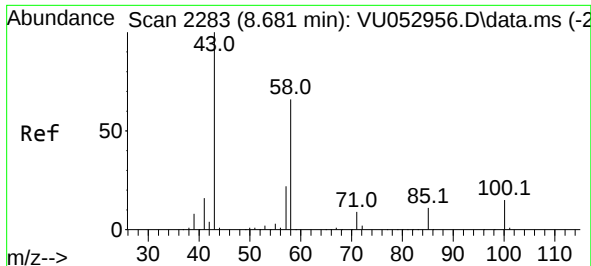


#47
Tetrachloroethene
Concen: 4.675 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 164 Resp: 43799

Ion	Ratio	Lower	Upper
164	100		
129	92.3	71.8	133.4
131	86.6	66.6	123.6
166	124.7	89.9	167.0

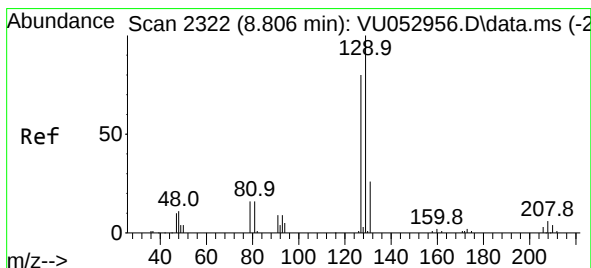
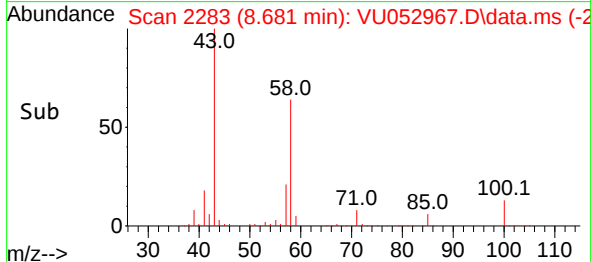
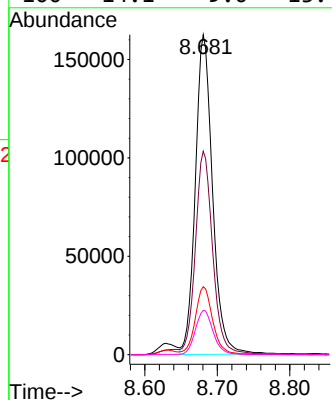
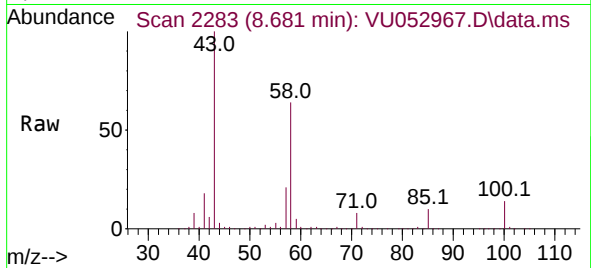




#48
2-Hexanone
Concen: 44.352 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

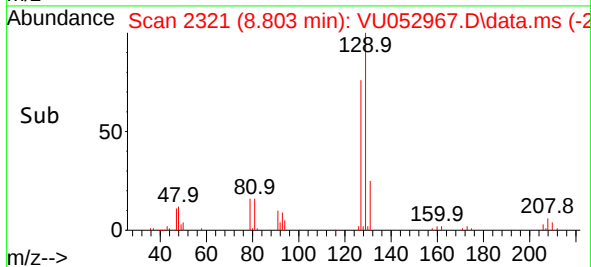
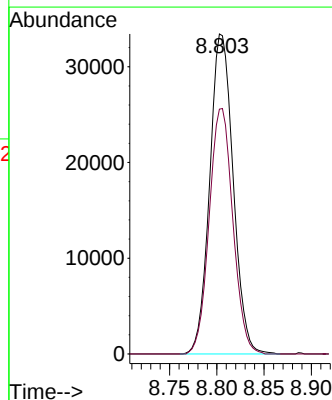
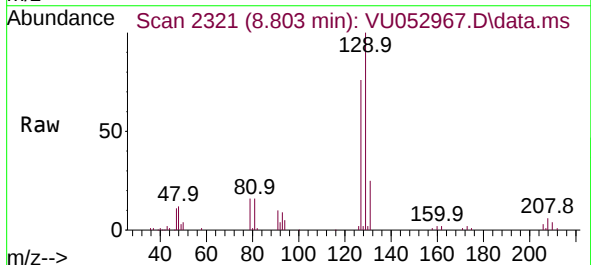
Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

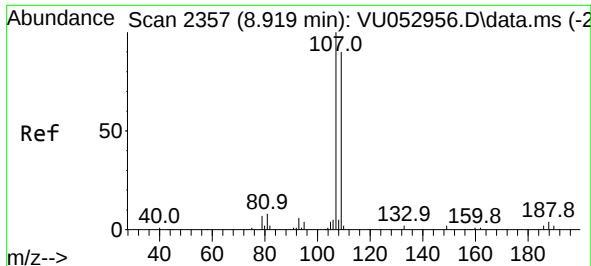
Tgt Ion: 43 Resp: 267913
Ion Ratio Lower Upper
43 100
58 63.7 45.1 67.7
57 21.6 15.1 22.7
100 14.1 9.0 13.4#



#49
Dibromochloromethane
Concen: 5.496 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 129 Resp: 57656
Ion Ratio Lower Upper
129 100
127 76.5 53.5 99.5





#50

1,2-Dibromoethane

Concen: 5.371 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005133

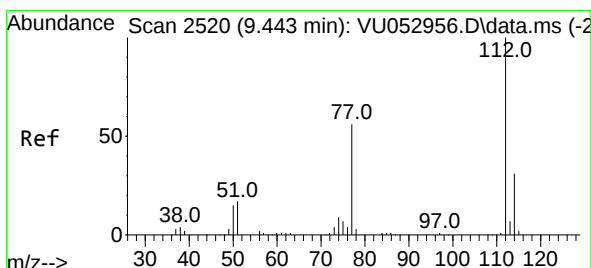
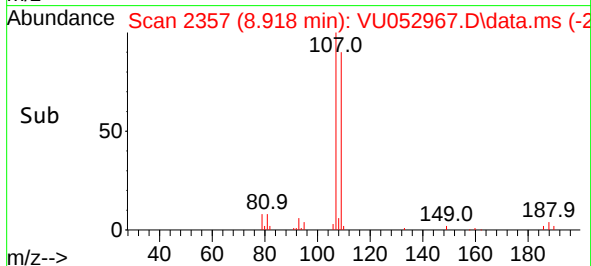
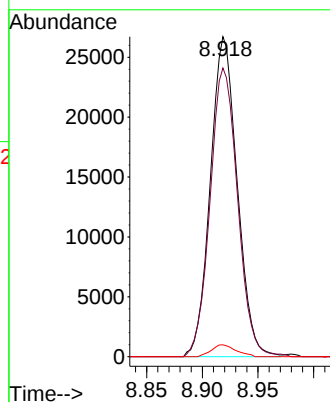
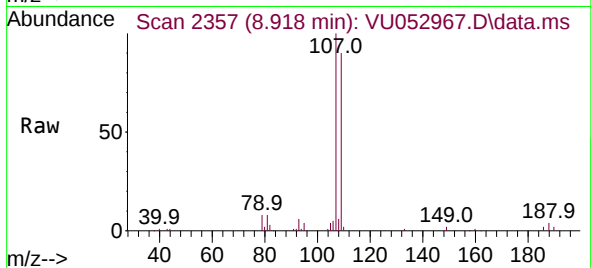
Tgt Ion:107 Resp: 44801

Ion Ratio Lower Upper

107 100

109 90.2 65.3 121.3

188 3.7 2.4 3.6#



#51

Chlorobenzene

Concen: 4.632 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

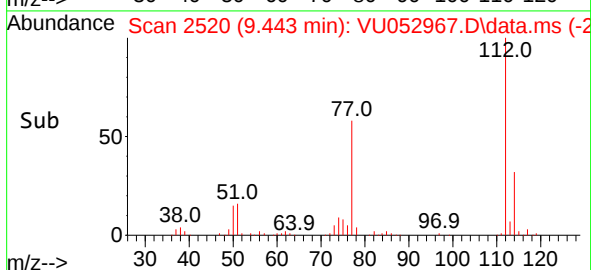
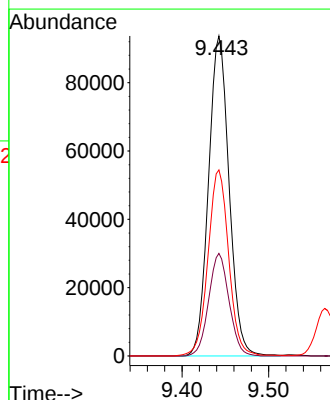
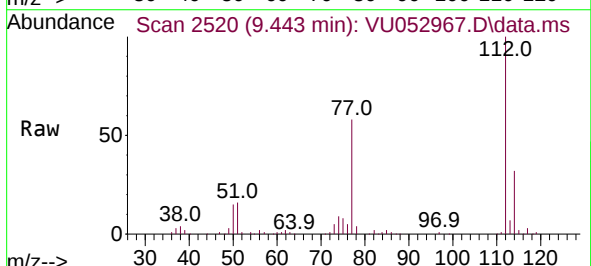
Tgt Ion:112 Resp: 154493

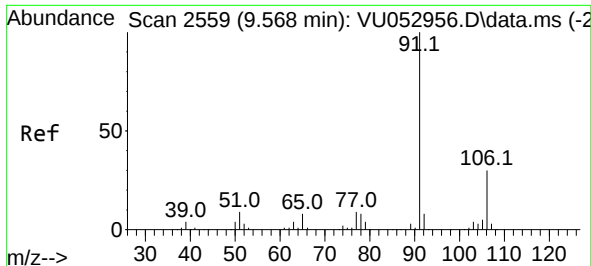
Ion Ratio Lower Upper

112 100

114 32.1 22.8 42.4

77 58.2 50.2 75.4

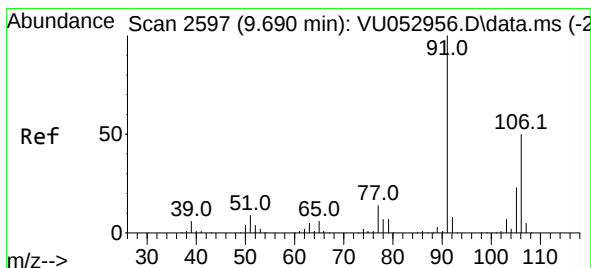
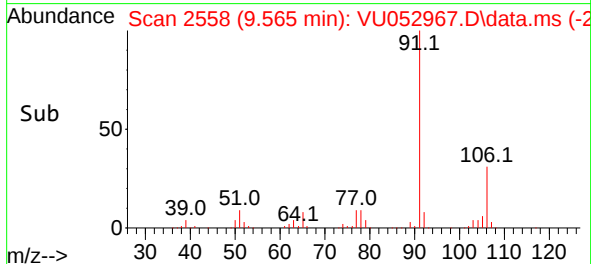
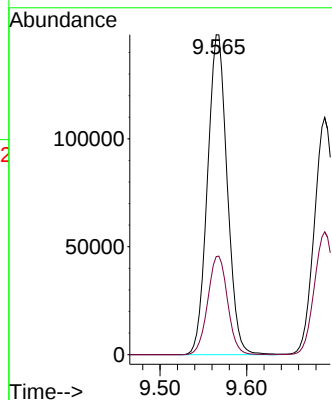
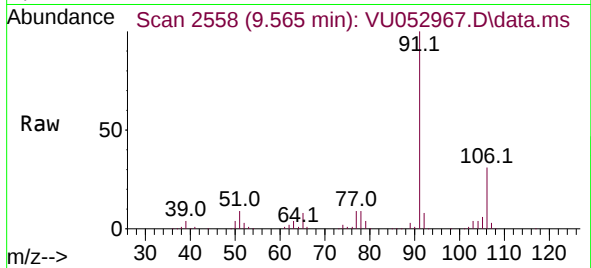




#52
Ethylbenzene
Concen: 4.304 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

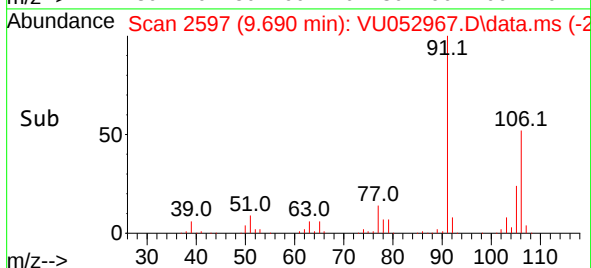
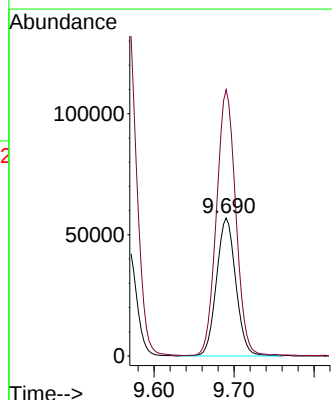
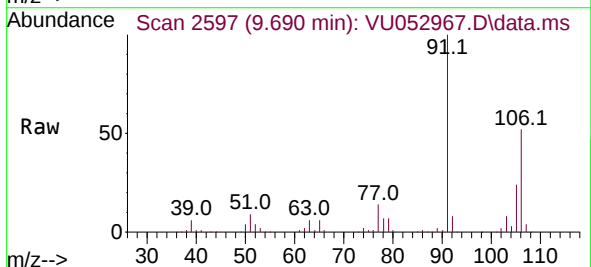
Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

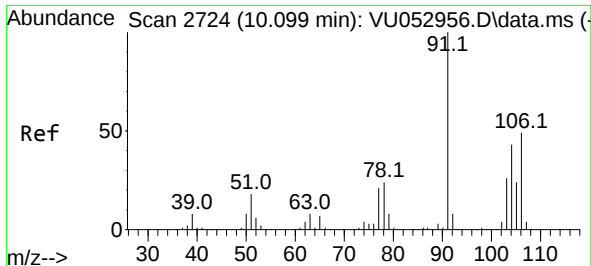
Tgt Ion: 91 Resp: 234754
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.3



#53
m,p-Xylene
Concen: 4.606 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion:106 Resp: 95172
Ion Ratio Lower Upper
106 100
91 193.0 144.3 267.9

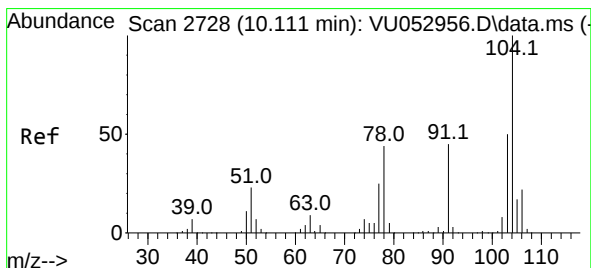
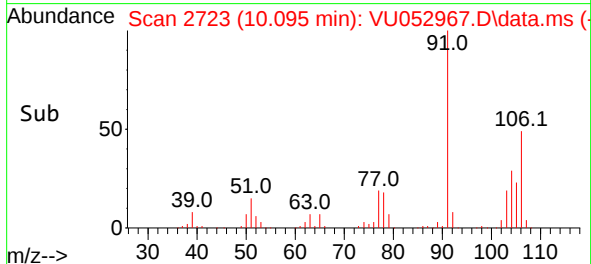
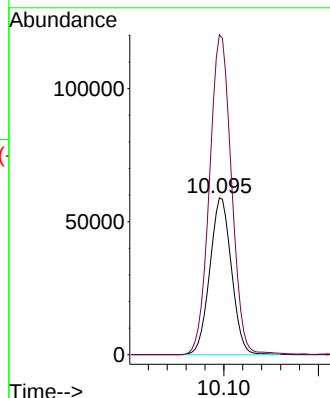
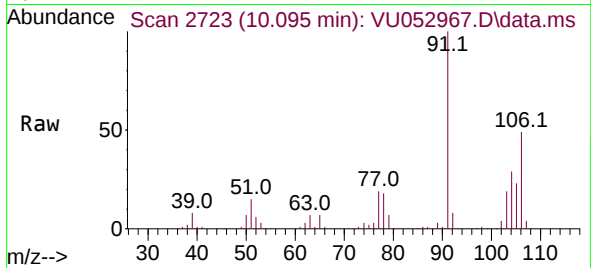




#54
o-Xylene
Concen: 4.745 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

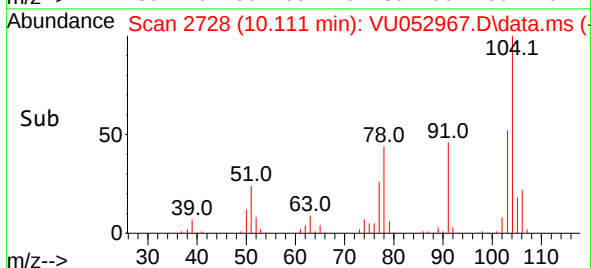
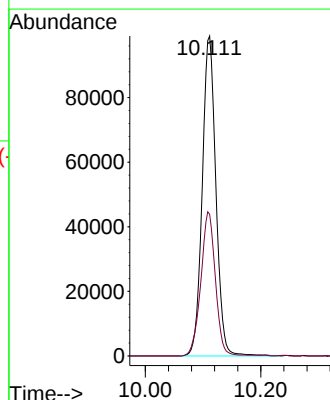
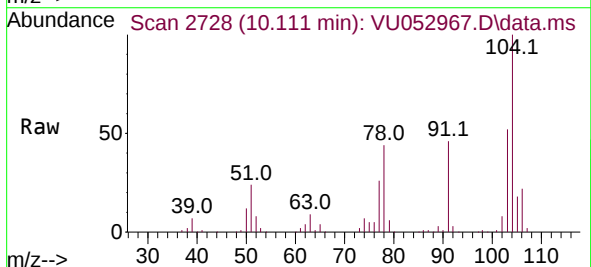
Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

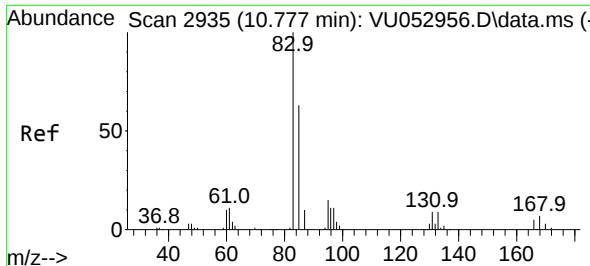
Tgt Ion:106 Resp: 93746
Ion Ratio Lower Upper
106 100
91 204.2 148.7 276.1



#55
Styrene
Concen: 4.842 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion:104 Resp: 163143
Ion Ratio Lower Upper
104 100
78 44.3 32.8 60.8

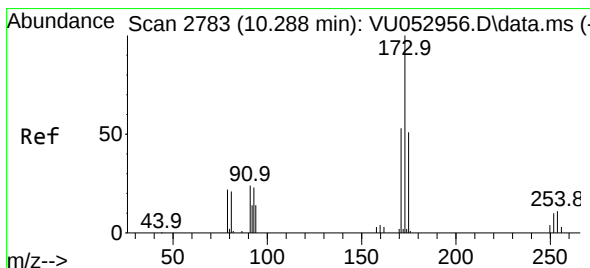
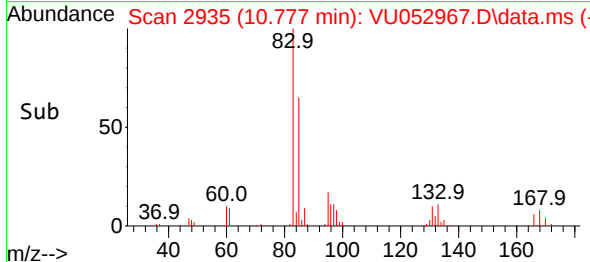
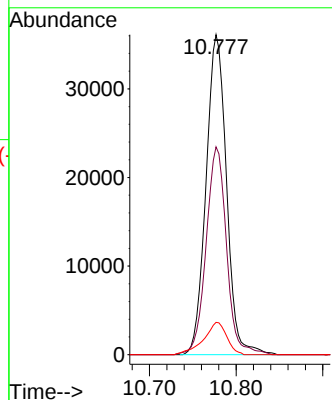
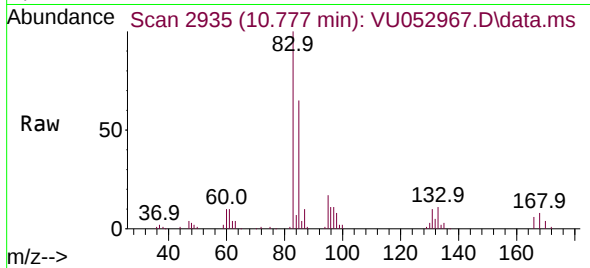




#57
1,1,2,2-Tetrachloroethane
Concen: 5.013 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

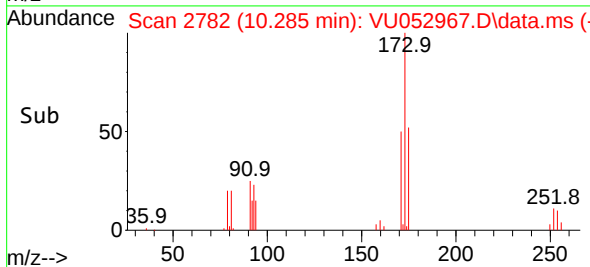
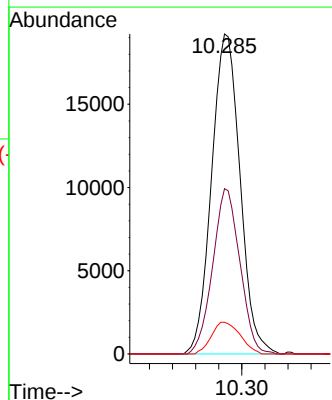
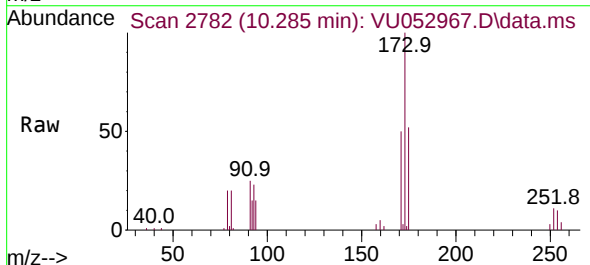
Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

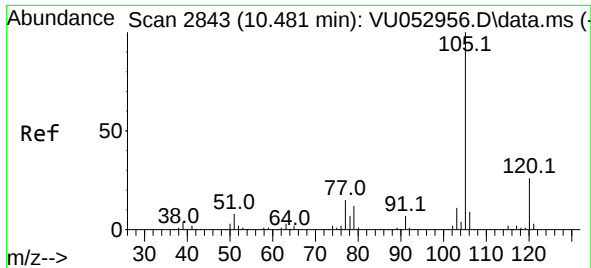
Tgt Ion: 83 Resp: 59416
Ion Ratio Lower Upper
83 100
85 64.9 43.7 81.1
131 10.1 7.0 10.6



#59
Bromoform
Concen: 5.795 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 173 Resp: 32905
Ion Ratio Lower Upper
173 100
175 49.3 38.2 57.4
254 10.0 7.3 10.9

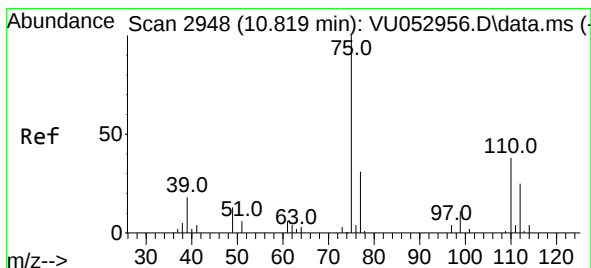
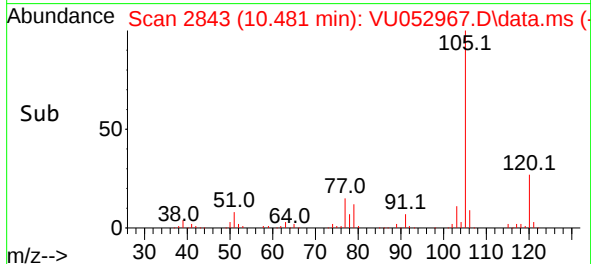
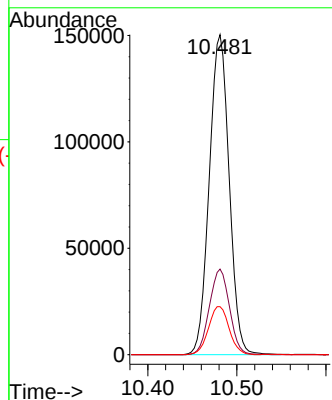
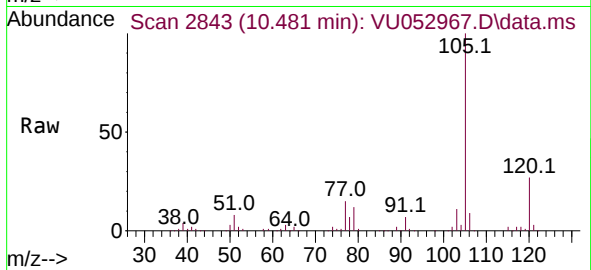




#60
Isopropylbenzene
Concen: 4.497 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

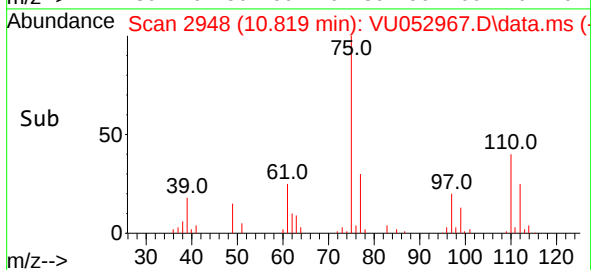
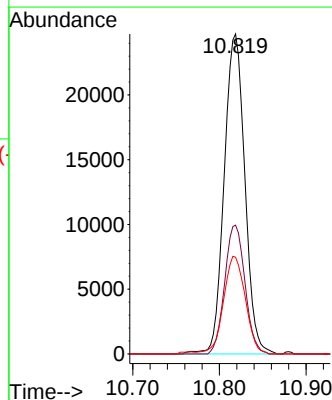
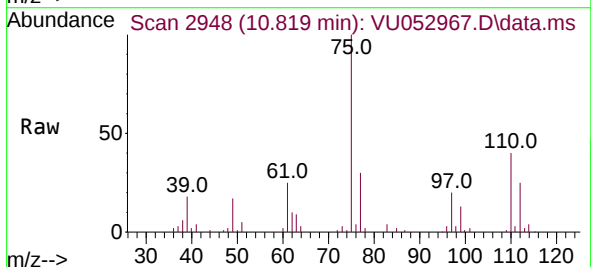
Instrument :
MSVOA_U
ClientSampleId :
VSTD005133

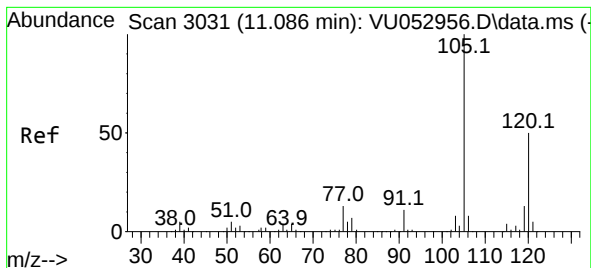
Tgt Ion:105 Resp: 232739
Ion Ratio Lower Upper
105 100
120 27.1 20.4 30.6
77 15.6 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.826 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052967.D
Acq: 05 Feb 2023 21:01

Tgt Ion: 75 Resp: 40959
Ion Ratio Lower Upper
75 100
110 39.4 27.2 40.8
77 32.2 24.0 36.0





#62

1,3,5-Trimethylbenzene

Concen: 4.355 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

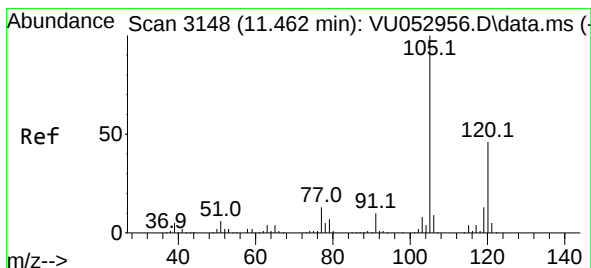
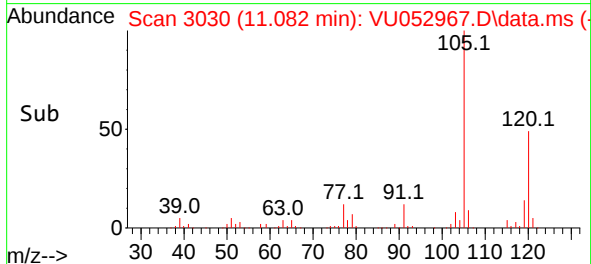
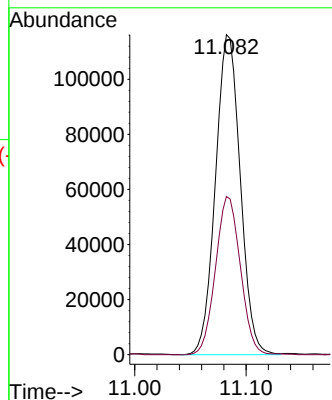
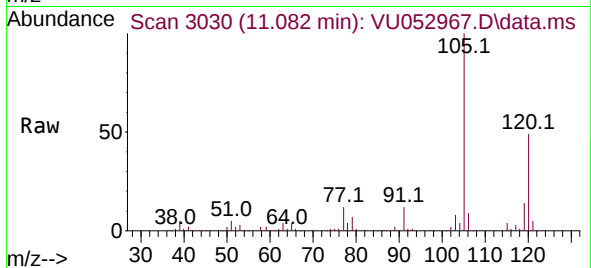
VSTD005133

Tgt Ion:105 Resp: 179792

Ion Ratio Lower Upper

105 100

120 49.6 39.0 58.6



#63

1,2,4-Trimethylbenzene

Concen: 4.349 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU052967.D

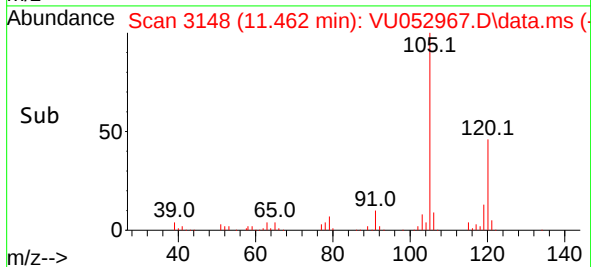
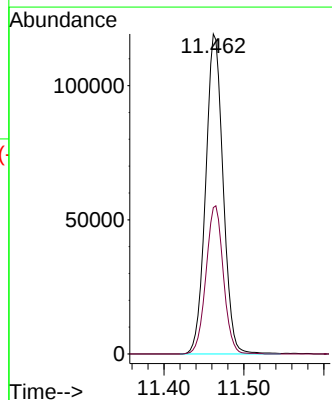
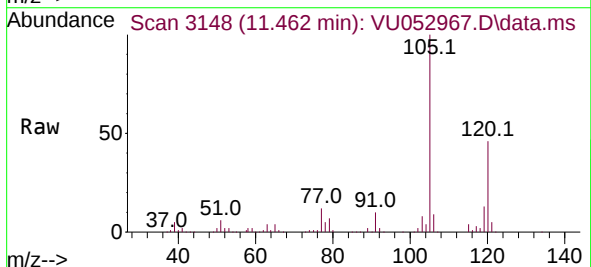
Acq: 05 Feb 2023 21:01

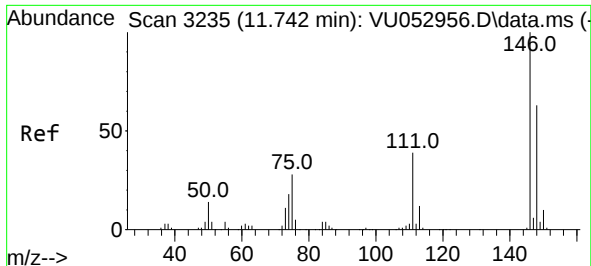
Tgt Ion:105 Resp: 180856

Ion Ratio Lower Upper

105 100

120 46.1 35.9 53.9

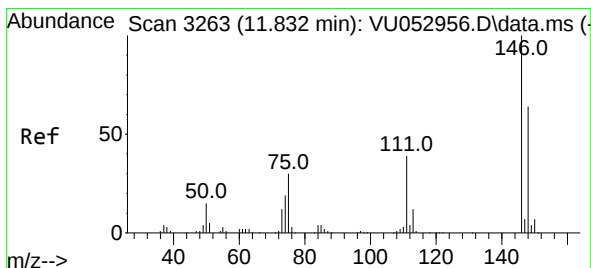
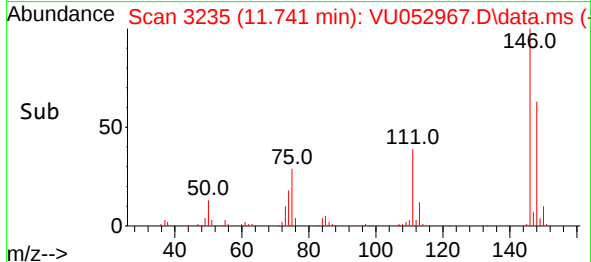
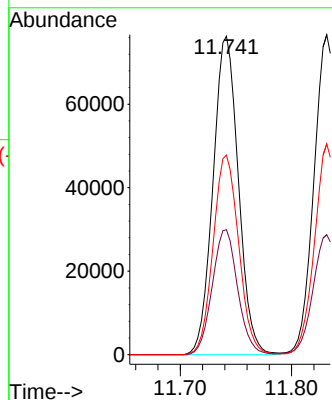
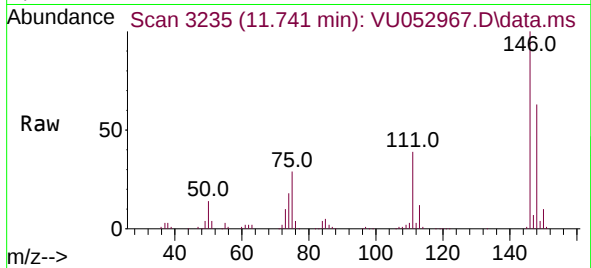




#64
 1,3-Dichlorobenzene
 Concen: 4.900 ug/L
 RT: 11.741 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

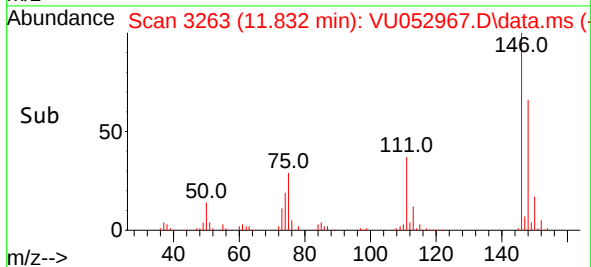
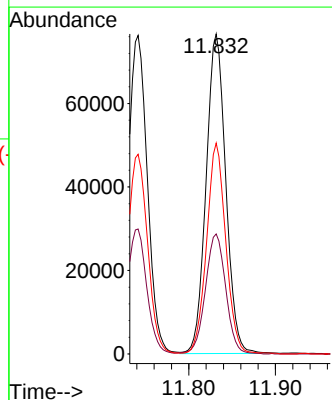
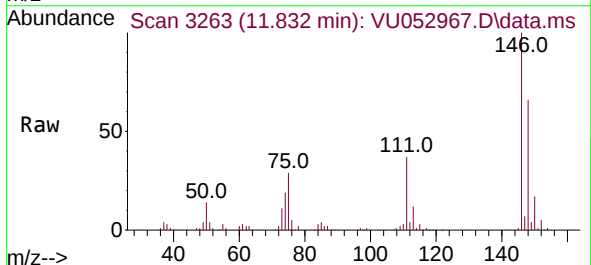
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005133

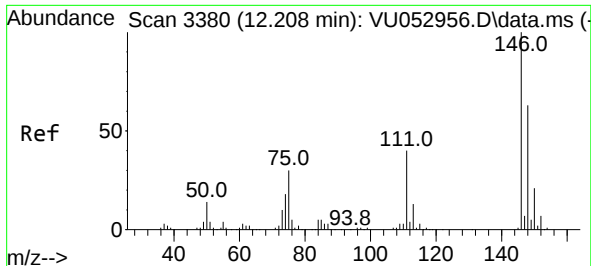
Tgt Ion:146 Resp: 120653
 Ion Ratio Lower Upper
 146 100
 111 39.2 29.4 54.6
 148 62.7 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 4.806 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

Tgt Ion:146 Resp: 120717
 Ion Ratio Lower Upper
 146 100
 111 37.5 28.1 52.3
 148 65.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.054 ug/L

RT: 12.208 min Scan# 311

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005133

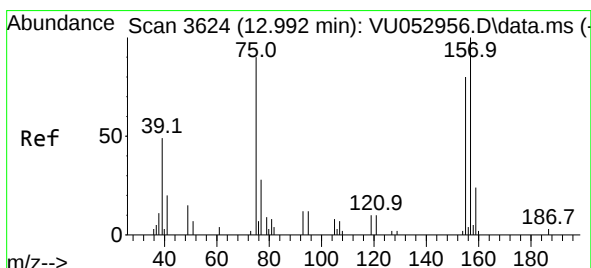
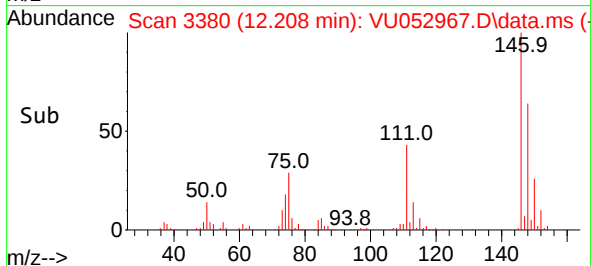
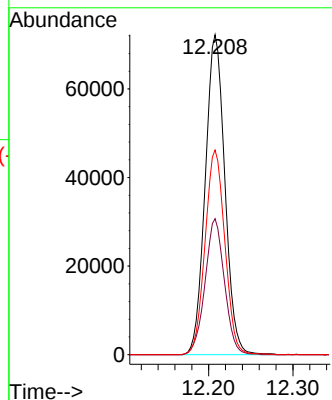
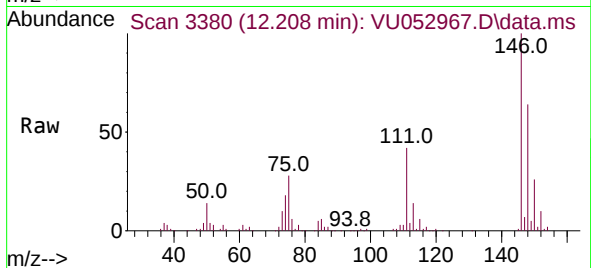
Tgt Ion:146 Resp: 117077

Ion Ratio Lower Upper

146 100

111 42.5 33.8 50.6

148 63.9 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.423 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

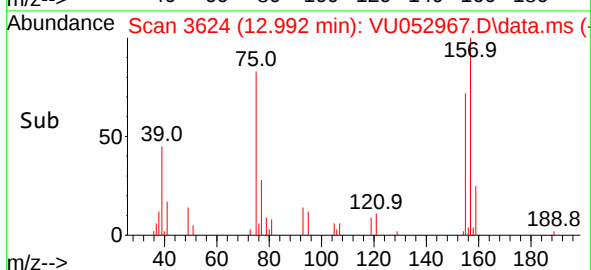
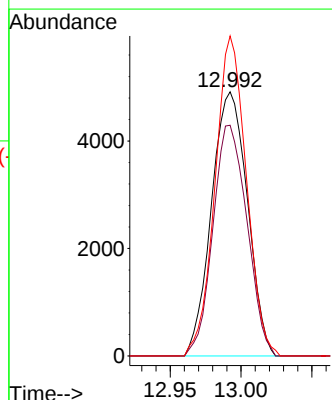
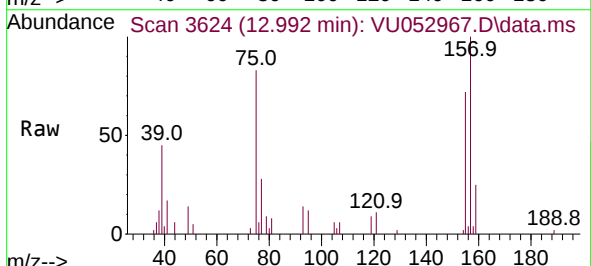
Tgt Ion: 75 Resp: 8658

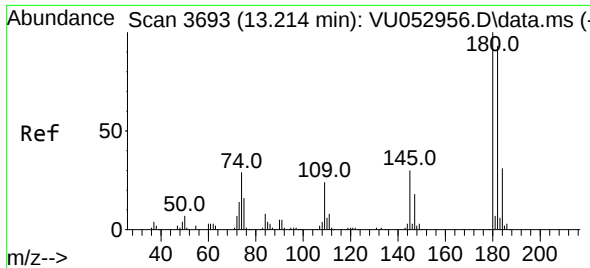
Ion Ratio Lower Upper

75 100

155 87.3 48.0 72.0#

157 121.1 69.3 103.9#

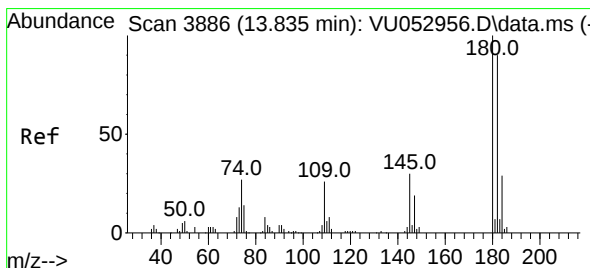
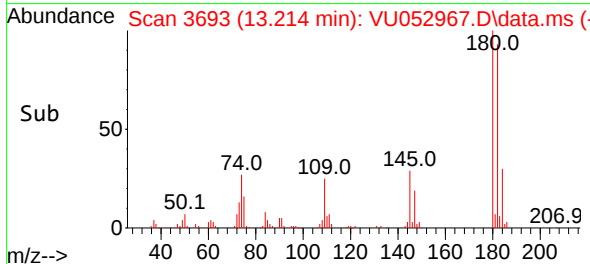
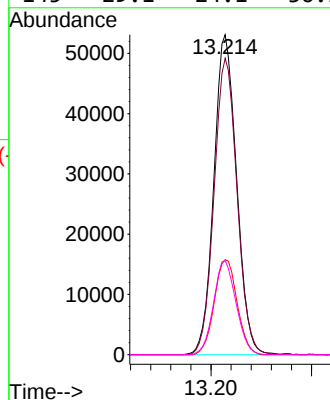
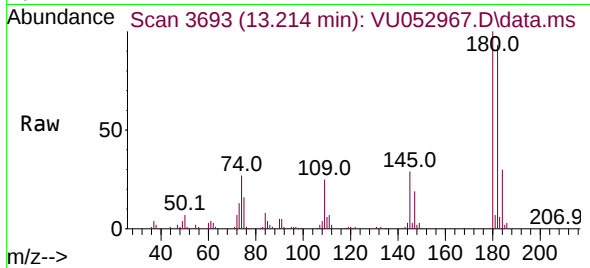




#69
 1,3,5-Trichlorobenzene
 Concen: 4.554 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

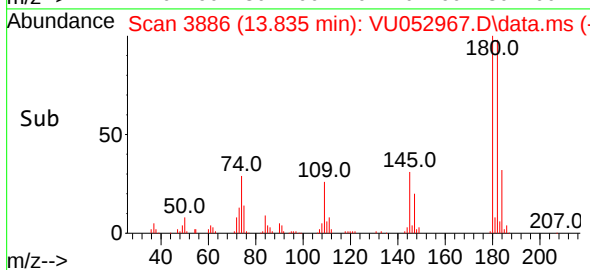
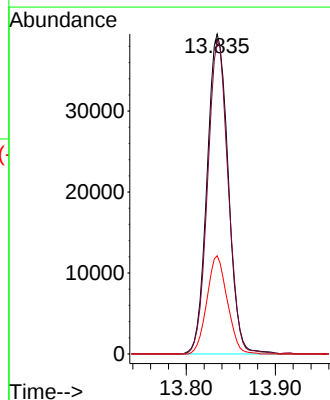
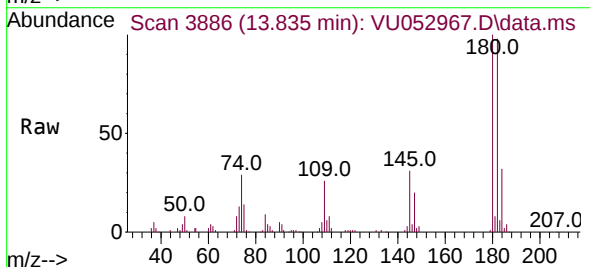
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005133

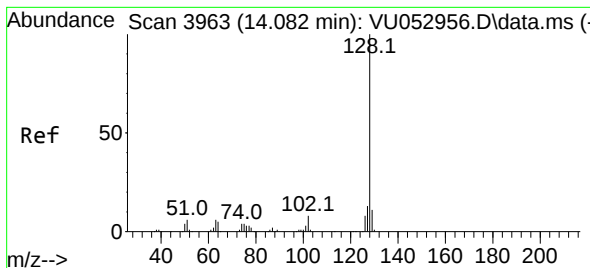
Tgt Ion:180	Resp:	83282
Ion Ratio	Lower	Upper
180	100	
182	93.4	75.1 112.7
184	29.8	23.6 35.4
145	29.1	24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.441 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052967.D
 Acq: 05 Feb 2023 21:01

Tgt Ion:180	Resp:	65136
Ion Ratio	Lower	Upper
180	100	
182	95.3	77.5 116.3
145	29.5	25.3 37.9





#71

Naphthalene

Concen: 4.070 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005133

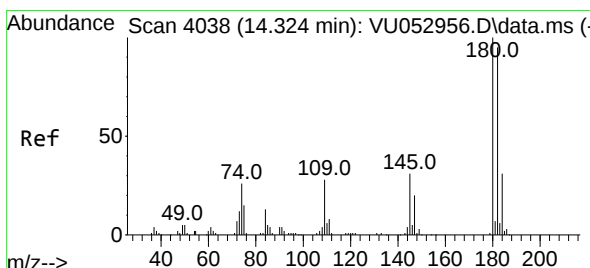
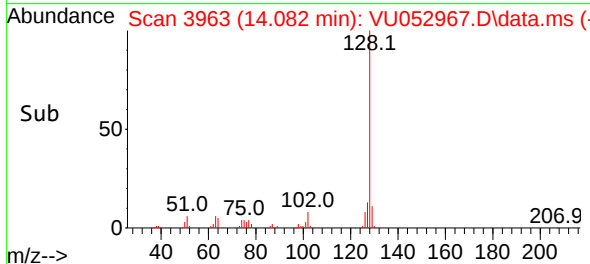
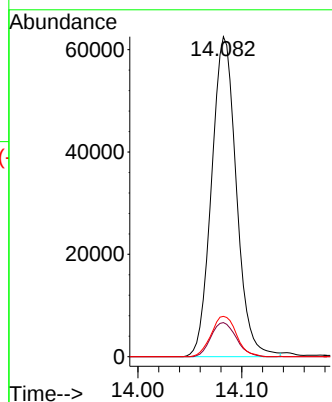
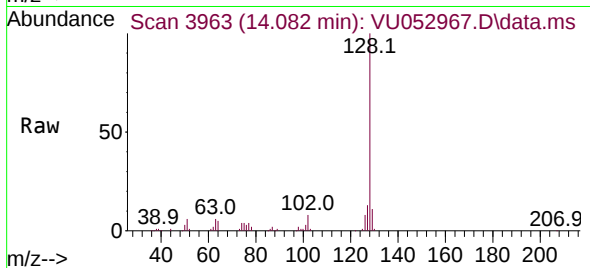
Tgt Ion:128 Resp: 103649

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

127 12.9 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.733 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU052967.D

Acq: 05 Feb 2023 21:01

Tgt Ion:180 Resp: 63606

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.6

145 31.7 26.5 39.7

