

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100922\
 Data File : VU051313.D
 Acq On : 09 Oct 2022 20:34
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005170

Quant Time: Oct 10 01:30:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 10 01:25:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	237252	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	244932	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	129331	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69432	3.628	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.909	69	68701	4.178	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.565	65	28293	3.740	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	4.620	46	215741	51.202	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.400%
24) Chloroform-d	5.060	84	167915	4.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.700	65	84860	4.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.726	84	317551	4.713	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.690	67	110142	4.813	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.200%
41) Toluene-d8	7.896	98	289193	4.797	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.179	79	38373	5.104	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.000%
46) 2-Hexanone-d5	8.629	63	146442	57.794	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.580%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	90600	4.956	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	104853	4.664	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	80902	4.180	ug/L	99
3) Chloromethane	1.520	50	109745	4.038	ug/L	99
5) Vinyl chloride	1.601	62	111472	4.182	ug/L	98
6) Bromomethane	1.855	94	55037	3.792	ug/L	98
8) Chloroethane	1.932	64	71474	4.205	ug/L	98
9) Trichlorofluoromethane	2.138	101	129069	4.201	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	73362	3.978	ug/L	100
12) 1,1-Dichloroethene	2.578	96	72500	4.190	ug/L	92
13) Acetone	2.623	43	132154	41.818	ug/L	99
14) Carbon disulfide	2.790	76	214935	4.056	ug/L	100
15) Methyl Acetate	2.951	43	34373	4.474	ug/L	99
16) Methylene chloride	3.041	84	103503	4.051	ug/L	96
17) Methyl tert-butyl Ether	3.363	73	181795	4.587	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	79687	4.378	ug/L	97
19) 1,1-Dichloroethane	3.867	63	169169	4.504	ug/L	99
21) 2-Butanone	4.700	43	216423	43.454	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	93855	4.655	ug/L	95
23) Bromochloromethane	4.973	128	42167	4.383	ug/L	96
25) Chloroform	5.086	83	171765	4.378	ug/L	97

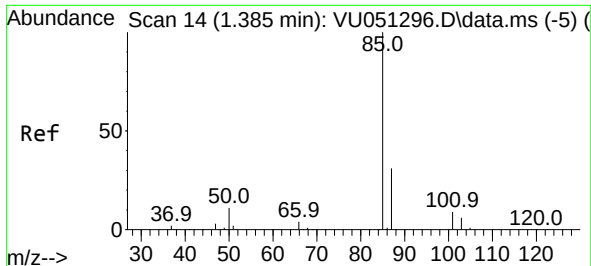
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100922\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	107830	4.588	ug/L	97
29) 1,1,1-Trichloroethane	5.314	97	132359	4.510	ug/L	98
30) Cyclohexane	5.388	56	102953	4.136	ug/L	99
31) Carbon tetrachloride	5.523	117	107926	4.346	ug/L	95
33) Benzene	5.774	78	380230	4.650	ug/L	100
34) Trichloroethene	6.542	95	88578	4.342	ug/L	99
35) Methylcyclohexane	6.761	83	107064	4.160	ug/L	98
37) 1,2-Dichloropropane	6.790	63	101268	4.518	ug/L	98
38) Bromodichloromethane	7.105	83	120808	4.519	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	122378	4.543	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	529978	45.073	ug/L	100
42) Toluene	7.967	91	415857	4.791	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	107821	4.629	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	69259	4.401	ug/L	97
47) Tetrachloroethene	8.552	164	63637	4.243	ug/L	98
48) 2-Hexanone	8.681	43	408167	46.621	ug/L	98
49) Dibromochloromethane	8.809	129	76544	4.332	ug/L	98
50) 1,2-Dibromoethane	8.922	107	63942	4.565	ug/L	99
51) Chlorobenzene	9.446	112	248463	4.791	ug/L	99
52) Ethylbenzene	9.568	91	376427	4.826	ug/L	98
53) m,p-Xylene	9.690	106	149170	4.931	ug/L	100
54) o-Xylene	10.099	106	139830	4.885	ug/L	100
55) Styrene	10.111	104	247248	5.018	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	87641	4.499	ug/L	100
59) Bromoform	10.288	173	41825	3.887	ug/L	98
60) Isopropylbenzene	10.481	105	355063	4.334	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	62397	3.821	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	88206	4.059	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	263140	4.282	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	177056	4.370	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	176931	4.430	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	170577	4.330	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	12727	4.074	ug/L	95
69) 1,3,5-Trichlorobenzene	13.217	180	125705	4.501	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	93381	4.704	ug/L	99
71) Naphthalene	14.086	128	154440	4.186	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	92286	4.494	ug/L	100

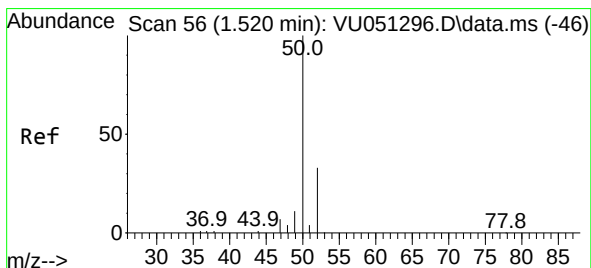
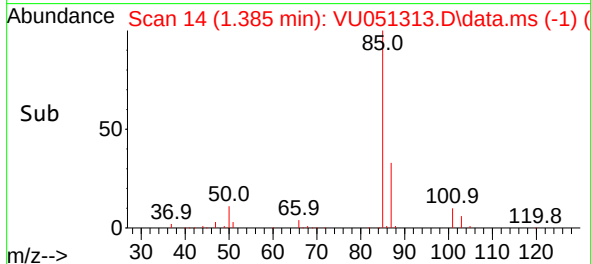
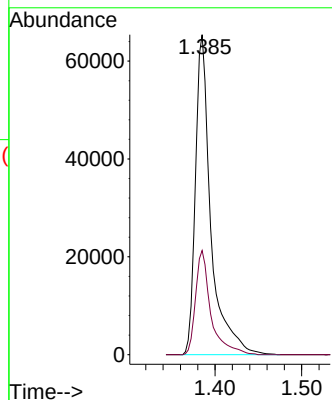
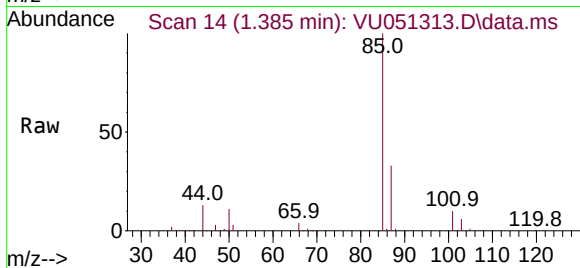
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#2
Dichlorodifluoromethane
Concen: 4.180 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

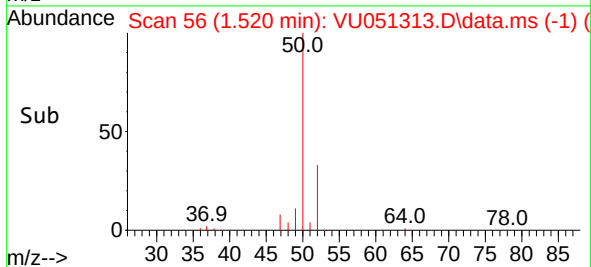
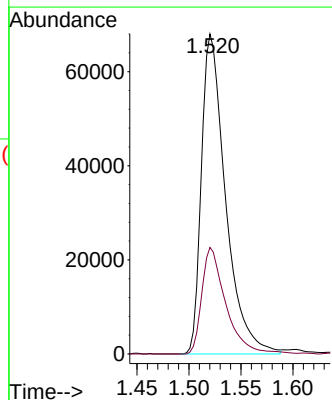
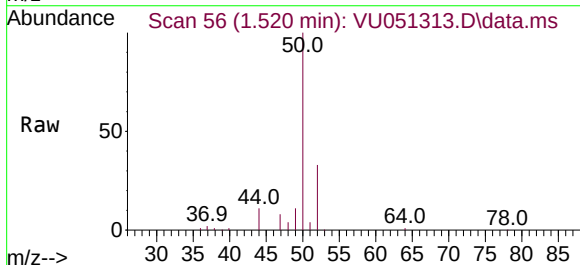
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

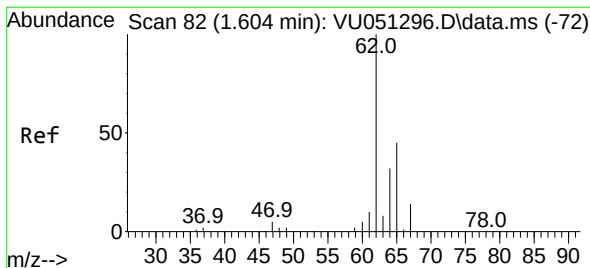
Tgt Ion: 85 Resp: 80902
Ion Ratio Lower Upper
85 100
87 32.4 26.2 39.4



#3
Chloromethane
Concen: 4.038 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion: 50 Resp: 109745
Ion Ratio Lower Upper
50 100
52 33.3 22.9 42.5





#5

Vinyl chloride

Concen: 4.182 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

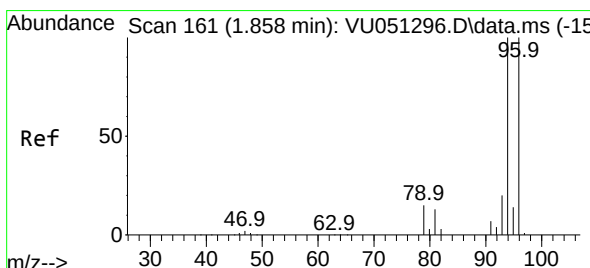
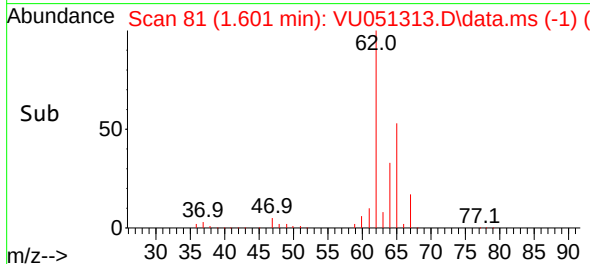
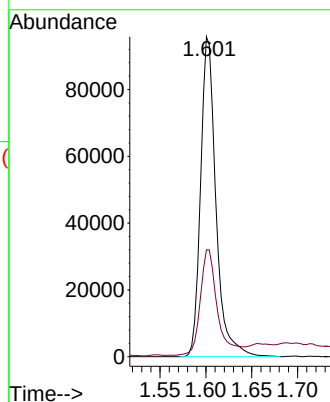
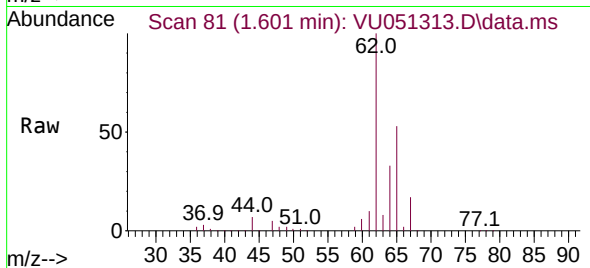
VSTD005170

Tgt Ion: 62 Resp: 111472

Ion Ratio Lower Upper

62 100

64 33.4 24.0 44.6



#6

Bromomethane

Concen: 3.792 ug/L

RT: 1.855 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU051313.D

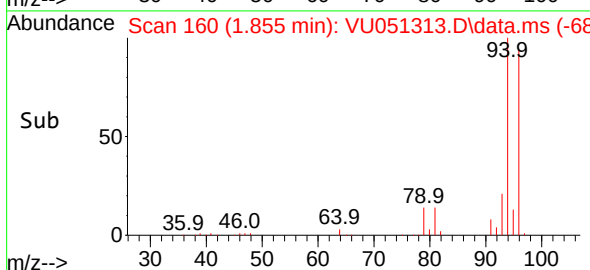
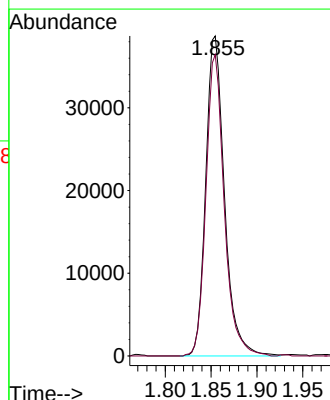
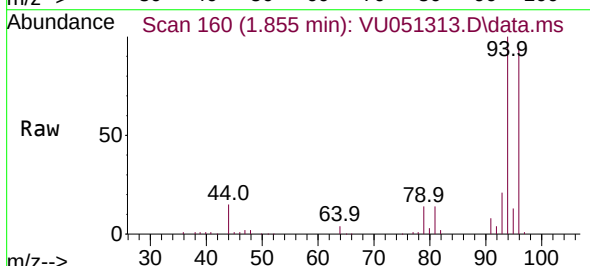
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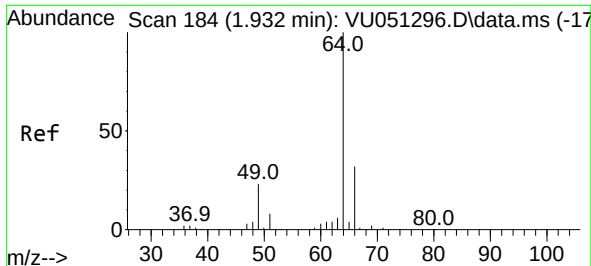
Tgt Ion: 94 Resp: 55037

Ion Ratio Lower Upper

94 100

96 94.1 64.9 120.5

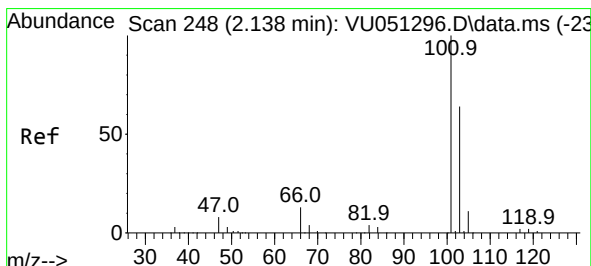
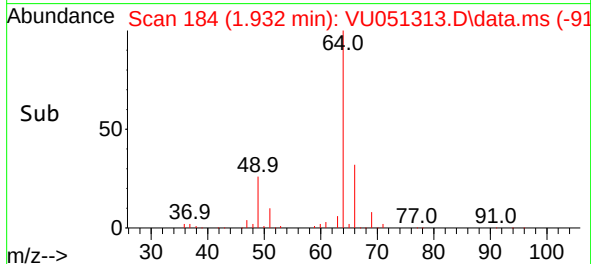
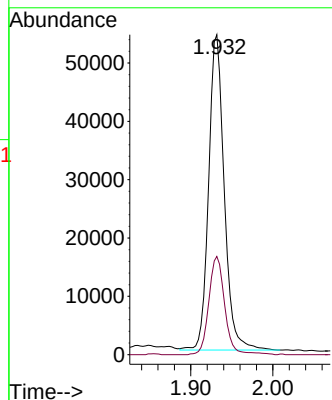
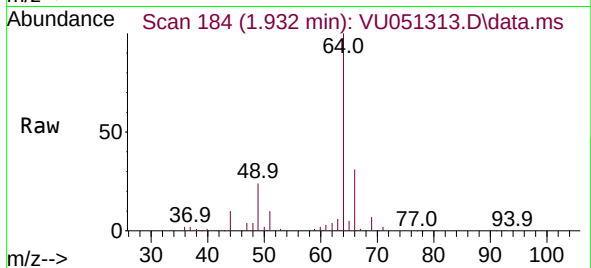




#8
Chloroethane
Concen: 4.205 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

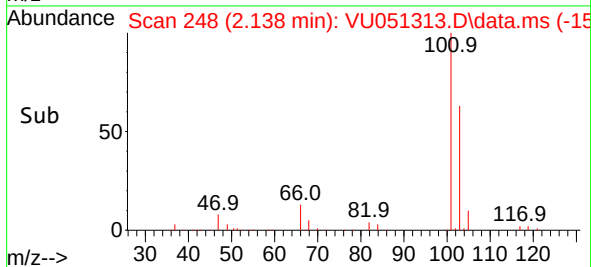
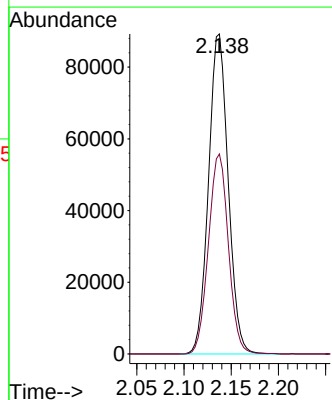
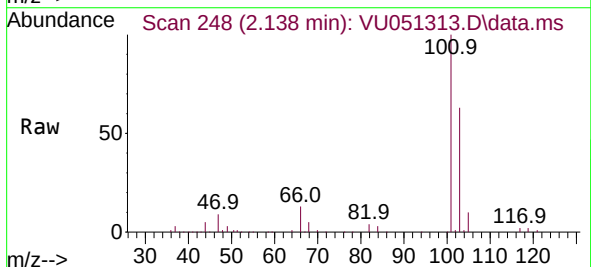
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ClientSampleId :
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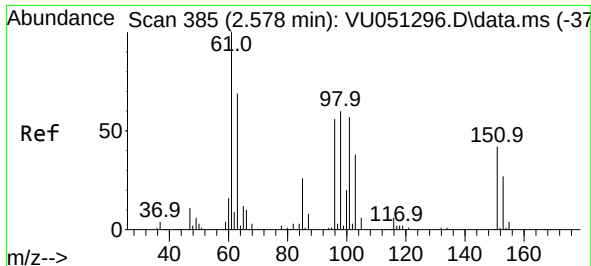
Tgt Ion: 64 Resp: 71474
Ion Ratio Lower Upper
64 100
66 30.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.201 ug/L
RT: 2.138 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion:101 Resp: 129069
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.2

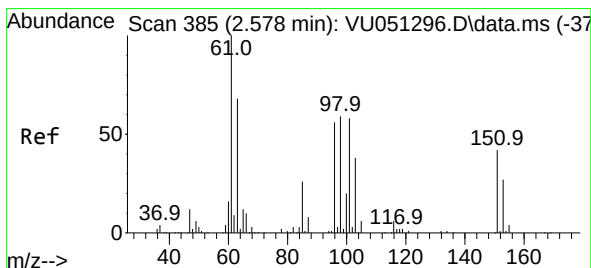
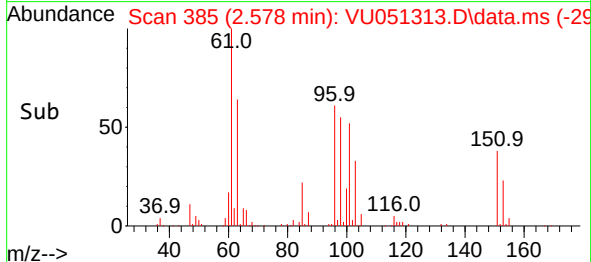
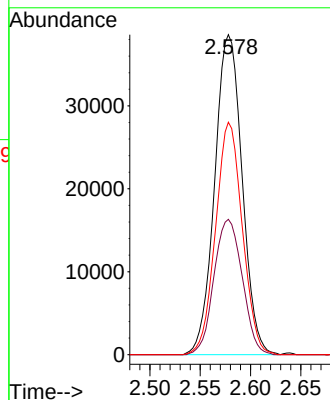
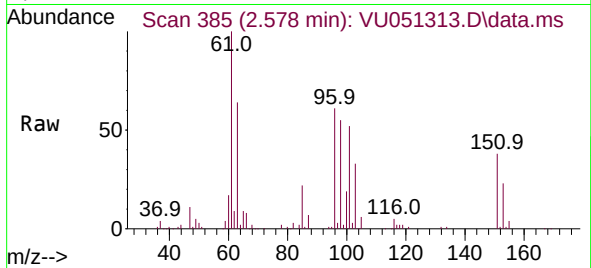




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.978 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU051313.D
 Acq: 09 Oct 2022 20:34

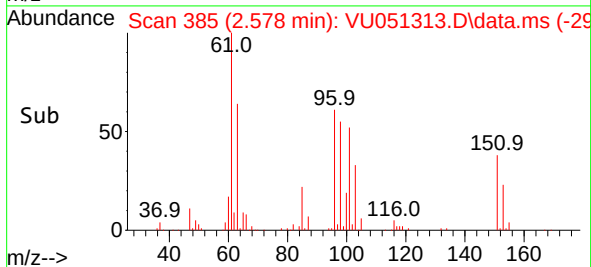
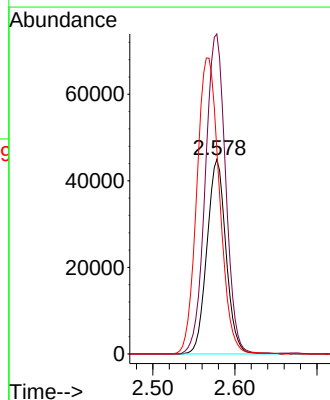
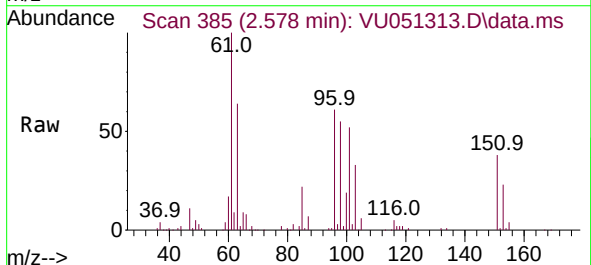
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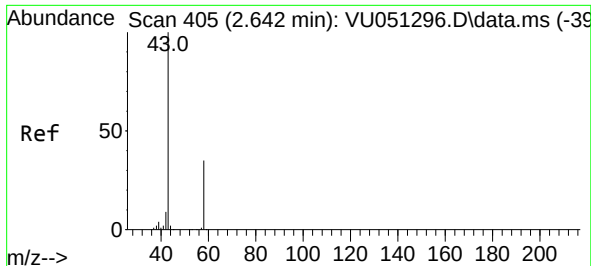
Tgt Ion:101 Resp: 73362
 Ion Ratio Lower Upper
 101 100
 85 43.5 34.6 51.8
 151 70.7 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 4.190 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU051313.D
 Acq: 09 Oct 2022 20:34

Tgt Ion: 96 Resp: 72500
 Ion Ratio Lower Upper
 96 100
 61 164.6 117.6 218.4
 63 105.1 85.2 158.2





#13

Acetone

Concen: 41.818 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.019 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

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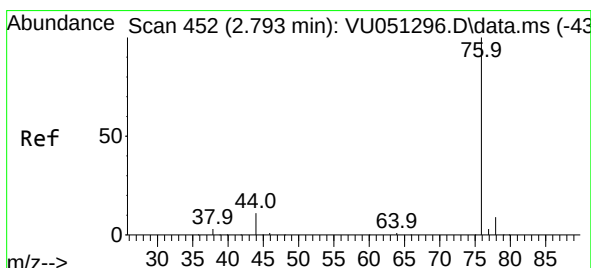
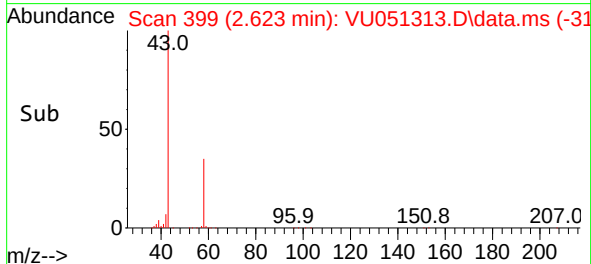
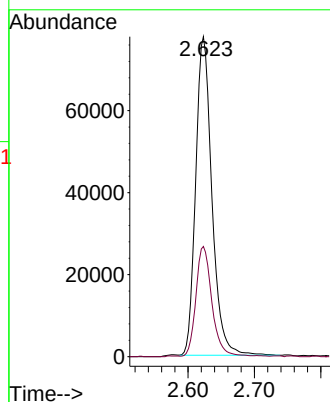
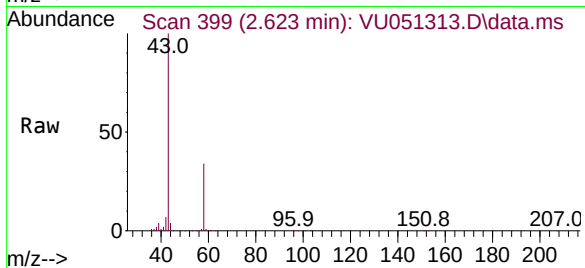
VSTD005170

Tgt Ion: 43 Resp: 132154

Ion Ratio Lower Upper

43 100

58 33.7 0.0 68.8



#14

Carbon disulfide

Concen: 4.056 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU051313.D

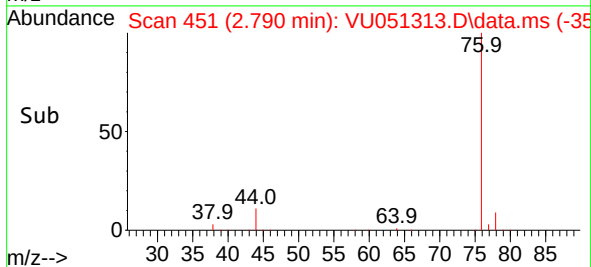
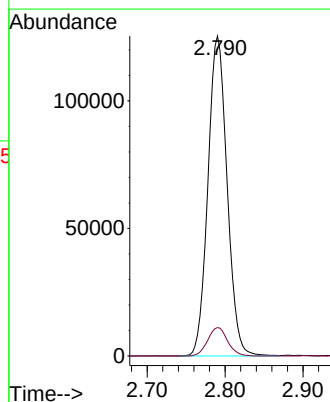
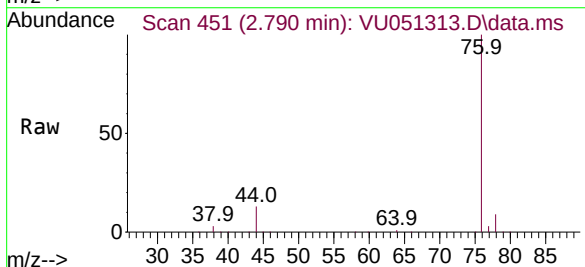
Acq: 09 Oct 2022 20:34

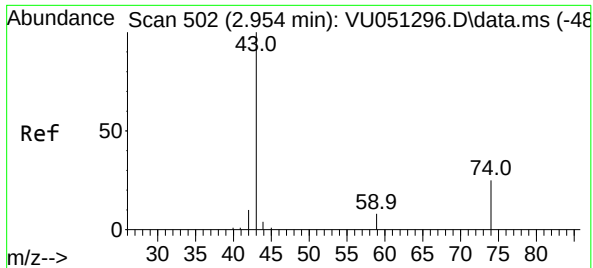
Tgt Ion: 76 Resp: 214935

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

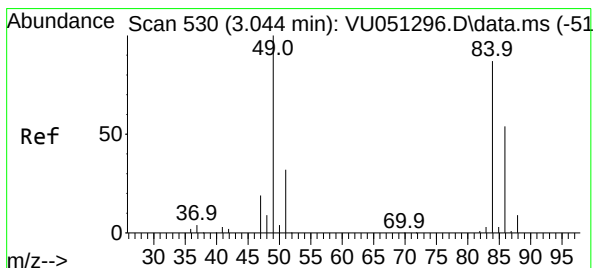
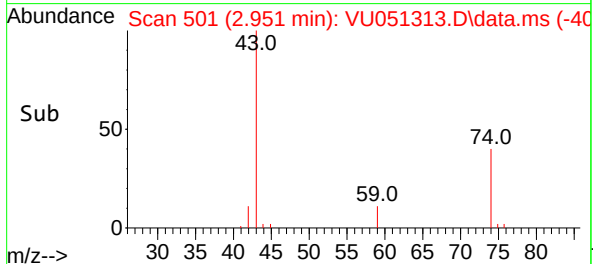
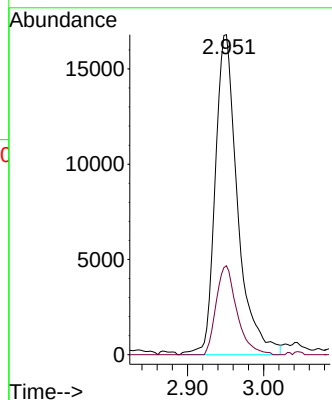
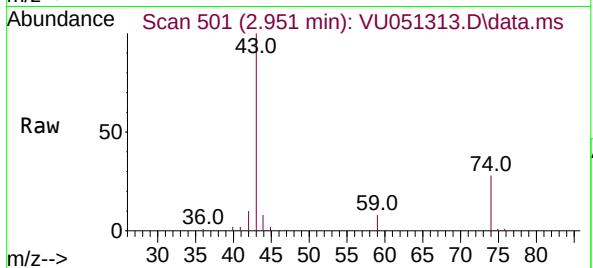




#15
Methyl Acetate
Concen: 4.474 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

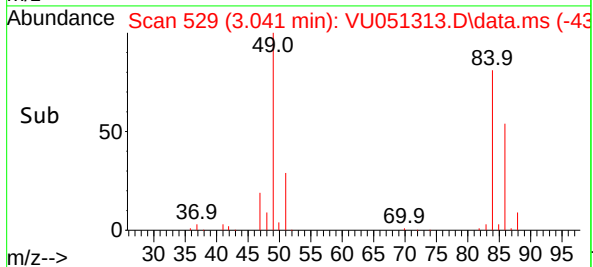
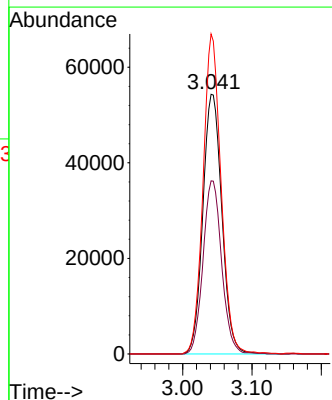
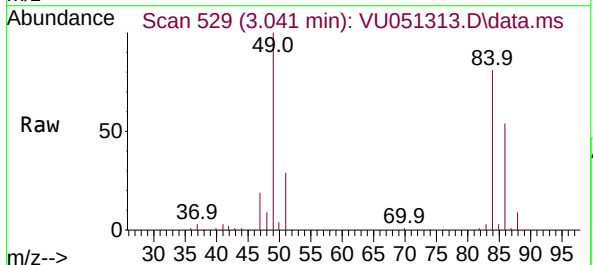
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

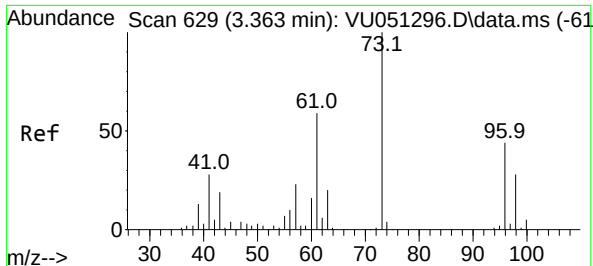
Tgt Ion: 43 Resp: 34373
Ion Ratio Lower Upper
43 100
74 25.7 20.0 30.0



#16
Methylene chloride
Concen: 4.051 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion: 84 Resp: 103503
Ion Ratio Lower Upper
84 100
86 66.7 46.5 86.3
49 123.2 81.3 151.1





#17

Methyl tert-butyl Ether

Concen: 4.587 ug/L

RT: 3.363 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

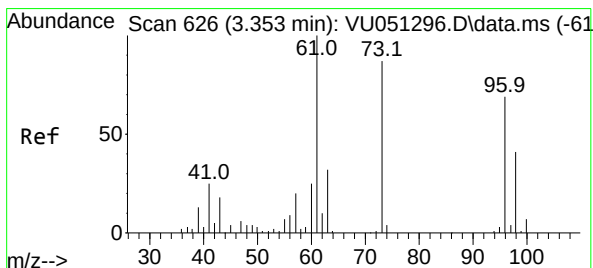
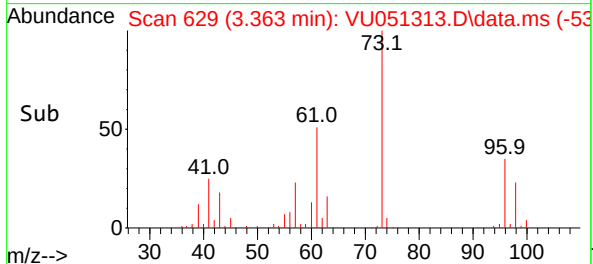
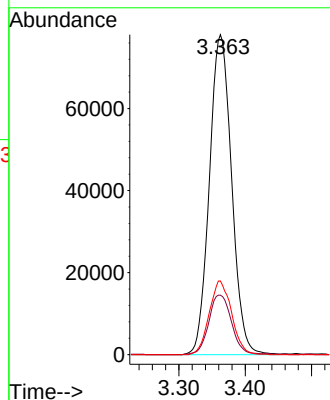
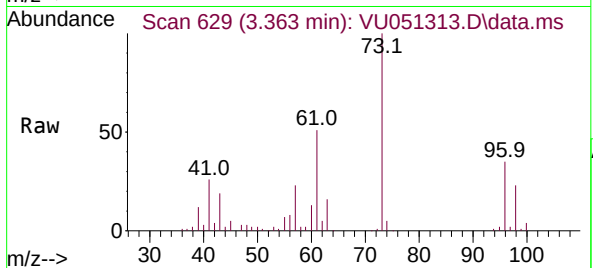
Tgt Ion: 73 Resp: 181795

Ion Ratio Lower Upper

73 100

43 19.1 15.4 23.0

57 23.2 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 4.378 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

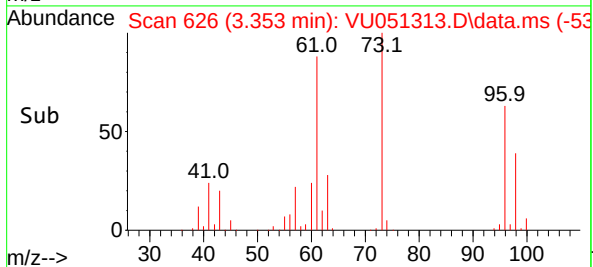
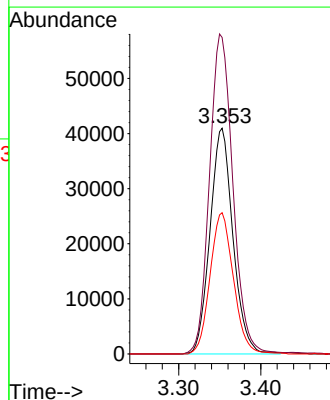
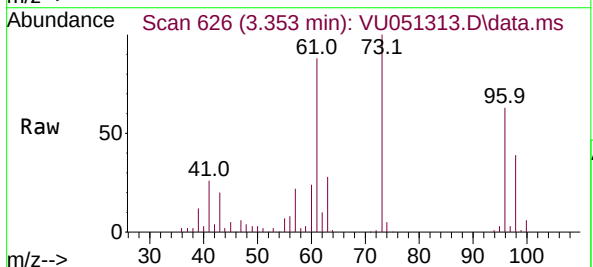
Tgt Ion: 96 Resp: 79687

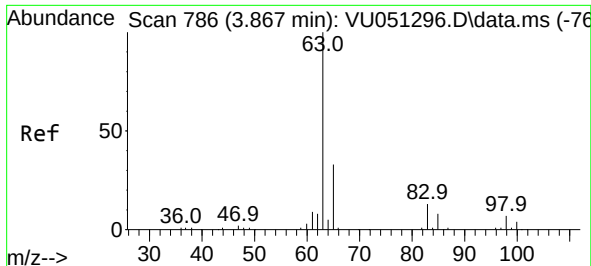
Ion Ratio Lower Upper

96 100

61 140.2 101.4 188.2

98 62.6 44.9 83.5





#19

1,1-Dichloroethane

Concen: 4.504 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

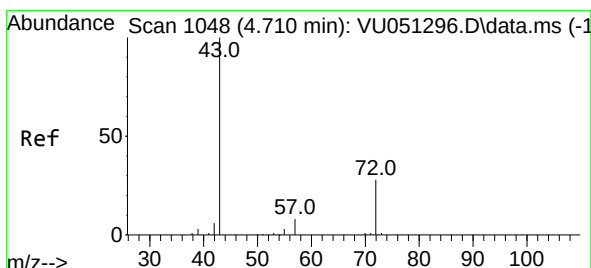
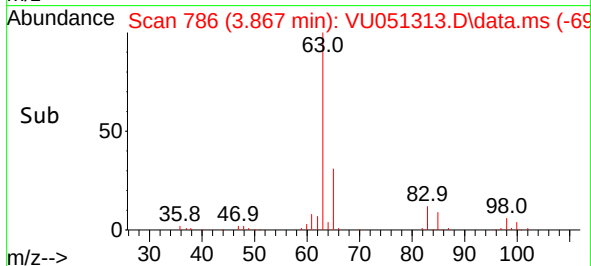
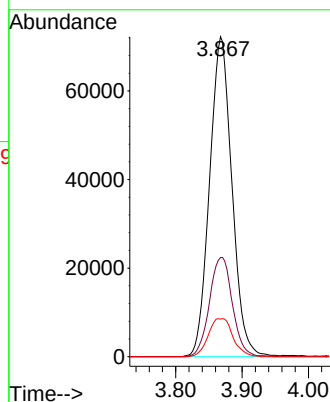
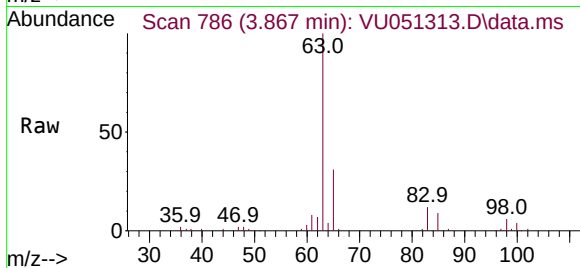
Tgt Ion: 63 Resp: 169169

Ion Ratio Lower Upper

63 100

65 31.0 22.0 41.0

83 11.8 9.0 16.6



#21

2-Butanone

Concen: 43.454 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. -0.010 min

Lab File: VU051313.D

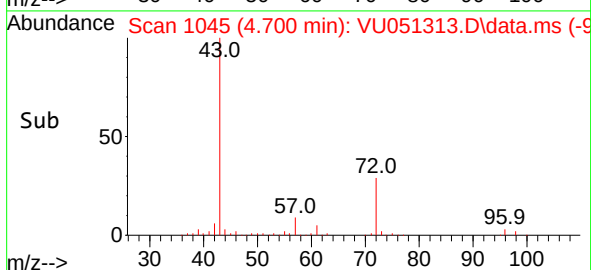
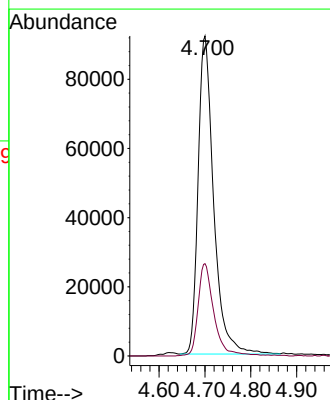
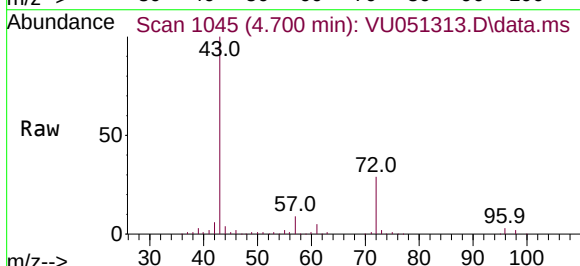
Acq: 09 Oct 2022 20:34

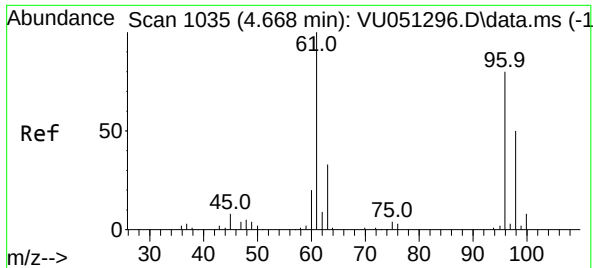
Tgt Ion: 43 Resp: 216423

Ion Ratio Lower Upper

43 100

72 29.3 13.8 41.4

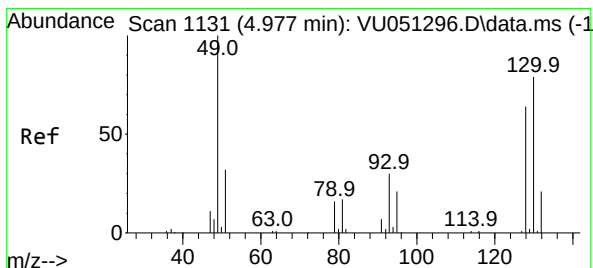
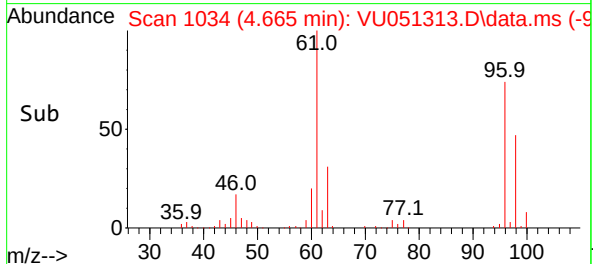
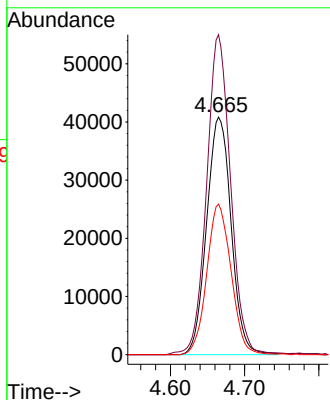
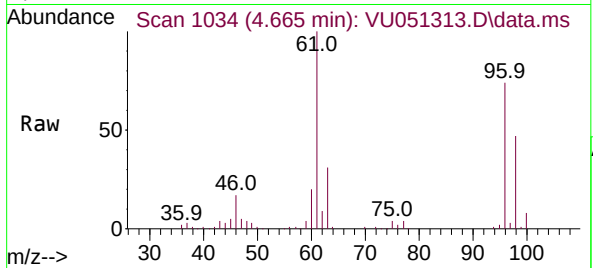




#22
 cis-1,2-Dichloroethene
 Concen: 4.655 ug/L
 RT: 4.665 min Scan# 1035
 Delta R.T. -0.003 min
 Lab File: VU051313.D
 Acq: 09 Oct 2022 20:34

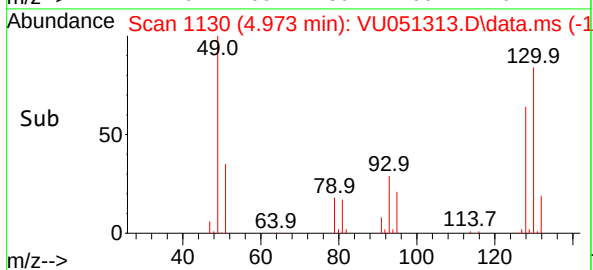
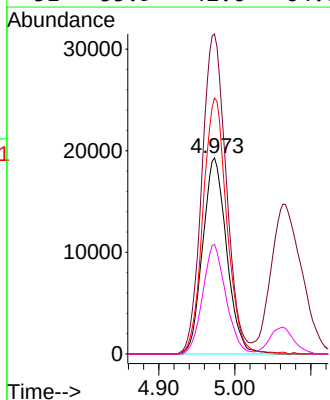
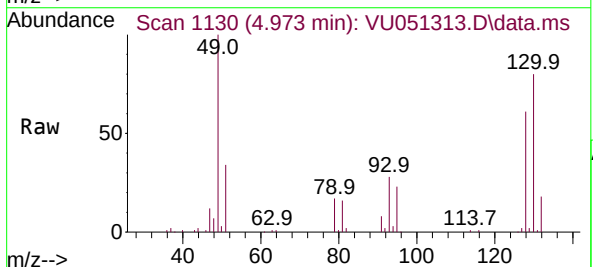
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005170

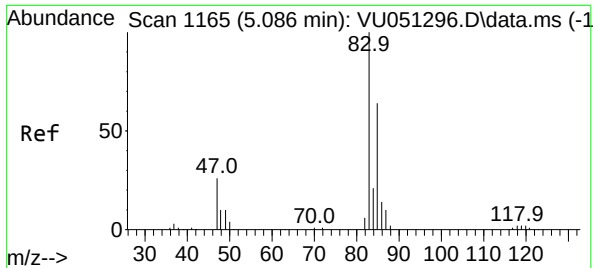
Tgt Ion:	96	Resp:	93855
Ion	Ratio	Lower	Upper
96	100		
61	134.6	90.6	168.2
98	63.4	47.5	88.3



#23
 Bromochloromethane
 Concen: 4.383 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.003 min
 Lab File: VU051313.D
 Acq: 09 Oct 2022 20:34

Tgt Ion:	128	Resp:	42167
Ion	Ratio	Lower	Upper
128	100		
49	163.3	118.0	219.2
130	130.7	88.8	164.8
51	55.9	42.6	64.0

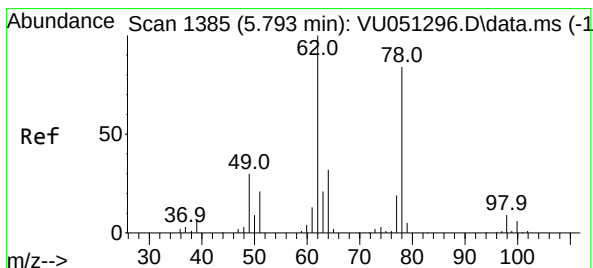
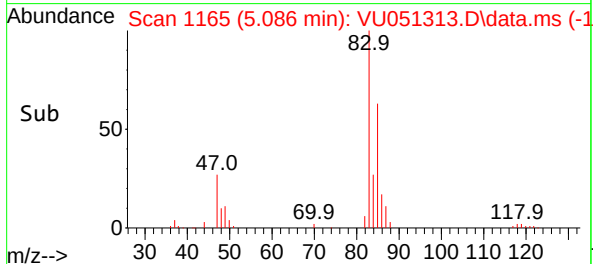
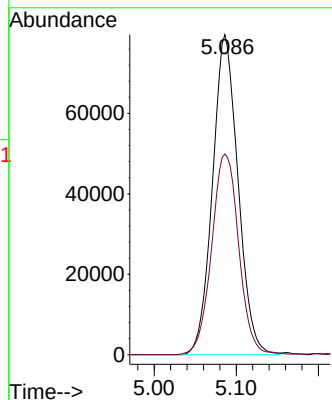
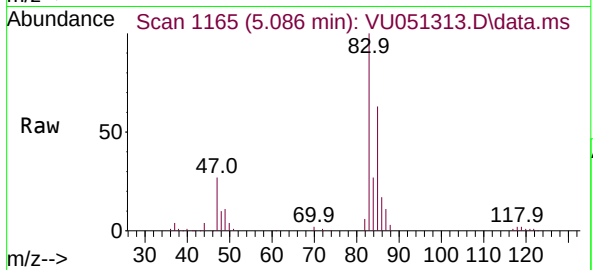




#25
Chloroform
Concen: 4.378 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

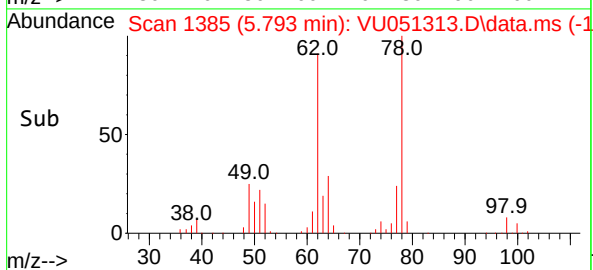
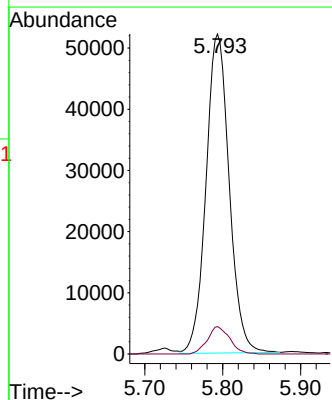
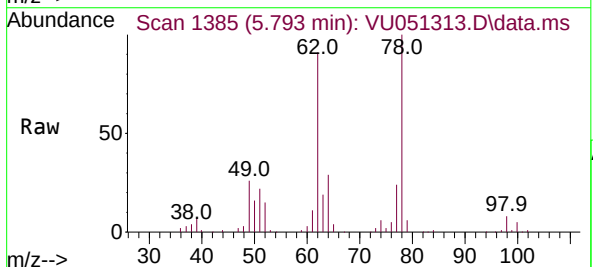
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

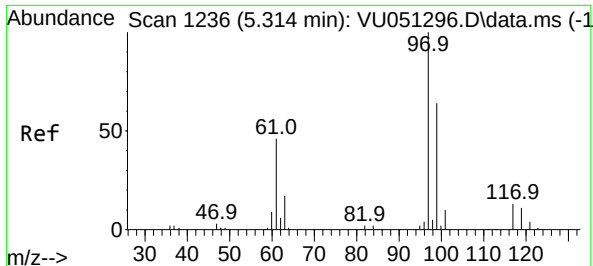
Tgt Ion: 83 Resp: 171765
Ion Ratio Lower Upper
83 100
85 62.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.588 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion: 62 Resp: 107830
Ion Ratio Lower Upper
62 100
98 8.6 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 4.510 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

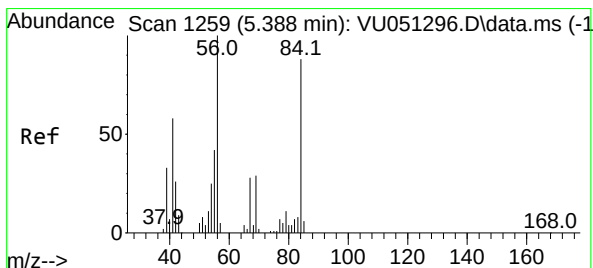
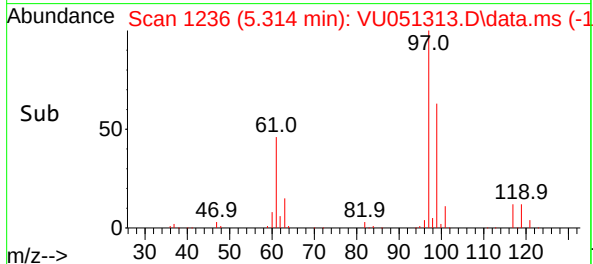
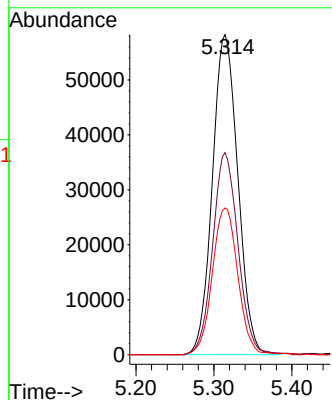
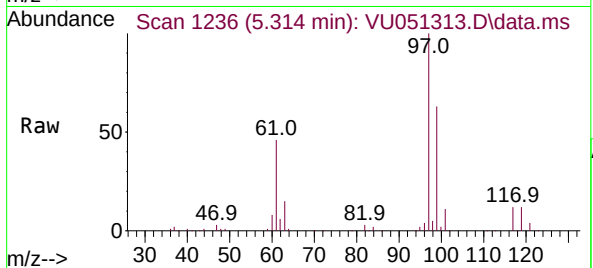
Tgt Ion: 97 Resp: 132359

Ion Ratio Lower Upper

97 100

99 62.9 50.2 75.4

61 45.9 38.7 58.1



#30

Cyclohexane

Concen: 4.136 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

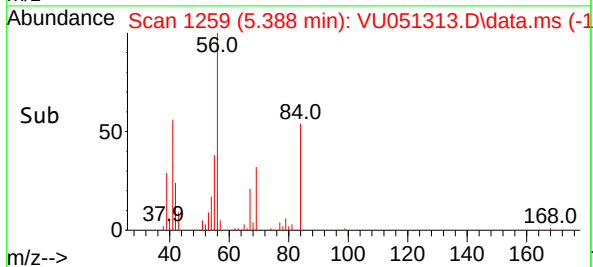
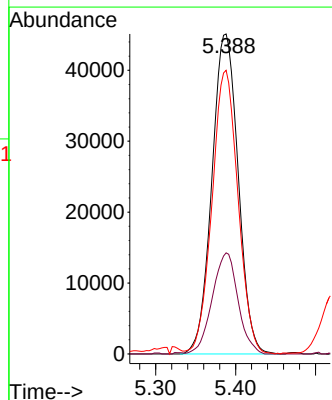
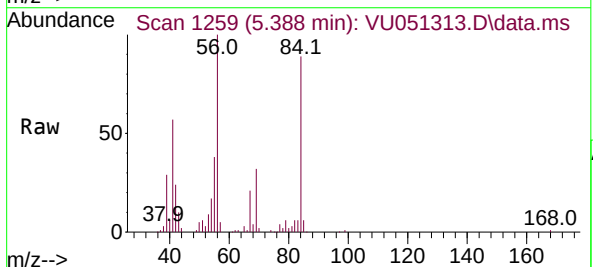
Tgt Ion: 56 Resp: 102953

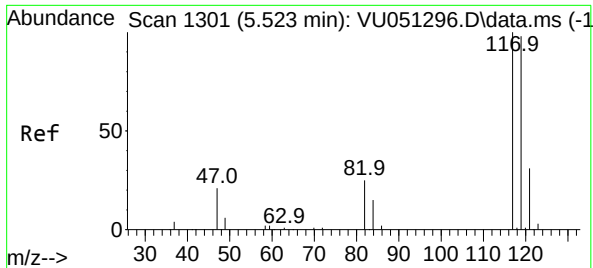
Ion Ratio Lower Upper

56 100

69 31.0 25.1 37.7

84 87.8 70.9 106.3

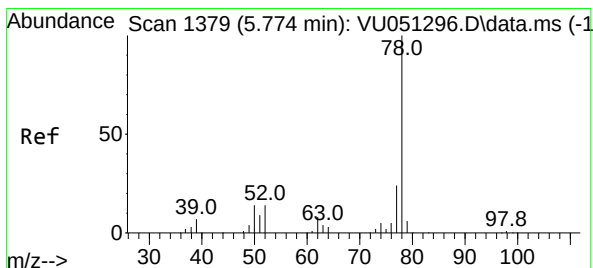
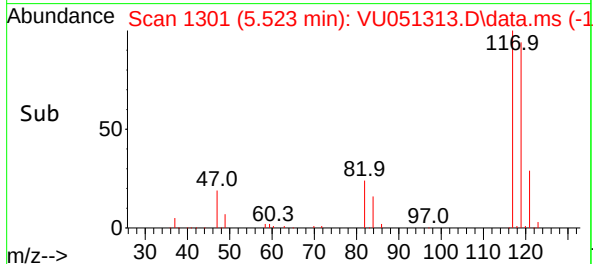
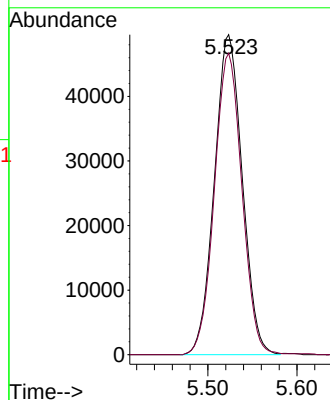
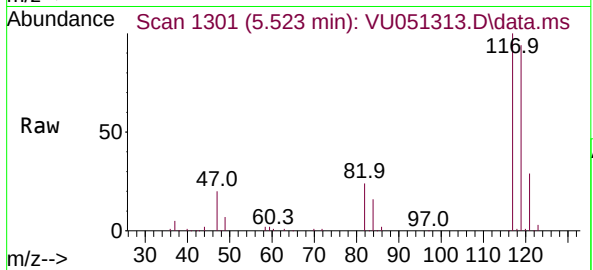




#31
Carbon tetrachloride
Concen: 4.346 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

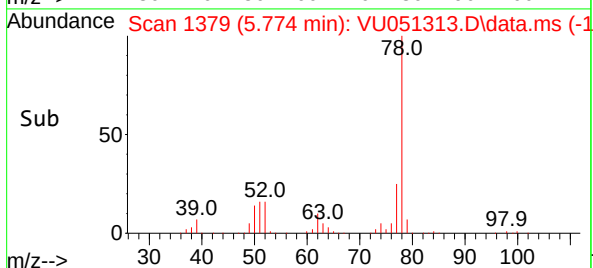
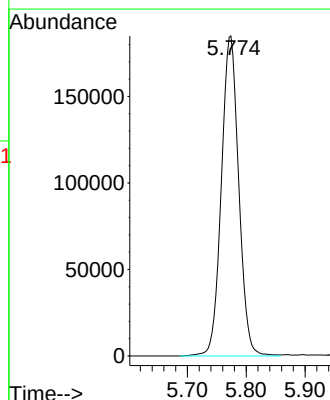
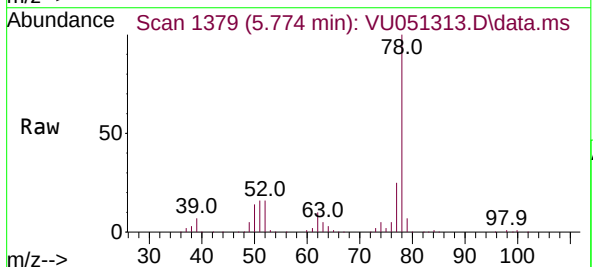
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

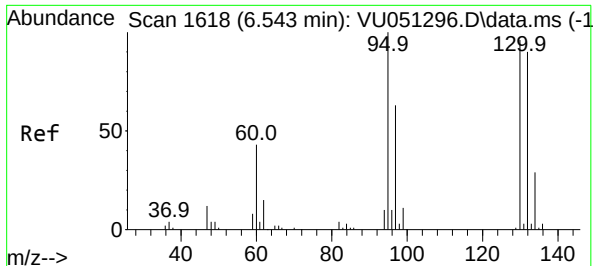
Tgt Ion:117 Resp: 107926
Ion Ratio Lower Upper
117 100
119 92.9 78.4 117.6



#33
Benzene
Concen: 4.650 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion: 78 Resp: 380230

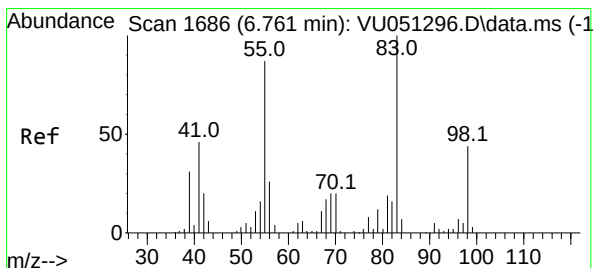
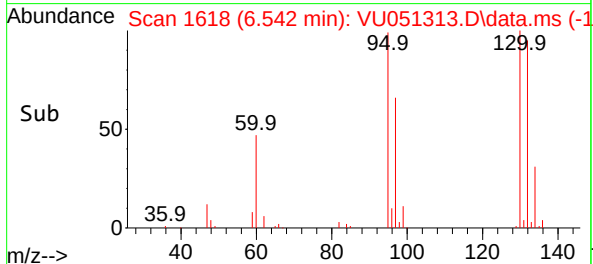
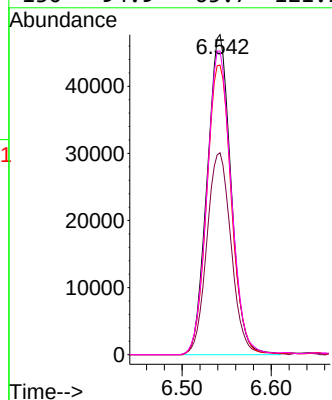
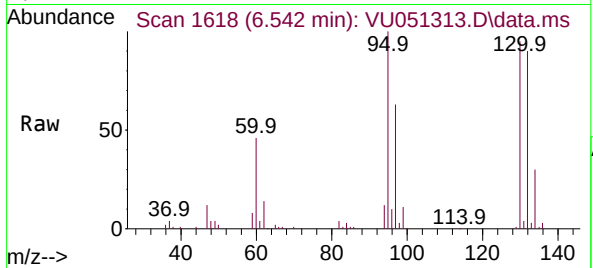




#34
Trichloroethene
Concen: 4.342 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

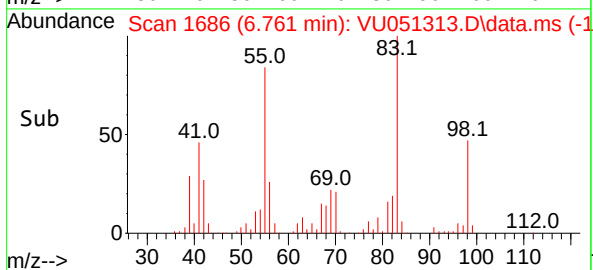
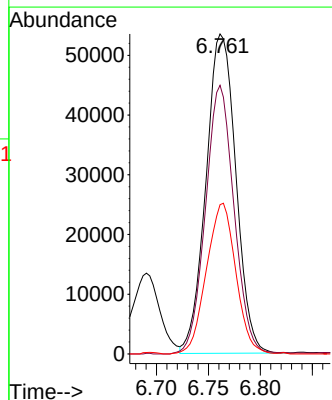
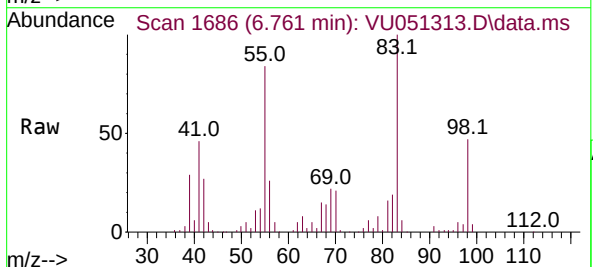
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

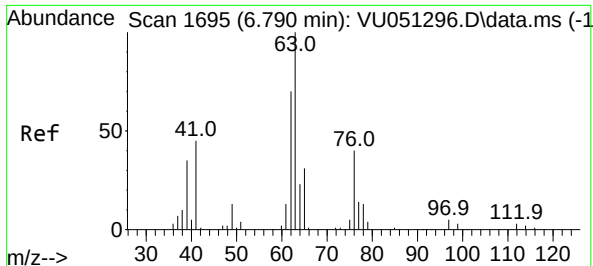
Tgt Ion: 95 Resp: 88578
Ion Ratio Lower Upper
95 100
97 63.1 45.4 84.2
132 90.5 63.1 117.3
130 94.9 65.7 121.9



#35
Methylcyclohexane
Concen: 4.160 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion: 83 Resp: 107064
Ion Ratio Lower Upper
83 100
55 80.5 65.8 98.6
98 46.3 35.9 53.9

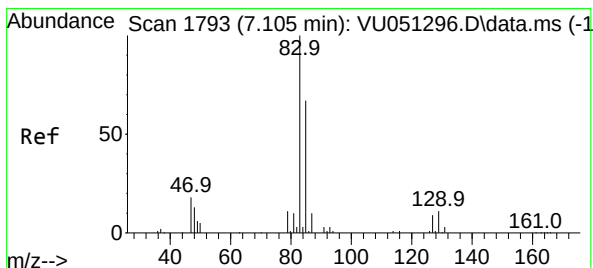
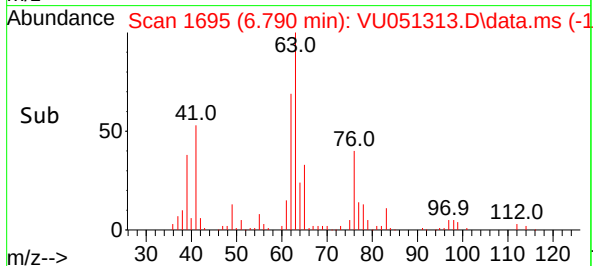
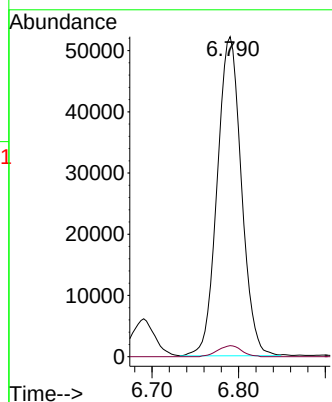
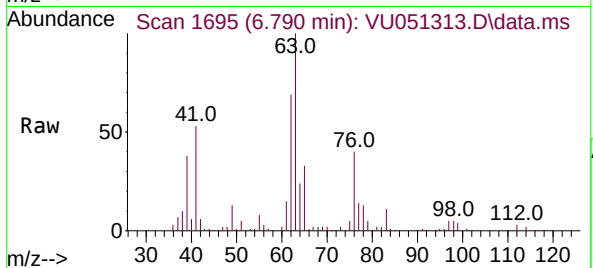




#37
1,2-Dichloropropane
Concen: 4.518 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

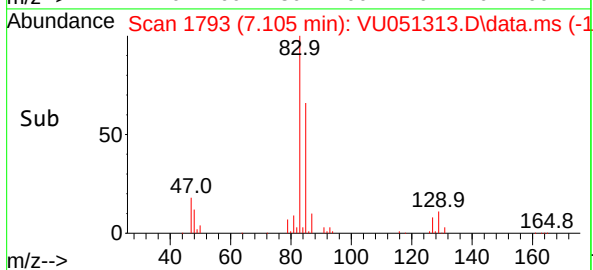
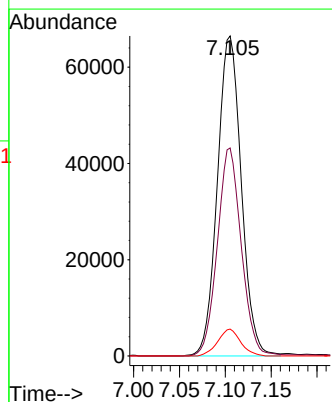
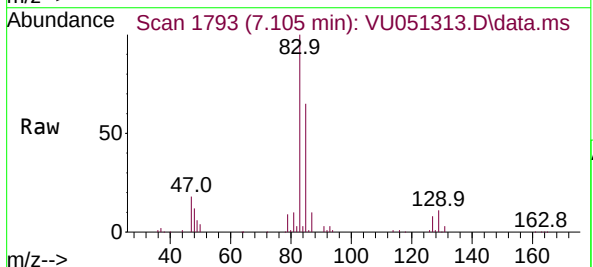
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

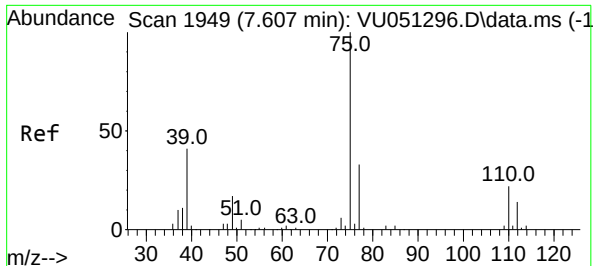
Tgt Ion: 63 Resp: 101268
Ion Ratio Lower Upper
63 100
112 3.4 3.2 4.8



#38
Bromodichloromethane
Concen: 4.519 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion: 83 Resp: 120808
Ion Ratio Lower Upper
83 100
85 65.0 44.8 83.2
127 8.4 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.543 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

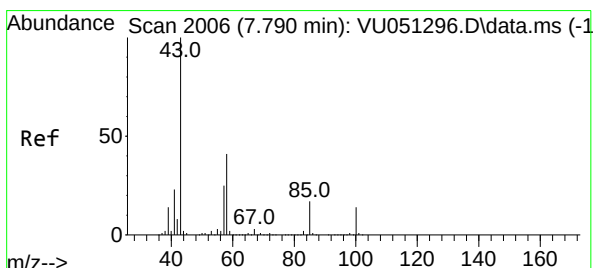
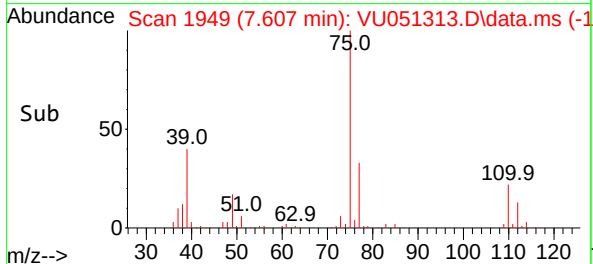
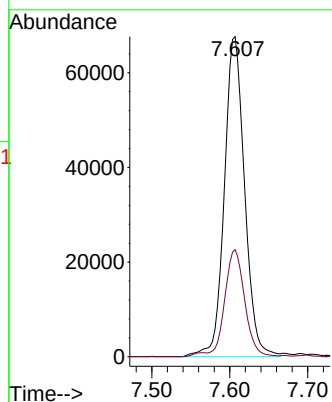
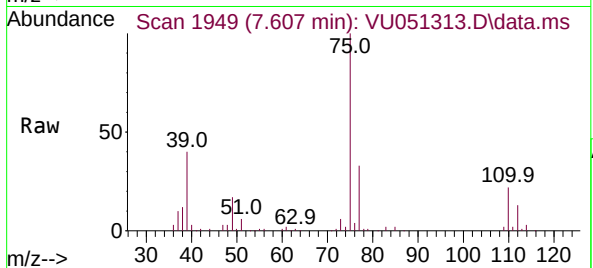
VSTD005170

Tgt Ion: 75 Resp: 122378

Ion Ratio Lower Upper

75 100

77 33.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 45.073 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

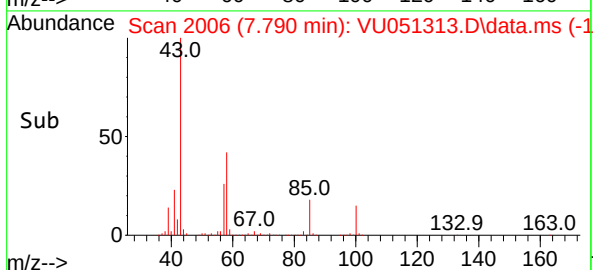
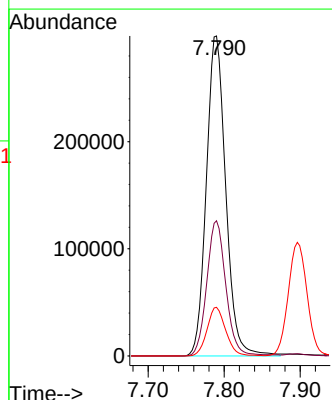
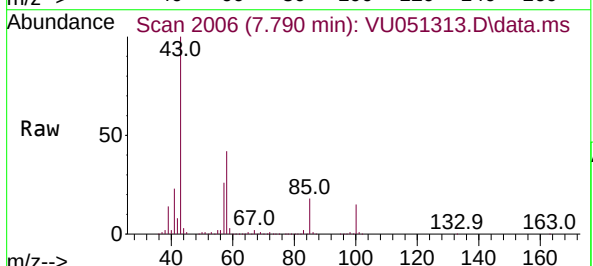
Tgt Ion: 43 Resp: 529978

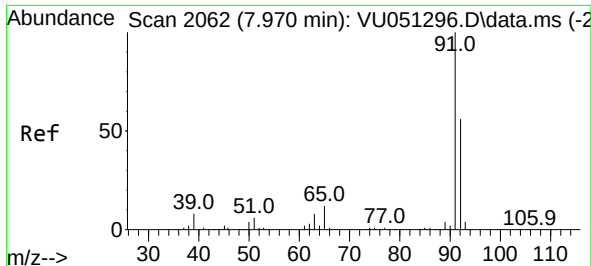
Ion Ratio Lower Upper

43 100

58 41.7 33.0 49.6

100 14.7 11.8 17.6





#42

Toluene

Concen: 4.791 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

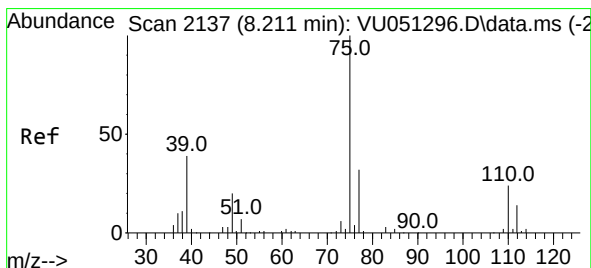
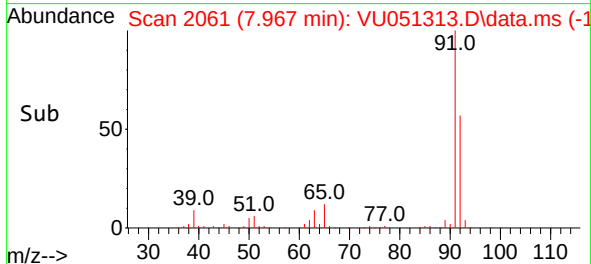
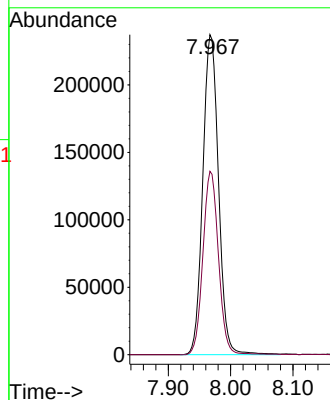
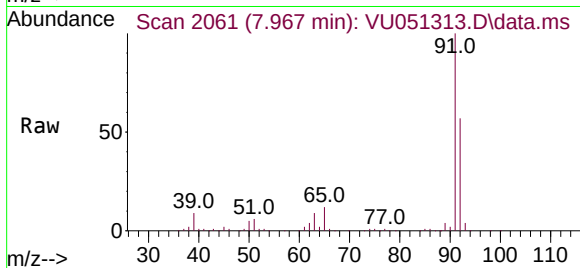
VSTD005170

Tgt Ion: 91 Resp: 415857

Ion Ratio Lower Upper

91 100

92 57.3 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.629 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU051313.D

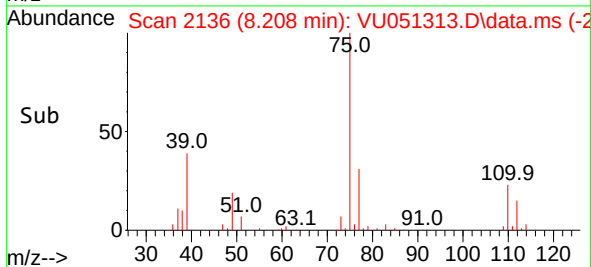
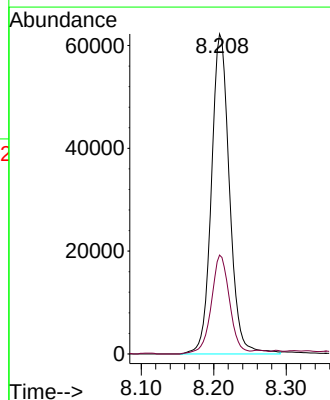
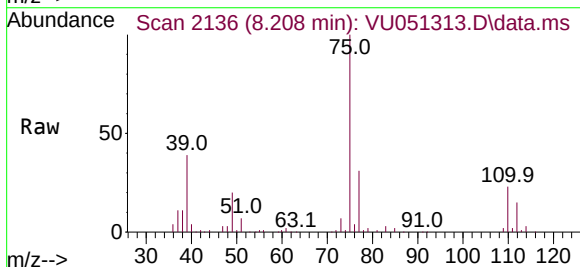
Acq: 09 Oct 2022 20:34

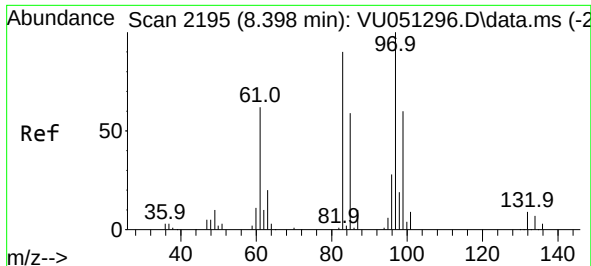
Tgt Ion: 75 Resp: 107821

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.6

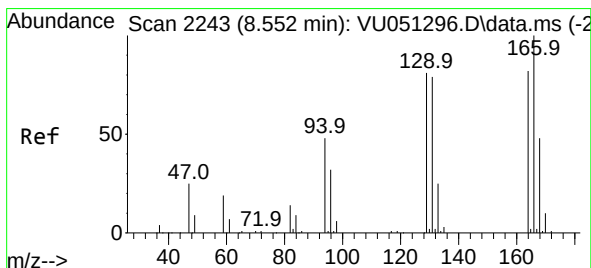
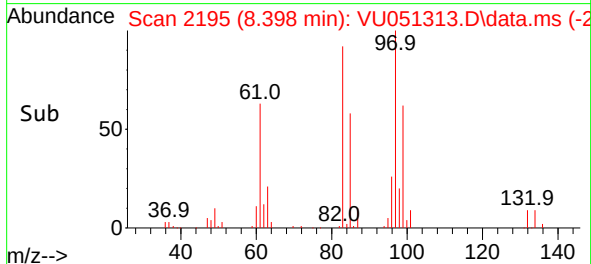
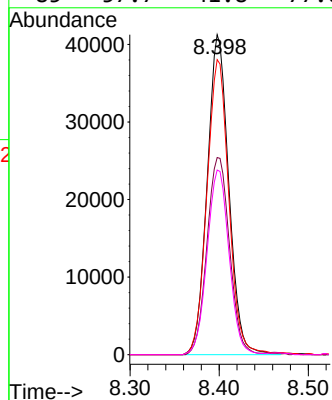
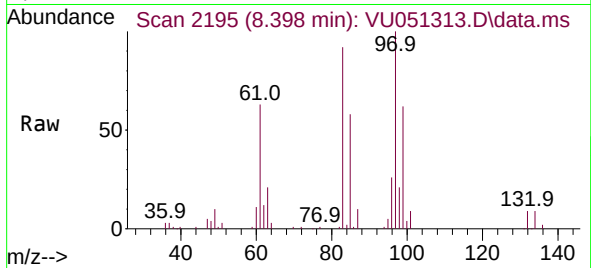




#45
1,1,2-Trichloroethane
Concen: 4.401 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

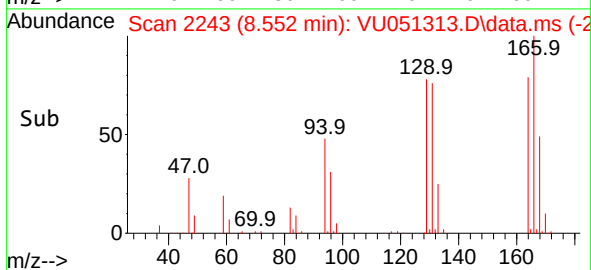
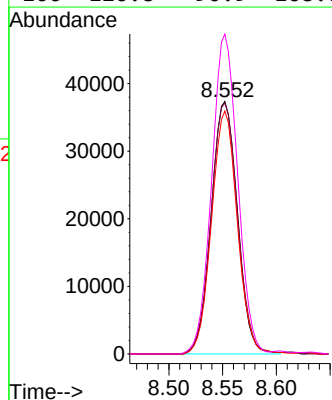
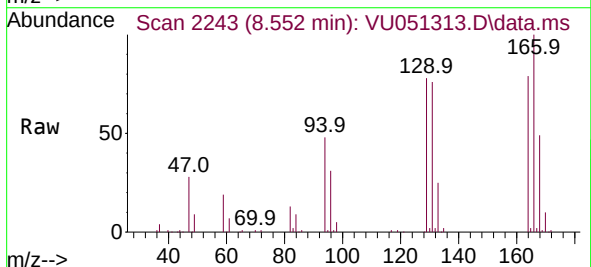
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

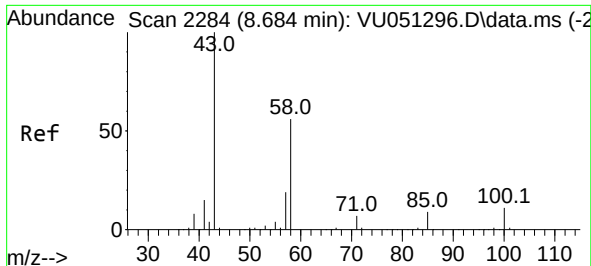
Tgt Ion:	97	Resp:	69259
Ion	Ratio	Lower	Upper
97	100		
99	61.6	45.3	84.1
83	92.2	63.1	117.1
85	57.7	41.8	77.6



#47
Tetrachloroethene
Concen: 4.243 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion:	164	Resp:	63637
Ion	Ratio	Lower	Upper
164	100		
129	99.4	71.3	132.3
131	96.2	66.9	124.3
166	126.8	90.9	168.7

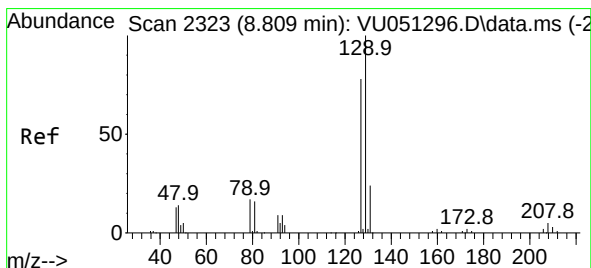
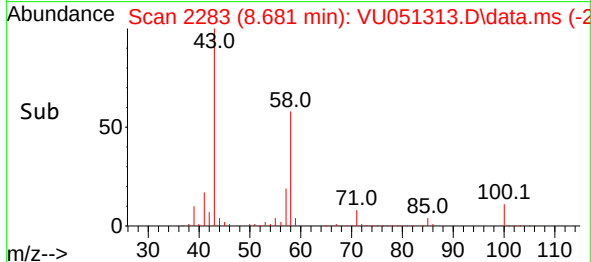
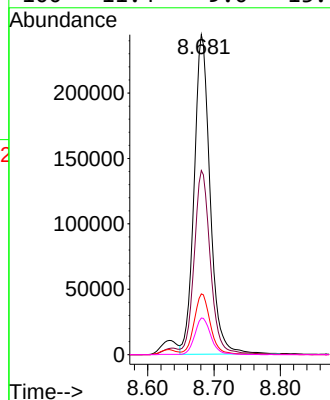
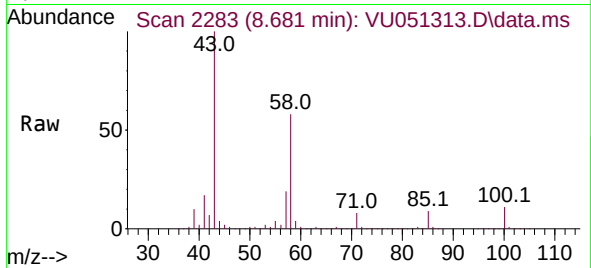




#48
2-Hexanone
Concen: 46.621 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

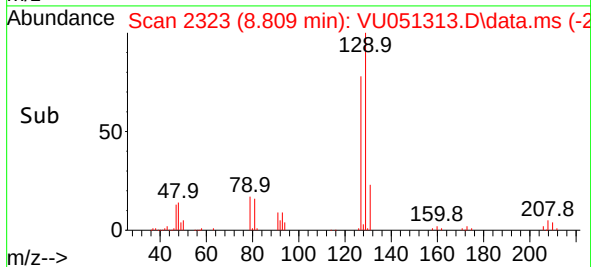
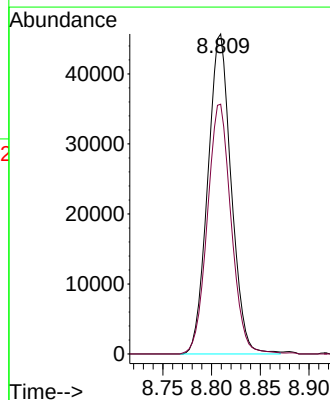
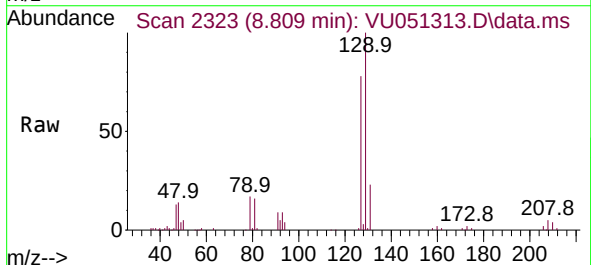
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

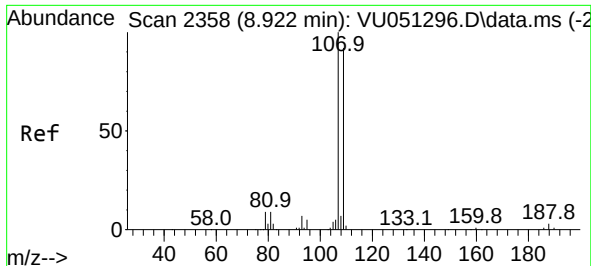
Tgt Ion: 43 Resp: 408167
Ion Ratio Lower Upper
43 100
58 57.8 48.2 72.2
57 19.2 15.5 23.3
100 11.4 9.0 13.4



#49
Dibromochloromethane
Concen: 4.332 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion: 129 Resp: 76544
Ion Ratio Lower Upper
129 100
127 78.1 53.5 99.3





#50

1,2-Dibromoethane

Concen: 4.565 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

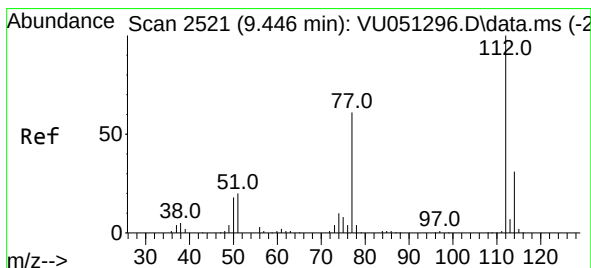
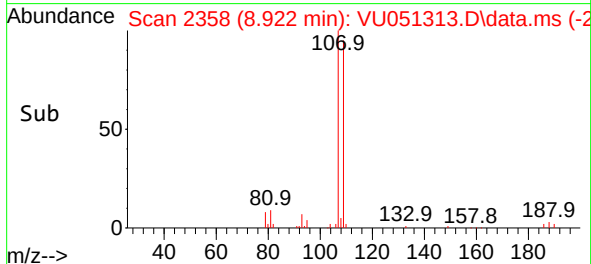
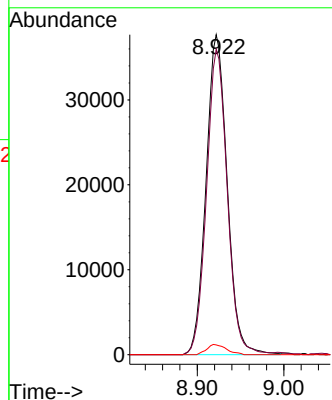
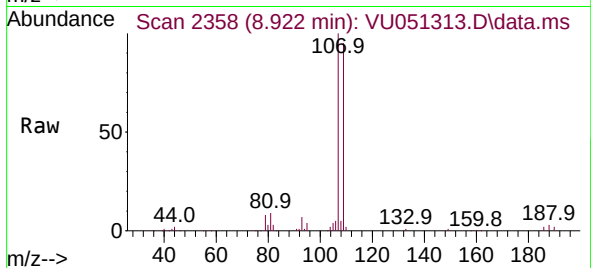
Tgt Ion:107 Resp: 63942

Ion Ratio Lower Upper

107 100

109 95.3 67.1 124.7

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 4.791 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

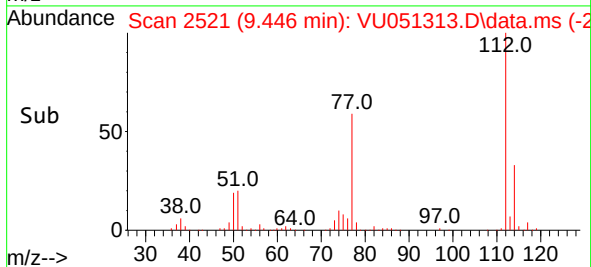
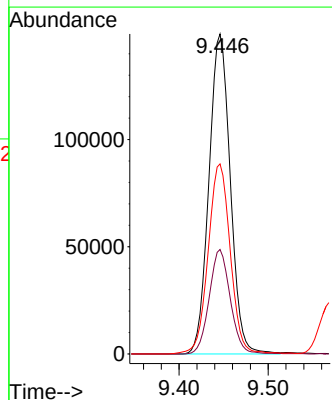
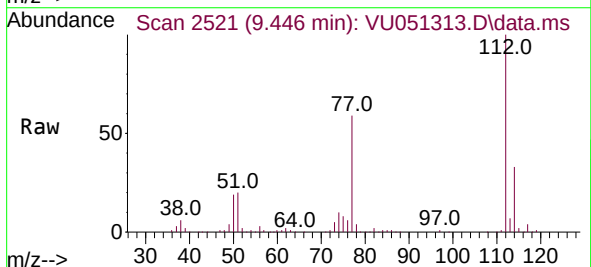
Tgt Ion:112 Resp: 248463

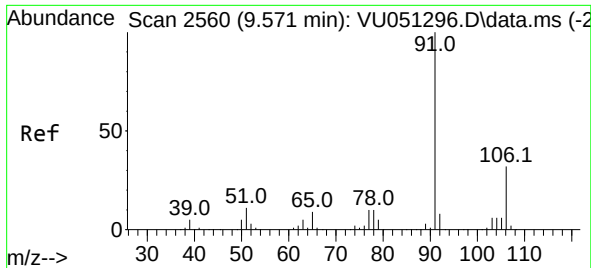
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.5

77 59.4 48.1 72.1

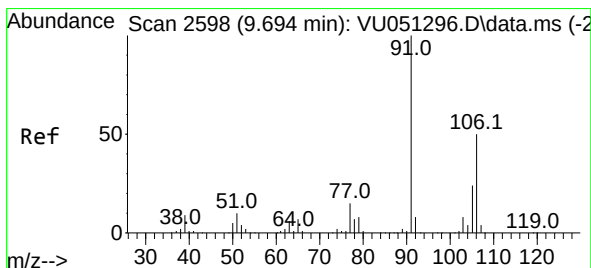
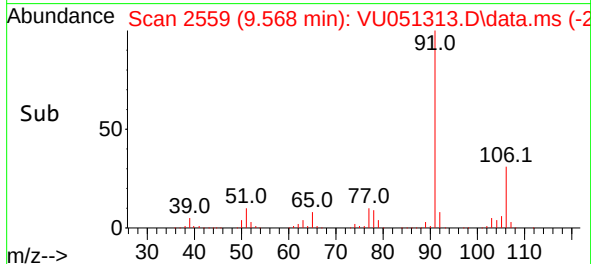
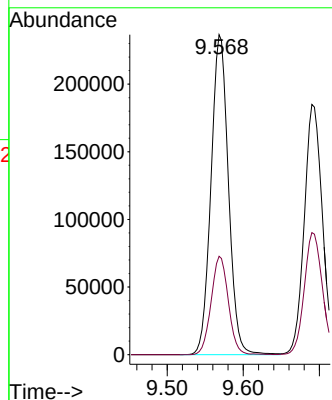
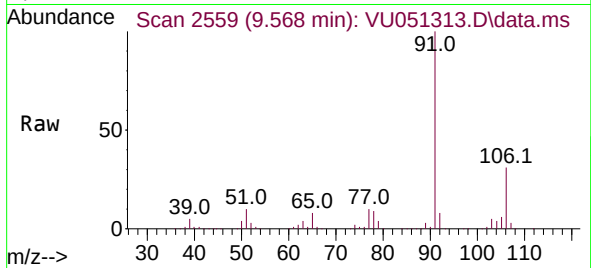




#52
Ethylbenzene
Concen: 4.826 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

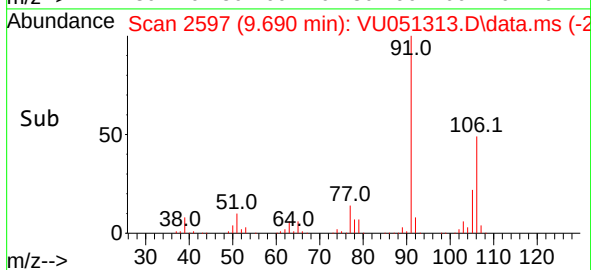
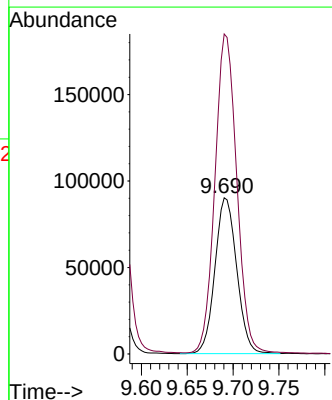
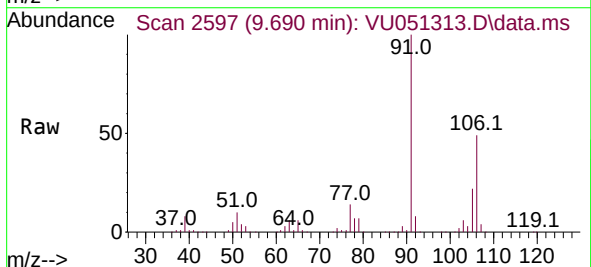
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

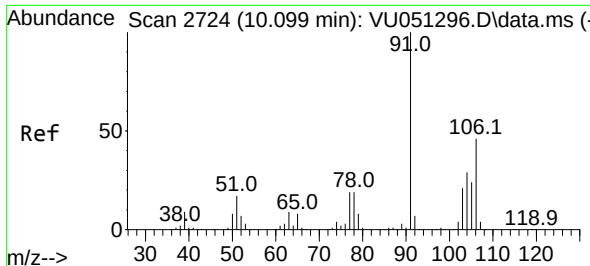
Tgt Ion: 91 Resp: 376427
Ion Ratio Lower Upper
91 100
106 30.7 20.9 38.7



#53
m,p-Xylene
Concen: 4.931 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion: 106 Resp: 149170
Ion Ratio Lower Upper
106 100
91 204.9 143.9 267.3

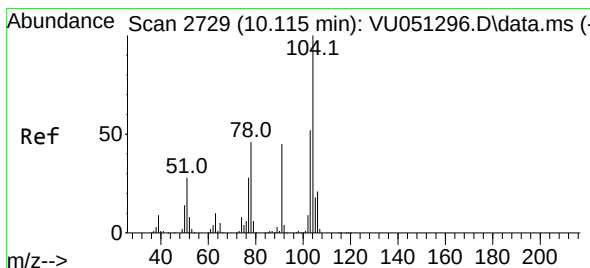
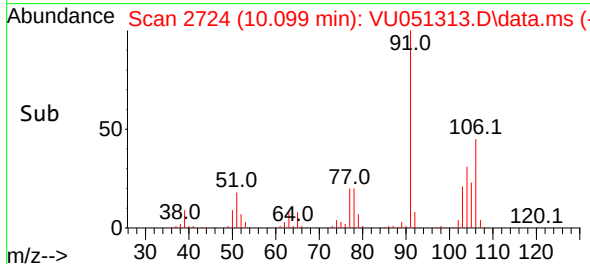
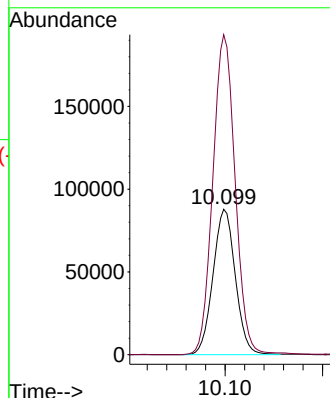
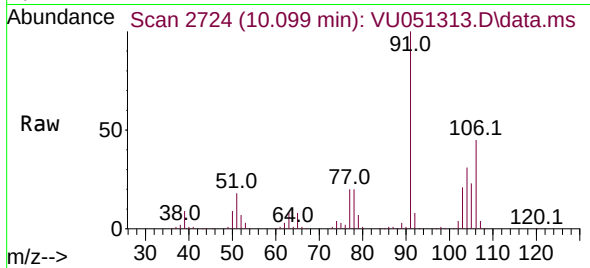




#54
o-Xylene
Concen: 4.885 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

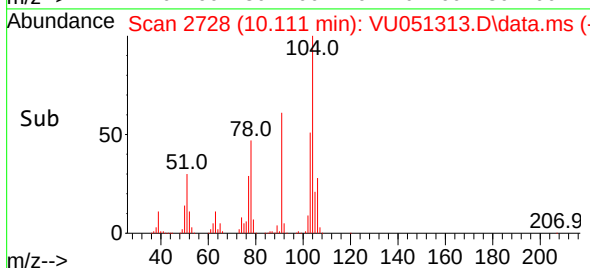
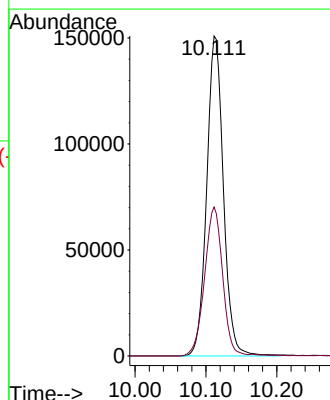
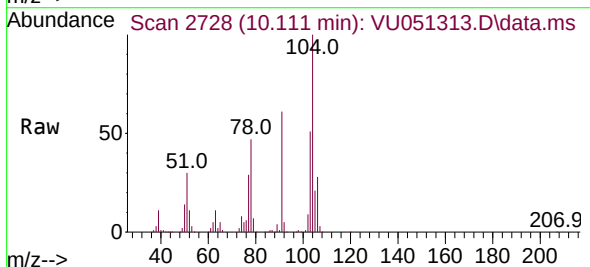
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

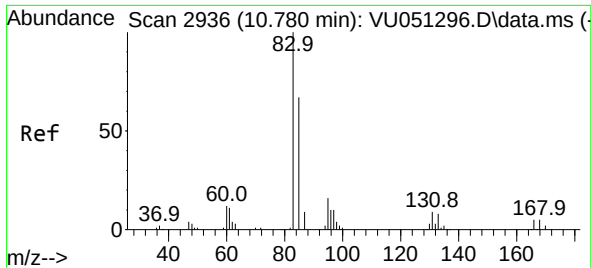
Tgt Ion:106 Resp: 139830
Ion Ratio Lower Upper
106 100
91 219.9 154.4 286.8



#55
Styrene
Concen: 5.018 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion:104 Resp: 247248
Ion Ratio Lower Upper
104 100
78 46.5 32.1 59.7

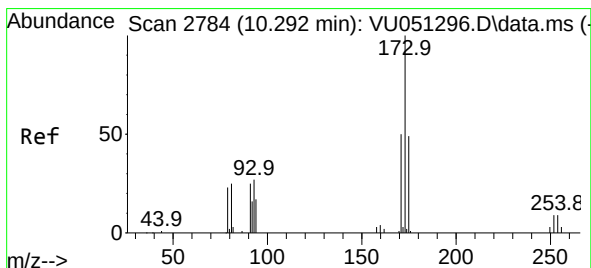
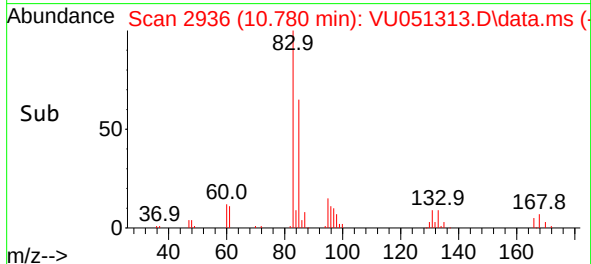
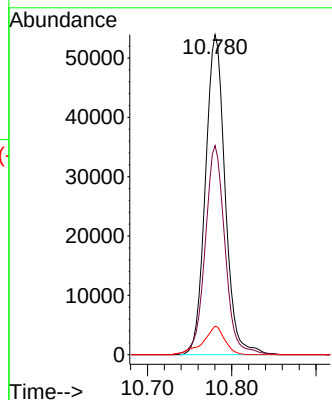
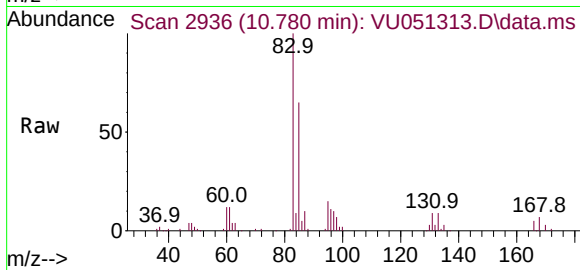




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.499 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. -0.000 min
 Lab File: VU051313.D
 Acq: 09 Oct 2022 20:34

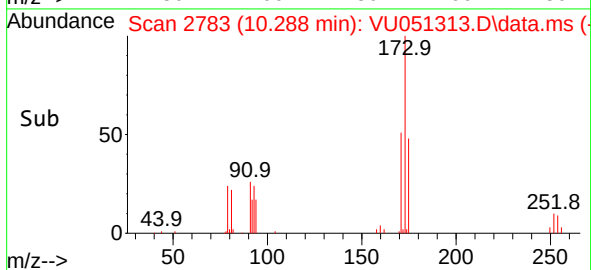
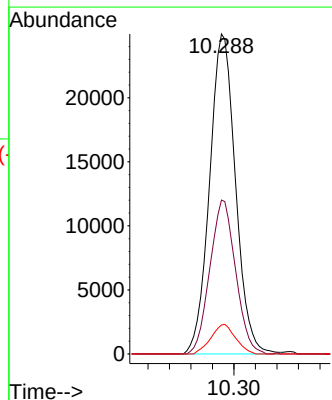
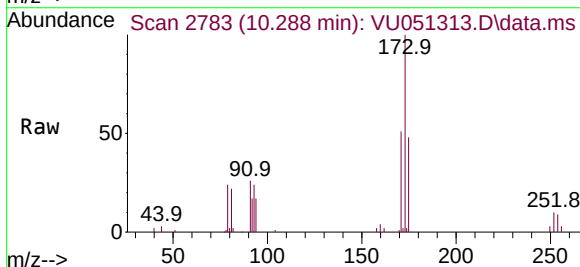
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005170

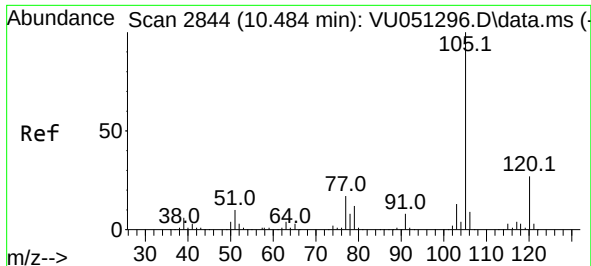
Tgt Ion: 83 Resp: 87641
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.9 85.3
 131 8.9 7.4 11.2



#59
 Bromoform
 Concen: 3.887 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. -0.003 min
 Lab File: VU051313.D
 Acq: 09 Oct 2022 20:34

Tgt Ion: 173 Resp: 41825
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.0 58.4
 254 8.7 7.5 11.3

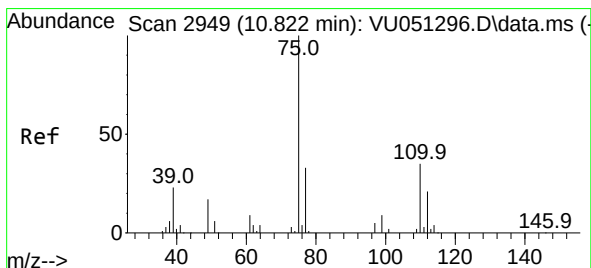
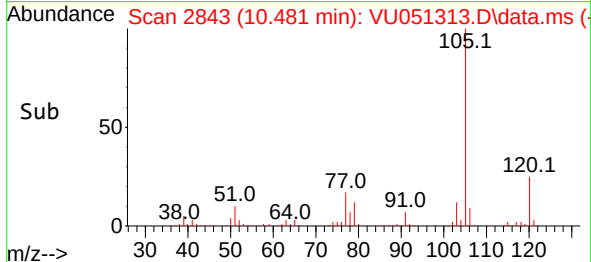
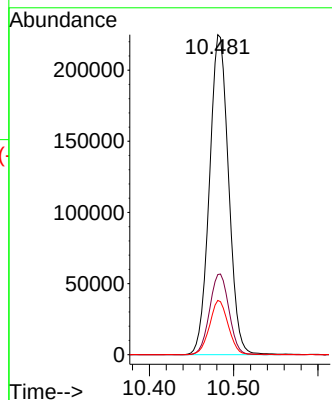
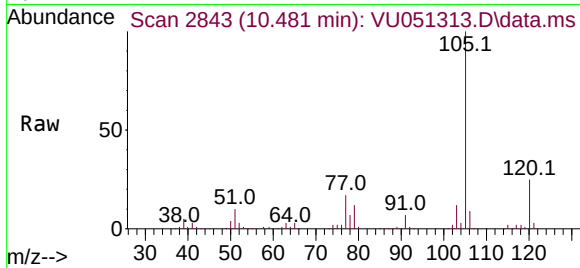




#60
Isopropylbenzene
Concen: 4.334 ug/L
RT: 10.481 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

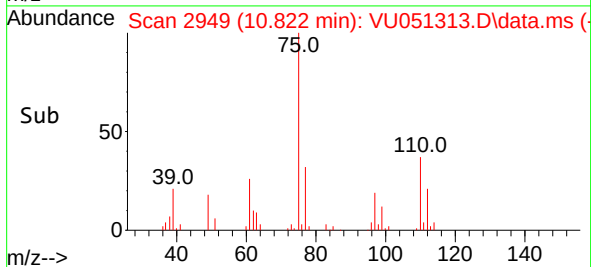
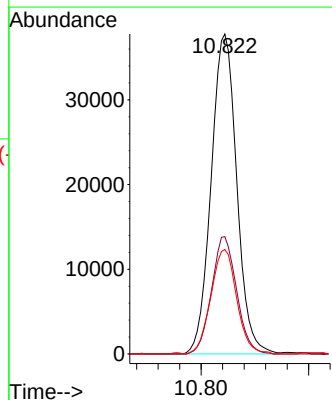
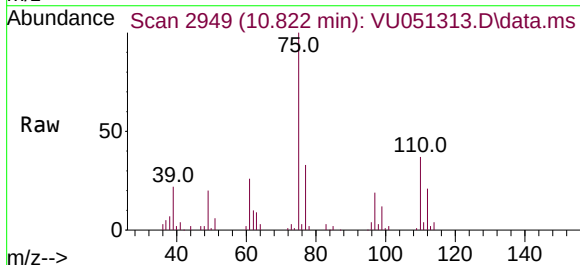
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

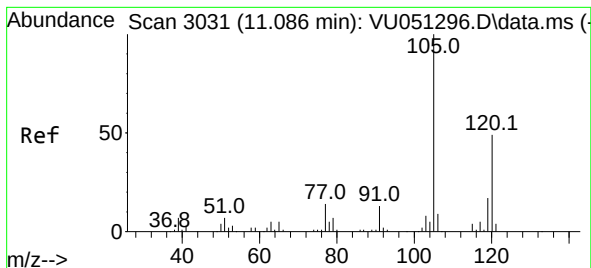
Tgt Ion:105 Resp: 355063
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8
77 16.6 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 3.821 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion: 75 Resp: 62397
Ion Ratio Lower Upper
75 100
110 35.8 27.0 40.6
77 32.9 26.4 39.6





#62

1,3,5-Trimethylbenzene

Concen: 4.059 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

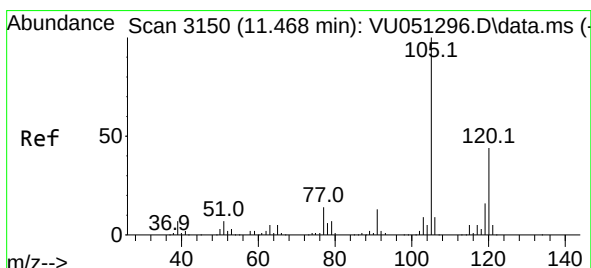
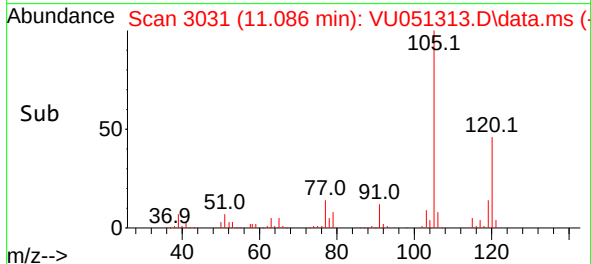
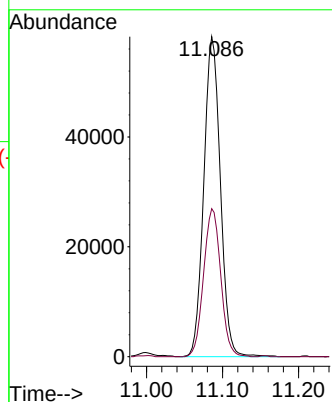
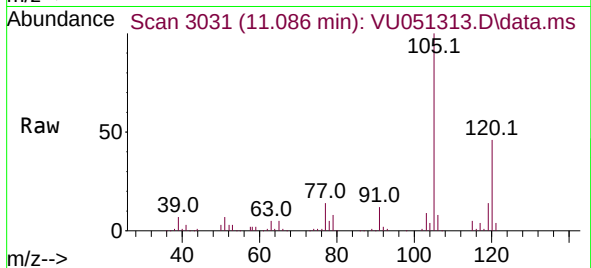
VSTD005170

Tgt Ion:105 Resp: 88206

Ion Ratio Lower Upper

105 100

120 47.7 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 4.282 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU051313.D

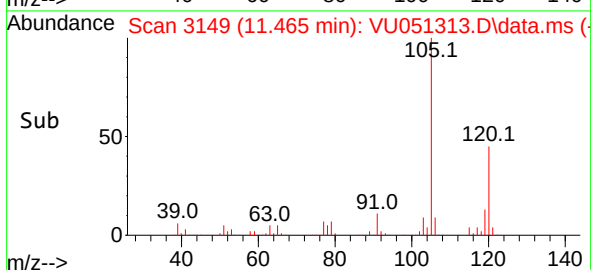
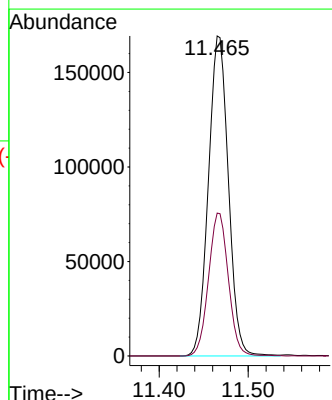
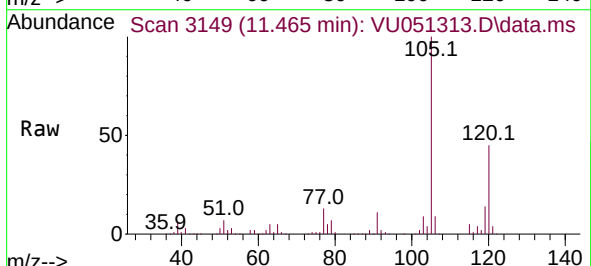
Acq: 09 Oct 2022 20:34

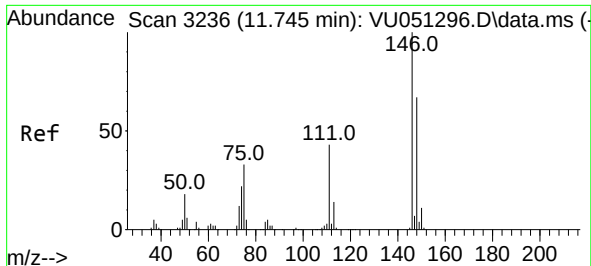
Tgt Ion:105 Resp: 263140

Ion Ratio Lower Upper

105 100

120 44.3 35.6 53.4

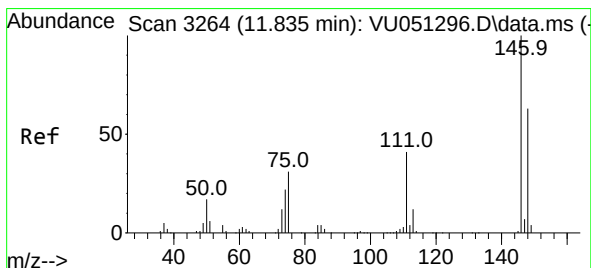
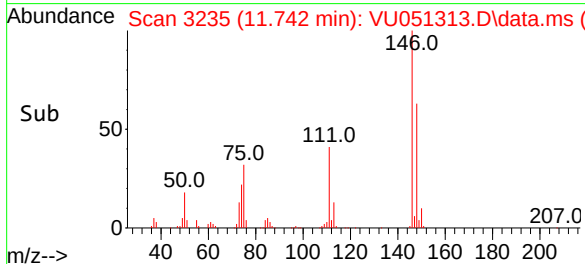
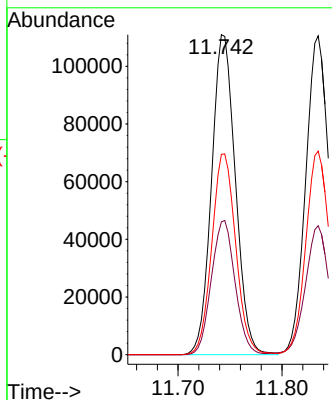
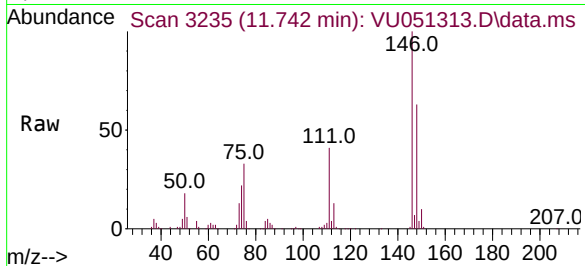




#64
1,3-Dichlorobenzene
Concen: 4.370 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

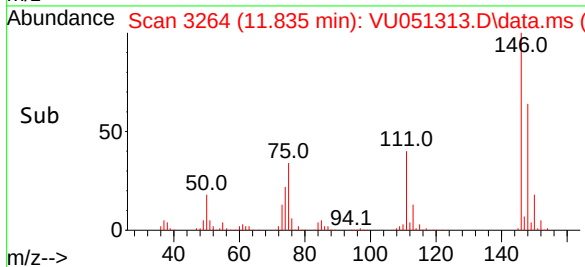
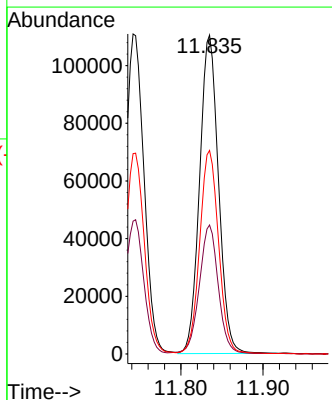
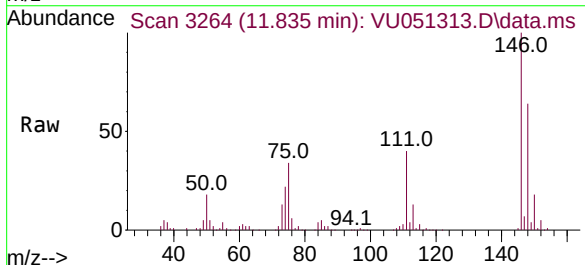
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

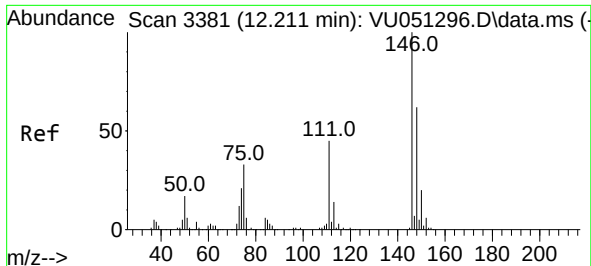
Tgt Ion:146 Resp: 177056
Ion Ratio Lower Upper
146 100
111 41.5 28.3 52.7
148 62.6 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 4.430 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion:146 Resp: 176931
Ion Ratio Lower Upper
146 100
111 40.5 29.1 54.1
148 63.8 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 4.330 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

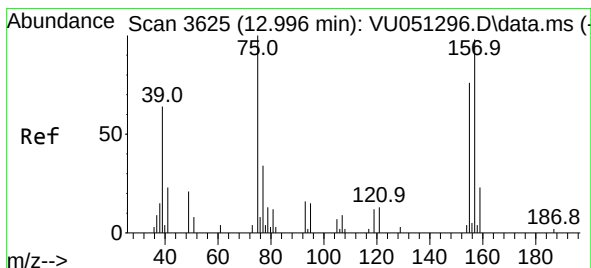
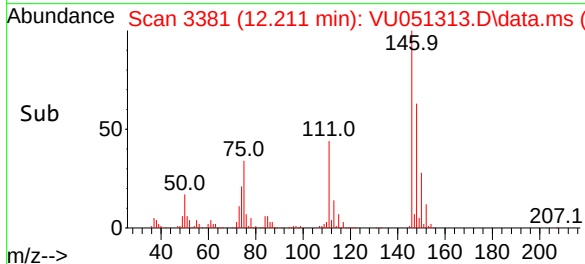
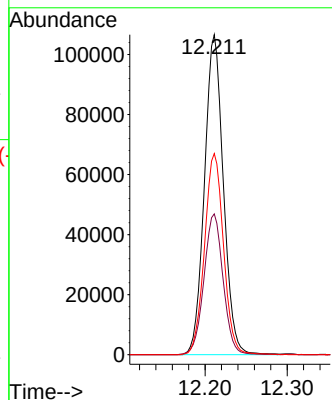
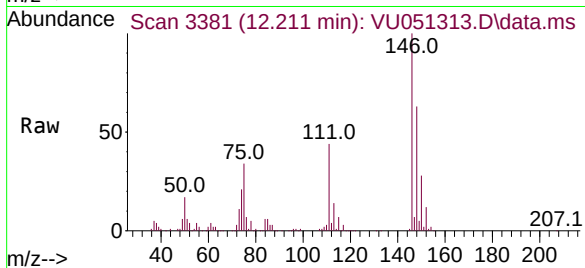
Tgt Ion:146 Resp: 170577

Ion Ratio Lower Upper

146 100

111 44.0 35.5 53.3

148 62.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.074 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

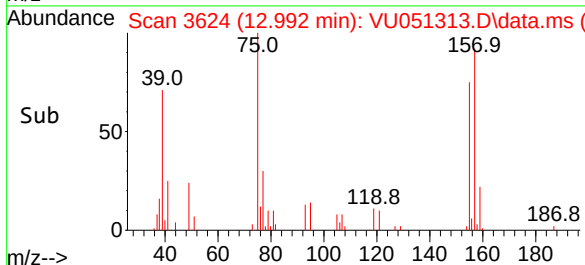
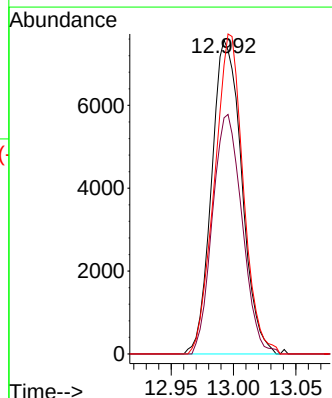
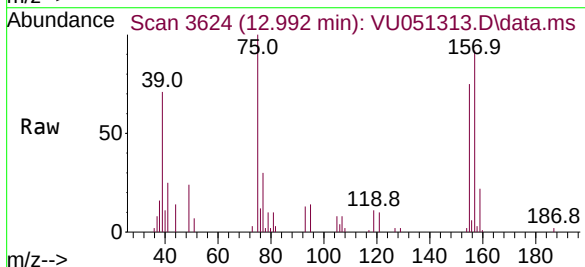
Tgt Ion: 75 Resp: 12727

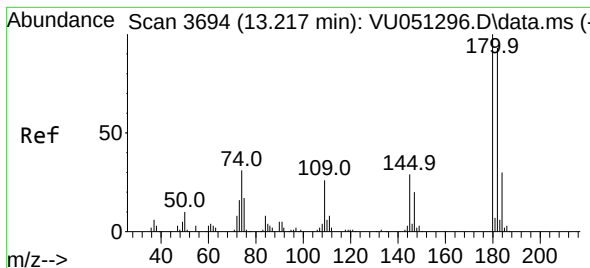
Ion Ratio Lower Upper

75 100

155 75.2 62.7 94.1

157 92.0 78.3 117.5





#69

1,3,5-Trichlorobenzene

Concen: 4.501 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

Tgt Ion:180 Resp: 125705

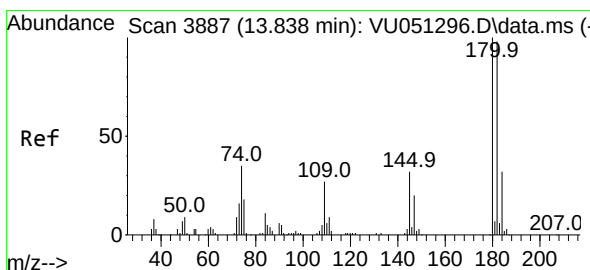
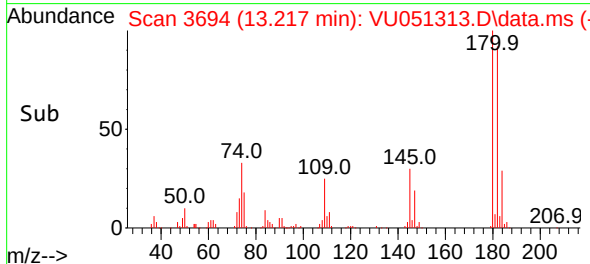
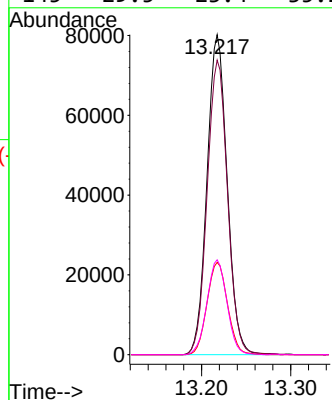
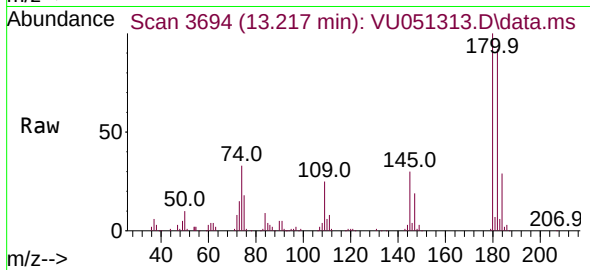
Ion Ratio Lower Upper

180 100

182 93.2 77.7 116.5

184 29.4 23.6 35.4

145 29.5 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.704 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU051313.D

Acq: 09 Oct 2022 20:34

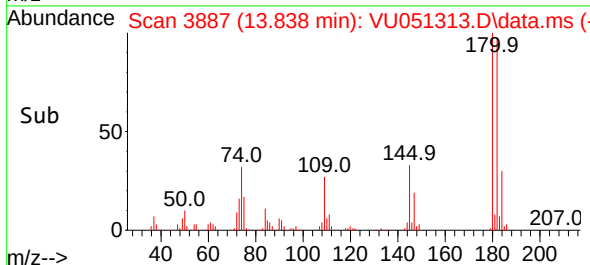
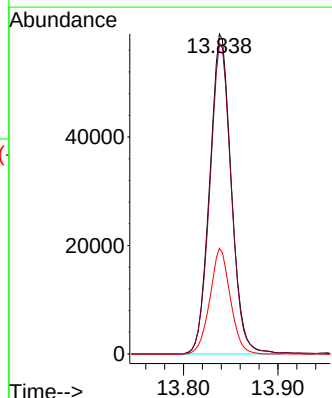
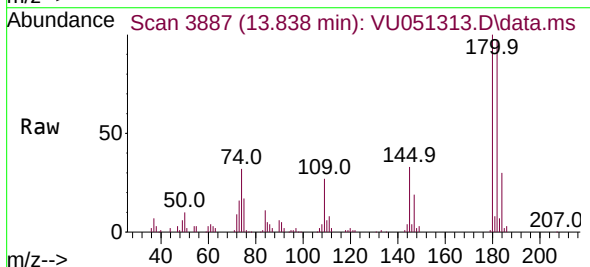
Tgt Ion:180 Resp: 93381

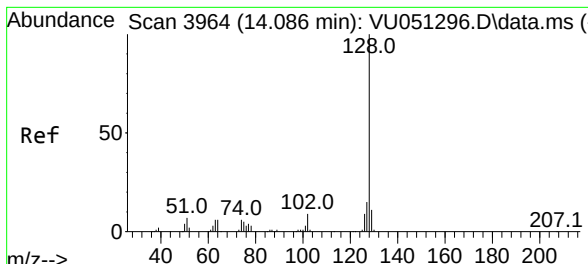
Ion Ratio Lower Upper

180 100

182 96.9 78.7 118.1

145 31.2 25.0 37.4

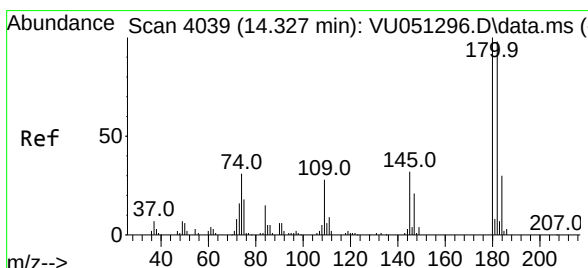
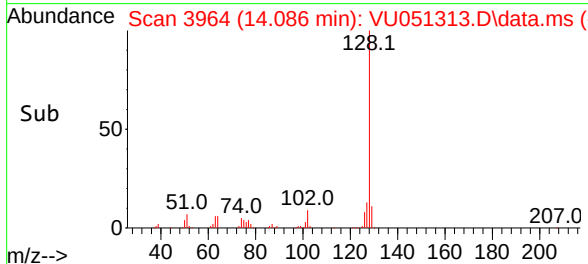
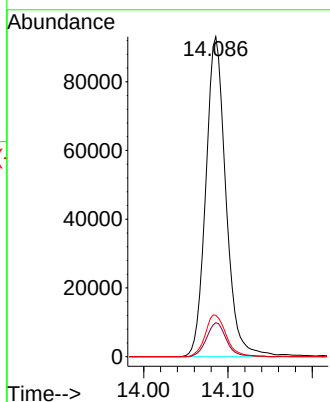
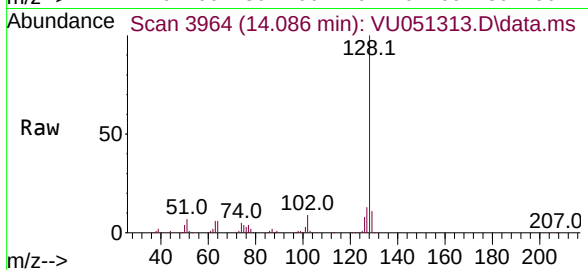




#71
Naphthalene
Concen: 4.186 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

Tgt Ion:	128	Resp:	154440
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.5	12.7
127	13.6	11.1	16.7



#72
1,2,3-Trichlorobenzene
Concen: 4.494 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051313.D
Acq: 09 Oct 2022 20:34

Tgt Ion:	180	Resp:	92286
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.6	114.8
145	32.1	25.8	38.8

