

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012123\
 Data File : VU052762.D
 Acq On : 20 Jan 2023 15:24
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.1mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005130

Quant Time: Jan 21 01:39:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 18 01:16:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	139412	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	132984	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	73960	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	47409	3.871	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.913	69	41593	4.168	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.565	65	23270	4.314	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.200%
20) 2-Butanone-d5	4.642	46	135909	41.501	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.000%
24) Chloroform-d	5.060	84	107555	4.708	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.700	65	54859	4.676	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.723	84	209936	4.871	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.687	67	63044	4.389	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.896	98	192263	5.059	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	8.176	79	25354	4.746	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.632	63	106366	47.937	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.880%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	51337	4.668	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	67011	4.977	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	67032	4.476	ug/L	100
3) Chloromethane	1.517	50	60345	3.318	ug/L	99
5) Vinyl chloride	1.604	62	64499	3.706	ug/L	99
6) Bromomethane	1.858	94	40499	4.483	ug/L	97
8) Chloroethane	1.935	64	40613	3.839	ug/L	98
9) Trichlorofluoromethane	2.138	101	96326	4.695	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	57216	4.741	ug/L	95
12) 1,1-Dichloroethene	2.578	96	53744	4.446	ug/L	92
13) Acetone	2.662	43	102787	43.764	ug/L	100
14) Carbon disulfide	2.790	76	170315	4.077	ug/L	97
15) Methyl Acetate	2.957	43	22043	3.915	ug/L #	88
16) Methylene chloride	3.044	84	67979	4.226	ug/L	89
17) Methyl tert-butyl Ether	3.363	73	131109	4.902	ug/L	97
18) trans-1,2-Dichloroethene	3.350	96	59431	4.821	ug/L	91
19) 1,1-Dichloroethane	3.864	63	106646	4.166	ug/L	98
21) 2-Butanone	4.719	43	157308	41.607	ug/L	94
22) cis-1,2-Dichloroethene	4.662	96	63310	4.783	ug/L	96
23) Bromochloromethane	4.970	128	28477	5.082	ug/L #	75
25) Chloroform	5.083	83	114243	4.540	ug/L	100

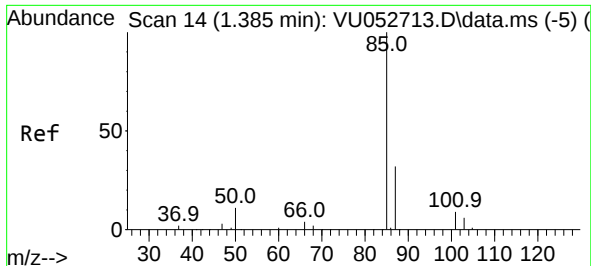
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012123\
 Data File : VU052762.D
 Acq On : 20 Jan 2023 15:24
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.1mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005130

Quant Time: Jan 21 01:39:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 18 01:16:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	70406	4.617	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	99210	4.755	ug/L	96
30) Cyclohexane	5.385	56	94001	4.478	ug/L	92
31) Carbon tetrachloride	5.520	117	81743	5.000	ug/L	98
33) Benzene	5.771	78	247136	4.695	ug/L	100
34) Trichloroethene	6.539	95	60614	4.868	ug/L	92
35) Methylcyclohexane	6.761	83	100008	4.864	ug/L	93
37) 1,2-Dichloropropane	6.787	63	61805	4.375	ug/L	99
38) Bromodichloromethane	7.102	83	80317	4.829	ug/L	95
39) cis-1,3-Dichloropropene	7.604	75	87975	4.906	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	353673	43.778	ug/L #	94
42) Toluene	7.967	91	258749	4.935	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	73884	4.773	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	43546	4.901	ug/L	94
47) Tetrachloroethene	8.549	164	50554	5.511	ug/L	97
48) 2-Hexanone	8.684	43	268647	45.416	ug/L #	95
49) Dibromochloromethane	8.806	129	52482	5.109	ug/L	97
50) 1,2-Dibromoethane	8.922	107	40777	4.992	ug/L #	97
51) Chlorobenzene	9.443	112	165769	5.075	ug/L	97
52) Ethylbenzene	9.568	91	272984	5.111	ug/L	97
53) m,p-Xylene	9.690	106	109854	5.430	ug/L	97
54) o-Xylene	10.099	106	105019	5.429	ug/L	99
55) Styrene	10.112	104	178289	5.403	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	53867	4.641	ug/L	99
59) Bromoform	10.288	173	29821	5.185	ug/L	97
60) Isopropylbenzene	10.481	105	277829	5.300	ug/L	98
61) 1,2,3-Trichloropropane	10.819	75	37946	4.415	ug/L	91
62) 1,3,5-Trimethylbenzene	11.086	105	228673	5.469	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	226207	5.370	ug/L	95
64) 1,3-Dichlorobenzene	11.742	146	129220	5.182	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	126186	4.960	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	119869	5.108	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	8439	4.257	ug/L #	71
69) 1,3,5-Trichlorobenzene	13.214	180	95464	5.154	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	73957	4.978	ug/L	98
71) Naphthalene	14.082	128	119541	4.635	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	68395	5.025	ug/L	99

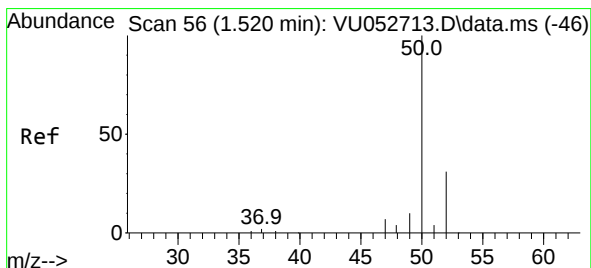
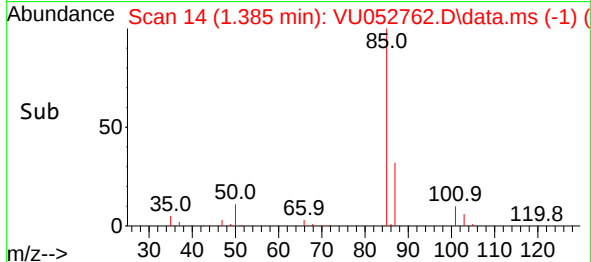
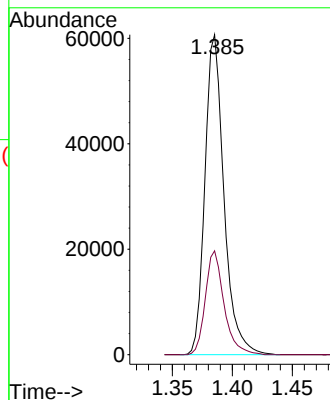
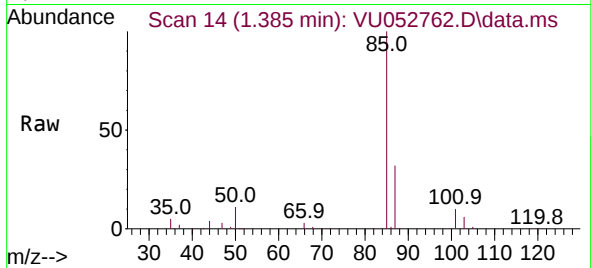
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.476 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

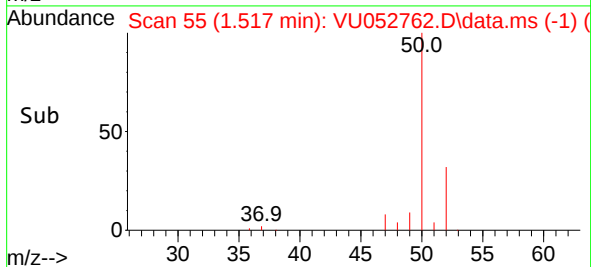
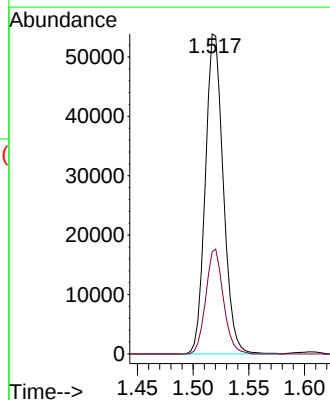
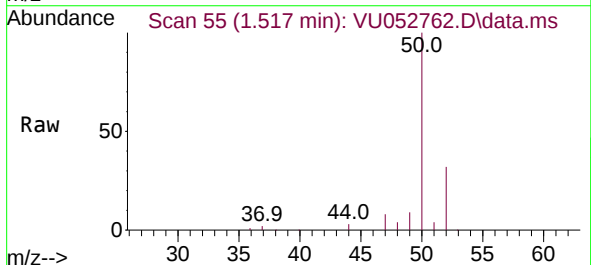
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

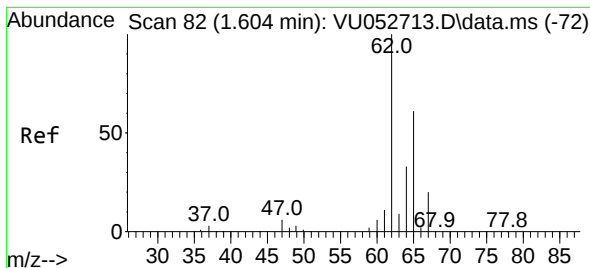
Tgt Ion: 85 Resp: 67032
Ion Ratio Lower Upper
85 100
87 31.9 25.5 38.3



#3
Chloromethane
Concen: 3.318 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion: 50 Resp: 60345
Ion Ratio Lower Upper
50 100
52 32.0 22.7 42.3





#5

Vinyl chloride

Concen: 3.706 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

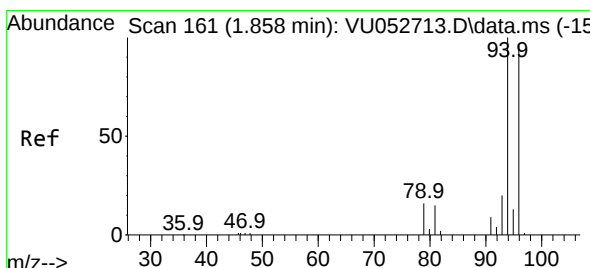
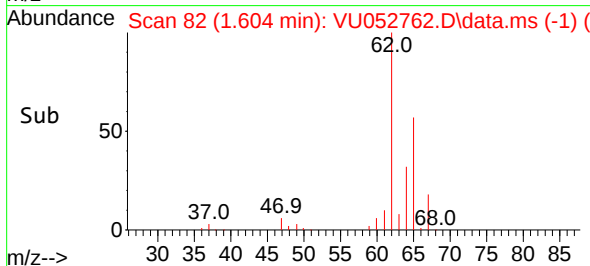
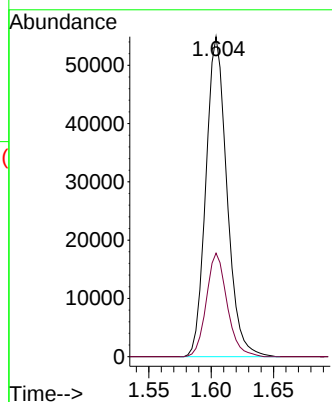
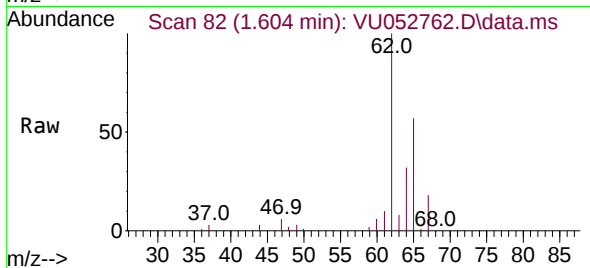
VSTD005130

Tgt Ion: 62 Resp: 64499

Ion Ratio Lower Upper

62 100

64 32.3 22.3 41.3



#6

Bromomethane

Concen: 4.483 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU052762.D

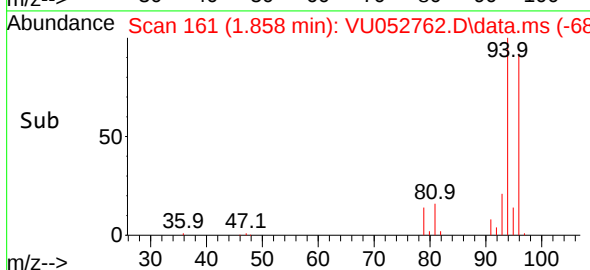
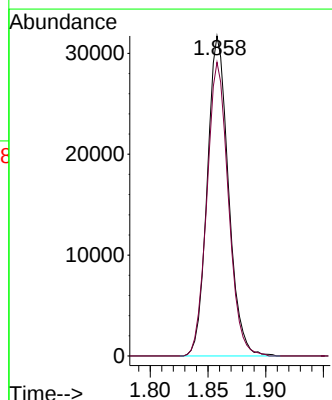
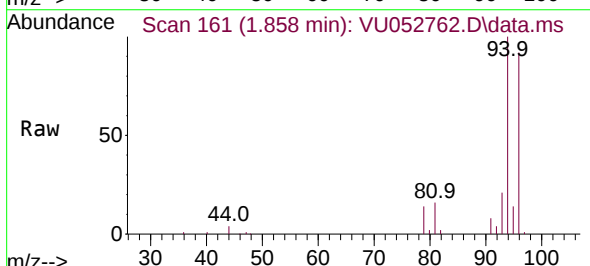
Acq: 20 Jan 2023 15:24

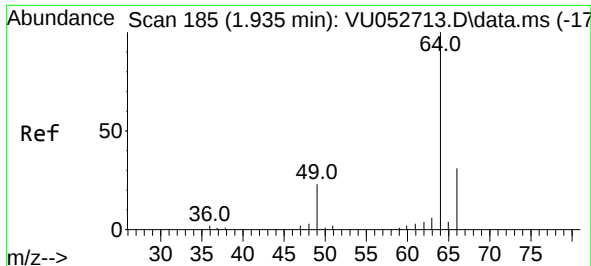
Tgt Ion: 94 Resp: 40499

Ion Ratio Lower Upper

94 100

96 91.8 62.2 115.6

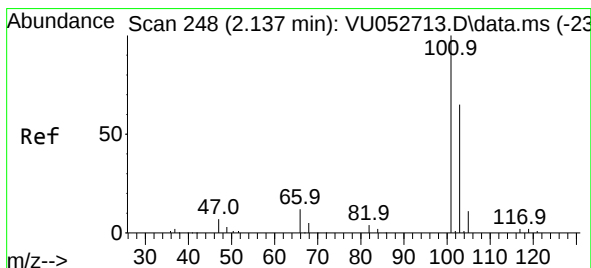
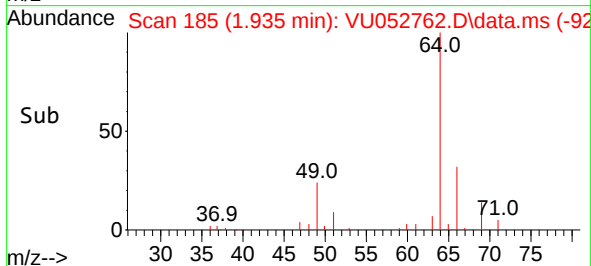
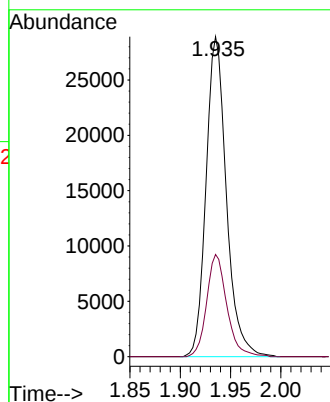
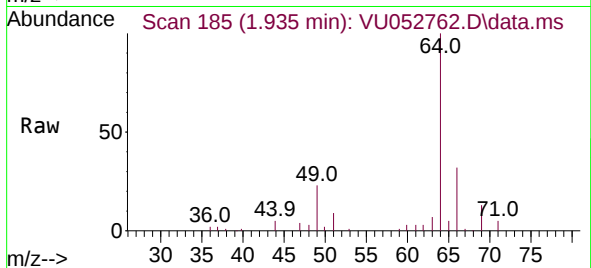




#8
Chloroethane
Concen: 3.839 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

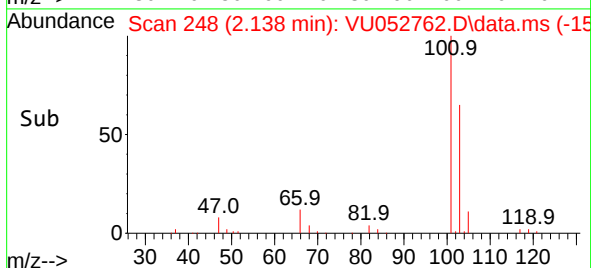
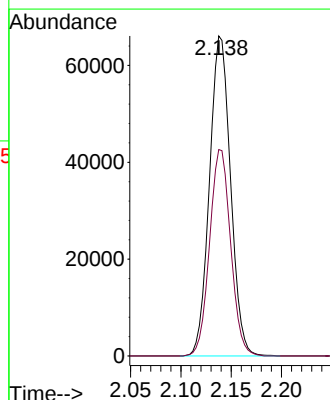
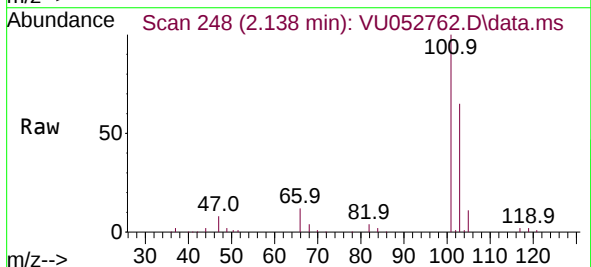
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

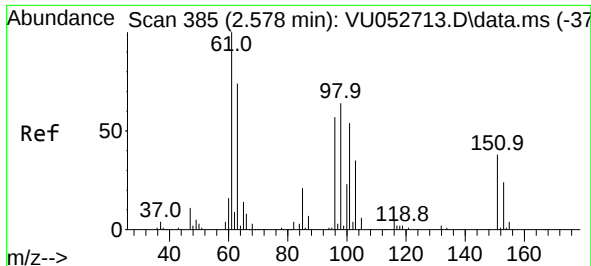
Tgt Ion: 64 Resp: 40613
Ion Ratio Lower Upper
64 100
66 32.0 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.695 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion:101 Resp: 96326
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

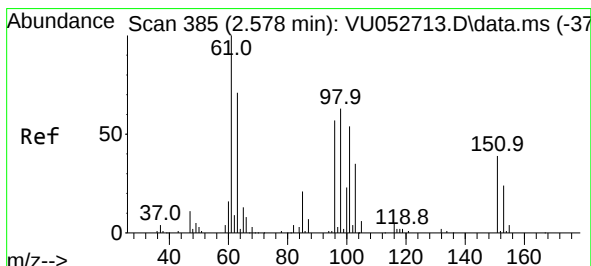
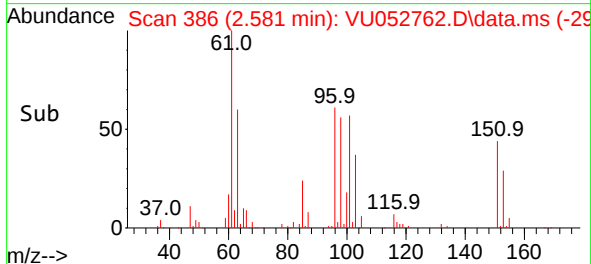
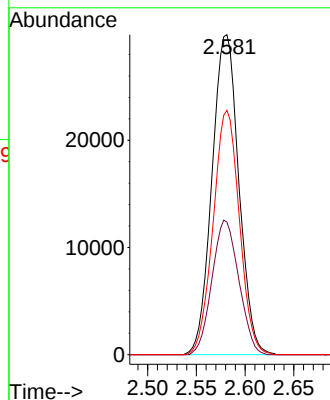
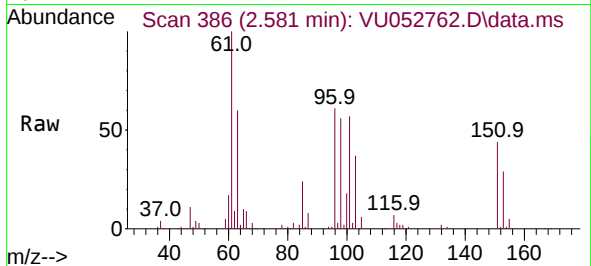




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.741 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

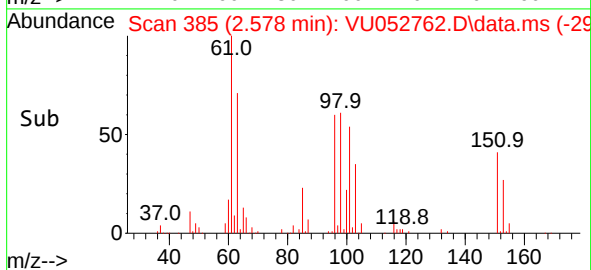
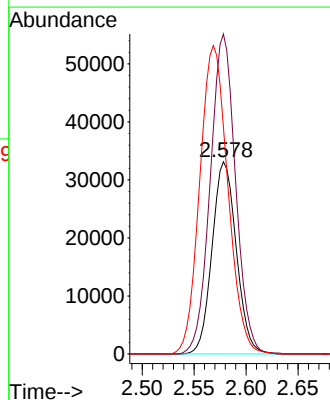
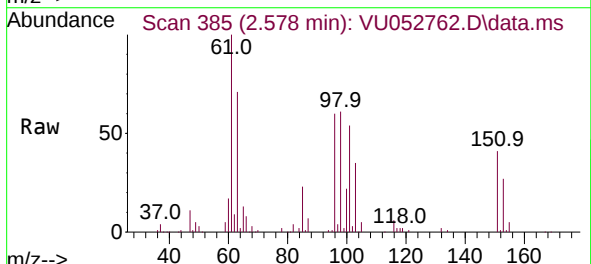
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

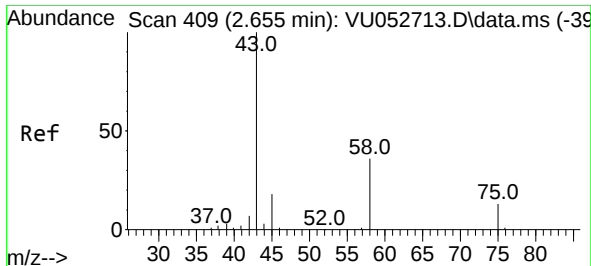
Tgt Ion:101 Resp: 57216
Ion Ratio Lower Upper
101 100
85 42.0 35.0 52.6
151 74.6 55.0 82.6



#12
1,1-Dichloroethene
Concen: 4.446 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion: 96 Resp: 53744
Ion Ratio Lower Upper
96 100
61 166.5 129.6 240.8
63 118.4 83.7 155.5





#13

Acetone

Concen: 43.764 ug/L

RT: 2.662 min Scan# 411

Delta R.T. 0.007 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

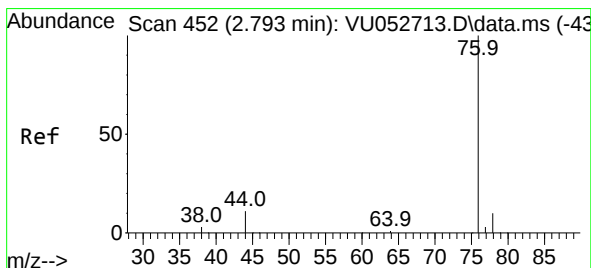
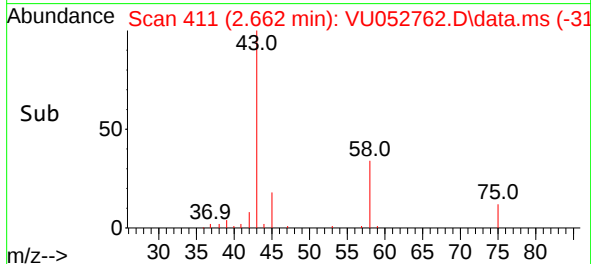
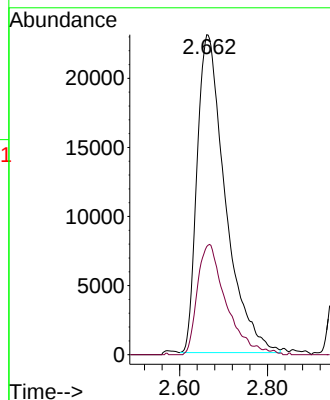
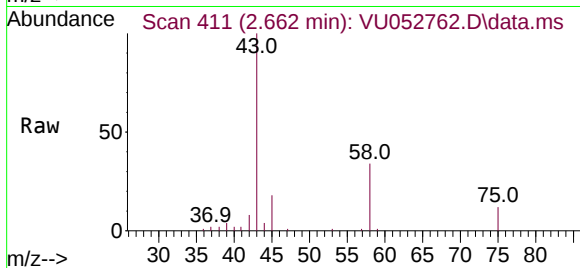
VSTD005130

Tgt Ion: 43 Resp: 102787

Ion Ratio Lower Upper

43 100

58 34.1 0.0 68.8



#14

Carbon disulfide

Concen: 4.077 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU052762.D

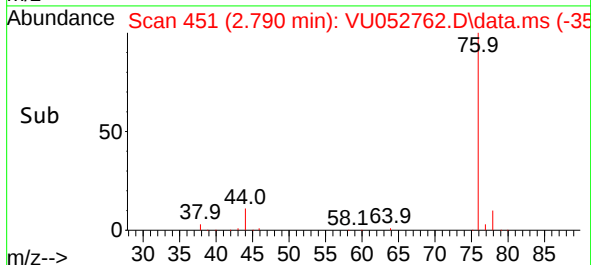
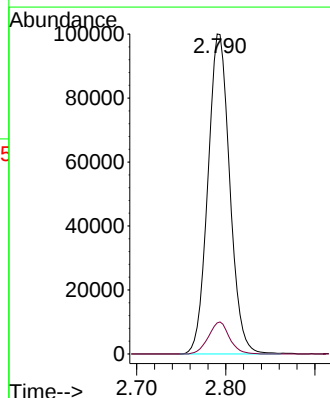
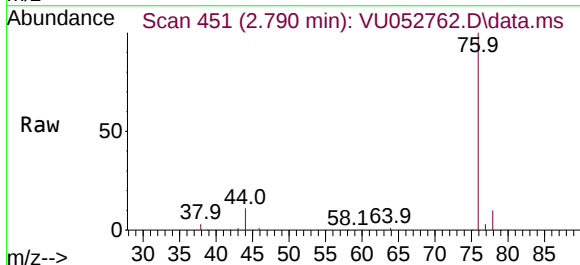
Acq: 20 Jan 2023 15:24

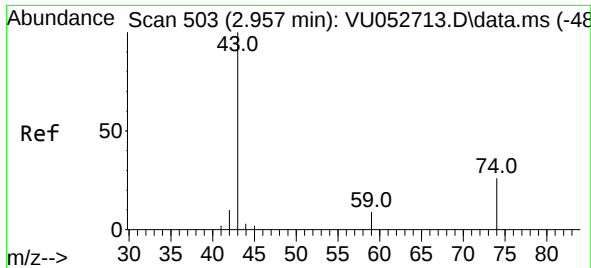
Tgt Ion: 76 Resp: 170315

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6

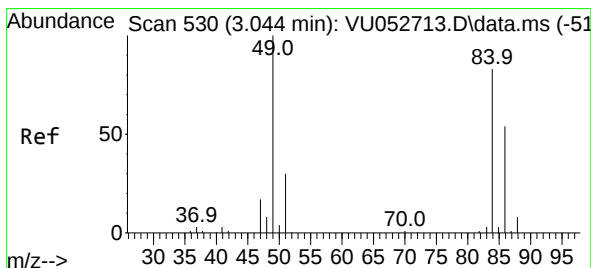
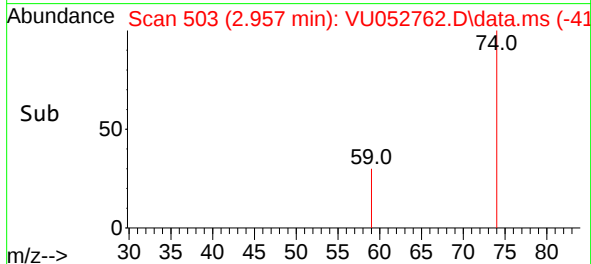
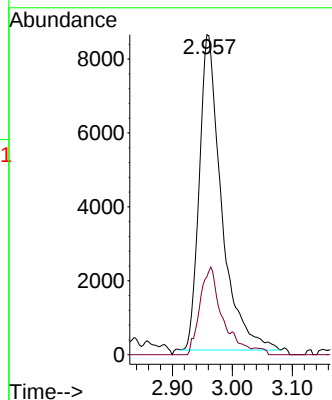
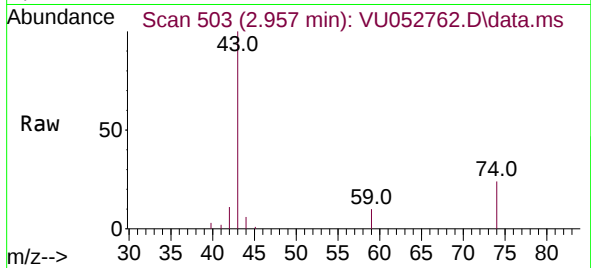




#15
Methyl Acetate
Concen: 3.915 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

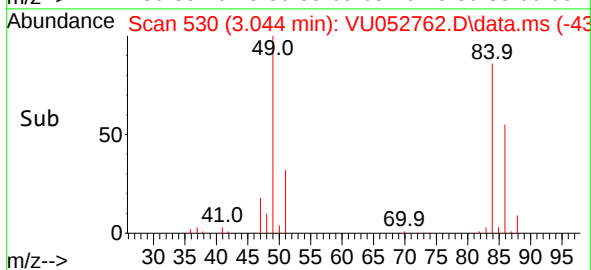
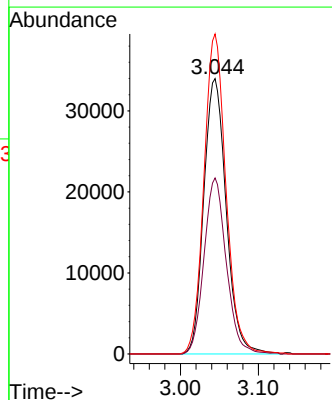
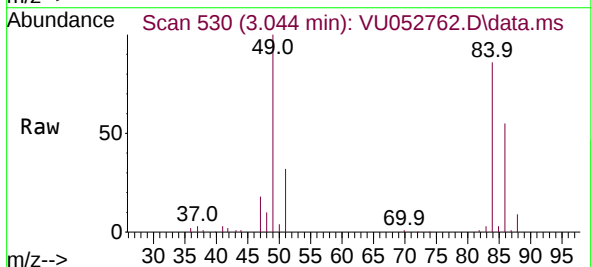
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

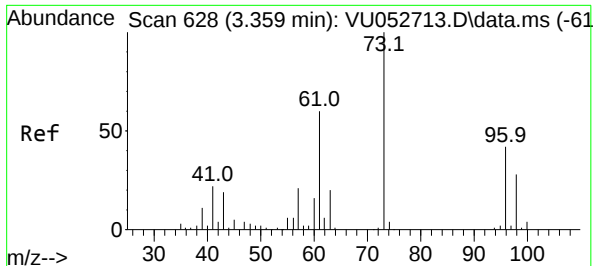
Tgt Ion: 43 Resp: 22043
Ion Ratio Lower Upper
43 100
74 27.8 17.5 26.3#



#16
Methylene chloride
Concen: 4.226 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion: 84 Resp: 67979
Ion Ratio Lower Upper
84 100
86 63.9 45.6 84.6
49 116.2 94.8 176.0





#17

Methyl tert-butyl Ether

Concen: 4.902 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005130

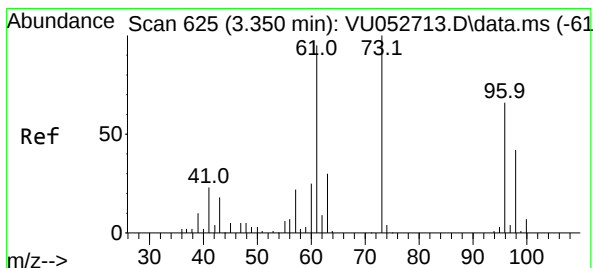
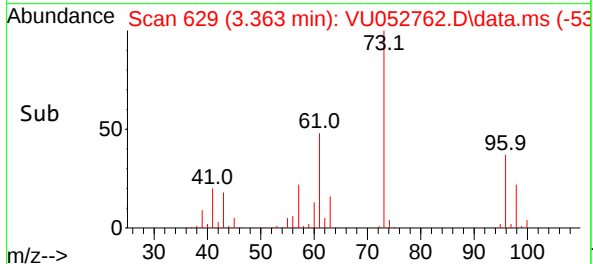
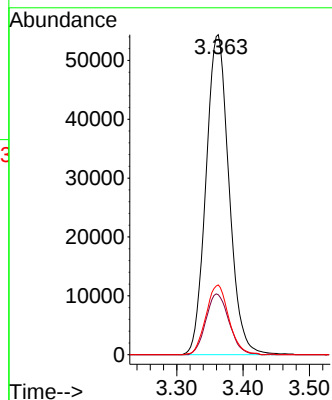
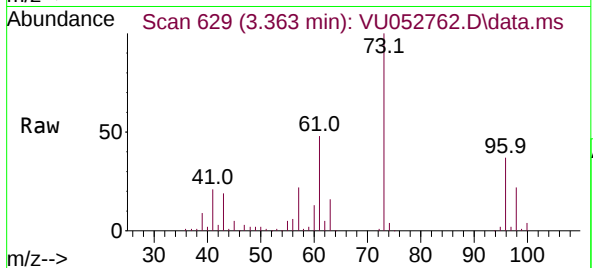
Tgt Ion: 73 Resp: 131109

Ion Ratio Lower Upper

73 100

43 19.1 15.8 23.8

57 21.7 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 4.821 ug/L

RT: 3.350 min Scan# 625

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

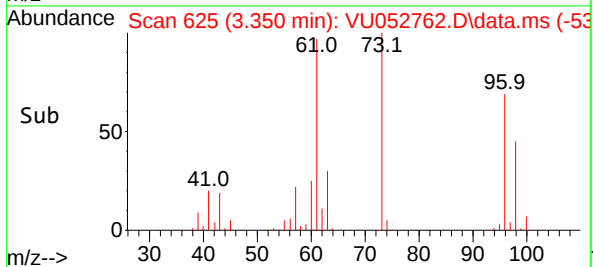
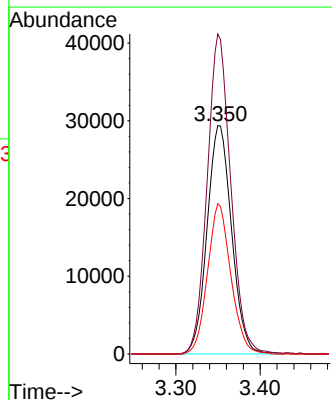
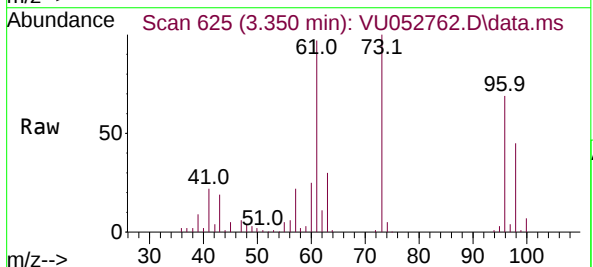
Tgt Ion: 96 Resp: 59431

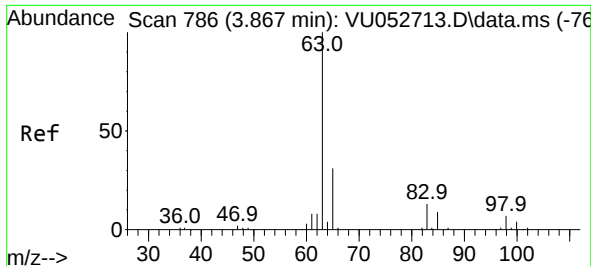
Ion Ratio Lower Upper

96 100

61 140.1 108.4 201.4

98 65.8 43.8 81.4





#19

1,1-Dichloroethane

Concen: 4.166 ug/L

RT: 3.864 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005130

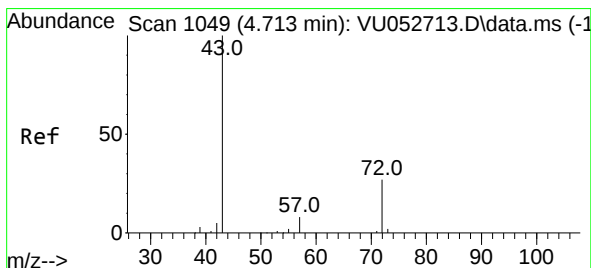
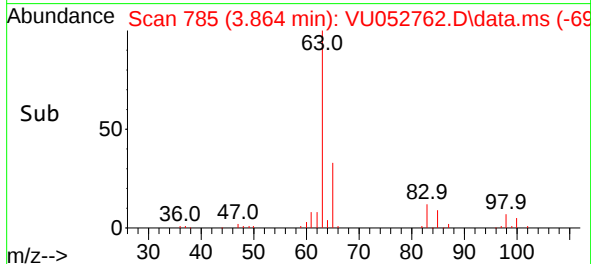
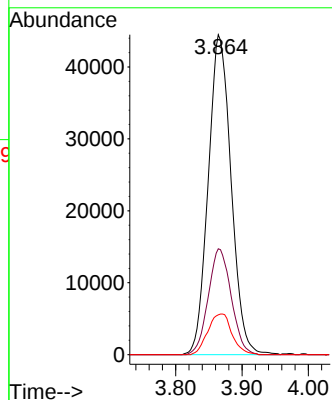
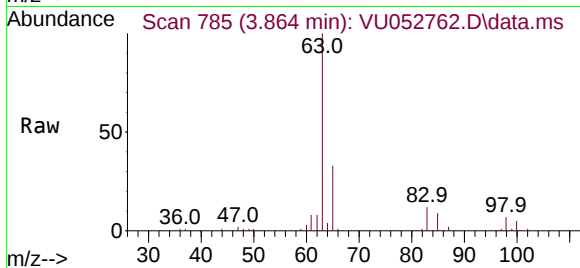
Tgt Ion: 63 Resp: 106646

Ion Ratio Lower Upper

63 100

65 33.1 22.0 41.0

83 12.5 8.9 16.5



#21

2-Butanone

Concen: 41.607 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. 0.007 min

Lab File: VU052762.D

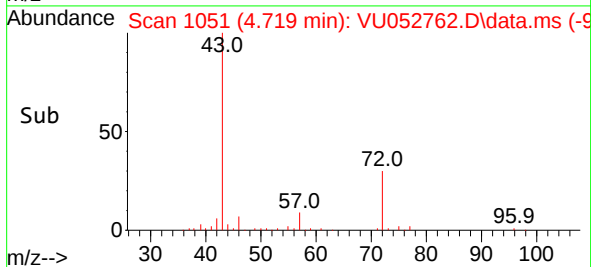
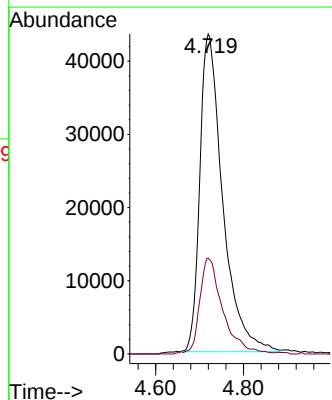
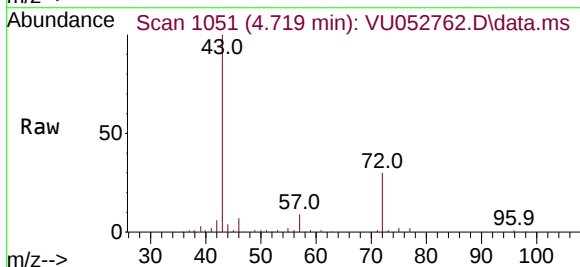
Acq: 20 Jan 2023 15:24

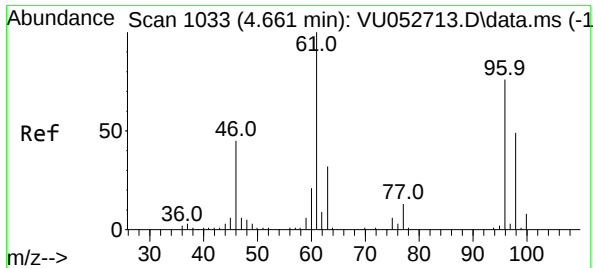
Tgt Ion: 43 Resp: 157308

Ion Ratio Lower Upper

43 100

72 29.0 12.9 38.6

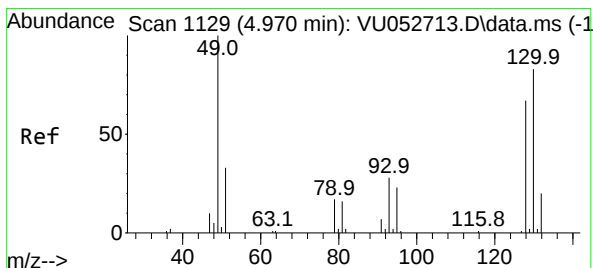
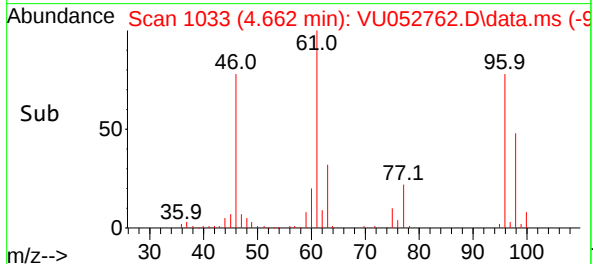
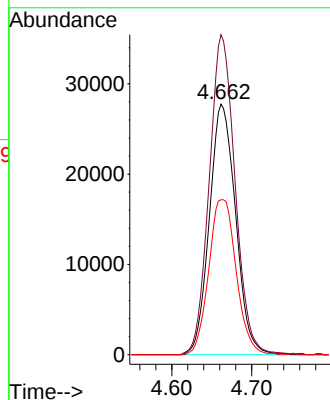
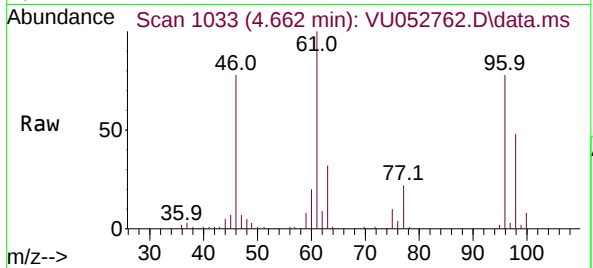




#22
 cis-1,2-Dichloroethene
 Concen: 4.783 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU052762.D
 Acq: 20 Jan 2023 15:24

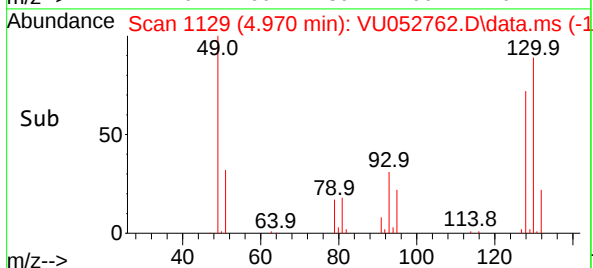
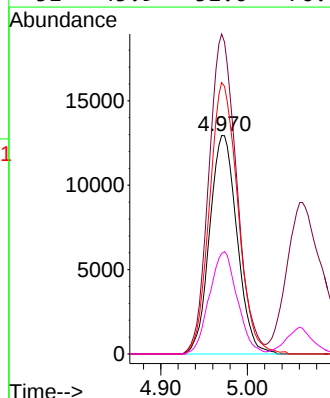
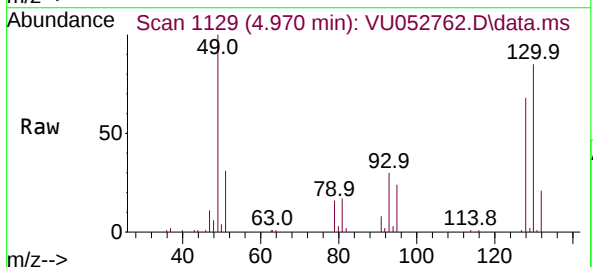
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005130

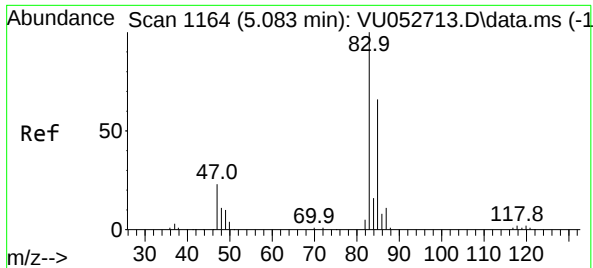
Tgt Ion: 96 Resp: 63310
 Ion Ratio Lower Upper
 96 100
 61 127.7 94.6 175.8
 98 61.8 43.3 80.3



#23
 Bromochloromethane
 Concen: 5.082 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VU052762.D
 Acq: 20 Jan 2023 15:24

Tgt Ion:128 Resp: 28477
 Ion Ratio Lower Upper
 128 100
 49 146.5 142.8 265.2
 130 124.2 91.3 169.5
 51 45.9 51.0 76.4#

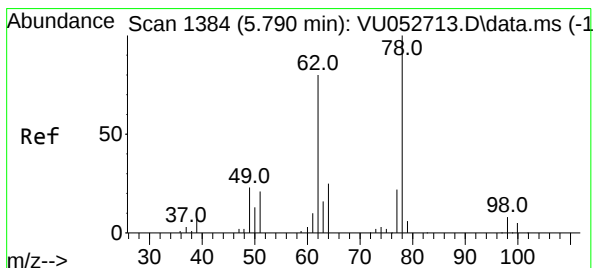
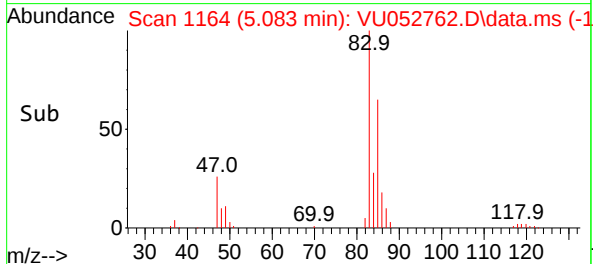
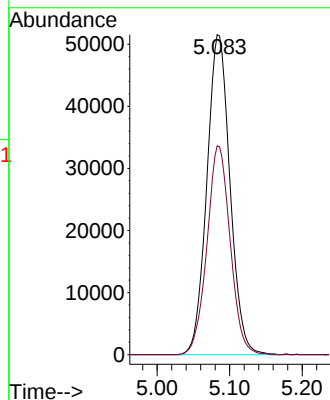
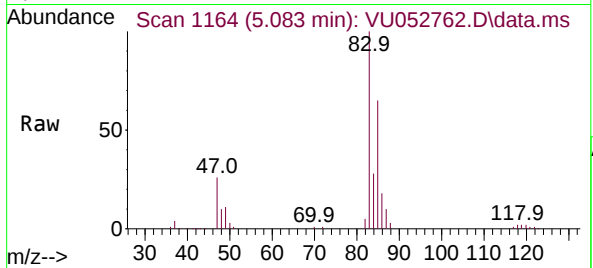




#25
Chloroform
Concen: 4.540 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

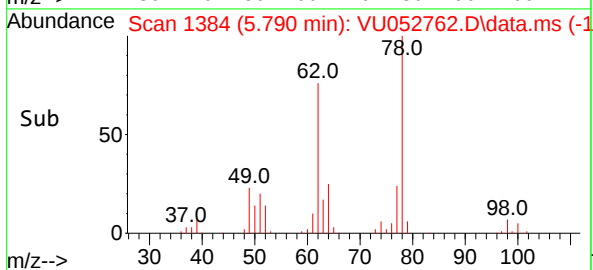
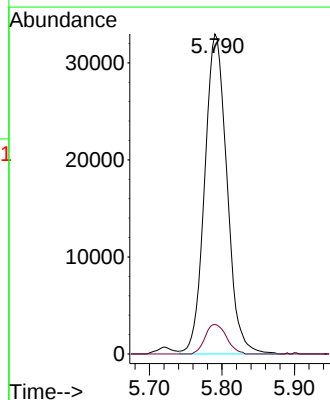
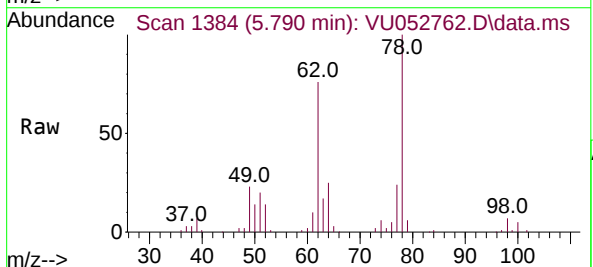
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

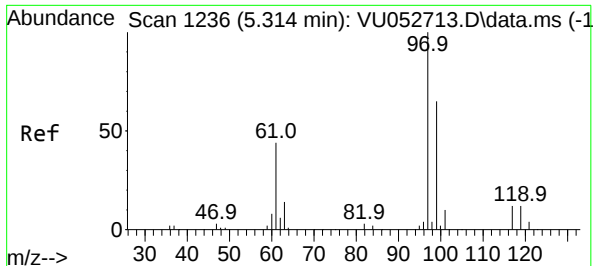
Tgt Ion: 83 Resp: 114243
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.617 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion: 62 Resp: 70406
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 4.755 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005130

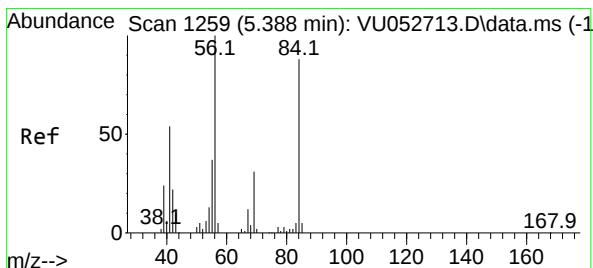
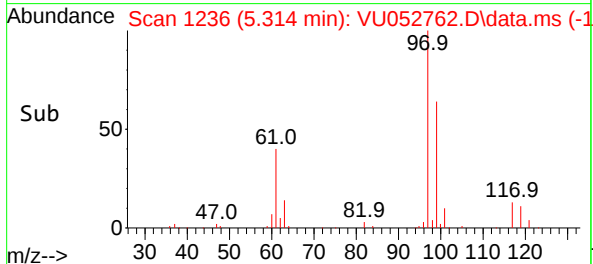
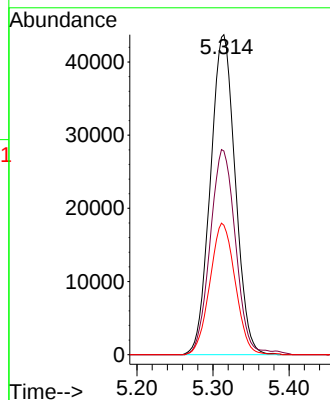
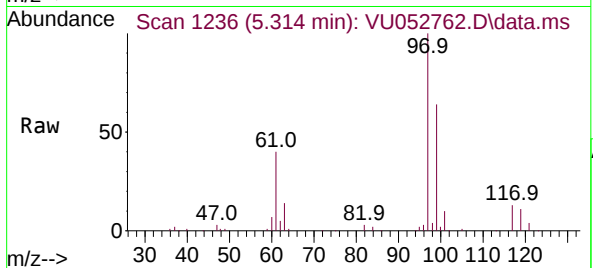
Tgt Ion: 97 Resp: 99210

Ion Ratio Lower Upper

97 100

99 65.6 52.4 78.6

61 41.9 38.5 57.7



#30

Cyclohexane

Concen: 4.478 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

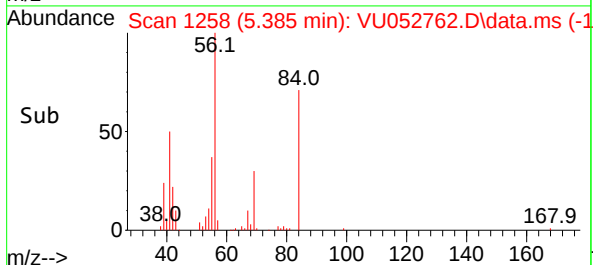
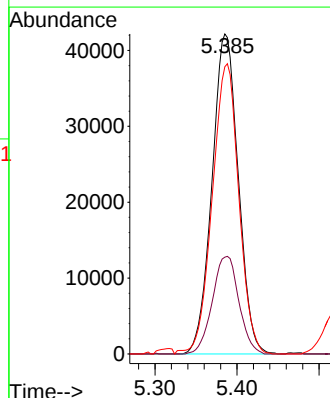
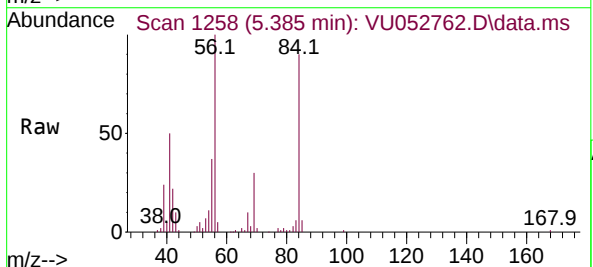
Tgt Ion: 56 Resp: 94001

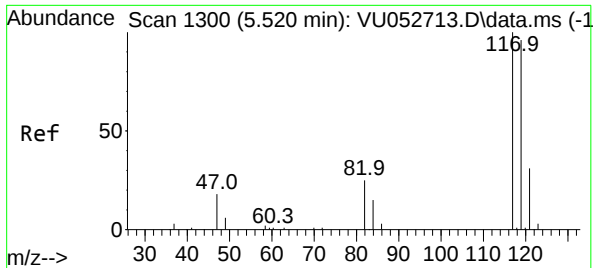
Ion Ratio Lower Upper

56 100

69 30.8 23.8 35.8

84 91.5 66.2 99.4

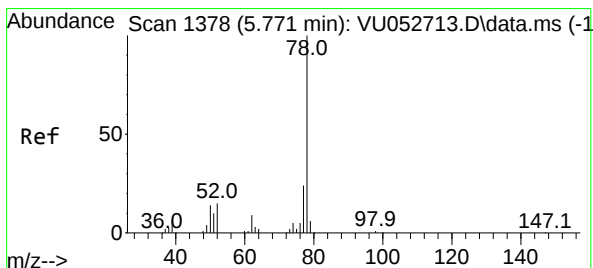
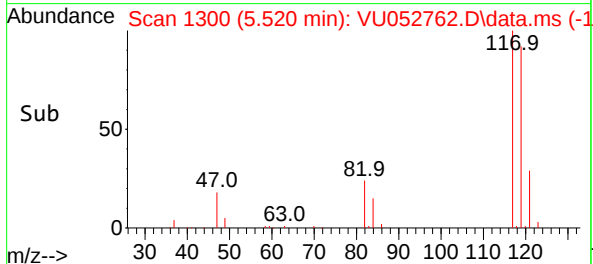
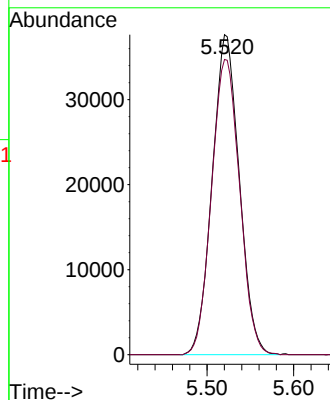
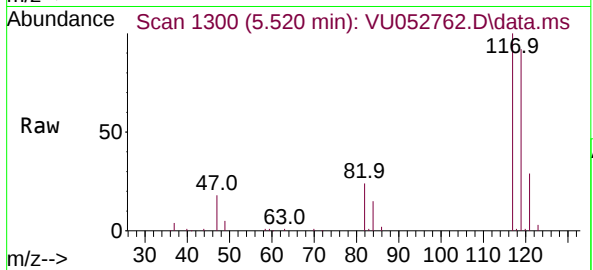




#31
Carbon tetrachloride
Concen: 5.000 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

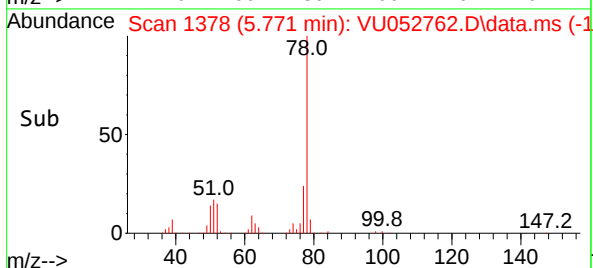
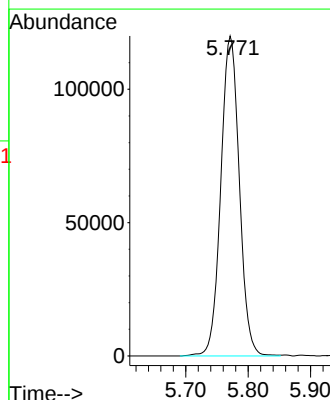
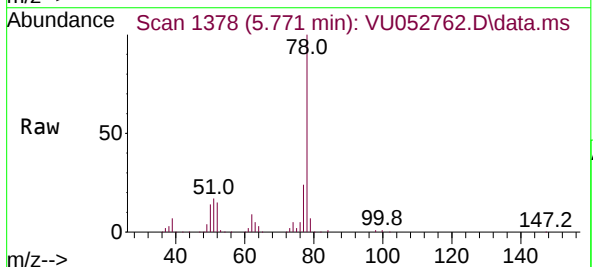
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

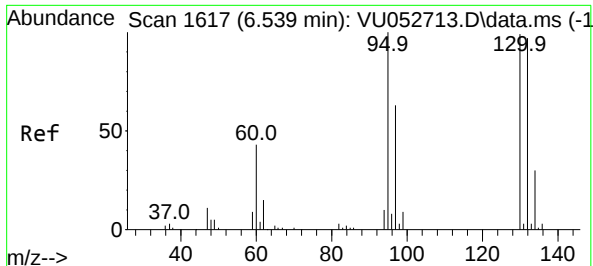
Tgt Ion:117 Resp: 81743
Ion Ratio Lower Upper
117 100
119 95.7 77.8 116.8



#33
Benzene
Concen: 4.695 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion: 78 Resp: 247136



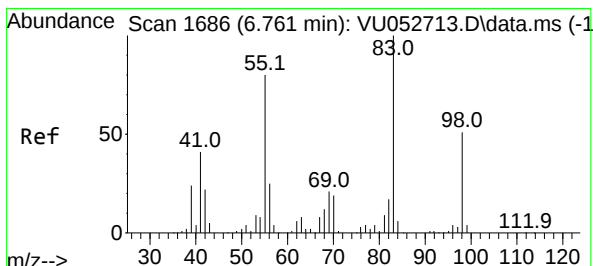
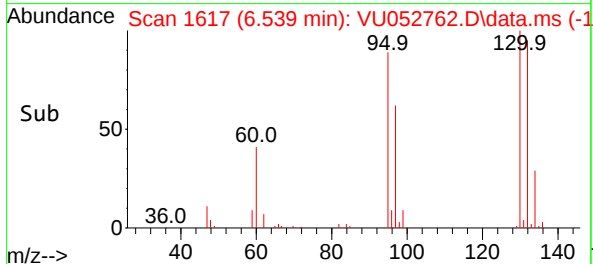
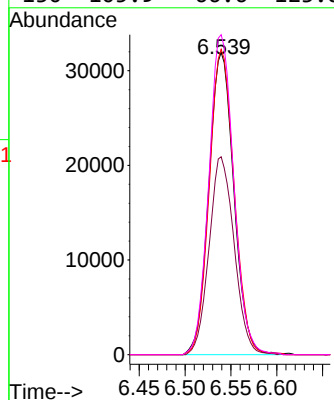
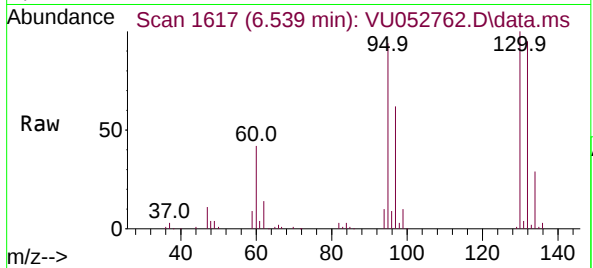


#34
Trichloroethene
Concen: 4.868 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

Tgt Ion: 95 Resp: 60614

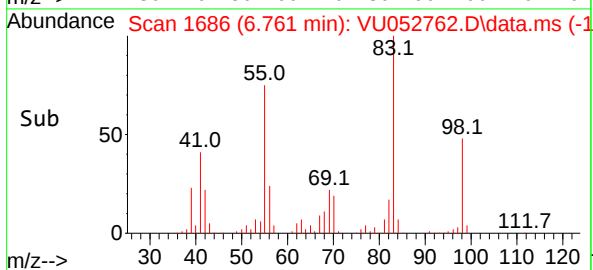
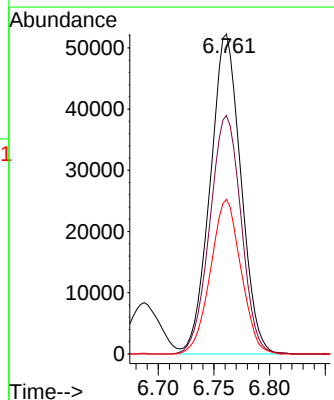
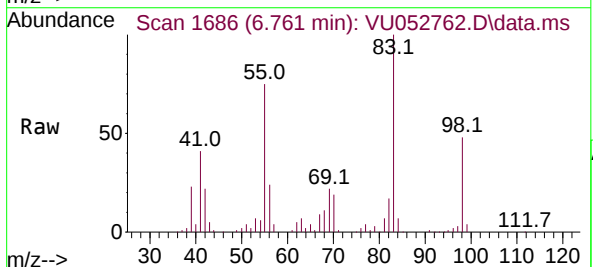
Ion	Ratio	Lower	Upper
95	100		
97	65.5	46.0	85.4
132	101.1	64.0	118.8
130	105.9	66.6	123.8

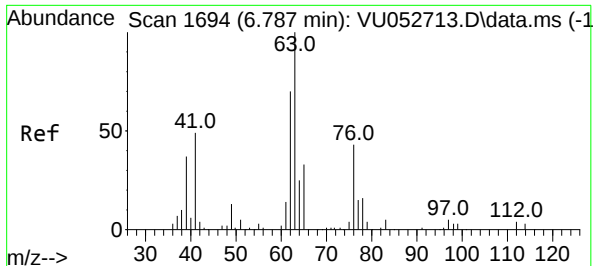


#35
Methylcyclohexane
Concen: 4.864 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion: 83 Resp: 100008

Ion	Ratio	Lower	Upper
83	100		
55	76.3	67.6	101.4
98	48.0	37.1	55.7





#37

1,2-Dichloropropane

Concen: 4.375 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

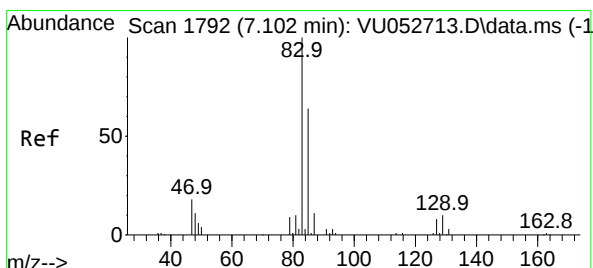
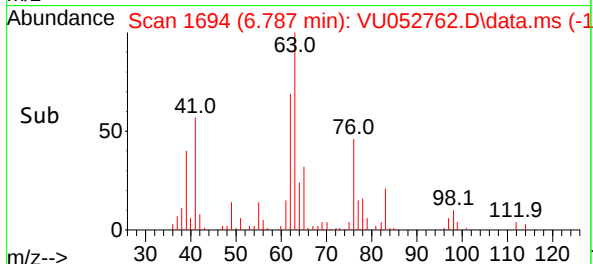
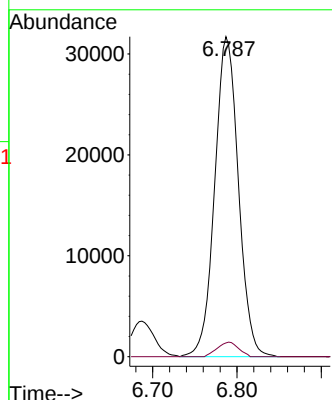
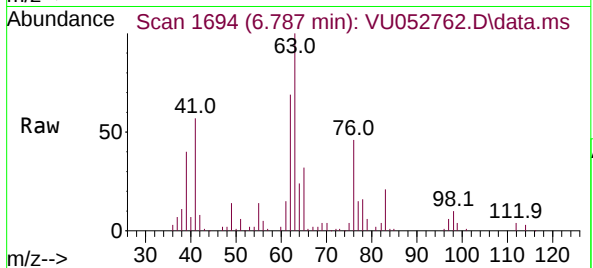
VSTD005130

Tgt Ion: 63 Resp: 61805

Ion Ratio Lower Upper

63 100

112 4.1 2.9 4.3



#38

Bromodichloromethane

Concen: 4.829 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

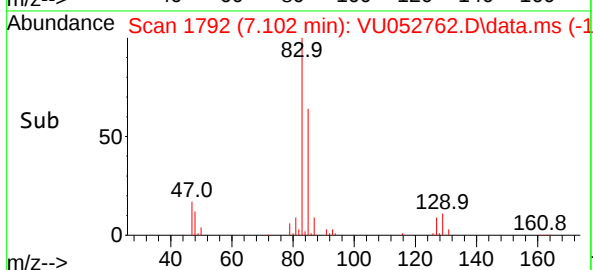
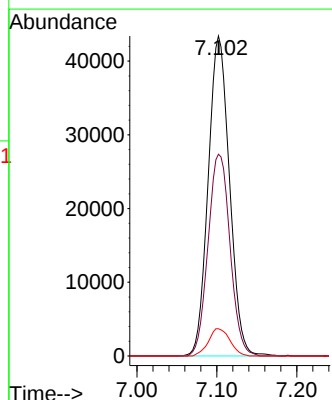
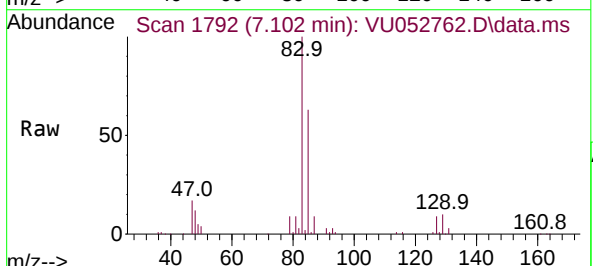
Tgt Ion: 83 Resp: 80317

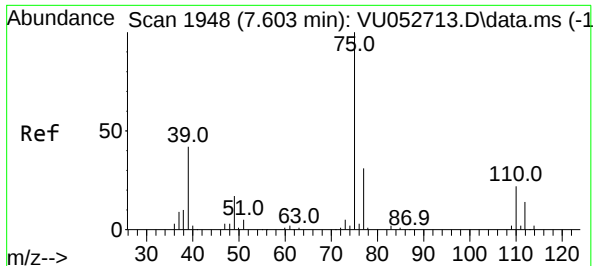
Ion Ratio Lower Upper

83 100

85 63.1 47.0 87.4

127 8.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.906 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

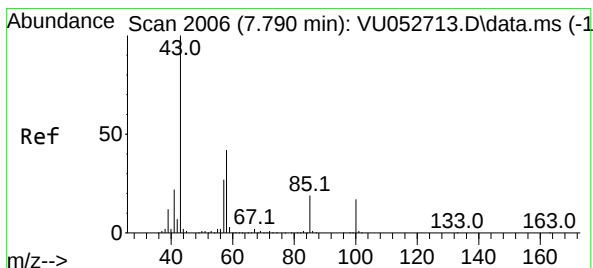
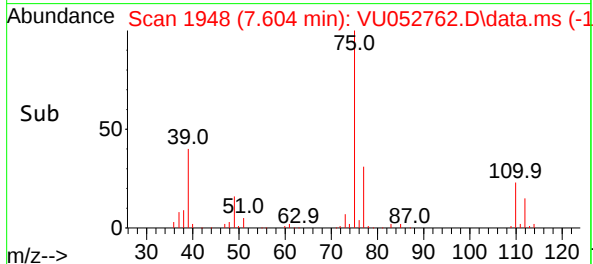
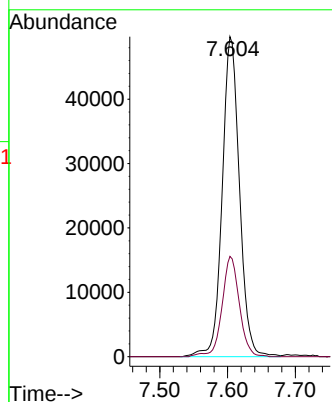
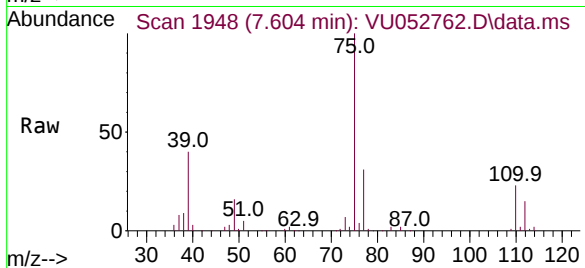
VSTD005130

Tgt Ion: 75 Resp: 87975

Ion Ratio Lower Upper

75 100

77 31.4 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 43.778 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

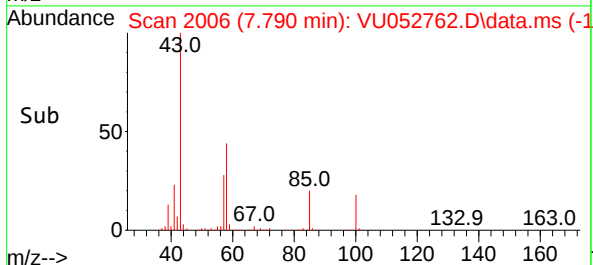
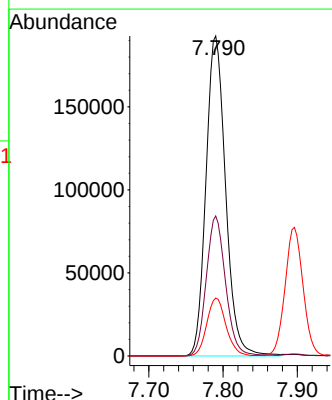
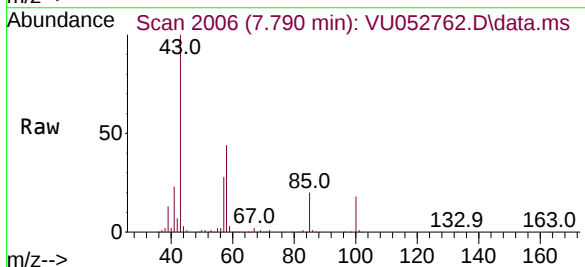
Tgt Ion: 43 Resp: 353673

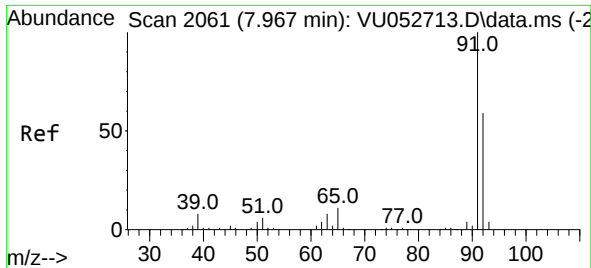
Ion Ratio Lower Upper

43 100

58 43.1 32.0 48.0

100 17.7 11.3 16.9#





#42

Toluene

Concen: 4.935 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

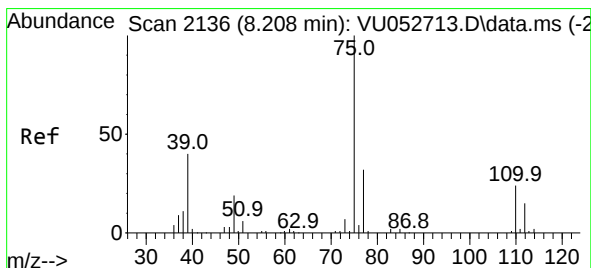
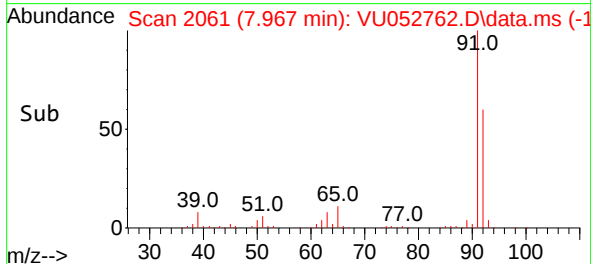
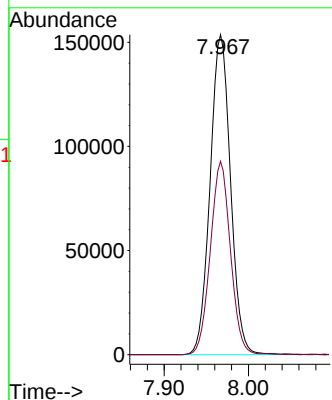
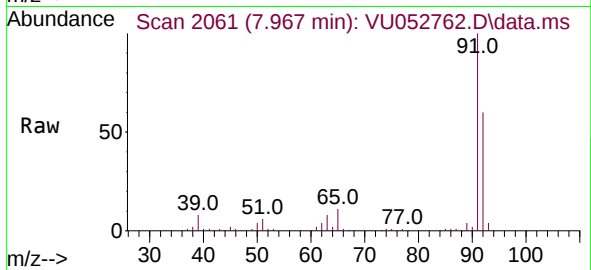
VSTD005130

Tgt Ion: 91 Resp: 258749

Ion Ratio Lower Upper

91 100

92 60.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.773 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052762.D

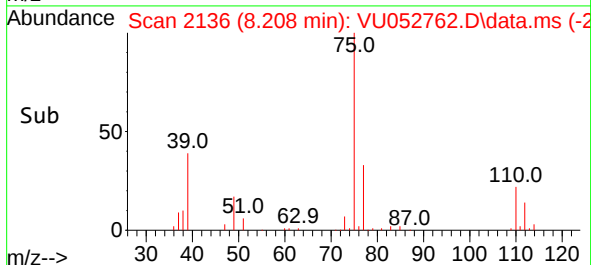
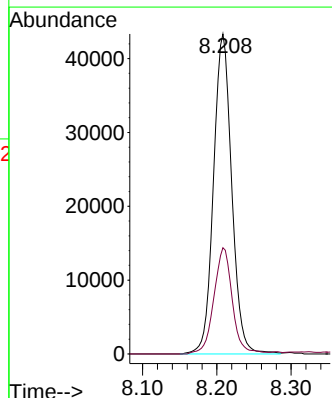
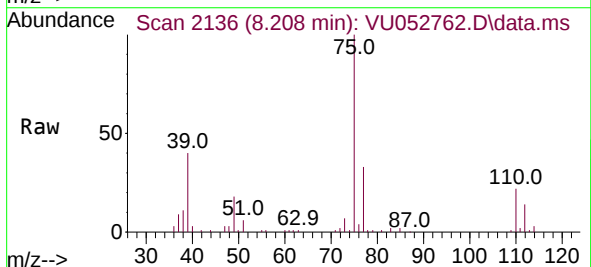
Acq: 20 Jan 2023 15:24

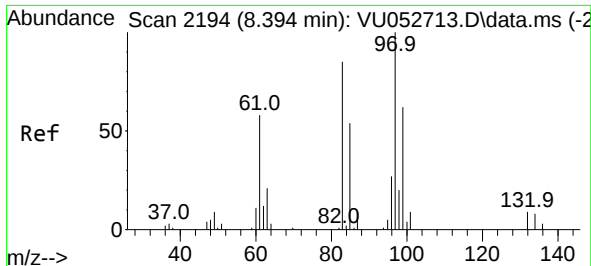
Tgt Ion: 75 Resp: 73884

Ion Ratio Lower Upper

75 100

77 33.2 22.3 41.5

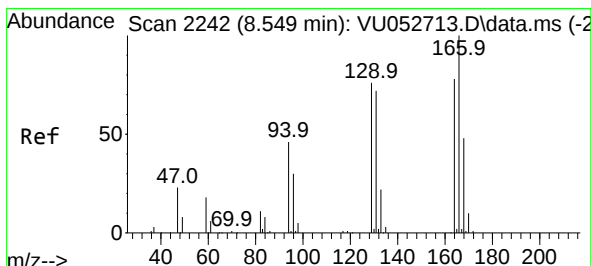
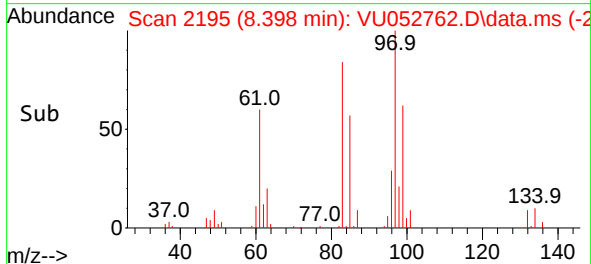
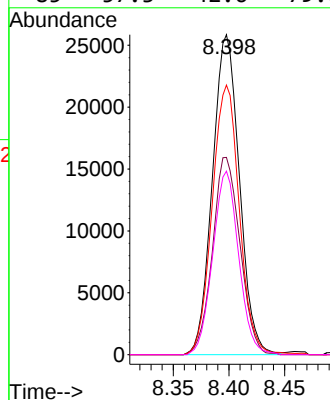
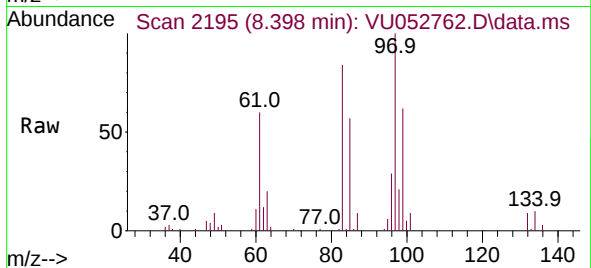




#45
1,1,2-Trichloroethane
Concen: 4.901 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

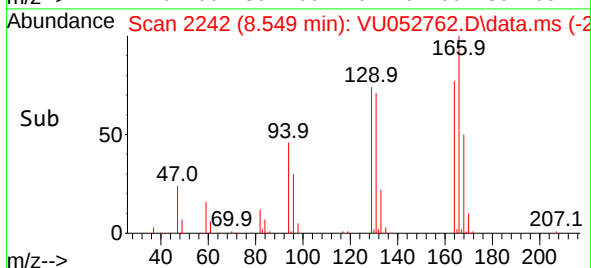
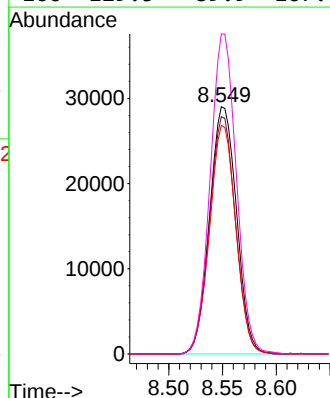
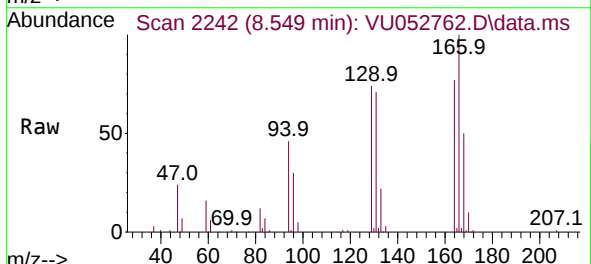
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

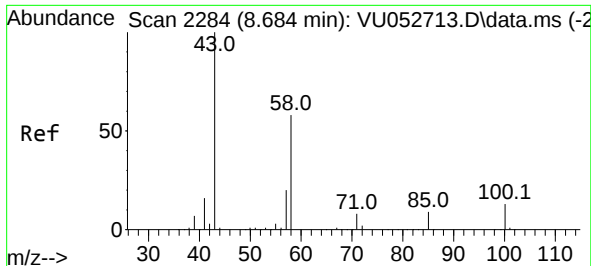
Tgt Ion: 97	Resp: 43546
Ion Ratio	Lower Upper
97 100	
99 61.7	44.8 83.2
83 84.3	65.3 121.3
85 57.3	42.6 79.0



#47
Tetrachloroethene
Concen: 5.511 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt	Ion:164	Resp:	50554
Ion	Ratio	Lower	Upper
164	100		
129	96.0	71.8	133.4
131	92.5	66.6	123.6
166	129.5	89.9	167.0

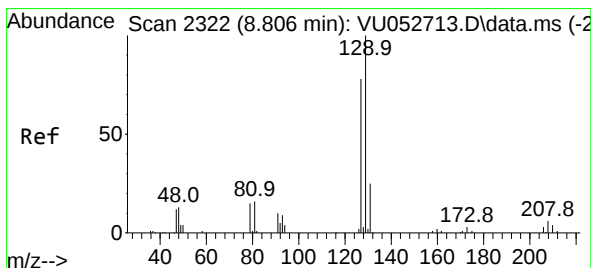
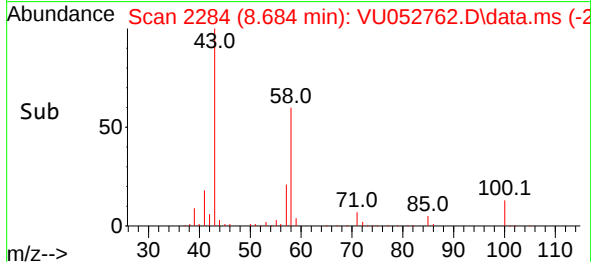
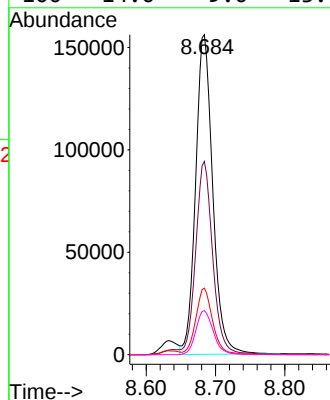
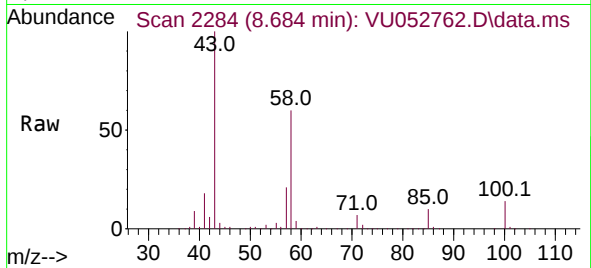




#48
2-Hexanone
Concen: 45.416 ug/L
RT: 8.684 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

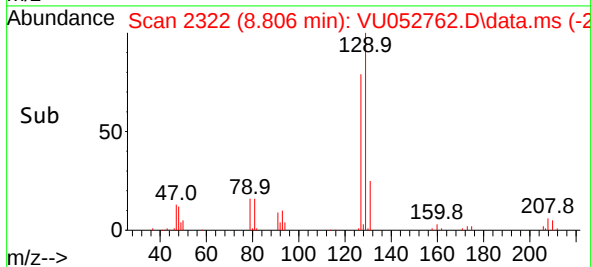
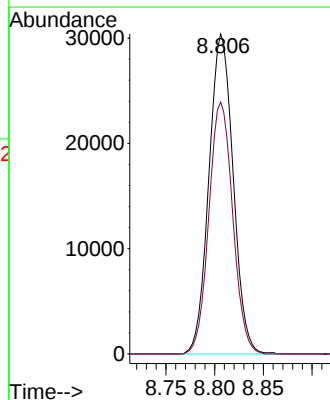
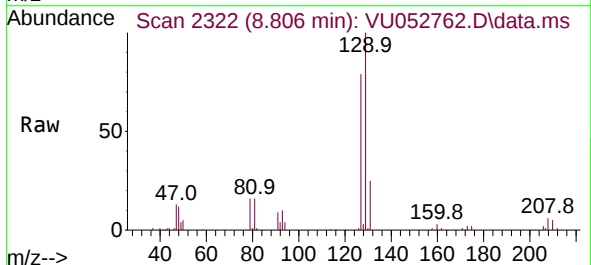
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

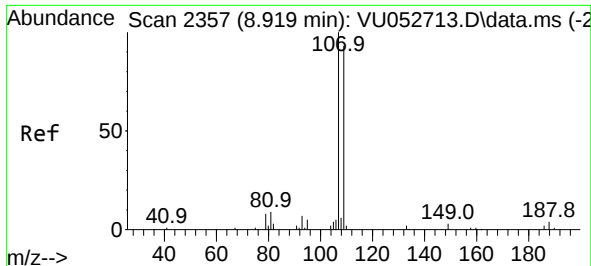
Tgt Ion:	43	Resp:	268647
Ion	Ratio	Lower	Upper
43	100		
58	60.3	45.1	67.7
57	20.2	15.1	22.7
100	14.0	9.0	13.4



#49
Dibromochloromethane
Concen: 5.109 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion:	129	Resp:	52482
Ion	Ratio	Lower	Upper
129	100		
127	78.7	53.5	99.5





#50

1,2-Dibromoethane

Concen: 4.992 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005130

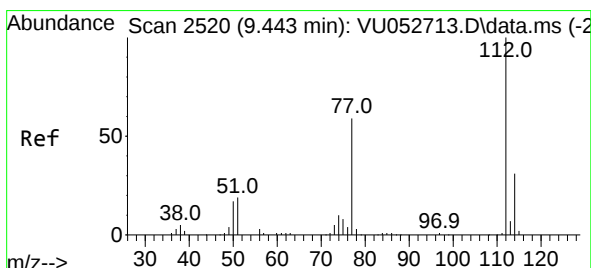
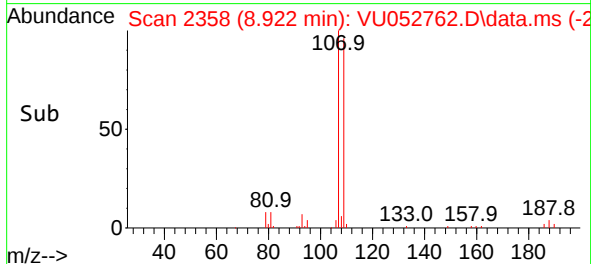
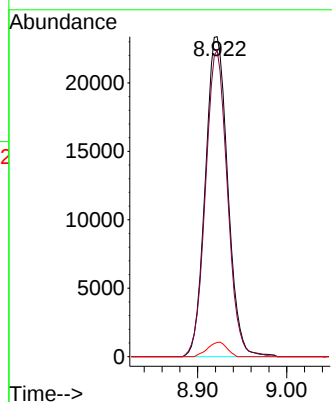
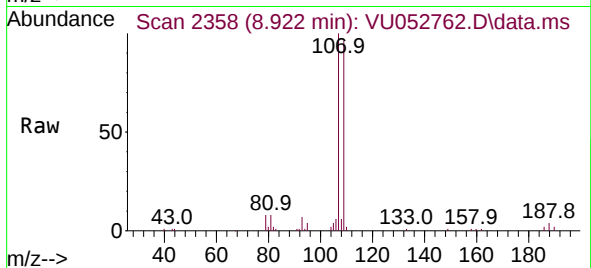
Tgt Ion:107 Resp: 40777

Ion Ratio Lower Upper

107 100

109 95.8 65.3 121.3

188 4.5 2.4 3.6#



#51

Chlorobenzene

Concen: 5.075 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

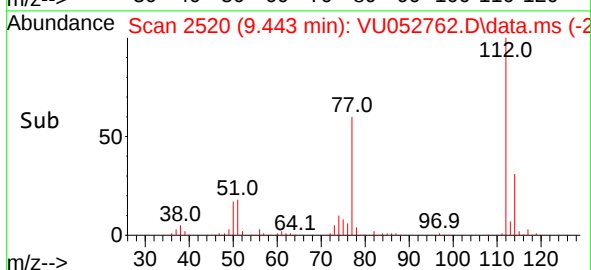
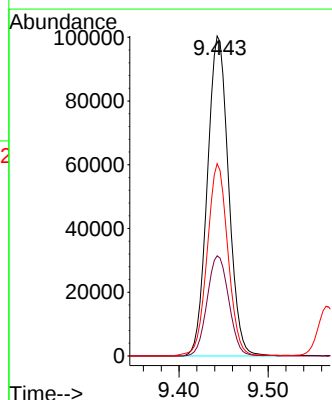
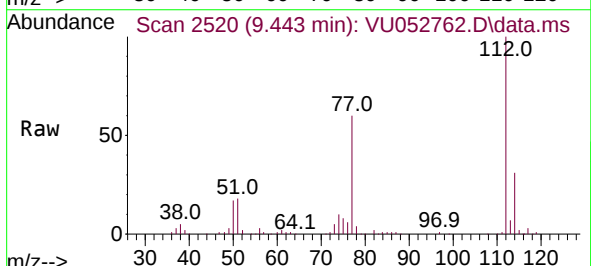
Tgt Ion:112 Resp: 165769

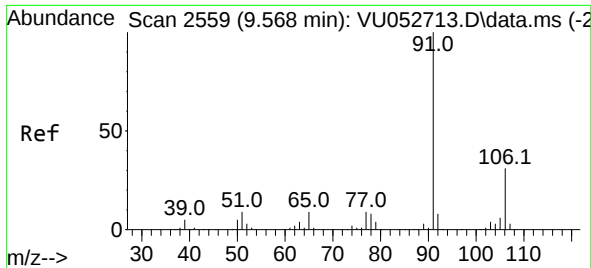
Ion Ratio Lower Upper

112 100

114 31.3 22.8 42.4

77 60.1 50.2 75.4

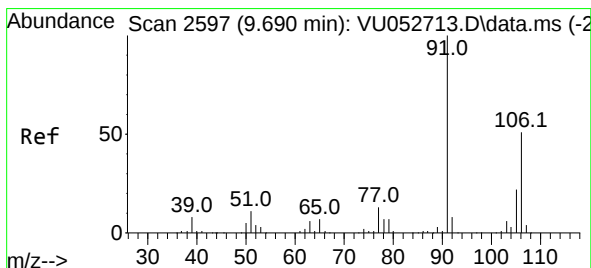
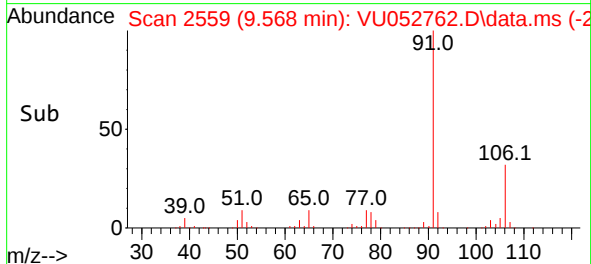
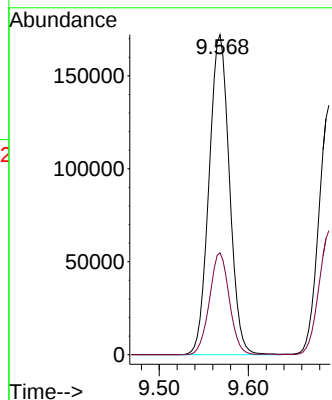
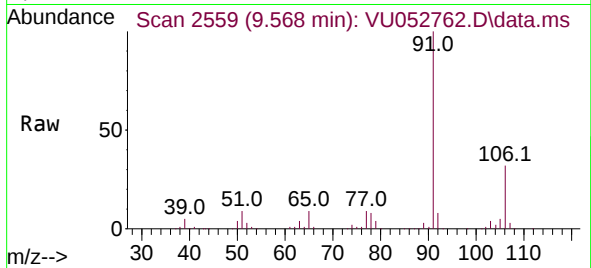




#52
Ethylbenzene
Concen: 5.111 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

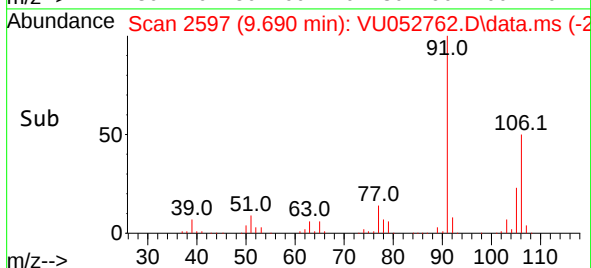
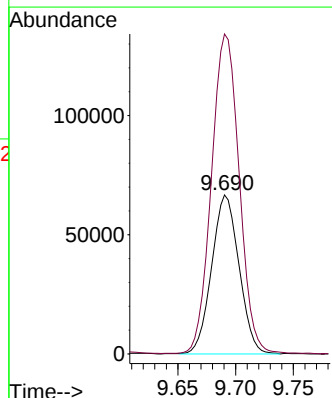
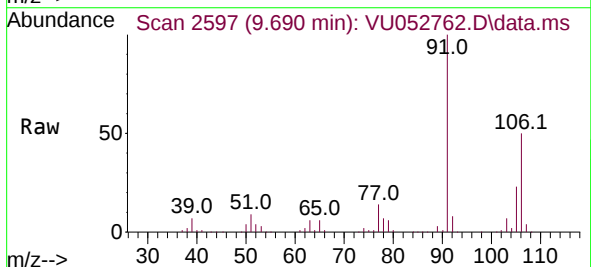
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

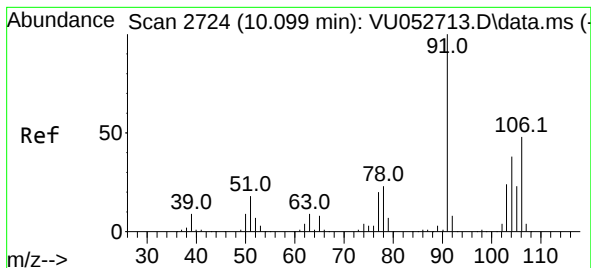
Tgt Ion: 91 Resp: 272984
Ion Ratio Lower Upper
91 100
106 31.9 21.1 39.3



#53
m,p-Xylene
Concen: 5.430 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion: 106 Resp: 109854
Ion Ratio Lower Upper
106 100
91 201.3 144.3 267.9





#54

o-Xylene

Concen: 5.429 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

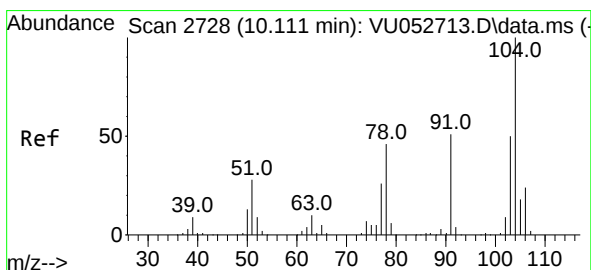
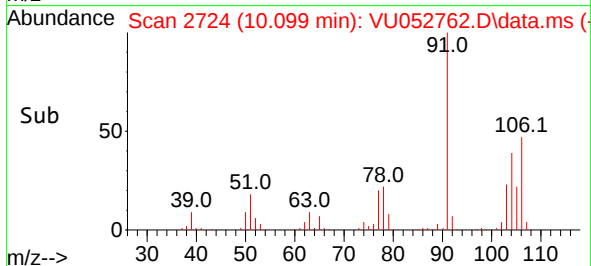
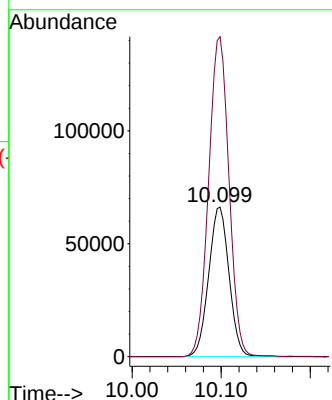
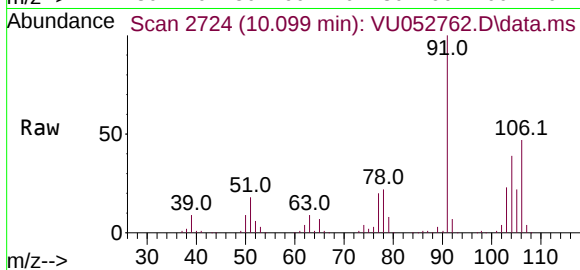
VSTD005130

Tgt Ion:106 Resp: 105019

Ion Ratio Lower Upper

106 100

91 213.8 148.7 276.1



#55

Styrene

Concen: 5.403 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052762.D

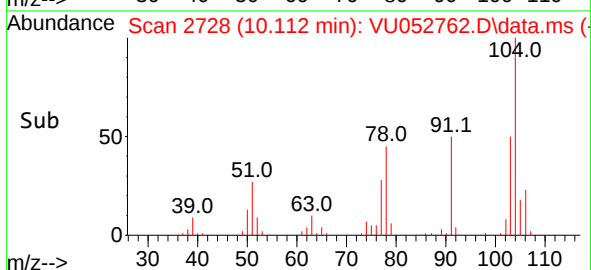
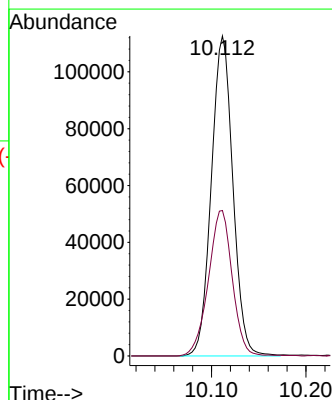
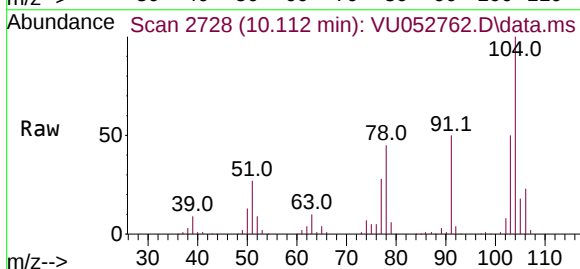
Acq: 20 Jan 2023 15:24

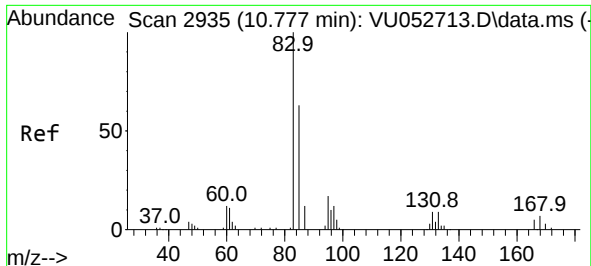
Tgt Ion:104 Resp: 178289

Ion Ratio Lower Upper

104 100

78 45.4 32.8 60.8

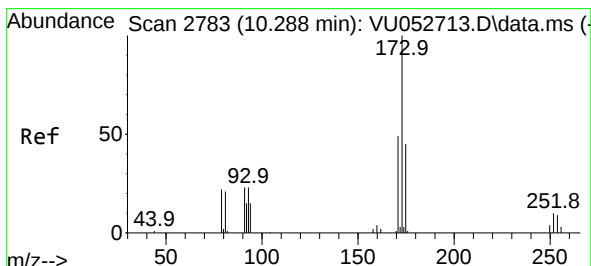
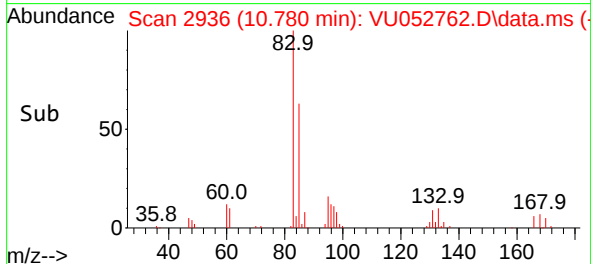
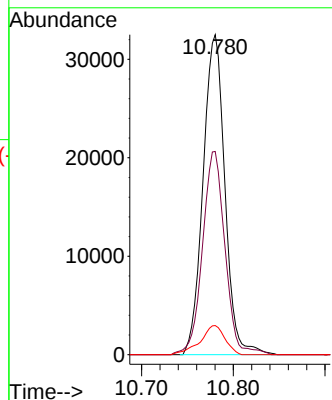
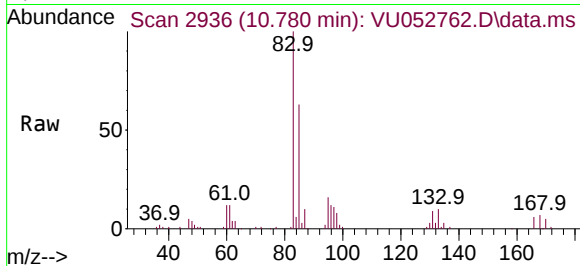




#57
1,1,2,2-Tetrachloroethane
Concen: 4.641 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

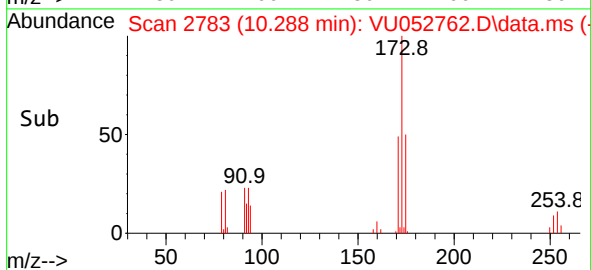
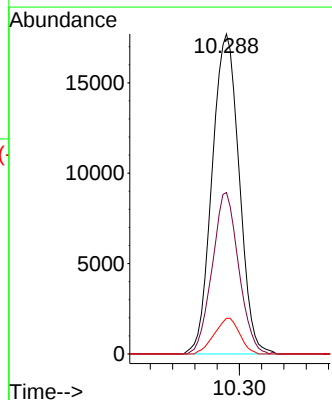
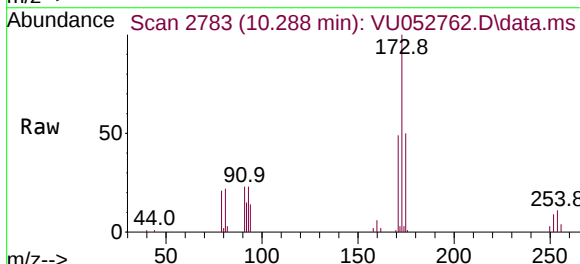
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

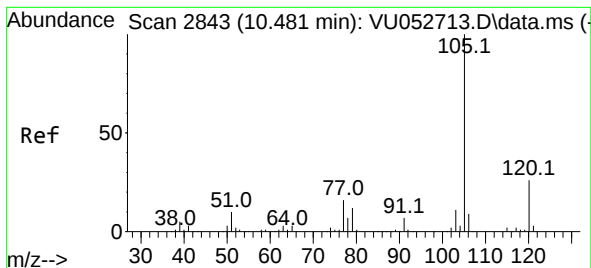
Tgt Ion: 83 Resp: 53867
Ion Ratio Lower Upper
83 100
85 63.5 43.7 81.1
131 9.1 7.0 10.6



#59
Bromoform
Concen: 5.185 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion:173 Resp: 29821
Ion Ratio Lower Upper
173 100
175 49.4 38.2 57.4
254 10.5 7.3 10.9





#60

Isopropylbenzene

Concen: 5.300 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005130

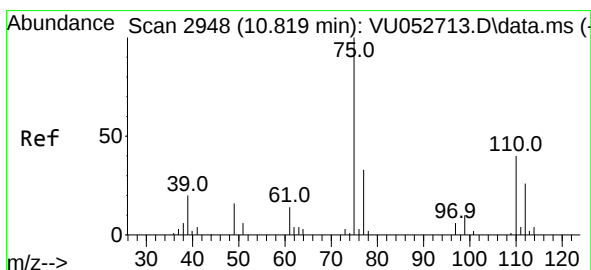
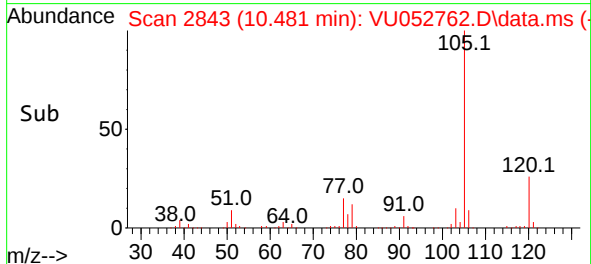
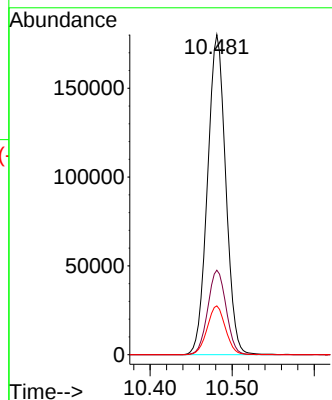
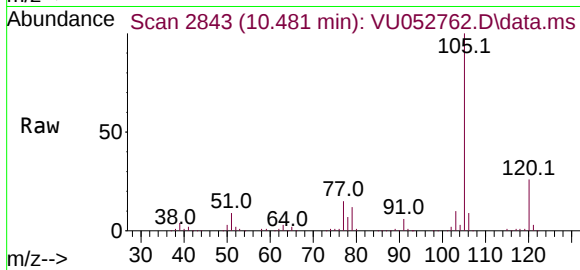
Tgt Ion:105 Resp: 277829

Ion Ratio Lower Upper

105 100

120 26.5 20.4 30.6

77 15.3 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.415 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

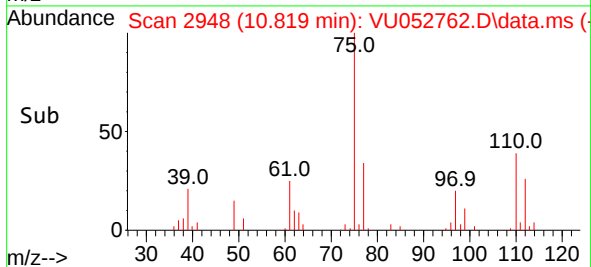
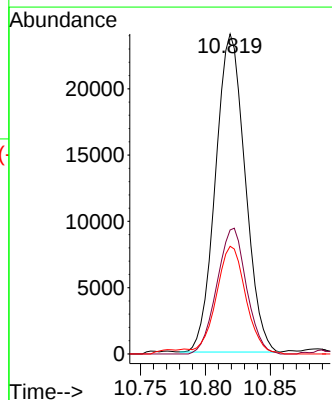
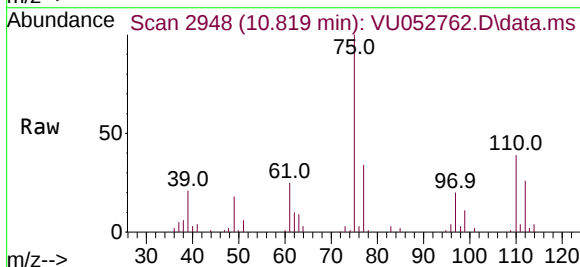
Tgt Ion: 75 Resp: 37946

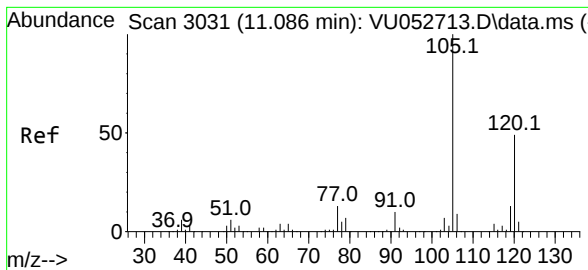
Ion Ratio Lower Upper

75 100

110 39.5 27.2 40.8

77 34.4 24.0 36.0

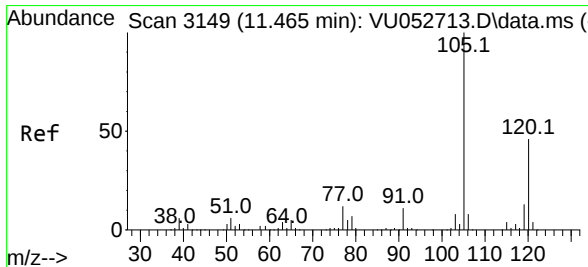
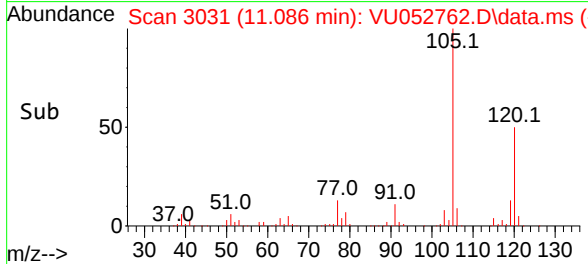
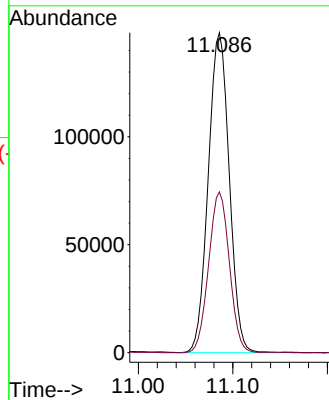
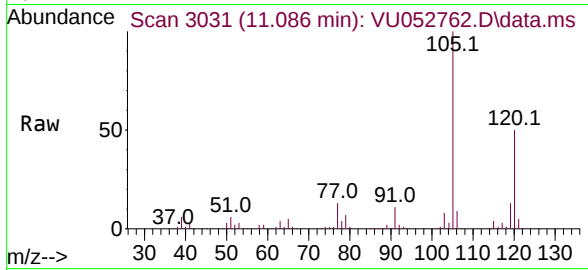




#62
 1,3,5-Trimethylbenzene
 Concen: 5.469 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU052762.D
 Acq: 20 Jan 2023 15:24

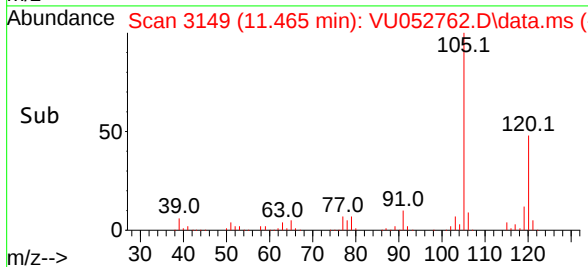
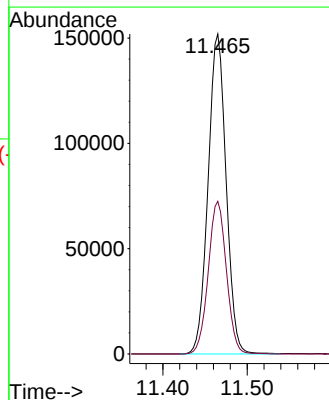
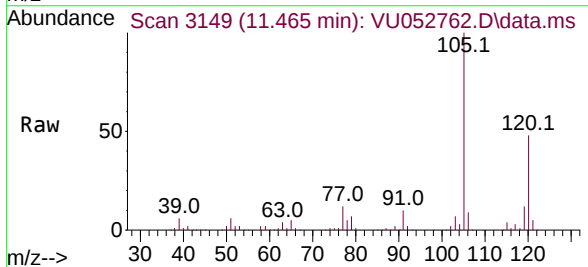
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005130

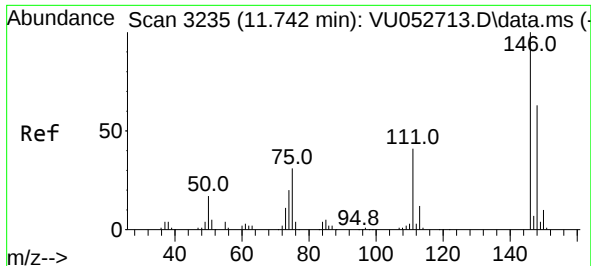
Tgt Ion:105 Resp: 228673
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 5.370 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU052762.D
 Acq: 20 Jan 2023 15:24

Tgt Ion:105 Resp: 226207
 Ion Ratio Lower Upper
 105 100
 120 48.1 35.9 53.9

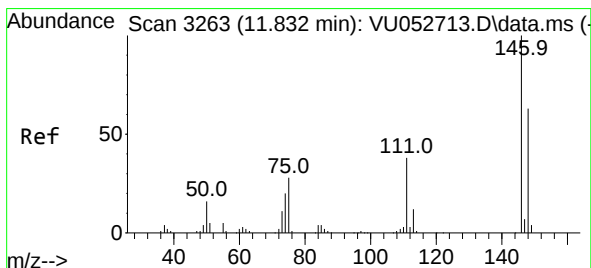
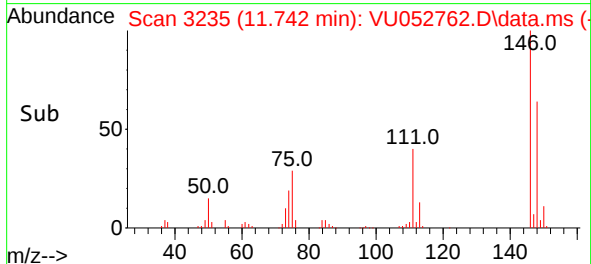
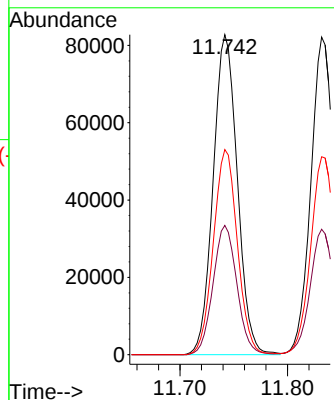
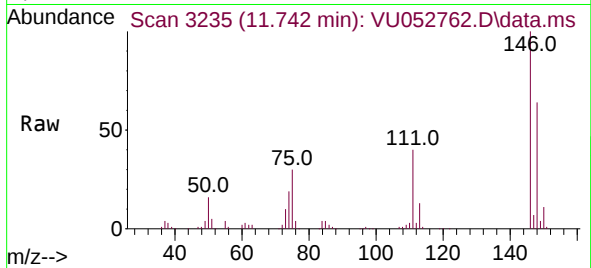




#64
1,3-Dichlorobenzene
Concen: 5.182 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

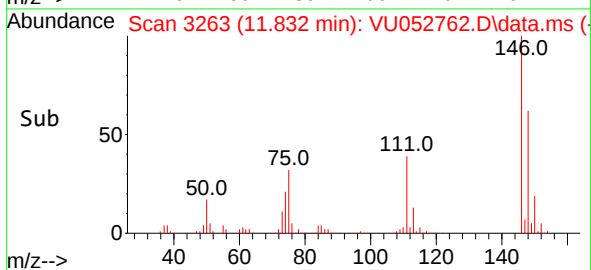
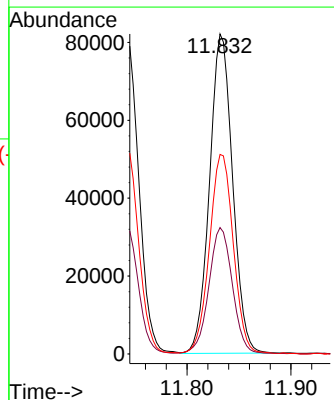
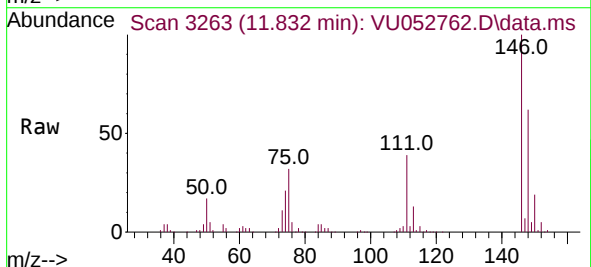
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

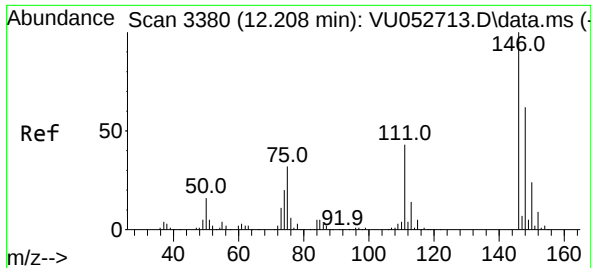
Tgt Ion:146 Resp: 129220
Ion Ratio Lower Upper
146 100
111 40.4 29.4 54.6
148 64.1 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.960 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion:146 Resp: 126186
Ion Ratio Lower Upper
146 100
111 39.5 28.1 52.3
148 62.3 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.108 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005130

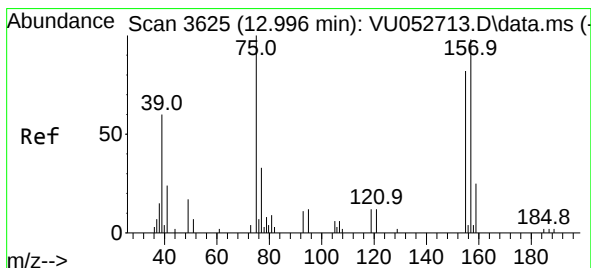
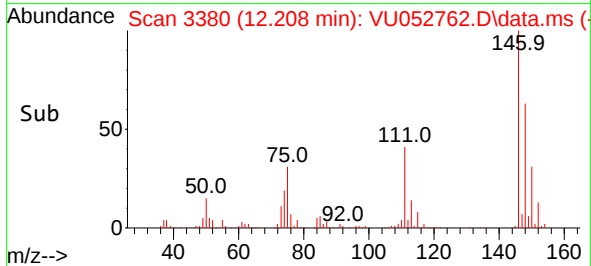
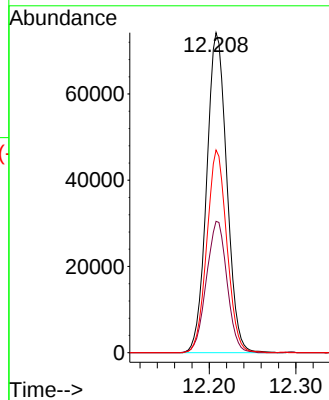
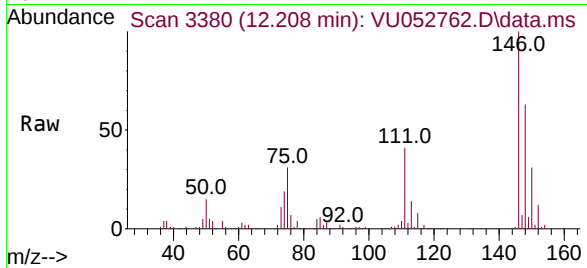
Tgt Ion:146 Resp: 119869

Ion Ratio Lower Upper

146 100

111 41.1 33.8 50.6

148 63.4 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.257 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

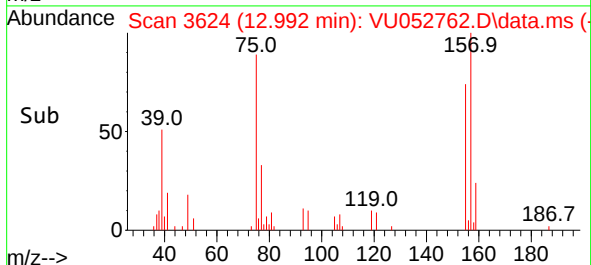
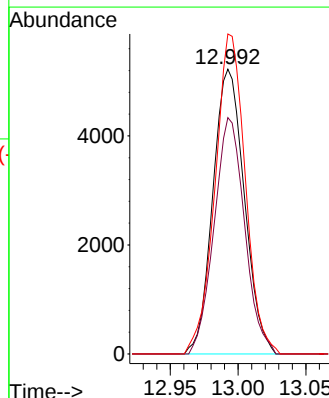
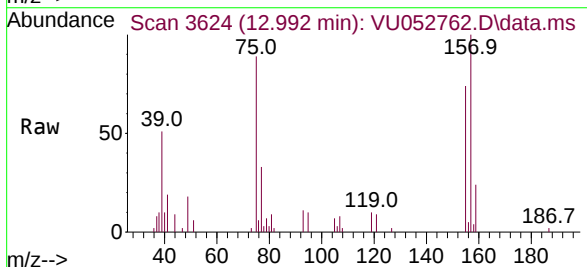
Tgt Ion: 75 Resp: 8439

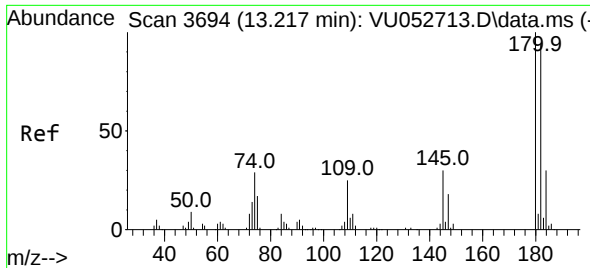
Ion Ratio Lower Upper

75 100

155 83.0 48.0 72.0#

157 112.4 69.3 103.9#

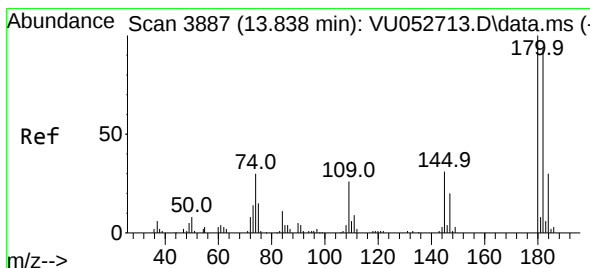
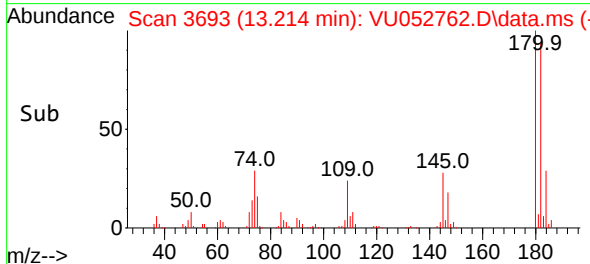
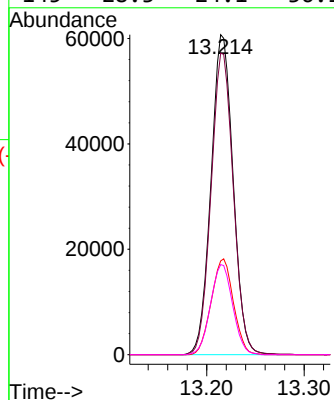
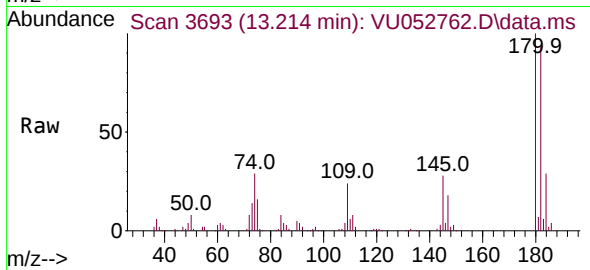




#69
1,3,5-Trichlorobenzene
Concen: 5.154 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.003 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

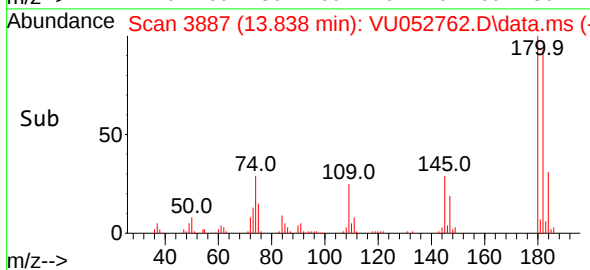
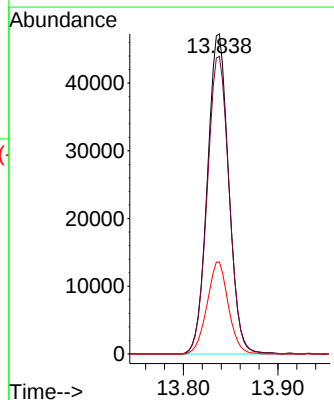
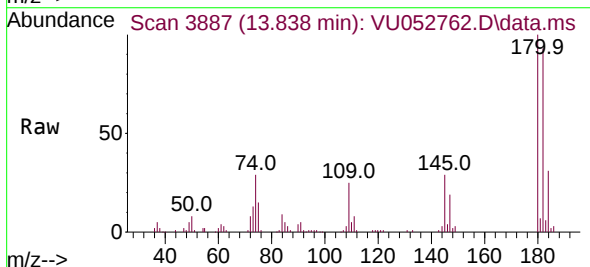
Instrument :
MSVOA_U
ClientSampleId :
VSTD005130

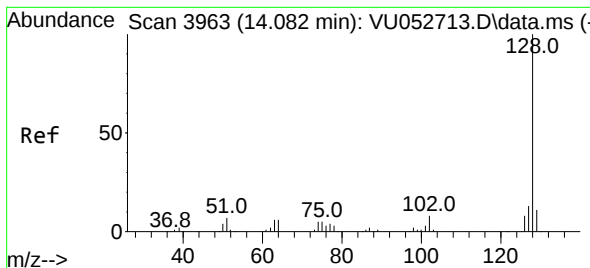
Tgt Ion:	180	Resp:	95464
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.1	112.7
184	30.2	23.6	35.4
145	28.3	24.1	36.1



#70
1,2,4-trichlorobenzene
Concen: 4.978 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU052762.D
Acq: 20 Jan 2023 15:24

Tgt Ion:	180	Resp:	73957
Ion Ratio	Lower	Upper	
180	100		
182	95.4	77.5	116.3
145	28.7	25.3	37.9





#71

Naphthalene

Concen: 4.635 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005130

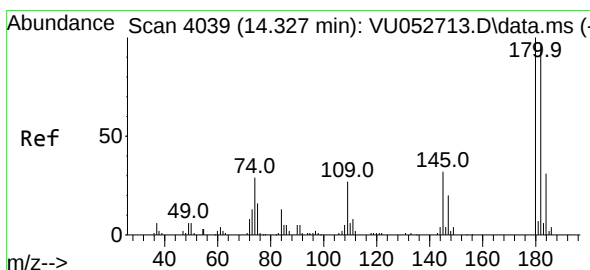
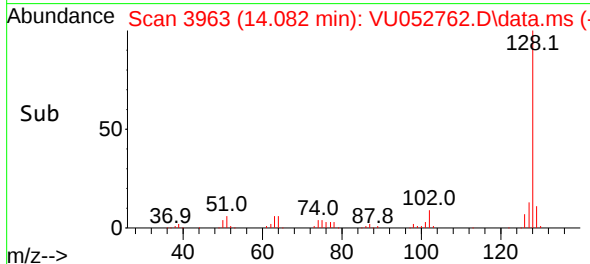
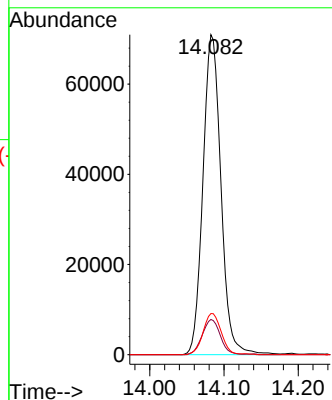
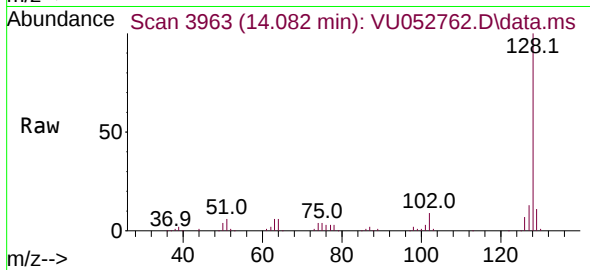
Tgt Ion:128 Resp: 119541

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

127 13.1 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.025 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU052762.D

Acq: 20 Jan 2023 15:24

Tgt Ion:180 Resp: 68395

Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.6

145 30.9 26.5 39.7

