

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU052996.D
 Acq On : 08 Feb 2023 12:25
 Operator : JC/MD
 Sample : VSTD01075
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010074

Quant Time: Feb 09 00:35:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 00:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	309052	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	289328	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	158381	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	27467	11.652	ug/L	0.00
7) Chloroethane-d5	1.913	69	22065	11.462	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.569	63	41832	9.473	ug/L	0.00
21) 2-Butanone-d5	4.637	46	21127	16.022	ug/L	0.00
24) Chloroform-d	5.061	84	46130	9.691	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	27176	9.096	ug/L	0.00
32) Benzene-d6	5.723	84	92210	10.256	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.688	67	28479	10.709	ug/L	0.00
41) Toluene-d8	7.894	98	90316	10.871	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	15400	11.276	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	17008	18.932	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	39719	10.206	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	34324	10.839	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	24461	8.662	ug/L	99
3) Chloromethane	1.518	50	22549	9.524	ug/L	95
5) Vinyl chloride	1.605	62	27638	10.354	ug/L	99
6) Bromomethane	1.859	94	18629	10.870	ug/L	98
8) Chloroethane	1.936	64	16902	10.113	ug/L	98
9) Trichlorofluoromethane	2.138	101	41656	9.452	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.582	101	21487	8.833	ug/L	96
12) 1,1-Dichloroethene	2.579	96	20084	8.943	ug/L	91
13) Acetone	2.643	43	22081	14.216	ug/L	99
14) Carbon disulfide	2.794	76	60185	8.890	ug/L	97
15) Methyl Acetate	2.952	43	15241	7.286	ug/L	93
16) Methylene chloride	3.045	84	25761	9.699	ug/L	93
17) trans-1,2-Dichloroethene	3.351	96	20800	8.616	ug/L	92
18) Methyl tert-butyl Ether	3.360	73	66784	9.348	ug/L	99
19) 1,1-Dichloroethane	3.868	63	36787	8.729	ug/L #	95
20) cis-1,2-Dichloroethene	4.662	96	24023	9.231	ug/L #	97
22) 2-Butanone	4.714	43	24978	15.010	ug/L	95
23) Bromochloromethane	4.974	128	13092	9.044	ug/L	94
25) Chloroform	5.084	83	40237	8.491	ug/L	96
27) 1,2-Dichloroethane	5.791	62	29696	8.077	ug/L #	88
29) Cyclohexane	5.386	56	34951	10.304	ug/L	98
30) 1,1,1-Trichloroethane	5.315	97	37800	9.071	ug/L	99
31) Carbon tetrachloride	5.521	117	32570	9.011	ug/L	99
33) Benzene	5.772	78	91208	9.428	ug/L	100
34) Trichloroethene	6.540	95	24291	9.734	ug/L	97
35) Methylcyclohexane	6.759	83	40798	10.272	ug/L	96
37) 1,2-Dichloropropane	6.788	63	22644	9.486	ug/L #	97
38) Bromodichloromethane	7.103	83	32818	9.325	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	38761	10.189	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	43748	16.237	ug/L	92
42) Toluene	7.965	91	100068	9.960	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	36888	9.899	ug/L	96

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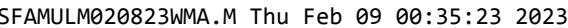
Instrument :
 MSVOA_U
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 VSTD010074

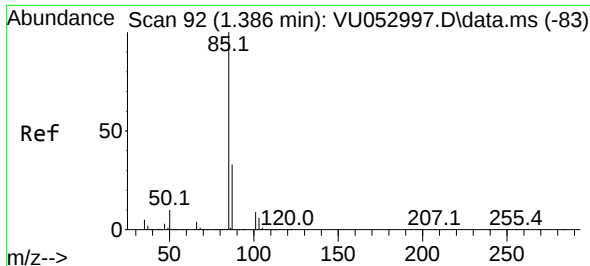
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	23723	9.696	ug/L	96
46) Tetrachloroethene	8.550	164	19246	9.103	ug/L	97
48) 2-Hexanone	8.682	43	35446	15.698	ug/L #	89
49) Dibromochloromethane	8.804	129	28528	9.695	ug/L	97
50) 1,2-Dibromoethane	8.919	107	24922	9.409	ug/L	98
51) Chlorobenzene	9.444	112	64200	9.322	ug/L	98
52) Ethylbenzene	9.566	91	110440	10.225	ug/L	98
53) m,p-Xylene	9.688	106	42980	9.885	ug/L	92
54) o-xylene	10.096	106	42068	10.126	ug/L	92
55) Styrene	10.109	104	71536	10.056	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	34655	8.817	ug/L	97
59) Bromoform	10.286	173	20587	9.539	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	27479	9.189	ug/L	98
61) Isopropylbenzene	10.479	105	112049	10.899	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	97724	11.323	ug/L	94
63) 1,2,4-Trimethylbenzene	11.463	105	94202	11.285	ug/L	96
64) 1,3-Dichlorobenzene	11.739	146	49109	9.528	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	48274	9.092	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	48475	9.373	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.990	75	8023	9.267	ug/L	98
69) 1,3,5-Trichlorobenzene	13.215	180	37217	9.615	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	32362	9.832	ug/L	97
71) Naphthalene	14.080	128	96641	10.272	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	30976	9.057	ug/L	97

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

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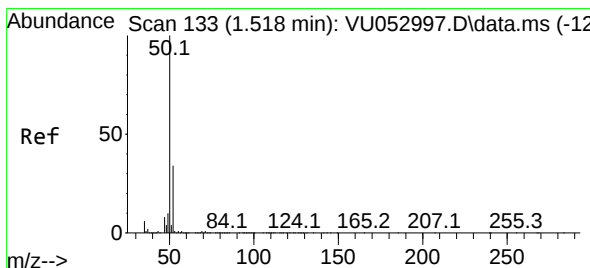
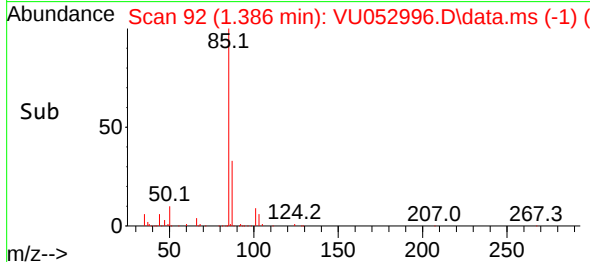
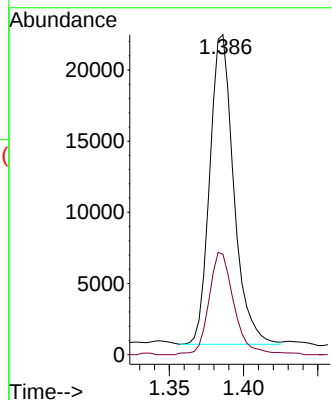
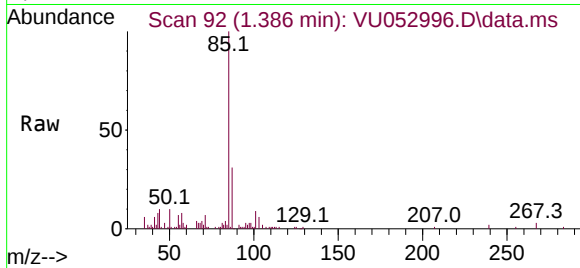




#2
 Dichlorodifluoromethane
 Concen: 8.662 ug/L
 RT: 1.386 min Scan# 92
 Delta R.T. 0.000 min
 Lab File: VU052996.D
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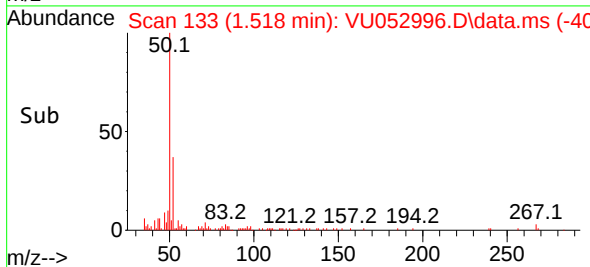
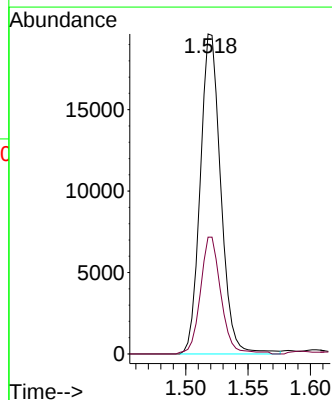
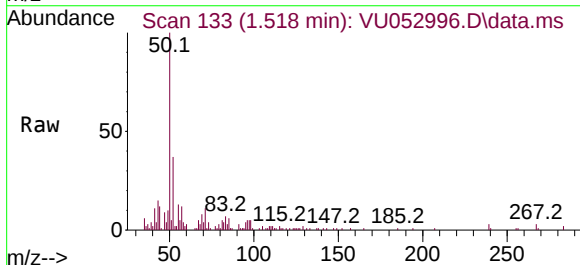
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010074

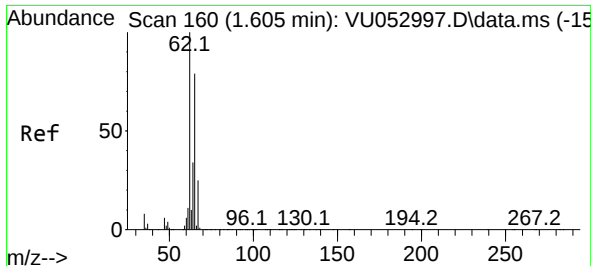
Tgt Ion: 85 Resp: 24461
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.4 39.6



#3
 Chloromethane
 Concen: 9.524 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. 0.000 min
 Lab File: VU052996.D
 Acq: 08 Feb 2023 12:25

Tgt Ion: 50 Resp: 22549
 Ion Ratio Lower Upper
 50 100
 52 36.5 23.4 43.4

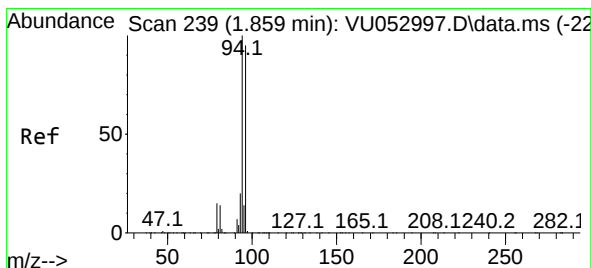
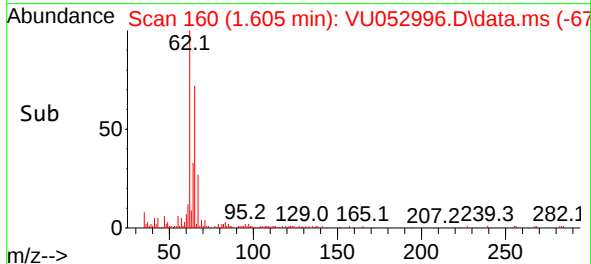
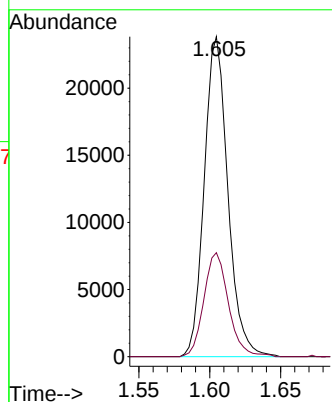
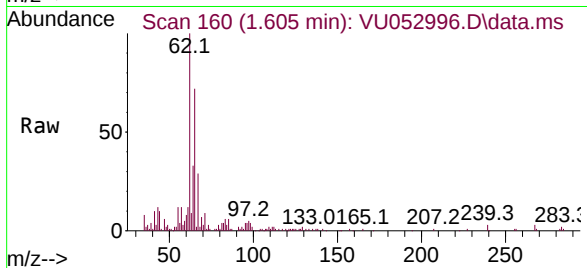




#5
 Vinyl chloride
 Concen: 10.354 ug/L
 RT: 1.605 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU052996.D
 Acq: 08 Feb 2023 12:25

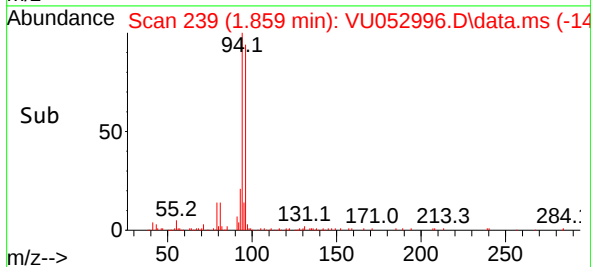
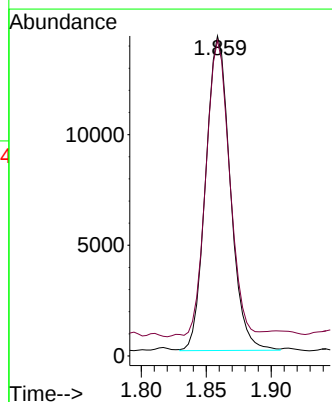
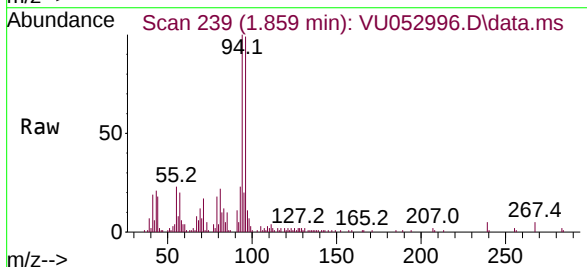
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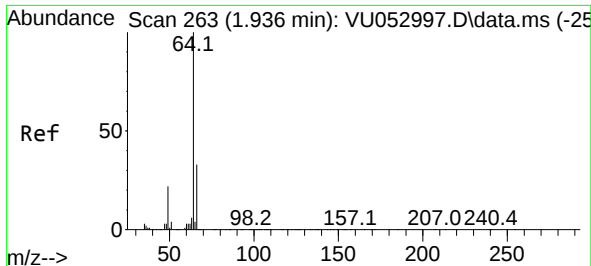
Tgt Ion: 62 Resp: 27638
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.4 41.6



#6
 Bromomethane
 Concen: 10.870 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.000 min
 Lab File: VU052996.D
 Acq: 08 Feb 2023 12:25

Tgt Ion: 94 Resp: 18629
 Ion Ratio Lower Upper
 94 100
 96 98.6 67.8 125.8

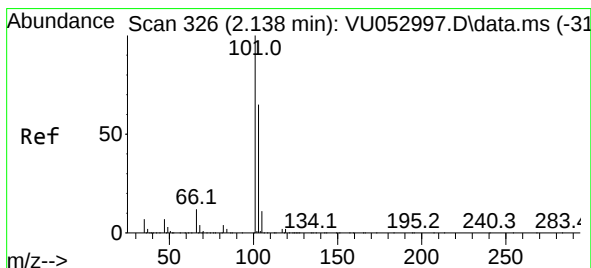
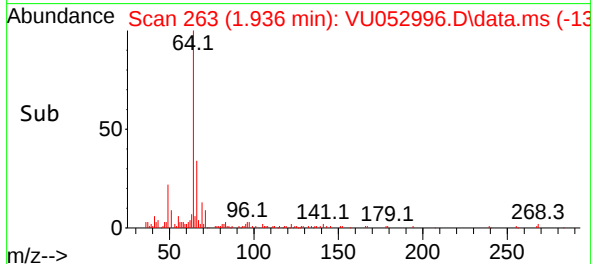
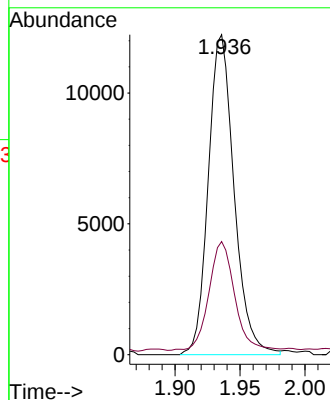
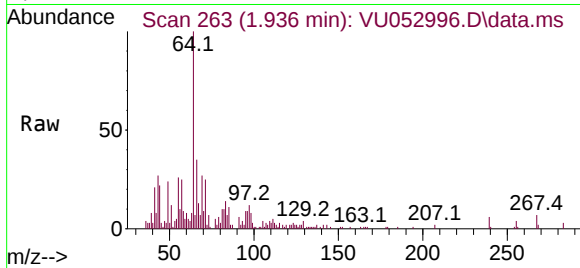




#8
Chloroethane
Concen: 10.113 ug/L
RT: 1.936 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

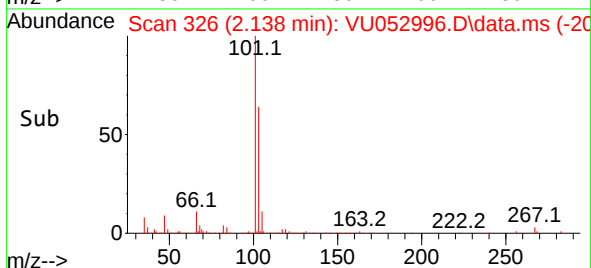
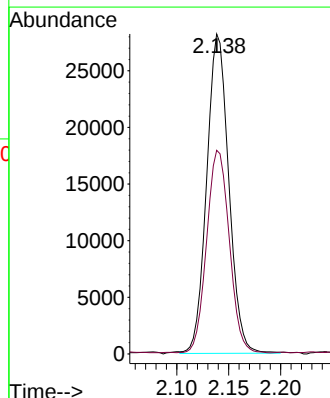
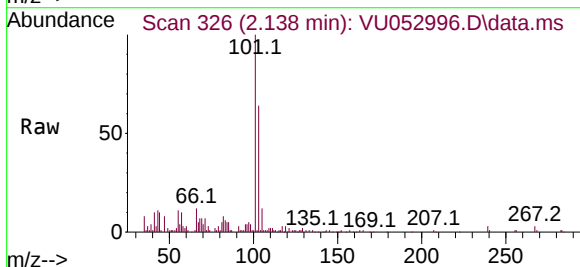
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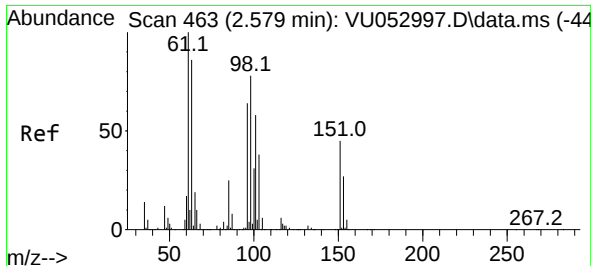
Tgt Ion: 64 Resp: 16902
Ion Ratio Lower Upper
64 100
66 35.4 24.1 44.7



#9
Trichlorofluoromethane
Concen: 9.452 ug/L
RT: 2.138 min Scan# 326
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion: 101 Resp: 41656
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

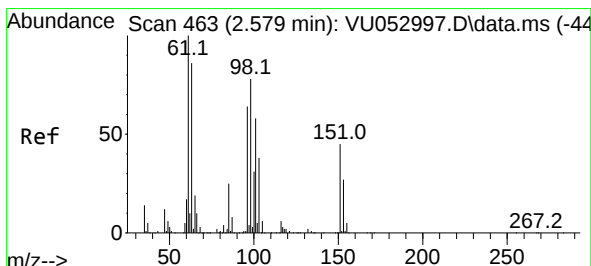
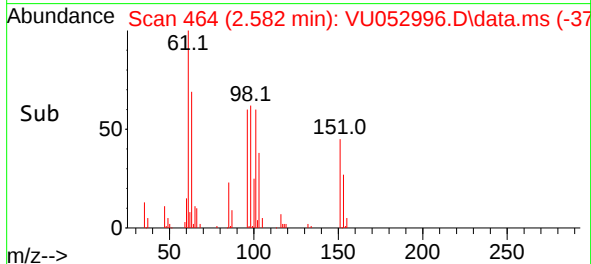
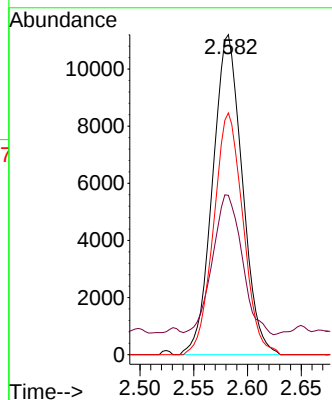
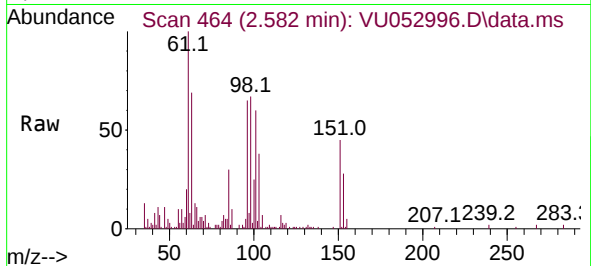




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 8.833 ug/L
RT: 2.582 min Scan# 464
Delta R.T. 0.003 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

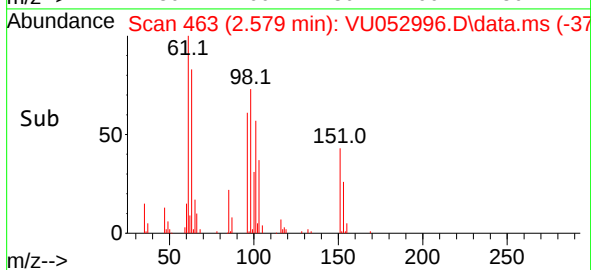
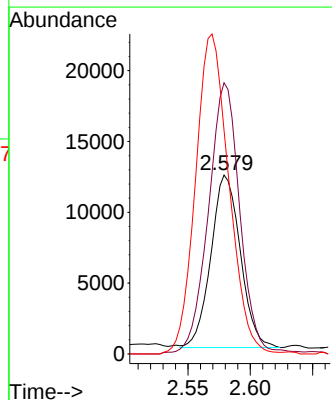
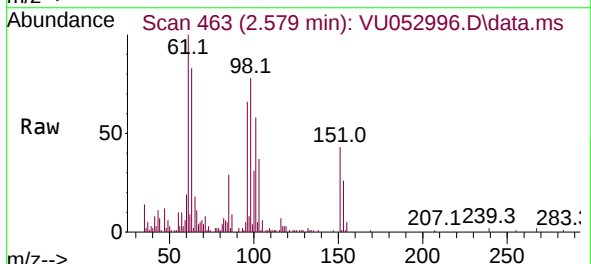
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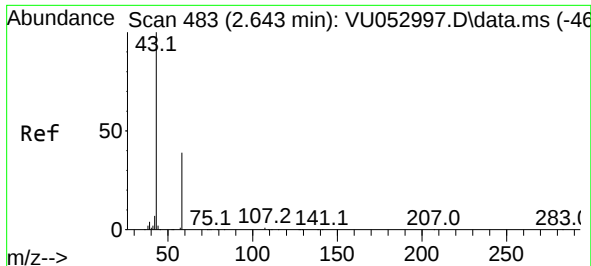
Tgt Ion:101 Resp: 21487
Ion Ratio Lower Upper
101 100
85 43.7 32.9 49.3
151 74.9 62.6 94.0



#12
1,1-Dichloroethene
Concen: 8.943 ug/L
RT: 2.579 min Scan# 463
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion: 96 Resp: 20084
Ion Ratio Lower Upper
96 100
61 151.6 114.3 212.3
63 125.1 80.6 149.6





#13

Acetone

Concen: 14.216 ug/L

RT: 2.643 min Scan# 483

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

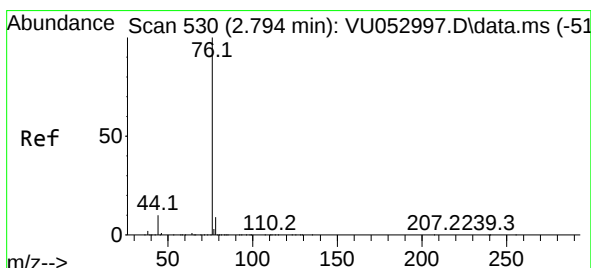
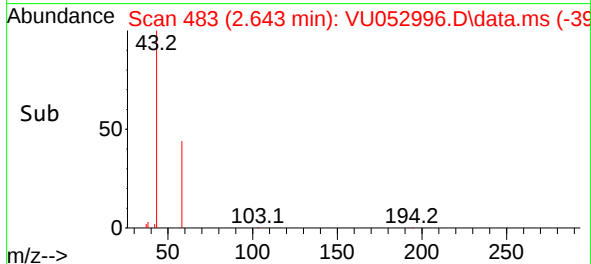
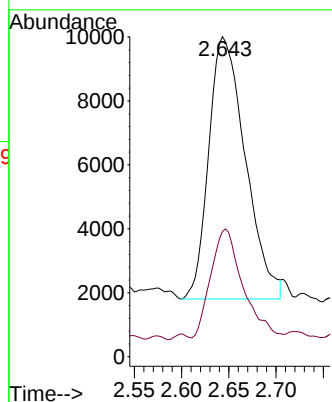
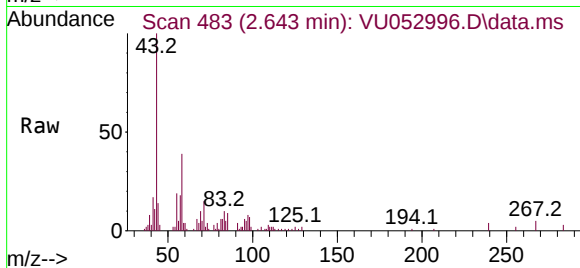
VSTD010074

Tgt Ion: 43 Resp: 22081

Ion Ratio Lower Upper

43 100

58 34.7 0.0 70.2



#14

Carbon disulfide

Concen: 8.890 ug/L

RT: 2.794 min Scan# 530

Delta R.T. 0.000 min

Lab File: VU052996.D

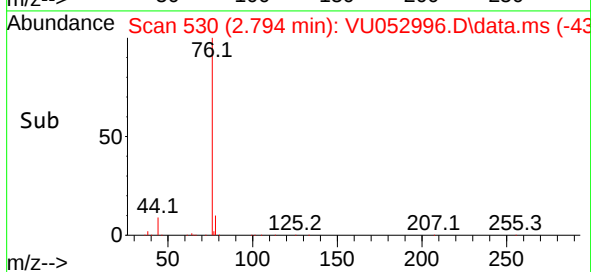
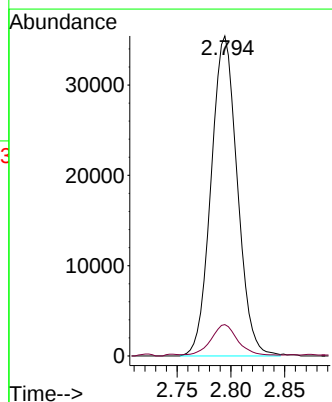
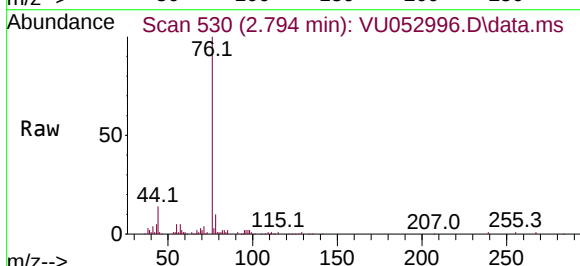
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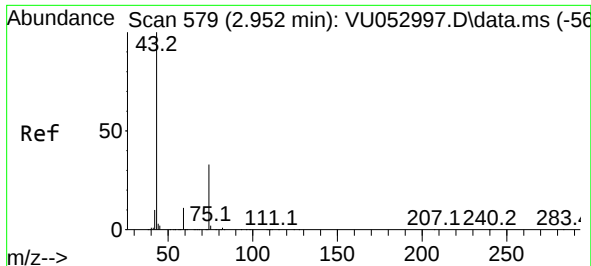
Tgt Ion: 76 Resp: 60185

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7

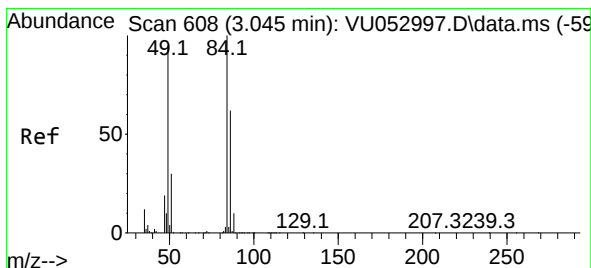
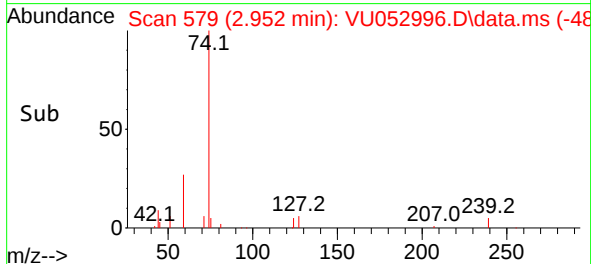
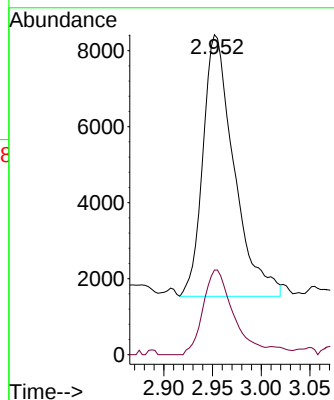
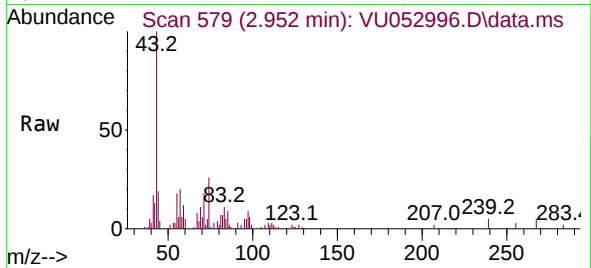




#15
Methyl Acetate
Concen: 7.286 ug/L
RT: 2.952 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

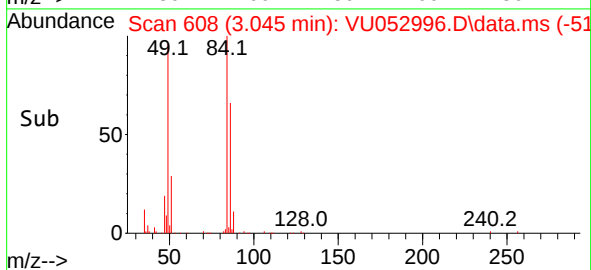
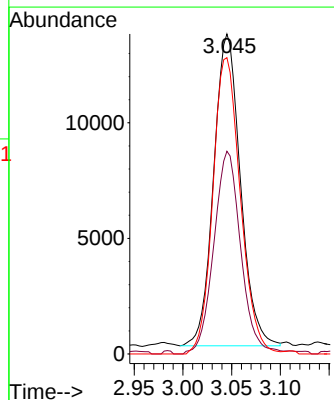
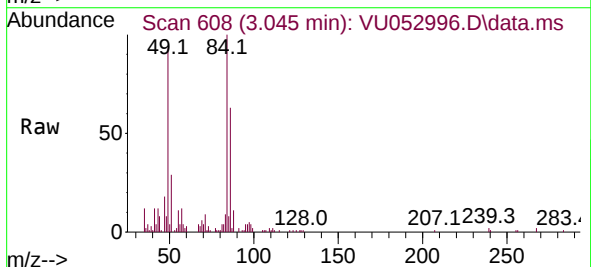
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

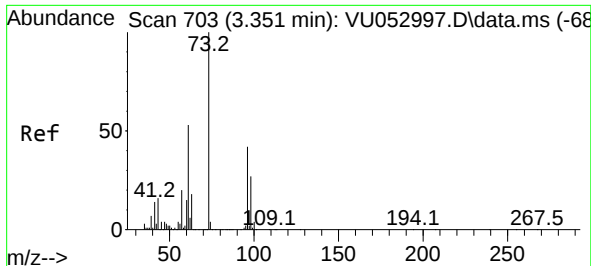
Tgt Ion: 43 Resp: 15241
Ion Ratio Lower Upper
43 100
74 31.4 22.0 33.0



#16
Methylene chloride
Concen: 9.699 ug/L
RT: 3.045 min Scan# 608
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion: 84 Resp: 25761
Ion Ratio Lower Upper
84 100
86 63.4 43.4 80.6
49 92.6 72.4 134.5

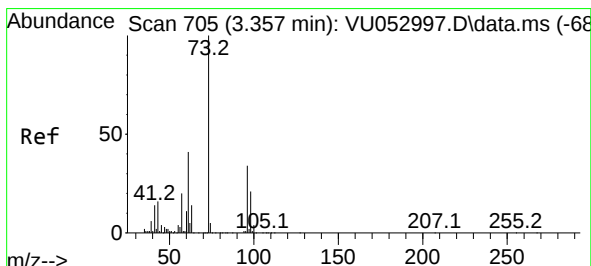
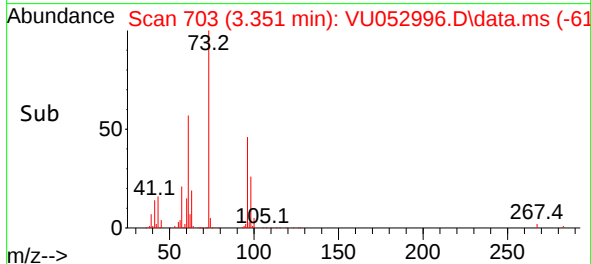
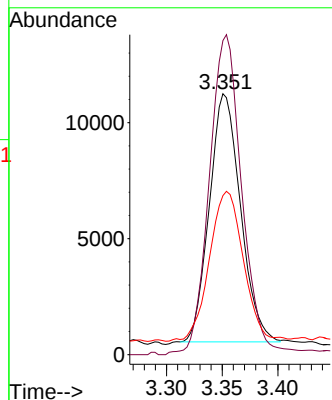
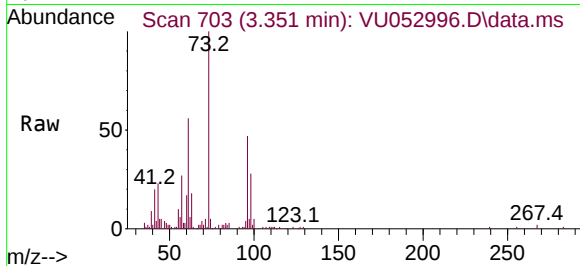




#17
trans-1,2-Dichloroethene
Concen: 8.616 ug/L
RT: 3.351 min Scan# 703
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

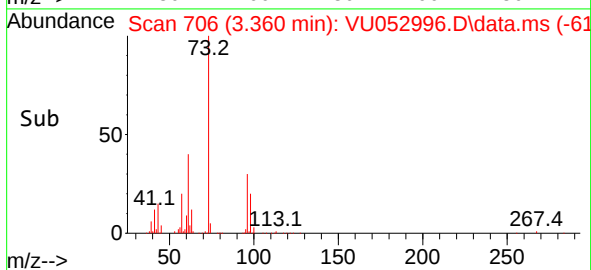
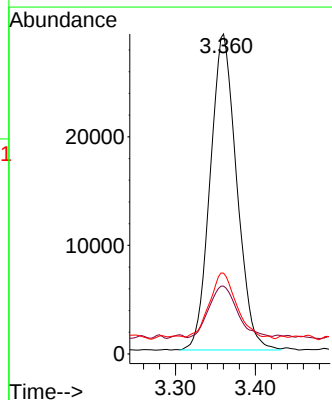
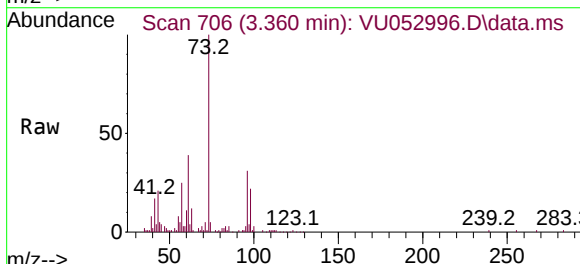
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

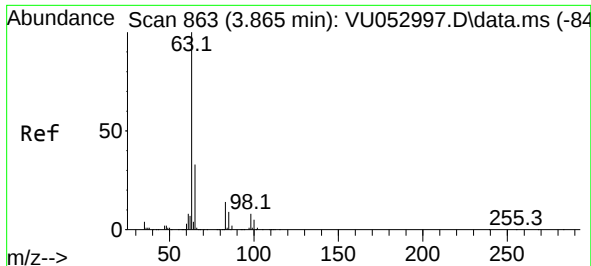
Tgt Ion: 96 Resp: 20800
Ion Ratio Lower Upper
96 100
61 120.3 92.7 172.3
98 60.9 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 9.348 ug/L
RT: 3.360 min Scan# 706
Delta R.T. 0.003 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion: 73 Resp: 66784
Ion Ratio Lower Upper
73 100
43 17.5 14.2 21.2
57 21.4 16.3 24.5





#19

1,1-Dichloroethane

Concen: 8.729 ug/L

RT: 3.868 min Scan# 8

Delta R.T. 0.003 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010074

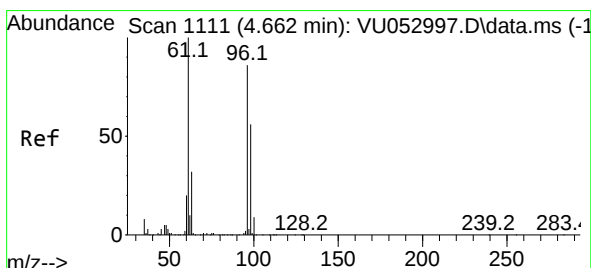
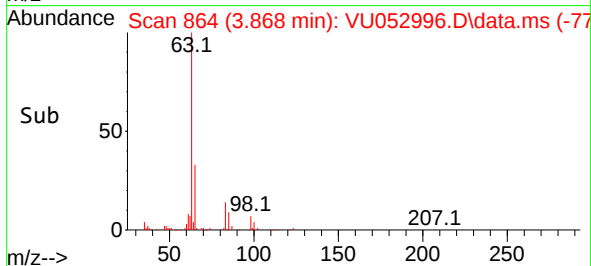
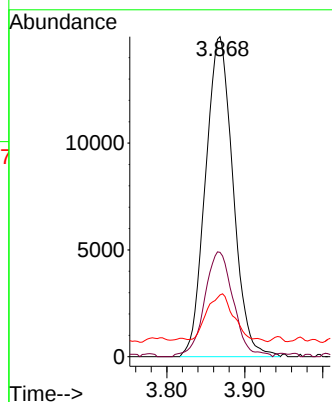
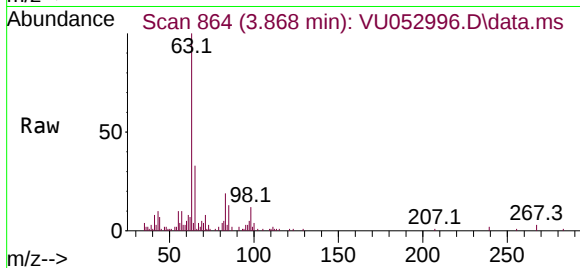
Tgt Ion: 63 Resp: 36787

Ion Ratio Lower Upper

63 100

65 32.6 22.4 41.6

83 19.3 9.2 17.2#



#20

cis-1,2-Dichloroethene

Concen: 9.231 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

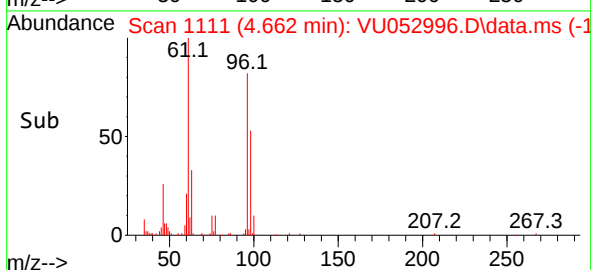
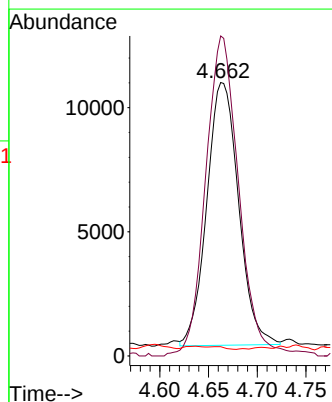
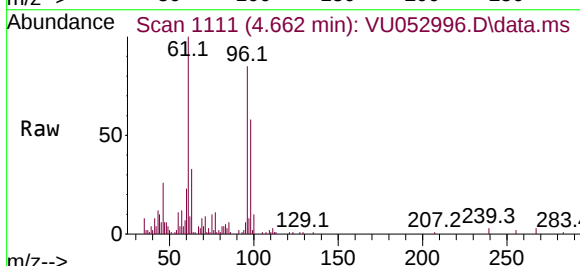
Tgt Ion: 96 Resp: 24023

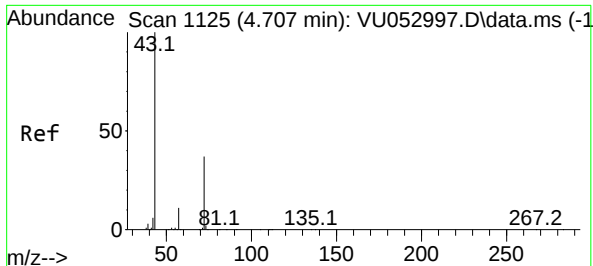
Ion Ratio Lower Upper

96 100

61 117.0 84.1 156.1

68 3.4 0.0 0.0#





#22

2-Butanone

Concen: 15.010 ug/L

RT: 4.714 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

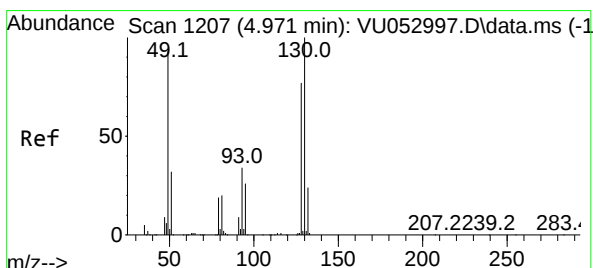
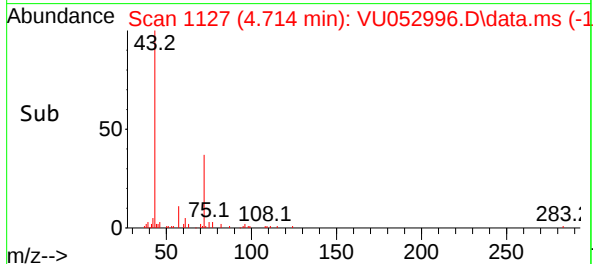
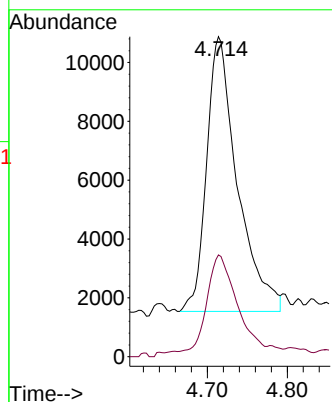
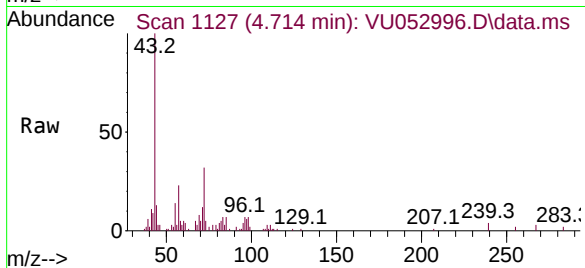
VSTD010074

Tgt Ion: 43 Resp: 24978

Ion Ratio Lower Upper

43 100

72 33.9 15.5 46.5



#23

Bromochloromethane

Concen: 9.044 ug/L

RT: 4.974 min Scan# 1208

Delta R.T. 0.003 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Tgt Ion: 128 Resp: 13092

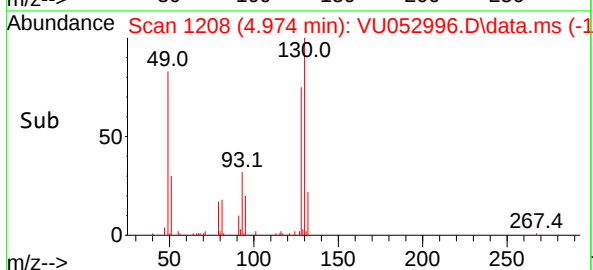
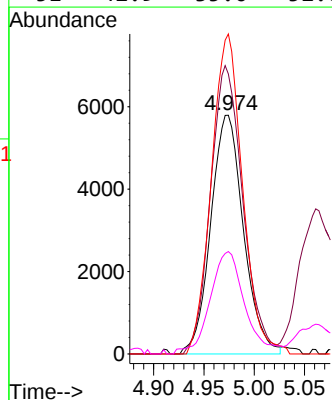
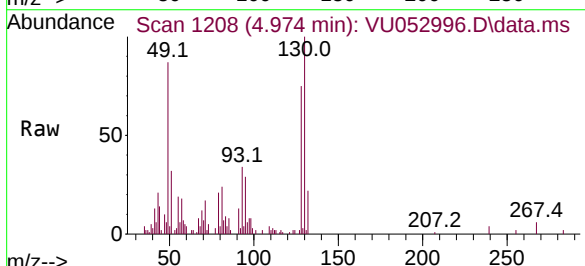
Ion Ratio Lower Upper

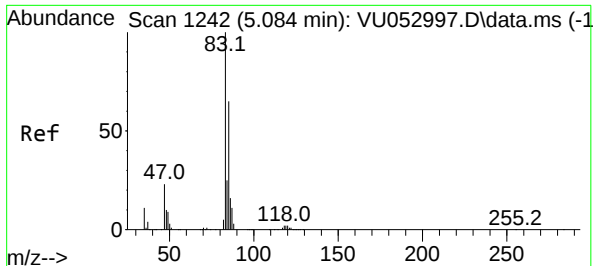
128 100

49 117.3 90.1 167.3

130 134.0 90.1 167.3

51 42.9 35.0 52.6

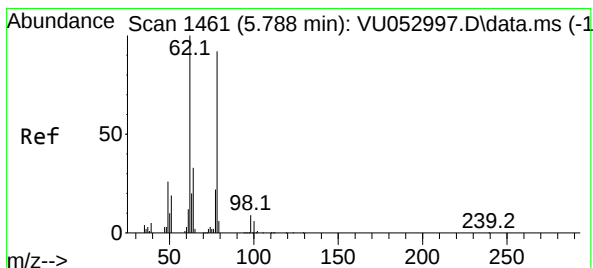
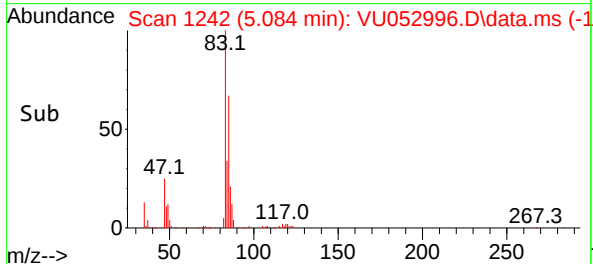
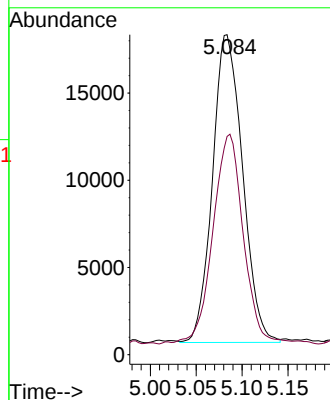
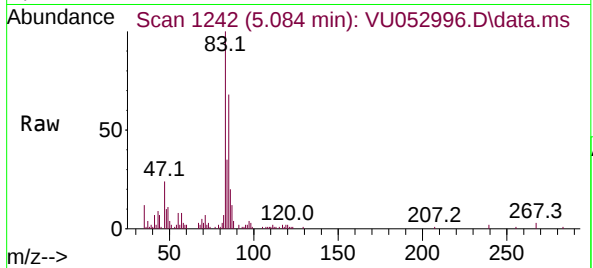




#25
Chloroform
Concen: 8.491 ug/L
RT: 5.084 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

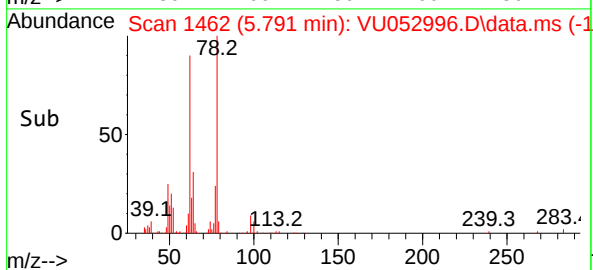
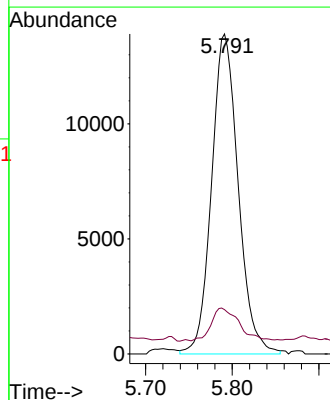
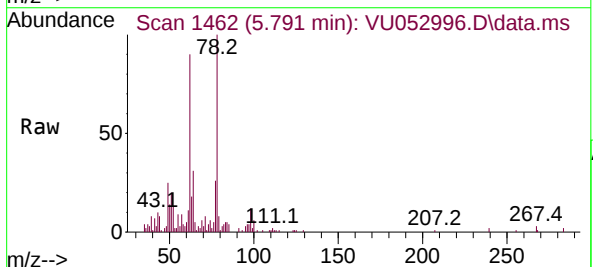
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

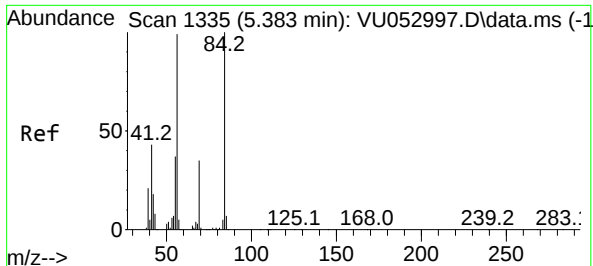
Tgt Ion: 83 Resp: 40237
Ion Ratio Lower Upper
83 100
85 68.2 45.8 85.0



#27
1,2-Dichloroethane
Concen: 8.077 ug/L
RT: 5.791 min Scan# 1462
Delta R.T. 0.003 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion: 62 Resp: 29696
Ion Ratio Lower Upper
62 100
98 13.9 7.6 11.4#





#29

Cyclohexane

Concen: 10.304 ug/L

RT: 5.386 min Scan# 1336

Delta R.T. 0.003 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010074

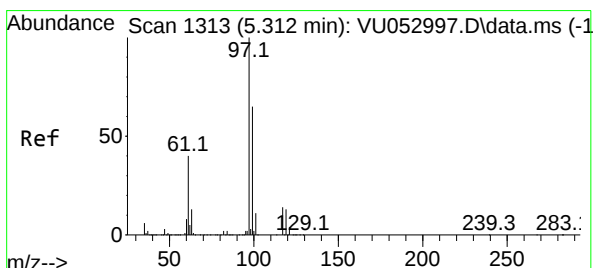
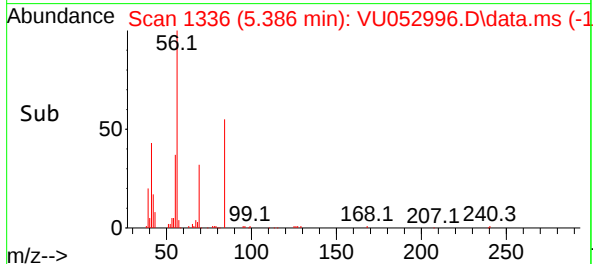
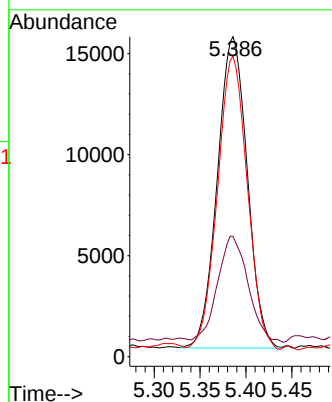
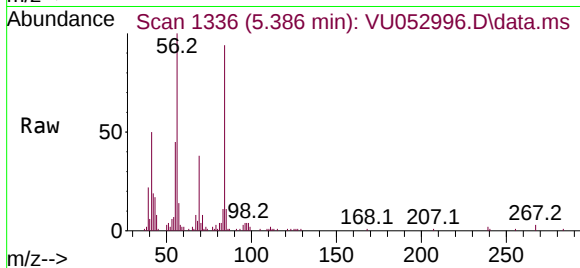
Tgt Ion: 56 Resp: 34951

Ion Ratio Lower Upper

56 100

69 32.9 26.6 40.0

84 93.9 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 9.071 ug/L

RT: 5.315 min Scan# 1314

Delta R.T. 0.003 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

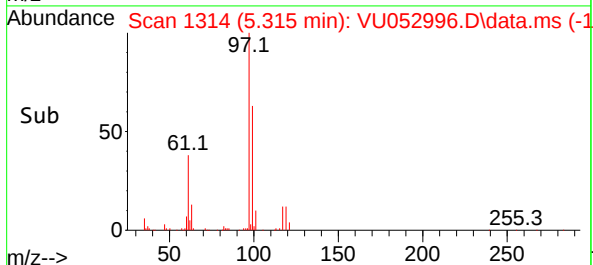
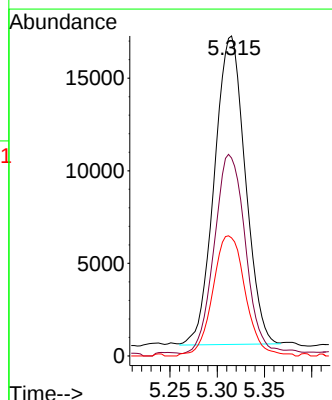
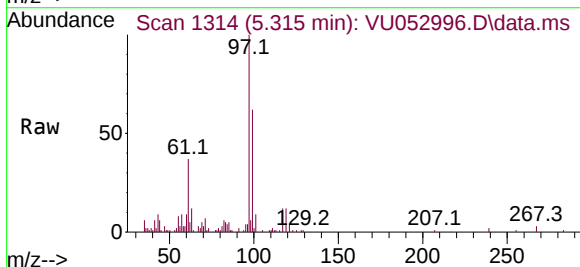
Tgt Ion: 97 Resp: 37800

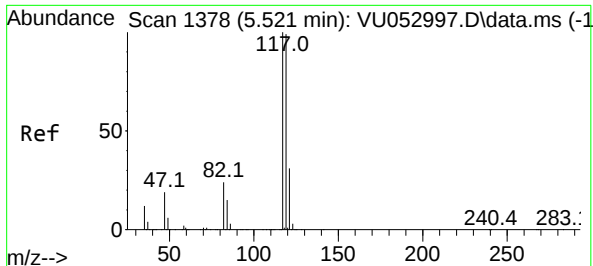
Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

61 41.0 33.0 49.6

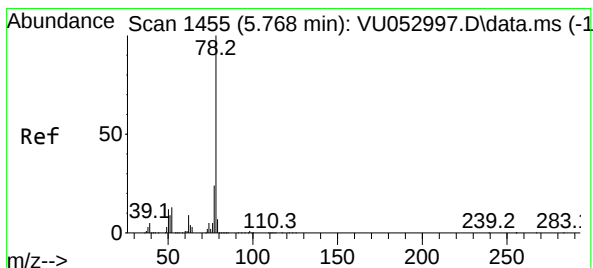
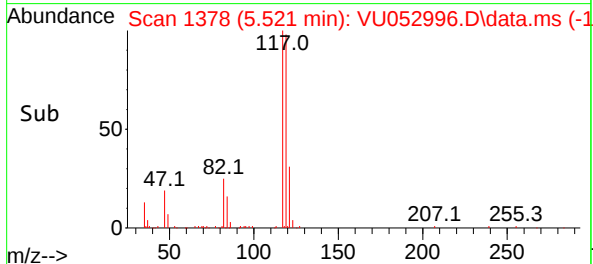
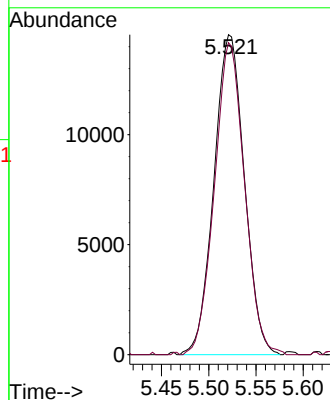
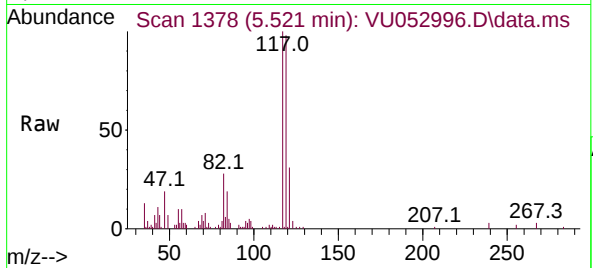




#31
Carbon tetrachloride
Concen: 9.011 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

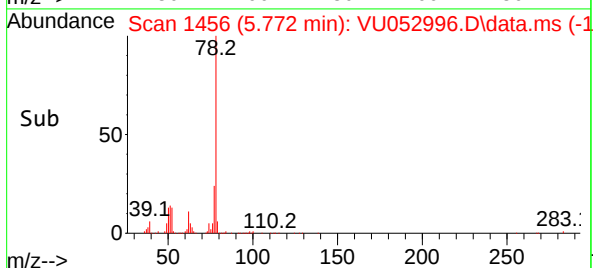
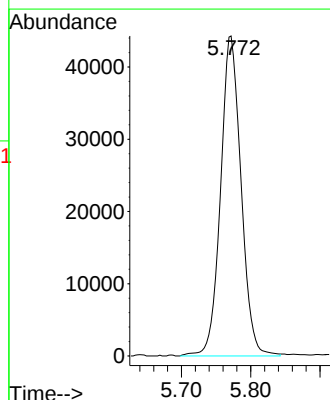
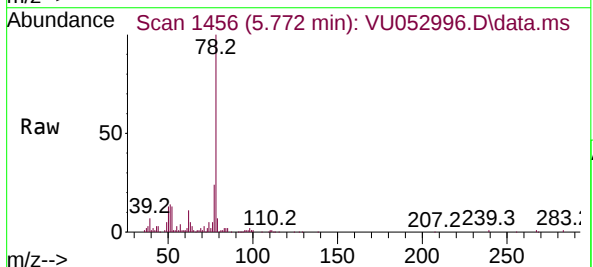
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

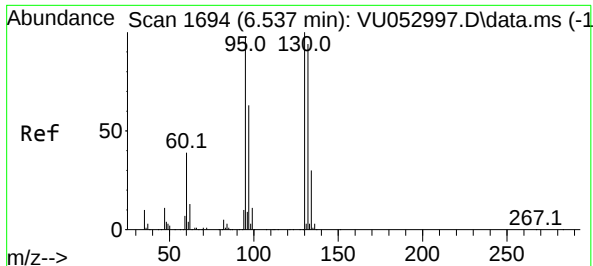
Tgt Ion:117 Resp: 32570
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.4



#33
Benzene
Concen: 9.428 ug/L
RT: 5.772 min Scan# 1456
Delta R.T. 0.003 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion: 78 Resp: 91208

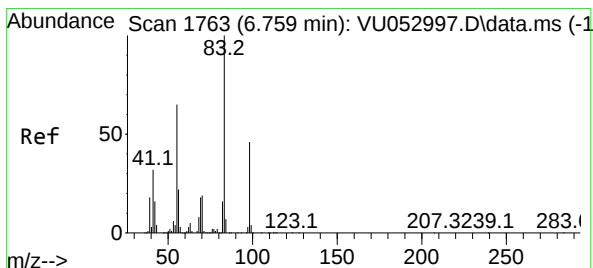
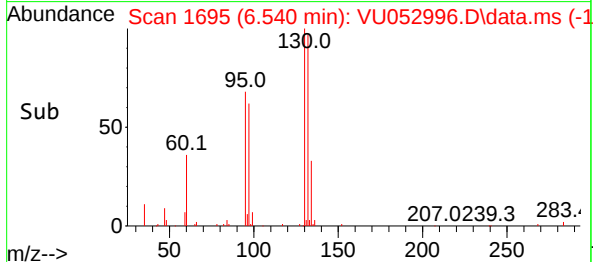
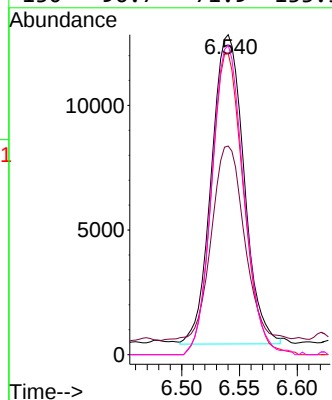
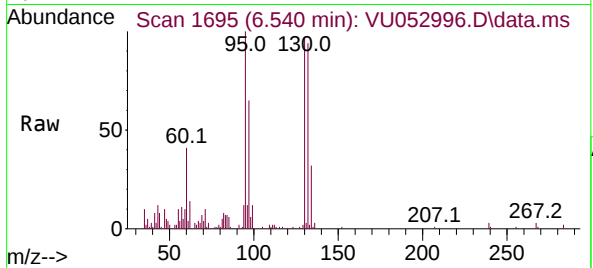




#34
Trichloroethene
Concen: 9.734 ug/L
RT: 6.540 min Scan# 1695
Delta R.T. 0.003 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

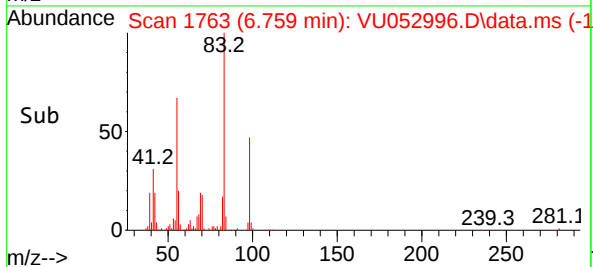
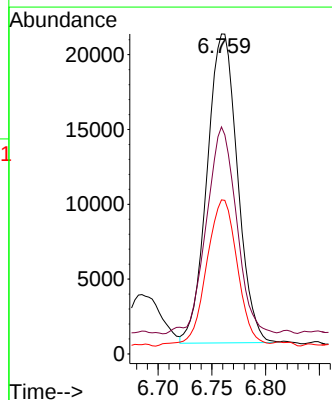
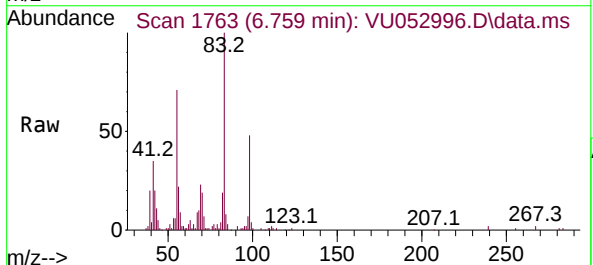
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

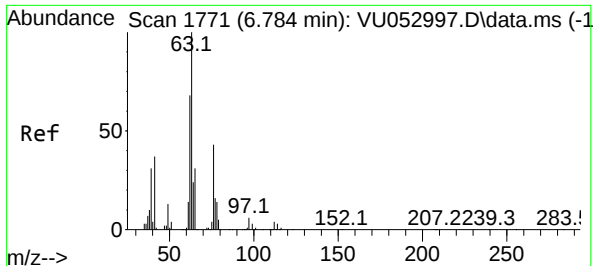
Tgt Ion:	95	Resp:	24291
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.5	82.7
132	94.1	66.8	124.0
130	96.7	71.9	133.5



#35
Methylcyclohexane
Concen: 10.272 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion:	83	Resp:	40798
Ion	Ratio	Lower	Upper
83	100		
55	66.1	57.1	85.7
98	48.1	38.9	58.3





#37

1,2-Dichloropropane

Concen: 9.486 ug/L

RT: 6.788 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

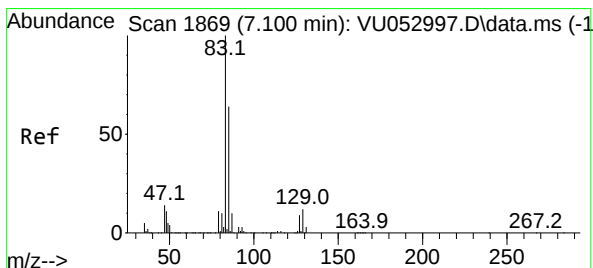
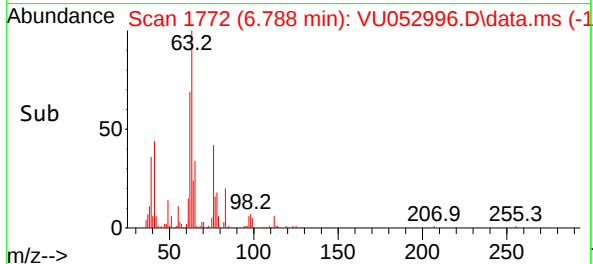
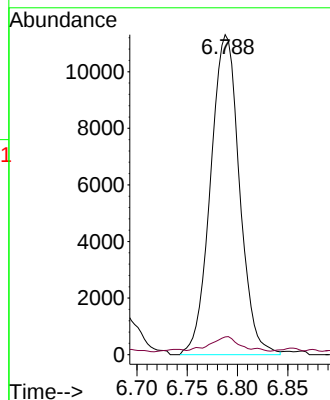
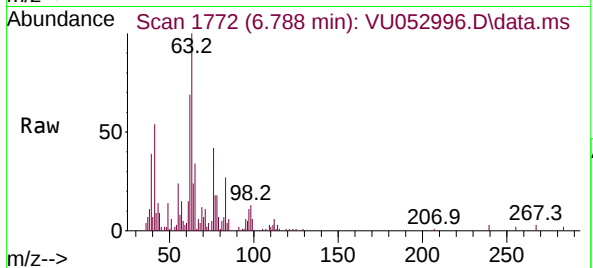
VSTD010074

Tgt Ion: 63 Resp: 22644

Ion Ratio Lower Upper

63 100

112 3.8 3.8 5.8#



#38

Bromodichloromethane

Concen: 9.325 ug/L

RT: 7.103 min Scan# 1870

Delta R.T. 0.003 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

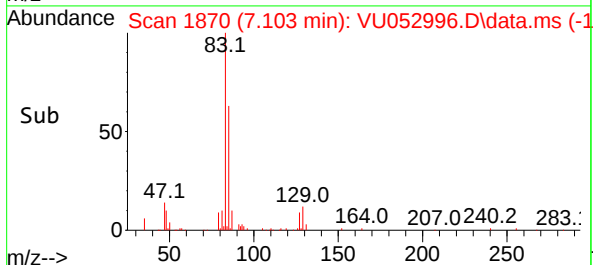
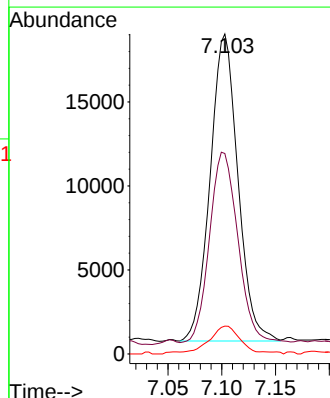
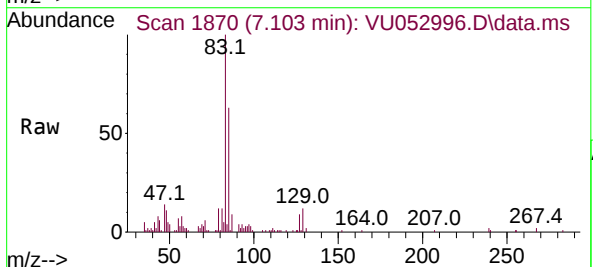
Tgt Ion: 83 Resp: 32818

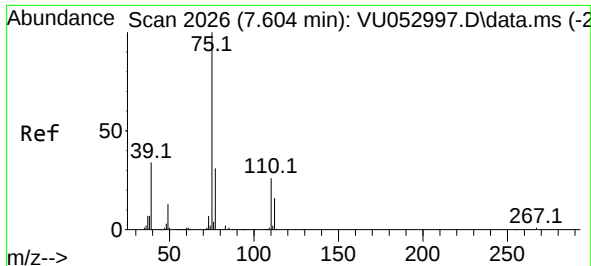
Ion Ratio Lower Upper

83 100

85 62.6 45.2 84.0

127 8.7 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 10.189 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

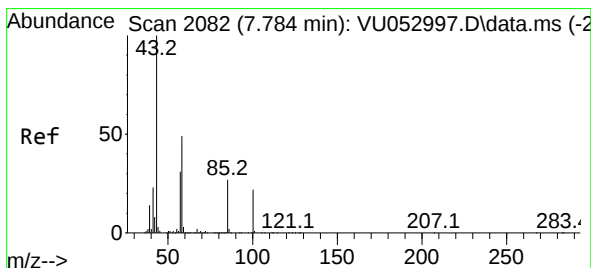
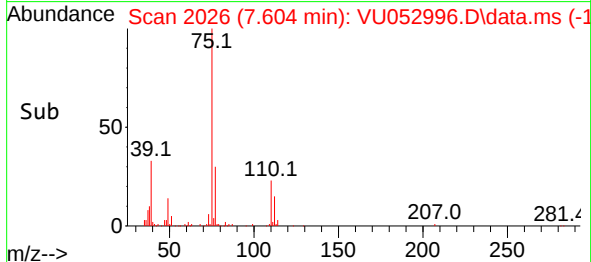
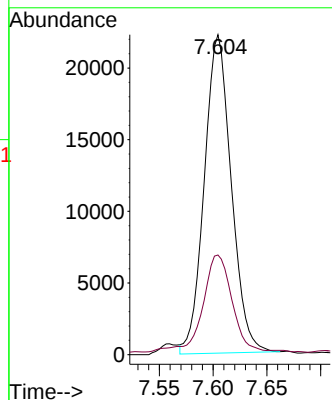
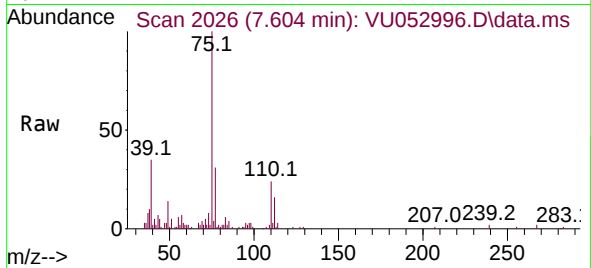
VSTD010074

Tgt Ion: 75 Resp: 38761

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 16.237 ug/L

RT: 7.788 min Scan# 2083

Delta R.T. 0.003 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

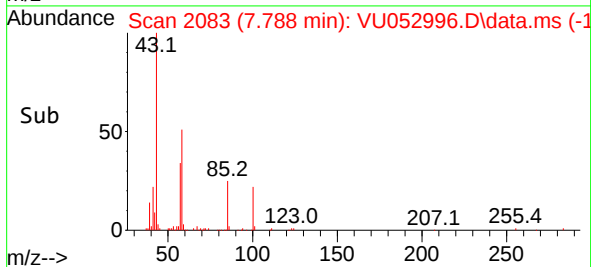
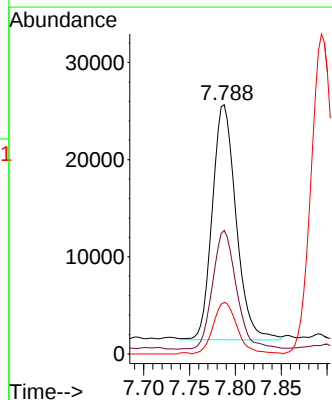
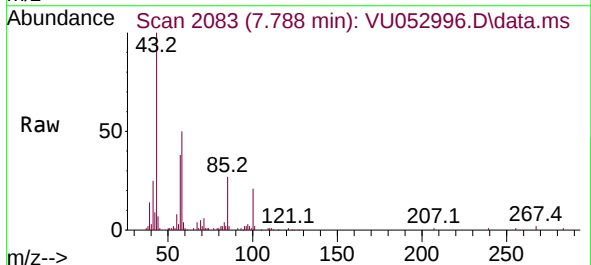
Tgt Ion: 43 Resp: 43748

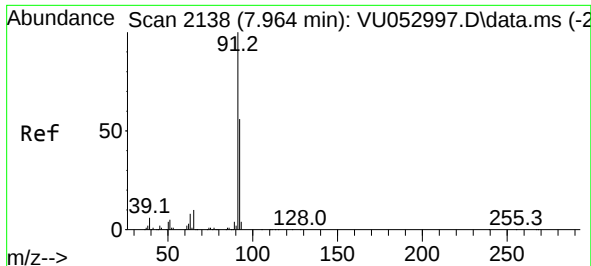
Ion Ratio Lower Upper

43 100

58 50.2 35.4 53.2

100 22.3 16.0 24.0





#42

Toluene

Concen: 9.960 ug/L

RT: 7.965 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

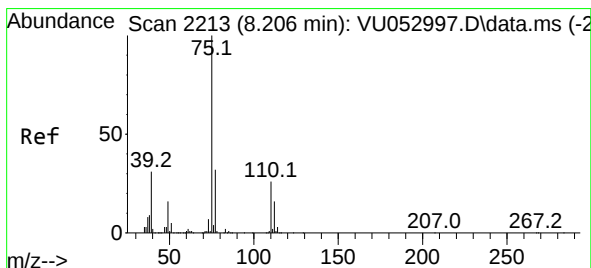
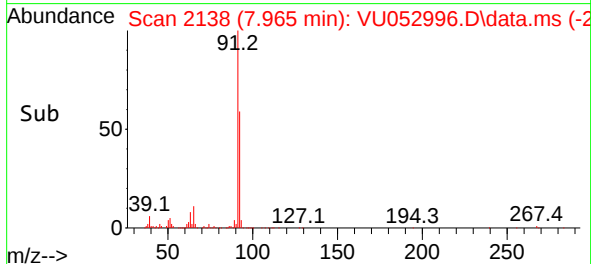
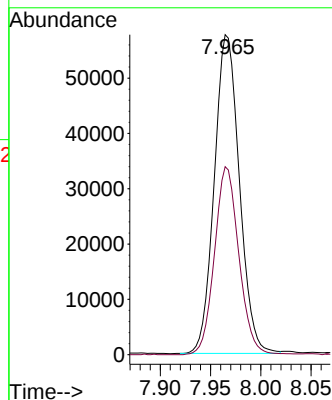
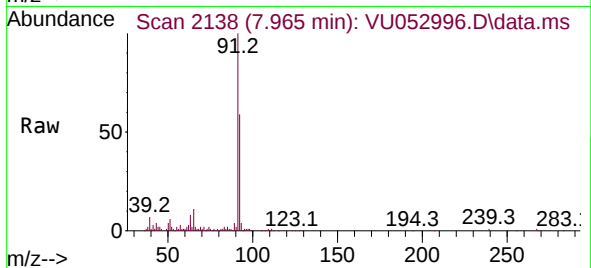
VSTD010074

Tgt Ion: 91 Resp: 100068

Ion Ratio Lower Upper

91 100

92 58.7 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 9.899 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU052996.D

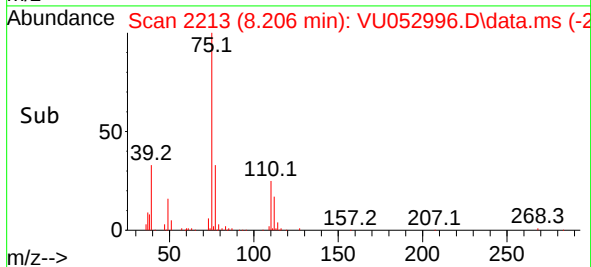
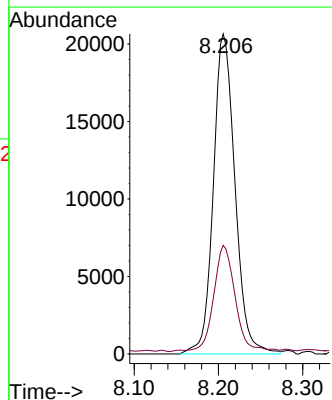
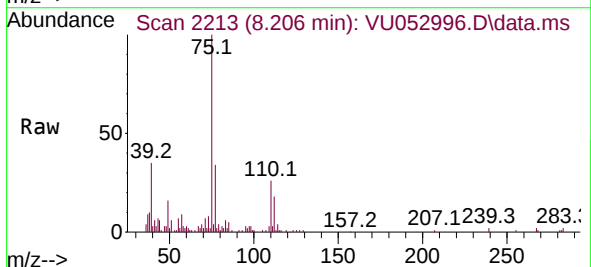
Acq: 08 Feb 2023 12:25

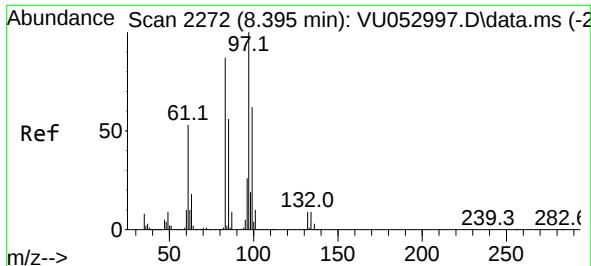
Tgt Ion: 75 Resp: 36888

Ion Ratio Lower Upper

75 100

77 33.9 22.3 41.3



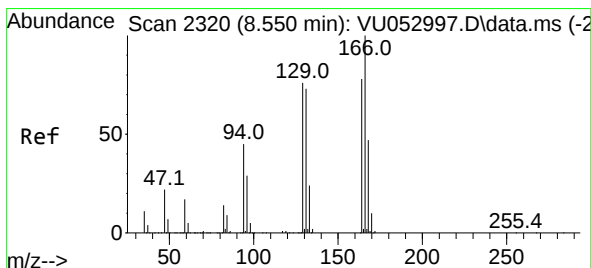
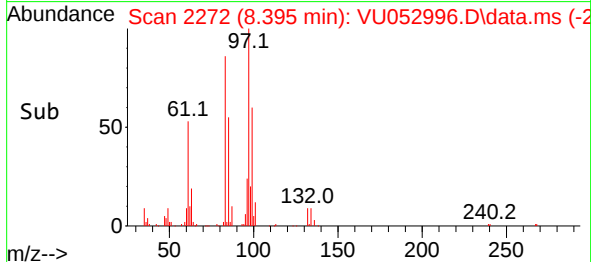
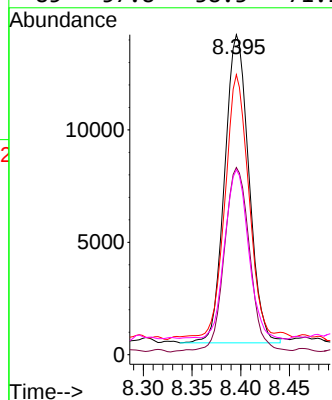
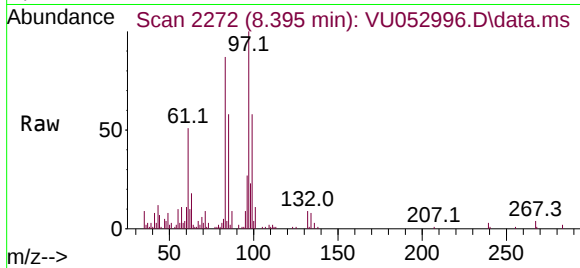


#45
1,1,2-Trichloroethane
Concen: 9.696 ug/L
RT: 8.395 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

Tgt Ion: 97 Resp: 23723

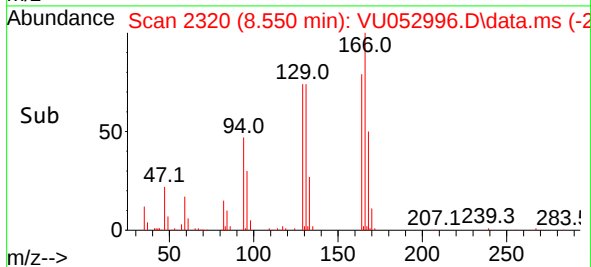
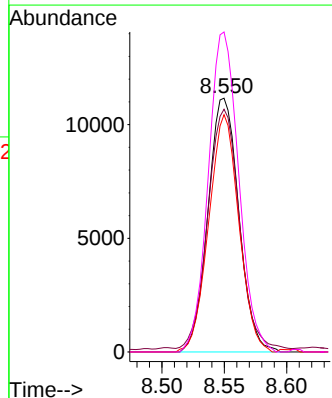
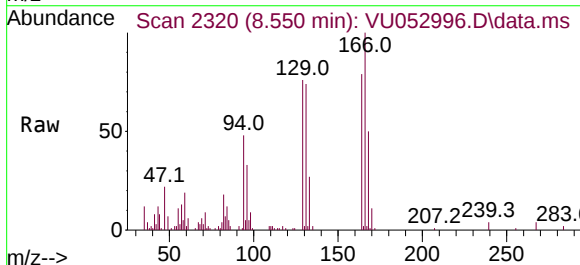
Ion	Ratio	Lower	Upper
97	100		
99	58.5	44.7	83.1
83	87.5	60.3	112.1
85	57.8	38.3	71.1

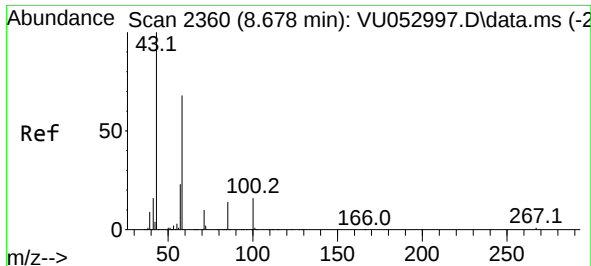


#46
Tetrachloroethene
Concen: 9.103 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion: 164 Resp: 19246

Ion	Ratio	Lower	Upper
164	100		
129	95.7	64.8	120.3
131	93.5	61.2	113.6
166	126.1	89.2	165.8

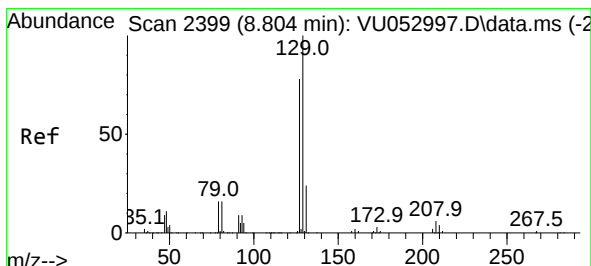
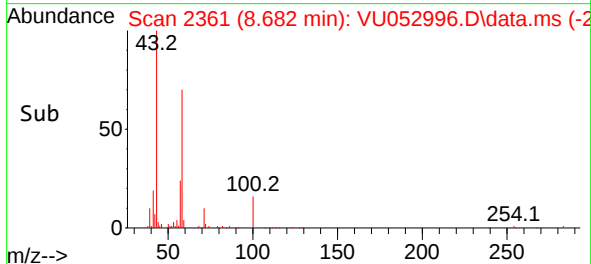
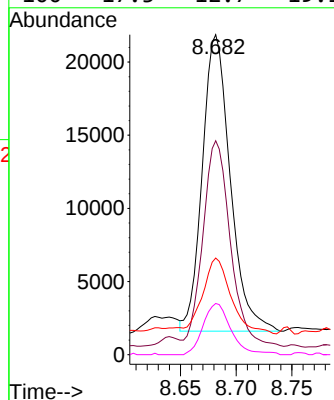
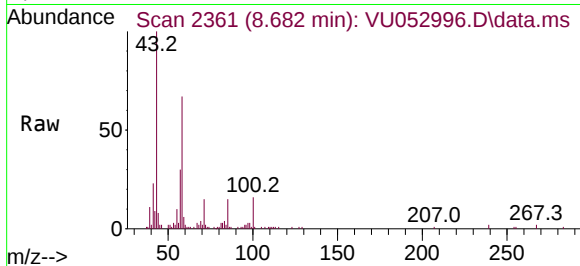




#48
2-Hexanone
Concen: 15.698 ug/L
RT: 8.682 min Scan# 2361
Delta R.T. 0.003 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

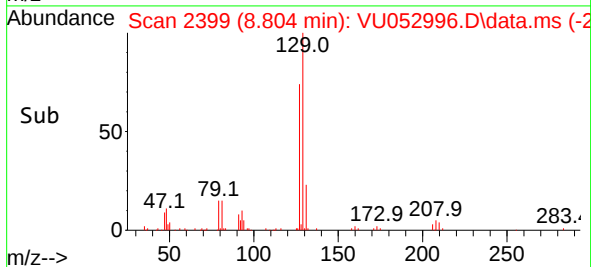
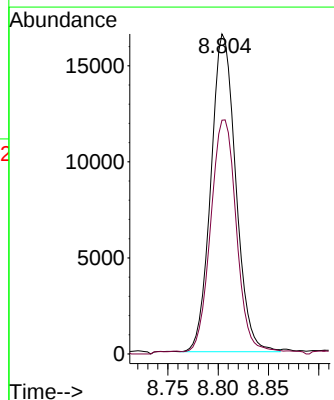
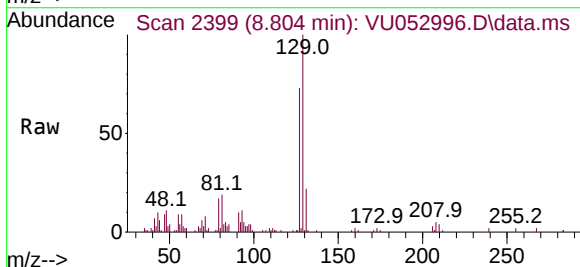
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

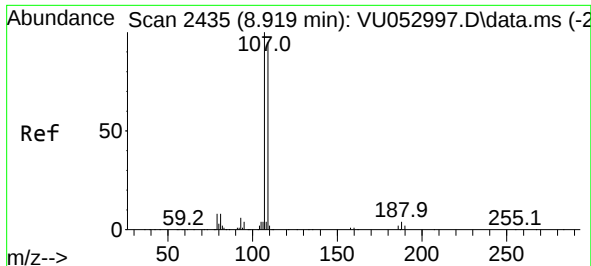
Tgt Ion:	43	Resp:	35446
Ion	Ratio	Lower	Upper
43	100		
58	69.4	48.0	72.0
57	25.9	16.8	25.2
100	17.3	12.7	19.1



#49
Dibromochloromethane
Concen: 9.695 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion:	129	Resp:	28528
Ion	Ratio	Lower	Upper
129	100		
127	73.1	53.2	98.8





#50

1,2-Dibromoethane

Concen: 9.409 ug/L

RT: 8.919 min Scan# 2435

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010074

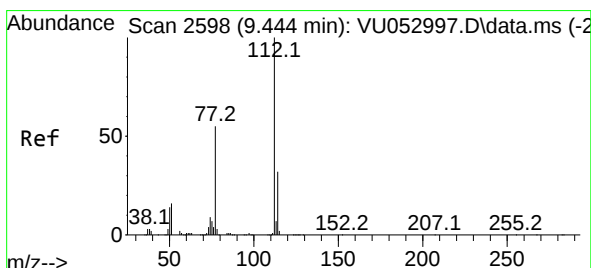
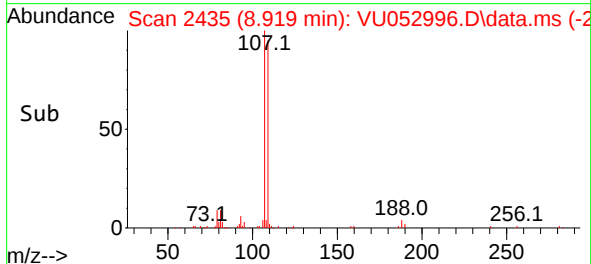
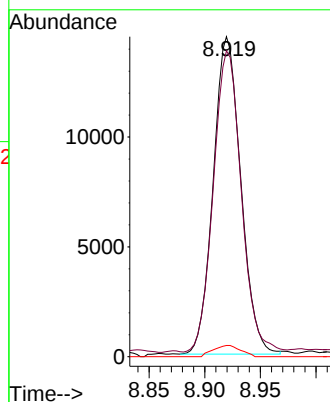
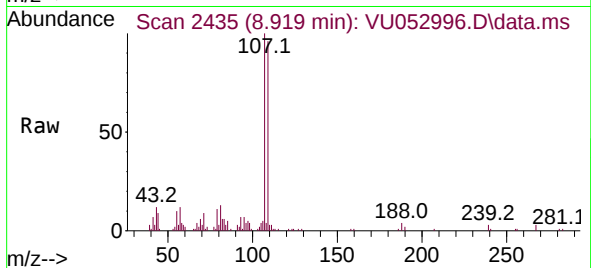
Tgt Ion:107 Resp: 24922

Ion Ratio Lower Upper

107 100

109 95.6 65.5 121.6

188 3.5 3.2 4.8



#51

Chlorobenzene

Concen: 9.322 ug/L

RT: 9.444 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

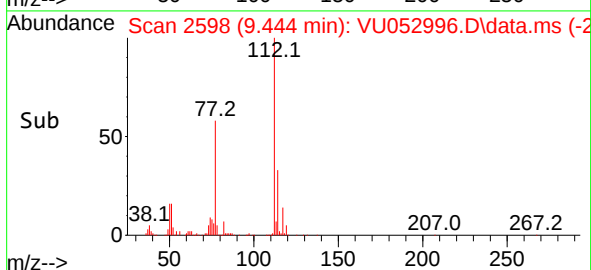
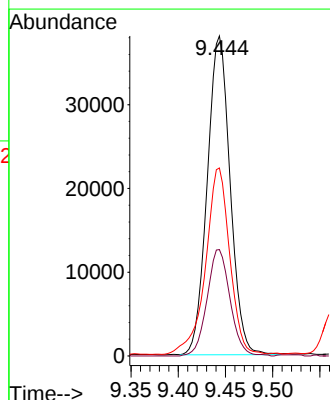
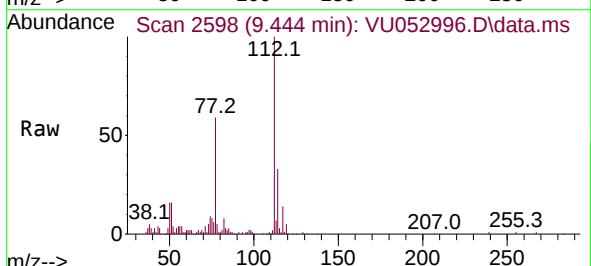
Tgt Ion:112 Resp: 64200

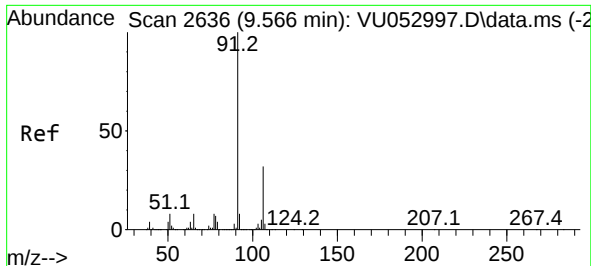
Ion Ratio Lower Upper

112 100

114 33.3 22.8 42.4

77 58.8 45.9 68.9

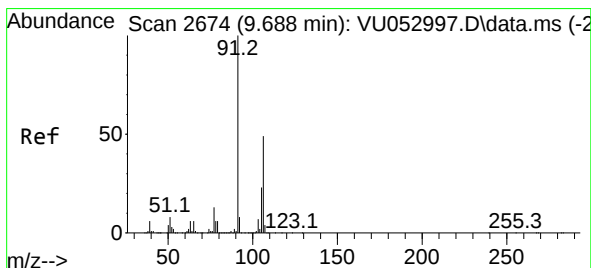
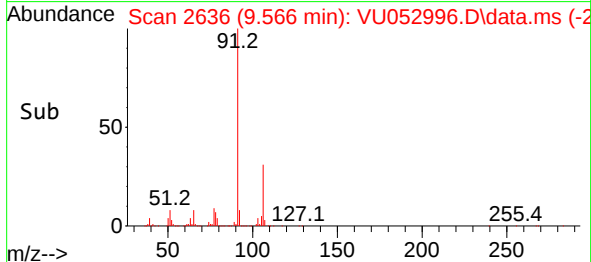
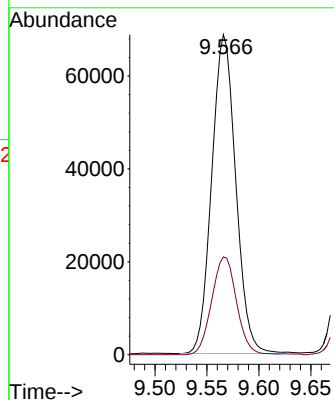
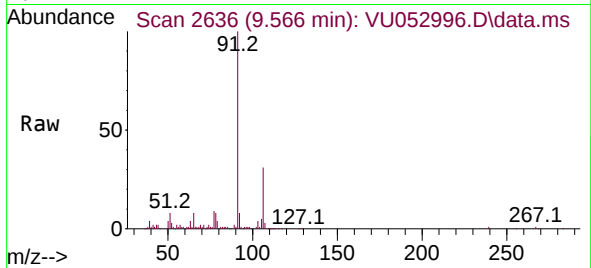




#52
Ethylbenzene
Concen: 10.225 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

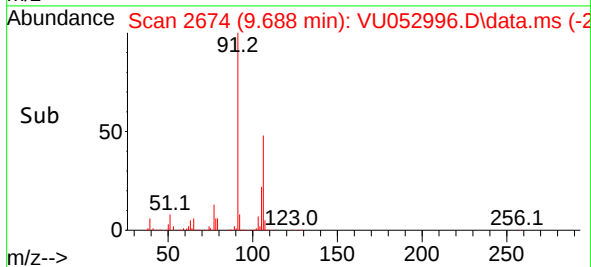
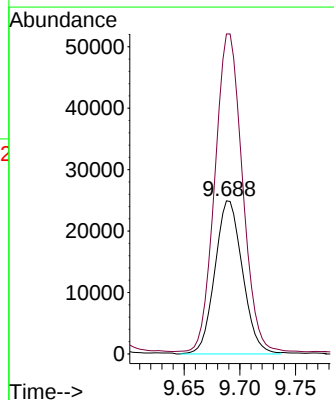
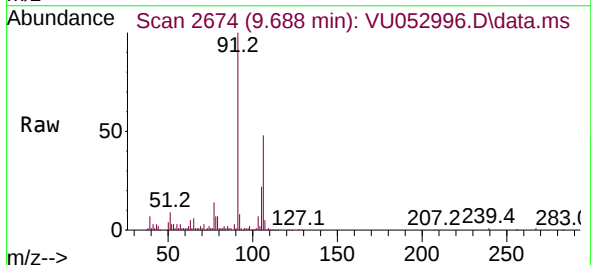
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

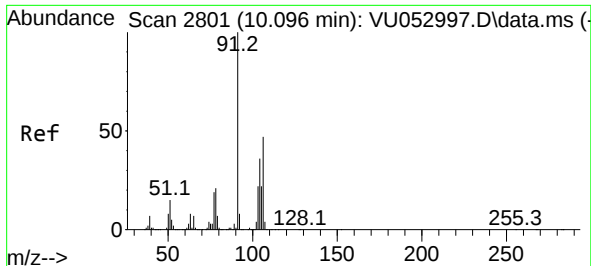
Tgt Ion: 91 Resp: 110440
Ion Ratio Lower Upper
91 100
106 30.6 22.0 40.8



#53
m,p-Xylene
Concen: 9.885 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion:106 Resp: 42980
Ion Ratio Lower Upper
106 100
91 209.0 137.4 255.2

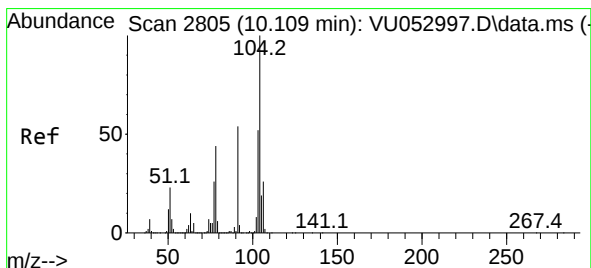
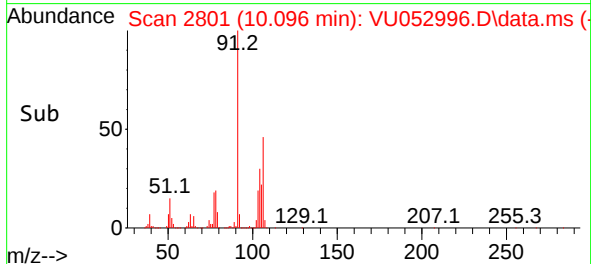
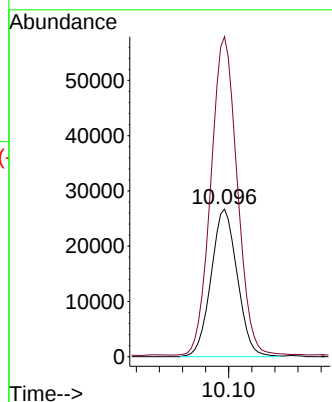
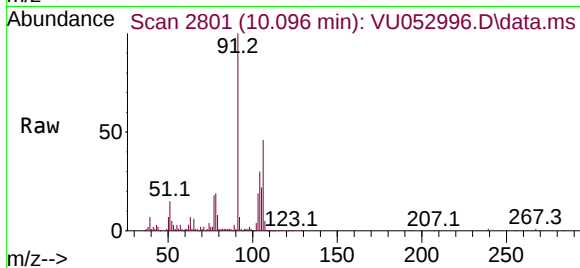




#54
o-xylene
Concen: 10.126 ug/L
RT: 10.096 min Scan# 2801
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

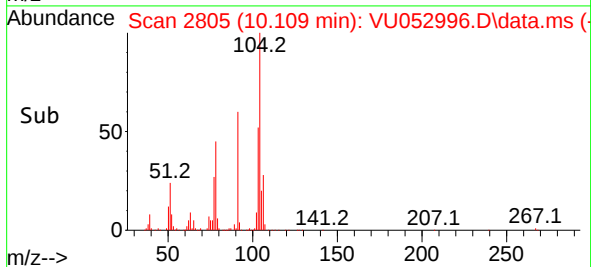
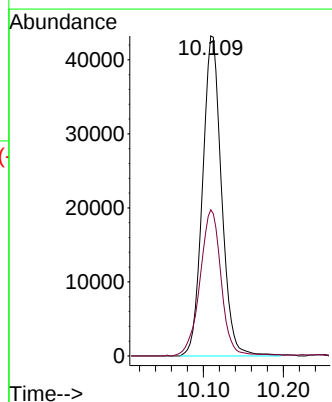
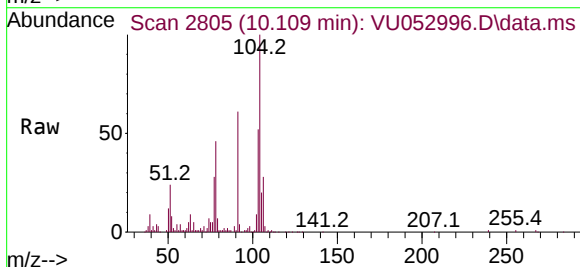
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

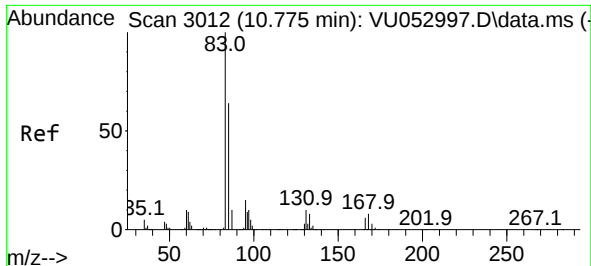
Tgt Ion:106 Resp: 42068
Ion Ratio Lower Upper
106 100
91 216.9 143.4 266.2



#55
Styrene
Concen: 10.056 ug/L
RT: 10.109 min Scan# 2805
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion:104 Resp: 71536
Ion Ratio Lower Upper
104 100
78 45.7 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 8.817 ug/L

RT: 10.778 min Scan# 3012

Delta R.T. 0.003 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010074

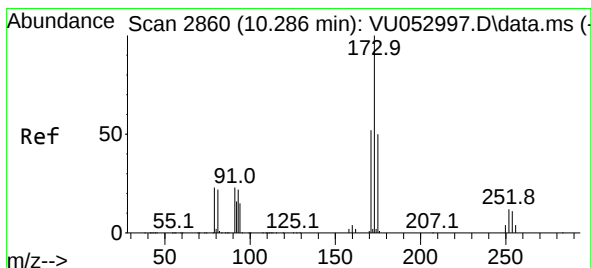
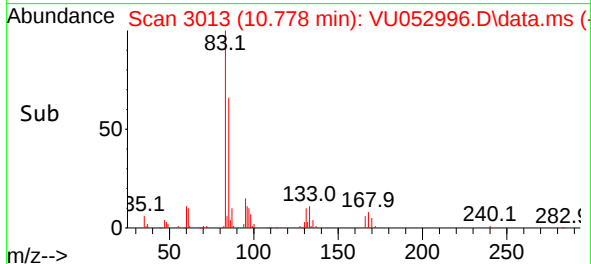
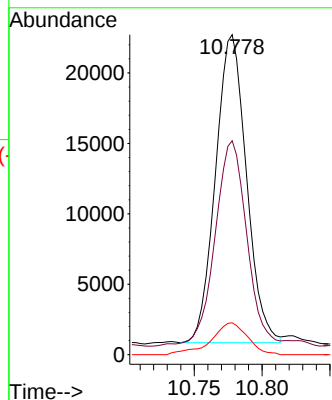
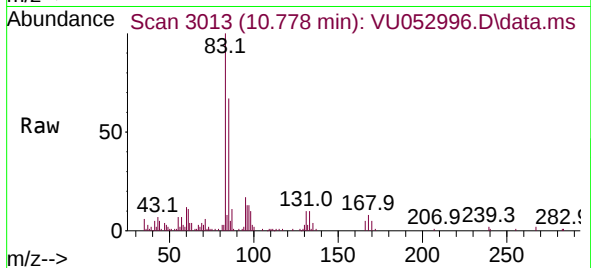
Tgt Ion: 83 Resp: 34655

Ion Ratio Lower Upper

83 100

85 66.8 45.0 83.6

131 9.9 8.6 12.8



#59

Bromoform

Concen: 9.539 ug/L

RT: 10.286 min Scan# 2860

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

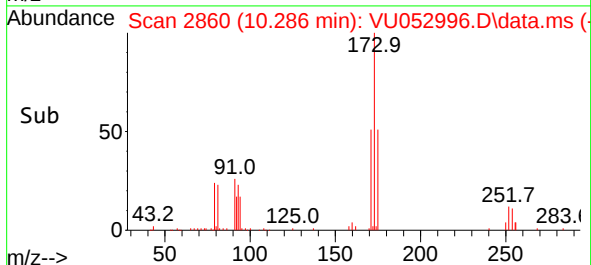
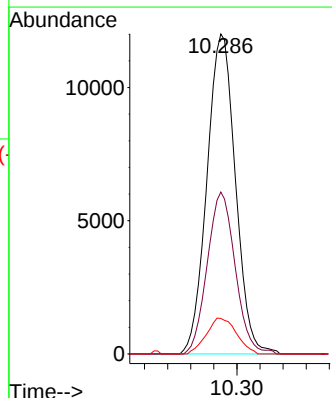
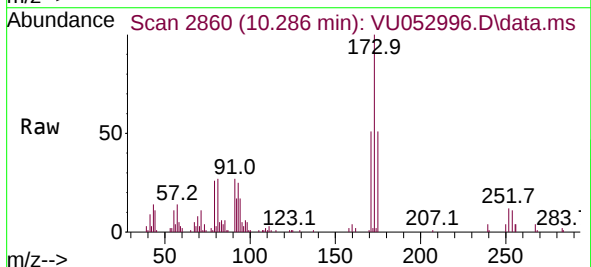
Tgt Ion: 173 Resp: 20587

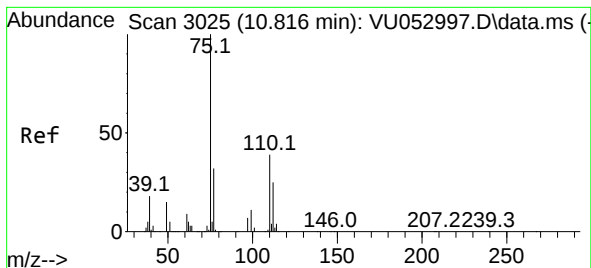
Ion Ratio Lower Upper

173 100

175 49.3 37.7 56.5

254 11.8 8.3 12.5





#60

1,2,3-Trichloropropane

Concen: 9.189 ug/L

RT: 10.817 min Scan# 3025

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010074

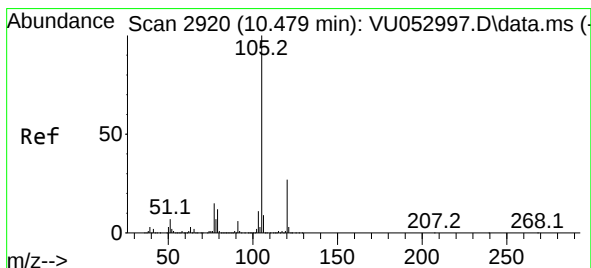
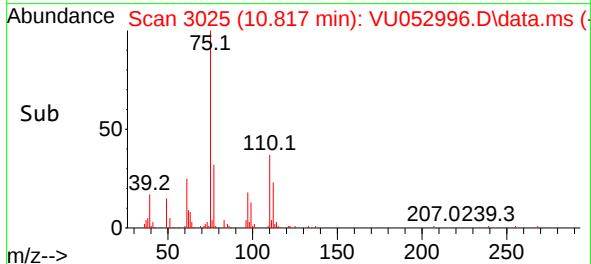
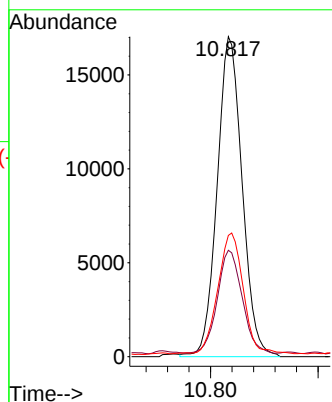
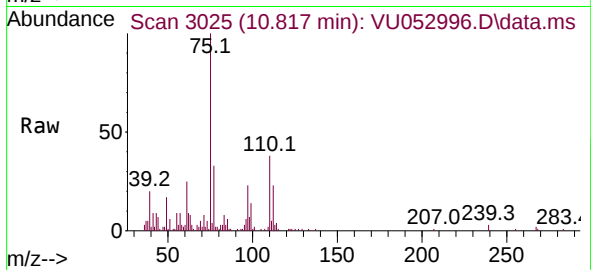
Tgt Ion: 75 Resp: 27479

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

110 38.7 32.4 48.6



#61

Isopropylbenzene

Concen: 10.899 ug/L

RT: 10.479 min Scan# 2920

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

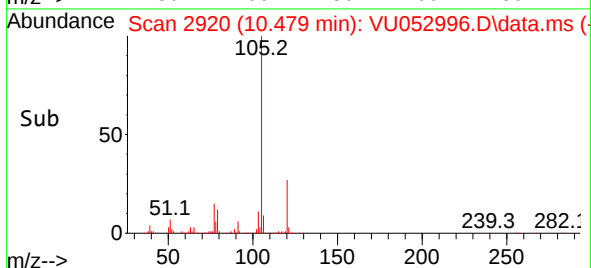
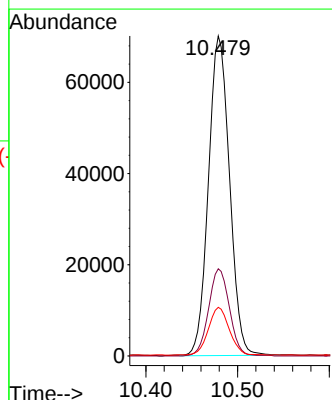
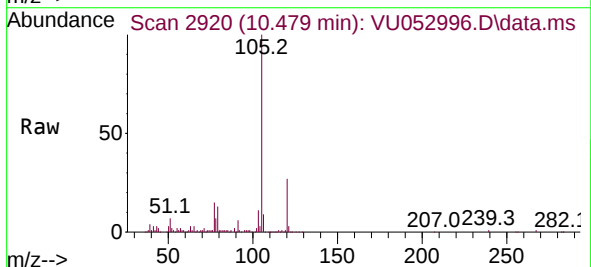
Tgt Ion: 105 Resp: 112049

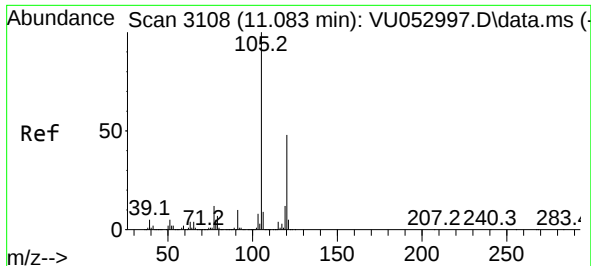
Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 14.7 12.2 18.2

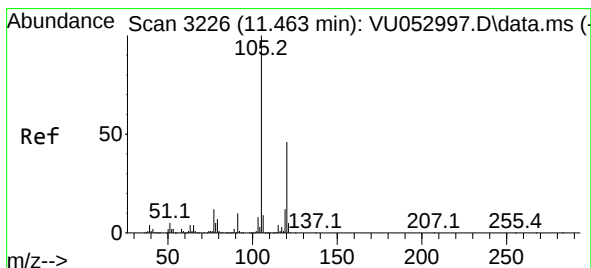
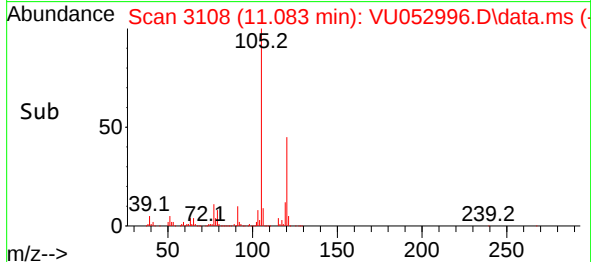
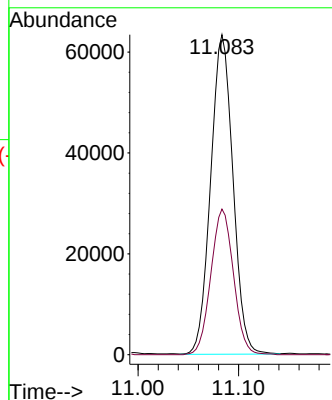
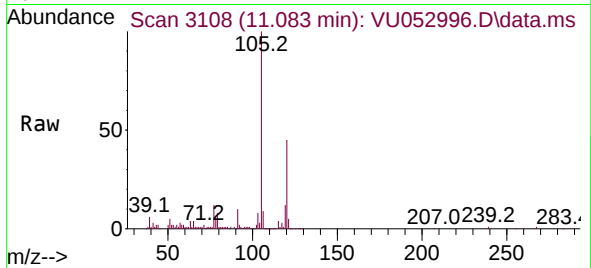




#62
1,3,5-Trimethylbenzene
Concen: 11.323 ug/L
RT: 11.083 min Scan# 3108
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

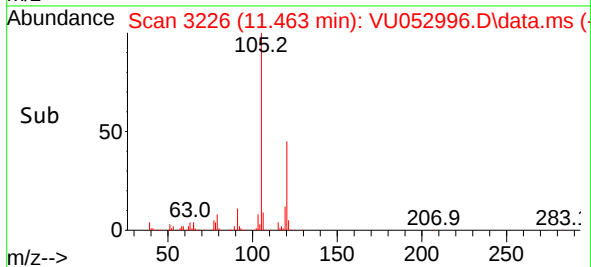
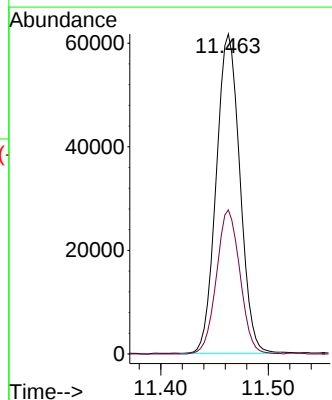
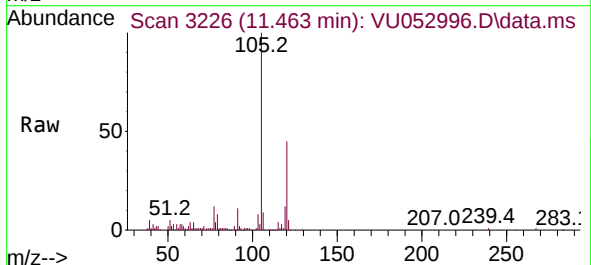
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

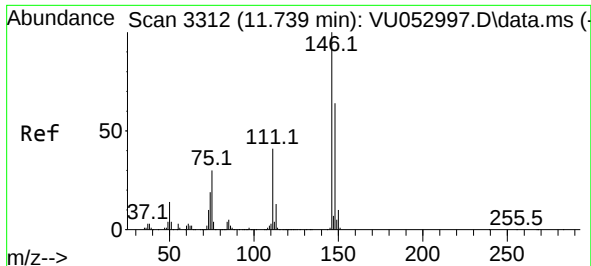
Tgt Ion:105 Resp: 97724
Ion Ratio Lower Upper
105 100
120 46.1 40.4 60.6



#63
1,2,4-Trimethylbenzene
Concen: 11.285 ug/L
RT: 11.463 min Scan# 3226
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion:105 Resp: 94202
Ion Ratio Lower Upper
105 100
120 44.8 38.1 57.1

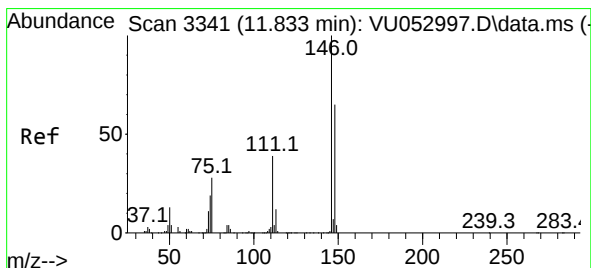
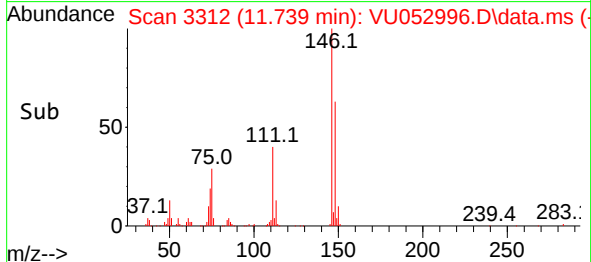
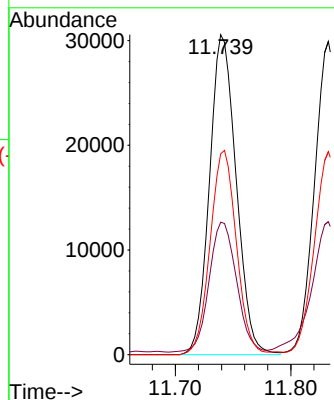
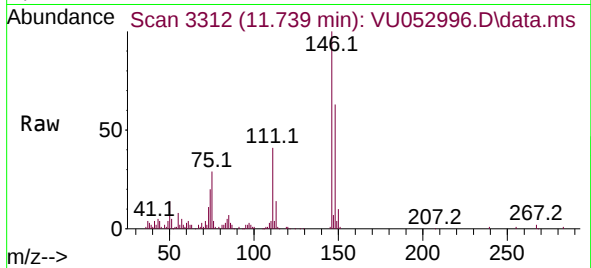




#64
1,3-Dichlorobenzene
Concen: 9.528 ug/L
RT: 11.739 min Scan# 3312
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

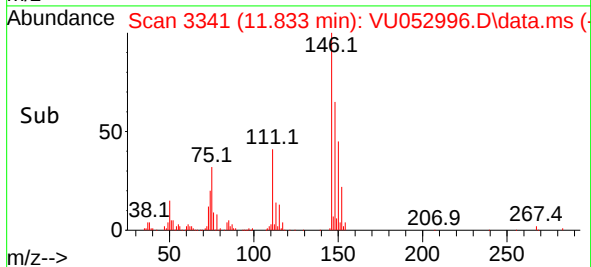
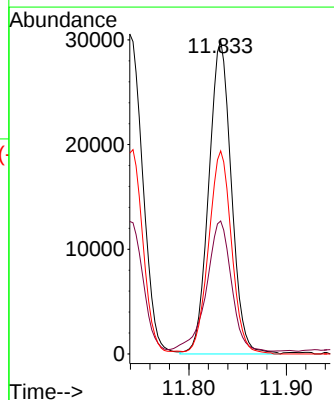
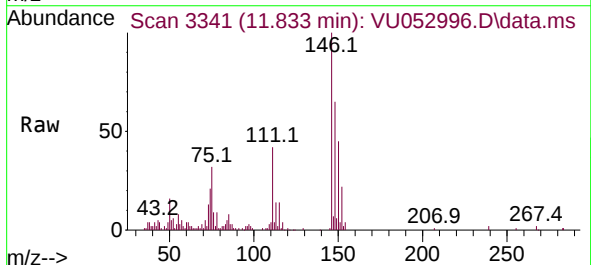
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

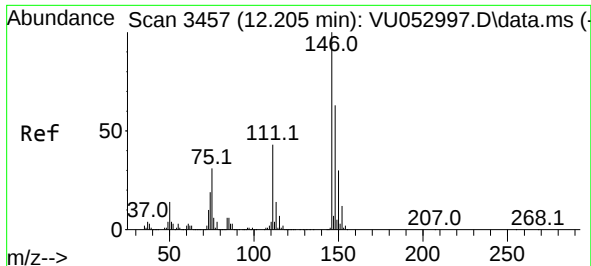
Tgt Ion:146 Resp: 49109
Ion Ratio Lower Upper
146 100
111 41.4 27.8 51.6
148 62.8 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 9.092 ug/L
RT: 11.833 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion:146 Resp: 48274
Ion Ratio Lower Upper
146 100
111 42.4 26.7 49.7
148 64.8 45.6 84.6

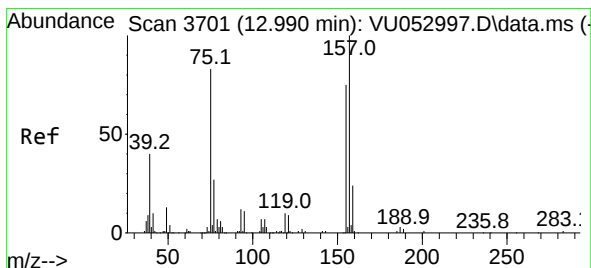
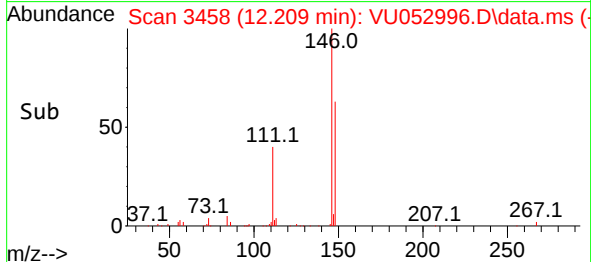
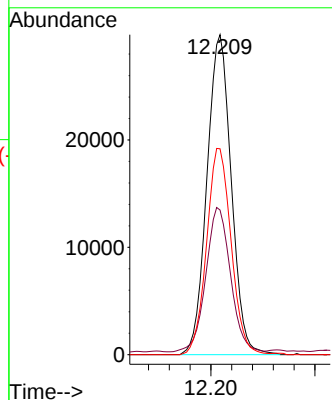
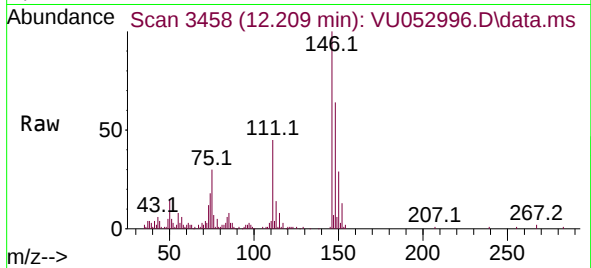




#67
1,2-Dichlorobenzene
Concen: 9.373 ug/L
RT: 12.209 min Scan# 3457
Delta R.T. 0.003 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

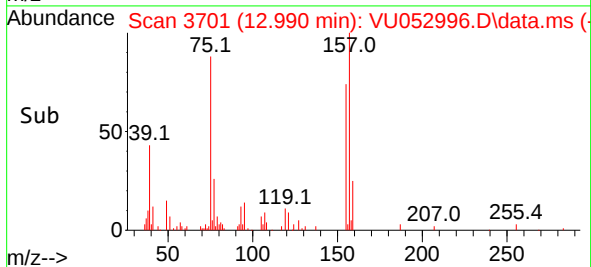
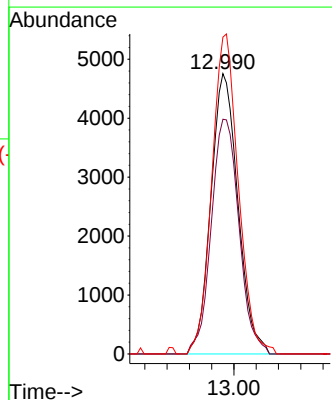
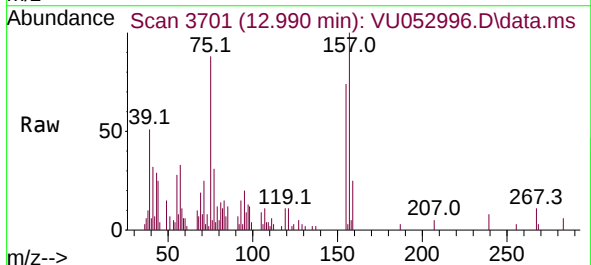
Instrument :
MSVOA_U
ClientSampleId :
VSTD010074

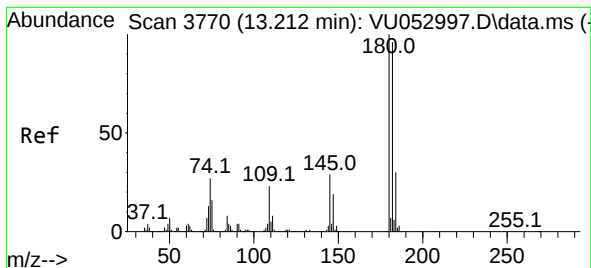
Tgt Ion:	146	Resp:	48475
Ion Ratio	Lower	Upper	
146	100		
111	45.2	33.2	49.8
148	64.4	50.2	75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 9.267 ug/L
RT: 12.990 min Scan# 3701
Delta R.T. 0.000 min
Lab File: VU052996.D
Acq: 08 Feb 2023 12:25

Tgt Ion:	75	Resp:	8023
Ion Ratio	Lower	Upper	
75	100		
155	83.7	69.2	103.8
157	113.0	91.2	136.8





#69

1,3,5-Trichlorobenzene

Concen: 9.615 ug/L

RT: 13.215 min Scan# 3770

Delta R.T. 0.003 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010074

Tgt Ion:180 Resp: 37217

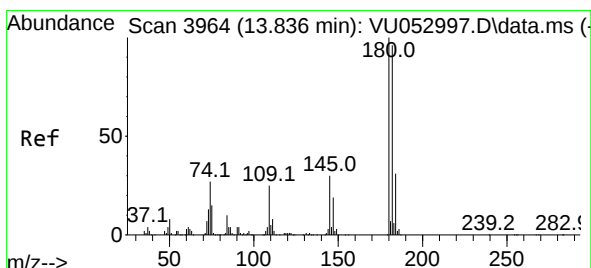
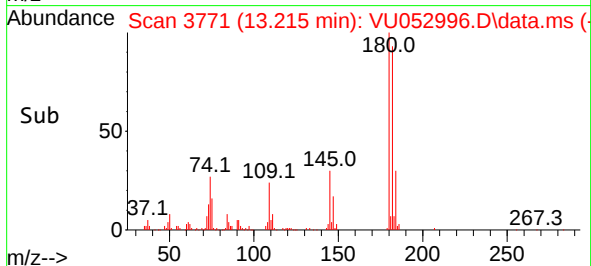
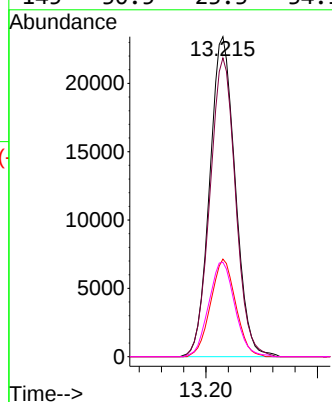
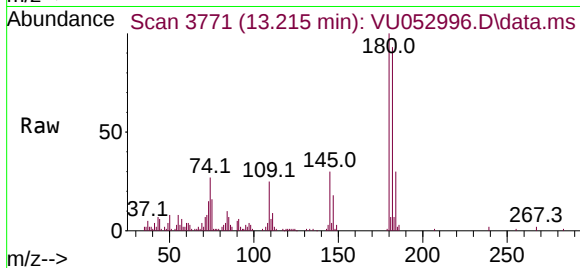
Ion Ratio Lower Upper

180 100

182 93.6 77.0 115.6

184 29.9 24.4 36.6

145 30.5 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 9.832 ug/L

RT: 13.836 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

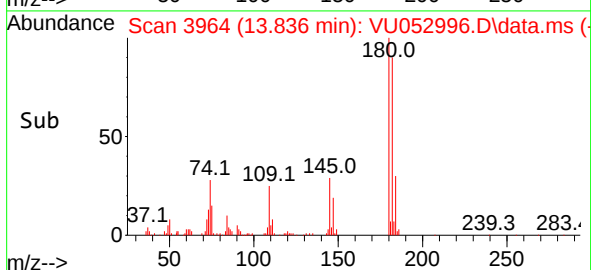
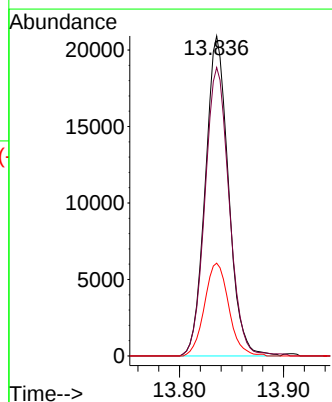
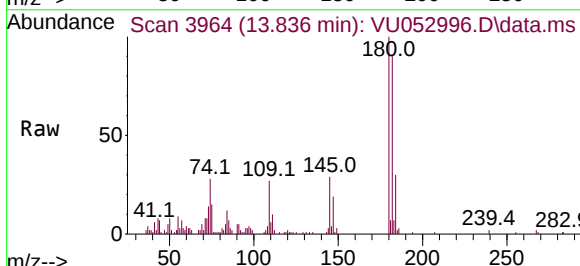
Tgt Ion:180 Resp: 32362

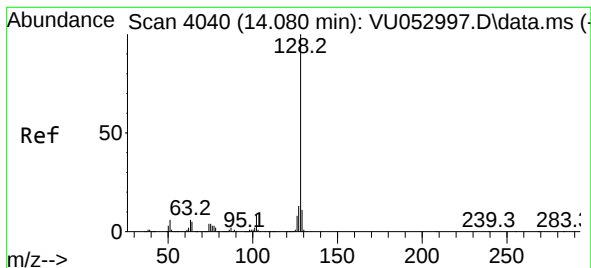
Ion Ratio Lower Upper

180 100

182 93.8 78.2 117.2

145 30.2 23.4 35.2





#71

Naphthalene

Concen: 10.272 ug/L

RT: 14.080 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010074

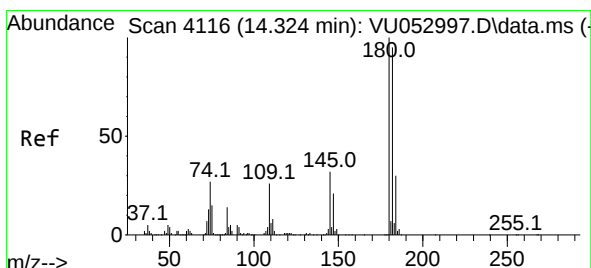
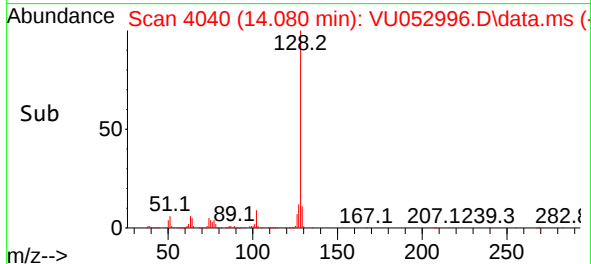
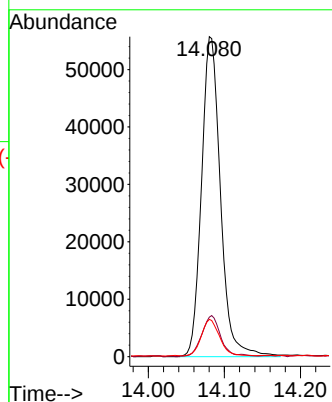
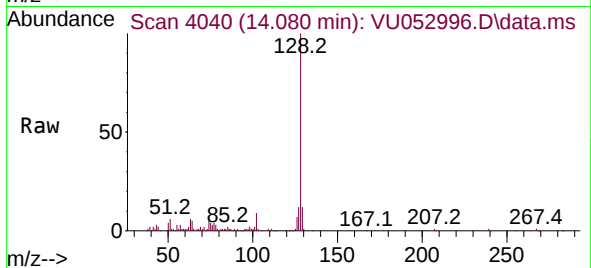
Tgt Ion:128 Resp: 96641

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 9.057 ug/L

RT: 14.324 min Scan# 4116

Delta R.T. 0.000 min

Lab File: VU052996.D

Acq: 08 Feb 2023 12:25

Tgt Ion:180 Resp: 30976

Ion Ratio Lower Upper

180 100

182 98.8 77.5 116.3

145 33.1 24.2 36.4

