

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051822\
 Data File : VU048606.D
 Acq On : 18 May 2022 10:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050132

Quant Time: May 19 05:59:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 18 05:17:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	226402	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	227446	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	139366	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	57529	41.486	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.980%
7) Chloroethane-d5	1.912	69	46181	44.452	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.900%
11) 1,1-Dichloroethene-d2	2.572	63	144497	46.075	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.160%
21) 2-Butanone-d5	4.620	46	113732	86.186	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.190%
24) Chloroform-d	5.067	84	169962	48.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.703	65	120698	48.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.640%
32) Benzene-d6	5.729	84	287925	45.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.980%
36) 1,2-Dichloropropane-d6	6.694	67	82274	44.274	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.540%
41) Toluene-d8	7.899	98	276730	46.478	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.960%
43) trans-1,3-Dichloroprop...	8.182	79	42827	36.041	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.080%
47) 2-Hexanone-d5	8.632	63	83246	81.685	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	138380	45.002	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	127878	44.885	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	117849	48.437	ug/L	98
3) Chloromethane	1.523	50	69509	46.302	ug/L	95
5) Vinyl chloride	1.607	62	74485	46.642	ug/L	100
6) Bromomethane	1.855	94	52664	45.680	ug/L	99
8) Chloroethane	1.932	64	44703	47.559	ug/L	100
9) Trichlorofluoromethane	2.141	101	158395	50.808	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	78711	49.513	ug/L	97
12) 1,1-Dichloroethene	2.581	96	72322	49.097	ug/L	96
13) Acetone	2.623	43	85939	80.160	ug/L	99
14) Carbon disulfide	2.797	76	201567	47.153	ug/L	99
15) Methyl Acetate	2.948	43	84816	46.354	ug/L	98
16) Methylene chloride	3.047	84	83619	48.760	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	77359	48.692	ug/L	94
18) Methyl tert-butyl Ether	3.362	73	275294	49.943	ug/L	99
19) 1,1-Dichloroethane	3.870	63	143410	49.304	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	87965	49.096	ug/L	96
22) 2-Butanone	4.697	43	117332	86.194	ug/L	99
23) Bromochloromethane	4.977	128	49373	49.660	ug/L	93
25) Chloroform	5.089	83	176023	51.846	ug/L	100

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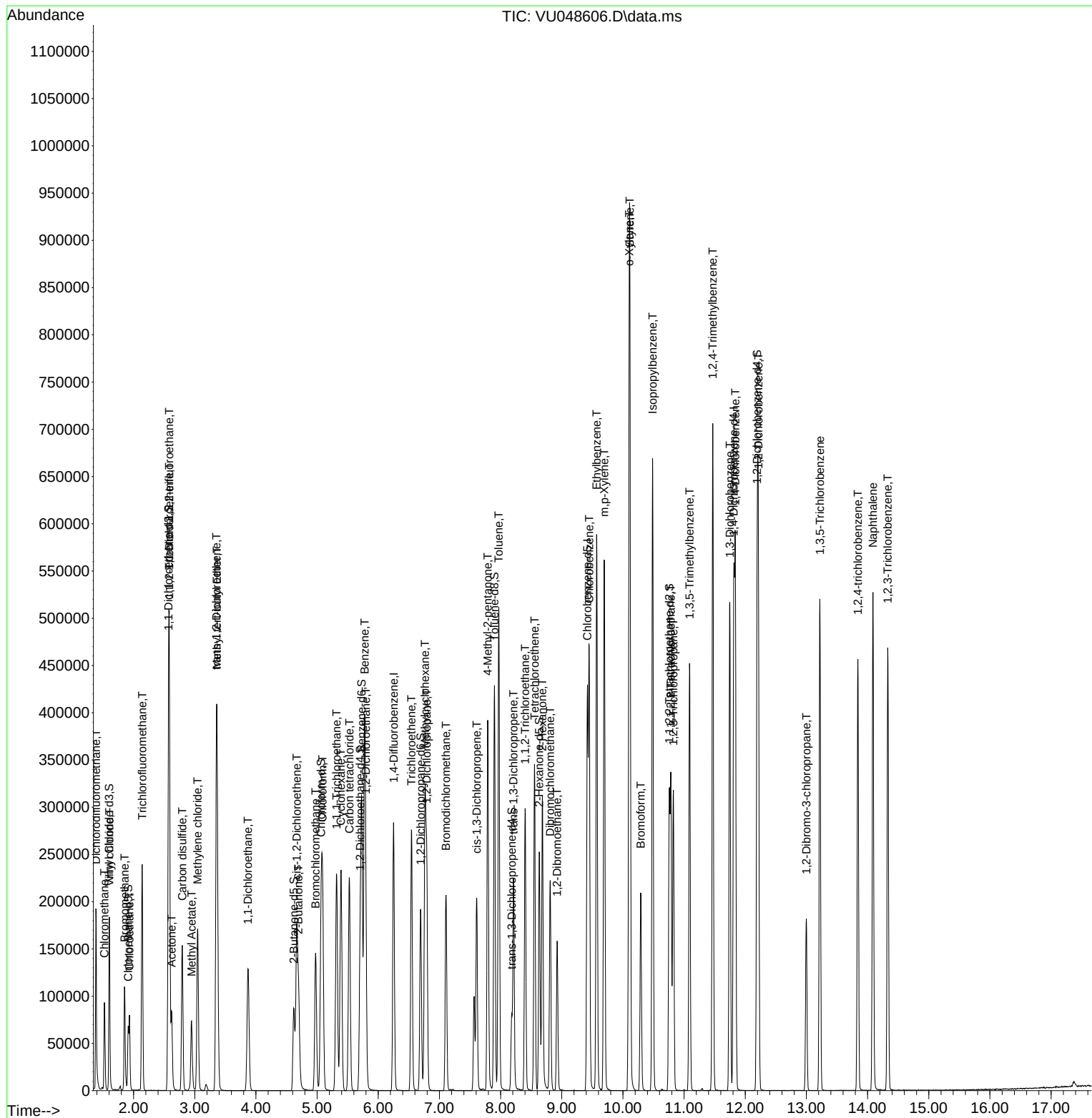
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	153084	52.562	ug/L	99
29) Cyclohexane	5.391	56	104428	44.701	ug/L	94
30) 1,1,1-Trichloroethane	5.317	97	173534	50.389	ug/L	98
31) Carbon tetrachloride	5.526	117	159293	50.753	ug/L	98
33) Benzene	5.777	78	320095	48.171	ug/L	100
34) Trichloroethene	6.542	95	90803	48.299	ug/L	99
35) Methylcyclohexane	6.764	83	123730	45.863	ug/L	99
37) 1,2-Dichloropropane	6.793	63	79318	47.738	ug/L	99
38) Bromodichloromethane	7.108	83	135764	50.502	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	116518	41.074	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	226531	89.341	ug/L	98
42) Toluene	7.970	91	359737	49.669	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	124439	41.595	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	86498	48.613	ug/L	96
46) Tetrachloroethene	8.555	164	76345	49.765	ug/L	98
48) 2-Hexanone	8.684	43	175283	80.683	ug/L	98
49) Dibromochloromethane	8.812	129	116420	50.891	ug/L	98
50) 1,2-Dibromoethane	8.925	107	101306	49.333	ug/L	96
51) Chlorobenzene	9.449	112	248716	49.237	ug/L	98
52) Ethylbenzene	9.571	91	405135	48.948	ug/L	99
53) m,p-Xylene	9.697	106	164974	49.598	ug/L	99
54) o-Xylene	10.102	106	158634	49.782	ug/L	98
55) Styrene	10.115	104	279078	50.371	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	141031	45.861	ug/L	95
59) Bromoform	10.291	173	95590	49.897	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	128314	46.424	ug/L	97
61) Isopropylbenzene	10.484	105	424171	49.420	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	243620	49.927	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	382481	50.408	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	216746	48.969	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	220729	48.057	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	219240	48.698	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	48921	45.778	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	161589	45.803	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	143652	45.021	ug/L	100
71) Naphthalene	14.089	128	418089	39.738	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	141209	44.079	ug/L	97

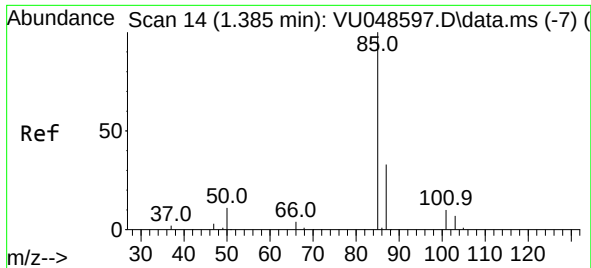
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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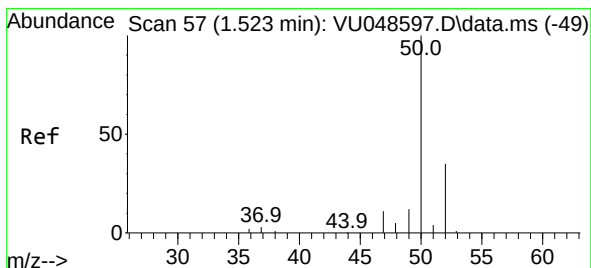
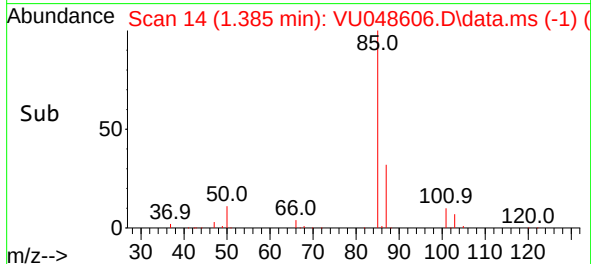
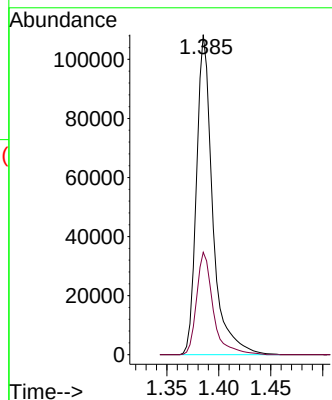
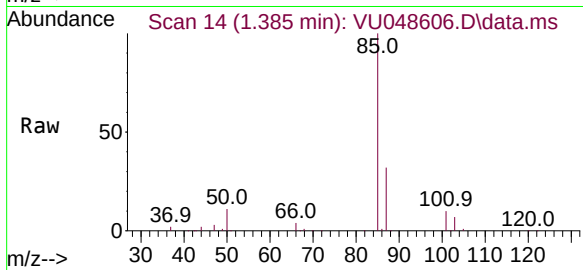




#2
 Dichlorodifluoromethane
 Concen: 48.437 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

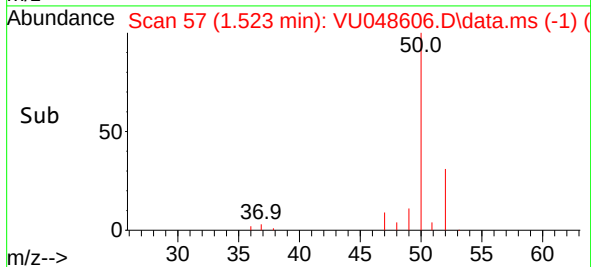
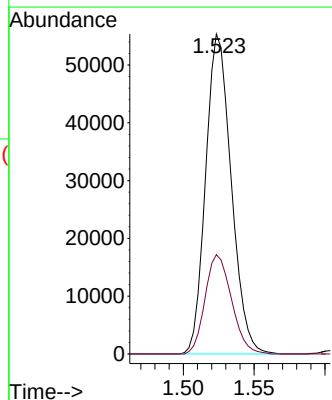
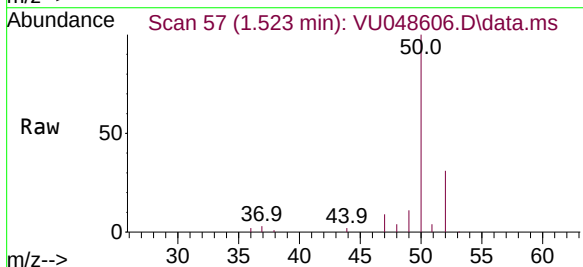
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050132

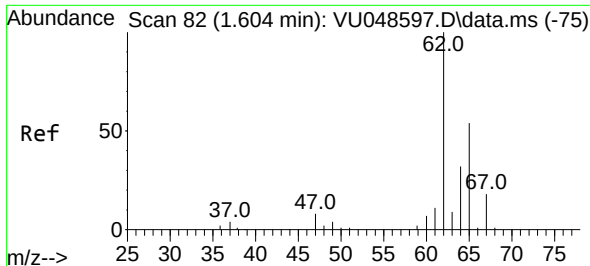
Tgt Ion: 85 Resp: 117849
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.4 38.2



#3
 Chloromethane
 Concen: 46.302 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

Tgt Ion: 50 Resp: 69509
 Ion Ratio Lower Upper
 50 100
 52 31.1 23.8 44.2

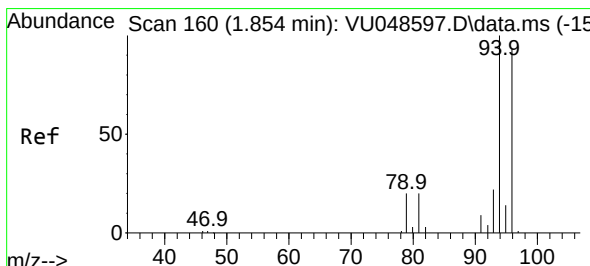
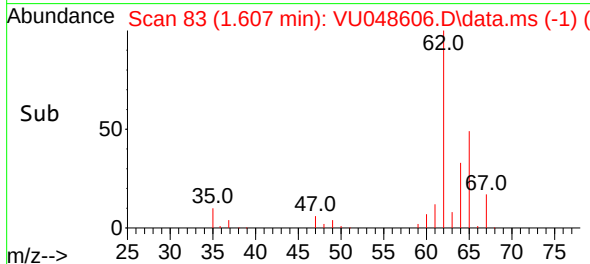
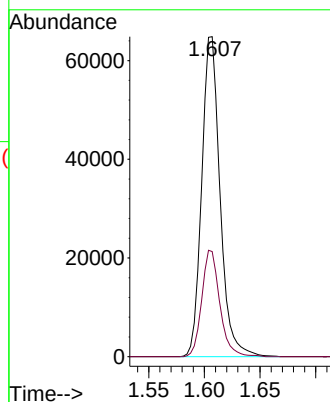
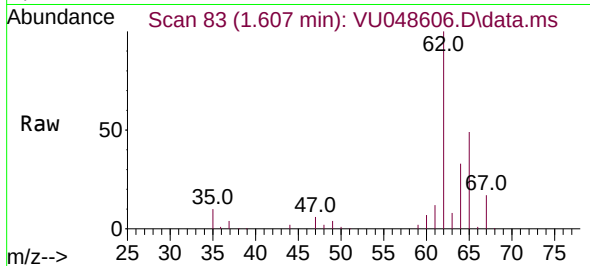




#5
 Vinyl chloride
 Concen: 46.642 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

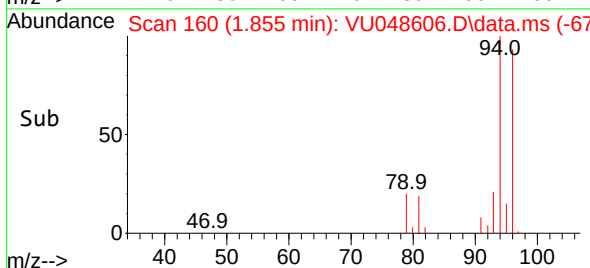
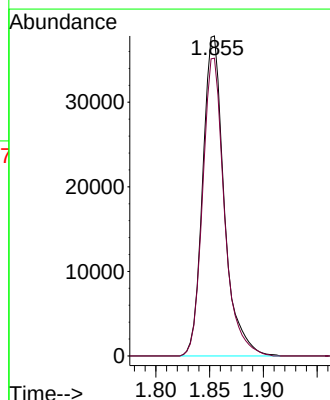
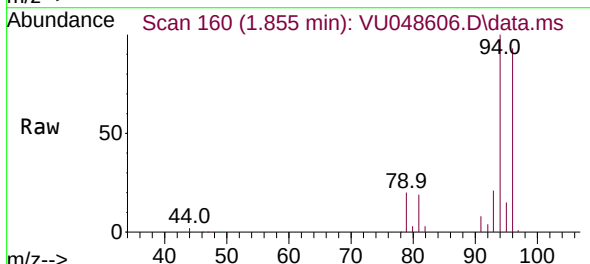
Instrument :
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 ClientSampleId :
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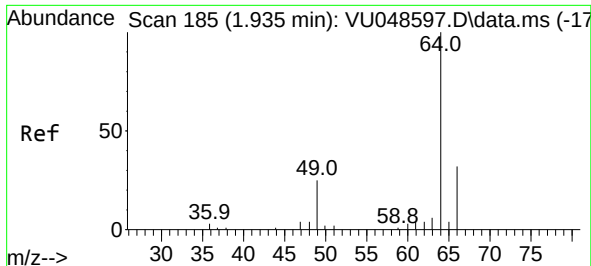
Tgt Ion: 62 Resp: 74485
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5



#6
 Bromomethane
 Concen: 45.680 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

Tgt Ion: 94 Resp: 52664
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.7 121.9

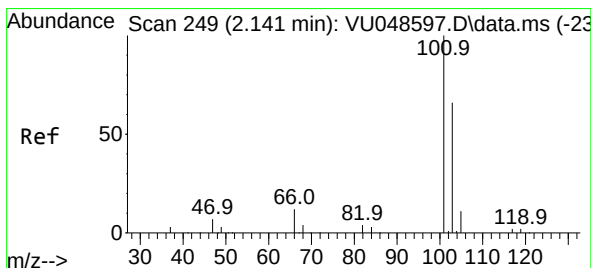
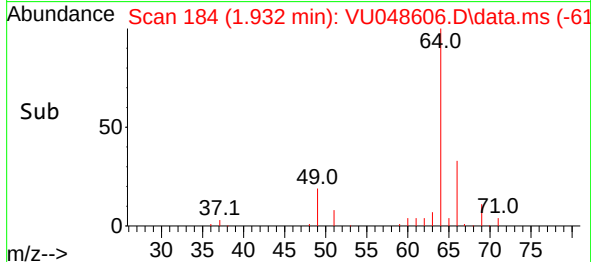
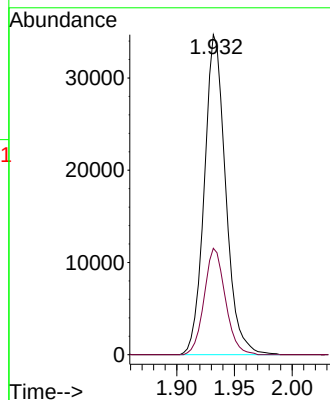
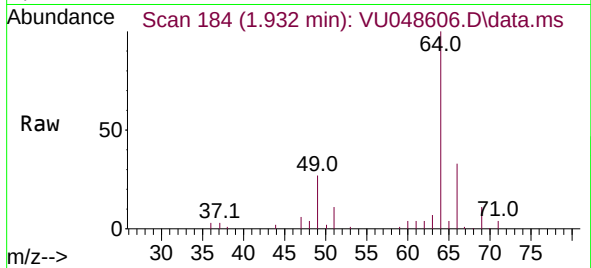




#8
Chloroethane
Concen: 47.559 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

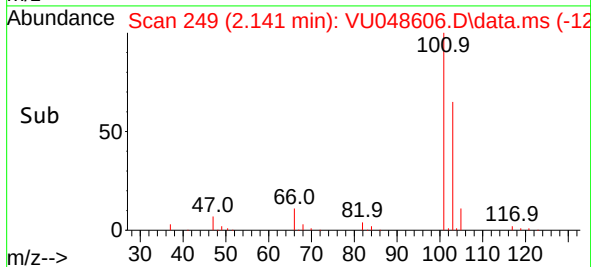
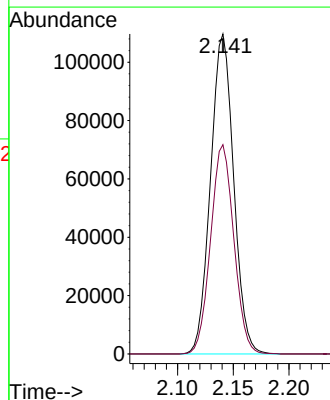
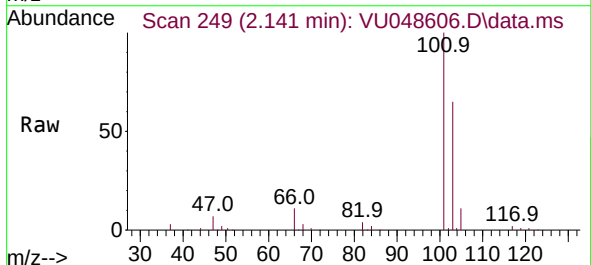
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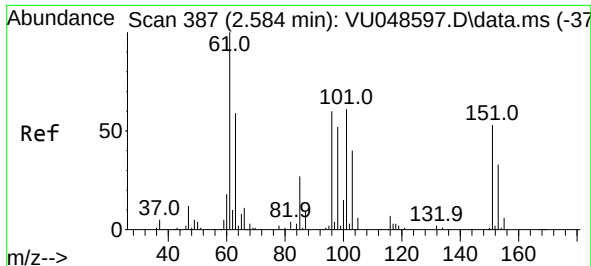
Tgt Ion: 64 Resp: 44703
Ion Ratio Lower Upper
64 100
66 33.3 23.1 42.9



#9
Trichlorofluoromethane
Concen: 50.808 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion:101 Resp: 158395
Ion Ratio Lower Upper
101 100
103 65.7 51.6 77.4

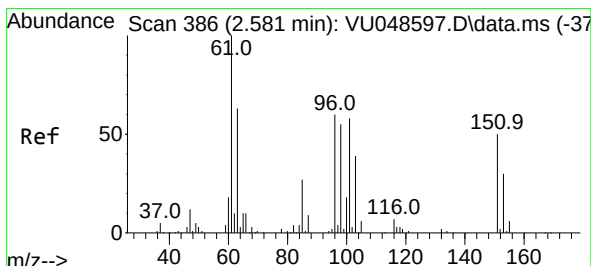
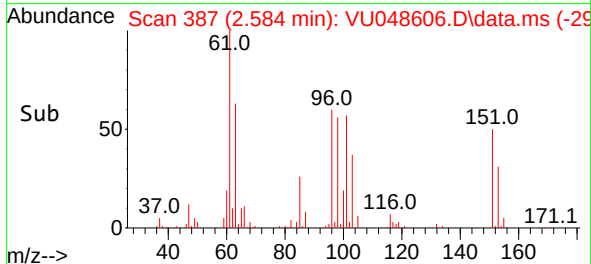
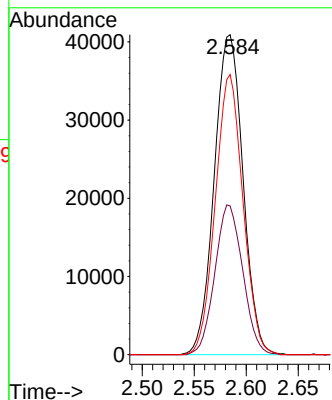
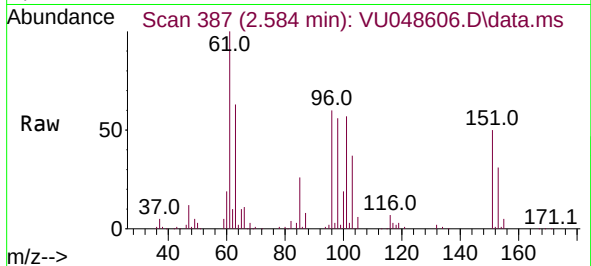




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.513 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

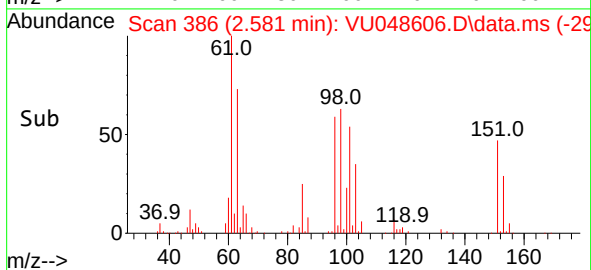
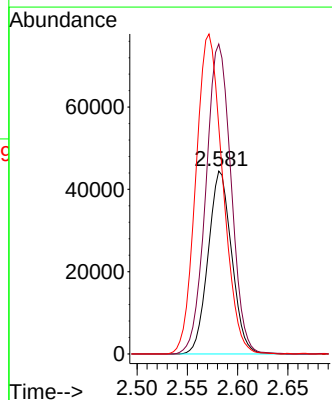
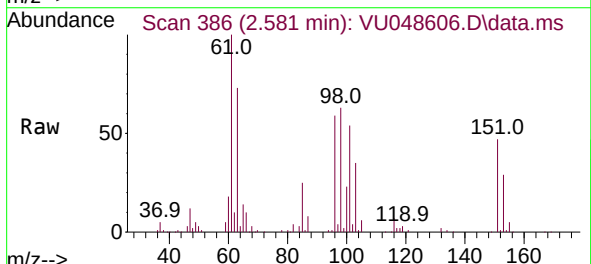
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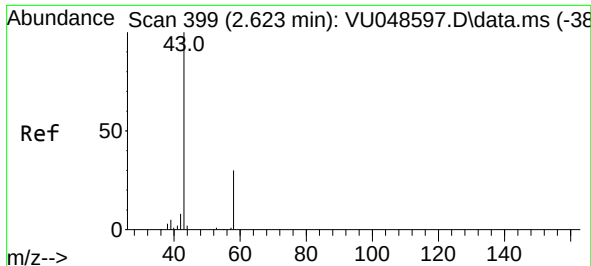
Tgt Ion:101 Resp: 78711
 Ion Ratio Lower Upper
 101 100
 85 45.4 35.7 53.5
 151 84.4 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 49.097 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

Tgt Ion: 96 Resp: 72322
 Ion Ratio Lower Upper
 96 100
 61 169.4 120.6 224.0
 63 124.4 82.3 152.9





#13

Acetone

Concen: 80.160 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

Instrument :

MSVOA_U

ClientSampleId :

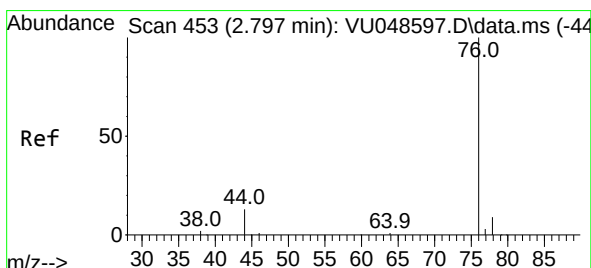
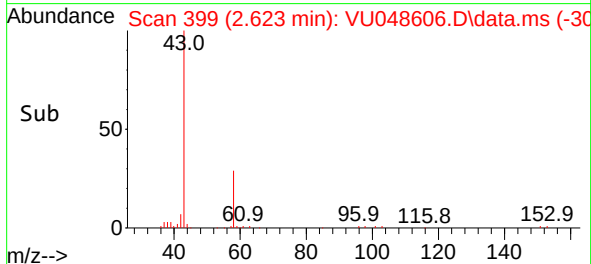
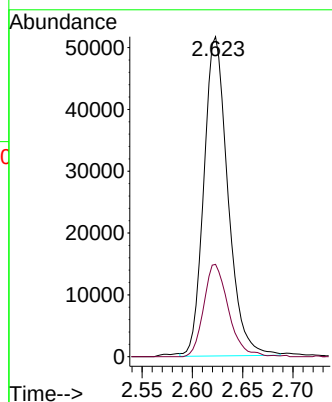
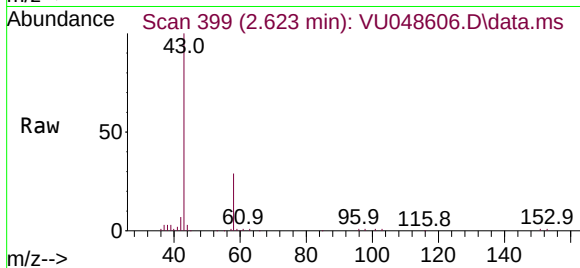
VSTD050132

Tgt Ion: 43 Resp: 85939

Ion Ratio Lower Upper

43 100

58 29.1 0.0 59.8



#14

Carbon disulfide

Concen: 47.153 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU048606.D

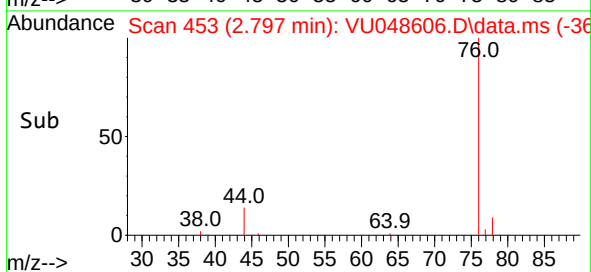
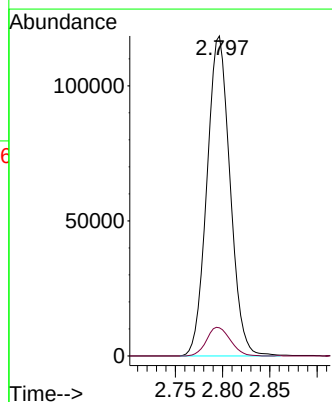
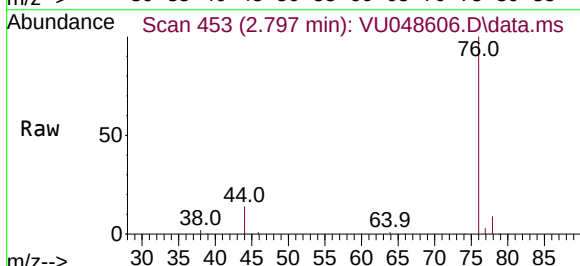
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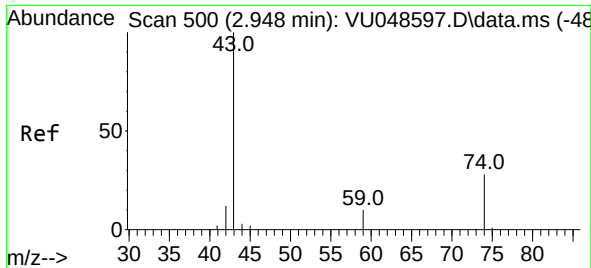
Tgt Ion: 76 Resp: 201567

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

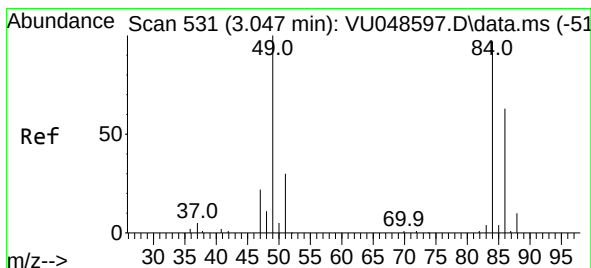
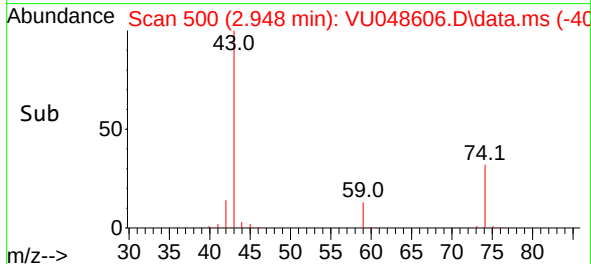
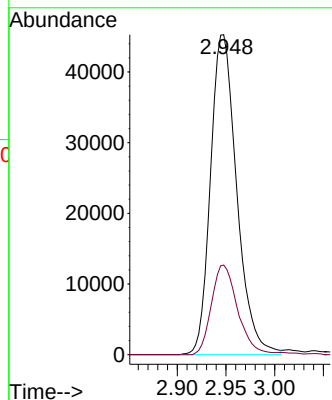
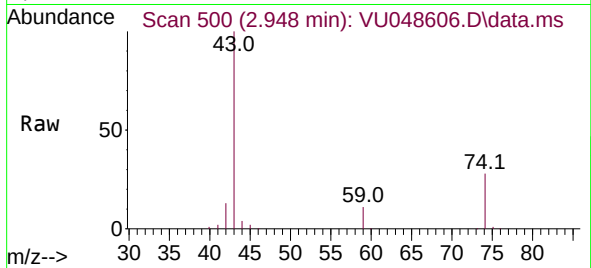




#15
Methyl Acetate
Concen: 46.354 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

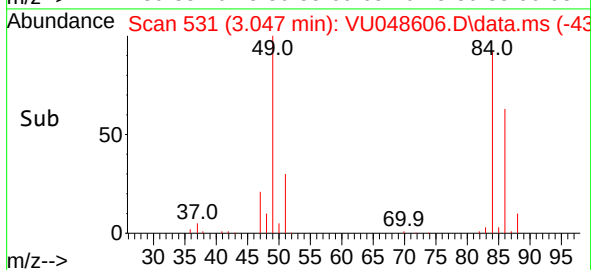
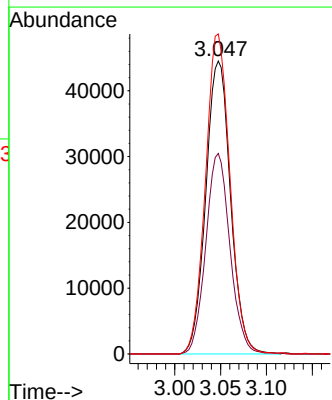
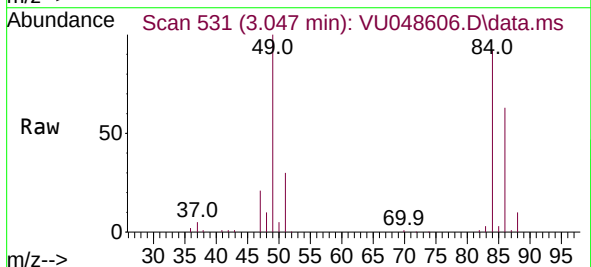
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

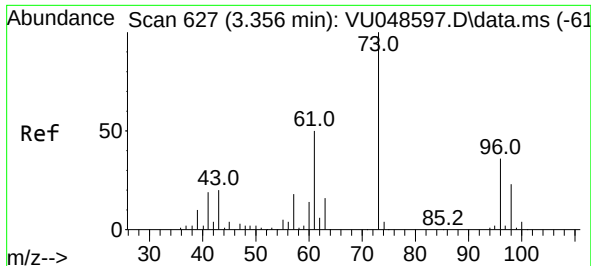
Tgt Ion: 43 Resp: 84816
Ion Ratio Lower Upper
43 100
74 27.9 21.7 32.5



#16
Methylene chloride
Concen: 48.760 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion: 84 Resp: 83619
Ion Ratio Lower Upper
84 100
86 68.4 43.5 80.9
49 109.2 76.4 141.8

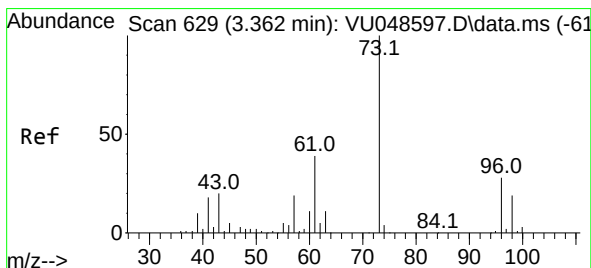
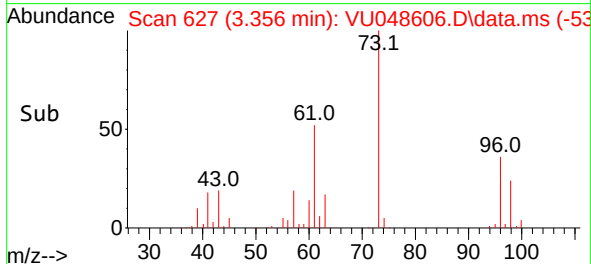
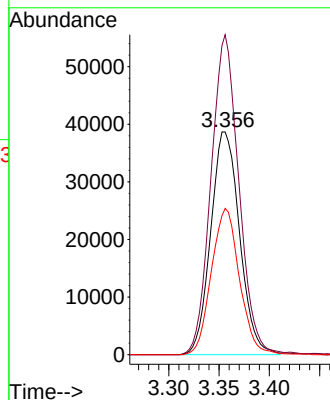
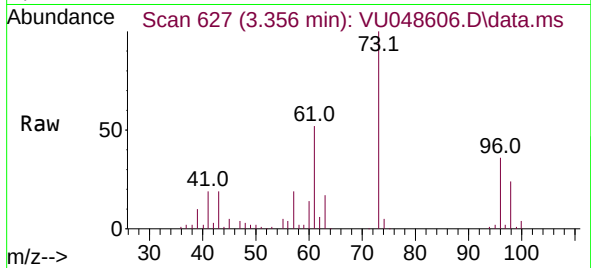




#17
trans-1,2-Dichloroethene
Concen: 48.692 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

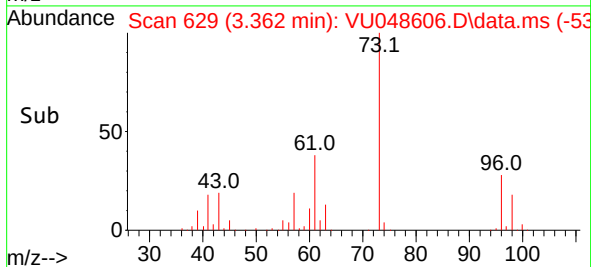
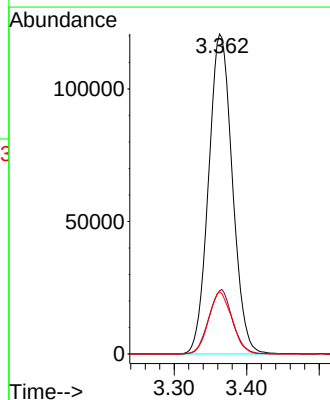
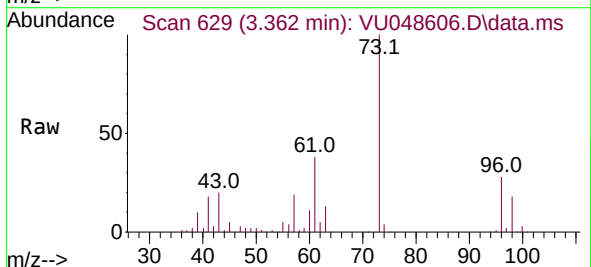
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

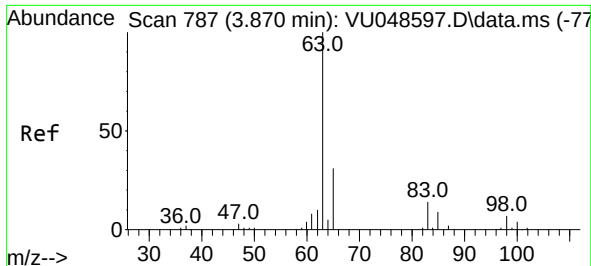
Tgt Ion: 96 Resp: 77359
Ion Ratio Lower Upper
96 100
61 143.6 94.2 175.0
98 65.6 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 49.943 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion: 73 Resp: 275294
Ion Ratio Lower Upper
73 100
43 19.9 16.2 24.4
57 19.1 15.7 23.5





#19

1,1-Dichloroethane

Concen: 49.304 ug/L

RT: 3.870 min Scan# 787

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050132

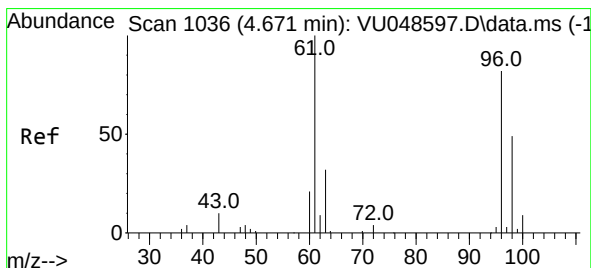
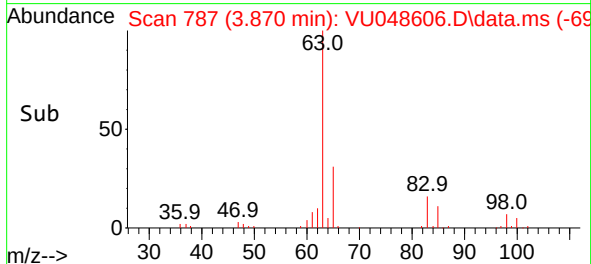
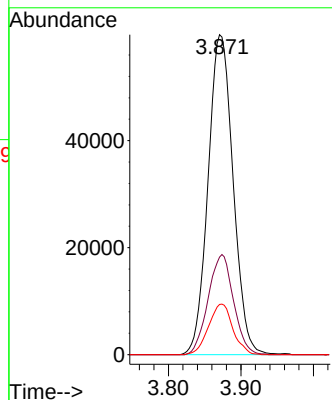
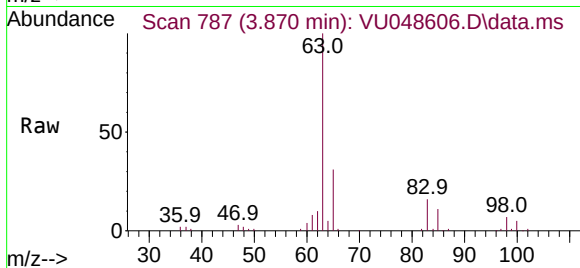
Tgt Ion: 63 Resp: 143410

Ion Ratio Lower Upper

63 100

65 30.5 21.8 40.6

83 15.7 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 49.096 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

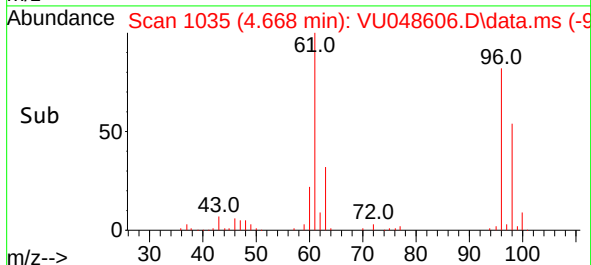
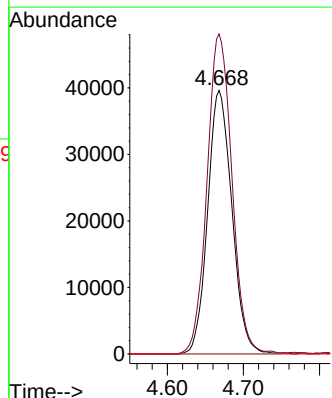
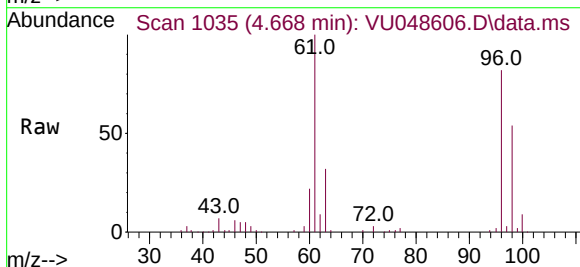
Tgt Ion: 96 Resp: 87965

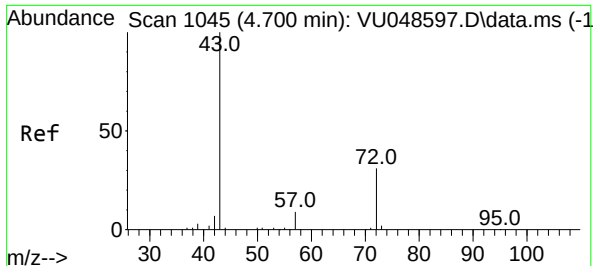
Ion Ratio Lower Upper

96 100

61 121.4 88.3 164.1

68 0.0 0.0 0.0

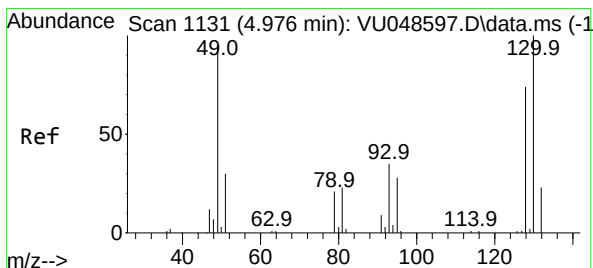
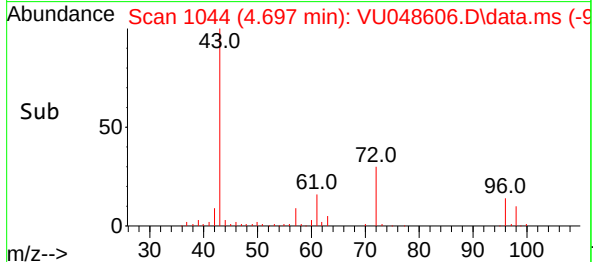
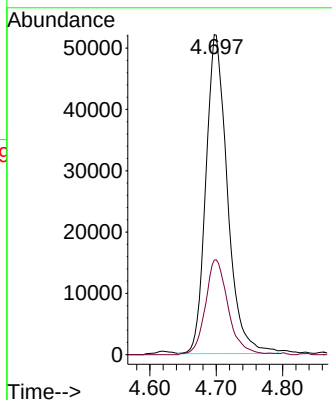
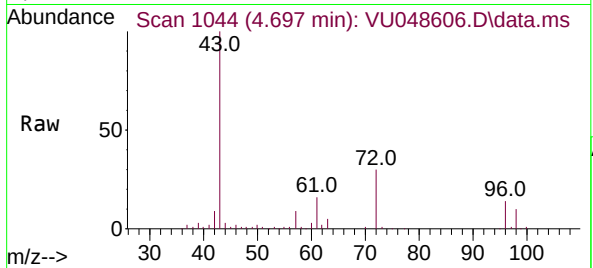




#22
2-Butanone
Concen: 86.194 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.003 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

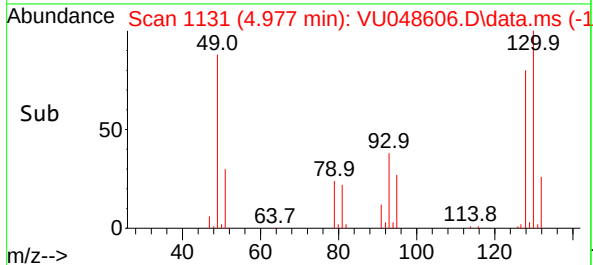
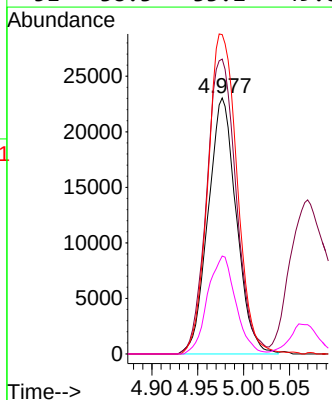
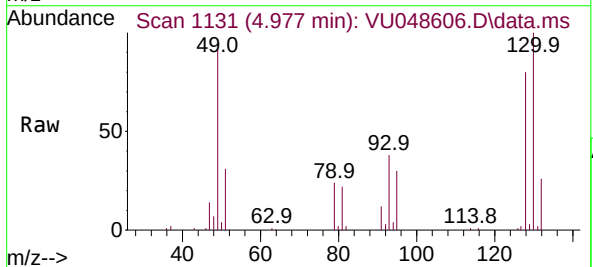
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

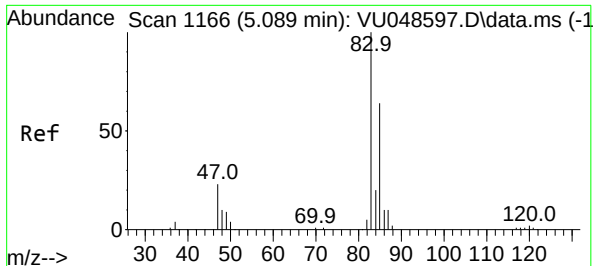
Tgt Ion: 43 Resp: 117332
Ion Ratio Lower Upper
43 100
72 31.4 15.4 46.2



#23
Bromochloromethane
Concen: 49.660 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion: 128 Resp: 49373
Ion Ratio Lower Upper
128 100
49 115.2 91.9 170.7
130 124.8 88.4 164.2
51 38.3 33.2 49.8





#25

Chloroform

Concen: 51.846 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

Instrument :

MSVOA_U

ClientSampleId :

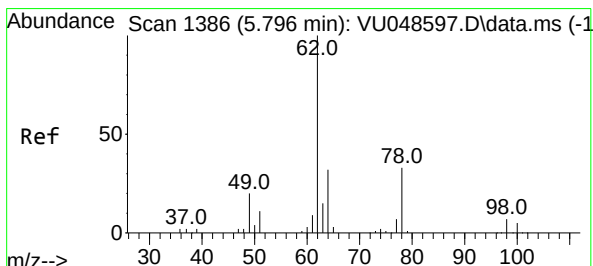
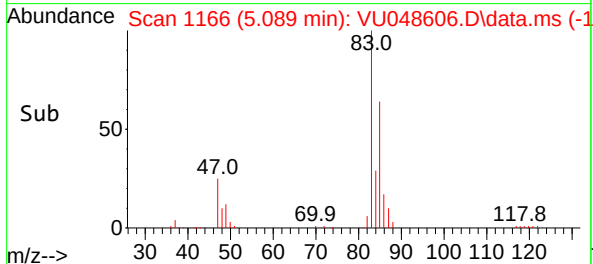
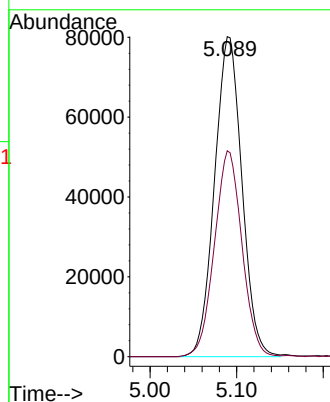
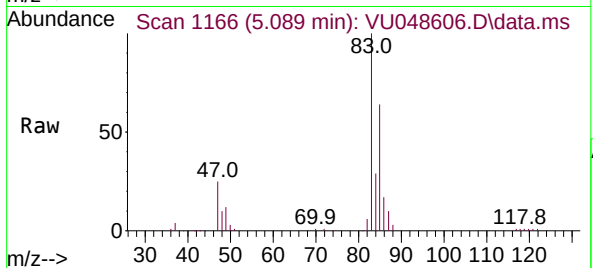
VSTD050132

Tgt Ion: 83 Resp: 176023

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7



#27

1,2-Dichloroethane

Concen: 52.562 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU048606.D

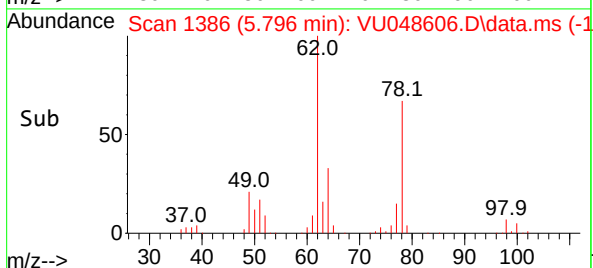
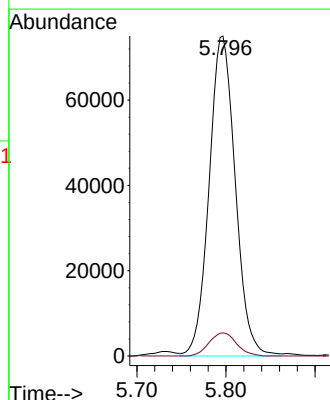
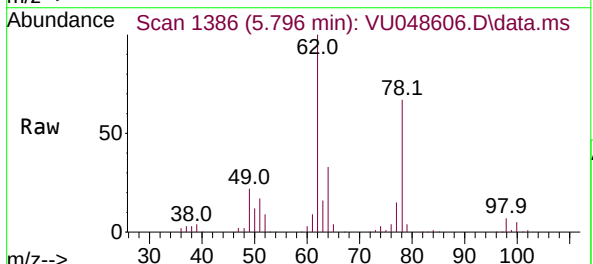
Acq: 18 May 2022 10:23

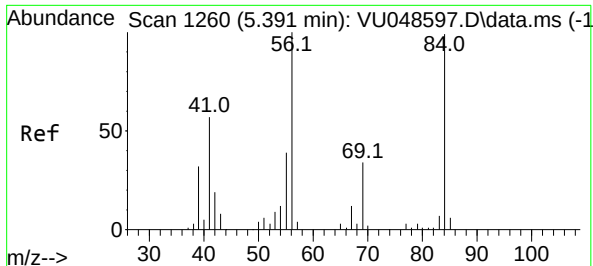
Tgt Ion: 62 Resp: 153084

Ion Ratio Lower Upper

62 100

98 7.2 6.0 9.0





#29

Cyclohexane

Concen: 44.701 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050132

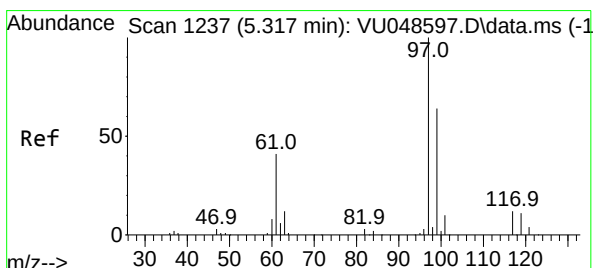
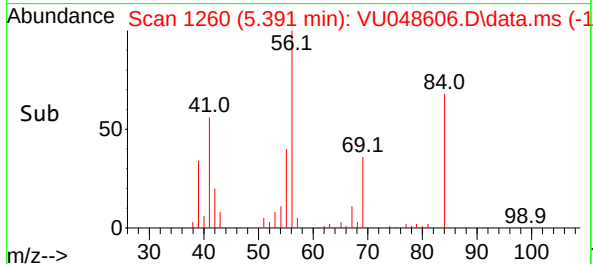
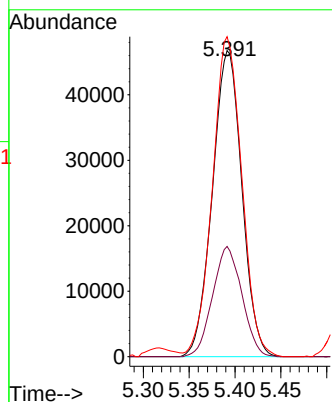
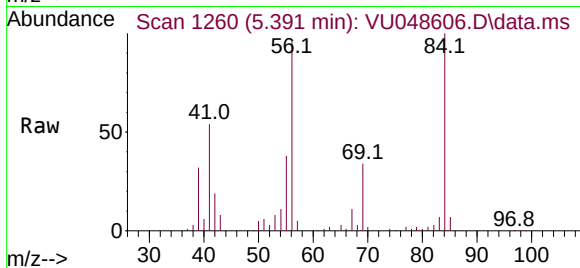
Tgt Ion: 56 Resp: 104428

Ion Ratio Lower Upper

56 100

69 35.7 26.5 39.7

84 104.0 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 50.389 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

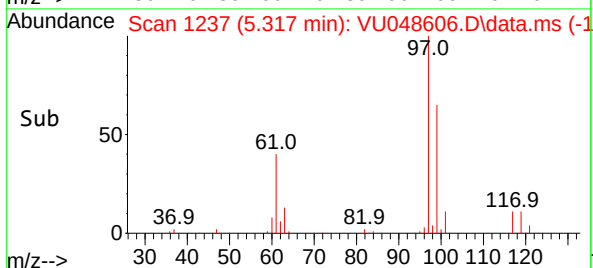
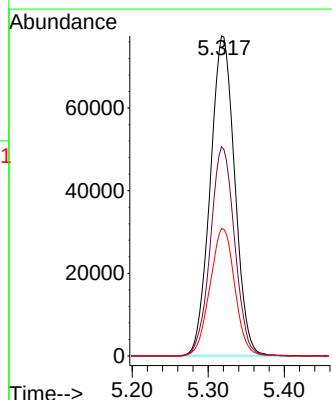
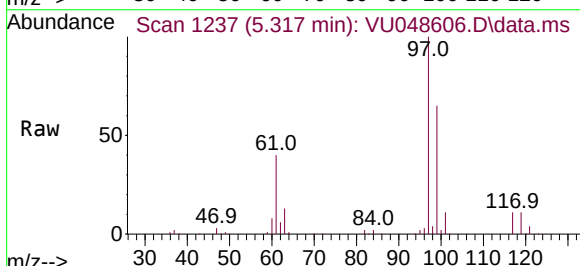
Tgt Ion: 97 Resp: 173534

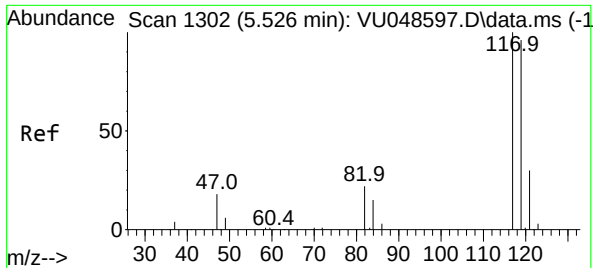
Ion Ratio Lower Upper

97 100

99 64.8 50.3 75.5

61 40.3 32.6 48.8

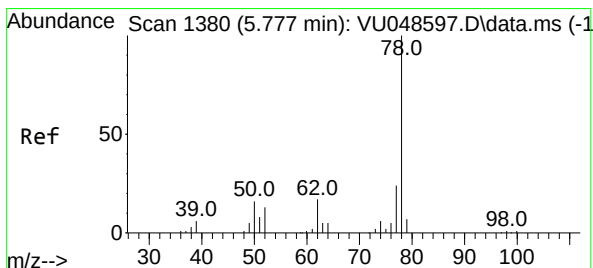
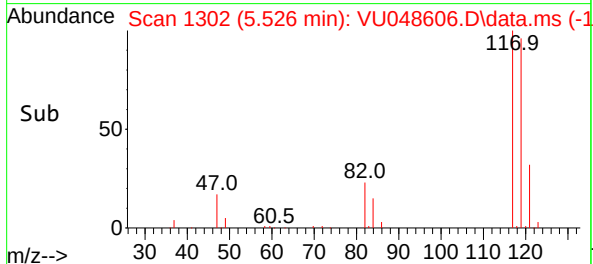
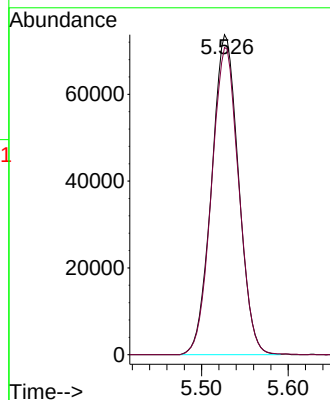
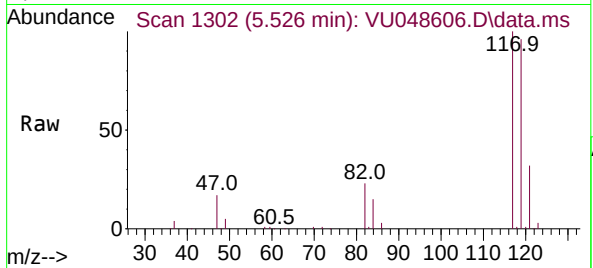




#31
Carbon tetrachloride
Concen: 50.753 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

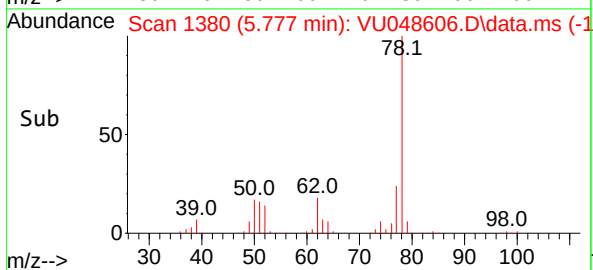
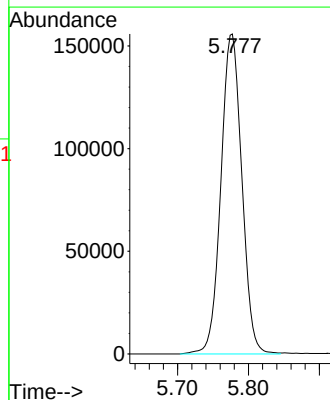
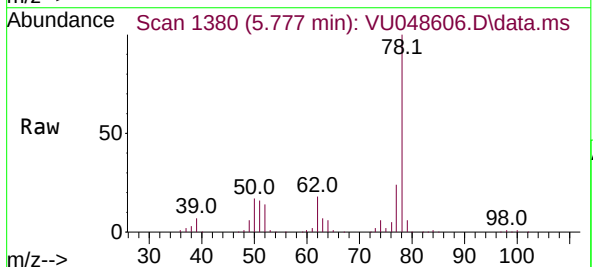
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

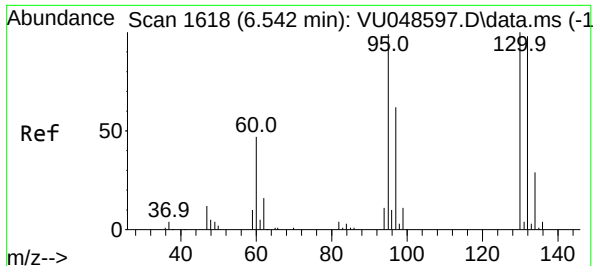
Tgt Ion:117 Resp: 159293
Ion Ratio Lower Upper
117 100
119 96.9 76.0 114.0



#33
Benzene
Concen: 48.171 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion: 78 Resp: 320095

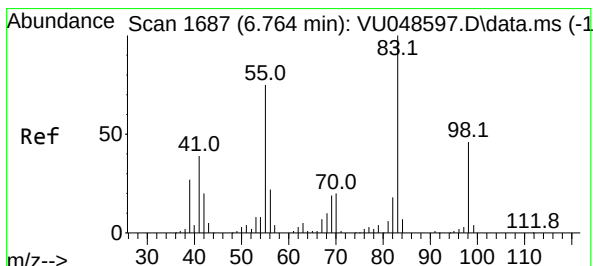
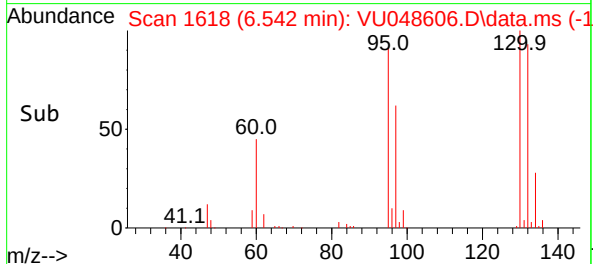
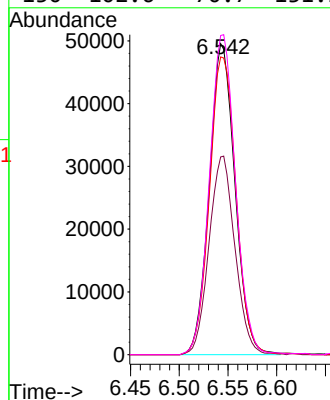
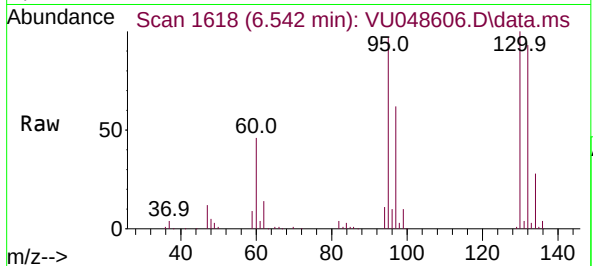




#34
Trichloroethene
Concen: 48.299 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

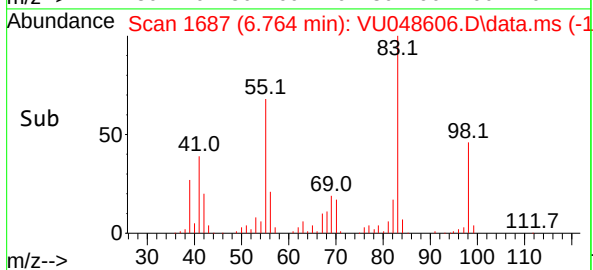
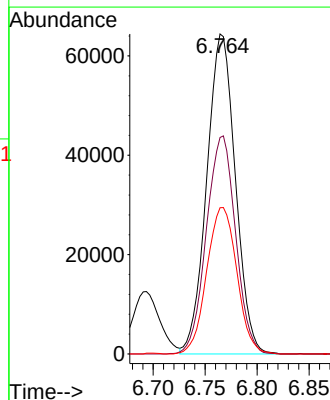
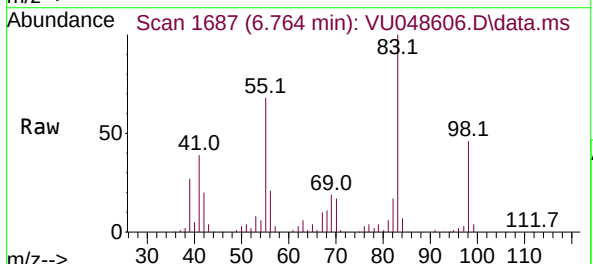
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

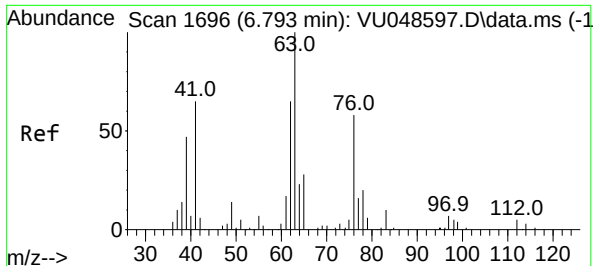
Tgt Ion: 95 Resp: 90803
Ion Ratio Lower Upper
95 100
97 63.6 45.2 84.0
132 95.8 67.3 124.9
130 102.6 70.7 131.3



#35
Methylcyclohexane
Concen: 45.863 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion: 83 Resp: 123730
Ion Ratio Lower Upper
83 100
55 69.5 56.2 84.4
98 48.1 38.2 57.2





#37

1,2-Dichloropropane

Concen: 47.738 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

Instrument :

MSVOA_U

ClientSampleId :

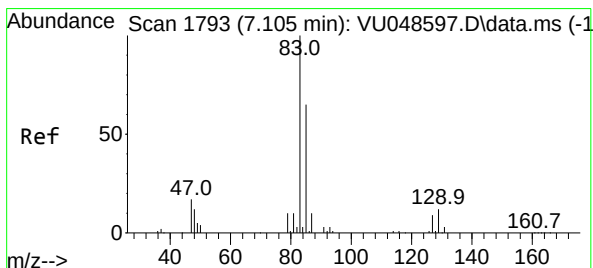
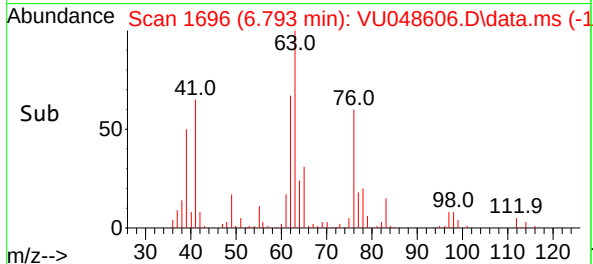
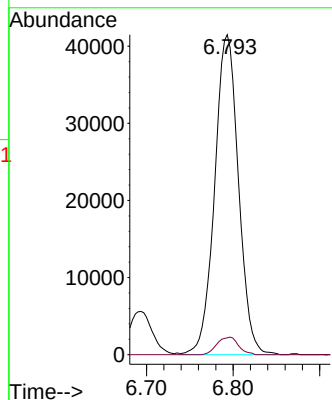
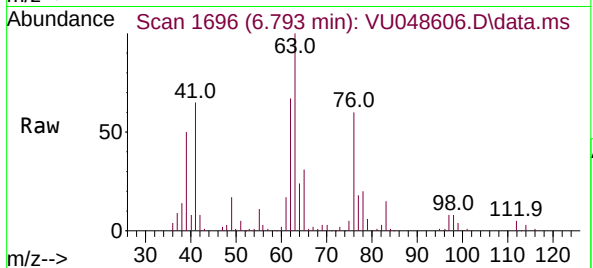
VSTD050132

Tgt Ion: 63 Resp: 79318

Ion Ratio Lower Upper

63 100

112 4.9 3.7 5.5



#38

Bromodichloromethane

Concen: 50.502 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

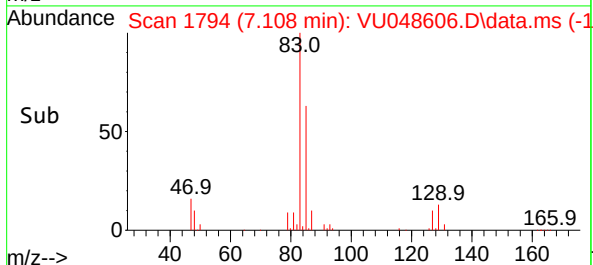
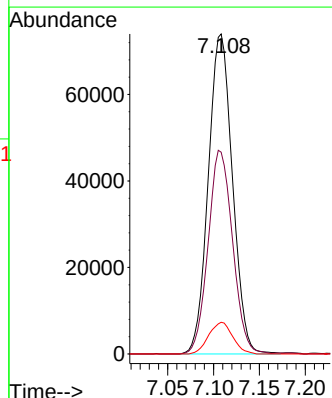
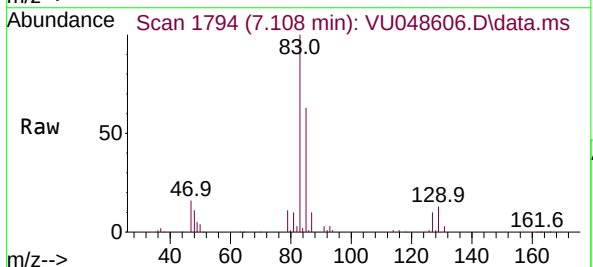
Tgt Ion: 83 Resp: 135764

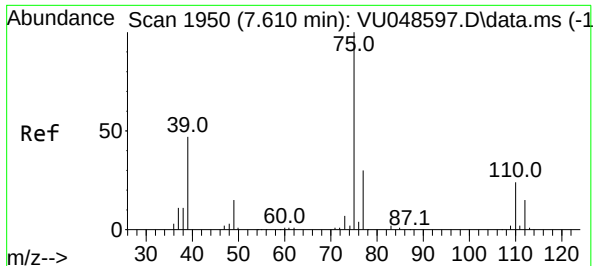
Ion Ratio Lower Upper

83 100

85 63.1 46.1 85.5

127 9.9 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 41.074 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

Instrument :

MSVOA_U

ClientSampleId :

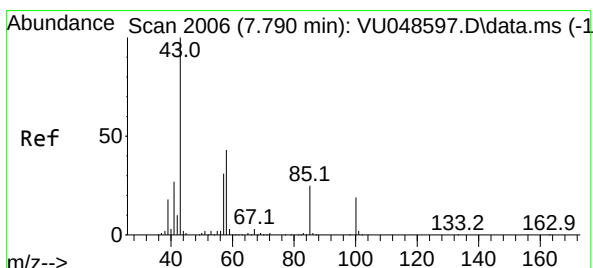
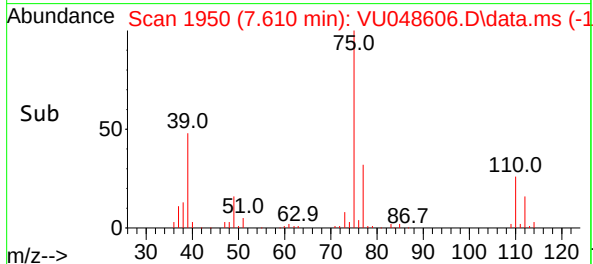
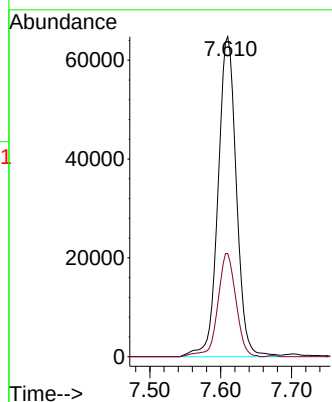
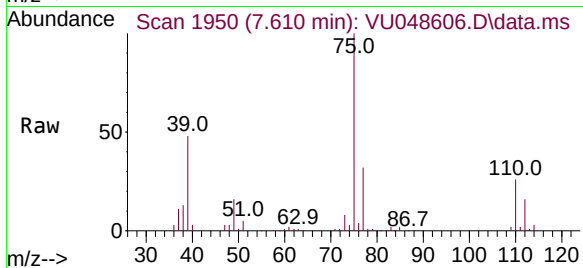
VSTD050132

Tgt Ion: 75 Resp: 116518

Ion Ratio Lower Upper

75 100

77 32.3 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 89.341 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

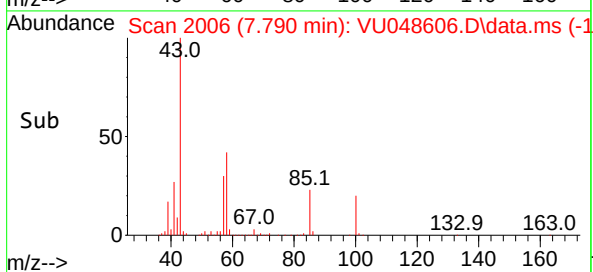
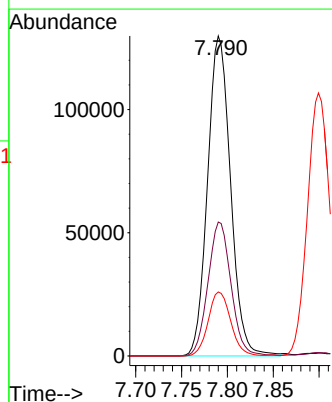
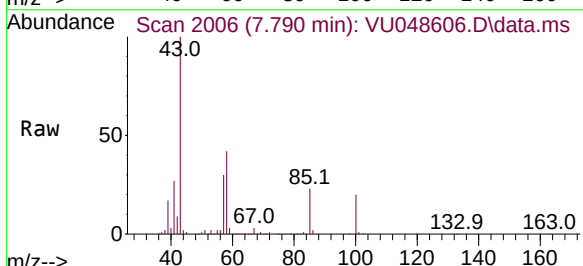
Tgt Ion: 43 Resp: 226531

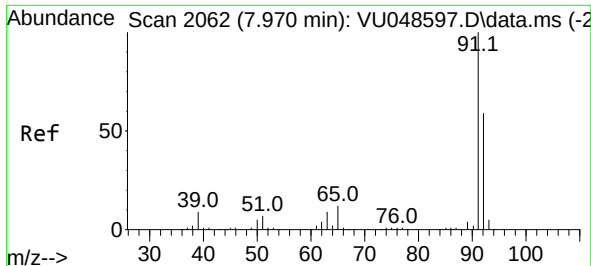
Ion Ratio Lower Upper

43 100

58 42.0 34.3 51.5

100 19.6 14.7 22.1





#42

Toluene

Concen: 49.669 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

Instrument :

MSVOA_U

ClientSampleId :

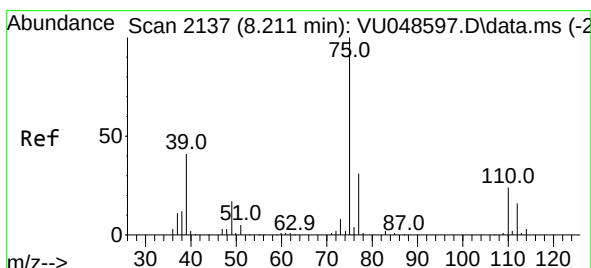
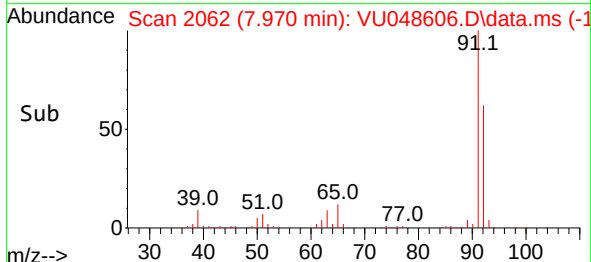
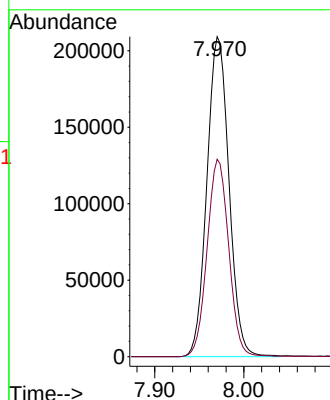
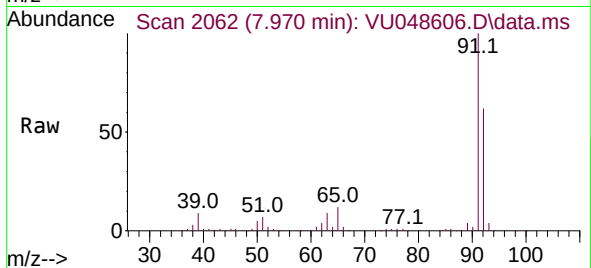
VSTD050132

Tgt Ion: 91 Resp: 359737

Ion Ratio Lower Upper

91 100

92 61.7 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 41.595 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048606.D

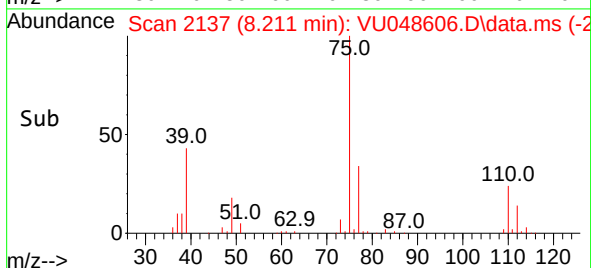
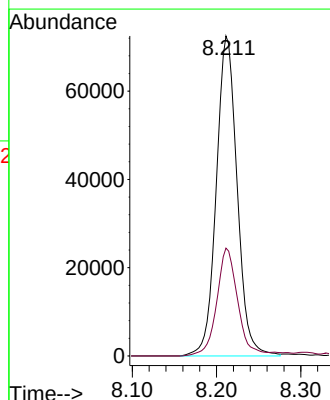
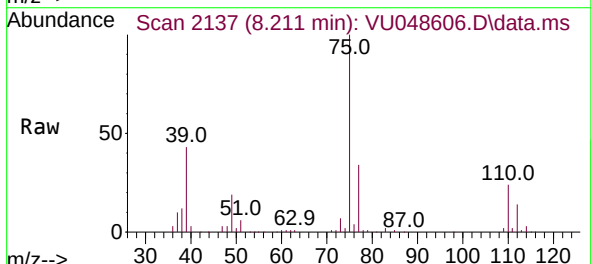
Acq: 18 May 2022 10:23

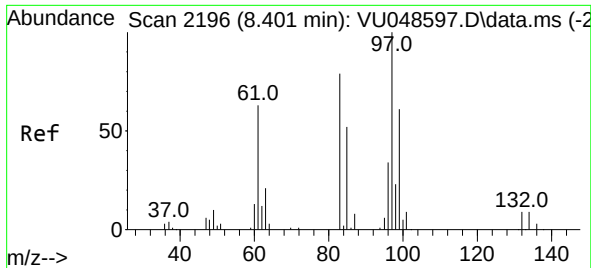
Tgt Ion: 75 Resp: 124439

Ion Ratio Lower Upper

75 100

77 33.7 22.7 42.1

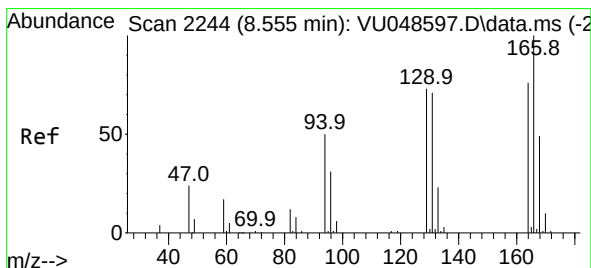
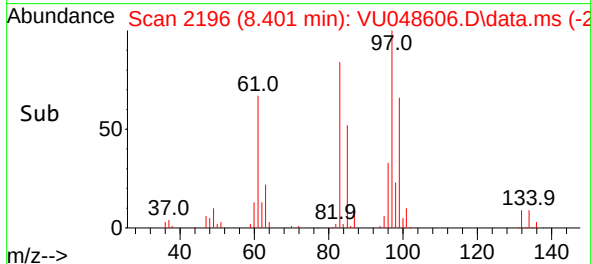
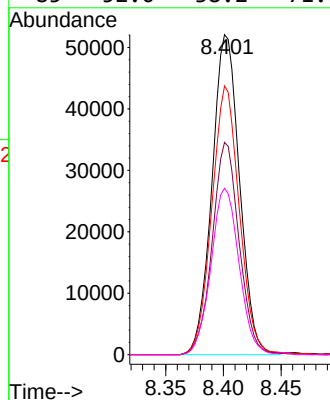
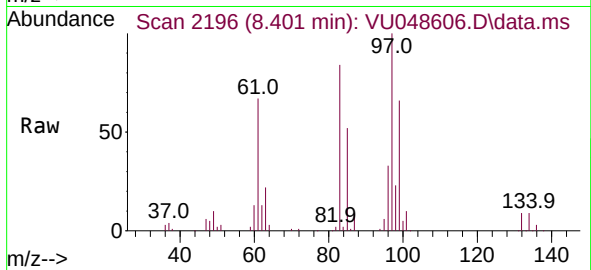




#45
1,1,2-Trichloroethane
Concen: 48.613 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

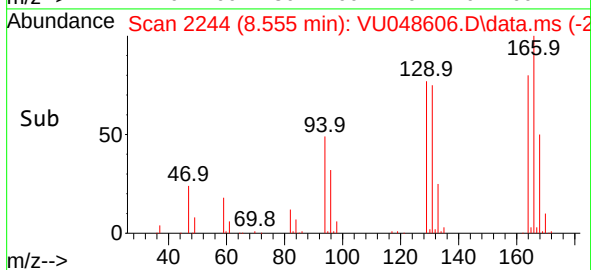
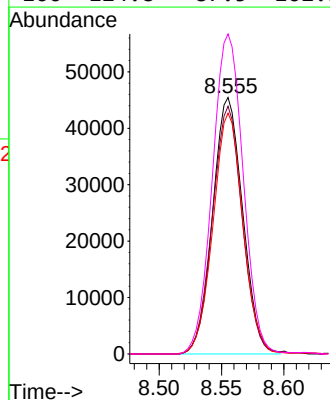
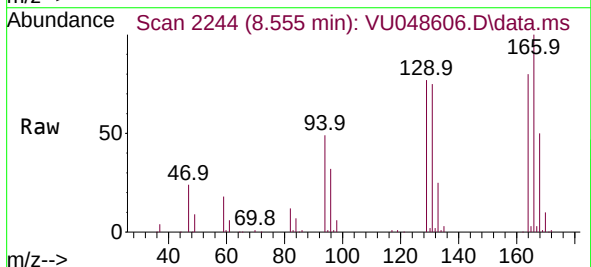
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

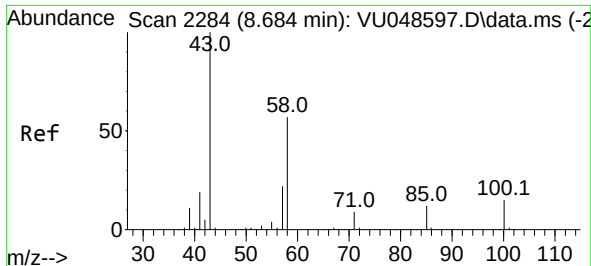
Tgt Ion:	97	Resp:	86498
Ion	Ratio	Lower	Upper
97	100		
99	66.3	42.2	78.4
83	84.0	58.4	108.6
85	52.0	38.2	71.0



#46
Tetrachloroethene
Concen: 49.765 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion:	164	Resp:	76345
Ion	Ratio	Lower	Upper
164	100		
129	96.6	64.3	119.3
131	93.9	64.5	119.7
166	124.8	87.5	162.5

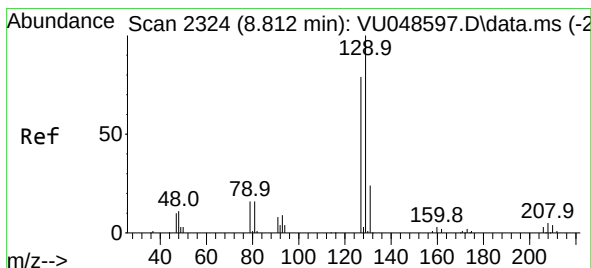
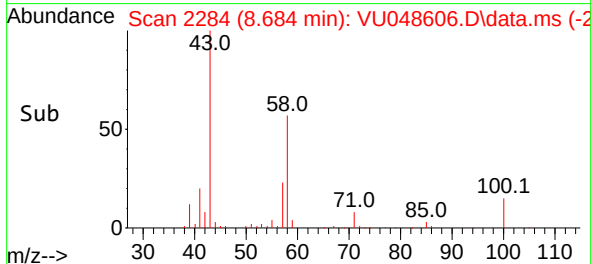
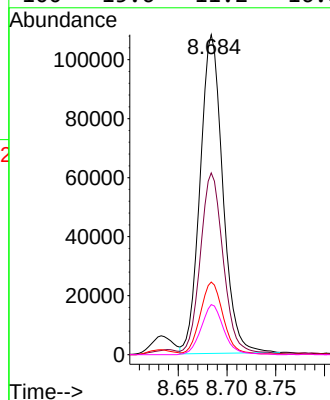
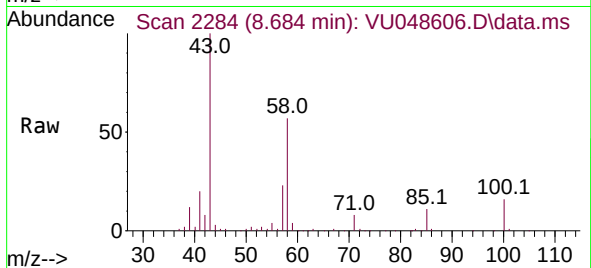




#48
2-Hexanone
Concen: 80.683 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

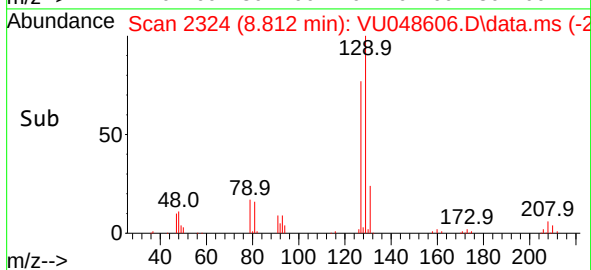
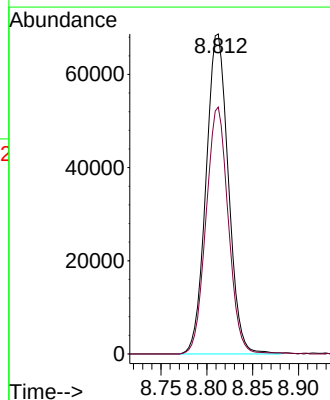
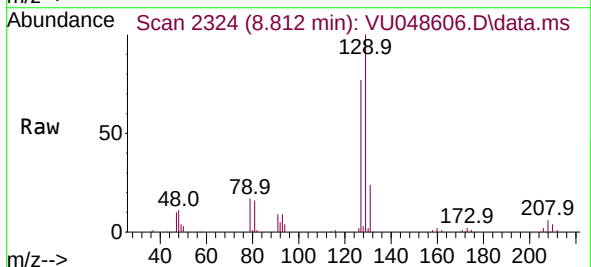
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

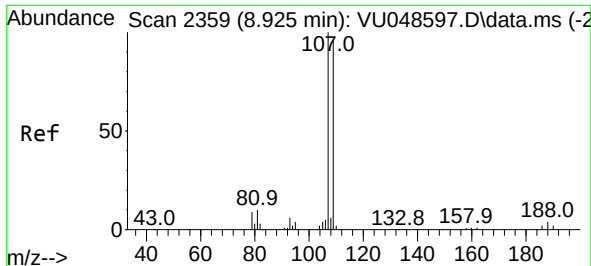
Tgt Ion: 43	Resp: 175283
Ion Ratio	Lower Upper
43 100	
58 58.1	45.8 68.6
57 22.6	16.8 25.2
100 15.6	11.2 16.8



#49
Dibromochloromethane
Concen: 50.891 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion:129	Resp: 116420		
Ion Ratio	Lower	Upper	
129 100			
127 77.2	53.1	98.5	





#50

1,2-Dibromoethane

Concen: 49.333 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050132

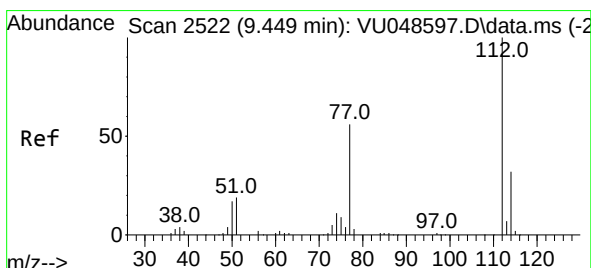
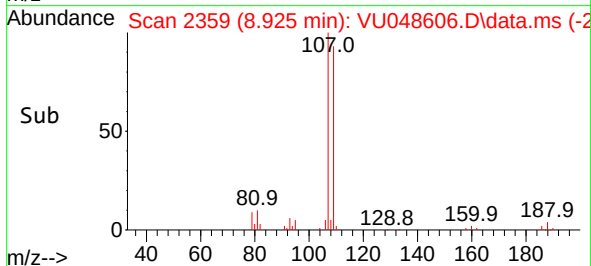
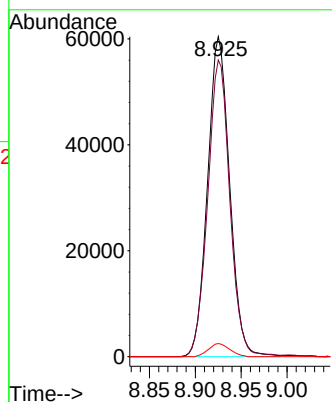
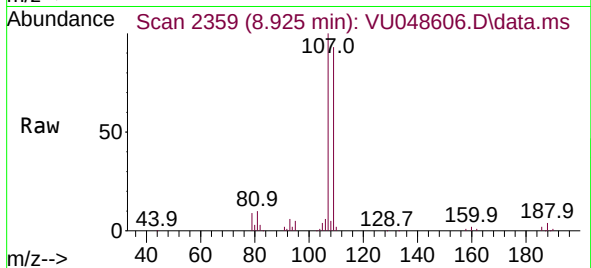
Tgt Ion:107 Resp: 101306

Ion Ratio Lower Upper

107 100

109 92.7 67.5 125.3

188 4.1 3.4 5.2



#51

Chlorobenzene

Concen: 49.237 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU048606.D

Acq: 18 May 2022 10:23

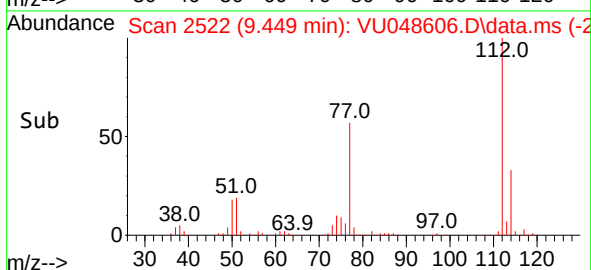
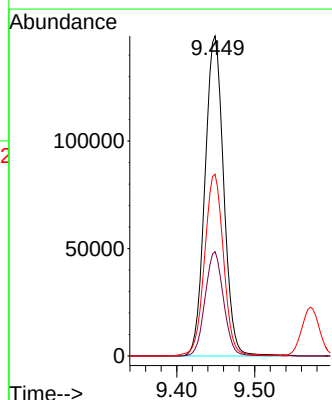
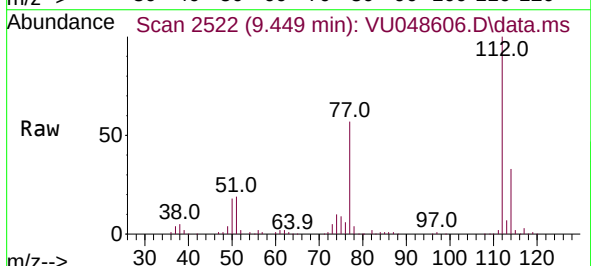
Tgt Ion:112 Resp: 248716

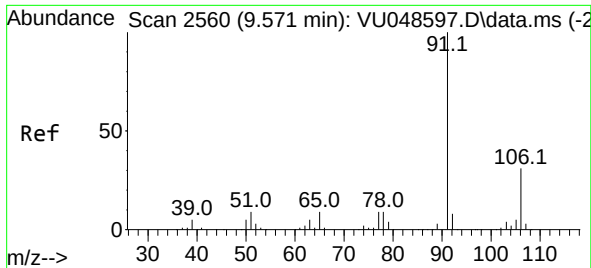
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.5

77 56.8 46.5 69.7

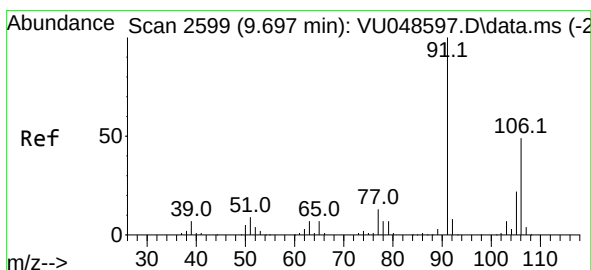
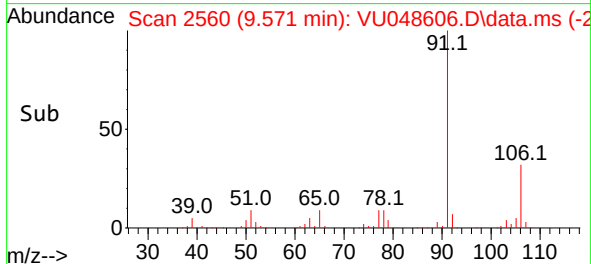
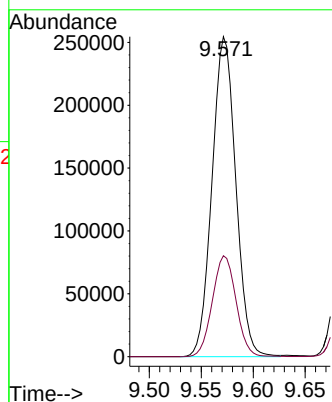
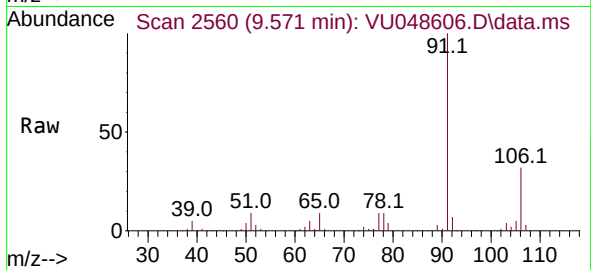




#52
Ethylbenzene
Concen: 48.948 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

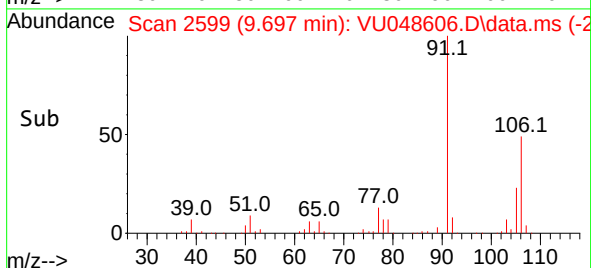
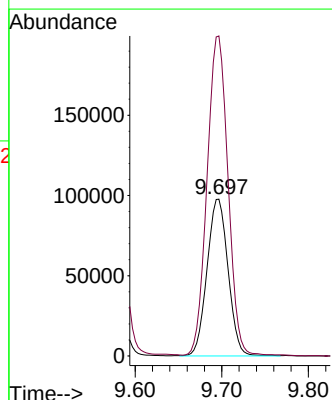
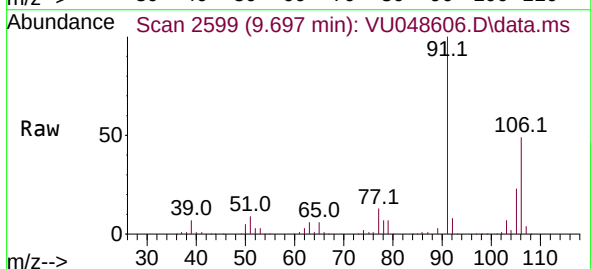
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

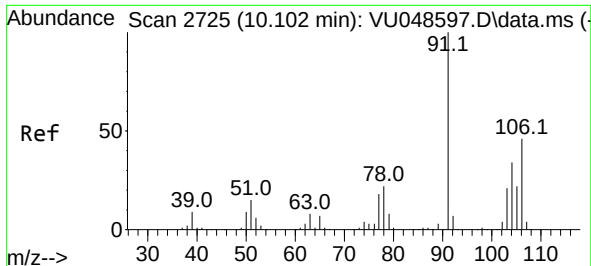
Tgt Ion: 91 Resp: 405135
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.6



#53
m,p-Xylene
Concen: 49.598 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion: 106 Resp: 164974
Ion Ratio Lower Upper
106 100
91 204.2 141.8 263.4

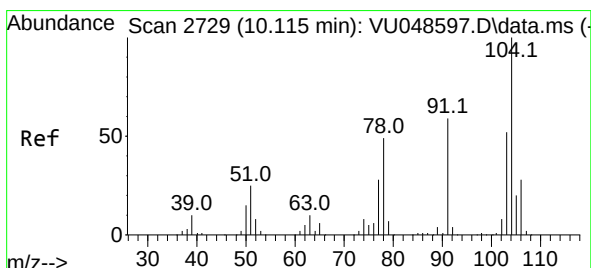
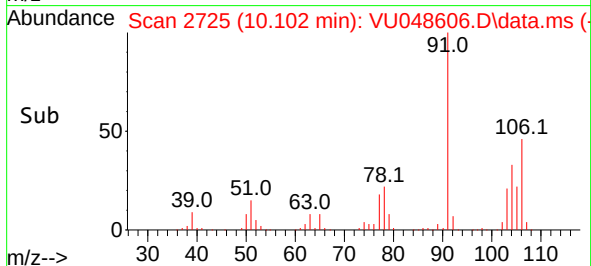
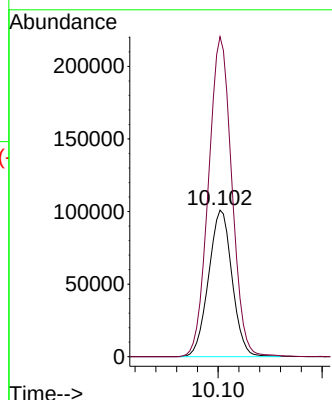
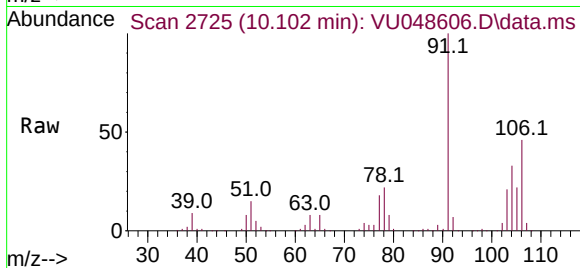




#54
o-Xylene
Concen: 49.782 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

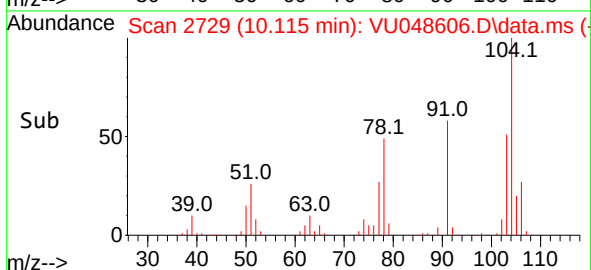
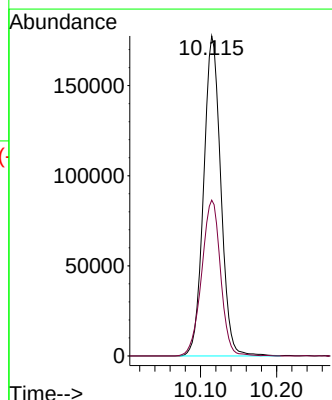
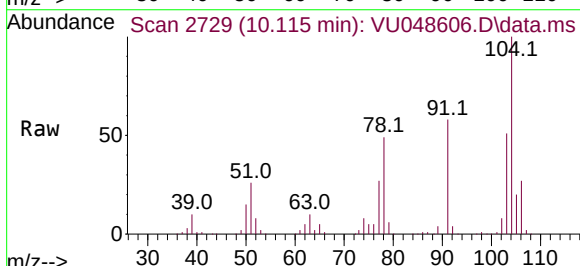
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

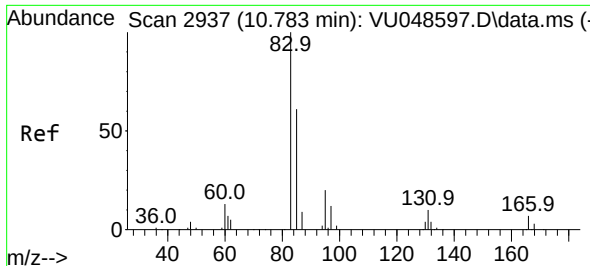
Tgt Ion:106 Resp: 158634
Ion Ratio Lower Upper
106 100
91 218.2 150.1 278.9



#55
Styrene
Concen: 50.371 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion:104 Resp: 279078
Ion Ratio Lower Upper
104 100
78 48.7 32.7 60.7

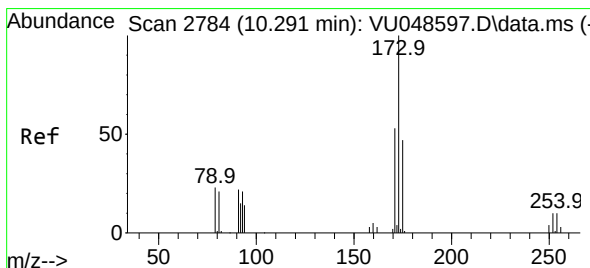
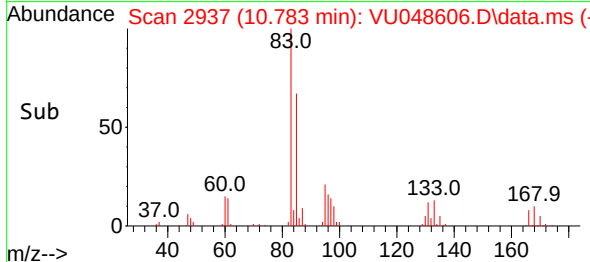
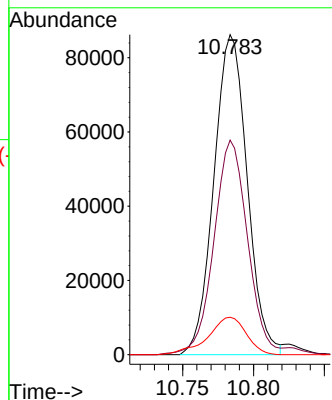
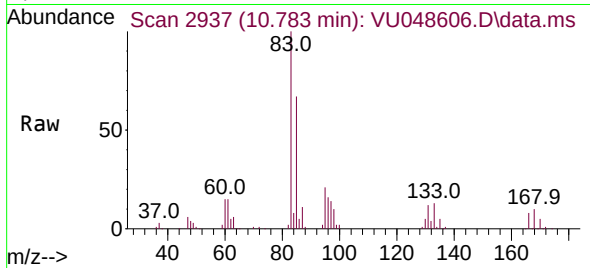




#57
 1,1,2,2-Tetrachloroethane
 Concen: 45.861 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

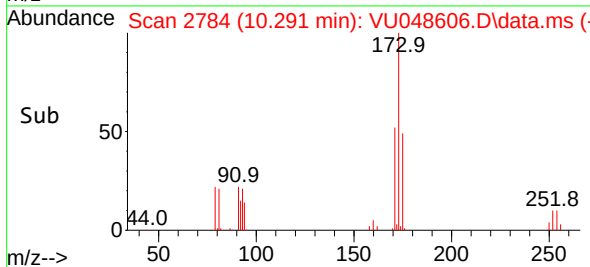
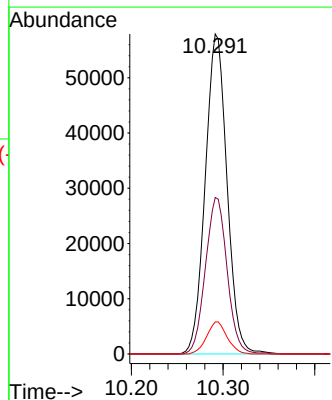
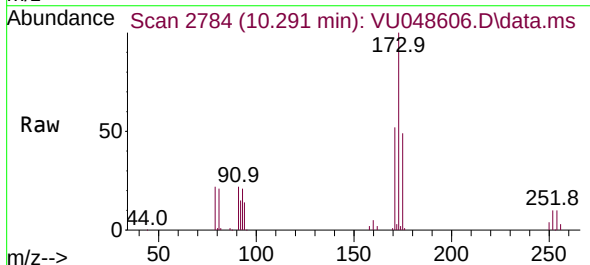
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050132

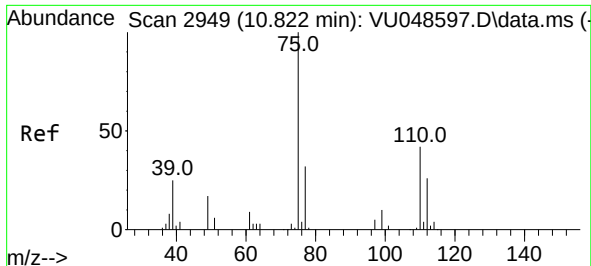
Tgt Ion: 83 Resp: 141031
 Ion Ratio Lower Upper
 83 100
 85 67.1 44.1 81.9
 131 11.7 8.9 13.3



#59
 Bromoform
 Concen: 49.897 ug/L
 RT: 10.291 min Scan# 2784
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

Tgt Ion:173 Resp: 95590
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.2 57.4
 254 9.4 7.7 11.5

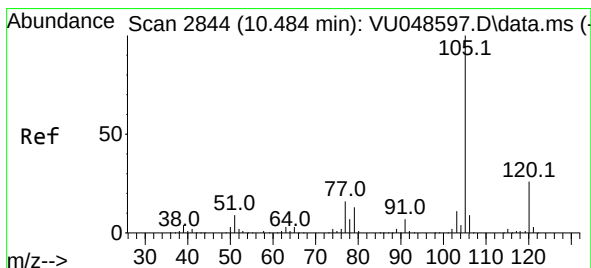
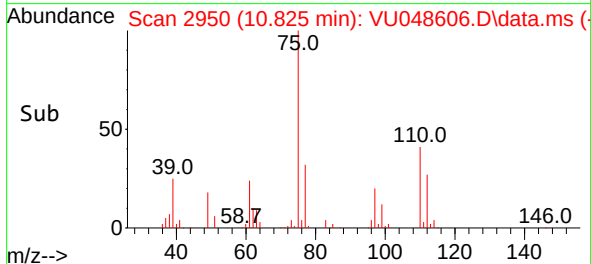
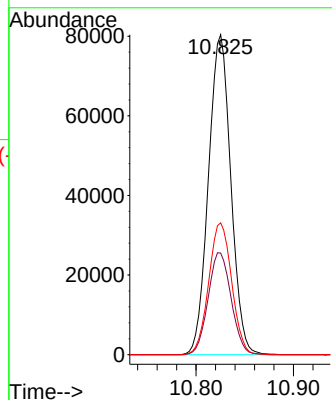
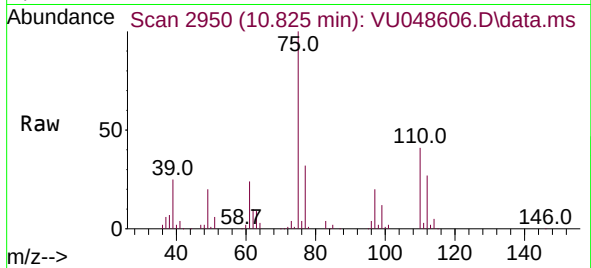




#60
1,2,3-Trichloropropane
Concen: 46.424 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

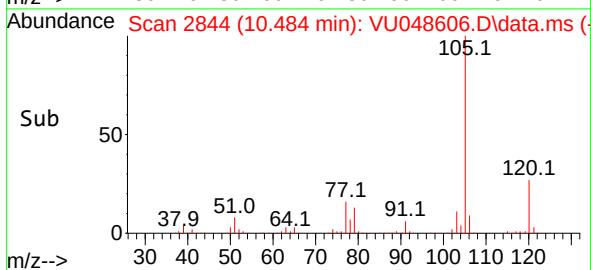
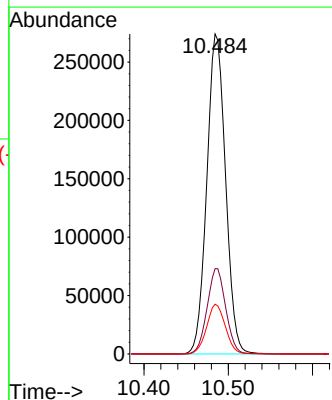
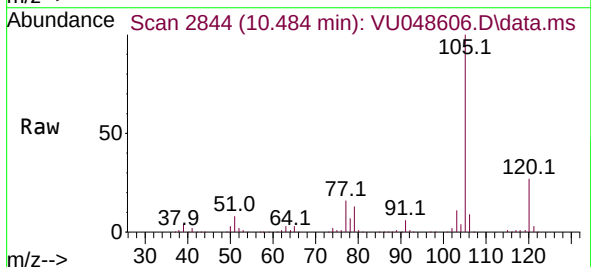
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

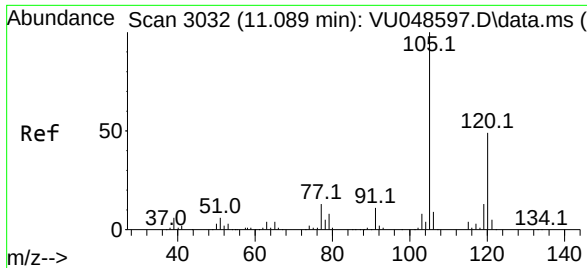
Tgt Ion: 75 Resp: 128314
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.0
110 42.2 32.1 48.1



#61
Isopropylbenzene
Concen: 49.420 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion: 105 Resp: 424171
Ion Ratio Lower Upper
105 100
120 26.5 21.0 31.6
77 15.6 12.5 18.7

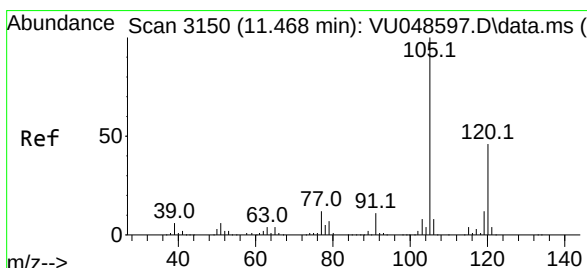
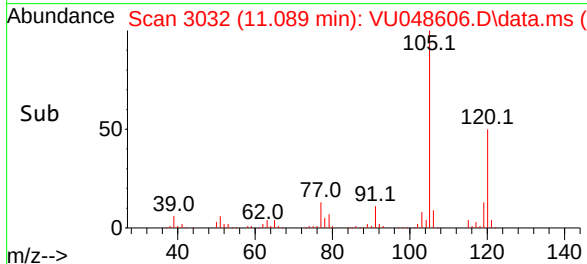
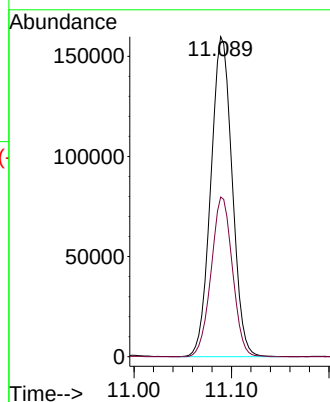
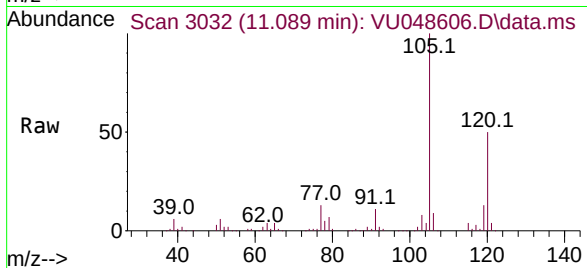




#62
 1,3,5-Trimethylbenzene
 Concen: 49.927 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

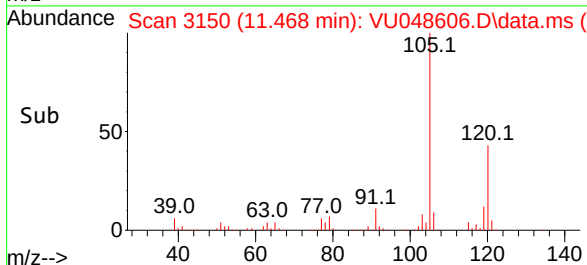
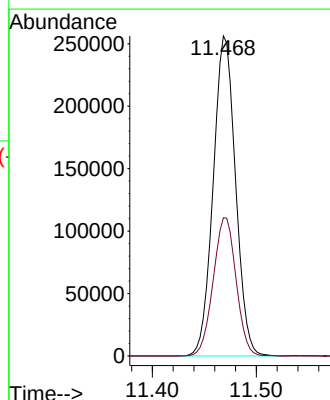
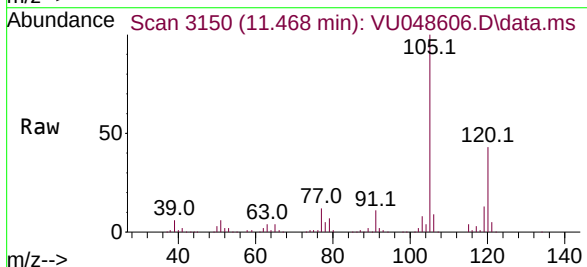
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050132

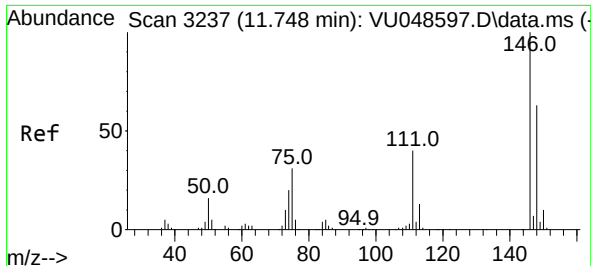
Tgt Ion:105 Resp: 243620
 Ion Ratio Lower Upper
 105 100
 120 49.7 38.5 57.7



#63
 1,2,4-Trimethylbenzene
 Concen: 50.408 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

Tgt Ion:105 Resp: 382481
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.4 53.2

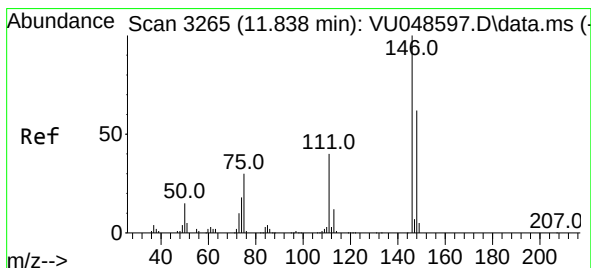
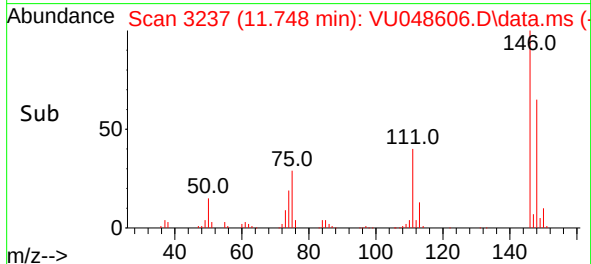
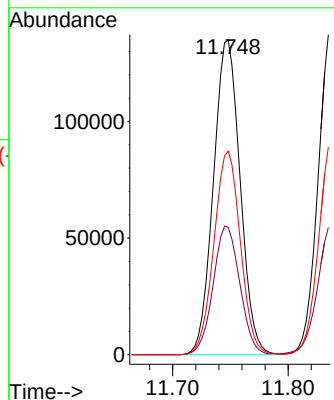
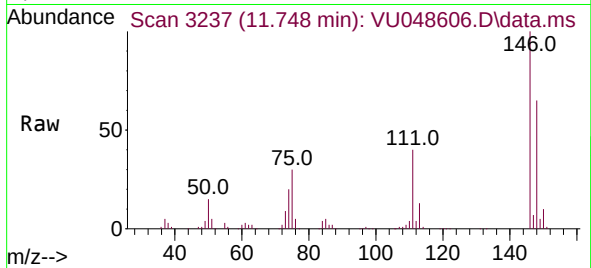




#64
1,3-Dichlorobenzene
Concen: 48.969 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

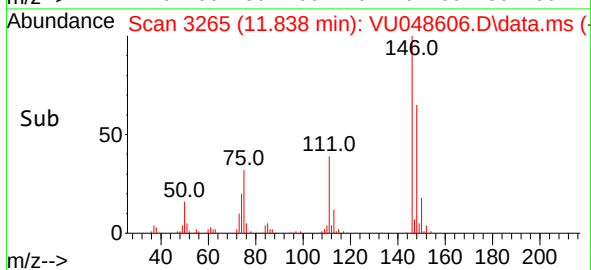
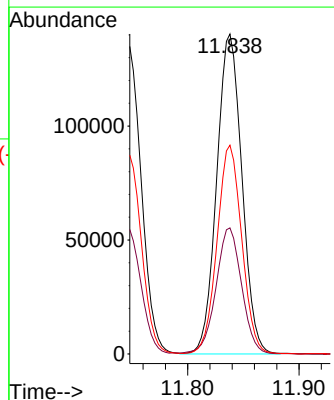
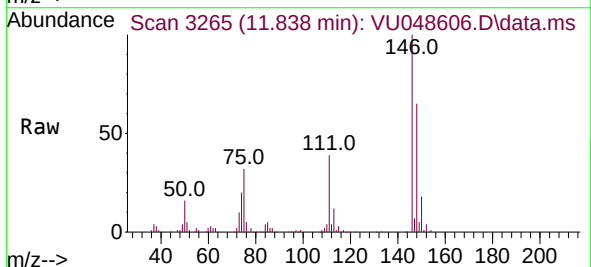
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

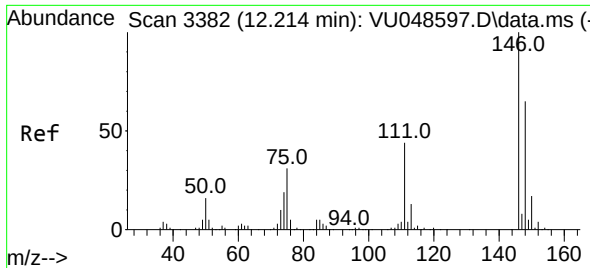
Tgt Ion:146 Resp: 216746
Ion Ratio Lower Upper
146 100
111 40.5 28.7 53.3
148 64.6 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 48.057 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion:146 Resp: 220729
Ion Ratio Lower Upper
146 100
111 39.4 27.6 51.2
148 65.3 44.2 82.2

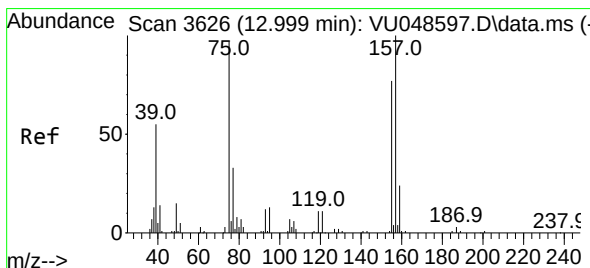
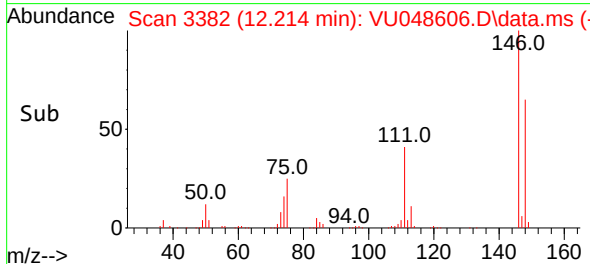
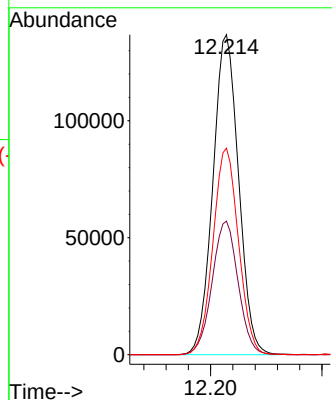
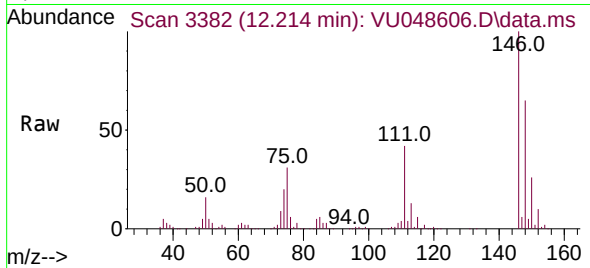




#67
1,2-Dichlorobenzene
Concen: 48.698 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

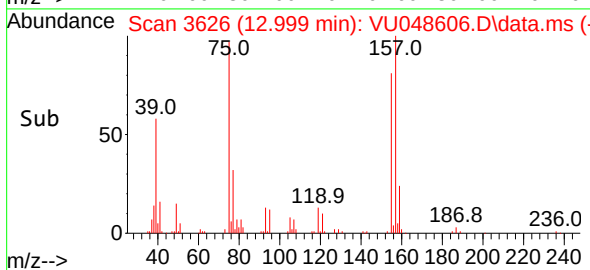
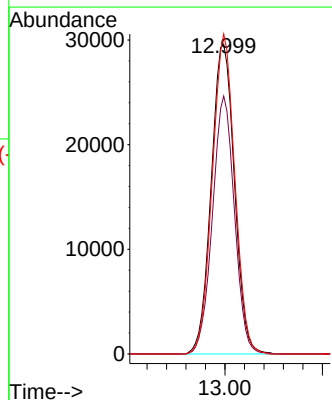
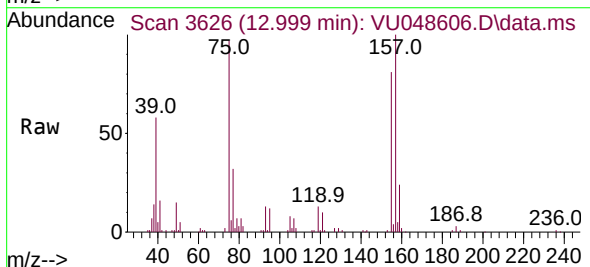
Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

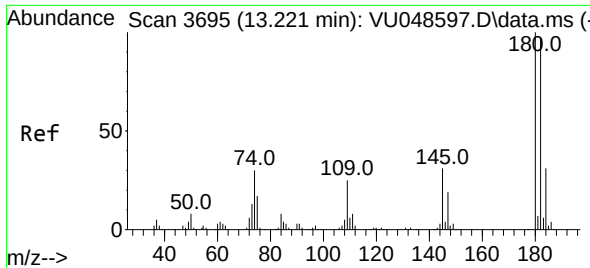
Tgt Ion:146 Resp: 219240
Ion Ratio Lower Upper
146 100
111 41.8 34.1 51.1
148 64.6 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 45.778 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion: 75 Resp: 48921
Ion Ratio Lower Upper
75 100
155 83.3 63.5 95.3
157 103.4 83.5 125.3

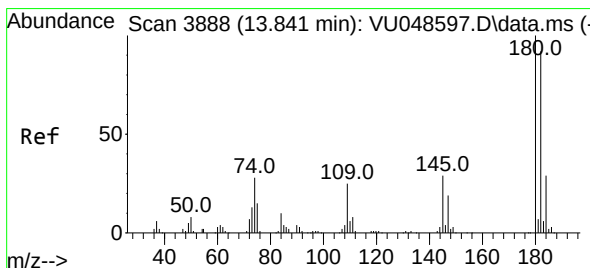
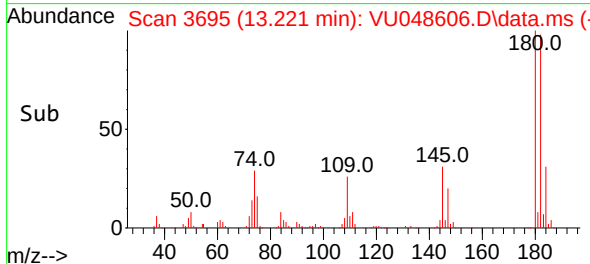
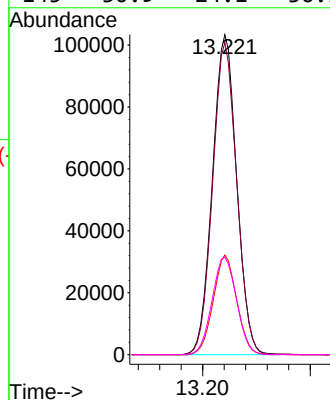
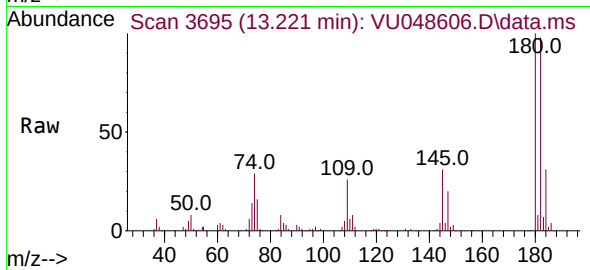




#69
 1,3,5-Trichlorobenzene
 Concen: 45.803 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

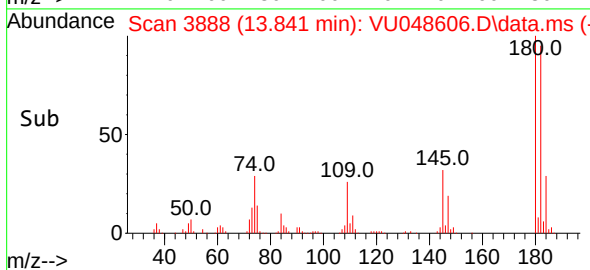
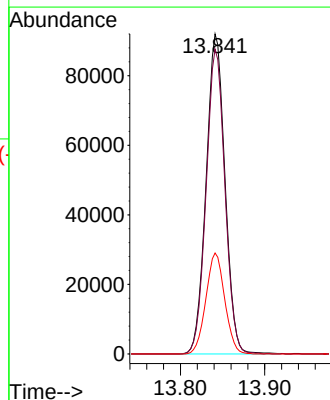
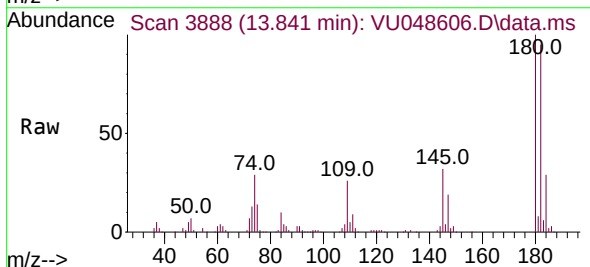
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050132

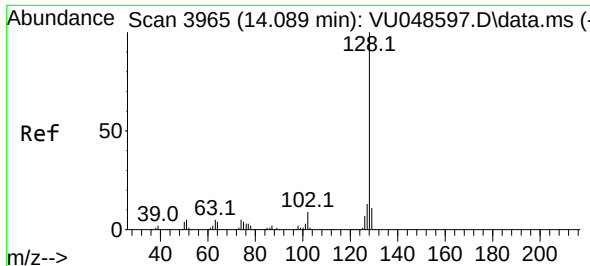
Tgt Ion:180 Resp: 161589
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.8 113.6
 184 30.1 23.4 35.2
 145 30.9 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 45.021 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048606.D
 Acq: 18 May 2022 10:23

Tgt Ion:180 Resp: 143652
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.8 113.8
 145 31.4 24.9 37.3

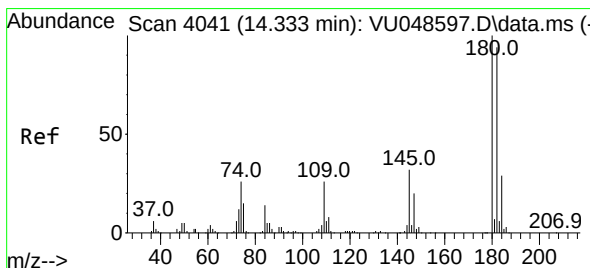
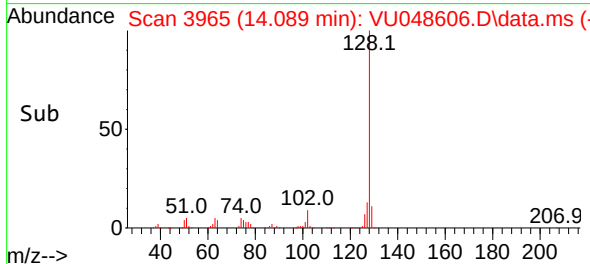
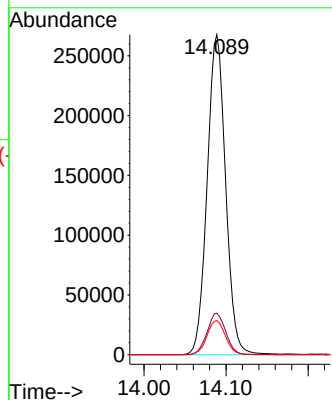
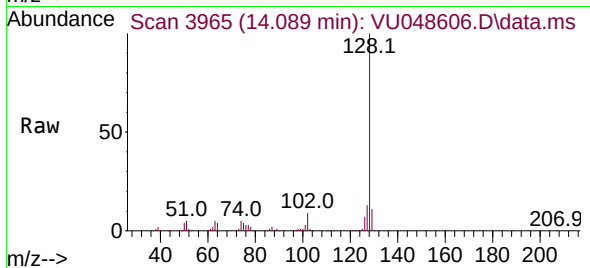




#71
Naphthalene
Concen: 39.738 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD050132

Tgt Ion:128 Resp: 418089
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 44.079 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU048606.D
Acq: 18 May 2022 10:23

Tgt Ion:180 Resp: 141209
Ion Ratio Lower Upper
180 100
182 98.4 75.6 113.4
145 34.1 27.1 40.7

