

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111521\
 Data File : VU045789.D
 Acq On : 15 Nov 2021 12:59
 Operator : SY/MD
 Sample : VSTD02038
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020038

Quant Time: Nov 16 02:25:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 02:21:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	106203	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	104303	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	54364	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	169803	19.208	ug/L	0.00
7) Chloroethane-d5	1.912	69	111845	19.086	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	65	72046	20.459	ug/L	0.00
20) 2-Butanone-d5	4.629	46	463482	180.551	ug/L	-0.01
24) Chloroform-d	5.067	84	297369	20.349	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.707	65	162144	21.178	ug/L	0.00
32) Benzene-d6	5.732	84	605705	20.086	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	189076	18.816	ug/L	0.00
41) Toluene-d8	7.903	98	555062	19.857	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	82090	20.257	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	394231	179.243	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.761	84	159749	18.142	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	193900	18.893	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	177314	19.181	ug/L	99
3) Chloromethane	1.520	50	180232	16.657	ug/L	99
5) Vinyl chloride	1.604	62	188456	18.073	ug/L	100
6) Bromomethane	1.858	94	101661	20.639	ug/L	100
8) Chloroethane	1.932	64	95752	19.293	ug/L	98
9) Trichlorofluoromethane	2.138	101	245517	25.945	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	142611	20.666	ug/L	98
12) 1,1-Dichloroethene	2.581	96	135781	20.292	ug/L	91
13) Acetone	2.642	43	260165	191.486	ug/L	99
14) Carbon disulfide	2.797	76	422361	18.364	ug/L	99
15) Methyl Acetate	2.954	43	65282	18.487	ug/L	97
16) Methylene chloride	3.047	84	152472	17.965	ug/L	99
17) Methyl tert-butyl Ether	3.369	73	369574	19.703	ug/L	99
18) trans-1,2-Dichloroethene	3.356	96	147161	19.919	ug/L	96
19) 1,1-Dichloroethane	3.874	63	272736	20.055	ug/L	99
21) 2-Butanone	4.710	43	459903	198.107	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	160947	20.415	ug/L	97
23) Bromochloromethane	4.980	128	70095	20.572	ug/L	99
25) Chloroform	5.092	83	279264	20.641	ug/L	99
27) 1,2-Dichloroethane	5.797	62	184079	22.070	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	242216	22.528	ug/L	99
30) Cyclohexane	5.391	56	247861	19.744	ug/L	99
31) Carbon tetrachloride	5.530	117	207155	23.286	ug/L	99
33) Benzene	5.777	78	609279	19.943	ug/L	100
34) Trichloroethene	6.546	95	156894	19.685	ug/L	97
35) Methylcyclohexane	6.768	83	268140	19.936	ug/L	97
37) 1,2-Dichloropropane	6.797	63	161110	19.651	ug/L	100
38) Bromodichloromethane	7.108	83	202919	21.731	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	250143	21.382	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	1072296	195.225	ug/L	98
42) Toluene	7.973	91	650820	19.502	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	214076	20.822	ug/L	99

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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

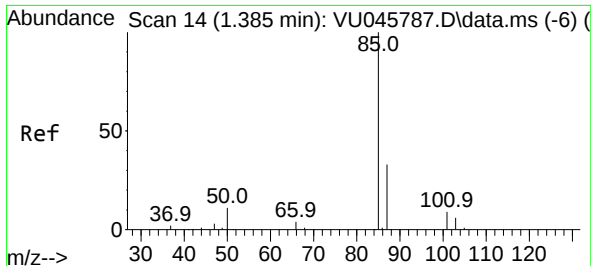
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.404	97	117432	19.854	ug/L	98
47) Tetrachloroethene	8.558	164	112447	19.899	ug/L	96
48) 2-Hexanone	8.687	43	780469	193.317	ug/L	99
49) Dibromochloromethane	8.816	129	138495	23.073	ug/L	98
50) 1,2-Dibromoethane	8.928	107	113467	21.142	ug/L	98
51) Chlorobenzene	9.452	112	397919	20.023	ug/L	100
52) Ethylbenzene	9.575	91	711331	20.635	ug/L	99
53) m,p-Xylene	9.697	106	275087	20.484	ug/L	96
54) o-Xylene	10.105	106	264903	20.201	ug/L	94
55) Styrene	10.118	104	458763	20.959	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.787	83	150111	18.938	ug/L	96
59) Bromoform	10.295	173	77302	22.196	ug/L	99
60) Isopropylbenzene	10.488	105	712945	20.291	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	109978	18.240	ug/L	98
62) 1,3,5-Trimethylbenzene	11.092	105	628637	21.417	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	629176	21.344	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	312382	19.478	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	313537	19.414	ug/L	98
67) 1,2-Dichlorobenzene	12.217	146	296639	19.108	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	25799	19.479	ug/L	96
69) 1,3,5-Trichlorobenzene	13.224	180	241425	20.462	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	212351	20.372	ug/L	100
71) Naphthalene	14.089	128	459424	20.731	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	202904	20.389	ug/L	99

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

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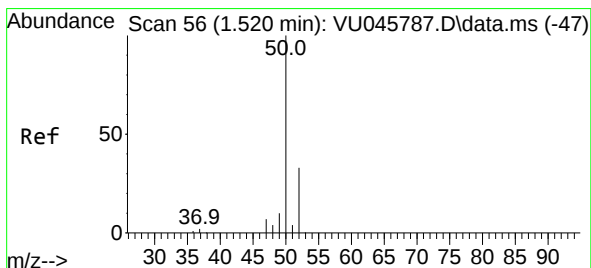
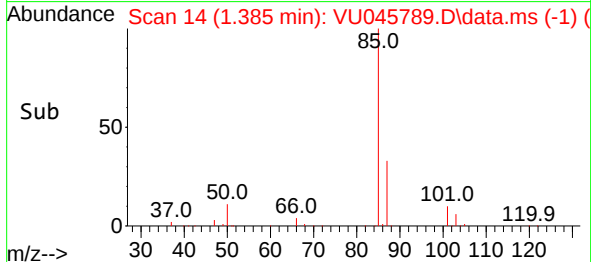
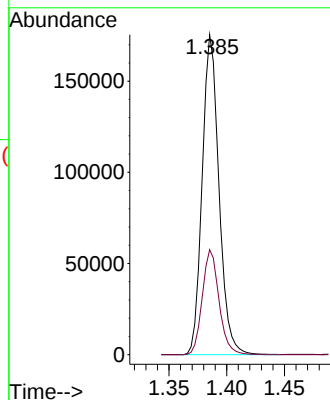
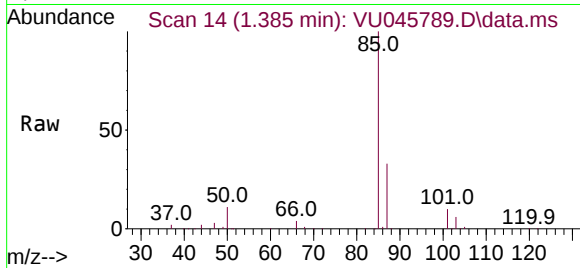




#2
Dichlorodifluoromethane
Concen: 19.181 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

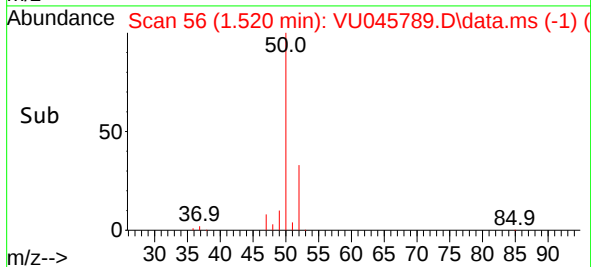
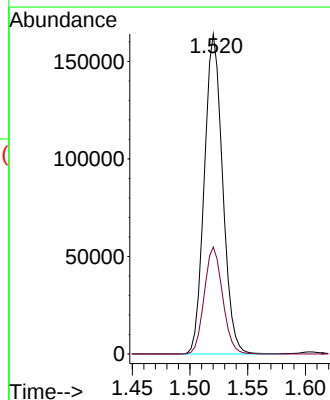
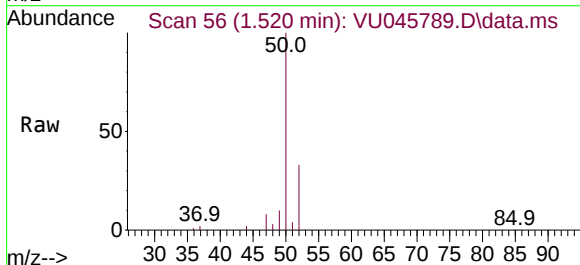
Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

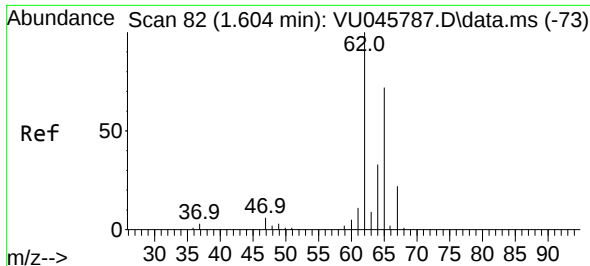
Tgt Ion: 85 Resp: 177314
Ion Ratio Lower Upper
85 100
87 32.7 25.8 38.6



#3
Chloromethane
Concen: 16.657 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion: 50 Resp: 180232
Ion Ratio Lower Upper
50 100
52 33.4 23.0 42.8

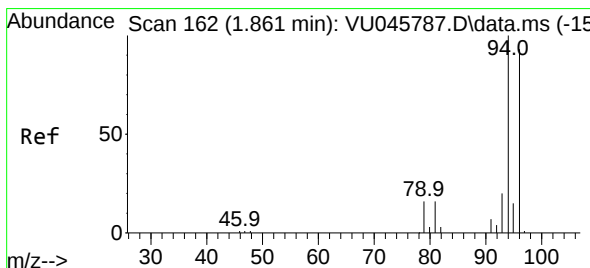
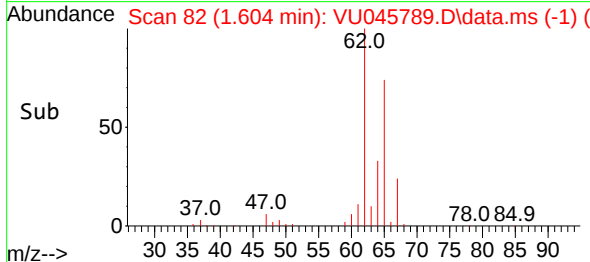
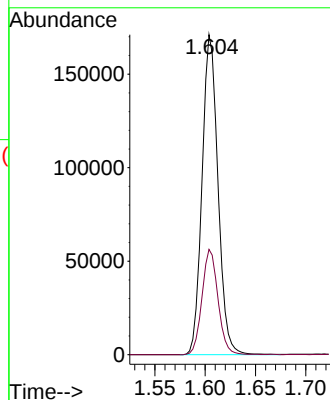
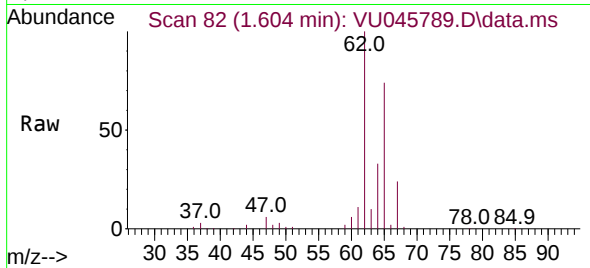




#5
 Vinyl chloride
 Concen: 18.073 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU045789.D
 Acq: 15 Nov 2021 12:59

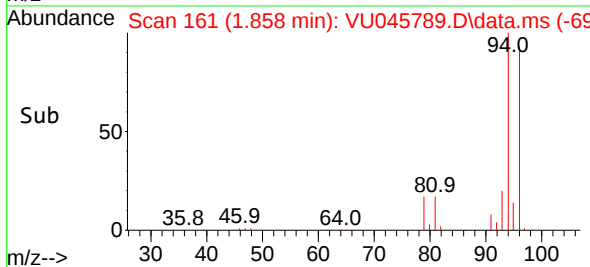
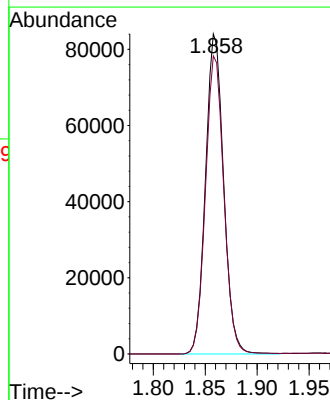
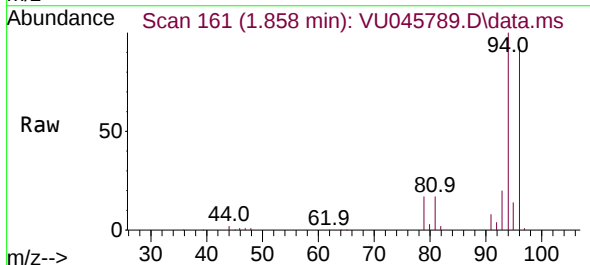
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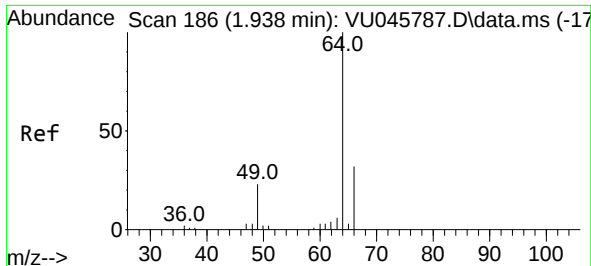
Tgt Ion: 62 Resp: 188456
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5



#6
 Bromomethane
 Concen: 20.639 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.003 min
 Lab File: VU045789.D
 Acq: 15 Nov 2021 12:59

Tgt Ion: 94 Resp: 101661
 Ion Ratio Lower Upper
 94 100
 96 93.2 65.5 121.6

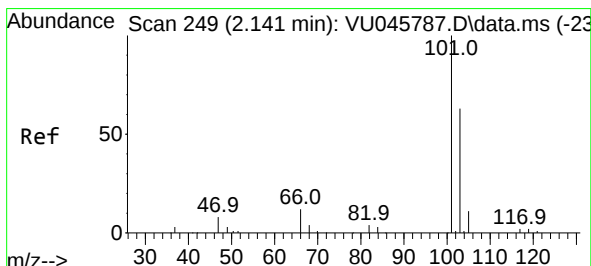
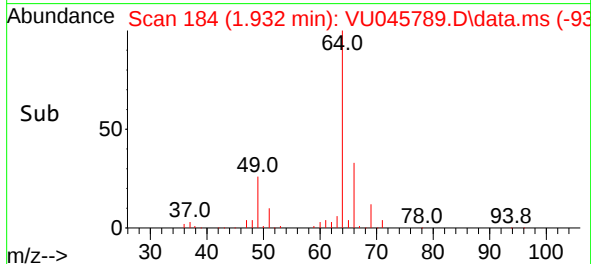
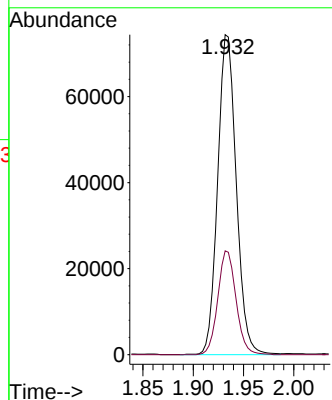
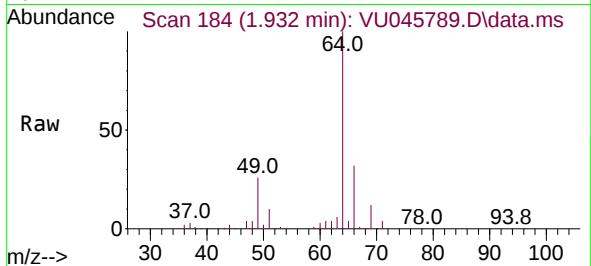




#8
Chloroethane
Concen: 19.293 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

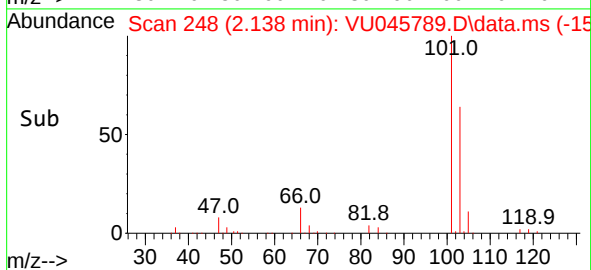
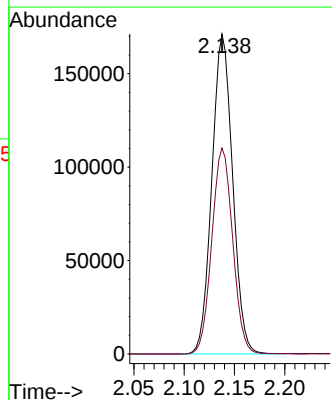
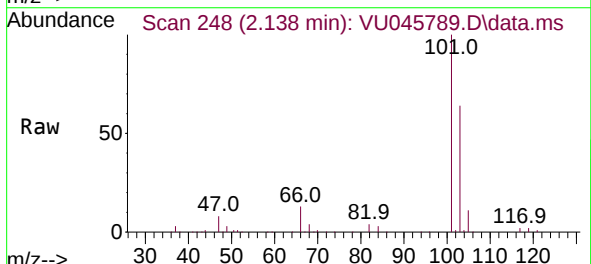
Instrument :
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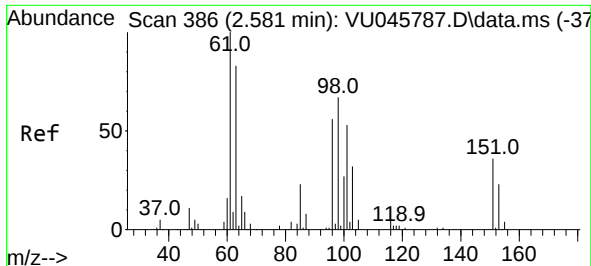
Tgt Ion: 64 Resp: 95752
Ion Ratio Lower Upper
64 100
66 32.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 25.945 ug/L
RT: 2.138 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion:101 Resp: 245517
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3

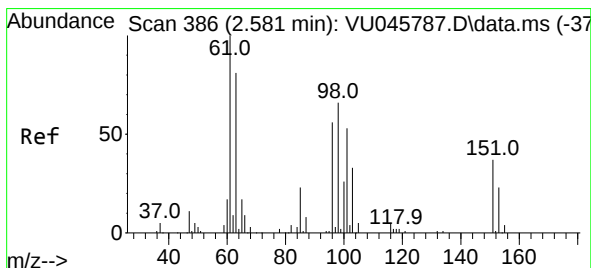
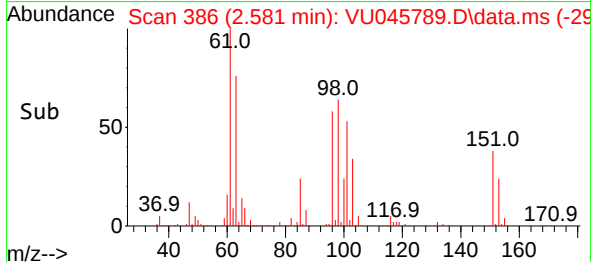
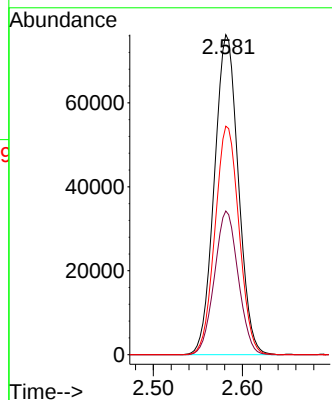
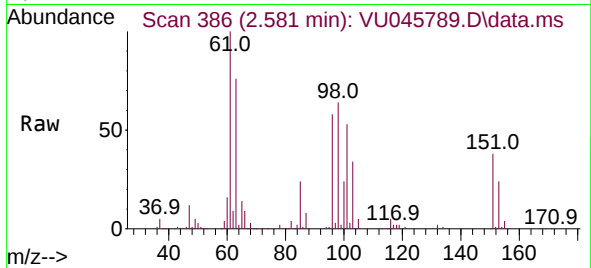




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.666 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU045789.D
 Acq: 15 Nov 2021 12:59

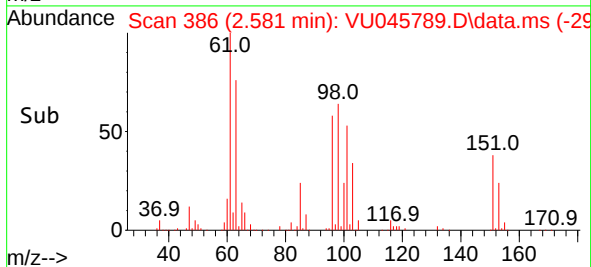
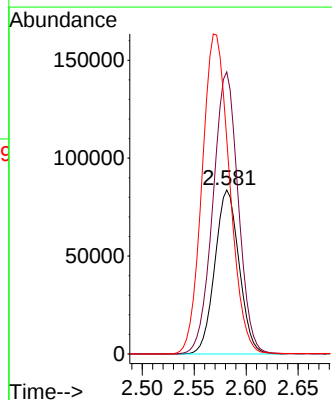
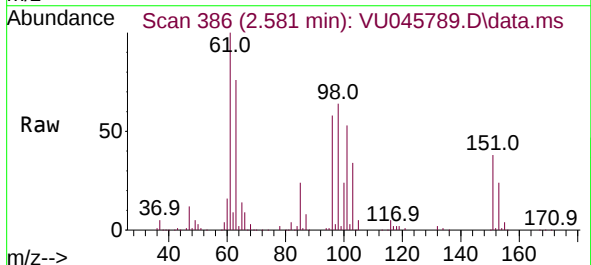
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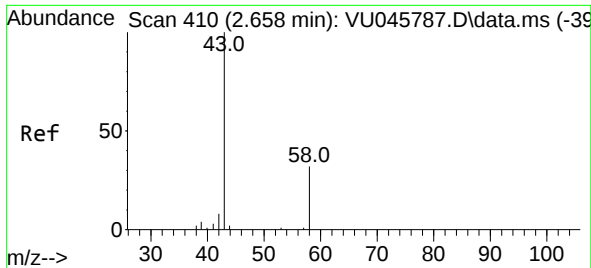
Tgt Ion:101 Resp: 142611
 Ion Ratio Lower Upper
 101 100
 85 44.4 34.6 51.8
 151 71.6 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 20.292 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU045789.D
 Acq: 15 Nov 2021 12:59

Tgt Ion: 96 Resp: 135781
 Ion Ratio Lower Upper
 96 100
 61 171.9 124.7 231.5
 63 130.9 105.2 195.4





#13

Acetone

Concen: 191.486 ug/L

RT: 2.642 min Scan# 410

Delta R.T. -0.016 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

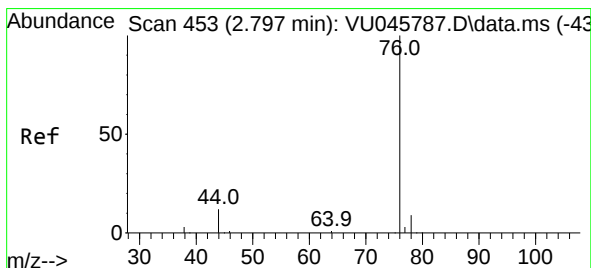
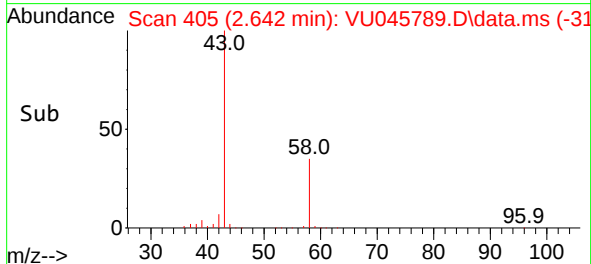
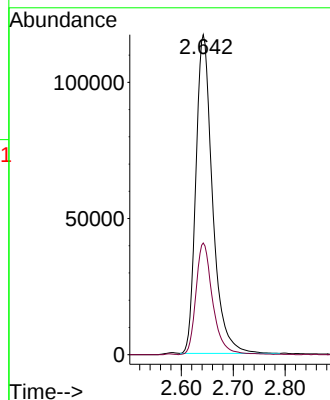
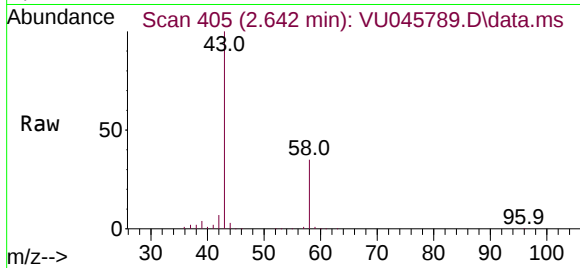
VSTD020038

Tgt Ion: 43 Resp: 260165

Ion Ratio Lower Upper

43 100

58 35.5 0.0 71.6



#14

Carbon disulfide

Concen: 18.364 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU045789.D

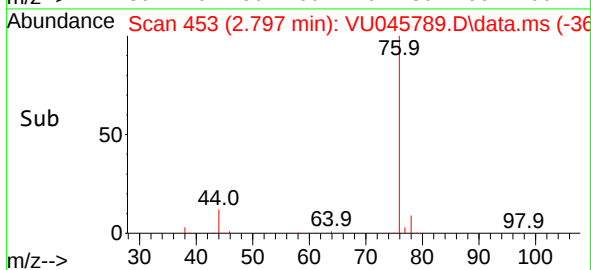
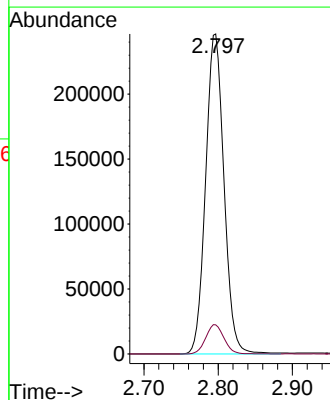
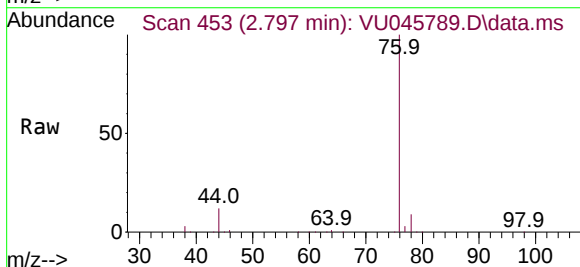
Acq: 15 Nov 2021 12:59

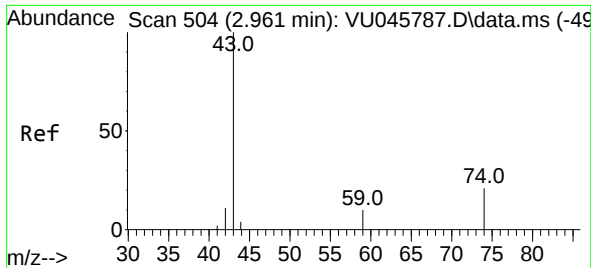
Tgt Ion: 76 Resp: 422361

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

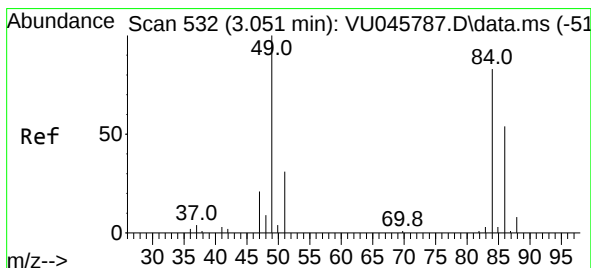
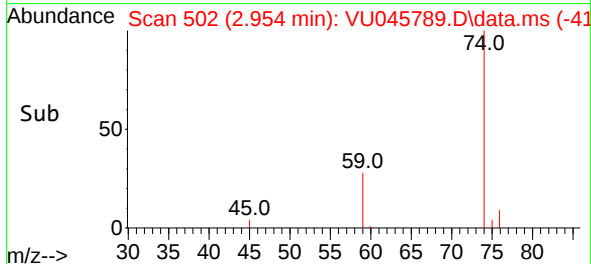
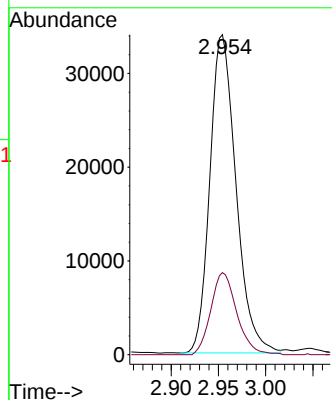
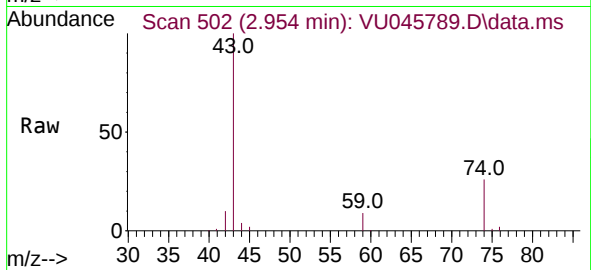




#15
Methyl Acetate
Concen: 18.487 ug/L
RT: 2.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

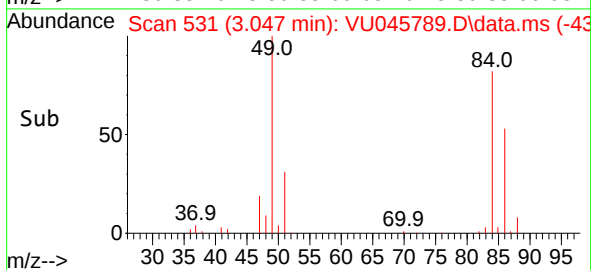
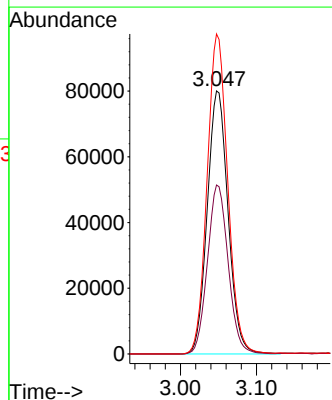
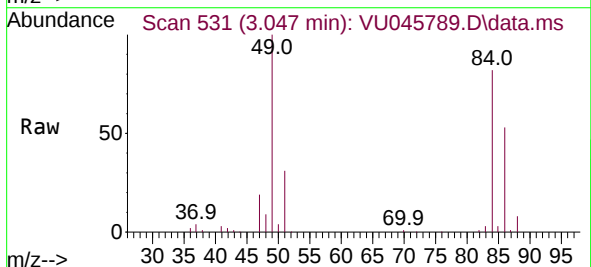
Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

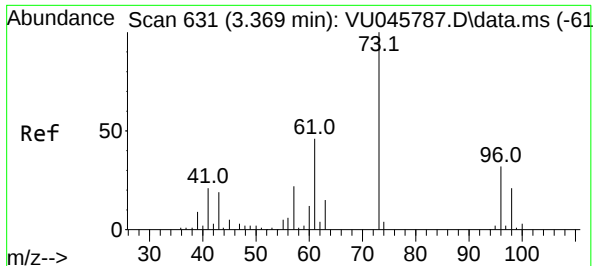
Tgt Ion: 43 Resp: 65282
Ion Ratio Lower Upper
43 100
74 25.6 19.1 28.7



#16
Methylene chloride
Concen: 17.965 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion: 84 Resp: 152472
Ion Ratio Lower Upper
84 100
86 64.2 45.8 85.0
49 121.6 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 19.703 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD020038

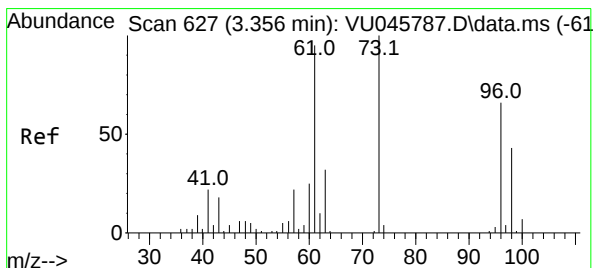
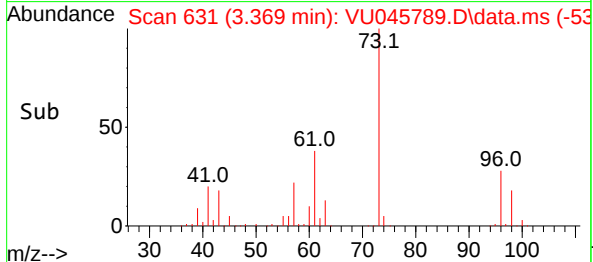
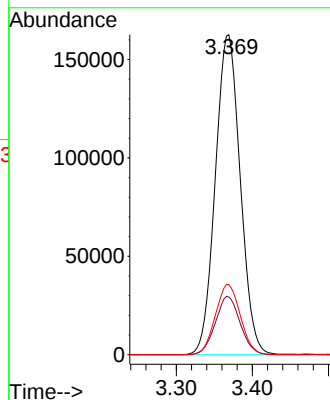
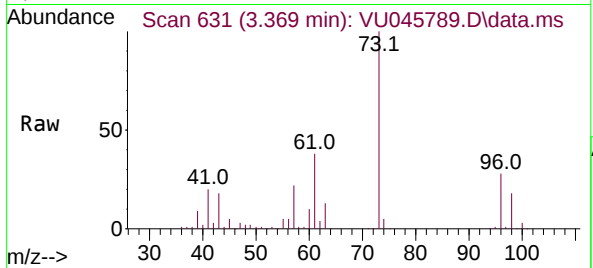
Tgt Ion: 73 Resp: 369574

Ion Ratio Lower Upper

73 100

43 18.2 14.8 22.2

57 22.0 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 19.919 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

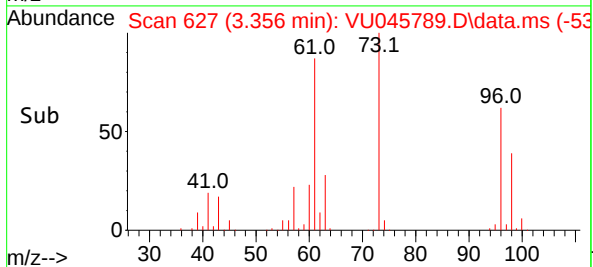
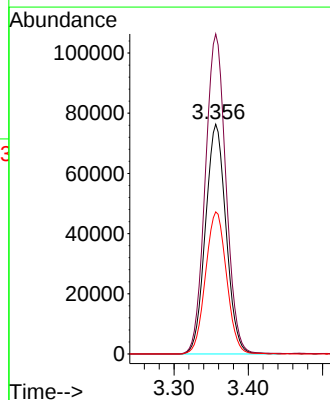
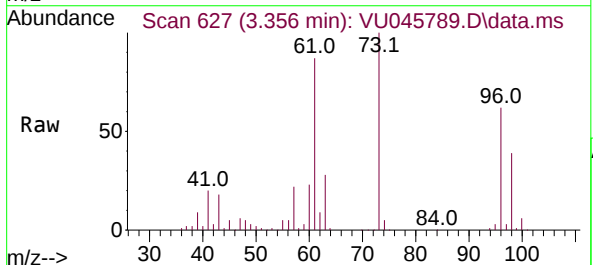
Tgt Ion: 96 Resp: 147161

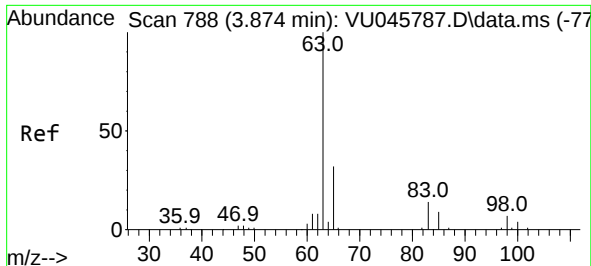
Ion Ratio Lower Upper

96 100

61 139.3 100.8 187.2

98 61.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 20.055 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD020038

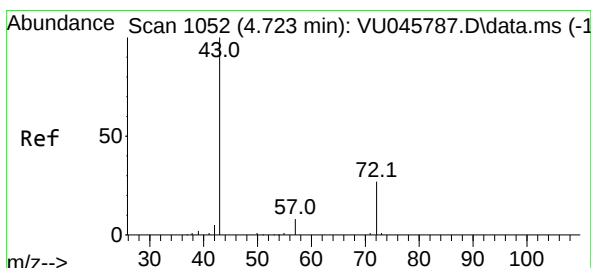
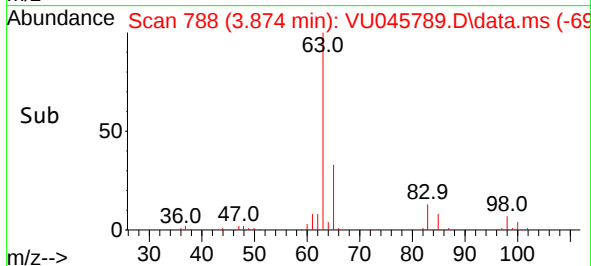
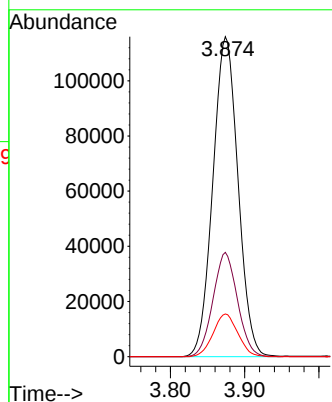
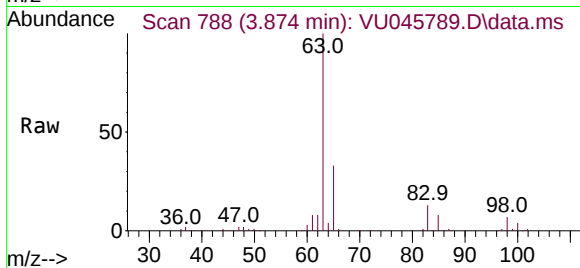
Tgt Ion: 63 Resp: 272736

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 13.4 9.6 17.8



#21

2-Butanone

Concen: 198.107 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. -0.013 min

Lab File: VU045789.D

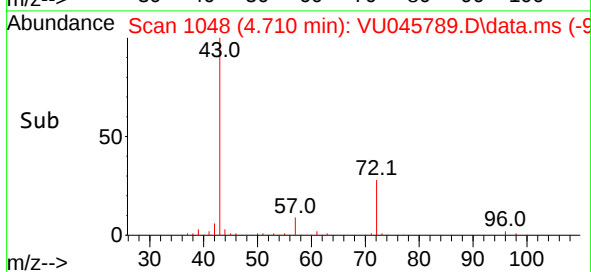
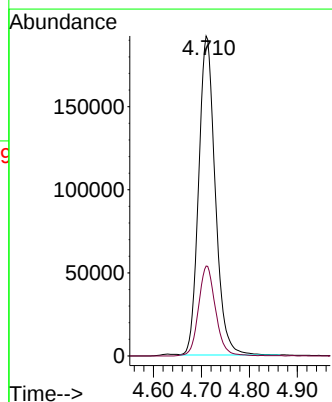
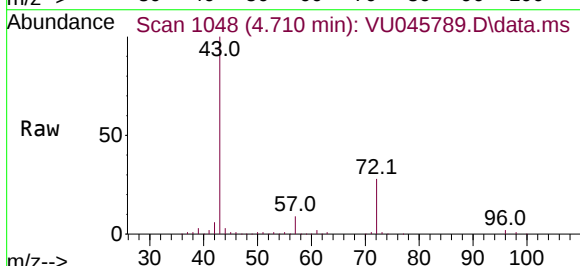
Acq: 15 Nov 2021 12:59

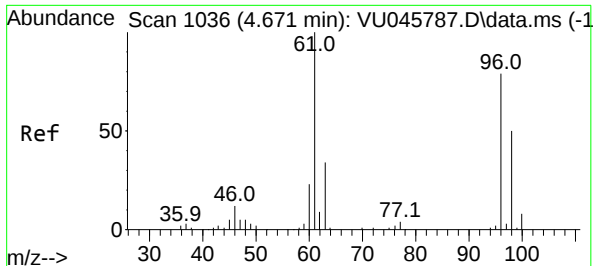
Tgt Ion: 43 Resp: 459903

Ion Ratio Lower Upper

43 100

72 29.0 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 20.415 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD020038

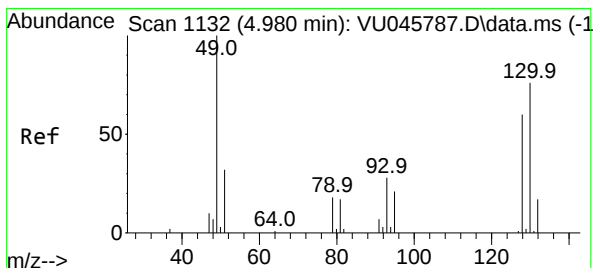
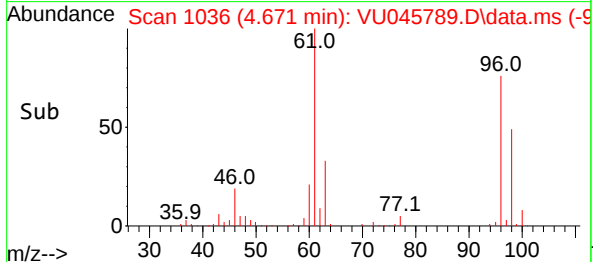
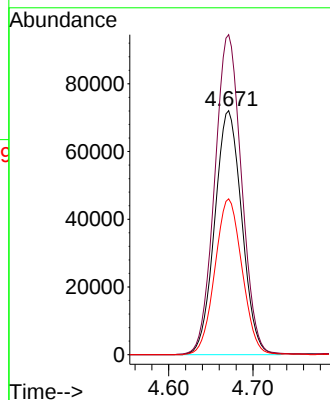
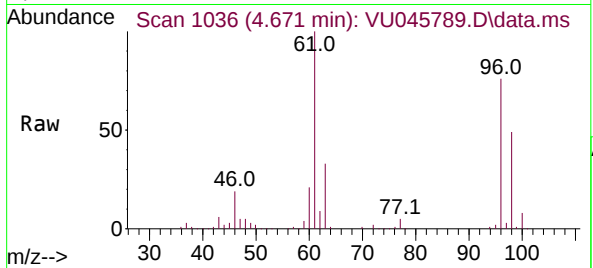
Tgt Ion: 96 Resp: 160947

Ion Ratio Lower Upper

96 100

61 131.1 88.5 164.3

98 63.8 44.4 82.5



#23

Bromochloromethane

Concen: 20.572 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Tgt Ion: 128 Resp: 70095

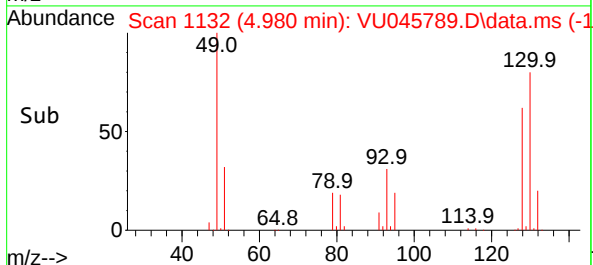
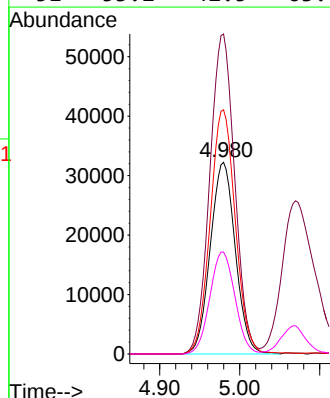
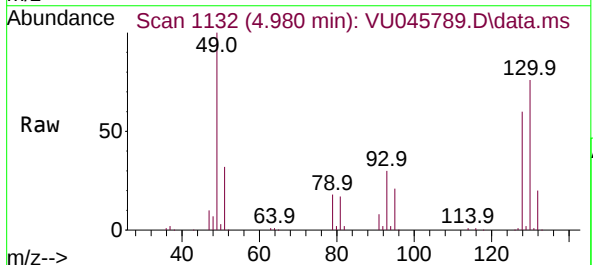
Ion Ratio Lower Upper

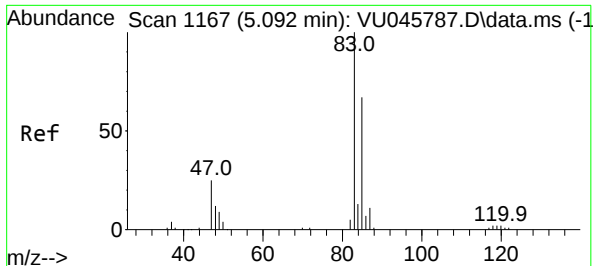
128 100

49 166.9 117.0 217.2

130 127.4 88.2 163.8

51 53.2 42.5 63.7





#25

Chloroform

Concen: 20.641 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

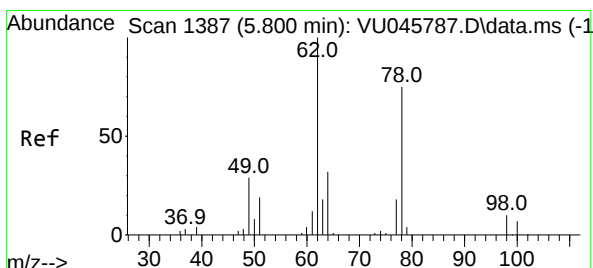
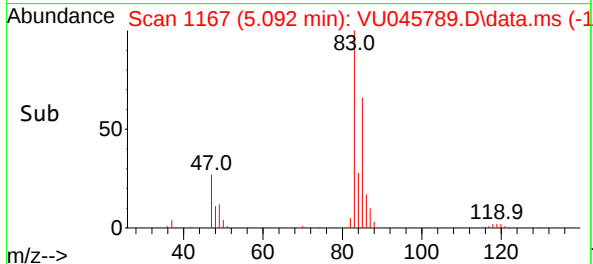
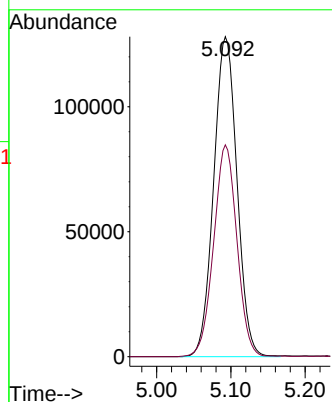
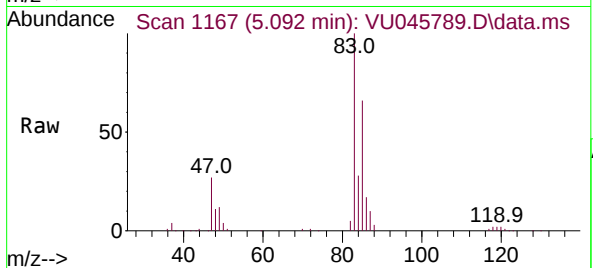
VSTD020038

Tgt Ion: 83 Resp: 279264

Ion Ratio Lower Upper

83 100

85 66.2 46.9 87.1



#27

1,2-Dichloroethane

Concen: 22.070 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU045789.D

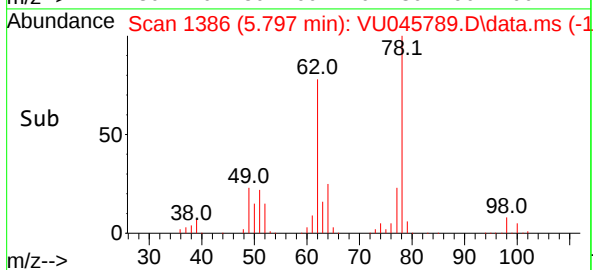
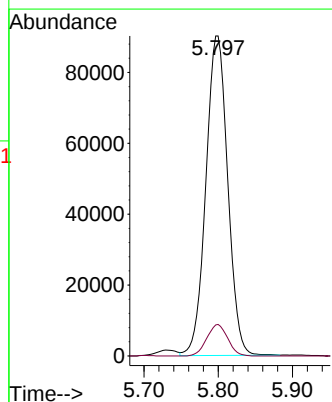
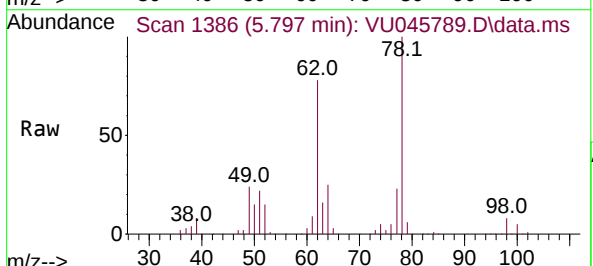
Acq: 15 Nov 2021 12:59

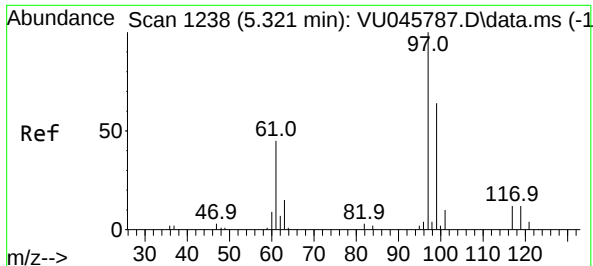
Tgt Ion: 62 Resp: 184079

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 22.528 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD020038

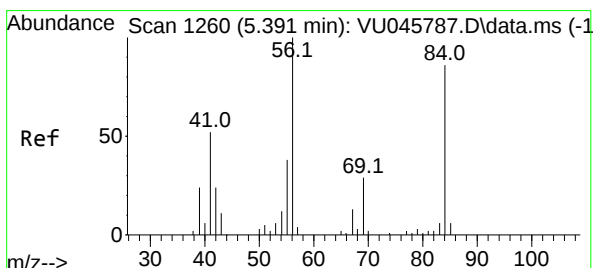
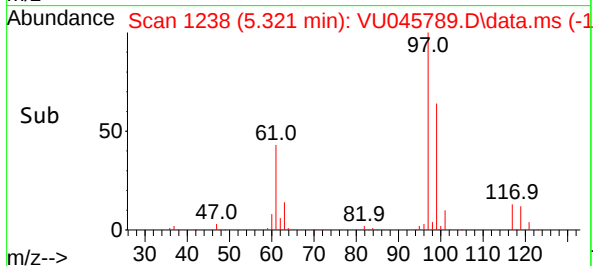
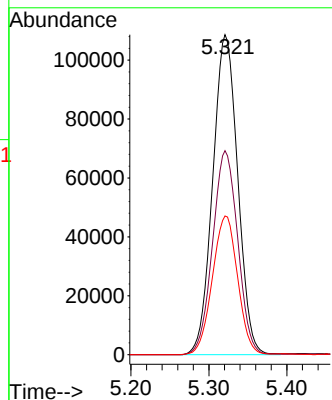
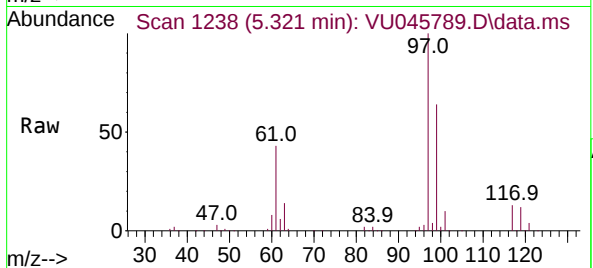
Tgt Ion: 97 Resp: 242216

Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 43.8 36.1 54.1



#30

Cyclohexane

Concen: 19.744 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

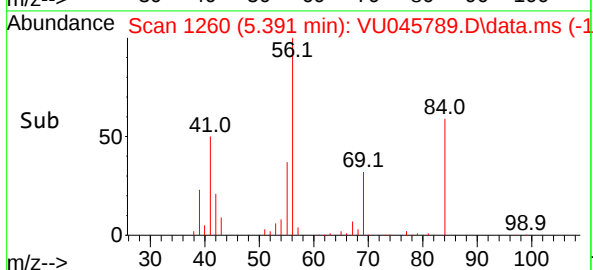
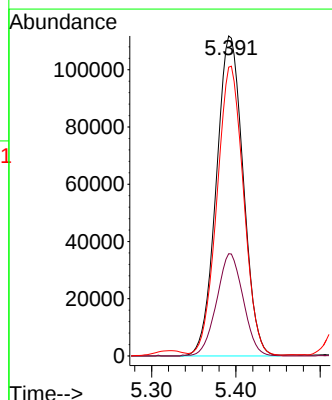
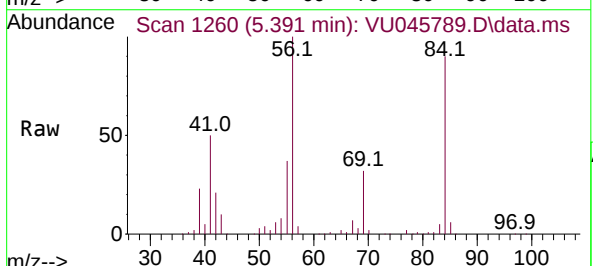
Tgt Ion: 56 Resp: 247861

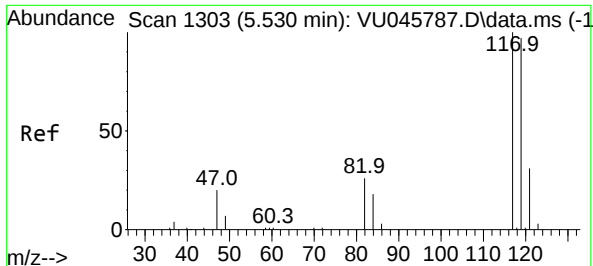
Ion Ratio Lower Upper

56 100

69 31.5 24.7 37.1

84 89.3 71.8 107.6

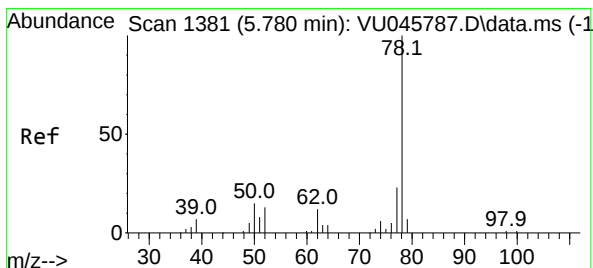
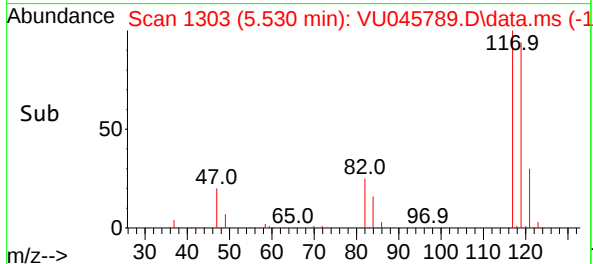
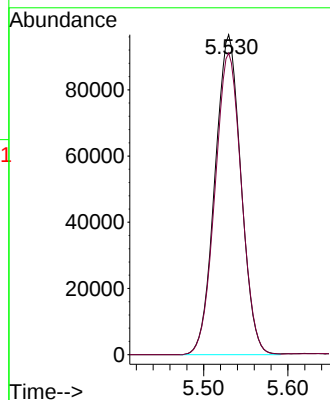
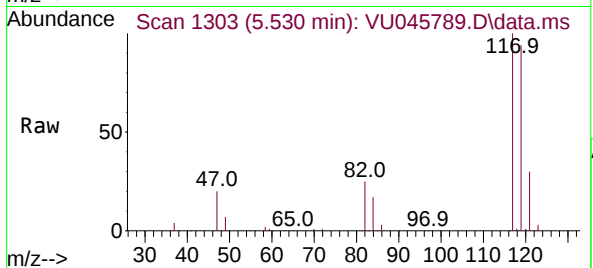




#31
Carbon tetrachloride
Concen: 23.286 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

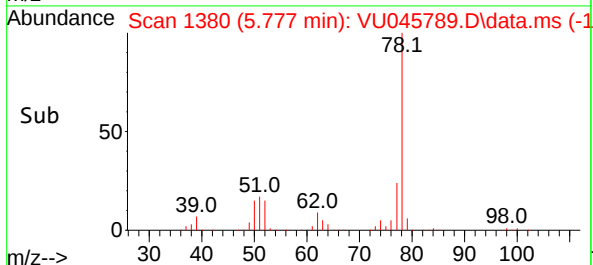
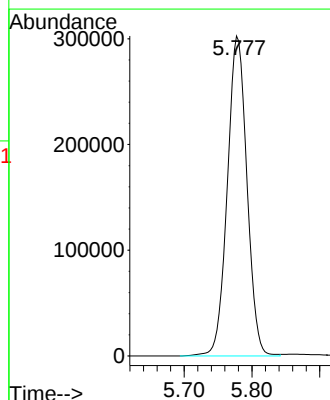
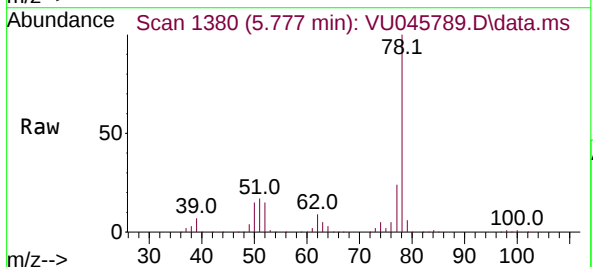
Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

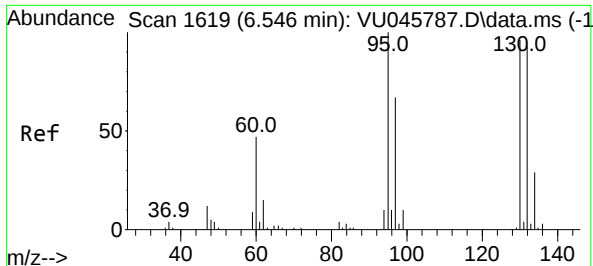
Tgt Ion:117 Resp: 207155
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3



#33
Benzene
Concen: 19.943 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion: 78 Resp: 609279

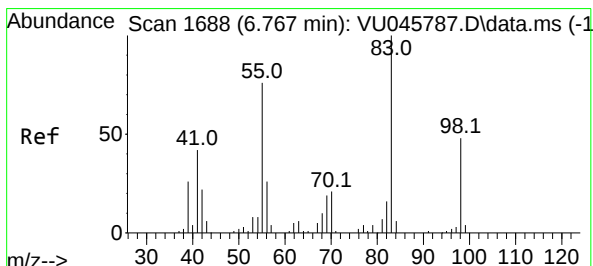
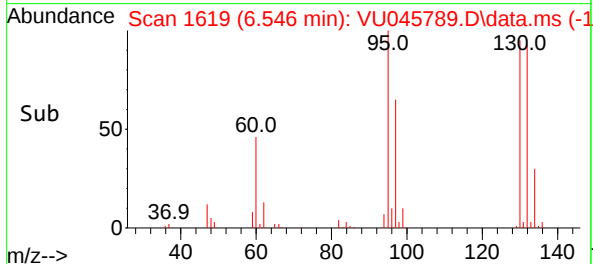
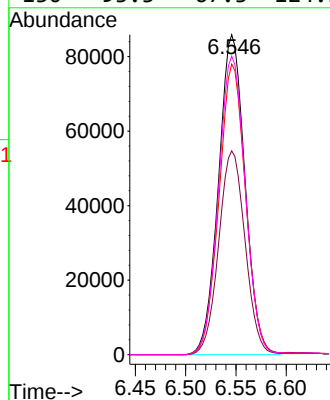
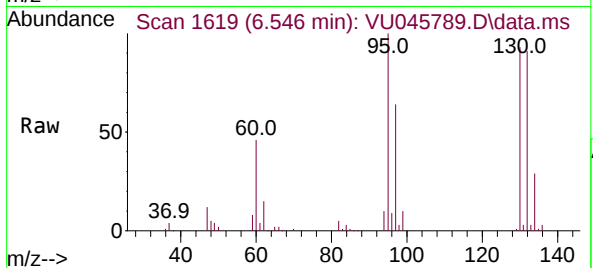




#34
Trichloroethene
Concen: 19.685 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

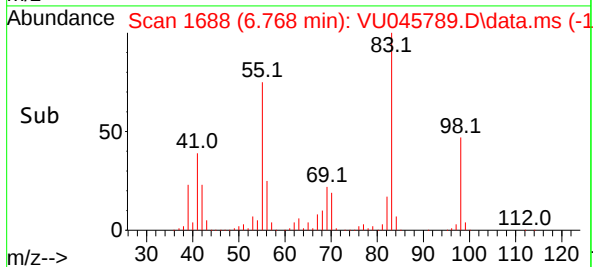
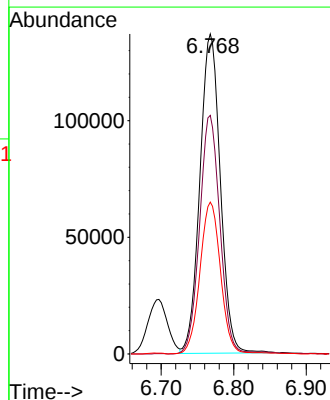
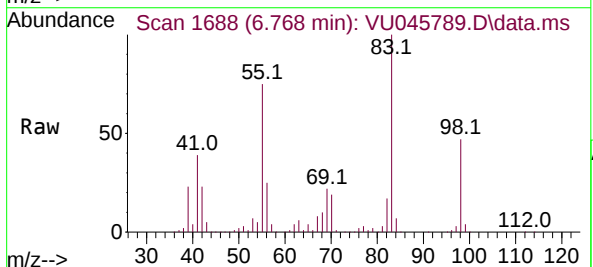
Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

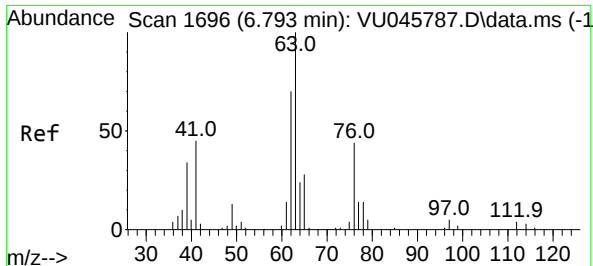
Tgt Ion: 95 Resp: 156894
Ion Ratio Lower Upper
95 100
97 63.7 46.5 86.5
132 90.8 65.1 120.9
130 93.3 67.3 124.9



#35
Methylcyclohexane
Concen: 19.936 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion: 83 Resp: 268140
Ion Ratio Lower Upper
83 100
55 74.3 61.9 92.9
98 47.8 39.0 58.6





#37

1,2-Dichloropropane

Concen: 19.651 ug/L

RT: 6.797 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

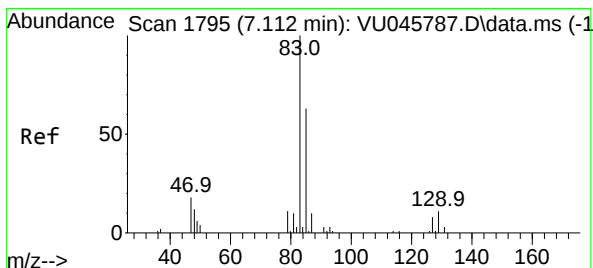
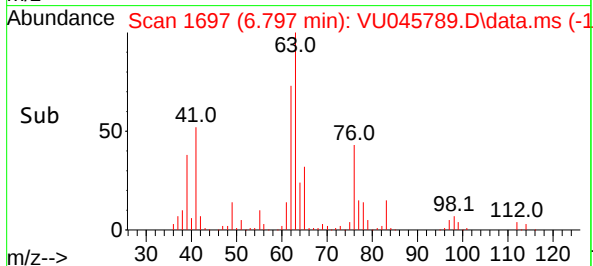
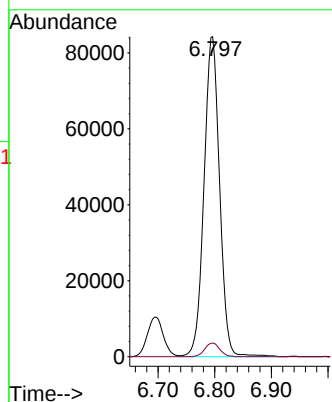
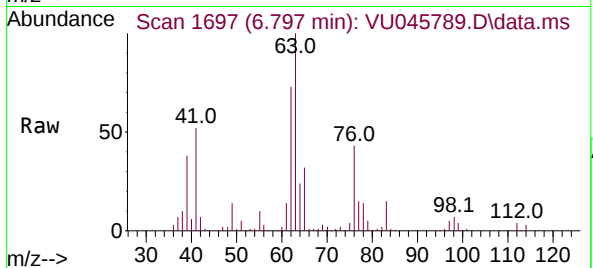
VSTD020038

Tgt Ion: 63 Resp: 161110

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 21.731 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.003 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

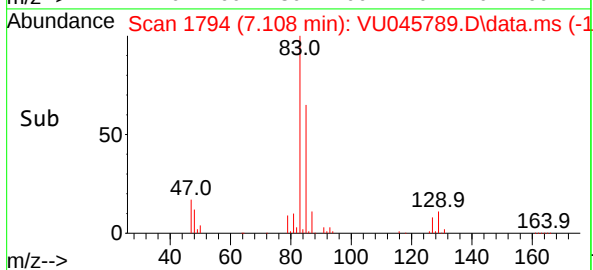
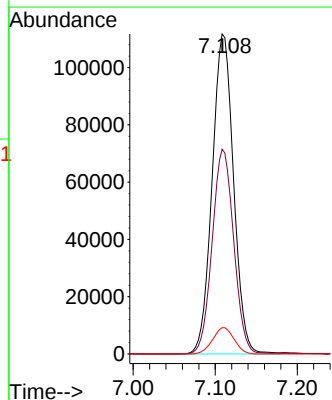
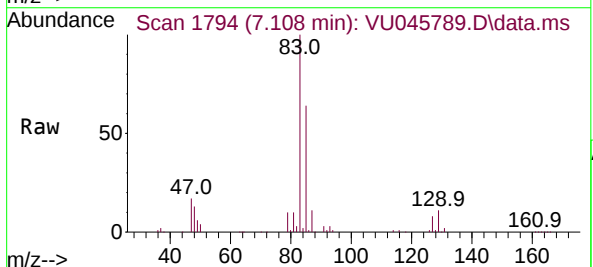
Tgt Ion: 83 Resp: 202919

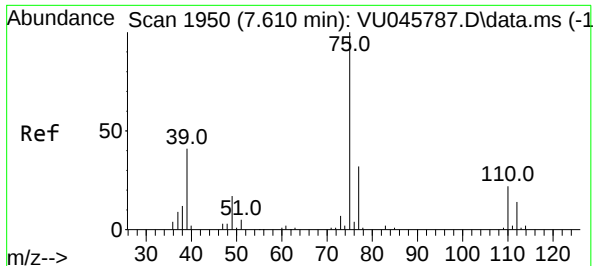
Ion Ratio Lower Upper

83 100

85 63.9 44.0 81.8

127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 21.382 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

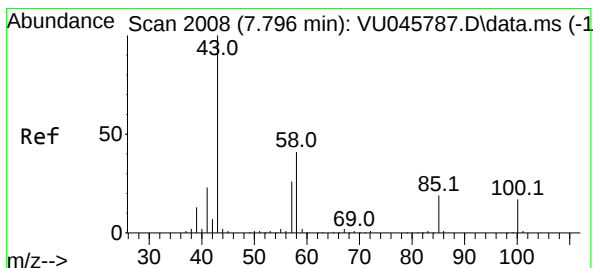
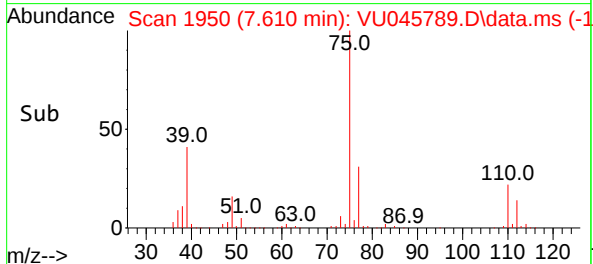
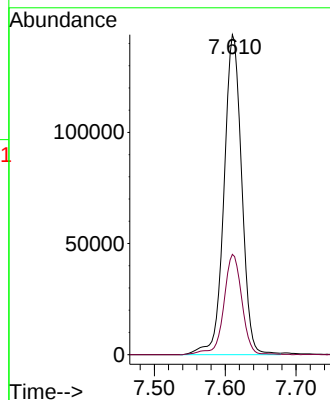
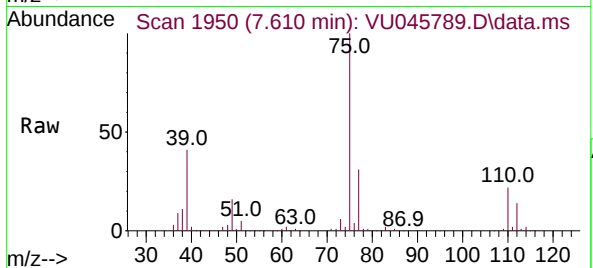
VSTD020038

Tgt Ion: 75 Resp: 250143

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 195.225 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

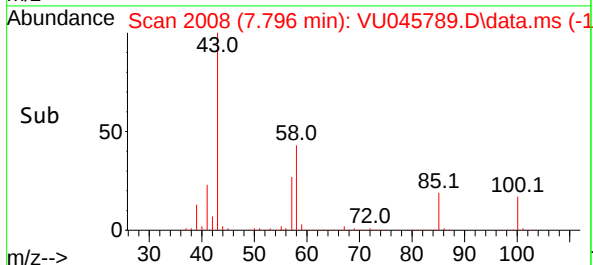
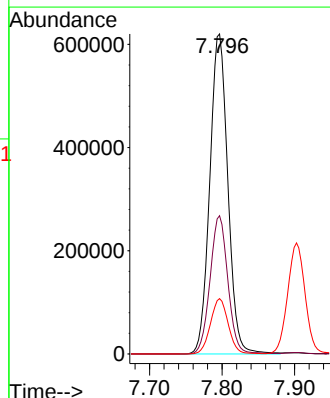
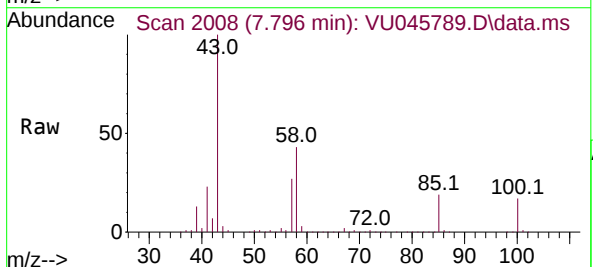
Tgt Ion: 43 Resp: 1072296

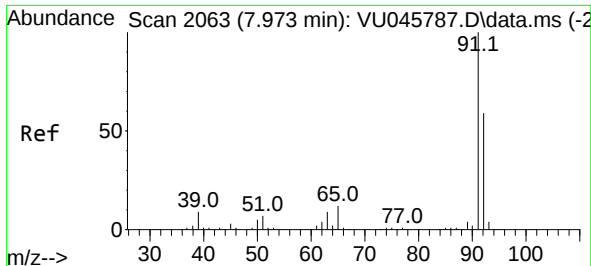
Ion Ratio Lower Upper

43 100

58 42.7 33.1 49.7

100 17.0 13.2 19.8





#42

Toluene

Concen: 19.502 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

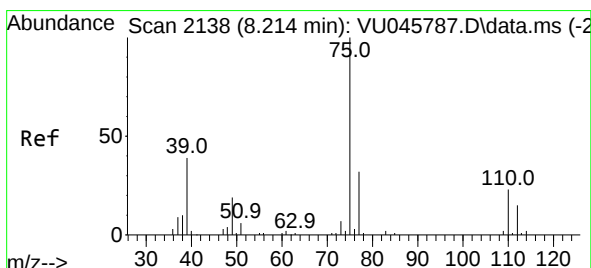
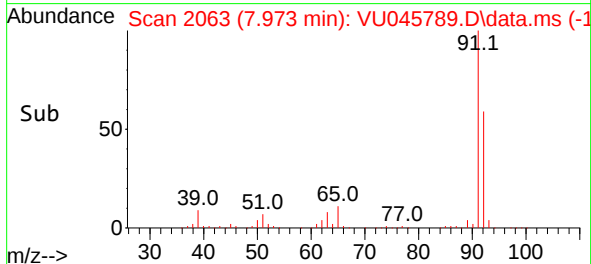
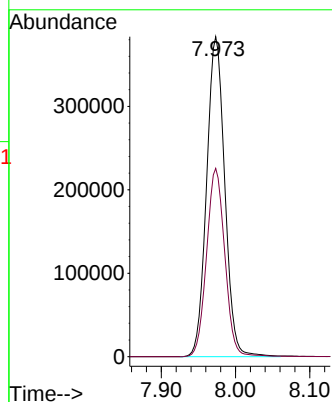
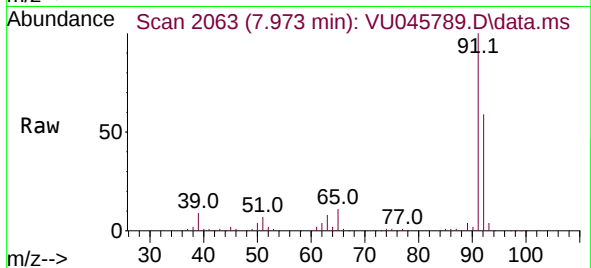
VSTD020038

Tgt Ion: 91 Resp: 650820

Ion Ratio Lower Upper

91 100

92 58.9 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 20.822 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU045789.D

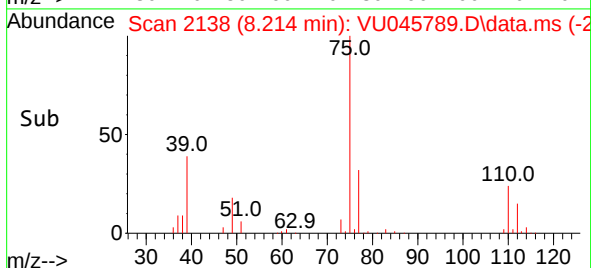
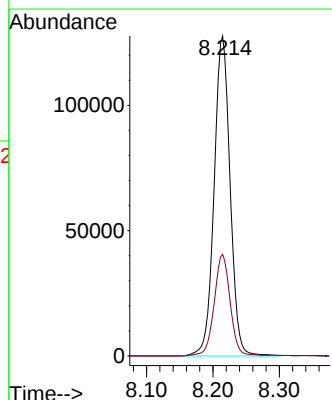
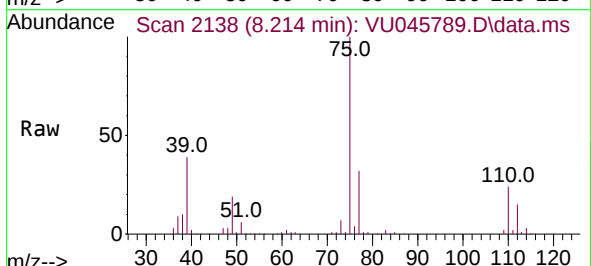
Acq: 15 Nov 2021 12:59

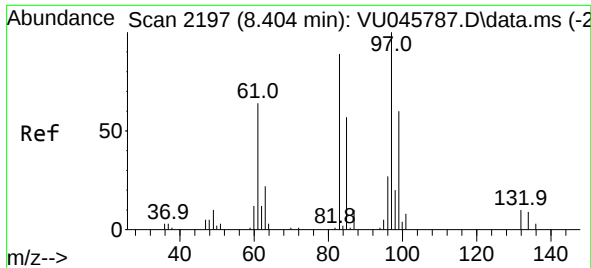
Tgt Ion: 75 Resp: 214076

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.3



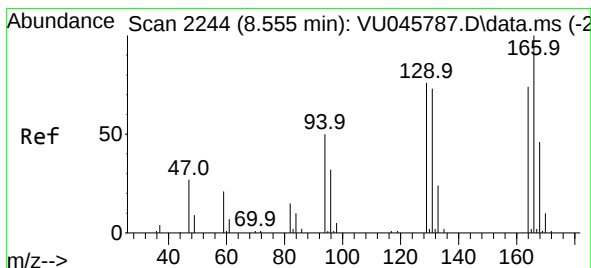
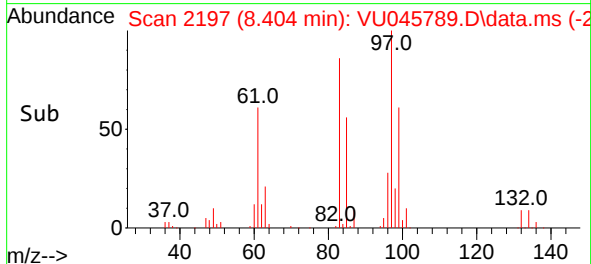
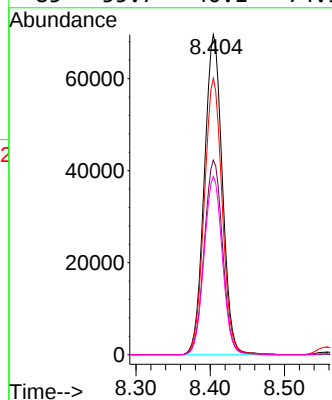
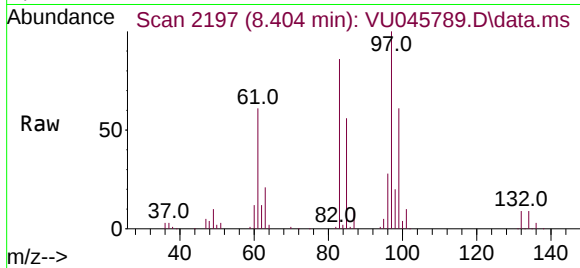


#45
1,1,2-Trichloroethane
Concen: 19.854 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

Tgt Ion: 97 Resp: 117432

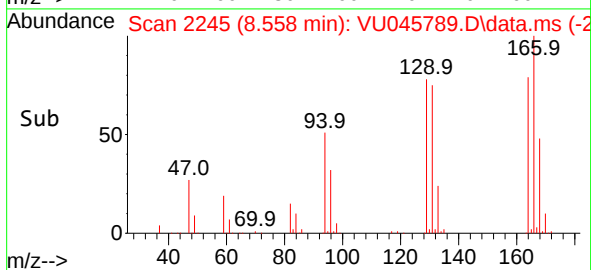
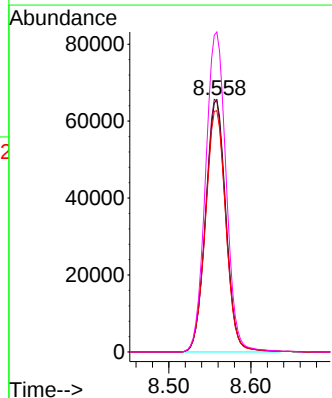
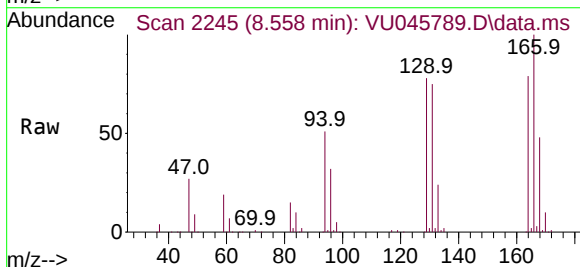
Ion	Ratio	Lower	Upper
97	100		
99	60.8	42.3	78.5
83	86.4	62.0	115.2
85	55.7	40.1	74.5

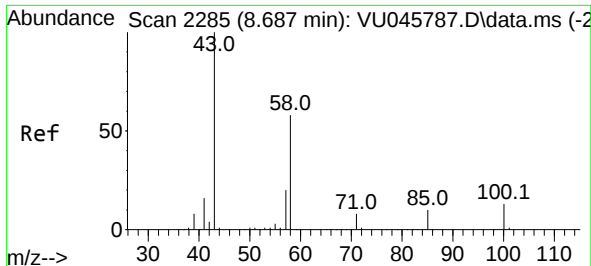


#47
Tetrachloroethene
Concen: 19.899 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion: 164 Resp: 112447

Ion	Ratio	Lower	Upper
164	100		
129	99.5	71.8	133.4
131	95.6	68.5	127.3
166	126.8	94.1	174.8

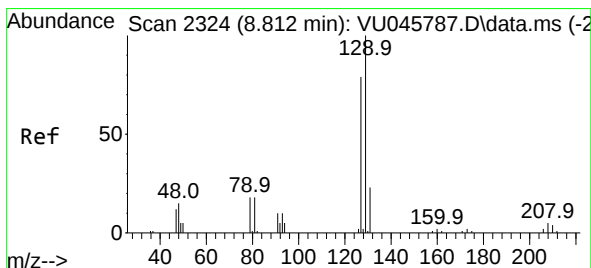
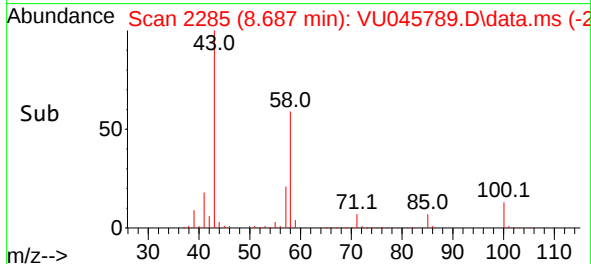
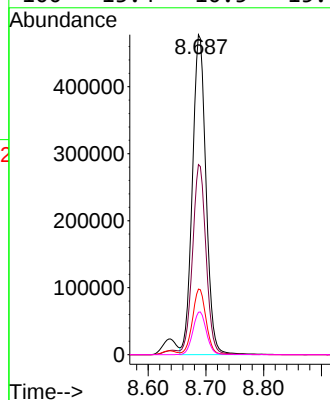
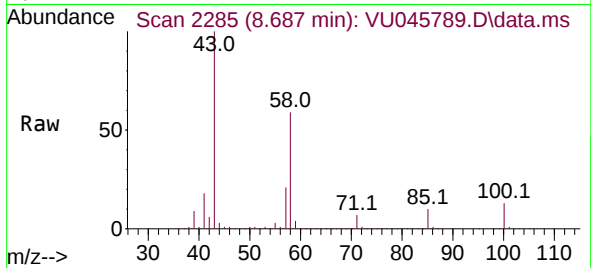




#48
2-Hexanone
Concen: 193.317 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

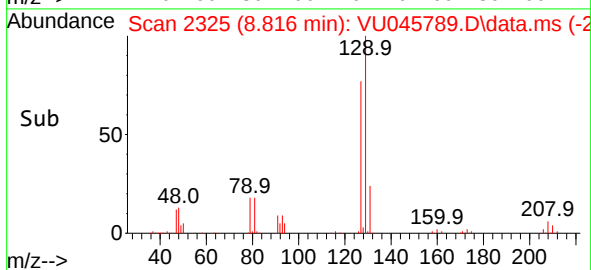
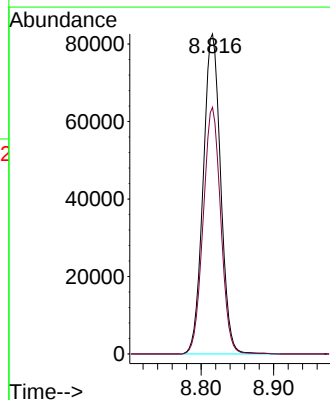
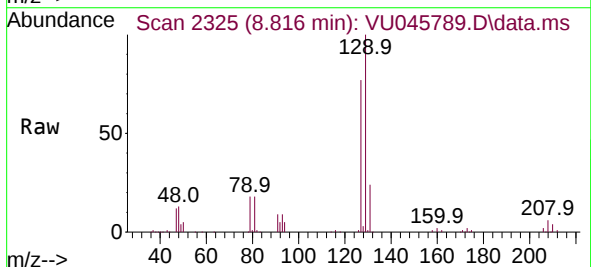
Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

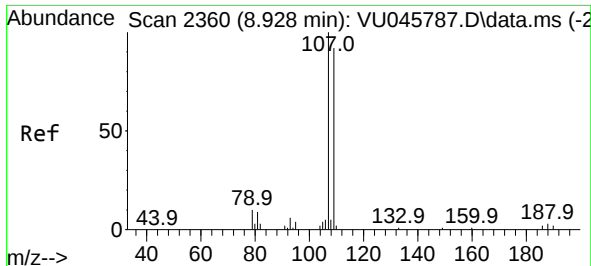
Tgt Ion:	43	Resp:	780469
Ion	Ratio	Lower	Upper
43	100		
58	59.1	46.7	70.1
57	20.4	16.3	24.5
100	13.4	10.5	15.7



#49
Dibromochloromethane
Concen: 23.073 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.003 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion:	129	Resp:	138495
Ion	Ratio	Lower	Upper
129	100		
127	77.1	55.4	102.8





#50

1,2-Dibromoethane

Concen: 21.142 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD020038

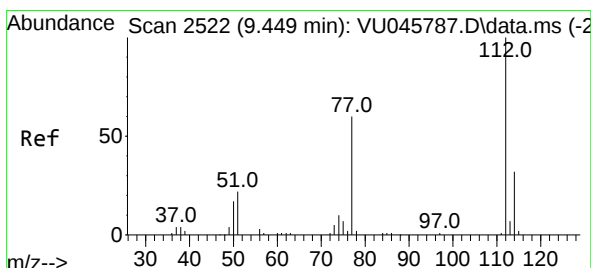
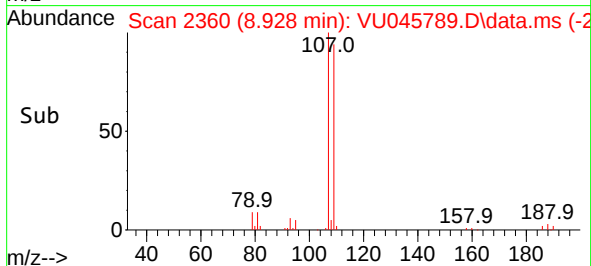
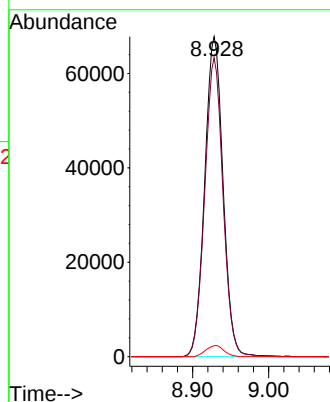
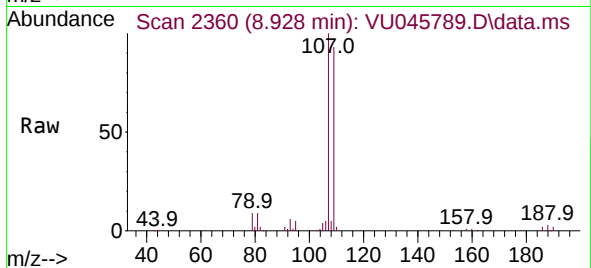
Tgt Ion:107 Resp: 113467

Ion Ratio Lower Upper

107 100

109 93.4 64.0 119.0

188 3.4 2.4 3.6



#51

Chlorobenzene

Concen: 20.023 ug/L

RT: 9.452 min Scan# 2523

Delta R.T. 0.003 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

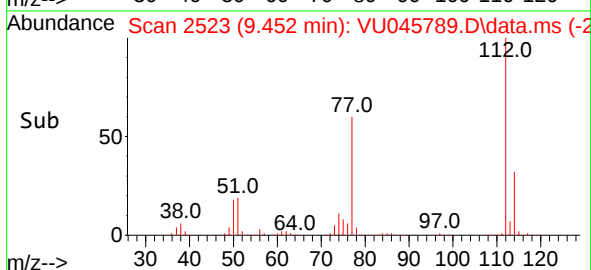
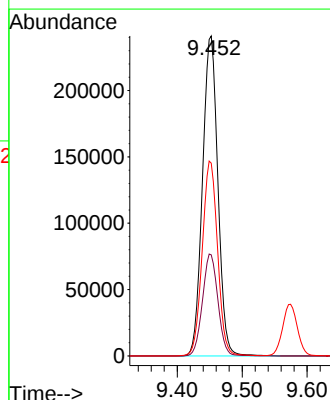
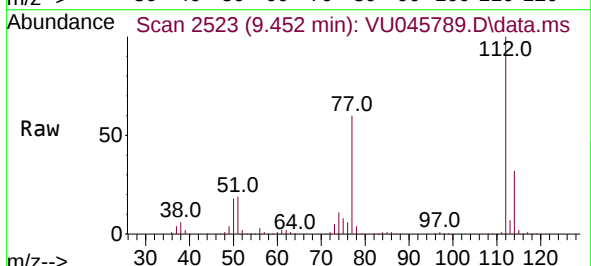
Tgt Ion:112 Resp: 397919

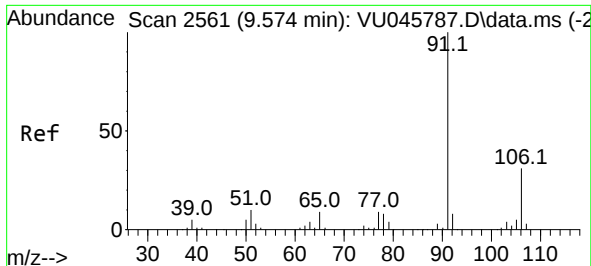
Ion Ratio Lower Upper

112 100

114 31.6 22.1 41.1

77 60.3 48.3 72.5

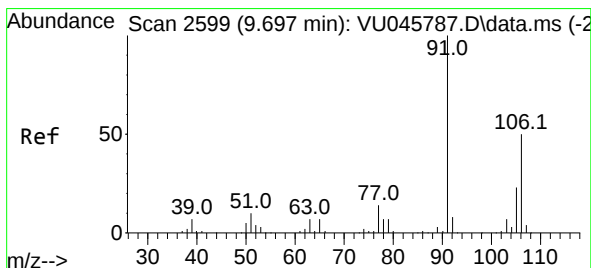
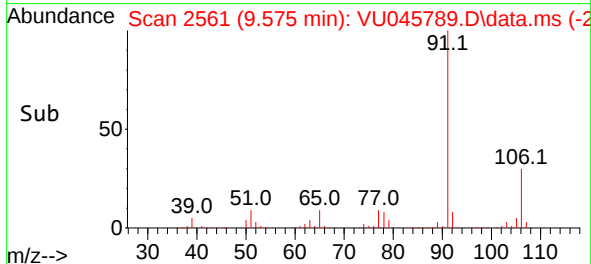
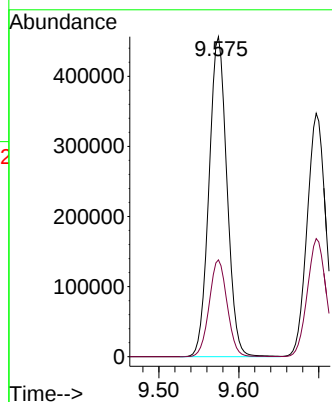
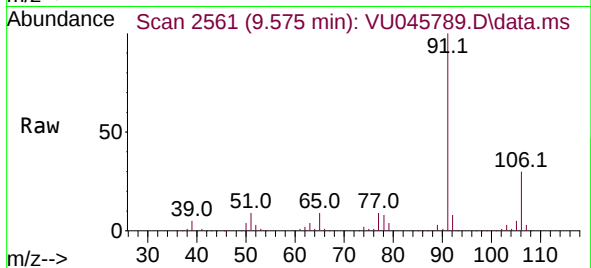




#52
Ethylbenzene
Concen: 20.635 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

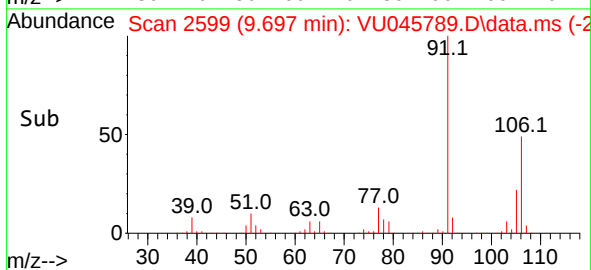
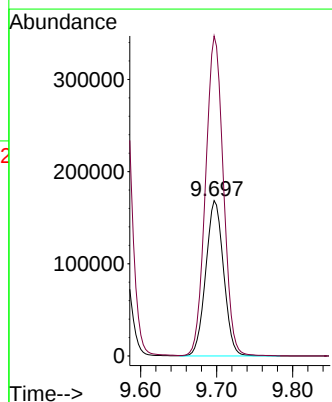
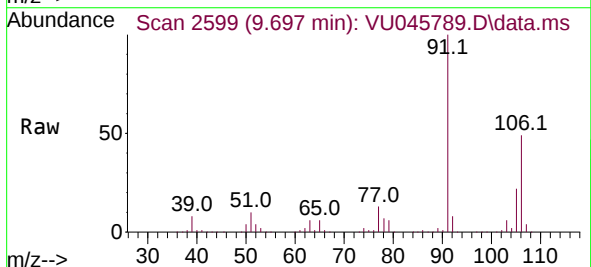
Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

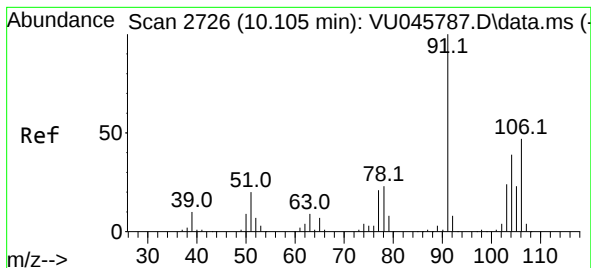
Tgt Ion: 91 Resp: 711331
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 20.484 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion: 106 Resp: 275087
Ion Ratio Lower Upper
106 100
91 205.9 139.4 259.0





#54

o-Xylene

Concen: 20.201 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

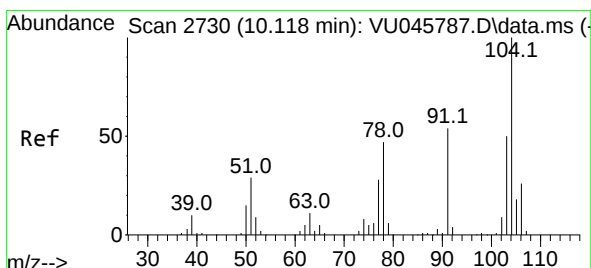
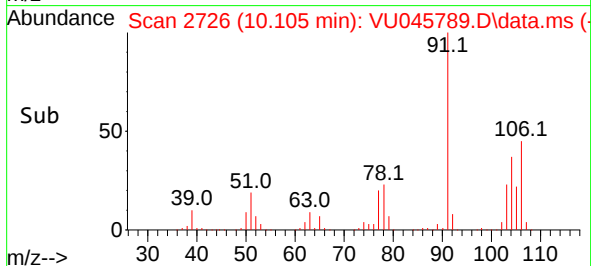
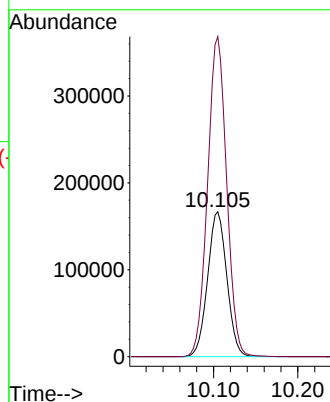
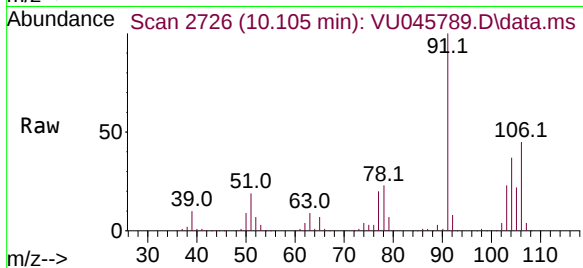
VSTD020038

Tgt Ion:106 Resp: 264903

Ion Ratio Lower Upper

106 100

91 220.8 147.5 273.9



#55

Styrene

Concen: 20.959 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.000 min

Lab File: VU045789.D

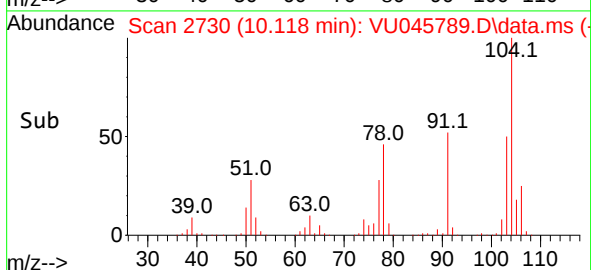
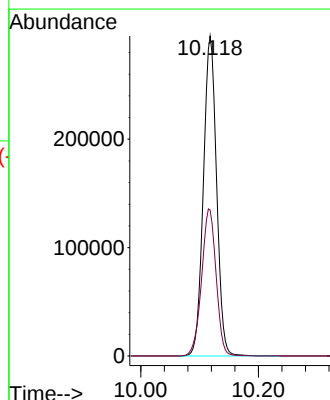
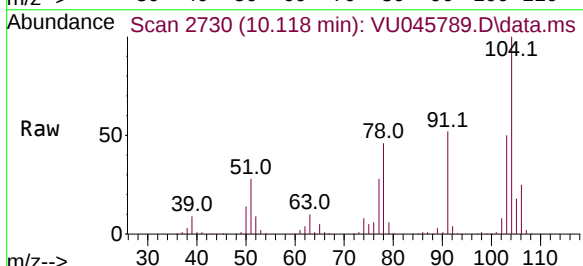
Acq: 15 Nov 2021 12:59

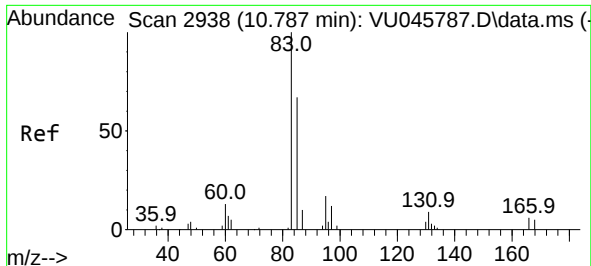
Tgt Ion:104 Resp: 458763

Ion Ratio Lower Upper

104 100

78 45.6 33.0 61.4

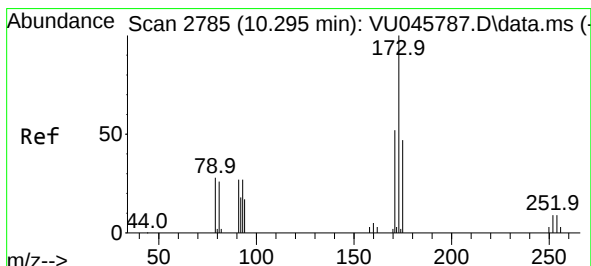
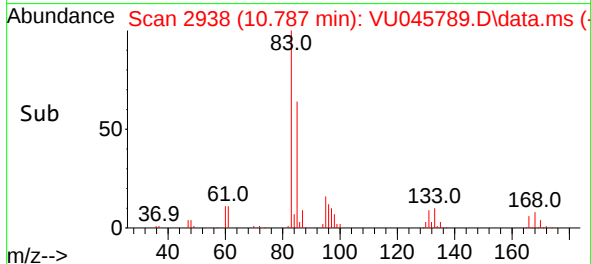
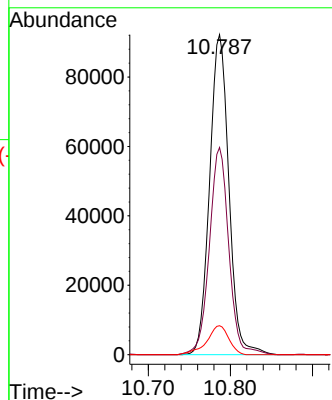
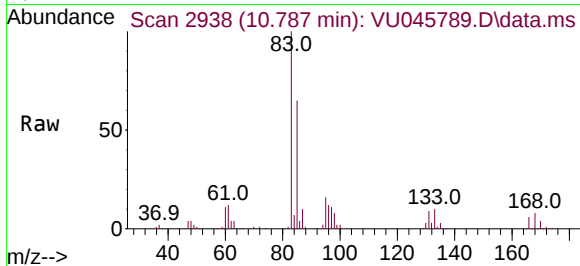




#57
1,1,2,2-Tetrachloroethane
Concen: 18.938 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

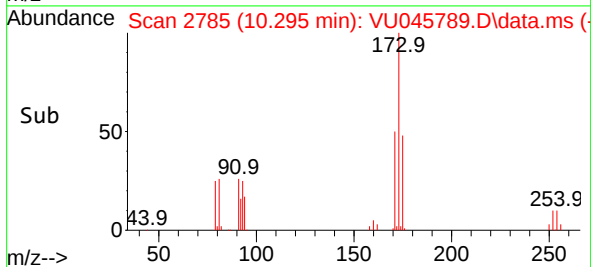
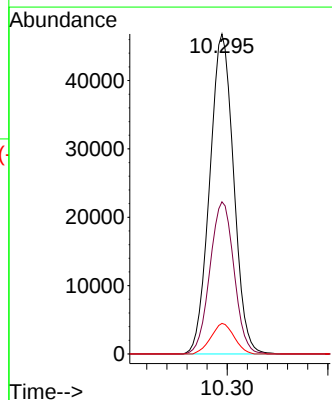
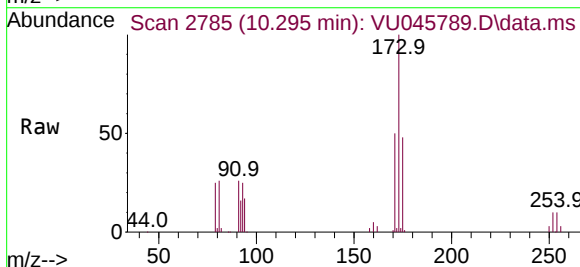
Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

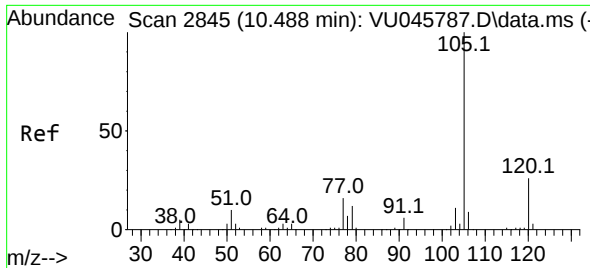
Tgt Ion: 83 Resp: 150111
Ion Ratio Lower Upper
83 100
85 64.7 47.9 89.1
131 9.1 8.1 12.1



#59
Bromoform
Concen: 22.196 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion:173 Resp: 77302
Ion Ratio Lower Upper
173 100
175 47.8 37.8 56.6
254 9.2 7.3 10.9

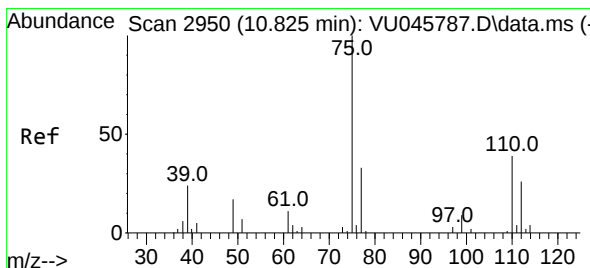
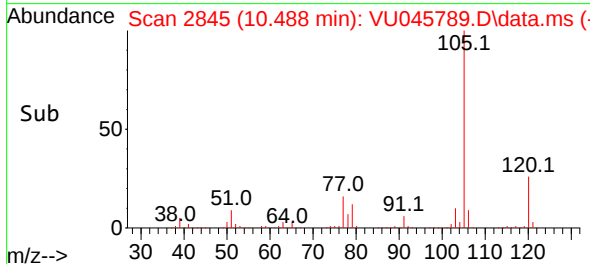
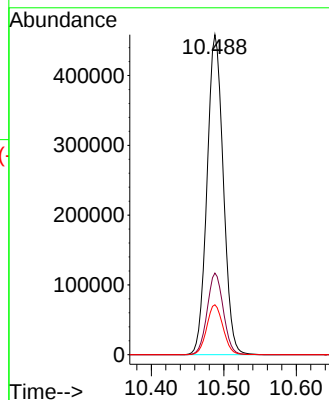
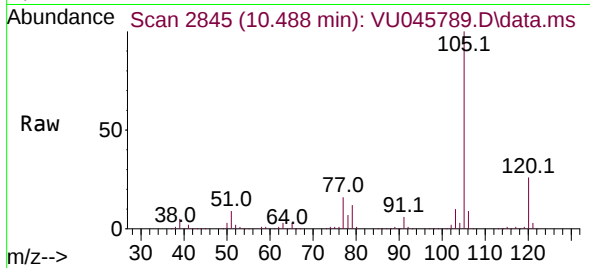




#60
Isopropylbenzene
Concen: 20.291 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

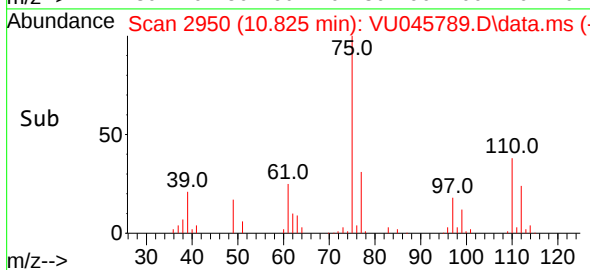
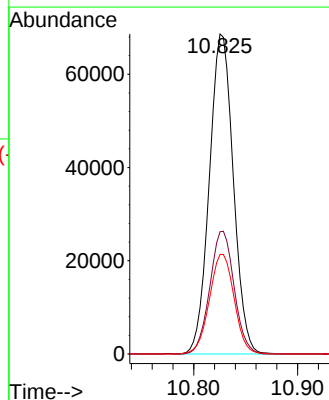
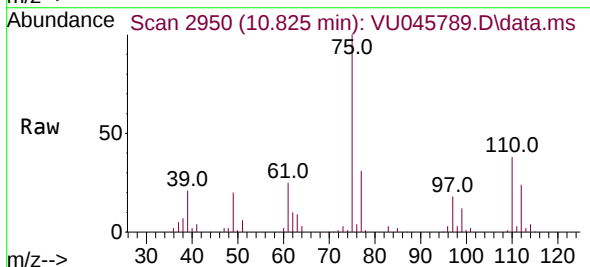
Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

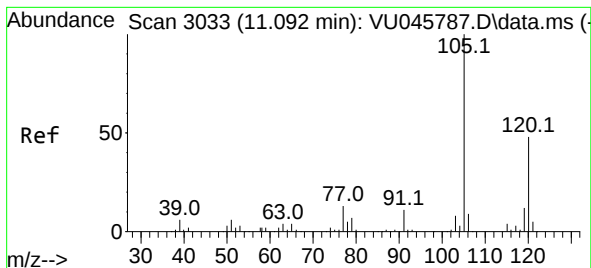
Tgt Ion:105 Resp: 712945
Ion Ratio Lower Upper
105 100
120 25.4 20.7 31.1
77 15.7 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 18.240 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion: 75 Resp: 109978
Ion Ratio Lower Upper
75 100
110 38.9 29.9 44.9
77 32.2 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 21.417 ug/L

RT: 11.092 min Scan# 3033

Delta R.T. 0.000 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

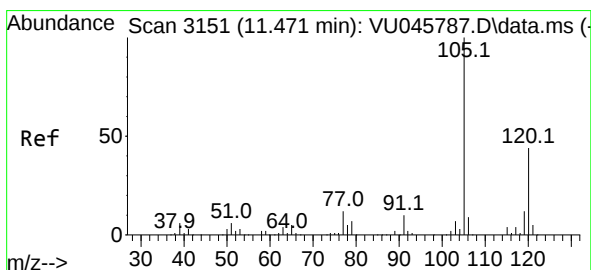
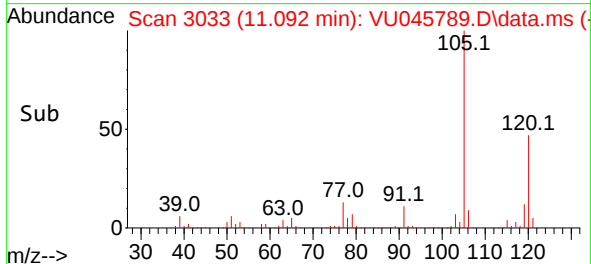
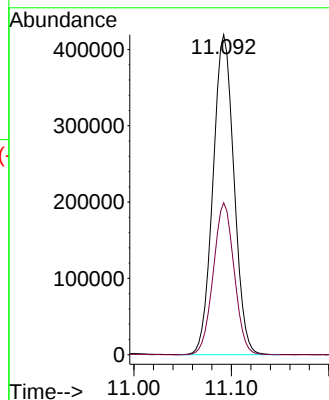
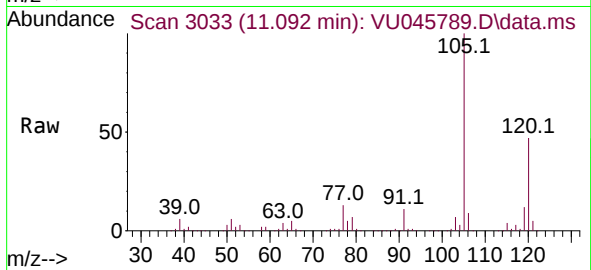
VSTD020038

Tgt Ion:105 Resp: 628637

Ion Ratio Lower Upper

105 100

120 47.2 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 21.344 ug/L

RT: 11.472 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VU045789.D

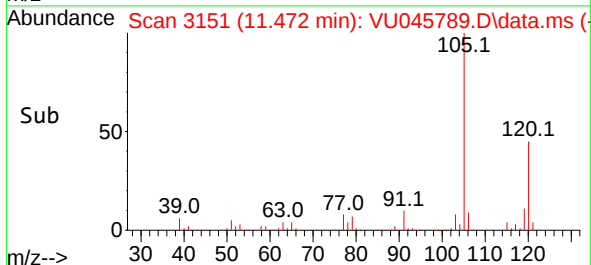
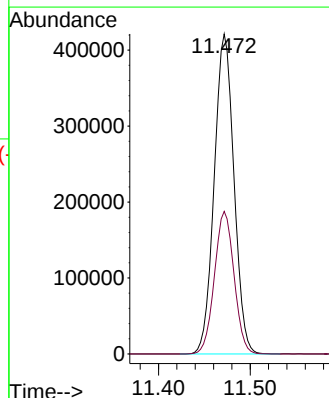
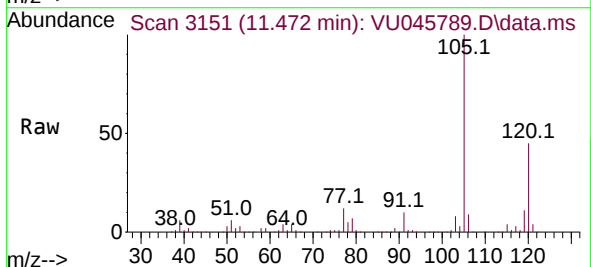
Acq: 15 Nov 2021 12:59

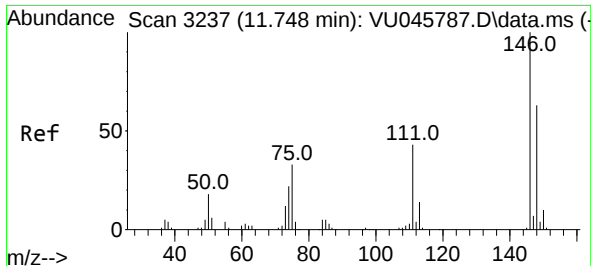
Tgt Ion:105 Resp: 629176

Ion Ratio Lower Upper

105 100

120 44.2 35.8 53.8

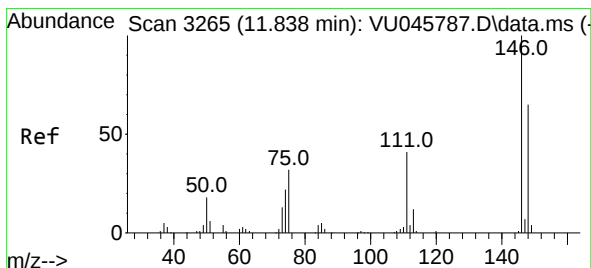
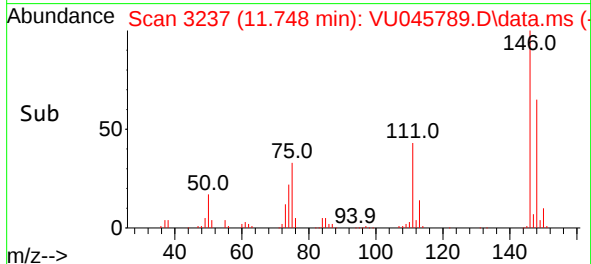
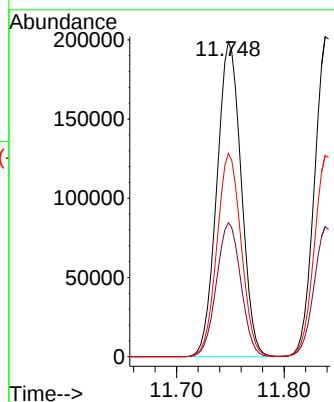
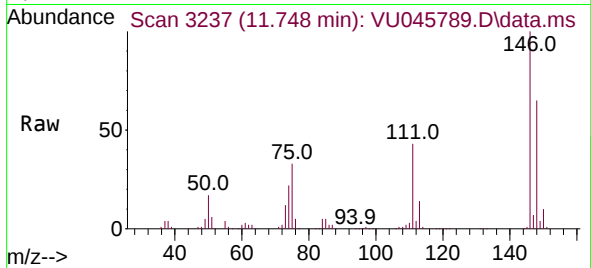




#64
1,3-Dichlorobenzene
Concen: 19.478 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

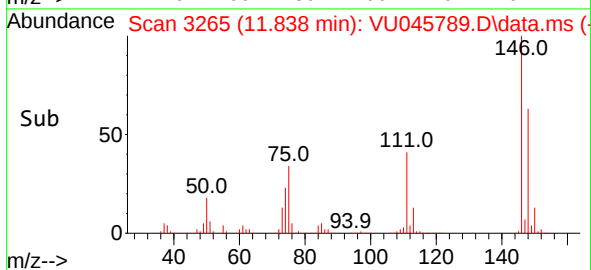
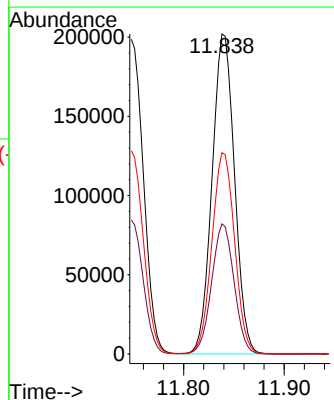
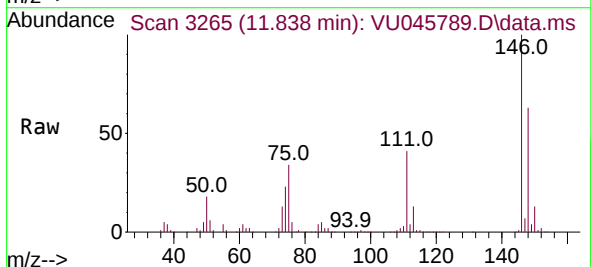
Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

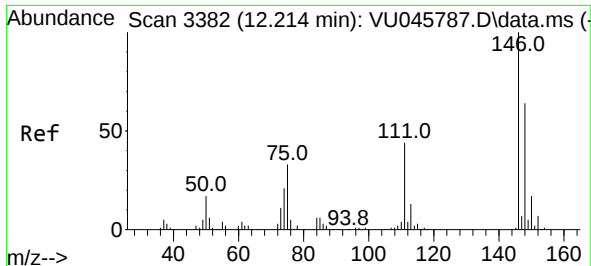
Tgt Ion:146 Resp: 312382
Ion Ratio Lower Upper
146 100
111 42.5 29.9 55.5
148 64.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 19.414 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion:146 Resp: 313537
Ion Ratio Lower Upper
146 100
111 40.6 28.7 53.3
148 62.9 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 19.108 ug/L

RT: 12.217 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD020038

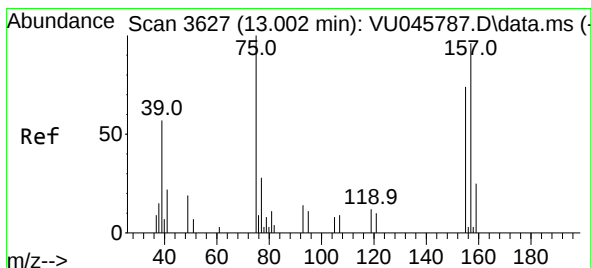
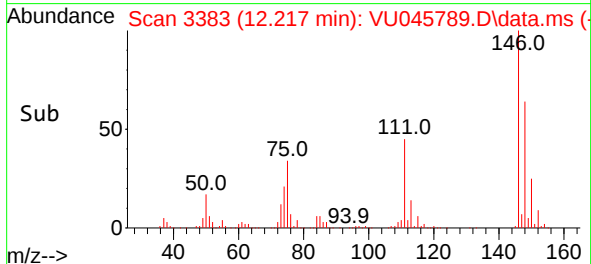
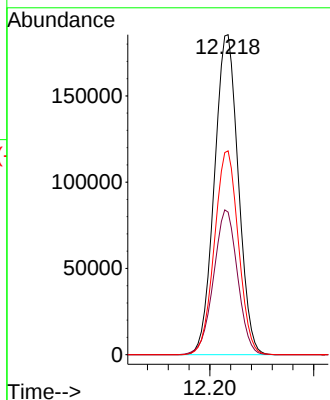
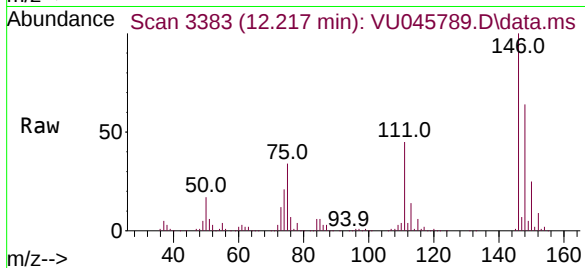
Tgt Ion:146 Resp: 296639

Ion Ratio Lower Upper

146 100

111 44.5 35.4 53.0

148 63.7 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 19.479 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.003 min

Lab File: VU045789.D

Acq: 15 Nov 2021 12:59

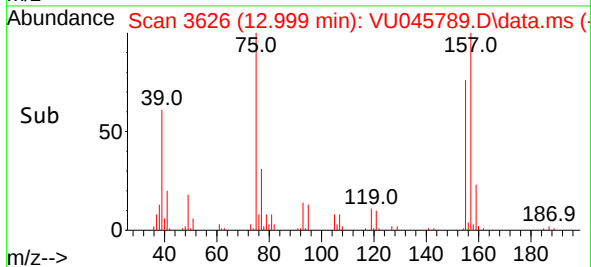
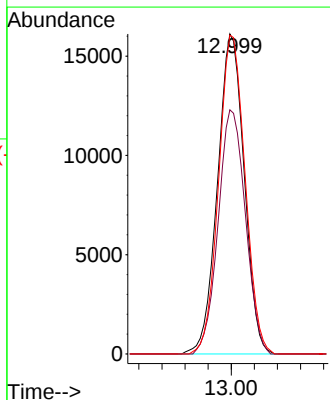
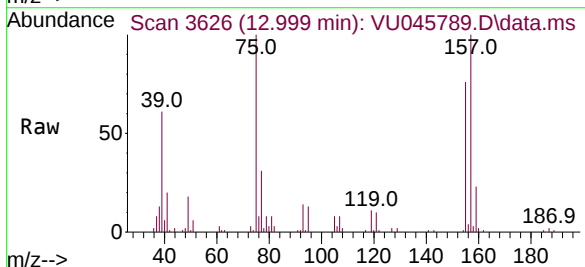
Tgt Ion: 75 Resp: 25799

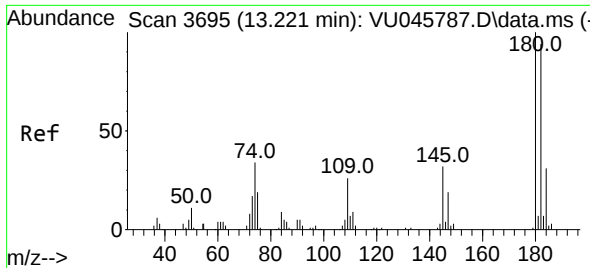
Ion Ratio Lower Upper

75 100

155 76.3 59.2 88.8

157 99.7 76.5 114.7

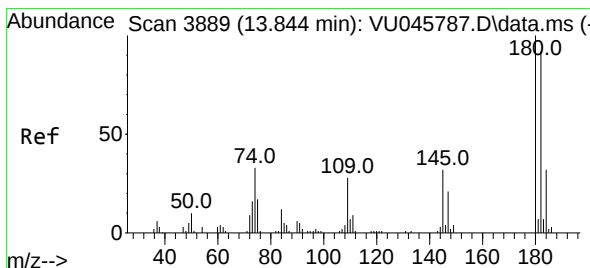
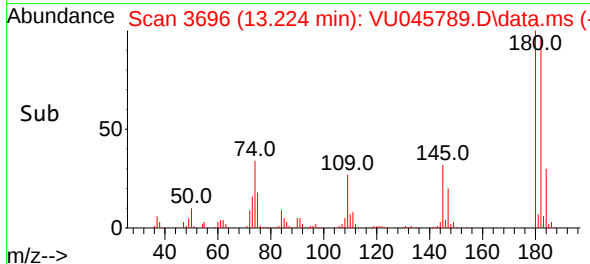
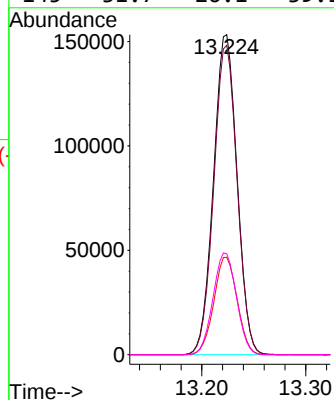
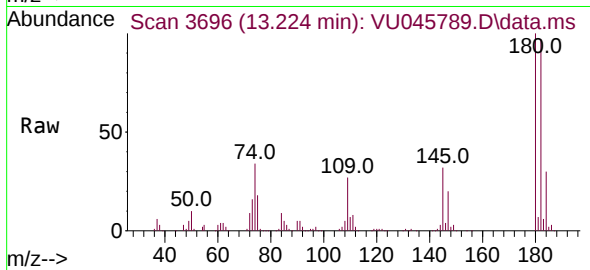




#69
 1,3,5-Trichlorobenzene
 Concen: 20.462 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.003 min
 Lab File: VU045789.D
 Acq: 15 Nov 2021 12:59

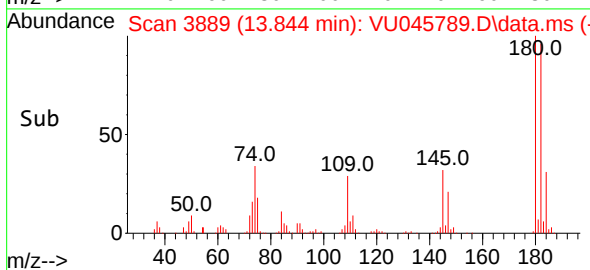
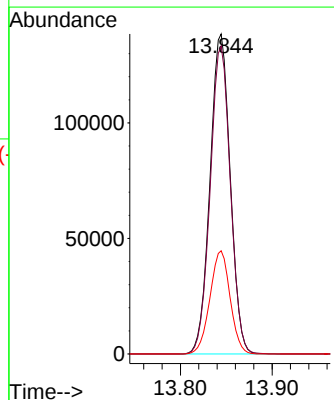
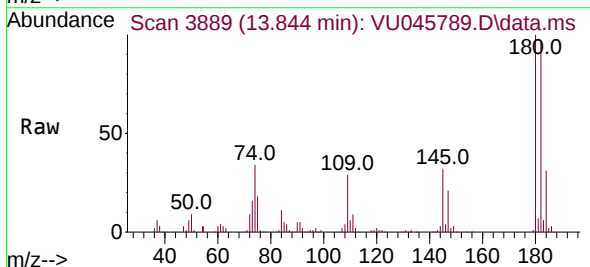
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020038

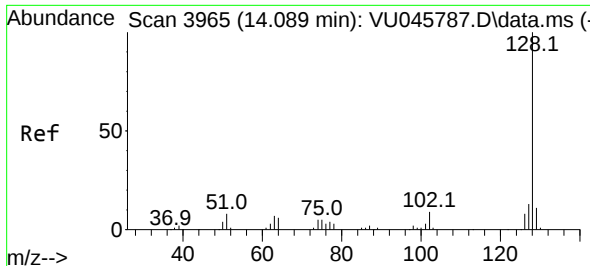
Tgt Ion:180	Resp:	241425
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.1 114.1
184	30.2	25.0 37.4
145	31.7	26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 20.372 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.000 min
 Lab File: VU045789.D
 Acq: 15 Nov 2021 12:59

Tgt Ion:180	Resp:	212351
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.4 114.6
145	32.1	25.6 38.4

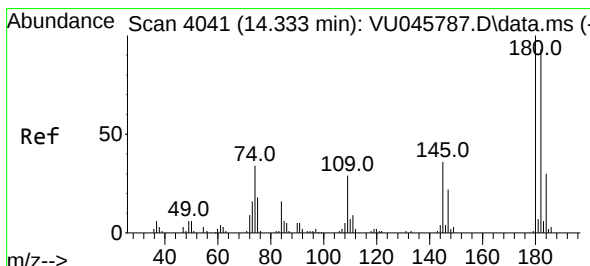
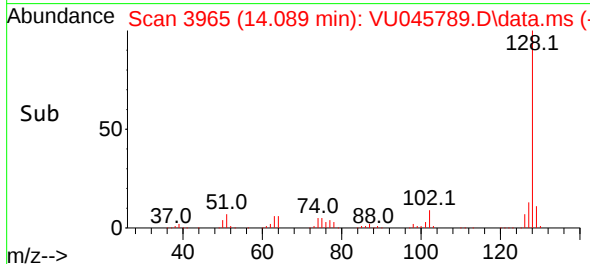
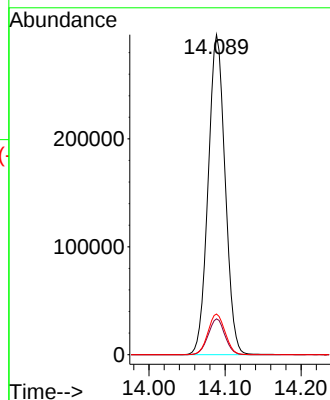
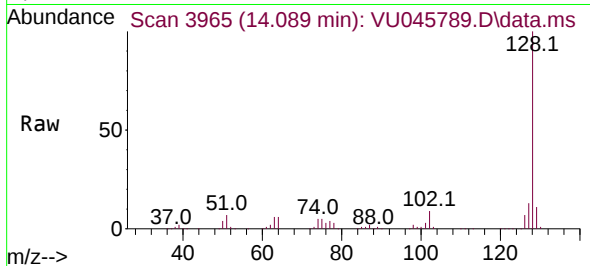




#71
Naphthalene
Concen: 20.731 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD020038

Tgt Ion:128 Resp: 459424
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 12.8 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 20.389 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU045789.D
Acq: 15 Nov 2021 12:59

Tgt Ion:180 Resp: 202904
Ion Ratio Lower Upper
180 100
182 94.7 76.2 114.4
145 34.3 28.4 42.6

