

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111521\
 Data File : VU045787.D
 Acq On : 15 Nov 2021 11:51
 Operator : SY/MD
 Sample : VSTD00536
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005036

Quant Time: Nov 16 02:24:13 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	98420	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	98883	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	50106	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41920	5.117	ug/L	0.00
7) Chloroethane-d5	1.916	69	32048	5.901	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	65	18270	5.598	ug/L	0.00
20) 2-Butanone-d5	4.642	46	113686	47.789	ug/L	0.00
24) Chloroform-d	5.070	84	69917	5.163	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	40619	5.725	ug/L	0.00
32) Benzene-d6	5.732	84	147806	5.170	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.697	67	45895	4.818	ug/L	0.00
41) Toluene-d8	7.902	98	133331	5.031	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	18631	4.850	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	86854	41.654	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.761	84	39481	4.729	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	45504	4.811	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	42525	4.964	ug/L	100
3) Chloromethane	1.520	50	44835	4.471	ug/L	100
5) Vinyl chloride	1.604	62	45907	4.751	ug/L	100
6) Bromomethane	1.861	94	26405	5.785	ug/L	100
8) Chloroethane	1.938	64	26285	5.715	ug/L	100
9) Trichlorofluoromethane	2.141	101	58445	6.665	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	34361	5.373	ug/L	100
12) 1,1-Dichloroethene	2.581	96	32274	5.205	ug/L	100
13) Acetone	2.658	43	62474	49.618	ug/L	100
14) Carbon disulfide	2.797	76	99772	4.681	ug/L	100
15) Methyl Acetate	2.961	43	16008	4.892	ug/L	100
16) Methylene chloride	3.051	84	38817	4.935	ug/L	100
17) Methyl tert-butyl Ether	3.369	73	86218	4.960	ug/L	100
18) trans-1,2-Dichloroethene	3.356	96	33737	4.927	ug/L	100
19) 1,1-Dichloroethane	3.874	63	64246	5.098	ug/L	100
21) 2-Butanone	4.723	43	112862	52.461	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	37410	5.121	ug/L	100
23) Bromochloromethane	4.980	128	17026	5.392	ug/L	100
25) Chloroform	5.092	83	68859	5.492	ug/L	100
27) 1,2-Dichloroethane	5.800	62	44558	5.765	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	56133	5.507	ug/L	100
30) Cyclohexane	5.391	56	55516	4.665	ug/L	100
31) Carbon tetrachloride	5.530	117	47856	5.674	ug/L	100
33) Benzene	5.780	78	145334	5.018	ug/L	100
34) Trichloroethene	6.546	95	35982	4.762	ug/L	100
35) Methylcyclohexane	6.767	83	56907	4.463	ug/L	100
37) 1,2-Dichloropropane	6.793	63	38438	4.945	ug/L	100
38) Bromodichloromethane	7.112	83	47198	5.332	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	53689	4.841	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	260435	50.014	ug/L	100
42) Toluene	7.973	91	154954	4.898	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	47633	4.887	ug/L	100

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Quant Time: Nov 16 02:24:13 2021
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 02:21:17 2021
 Response via : Initial Calibration

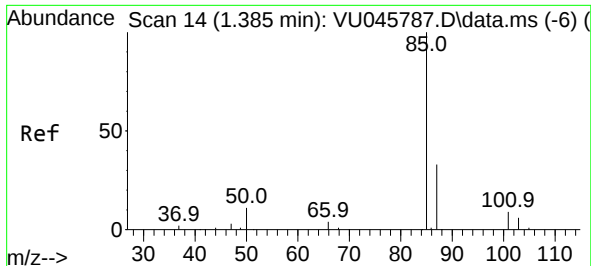
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.404	97	28314	5.049	ug/L	100
47) Tetrachloroethene	8.555	164	26140	4.879	ug/L	100
48) 2-Hexanone	8.687	43	195917	51.187	ug/L	100
49) Dibromochloromethane	8.812	129	32245	5.666	ug/L	100
50) 1,2-Dibromoethane	8.928	107	27349	5.375	ug/L	100
51) Chlorobenzene	9.449	112	93947	4.987	ug/L	100
52) Ethylbenzene	9.574	91	157686	4.825	ug/L	100
53) m,p-Xylene	9.697	106	62885	4.939	ug/L	100
54) o-Xylene	10.105	106	60154	4.839	ug/L	100
55) Styrene	10.118	104	104521	5.037	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.787	83	36170	4.813	ug/L	100
59) Bromoform	10.295	173	17495	5.450	ug/L	100
60) Isopropylbenzene	10.488	105	159726	4.932	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	26863	4.834	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	130204	4.813	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	132516	4.877	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	72176	4.883	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	72486	4.870	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	70398	4.920	ug/L	100
68) 1,2-Dibromo-3-chloropr...	13.002	75	5708	4.676	ug/L	100
69) 1,3,5-Trichlorobenzene	13.221	180	52598	4.837	ug/L	100
70) 1,2,4-trichlorobenzene	13.844	180	44405	4.622	ug/L	100
71) Naphthalene	14.089	128	91632	4.486	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	44018	4.799	ug/L	100

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

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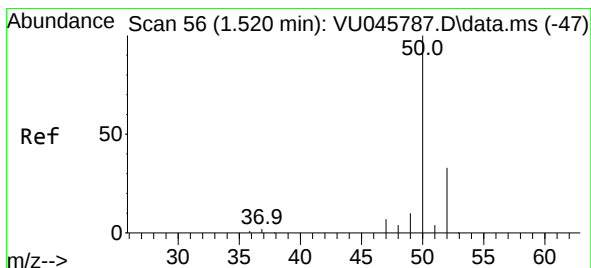
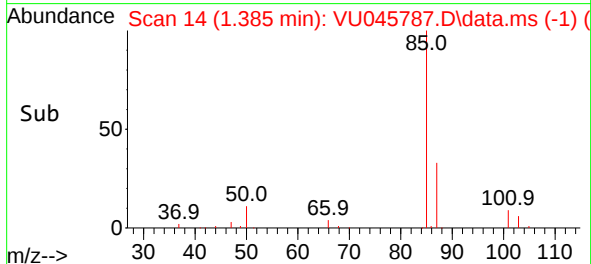
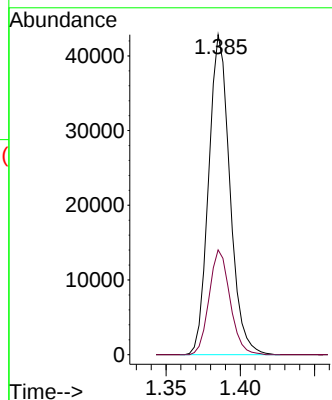
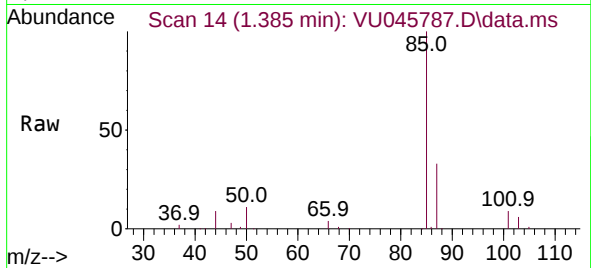




#2
Dichlorodifluoromethane
Concen: 4.964 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

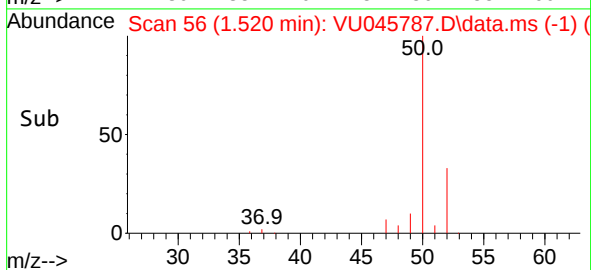
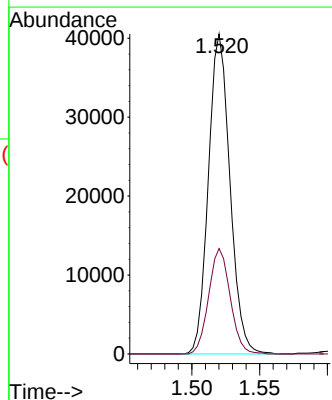
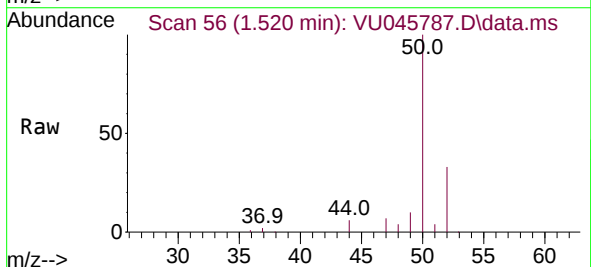
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

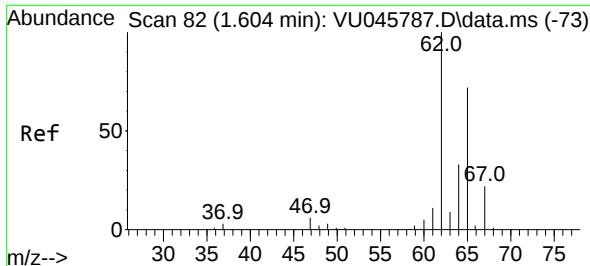
Tgt Ion: 85 Resp: 42525
Ion Ratio Lower Upper
85 100
87 32.2 25.8 38.6



#3
Chloromethane
Concen: 4.471 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion: 50 Resp: 44835
Ion Ratio Lower Upper
50 100
52 32.9 23.0 42.8

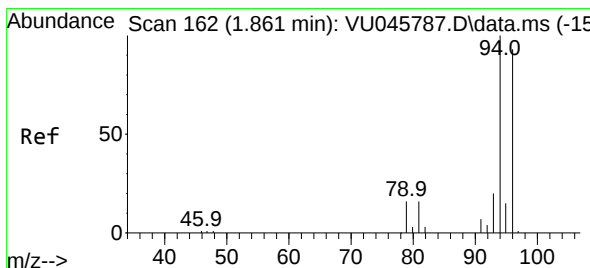
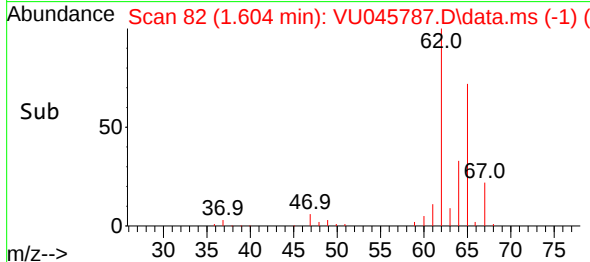
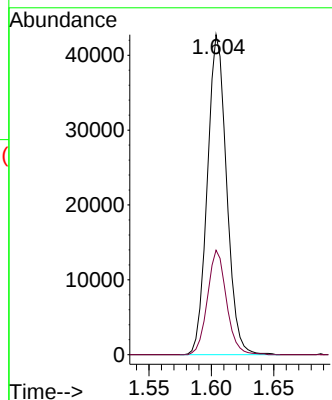
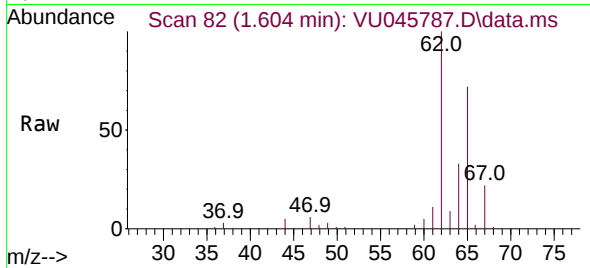




#5
 Vinyl chloride
 Concen: 4.751 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU045787.D
 Acq: 15 Nov 2021 11:51

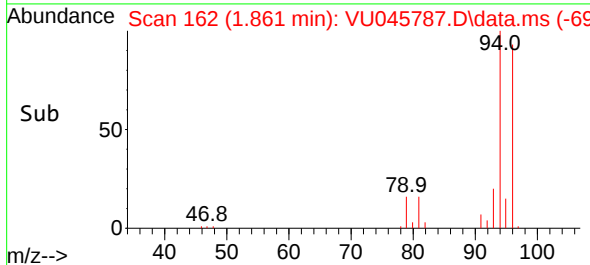
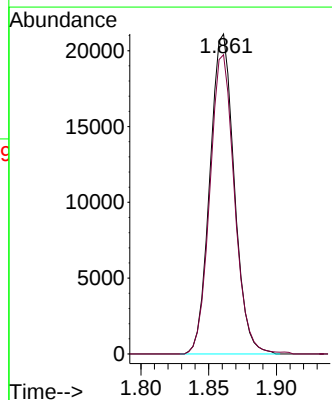
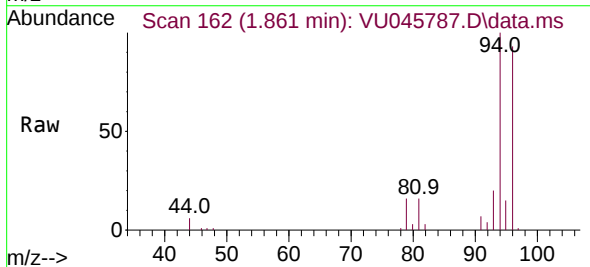
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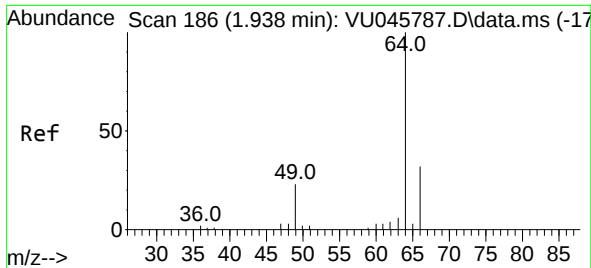
Tgt Ion: 62 Resp: 45907
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5



#6
 Bromomethane
 Concen: 5.785 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU045787.D
 Acq: 15 Nov 2021 11:51

Tgt Ion: 94 Resp: 26405
 Ion Ratio Lower Upper
 94 100
 96 93.5 65.5 121.6

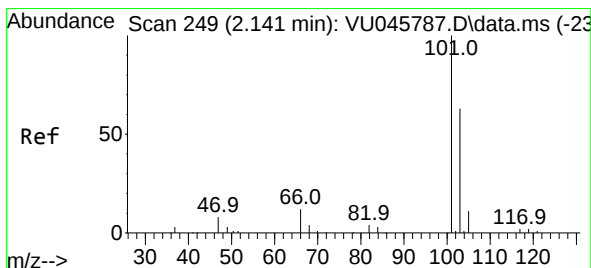
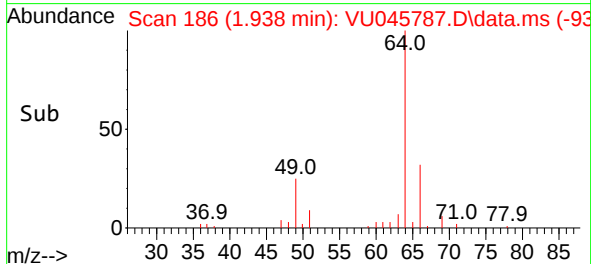
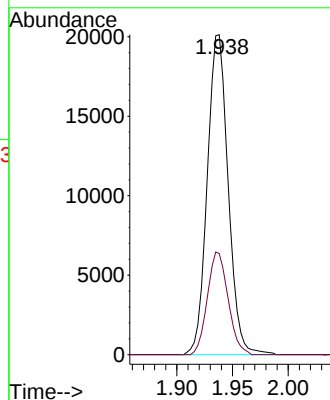
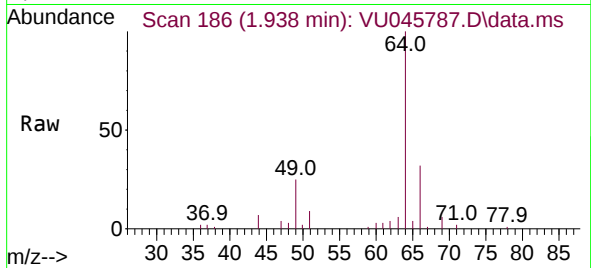




#8
Chloroethane
Concen: 5.715 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

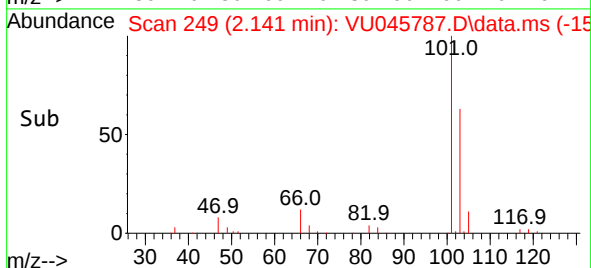
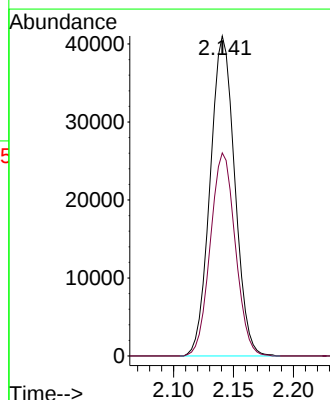
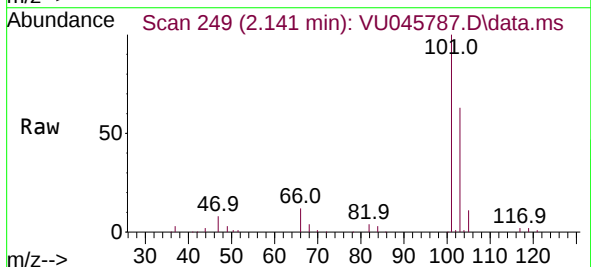
Instrument :
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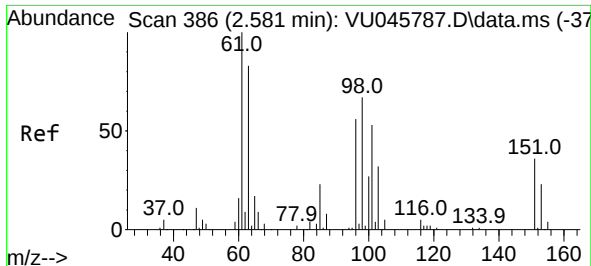
Tgt Ion: 64 Resp: 26285
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 6.665 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion:101 Resp: 58445
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3

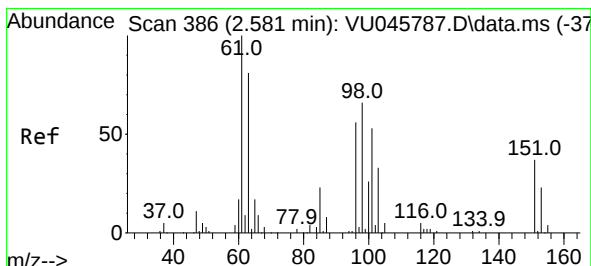
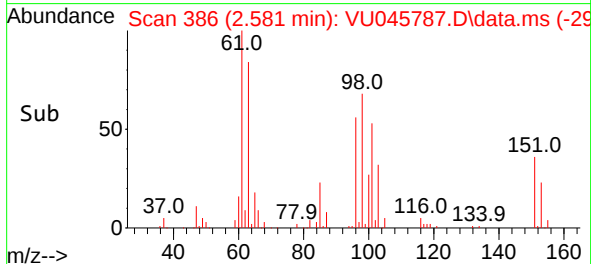
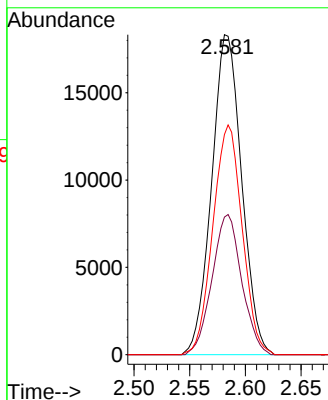
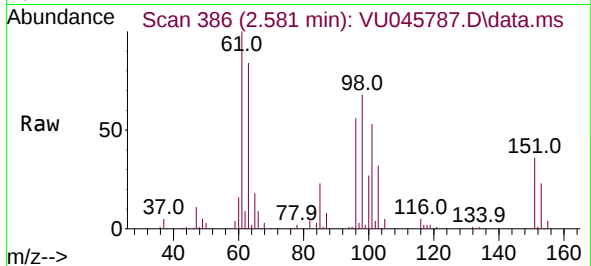




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.373 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU045787.D
 Acq: 15 Nov 2021 11:51

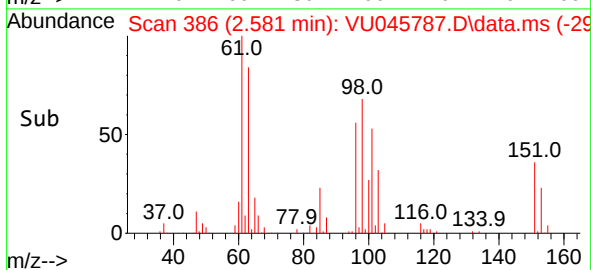
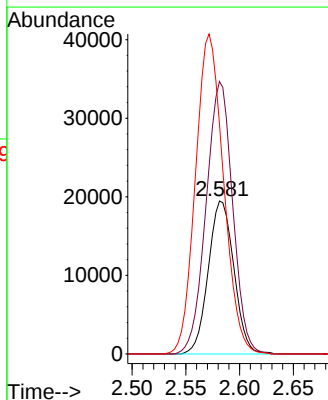
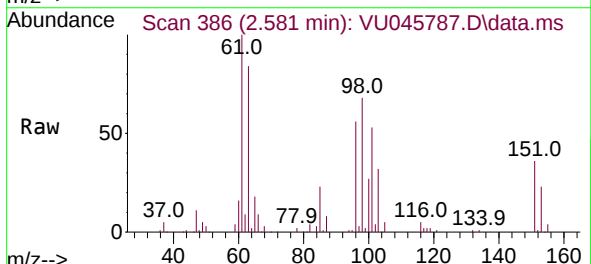
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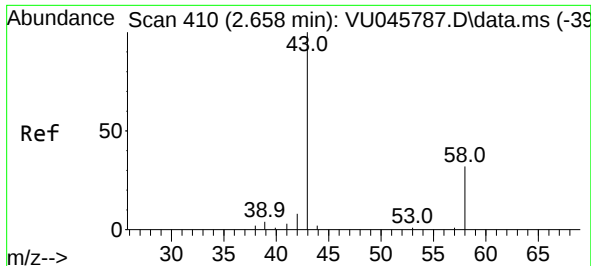
Tgt Ion:101 Resp: 34361
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.6 51.8
 151 70.1 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 5.205 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU045787.D
 Acq: 15 Nov 2021 11:51

Tgt Ion: 96 Resp: 32274
 Ion Ratio Lower Upper
 96 100
 61 178.1 124.7 231.5
 63 150.3 105.2 195.4





#13

Acetone

Concen: 49.618 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

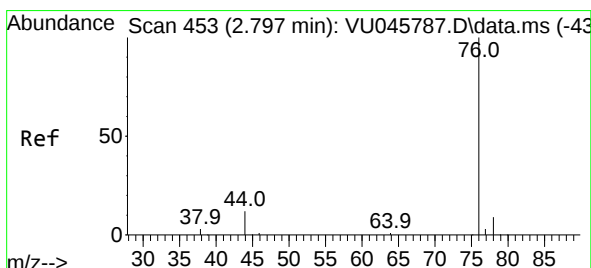
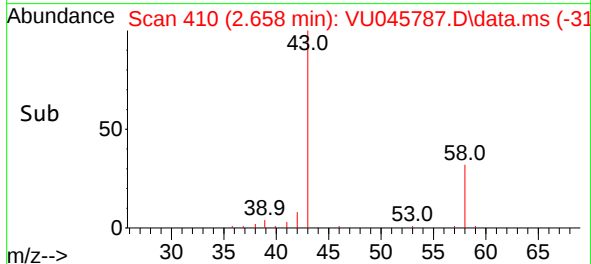
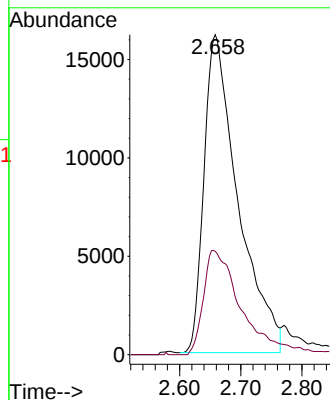
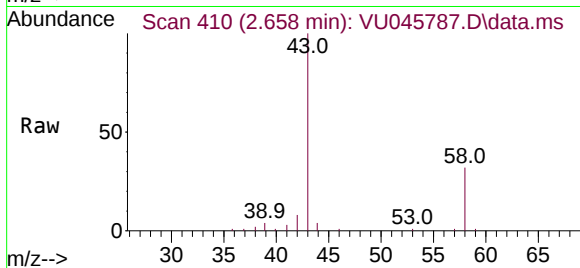
VSTD005036

Tgt Ion: 43 Resp: 62474

Ion Ratio Lower Upper

43 100

58 35.8 0.0 71.6



#14

Carbon disulfide

Concen: 4.681 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU045787.D

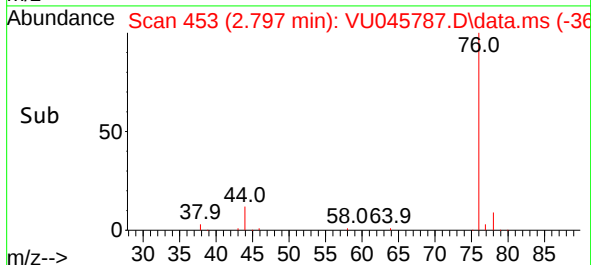
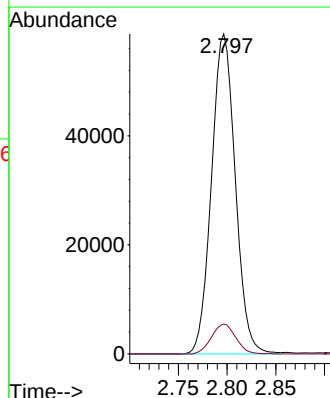
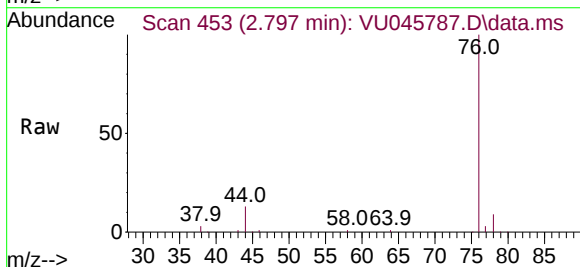
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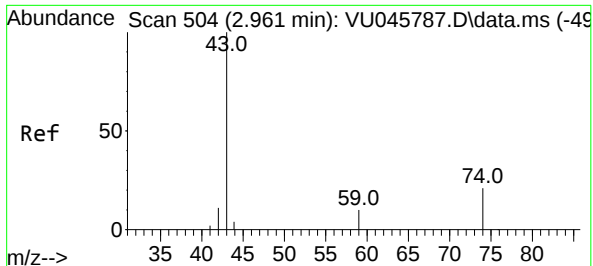
Tgt Ion: 76 Resp: 99772

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

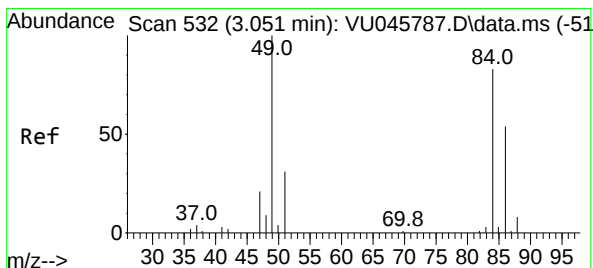
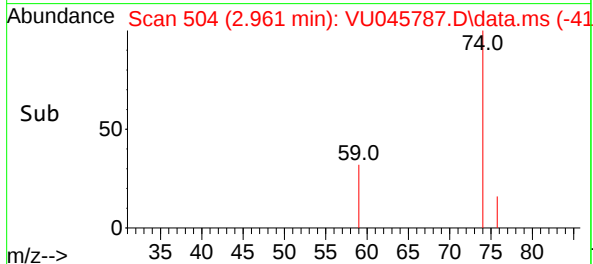
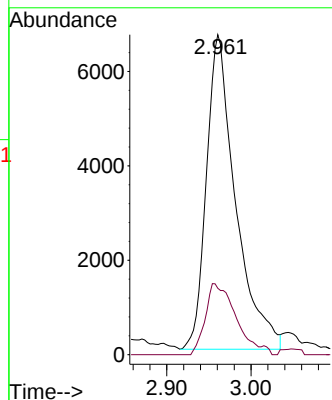
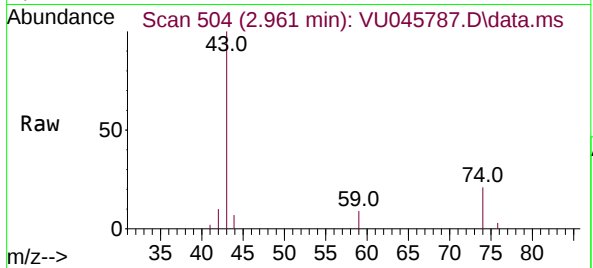




#15
Methyl Acetate
Concen: 4.892 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

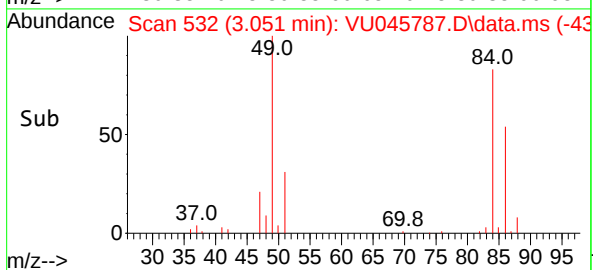
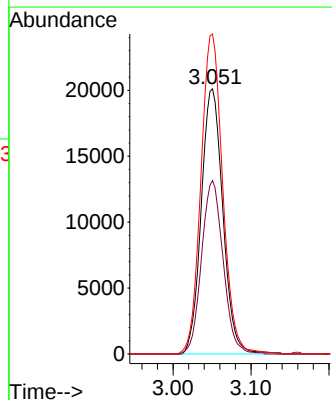
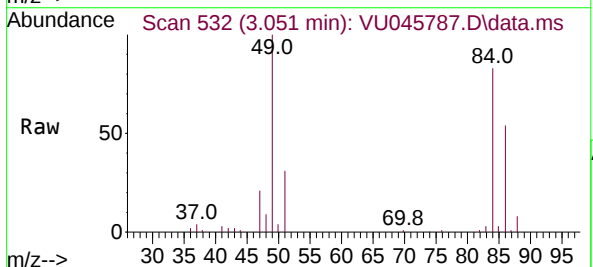
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ClientSampleId :
VSTD005036

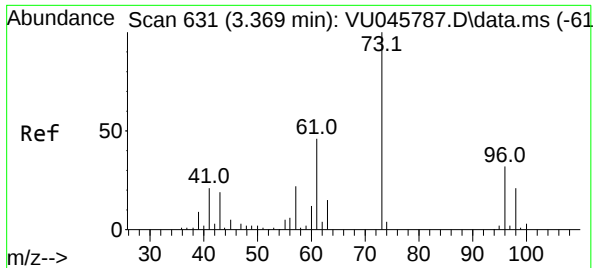
Tgt Ion: 43 Resp: 16008
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7



#16
Methylene chloride
Concen: 4.935 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion: 84 Resp: 38817
Ion Ratio Lower Upper
84 100
86 65.4 45.8 85.0
49 120.7 84.5 156.9

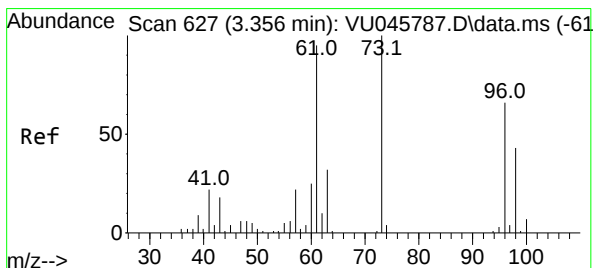
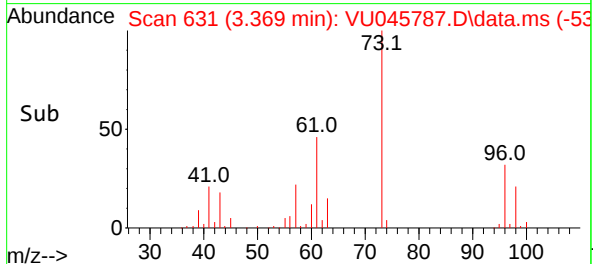
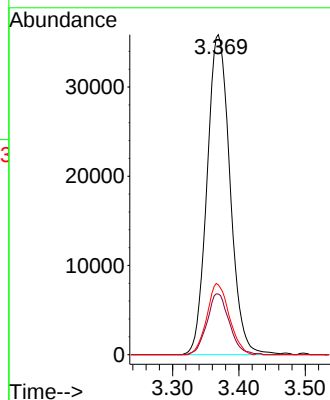
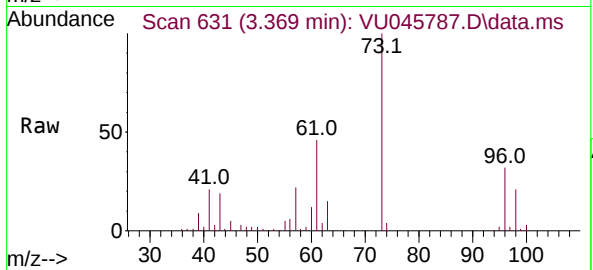




#17
Methyl tert-butyl Ether
Concen: 4.960 ug/L
RT: 3.369 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

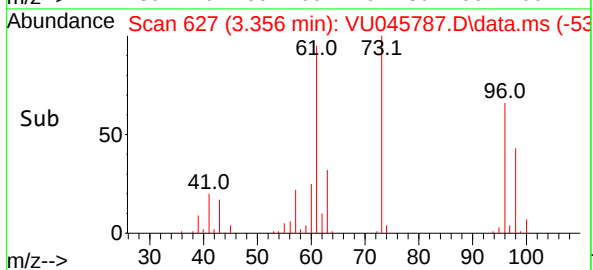
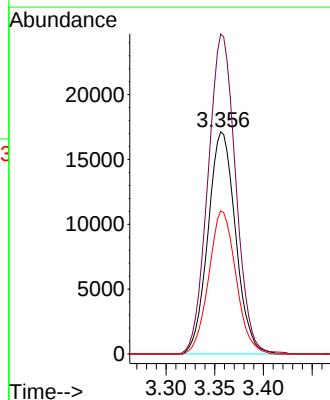
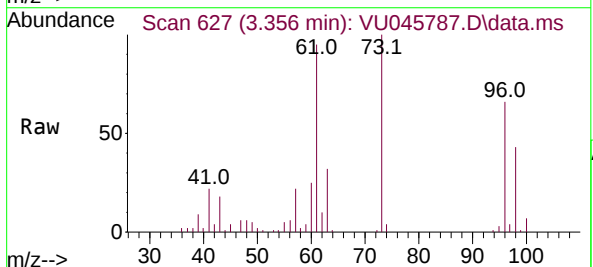
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

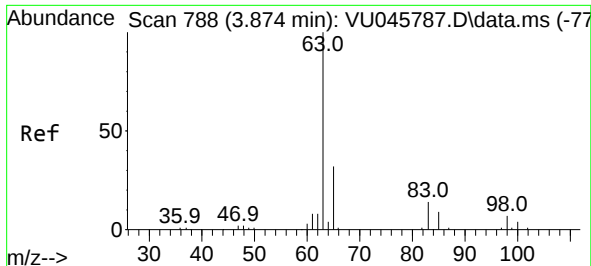
Tgt Ion: 73 Resp: 86218
Ion Ratio Lower Upper
73 100
43 18.5 14.8 22.2
57 21.7 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.927 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion: 96 Resp: 33737
Ion Ratio Lower Upper
96 100
61 144.0 100.8 187.2
98 64.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.098 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005036

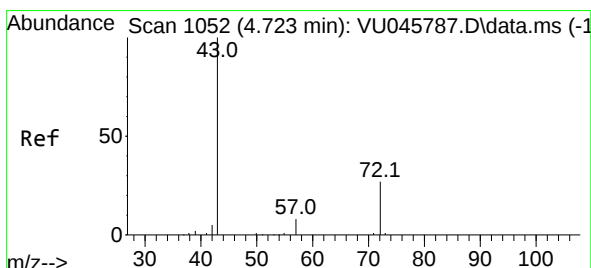
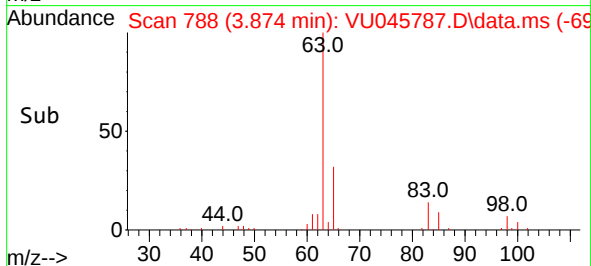
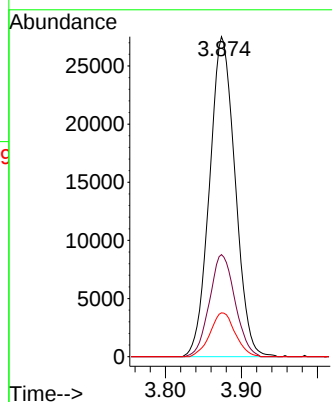
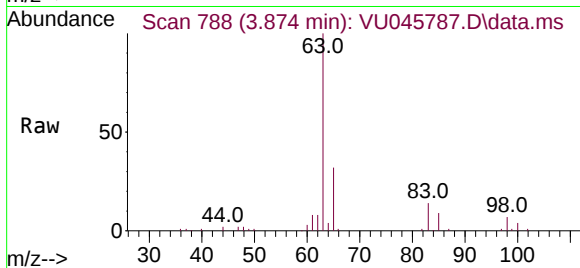
Tgt Ion: 63 Resp: 64246

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

83 13.7 9.6 17.8



#21

2-Butanone

Concen: 52.461 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VU045787.D

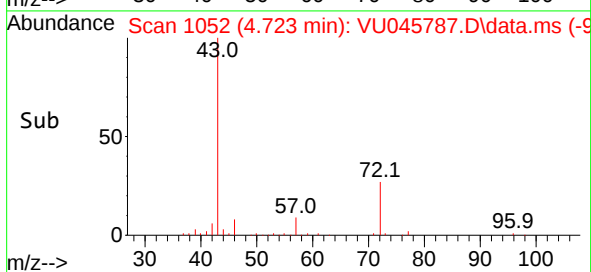
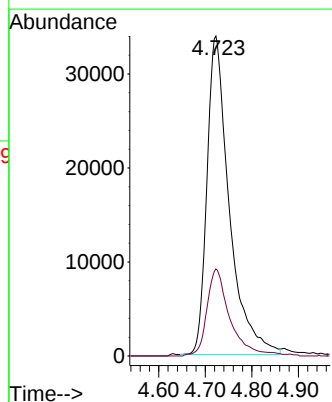
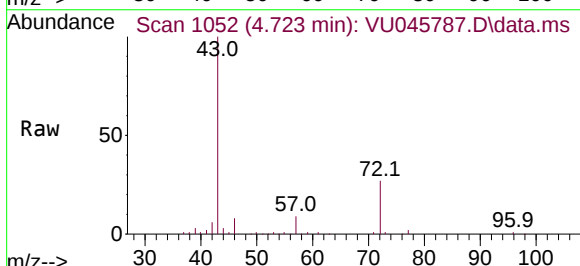
Acq: 15 Nov 2021 11:51

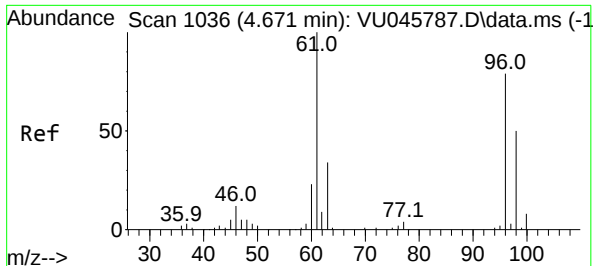
Tgt Ion: 43 Resp: 112862

Ion Ratio Lower Upper

43 100

72 28.2 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 5.121 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005036

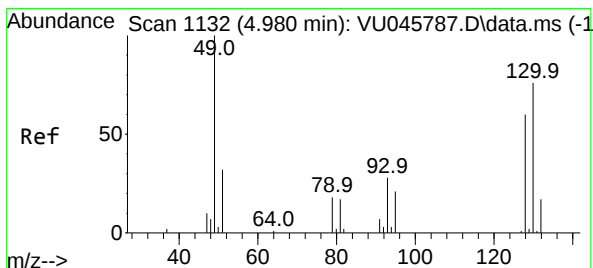
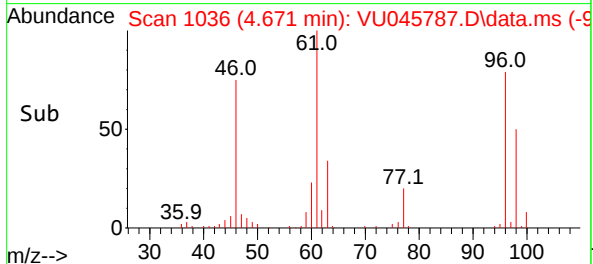
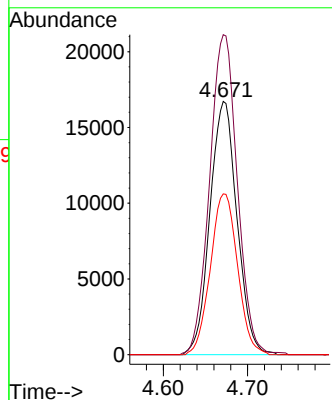
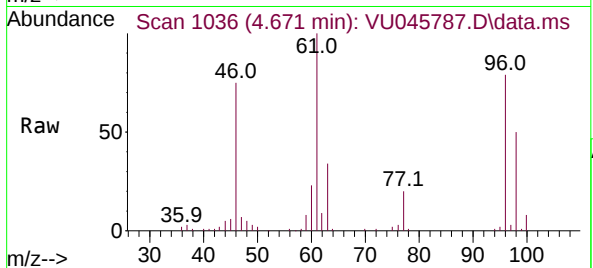
Tgt Ion: 96 Resp: 37410

Ion Ratio Lower Upper

96 100

61 126.4 88.5 164.3

98 63.5 44.4 82.5



#23

Bromochloromethane

Concen: 5.392 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Tgt Ion: 128 Resp: 17026

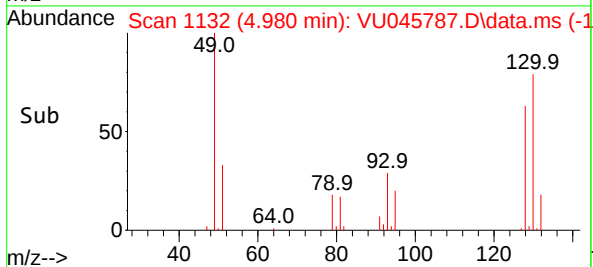
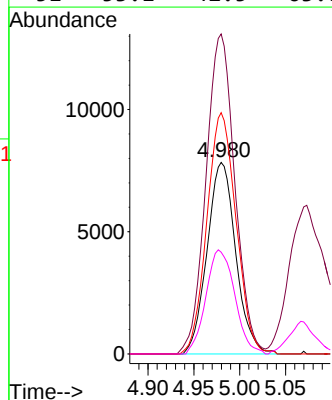
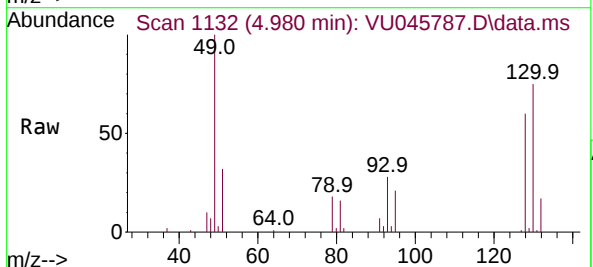
Ion Ratio Lower Upper

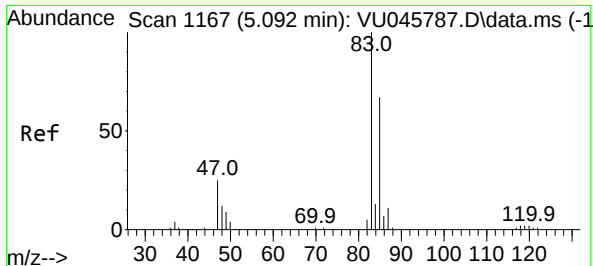
128 100

49 167.1 117.0 217.2

130 126.0 88.2 163.8

51 53.1 42.5 63.7





#25

Chloroform

Concen: 5.492 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

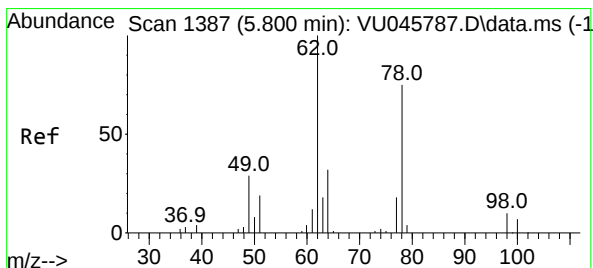
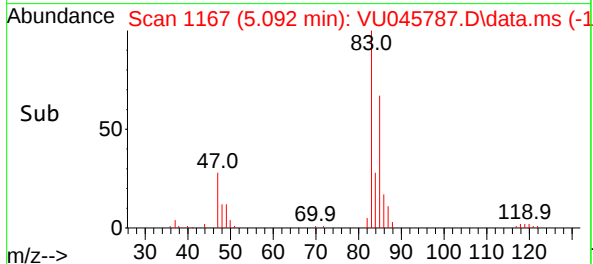
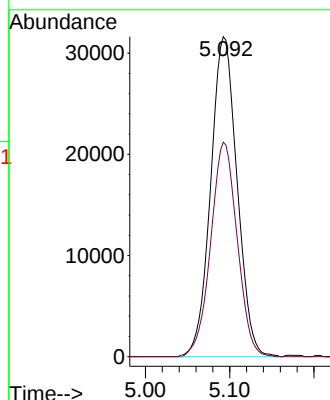
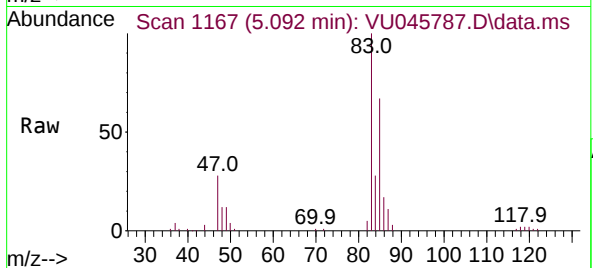
VSTD005036

Tgt Ion: 83 Resp: 68859

Ion Ratio Lower Upper

83 100

85 67.0 46.9 87.1



#27

1,2-Dichloroethane

Concen: 5.765 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU045787.D

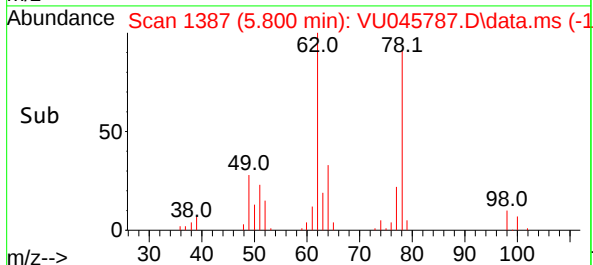
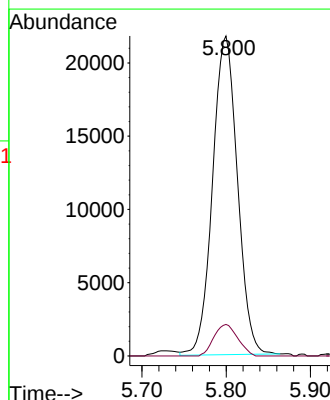
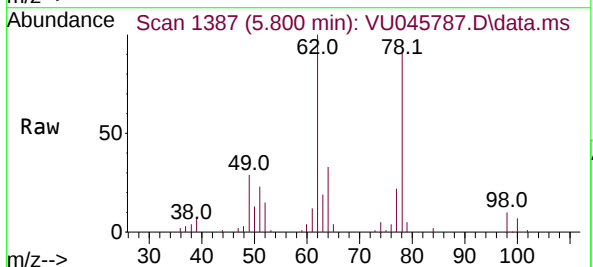
Acq: 15 Nov 2021 11:51

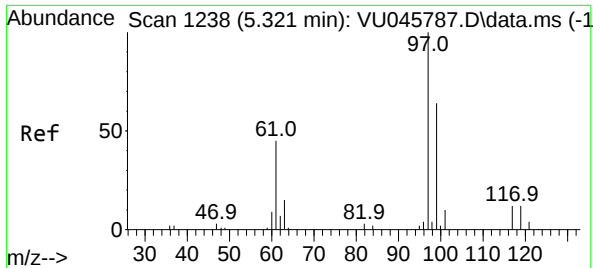
Tgt Ion: 62 Resp: 44558

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.507 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005036

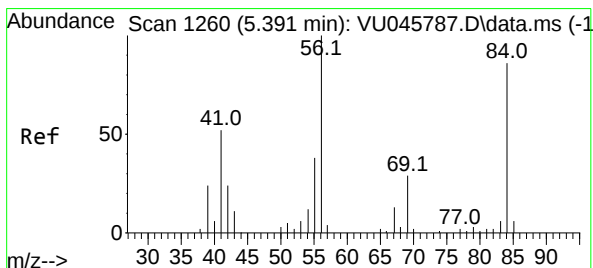
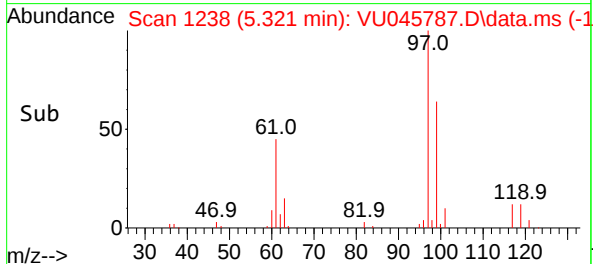
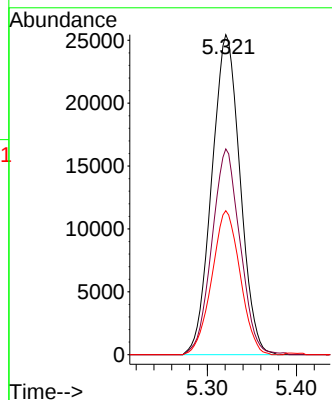
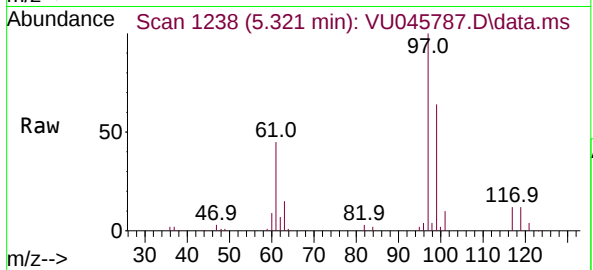
Tgt Ion: 97 Resp: 56133

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 45.1 36.1 54.1



#30

Cyclohexane

Concen: 4.665 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

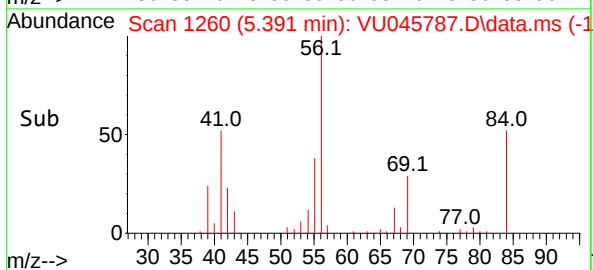
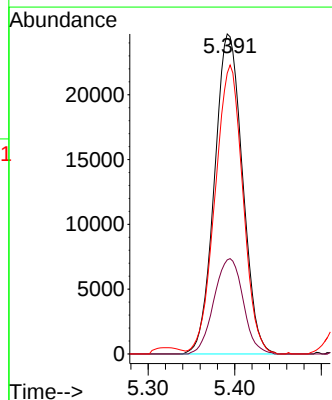
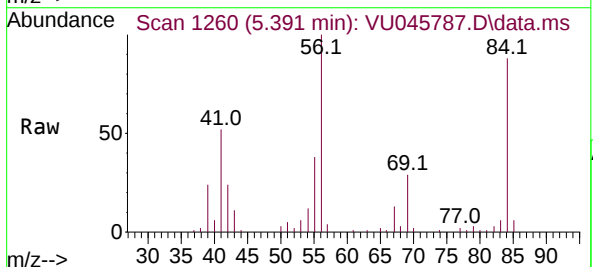
Tgt Ion: 56 Resp: 55516

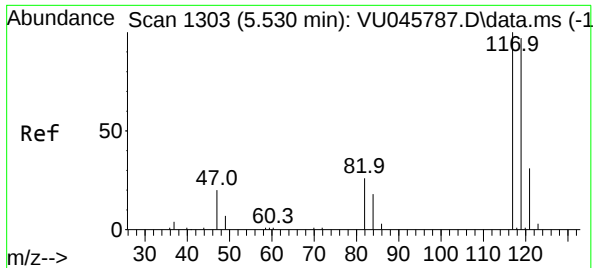
Ion Ratio Lower Upper

56 100

69 30.9 24.7 37.1

84 89.7 71.8 107.6

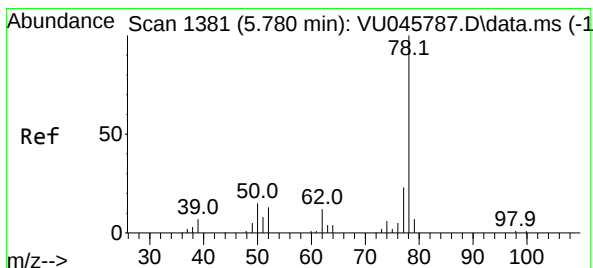
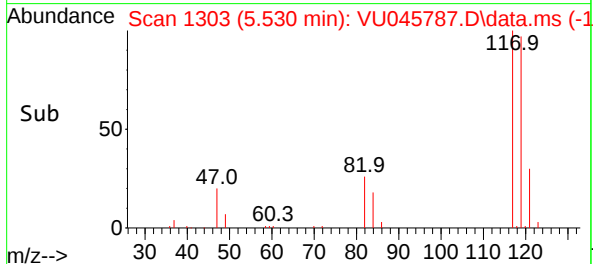
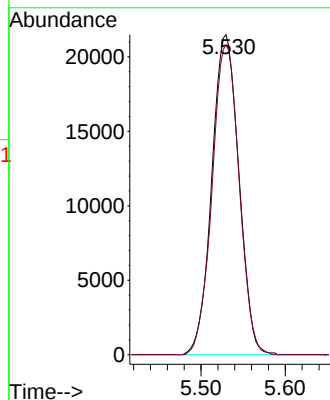
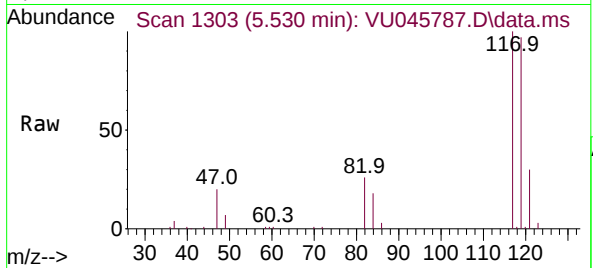




#31
Carbon tetrachloride
Concen: 5.674 ug/L
RT: 5.530 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

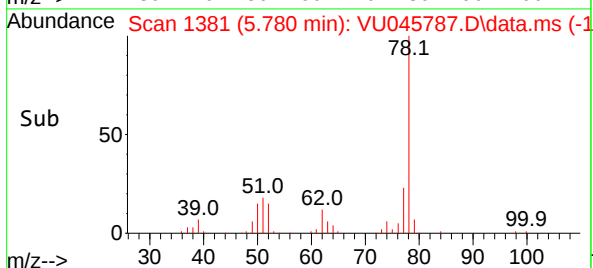
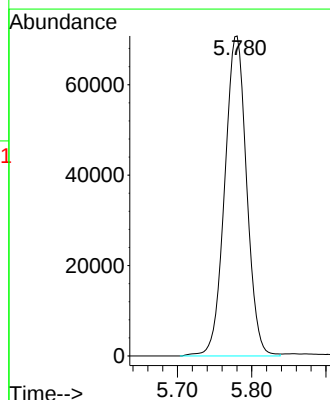
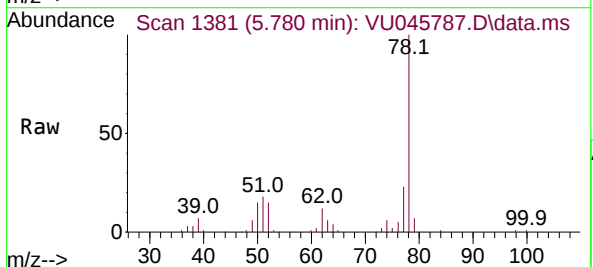
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

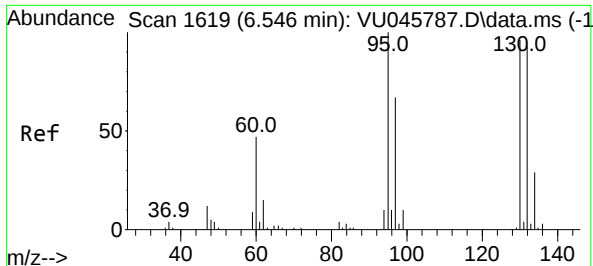
Tgt Ion:117 Resp: 47856
Ion Ratio Lower Upper
117 100
119 96.9 77.5 116.3



#33
Benzene
Concen: 5.018 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion: 78 Resp: 145334

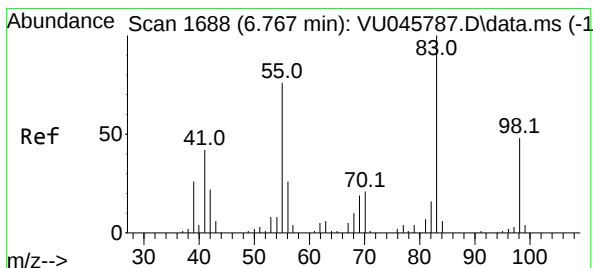
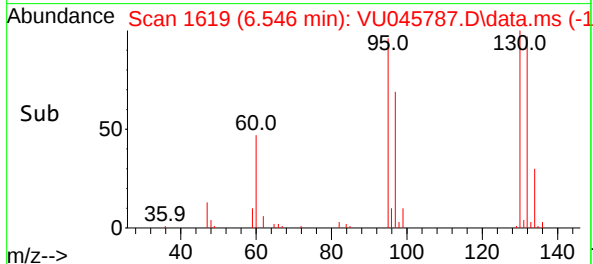
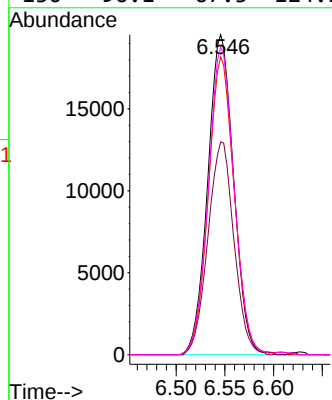
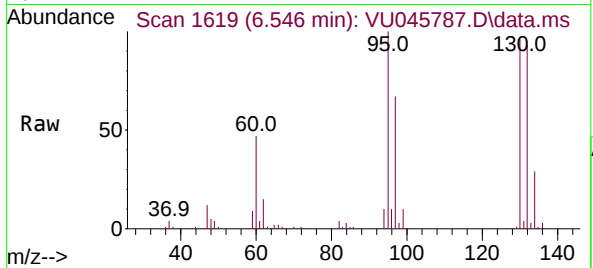




#34
Trichloroethene
Concen: 4.762 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

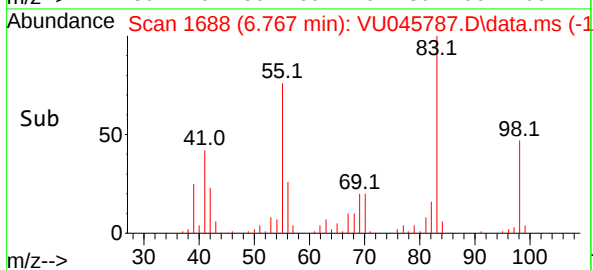
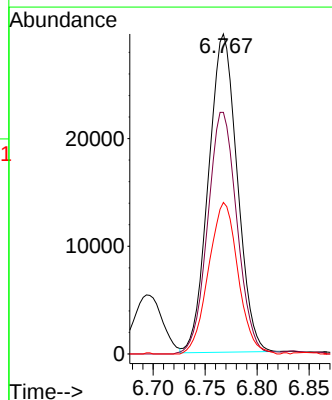
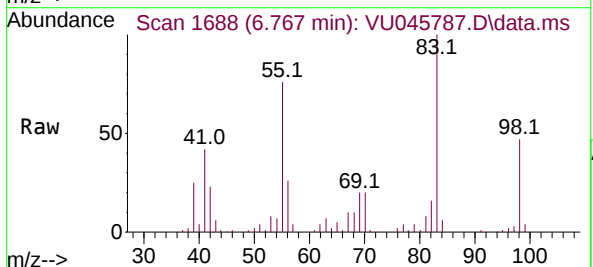
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

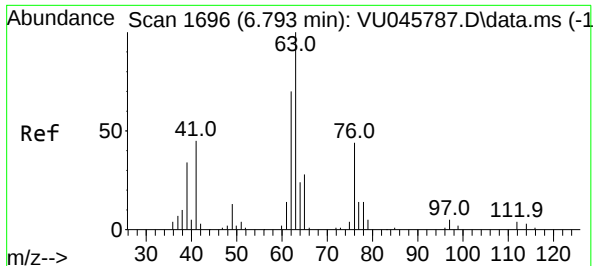
Tgt Ion: 95 Resp: 35982
Ion Ratio Lower Upper
95 100
97 66.5 46.5 86.5
132 93.0 65.1 120.9
130 96.1 67.3 124.9



#35
Methylcyclohexane
Concen: 4.463 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion: 83 Resp: 56907
Ion Ratio Lower Upper
83 100
55 77.4 61.9 92.9
98 48.8 39.0 58.6





#37

1,2-Dichloropropane

Concen: 4.945 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

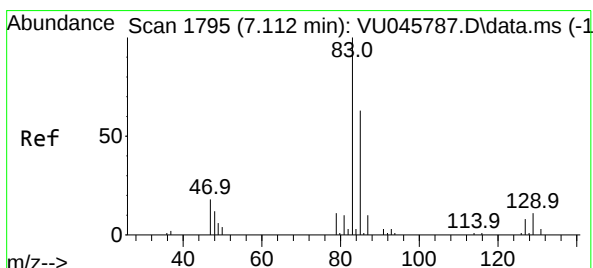
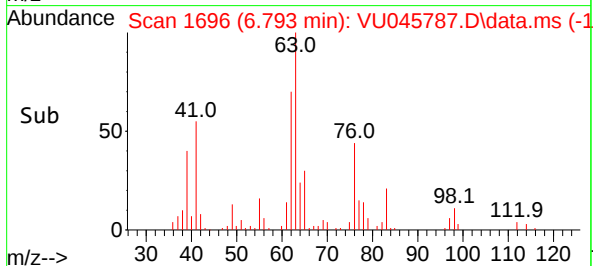
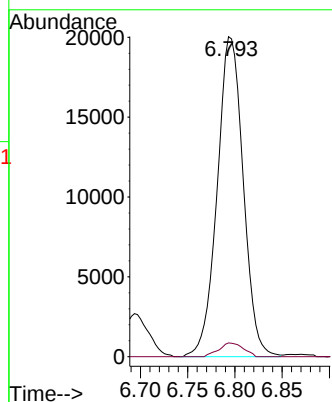
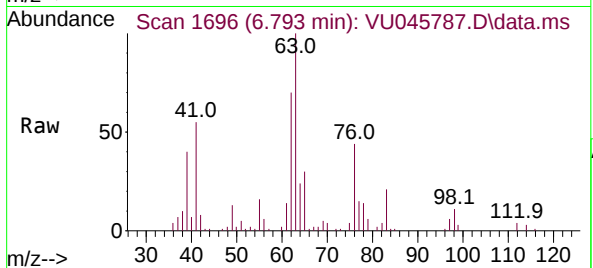
VSTD005036

Tgt Ion: 63 Resp: 38438

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 5.332 ug/L

RT: 7.112 min Scan# 1795

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

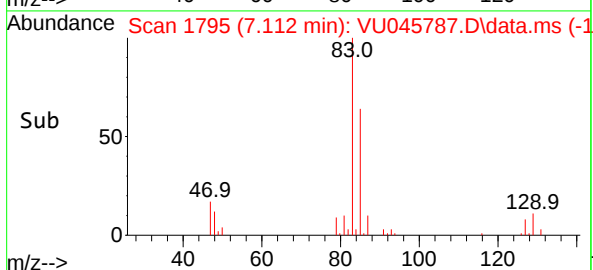
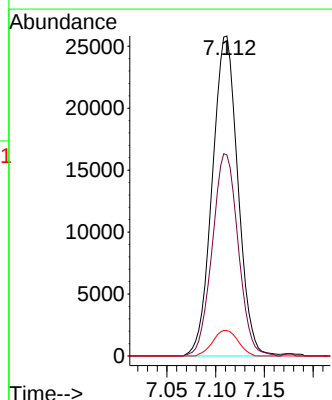
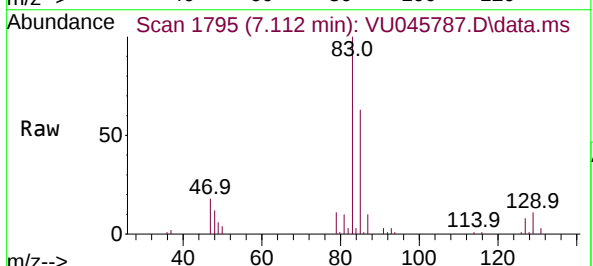
Tgt Ion: 83 Resp: 47198

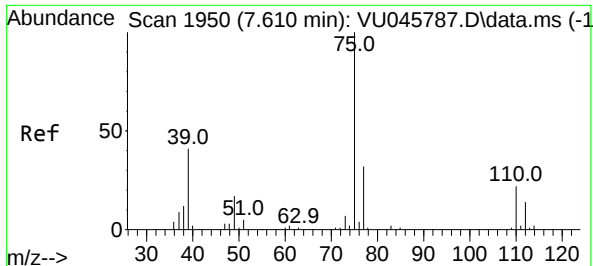
Ion Ratio Lower Upper

83 100

85 62.9 44.0 81.8

127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.841 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

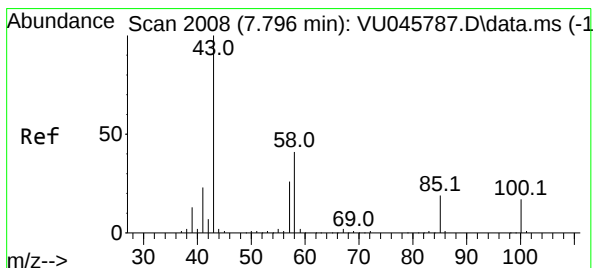
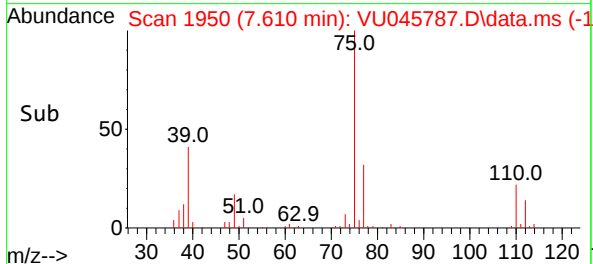
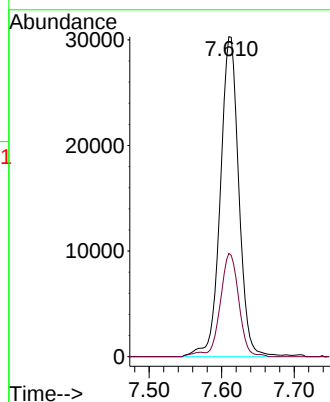
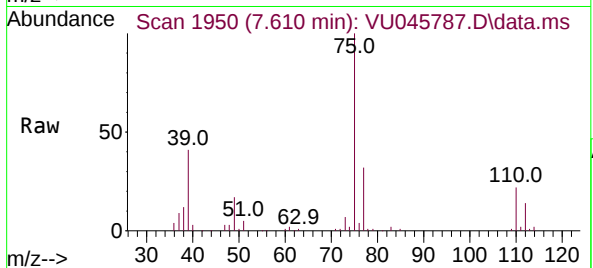
VSTD005036

Tgt Ion: 75 Resp: 53689

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 50.014 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

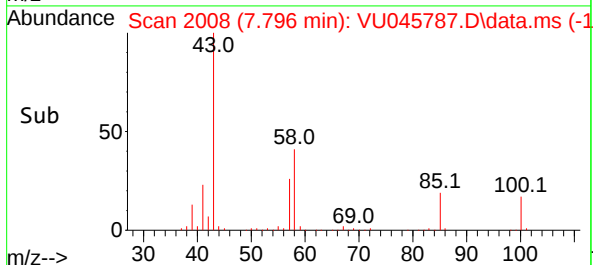
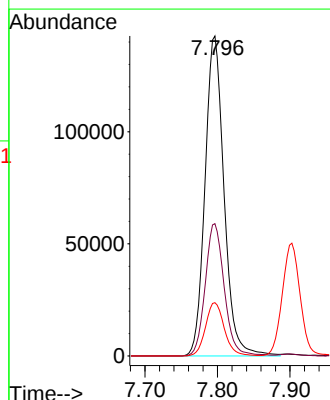
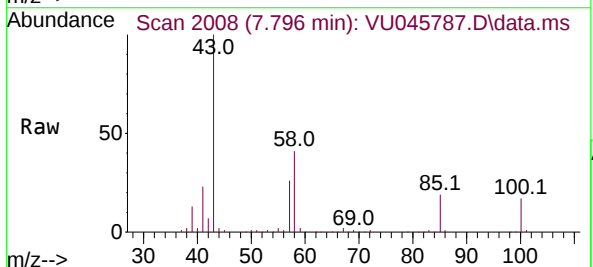
Tgt Ion: 43 Resp: 260435

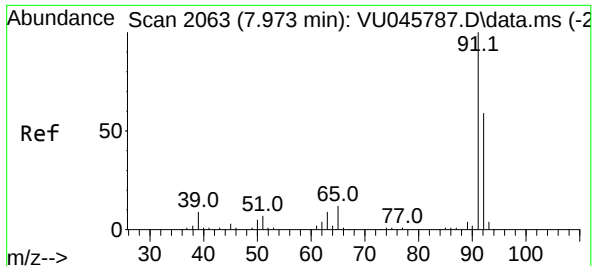
Ion Ratio Lower Upper

43 100

58 41.4 33.1 49.7

100 16.5 13.2 19.8





#42

Toluene

Concen: 4.898 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

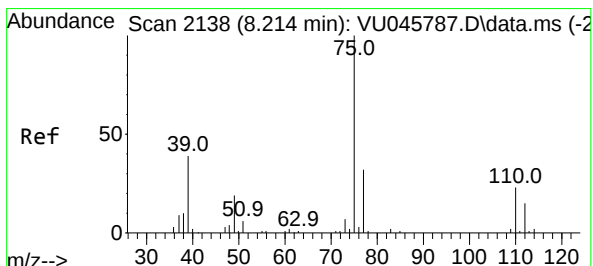
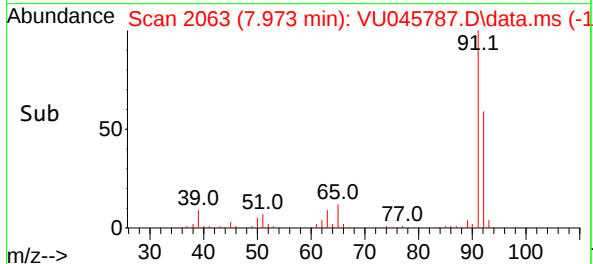
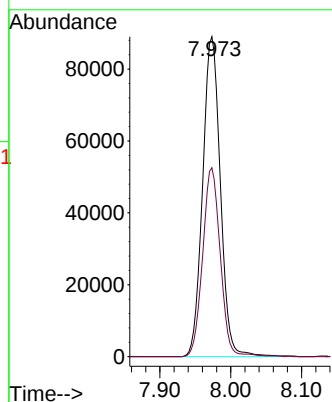
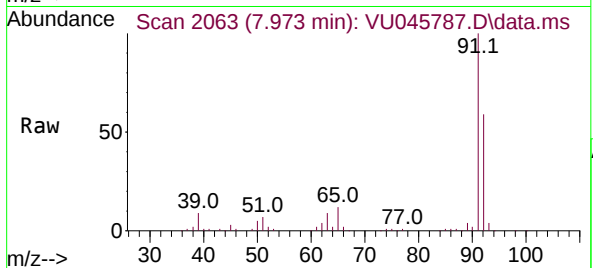
VSTD005036

Tgt Ion: 91 Resp: 154954

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.887 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU045787.D

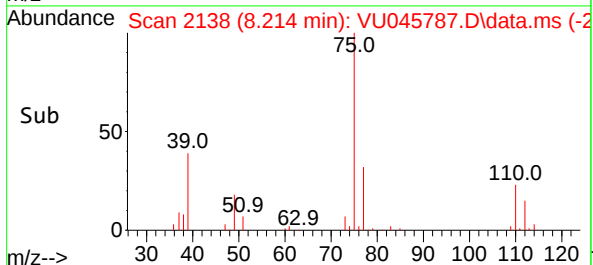
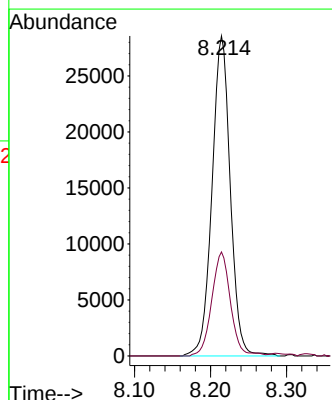
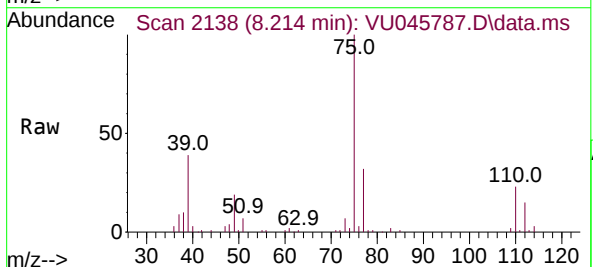
Acq: 15 Nov 2021 11:51

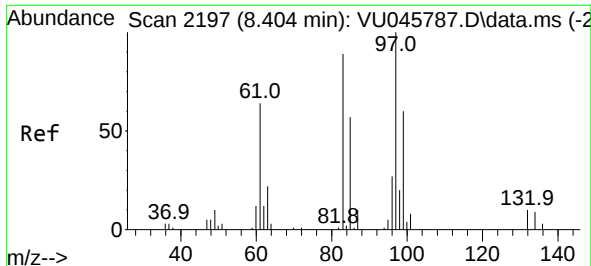
Tgt Ion: 75 Resp: 47633

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.3

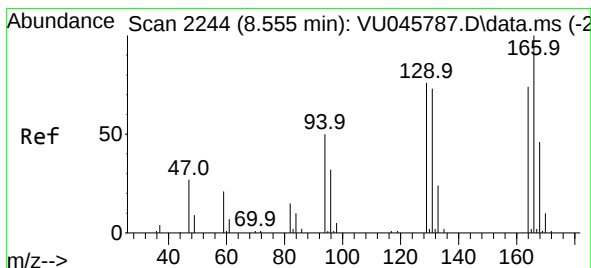
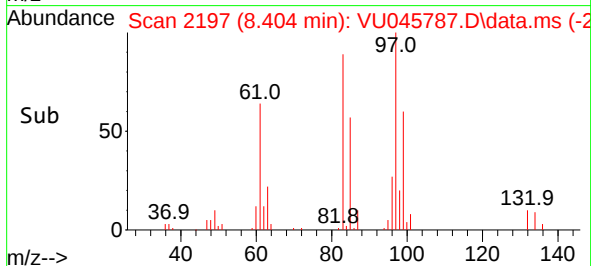
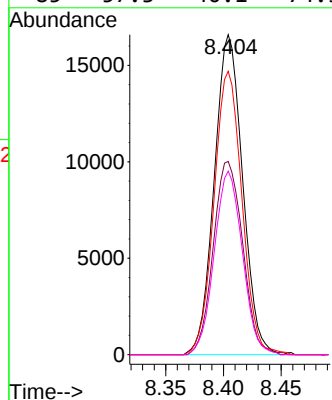
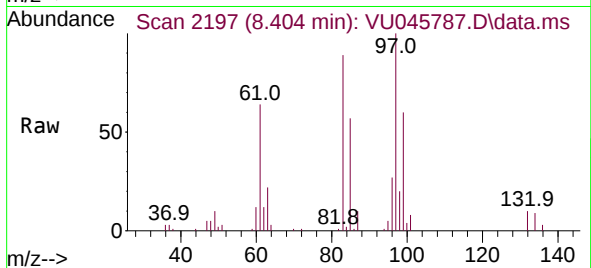




#45
1,1,2-Trichloroethane
Concen: 5.049 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

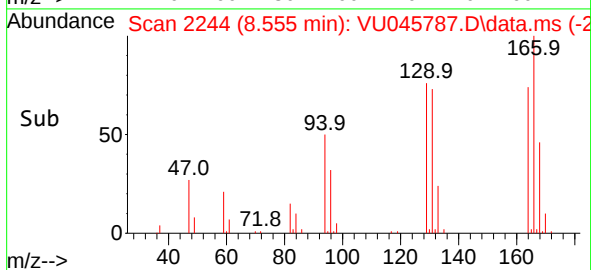
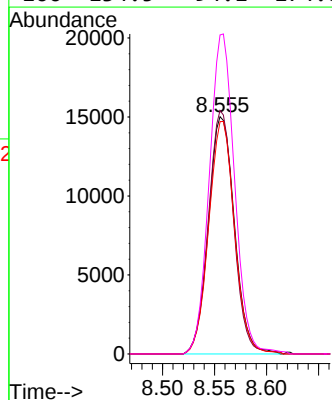
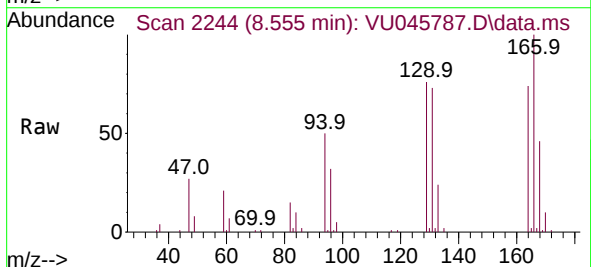
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

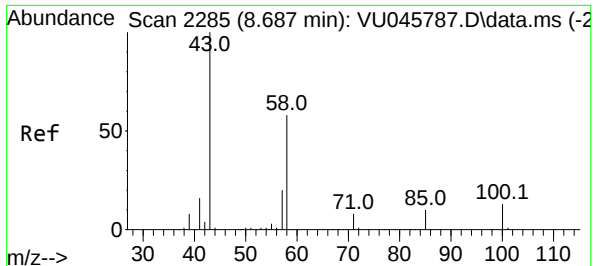
Tgt Ion:	97	Resp:	28314
Ion	Ratio	Lower	Upper
97	100		
99	60.4	42.3	78.5
83	88.6	62.0	115.2
85	57.3	40.1	74.5



#47
Tetrachloroethene
Concen: 4.879 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion:	164	Resp:	26140
Ion	Ratio	Lower	Upper
164	100		
129	102.6	71.8	133.4
131	97.9	68.5	127.3
166	134.5	94.1	174.8

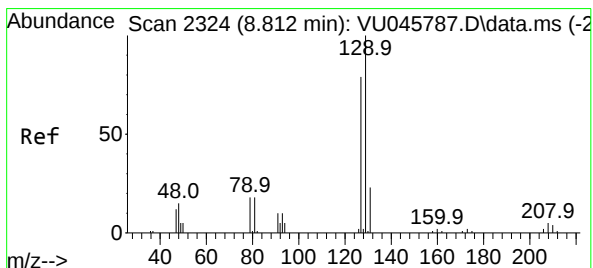
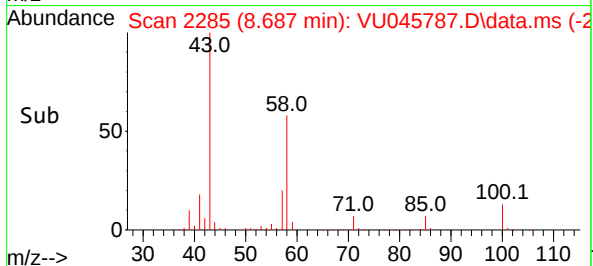
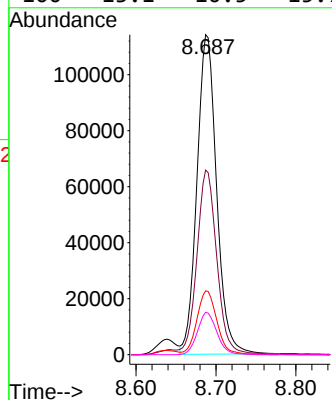
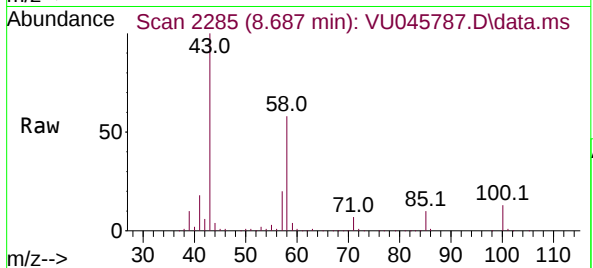




#48
2-Hexanone
Concen: 51.187 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

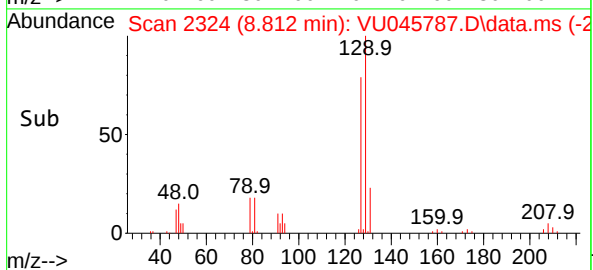
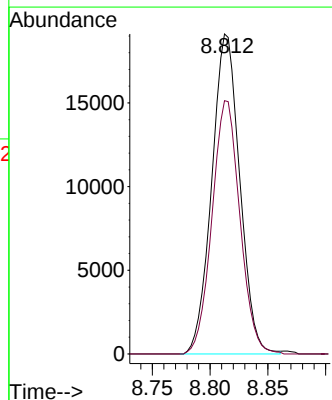
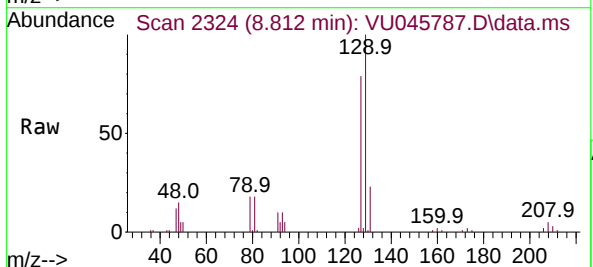
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

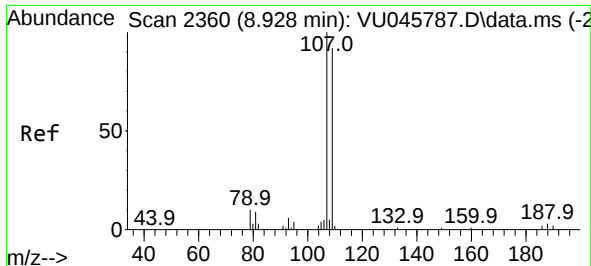
Tgt Ion:	43	Resp:	195917
Ion	Ratio	Lower	Upper
43	100		
58	58.4	46.7	70.1
57	20.4	16.3	24.5
100	13.1	10.5	15.7



#49
Dibromochloromethane
Concen: 5.666 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion:	129	Resp:	32245
Ion	Ratio	Lower	Upper
129	100		
127	79.1	55.4	102.8





#50

1,2-Dibromoethane

Concen: 5.375 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005036

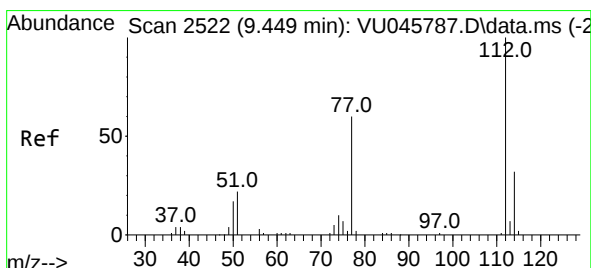
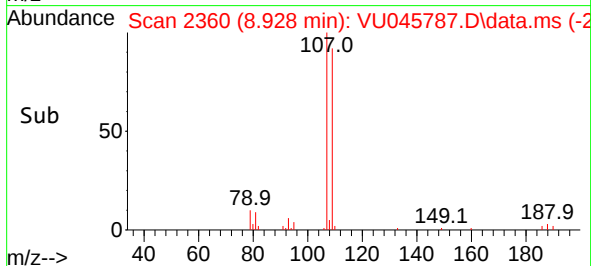
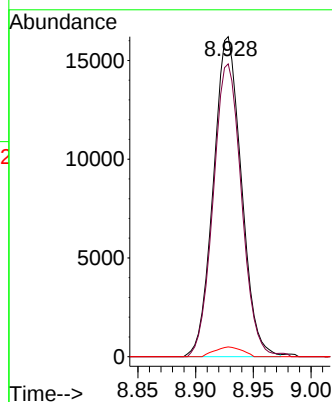
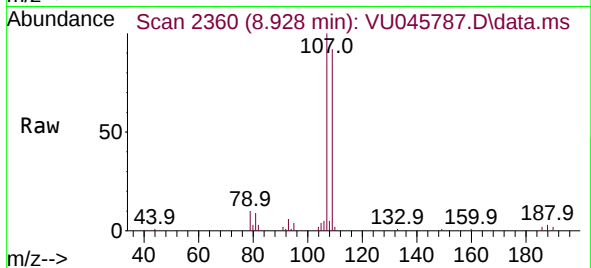
Tgt Ion:107 Resp: 27349

Ion Ratio Lower Upper

107 100

109 91.5 64.0 119.0

188 3.0 2.4 3.6



#51

Chlorobenzene

Concen: 4.987 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

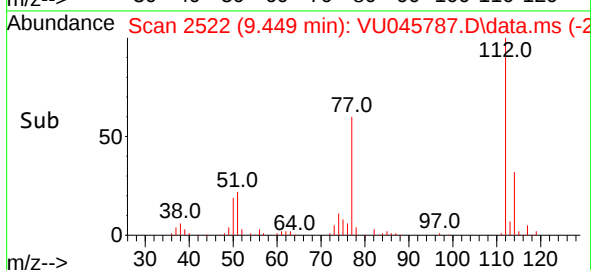
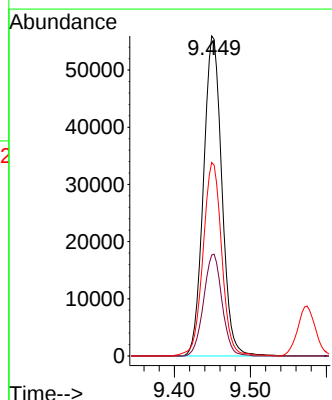
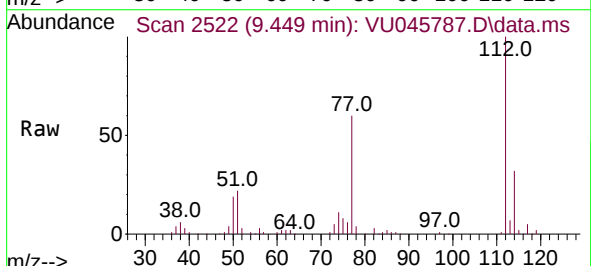
Tgt Ion:112 Resp: 93947

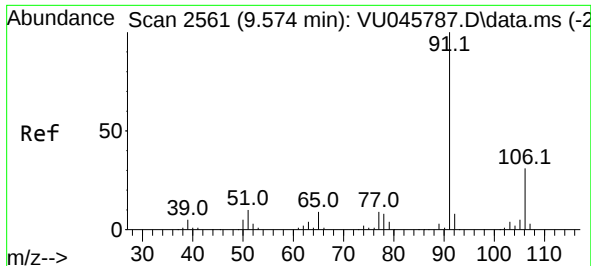
Ion Ratio Lower Upper

112 100

114 31.6 22.1 41.1

77 60.4 48.3 72.5

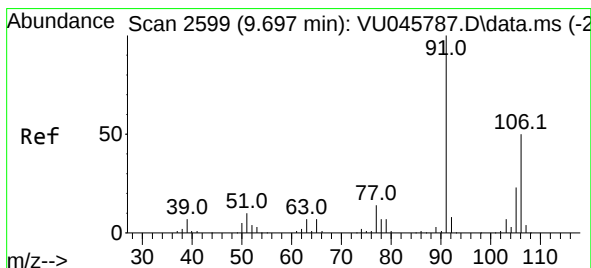
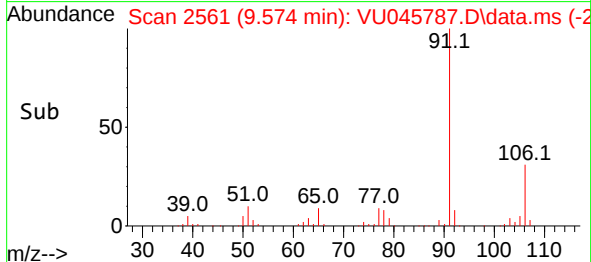
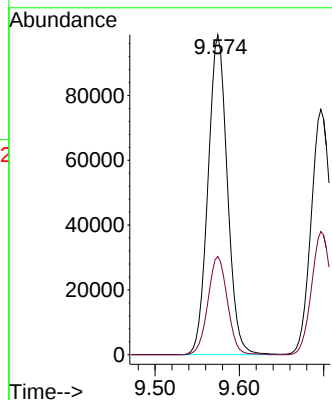
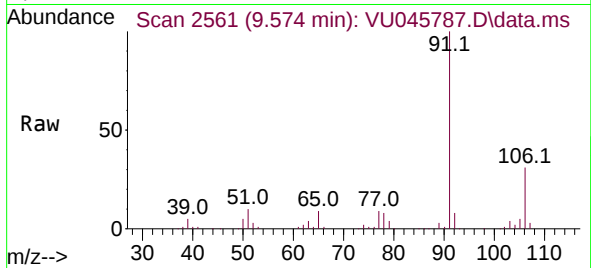




#52
Ethylbenzene
Concen: 4.825 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

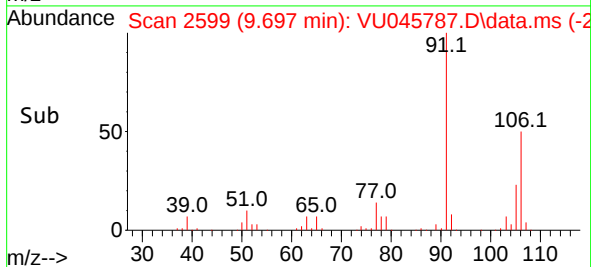
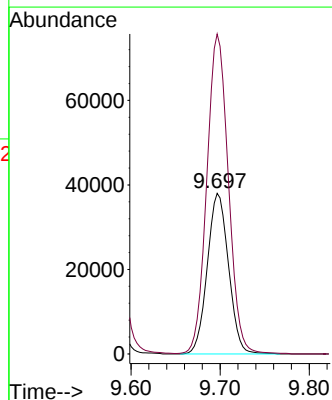
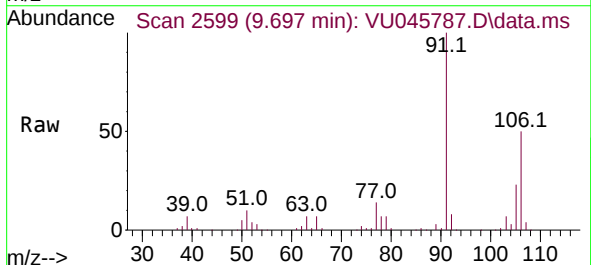
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

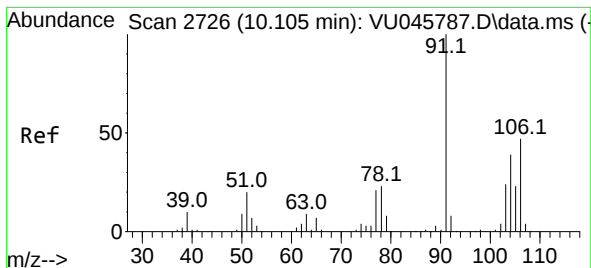
Tgt Ion: 91 Resp: 157686
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 4.939 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion: 106 Resp: 62885
Ion Ratio Lower Upper
106 100
91 199.2 139.4 259.0





#54

o-Xylene

Concen: 4.839 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

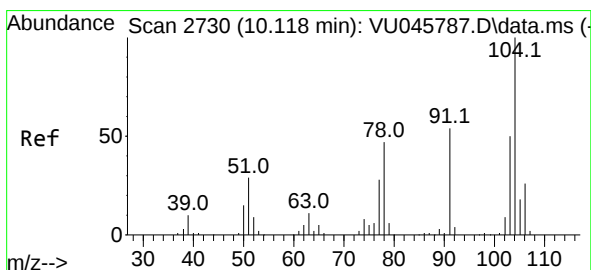
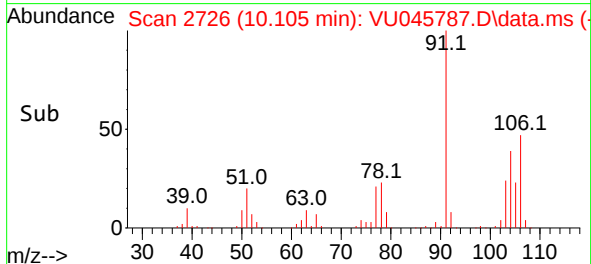
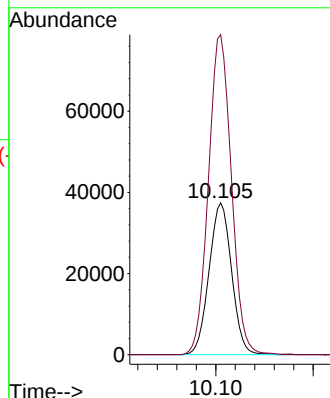
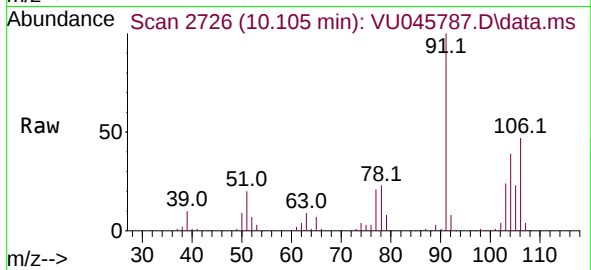
VSTD005036

Tgt Ion:106 Resp: 60154

Ion Ratio Lower Upper

106 100

91 210.7 147.5 273.9



#55

Styrene

Concen: 5.037 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.000 min

Lab File: VU045787.D

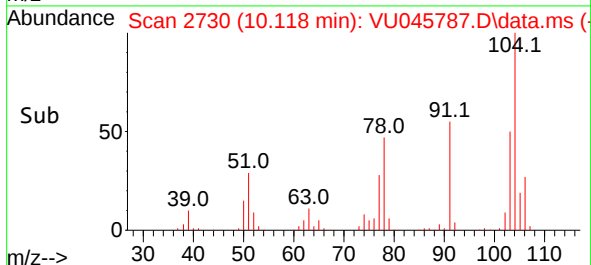
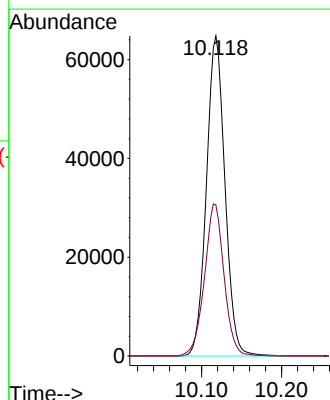
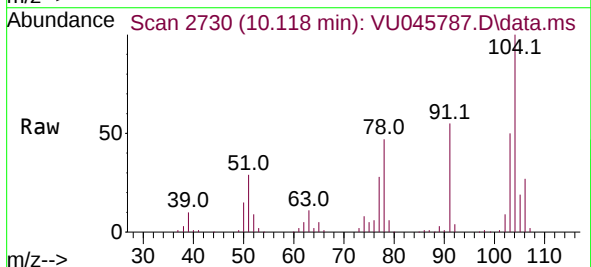
Acq: 15 Nov 2021 11:51

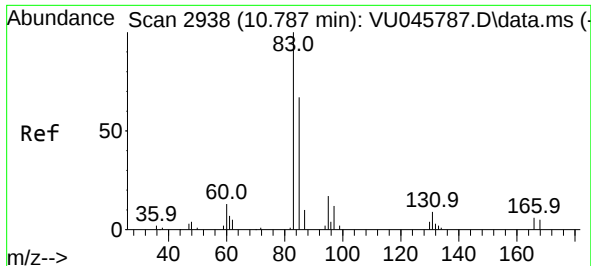
Tgt Ion:104 Resp: 104521

Ion Ratio Lower Upper

104 100

78 47.2 33.0 61.4

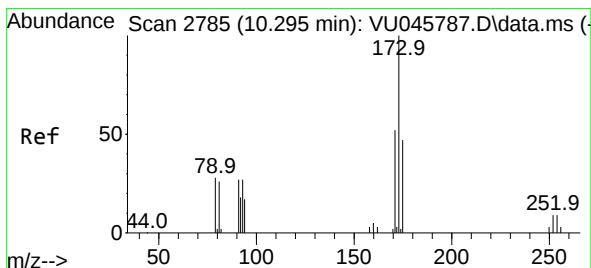
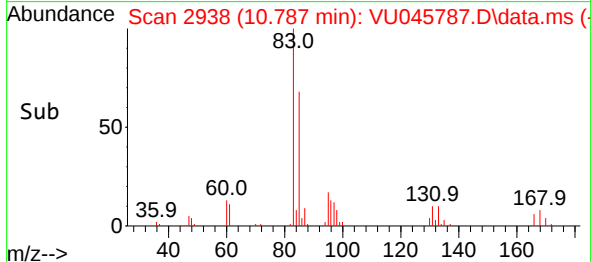
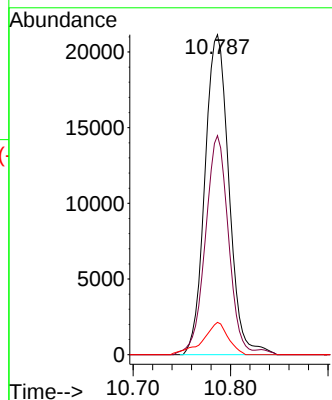
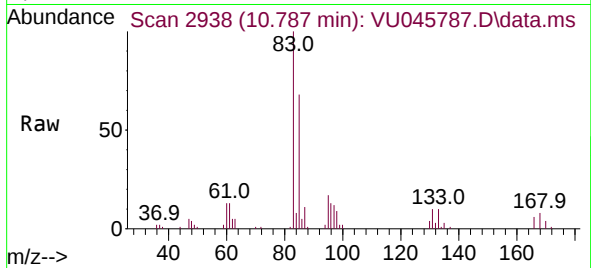




#57
1,1,2,2-Tetrachloroethane
Concen: 4.813 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

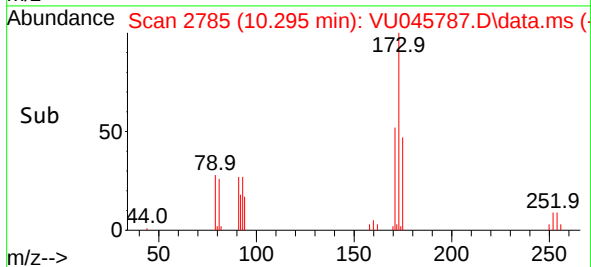
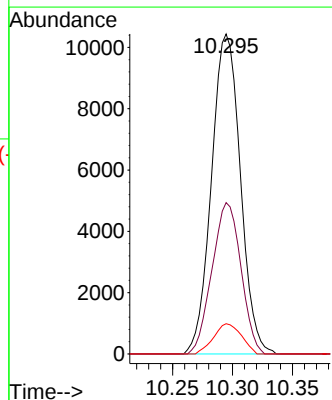
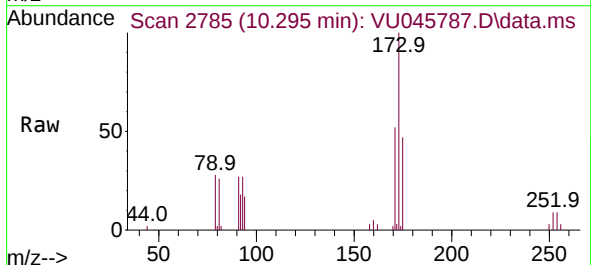
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

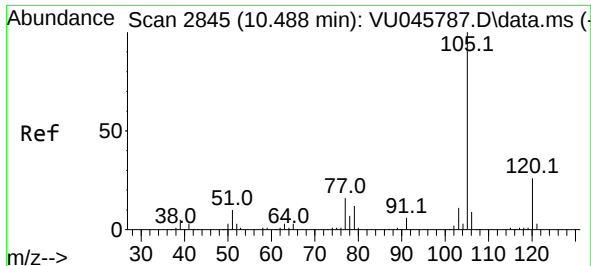
Tgt Ion: 83 Resp: 36170
Ion Ratio Lower Upper
83 100
85 68.5 47.9 89.1
131 10.1 8.1 12.1



#59
Bromoform
Concen: 5.450 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion:173 Resp: 17495
Ion Ratio Lower Upper
173 100
175 47.2 37.8 56.6
254 9.1 7.3 10.9

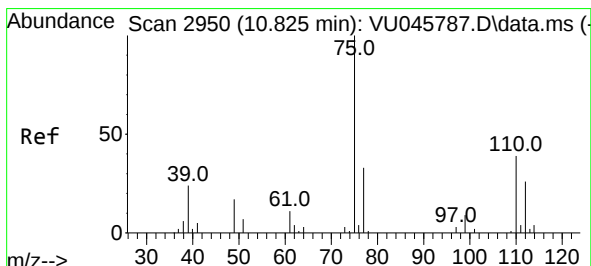
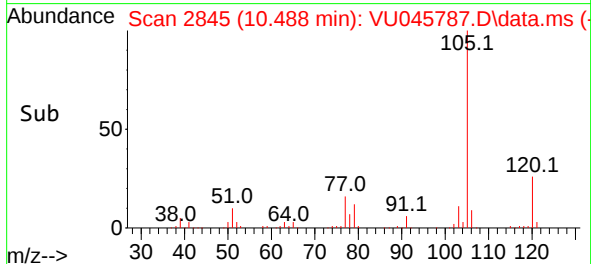
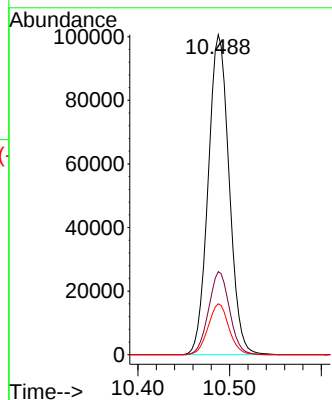
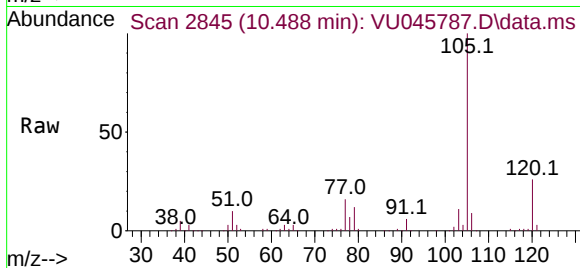




#60
Isopropylbenzene
Concen: 4.932 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

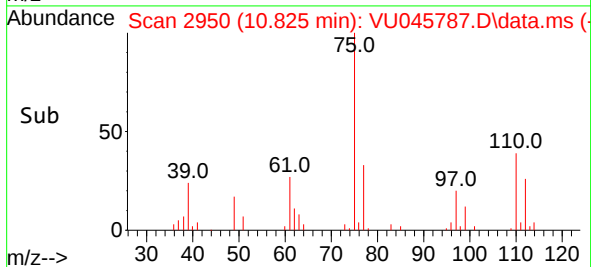
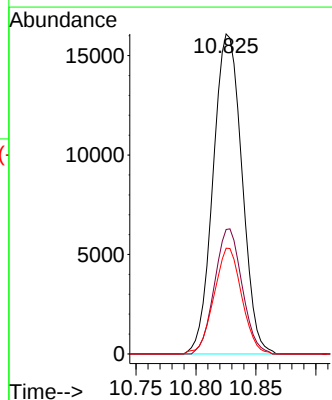
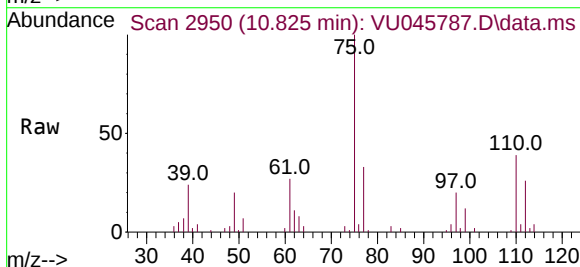
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

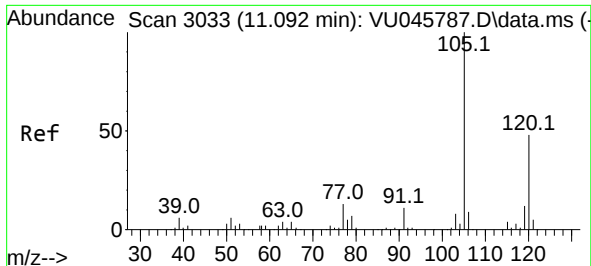
Tgt Ion:105 Resp: 159726
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 15.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.834 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion: 75 Resp: 26863
Ion Ratio Lower Upper
75 100
110 37.4 29.9 44.9
77 31.9 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.813 ug/L

RT: 11.092 min Scan# 3033

Delta R.T. 0.000 min

Lab File: VU045787.D

Acq: 15 Nov 2021 11:51

Instrument :

MSVOA_U

ClientSampleId :

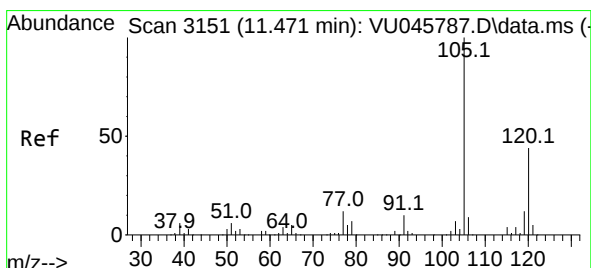
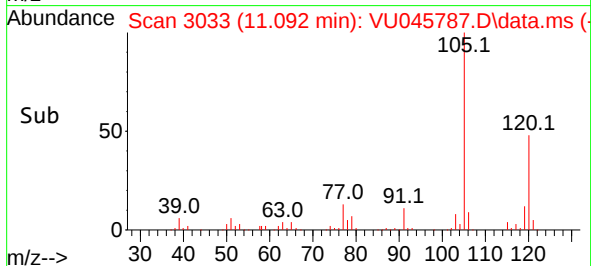
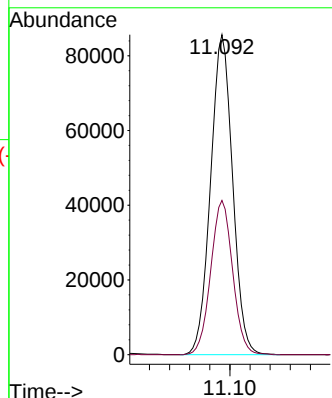
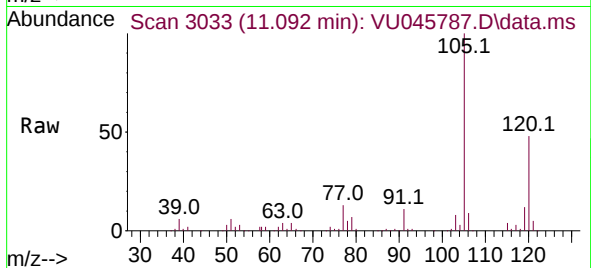
VSTD005036

Tgt Ion:105 Resp: 130204

Ion Ratio Lower Upper

105 100

120 47.9 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 4.877 ug/L

RT: 11.471 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VU045787.D

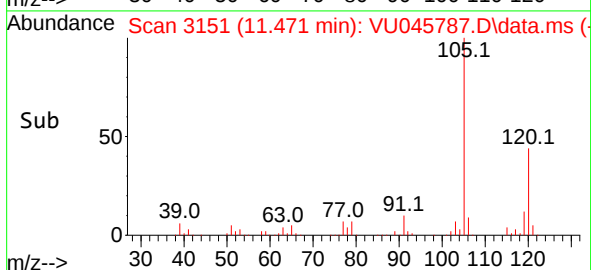
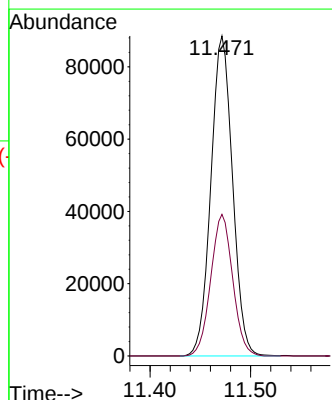
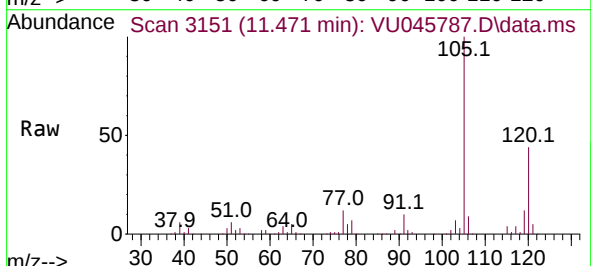
Acq: 15 Nov 2021 11:51

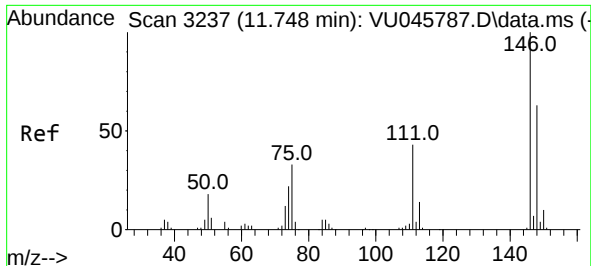
Tgt Ion:105 Resp: 132516

Ion Ratio Lower Upper

105 100

120 44.8 35.8 53.8

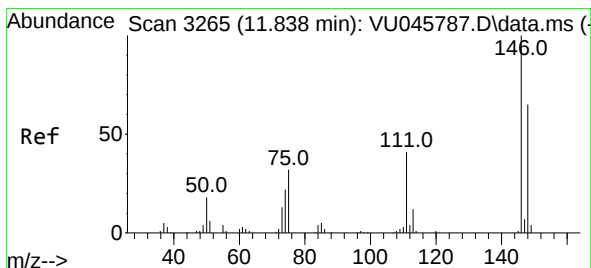
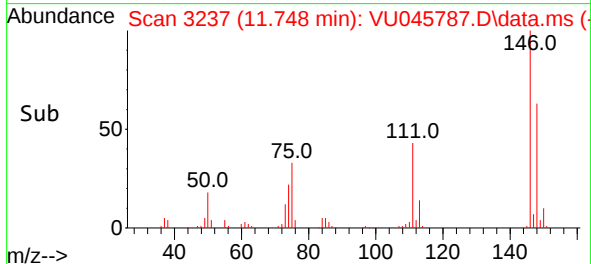
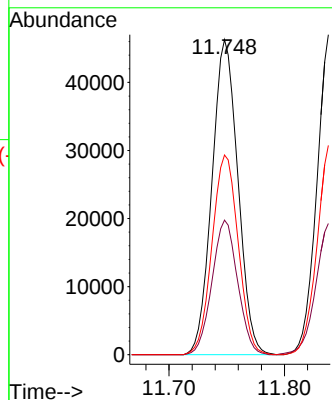
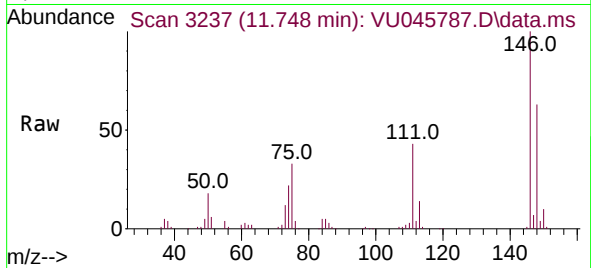




#64
1,3-Dichlorobenzene
Concen: 4.883 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

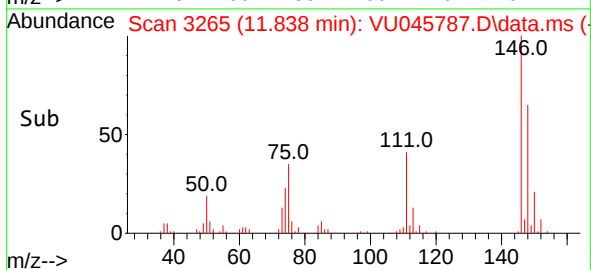
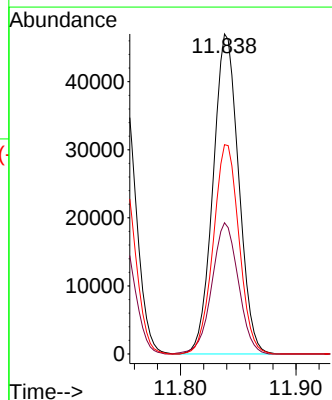
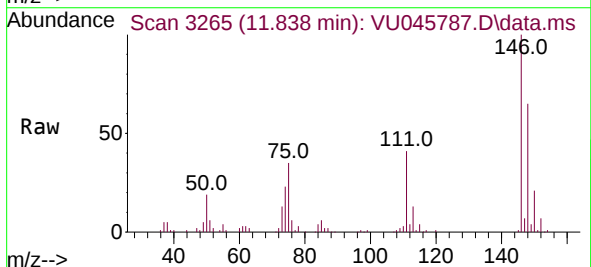
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

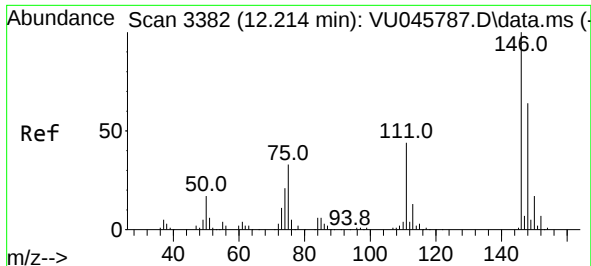
Tgt Ion:146 Resp: 72176
Ion Ratio Lower Upper
146 100
111 42.7 29.9 55.5
148 63.3 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.870 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion:146 Resp: 72486
Ion Ratio Lower Upper
146 100
111 41.0 28.7 53.3
148 65.4 45.8 85.0

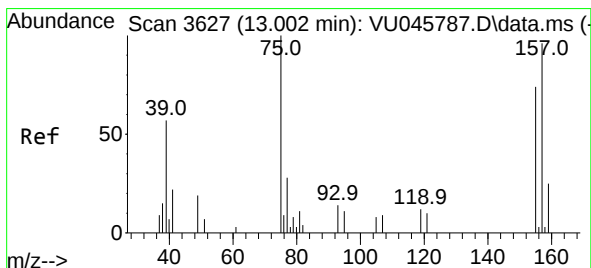
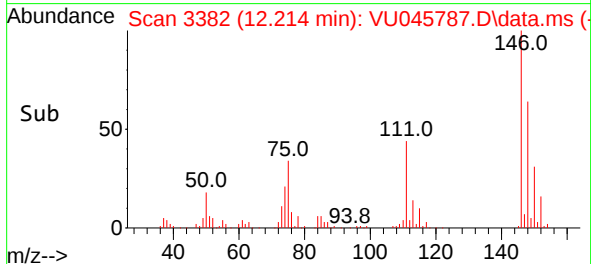
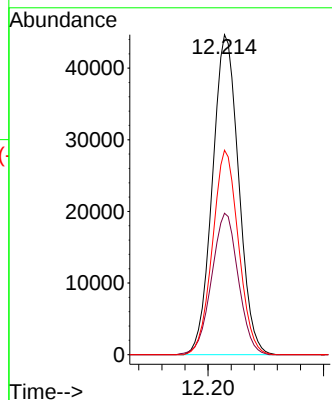
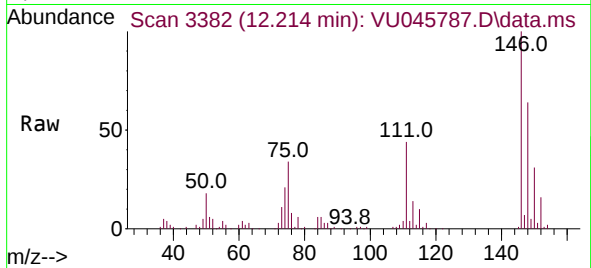




#67
1,2-Dichlorobenzene
Concen: 4.920 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

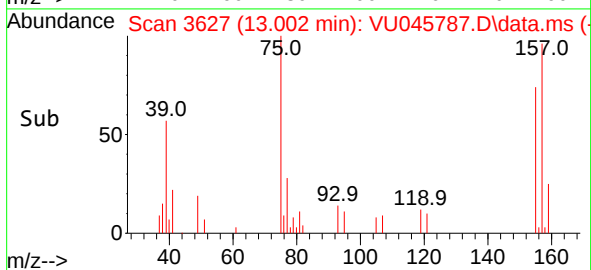
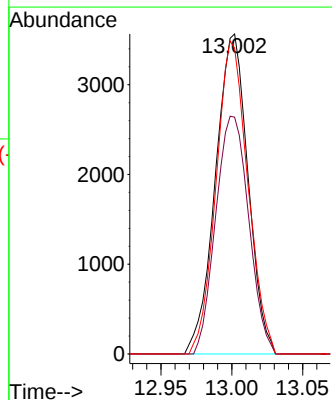
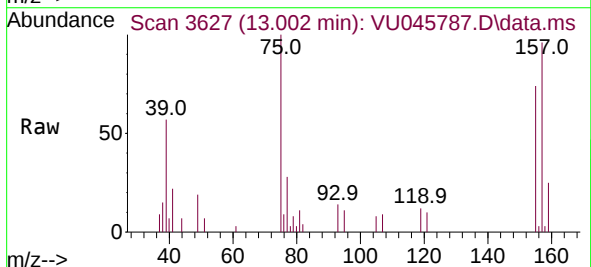
Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

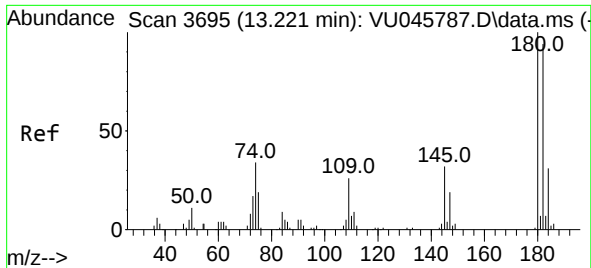
Tgt Ion:146 Resp: 70398
Ion Ratio Lower Upper
146 100
111 44.2 35.4 53.0
148 63.9 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 4.676 ug/L
RT: 13.002 min Scan# 3627
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion: 75 Resp: 5708
Ion Ratio Lower Upper
75 100
155 74.0 59.2 88.8
157 95.6 76.5 114.7

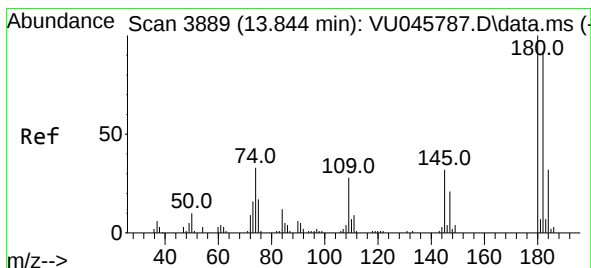
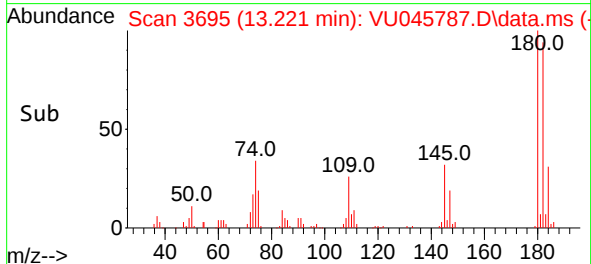
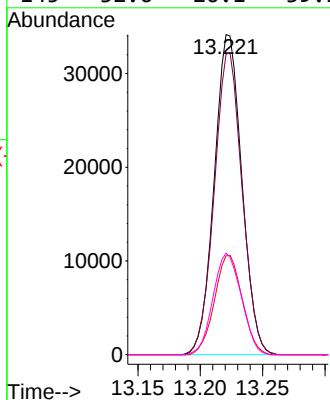
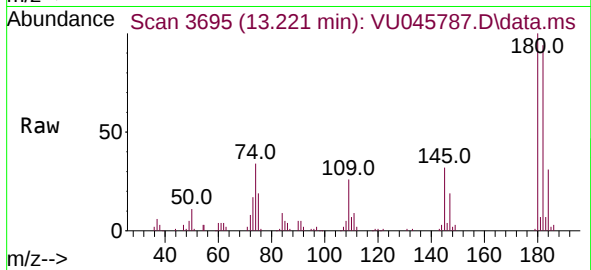




#69
 1,3,5-Trichlorobenzene
 Concen: 4.837 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU045787.D
 Acq: 15 Nov 2021 11:51

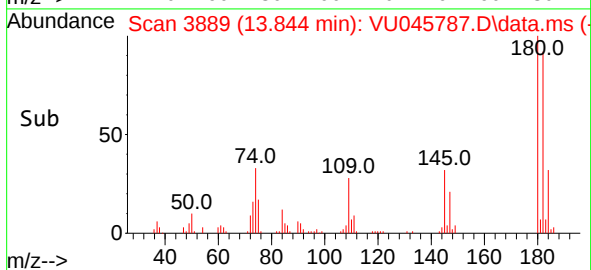
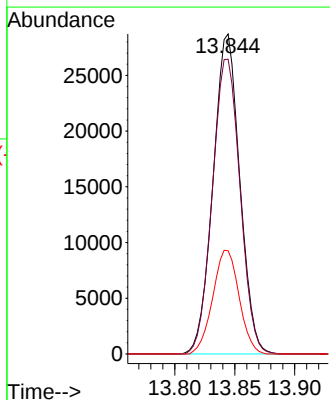
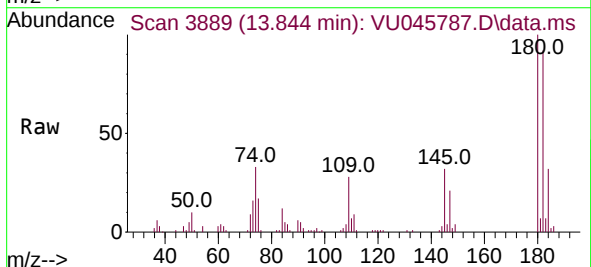
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005036

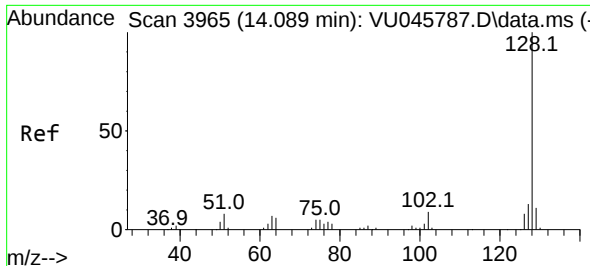
Tgt Ion:180	Resp:	52598
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.1 114.1
184	31.2	25.0 37.4
145	32.6	26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.622 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.000 min
 Lab File: VU045787.D
 Acq: 15 Nov 2021 11:51

Tgt Ion:180	Resp:	44405
Ion Ratio	Lower	Upper
180	100	
182	95.5	76.4 114.6
145	32.0	25.6 38.4

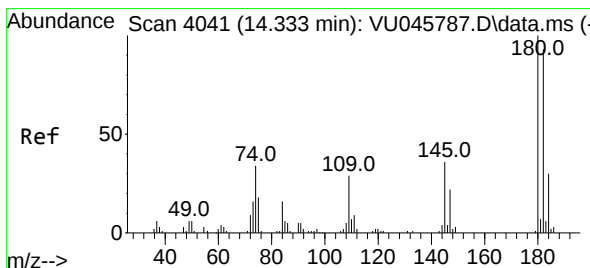
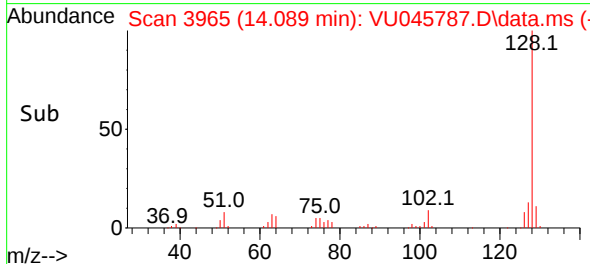
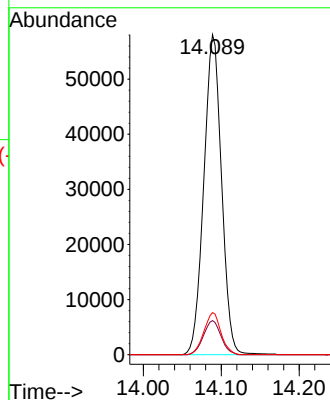
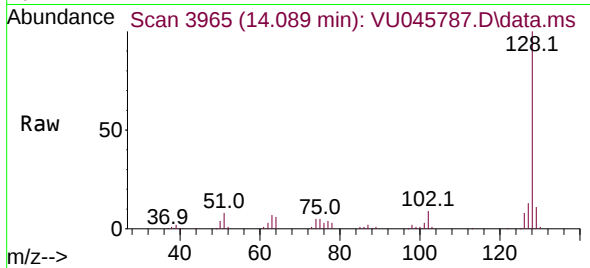




#71
Naphthalene
Concen: 4.486 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD005036

Tgt Ion:128 Resp: 91632
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.7 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.799 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU045787.D
Acq: 15 Nov 2021 11:51

Tgt Ion:180 Resp: 44018
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 35.5 28.4 42.6

