

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122721\
 Data File : VU046612.D
 Acq On : 27 Dec 2021 20:39
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

Quant Time: Dec 28 04:59:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 28 04:55:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	68680	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	69056	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	39227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	27146	5.018	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.400%
7) Chloroethane-d5	1.919	69	25325	5.945	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.000%
11) 1,1-Dichloroethene-d2	2.571	65	13633	5.976	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	119.600%
20) 2-Butanone-d5	4.655	46	103163	65.743	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.480%#
24) Chloroform-d	5.067	84	63679	6.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	128.400%#
26) 1,2-Dichloroethane-d4	5.706	65	36589	6.457	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.200%
32) Benzene-d6	5.732	84	119168	6.190	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.800%
36) 1,2-Dichloropropane-d6	6.694	67	37271	6.443	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	128.800%
41) Toluene-d8	7.899	98	110275	6.312	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.200%
43) trans-1,3-Dichloroprop...	8.182	79	15353	5.739	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	114.800%
46) 2-Hexanone-d5	8.636	63	98054	62.426	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.860%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	36798	6.198	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.000%#
66) 1,2-Dichlorobenzene-d4	12.195	152	41545	5.750	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	46064	4.383	ug/L	98
3) Chloromethane	1.523	50	35577	3.931	ug/L	99
5) Vinyl chloride	1.610	62	37080	4.161	ug/L	100
6) Bromomethane	1.864	94	18110	3.376	ug/L	97
8) Chloroethane	1.941	64	23328	4.460	ug/L	99
9) Trichlorofluoromethane	2.147	101	56069	4.811	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	29639	4.995	ug/L	98
12) 1,1-Dichloroethene	2.588	96	28948	4.792	ug/L	80
13) Acetone	2.678	43	78957	53.669	ug/L	90
14) Carbon disulfide	2.800	76	66607	3.375	ug/L	100
15) Methyl Acetate	2.967	43	16417	5.525	ug/L	93
16) Methylene chloride	3.051	84	36718	4.995	ug/L	94
17) Methyl tert-butyl Ether	3.369	73	95016	5.391	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	29994	4.654	ug/L	92
19) 1,1-Dichloroethane	3.877	63	61403	5.171	ug/L	98
21) 2-Butanone	4.732	43	124395	55.731	ug/L	94
22) cis-1,2-Dichloroethene	4.671	96	36318	5.155	ug/L	98
23) Bromochloromethane	4.980	128	17798	5.076	ug/L	91
25) Chloroform	5.092	83	68033	5.304	ug/L	96

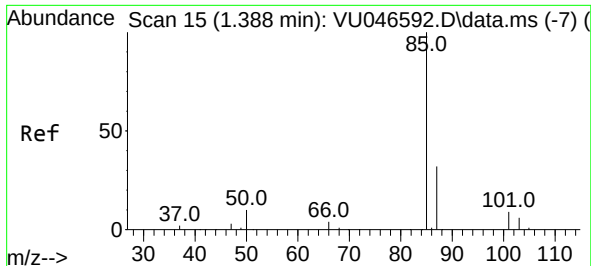
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122721\
 Data File : VU046612.D
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 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Dec 28 04:59:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 28 04:55:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	48451	5.292	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	57600	5.044	ug/L	97
30) Cyclohexane	5.395	56	37680	3.989	ug/L	94
31) Carbon tetrachloride	5.530	117	46903	4.895	ug/L	99
33) Benzene	5.777	78	131067	4.777	ug/L	100
34) Trichloroethene	6.542	95	34489	4.768	ug/L	98
35) Methylcyclohexane	6.767	83	42269	4.145	ug/L	96
37) 1,2-Dichloropropane	6.793	63	36539	5.221	ug/L	99
38) Bromodichloromethane	7.108	83	51453	5.311	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	53697	5.068	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	285153	54.277	ug/L	96
42) Toluene	7.970	91	142857	5.073	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	50979	5.192	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	31824	5.272	ug/L	98
47) Tetrachloroethene	8.555	164	25367	4.956	ug/L	93
48) 2-Hexanone	8.687	43	213075	54.307	ug/L	97
49) Dibromochloromethane	8.812	129	37536	5.392	ug/L	99
50) 1,2-Dibromoethane	8.925	107	30339	5.207	ug/L #	100
51) Chlorobenzene	9.449	112	93113	5.172	ug/L	99
52) Ethylbenzene	9.571	91	148206	5.084	ug/L	100
53) m,p-Xylene	9.693	106	58742	5.260	ug/L	93
54) o-Xylene	10.102	106	58507	5.452	ug/L	96
55) Styrene	10.115	104	105203	5.652	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	43504	5.516	ug/L	94
59) Bromoform	10.291	173	22952	5.064	ug/L	99
60) Isopropylbenzene	10.484	105	151384	5.004	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	32312	4.960	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	125479	4.987	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	132150	5.216	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	78621	5.346	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	79482	5.280	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	78080	5.294	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	7481	4.961	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	58845	5.287	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	52127	5.530	ug/L	99
71) Naphthalene	14.086	128	115475	5.516	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	52624	5.639	ug/L	99

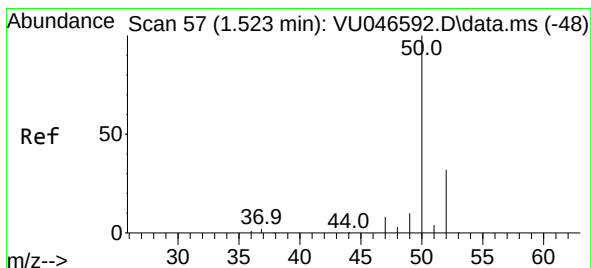
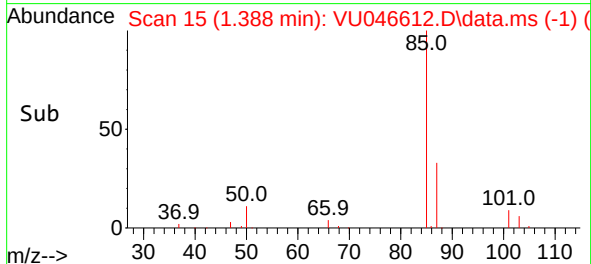
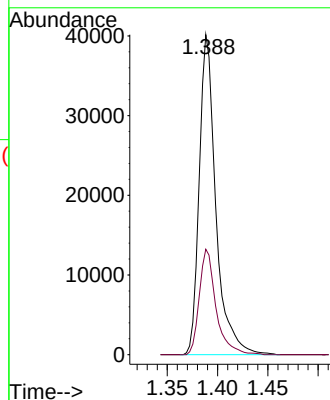
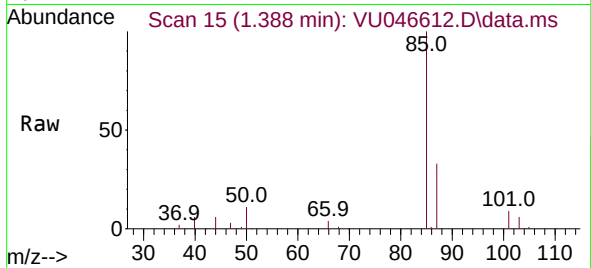
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#2
 Dichlorodifluoromethane
 Concen: 4.383 ug/L
 RT: 1.388 min Scan# 15
 Delta R.T. -0.000 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

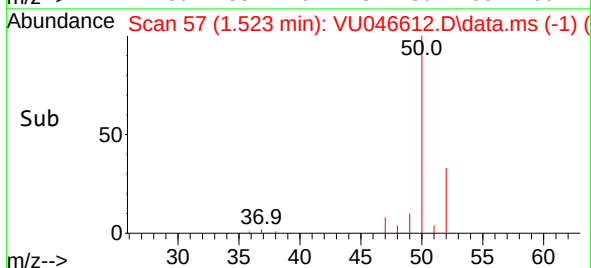
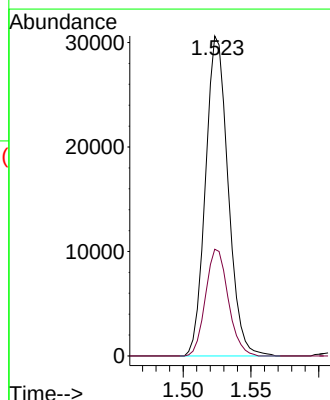
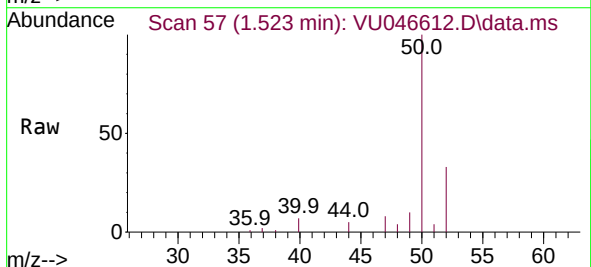
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

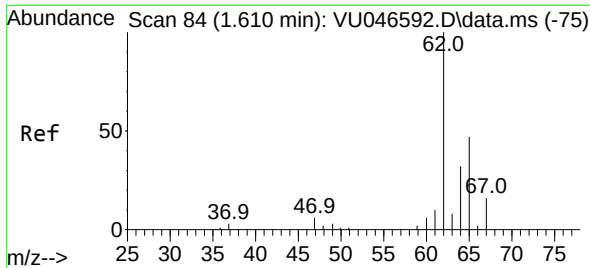
Tgt Ion: 85 Resp: 46064
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.8 38.6



#3
 Chloromethane
 Concen: 3.931 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. -0.000 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

Tgt Ion: 50 Resp: 35577
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.0 42.8

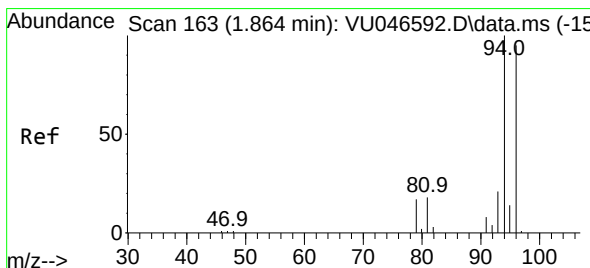
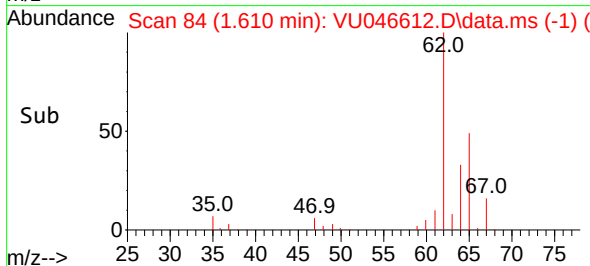
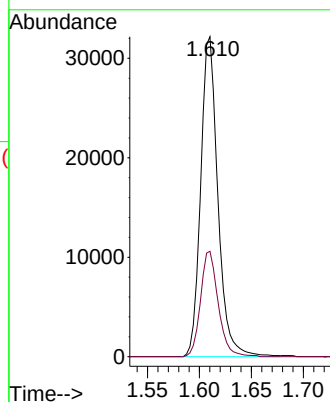
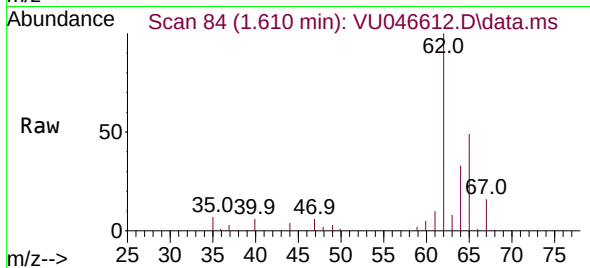




#5
 Vinyl chloride
 Concen: 4.161 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

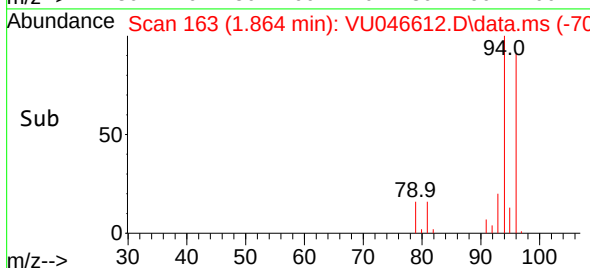
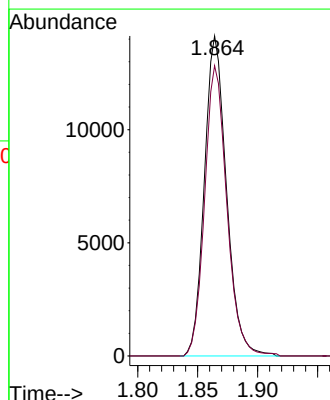
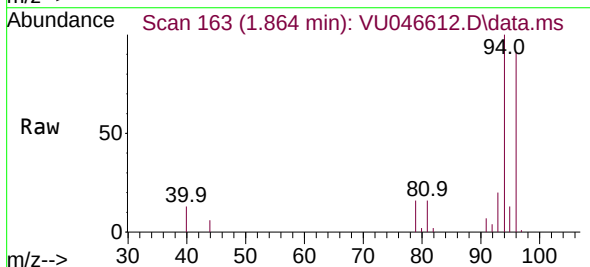
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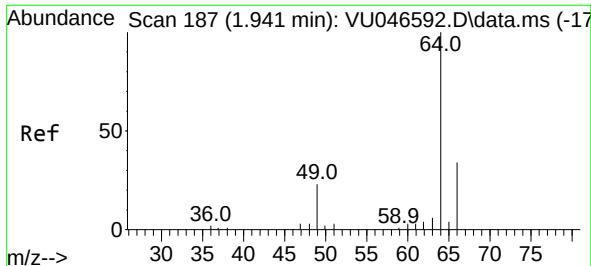
Tgt Ion: 62 Resp: 37080
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5



#6
 Bromomethane
 Concen: 3.376 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

Tgt Ion: 94 Resp: 18110
 Ion Ratio Lower Upper
 94 100
 96 90.7 65.5 121.6

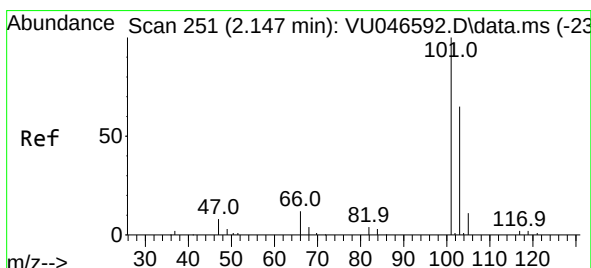
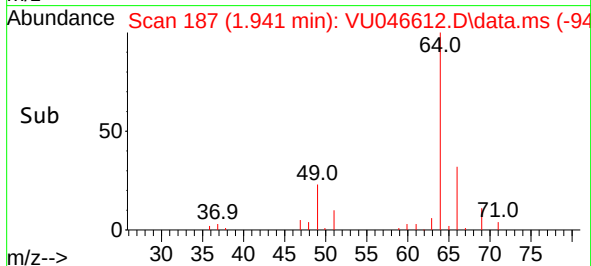
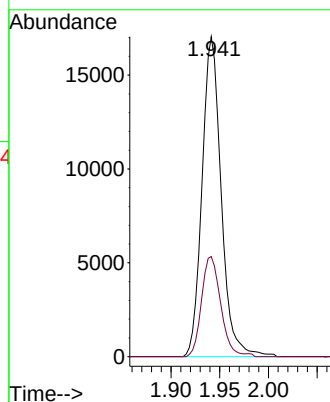
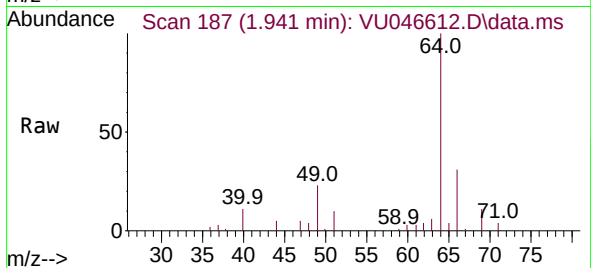




#8
Chloroethane
Concen: 4.460 ug/L
RT: 1.941 min Scan# 187
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

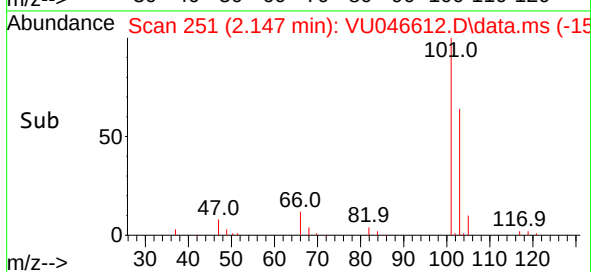
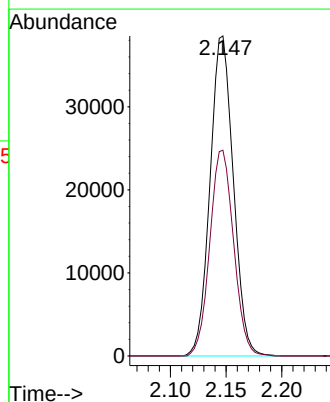
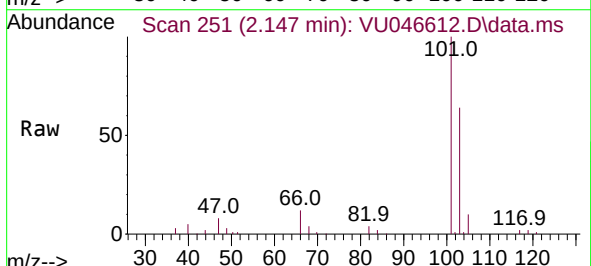
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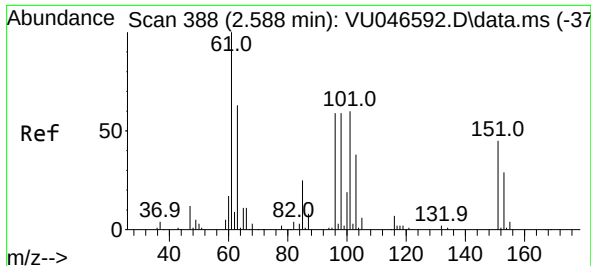
Tgt Ion: 64 Resp: 23328
Ion Ratio Lower Upper
64 100
66 31.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.811 ug/L
RT: 2.147 min Scan# 251
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion:101 Resp: 56069
Ion Ratio Lower Upper
101 100
103 65.6 51.5 77.3

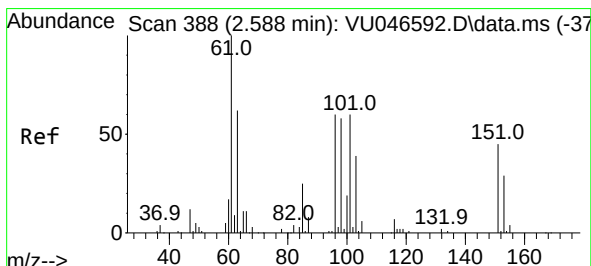
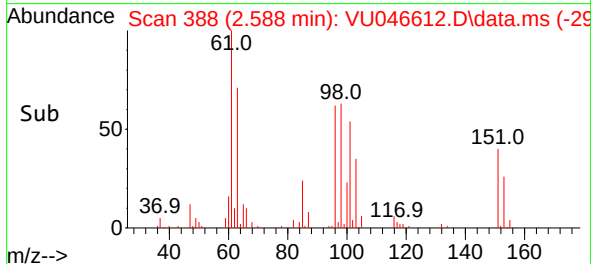
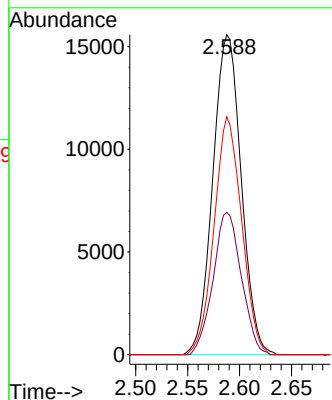
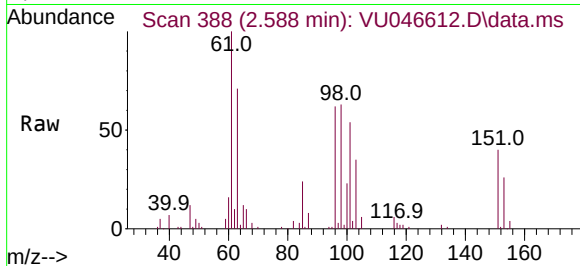




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.995 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

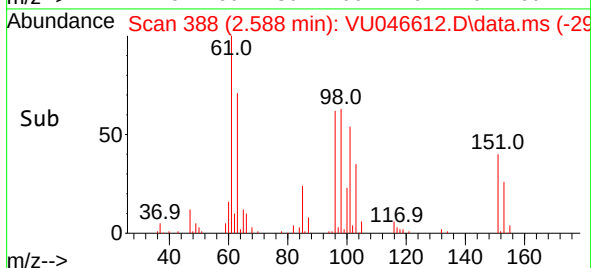
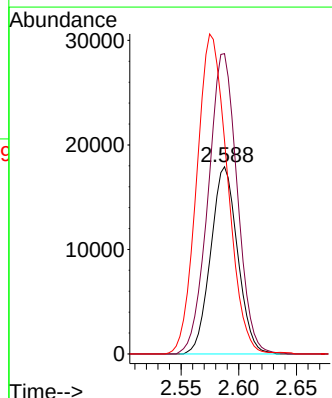
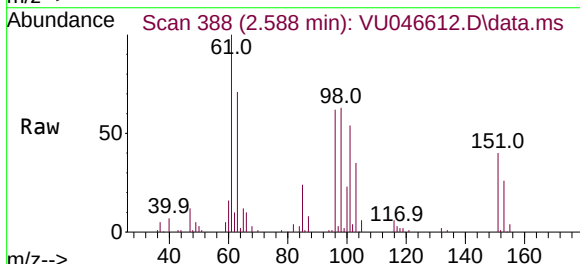
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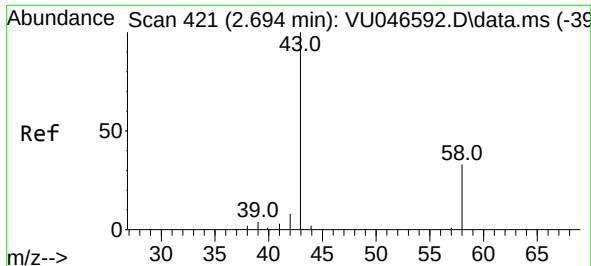
Tgt Ion:101 Resp: 29639
 Ion Ratio Lower Upper
 101 100
 85 44.2 34.6 51.8
 151 72.1 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 4.792 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

Tgt Ion: 96 Resp: 28948
 Ion Ratio Lower Upper
 96 100
 61 160.5 124.7 231.5
 63 114.2 105.2 195.4





#13

Acetone

Concen: 53.669 ug/L

RT: 2.678 min Scan# 416

Delta R.T. -0.016 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

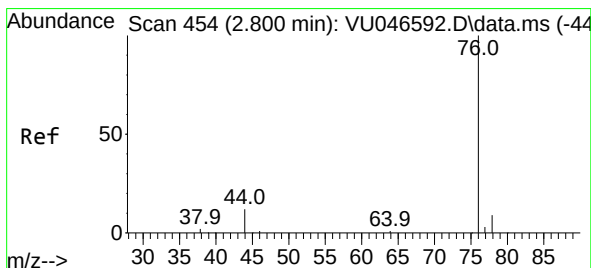
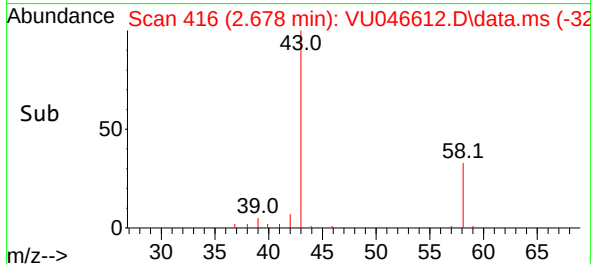
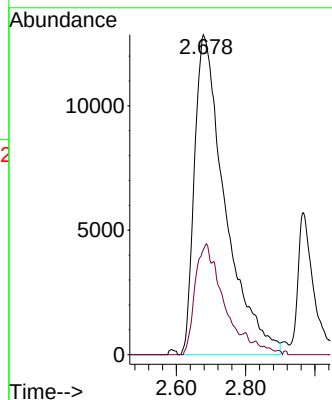
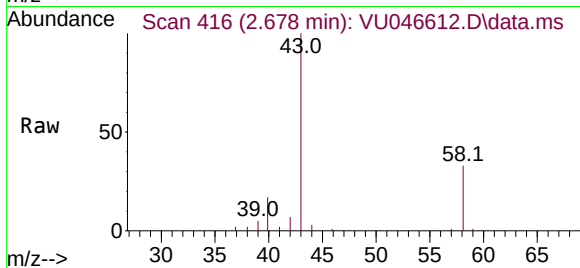
VSTD005146

Tgt Ion: 43 Resp: 78957

Ion Ratio Lower Upper

43 100

58 29.9 0.0 71.6



#14

Carbon disulfide

Concen: 3.375 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046612.D

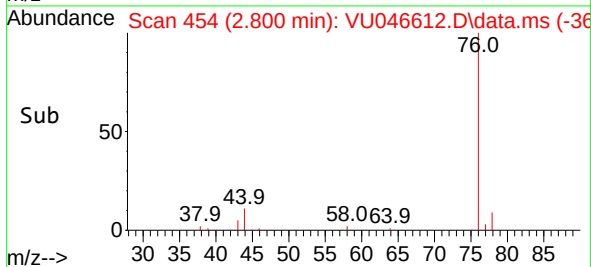
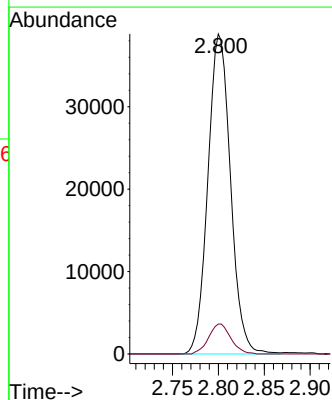
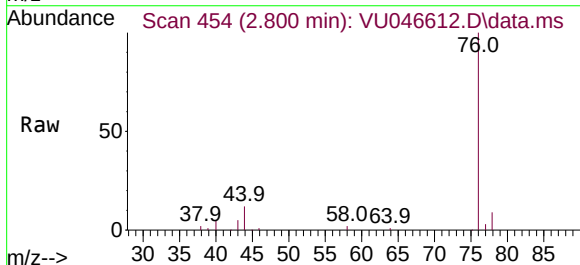
Acq: 27 Dec 2021 20:39

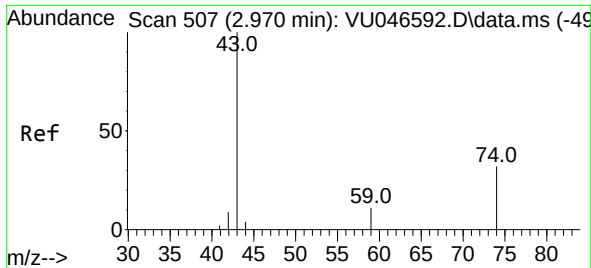
Tgt Ion: 76 Resp: 66607

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

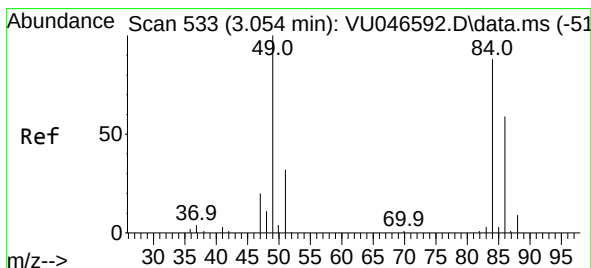
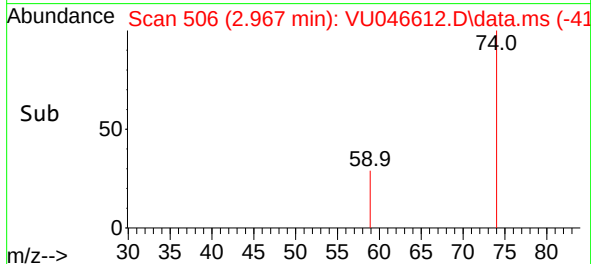
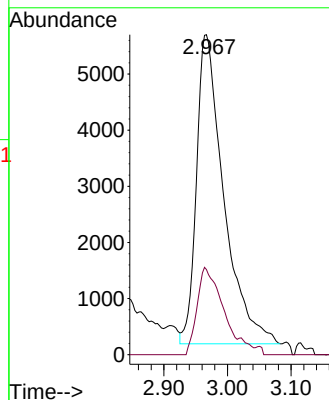
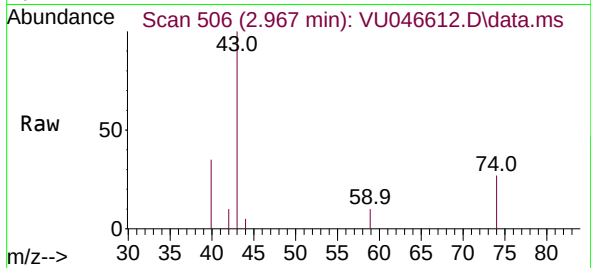




#15
Methyl Acetate
Concen: 5.525 ug/L
RT: 2.967 min Scan# 507
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

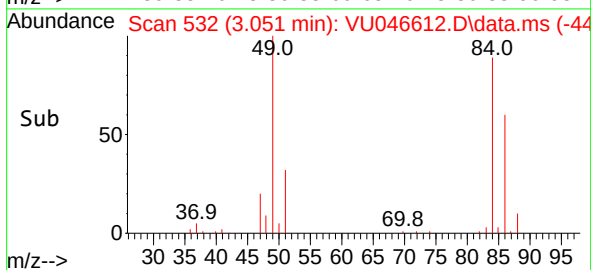
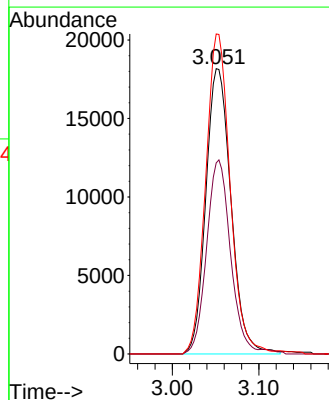
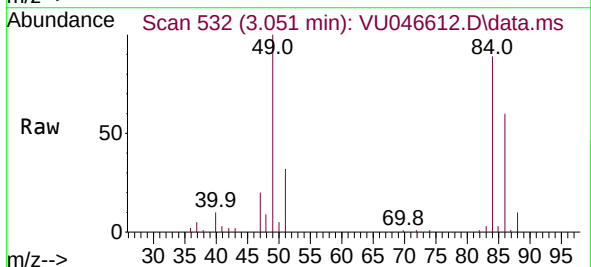
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

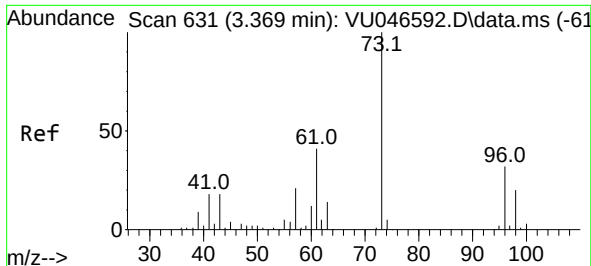
Tgt Ion: 43 Resp: 16417
Ion Ratio Lower Upper
43 100
74 27.5 19.1 28.7



#16
Methylene chloride
Concen: 4.995 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion: 84 Resp: 36718
Ion Ratio Lower Upper
84 100
86 67.0 45.8 85.0
49 112.2 84.5 156.9

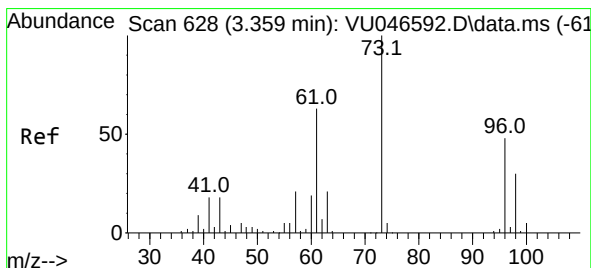
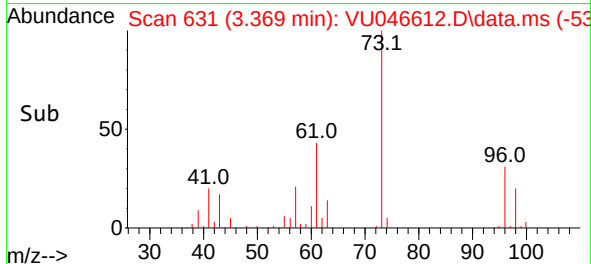
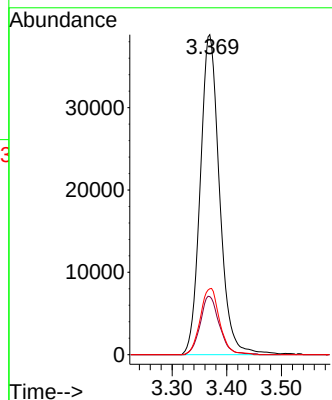
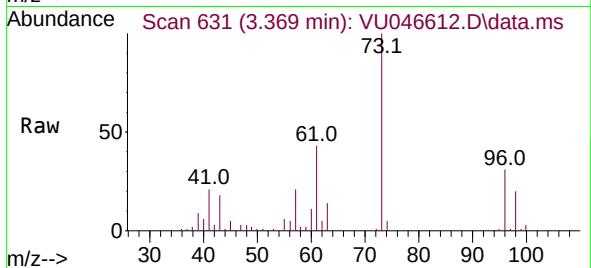




#17
Methyl tert-butyl Ether
Concen: 5.391 ug/L
RT: 3.369 min Scan# 611
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

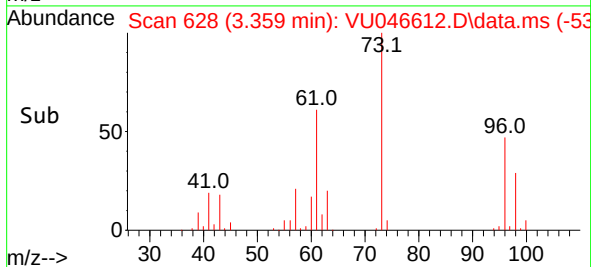
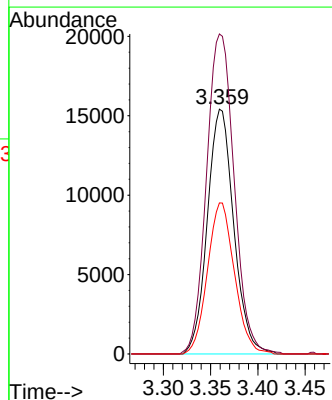
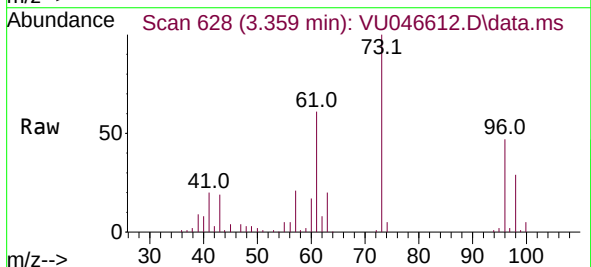
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

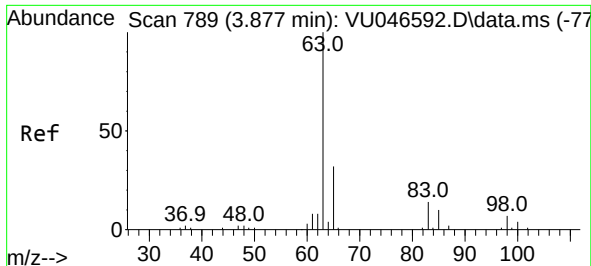
Tgt Ion: 73	Resp:	95016
Ion Ratio	Lower	Upper
73	100	
43	18.1	14.8 22.2
57	20.8	17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.654 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion: 96	Resp:	29994
Ion Ratio	Lower	Upper
96	100	
61	130.7	100.8 187.2
98	61.7	45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.171 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005146

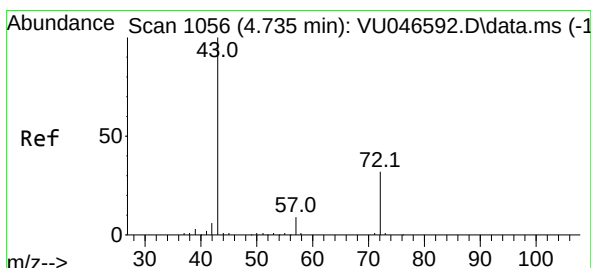
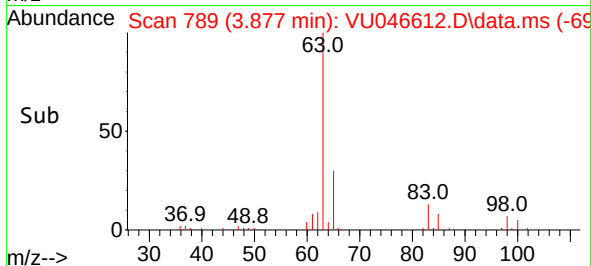
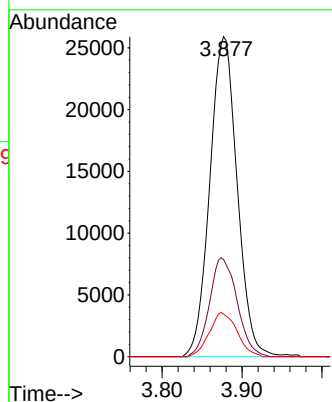
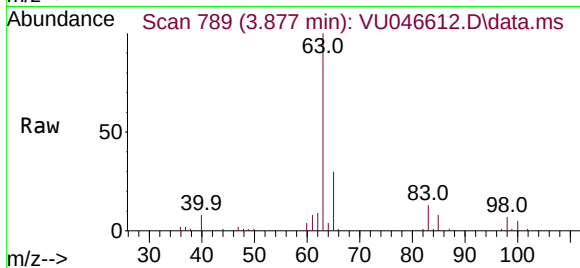
Tgt Ion: 63 Resp: 61403

Ion Ratio Lower Upper

63 100

65 30.4 22.3 41.5

83 13.3 9.6 17.8



#21

2-Butanone

Concen: 55.731 ug/L

RT: 4.732 min Scan# 1055

Delta R.T. -0.003 min

Lab File: VU046612.D

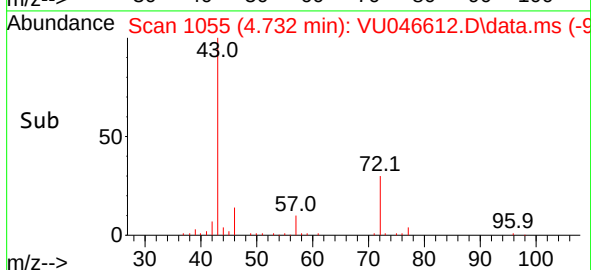
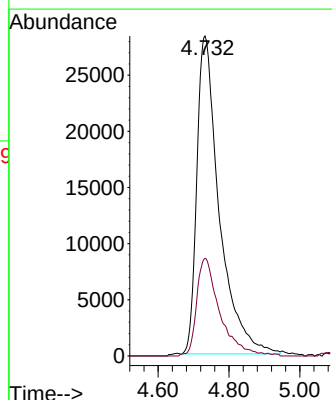
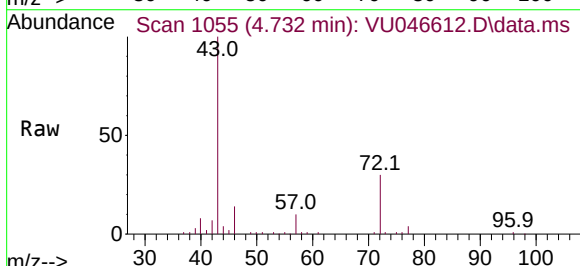
Acq: 27 Dec 2021 20:39

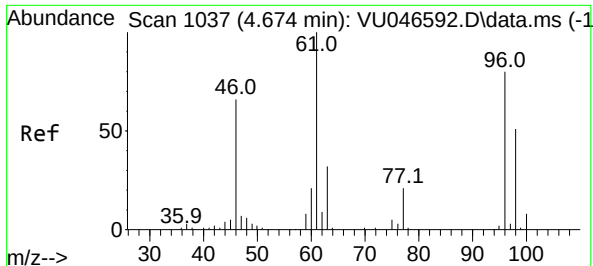
Tgt Ion: 43 Resp: 124395

Ion Ratio Lower Upper

43 100

72 31.2 14.1 42.3

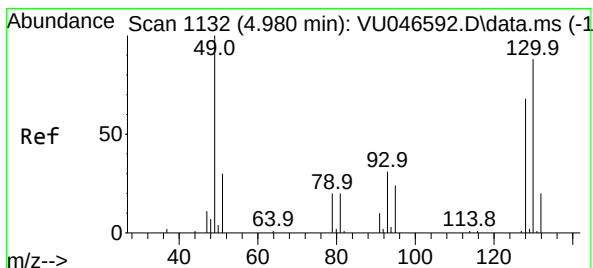
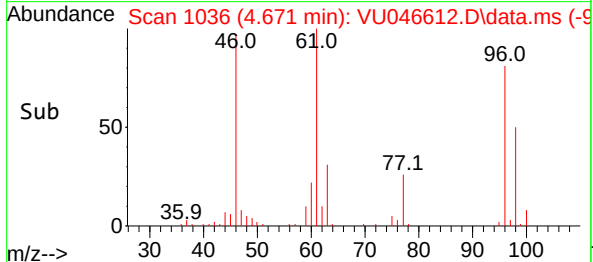
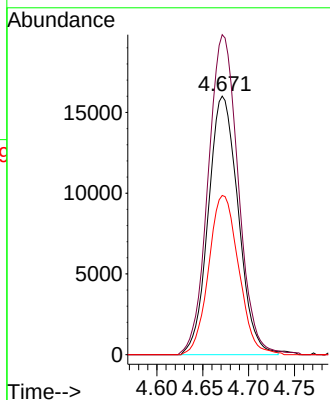
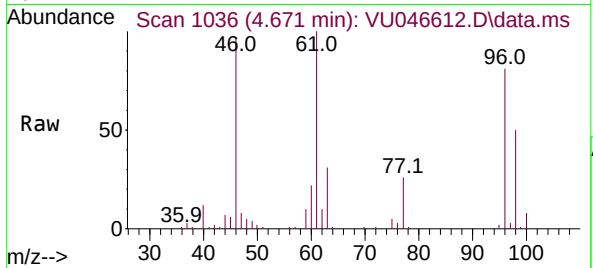




#22
 cis-1,2-Dichloroethene
 Concen: 5.155 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

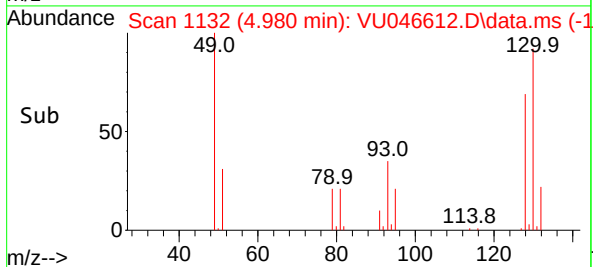
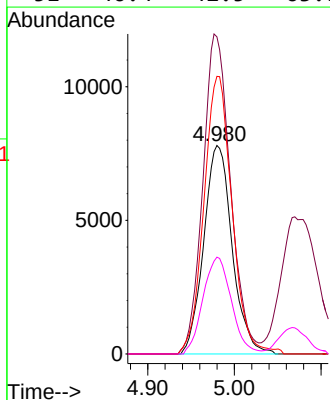
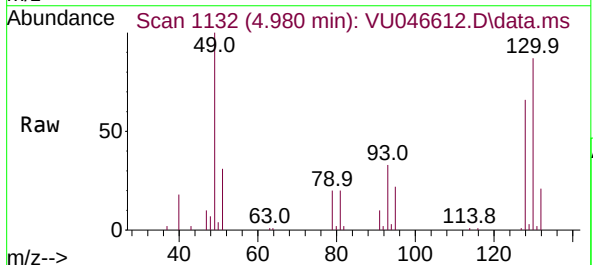
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

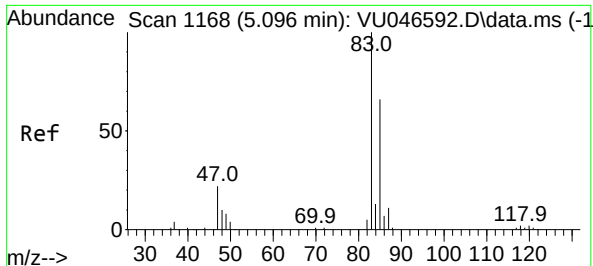
Tgt Ion: 96 Resp: 36318
 Ion Ratio Lower Upper
 96 100
 61 123.8 88.5 164.3
 98 61.6 44.4 82.5



#23
 Bromochloromethane
 Concen: 5.076 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. -0.000 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

Tgt Ion: 128 Resp: 17798
 Ion Ratio Lower Upper
 128 100
 49 152.1 117.0 217.2
 130 133.1 88.2 163.8
 51 46.4 42.5 63.7





#25

Chloroform

Concen: 5.304 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

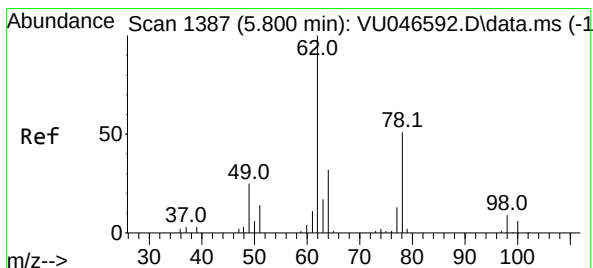
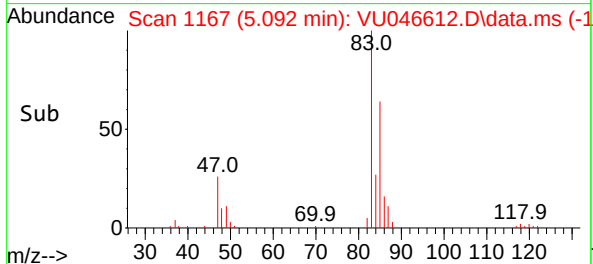
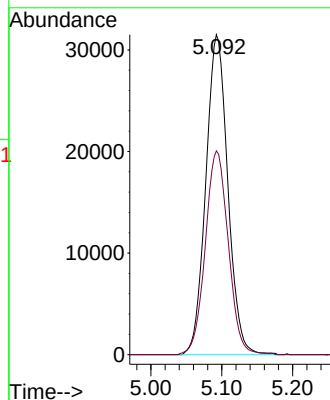
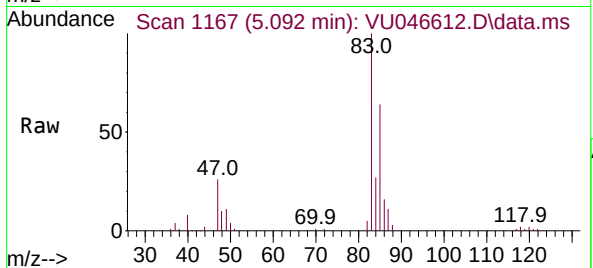
VSTD005146

Tgt Ion: 83 Resp: 68033

Ion Ratio Lower Upper

83 100

85 63.7 46.9 87.1



#27

1,2-Dichloroethane

Concen: 5.292 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046612.D

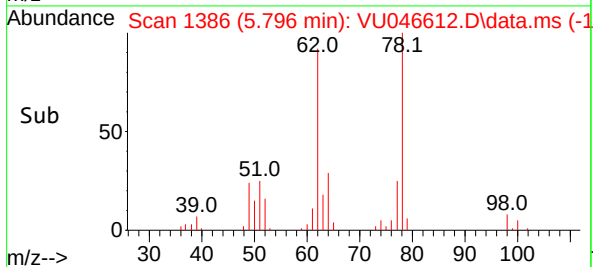
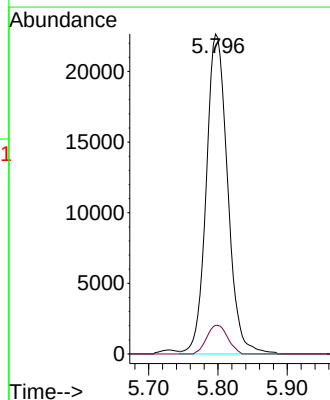
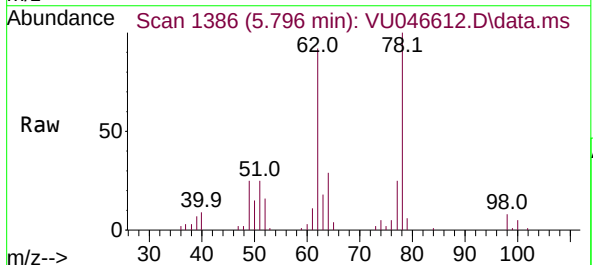
Acq: 27 Dec 2021 20:39

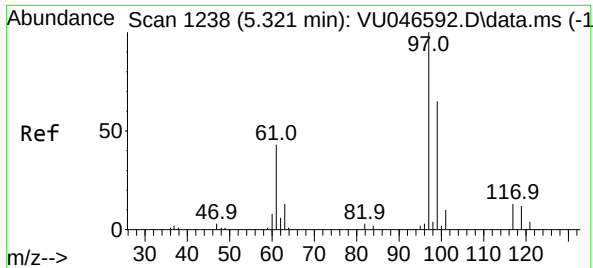
Tgt Ion: 62 Resp: 48451

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.8

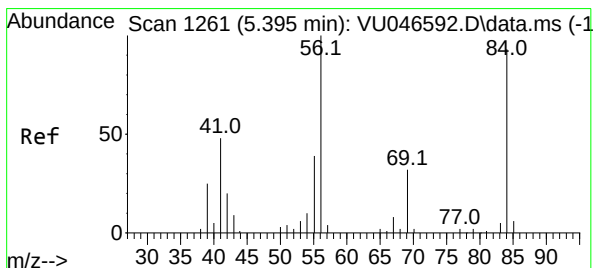
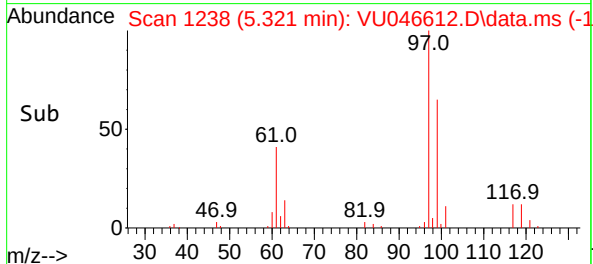
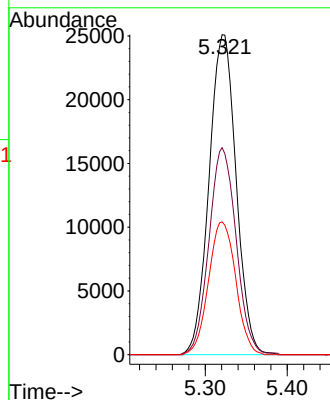
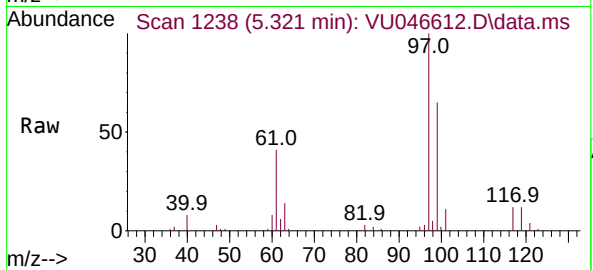




#29
1,1,1-Trichloroethane
Concen: 5.044 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

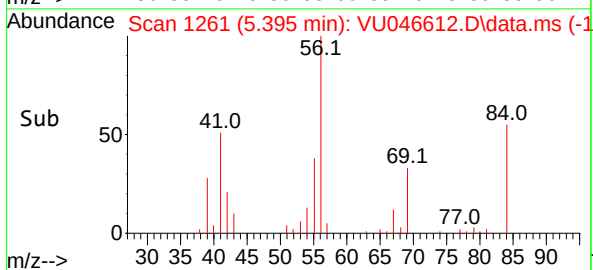
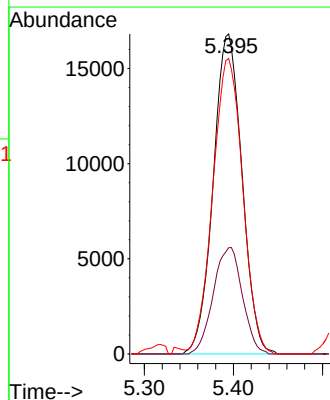
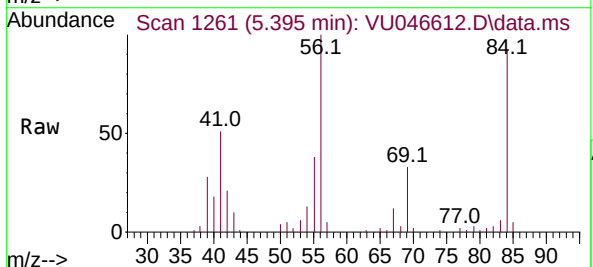
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

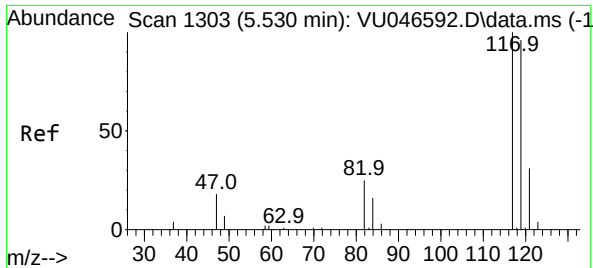
Tgt Ion:	97	Resp:	57600
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.3	76.9
61	41.7	36.1	54.1



#30
Cyclohexane
Concen: 3.989 ug/L
RT: 5.395 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion:	56	Resp:	37680
Ion	Ratio	Lower	Upper
56	100		
69	33.6	24.7	37.1
84	96.0	71.8	107.6

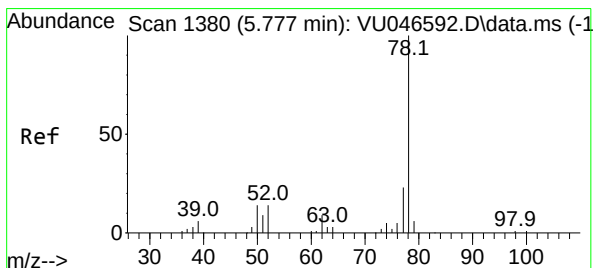
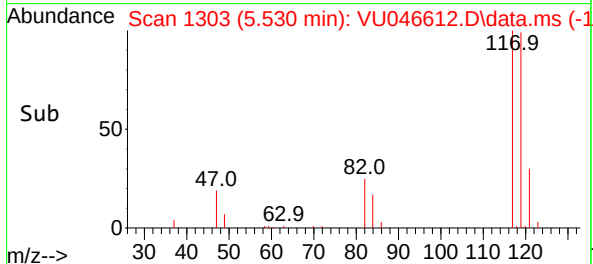
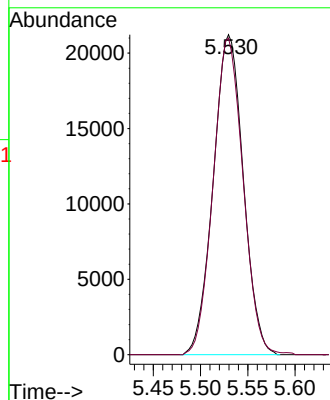
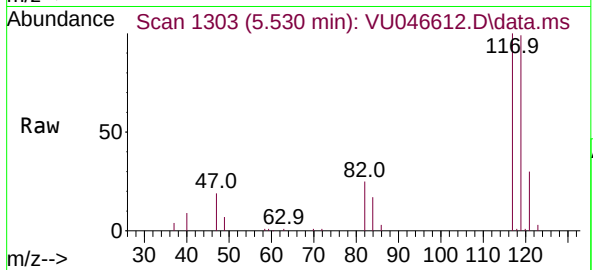




#31
Carbon tetrachloride
Concen: 4.895 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

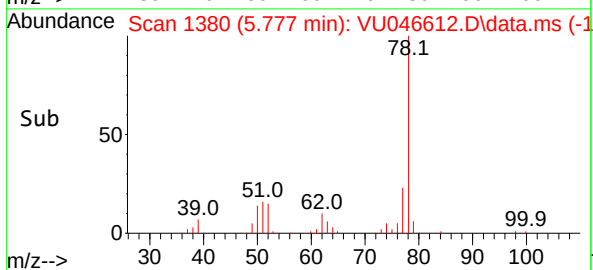
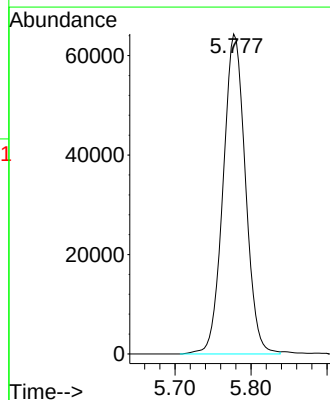
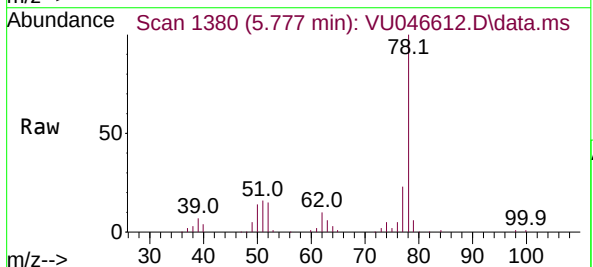
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

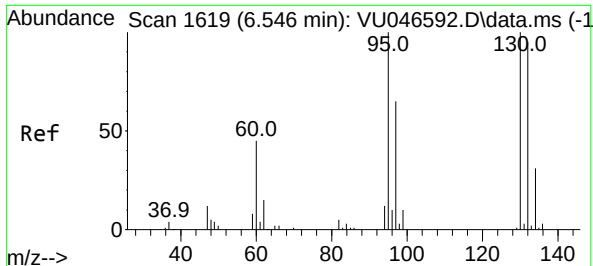
Tgt Ion:117 Resp: 46903
Ion Ratio Lower Upper
117 100
119 98.2 77.5 116.3



#33
Benzene
Concen: 4.777 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion: 78 Resp: 131067



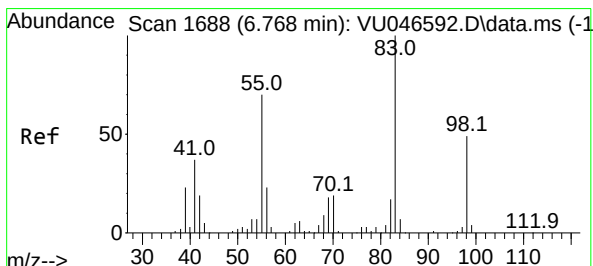
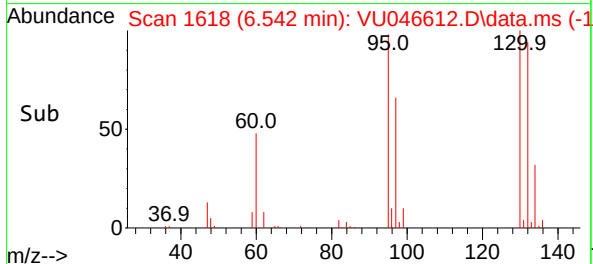
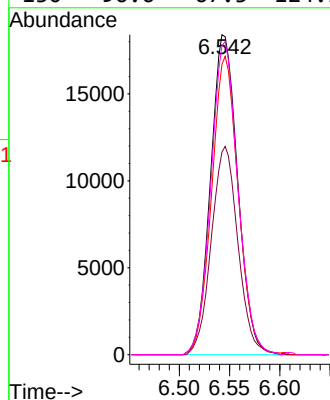
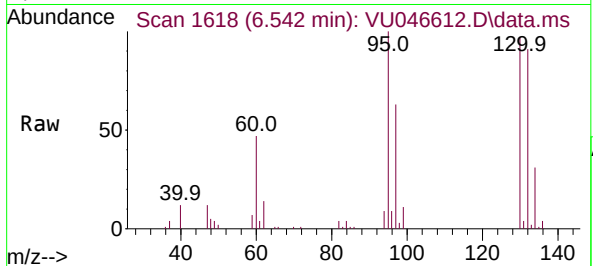


#34
Trichloroethene
Concen: 4.768 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

Tgt Ion: 95 Resp: 34489

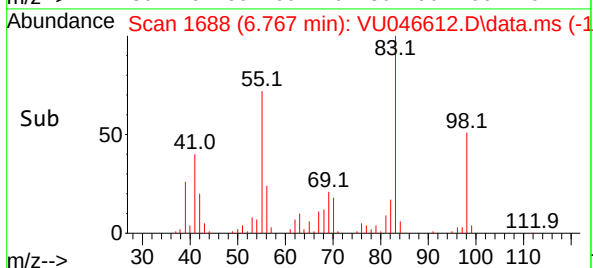
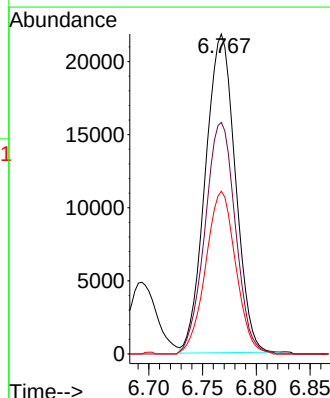
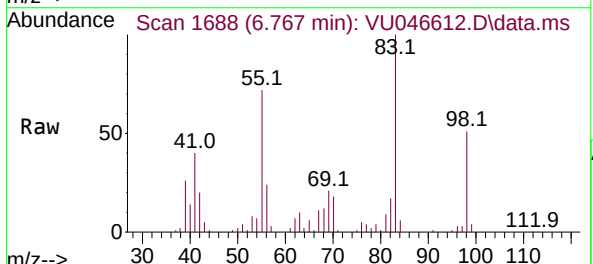
Ion	Ratio	Lower	Upper
95	100		
97	63.3	46.5	86.5
132	90.7	65.1	120.9
130	96.6	67.3	124.9

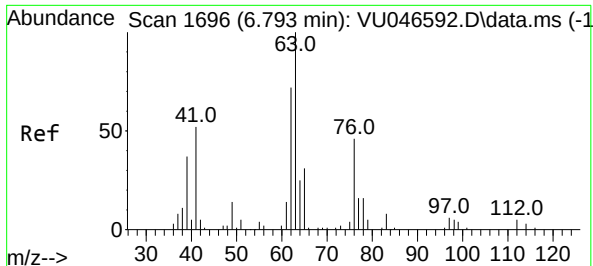


#35
Methylcyclohexane
Concen: 4.145 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion: 83 Resp: 42269

Ion	Ratio	Lower	Upper
83	100		
55	73.9	61.9	92.9
98	51.2	39.0	58.6





#37

1,2-Dichloropropane

Concen: 5.221 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

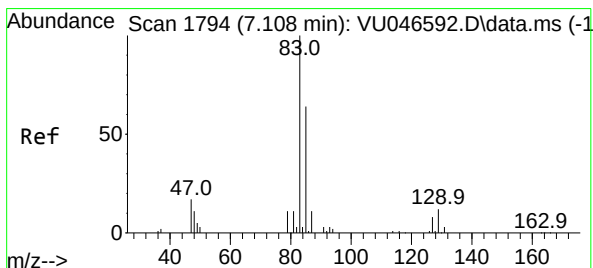
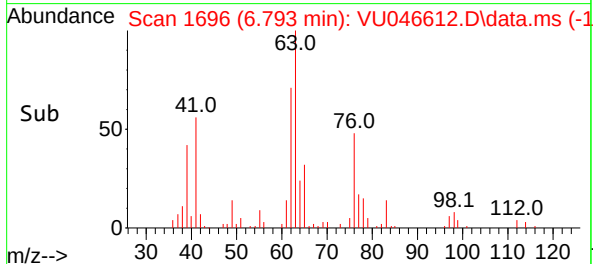
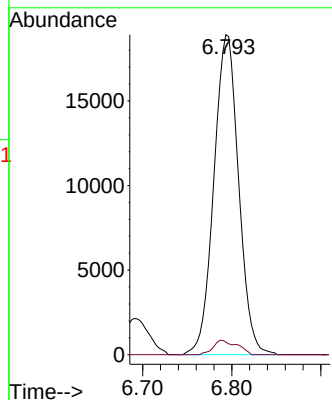
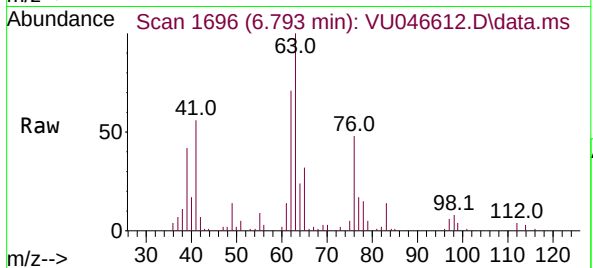
VSTD005146

Tgt Ion: 63 Resp: 36539

Ion Ratio Lower Upper

63 100

112 4.3 3.2 4.8



#38

Bromodichloromethane

Concen: 5.311 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

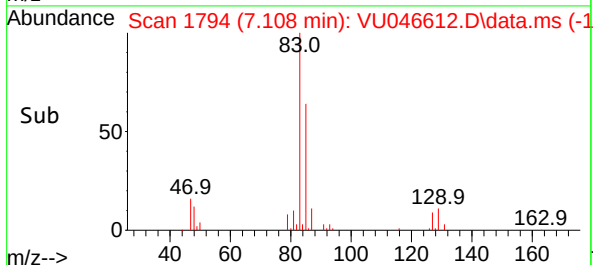
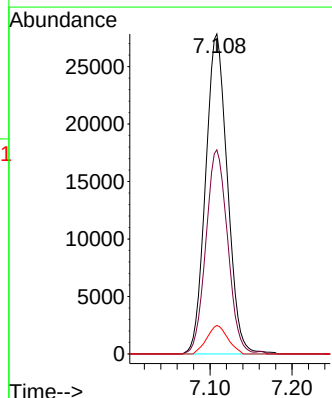
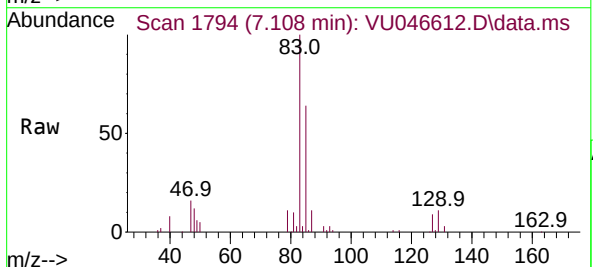
Tgt Ion: 83 Resp: 51453

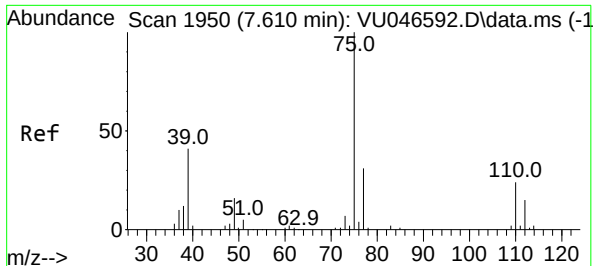
Ion Ratio Lower Upper

83 100

85 63.8 44.0 81.8

127 8.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.068 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

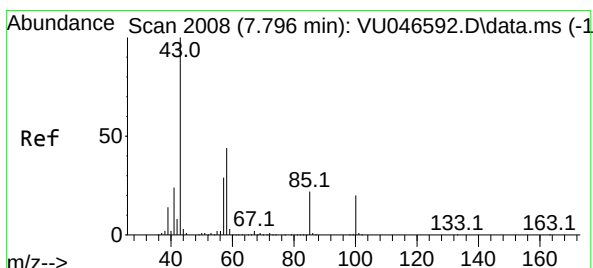
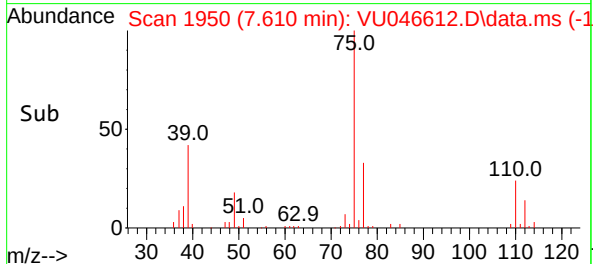
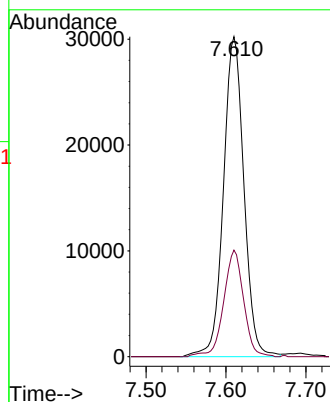
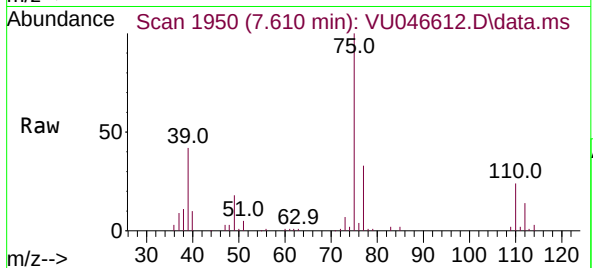
VSTD005146

Tgt Ion: 75 Resp: 53697

Ion Ratio Lower Upper

75 100

77 33.3 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 54.277 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

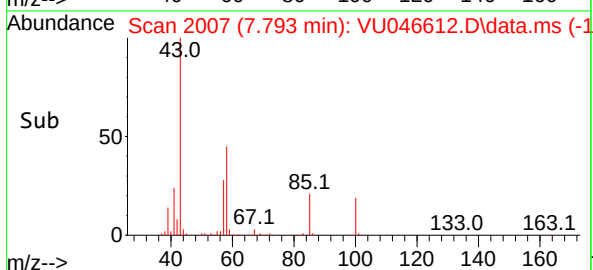
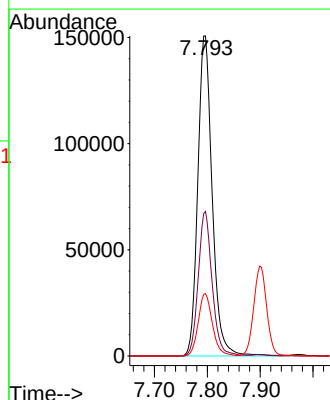
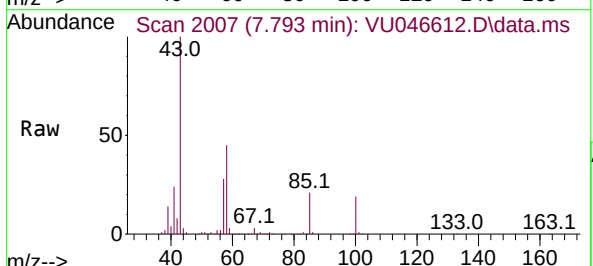
Tgt Ion: 43 Resp: 285153

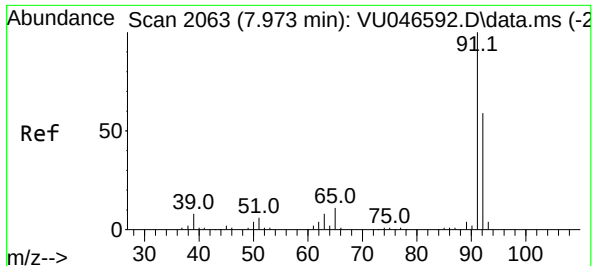
Ion Ratio Lower Upper

43 100

58 43.6 33.1 49.7

100 19.2 13.2 19.8





#42

Toluene

Concen: 5.073 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

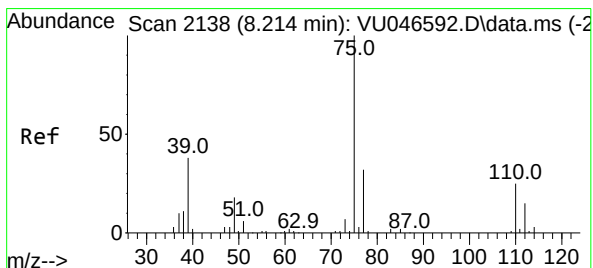
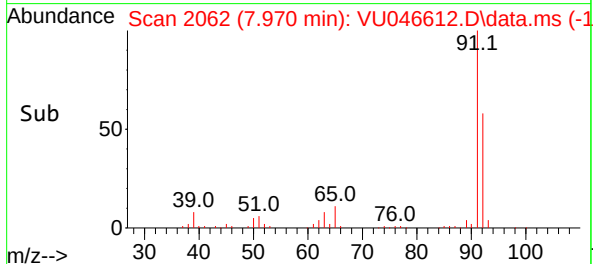
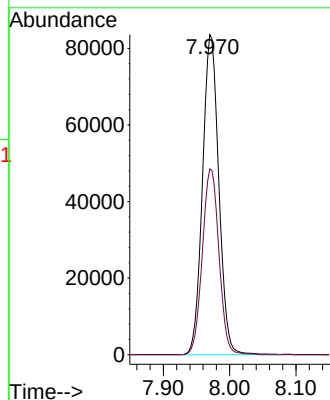
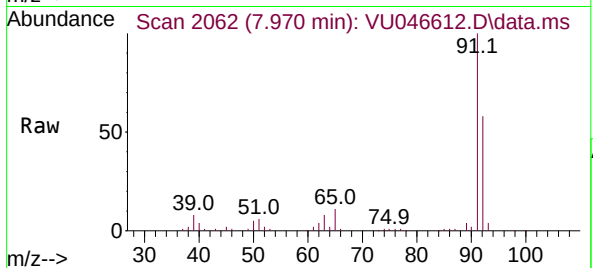
VSTD005146

Tgt Ion: 91 Resp: 142857

Ion Ratio Lower Upper

91 100

92 58.0 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 5.192 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046612.D

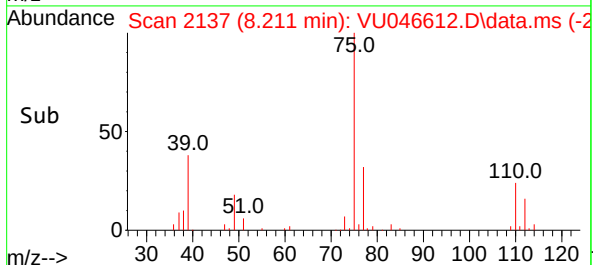
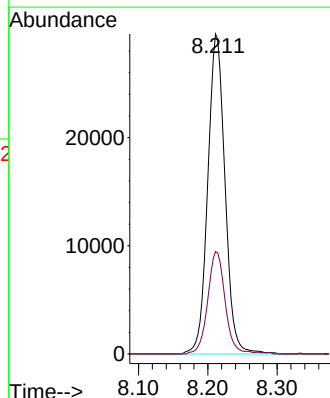
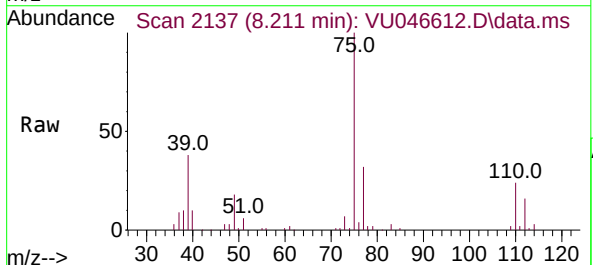
Acq: 27 Dec 2021 20:39

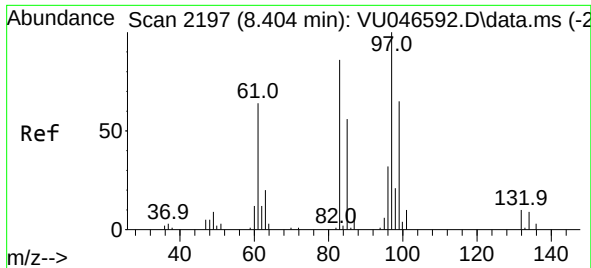
Tgt Ion: 75 Resp: 50979

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.3

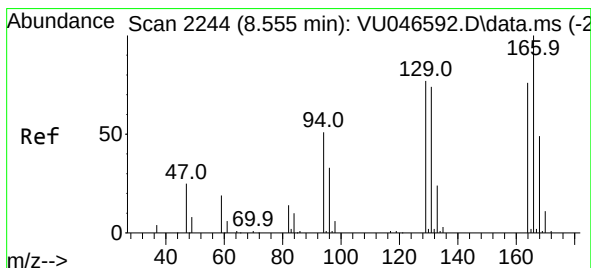
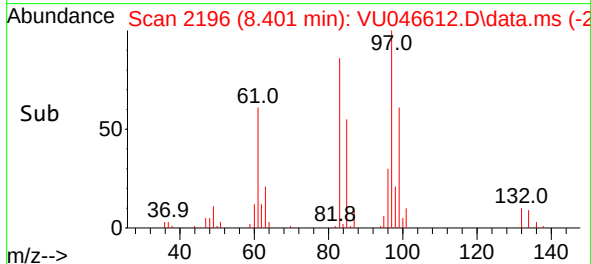
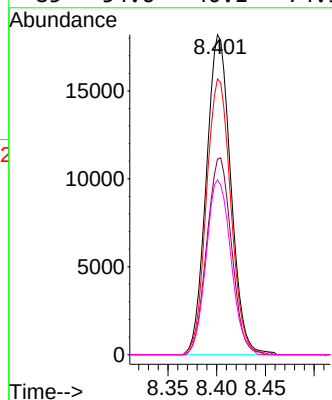
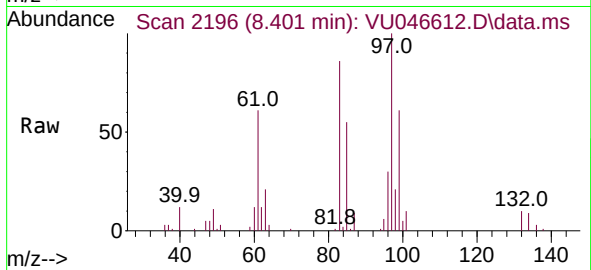




#45
1,1,2-Trichloroethane
Concen: 5.272 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

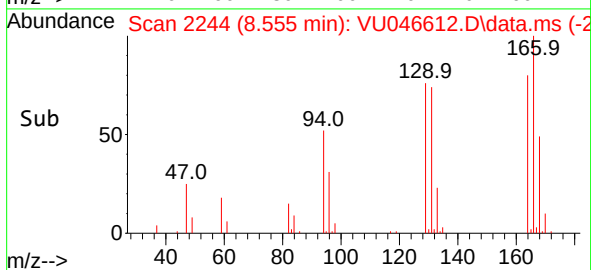
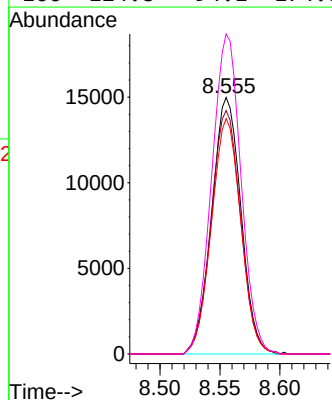
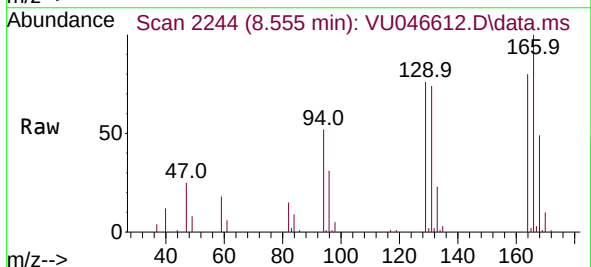
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

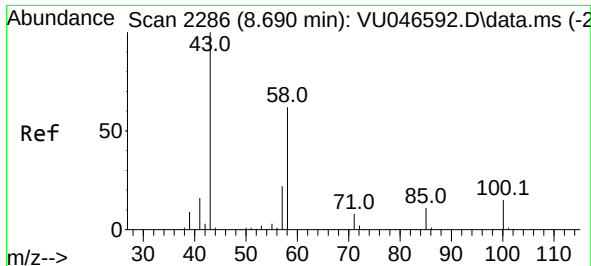
Tgt Ion:	97	Resp:	31824
Ion	Ratio	Lower	Upper
97	100		
99	61.1	42.3	78.5
83	86.2	62.0	115.2
85	54.6	40.1	74.5



#47
Tetrachloroethene
Concen: 4.956 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion:	164	Resp:	25367
Ion	Ratio	Lower	Upper
164	100		
129	94.9	71.8	133.4
131	91.8	68.5	127.3
166	124.8	94.1	174.8



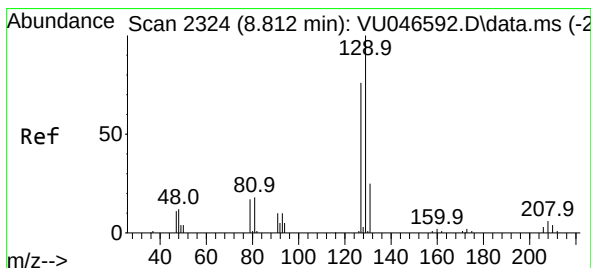
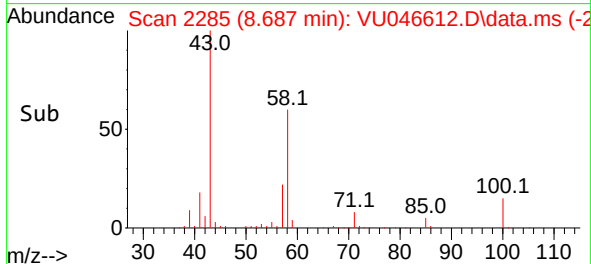
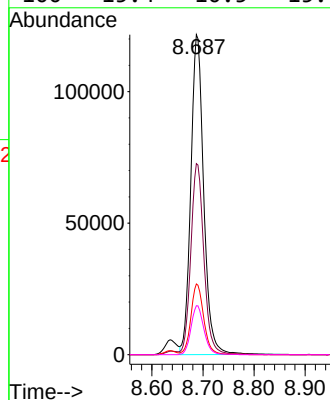
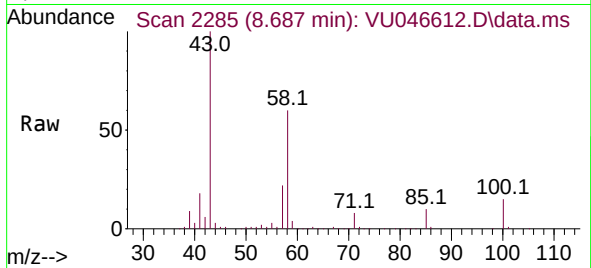


#48
2-Hexanone
Concen: 54.307 ug/L
RT: 8.687 min Scan# 213075
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

Tgt Ion: 43 Resp: 213075

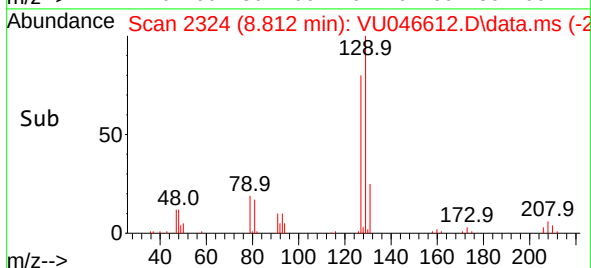
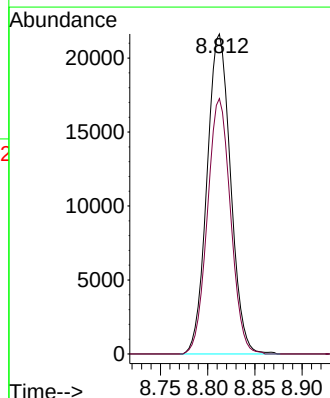
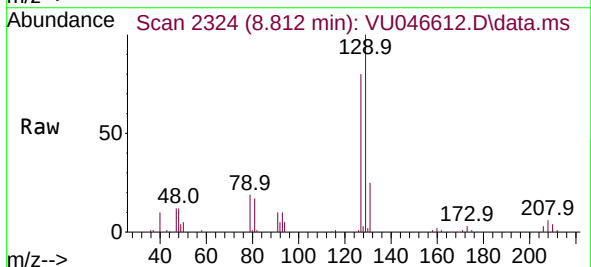
Ion	Ratio	Lower	Upper
43	100		
58	60.1	46.7	70.1
57	21.7	16.3	24.5
100	15.4	10.5	15.7

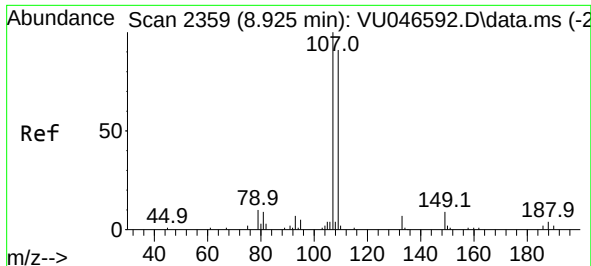


#49
Dibromochloromethane
Concen: 5.392 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion: 129 Resp: 37536

Ion	Ratio	Lower	Upper
129	100		
127	79.8	55.4	102.8

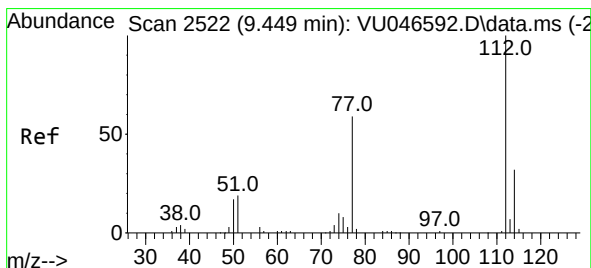
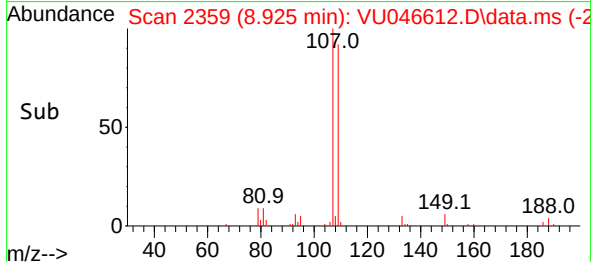
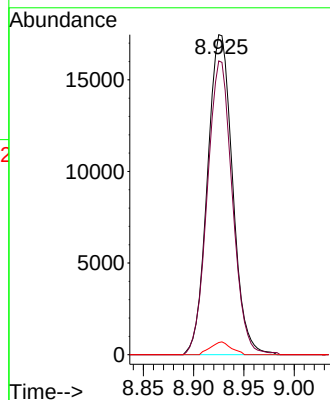
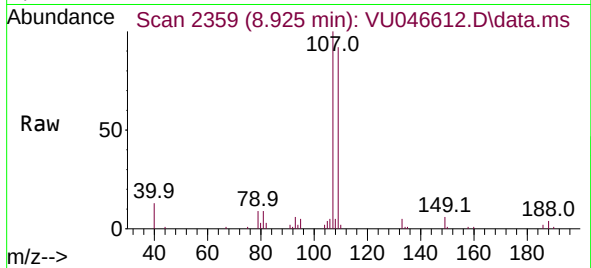




#50
1,2-Dibromoethane
Concen: 5.207 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

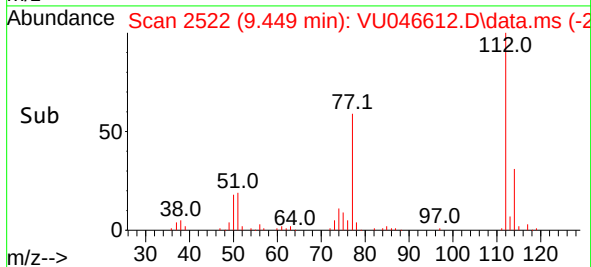
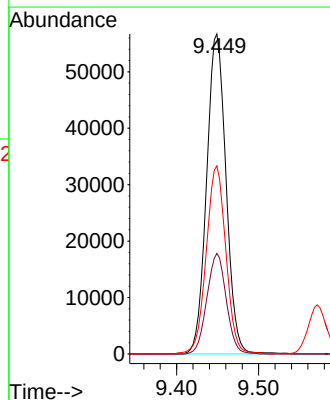
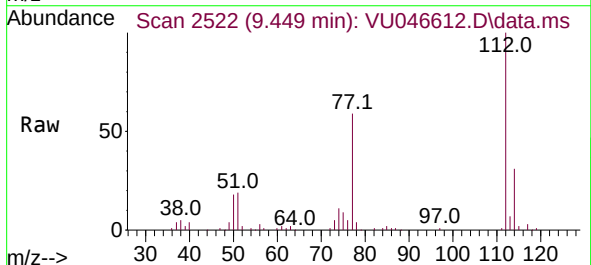
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

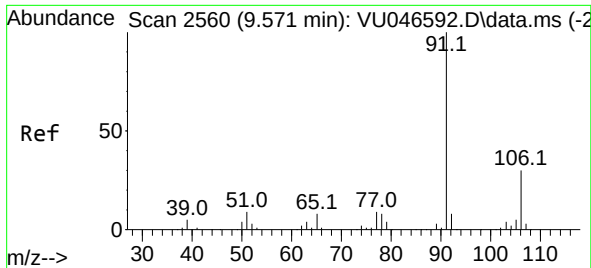
Tgt Ion:107 Resp: 30339
Ion Ratio Lower Upper
107 100
109 91.8 64.0 119.0
188 3.8 2.4 3.6#



#51
Chlorobenzene
Concen: 5.172 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion:112 Resp: 93113
Ion Ratio Lower Upper
112 100
114 31.4 22.1 41.1
77 58.8 48.3 72.5

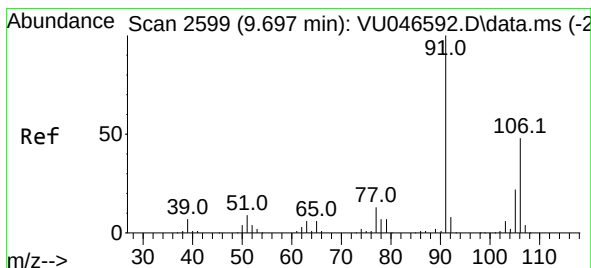
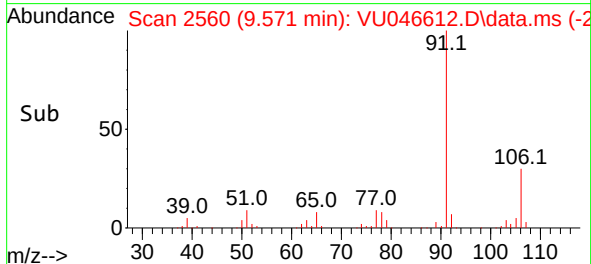
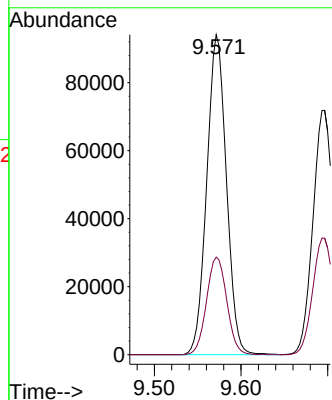
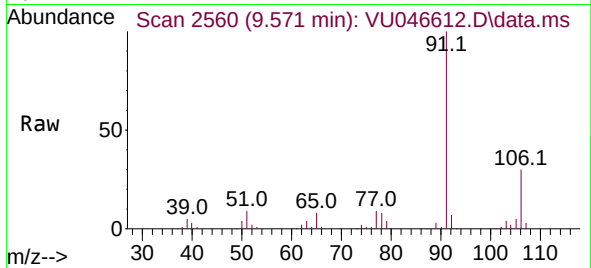




#52
Ethylbenzene
Concen: 5.084 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

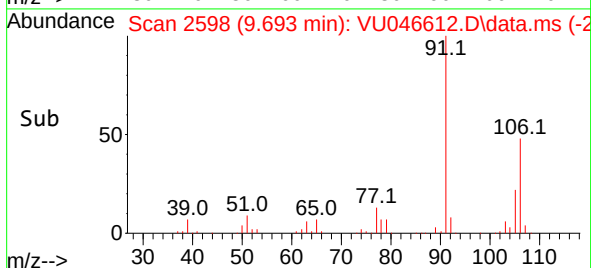
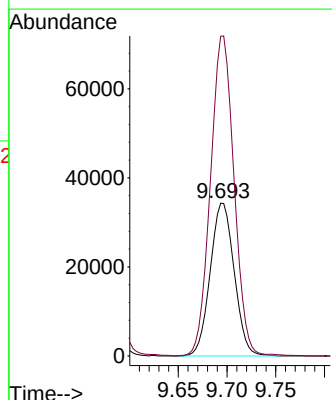
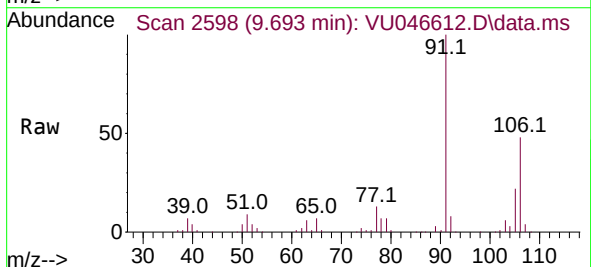
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

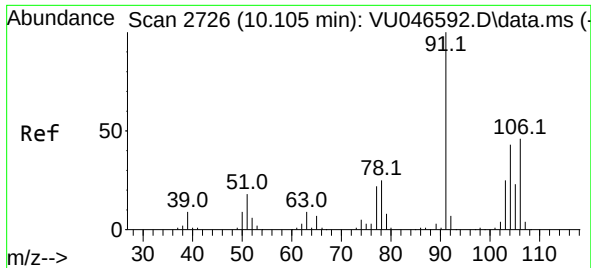
Tgt Ion: 91 Resp: 148206
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 5.260 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion: 106 Resp: 58742
Ion Ratio Lower Upper
106 100
91 209.3 139.4 259.0

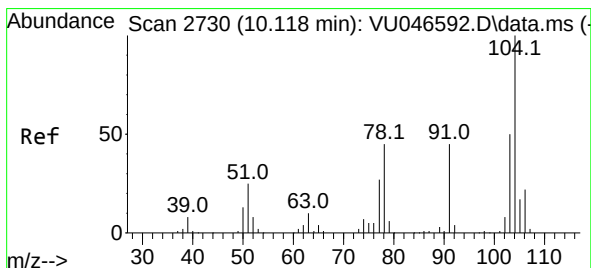
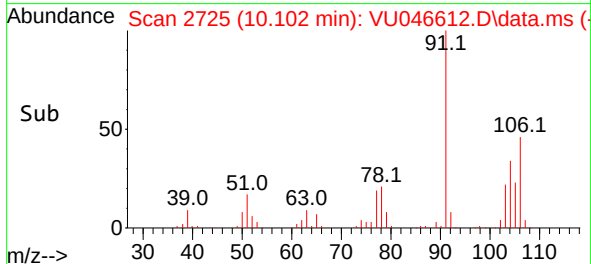
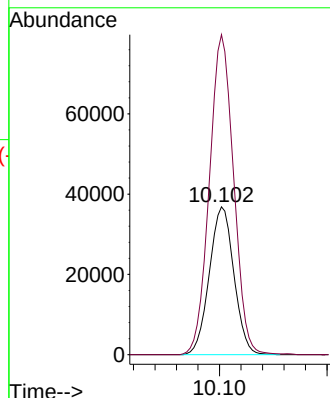
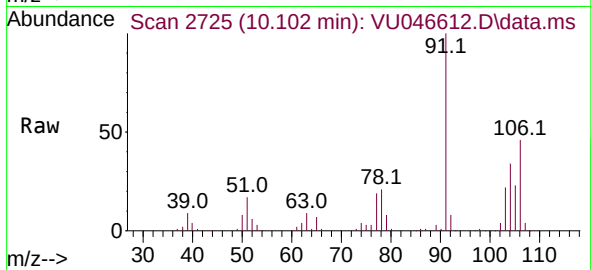




#54
o-Xylene
Concen: 5.452 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

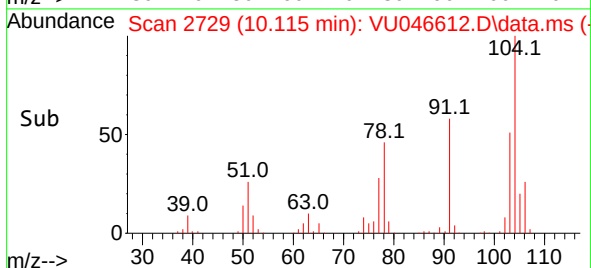
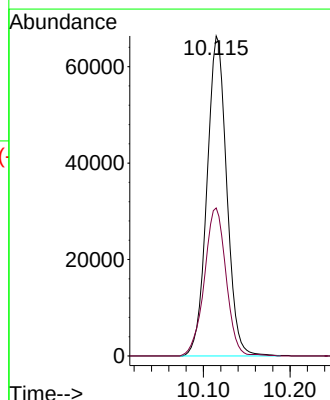
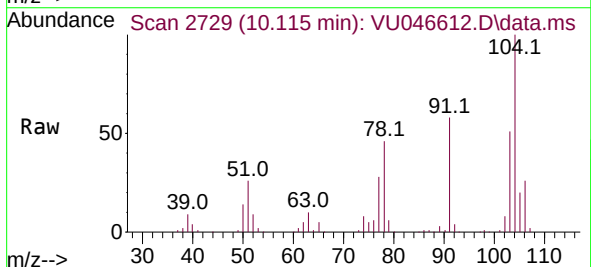
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

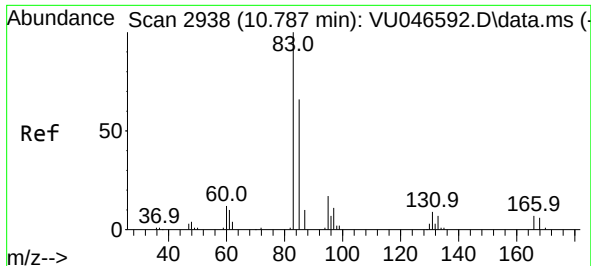
Tgt Ion:106 Resp: 58507
Ion Ratio Lower Upper
106 100
91 216.5 147.5 273.9



#55
Styrene
Concen: 5.652 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion:104 Resp: 105203
Ion Ratio Lower Upper
104 100
78 46.3 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.516 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005146

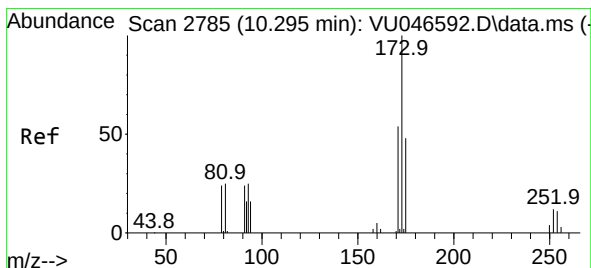
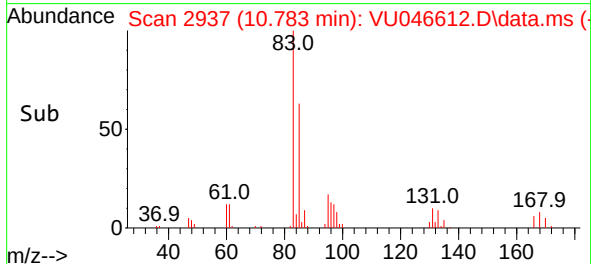
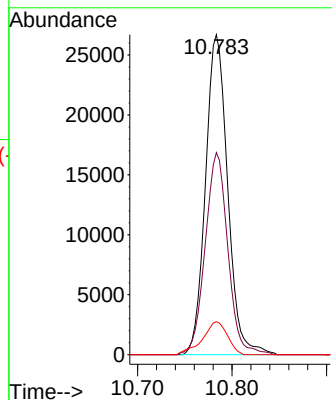
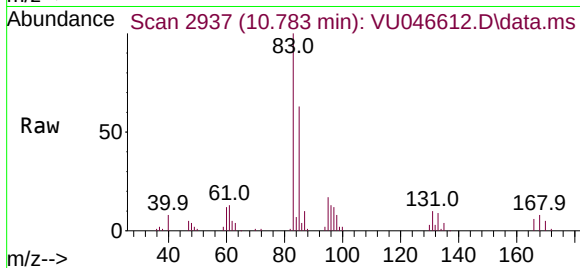
Tgt Ion: 83 Resp: 43504

Ion Ratio Lower Upper

83 100

85 63.1 47.9 89.1

131 10.3 8.1 12.1



#59

Bromoform

Concen: 5.064 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

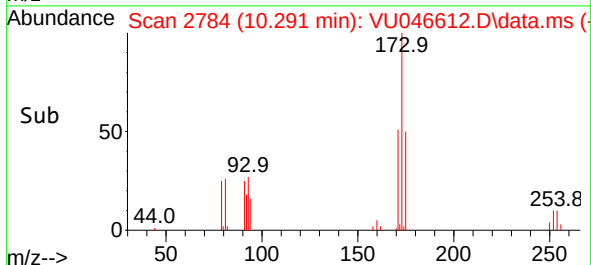
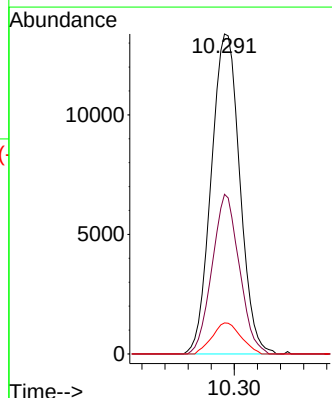
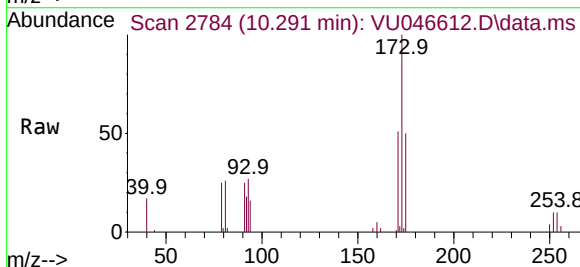
Tgt Ion:173 Resp: 22952

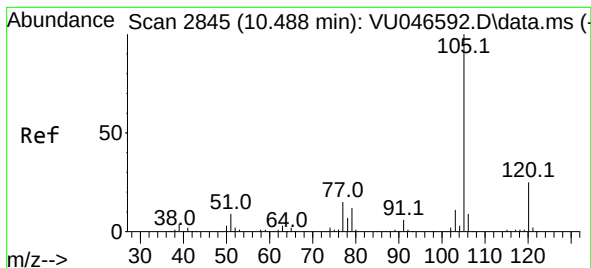
Ion Ratio Lower Upper

173 100

175 47.6 37.8 56.6

254 9.8 7.3 10.9





#60

Isopropylbenzene

Concen: 5.004 ug/L

RT: 10.484 min Scan# 2845

Delta R.T. -0.003 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005146

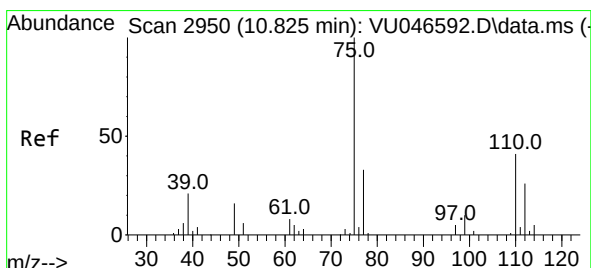
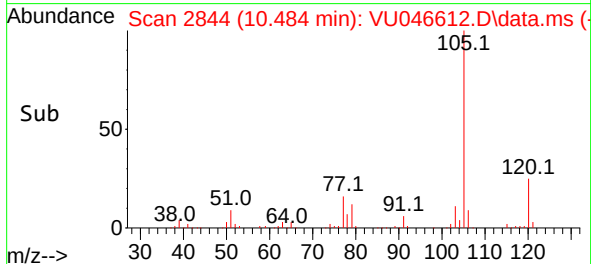
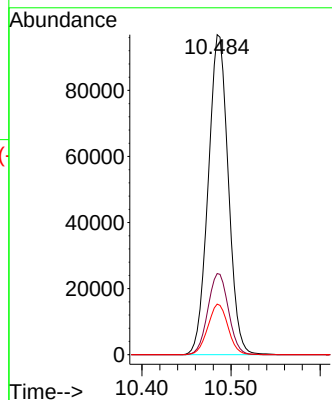
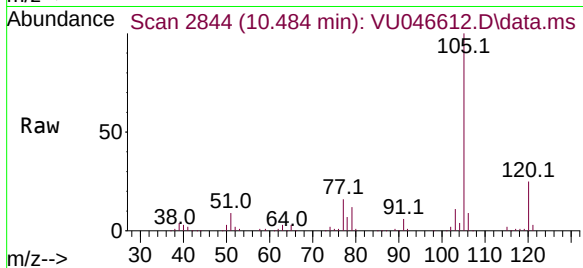
Tgt Ion:105 Resp: 151384

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

77 15.9 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.960 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

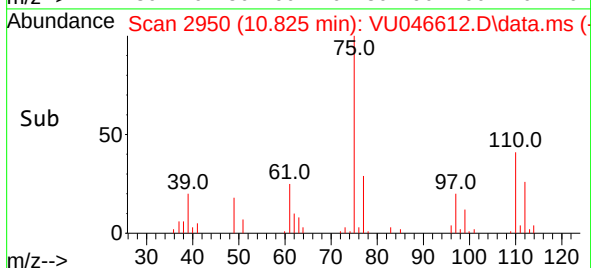
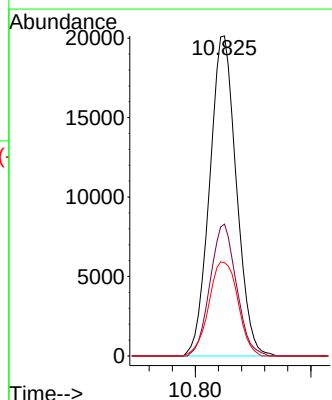
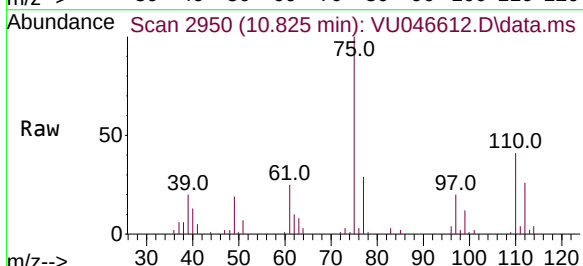
Tgt Ion: 75 Resp: 32312

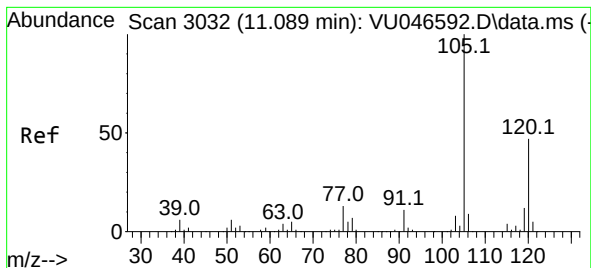
Ion Ratio Lower Upper

75 100

110 40.6 29.9 44.9

77 32.0 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.987 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

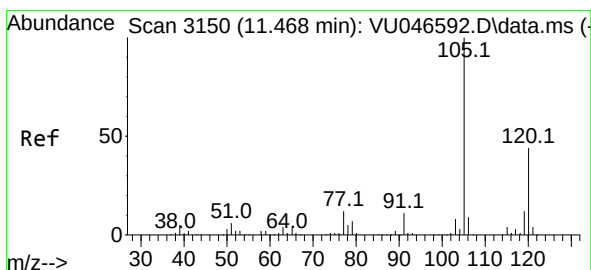
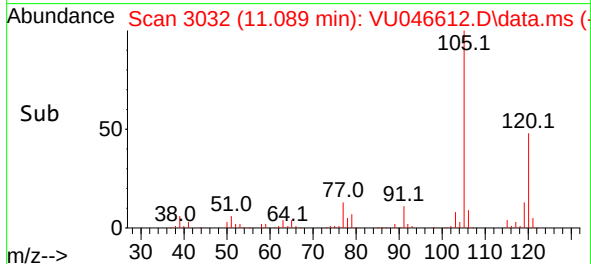
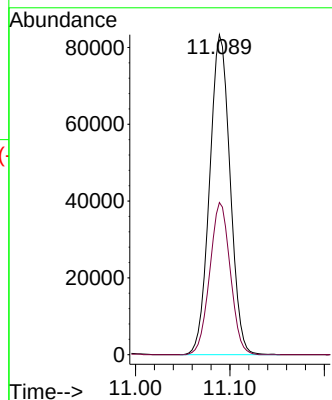
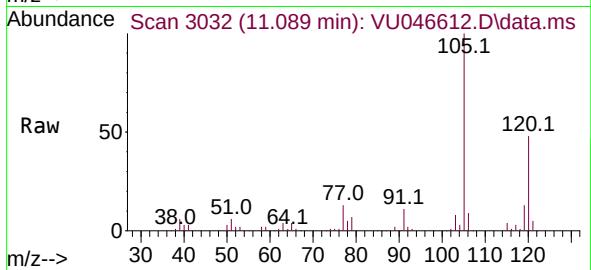
VSTD005146

Tgt Ion:105 Resp: 125479

Ion Ratio Lower Upper

105 100

120 47.6 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 5.216 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU046612.D

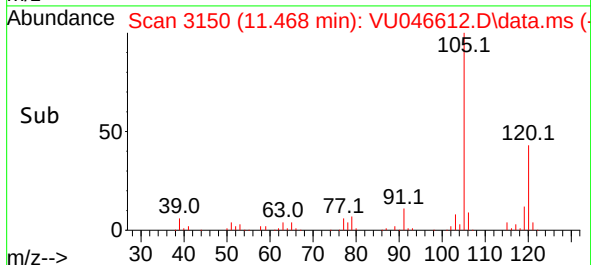
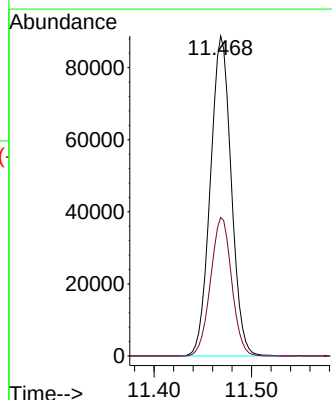
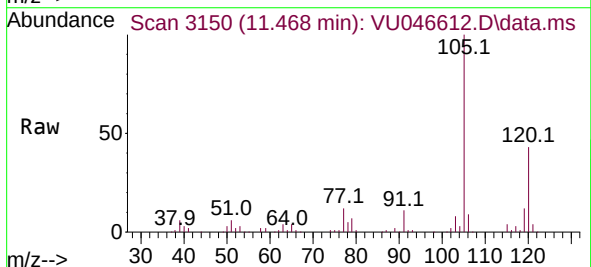
Acq: 27 Dec 2021 20:39

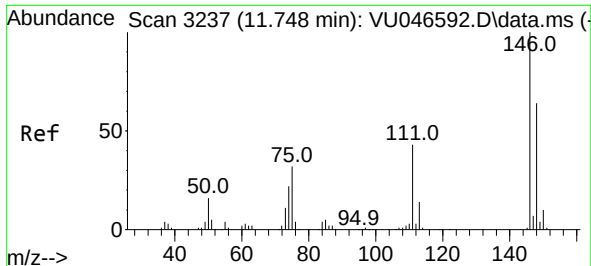
Tgt Ion:105 Resp: 132150

Ion Ratio Lower Upper

105 100

120 43.6 35.8 53.8

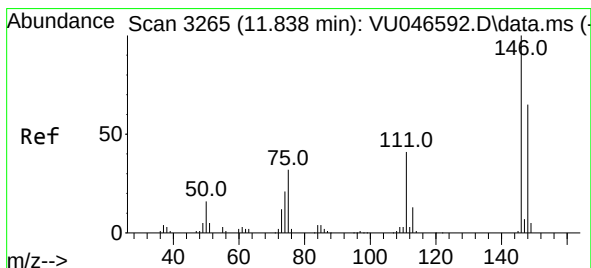
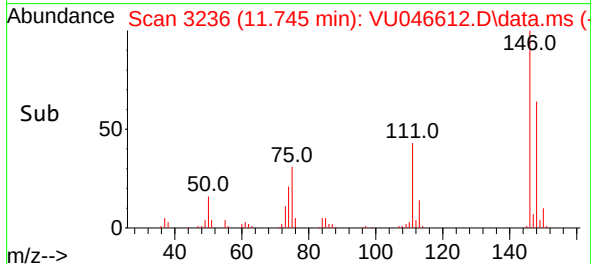
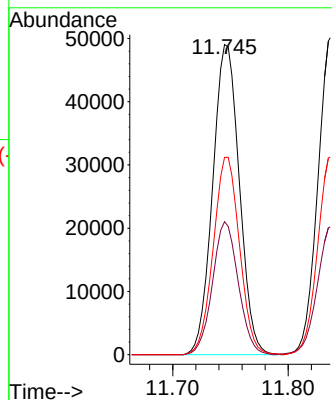
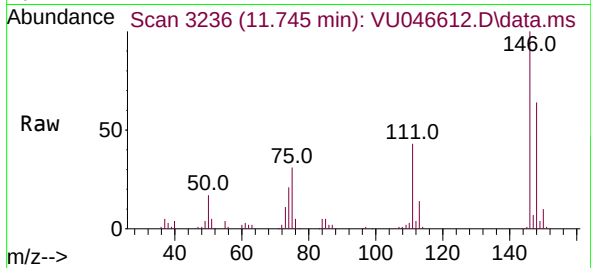




#64
1,3-Dichlorobenzene
Concen: 5.346 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

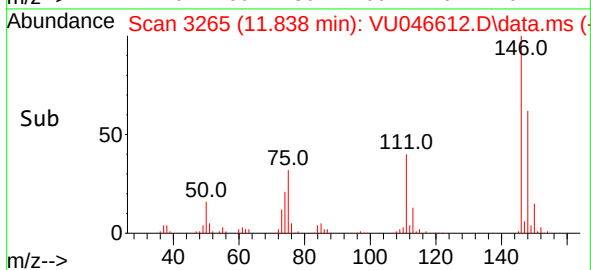
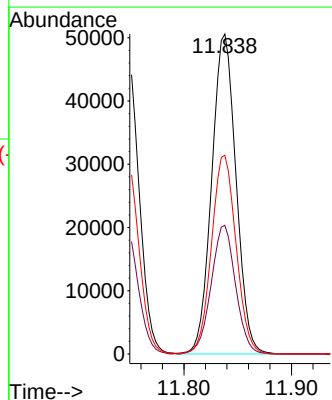
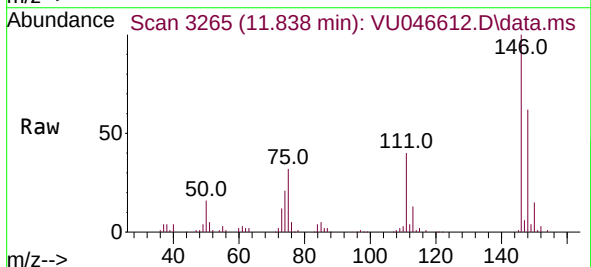
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

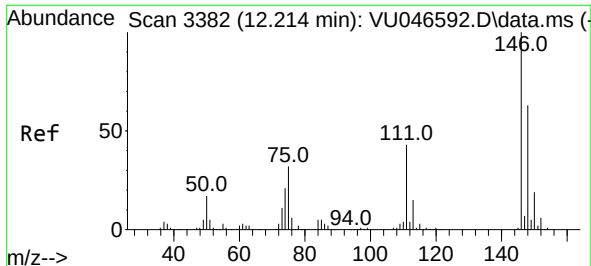
Tgt Ion:146 Resp: 78621
Ion Ratio Lower Upper
146 100
111 42.9 29.9 55.5
148 63.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.280 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion:146 Resp: 79482
Ion Ratio Lower Upper
146 100
111 40.2 28.7 53.3
148 62.1 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 5.294 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005146

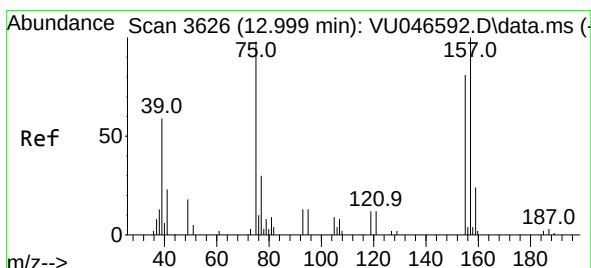
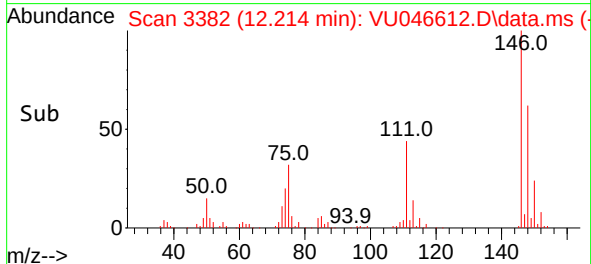
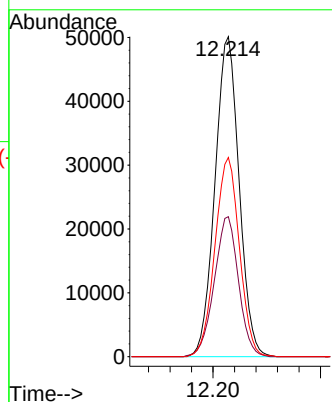
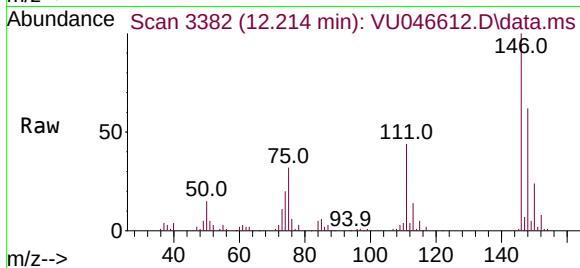
Tgt Ion:146 Resp: 78080

Ion Ratio Lower Upper

146 100

111 43.7 35.4 53.0

148 62.2 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.961 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046612.D

Acq: 27 Dec 2021 20:39

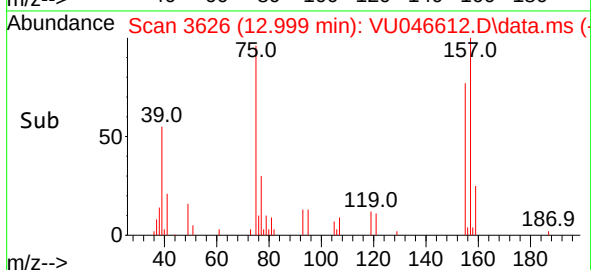
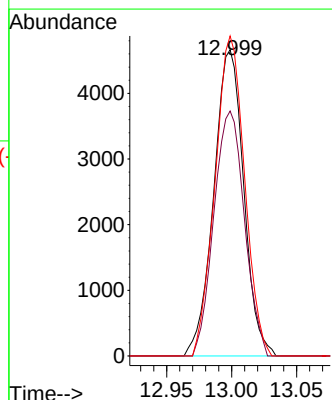
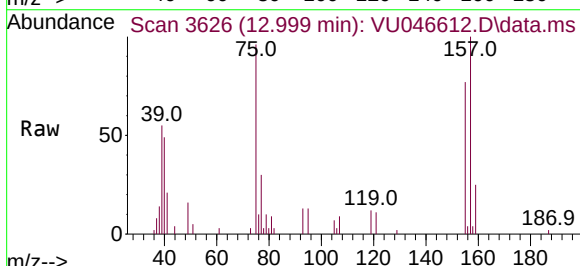
Tgt Ion: 75 Resp: 7481

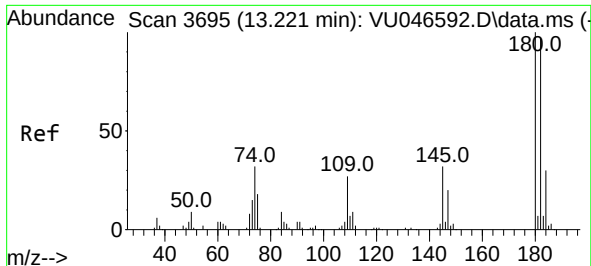
Ion Ratio Lower Upper

75 100

155 80.0 59.2 88.8

157 104.5 76.5 114.7

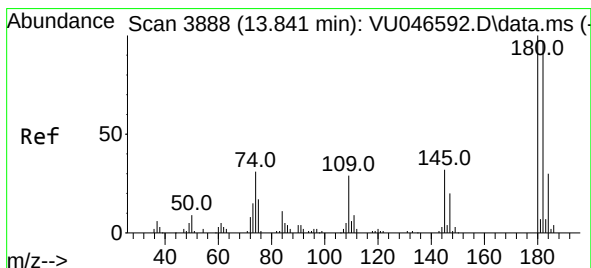
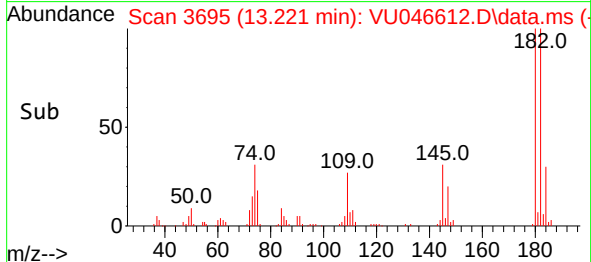
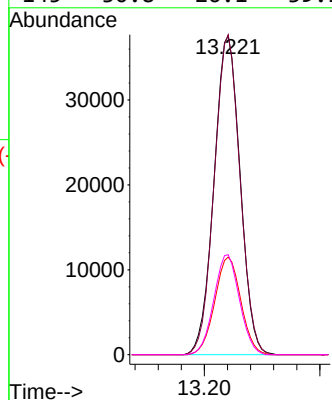
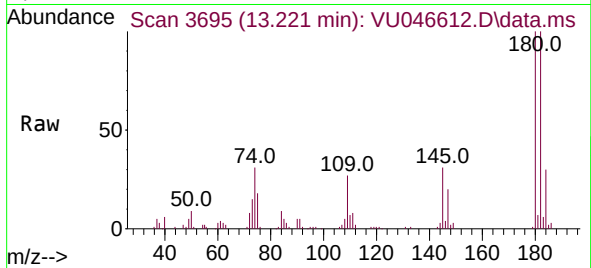




#69
 1,3,5-Trichlorobenzene
 Concen: 5.287 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

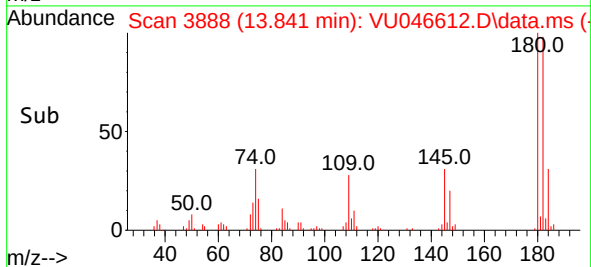
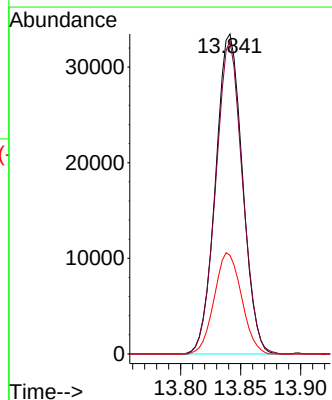
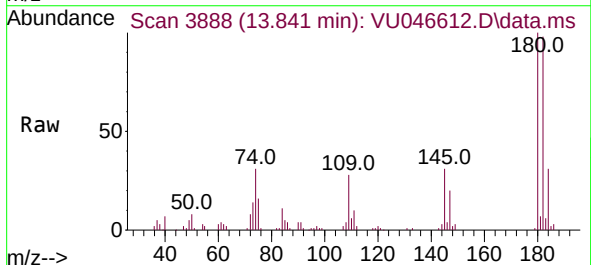
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

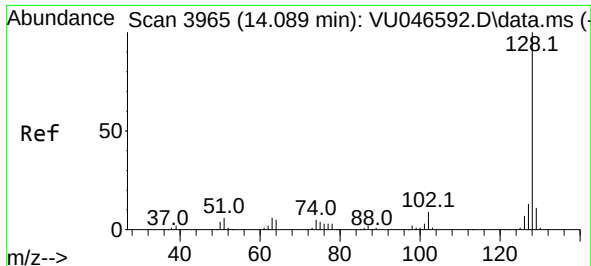
Tgt Ion:180	Resp:	58845
Ion Ratio	Lower	Upper
180	100	
182	98.9	76.1 114.1
184	30.6	25.0 37.4
145	30.8	26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.530 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046612.D
 Acq: 27 Dec 2021 20:39

Tgt Ion:180	Resp:	52127
Ion Ratio	Lower	Upper
180	100	
182	97.2	76.4 114.6
145	32.1	25.6 38.4

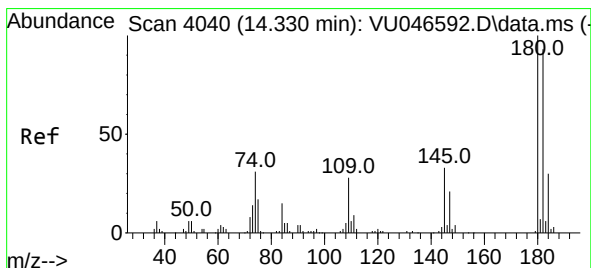
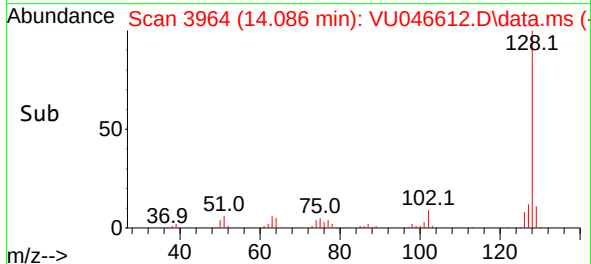
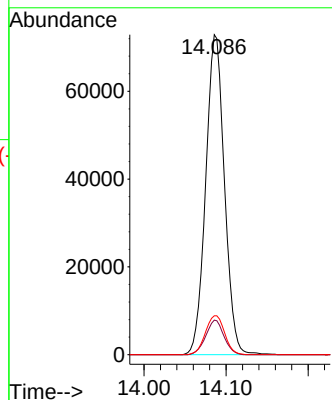
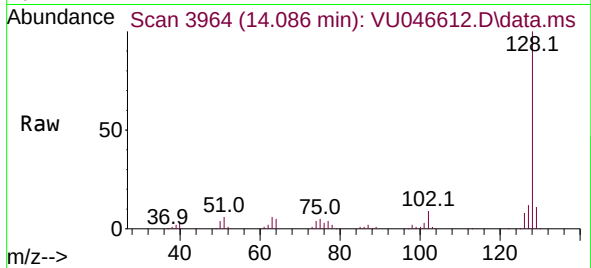




#71
Naphthalene
Concen: 5.516 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

Tgt Ion:128 Resp: 115475
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.5 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.639 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU046612.D
Acq: 27 Dec 2021 20:39

Tgt Ion:180 Resp: 52624
Ion Ratio Lower Upper
180 100
182 96.0 76.2 114.4
145 34.5 28.4 42.6

