

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072222\
 Data File : VU049842.D
 Acq On : 22 Jul 2022 10:11
 Operator : SY/MD
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5038

Quant Time: Jul 23 00:38:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 23 00:37:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	94248	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	91526	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	44323	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	4036	0.499	ug/L	0.00
7) Chloroethane-d5	1.912	69	3389	0.597	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	1947	0.586	ug/L	0.00
20) 2-Butanone-d5	4.655	46	12161	5.238	ug/L	0.02
24) Chloroform-d	5.070	84	8625	0.632	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	5475	0.727	ug/L	0.00
32) Benzene-d6	5.729	84	15835	0.563	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.693	67	5222	0.543	ug/L	0.00
41) Toluene-d8	7.899	98	13072	0.519	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	1862	0.455	ug/L	0.00
46) 2-Hexanone-d5	8.639	63	6264	3.780	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	4610	0.590	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	4830	0.568	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	4356	0.502	ug/L	98
3) Chloromethane	1.517	50	6818	0.723	ug/L	97
5) Vinyl chloride	1.600	62	4777	0.567	ug/L	95
6) Bromomethane	1.858	94	2773	0.605	ug/L	89
8) Chloroethane	1.932	64	3073	0.633	ug/L	95
9) Trichlorofluoromethane	2.137	101	5630	0.556	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	2655	0.460	ug/L	97
12) 1,1-Dichloroethene	2.578	96	2658	0.480	ug/L	91
13) Acetone	2.661	43	7926	6.572	ug/L	73
14) Carbon disulfide	2.790	76	9075	0.505	ug/L #	92
15) Methyl Acetate	2.967	43	2183	0.714	ug/L #	72
16) Methylene chloride	3.041	84	10738	1.366	ug/L	96
17) Methyl tert-butyl Ether	3.372	73	9223	0.554	ug/L	97
18) trans-1,2-Dichloroethene	3.349	96	3446	0.560	ug/L	81
19) 1,1-Dichloroethane	3.870	63	7218	0.585	ug/L	97
21) 2-Butanone	4.735	43	12037	5.369	ug/L	90
22) cis-1,2-Dichloroethene	4.671	96	3672	0.530	ug/L	95
23) Bromochloromethane	4.980	128	1668	0.560	ug/L	88
25) Chloroform	5.089	83	8271	0.659	ug/L	97
27) 1,2-Dichloroethane	5.796	62	5680	0.681	ug/L #	79
29) 1,1,1-Trichloroethane	5.314	97	5963	0.522	ug/L	97
30) Cyclohexane	5.391	56	3895	0.316	ug/L	90
31) Carbon tetrachloride	5.526	117	4637	0.484	ug/L	99
33) Benzene	5.774	78	15469	0.546	ug/L	100
34) Trichloroethene	6.539	95	3564	0.496	ug/L	94
35) Methylcyclohexane	6.758	83	4072	0.352	ug/L	98
37) 1,2-Dichloropropane	6.793	63	4536	0.579	ug/L #	89
38) Bromodichloromethane	7.105	83	5713	0.596	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	5335	0.462	ug/L #	81
40) 4-Methyl-2-pentanone	7.796	43	27939	4.819	ug/L	95
42) Toluene	7.970	91	14839	0.495	ug/L	93
44) trans-1,3-Dichloropropene	8.211	75	4693	0.469	ug/L	97

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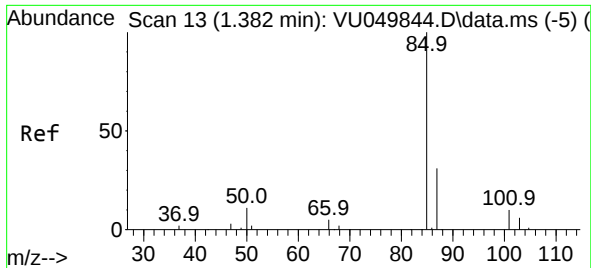
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5038

Quant Time: Jul 23 00:38:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.404	97	3182	0.577	ug/L	89
47) Tetrachloroethene	8.555	164	2385	0.476	ug/L	87
48) 2-Hexanone	8.690	43	21051	5.008	ug/L	94
49) Dibromochloromethane	8.809	129	3453	0.552	ug/L	98
50) 1,2-Dibromoethane	8.922	107	2721	0.540	ug/L #	97
51) Chlorobenzene	9.449	112	10339	0.568	ug/L	97
52) Ethylbenzene	9.571	91	14037	0.436	ug/L	97
53) m,p-Xylene	9.693	106	5309	0.447	ug/L	95
54) o-Xylene	10.098	106	5094	0.432	ug/L	92
55) Styrene	10.115	104	7976	0.403	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.783	83	3858	0.532	ug/L	99
59) Bromoform	10.295	173	1747	0.515	ug/L #	36
60) Isopropylbenzene	10.484	105	12223	0.406	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	2934	0.566	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	10125	0.385	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	9389	0.364	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	6814	0.514	ug/L	95
65) 1,4-Dichlorobenzene	11.838	146	6817	0.525	ug/L	87
67) 1,2-Dichlorobenzene	12.214	146	7194	0.573	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.002	75	612	0.453	ug/L	99
69) 1,3,5-Trichlorobenzene	13.224	180	5265	0.541	ug/L	93
70) 1,2,4-trichlorobenzene	13.841	180	4396	0.564	ug/L	93
71) Naphthalene	14.089	128	8508	0.554	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.327	180	4235	0.572	ug/L	98

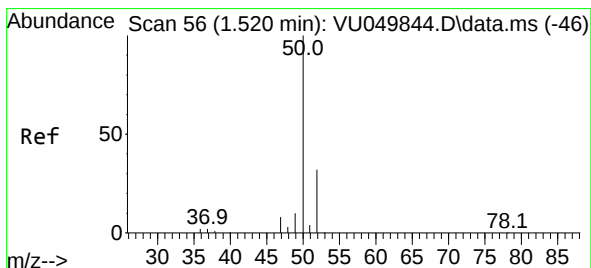
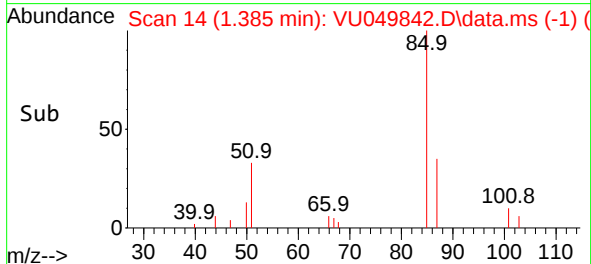
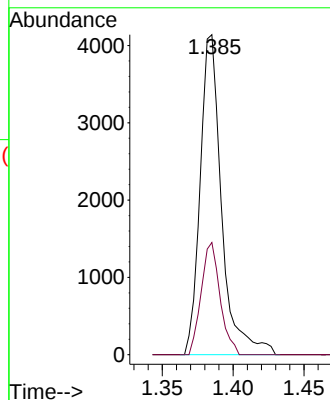
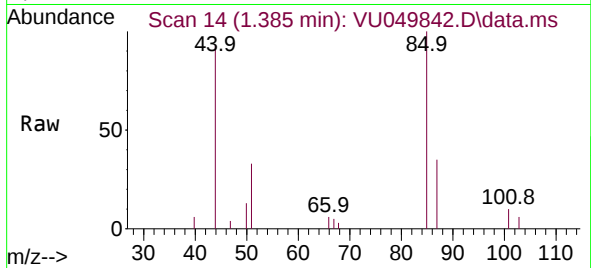
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.502 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

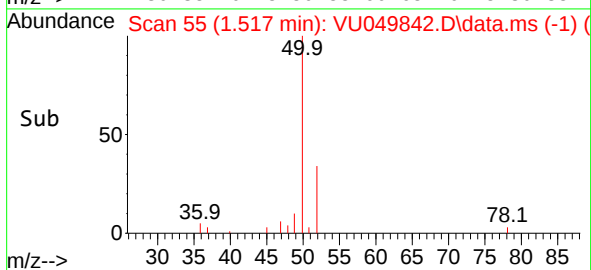
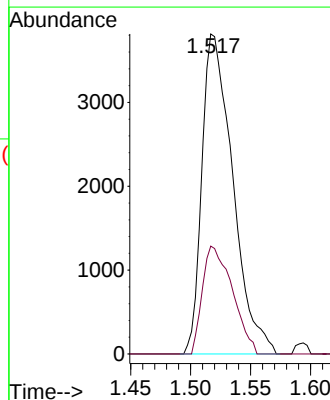
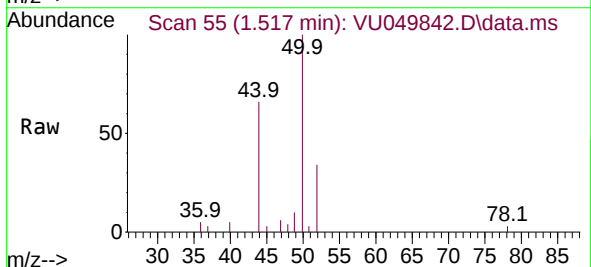
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

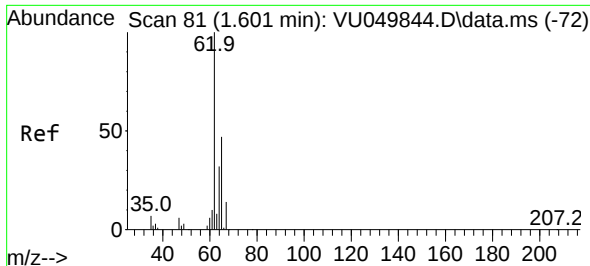
Tgt Ion: 85 Resp: 4356
Ion Ratio Lower Upper
85 100
87 30.8 25.4 38.2



#3
Chloromethane
Concen: 0.723 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion: 50 Resp: 6818
Ion Ratio Lower Upper
50 100
52 33.7 22.5 41.7

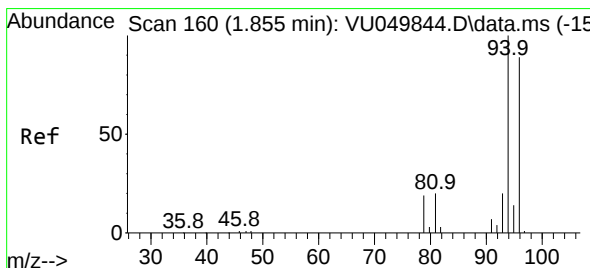
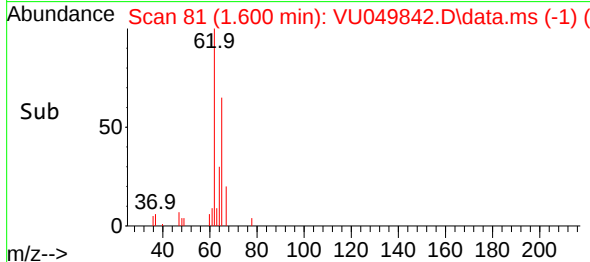
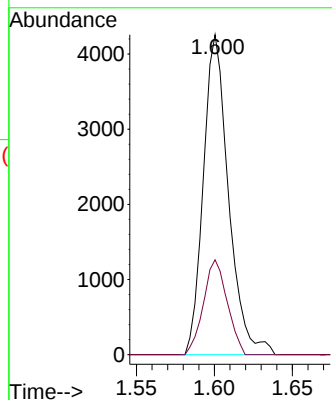
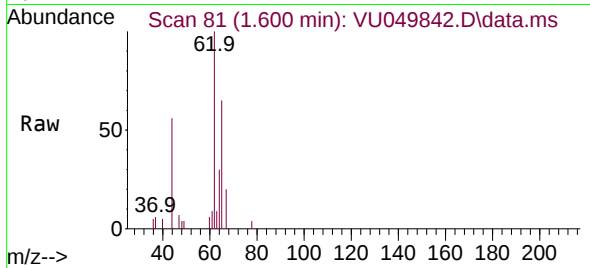




#5
 Vinyl chloride
 Concen: 0.567 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049842.D
 Acq: 22 Jul 2022 10:11

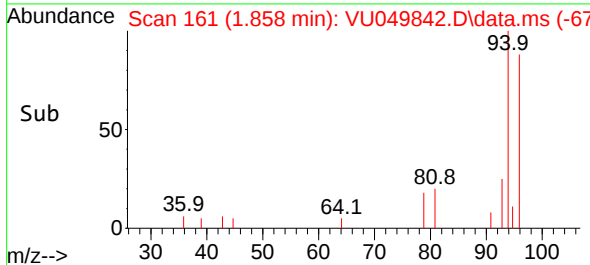
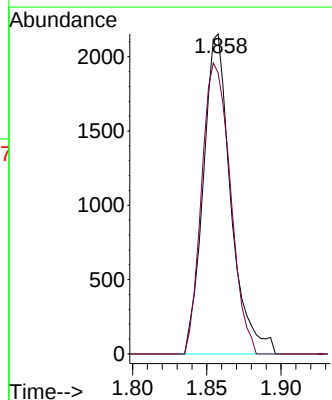
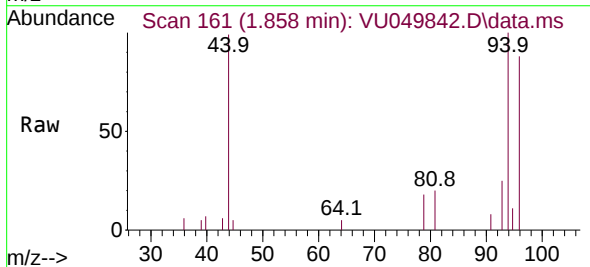
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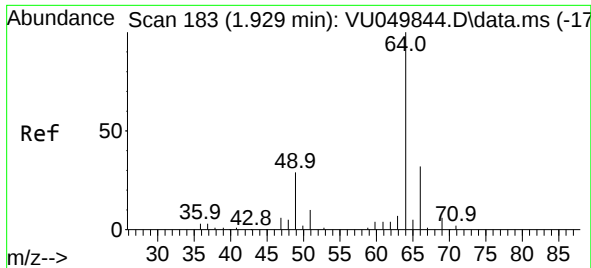
Tgt Ion: 62 Resp: 4777
 Ion Ratio Lower Upper
 62 100
 64 29.6 22.7 42.3



#6
 Bromomethane
 Concen: 0.605 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU049842.D
 Acq: 22 Jul 2022 10:11

Tgt Ion: 94 Resp: 2773
 Ion Ratio Lower Upper
 94 100
 96 79.1 62.6 116.3

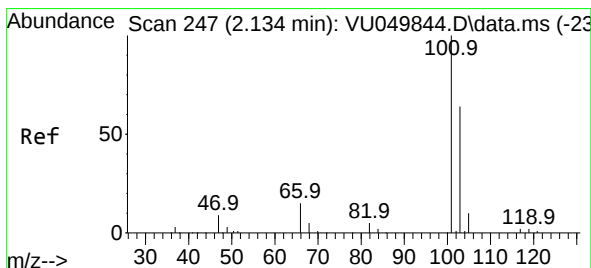
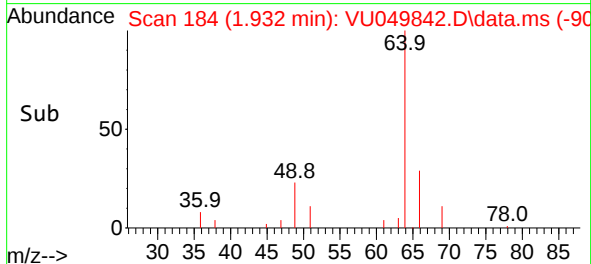
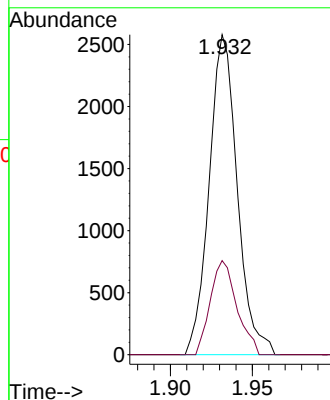
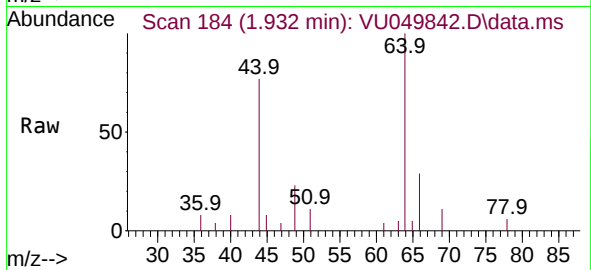




#8
Chloroethane
Concen: 0.633 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

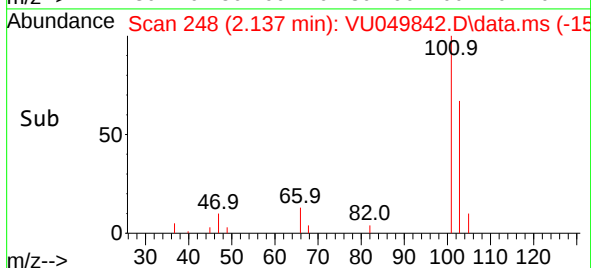
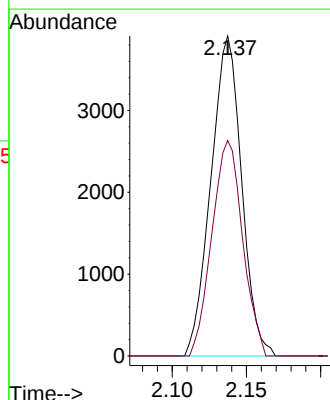
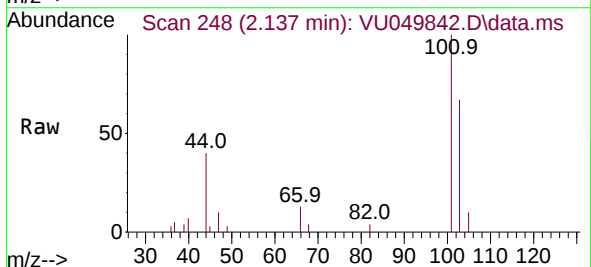
Instrument :
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VSTD0.5038

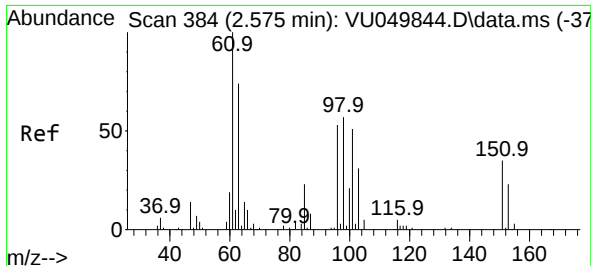
Tgt Ion: 64 Resp: 3073
Ion Ratio Lower Upper
64 100
66 29.4 22.7 42.3



#9
Trichlorofluoromethane
Concen: 0.556 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion:101 Resp: 5630
Ion Ratio Lower Upper
101 100
103 67.3 50.8 76.2

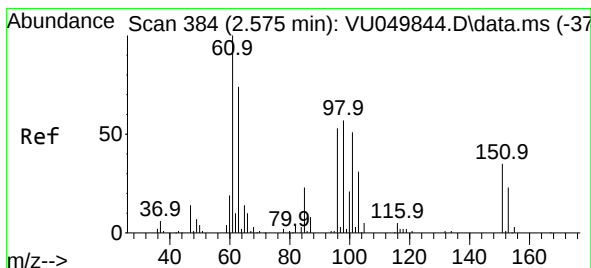
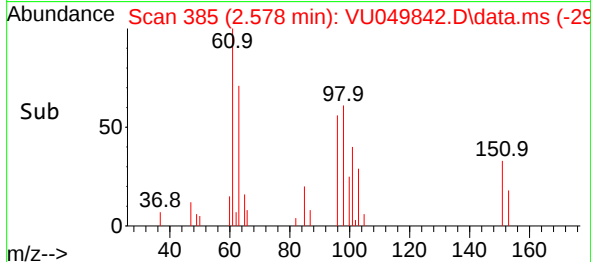
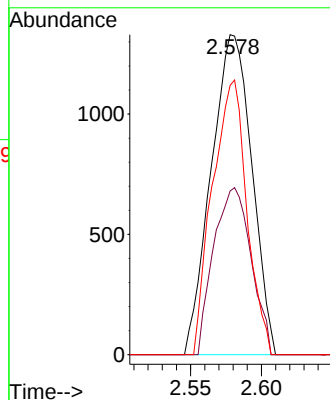
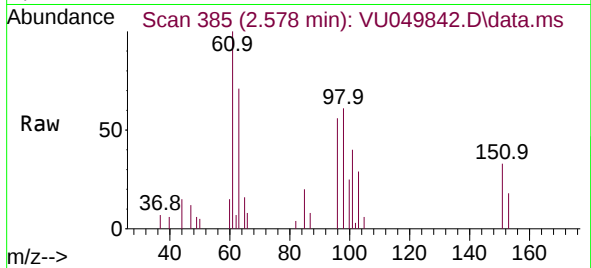




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.460 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

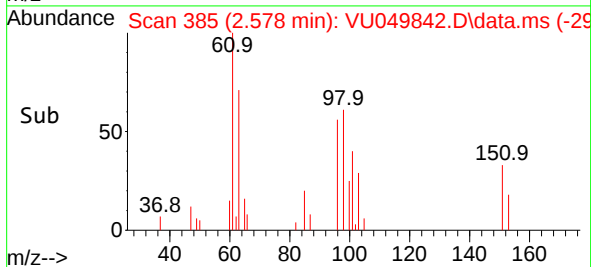
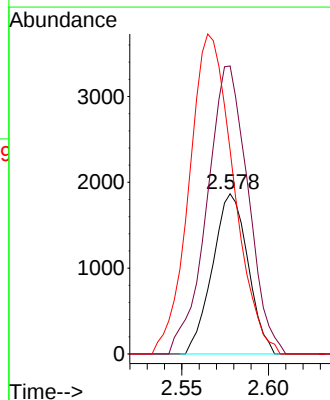
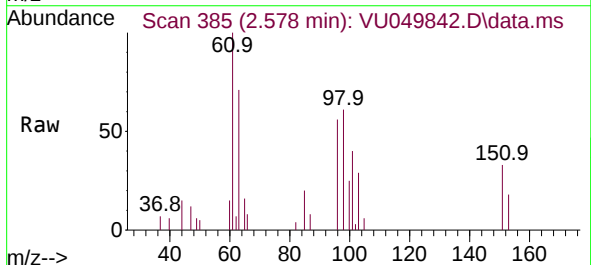
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ClientSampleId :
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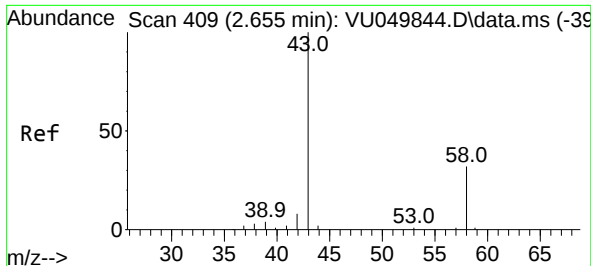
Tgt Ion:	101	Resp:	2655
Ion	Ratio	Lower	Upper
101	100		
85	48.0	37.2	55.8
151	72.5	56.0	84.0



#12
1,1-Dichloroethene
Concen: 0.480 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion:	96	Resp:	2658
Ion	Ratio	Lower	Upper
96	100		
61	179.8	131.6	244.4
63	127.3	100.0	185.6





#13

Acetone

Concen: 6.572 ug/L

RT: 2.661 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

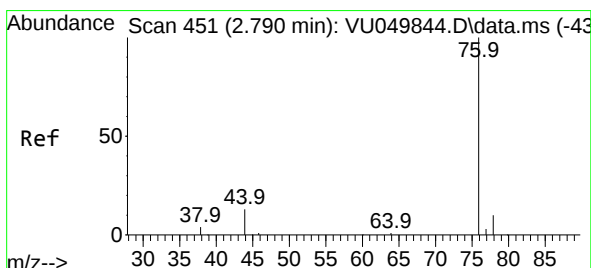
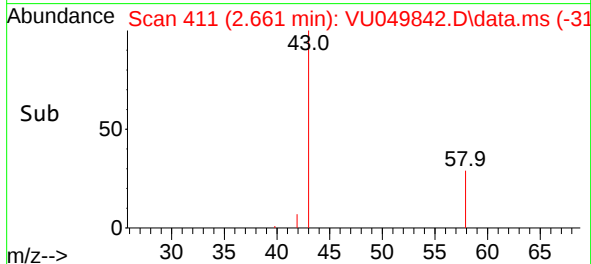
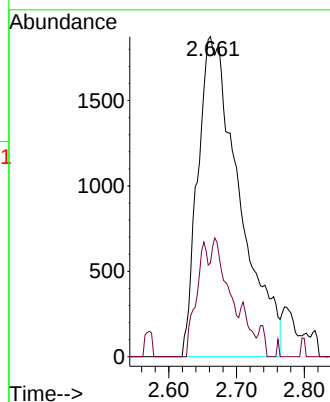
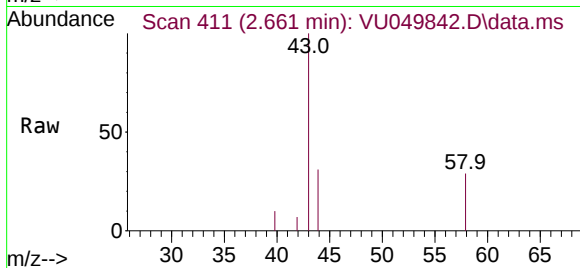
VSTD0.5038

Tgt Ion: 43 Resp: 7926

Ion Ratio Lower Upper

43 100

58 15.7 0.0 61.0



#14

Carbon disulfide

Concen: 0.505 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU049842.D

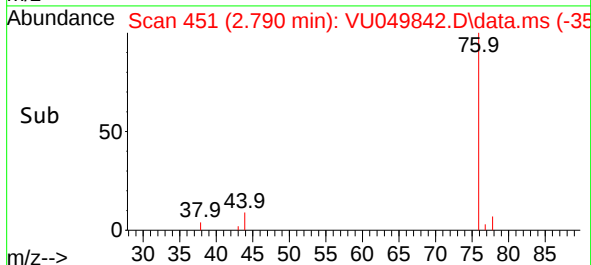
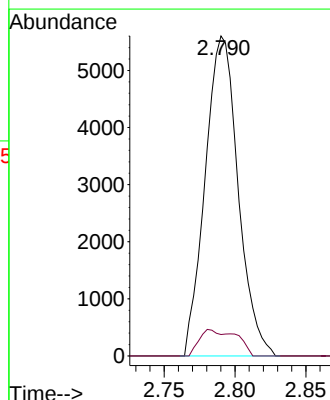
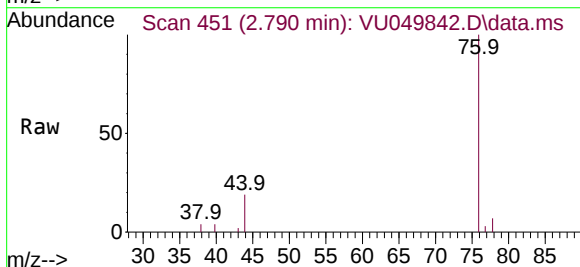
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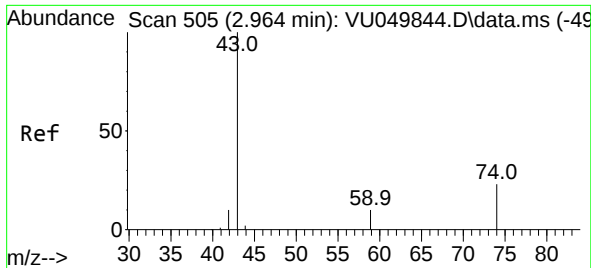
Tgt Ion: 76 Resp: 9075

Ion Ratio Lower Upper

76 100

78 6.7 7.8 11.6#

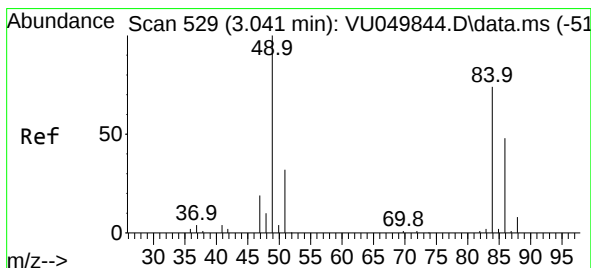
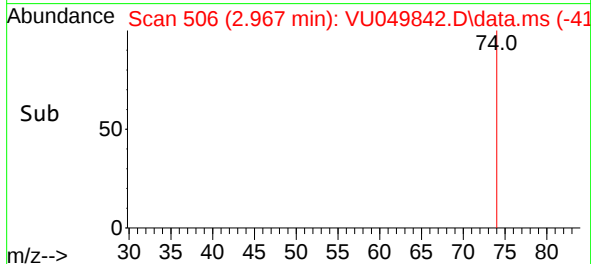
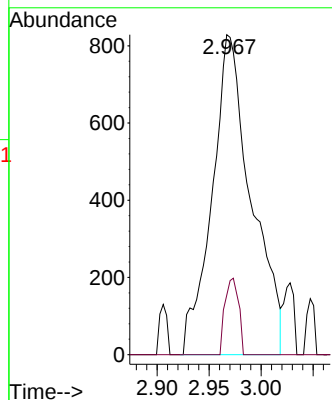
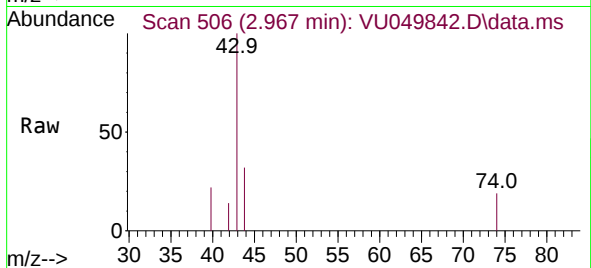




#15
Methyl Acetate
Concen: 0.714 ug/L
RT: 2.967 min Scan# 505
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

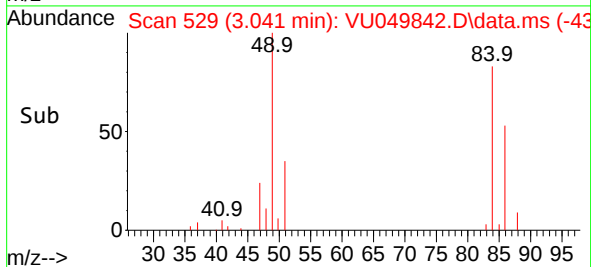
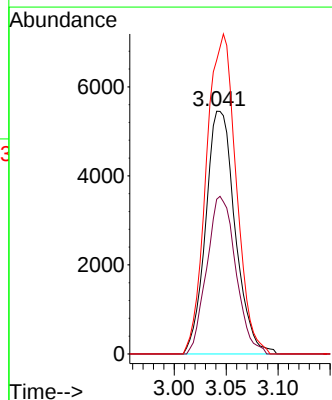
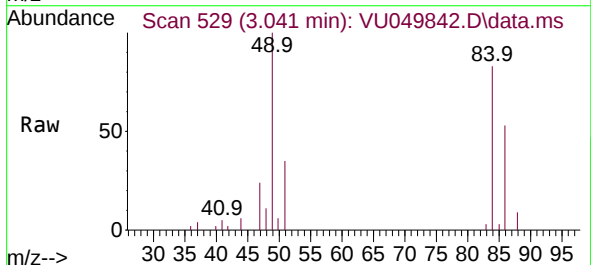
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MSVOA_U
ClientSampleId :
VSTD0.5038

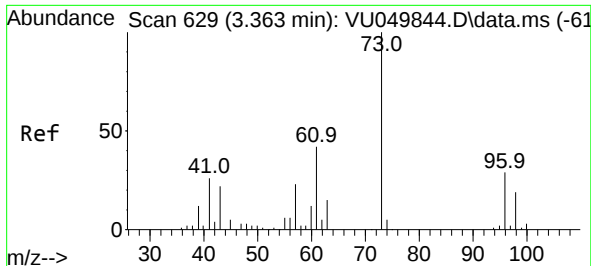
Tgt Ion: 43 Resp: 2183
Ion Ratio Lower Upper
43 100
74 8.3 17.1 25.7#



#16
Methylene chloride
Concen: 1.366 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion: 84 Resp: 10738
Ion Ratio Lower Upper
84 100
86 63.7 45.5 84.5
49 128.1 94.1 174.8





#17

Methyl tert-butyl Ether

Concen: 0.554 ug/L

RT: 3.372 min Scan# 61

Delta R.T. 0.009 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5038

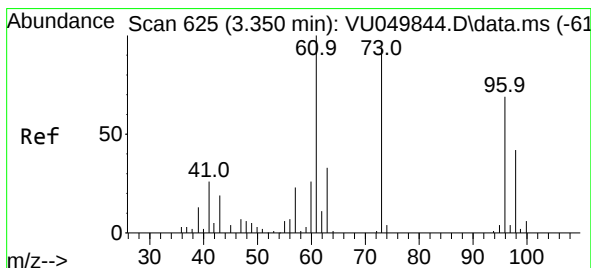
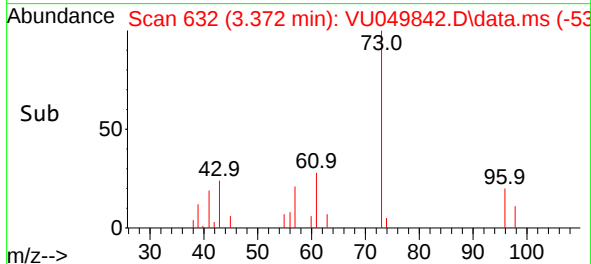
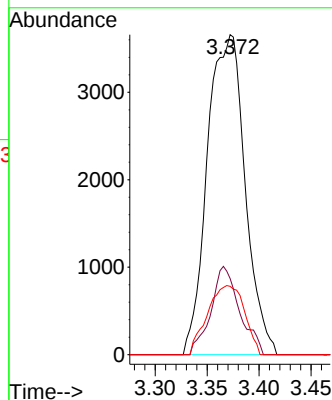
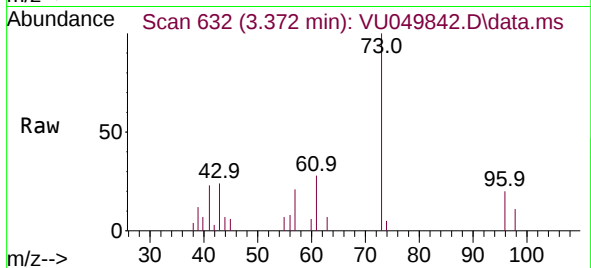
Tgt Ion: 73 Resp: 9223

Ion Ratio Lower Upper

73 100

43 21.1 17.4 26.2

57 21.2 18.7 28.1



#18

trans-1,2-Dichloroethene

Concen: 0.560 ug/L

RT: 3.349 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

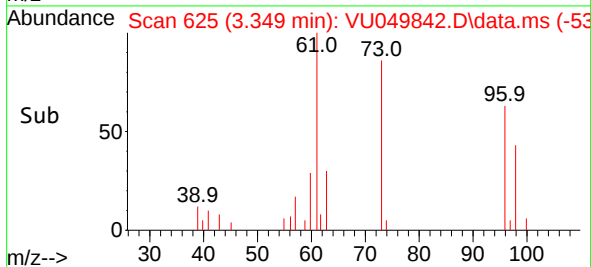
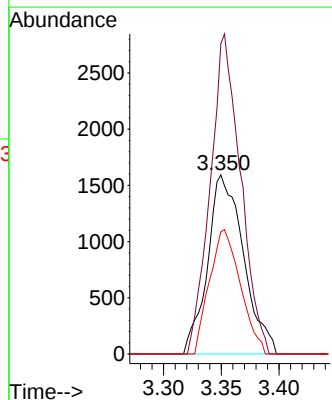
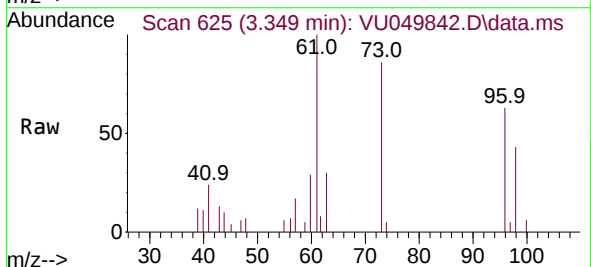
Tgt Ion: 96 Resp: 3446

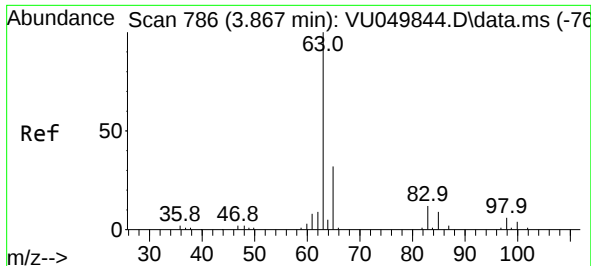
Ion Ratio Lower Upper

96 100

61 173.3 101.5 188.5

98 68.3 42.5 78.9





#19

1,1-Dichloroethane

Concen: 0.585 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5038

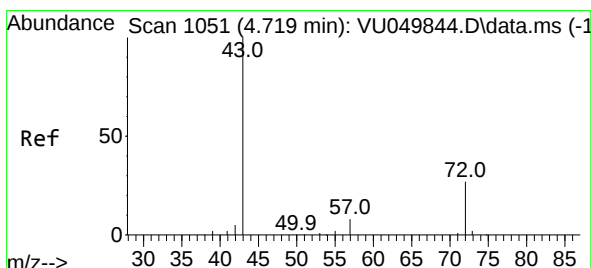
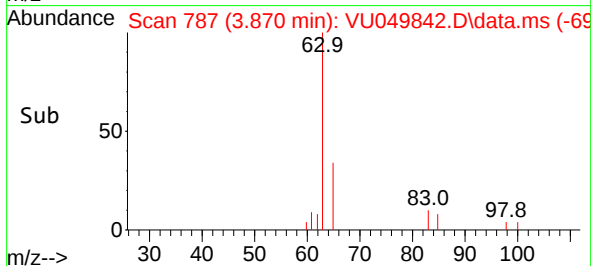
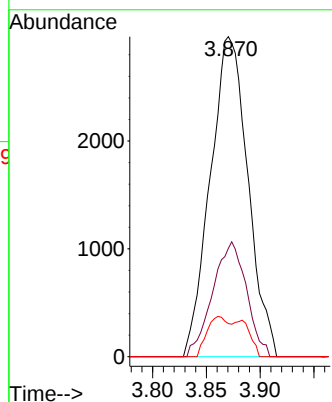
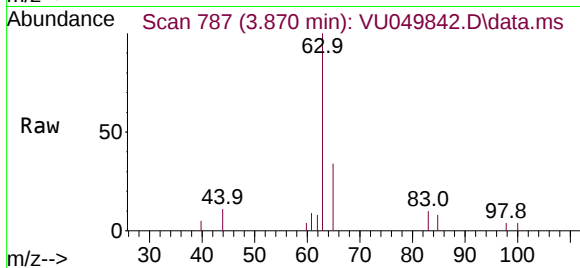
Tgt Ion: 63 Resp: 7218

Ion Ratio Lower Upper

63 100

65 33.9 22.5 41.9

83 10.3 8.3 15.5



#21

2-Butanone

Concen: 5.369 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. 0.016 min

Lab File: VU049842.D

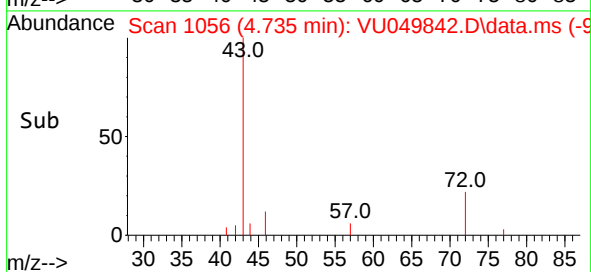
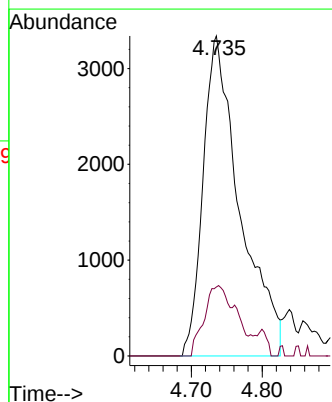
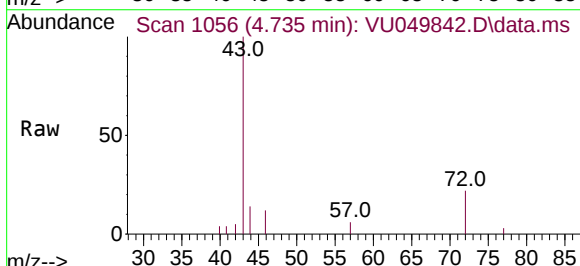
Acq: 22 Jul 2022 10:11

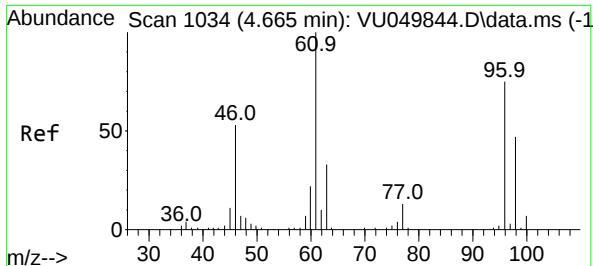
Tgt Ion: 43 Resp: 12037

Ion Ratio Lower Upper

43 100

72 18.8 11.9 35.5





#22

cis-1,2-Dichloroethene

Concen: 0.530 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5038

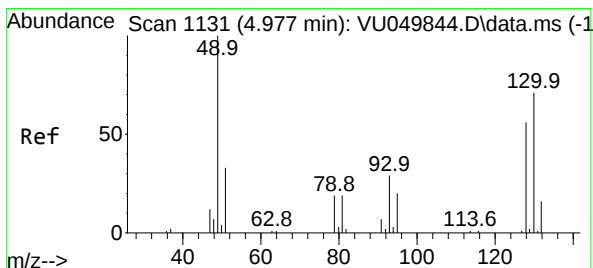
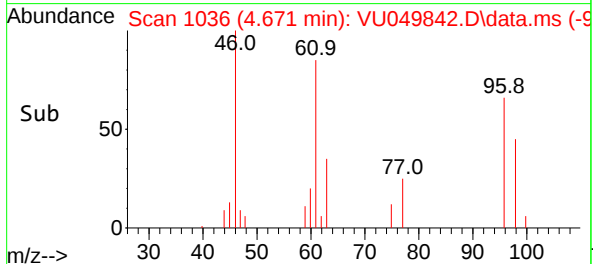
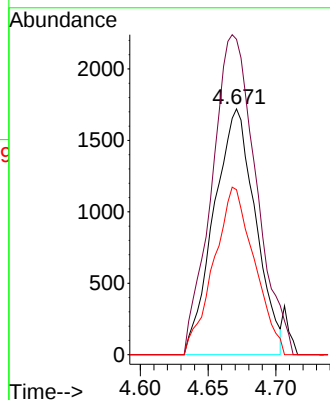
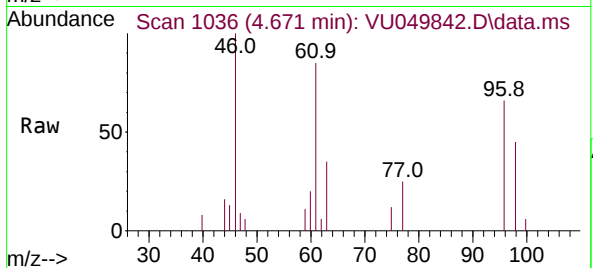
Tgt Ion: 96 Resp: 3672

Ion Ratio Lower Upper

96 100

61 128.4 93.9 174.3

98 67.2 43.9 81.5



#23

Bromochloromethane

Concen: 0.560 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.003 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Tgt Ion:128 Resp: 1668

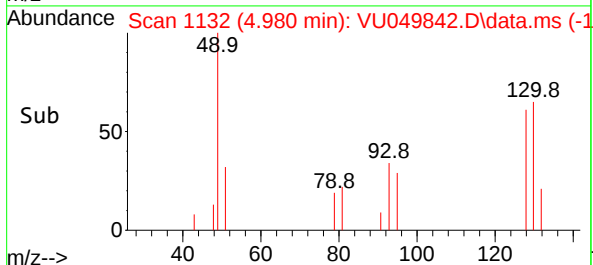
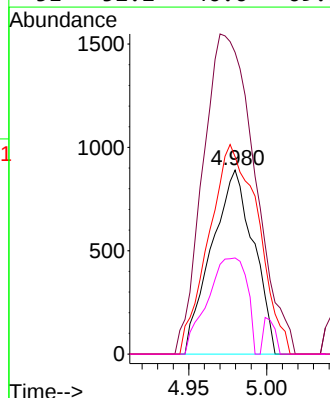
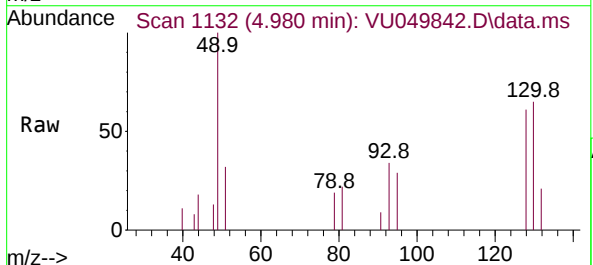
Ion Ratio Lower Upper

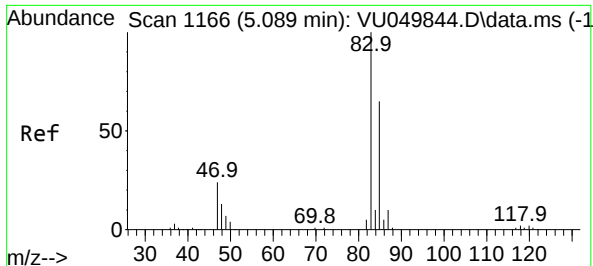
128 100

49 164.0 124.9 232.1

130 107.3 88.5 164.3

51 52.2 46.6 69.8





#25

Chloroform

Concen: 0.659 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

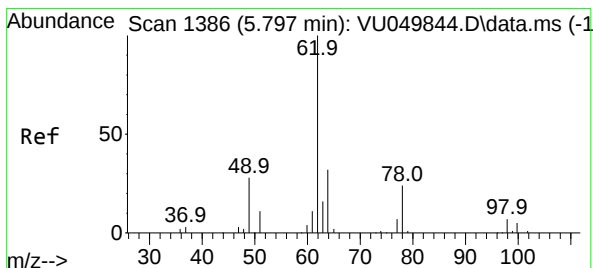
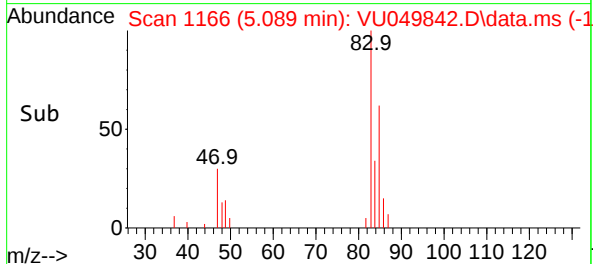
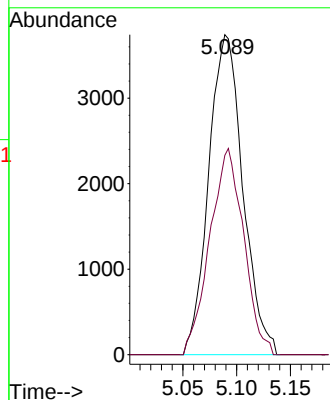
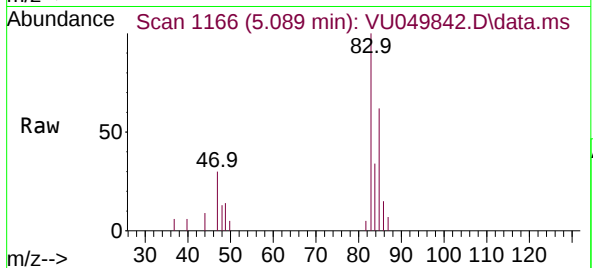
VSTD0.5038

Tgt Ion: 83 Resp: 8271

Ion Ratio Lower Upper

83 100

85 62.3 45.5 84.5



#27

1,2-Dichloroethane

Concen: 0.681 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU049842.D

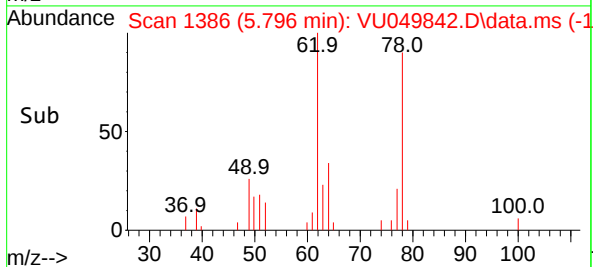
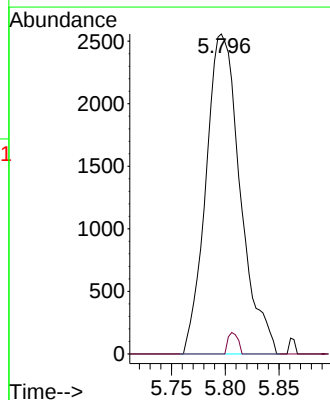
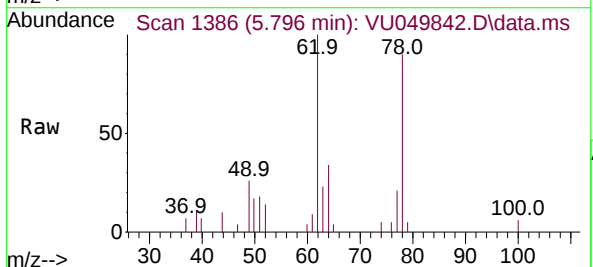
Acq: 22 Jul 2022 10:11

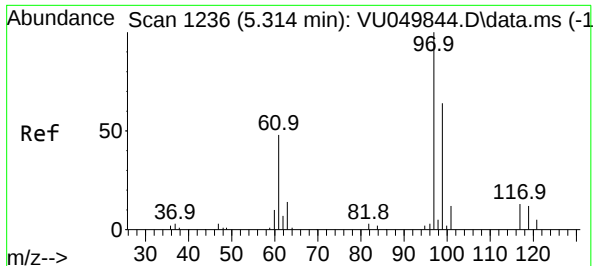
Tgt Ion: 62 Resp: 5680

Ion Ratio Lower Upper

62 100

98 0.0 5.9 8.9#





#29

1,1,1-Trichloroethane

Concen: 0.522 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5038

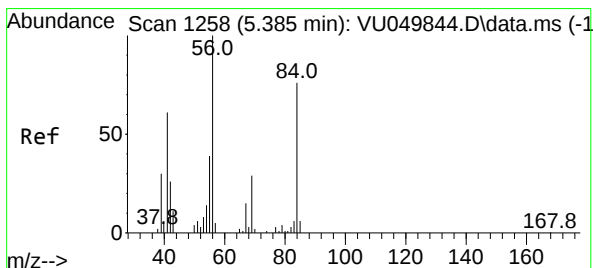
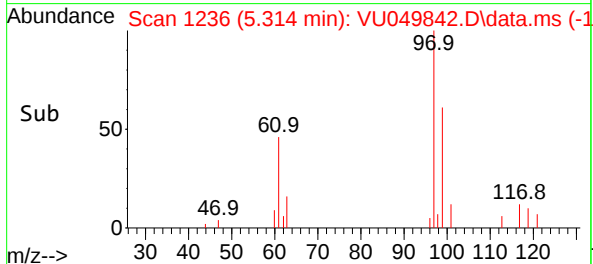
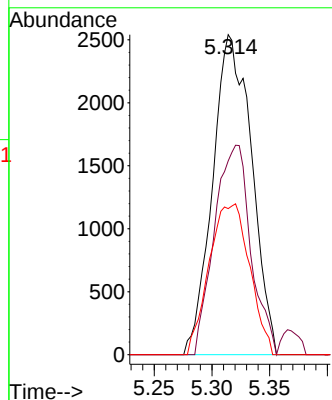
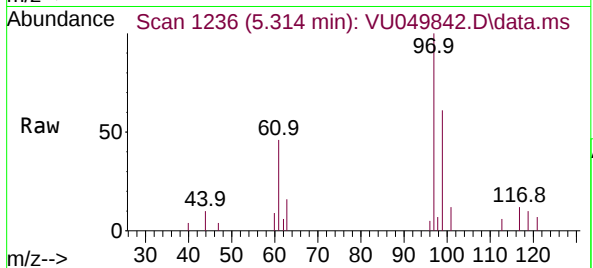
Tgt Ion: 97 Resp: 5963

Ion Ratio Lower Upper

97 100

99 61.3 51.8 77.8

61 49.0 38.3 57.5



#30

Cyclohexane

Concen: 0.316 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.006 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

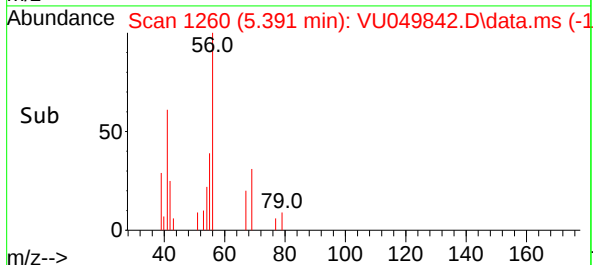
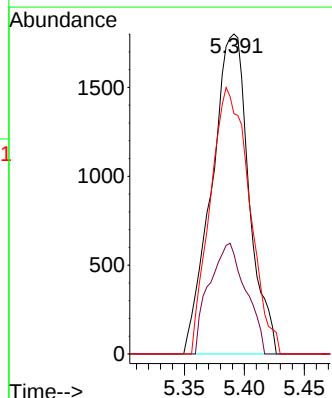
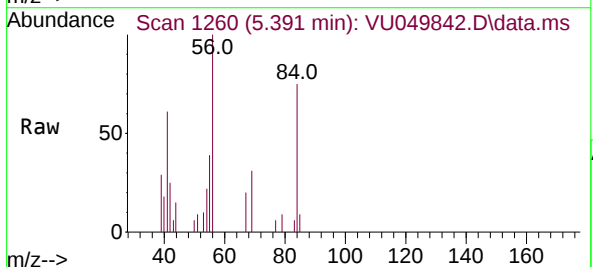
Tgt Ion: 56 Resp: 3895

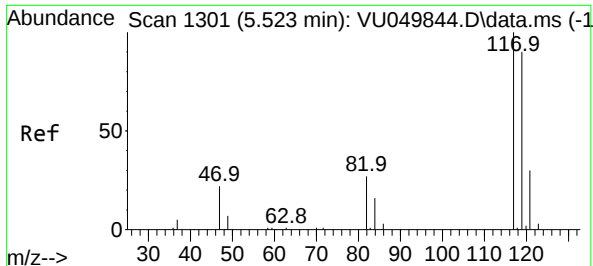
Ion Ratio Lower Upper

56 100

69 33.8 22.8 34.2

84 87.2 63.0 94.6

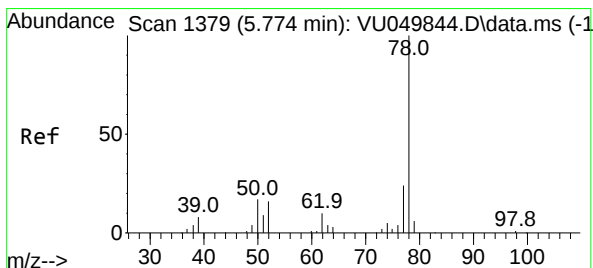
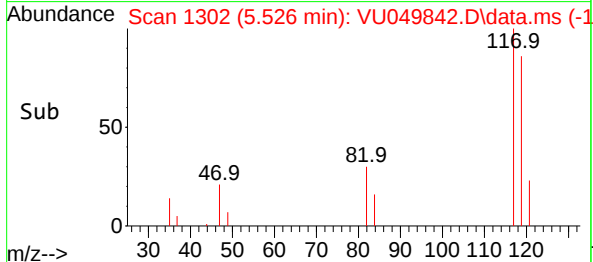
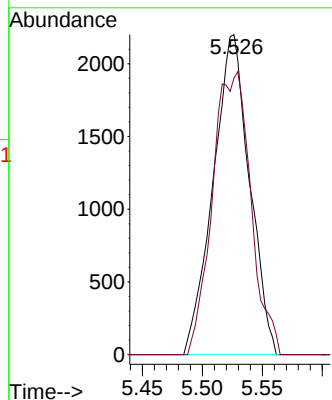
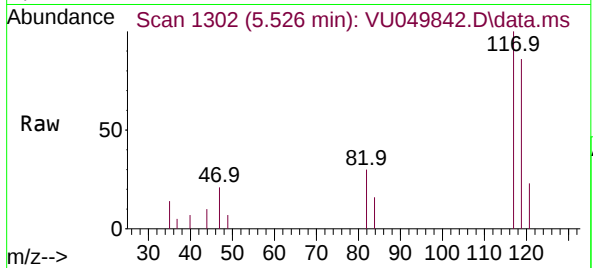




#31
Carbon tetrachloride
Concen: 0.484 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

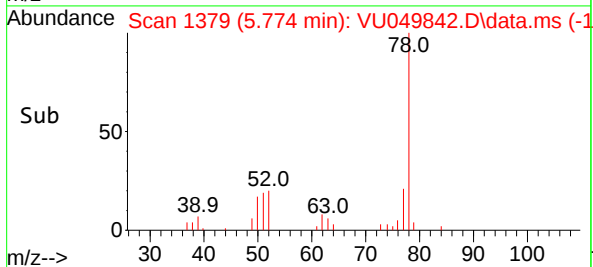
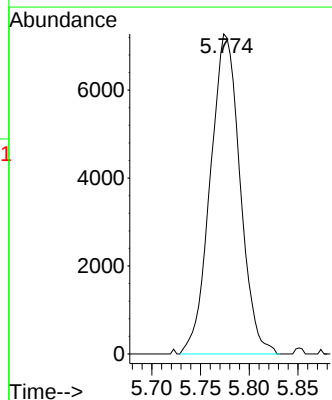
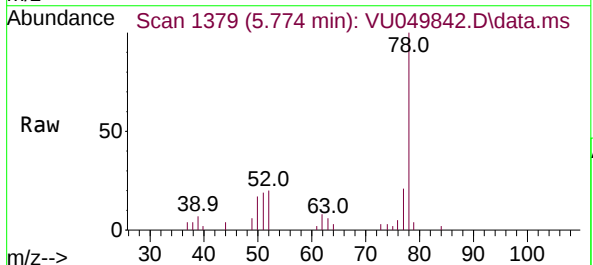
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

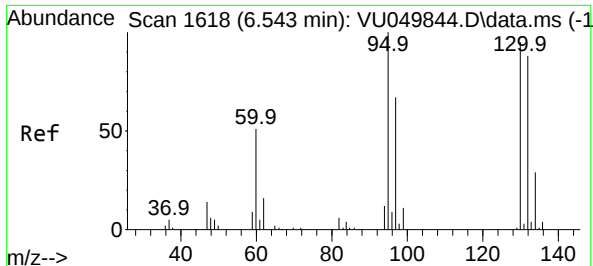
Tgt Ion:117 Resp: 4637
Ion Ratio Lower Upper
117 100
119 93.4 75.2 112.8



#33
Benzene
Concen: 0.546 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion: 78 Resp: 15469



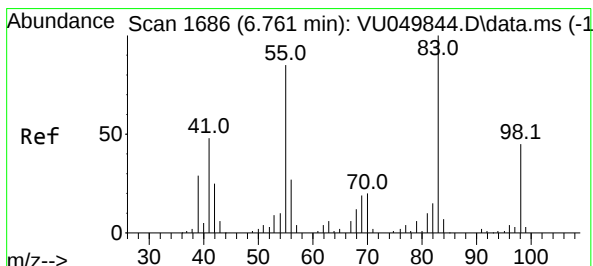
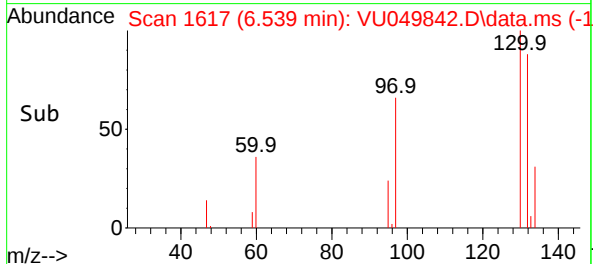
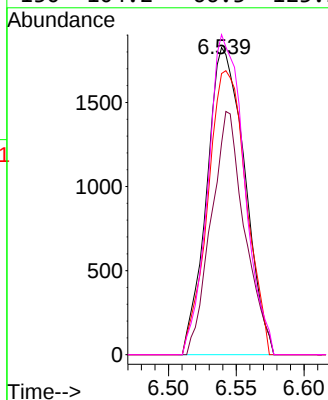
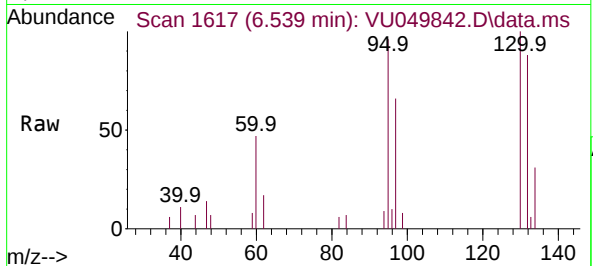


#34
Trichloroethene
Concen: 0.496 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

Tgt Ion: 95 Resp: 3564

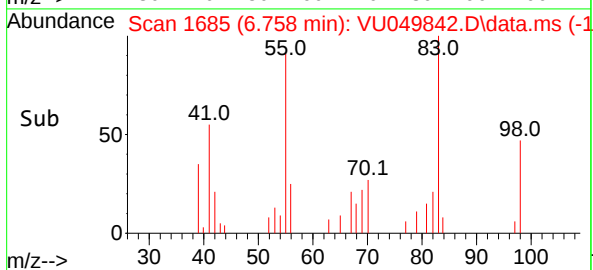
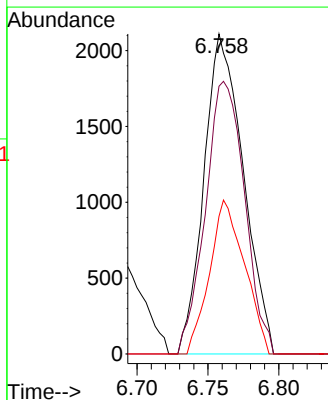
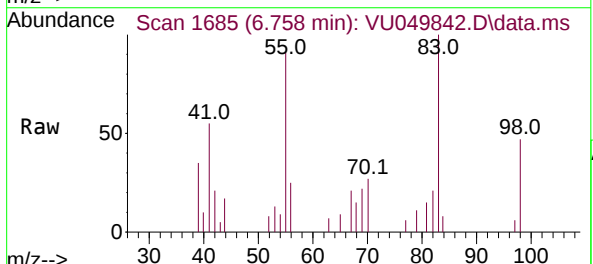
Ion	Ratio	Lower	Upper
95	100		
97	68.8	46.8	86.8
132	91.6	61.8	114.8
130	104.2	66.3	123.1

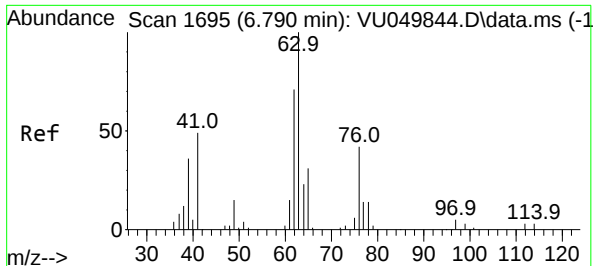


#35
Methylcyclohexane
Concen: 0.352 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion: 83 Resp: 4072

Ion	Ratio	Lower	Upper
83	100		
55	84.9	69.0	103.4
98	42.7	36.4	54.6





#37

1,2-Dichloropropane

Concen: 0.579 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

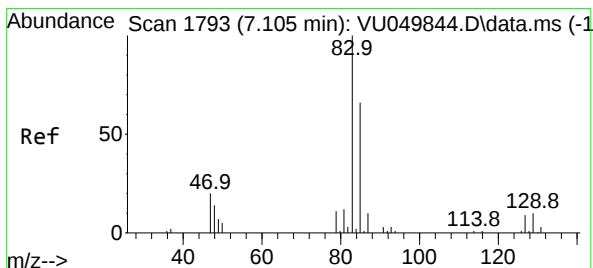
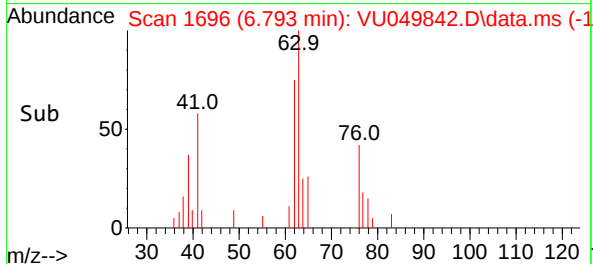
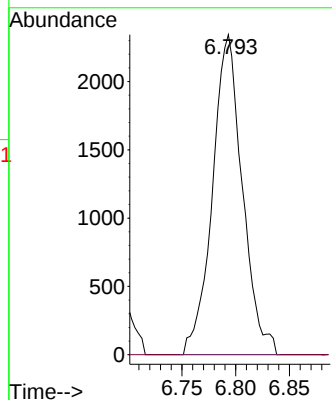
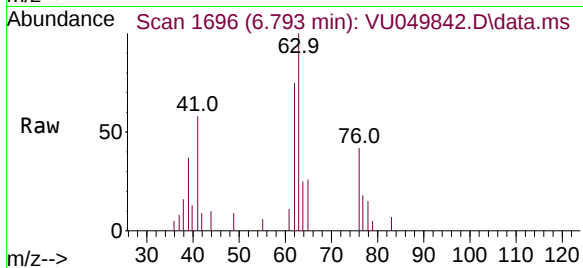
VSTD0.5038

Tgt Ion: 63 Resp: 4536

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.596 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

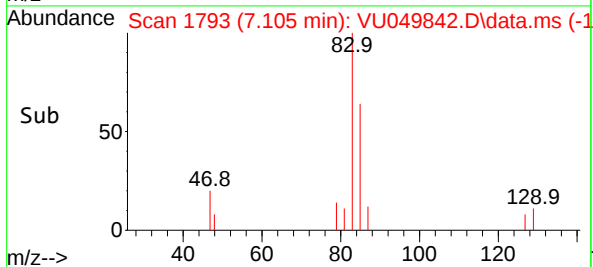
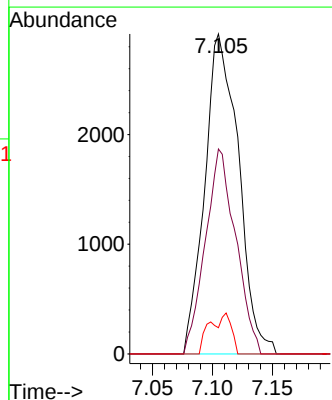
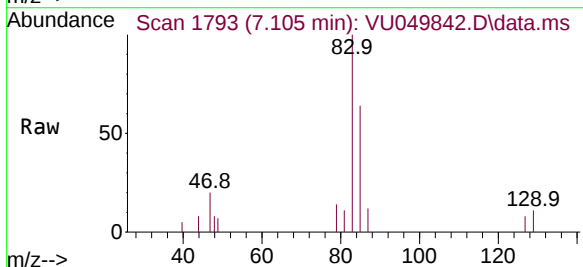
Tgt Ion: 83 Resp: 5713

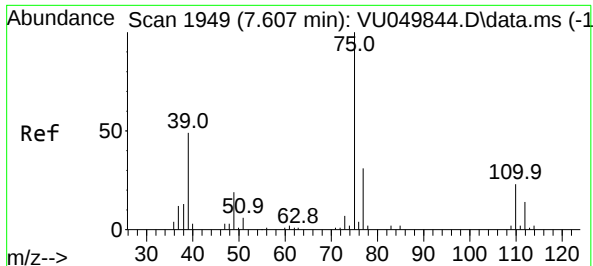
Ion Ratio Lower Upper

83 100

85 64.0 45.9 85.3

127 8.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 0.462 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

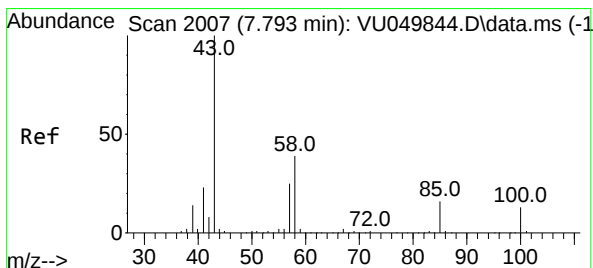
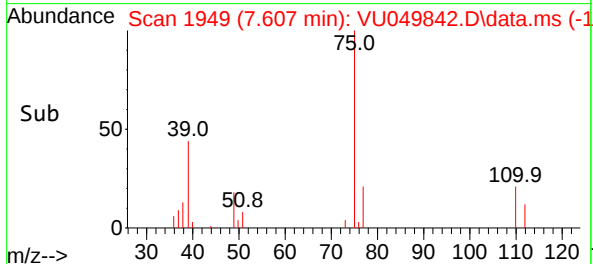
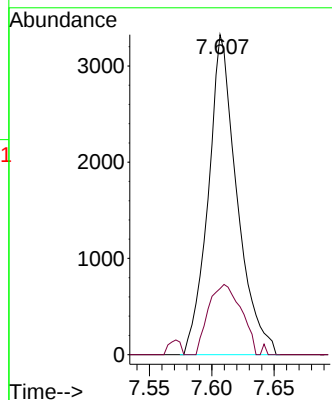
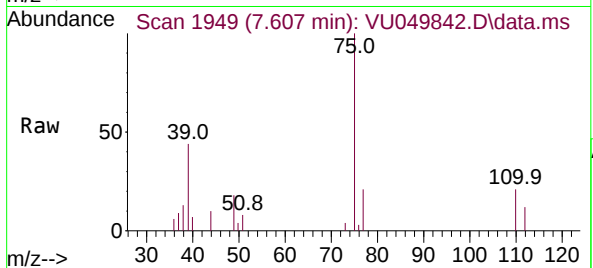
VSTD0.5038

Tgt Ion: 75 Resp: 5335

Ion Ratio Lower Upper

75 100

77 20.6 21.6 40.0#



#40

4-Methyl-2-pentanone

Concen: 4.819 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

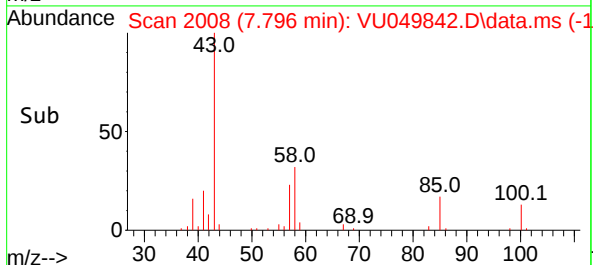
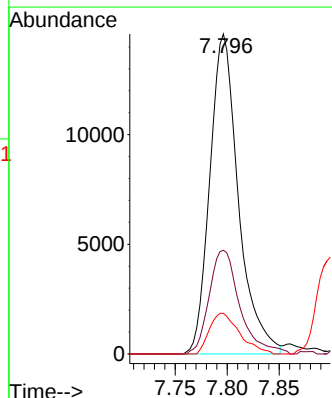
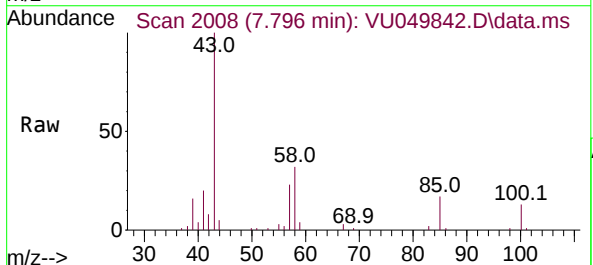
Tgt Ion: 43 Resp: 27939

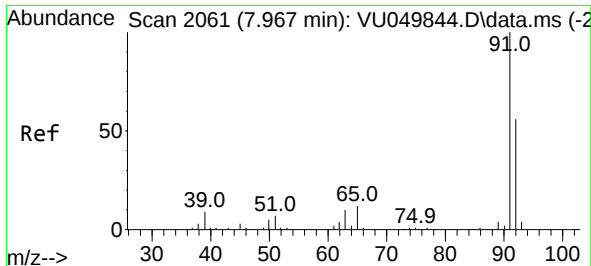
Ion Ratio Lower Upper

43 100

58 34.7 31.0 46.4

100 13.4 10.4 15.6





#42

Toluene

Concen: 0.495 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

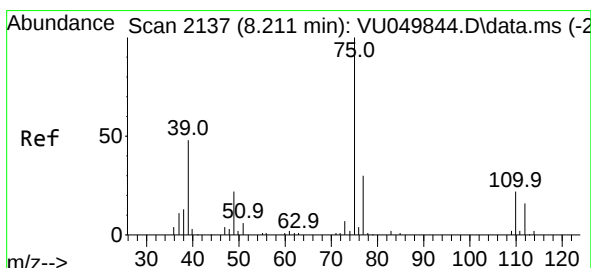
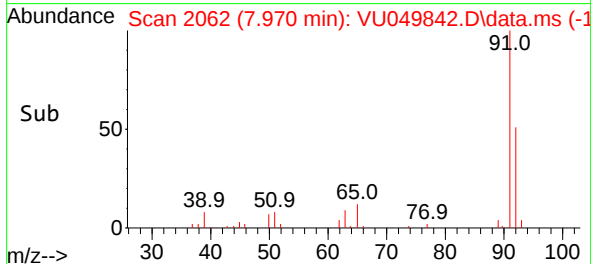
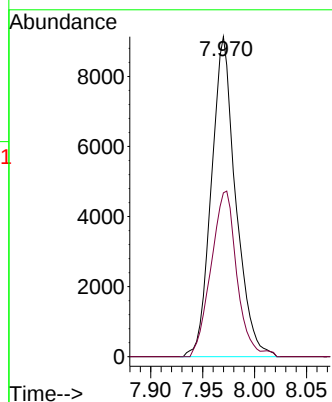
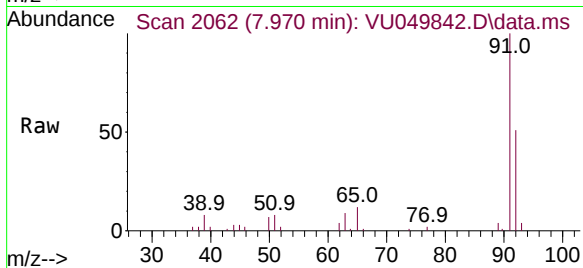
VSTD0.5038

Tgt Ion: 91 Resp: 14839

Ion Ratio Lower Upper

91 100

92 51.2 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 0.469 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU049842.D

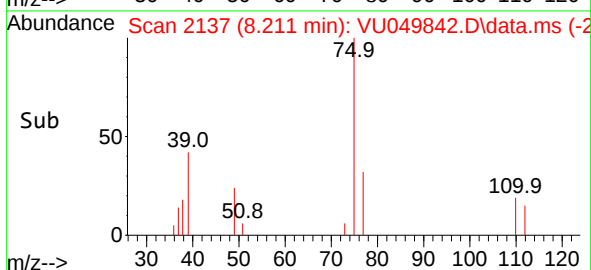
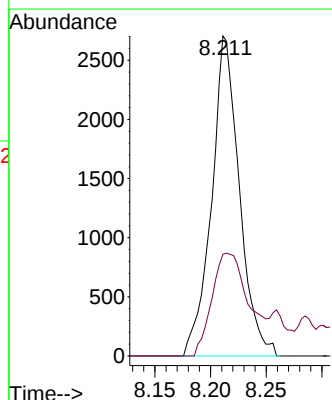
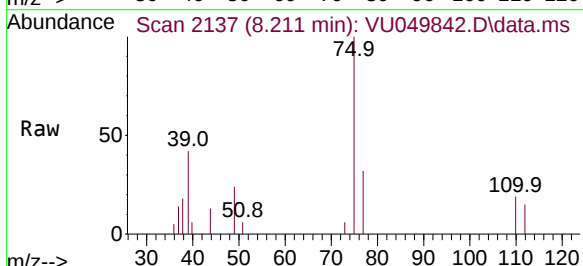
Acq: 22 Jul 2022 10:11

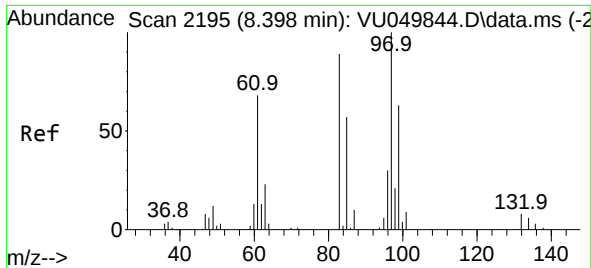
Tgt Ion: 75 Resp: 4693

Ion Ratio Lower Upper

75 100

77 31.8 21.2 39.4



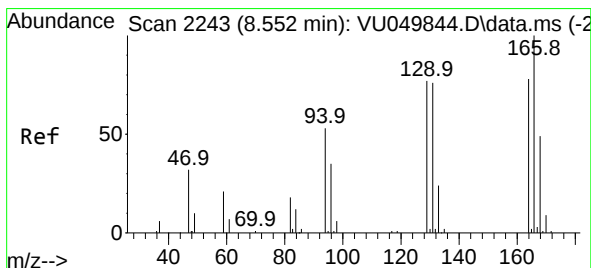
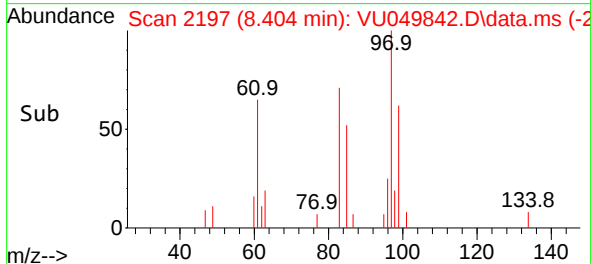
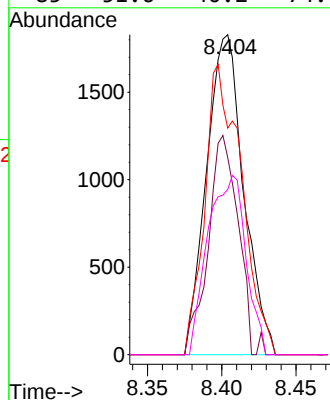
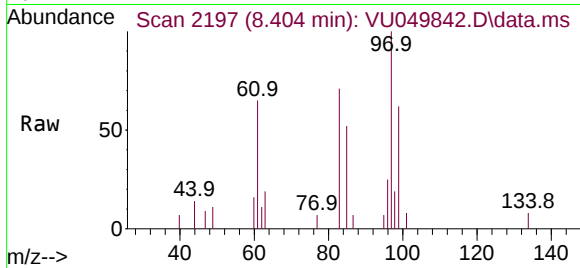


#45
1,1,2-Trichloroethane
Concen: 0.577 ug/L
RT: 8.404 min Scan# 2195
Delta R.T. 0.006 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

Tgt Ion: 97 Resp: 3182

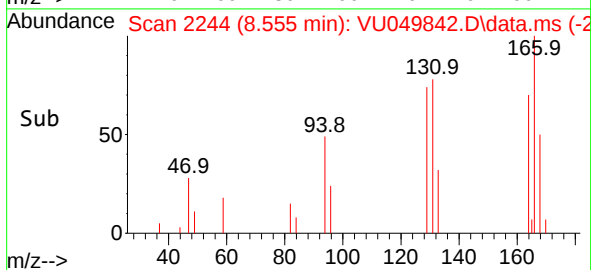
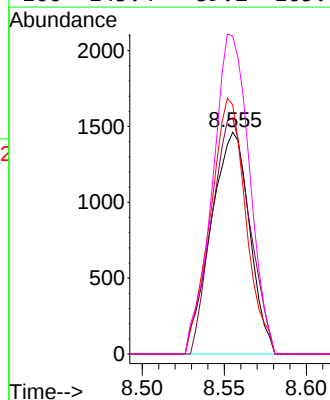
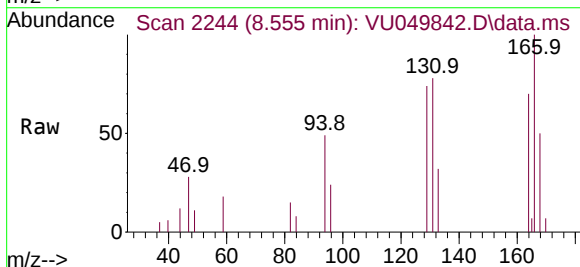
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.8	81.3
83	70.8	62.4	115.8
85	51.6	40.2	74.6

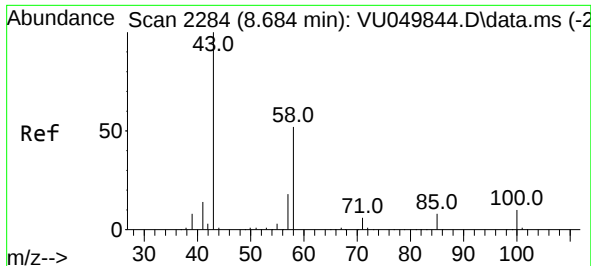


#47
Tetrachloroethene
Concen: 0.476 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion: 164 Resp: 2385

Ion	Ratio	Lower	Upper
164	100		
129	106.3	68.9	127.9
131	112.4	67.5	125.4
166	143.4	89.2	165.8

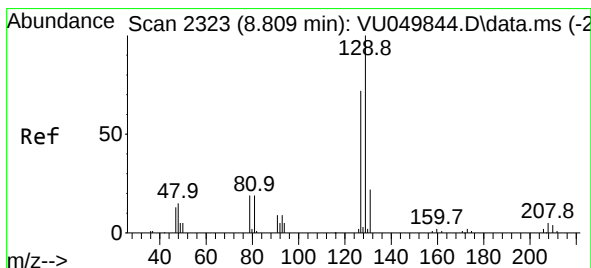
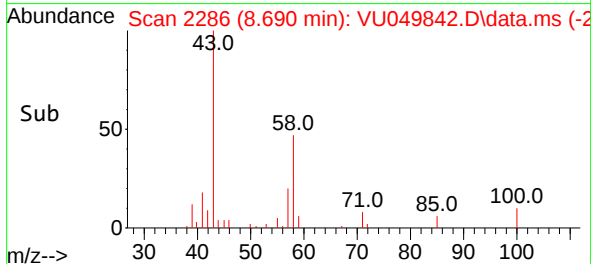
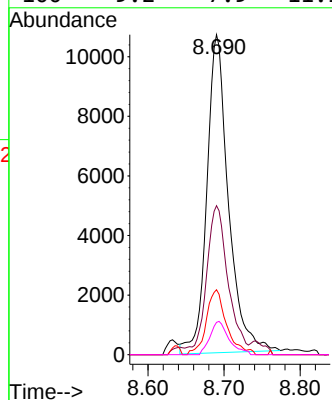
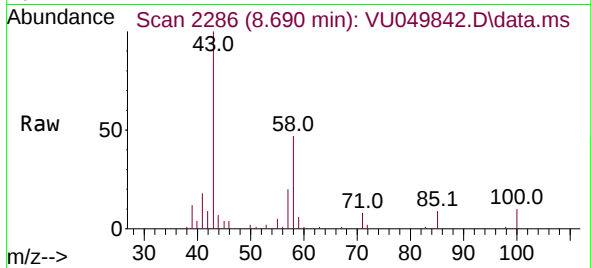




#48
2-Hexanone
Concen: 5.008 ug/L
RT: 8.690 min Scan# 21051
Delta R.T. 0.006 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

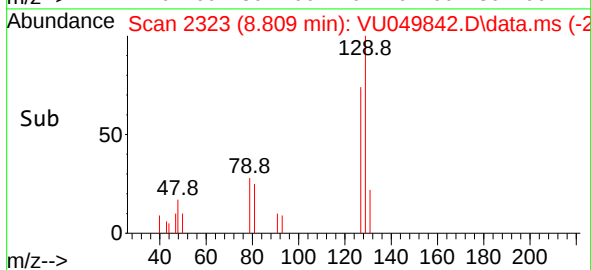
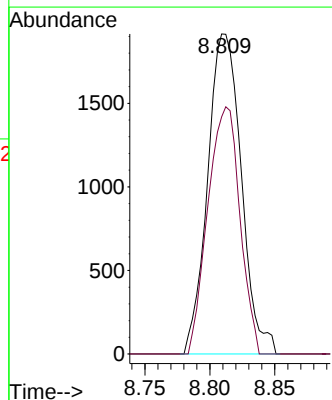
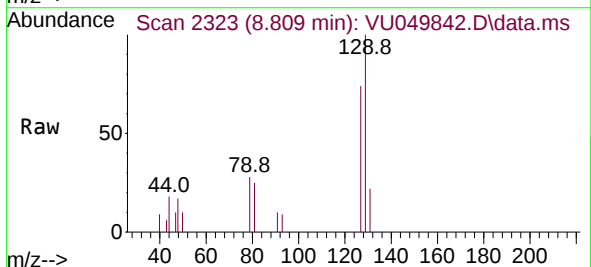
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

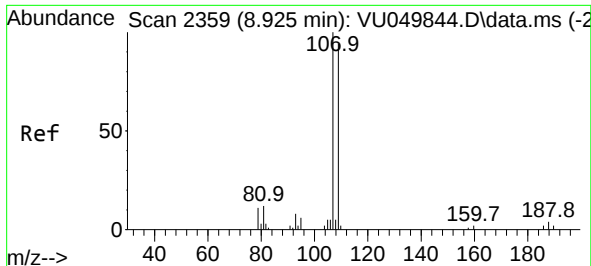
Tgt Ion: 43	Resp: 21051
Ion Ratio	Lower Upper
43 100	
58 47.0	42.1 63.1
57 19.3	14.3 21.5
100 9.2	7.9 11.9



#49
Dibromochloromethane
Concen: 0.552 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion:129	Resp:	3453	
Ion	Ratio	Lower	Upper
129	100		
127	74.1	50.5	93.7





#50

1,2-Dibromoethane

Concen: 0.540 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5038

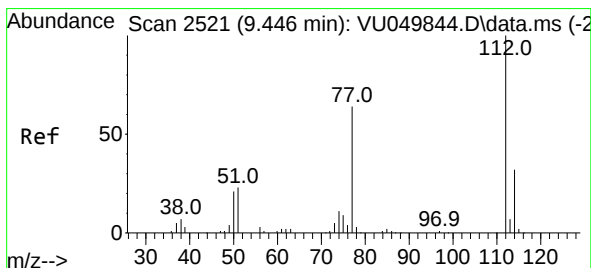
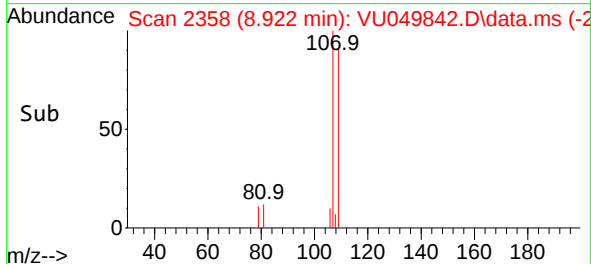
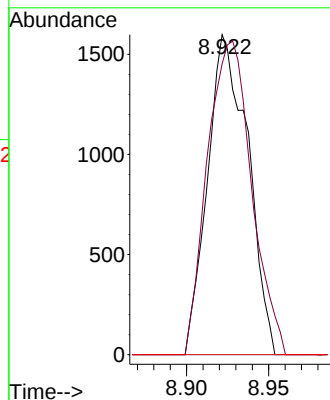
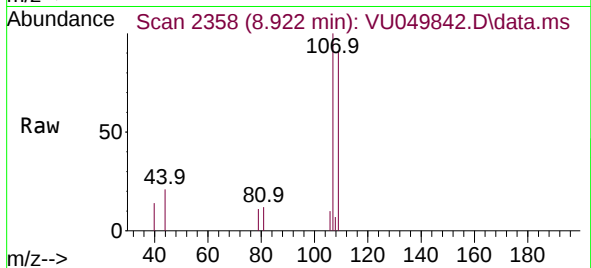
Tgt Ion:107 Resp: 2721

Ion Ratio Lower Upper

107 100

109 90.9 65.6 121.8

188 0.0 2.8 4.2#



#51

Chlorobenzene

Concen: 0.568 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

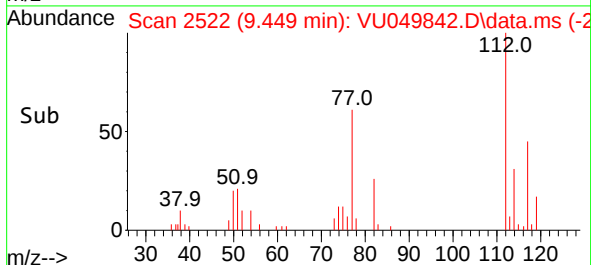
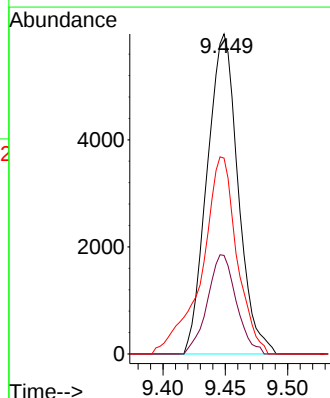
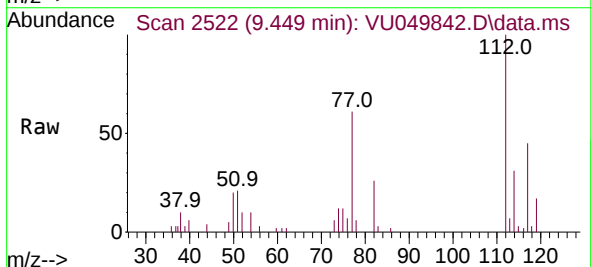
Tgt Ion:112 Resp: 10339

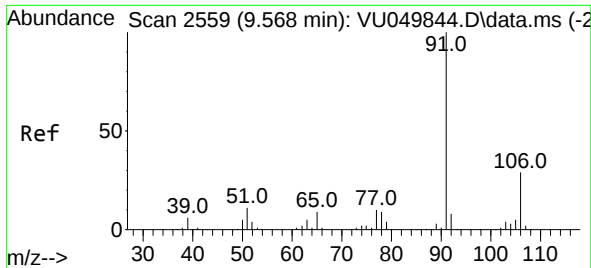
Ion Ratio Lower Upper

112 100

114 30.8 22.4 41.6

77 61.2 51.2 76.8

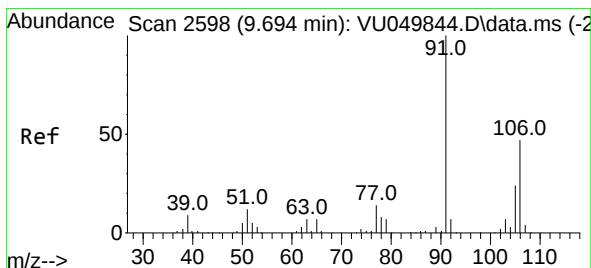
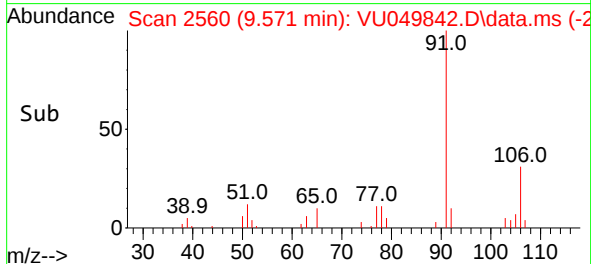
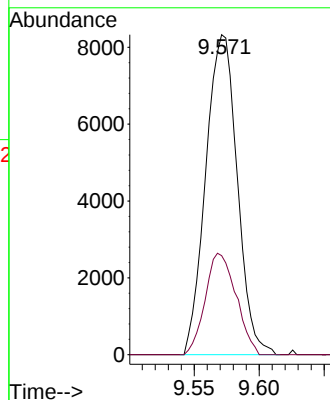
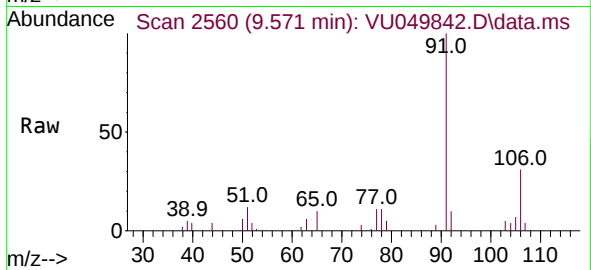




#52
Ethylbenzene
Concen: 0.436 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

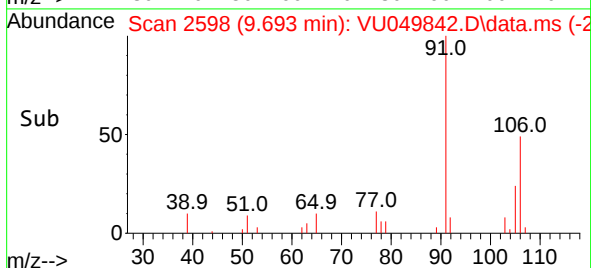
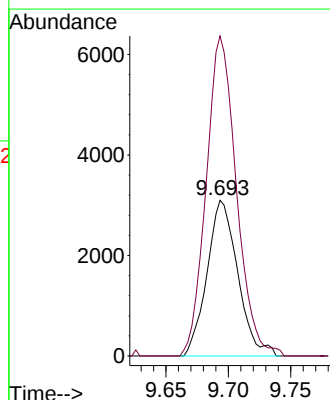
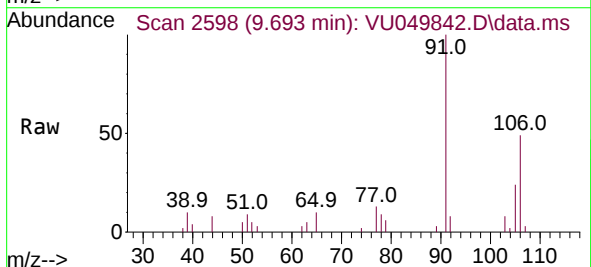
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

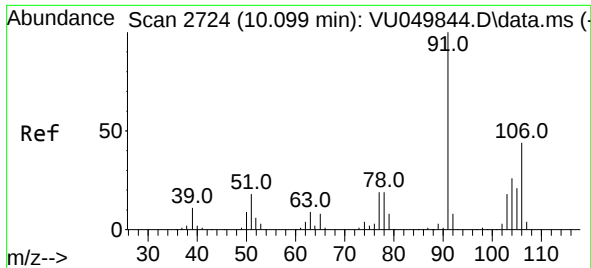
Tgt Ion: 91 Resp: 14037
Ion Ratio Lower Upper
91 100
106 31.0 20.6 38.4



#53
m,p-Xylene
Concen: 0.447 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion: 106 Resp: 5309
Ion Ratio Lower Upper
106 100
91 205.6 149.7 277.9

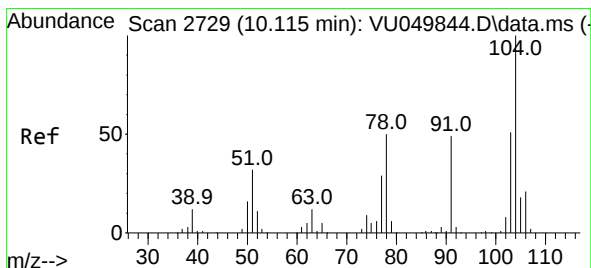
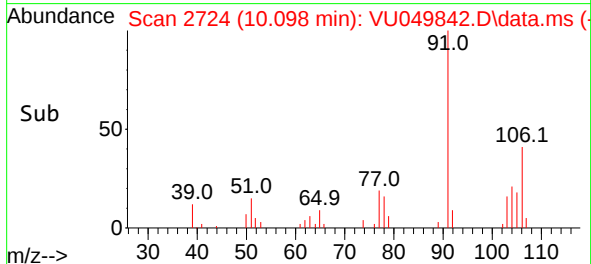
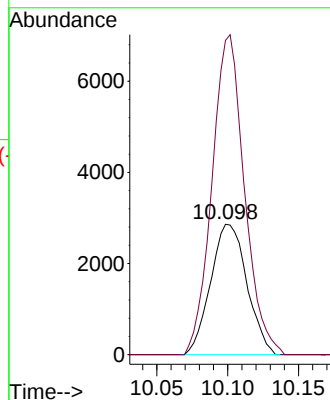
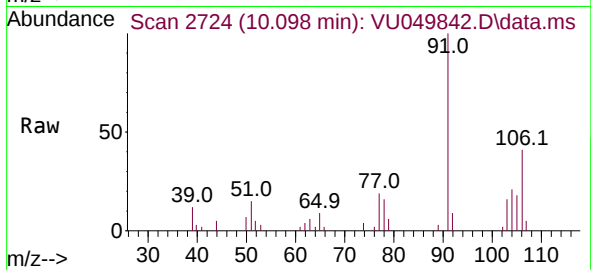




#54
o-Xylene
Concen: 0.432 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

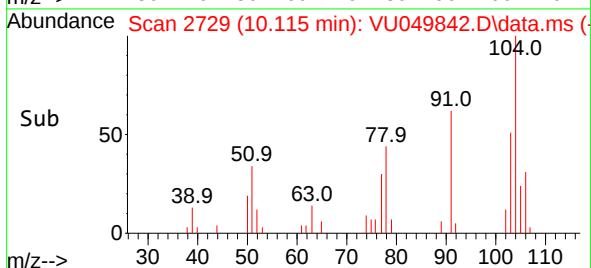
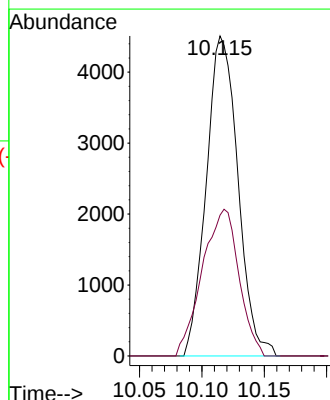
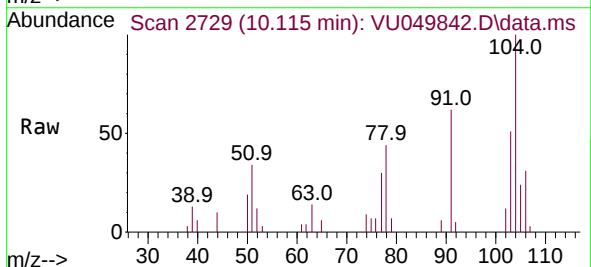
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

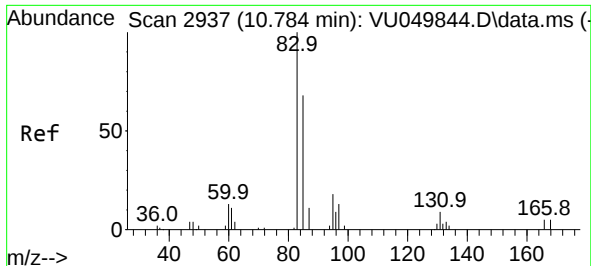
Tgt Ion:106 Resp: 5094
Ion Ratio Lower Upper
106 100
91 241.1 159.4 296.0



#55
Styrene
Concen: 0.403 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion:104 Resp: 7976
Ion Ratio Lower Upper
104 100
78 44.0 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.532 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5038

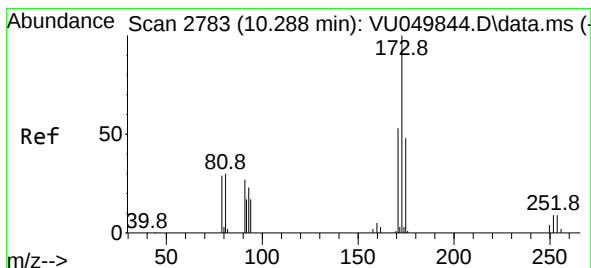
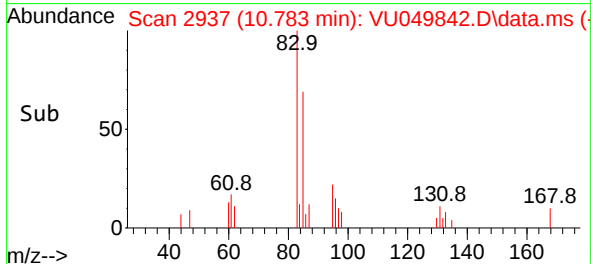
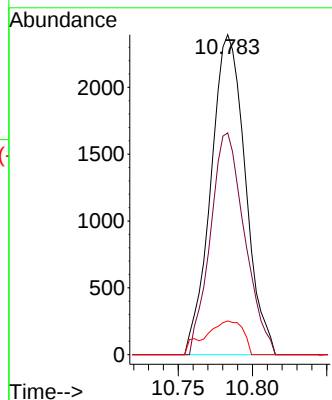
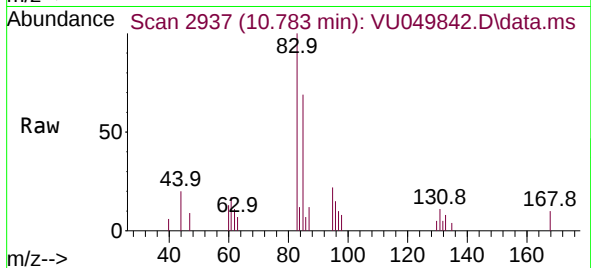
Tgt Ion: 83 Resp: 3858

Ion Ratio Lower Upper

83 100

85 69.3 47.9 89.1

131 10.6 7.3 10.9



#59

Bromoform

Concen: 0.515 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.006 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

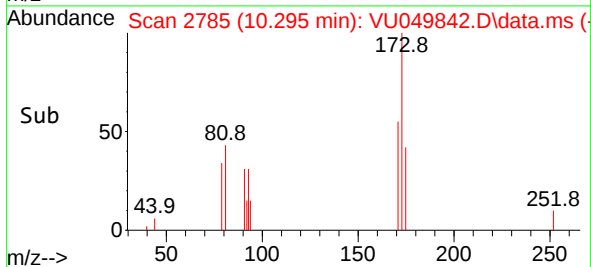
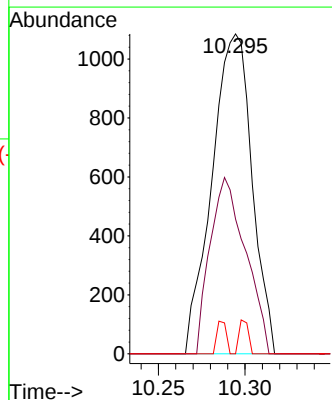
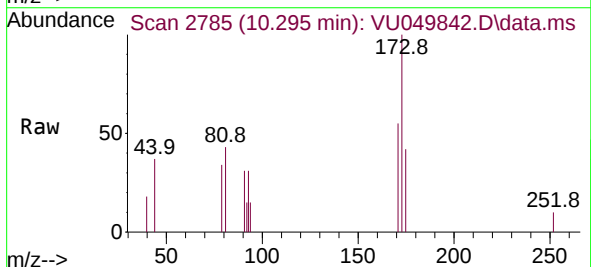
Tgt Ion:173 Resp: 1747

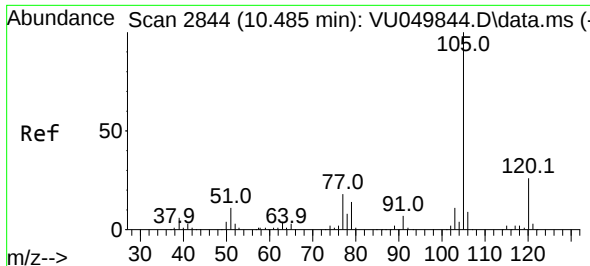
Ion Ratio Lower Upper

173 100

175 0.0 39.5 59.3#

254 2.4 7.5 11.3#

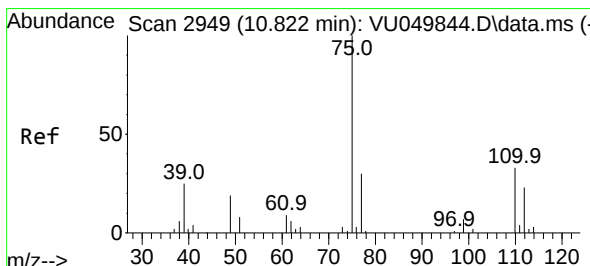
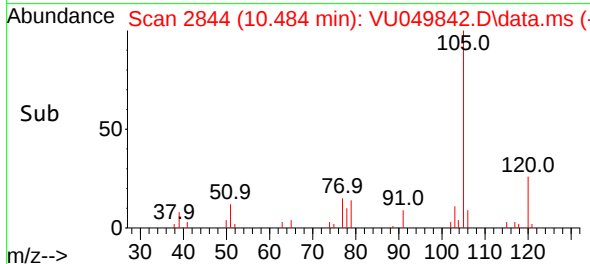
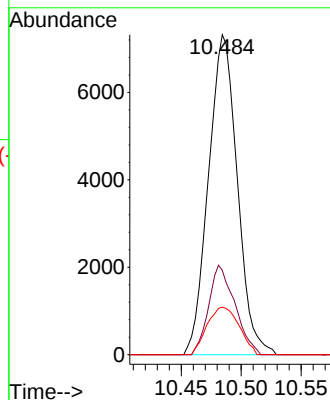
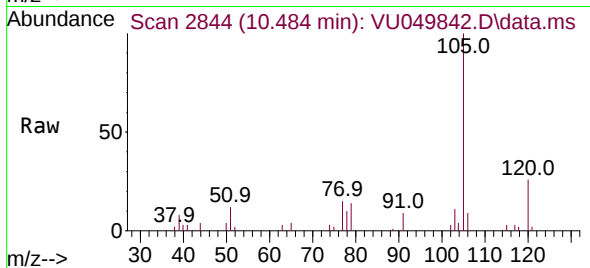




#60
Isopropylbenzene
Concen: 0.406 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

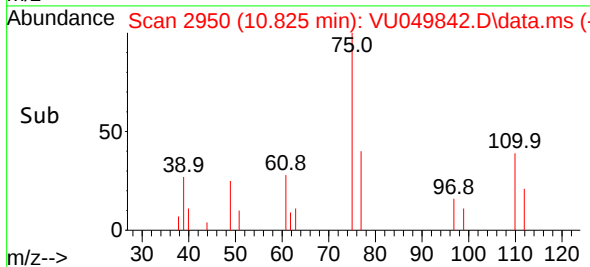
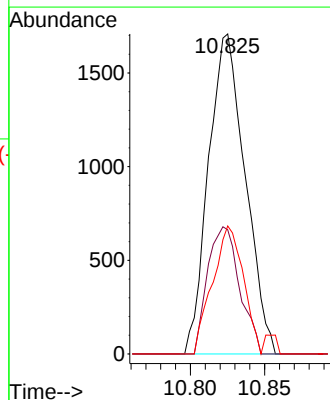
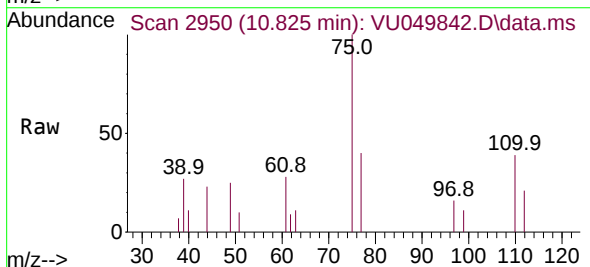
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

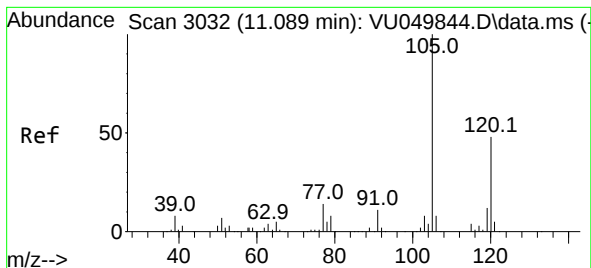
Tgt Ion:105 Resp: 12223
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6
77 16.5 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 0.566 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion: 75 Resp: 2934
Ion Ratio Lower Upper
75 100
110 34.7 28.0 42.0
77 33.7 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 0.385 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

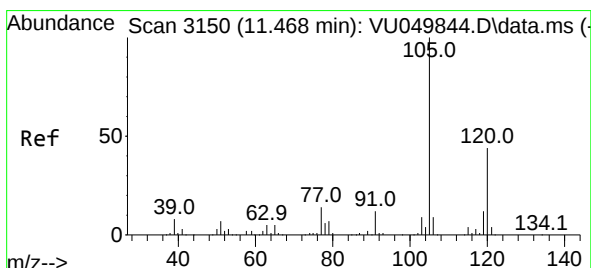
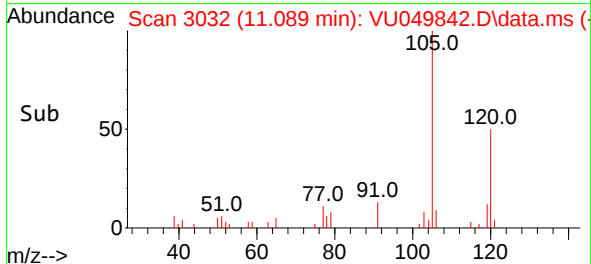
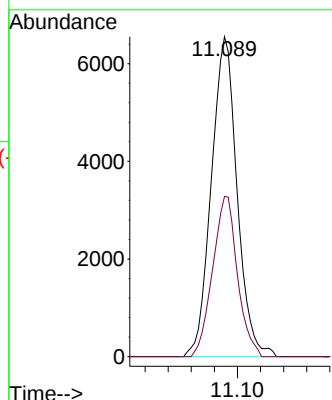
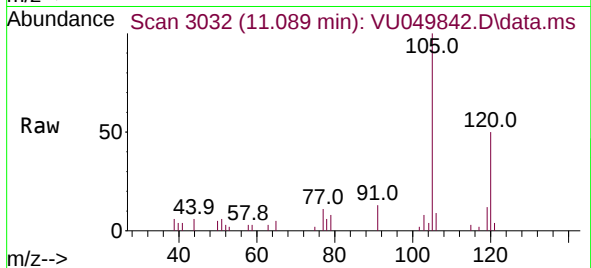
VSTD0.5038

Tgt Ion:105 Resp: 10125

Ion Ratio Lower Upper

105 100

120 48.2 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 0.364 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU049842.D

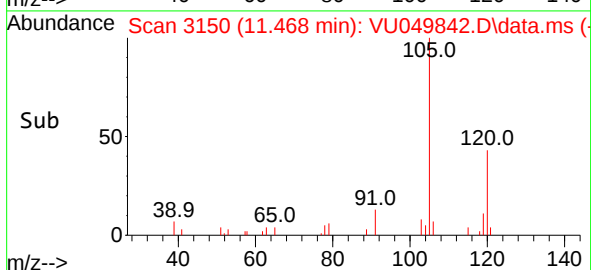
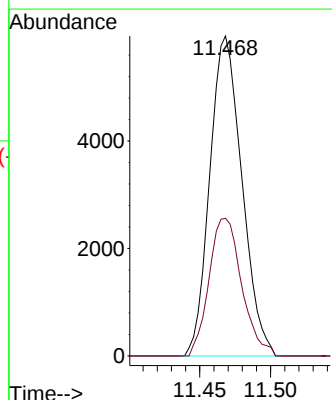
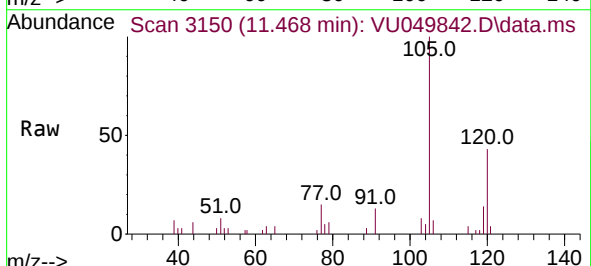
Acq: 22 Jul 2022 10:11

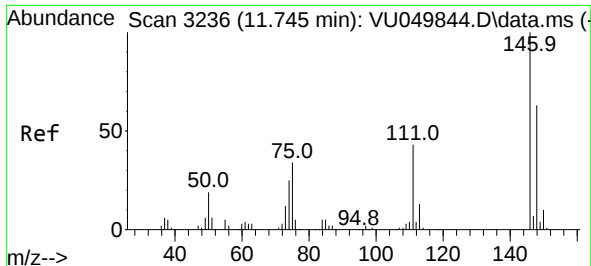
Tgt Ion:105 Resp: 9389

Ion Ratio Lower Upper

105 100

120 43.7 34.2 51.4

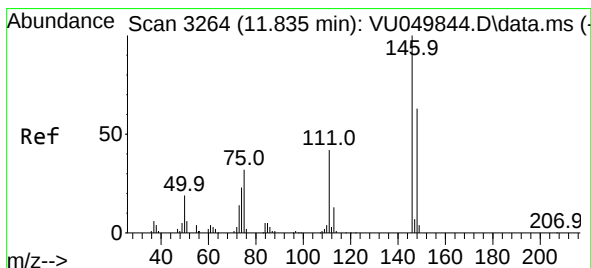
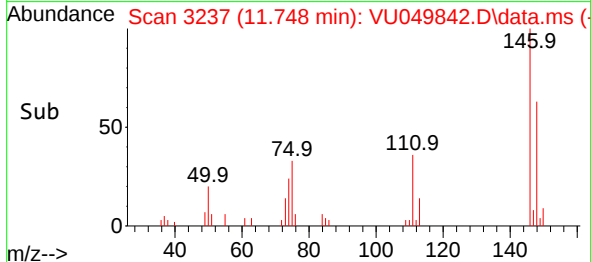
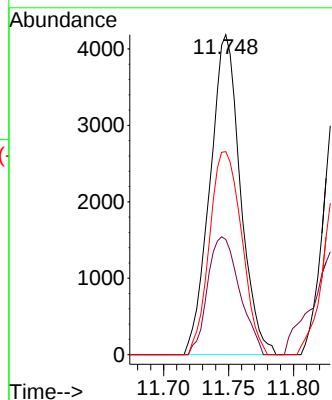
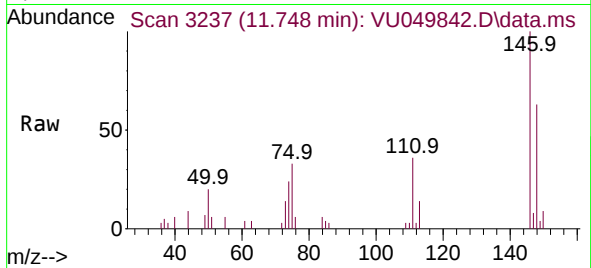




#64
1,3-Dichlorobenzene
Concen: 0.514 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

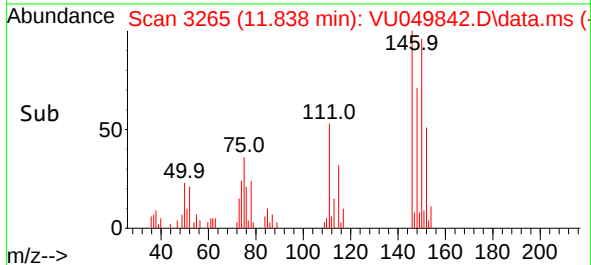
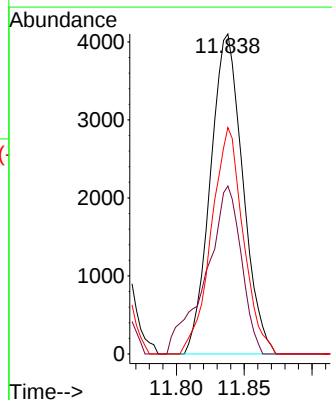
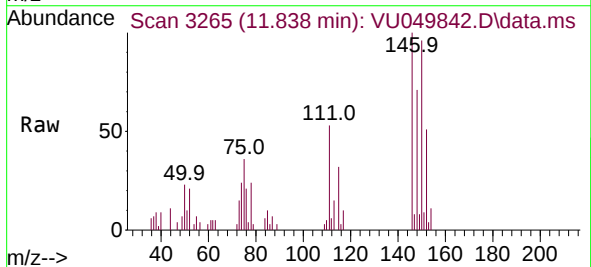
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

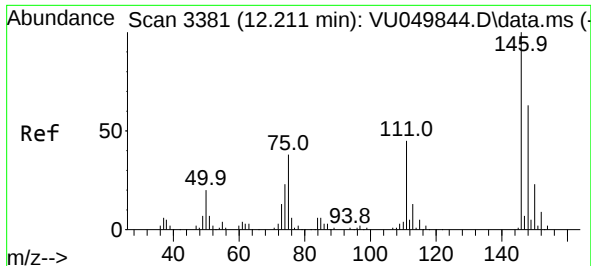
Tgt Ion:146 Resp: 6814
Ion Ratio Lower Upper
146 100
111 36.0 30.0 55.8
148 63.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 0.525 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion:146 Resp: 6817
Ion Ratio Lower Upper
146 100
111 52.5 29.5 54.7
148 70.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 0.573 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5038

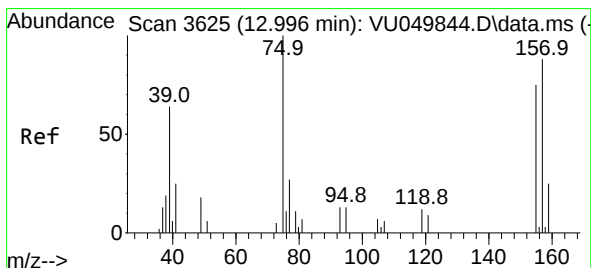
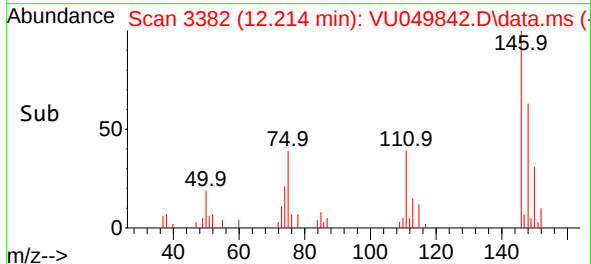
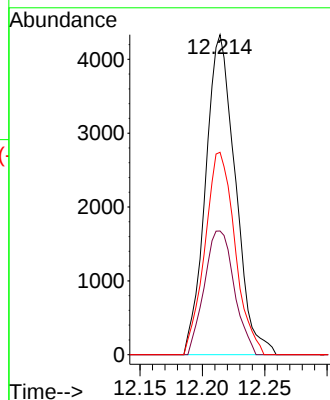
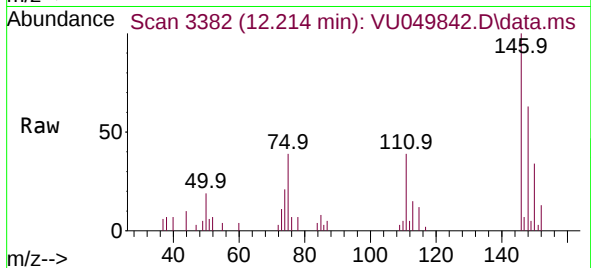
Tgt Ion:146 Resp: 7194

Ion Ratio Lower Upper

146 100

111 38.7 35.8 53.8

148 63.2 50.3 75.5



#68

1,2-Dibromo-3-chloropropane

Concen: 0.453 ug/L

RT: 13.002 min Scan# 3627

Delta R.T. 0.006 min

Lab File: VU049842.D

Acq: 22 Jul 2022 10:11

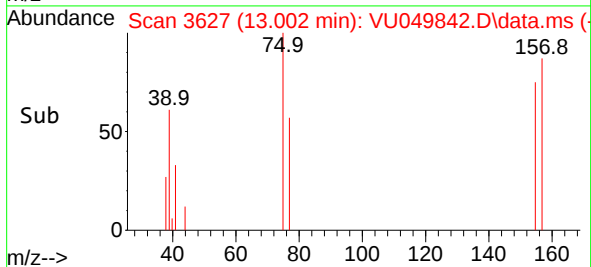
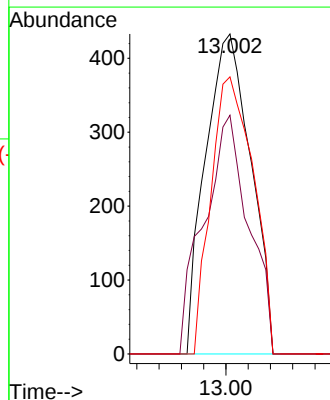
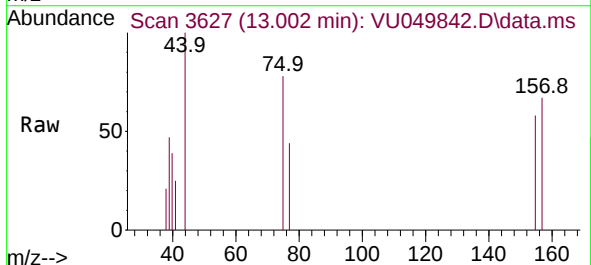
Tgt Ion: 75 Resp: 612

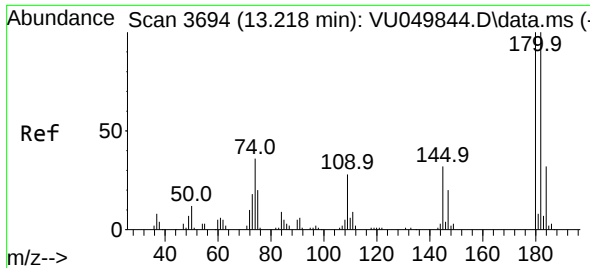
Ion Ratio Lower Upper

75 100

155 74.6 60.4 90.6

157 86.6 70.0 105.0

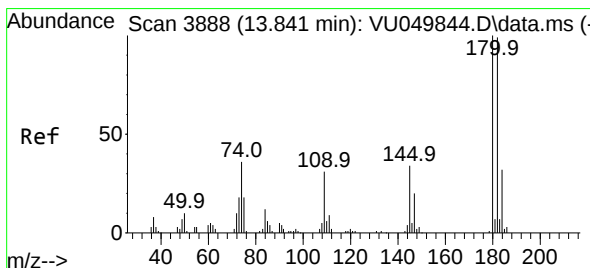
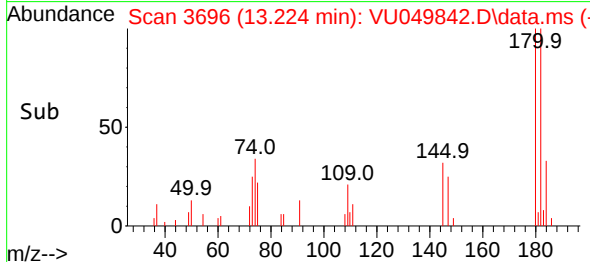
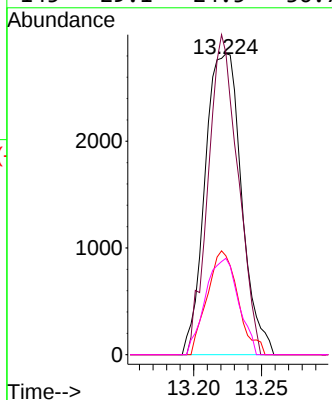
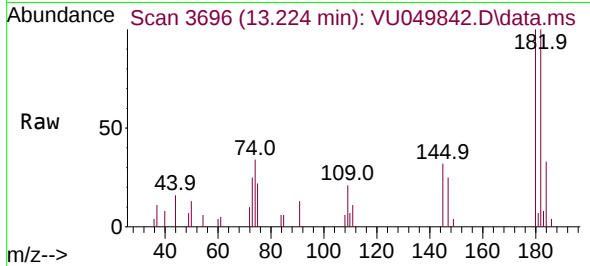




#69
 1,3,5-Trichlorobenzene
 Concen: 0.541 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.006 min
 Lab File: VU049842.D
 Acq: 22 Jul 2022 10:11

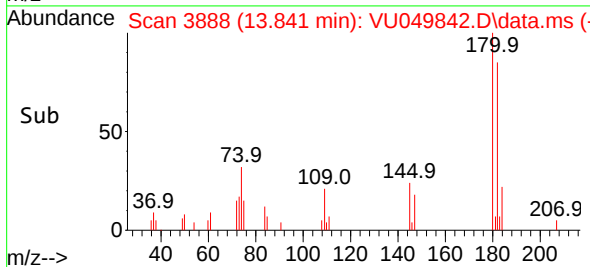
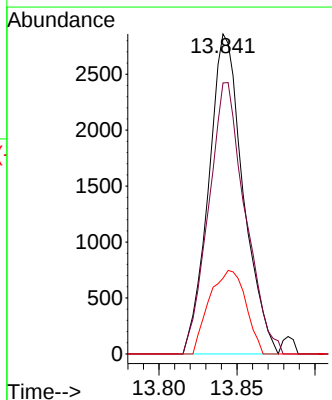
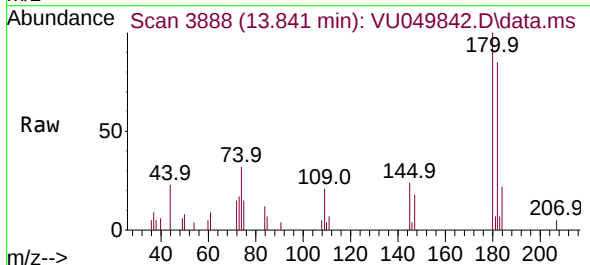
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5038

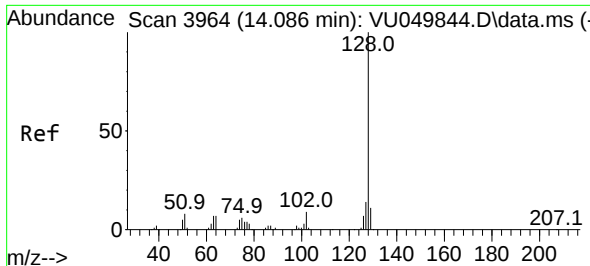
Tgt Ion:180	Resp:	5265
Ion	Ratio	Lower Upper
180	100	
182	87.0	77.2 115.8
184	29.2	25.3 37.9
145	29.1	24.5 36.7



#70
 1,2,4-trichlorobenzene
 Concen: 0.564 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU049842.D
 Acq: 22 Jul 2022 10:11

Tgt Ion:180	Resp:	4396
Ion	Ratio	Lower Upper
180	100	
182	89.6	77.0 115.4
145	27.5	26.1 39.1

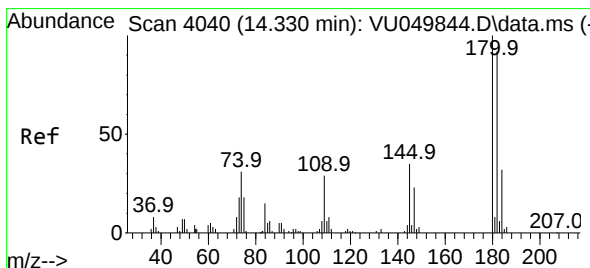
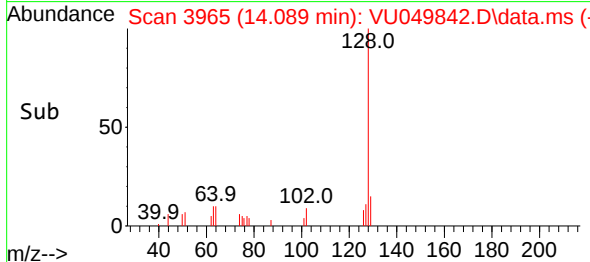
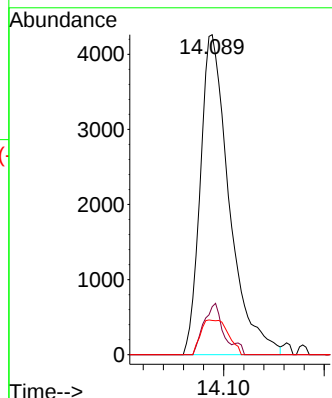
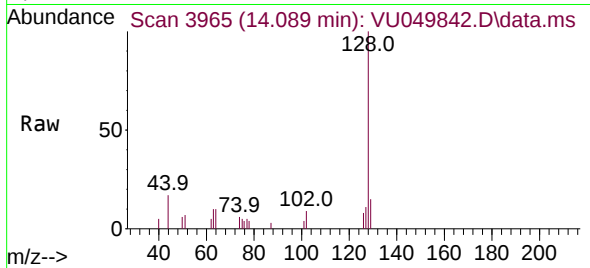




#71
Naphthalene
Concen: 0.554 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5038

Tgt Ion:128 Resp: 8508
Ion Ratio Lower Upper
128 100
129 10.2 8.2 12.4
127 10.2 11.1 16.7#



#72
1,2,3-Trichlorobenzene
Concen: 0.572 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VU049842.D
Acq: 22 Jul 2022 10:11

Tgt Ion:180 Resp: 4235
Ion Ratio Lower Upper
180 100
182 90.1 73.9 110.9
145 33.9 27.8 41.6

