

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047637.D
 Acq On : 24 Mar 2022 15:28
 Operator : SY/MD
 Sample : VIBLK051
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK051

Quant Time: Mar 24 23:29:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:21:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	77	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.420	117	668	50.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	1221	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	276	494.290	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	988.580%#		
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount 50.000	Range 70	- 130	Recovery =	0.000%#		
11) 1,1-Dichloroethene-d2	2.581	63	431	421.888	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	843.780%#		
21) 2-Butanone-d5	4.678	46	112	233.690	ug/L	0.04
Spiked Amount 100.000	Range 40	- 130	Recovery =	233.690%#		
24) Chloroform-d	5.067	84	395	386.617	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	773.240%#		
26) 1,2-Dichloroethane-d4	5.713	65	611	975.076	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	1950.160%#		
32) Benzene-d6	5.735	84	821	48.844	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	97.680%		
36) 1,2-Dichloropropane-d6	6.700	67	184	35.644	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	71.280%		
41) Toluene-d8	7.909	98	1363	83.228	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	166.460%#		
43) trans-1,3-Dichloroprop...	8.192	79	187	71.504	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	143.000%#		
47) 2-Hexanone-d5	8.645	63	565	186.968	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery =	186.970%#		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	1730	195.280	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery =	390.560%#		
66) 1,2-Dichlorobenzene-d4	12.198	152	2417	111.266	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	222.540%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.391	85	112	156.892	ug/L #	42
3) Chloromethane	1.527	50	552	808.559	ug/L #	68
5) Vinyl chloride	1.607	62	431	619.014	ug/L	93
6) Bromomethane	1.867	94	45	120.078	ug/L	99
8) Chloroethane	1.607	64	46	105.242	ug/L #	41
9) Trichlorofluoromethane	2.144	101	201	204.718	ug/L #	67
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	299	526.838	ug/L #	48
12) 1,1-Dichloroethene	2.578	96	186	352.149	ug/L	79
13) Acetone	2.652	43	723	1621.066	ug/L	50
14) Carbon disulfide	2.803	76	7390	4426.306	ug/L	99
15) Methyl Acetate	2.970	43	430	604.616	ug/L #	47
16) Methylene chloride	3.051	84	877	1446.947	ug/L	94
17) trans-1,2-Dichloroethene	3.362	96	732	1284.880	ug/L	92
18) Methyl tert-butyl Ether	3.359	73	91	56.618	ug/L #	56
19) 1,1-Dichloroethane	3.877	63	195	198.466	ug/L #	50
20) cis-1,2-Dichloroethene	4.671	96	325	520.358	ug/L	96
22) 2-Butanone	4.745	43	1421	2473.336	ug/L #	60
23) Bromochloromethane	4.986	128	43	125.395	ug/L #	30

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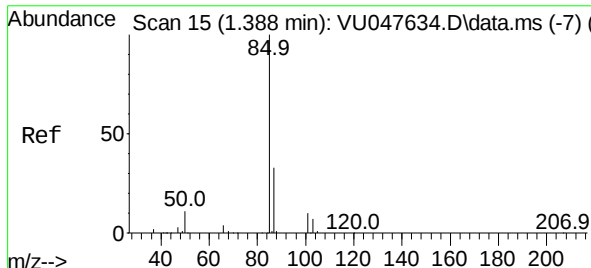
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.096	83	430	406.495	ug/L	78
27) 1,2-Dichloroethane	5.803	62	527	644.834	ug/L #	75
29) Cyclohexane	5.385	56	139	20.506	ug/L #	50
30) 1,1,1-Trichloroethane	5.321	97	43	5.677	ug/L #	24
33) Benzene	5.787	78	1252	64.752	ug/L	100
34) Trichloroethene	6.539	95	214	42.216	ug/L #	75
35) Methylcyclohexane	6.764	83	151	19.580	ug/L #	51
37) 1,2-Dichloropropane	6.796	63	189	38.451	ug/L #	87
38) Bromodichloromethane	7.108	83	252	37.334	ug/L #	26
39) cis-1,3-Dichloropropene	7.607	75	220	28.846	ug/L #	76
40) 4-Methyl-2-pentanone	7.806	43	5186	667.552	ug/L #	89
42) Toluene	7.970	91	1523	71.787	ug/L #	74
44) trans-1,3-Dichloropropene	8.214	75	400	52.528	ug/L #	1
45) 1,1,2-Trichloroethane	8.407	97	374	71.743	ug/L #	84
46) Tetrachloroethene	8.555	164	235	51.588	ug/L	82
48) 2-Hexanone	8.693	43	10098	1511.112	ug/L #	90
49) Dibromochloromethane	8.812	129	412	68.235	ug/L	98
50) 1,2-Dibromoethane	8.922	107	315	53.899	ug/L #	60
51) Chlorobenzene	9.452	112	1783	123.775	ug/L	90
52) Ethylbenzene	9.571	91	2171	97.322	ug/L	90
53) m,p-Xylene	9.697	106	792	90.483	ug/L	98
54) o-Xylene	10.105	106	704	81.948	ug/L	89
55) Styrene	10.118	104	2063	140.654	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	1991	203.723	ug/L	99
59) Bromoform	10.298	173	472	30.231	ug/L #	88
60) 1,2,3-Trichloropropane	10.825	75	2262	98.271	ug/L	95
61) Isopropylbenzene	10.488	105	2827	42.841	ug/L	97
62) 1,3,5-Trimethylbenzene	11.092	105	1893	52.871	ug/L	97
63) 1,2,4-Trimethylbenzene	11.471	105	3874	71.232	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	4121	112.356	ug/L	97
65) 1,4-Dichlorobenzene	11.841	146	4455	117.265	ug/L	98
67) 1,2-Dichlorobenzene	12.217	146	4476	121.963	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	1562	211.850	ug/L	89
69) 1,3,5-Trichlorobenzene	13.224	180	5870	197.059	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	11049	423.474	ug/L	95
71) Naphthalene	14.089	128	95158	1223.289	ug/L	98
72) 1,2,3-Trichlorobenzene	14.333	180	14240	544.426	ug/L	97

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

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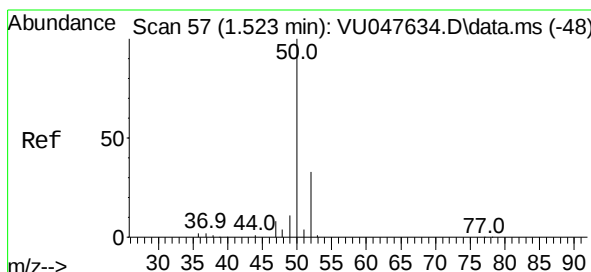
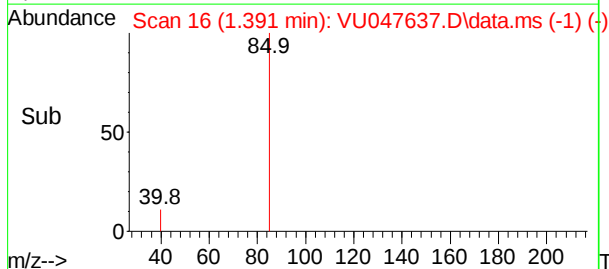
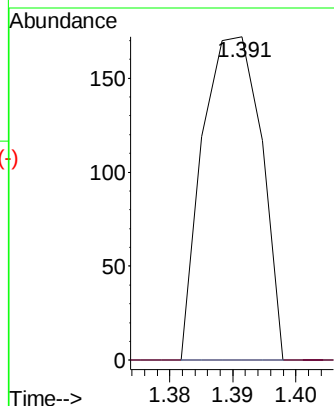
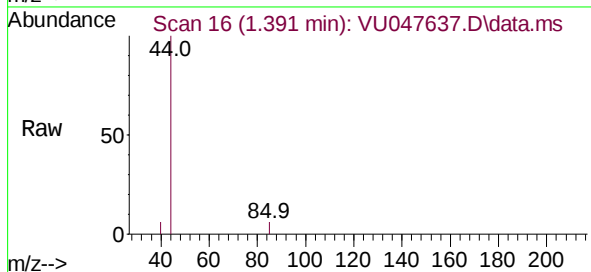




Dichlorodifluoromethane
 Concen: 156.892 ug/L
 RT: 1.391 min Scan# 1
 Delta R.T. 0.003 min
 Lab File: VU047637.D
 Acq: 24 Mar 2022 15:28

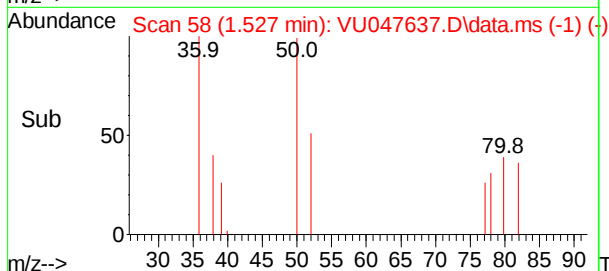
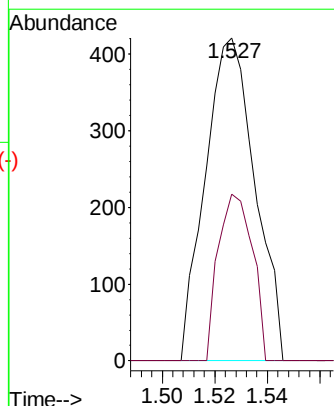
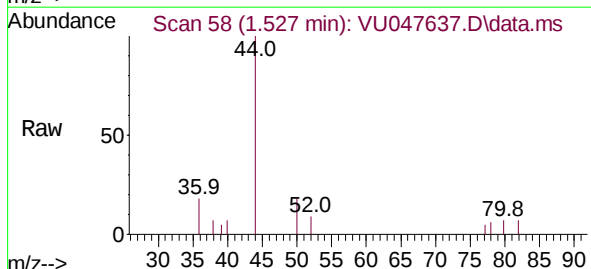
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 VIBLK051

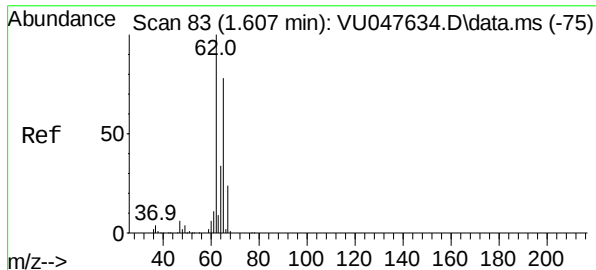
Tgt Ion: 85 Resp: 112
 Ion Ratio Lower Upper
 85 100
 87 0.0 25.8 38.8#



Chloromethane
 Concen: 808.559 ug/L
 RT: 1.527 min Scan# 58
 Delta R.T. 0.003 min
 Lab File: VU047637.D
 Acq: 24 Mar 2022 15:28

Tgt Ion: 50 Resp: 552
 Ion Ratio Lower Upper
 50 100
 52 51.5 23.2 43.2#

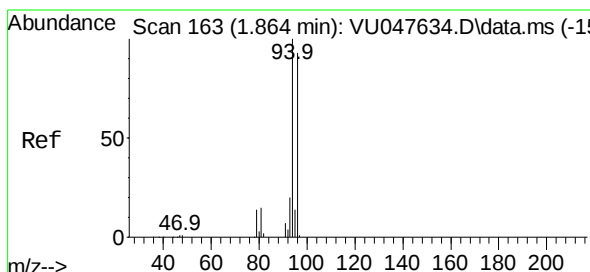
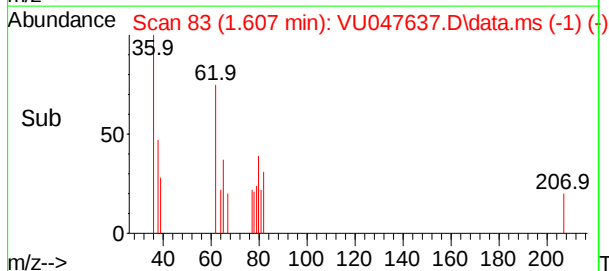
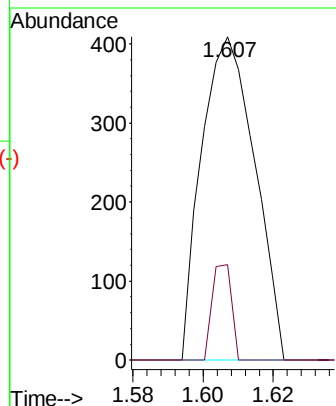
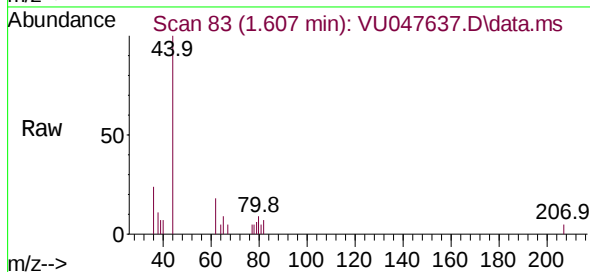




Vinyl chloride
 Concen: 619.014 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047637.D
 Acq: 24 Mar 2022 15:28

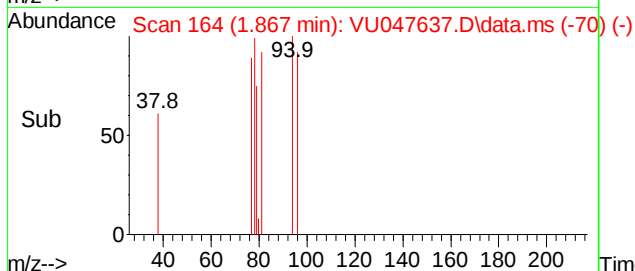
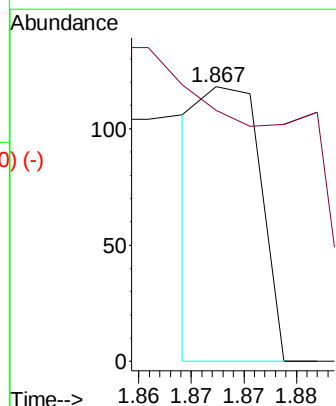
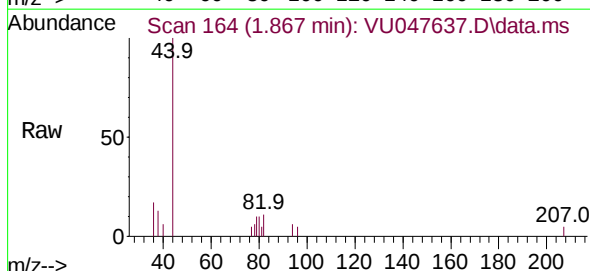
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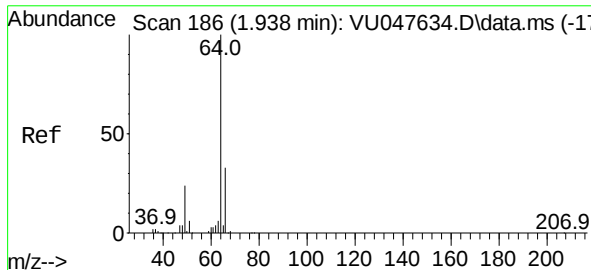
Tgt Ion: 62 Resp: 431
 Ion Ratio Lower Upper
 62 100
 64 29.6 23.7 43.9



Bromomethane
 Concen: 120.078 ug/L
 RT: 1.867 min Scan# 164
 Delta R.T. 0.003 min
 Lab File: VU047637.D
 Acq: 24 Mar 2022 15:28

Tgt Ion: 94 Resp: 45
 Ion Ratio Lower Upper
 94 100
 96 91.5 64.8 120.3





Chloroethane

Concen: 105.242 ug/L

RT: 1.607 min Scan# 8

Delta R.T. -0.331 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

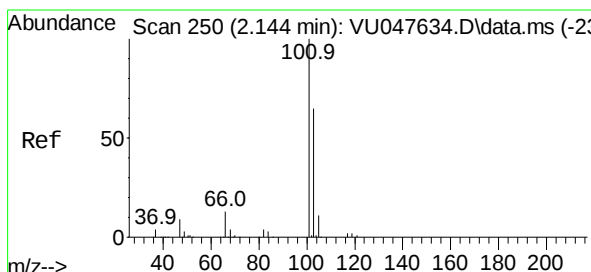
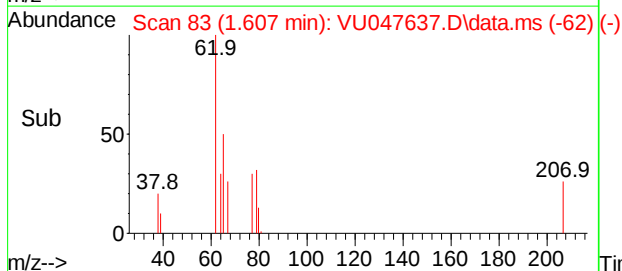
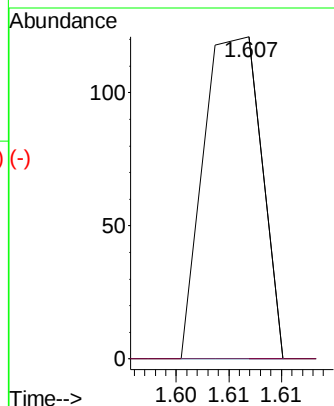
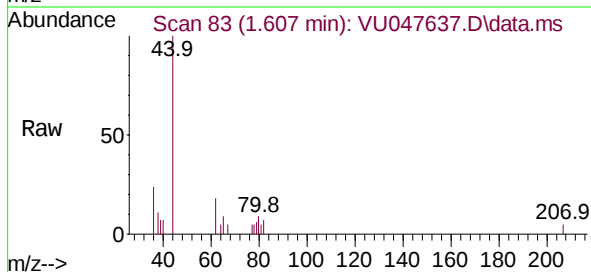
VIBLK051

Tgt Ion: 64 Resp: 46

Ion Ratio Lower Upper

64 100

66 0.0 23.3 43.3#



Trichlorofluoromethane

Concen: 204.718 ug/L

RT: 2.144 min Scan# 250

Delta R.T. 0.000 min

Lab File: VU047637.D

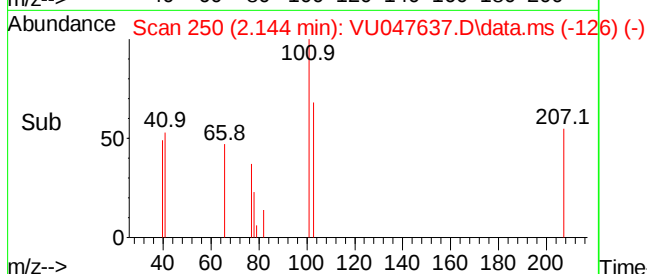
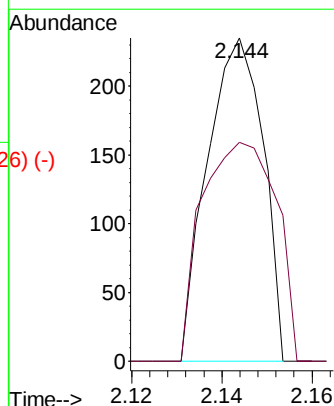
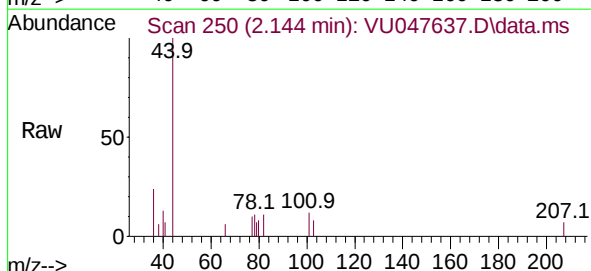
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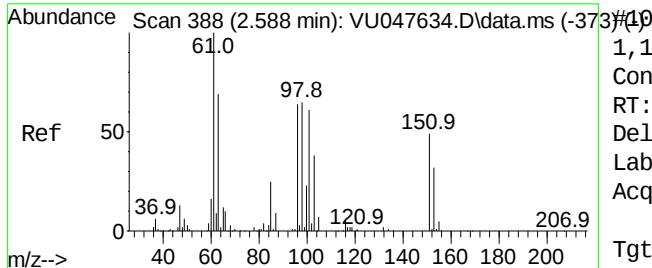
Tgt Ion:101 Resp: 201

Ion Ratio Lower Upper

101 100

103 90.5 51.4 77.2#

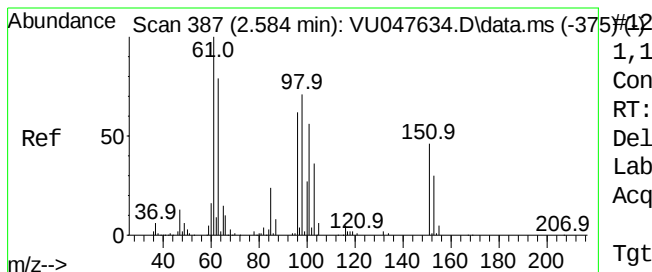
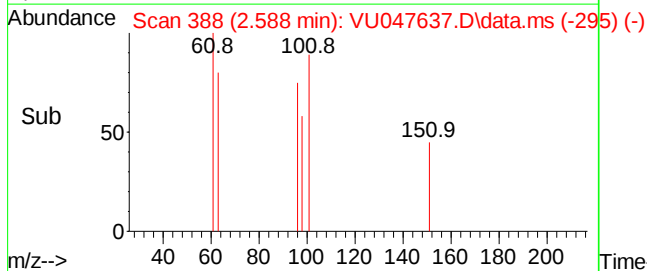
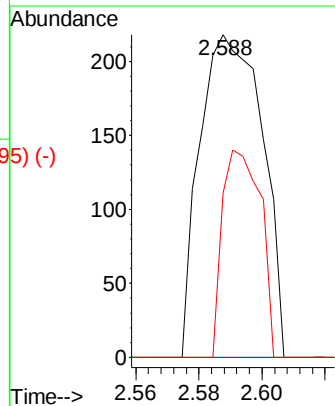
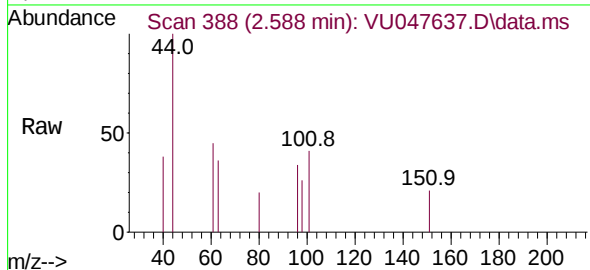




1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 526.838 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU047637.D
 Acq: 24 Mar 2022 15:28

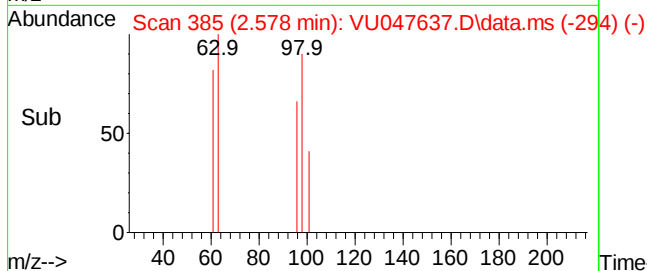
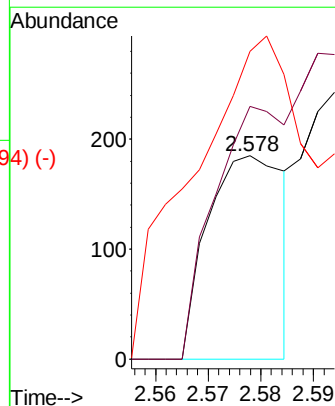
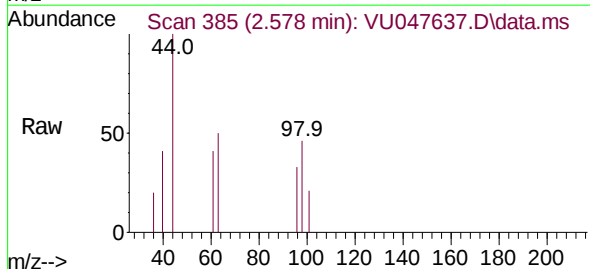
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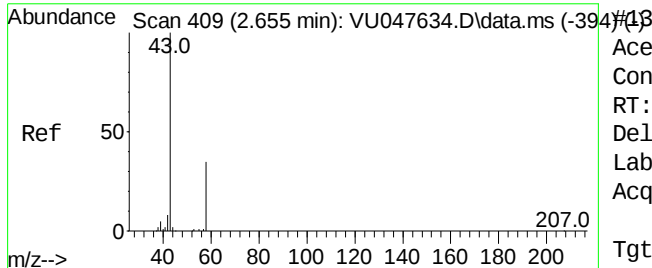
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Ion	Ratio	Lower	Upper
101	100		
85	0.0	32.8	49.2#
151	39.5	63.0	94.6#



1,1-Dichloroethene
 Concen: 352.149 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.006 min
 Lab File: VU047637.D
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Tgt Ion:	96	Resp:	186
Ion	Ratio	Lower	Upper
96	100		
61	124.3	113.1	210.1
63	151.4	94.8	176.0





Acetone

Concen: 1621.066 ug/L

RT: 2.652 min Scan# 413

Delta R.T. -0.003 min

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ClientSampleId :

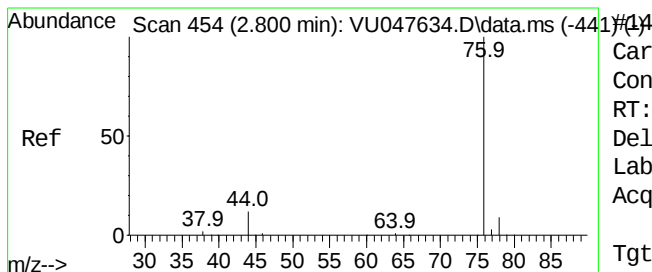
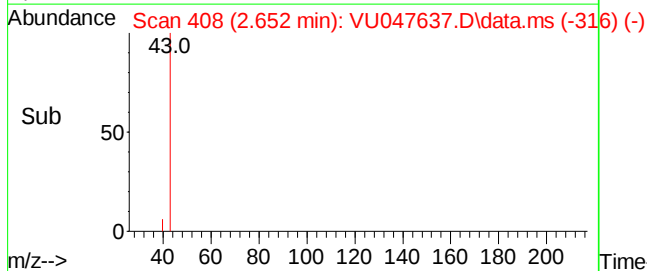
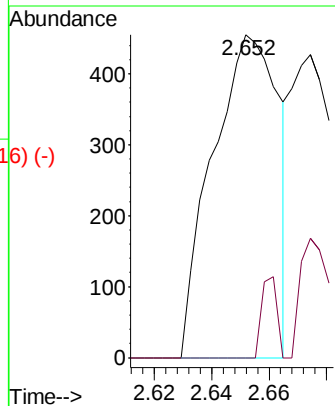
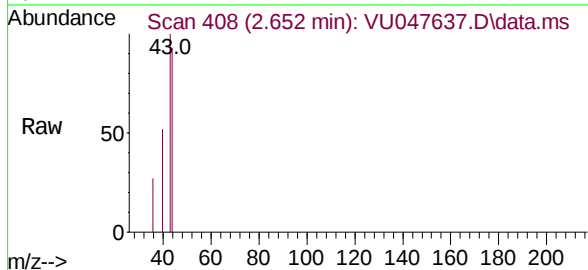
VIBLK051

Tgt Ion: 43 Resp: 723

Ion Ratio Lower Upper

43 100

58 5.9 0.0 70.0



Carbon disulfide

Concen: 4426.306 ug/L

RT: 2.803 min Scan# 455

Delta R.T. 0.003 min

Lab File: VU047637.D

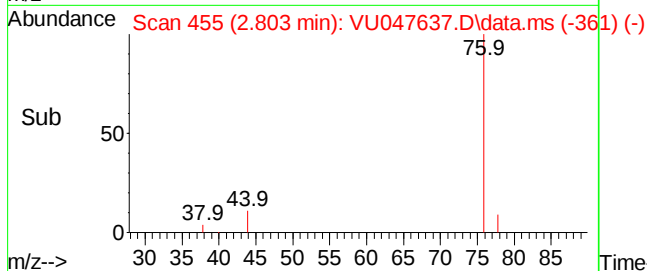
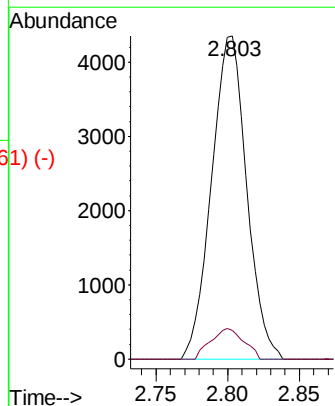
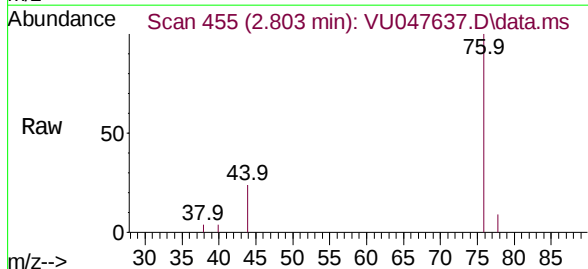
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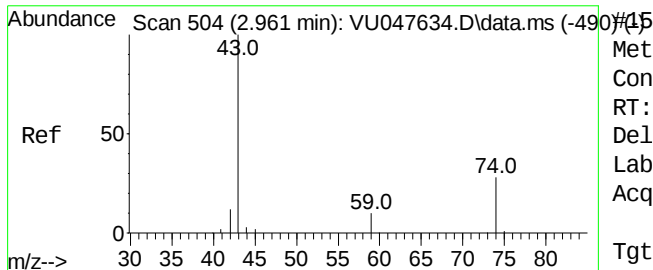
Tgt Ion: 76 Resp: 7390

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





Methyl Acetate

Concen: 604.616 ug/L

RT: 2.970 min Scan# 532

Delta R.T. 0.010 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

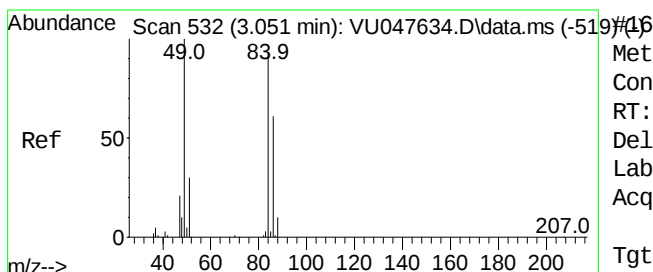
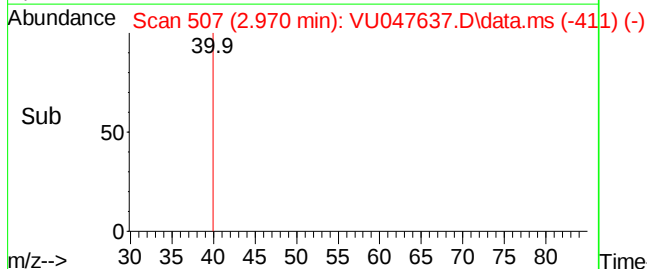
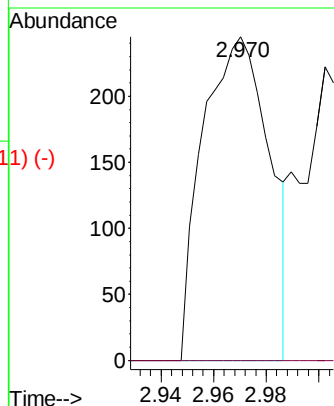
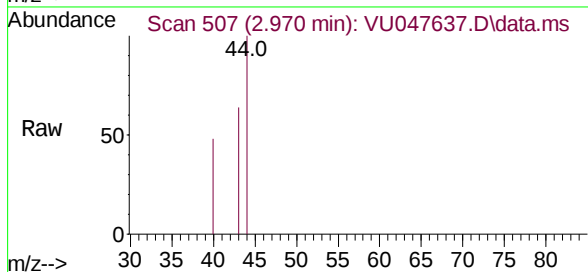
VIBLK051

Tgt Ion: 43 Resp: 430

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.2#



Methylene chloride

Concen: 1446.947 ug/L

RT: 3.051 min Scan# 532

Delta R.T. 0.000 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

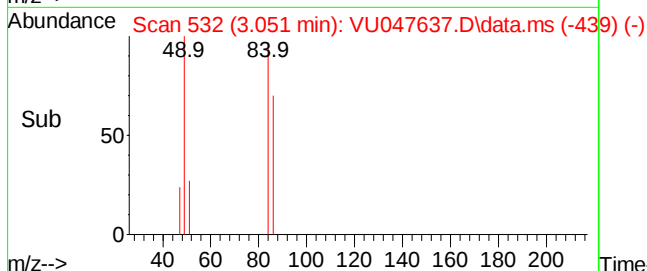
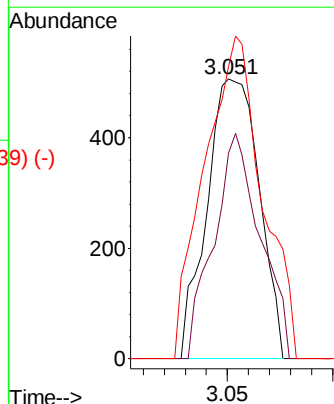
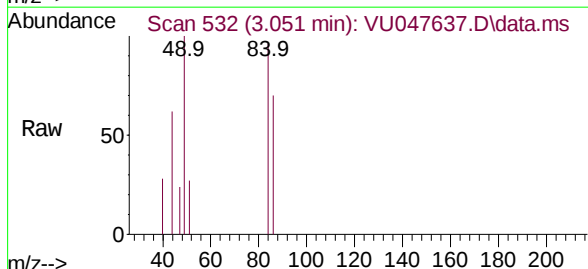
Tgt Ion: 84 Resp: 877

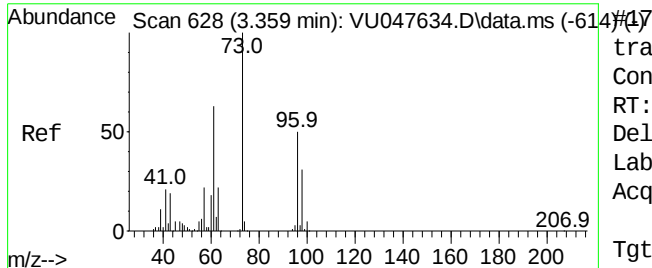
Ion Ratio Lower Upper

84 100

86 73.4 46.0 85.4

49 104.3 75.3 139.8

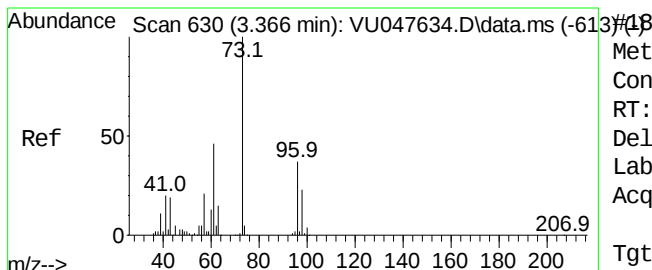
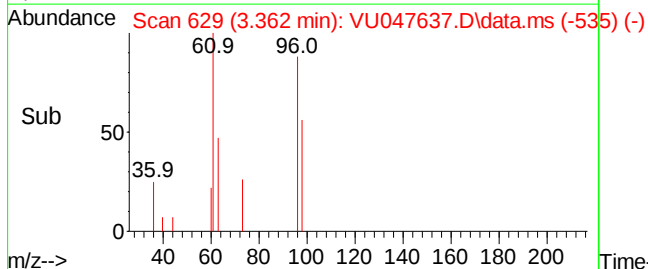
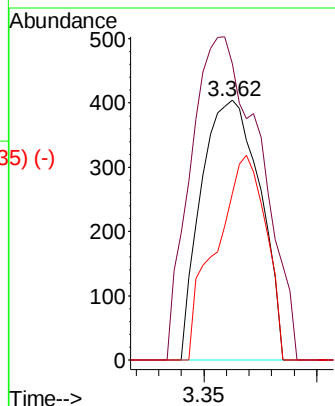
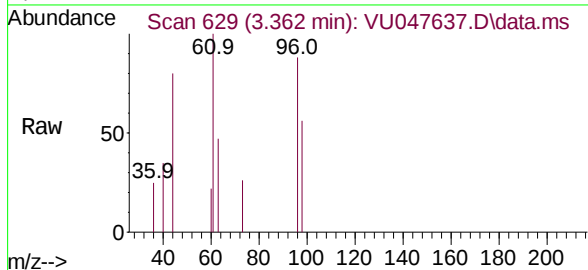




trans-1,2-Dichloroethene
Concen: 1284.880 ug/L
RT: 3.362 min Scan# 617
Delta R.T. 0.003 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

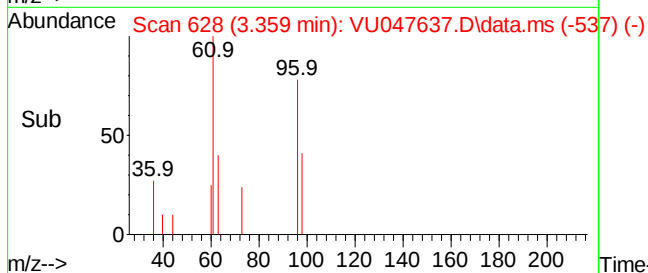
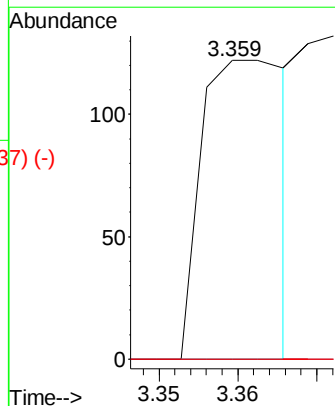
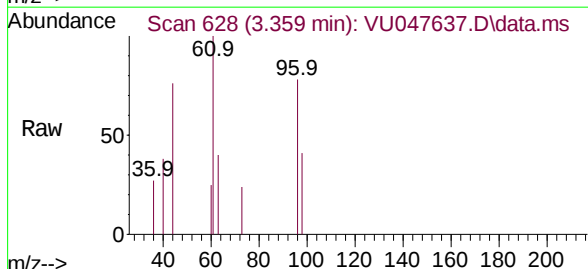
Instrument :
MSVOA_U
ClientSampleId :
VIBLK051

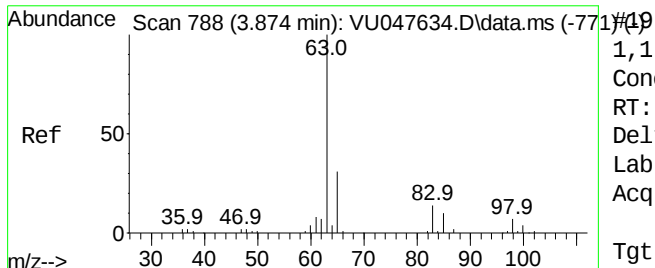
Tgt Ion:	96	Resp:	732
Ion	Ratio	Lower	Upper
96	100		
61	114.1	88.4	164.2
98	64.1	43.3	80.5



Methyl tert-butyl Ether
Concen: 56.618 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.006 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Tgt Ion:	73	Resp:	91
Ion	Ratio	Lower	Upper
73	100		
43	0.0	15.3	22.9#
57	0.0	17.0	25.6#





1,1-Dichloroethane

Concen: 198.466 ug/L

RT: 3.877 min Scan#

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

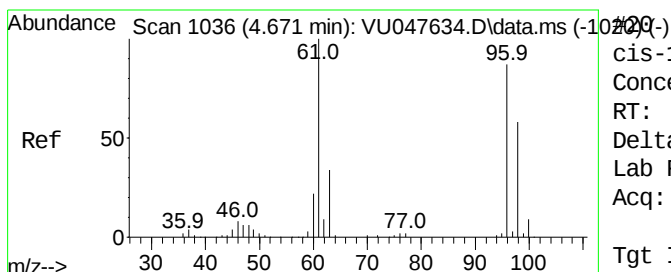
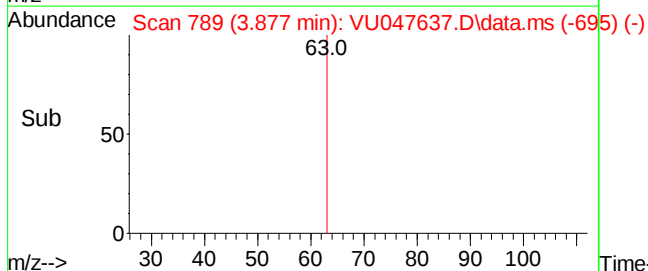
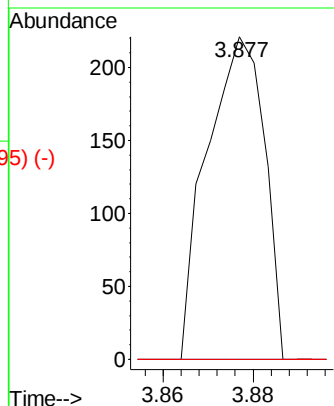
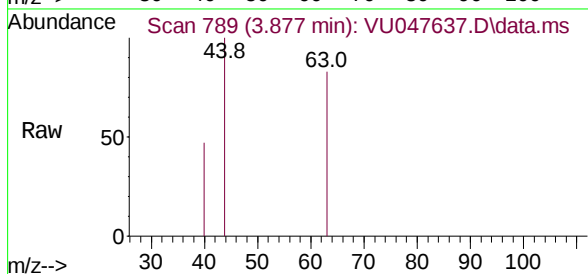
Tgt Ion: 63 Resp: 195

Ion Ratio Lower Upper

63 100

65 0.0 22.0 41.0#

83 0.0 9.7 18.1#



cis-1,2-Dichloroethene

Concen: 520.358 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

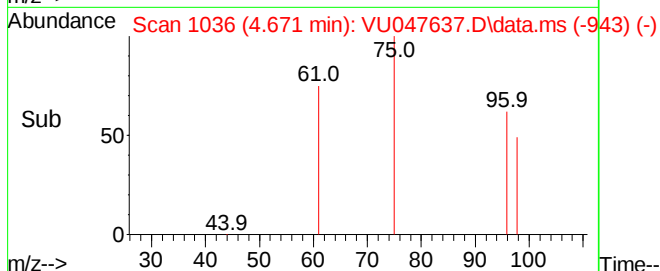
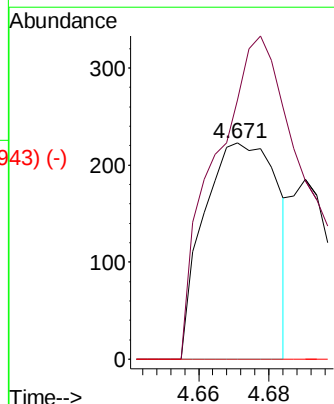
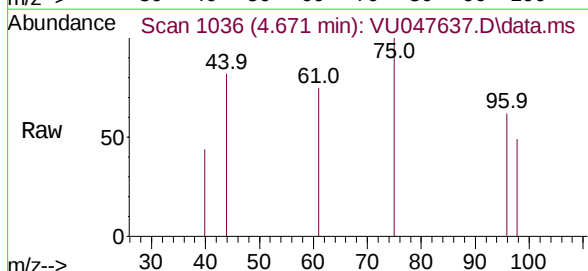
Tgt Ion: 96 Resp: 325

Ion Ratio Lower Upper

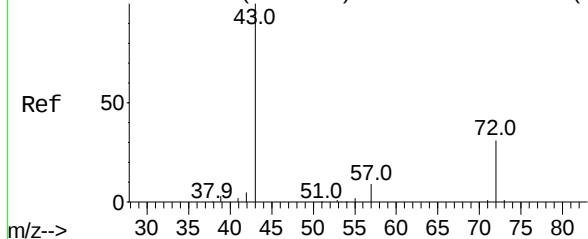
96 100

61 119.7 80.7 149.9

68 0.0 0.0 0.0



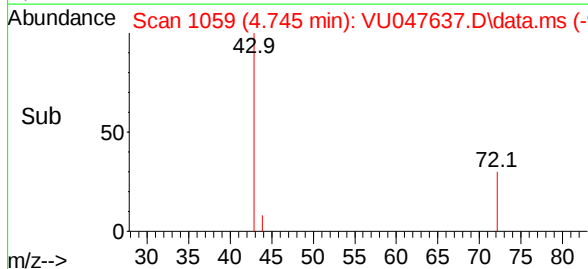
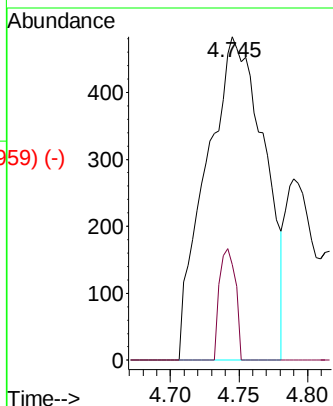
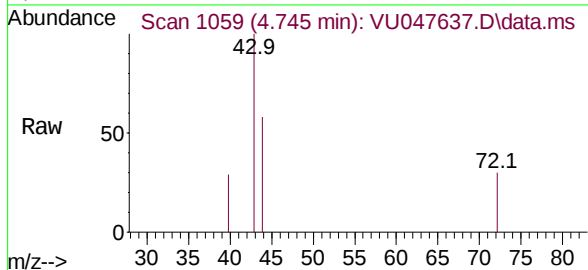
Abundance Scan 1052 (4.722 min): VU047634.D\data.ms (-1032)



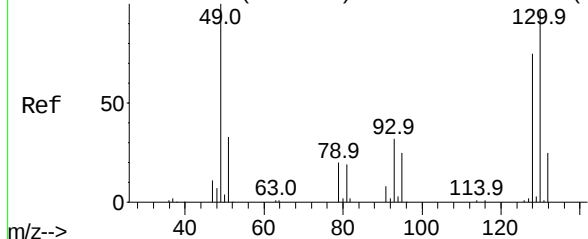
2-Butanone
Concen: 2473.336 ug/L
RT: 4.745 min Scan# 1052
Delta R.T. 0.023 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Instrument :
MSVOA_U
ClientSampleId :
VIBLK051

Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
72 9.4 16.0 47.9#

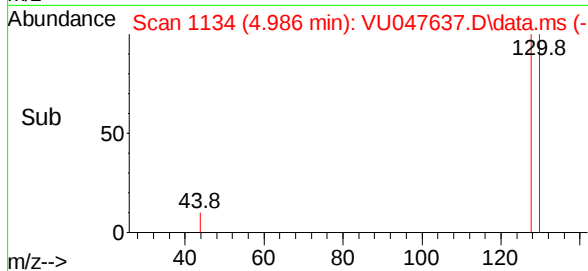
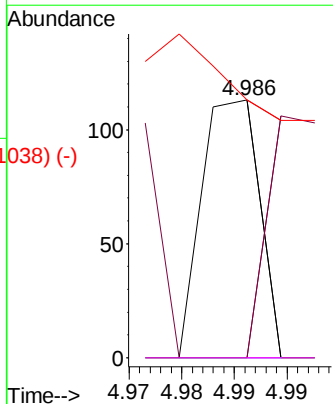
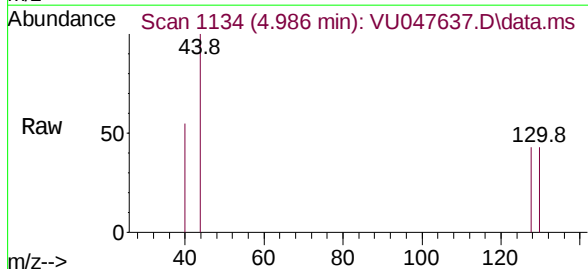


Abundance Scan 1131 (4.976 min): VU047634.D\data.ms (-1123)

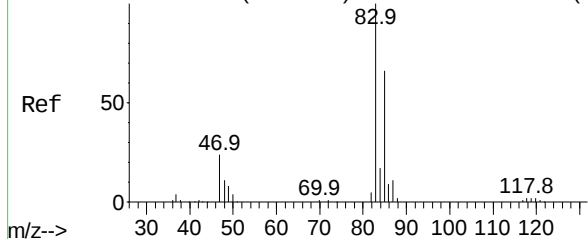


Bromochloromethane
Concen: 125.395 ug/L
RT: 4.986 min Scan# 1134
Delta R.T. 0.010 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Tgt Ion:128 Resp: 43
Ion Ratio Lower Upper
128 100
49 0.0 94.1 174.8#
130 100.0 90.2 167.4
51 0.0 35.8 53.6#



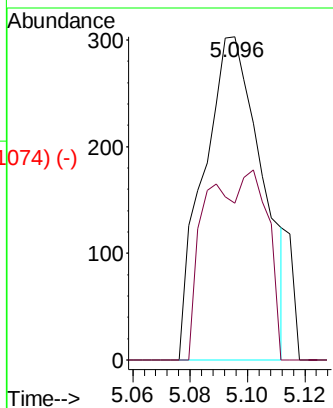
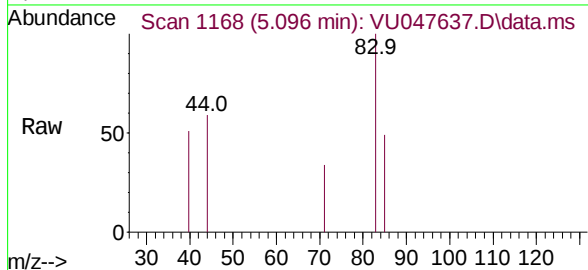
Abundance Scan 1167 (5.092 min): VU047634.D\data.ms (-11525-)



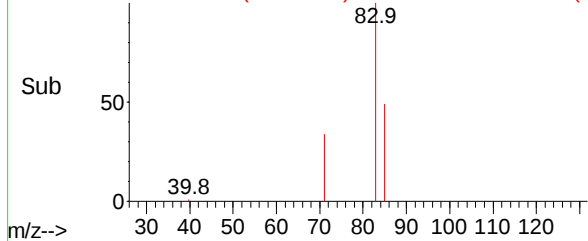
Chloroform
Concen: 406.495 ug/L
RT: 5.096 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Instrument :
MSVOA_U
ClientSampleId :
VIBLK051

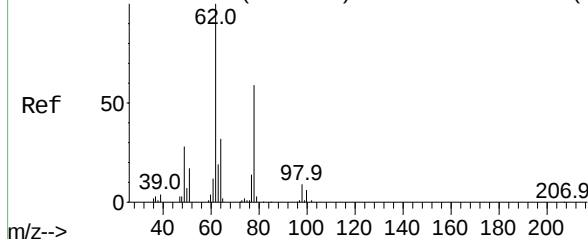
Tgt Ion: 83 Resp: 430
Ion Ratio Lower Upper
83 100
85 48.5 46.2 85.8



Abundance Scan 1168 (5.096 min): VU047637.D\data.ms (-1074-)

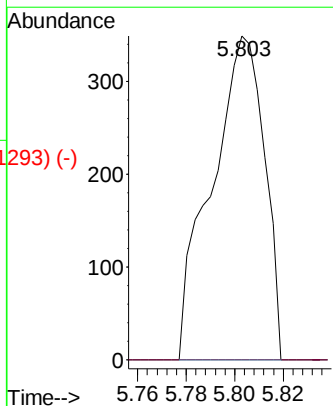
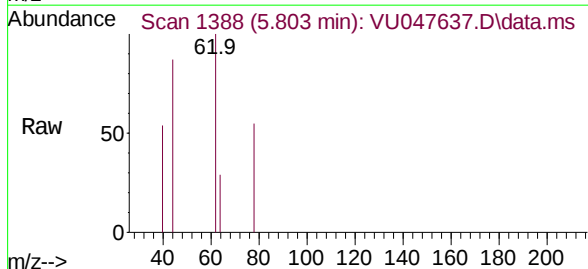


Abundance Scan 1386 (5.796 min): VU047634.D\data.ms (-13727-)

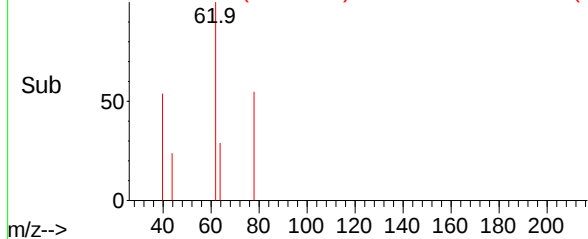


1,2-Dichloroethane
Concen: 644.834 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Tgt Ion: 62 Resp: 527
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



Abundance Scan 1388 (5.803 min): VU047637.D\data.ms (-1293-)



Abundance Scan 1261 (5.394 min): VU047634.D\data.ms (-1249-)

Cyclohexane

Concen: 20.506 ug/L

RT: 5.385 min Scan# 1261

Delta R.T. -0.010 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

69 0.0 25.4 38.2#

84 49.6 77.0 115.6#

Abundance Scan 1258 (5.385 min): VU047637.D\data.ms

Ref

56.0 84.1

m/z-->

Abundance Scan 1258 (5.385 min): VU047637.D\data.ms

Raw

43.8 84.1 206.9

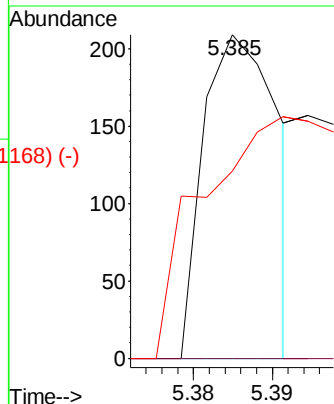
m/z-->

Abundance Scan 1258 (5.385 min): VU047637.D\data.ms (-1168-)

Sub

55.9 84.1 206.9

m/z-->



Abundance Scan 1238 (5.321 min): VU047634.D\data.ms (-1220-)

1,1,1-Trichloroethane

Concen: 5.677 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Tgt Ion: 97 Resp: 43

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

61 0.0 34.2 51.4#

Abundance Scan 1238 (5.321 min): VU047637.D\data.ms

Ref

39.9 96.9

m/z-->

Abundance Scan 1238 (5.321 min): VU047637.D\data.ms

Raw

39.9 96.9

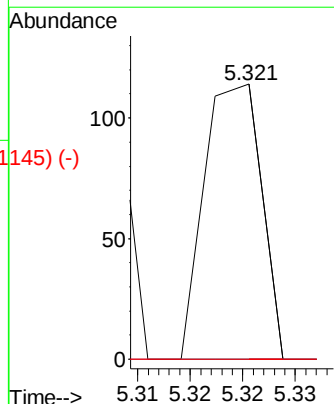
m/z-->

Abundance Scan 1238 (5.321 min): VU047637.D\data.ms (-1145-)

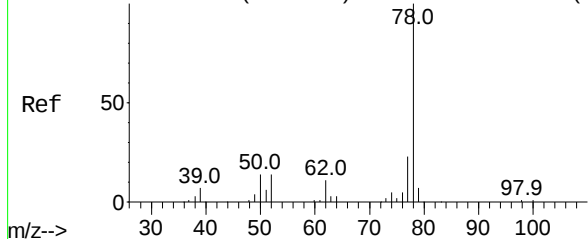
Sub

39.9 96.9

m/z-->



Abundance Scan 1380 (5.777 min): VU047634.D\data.ms (-1353)

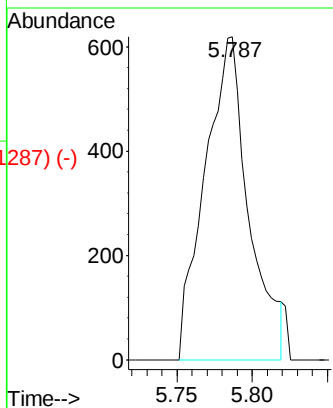
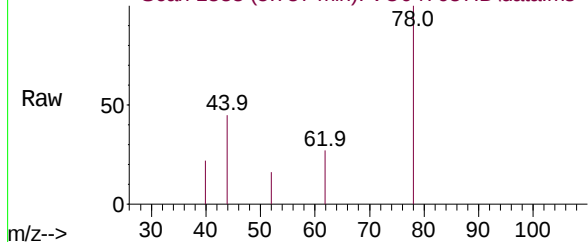


Benzene
Concen: 64.752 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.010 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

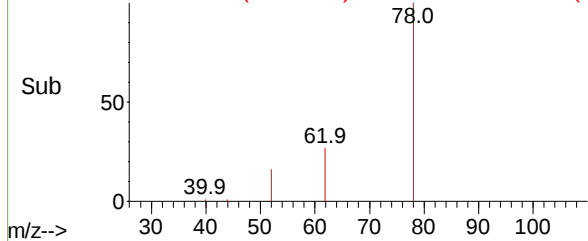
Instrument :
MSVOA_U
ClientSampleId :
VIBLK051

Tgt Ion: 78 Resp: 1252

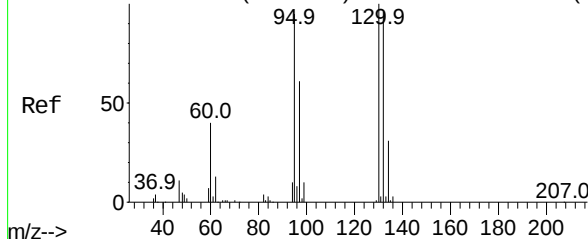
Abundance Scan 1383 (5.787 min): VU047637.D\data.ms



Abundance Scan 1383 (5.787 min): VU047637.D\data.ms (-1287) (-)



Abundance Scan 1619 (6.546 min): VU047634.D\data.ms (-1603)

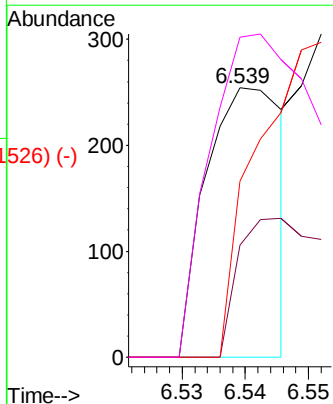
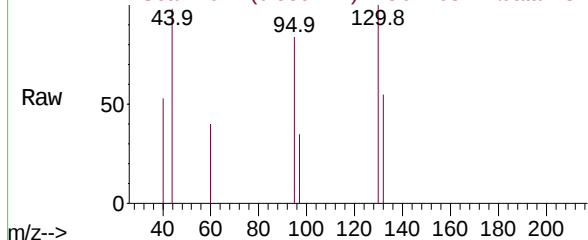


Trichloroethene
Concen: 42.216 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

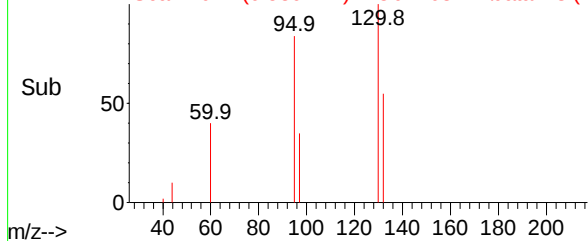
Tgt Ion: 95 Resp: 214

Ion	Ratio	Lower	Upper
95	100		
97	41.7	44.7	82.9#
132	65.4	70.4	130.8#
130	118.9	73.6	136.8

Abundance Scan 1617 (6.539 min): VU047637.D\data.ms



Abundance Scan 1617 (6.539 min): VU047637.D\data.ms (-1526) (-)



Abundance Scan 1687 (6.764 min): VU047634.D\data.ms (-16735)

Methylcyclohexane

Concen: 19.580 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.000 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

Tgt Ion: 83 Resp: 151

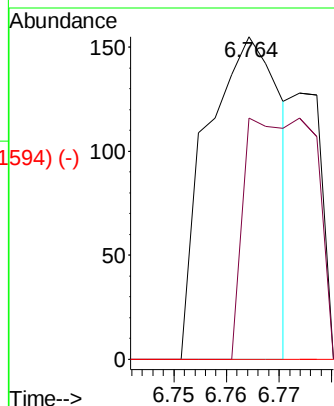
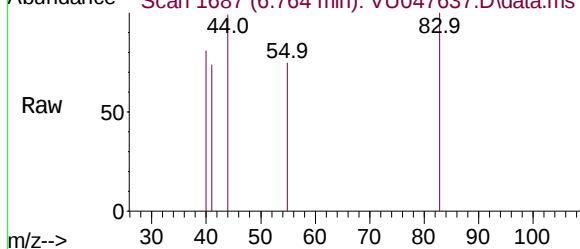
Ion Ratio Lower Upper

83 100

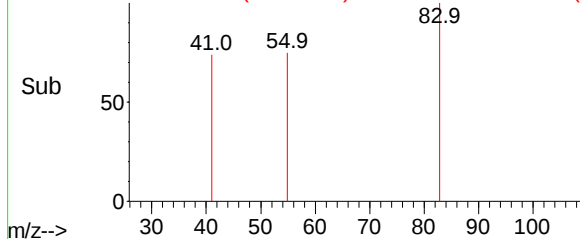
55 43.0 56.8 85.2#

98 0.0 38.1 57.1#

Abundance Scan 1687 (6.764 min): VU047637.D\data.ms



Abundance Scan 1687 (6.764 min): VU047637.D\data.ms (-1594) (-)



Abundance Scan 1696 (6.793 min): VU047634.D\data.ms (-16737)

1,2-Dichloropropane

Concen: 38.451 ug/L

RT: 6.796 min Scan# 1697

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

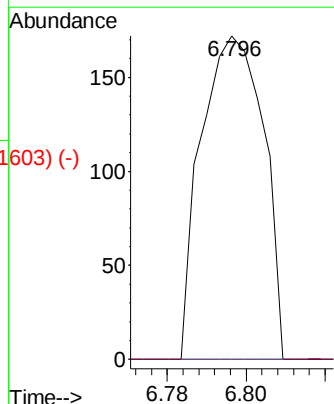
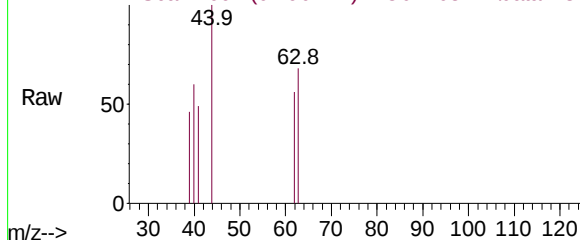
Tgt Ion: 63 Resp: 189

Ion Ratio Lower Upper

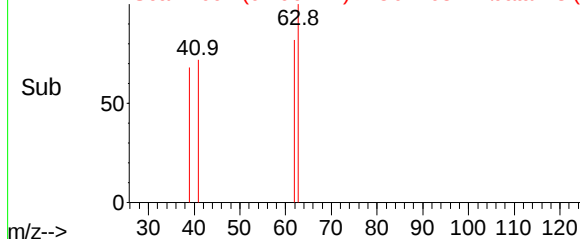
63 100

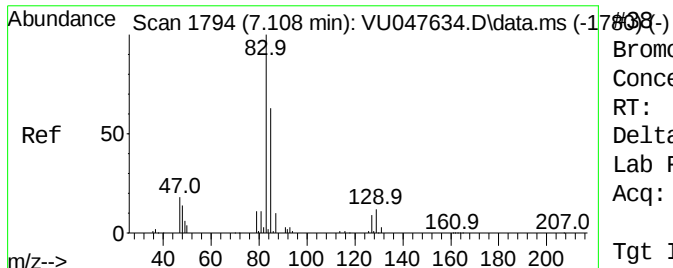
112 0.0 3.4 5.2#

Abundance Scan 1697 (6.796 min): VU047637.D\data.ms



Abundance Scan 1697 (6.796 min): VU047637.D\data.ms (-1603) (-)

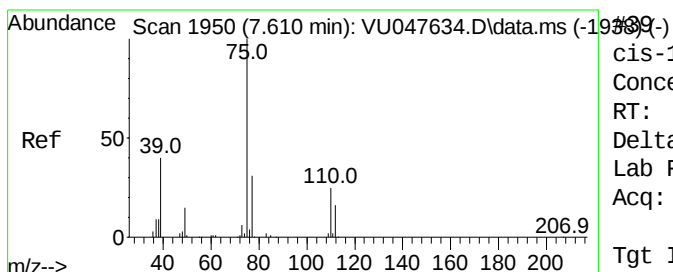
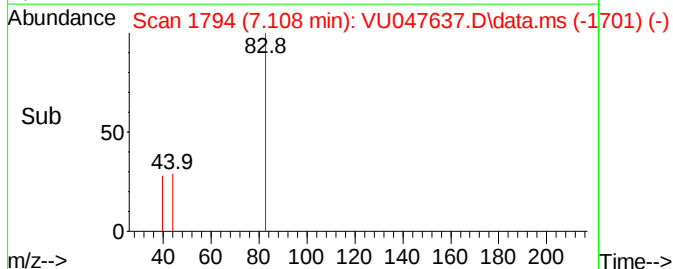
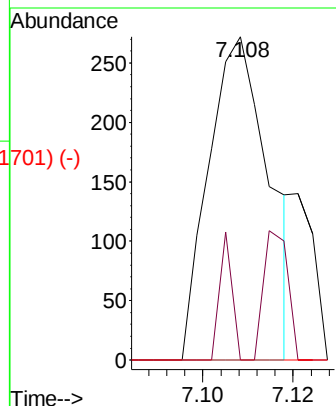
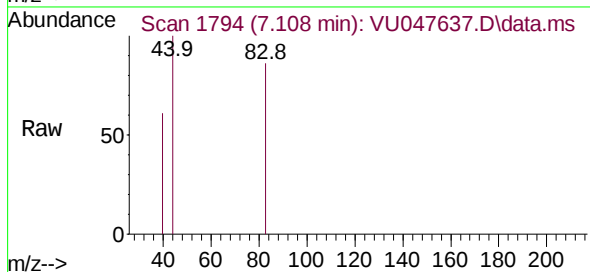




Bromodichloromethane
Concen: 37.334 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

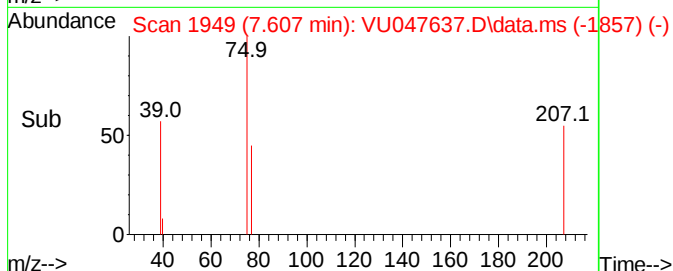
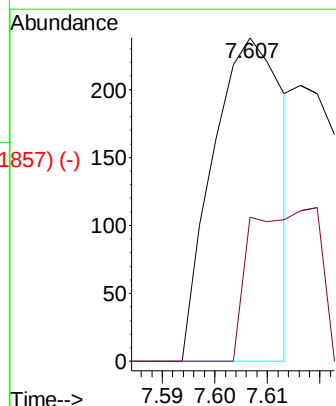
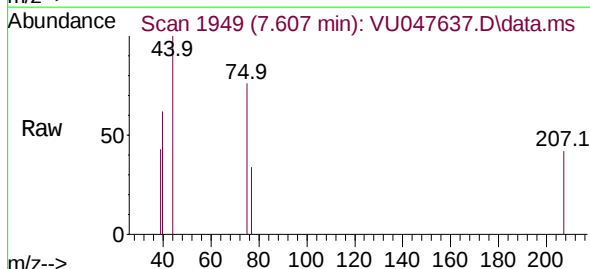
Instrument :
MSVOA_U
ClientSampleId :
VIBLK051

Tgt Ion:	83	Resp:	252
Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.4	82.4#
127	0.0	7.2	10.8#

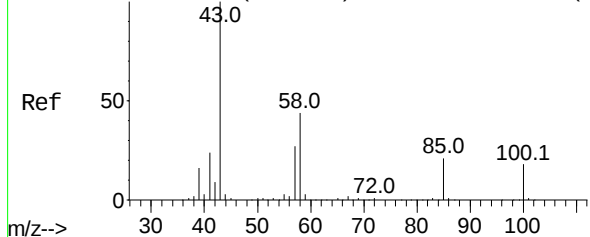


cis-1,3-Dichloropropene
Concen: 28.846 ug/L
RT: 7.607 min Scan# 1949
Delta R.T. -0.003 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Tgt Ion:	75	Resp:	220
Ion	Ratio	Lower	Upper
75	100		
77	44.5	21.8	40.6#



Abundance Scan 2007 (7.793 min): VU047634.D\data.ms (-1994)



4-Methyl-2-pentanone

Concen: 667.552 ug/L

RT: 7.806 min Scan# 1

Delta R.T. 0.013 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

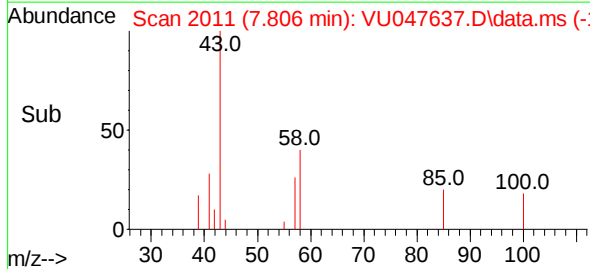
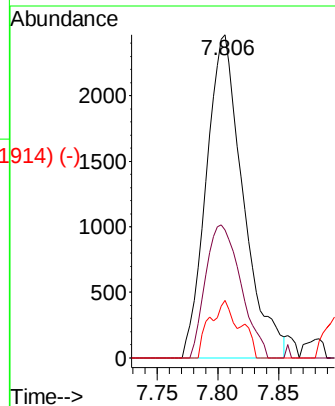
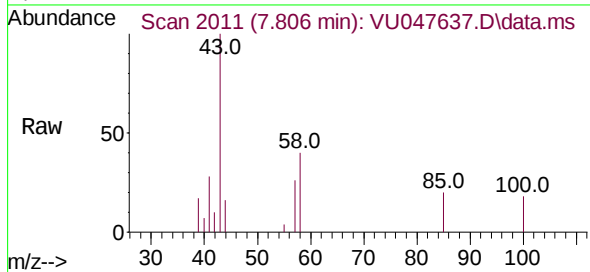
Tgt Ion: 43 Resp: 5186

Ion Ratio Lower Upper

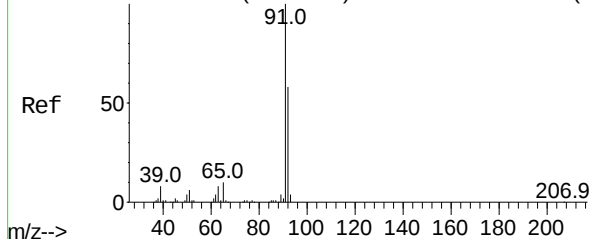
43 100

58 39.5 34.7 52.1

100 7.5 14.2 21.2#



Abundance Scan 2062 (7.970 min): VU047634.D\data.ms (-2042)



Toluene

Concen: 71.787 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047637.D

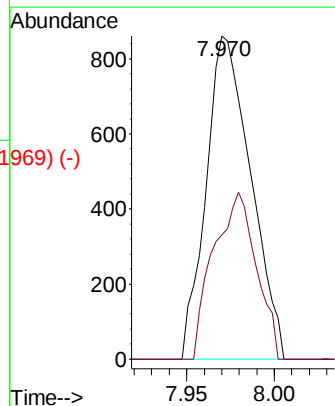
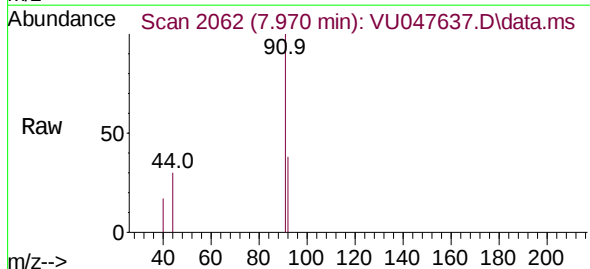
Acq: 24 Mar 2022 15:28

Tgt Ion: 91 Resp: 1523

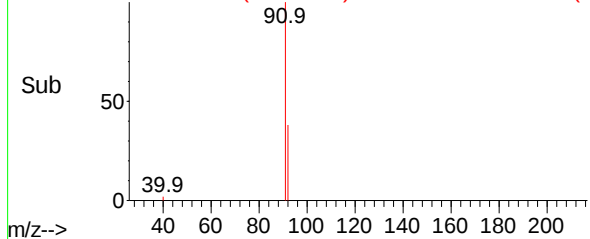
Ion Ratio Lower Upper

91 100

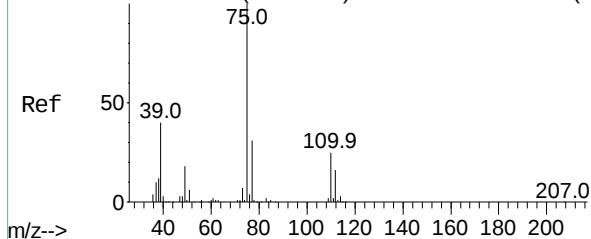
92 38.4 40.4 75.0#



Abundance Scan 2062 (7.970 min): VU047637.D\data.ms (-1969) (-)



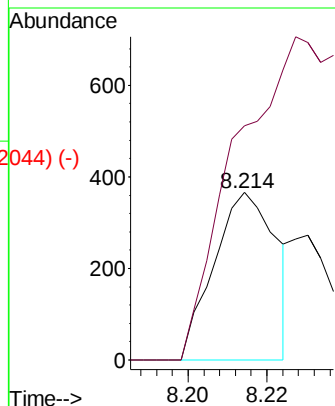
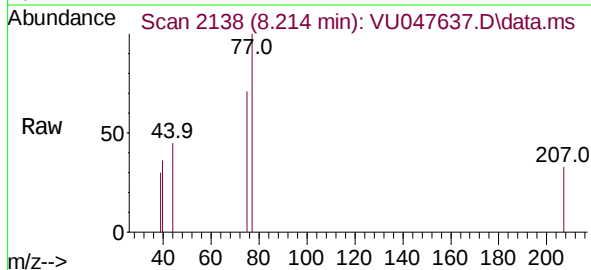
Abundance Scan 2137 (8.211 min): VU047634.D\data.ms (-21194-)



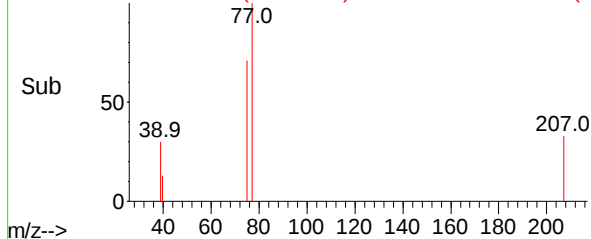
trans-1,3-Dichloropropene
Concen: 52.528 ug/L
RT: 8.214 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Instrument :
MSVOA_U
ClientSampleId :
VIBLK051

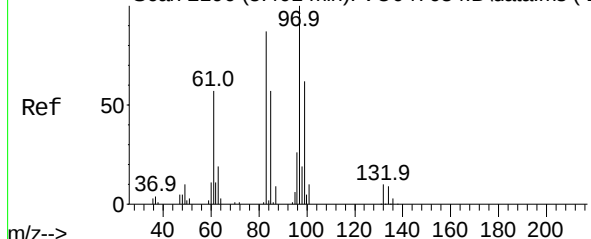
Tgt Ion: 75 Resp: 400
Ion Ratio Lower Upper
75 100
77 139.9 22.0 40.8#



Abundance Scan 2138 (8.214 min): VU047637.D\data.ms (-2044-)

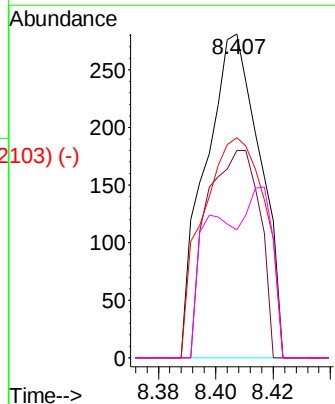
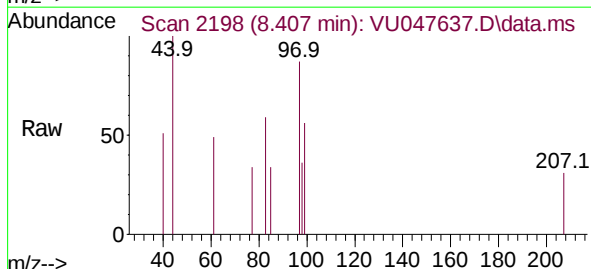


Abundance Scan 2196 (8.401 min): VU047634.D\data.ms (-21194-)

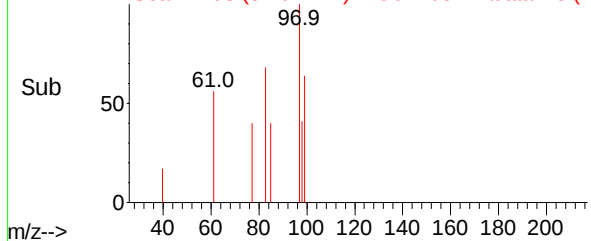


1,1,2-Trichloroethane
Concen: 71.743 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. 0.006 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

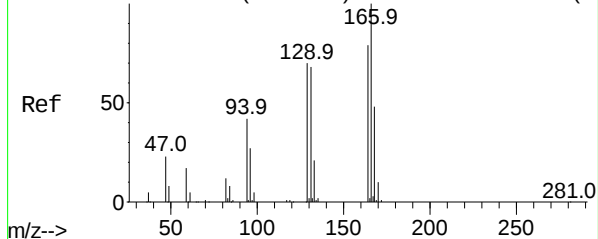
Tgt Ion: 97 Resp: 374
Ion Ratio Lower Upper
97 100
99 64.1 43.3 80.3
83 68.0 61.0 113.4
85 39.5 39.6 73.6#



Abundance Scan 2198 (8.407 min): VU047637.D\data.ms (-2103-)



Abundance Scan 2243 (8.552 min): VU047634.D\data.ms (-22319-)



Tetrachloroethene

Concen: 51.588 ug/L

RT: 8.555 min Scan# 2243

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

Tgt Ion:164 Resp: 235

Ion Ratio Lower Upper

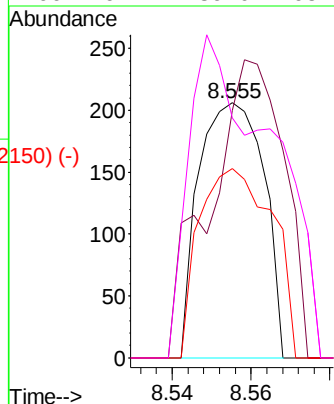
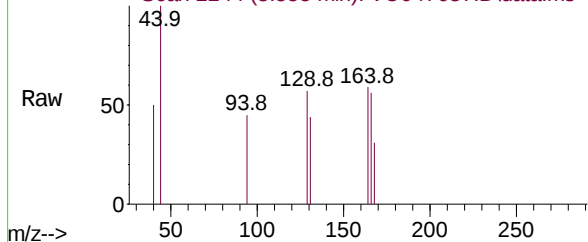
164 100

129 97.1 62.4 116.0

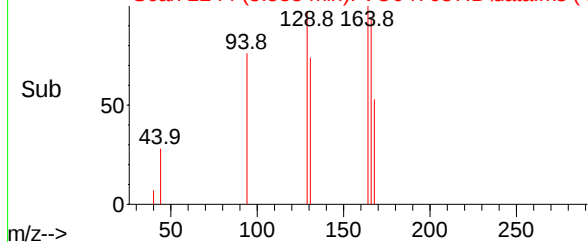
131 74.3 60.7 112.7

166 94.2 89.0 165.4

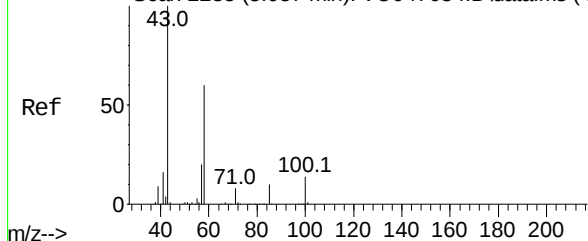
Abundance Scan 2244 (8.555 min): VU047637.D\data.ms



Abundance Scan 2244 (8.555 min): VU047637.D\data.ms (-2150-)



Abundance Scan 2285 (8.687 min): VU047634.D\data.ms (-22759-)



2-Hexanone

Concen: 1511.112 ug/L

RT: 8.693 min Scan# 2287

Delta R.T. 0.006 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Tgt Ion: 43 Resp: 10098

Ion Ratio Lower Upper

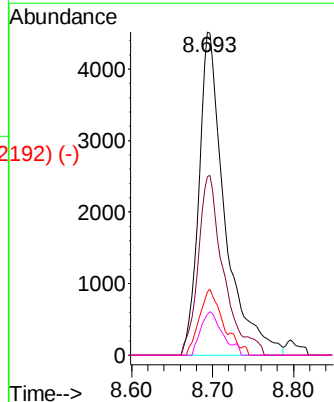
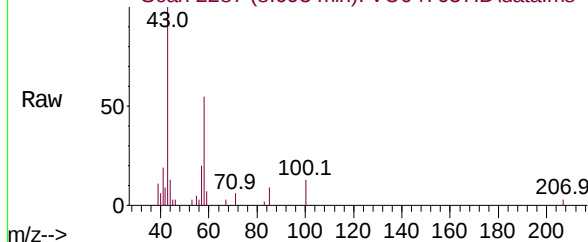
43 100

58 51.7 48.1 72.1

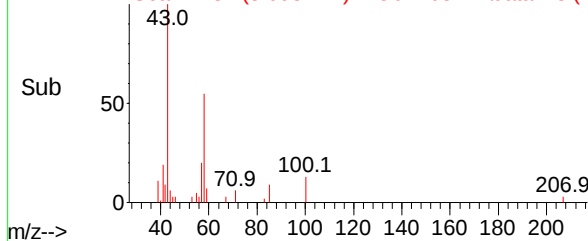
57 16.6 16.2 24.4

100 10.5 11.2 16.8#

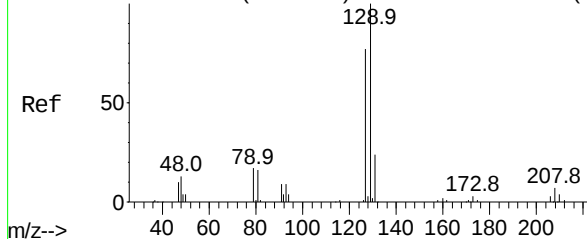
Abundance Scan 2287 (8.693 min): VU047637.D\data.ms



Abundance Scan 2287 (8.693 min): VU047637.D\data.ms (-2192-)



Abundance Scan 2323 (8.809 min): VU047634.D\data.ms (-2319-)



Dibromochloromethane

Concen: 68.235 ug/L

RT: 8.812 min Scan# 2323

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

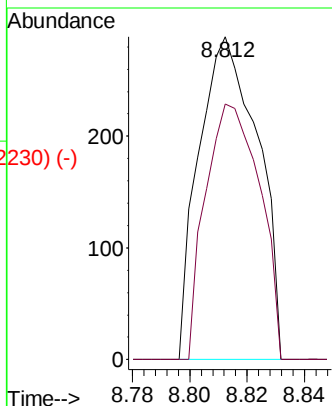
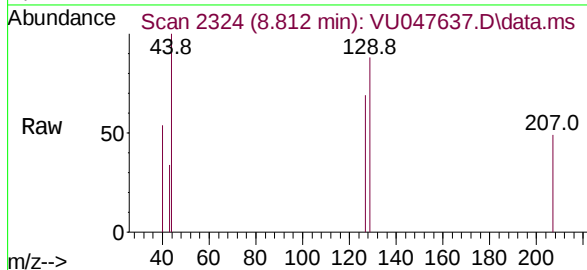
VIBLK051

Tgt Ion:129 Resp: 412

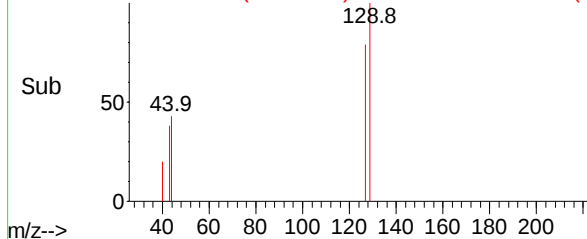
Ion Ratio Lower Upper

129 100

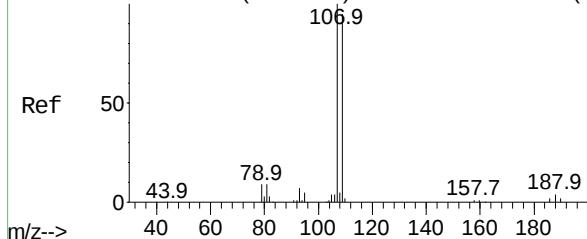
127 79.2 54.2 100.6



Abundance Scan 2324 (8.812 min): VU047637.D\data.ms (-2230-)



Abundance Scan 2359 (8.925 min): VU047634.D\data.ms (-2345-)



1,2-Dibromoethane

Concen: 53.899 ug/L

RT: 8.922 min Scan# 2358

Delta R.T. -0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

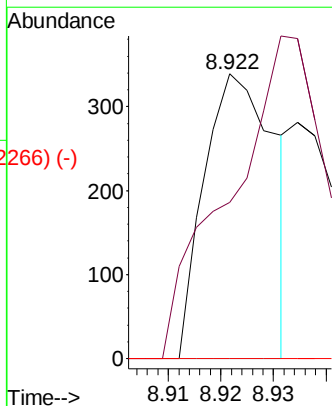
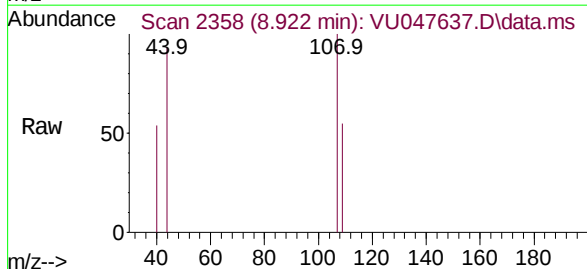
Tgt Ion:107 Resp: 315

Ion Ratio Lower Upper

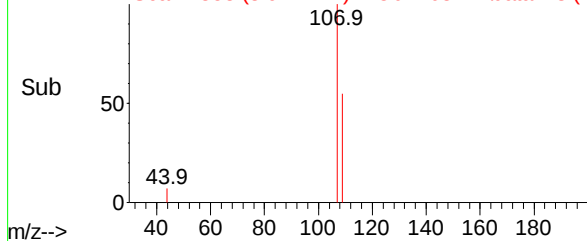
107 100

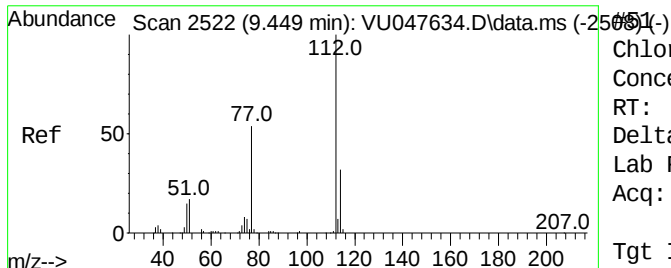
109 54.9 66.6 123.6#

188 0.0 3.4 5.2#



Abundance Scan 2358 (8.922 min): VU047637.D\data.ms (-2266-)





#51-

Chlorobenzene

Concen: 123.775 ug/L

RT: 9.452 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

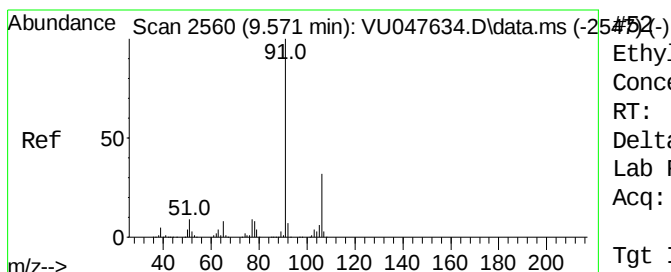
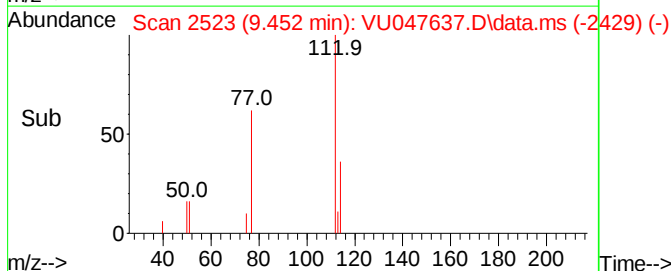
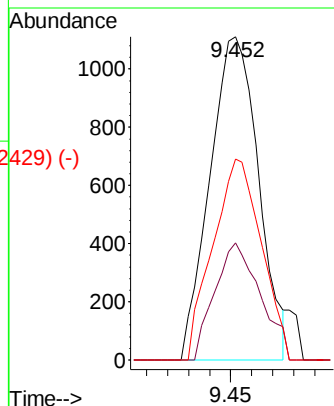
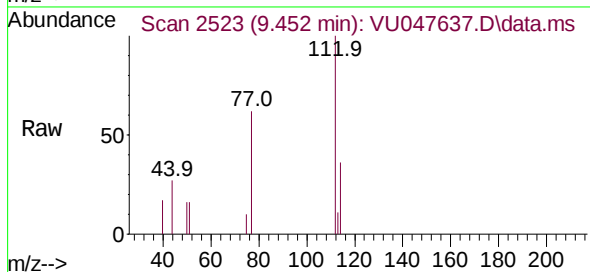
Tgt Ion:112 Resp: 1783

Ion Ratio Lower Upper

112 100

114 36.2 22.1 41.1

77 62.1 43.4 65.0



#52-

Ethylbenzene

Concen: 97.322 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU047637.D

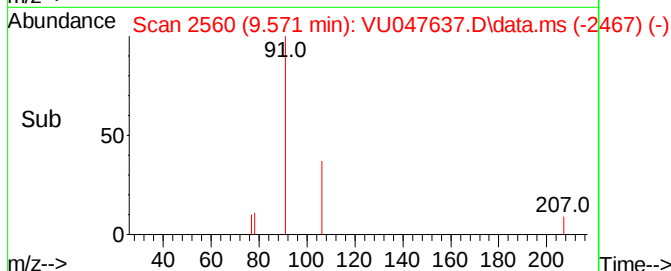
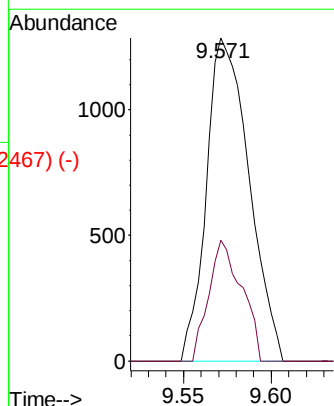
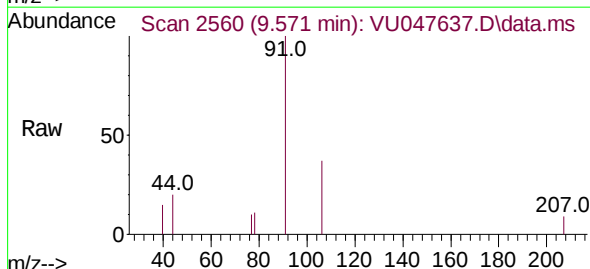
Acq: 24 Mar 2022 15:28

Tgt Ion: 91 Resp: 2171

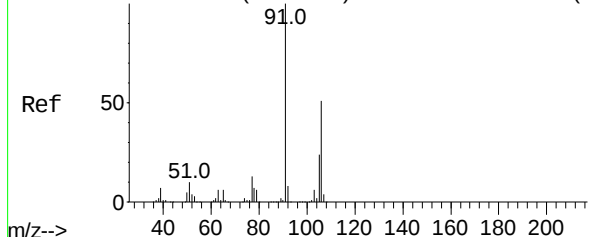
Ion Ratio Lower Upper

91 100

106 37.4 22.4 41.6



Abundance Scan 2598 (9.693 min): VU047634.D\data.ms (-2553-)



m,p-Xylene

Concen: 90.483 ug/L

RT: 9.697 min Scan# 2598

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

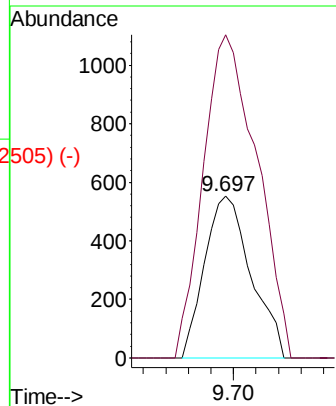
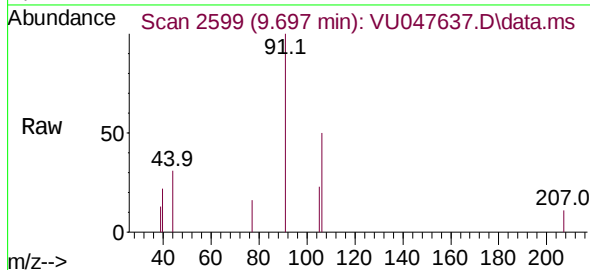
VIBLK051

Tgt Ion:106 Resp: 792

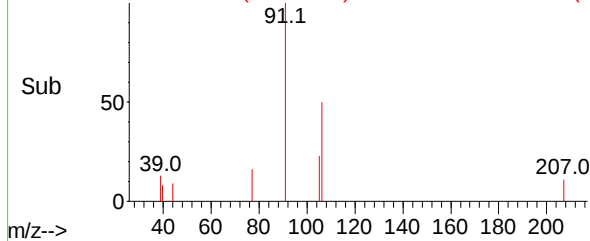
Ion Ratio Lower Upper

106 100

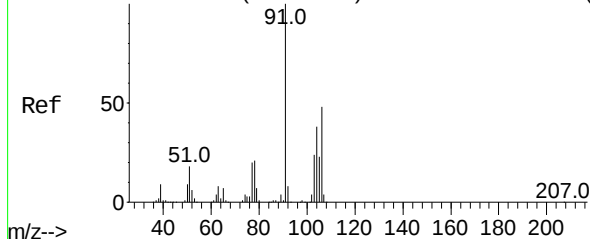
91 199.6 137.7 255.7



Abundance Scan 2599 (9.697 min): VU047637.D\data.ms (-2505-)



Abundance Scan 2725 (10.102 min): VU047634.D\data.ms (-2754-)



o-Xylene

Concen: 81.948 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. 0.003 min

Lab File: VU047637.D

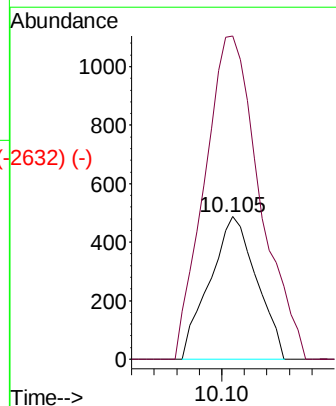
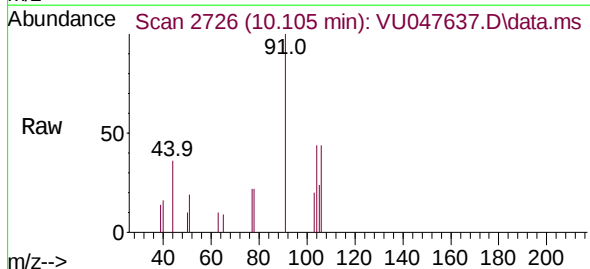
Acq: 24 Mar 2022 15:28

Tgt Ion:106 Resp: 704

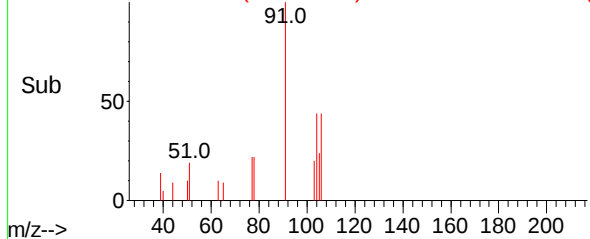
Ion Ratio Lower Upper

106 100

91 226.9 146.7 272.5



Abundance Scan 2726 (10.105 min): VU047637.D\data.ms (-2632-)



Abundance Scan 2729 (10.115 min): VU047634.D\data.ms (-2755) (-)

Styrene

Concen: 140.654 ug/L

RT: 10.118 min Scan# 2755

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

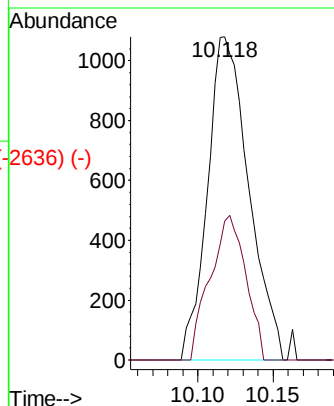
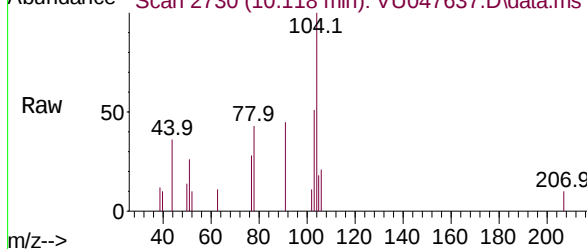
Tgt Ion:104 Resp: 2063

Ion Ratio Lower Upper

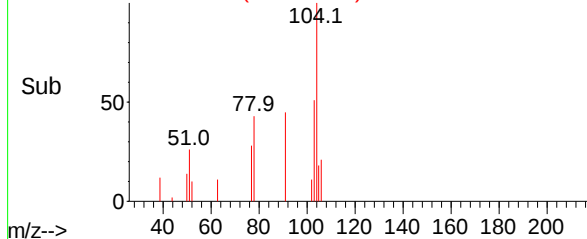
104 100

78 43.0 30.4 56.4

Abundance Scan 2730 (10.118 min): VU047637.D\data.ms



Abundance Scan 2730 (10.118 min): VU047637.D\data.ms (-2636) (-)



Abundance Scan 2937 (10.783 min): VU047634.D\data.ms (-2953) (-)

1,1,2,2-Tetrachloroethane

Concen: 203.723 ug/L

RT: 10.787 min Scan# 2938

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Tgt Ion: 83 Resp: 1991

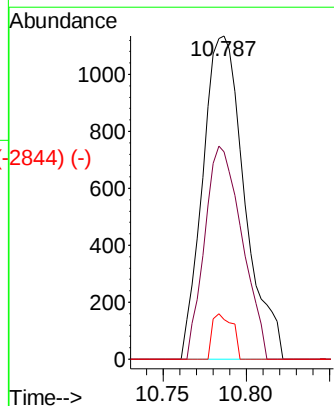
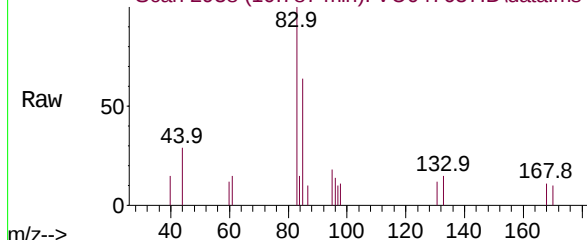
Ion Ratio Lower Upper

83 100

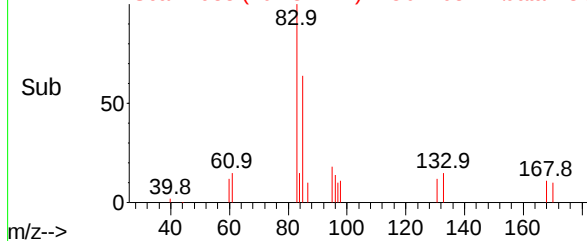
85 64.2 44.9 83.3

131 12.2 8.6 13.0

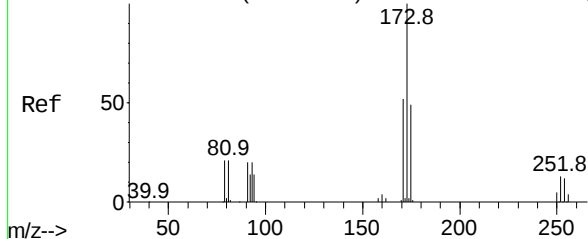
Abundance Scan 2938 (10.787 min): VU047637.D\data.ms



Abundance Scan 2938 (10.787 min): VU047637.D\data.ms (-2844) (-)



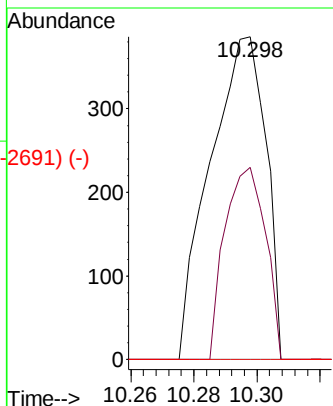
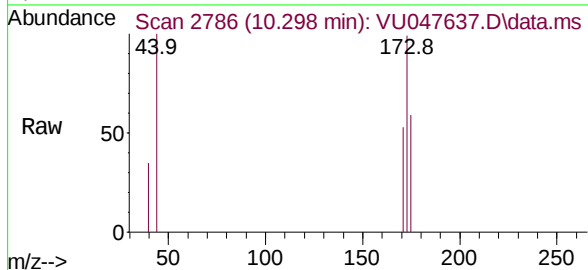
Abundance Scan 2784 (10.291 min): VU047634.D\data.ms (-2759) (-)



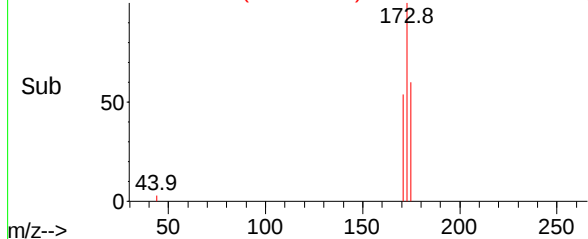
Bromoform
Concen: 30.231 ug/L
RT: 10.298 min Scan# 2759
Delta R.T. 0.006 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Instrument :
MSVOA_U
ClientSampleId :
VIBLK051

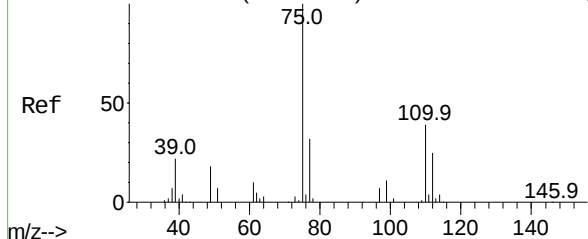
Tgt Ion:173 Resp: 472
Ion Ratio Lower Upper
173 100
175 43.6 38.7 58.1
254 0.0 9.6 14.4#



Abundance Scan 2786 (10.298 min): VU047637.D\data.ms (-2691) (-)

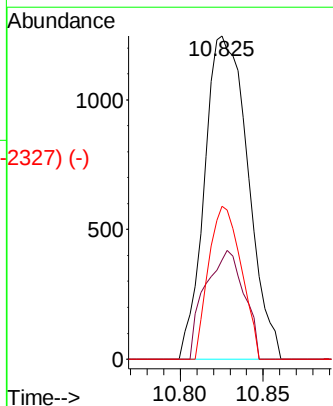
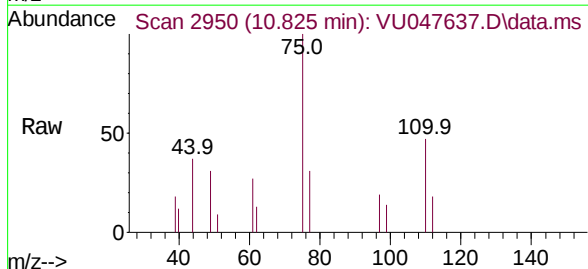


Abundance Scan 2949 (10.822 min): VU047634.D\data.ms (-2950) (-)

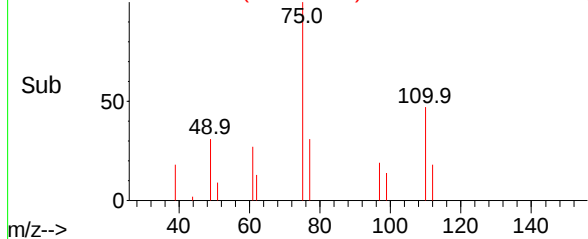


1,2,3-Trichloropropane
Concen: 98.271 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

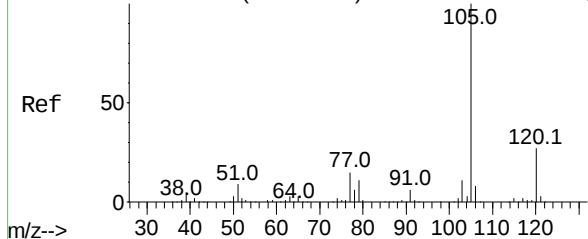
Tgt Ion: 75 Resp: 2262
Ion Ratio Lower Upper
75 100
77 30.1 26.0 39.0
110 35.6 31.4 47.2



Abundance Scan 2950 (10.825 min): VU047637.D\data.ms (-2327) (-)



Abundance Scan 2844 (10.484 min): VU047634.D\data.ms (-2850) (-)



Isopropylbenzene

Concen: 42.841 ug/L

RT: 10.488 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

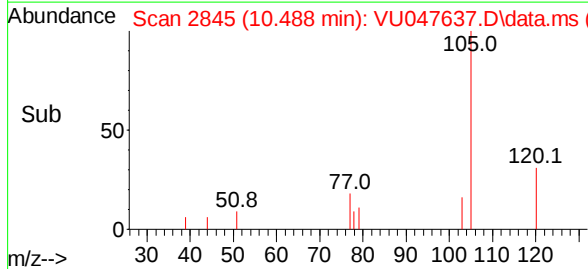
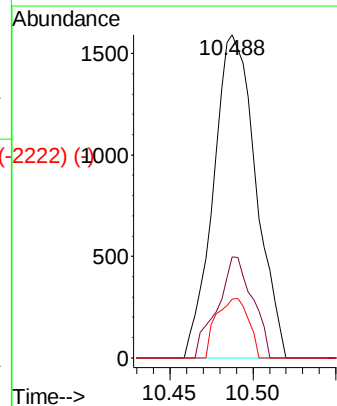
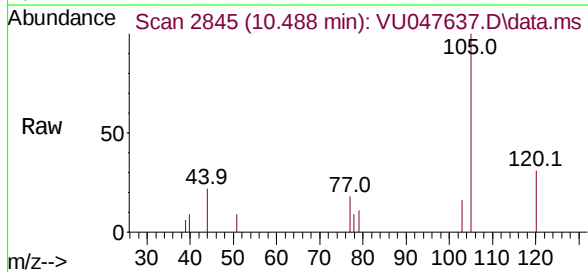
Tgt Ion:105 Resp: 2827

Ion Ratio Lower Upper

105 100

120 25.8 21.9 32.9

77 13.8 12.1 18.1



1,3,5-Trimethylbenzene

Concen: 52.871 ug/L

RT: 11.092 min Scan# 3033

Delta R.T. 0.003 min

Lab File: VU047637.D

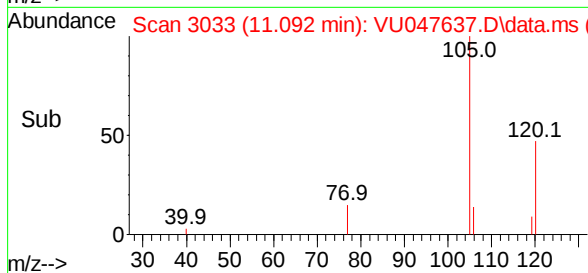
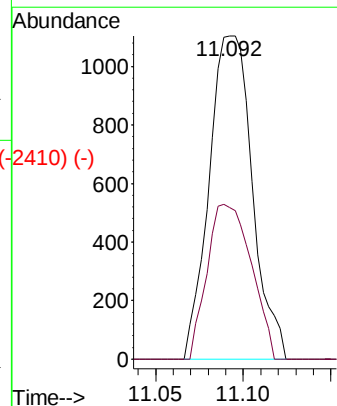
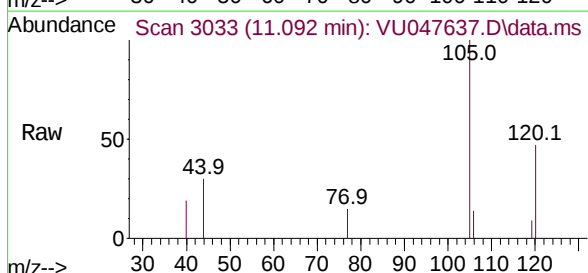
Acq: 24 Mar 2022 15:28

Tgt Ion:105 Resp: 1893

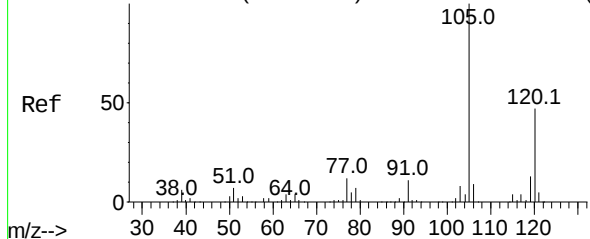
Ion Ratio Lower Upper

105 100

120 48.9 40.8 61.2



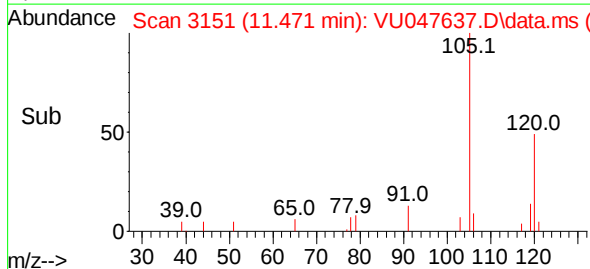
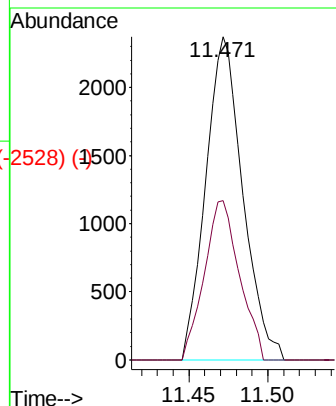
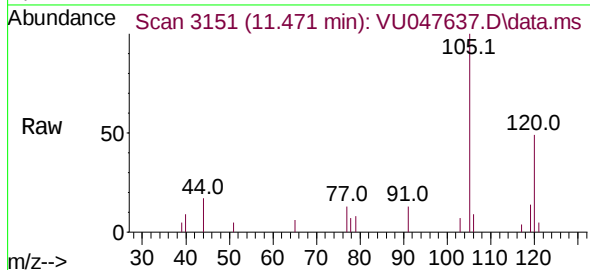
Abundance Scan 3150 (11.468 min): VU047634.D\data.ms (-3150) (-)



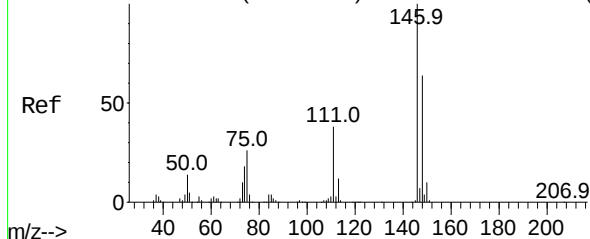
1,2,4-Trimethylbenzene
Concen: 71.232 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Instrument :
MSVOA_U
ClientSampleId :
VIBLK051

Tgt Ion:105 Resp: 3874
Ion Ratio Lower Upper
105 100
120 46.7 37.6 56.4

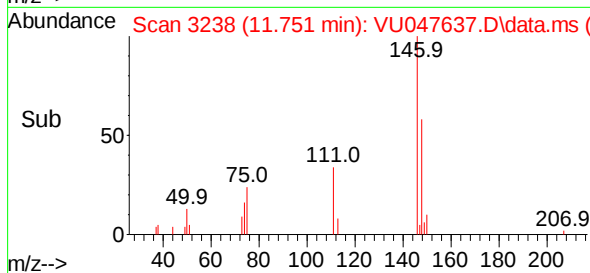
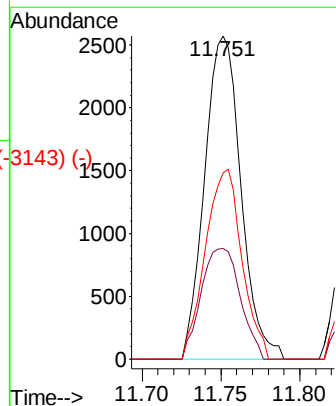
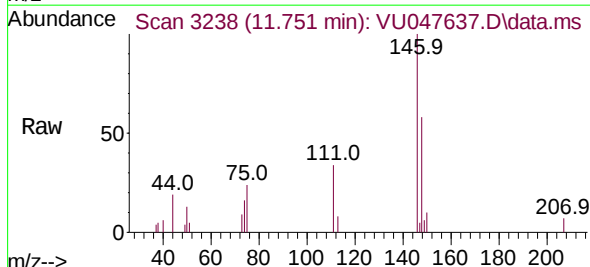


Abundance Scan 3236 (11.745 min): VU047634.D\data.ms (-3236) (-)

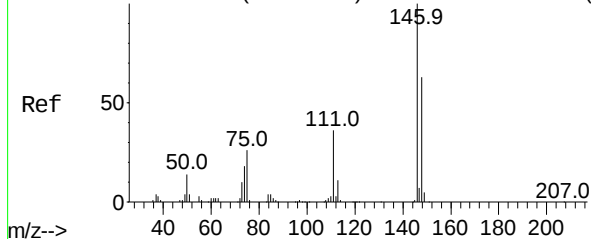


1,3-Dichlorobenzene
Concen: 112.356 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.006 min
Lab File: VU047637.D
Acq: 24 Mar 2022 15:28

Tgt Ion:146 Resp: 4121
Ion Ratio Lower Upper
146 100
111 34.2 26.7 49.7
148 63.8 44.4 82.5



Abundance Scan 3264 (11.835 min): VU047634.D\data.ms (-3265)



1,4-Dichlorobenzene

Concen: 117.265 ug/L

RT: 11.841 min Scan#

Delta R.T. 0.006 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

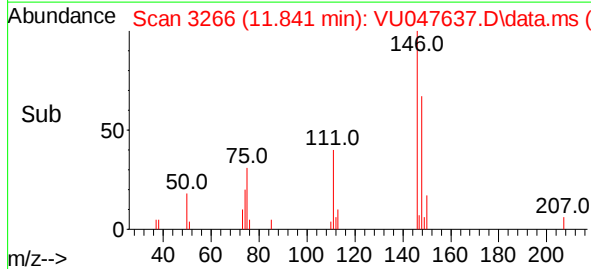
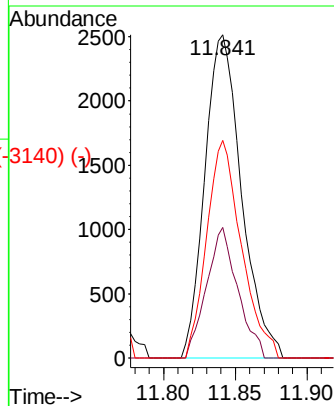
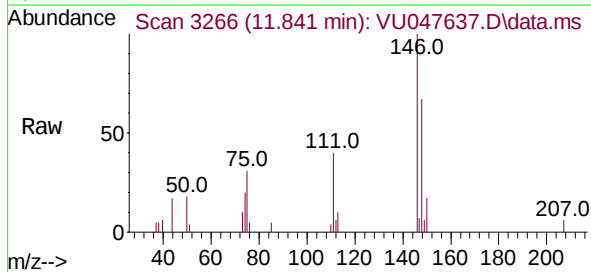
Tgt Ion:146 Resp: 4455

Ion Ratio Lower Upper

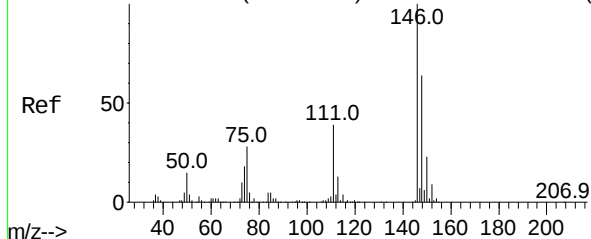
146 100

111 37.5 25.3 47.1

148 62.7 44.5 82.7



Abundance Scan 3381 (12.211 min): VU047634.D\data.ms (-3382)



1,2-Dichlorobenzene

Concen: 121.963 ug/L

RT: 12.217 min Scan# 3383

Delta R.T. 0.006 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

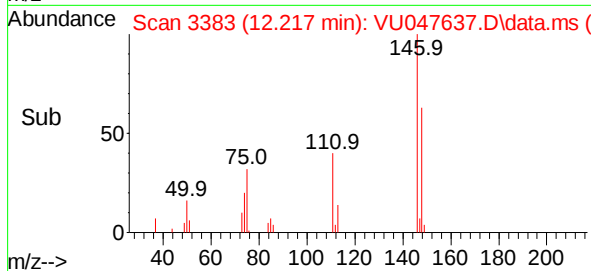
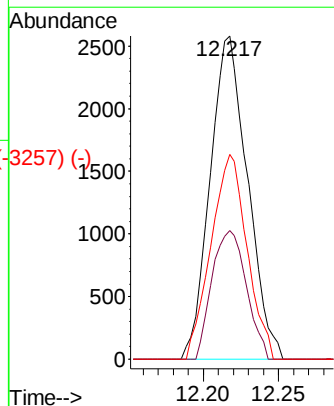
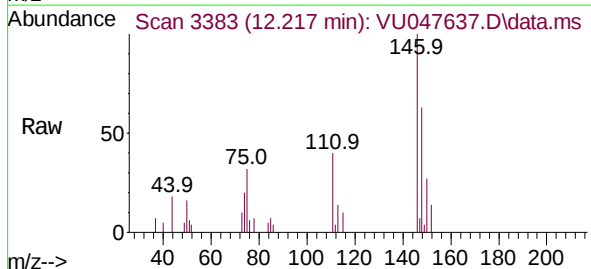
Tgt Ion:146 Resp: 4476

Ion Ratio Lower Upper

146 100

111 39.8 31.7 47.5

148 63.4 51.4 77.2



Abundance Scan 3625 (12.995 min): VU047634.D\data.ms (-3659) (-)

1,2-Dibromo-3-chloropropane

Concen: 211.850 ug/L

RT: 12.999 min Scan# 3659

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

Tgt Ion: 75 Resp: 1562

Ion Ratio Lower Upper

75 100

155 91.2 78.9 118.3

157 136.5 97.5 146.3

Abundance Scan 3626 (12.999 min): VU047637.D\data.ms

Ref

50

39.0 75.0 118.9 156.9 186.8 235.8

m/z-->

40 60 80 100 120 140 160 180 200 220 240

Abundance Scan 3626 (12.999 min): VU047637.D\data.ms

Raw

50

44.0 74.9 118.7 156.9 207.0

m/z-->

40 60 80 100 120 140 160 180 200 220 240

Abundance Scan 3626 (12.999 min): VU047637.D\data.ms (-3501) (-)

Sub

50

38.9 74.9 118.7 156.9 207.0

m/z-->

40 60 80 100 120 140 160 180 200 220 240

Abundance

1000

12.999

500

0

Time-->

12.95 13.00 13.05

Abundance Scan 3694 (13.217 min): VU047634.D\data.ms (-3689) (-)

1,3,5-Trichlorobenzene

Concen: 197.059 ug/L

RT: 13.224 min Scan# 3696

Delta R.T. 0.006 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Tgt Ion:180 Resp: 5870

Ion Ratio Lower Upper

180 100

182 103.1 77.0 115.6

184 32.7 24.5 36.7

145 28.1 21.0 31.6

Abundance Scan 3696 (13.224 min): VU047637.D\data.ms

Ref

50

43.9 74.0 108.9 144.9 179.9 207.2

m/z-->

40 60 80 100 120 140 160 180 200

Abundance Scan 3696 (13.224 min): VU047637.D\data.ms

Raw

50

43.9 74.0 108.9 144.9 179.9 207.2

m/z-->

40 60 80 100 120 140 160 180 200

Abundance Scan 3696 (13.224 min): VU047637.D\data.ms (-3072) (-)

Sub

50

49.9 74.0 108.9 144.9 179.9 207.2

m/z-->

40 60 80 100 120 140 160 180 200

Abundance

3000

13.224

2000

1000

0

Time-->

13.20 13.25

Abundance Scan 3888 (13.841 min): VU047634.D\data.ms (-3879) (-)

1,2,4-trichlorobenzene

Concen: 423.474 ug/L

RT: 13.841 min Scan# 3879

Delta R.T. 0.000 min

Lab File: VU047637.D

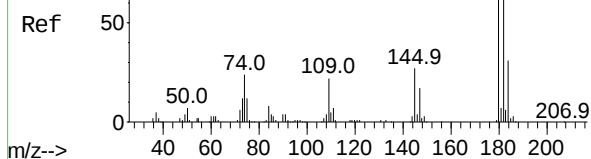
Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051



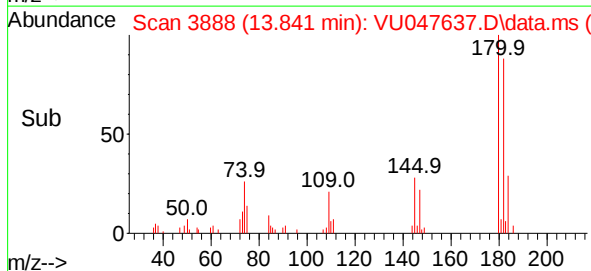
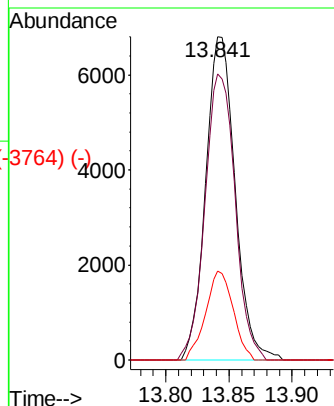
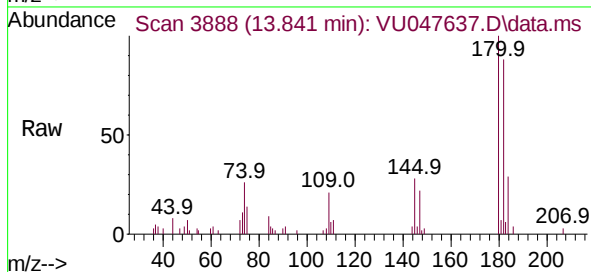
Tgt Ion:180 Resp: 11049

Ion Ratio Lower Upper

180 100

182 90.4 76.2 114.2

145 25.6 21.8 32.8



Abundance Scan 3964 (14.085 min): VU047634.D\data.ms (-3971) (-)

Naphthalene

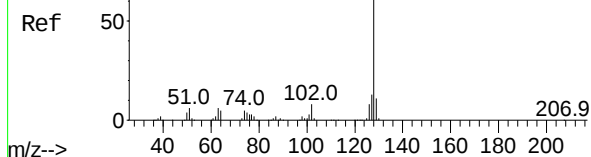
Concen: 1223.289 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28



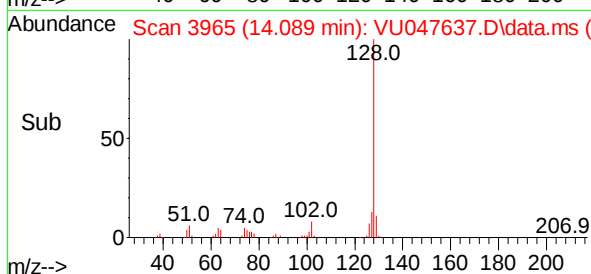
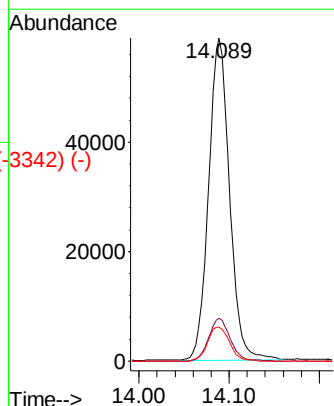
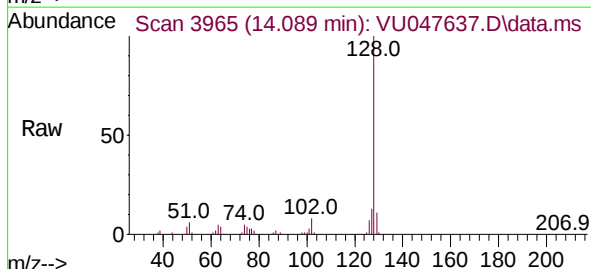
Tgt Ion:128 Resp: 95158

Ion Ratio Lower Upper

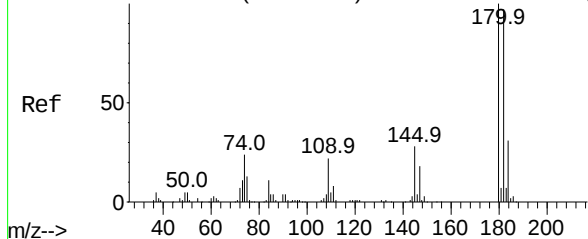
128 100

127 13.7 10.2 15.2

129 11.2 8.8 13.2



Abundance Scan 4040 (14.330 min): VU047634.D\data.ms (-4672) (-)



1,2,3-Trichlorobenzene

Concen: 544.426 ug/L

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU047637.D

Acq: 24 Mar 2022 15:28

Instrument :

MSVOA_U

ClientSampleId :

VIBLK051

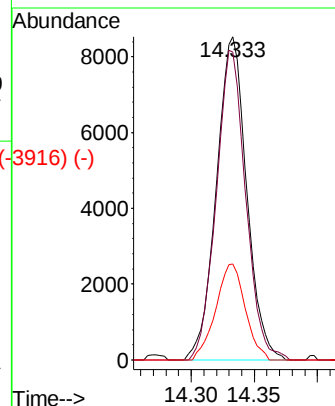
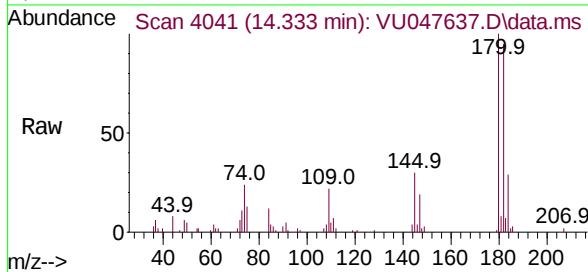
Tgt Ion:180 Resp: 14240

Ion Ratio Lower Upper

180 100

182 93.0 77.4 116.0

145 28.8 22.8 34.2



Abundance Scan 4041 (14.333 min): VU047637.D\data.ms (-3916) (-)

