

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112522\
 Data File : VW029348.D
 Acq On : 25 Nov 2022 11:51
 Operator : SY/MD
 Sample : N5710-06 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0KY5

Quant Time: Nov 25 21:30:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 25 21:27:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.603	114	236	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.670	117	178	5.000	ug/L	#-0.17
58) 1,4-Dichlorobenzene-d4	11.368	152	11680	5.000	ug/L	0.13
System Monitoring Compounds						
4) Vinyl Chloride-d3	0.000	65	0	0.000	ug/L	
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.000%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	5.000	Range	65 - 130	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	0.000	63	0	0.000	ug/L	
Spiked Amount	5.000	Range	60 - 125	Recovery	=	0.000%#
20) 2-Butanone-d5	3.908	46	4245	1747.205	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	3494.400%#
24) Chloroform-d	4.342	84	3465	133.664	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	2673.200%#
26) 1,2-Dichloroethane-d4	5.040	65	1556	136.421	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	2728.400%#
32) Benzene-d6	5.040	84	2380	48.379	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	967.600%#
36) 1,2-Dichloropropane-d6	6.072	67	164	11.864	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	237.200%#
41) Toluene-d8	7.423	98	1855	39.950	ug/L	0.12
Spiked Amount	5.000	Range	70 - 130	Recovery	=	799.000%#
43) trans-1,3-Dichloroprop...	7.612	79	148	27.770	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	555.400%#
46) 2-Hexanone-d5	8.001	63	369	194.234	ug/L	-0.08
Spiked Amount	50.000	Range	45 - 130	Recovery	=	388.460%#
56) 1,1,2,2-Tetrachloroeth...	10.406	84	5535	648.896	ug/L	0.20
Spiked Amount	5.000	Range	65 - 120	Recovery	=	12978.000%#
66) 1,2-Dichlorobenzene-d4	11.718	152	9016	4.419	ug/L	0.11
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
21) 2-Butanone	4.124	43	3825	1383.118	ug/L	85
22) cis-1,2-Dichloroethene	3.912	96	4818	302.443	ug/L #	95
23) Bromochloromethane	4.272	128	3769	590.657	ug/L #	1
25) Chloroform	4.346	83	5057	193.220	ug/L	77
27) 1,2-Dichloroethane	5.133	62	5921	417.556	ug/L #	1
29) 1,1,1-Trichloroethane	4.593	97	477	23.298	ug/L #	1
30) Cyclohexane	4.657	56	1131	55.891	ug/L #	41
31) Carbon tetrachloride	4.911	117	1201	69.365	ug/L	87
33) Benzene	5.098	78	2354	44.217	ug/L	100
34) Trichloroethene	5.899	95	210	15.463	ug/L #	29
35) Methylcyclohexane	6.043	83	173	7.546	ug/L #	1
37) 1,2-Dichloropropane	6.149	63	240	19.137	ug/L #	85
38) Bromodichloromethane	6.554	83	135	8.992	ug/L #	25
39) cis-1,3-Dichloropropene	7.252	75	5791	315.893	ug/L	96
40) 4-Methyl-2-pentanone	7.210	43	134	22.834	ug/L #	40
42) Toluene	7.239	91	74	1.295	ug/L #	22
44) trans-1,3-Dichloropropene	7.657	75	68	4.683	ug/L #	1
48) 2-Hexanone	8.127	43	126	30.799	ug/L #	67
57) 1,1,2,2-Tetrachloroethane	10.053	83	76	8.651	ug/L #	25

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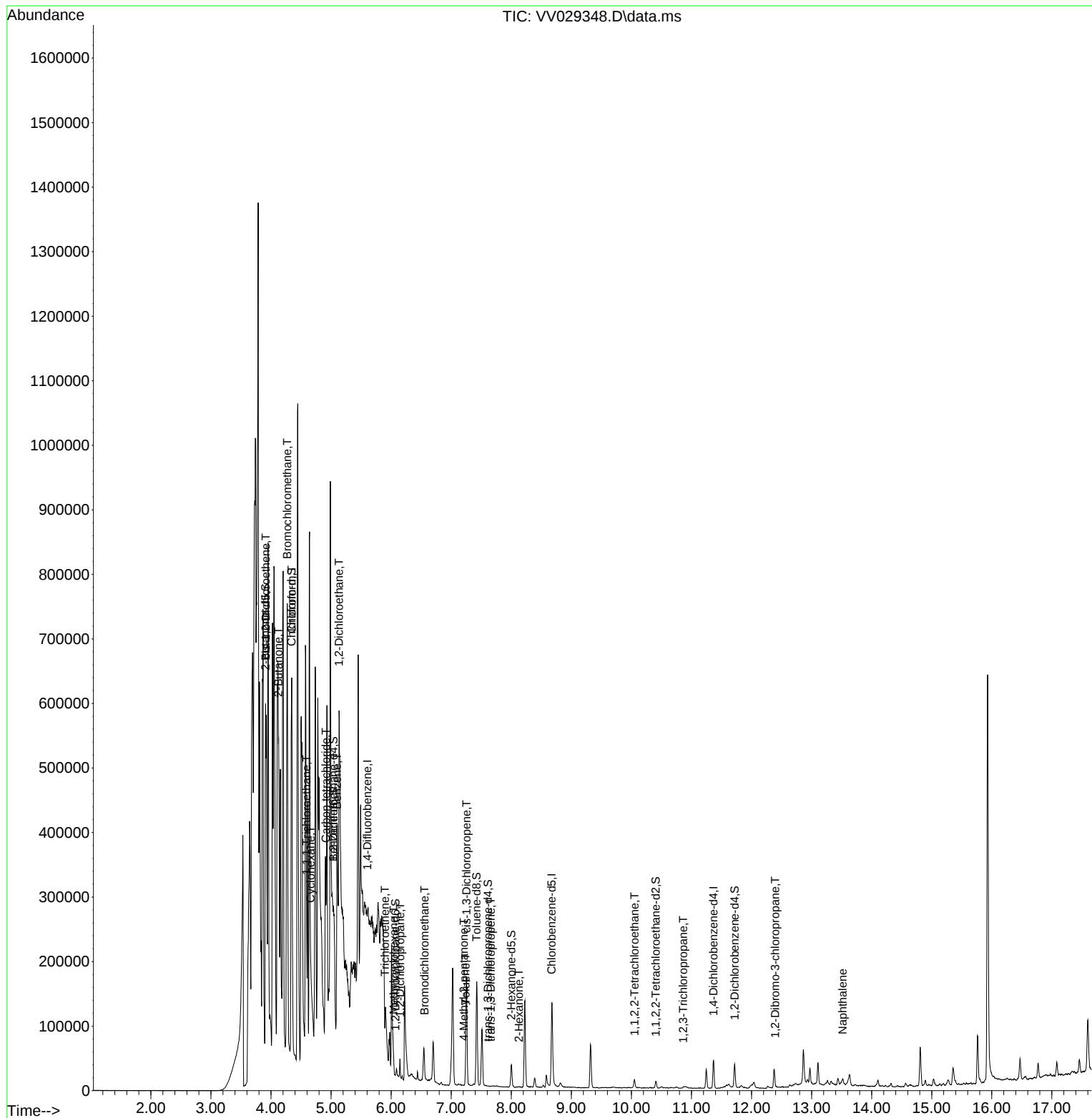
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.863	75	64	0.079	ug/L #	38
68) 1,2-Dibromo-3-chloropr...	12.393	75	62	0.390	ug/L #	1
71) Naphthalene	13.519	128	10392	5.104	ug/L #	91

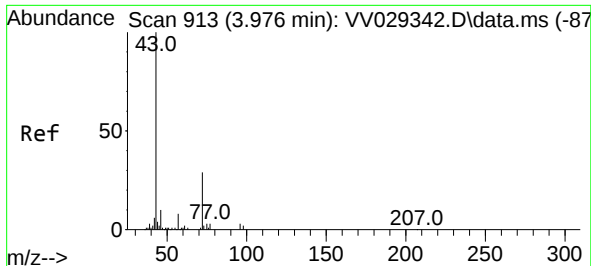
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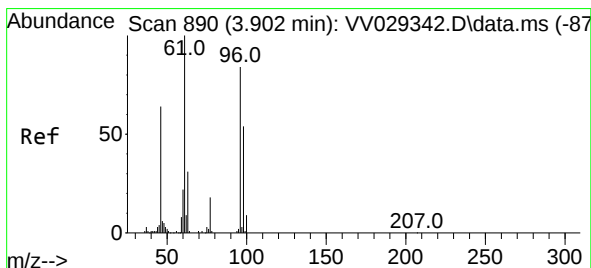
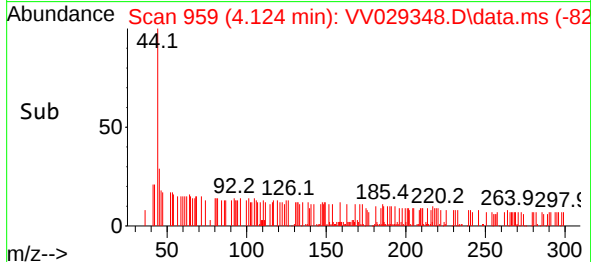
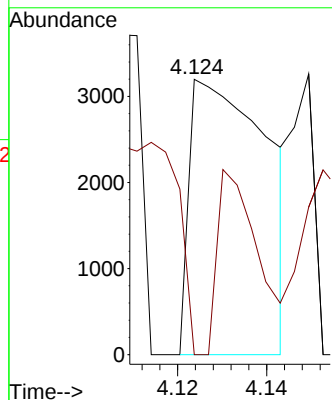
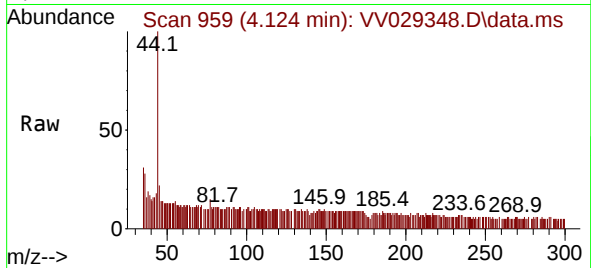




#21
2-Butanone
Concen: 1383.118 ug/L
RT: 4.124 min Scan# 913
Delta R.T. 0.148 min
Lab File: VV029348.D
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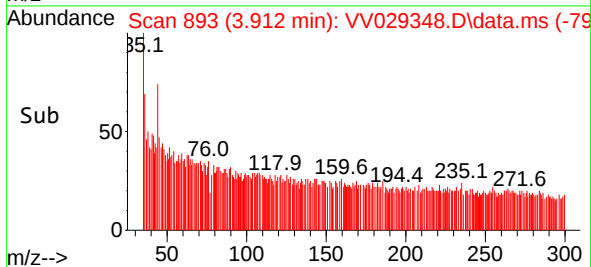
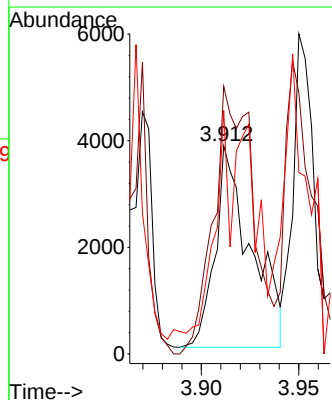
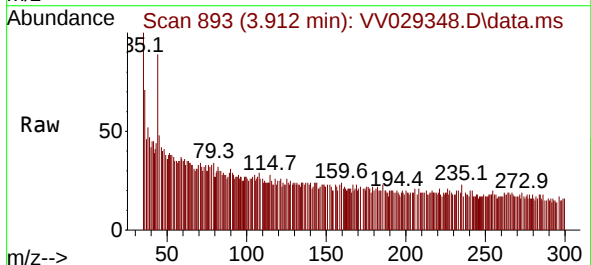
Instrument :
MSVOA_V
ClientSampleId :
C0KY5

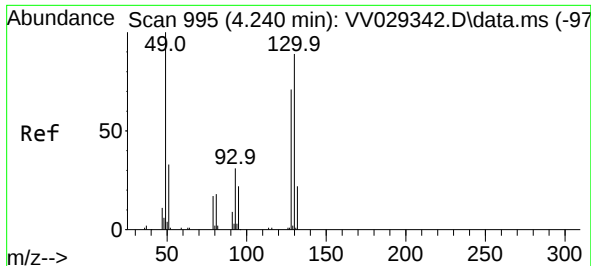
Tgt Ion: 43 Resp: 3825
Ion Ratio Lower Upper
43 100
72 35.5 13.8 41.3



#22
cis-1,2-Dichloroethene
Concen: 302.443 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.010 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

Tgt Ion: 96 Resp: 4818
Ion Ratio Lower Upper
96 100
61 128.6 85.8 159.3
68 117.0 0.0 0.0#

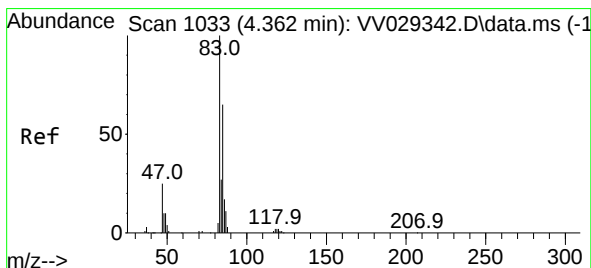
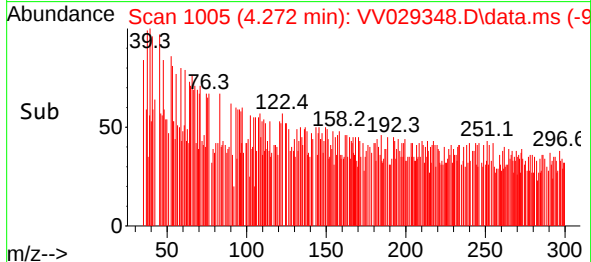
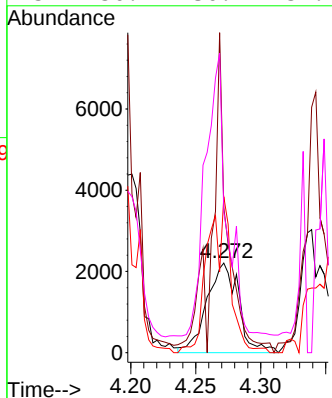
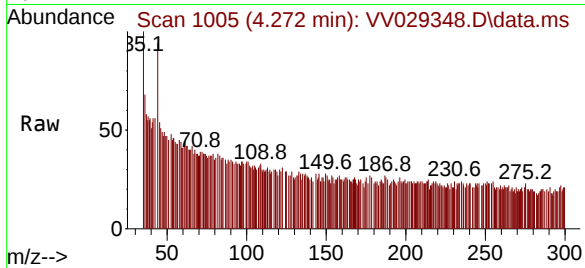




#23
Bromochloromethane
Concen: 590.657 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.032 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

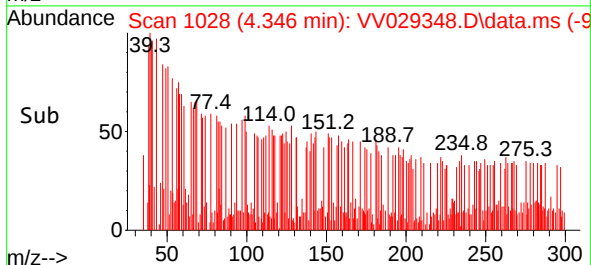
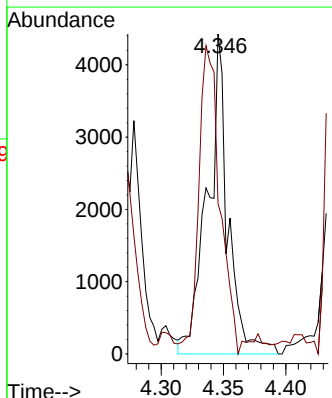
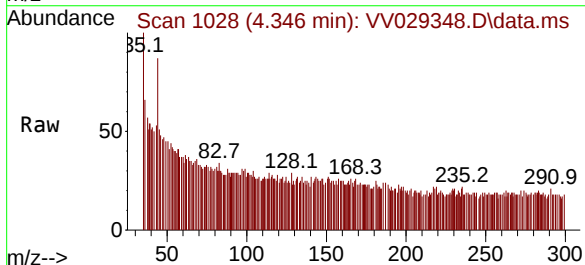
Instrument :
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ClientSampleId :
C0KY5

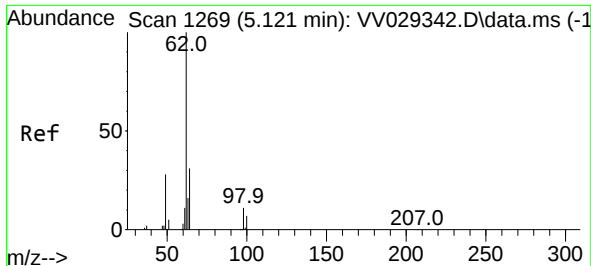
Tgt Ion:128 Resp: 3769
Ion Ratio Lower Upper
128 100
49 324.3 100.0 185.8#
130 173.9 90.2 167.6#
51 156.9 36.2 54.4#



#25
Chloroform
Concen: 193.220 ug/L
RT: 4.346 min Scan# 1028
Delta R.T. -0.016 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

Tgt Ion: 83 Resp: 5057
Ion Ratio Lower Upper
83 100
85 47.0 45.4 84.4





#27

1,2-Dichloroethane

Concen: 417.556 ug/L

RT: 5.133 min Scan# 1105

Delta R.T. 0.013 min

Lab File: VV029348.D

Acq: 25 Nov 2022 11:51

Instrument :

MSVOA_V

ClientSampleId :

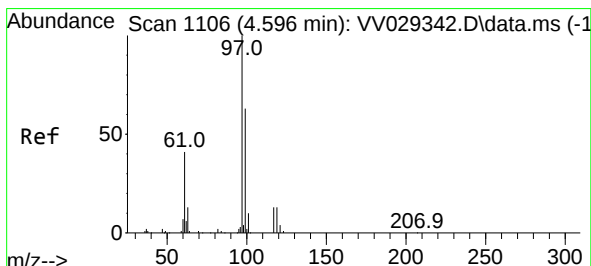
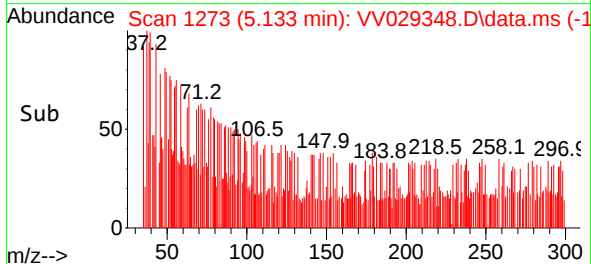
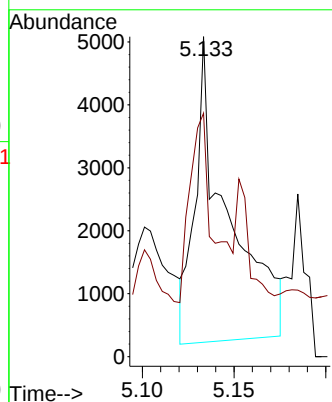
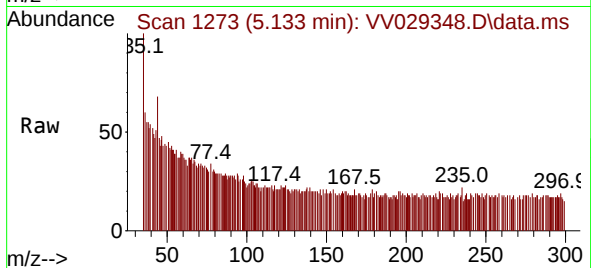
C0KY5

Tgt Ion: 62 Resp: 5921

Ion Ratio Lower Upper

62 100

98 76.1 8.4 12.6#



#29

1,1,1-Trichloroethane

Concen: 23.298 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV029348.D

Acq: 25 Nov 2022 11:51

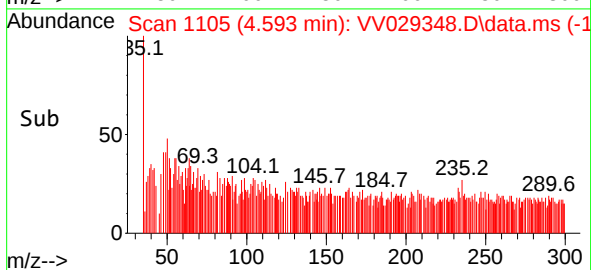
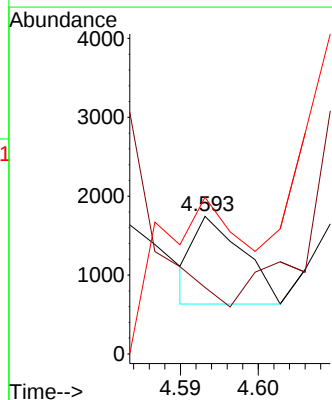
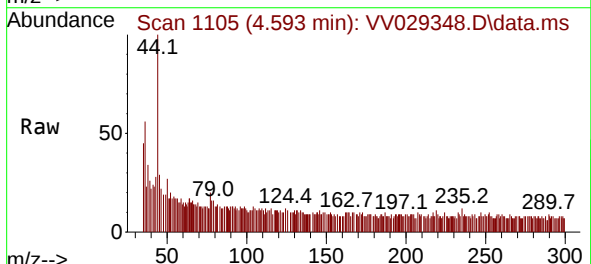
Tgt Ion: 97 Resp: 477

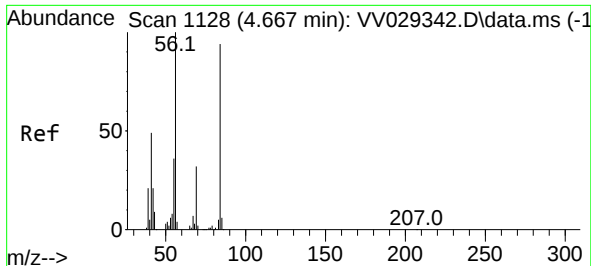
Ion Ratio Lower Upper

97 100

99 0.0 51.2 76.8#

61 319.1 33.3 49.9#

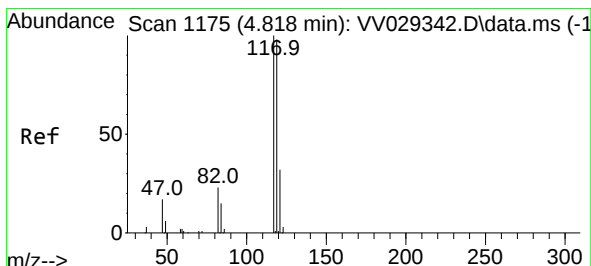
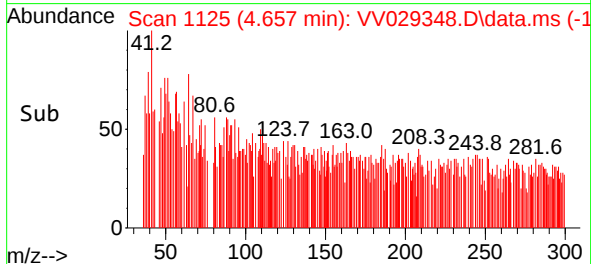
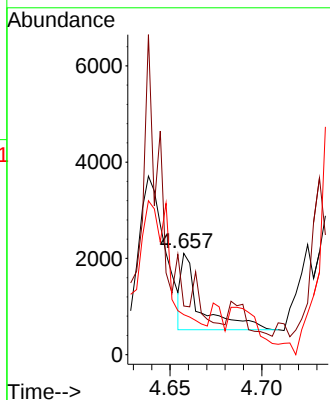
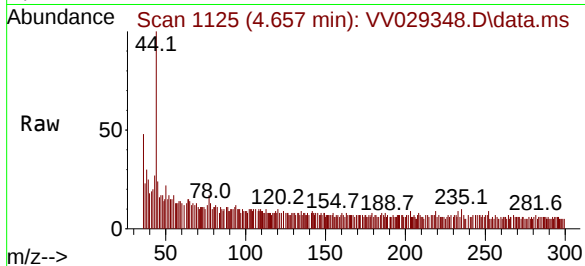




#30
Cyclohexane
Concen: 55.891 ug/L
RT: 4.657 min Scan# 1125
Delta R.T. -0.010 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

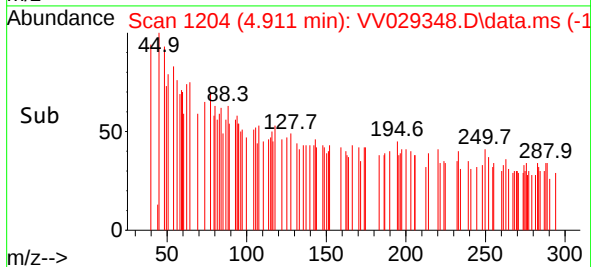
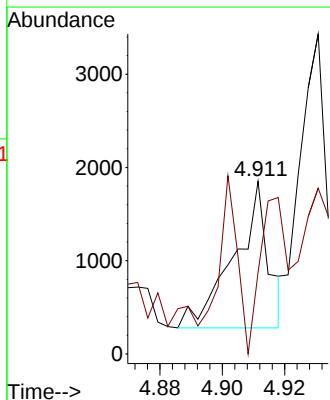
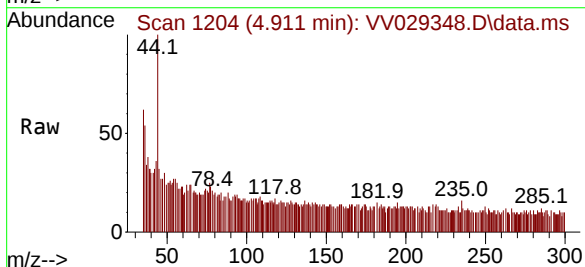
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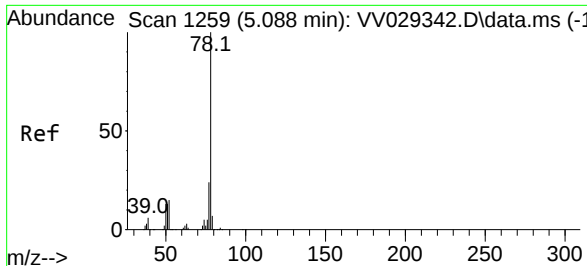
Tgt Ion: 56 Resp: 1131
Ion Ratio Lower Upper
56 100
69 44.7 26.1 39.1#
84 24.8 75.6 113.4#



#31
Carbon tetrachloride
Concen: 69.365 ug/L
RT: 4.911 min Scan# 1204
Delta R.T. 0.093 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

Tgt Ion: 117 Resp: 1201
Ion Ratio Lower Upper
117 100
119 81.8 75.7 113.5

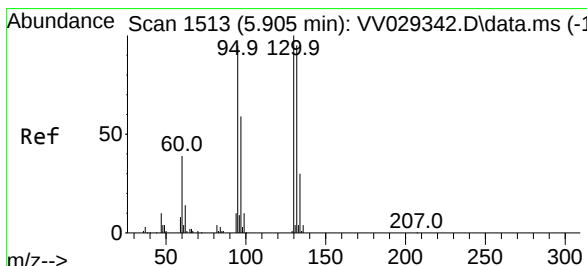
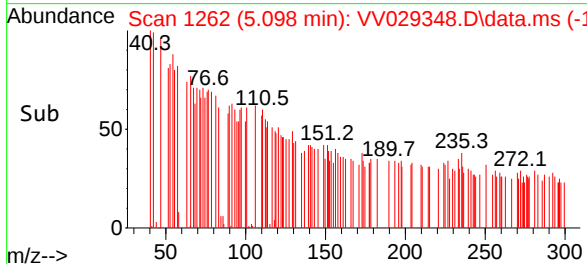
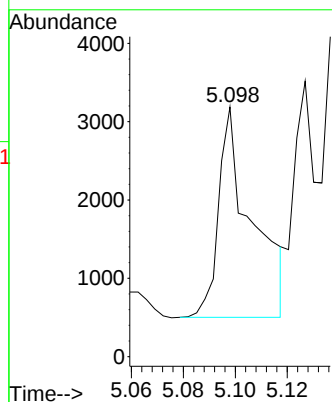
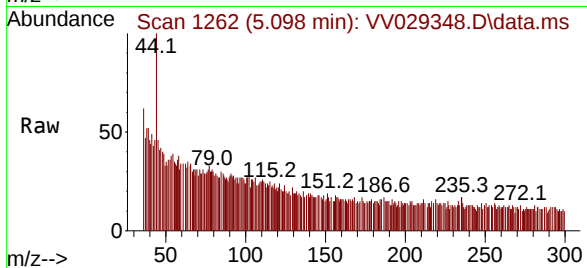




#33
Benzene
Concen: 44.217 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

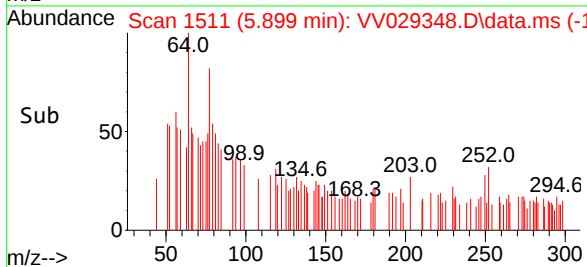
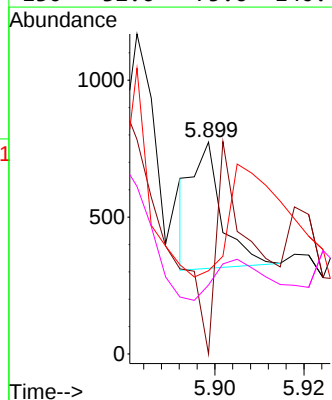
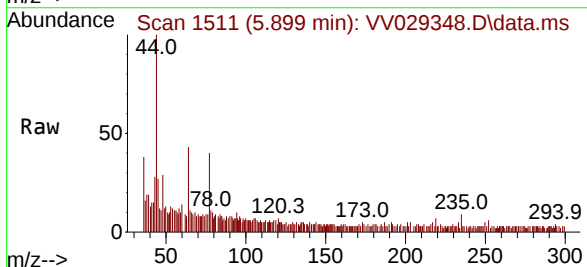
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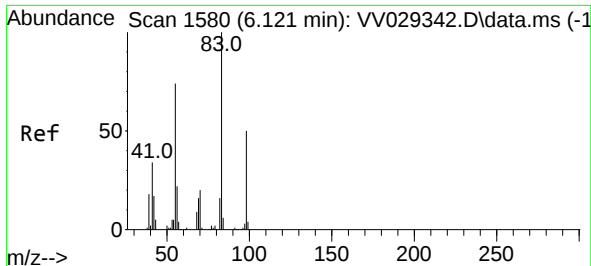
Tgt Ion: 78 Resp: 2354



#34
Trichloroethene
Concen: 15.463 ug/L
RT: 5.899 min Scan# 1511
Delta R.T. -0.007 min
Lab File: VV029348.D
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Tgt Ion: 95 Resp: 210
Ion Ratio Lower Upper
95 100
97 0.0 45.4 84.4#
132 39.3 73.3 136.1#
130 32.6 75.6 140.4#

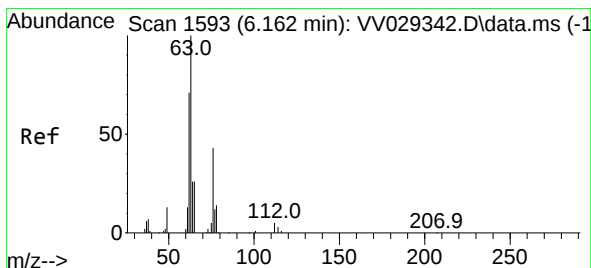
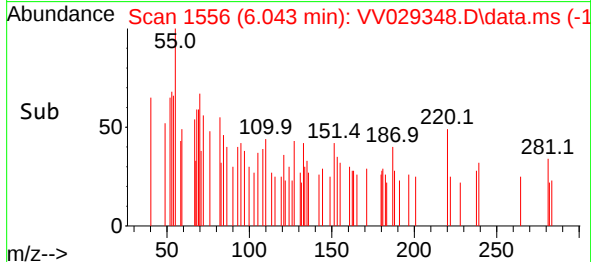
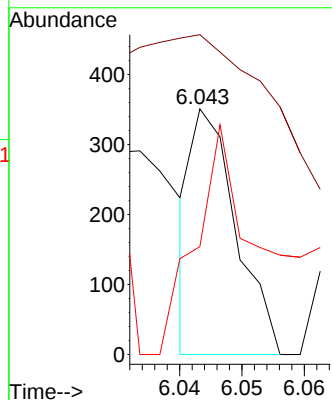
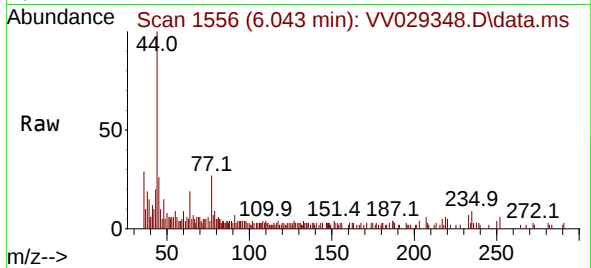




#35
Methylcyclohexane
Concen: 7.546 ug/L
RT: 6.043 min Scan# 11
Delta R.T. -0.077 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

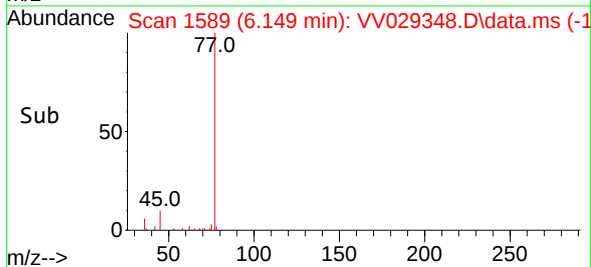
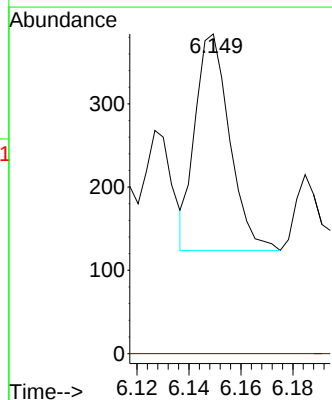
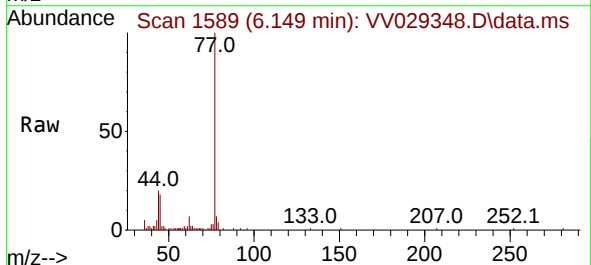
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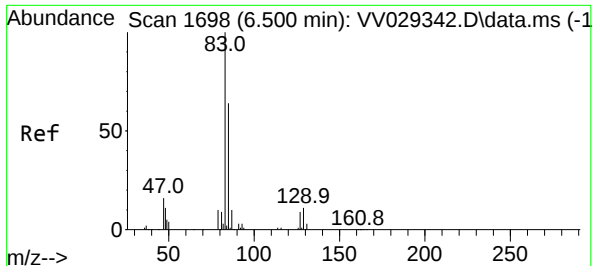
Tgt Ion: 83 Resp: 173
Ion Ratio Lower Upper
83 100
55 0.0 55.4 83.2#
98 135.8 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 19.137 ug/L
RT: 6.149 min Scan# 1589
Delta R.T. -0.013 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

Tgt Ion: 63 Resp: 240
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#





#38

Bromodichloromethane

Concen: 8.992 ug/L

RT: 6.554 min Scan# 1

Delta R.T. 0.055 min

Lab File: VV029348.D

Acq: 25 Nov 2022 11:51

Instrument :

MSVOA_V

ClientSampleId :

C0KY5

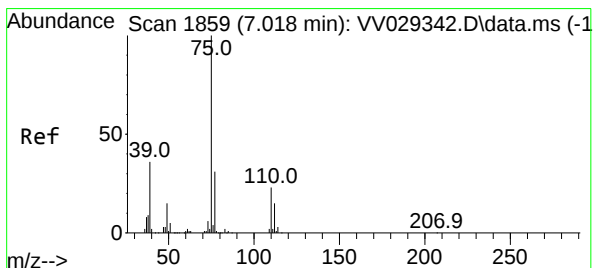
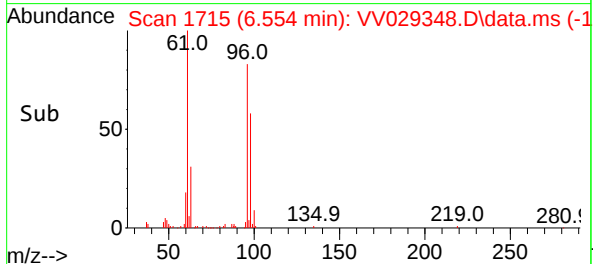
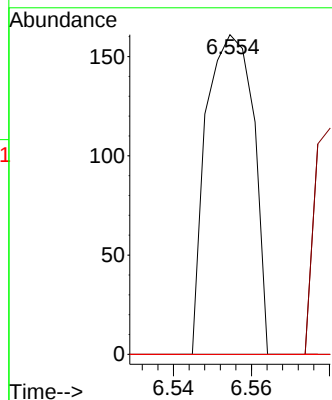
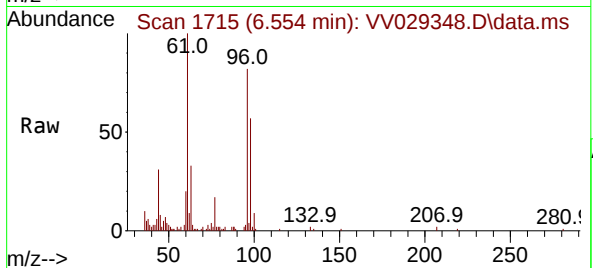
Tgt Ion: 83 Resp: 135

Ion Ratio Lower Upper

83 100

85 0.0 44.7 83.1#

127 0.0 7.4 11.2#



#39

cis-1,3-Dichloropropene

Concen: 315.893 ug/L

RT: 7.252 min Scan# 1932

Delta R.T. 0.235 min

Lab File: VV029348.D

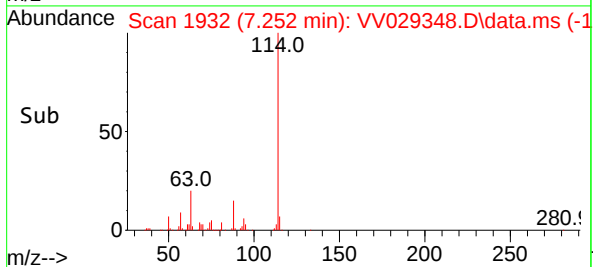
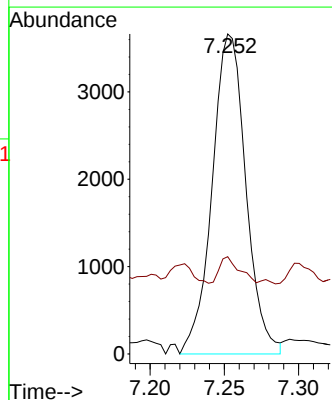
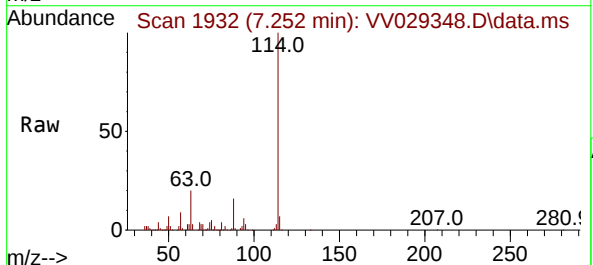
Acq: 25 Nov 2022 11:51

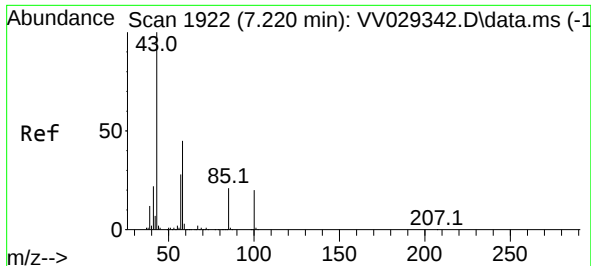
Tgt Ion: 75 Resp: 5791

Ion Ratio Lower Upper

75 100

77 30.4 22.7 42.3





#40

4-Methyl-2-pentanone

Concen: 22.834 ug/L

RT: 7.210 min Scan# 1922

Delta R.T. -0.010 min

Lab File: VV029348.D

Acq: 25 Nov 2022 11:51

Instrument :

MSVOA_V

ClientSampleId :

C0KY5

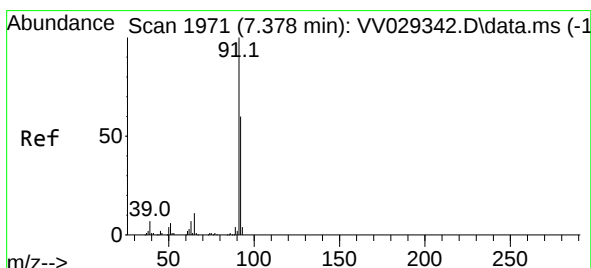
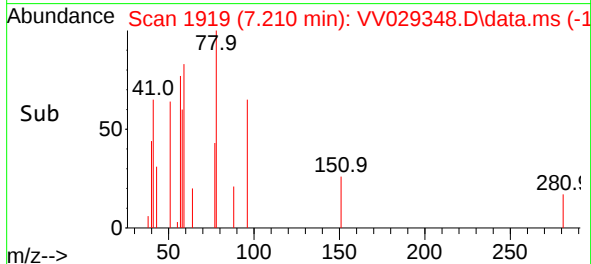
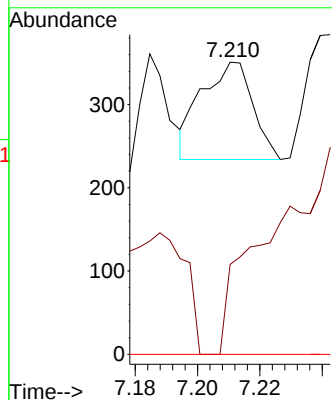
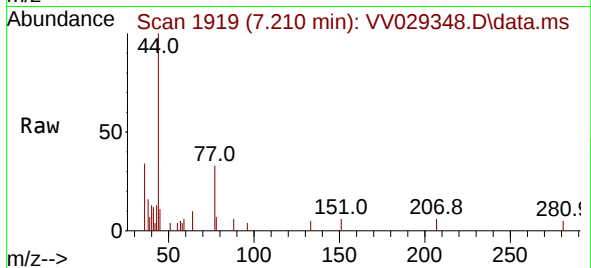
Tgt Ion: 43 Resp: 134

Ion Ratio Lower Upper

43 100

58 0.0 35.3 52.9#

100 0.0 15.3 22.9#



#42

Toluene

Concen: 1.295 ug/L

RT: 7.239 min Scan# 1928

Delta R.T. -0.138 min

Lab File: VV029348.D

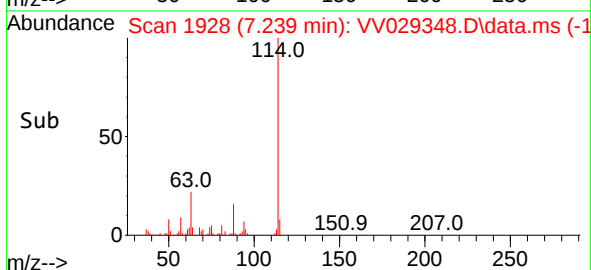
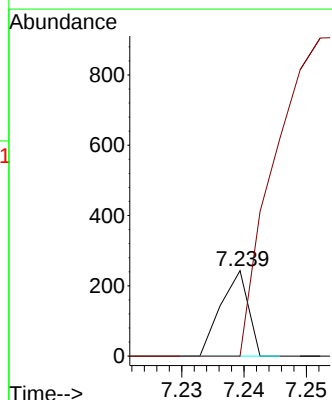
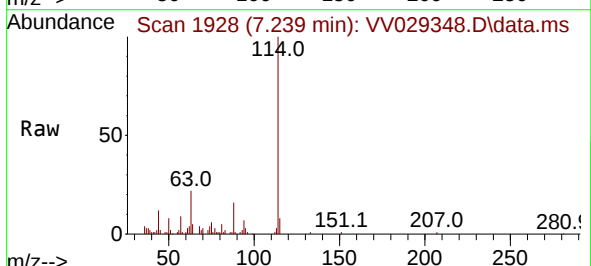
Acq: 25 Nov 2022 11:51

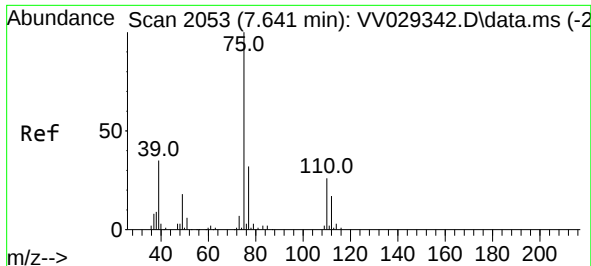
Tgt Ion: 91 Resp: 74

Ion Ratio Lower Upper

91 100

92 0.0 40.8 75.8#

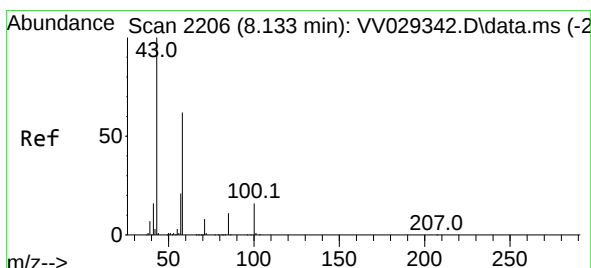
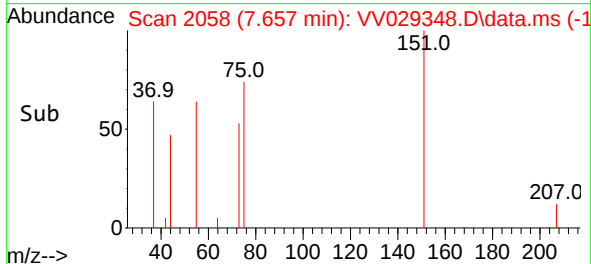
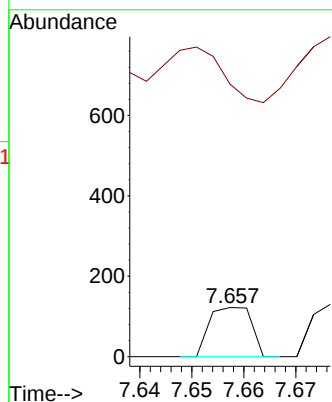
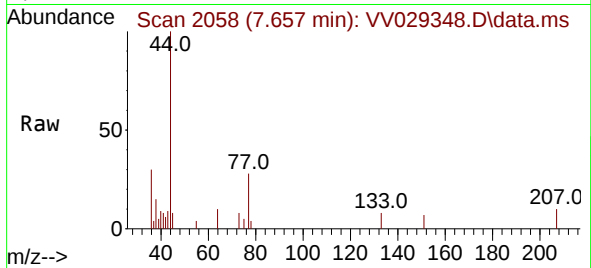




#44
trans-1,3-Dichloropropene
Concen: 4.683 ug/L
RT: 7.657 min Scan# 2058
Delta R.T. 0.016 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

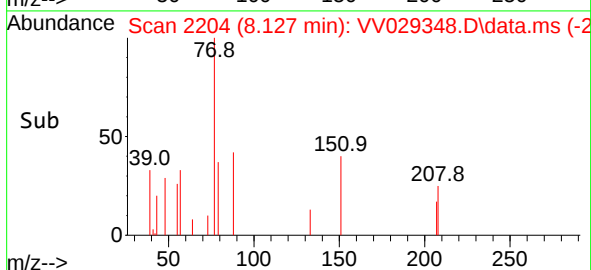
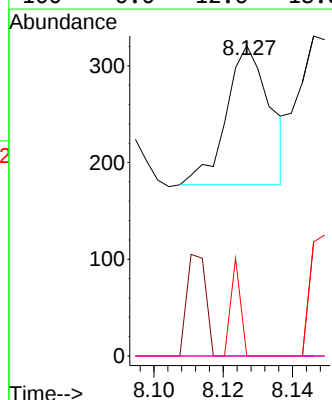
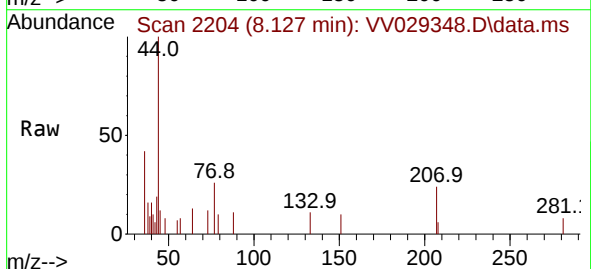
Instrument :
MSVOA_V
ClientSampleId :
C0KY5

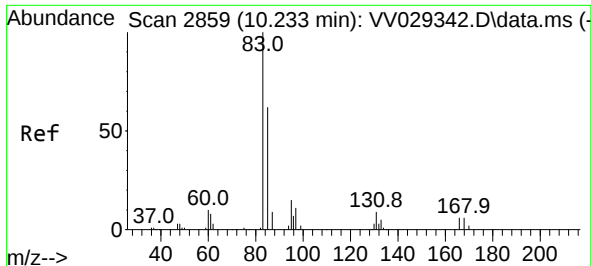
Tgt Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
77 555.7 22.4 41.6#



#48
2-Hexanone
Concen: 30.799 ug/L
RT: 8.127 min Scan# 2204
Delta R.T. -0.007 min
Lab File: VV029348.D
Acq: 25 Nov 2022 11:51

Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
58 31.7 49.4 74.0#
57 15.1 16.9 25.3#
100 0.0 12.6 18.8#





#57

1,1,2,2-Tetrachloroethane

Concen: 8.651 ug/L

RT: 10.053 min Scan# 21

Delta R.T. -0.180 min

Lab File: VV029348.D

Acq: 25 Nov 2022 11:51

Instrument :

MSVOA_V

ClientSampleId :

C0KY5

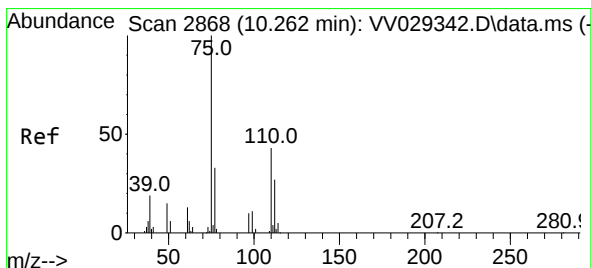
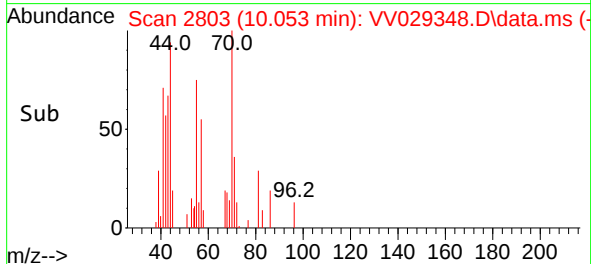
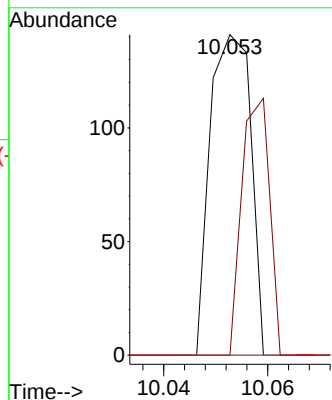
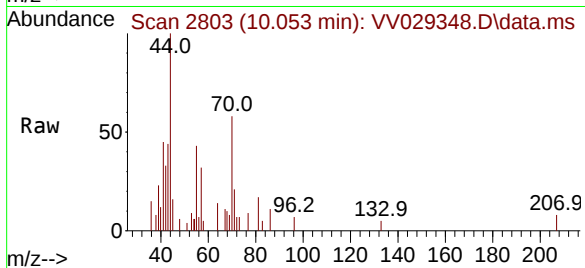
Tgt Ion: 83 Resp: 76

Ion Ratio Lower Upper

83 100

85 0.0 45.5 84.5#

131 0.0 8.2 12.2#



#61

1,2,3-Trichloropropane

Concen: 0.079 ug/L

RT: 10.863 min Scan# 3055

Delta R.T. 0.601 min

Lab File: VV029348.D

Acq: 25 Nov 2022 11:51

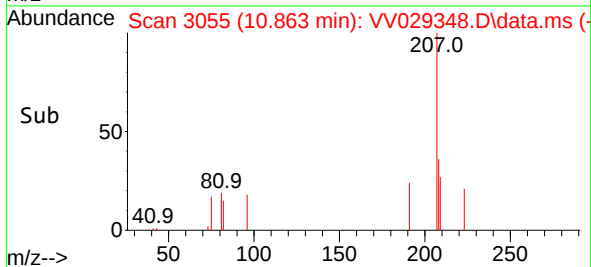
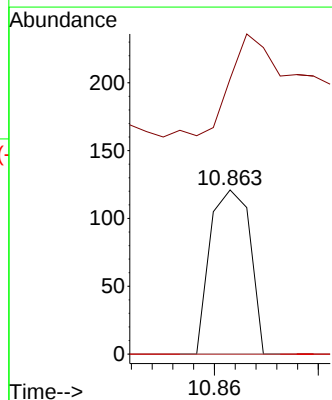
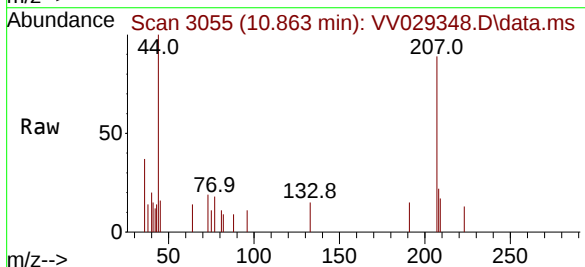
Tgt Ion: 75 Resp: 64

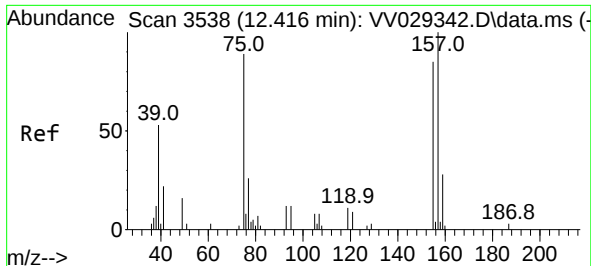
Ion Ratio Lower Upper

75 100

77 0.0 26.7 40.1#

110 0.0 32.2 48.4#





#68

1,2-Dibromo-3-chloropropane

Concen: 0.390 ug/L

RT: 12.393 min Scan# 3

Delta R.T. -0.023 min

Lab File: VV029348.D

Acq: 25 Nov 2022 11:51

Instrument :

MSVOA_V

ClientSampleId :

C0KY5

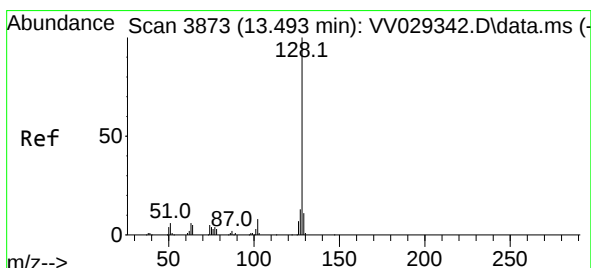
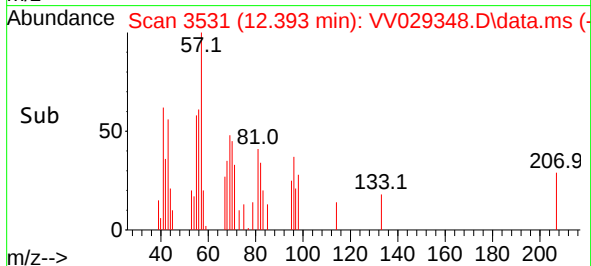
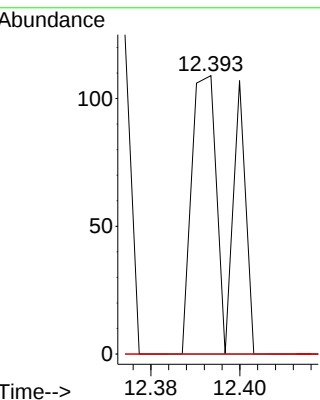
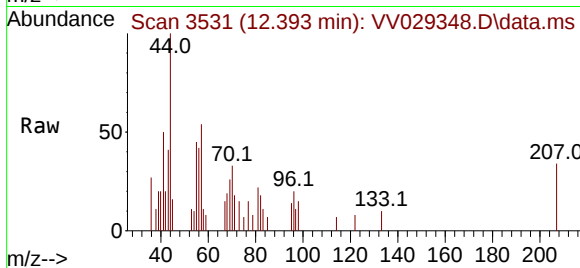
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

155 0.0 76.6 115.0#

157 0.0 96.9 145.3#



#71

Naphthalene

Concen: 5.104 ug/L

RT: 13.519 min Scan# 3881

Delta R.T. 0.026 min

Lab File: VV029348.D

Acq: 25 Nov 2022 11:51

Tgt Ion: 128 Resp: 10392

Ion Ratio Lower Upper

128 100

129 8.1 8.9 13.3#

127 16.9 10.6 15.8#

