

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081522\
 Data File : VX030629.D
 Acq On : 15 Aug 2022 15:48
 Operator : JC/MD
 Sample : N4181-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 X3C26

Quant Time: Aug 16 04:30:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 16 04:27:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	265575	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	243082	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	117465	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	87398	51.245	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 102.500%		
7) Chloroethane-d5	1.666	69	61573	51.214	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 102.420%		
11) 1,1-Dichloroethene-d2	2.307	63	209938	65.075	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 130.160%#		
21) 2-Butanone-d5	4.471	46	167598	106.061	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 106.060%		
24) Chloroform-d	5.068	84	187816	53.497	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 107.000%		
26) 1,2-Dichloroethane-d4	5.964	65	130352	54.682	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 109.360%		
32) Benzene-d6	5.977	84	366847	52.685	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 105.380%		
36) 1,2-Dichloropropane-d6	7.312	67	120227	53.219	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 106.440%		
41) Toluene-d8	8.653	98	342082	52.120	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 104.240%		
43) trans-1,3-Dichloroprop...	8.952	79	53835	47.902	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 95.800%		
47) 2-Hexanone-d5	9.391	63	114510	99.443	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 99.440%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	151737	51.129	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 102.260%		
66) 1,2-Dichlorobenzene-d4	12.323	152	115147	50.539	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 101.080%		
Target Compounds						
						Qvalue
5) Vinyl chloride	1.374	62	206883	112.716	ug/L	98
9) Trichlorofluoromethane	1.880	101	264458	97.491	ug/L	99
12) 1,1-Dichloroethene	2.319	96	116519	78.388	ug/L #	73
15) Methyl Acetate	2.715	43	5612	2.341	ug/L	96
18) Methyl tert-butyl Ether	3.124	73	545569	93.159	ug/L	100
20) cis-1,2-Dichloroethene	4.495	96	90791	46.867	ug/L	99
33) Benzene	6.044	78	183253	23.513	ug/L	100
34) Trichloroethene	7.129	95	162547	72.010	ug/L	88
35) Methylcyclohexane	7.385	83	338141	102.901	ug/L	98
37) 1,2-Dichloropropane	7.440	63	48932	23.613	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	478304	132.543	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	65708	34.101	ug/L	98
46) Tetrachloroethene	9.275	164	80151	56.185	ug/L	97
48) 2-Hexanone	9.433	43	286359	102.131	ug/L	99
49) Dibromochloromethane	9.525	129	80836	39.433	ug/L	97
50) 1,2-Dibromoethane	9.610	107	277091	130.766	ug/L	99
52) Ethylbenzene	10.195	91	755505	84.158	ug/L	99
54) o-Xylene	10.647	106	112939	33.872	ug/L	98
60) Isopropylbenzene	10.964	105	777953	93.434	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Tue Aug 16 04:27:08 2022
Response via : Initial Calibration

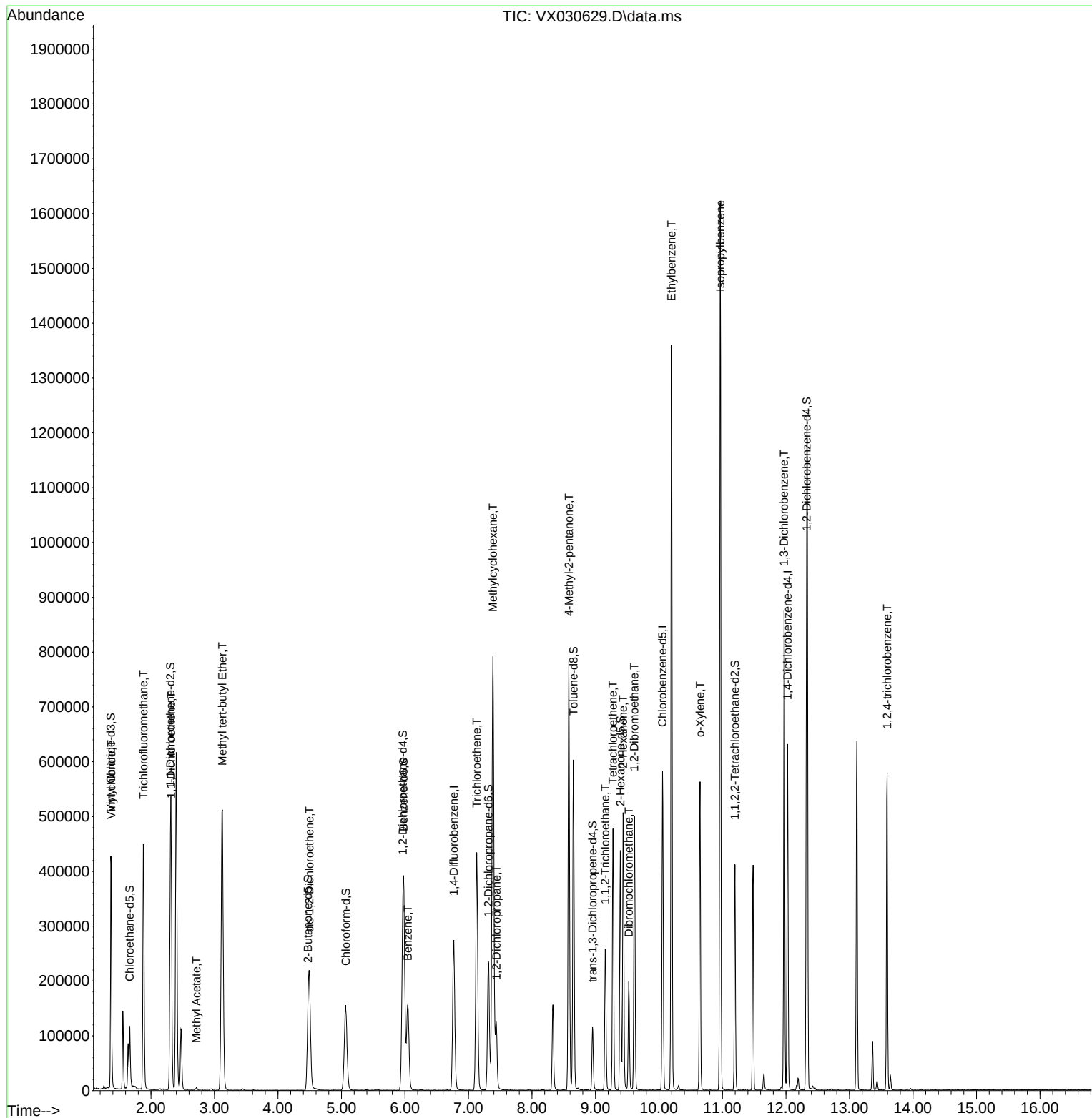
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.970	146	247903	68.492	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	121073	54.312	ug/L	96

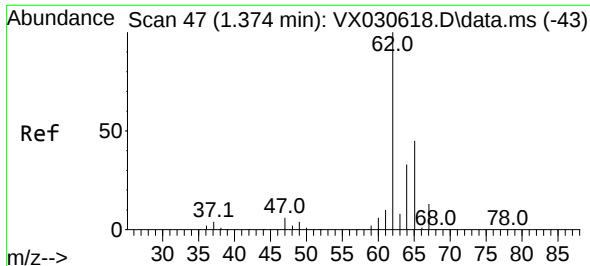
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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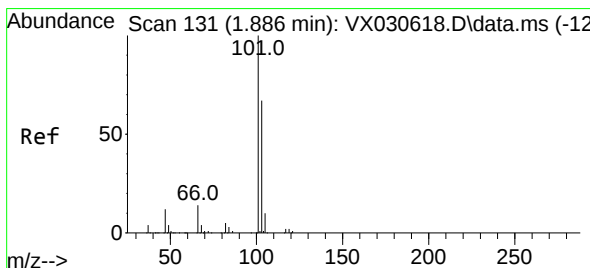
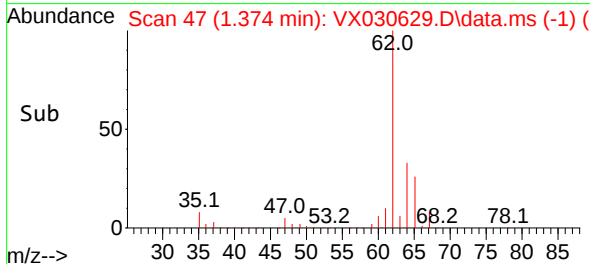
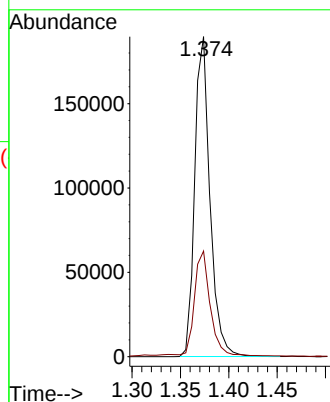
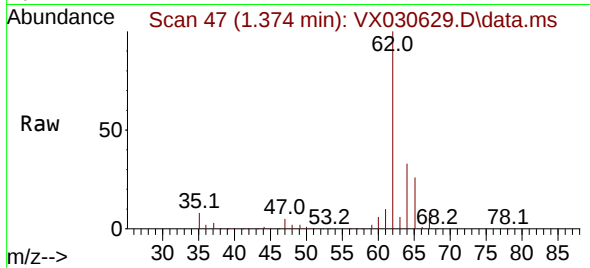




#5
 Vinyl chloride
 Concen: 112.716 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX030629.D
 Acq: 15 Aug 2022 15:48

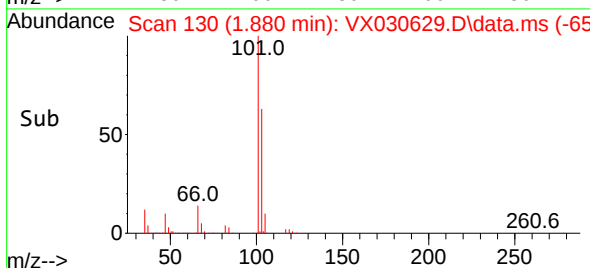
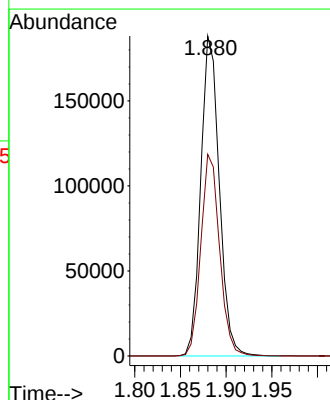
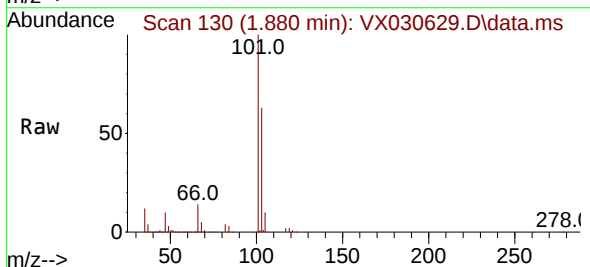
Instrument :
 MSVOA_X
 ClientSampleId :
 X3C26

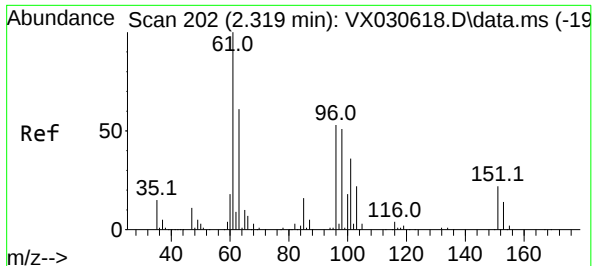
Tgt Ion: 62 Resp: 206883
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.8 44.2



#9
 Trichlorofluoromethane
 Concen: 97.491 ug/L
 RT: 1.880 min Scan# 130
 Delta R.T. -0.006 min
 Lab File: VX030629.D
 Acq: 15 Aug 2022 15:48

Tgt Ion: 101 Resp: 264458
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.5 77.3





#12

1,1-Dichloroethene

Concen: 78.388 ug/L

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030629.D

Acq: 15 Aug 2022 15:48

Instrument :

MSVOA_X

ClientSampleId :

X3C26

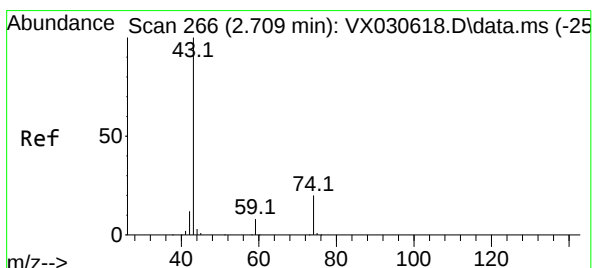
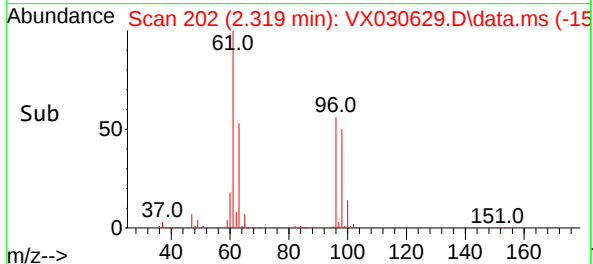
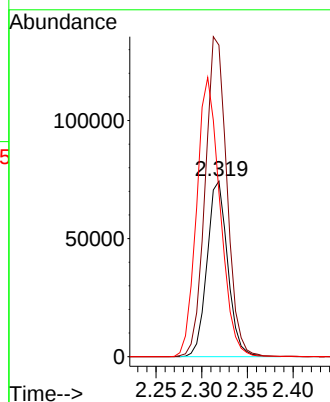
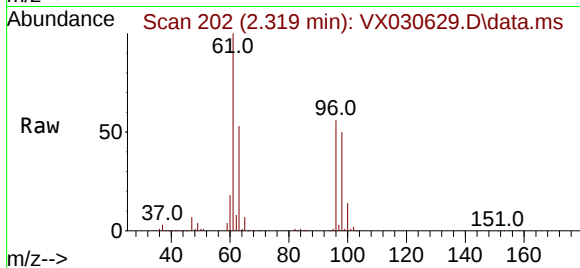
Tgt Ion: 96 Resp: 116519

Ion Ratio Lower Upper

96 100

61 177.4 130.2 241.8

63 93.7 113.5 210.9#



#15

Methyl Acetate

Concen: 2.341 ug/L

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX030629.D

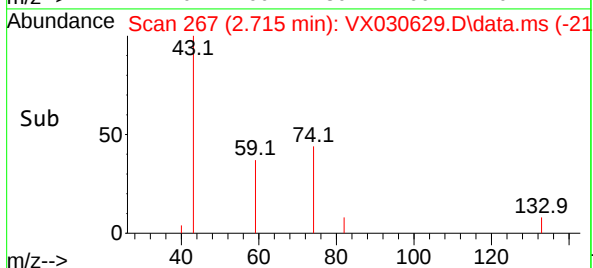
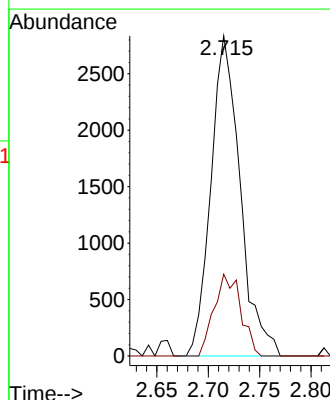
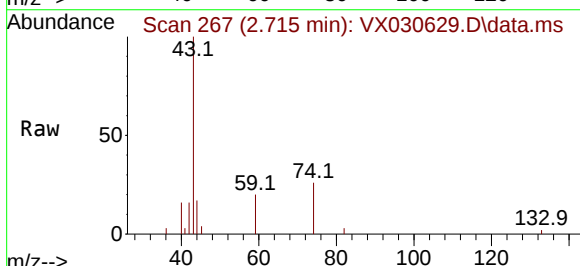
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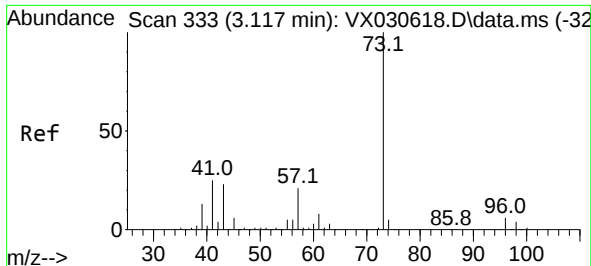
Tgt Ion: 43 Resp: 5612

Ion Ratio Lower Upper

43 100

74 23.3 17.2 25.8

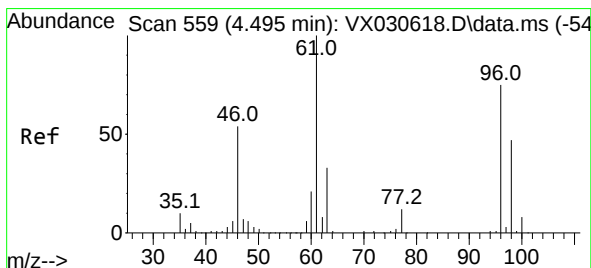
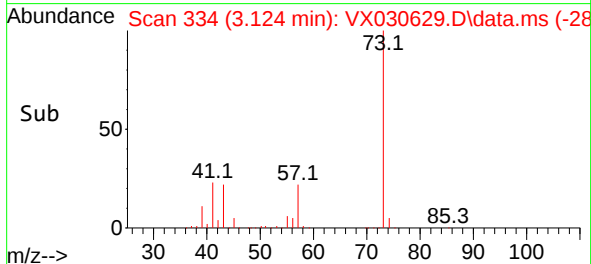
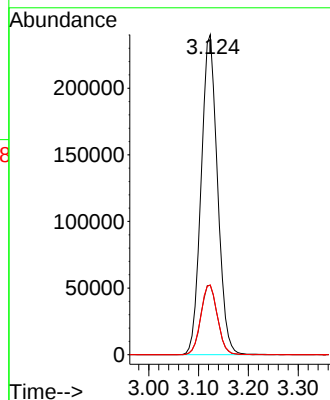
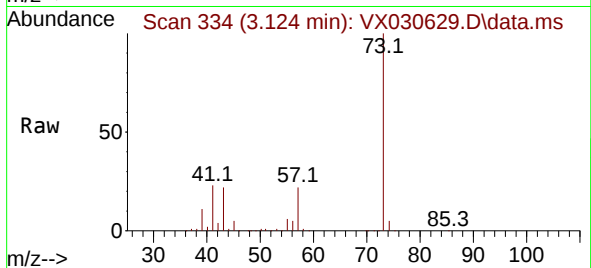




#18
Methyl tert-butyl Ether
Concen: 93.159 ug/L
RT: 3.124 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

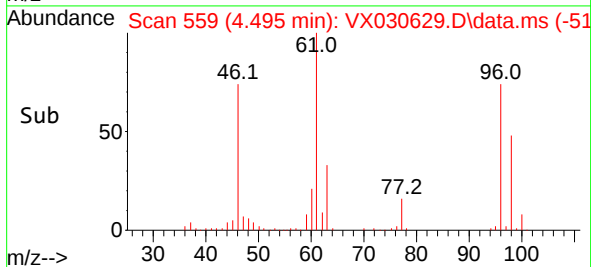
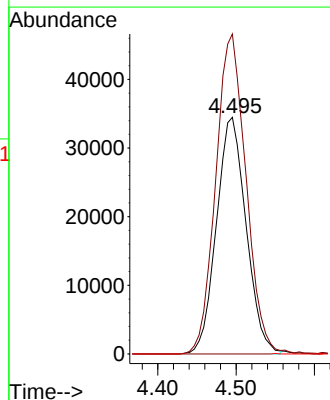
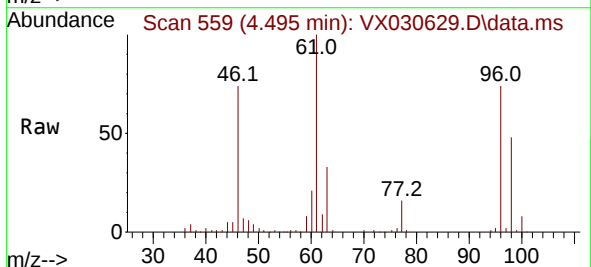
Instrument :
MSVOA_X
ClientSampleId :
X3C26

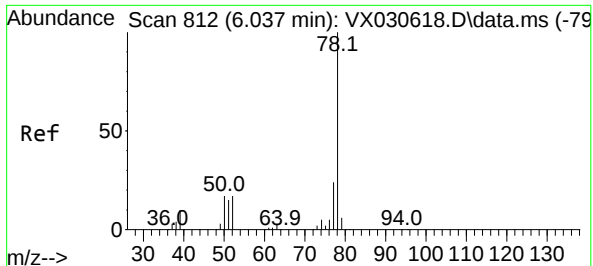
Tgt Ion: 73 Resp: 545569
Ion Ratio Lower Upper
73 100
43 22.1 17.6 26.4
57 22.3 17.5 26.3



#20
cis-1,2-Dichloroethene
Concen: 46.867 ug/L
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

Tgt Ion: 96 Resp: 90791
Ion Ratio Lower Upper
96 100
61 135.3 94.0 174.6
68 0.0 0.0 0.0

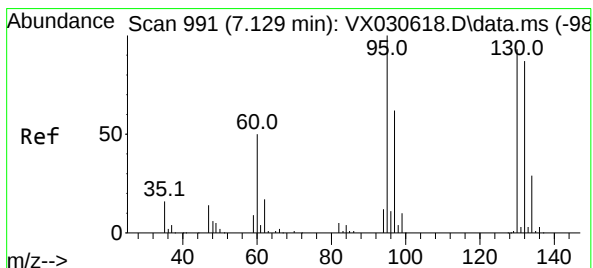
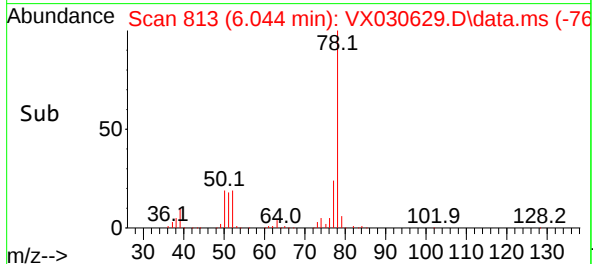
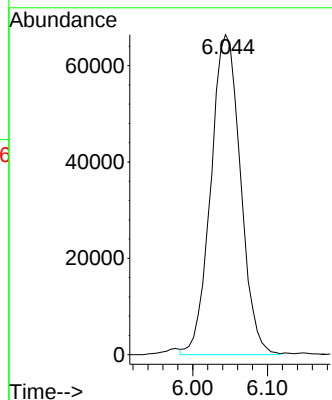
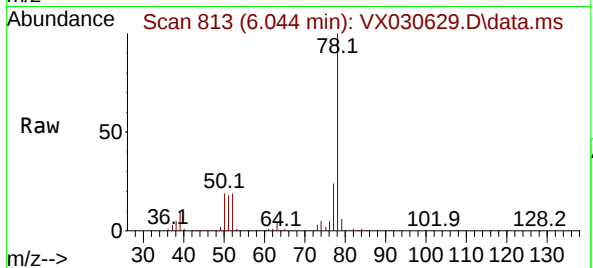




#33
Benzene
Concen: 23.513 ug/L
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

Instrument :
MSVOA_X
ClientSampleId :
X3C26

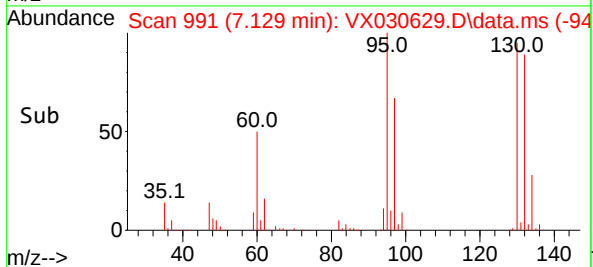
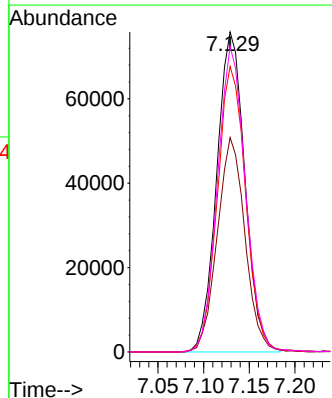
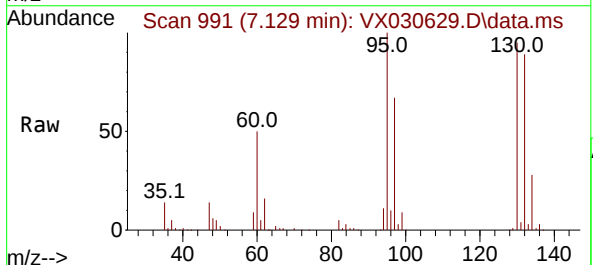
Tgt Ion: 78 Resp: 183253

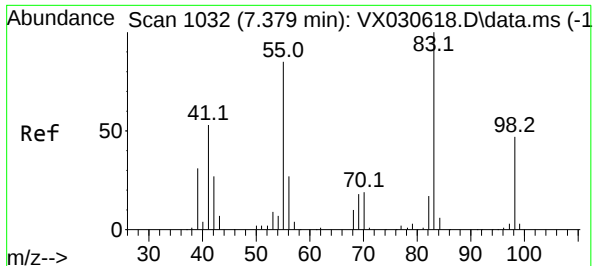


#34
Trichloroethene
Concen: 72.010 ug/L
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

Tgt Ion: 95 Resp: 162547

Ion	Ratio	Lower	Upper
95	100		
97	67.0	40.2	74.6
132	89.2	55.3	102.7
130	95.5	58.9	109.5

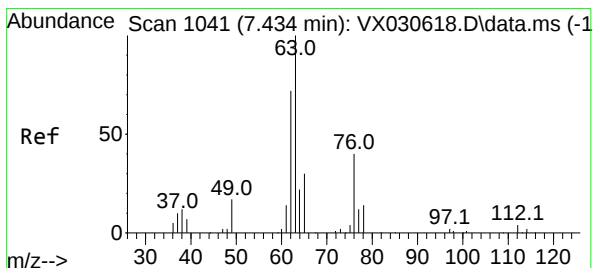
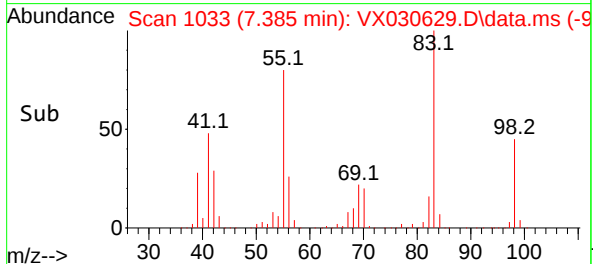
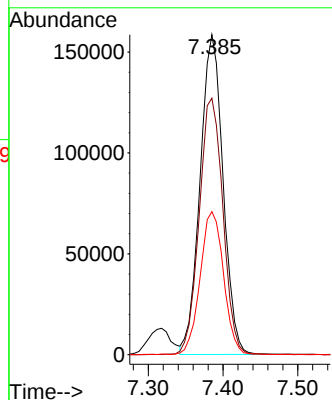
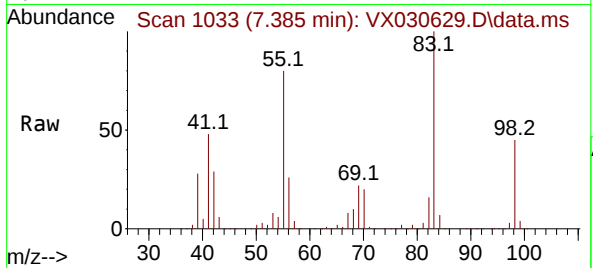




#35
Methylcyclohexane
Concen: 102.901 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

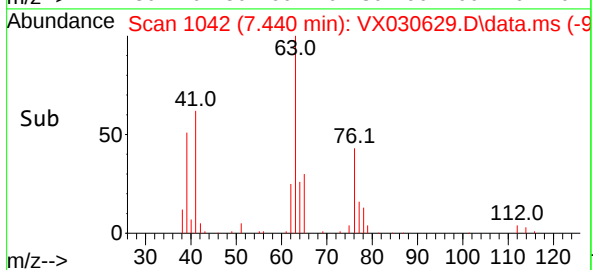
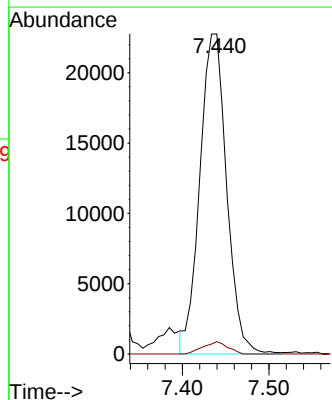
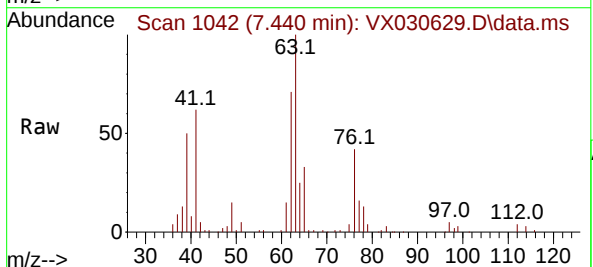
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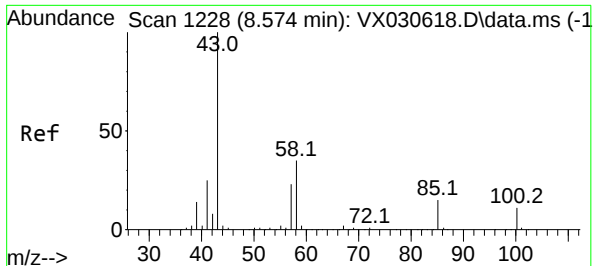
Tgt Ion: 83 Resp: 338141
Ion Ratio Lower Upper
83 100
55 82.5 64.0 96.0
98 45.8 36.7 55.1



#37
1,2-Dichloropropane
Concen: 23.613 ug/L
RT: 7.440 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

Tgt Ion: 63 Resp: 48932
Ion Ratio Lower Upper
63 100
112 3.5 3.0 4.4





#40

4-Methyl-2-pentanone

Concen: 132.543 ug/L

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX030629.D

Acq: 15 Aug 2022 15:48

Instrument :

MSVOA_X

ClientSampleId :

X3C26

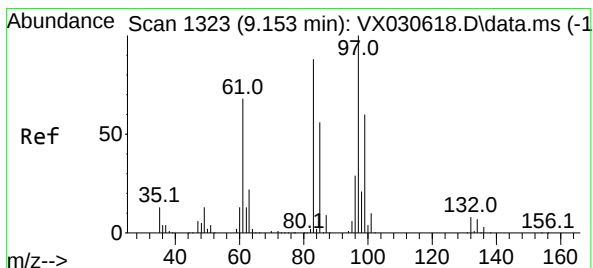
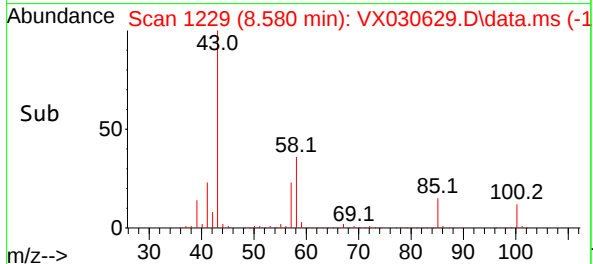
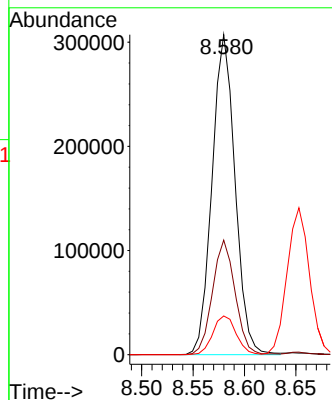
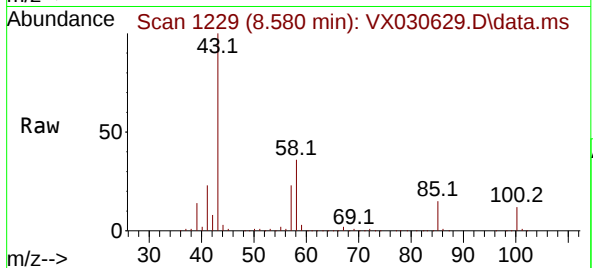
Tgt Ion: 43 Resp: 478304

Ion Ratio Lower Upper

43 100

58 35.2 29.0 43.6

100 12.3 10.5 15.7



#45

1,1,2-Trichloroethane

Concen: 34.101 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX030629.D

Acq: 15 Aug 2022 15:48

Tgt Ion: 97 Resp: 65708

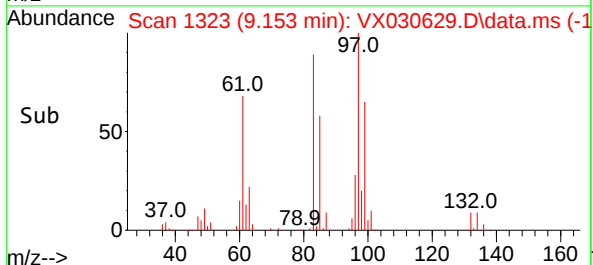
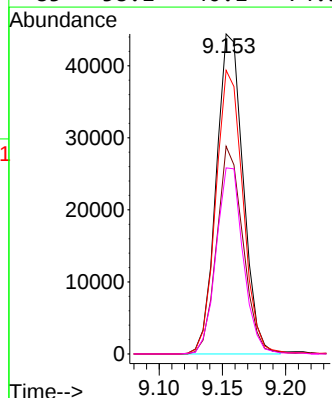
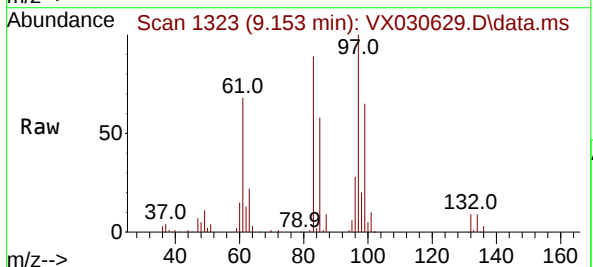
Ion Ratio Lower Upper

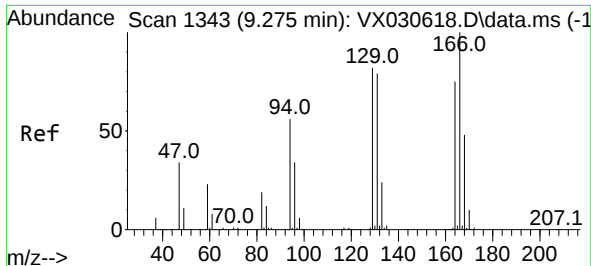
97 100

99 64.9 43.3 80.3

83 88.6 63.0 117.0

85 58.1 40.1 74.5



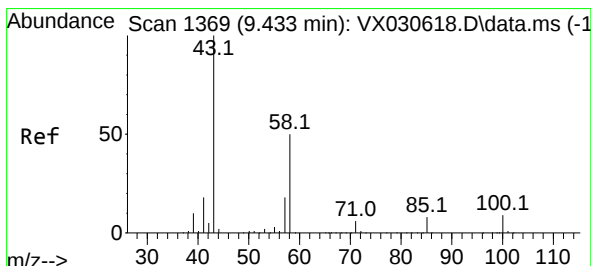
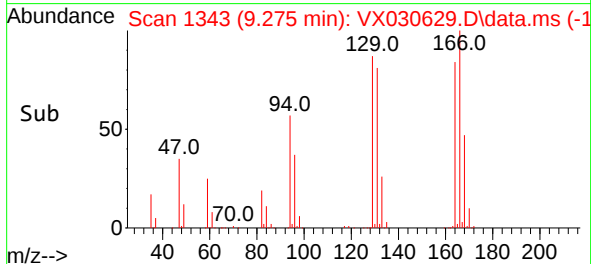
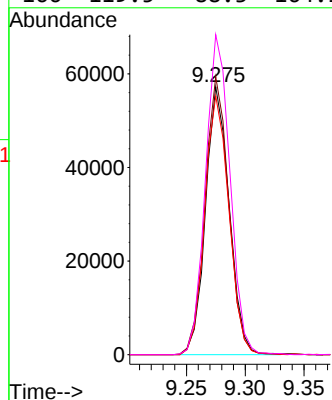
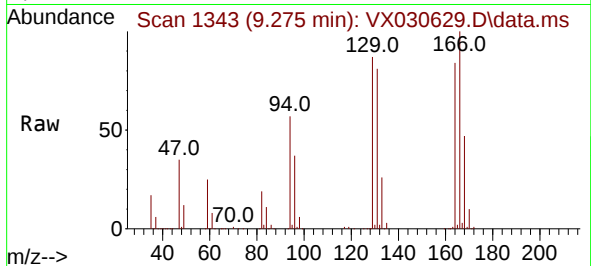


#46
Tetrachloroethene
Concen: 56.185 ug/L
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

Instrument :
MSVOA_X
ClientSampleId :
X3C26

Tgt Ion:164 Resp: 80151

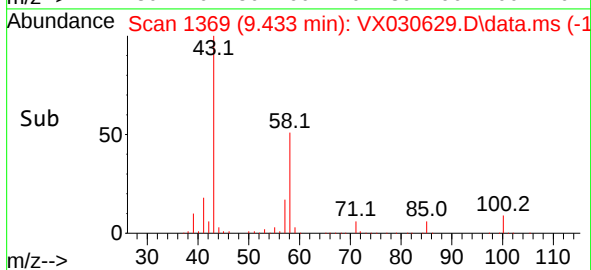
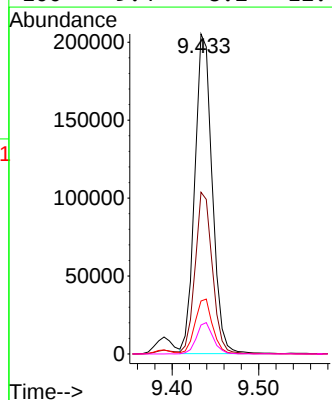
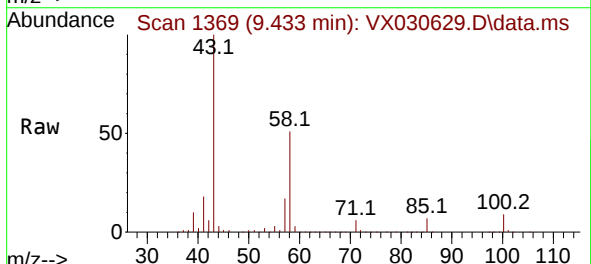
Ion	Ratio	Lower	Upper
164	100		
129	103.8	72.7	135.1
131	96.6	69.9	129.9
166	119.5	88.3	164.1

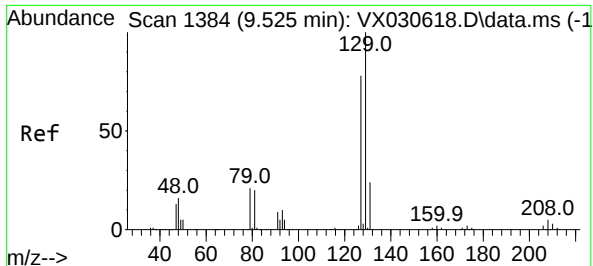


#48
2-Hexanone
Concen: 102.131 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

Tgt Ion: 43 Resp: 286359

Ion	Ratio	Lower	Upper
43	100		
58	49.9	40.4	60.6
57	17.4	14.6	22.0
100	9.4	8.2	12.4





#49

Dibromochloromethane

Concen: 39.433 ug/L

RT: 9.525 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030629.D

Acq: 15 Aug 2022 15:48

Instrument :

MSVOA_X

ClientSampleId :

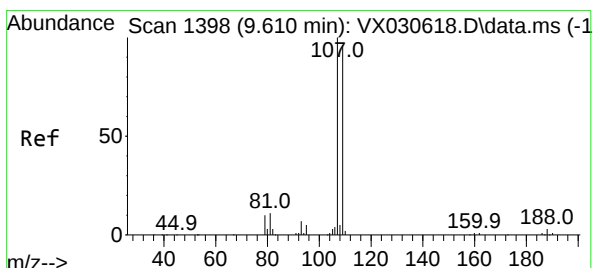
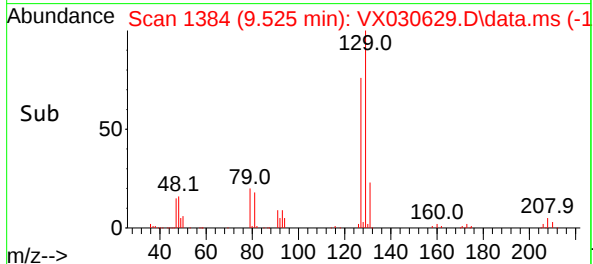
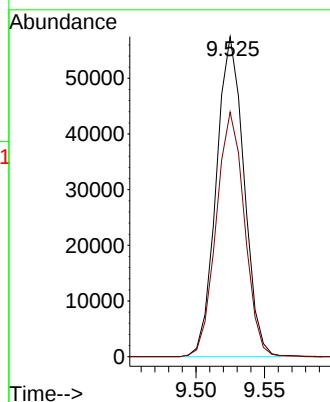
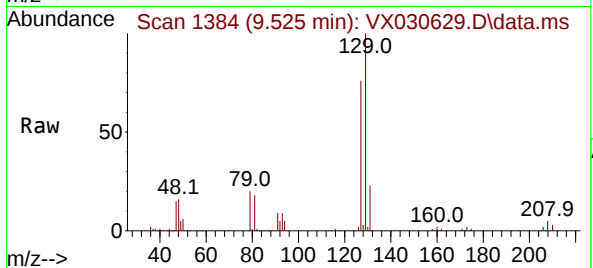
X3C26

Tgt Ion:129 Resp: 80836

Ion Ratio Lower Upper

129 100

127 76.5 55.6 103.2



#50

1,2-Dibromoethane

Concen: 130.766 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX030629.D

Acq: 15 Aug 2022 15:48

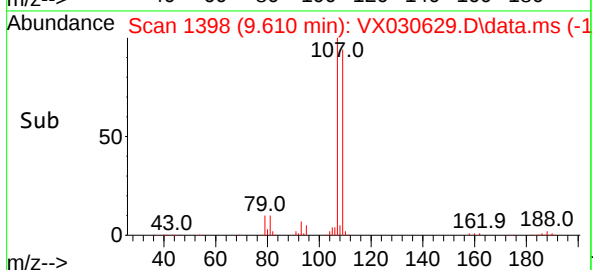
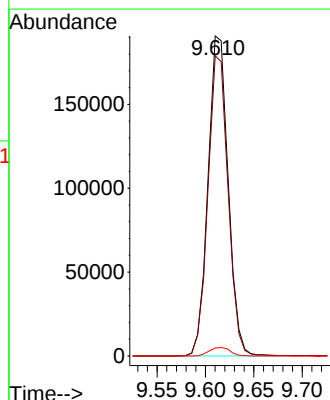
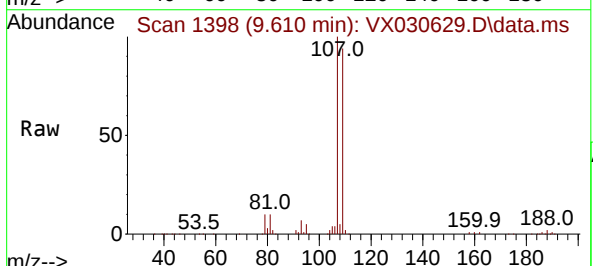
Tgt Ion:107 Resp: 277091

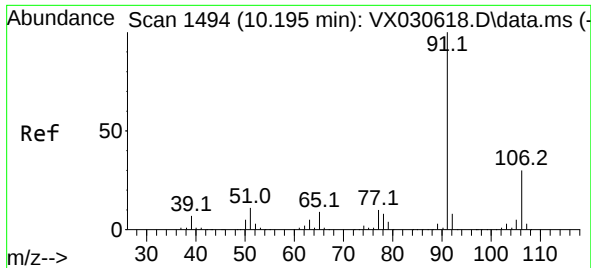
Ion Ratio Lower Upper

107 100

109 93.8 64.8 120.4

188 2.5 2.2 3.2

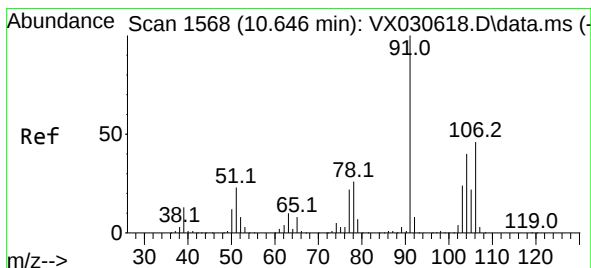
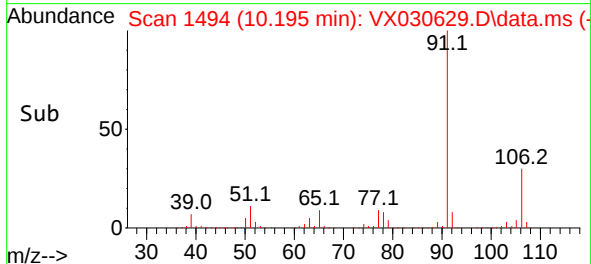
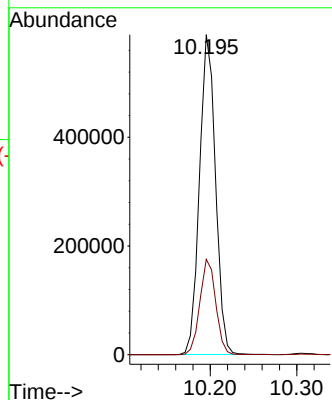
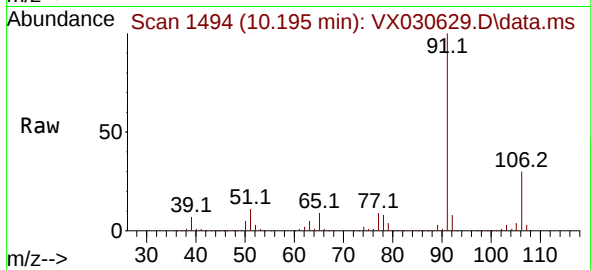




#52
Ethylbenzene
Concen: 84.158 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

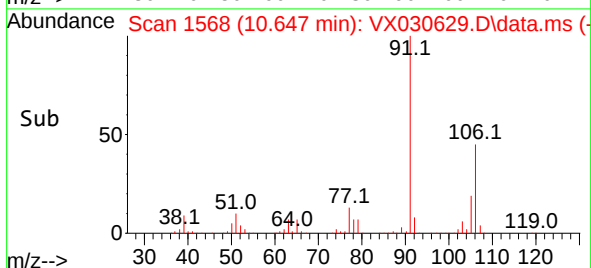
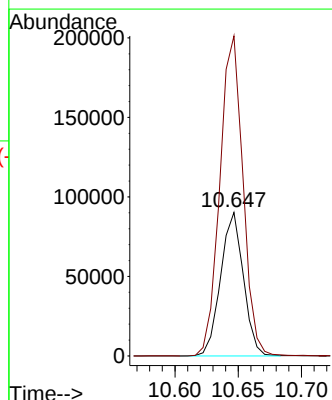
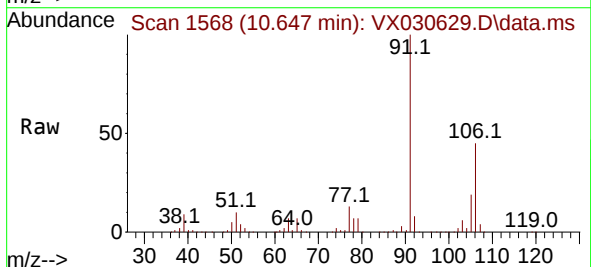
Instrument :
MSVOA_X
ClientSampleId :
X3C26

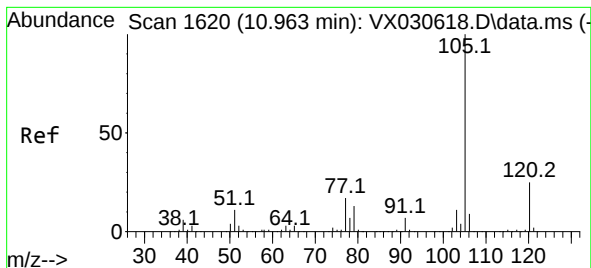
Tgt Ion: 91 Resp: 755505
Ion Ratio Lower Upper
91 100
106 29.8 21.3 39.5



#54
o-Xylene
Concen: 33.872 ug/L
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX030629.D
Acq: 15 Aug 2022 15:48

Tgt Ion: 106 Resp: 112939
Ion Ratio Lower Upper
106 100
91 222.9 157.8 293.0





#60

Isopropylbenzene

Concen: 93.434 ug/L

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030629.D

Acq: 15 Aug 2022 15:48

Instrument :

MSVOA_X

ClientSampleId :

X3C26

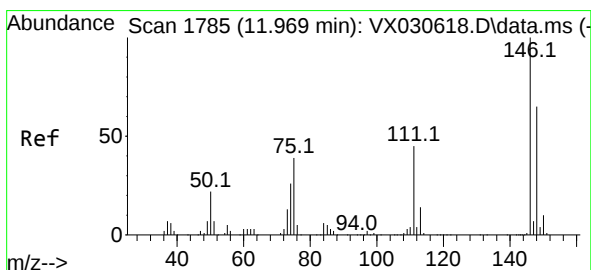
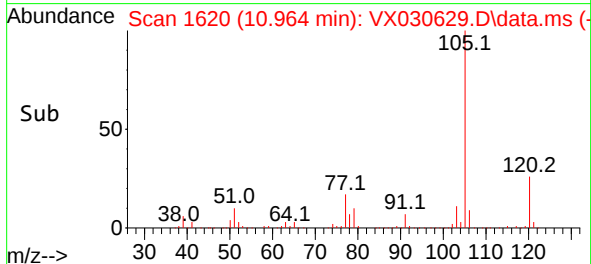
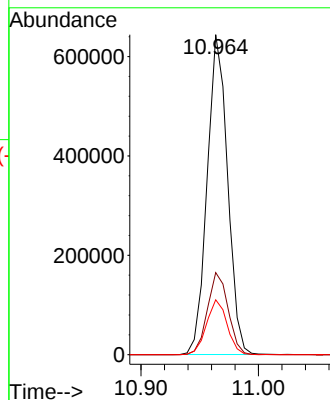
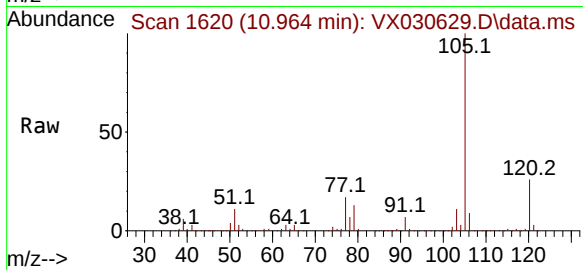
Tgt Ion:105 Resp: 777953

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 17.3 13.5 20.3



#64

1,3-Dichlorobenzene

Concen: 68.492 ug/L

RT: 11.970 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX030629.D

Acq: 15 Aug 2022 15:48

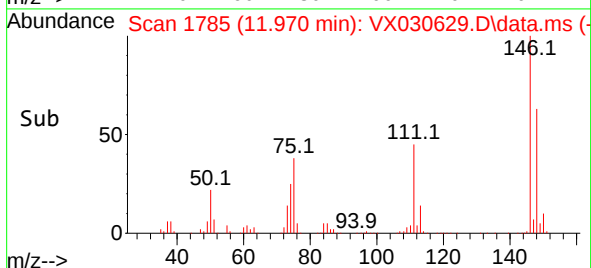
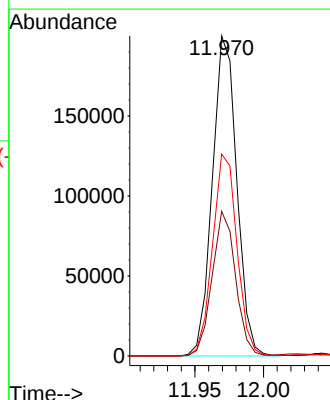
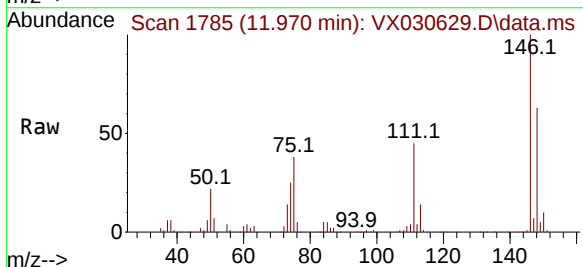
Tgt Ion:146 Resp: 247903

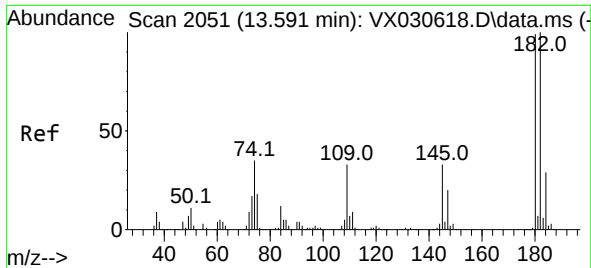
Ion Ratio Lower Upper

146 100

111 45.2 30.9 57.5

148 63.1 42.6 79.0





#70
 1,2,4-trichlorobenzene
 Concen: 54.312 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX030629.D
 Acq: 15 Aug 2022 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 X3C26

Tgt Ion:180 Resp: 121073
 Ion Ratio Lower Upper
 180 100
 182 94.9 72.7 109.1
 145 34.3 26.6 40.0

