

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061422\
 Data File : VX029465.D
 Acq On : 14 Jun 2022 15:20
 Operator : JC/MD
 Sample : N3248-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EXYY2

Quant Time: Jun 15 05:45:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML061322WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 15 05:41:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	369712	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	332429	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	162693	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	116467	40.687	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.380%
7) Chloroethane-d5	1.666	69	88934	49.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.980%
11) 1,1-Dichloroethene-d2	2.306	63	168338	32.640	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.280%
21) 2-Butanone-d5	4.458	46	181592	83.669	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.670%
24) Chloroform-d	5.062	84	223190	40.837	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.680%
26) 1,2-Dichloroethane-d4	5.958	65	145134	41.073	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.140%
32) Benzene-d6	5.976	84	464109	44.696	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	7.312	67	136199	44.783	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.560%
41) Toluene-d8	8.653	98	420476	42.952	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.900%
43) trans-1,3-Dichloroprop...	8.951	79	58946	39.306	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.620%
47) 2-Hexanone-d5	9.384	63	141485	86.011	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.010%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	191479	42.937	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.880%
66) 1,2-Dichlorobenzene-d4	12.323	152	145471	43.008	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.020%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.374	62	27069	8.406	ug/L	89
8) Chloroethane	1.685	64	247263	149.743	ug/L	99
12) 1,1-Dichloroethene	2.319	96	10951	4.368	ug/L #	1
13) Acetone	2.386	43	18948	13.099	ug/L	91
17) trans-1,2-Dichloroethene	3.093	96	2965	1.104	ug/L	92
19) 1,1-Dichloroethane	3.611	63	493032	103.967	ug/L	99
20) cis-1,2-Dichloroethene	4.489	96	444450	146.470	ug/L	98
22) 2-Butanone	4.574	43	9129	4.192	ug/L	99
30) 1,1,1-Trichloroethane	5.391	97	165833	35.969	ug/L	98
34) Trichloroethene	7.129	95	25988	6.783	ug/L	97
35) Methylcyclohexane	7.385	83	2672	0.552	ug/L	91
42) Toluene	8.720	91	33340	2.814	ug/L	97
46) Tetrachloroethene	9.275	164	41568	18.901	ug/L	93
52) Ethylbenzene	10.195	91	41405	3.194	ug/L	99
53) m,p-Xylene	10.305	106	5182	1.018	ug/L	95
54) o-Xylene	10.646	106	25969	5.174	ug/L	90
60) Isopropylbenzene	10.963	105	11999	0.944	ug/L	98
62) 1,3,5-Trimethylbenzene	11.457	105	54837	5.053	ug/L	94
63) 1,2,4-Trimethylbenzene	11.756	105	260857	24.208	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Jun 15 05:41:21 2022
Response via : Initial Calibration

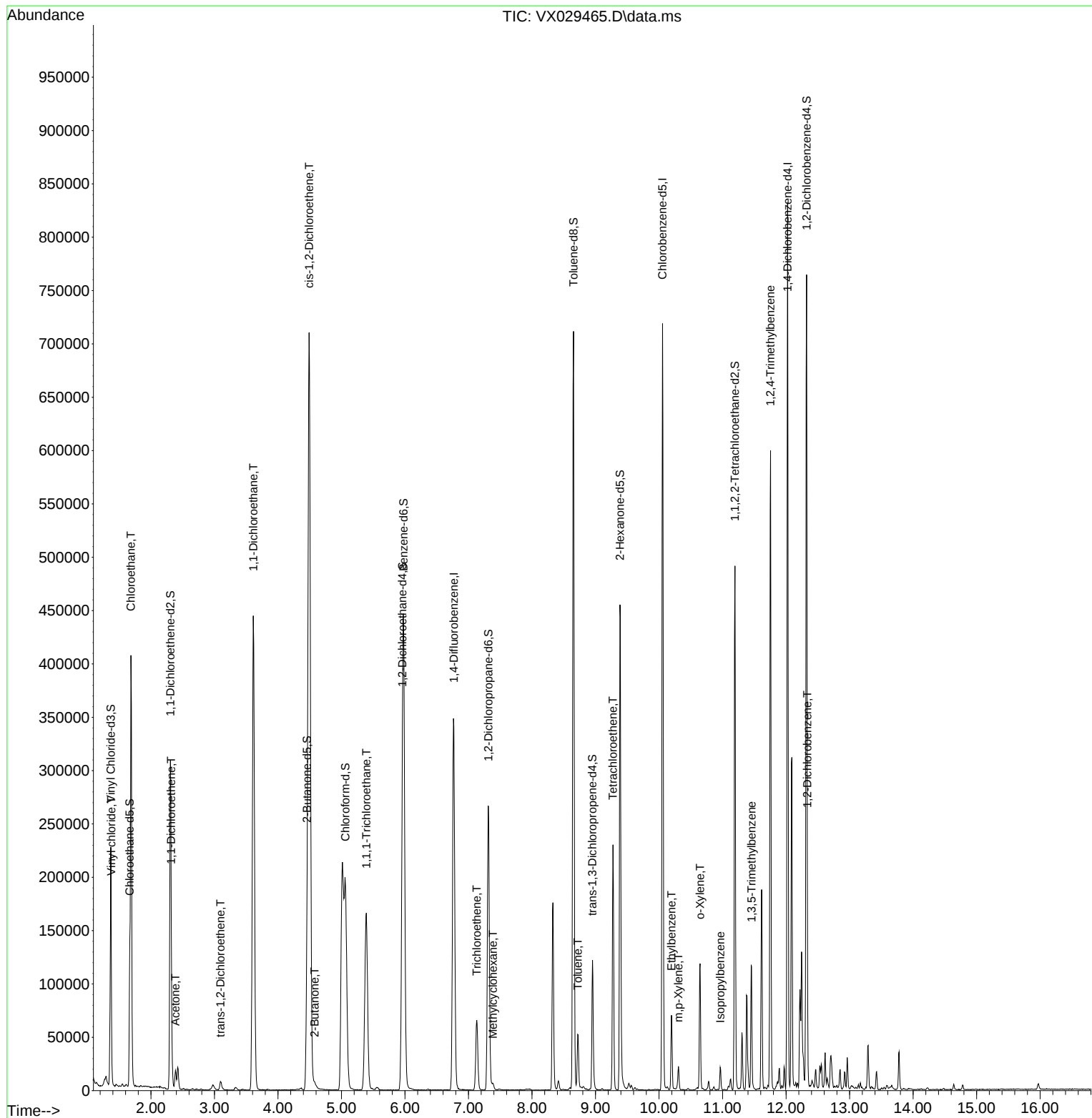
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.335	146	4511	0.850	ug/L	# 86

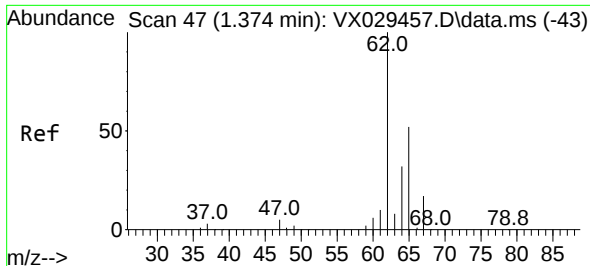
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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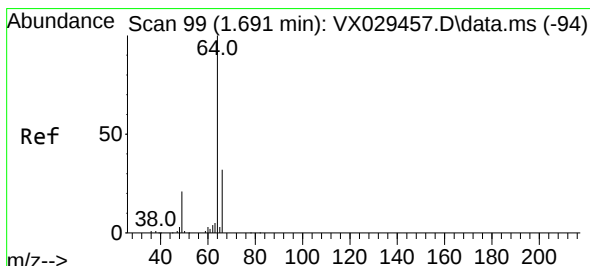
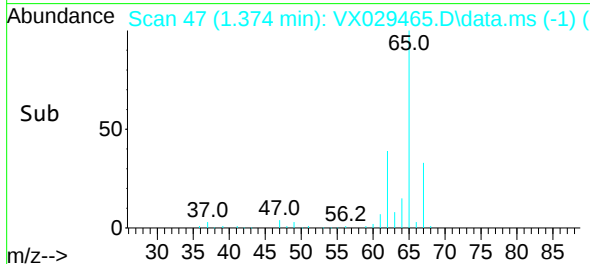
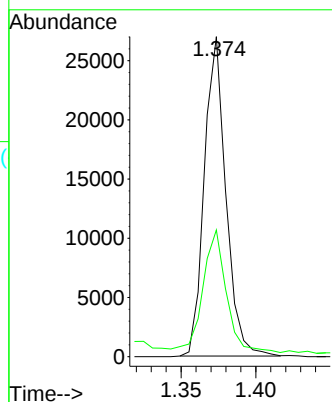
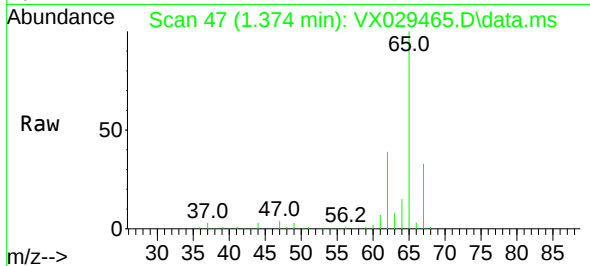




#5
 Vinyl chloride
 Concen: 8.406 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX029465.D
 Acq: 14 Jun 2022 15:20

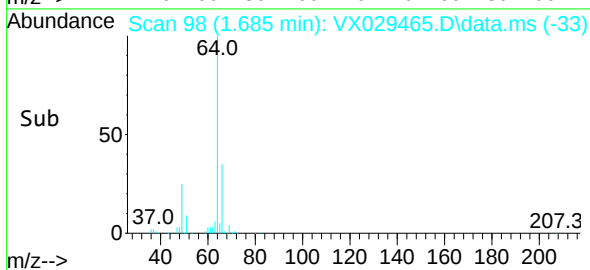
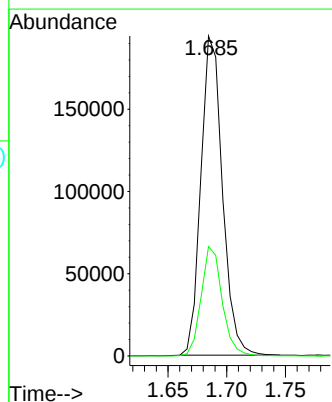
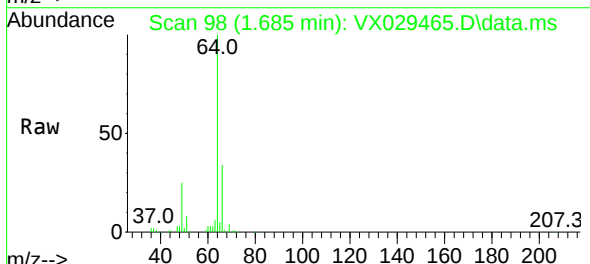
Instrument :
 MSVOA_X
 ClientSampleId :
 EXYY2

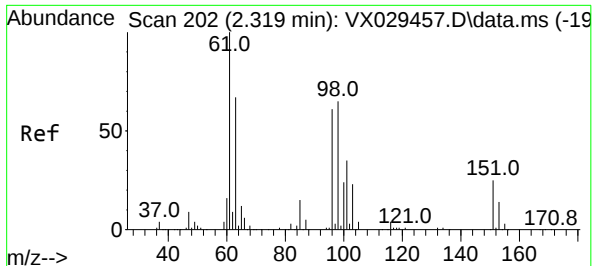
Tgt Ion: 62 Resp: 27069
 Ion Ratio Lower Upper
 62 100
 64 39.6 23.3 43.3



#8
 Chloroethane
 Concen: 149.743 ug/L
 RT: 1.685 min Scan# 98
 Delta R.T. -0.006 min
 Lab File: VX029465.D
 Acq: 14 Jun 2022 15:20

Tgt Ion: 64 Resp: 247263
 Ion Ratio Lower Upper
 64 100
 66 34.2 24.2 45.0





#12

1,1-Dichloroethene

Concen: 4.368 ug/L

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX029465.D

Acq: 14 Jun 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

EXYY2

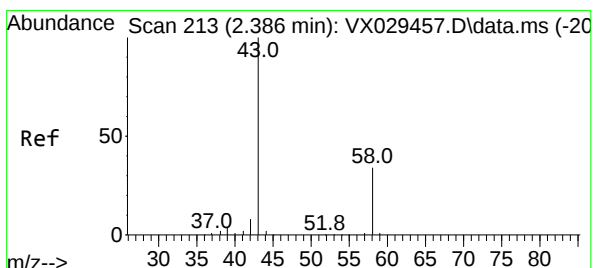
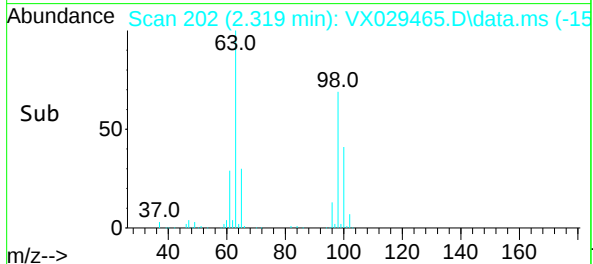
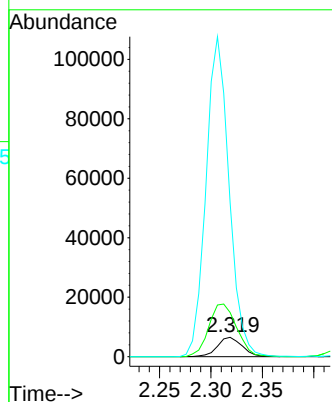
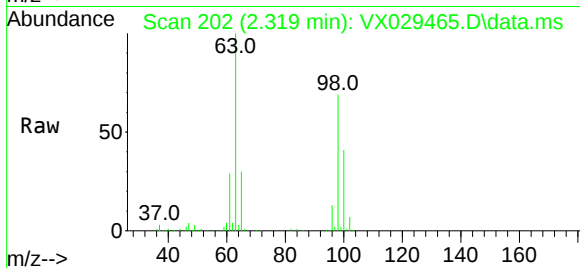
Tgt Ion: 96 Resp: 10951

Ion Ratio Lower Upper

96 100

61 227.4 118.2 219.4#

63 793.6 109.6 203.4#



#13

Acetone

Concen: 13.099 ug/L

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX029465.D

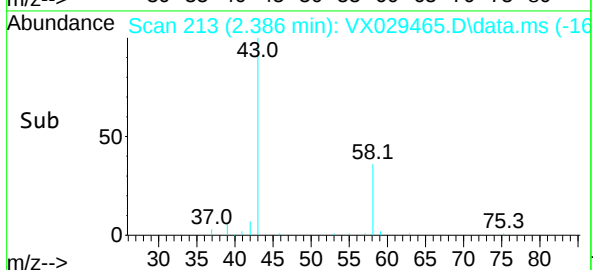
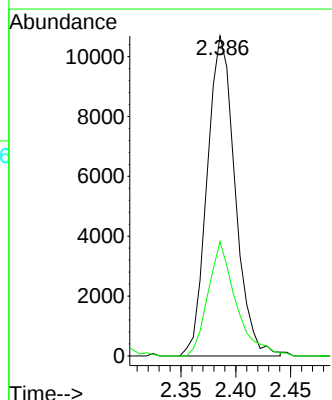
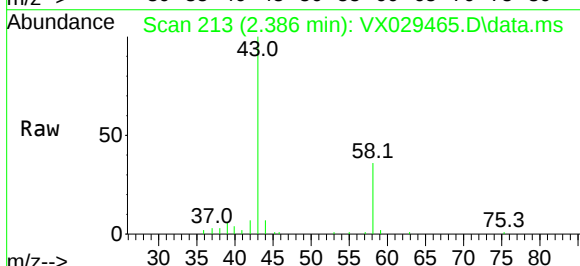
Acq: 14 Jun 2022 15:20

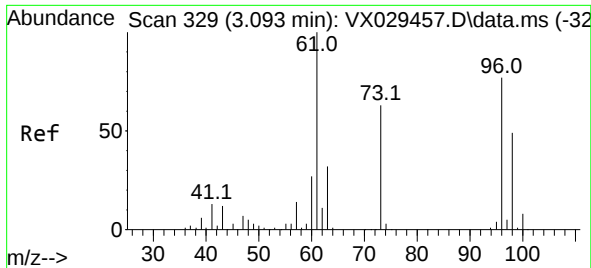
Tgt Ion: 43 Resp: 18948

Ion Ratio Lower Upper

43 100

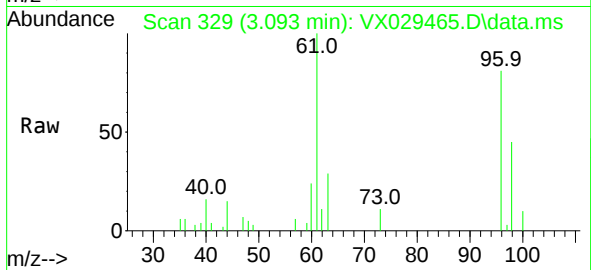
58 35.7 0.0 61.4



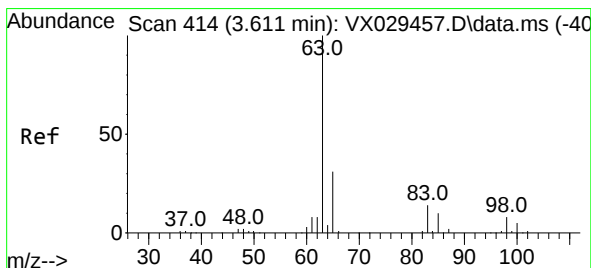
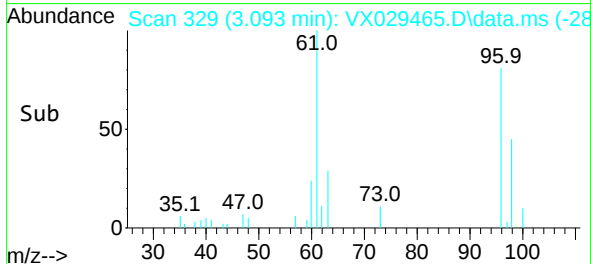
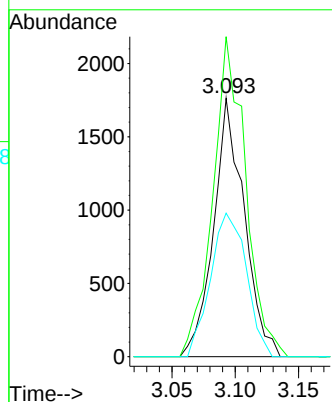


#17
trans-1,2-Dichloroethene
Concen: 1.104 ug/L
RT: 3.093 min Scan# 317
Delta R.T. -0.000 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

Instrument :
MSVOA_X
ClientSampleId :
EXYY2

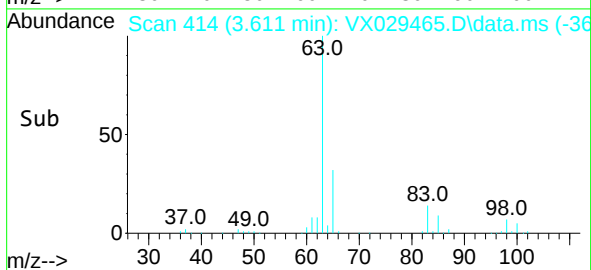
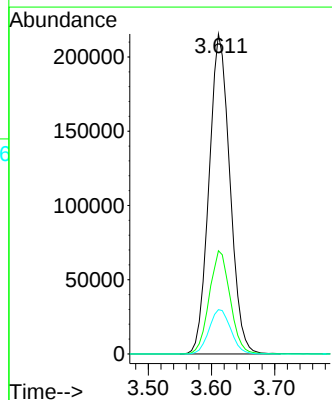
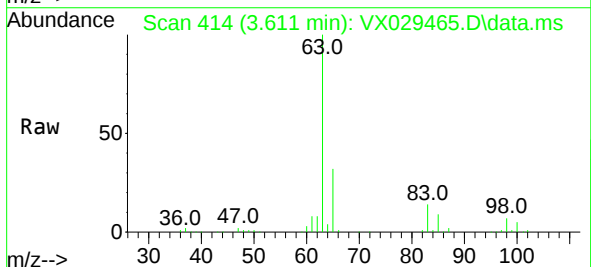


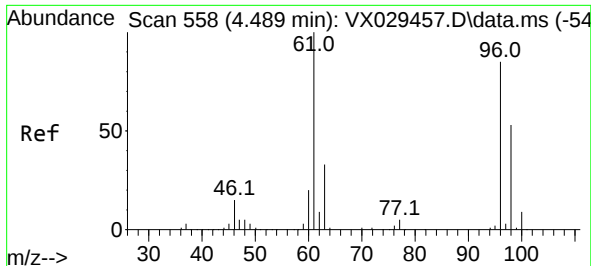
Tgt Ion: 96	Resp: 2965		
Ion Ratio	Lower	Upper	
96	100		
61	123.8	93.0	172.6
98	55.5	44.3	82.3



#19
1,1-Dichloroethane
Concen: 103.967 ug/L
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

Tgt Ion: 63	Resp: 493032
Ion Ratio	Lower Upper
63 100	
65 32.3	22.9 42.5
83 13.8	10.1 18.9

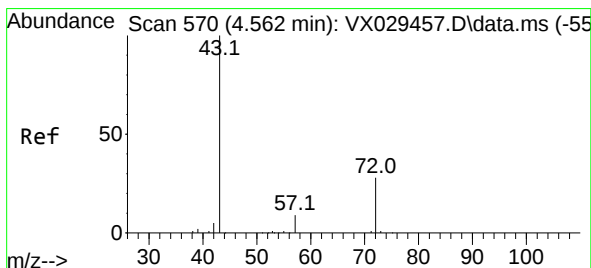
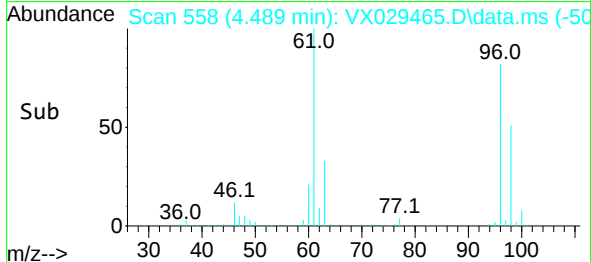
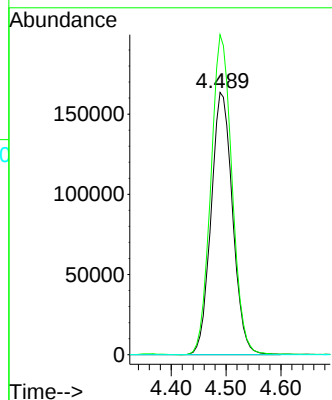
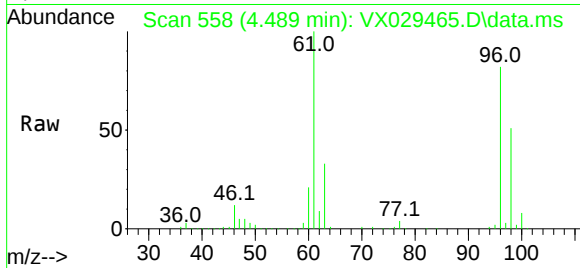




#20
 cis-1,2-Dichloroethene
 Concen: 146.470 ug/L
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX029465.D
 Acq: 14 Jun 2022 15:20

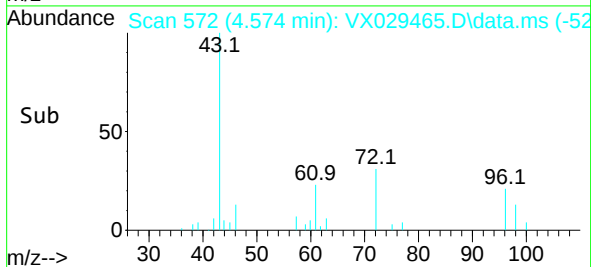
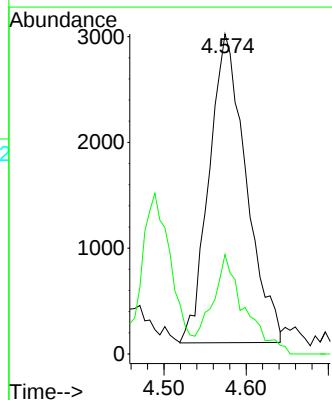
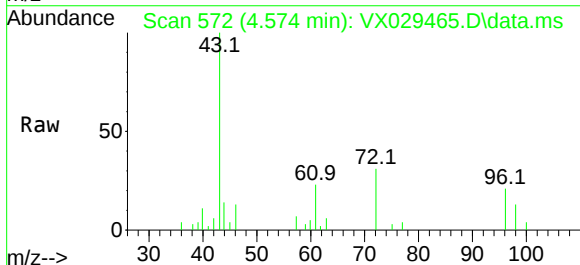
Instrument :
 MSVOA_X
 ClientSampleId :
 EXYY2

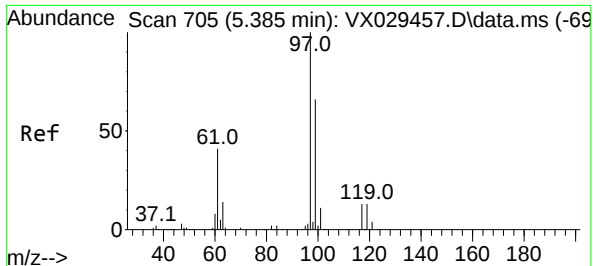
Tgt Ion: 96 Resp: 444450
 Ion Ratio Lower Upper
 96 100
 61 122.0 86.7 161.1
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 4.192 ug/L
 RT: 4.574 min Scan# 572
 Delta R.T. 0.012 min
 Lab File: VX029465.D
 Acq: 14 Jun 2022 15:20

Tgt Ion: 43 Resp: 9129
 Ion Ratio Lower Upper
 43 100
 72 26.6 13.2 39.5





#30

1,1,1-Trichloroethane

Concen: 35.969 ug/L

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029465.D

Acq: 14 Jun 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

EXYY2

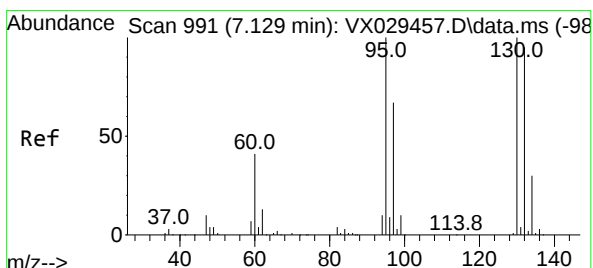
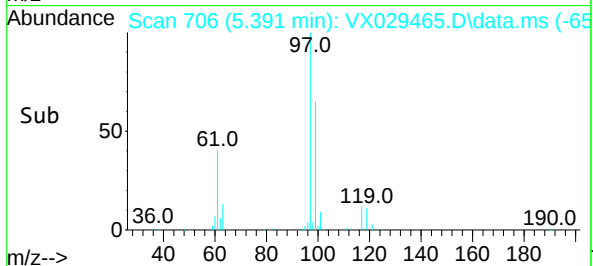
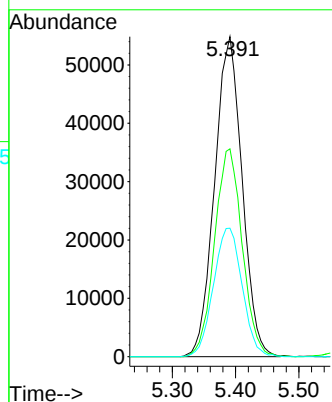
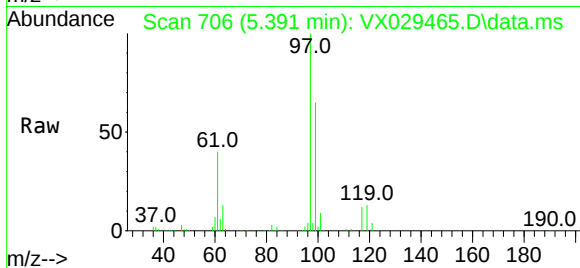
Tgt Ion: 97 Resp: 165833

Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

61 41.8 35.2 52.8



#34

Trichloroethene

Concen: 6.783 ug/L

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX029465.D

Acq: 14 Jun 2022 15:20

Tgt Ion: 95 Resp: 25988

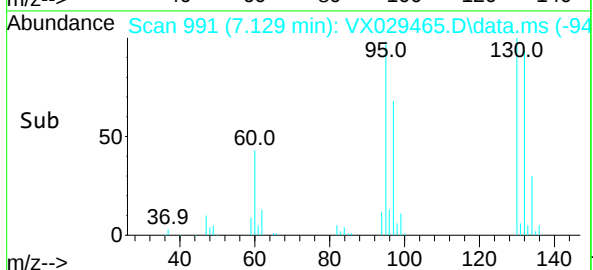
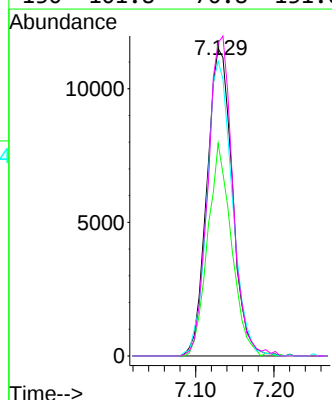
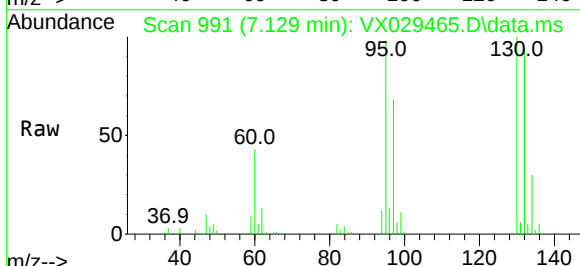
Ion Ratio Lower Upper

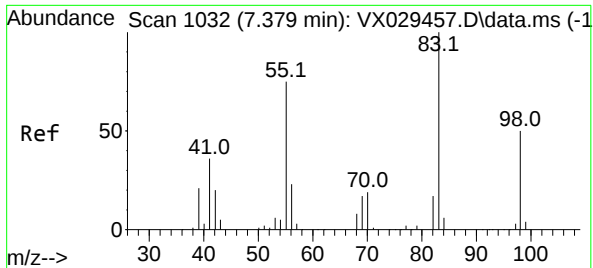
95 100

97 69.2 45.5 84.5

132 95.9 69.9 129.7

130 101.8 70.8 131.6

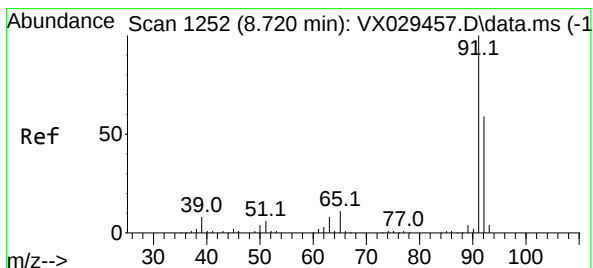
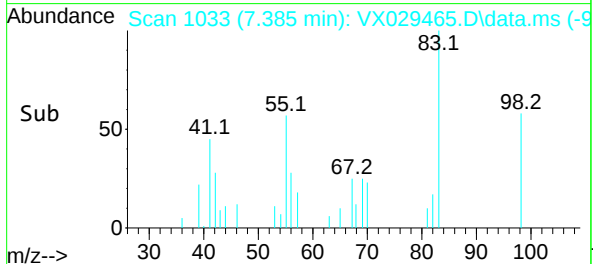
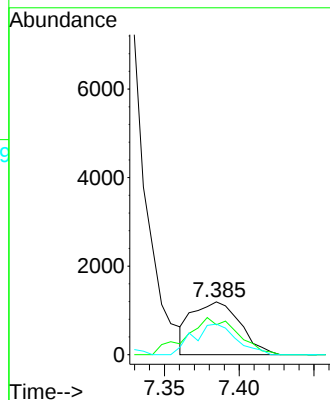
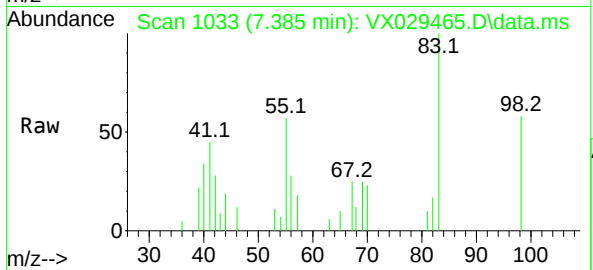




#35
Methylcyclohexane
Concen: 0.552 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

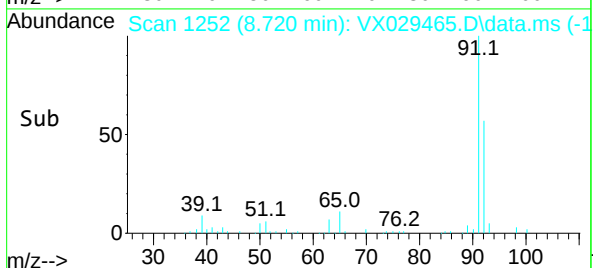
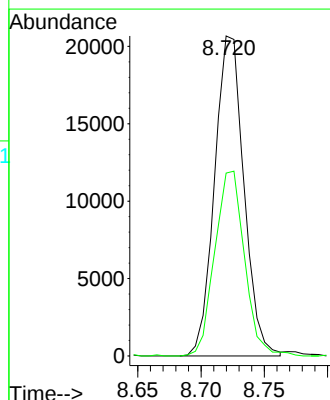
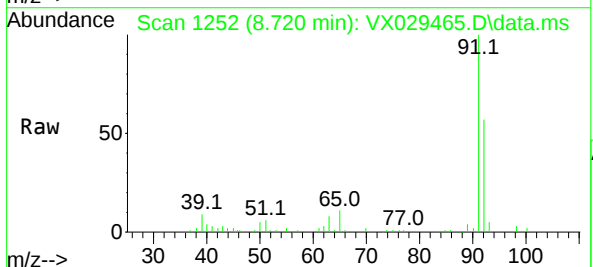
Instrument :
MSVOA_X
ClientSampleId :
EXYY2

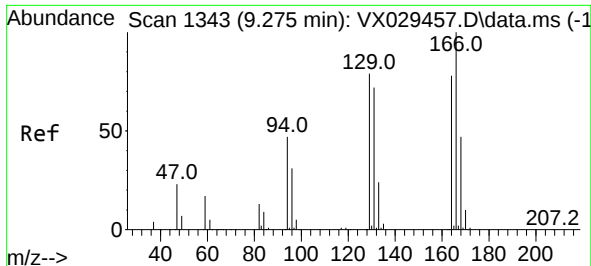
Tgt Ion: 83 Resp: 2672
Ion Ratio Lower Upper
83 100
55 63.5 60.6 90.8
98 51.4 39.8 59.8



#42
Toluene
Concen: 2.814 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

Tgt Ion: 91 Resp: 33340
Ion Ratio Lower Upper
91 100
92 57.1 41.5 77.1

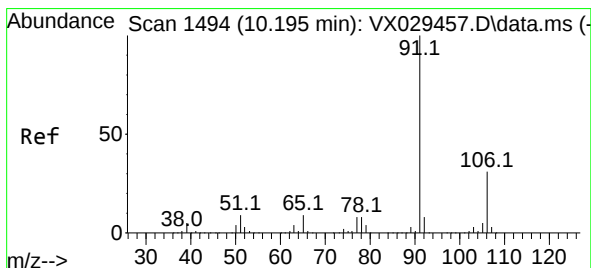
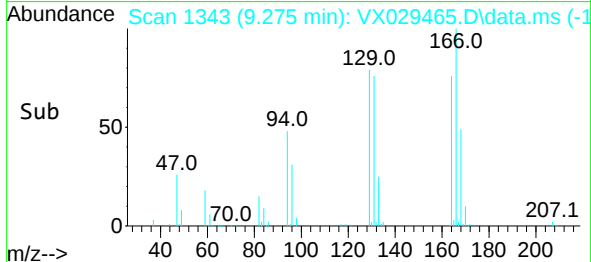
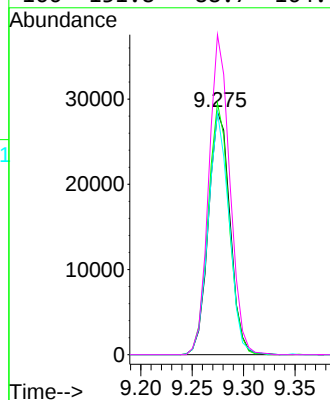
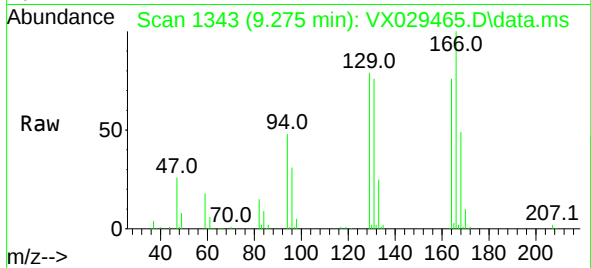




#46
Tetrachloroethene
Concen: 18.901 ug/L
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

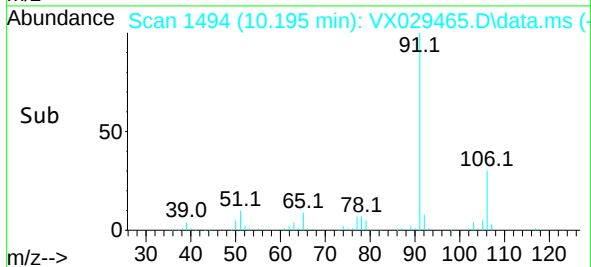
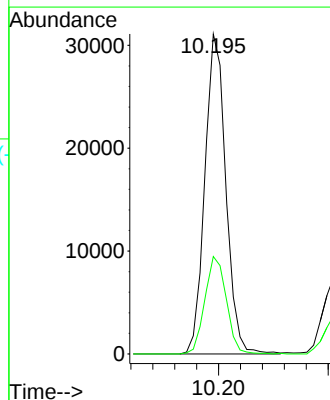
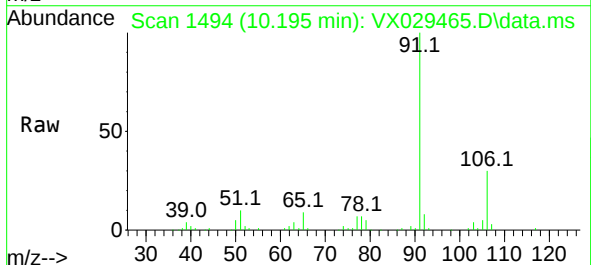
Instrument :
MSVOA_X
ClientSampleId :
EXYY2

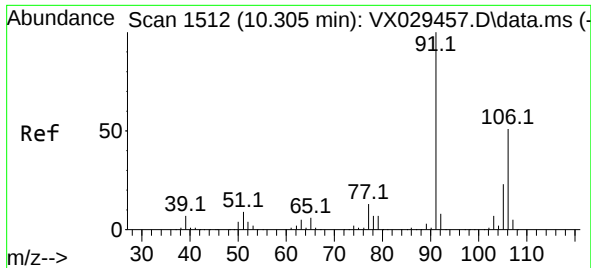
Tgt Ion:164	Resp:	41568
Ion	Ratio	Lower Upper
164	100	
129	103.6	65.5 121.7
131	99.9	64.3 119.3
166	131.8	88.7 164.7



#52
Ethylbenzene
Concen: 3.194 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

Tgt Ion: 91	Resp:	41405
Ion	Ratio	Lower Upper
91	100	
106	30.4	21.7 40.3

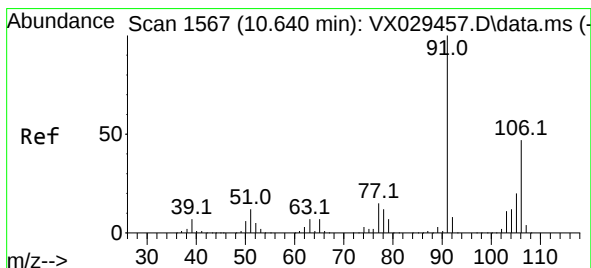
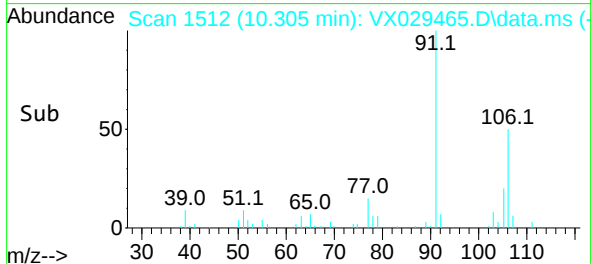
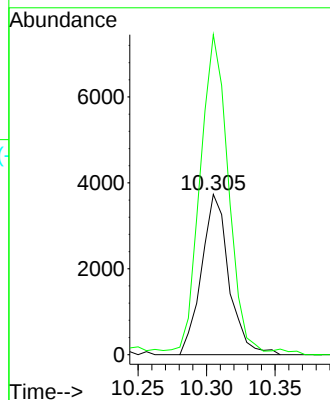
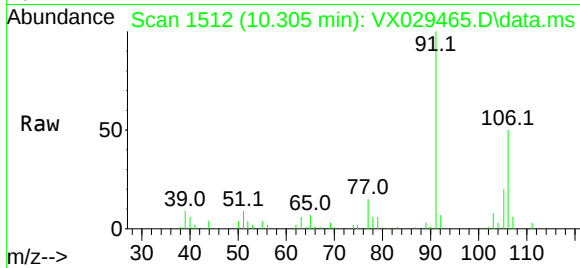




#53
m,p-Xylene
Concen: 1.018 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

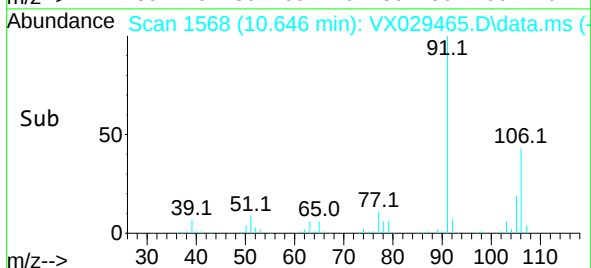
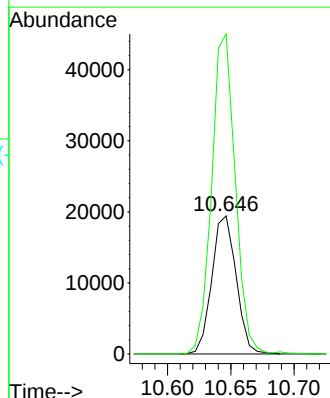
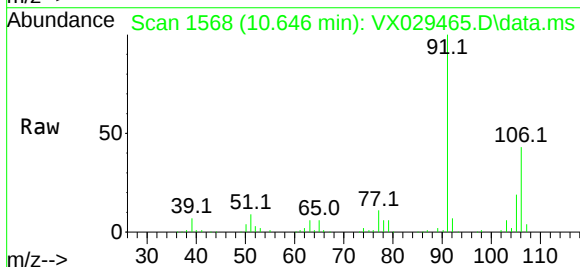
Instrument :
MSVOA_X
ClientSampleId :
EXYY2

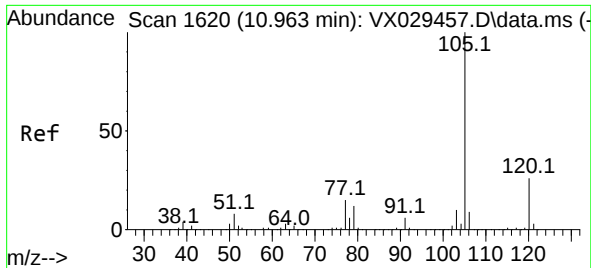
Tgt Ion:106 Resp: 5182
Ion Ratio Lower Upper
106 100
91 199.7 145.7 270.5



#54
o-Xylene
Concen: 5.174 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

Tgt Ion:106 Resp: 25969
Ion Ratio Lower Upper
106 100
91 231.7 151.2 280.8

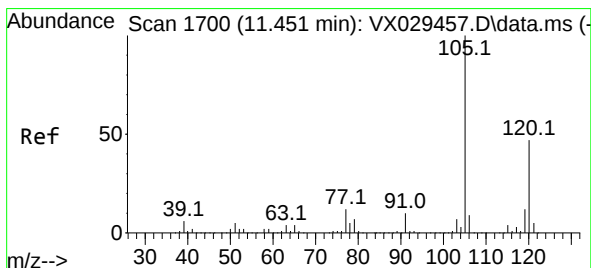
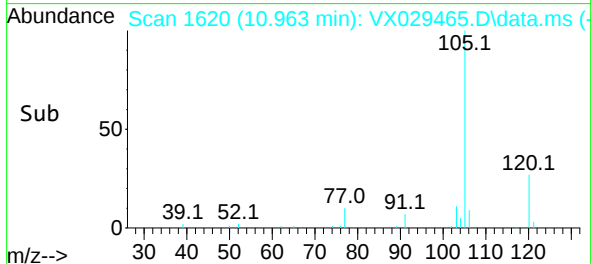
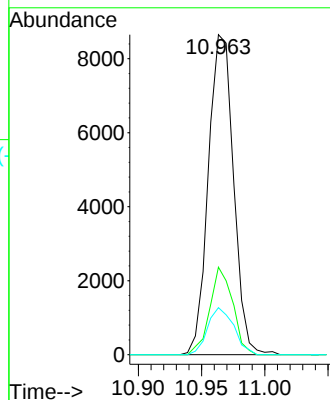
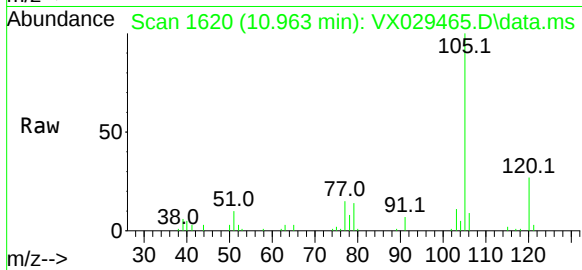




#60
Isopropylbenzene
Concen: 0.944 ug/L
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

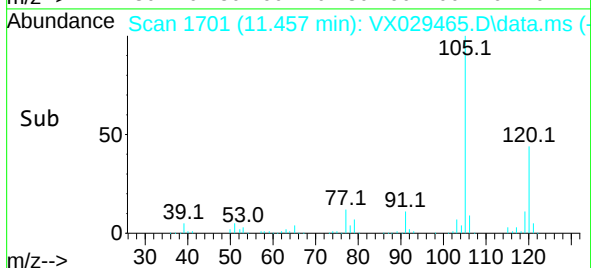
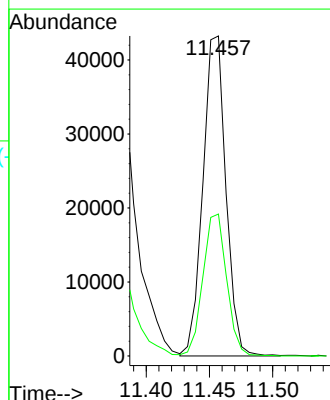
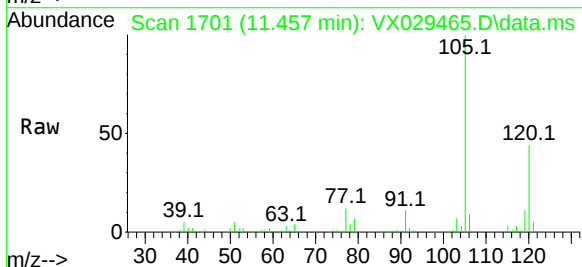
Instrument :
MSVOA_X
ClientSampleId :
EXYY2

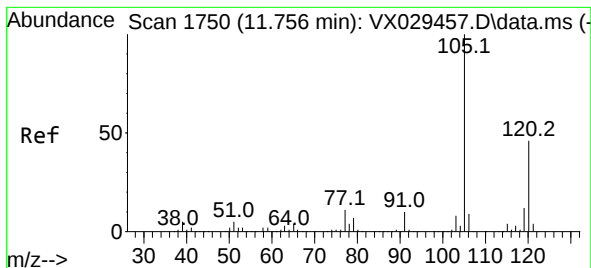
Tgt Ion:105 Resp: 11999
Ion Ratio Lower Upper
105 100
120 24.8 21.2 31.8
77 15.3 12.5 18.7



#62
1,3,5-Trimethylbenzene
Concen: 5.053 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX029465.D
Acq: 14 Jun 2022 15:20

Tgt Ion:105 Resp: 54837
Ion Ratio Lower Upper
105 100
120 44.8 39.1 58.7





#63

1,2,4-Trimethylbenzene

Concen: 24.208 ug/L

RT: 11.756 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX029465.D

Acq: 14 Jun 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

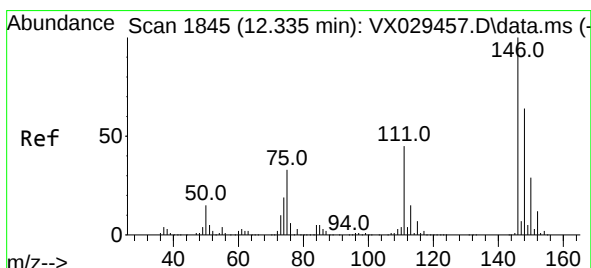
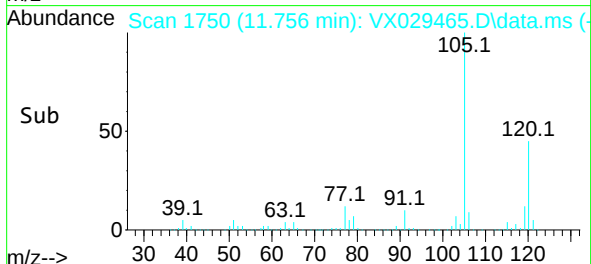
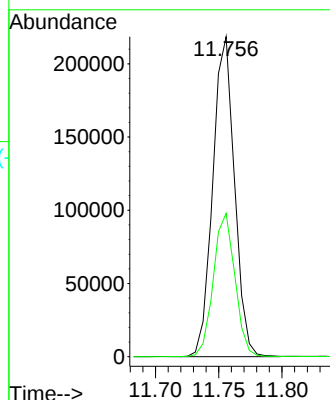
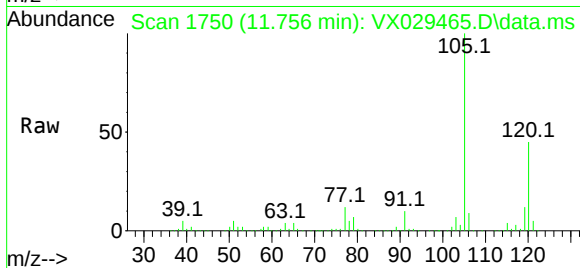
EXYY2

Tgt Ion:105 Resp: 260857

Ion Ratio Lower Upper

105 100

120 44.3 36.1 54.1



#67

1,2-Dichlorobenzene

Concen: 0.850 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX029465.D

Acq: 14 Jun 2022 15:20

Tgt Ion:146 Resp: 4511

Ion Ratio Lower Upper

146 100

111 55.8 34.5 51.7#

148 72.5 51.9 77.9

