

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061422\
 Data File : VX029489.D
 Acq On : 15 Jun 2022 00:39
 Operator : JC/MD
 Sample : N3248-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EXYY5

Quant Time: Jun 15 07:17:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML061322WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 15 07:14:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	316396	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	288705	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	143478	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	109360	44.642	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.280%
7) Chloroethane-d5	1.666	69	87474	57.458	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.920%
11) 1,1-Dichloroethene-d2	2.307	63	158255	35.855	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.720%
21) 2-Butanone-d5	4.459	46	182687	98.358	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.360%
24) Chloroform-d	5.062	84	225589	48.231	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.460%
26) 1,2-Dichloroethane-d4	5.958	65	145089	47.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
32) Benzene-d6	5.977	84	461631	51.190	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.380%
36) 1,2-Dichloropropane-d6	7.312	67	139631	52.865	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.720%
41) Toluene-d8	8.653	98	424135	49.887	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.780%
43) trans-1,3-Dichloroprop...	8.952	79	57265	43.968	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.940%
47) 2-Hexanone-d5	9.385	63	141401	98.978	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.980%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	199584	51.533	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.060%
66) 1,2-Dichlorobenzene-d4	12.323	152	156303	52.399	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
5) Vinyl chloride	1.374	62	17627	6.396	ug/L	89
8) Chloroethane	1.691	64	20772	14.699	ug/L	97
13) Acetone	2.386	43	3622	2.926	ug/L	99
19) 1,1-Dichloroethane	3.617	63	164322	40.490	ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	36031	13.875	ug/L	93
30) 1,1,1-Trichloroethane	5.385	97	138142	34.501	ug/L	98
34) Trichloroethene	7.129	95	28129	8.454	ug/L	95
35) Methylcyclohexane	7.379	83	9727	2.316	ug/L #	73
39) cis-1,3-Dichloropropene	8.324	75	4146	1.127	ug/L #	51
42) Toluene	8.726	91	12549	1.220	ug/L	94
44) trans-1,3-Dichloropropene	8.952	75	2522	0.731	ug/L	88
46) Tetrachloroethene	9.275	164	63676	33.339	ug/L	97
49) Dibromochloromethane	9.275	129	63294	24.971	ug/L #	11
52) Ethylbenzene	10.195	91	26759	2.377	ug/L	97
53) m,p-Xylene	10.305	106	6128	1.387	ug/L	86
60) Isopropylbenzene	10.964	105	12726	1.136	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	216046	22.573	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	599439	63.079	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	4584	0.979	ug/L #	88

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Instrument :
MSVOA_X
ClientSampleId :
EXYY5

Quant Time: Jun 15 07:17:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML061322WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 15 07:14:08 2022
Response via : Initial Calibration

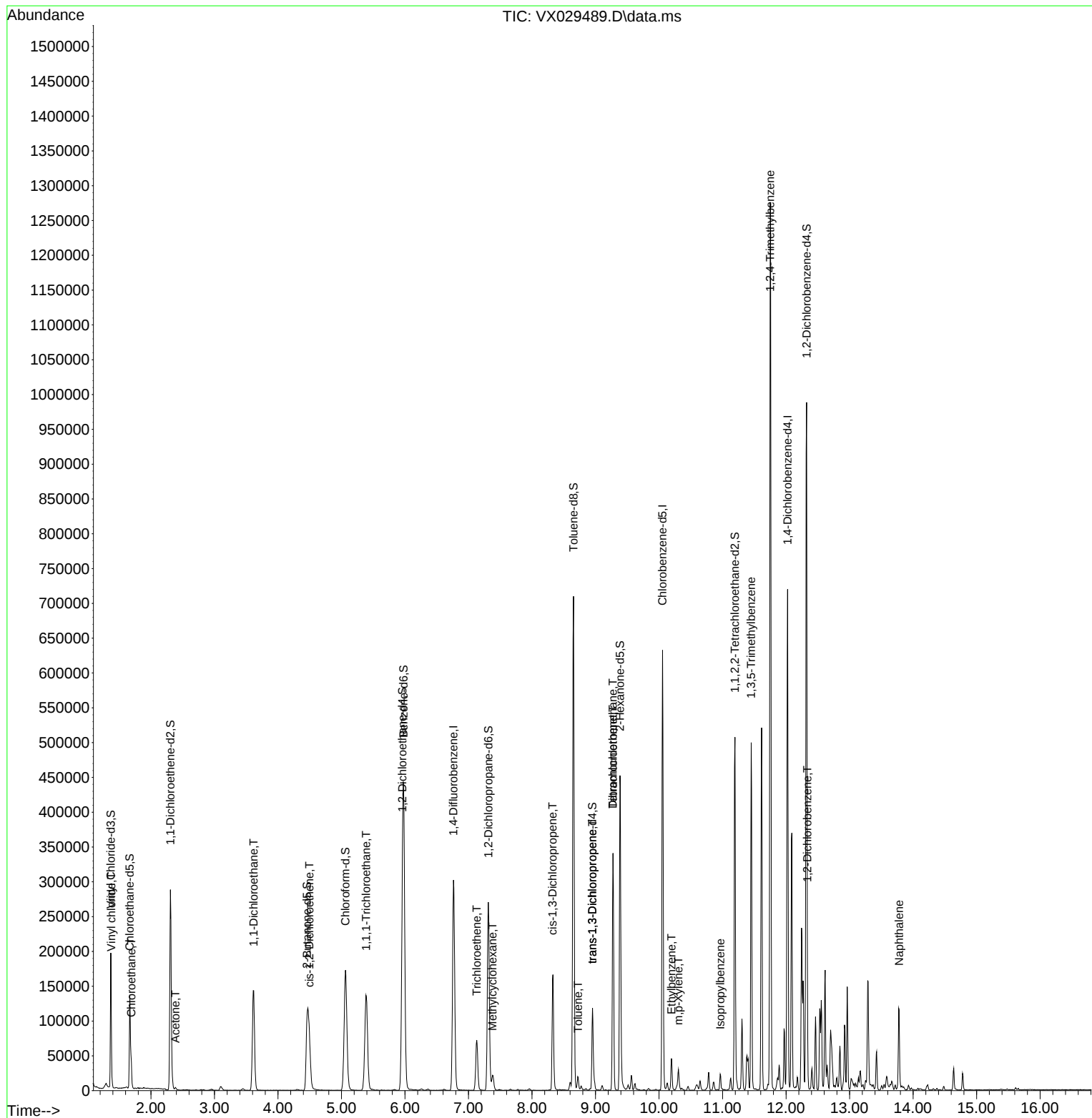
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) Naphthalene	13.780	128	74497	7.070 ug/L	100

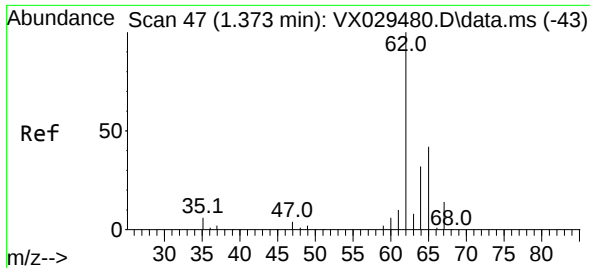
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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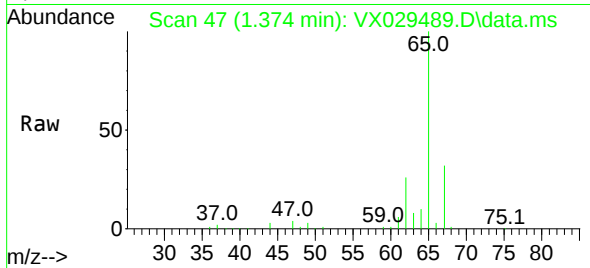
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML061322WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 15 07:14:08 2022
Response via : Initial Calibration



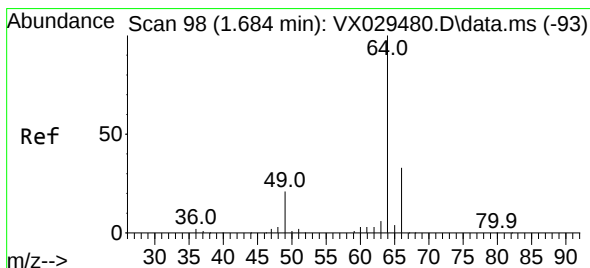
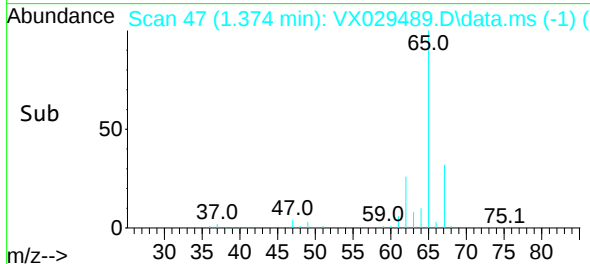
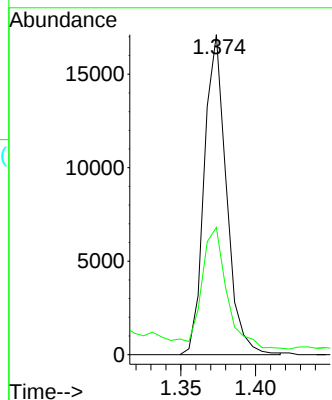


#5
 Vinyl chloride
 Concen: 6.396 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX029489.D
 Acq: 15 Jun 2022 00:39

Instrument :
 MSVOA_X
 ClientSampleId :
 EXYY5

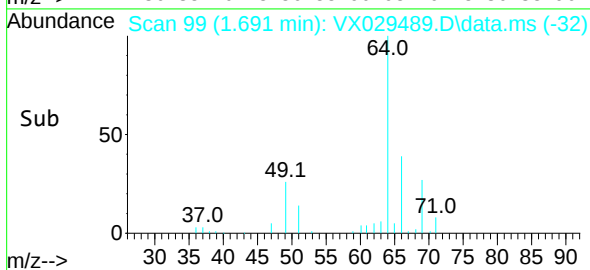
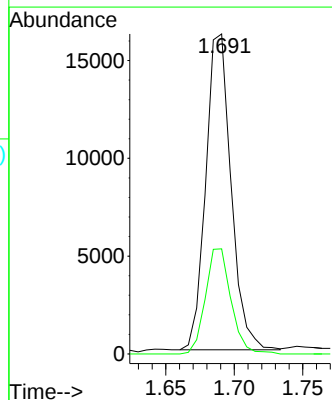
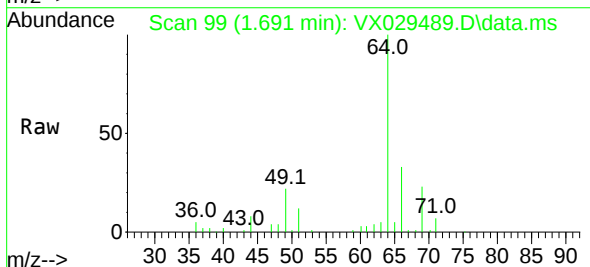


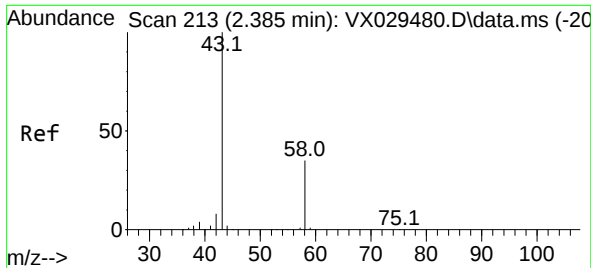
Tgt Ion: 62 Resp: 17627
 Ion Ratio Lower Upper
 62 100
 64 39.7 23.3 43.3



#8
 Chloroethane
 Concen: 14.699 ug/L
 RT: 1.691 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: VX029489.D
 Acq: 15 Jun 2022 00:39

Tgt Ion: 64 Resp: 20772
 Ion Ratio Lower Upper
 64 100
 66 32.8 24.2 45.0





#13

Acetone

Concen: 2.926 ug/L

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX029489.D

Acq: 15 Jun 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

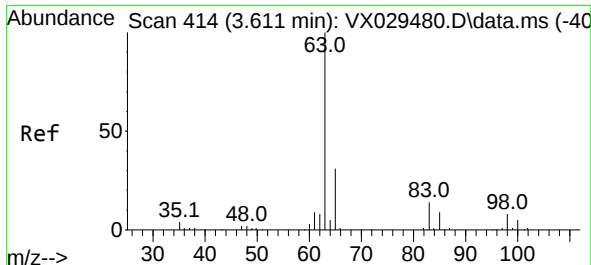
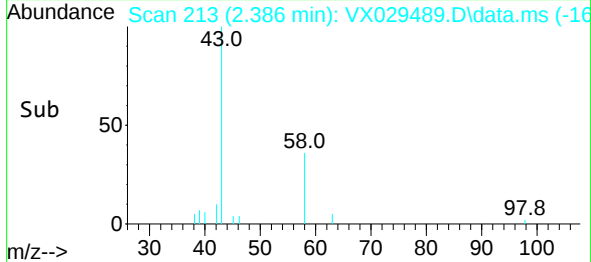
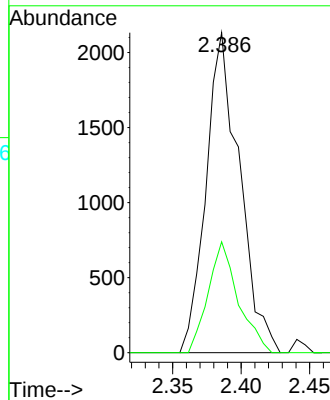
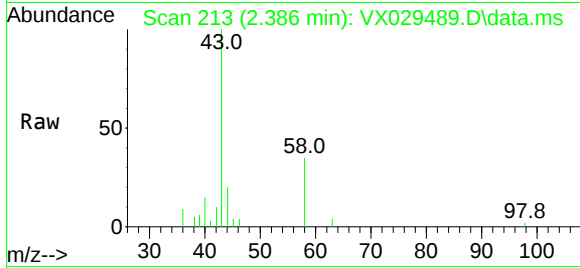
EXYY5

Tgt Ion: 43 Resp: 3622

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.4



#19

1,1-Dichloroethane

Concen: 40.490 ug/L

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX029489.D

Acq: 15 Jun 2022 00:39

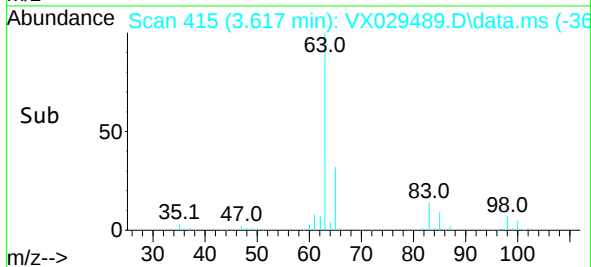
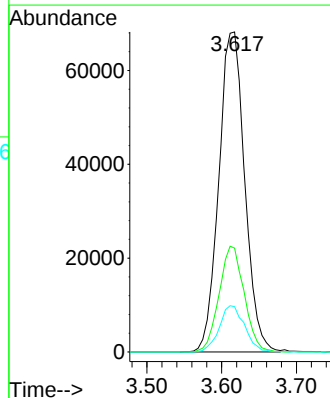
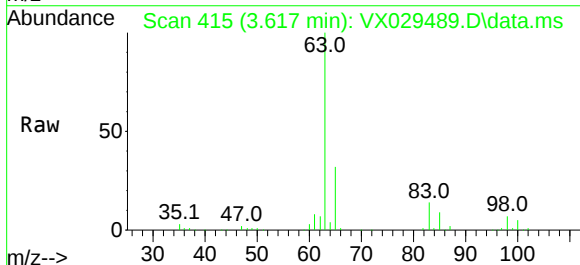
Tgt Ion: 63 Resp: 164322

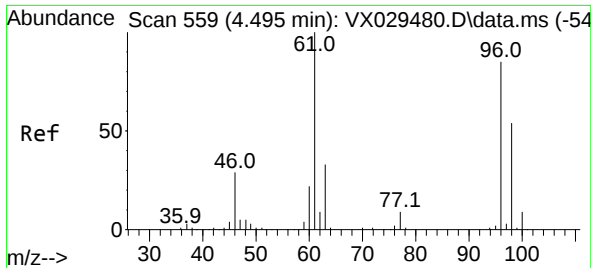
Ion Ratio Lower Upper

63 100

65 32.4 22.9 42.5

83 14.2 10.1 18.9

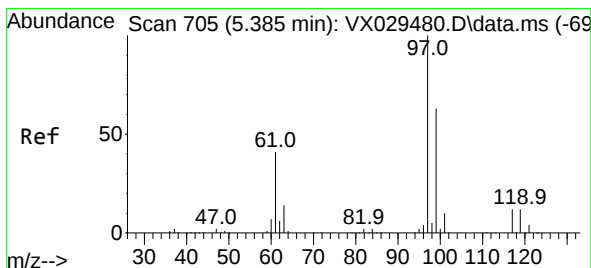
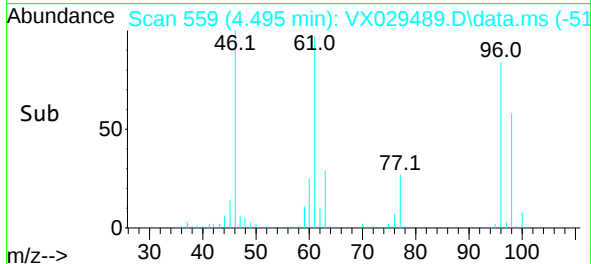
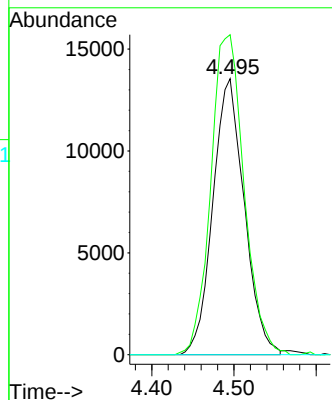
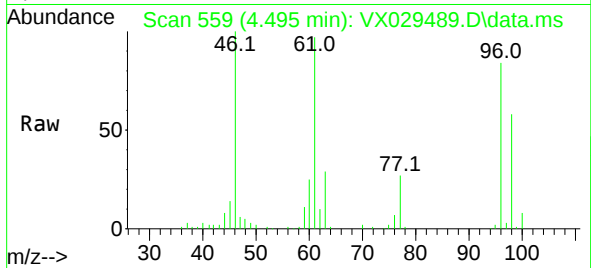




#20
 cis-1,2-Dichloroethene
 Concen: 13.875 ug/L
 RT: 4.495 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VX029489.D
 Acq: 15 Jun 2022 00:39

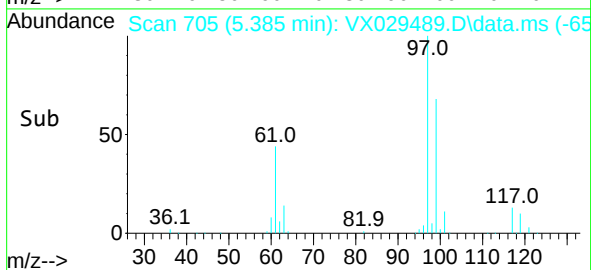
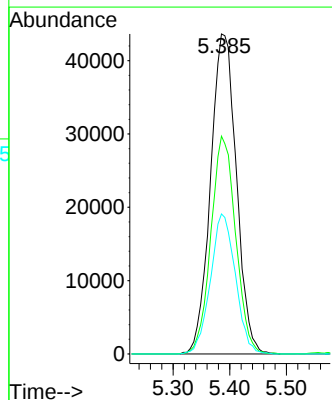
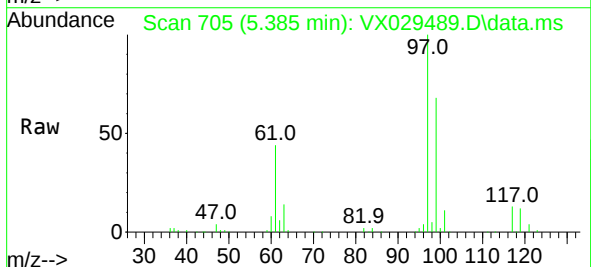
Instrument :
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 ClientSampleId :
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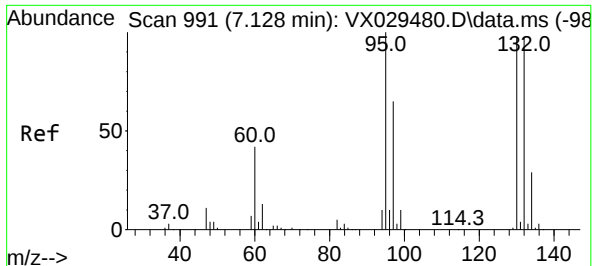
Tgt Ion: 96 Resp: 36031
 Ion Ratio Lower Upper
 96 100
 61 115.9 86.7 161.1
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 34.501 ug/L
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX029489.D
 Acq: 15 Jun 2022 00:39

Tgt Ion: 97 Resp: 138142
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.5 77.3
 61 42.3 35.2 52.8

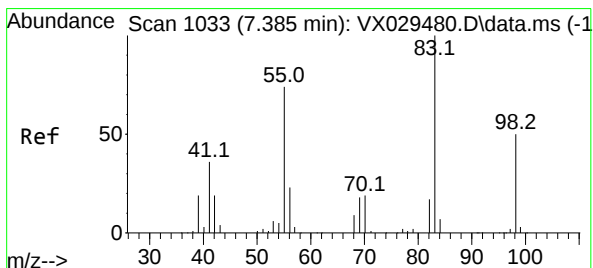
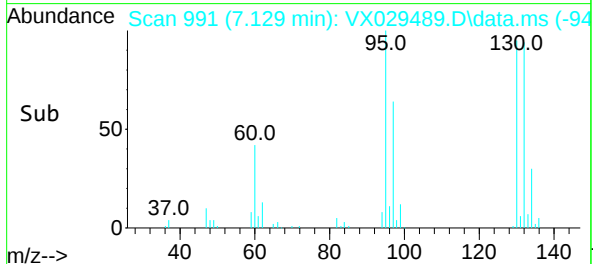
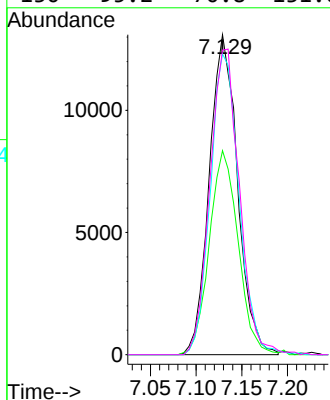
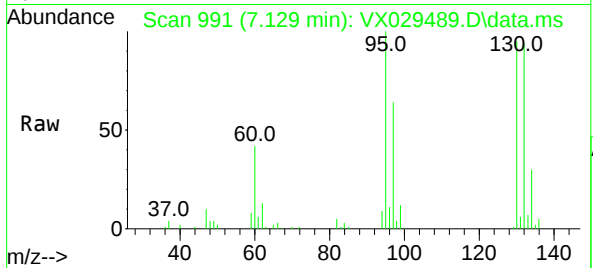




#34
Trichloroethene
Concen: 8.454 ug/L
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029489.D
Acq: 15 Jun 2022 00:39

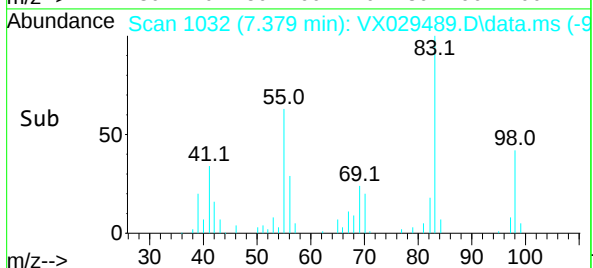
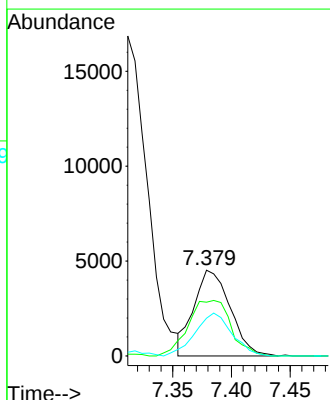
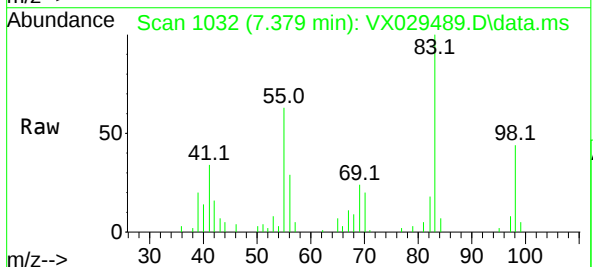
Instrument :
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ClientSampleId :
EXYY5

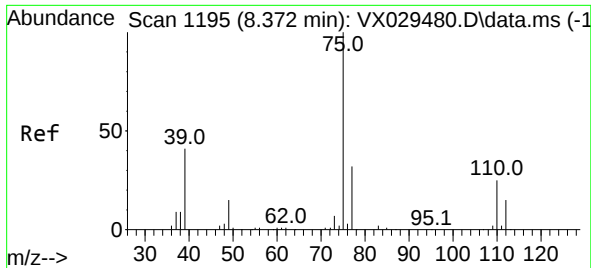
Tgt Ion: 95 Resp: 28129
Ion Ratio Lower Upper
95 100
97 63.7 45.5 84.5
132 94.0 69.9 129.7
130 95.2 70.8 131.6



#35
Methylcyclohexane
Concen: 2.316 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX029489.D
Acq: 15 Jun 2022 00:39

Tgt Ion: 83 Resp: 9727
Ion Ratio Lower Upper
83 100
55 38.7 60.6 90.8#
98 50.7 39.8 59.8





#39

cis-1,3-Dichloropropene

Concen: 1.127 ug/L

RT: 8.324 min Scan# 1195

Delta R.T. -0.048 min

Lab File: VX029489.D

Acq: 15 Jun 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

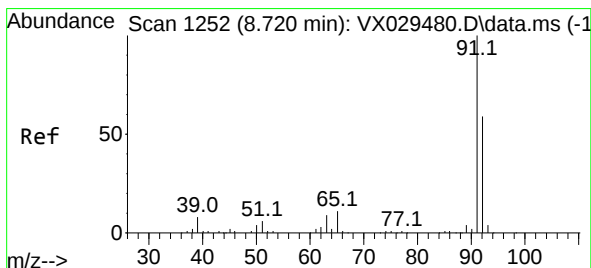
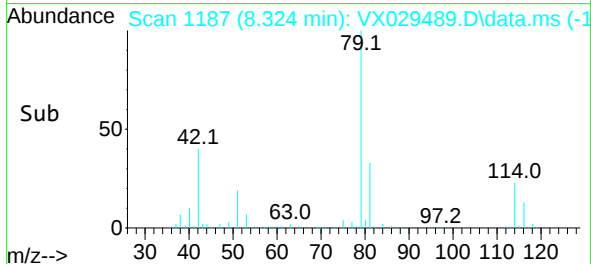
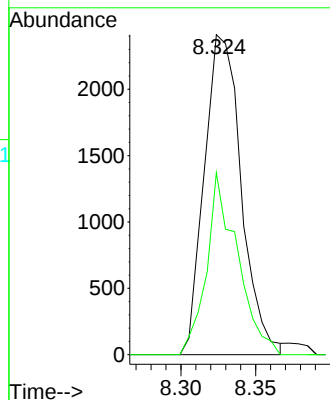
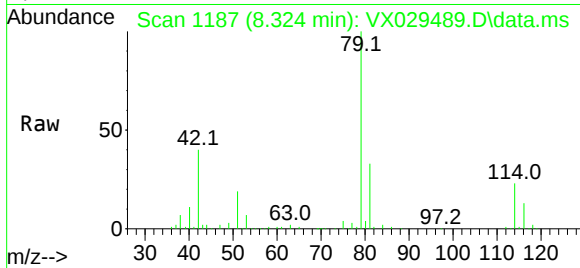
EXYY5

Tgt Ion: 75 Resp: 4146

Ion Ratio Lower Upper

75 100

77 56.9 21.1 39.1#



#42

Toluene

Concen: 1.220 ug/L

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX029489.D

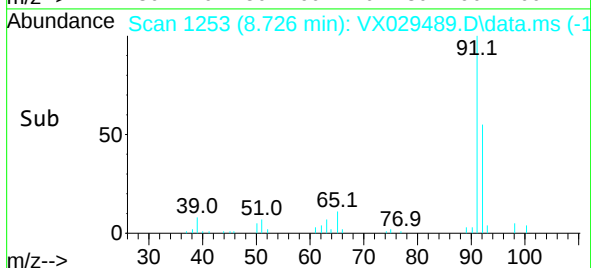
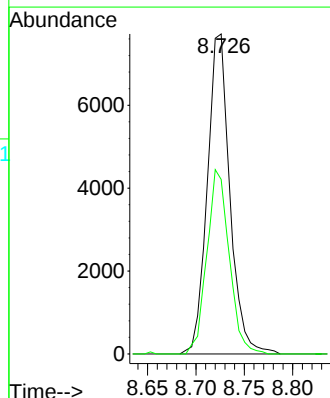
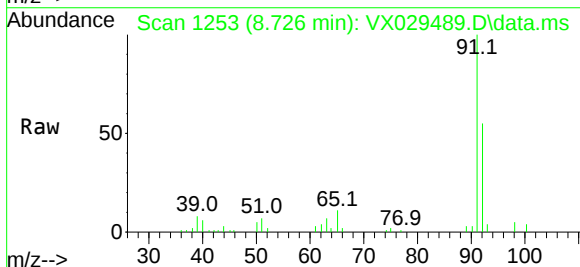
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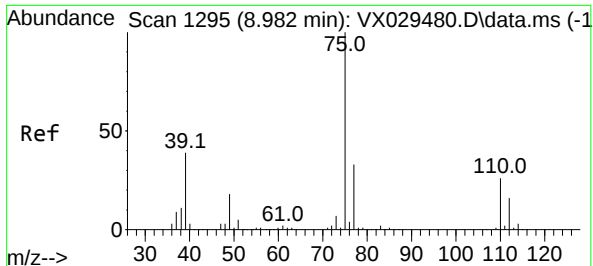
Tgt Ion: 91 Resp: 12549

Ion Ratio Lower Upper

91 100

92 54.5 41.5 77.1

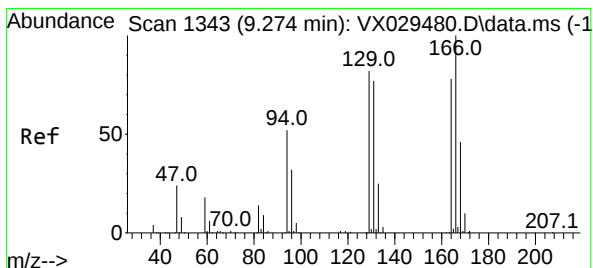
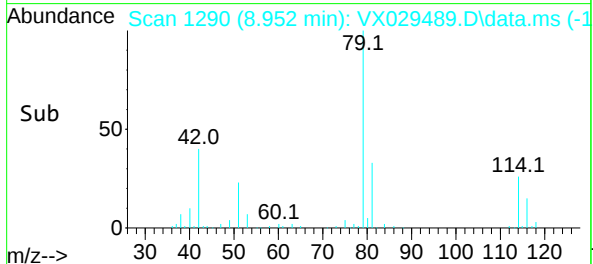
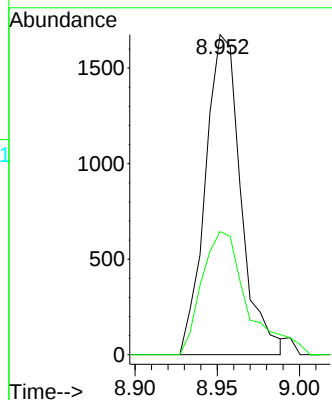
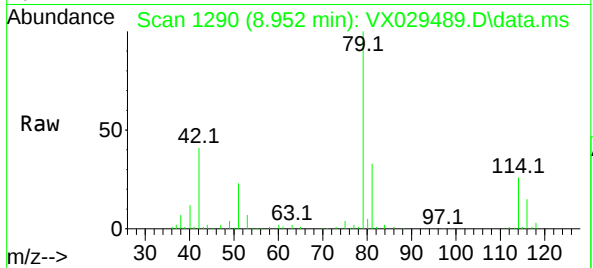




#44
trans-1,3-Dichloropropene
Concen: 0.731 ug/L
RT: 8.952 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX029489.D
Acq: 15 Jun 2022 00:39

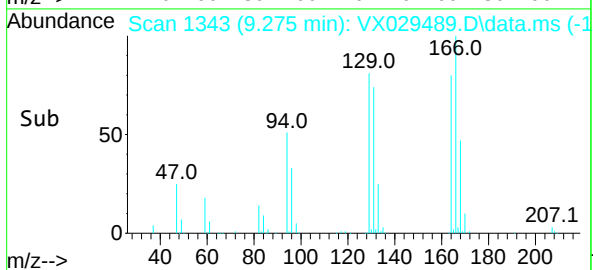
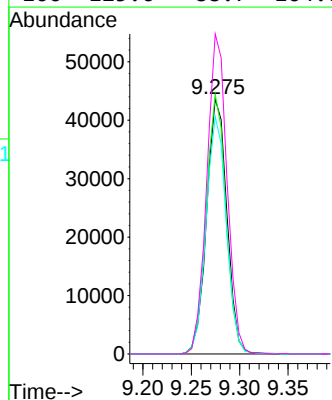
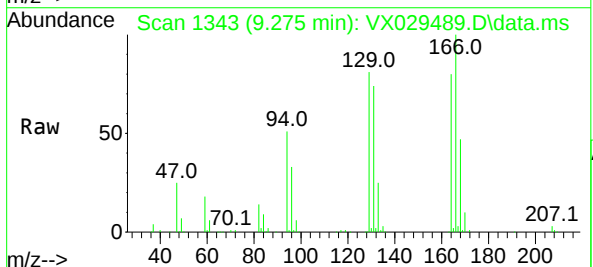
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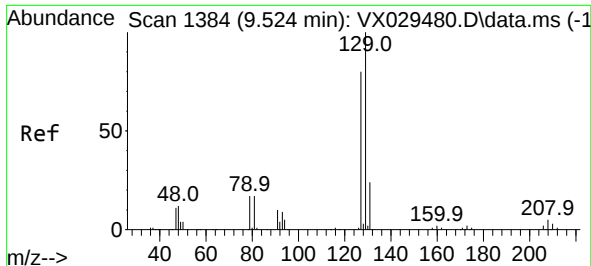
Tgt Ion: 75 Resp: 2522
Ion Ratio Lower Upper
75 100
77 38.4 22.3 41.3



#46
Tetrachloroethene
Concen: 33.339 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX029489.D
Acq: 15 Jun 2022 00:39

Tgt Ion: 164 Resp: 63676
Ion Ratio Lower Upper
164 100
129 101.9 65.5 121.7
131 93.2 64.3 119.3
166 125.6 88.7 164.7





#49

Dibromochloromethane

Concen: 24.971 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX029489.D

Acq: 15 Jun 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

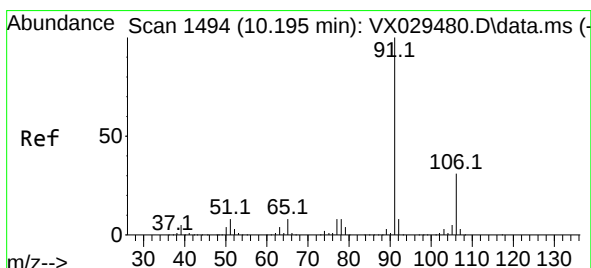
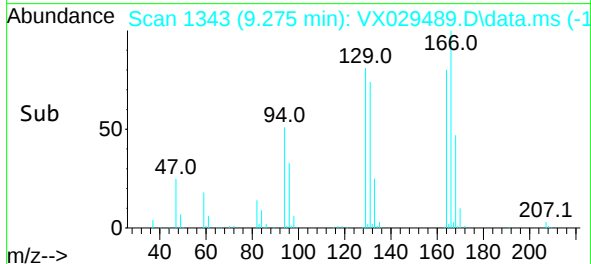
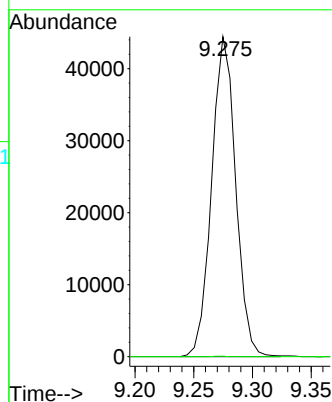
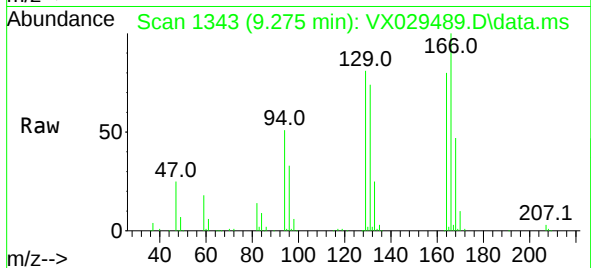
EXYY5

Tgt Ion:129 Resp: 63294

Ion Ratio Lower Upper

129 100

127 0.1 54.3 100.9#



#52

Ethylbenzene

Concen: 2.377 ug/L

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX029489.D

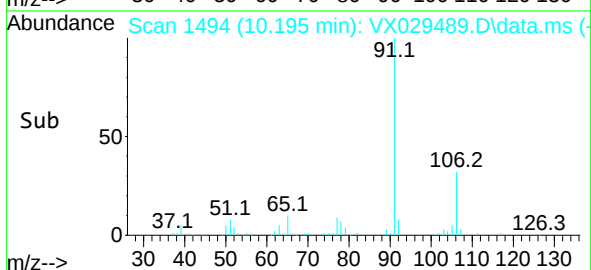
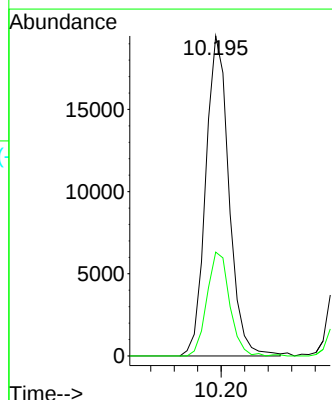
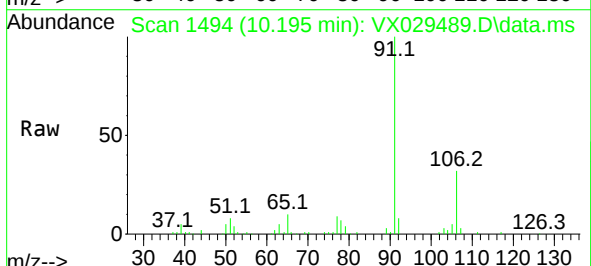
Acq: 15 Jun 2022 00:39

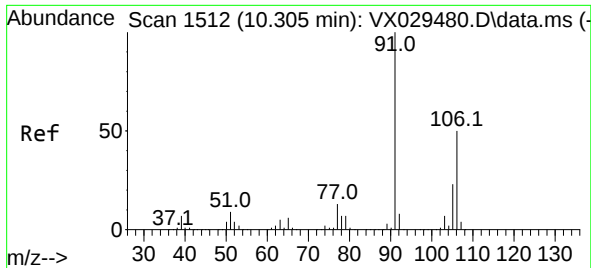
Tgt Ion: 91 Resp: 26759

Ion Ratio Lower Upper

91 100

106 32.5 21.7 40.3

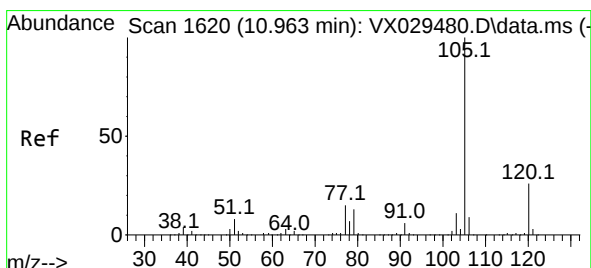
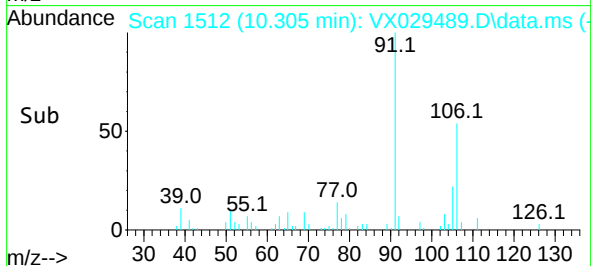
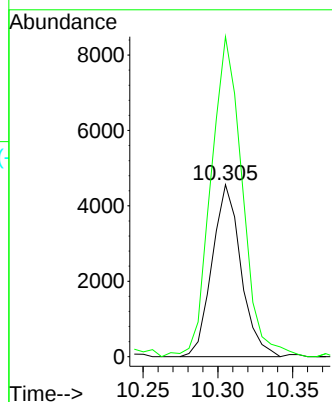
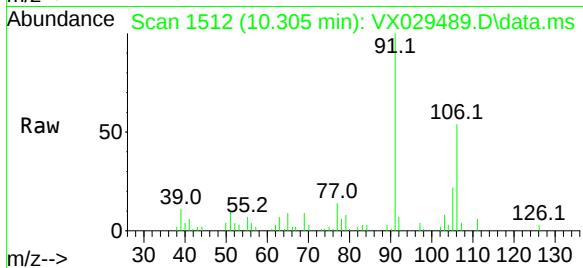




#53
m,p-Xylene
Concen: 1.387 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029489.D
Acq: 15 Jun 2022 00:39

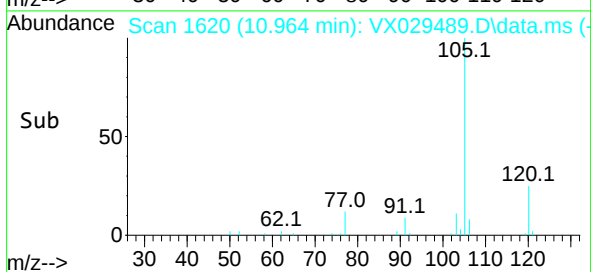
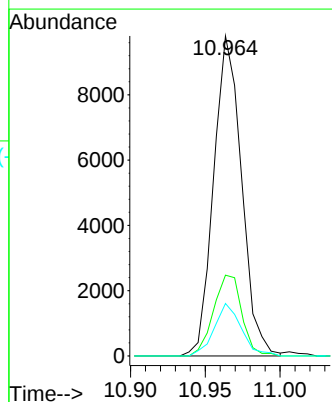
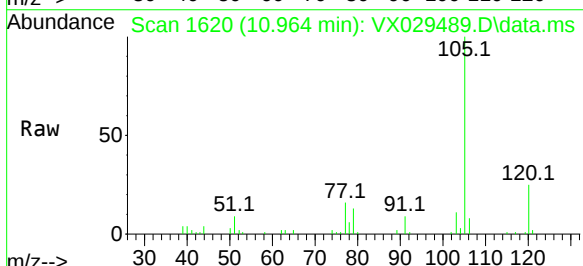
Instrument :
MSVOA_X
ClientSampleId :
EXYY5

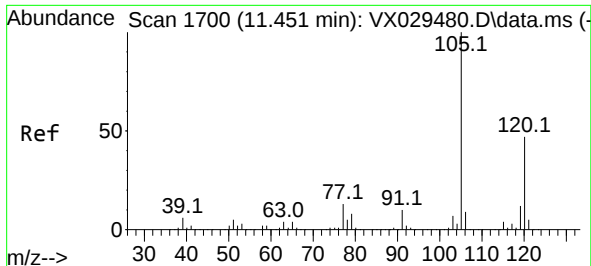
Tgt Ion:106 Resp: 6128
Ion Ratio Lower Upper
106 100
91 186.1 145.7 270.5



#60
Isopropylbenzene
Concen: 1.136 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX029489.D
Acq: 15 Jun 2022 00:39

Tgt Ion:105 Resp: 12726
Ion Ratio Lower Upper
105 100
120 25.7 21.2 31.8
77 16.0 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 22.573 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX029489.D

Acq: 15 Jun 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

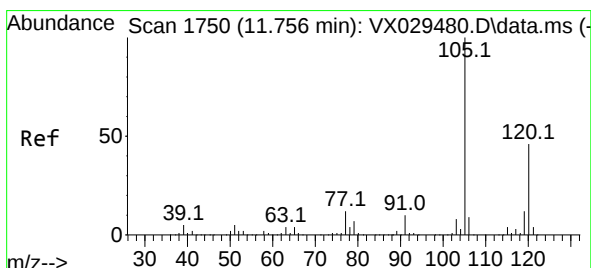
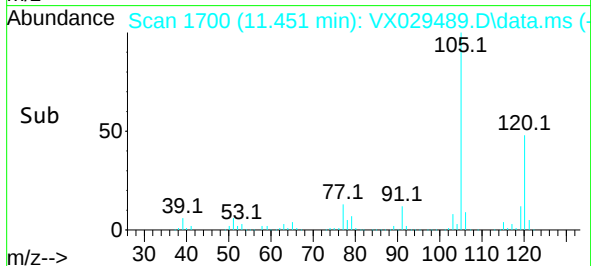
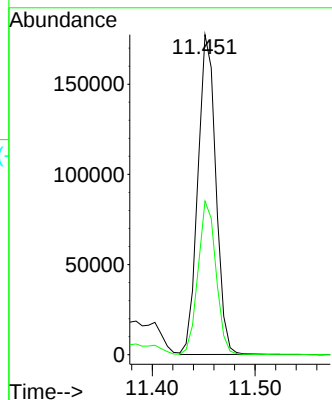
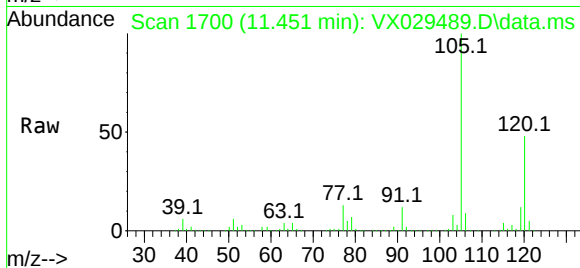
EXYY5

Tgt Ion:105 Resp: 216046

Ion Ratio Lower Upper

105 100

120 47.6 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 63.079 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX029489.D

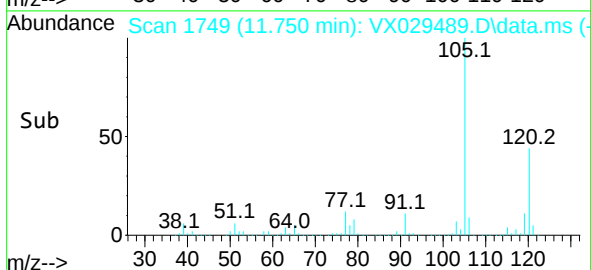
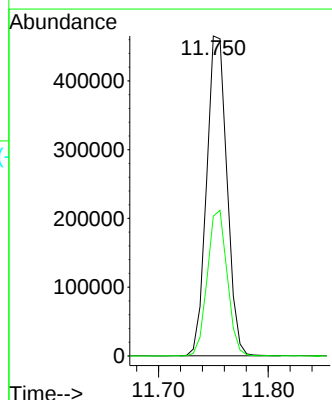
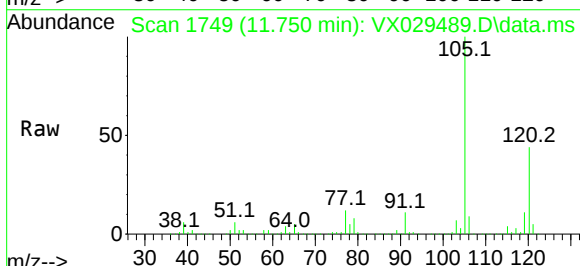
Acq: 15 Jun 2022 00:39

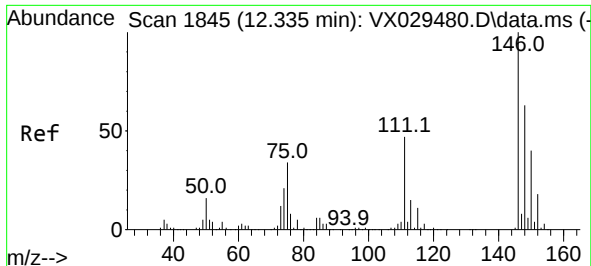
Tgt Ion:105 Resp: 599439

Ion Ratio Lower Upper

105 100

120 44.3 36.1 54.1





#67

1,2-Dichlorobenzene

Concen: 0.979 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX029489.D

Acq: 15 Jun 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

EXYY5

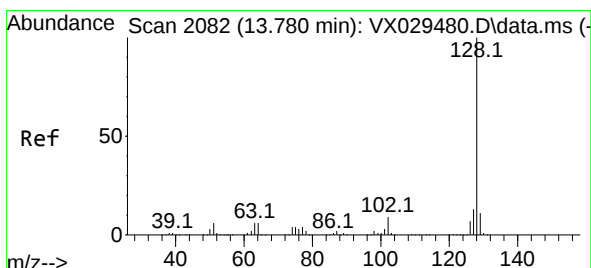
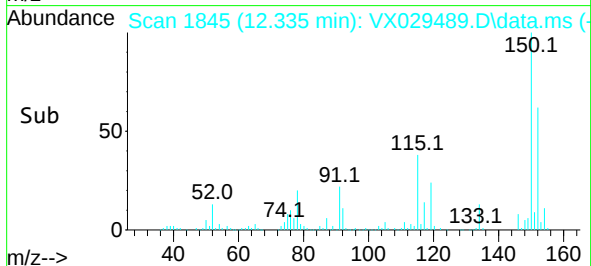
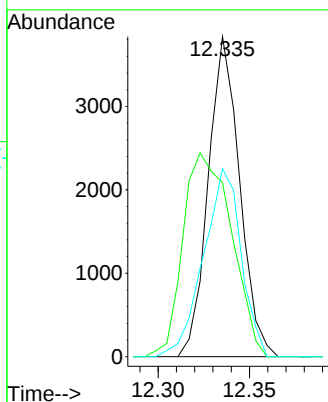
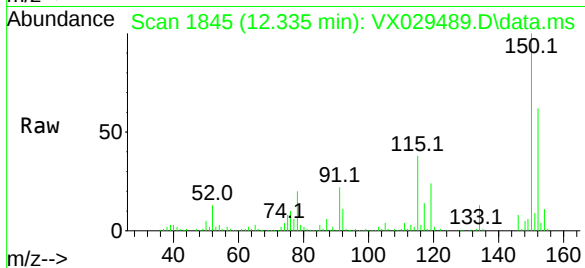
Tgt Ion:146 Resp: 4584

Ion Ratio Lower Upper

146 100

111 54.3 34.5 51.7#

148 58.7 51.9 77.9



#71

Naphthalene

Concen: 7.070 ug/L

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX029489.D

Acq: 15 Jun 2022 00:39

Tgt Ion:128 Resp: 74497

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.1 8.8 13.2

