

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
 Data File : VX025226.D
 Acq On : 18 Nov 2021 21:54
 Operator : JC/MD
 Sample : M4677-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 19 05:31:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML111121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 19 05:25:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	171299	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.073	117	157588	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	12.024	152	82942	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	45282	39.128	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.260%
7) Chloroethane-d5	1.660	69	39688	60.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.340%
11) 1,1-Dichloroethene-d2	2.306	63	58349	29.315	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.640%#
21) 2-Butanone-d5	4.458	46	82147	93.932	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.930%
24) Chloroform-d	5.062	84	88070	43.259	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.520%
26) 1,2-Dichloroethane-d4	5.964	65	55610	45.064	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.120%
32) Benzene-d6	5.976	84	182825	42.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.020%
36) 1,2-Dichloropropane-d6	7.312	67	55189	42.024	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.040%
41) Toluene-d8	8.653	98	169424	41.249	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.500%
43) trans-1,3-Dichloroprop...	8.952	79	27793	38.985	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.960%
47) 2-Hexanone-d5	9.384	63	64291	91.164	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.160%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	80704	42.666	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.340%
66) 1,2-Dichlorobenzene-d4	12.323	152	72241	43.937	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.880%
Target Compounds						Qvalue
15) Methyl Acetate	2.697	43	2671	2.000	ug/L #	39
27) 1,2-Dichloroethane	6.043	62	4869	3.229	ug/L #	80
29) Cyclohexane	5.477	56	88638	44.026	ug/L	87
33) Benzene	6.043	78	620549	128.169	ug/L	100
35) Methylcyclohexane	7.385	83	19105	8.930	ug/L	89
39) cis-1,3-Dichloropropene	8.330	75	1871	0.939	ug/L #	64
42) Toluene	8.726	91	25411	4.832	ug/L	99
46) Tetrachloroethene	9.275	164	1809	1.714	ug/L	87
49) Dibromochloromethane	9.275	129	1676	1.199	ug/L #	11
52) Ethylbenzene	10.201	91	52173	9.230	ug/L	92
53) m,p-Xylene	10.305	106	32410	14.181	ug/L	77
54) o-Xylene	10.646	106	14196	6.295	ug/L	76
60) Isopropylbenzene	10.963	105	63242	10.663	ug/L	95
63) 1,2,4-Trimethylbenzene	11.616	105	93242	18.469	ug/L	89
64) 1,3-Dichlorobenzene	11.969	146	15307	5.662	ug/L	94
65) 1,4-Dichlorobenzene	12.042	146	230272	85.250	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	19298	7.187	ug/L	95
71) Naphthalene	13.780	128	107883	18.647	ug/L	99

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 19 05:31:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 19 05:25:45 2021
Response via : Initial Calibration

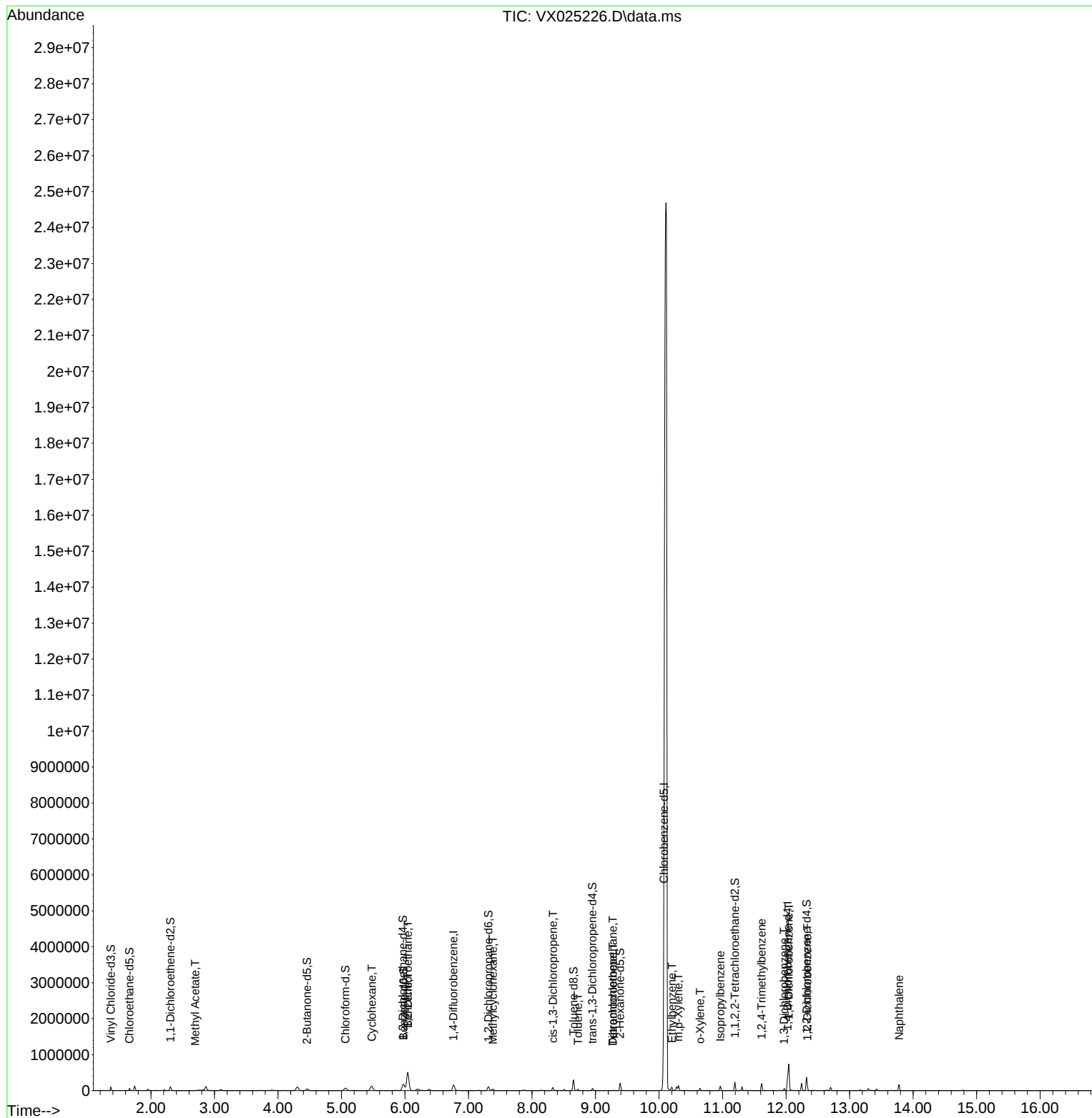
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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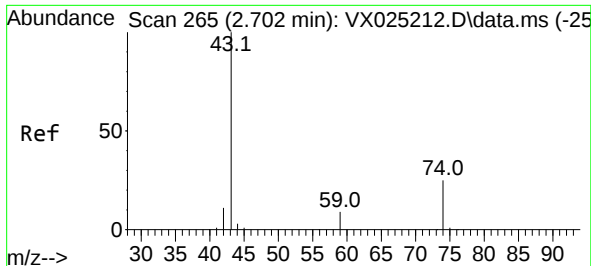
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML111121WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 19 05:25:45 2021
Response via : Initial Calibration

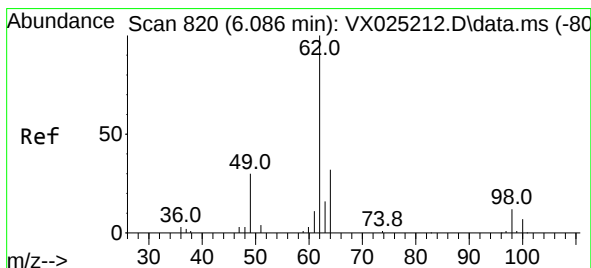
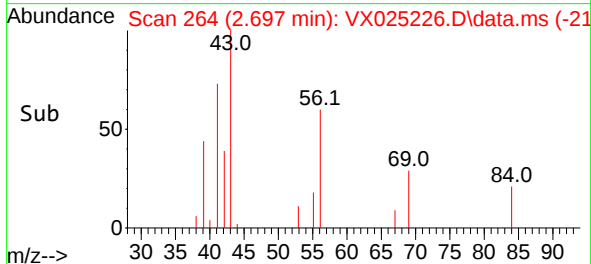
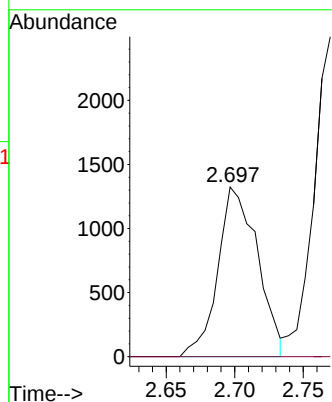
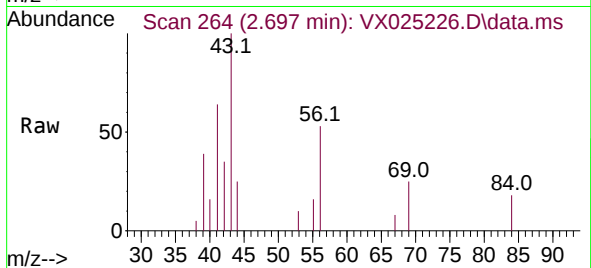




#15
Methyl Acetate
Concen: 2.000 ug/L
RT: 2.697 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

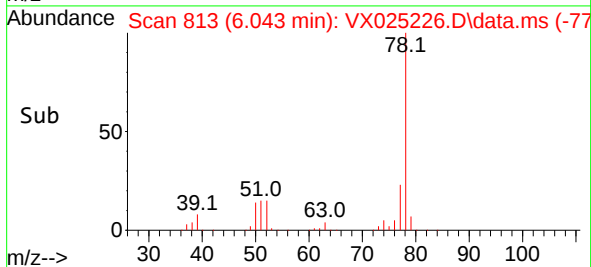
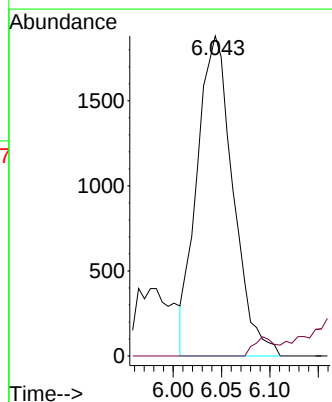
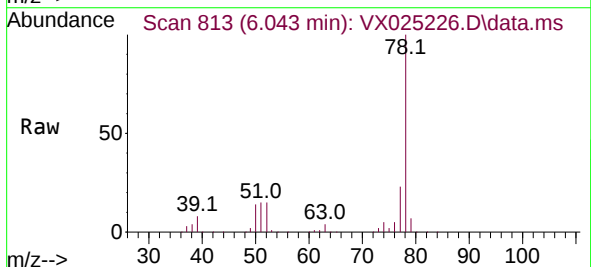
Instrument :
MSVOA_X
ClientSampleId :

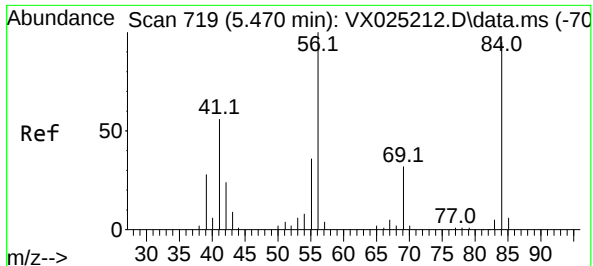
Tgt Ion: 43 Resp: 2671
Ion Ratio Lower Upper
43 100
74 0.0 28.6 42.8#



#27
1,2-Dichloroethane
Concen: 3.229 ug/L
RT: 6.043 min Scan# 813
Delta R.T. -0.042 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

Tgt Ion: 62 Resp: 4869
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#





#29

Cyclohexane

Concen: 44.026 ug/L

RT: 5.477 min Scan# 719

Delta R.T. 0.006 min

Lab File: VX025226.D

Acq: 18 Nov 2021 21:54

Instrument :

MSVOA_X

ClientSampleId :

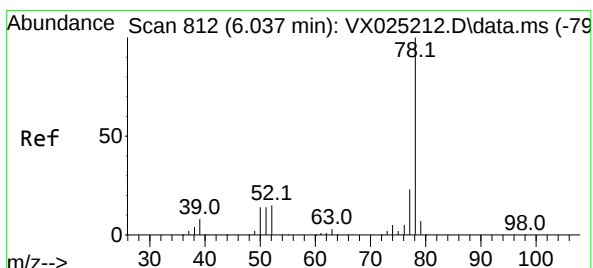
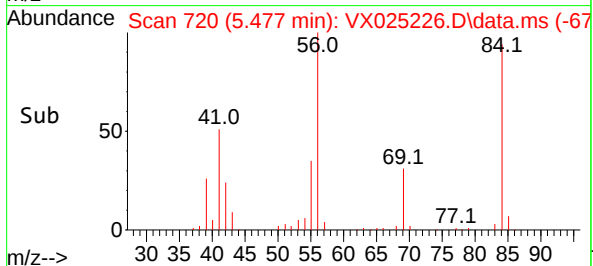
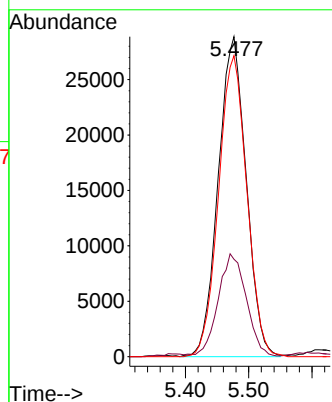
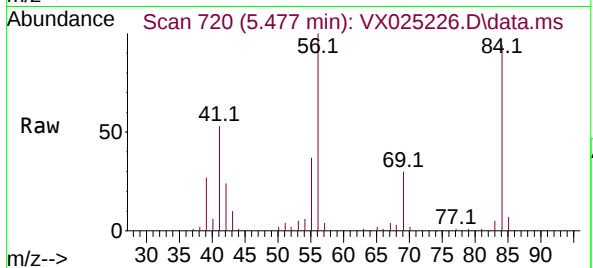
Tgt Ion: 56 Resp: 88638

Ion Ratio Lower Upper

56 100

69 31.7 30.8 46.2

84 94.8 86.8 130.2



#33

Benzene

Concen: 128.169 ug/L

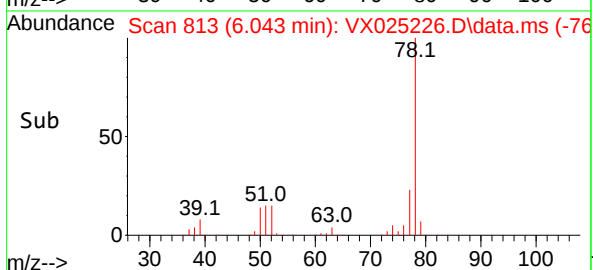
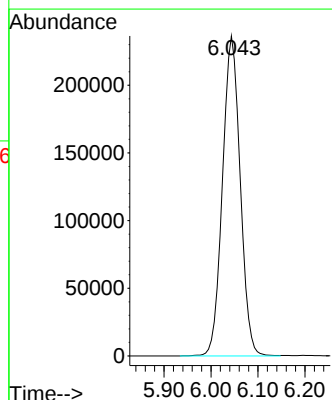
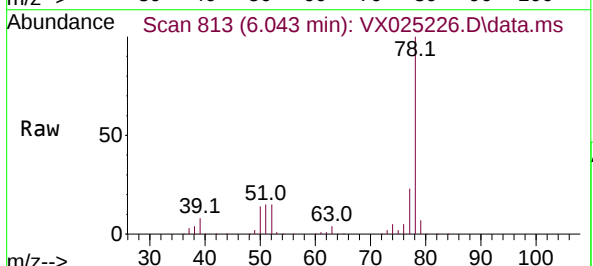
RT: 6.043 min Scan# 813

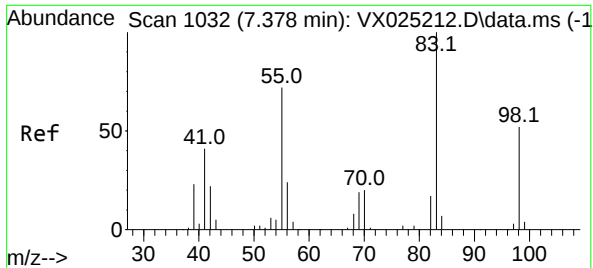
Delta R.T. 0.006 min

Lab File: VX025226.D

Acq: 18 Nov 2021 21:54

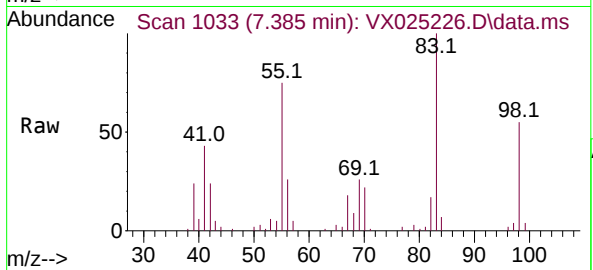
Tgt Ion: 78 Resp: 620549



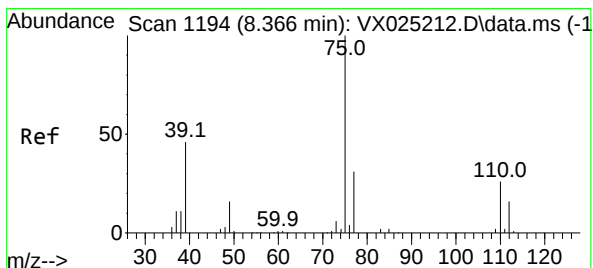
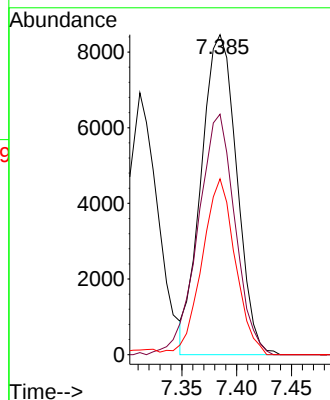
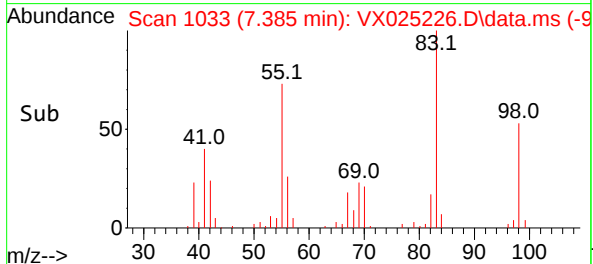


#35
Methylcyclohexane
Concen: 8.930 ug/L
RT: 7.385 min Scan# 1188
Delta R.T. 0.006 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

Instrument :
MSVOA_X
ClientSampleId :

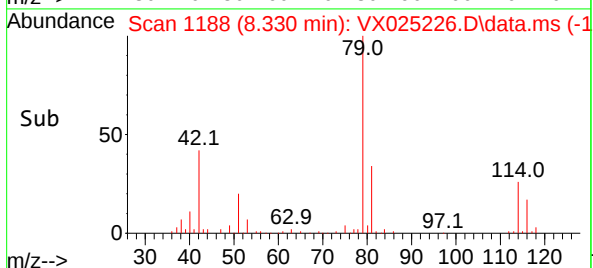
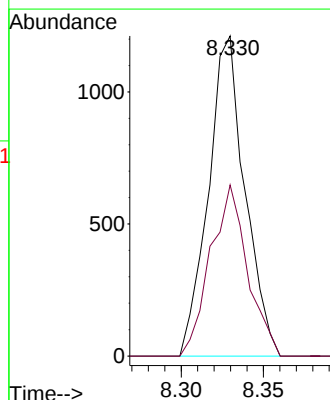
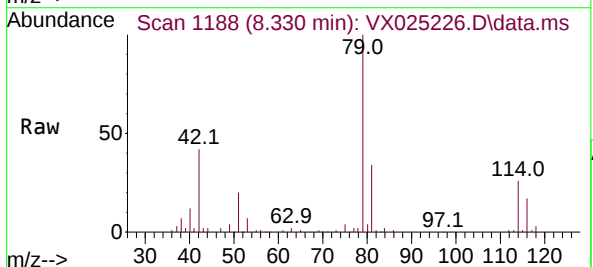


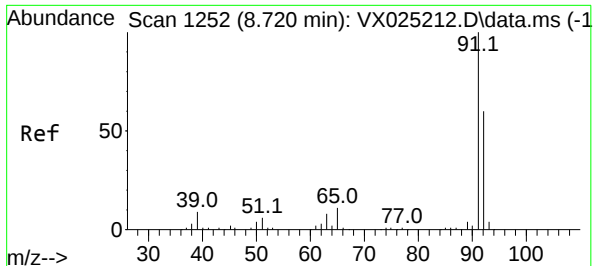
Tgt Ion: 83 Resp: 19105
Ion Ratio Lower Upper
83 100
55 78.0 52.6 79.0
98 51.2 37.9 56.9



#39
cis-1,3-Dichloropropene
Concen: 0.939 ug/L
RT: 8.330 min Scan# 1188
Delta R.T. -0.036 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

Tgt Ion: 75 Resp: 1871
Ion Ratio Lower Upper
75 100
77 53.5 23.1 42.9#





#42

Toluene

Concen: 4.832 ug/L

RT: 8.726 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX025226.D

Acq: 18 Nov 2021 21:54

Instrument :

MSVOA_X

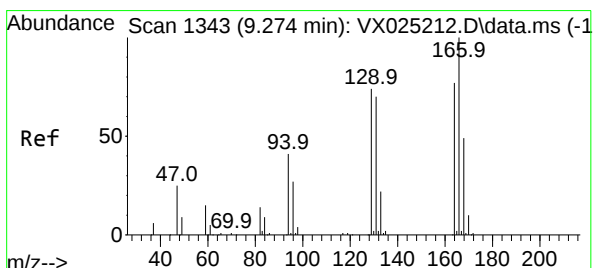
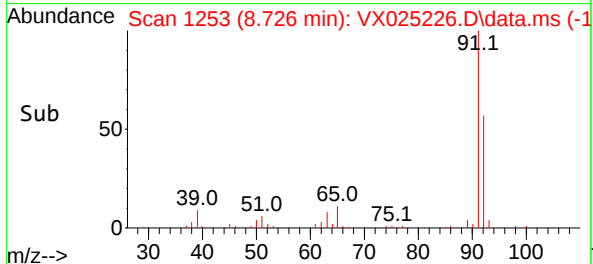
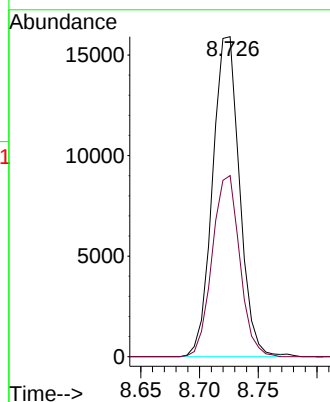
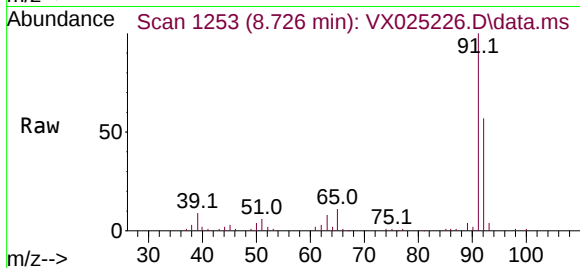
ClientSampleId :

Tgt Ion: 91 Resp: 25411

Ion Ratio Lower Upper

91 100

92 56.6 39.3 72.9



#46

Tetrachloroethene

Concen: 1.714 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX025226.D

Acq: 18 Nov 2021 21:54

Tgt Ion:164 Resp: 1809

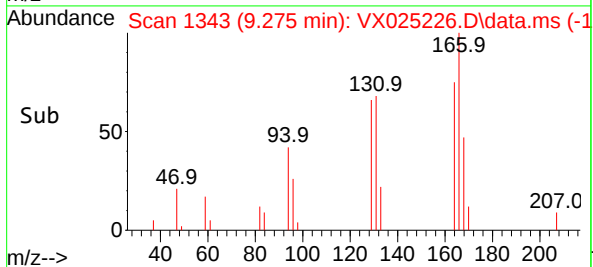
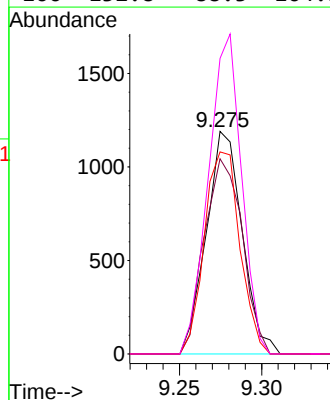
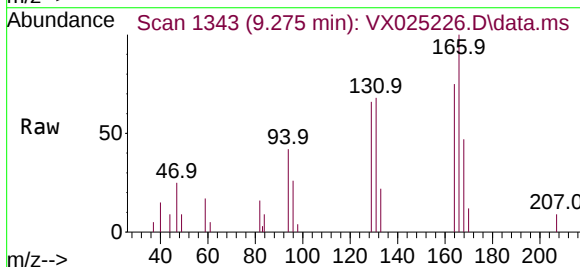
Ion Ratio Lower Upper

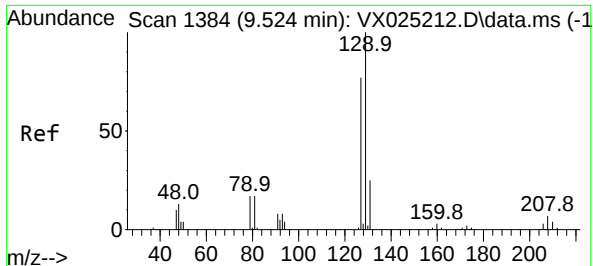
164 100

129 87.7 78.5 145.7

131 90.8 70.5 130.9

166 132.8 88.3 164.1





#49

Dibromochloromethane

Concen: 1.199 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX025226.D

Acq: 18 Nov 2021 21:54

Instrument :

MSVOA_X

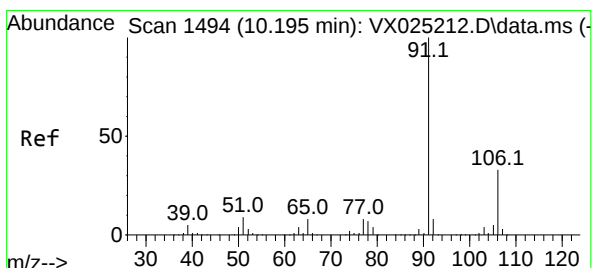
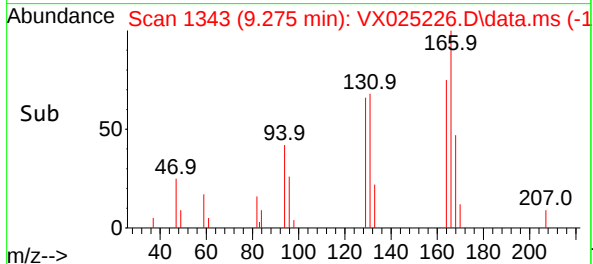
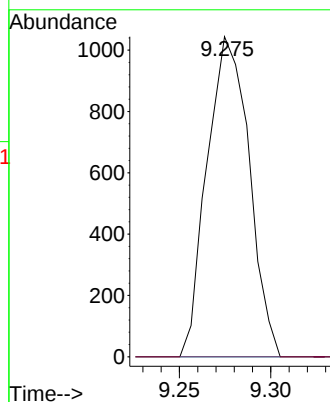
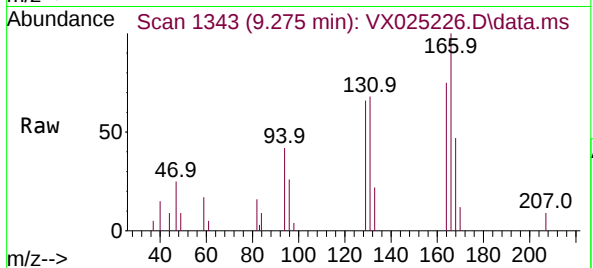
ClientSampleId :

Tgt Ion:129 Resp: 1676

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#52

Ethylbenzene

Concen: 9.230 ug/L

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX025226.D

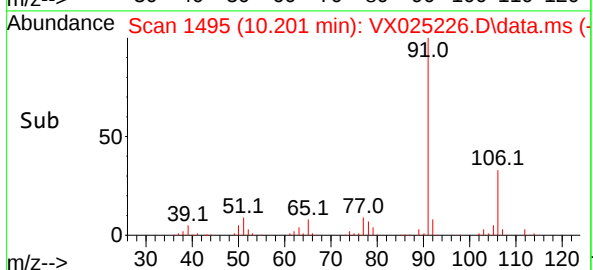
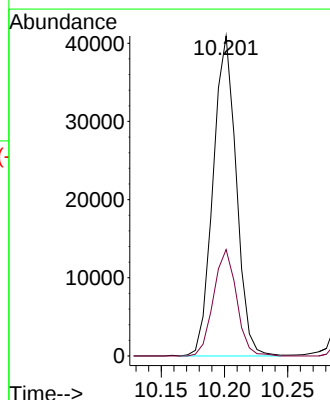
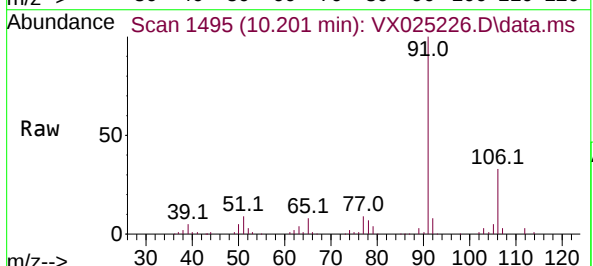
Acq: 18 Nov 2021 21:54

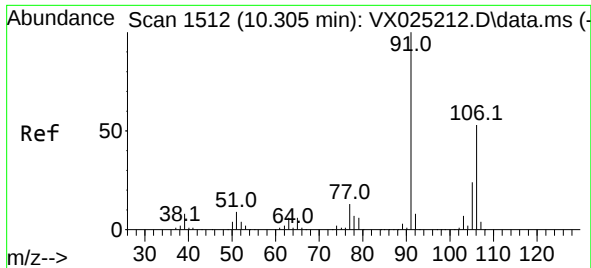
Tgt Ion: 91 Resp: 52173

Ion Ratio Lower Upper

91 100

106 33.2 20.2 37.6

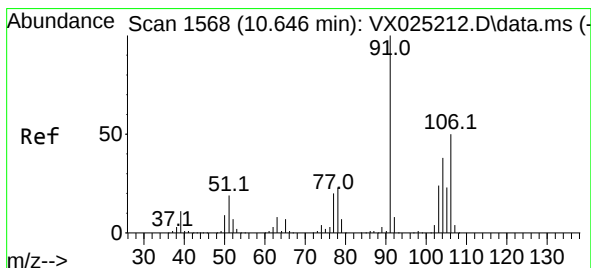
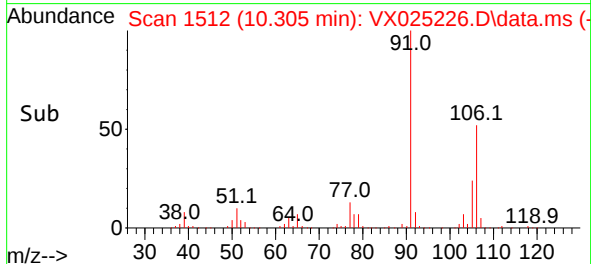
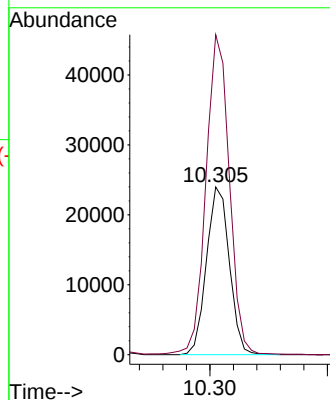
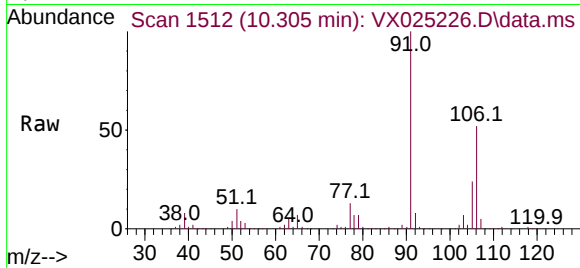




#53
m,p-Xylene
Concen: 14.181 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

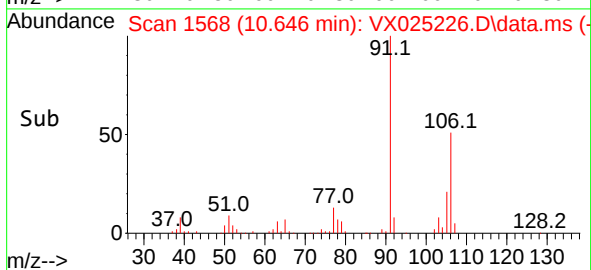
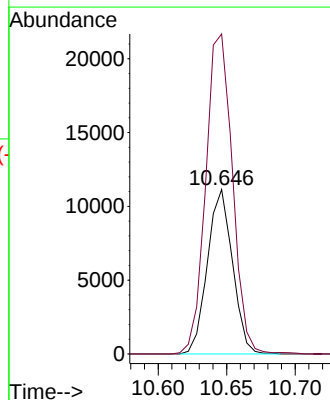
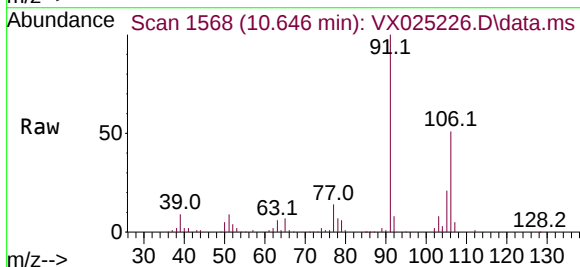
Instrument :
MSVOA_X
ClientSampleId :

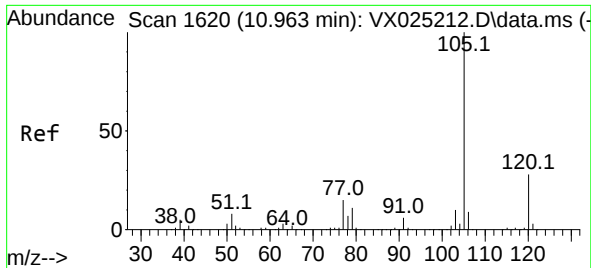
Tgt Ion:106 Resp: 32410
Ion Ratio Lower Upper
106 100
91 190.8 160.2 297.6



#54
o-Xylene
Concen: 6.295 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

Tgt Ion:106 Resp: 14196
Ion Ratio Lower Upper
106 100
91 194.6 164.4 305.4

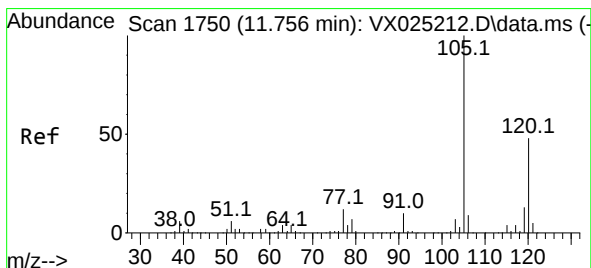
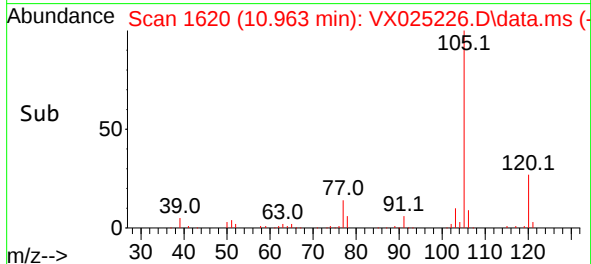
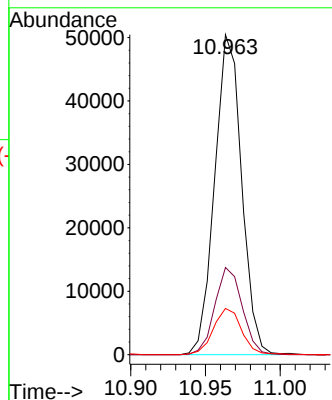
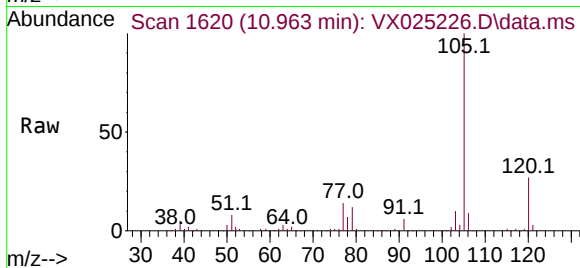




#60
Isopropylbenzene
Concen: 10.663 ug/L
RT: 10.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

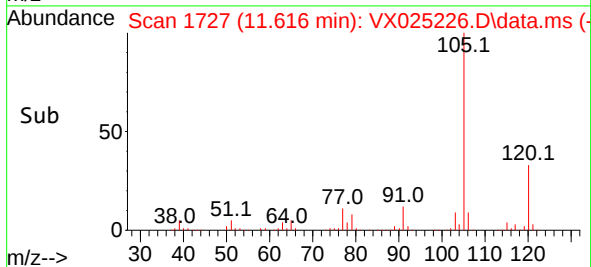
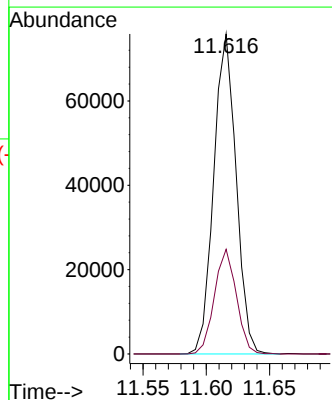
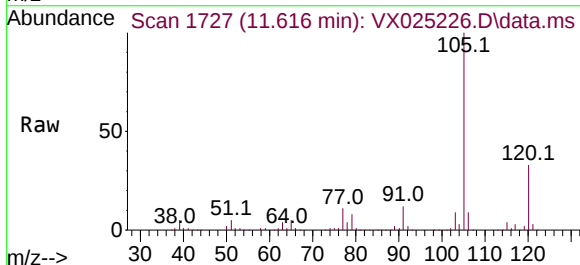
Instrument :
MSVOA_X
ClientSampleId :

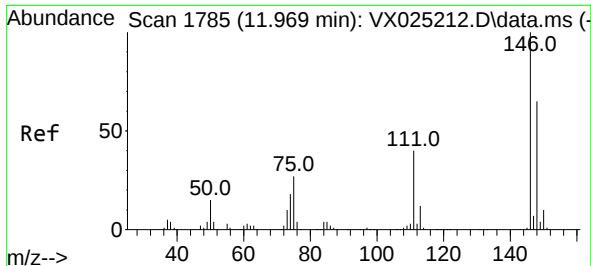
Tgt Ion:105 Resp: 63242
Ion Ratio Lower Upper
105 100
120 27.7 19.8 29.6
77 15.2 13.2 19.8



#63
1,2,4-Trimethylbenzene
Concen: 18.469 ug/L
RT: 11.616 min Scan# 1727
Delta R.T. -0.140 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

Tgt Ion:105 Resp: 93242
Ion Ratio Lower Upper
105 100
120 32.1 31.0 46.6

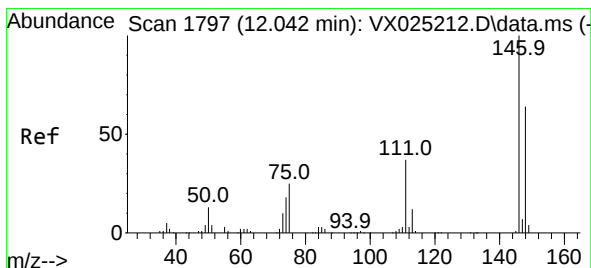
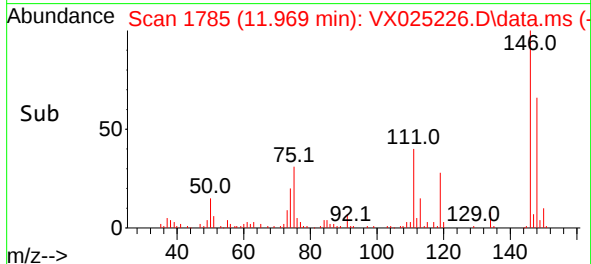
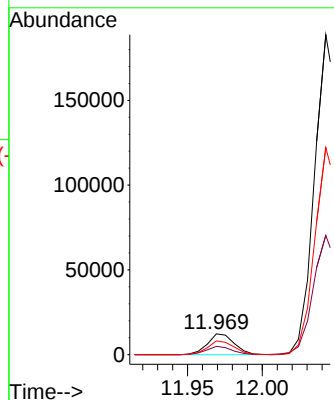
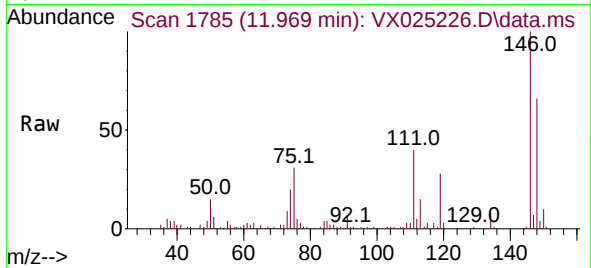




#64
1,3-Dichlorobenzene
Concen: 5.662 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

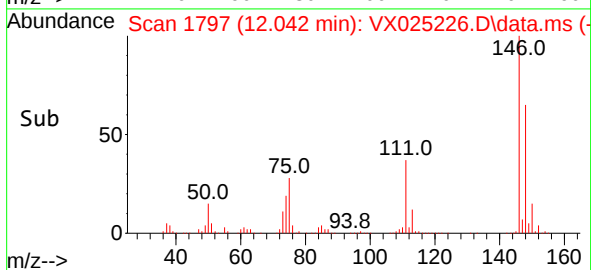
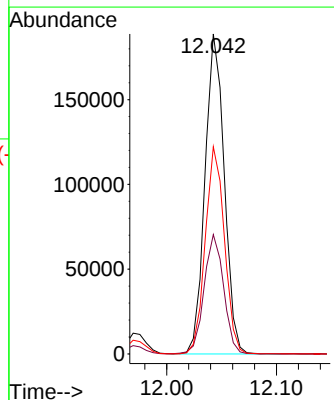
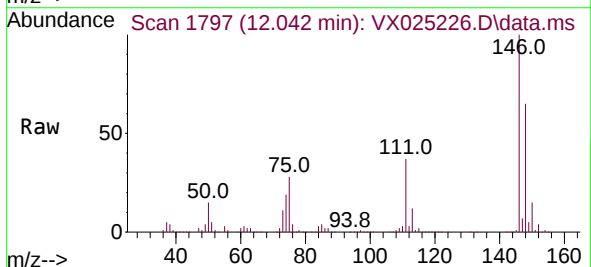
Instrument :
MSVOA_X
ClientSampleId :

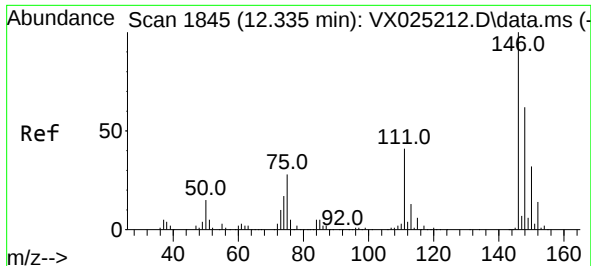
Tgt Ion:146 Resp: 15307
Ion Ratio Lower Upper
146 100
111 40.5 31.1 57.9
148 66.1 43.2 80.2



#65
1,4-Dichlorobenzene
Concen: 85.250 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX025226.D
Acq: 18 Nov 2021 21:54

Tgt Ion:146 Resp: 230272
Ion Ratio Lower Upper
146 100
111 37.3 31.8 59.0
148 64.7 46.1 85.5





#67

1,2-Dichlorobenzene

Concen: 7.187 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX025226.D

Acq: 18 Nov 2021 21:54

Instrument :

MSVOA_X

ClientSampleId :

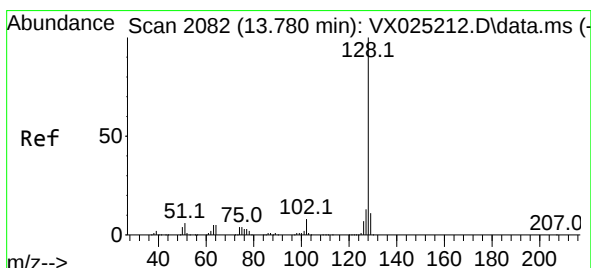
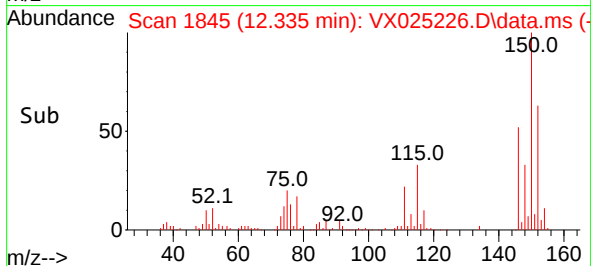
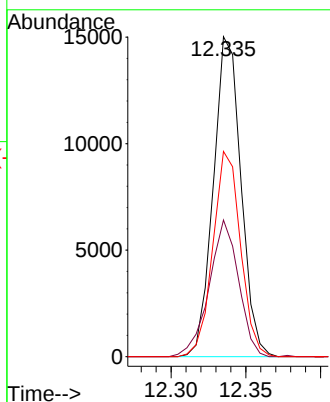
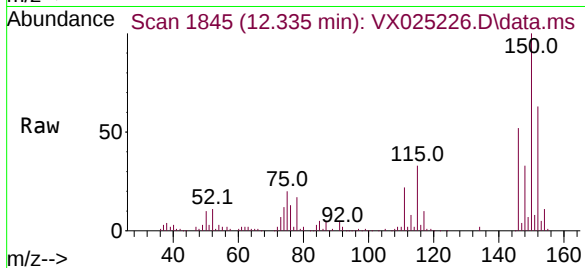
Tgt Ion:146 Resp: 19298

Ion Ratio Lower Upper

146 100

111 42.7 38.5 57.7

148 64.1 53.2 79.8



#71

Naphthalene

Concen: 18.647 ug/L

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX025226.D

Acq: 18 Nov 2021 21:54

Tgt Ion:128 Resp: 107883

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

129 11.1 9.1 13.7

