

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122821\
 Data File : VW024228.D
 Acq On : 28 Dec 2021 19:10
 Operator : SY/MD
 Sample : M5233-11DL2 100X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 29 05:07:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR122721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 29 04:43:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	77348	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	80428	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	43544	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	24983	4.294	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.800%
7) Chloroethane-d5	1.568	69	23972	4.941	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.108	63	39114	2.766	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.400%#
20) 2-Butanone-d5	3.896	46	54333	84.075	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	168.140%#
24) Chloroform-d	4.349	84	61525	4.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.031	65	30048	5.435	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.800%
32) Benzene-d6	5.053	84	107846	4.965	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	6.069	67	31979	5.375	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.600%
41) Toluene-d8	7.317	98	97205	4.541	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	7.625	79	8906	3.535	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.800%
46) 2-Hexanone-d5	8.088	63	44988	53.111	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.220%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23062	5.677	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	41552	5.490	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.800%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	729	0.054	ug/L	97
8) Chloroethane	1.587	64	55684	6.927	ug/L	96
13) Acetone	2.188	43	1675	1.826	ug/L	81
14) Carbon disulfide	2.294	76	3214	0.094	ug/L #	93
33) Benzene	5.101	78	82911	1.965	ug/L	100
35) Methylcyclohexane	6.069	83	8922	0.517	ug/L #	18
37) 1,2-Dichloropropane	6.066	63	3993	0.410	ug/L #	84
42) Toluene	7.394	91	21499	0.457	ug/L	96
45) 1,1,2-Trichloroethane	7.703	97	3324	0.461	ug/L #	19
48) 2-Hexanone	8.085	43	6154	1.808	ug/L #	68
52) Ethylbenzene	9.014	91	37214	0.743	ug/L	97
53) m,p-xylene	9.140	106	16967	0.854	ug/L	98
54) o-xylene	9.545	106	9323	0.490	ug/L	100
60) Isopropylbenzene	9.934	105	3039	0.066	ug/L	96
63) 1,2,4-Trimethylbenzene	10.915	105	7411	0.187	ug/L	90
67) 1,2-Dichlorobenzene	11.641	146	2643	0.122	ug/L #	86
71) Naphthalene	13.506	128	5437	0.250	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122821\
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Dec 29 05:07:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR122721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 29 04:43:10 2021
Response via : Initial Calibration

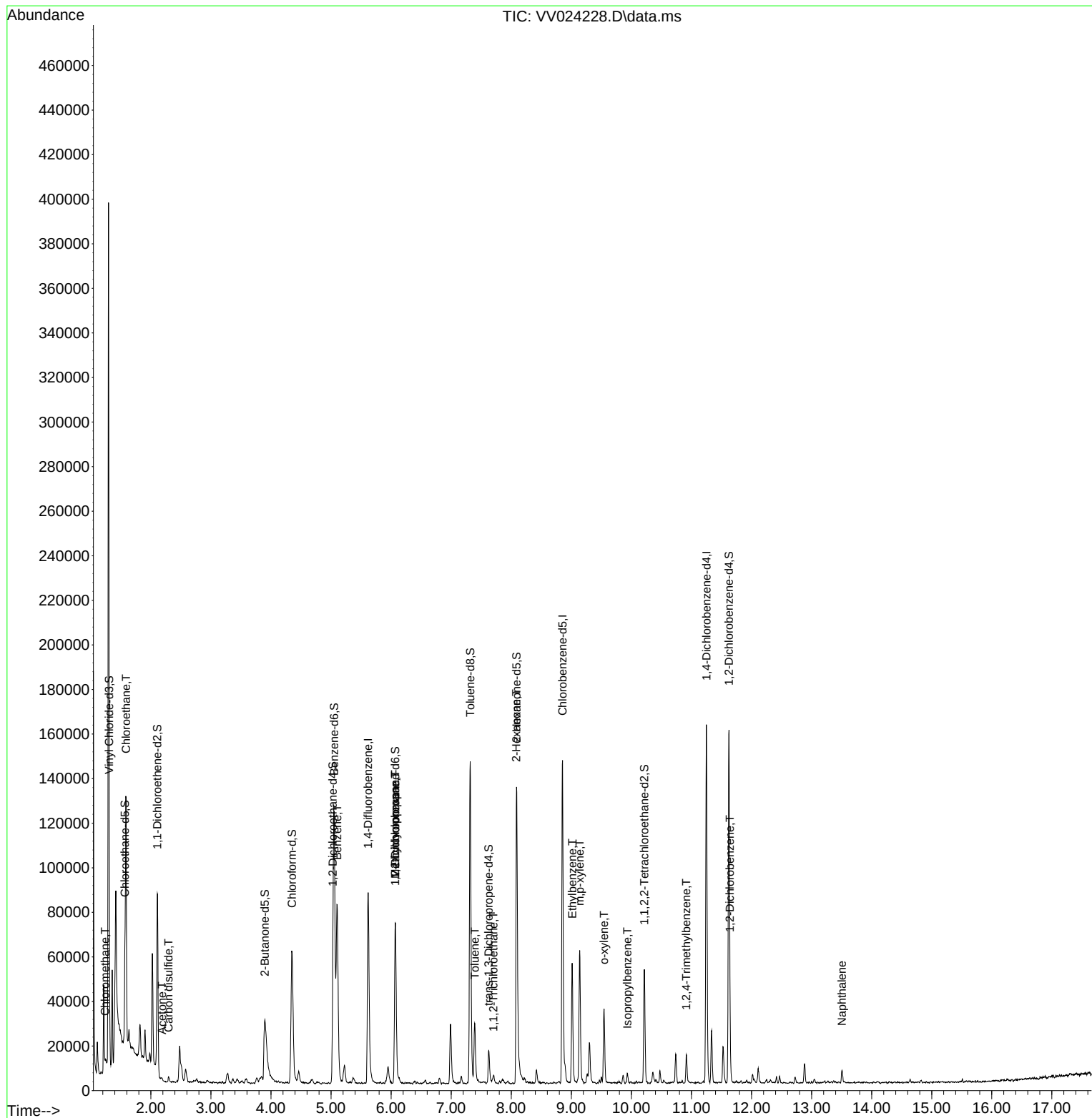
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

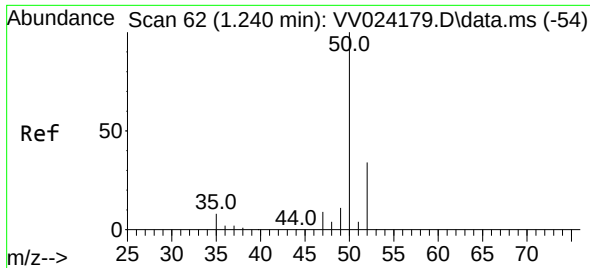
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122821\
Data File : VV024228.D
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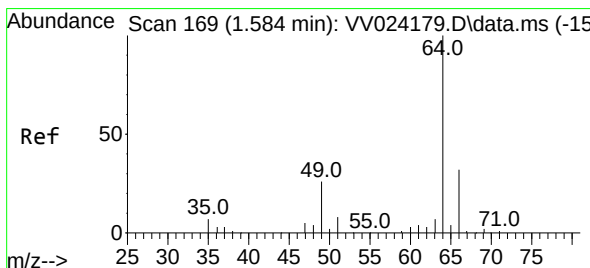
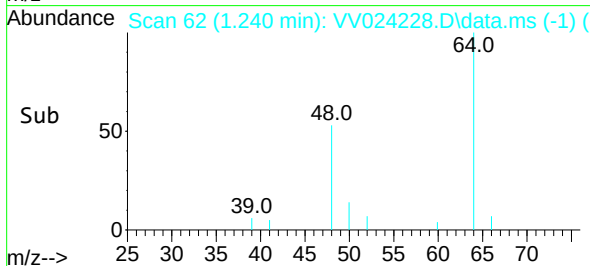
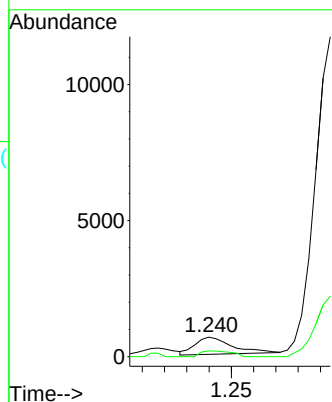
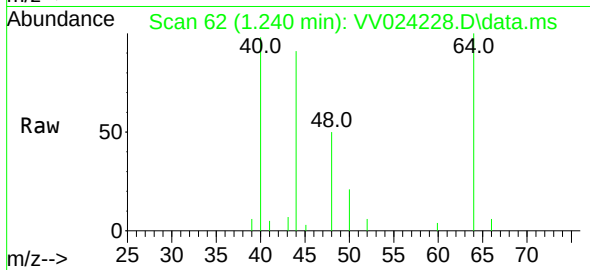




#3
Chloromethane
Concen: 0.054 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV024228.D
Acq: 28 Dec 2021 19:10

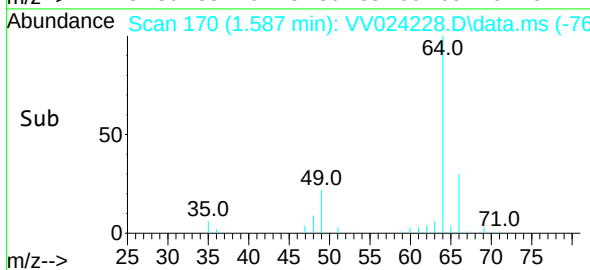
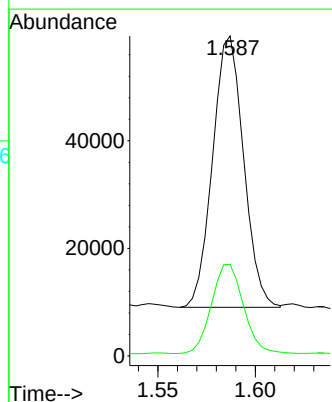
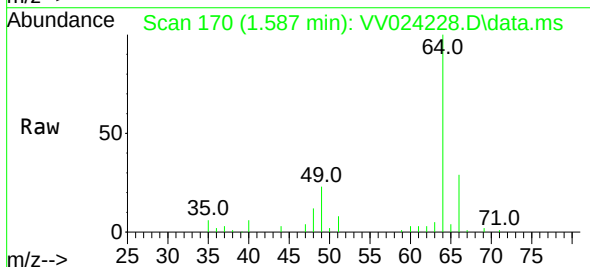
Instrument :
MSVOA_V
ClientSampleId :

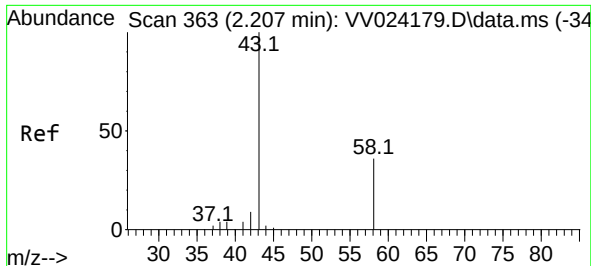
Tgt Ion: 50 Resp: 729
Ion Ratio Lower Upper
50 100
52 29.6 22.0 41.0



#8
Chloroethane
Concen: 6.927 ug/L
RT: 1.587 min Scan# 170
Delta R.T. 0.003 min
Lab File: VV024228.D
Acq: 28 Dec 2021 19:10

Tgt Ion: 64 Resp: 55684
Ion Ratio Lower Upper
64 100
66 28.6 21.4 39.8





#13

Acetone

Concen: 1.826 ug/L

RT: 2.188 min Scan# 31

Delta R.T. -0.022 min

Lab File: VV024228.D

Acq: 28 Dec 2021 19:10

Instrument :

MSVOA_V

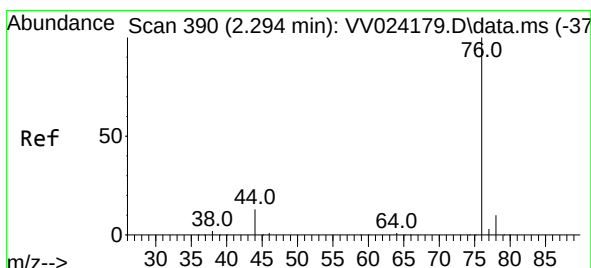
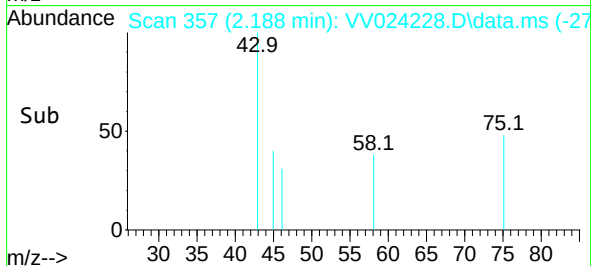
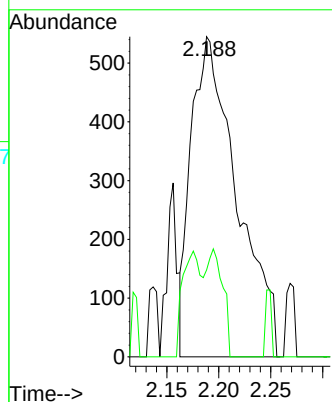
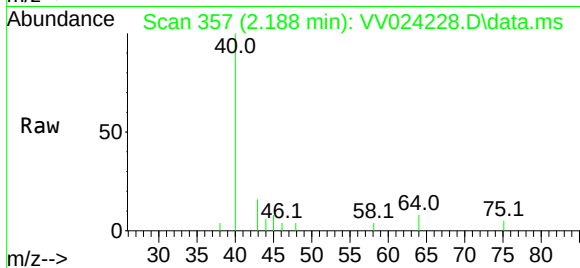
ClientSampleId :

Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

43 100

58 11.8 0.0 41.4



#14

Carbon disulfide

Concen: 0.094 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV024228.D

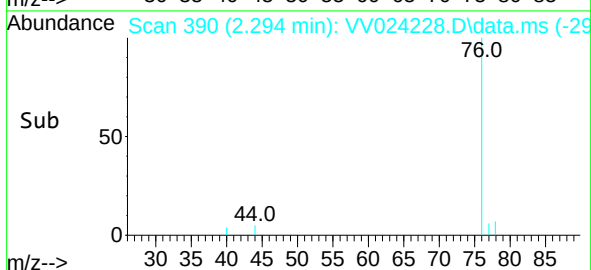
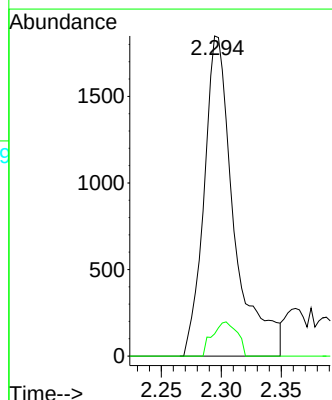
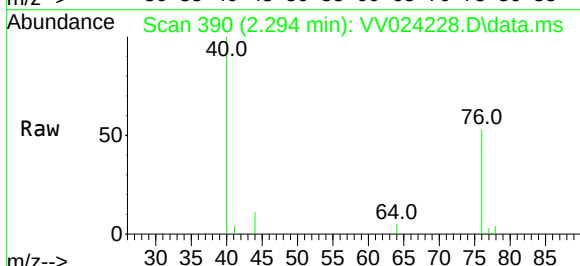
Acq: 28 Dec 2021 19:10

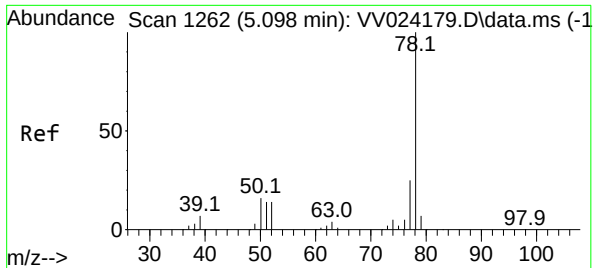
Tgt Ion: 76 Resp: 3214

Ion Ratio Lower Upper

76 100

78 6.9 7.5 11.3#

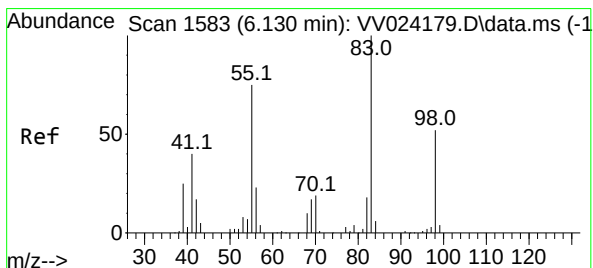
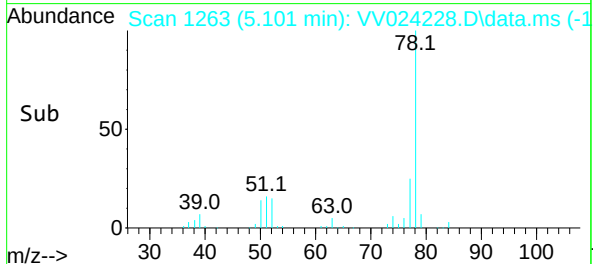
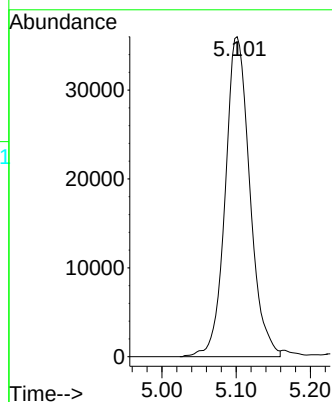
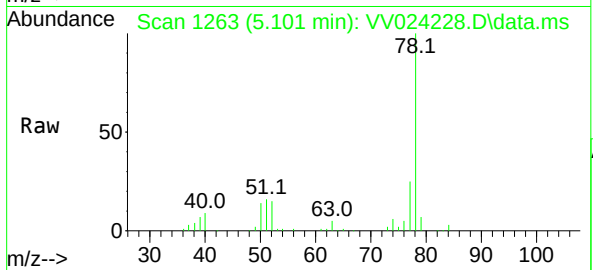




#33
Benzene
Concen: 1.965 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV024228.D
Acq: 28 Dec 2021 19:10

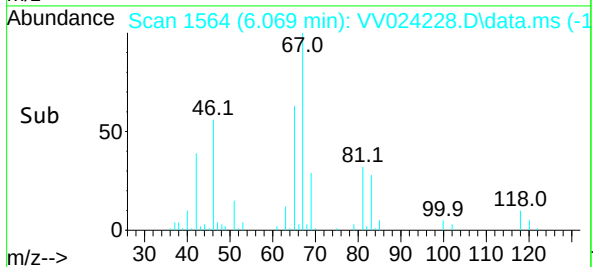
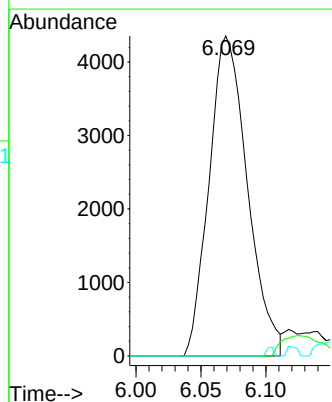
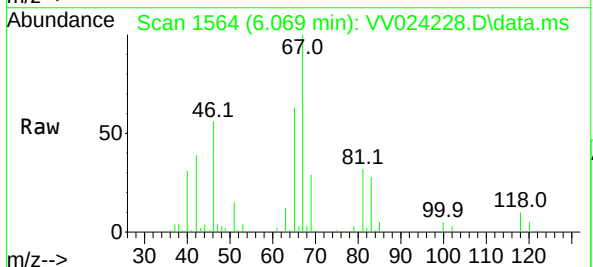
Instrument :
MSVOA_V
ClientSampleId :

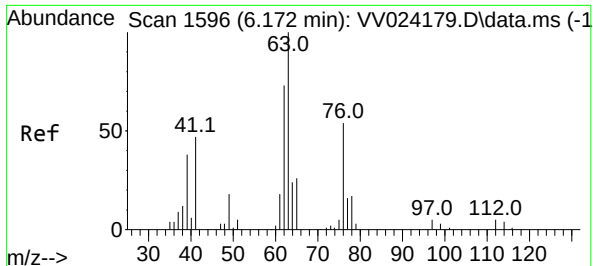
Tgt Ion: 78 Resp: 82911



#35
Methylcyclohexane
Concen: 0.517 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.061 min
Lab File: VV024228.D
Acq: 28 Dec 2021 19:10

Tgt Ion: 83 Resp: 8922
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.2#
98 0.5 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.410 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.106 min

Lab File: VV024228.D

Acq: 28 Dec 2021 19:10

Instrument :

MSVOA_V

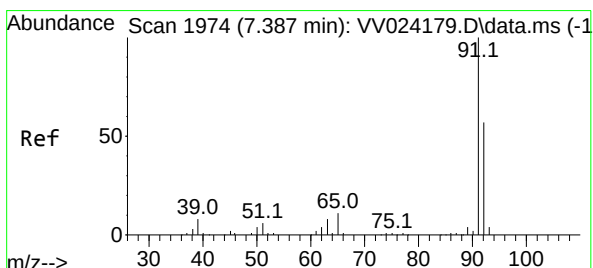
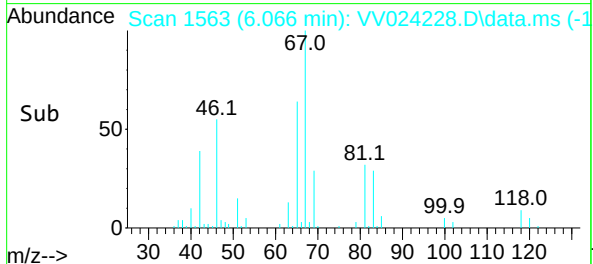
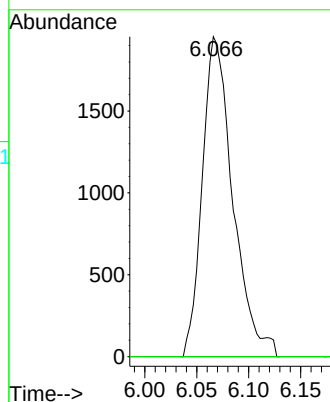
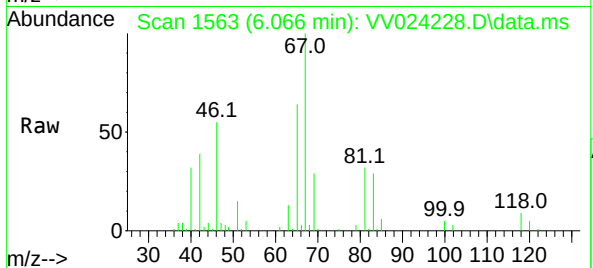
ClientSampleId :

Tgt Ion: 63 Resp: 3993

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#42

Toluene

Concen: 0.457 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VV024228.D

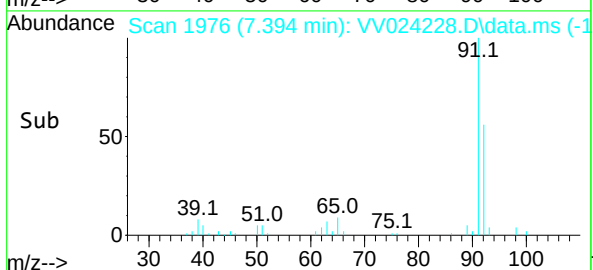
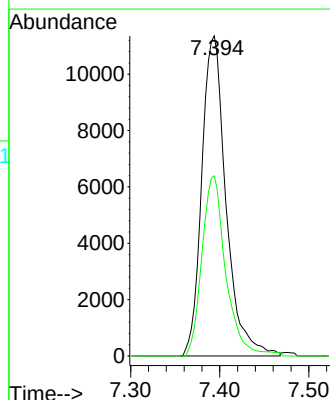
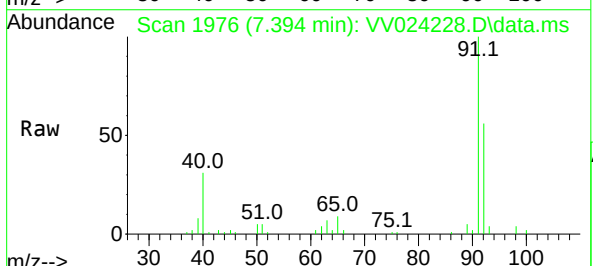
Acq: 28 Dec 2021 19:10

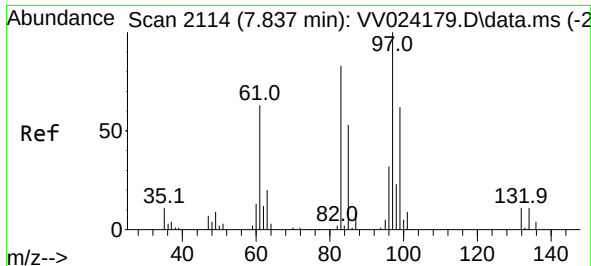
Tgt Ion: 91 Resp: 21499

Ion Ratio Lower Upper

91 100

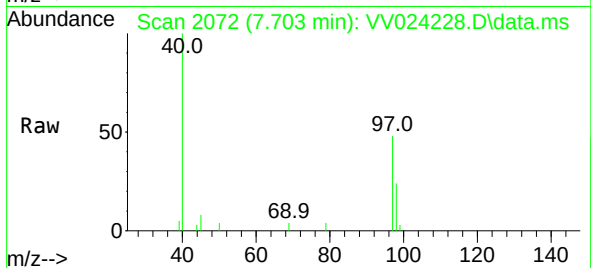
92 56.3 41.5 77.1



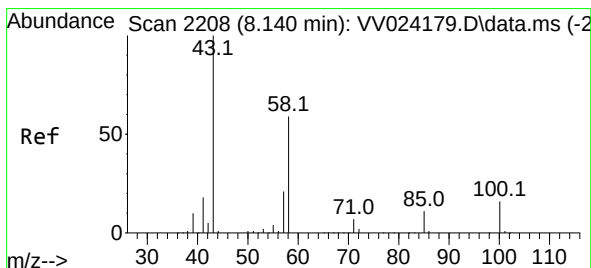
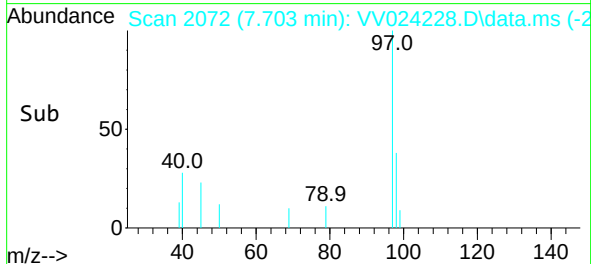
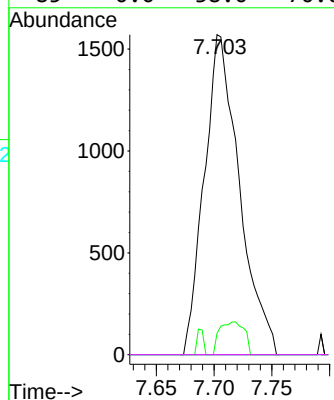


#45
1,1,2-Trichloroethane
Concen: 0.461 ug/L
RT: 7.703 min Scan# 2114
Delta R.T. -0.135 min
Lab File: VV024228.D
Acq: 28 Dec 2021 19:10

Instrument :
MSVOA_V
ClientSampleId :

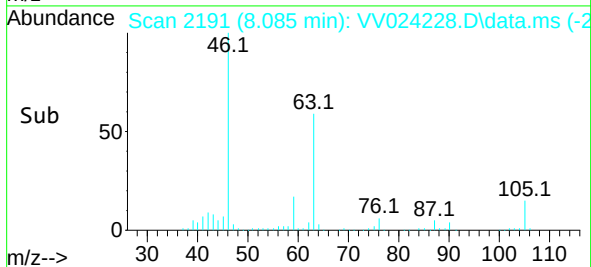
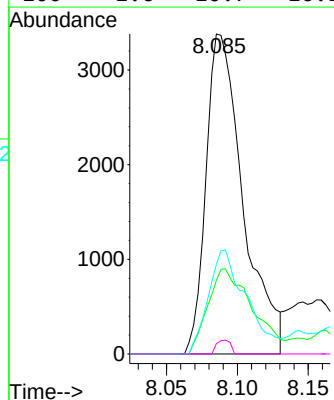
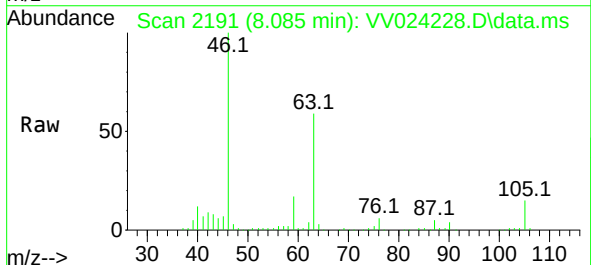


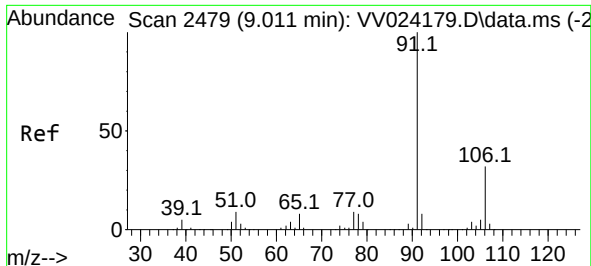
Tgt Ion: 97 Resp: 3324
Ion Ratio Lower Upper
97 100
99 6.7 43.1 80.1#
83 0.0 57.9 107.5#
85 0.0 38.0 70.6#



#48
2-Hexanone
Concen: 1.808 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.058 min
Lab File: VV024228.D
Acq: 28 Dec 2021 19:10

Tgt Ion: 43 Resp: 6154
Ion Ratio Lower Upper
43 100
58 32.1 44.5 66.7#
57 33.5 15.1 22.7#
100 1.6 10.7 16.1#





#52

Ethylbenzene

Concen: 0.743 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV024228.D

Acq: 28 Dec 2021 19:10

Instrument :

MSVOA_V

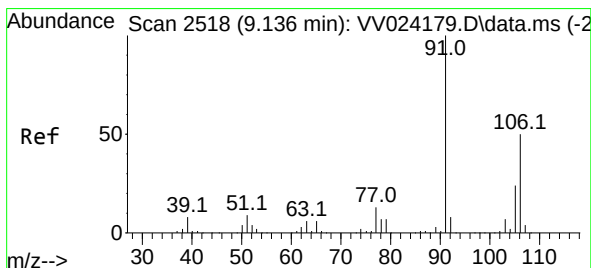
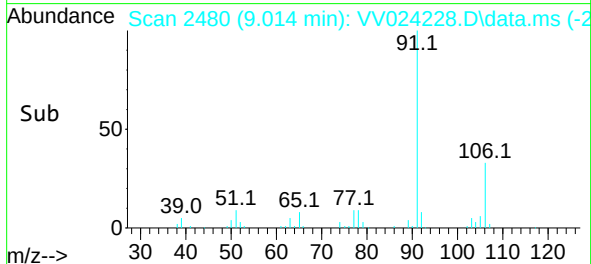
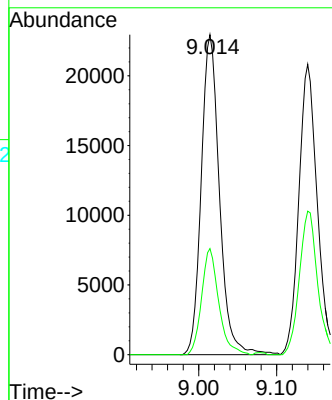
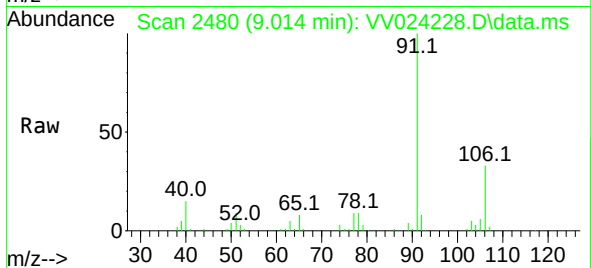
ClientSampleId :

Tgt Ion: 91 Resp: 37214

Ion Ratio Lower Upper

91 100

106 33.1 22.0 41.0



#53

m,p-xylene

Concen: 0.854 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV024228.D

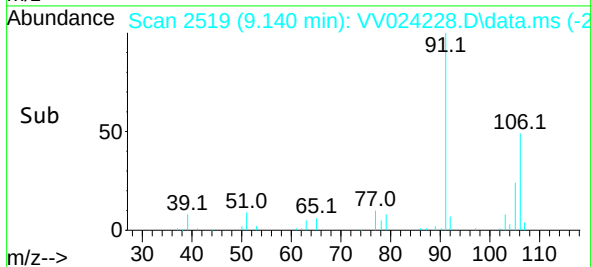
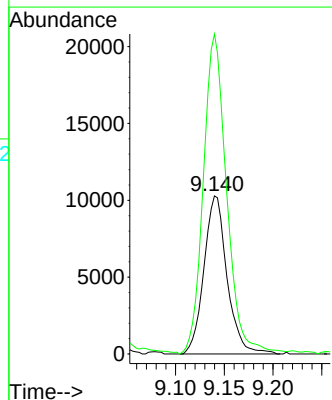
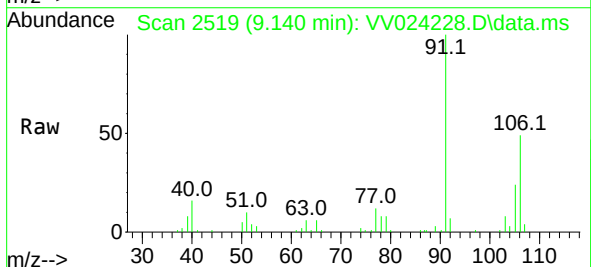
Acq: 28 Dec 2021 19:10

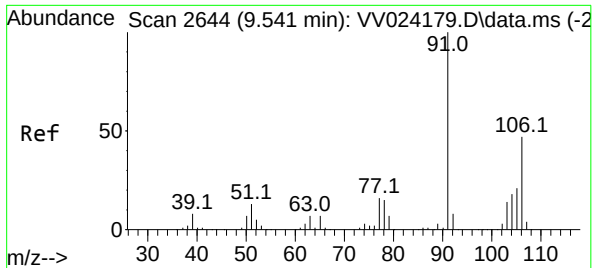
Tgt Ion:106 Resp: 16967

Ion Ratio Lower Upper

106 100

91 202.4 139.5 259.1

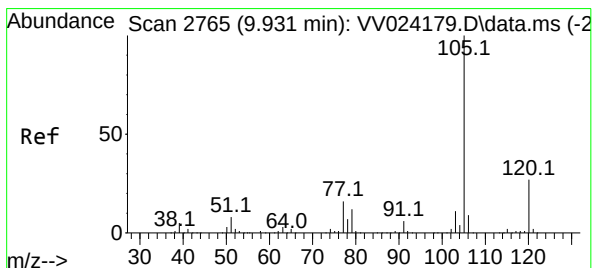
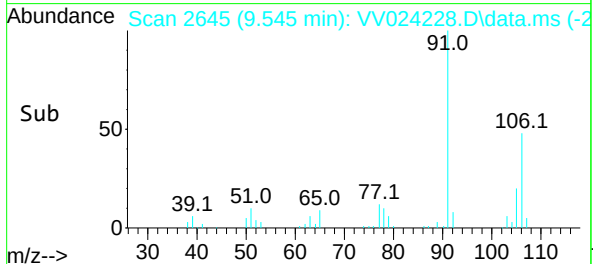
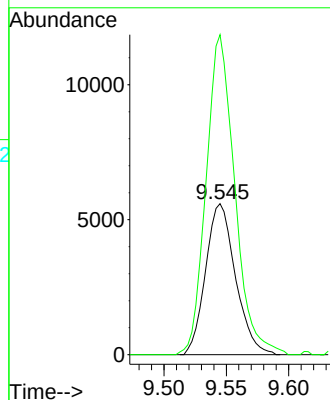
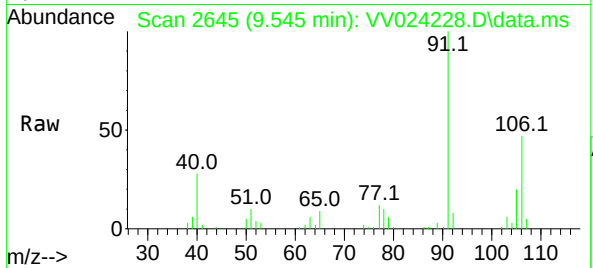




#54
o-xylene
Concen: 0.490 ug/L
RT: 9.545 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024228.D
Acq: 28 Dec 2021 19:10

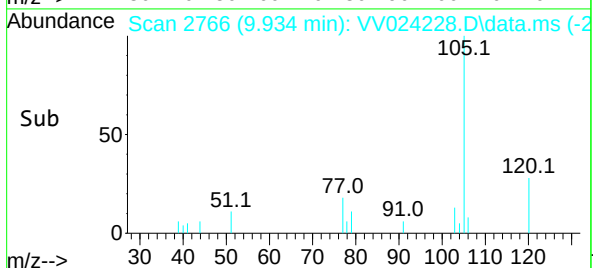
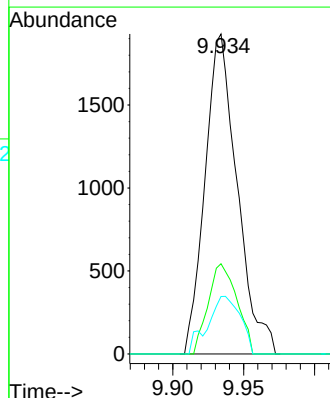
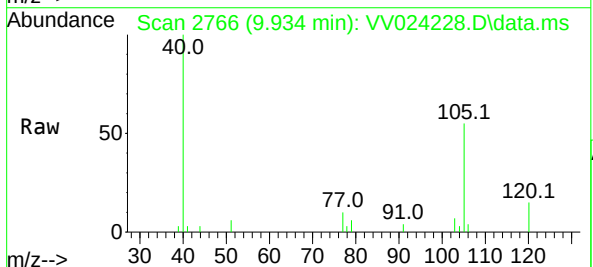
Instrument :
MSVOA_V
ClientSampleId :

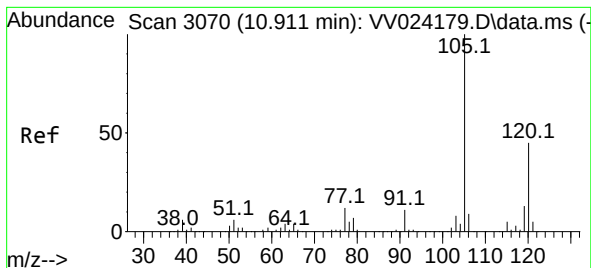
Tgt Ion:106 Resp: 9323
Ion Ratio Lower Upper
106 100
91 211.9 147.9 274.7



#60
Isopropylbenzene
Concen: 0.066 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV024228.D
Acq: 28 Dec 2021 19:10

Tgt Ion:105 Resp: 3039
Ion Ratio Lower Upper
105 100
120 25.3 21.4 32.0
77 18.3 12.2 18.4





#63

1,2,4-Trimethylbenzene

Concen: 0.187 ug/L

RT: 10.915 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV024228.D

Acq: 28 Dec 2021 19:10

Instrument :

MSVOA_V

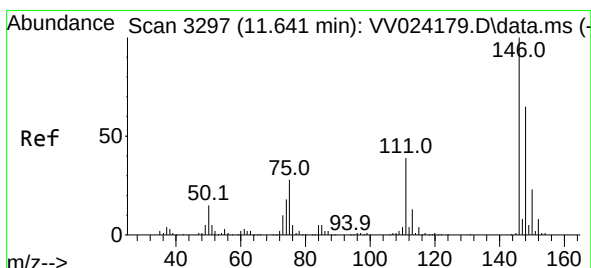
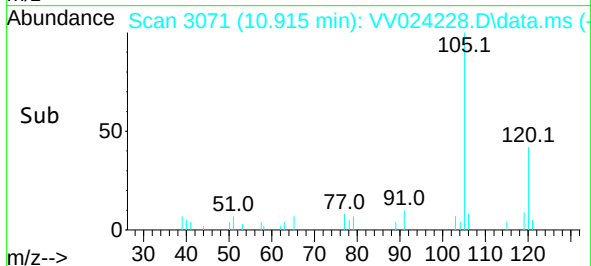
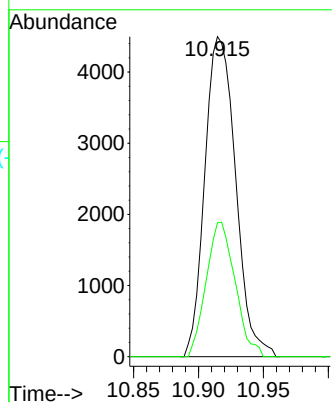
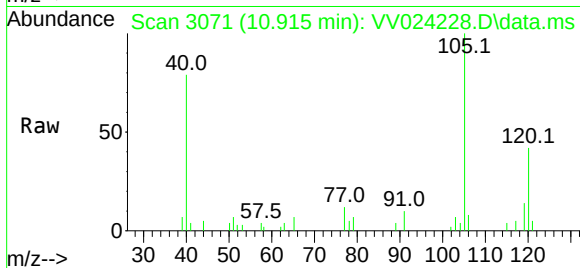
ClientSampleId :

Tgt Ion:105 Resp: 7411

Ion Ratio Lower Upper

105 100

120 39.4 36.7 55.1



#67

1,2-Dichlorobenzene

Concen: 0.122 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV024228.D

Acq: 28 Dec 2021 19:10

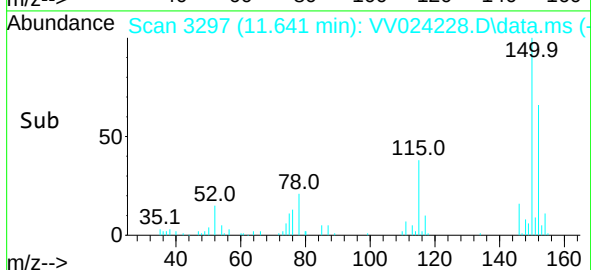
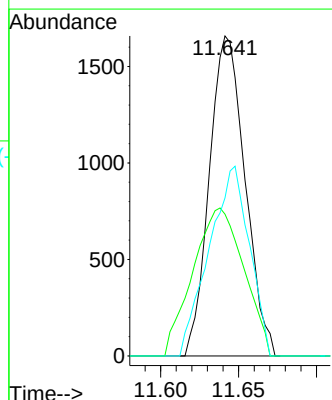
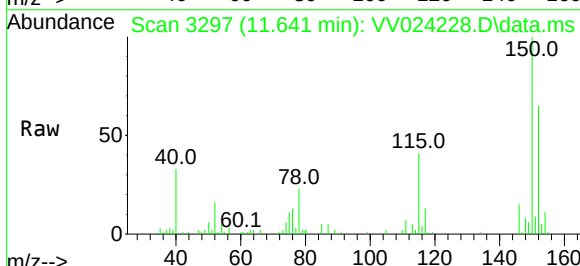
Tgt Ion:146 Resp: 2643

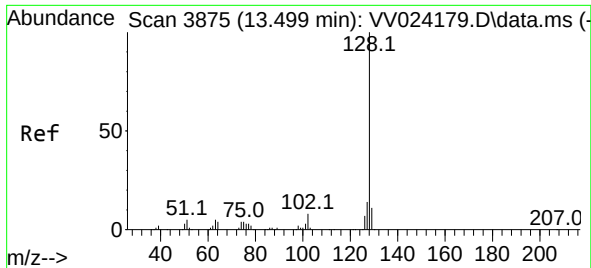
Ion Ratio Lower Upper

146 100

111 44.3 31.9 47.9

148 49.4 50.5 75.7#





#71

Naphthalene

Concen: 0.250 ug/L

RT: 13.506 min Scan# 3877

Delta R.T. 0.003 min

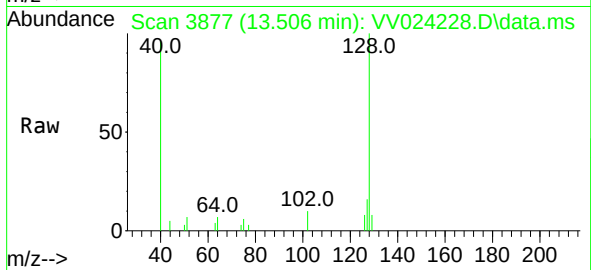
Lab File: VV024228.D

Acq: 28 Dec 2021 19:10

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 5437

Ion Ratio Lower Upper

128 100

129 10.0 9.0 13.4

127 15.3 10.2 15.4

