

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100322\
 Data File : VW028286.D
 Acq On : 03 Oct 2022 18:23
 Operator : SY/MD
 Sample : N4856-11DL 40X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 04 02:46:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 04 02:28:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	210734	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	202974	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	104679	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	69534	4.391	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.561	69	60660	4.525	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.101	63	100299	3.361	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.200%
20) 2-Butanone-d5	3.899	46	141130	52.678	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.360%
24) Chloroform-d	4.342	84	138798	4.839	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.027	65	66424	4.995	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.043	84	287880	5.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
36) 1,2-Dichloropropane-d6	6.063	67	85627	5.361	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.200%
41) Toluene-d8	7.313	98	243333	4.752	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	7.622	79	25567	4.203	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.085	63	125871	50.551	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.100%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	61296	5.063	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	92688	5.145	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
8) Chloroethane	1.394	64	217428	18.036	ug/L #	52
15) Methyl Acetate	2.490	43	81772	17.078	ug/L #	55
16) Methylene chloride	2.503	84	11103	0.653	ug/L #	78
27) 1,2-Dichloroethane	5.092	62	27816	1.766	ug/L #	80
30) Cyclohexane	4.667	56	18702	0.867	ug/L	91
33) Benzene	5.092	78	3134436	51.873	ug/L	100
35) Methylcyclohexane	6.120	83	5936	0.240	ug/L #	81
37) 1,2-Dichloropropane	6.063	63	8617	0.616	ug/L #	89
39) cis-1,3-Dichloropropene	6.982	75	1804	0.090	ug/L	83
42) Toluene	7.387	91	72976	1.148	ug/L	98
45) 1,1,2-Trichloroethane	7.783	97	1821	0.175	ug/L #	20
52) Ethylbenzene	9.008	91	417402	6.247	ug/L	98
53) m,p-Xylene	9.136	106	91516	3.436	ug/L	93
54) o-Xylene	9.545	106	2090	0.083	ug/L	71
60) Isopropylbenzene	9.931	105	12307	0.192	ug/L	94
61) 1,2,3-Trichloropropane	10.911	75	652	0.081	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	21255	1.168	ug/L	96
63) 1,2,4-Trimethylbenzene	10.911	105	86767	1.682	ug/L	96
71) Naphthalene	13.503	128	15823	0.534	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 04 02:28:45 2022
Response via : Initial Calibration

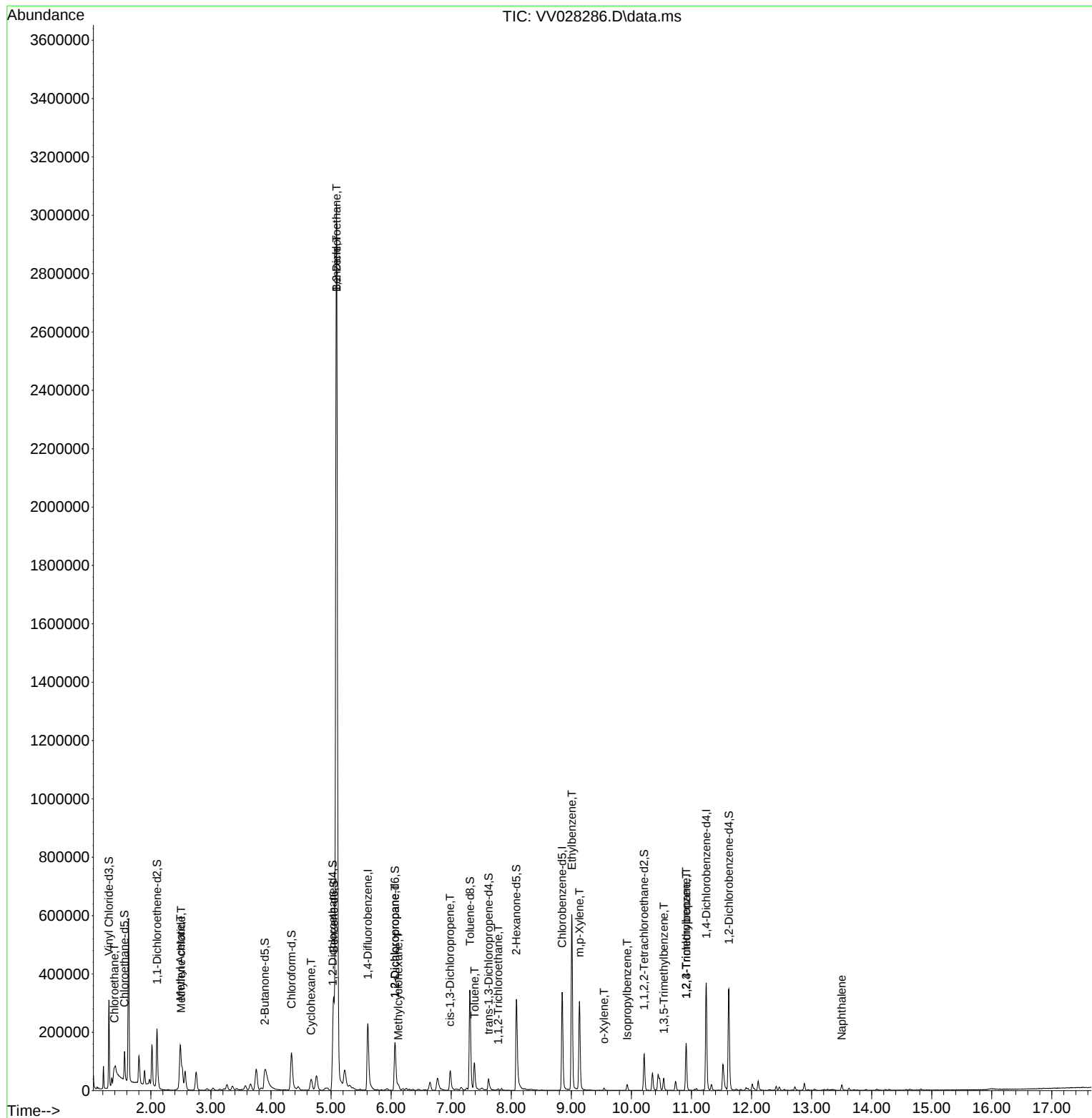
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

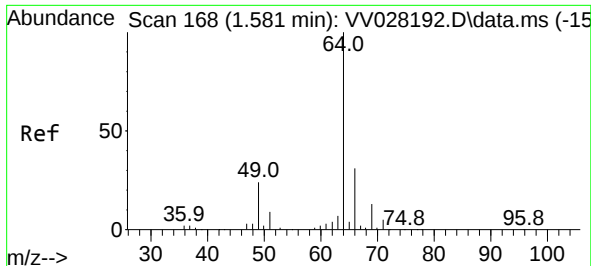
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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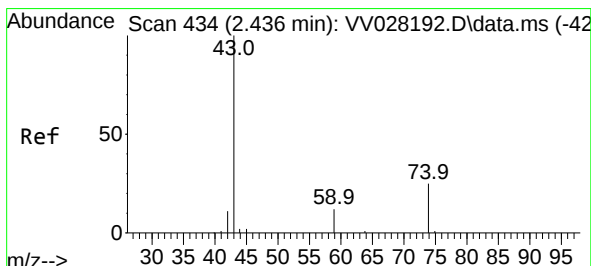
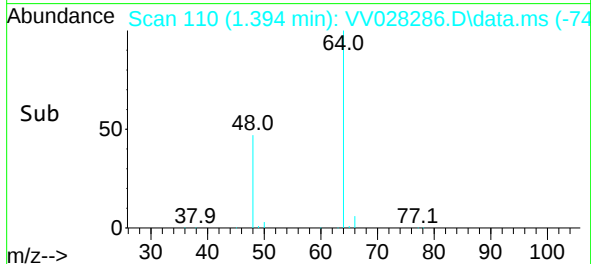
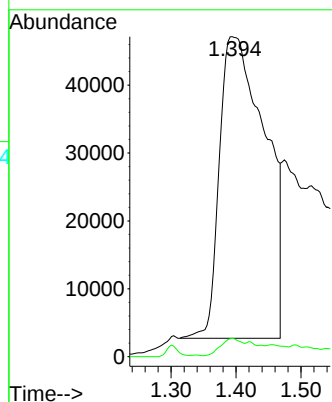
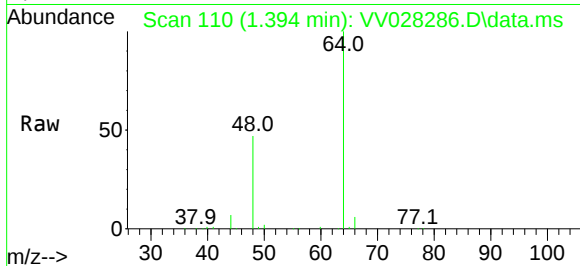




#8
Chloroethane
Concen: 18.036 ug/L
RT: 1.394 min Scan# 110
Delta R.T. -0.183 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

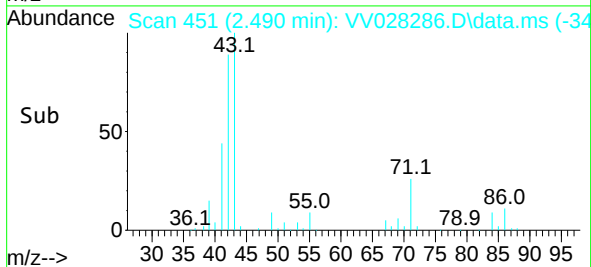
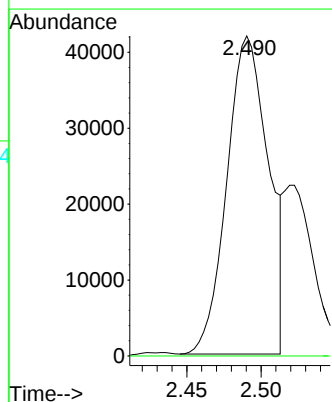
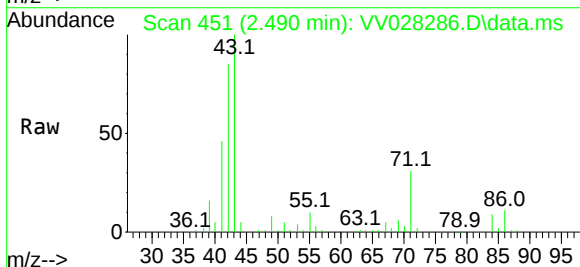
Instrument :
MSVOA_V
ClientSampleId :

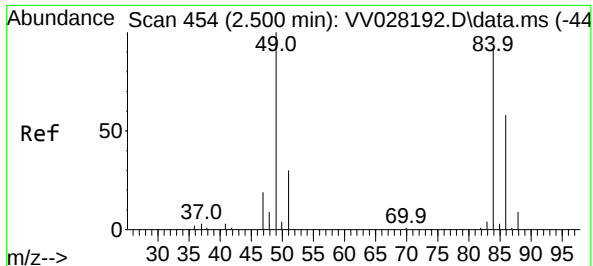
Tgt Ion: 64 Resp: 217428
Ion Ratio Lower Upper
64 100
66 5.7 23.0 42.8#



#15
Methyl Acetate
Concen: 17.078 ug/L
RT: 2.490 min Scan# 451
Delta R.T. 0.058 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

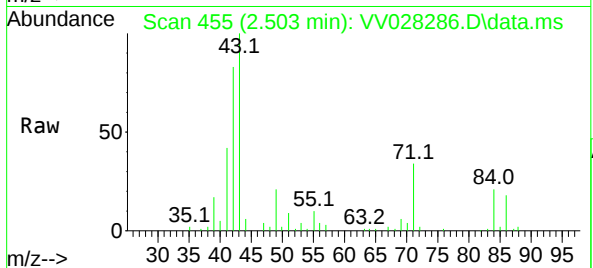
Tgt Ion: 43 Resp: 81772
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



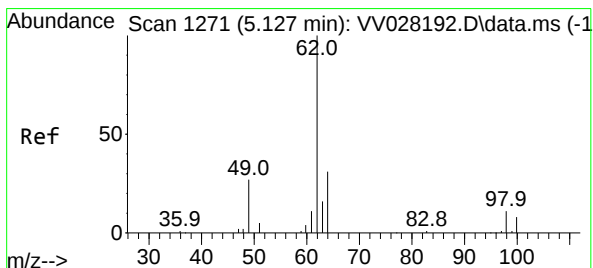
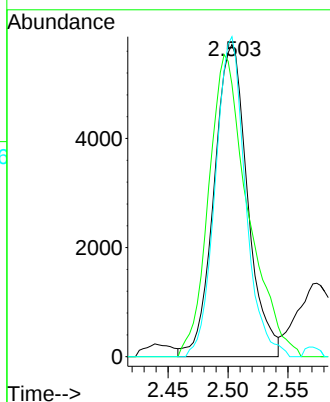
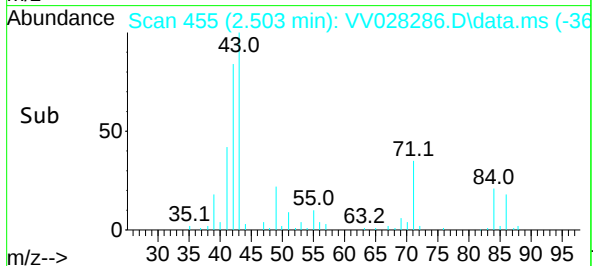


#16
Methylene chloride
Concen: 0.653 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

Instrument :
MSVOA_V
ClientSampleId :

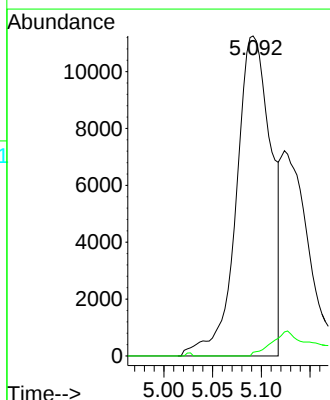
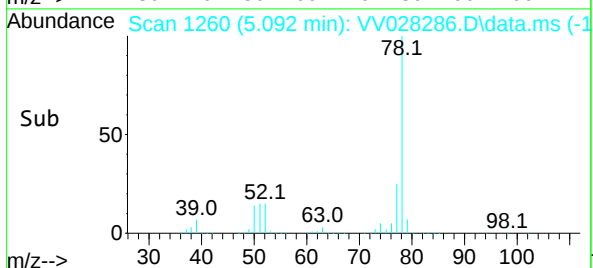
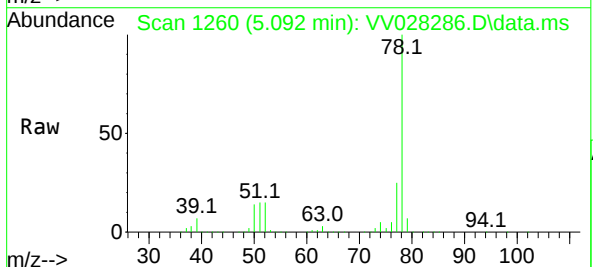


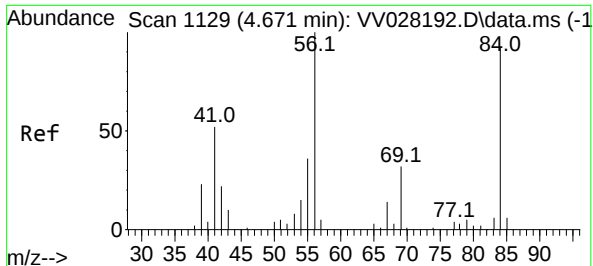
Tgt Ion: 84 Resp: 11103
Ion Ratio Lower Upper
84 100
86 87.2 46.8 86.8#
49 102.5 87.5 162.5



#27
1,2-Dichloroethane
Concen: 1.766 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.035 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

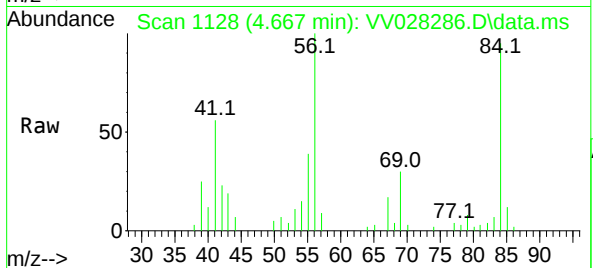
Tgt Ion: 62 Resp: 27816
Ion Ratio Lower Upper
62 100
98 1.1 6.7 10.1#





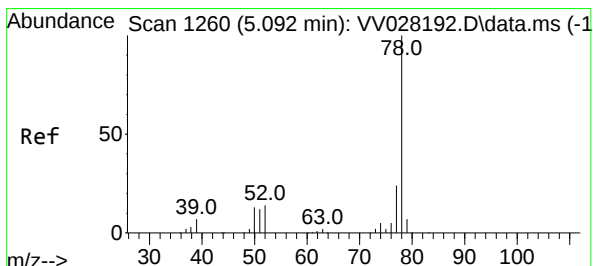
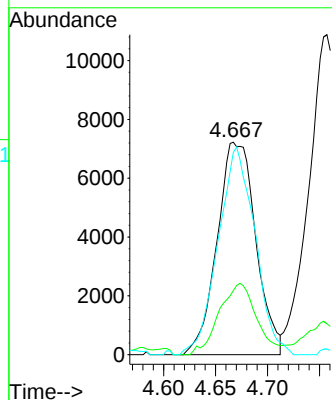
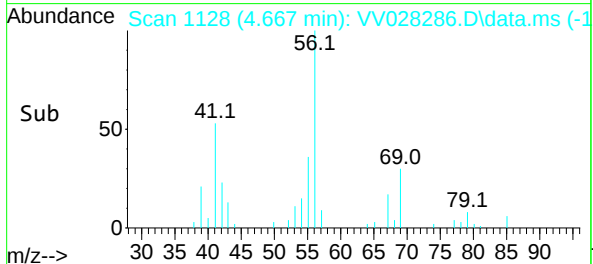
#30
Cyclohexane
Concen: 0.867 ug/L
RT: 4.667 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

Instrument :
MSVOA_V
ClientSampleId :



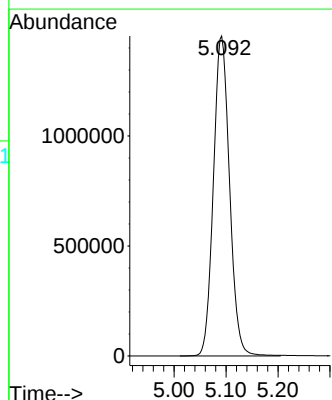
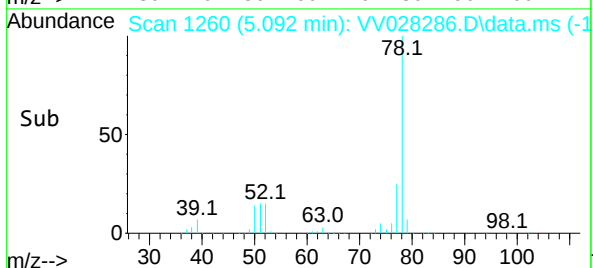
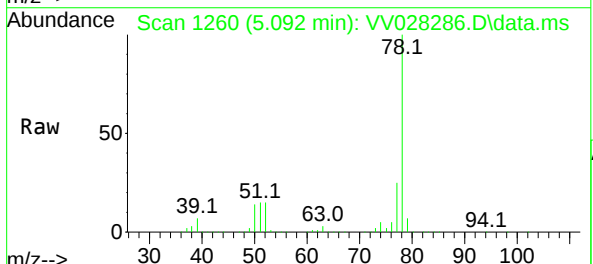
Tgt Ion: 56 Resp: 18702

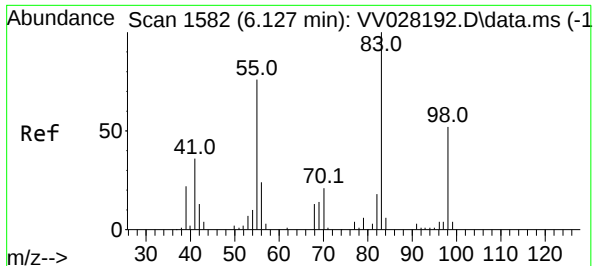
Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.7	35.5
84	93.2	67.3	100.9



#33
Benzene
Concen: 51.873 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

Tgt Ion: 78 Resp: 3134436

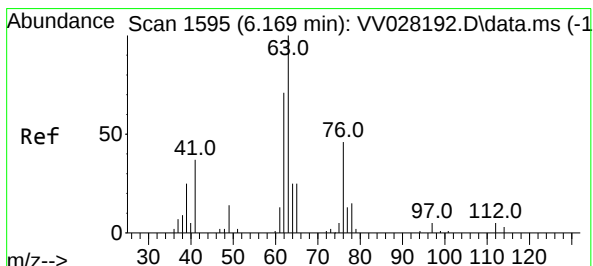
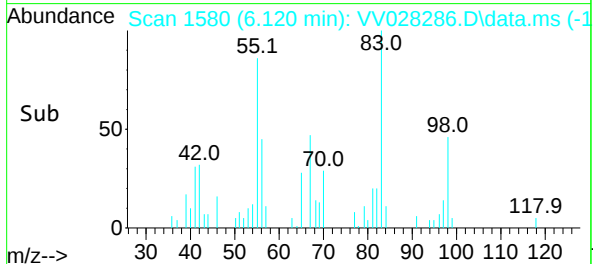
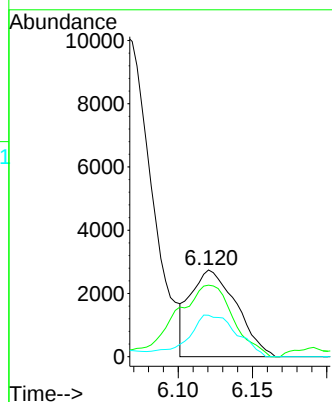
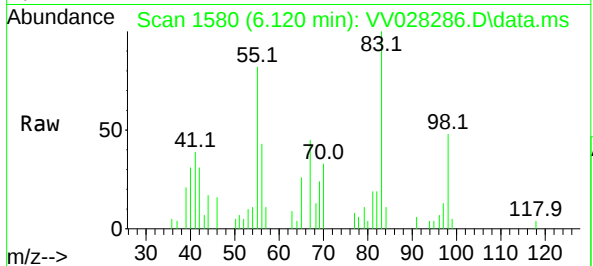




#35
Methylcyclohexane
Concen: 0.240 ug/L
RT: 6.120 min Scan# 1582
Delta R.T. -0.003 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

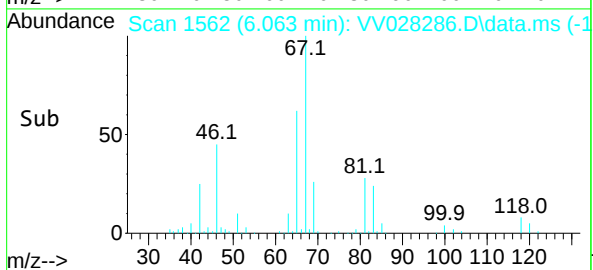
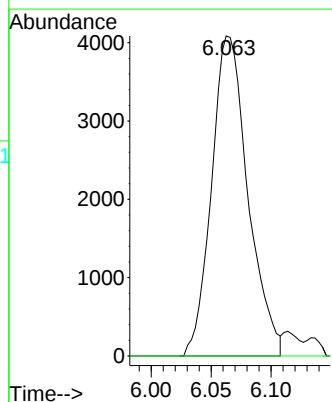
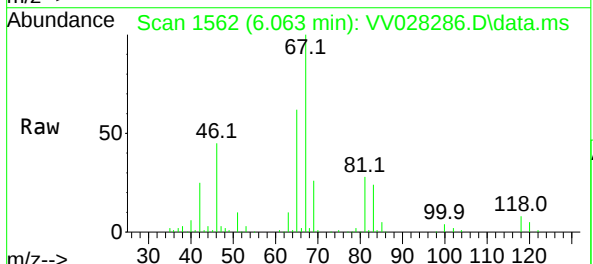
Instrument :
MSVOA_V
ClientSampleId :

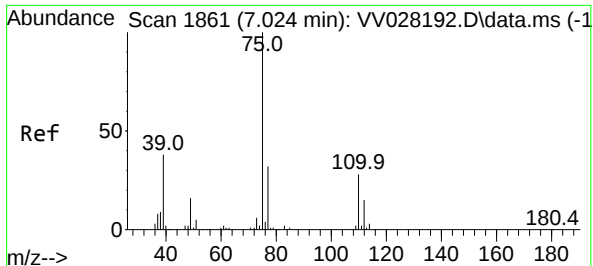
Tgt Ion: 83 Resp: 5936
Ion Ratio Lower Upper
83 100
55 106.8 64.7 97.1#
98 51.0 39.5 59.3



#37
1,2-Dichloropropane
Concen: 0.616 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.106 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

Tgt Ion: 63 Resp: 8617
Ion Ratio Lower Upper
63 100
112 0.9 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.042 min

Lab File: VV028286.D

Acq: 03 Oct 2022 18:23

Instrument :

MSVOA_V

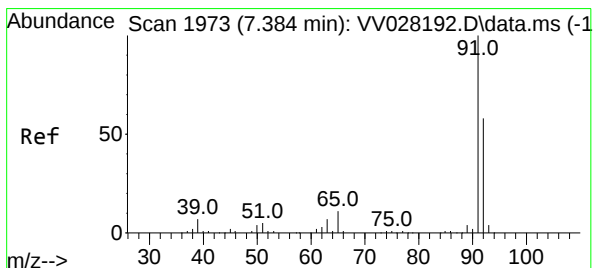
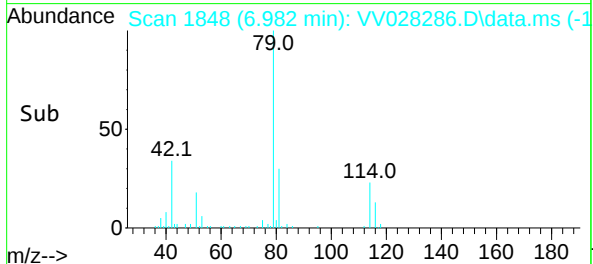
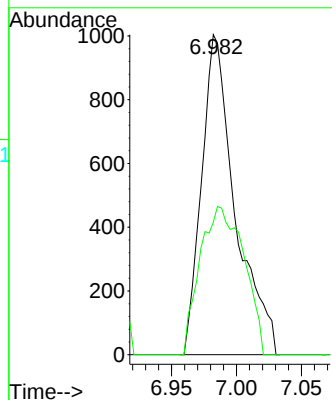
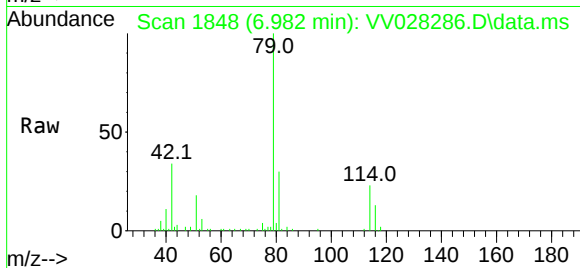
ClientSampleId :

Tgt Ion: 75 Resp: 1804

Ion Ratio Lower Upper

75 100

77 41.3 22.4 41.6



#42

Toluene

Concen: 1.148 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV028286.D

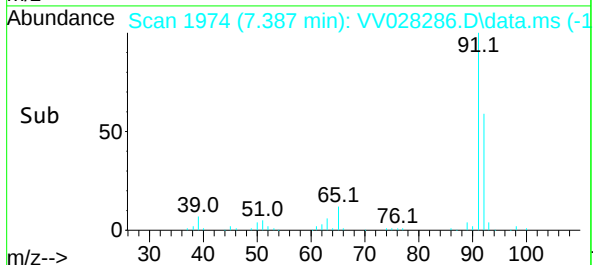
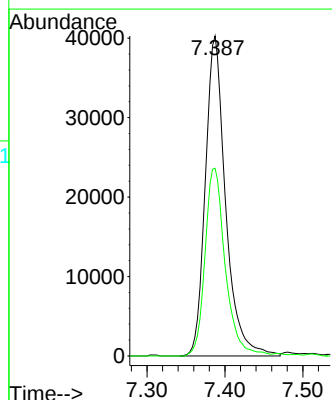
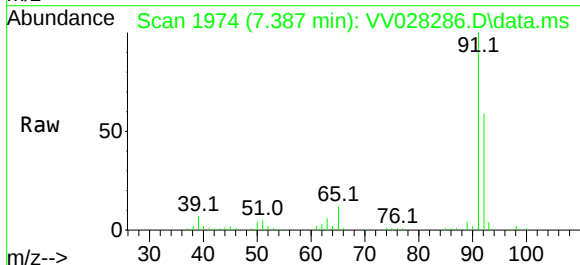
Acq: 03 Oct 2022 18:23

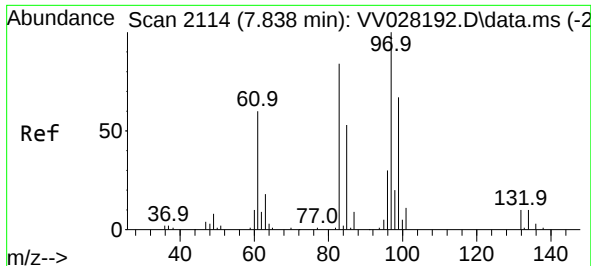
Tgt Ion: 91 Resp: 72976

Ion Ratio Lower Upper

91 100

92 58.6 40.2 74.6





#45

1,1,2-Trichloroethane

Concen: 0.175 ug/L

RT: 7.783 min Scan# 2097

Delta R.T. -0.055 min

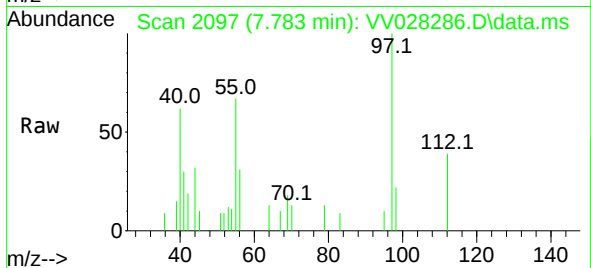
Lab File: VV028286.D

Acq: 03 Oct 2022 18:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 1821

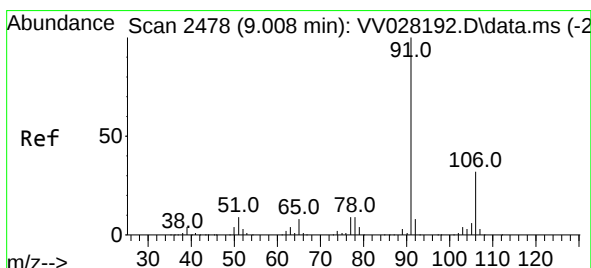
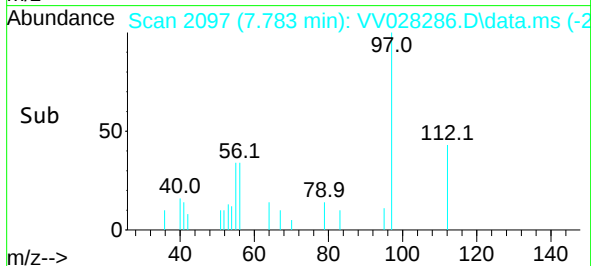
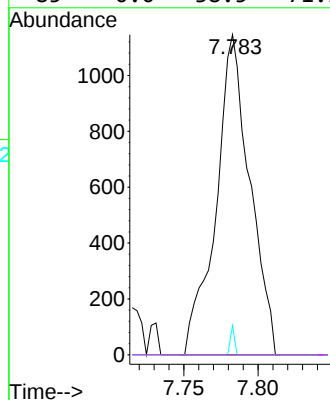
Ion Ratio Lower Upper

97 100

99 0.0 43.2 80.2#

83 9.2 59.1 109.9#

85 0.0 38.5 71.5#



#52

Ethylbenzene

Concen: 6.247 ug/L

RT: 9.008 min Scan# 2478

Delta R.T. 0.000 min

Lab File: VV028286.D

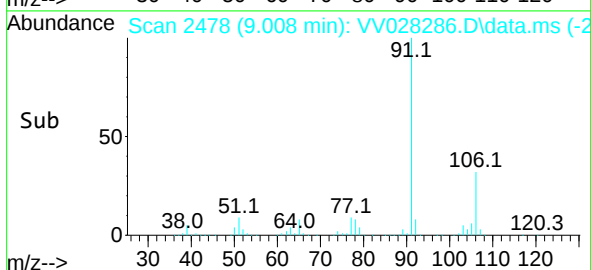
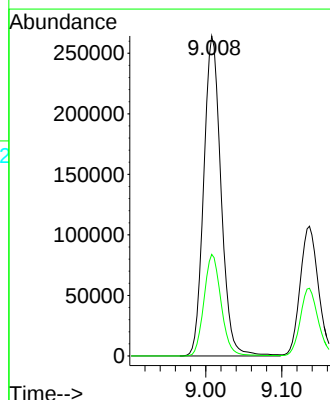
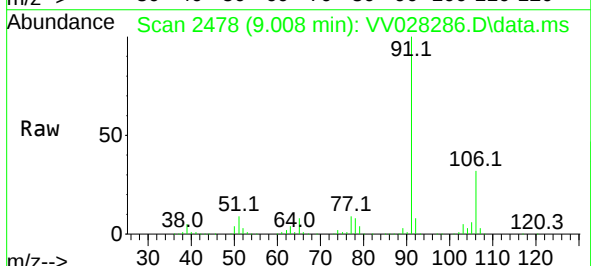
Acq: 03 Oct 2022 18:23

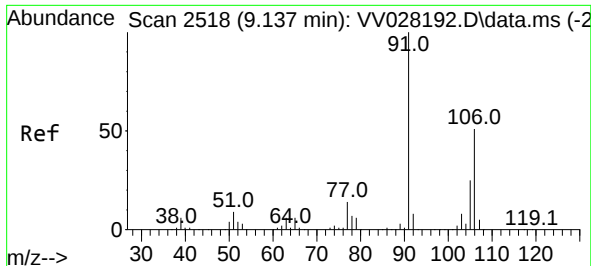
Tgt Ion: 91 Resp: 417402

Ion Ratio Lower Upper

91 100

106 31.7 21.5 39.9

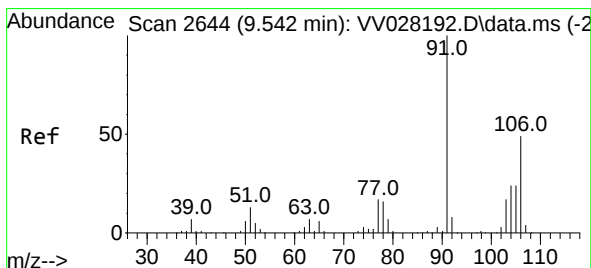
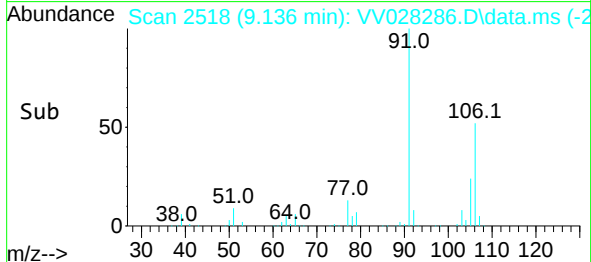
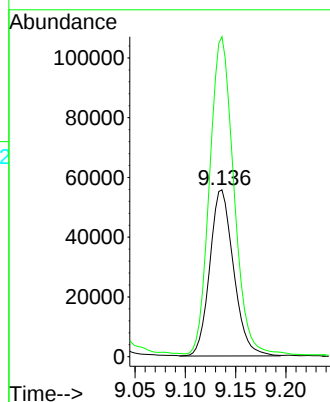
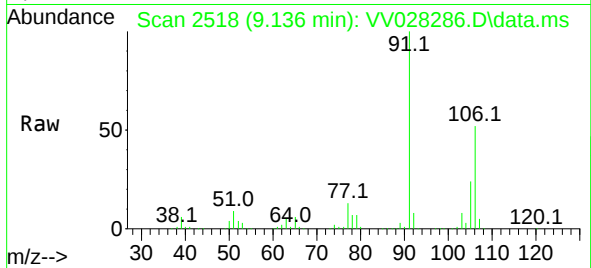




#53
m,p-Xylene
Concen: 3.436 ug/L
RT: 9.136 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

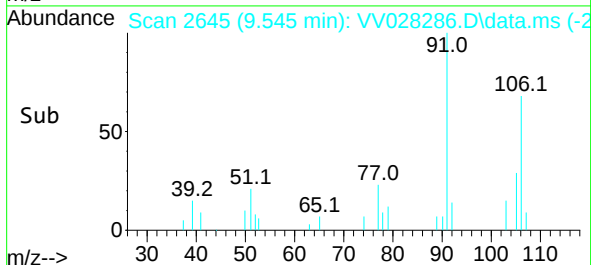
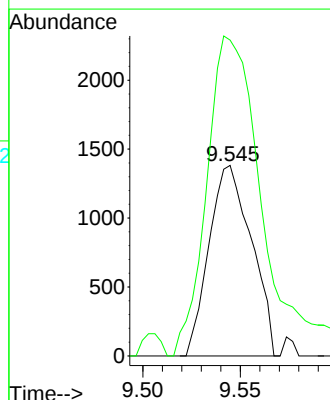
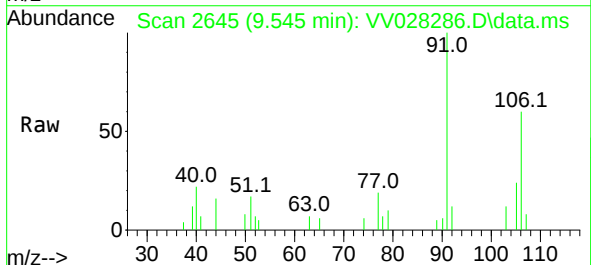
Instrument :
MSVOA_V
ClientSampleId :

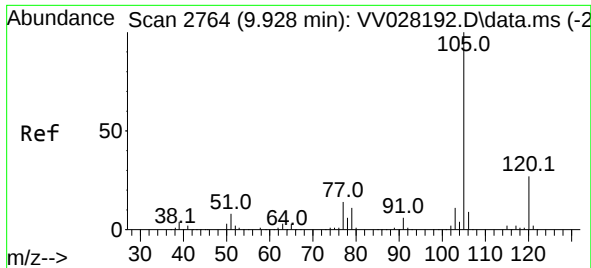
Tgt Ion:106 Resp: 91516
Ion Ratio Lower Upper
106 100
91 191.7 141.9 263.5



#54
o-Xylene
Concen: 0.083 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

Tgt Ion:106 Resp: 2090
Ion Ratio Lower Upper
106 100
91 165.8 148.1 275.0

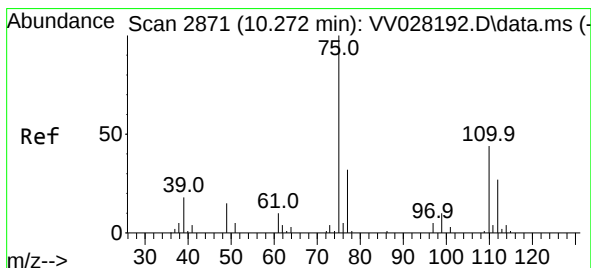
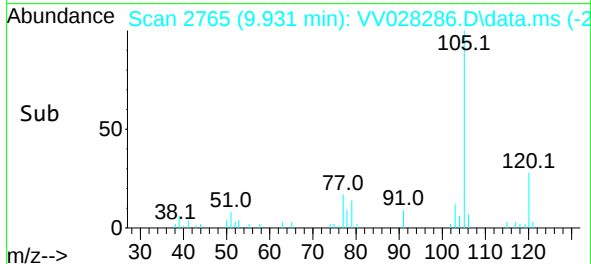
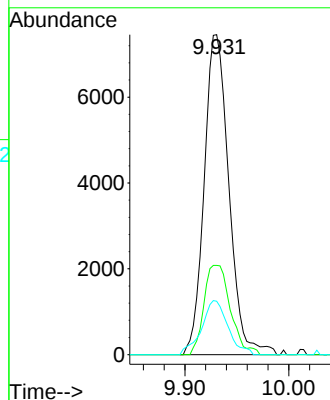
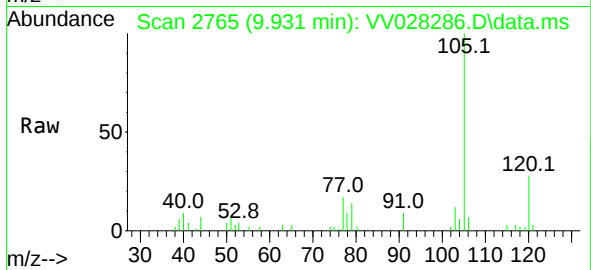




#60
Isopropylbenzene
Concen: 0.192 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

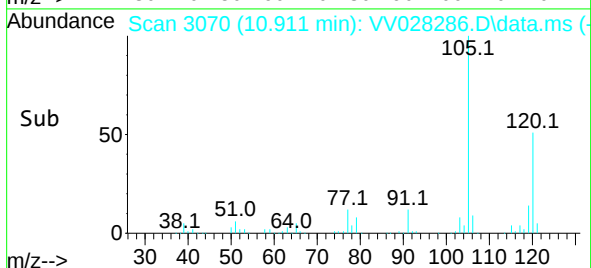
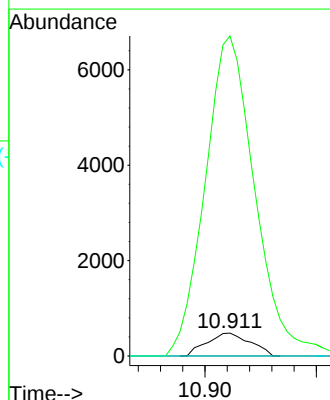
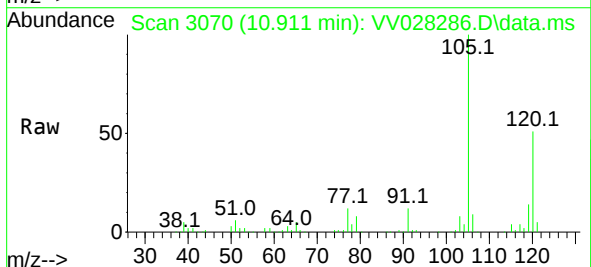
Instrument :
MSVOA_V
ClientSampleId :

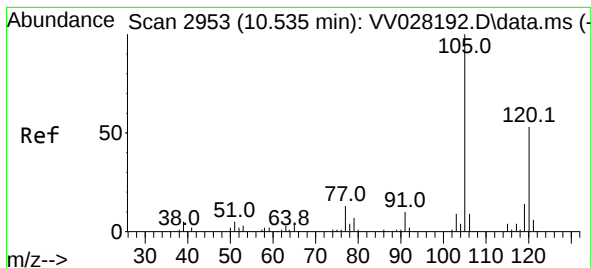
Tgt Ion:105 Resp: 12307
Ion Ratio Lower Upper
105 100
120 29.7 21.4 32.0
77 18.0 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 0.081 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. 0.640 min
Lab File: VV028286.D
Acq: 03 Oct 2022 18:23

Tgt Ion: 75 Resp: 652
Ion Ratio Lower Upper
75 100
77 1596.5 26.7 40.1#
110 0.0 30.1 45.1#





#62

1,3,5-Trimethylbenzene

Concen: 1.168 ug/L

RT: 10.538 min Scan# 2953

Delta R.T. 0.003 min

Lab File: VV028286.D

Acq: 03 Oct 2022 18:23

Instrument :

MSVOA_V

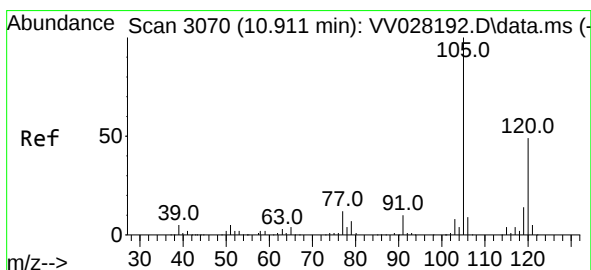
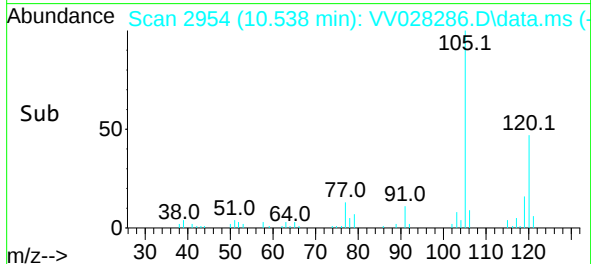
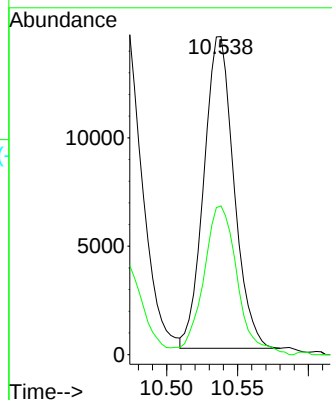
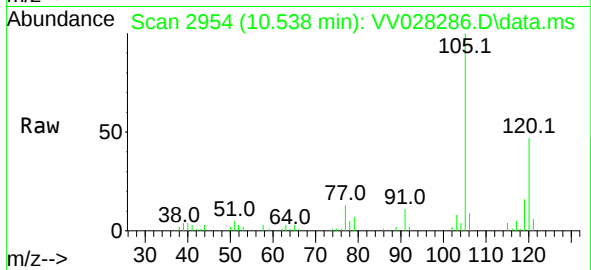
ClientSampleId :

Tgt Ion:105 Resp: 21255

Ion Ratio Lower Upper

105 100

120 53.6 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 1.682 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV028286.D

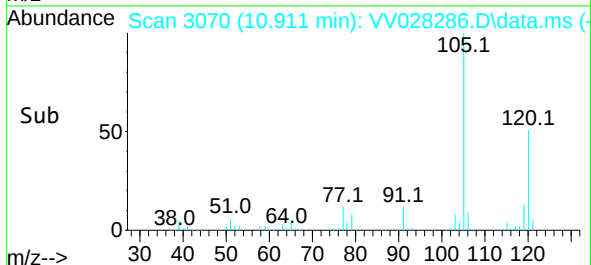
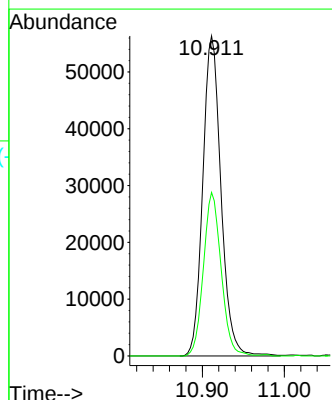
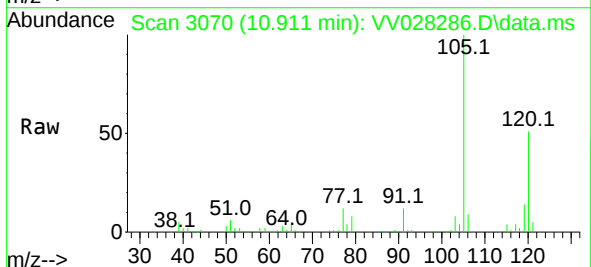
Acq: 03 Oct 2022 18:23

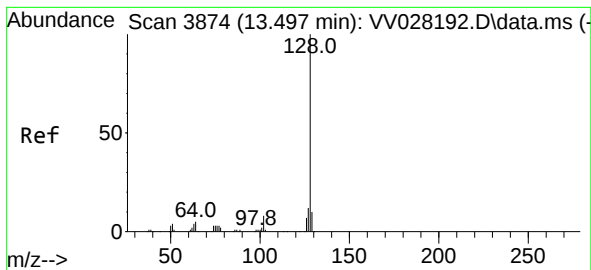
Tgt Ion:105 Resp: 86767

Ion Ratio Lower Upper

105 100

120 49.7 37.8 56.8





#71

Naphthalene

Concen: 0.534 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.003 min

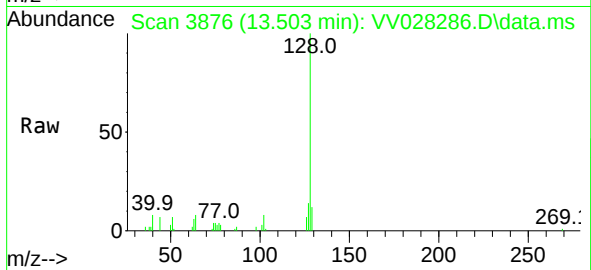
Lab File: VV028286.D

Acq: 03 Oct 2022 18:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 15823

Ion Ratio Lower Upper

128 100

129 10.9 8.2 12.2

127 13.3 10.4 15.6

