

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
 Data File : VW024378.D
 Acq On : 27 Aug 2022 04:31
 Operator : SY/VA
 Sample : N4345-02
 Misc : 4.71g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 27 05:43:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 27 02:57:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	186172	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.646	117	139129	25.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	13.554	152	127944	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.337	65	168175	32.770	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	131.080%
7) Chloroethane-d5	2.873	69	101968	26.519	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.080%
11) 1,1-Dichloroethene-d2	3.916	63	146	0.033	ug/L	-0.09
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.120%#
21) 2-Butanone-d5	7.269	46	286	0.303	ug/L	0.19
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.600%#
24) Chloroform-d	7.653	84	82710	13.819	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	55.280%
26) 1,2-Dichloroethane-d4	8.214	65	117	0.032	ug/L	-0.09
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.120%#
32) Benzene-d6	8.281	84	196541	24.656	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.640%
36) 1,2-Dichloropropane-d6	9.275	67	56372	22.739	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.960%
41) Toluene-d8	10.335	98	182693	24.105	ug/L	0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	10.585	79	21935	18.907	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.640%
47) 2-Hexanone-d5	11.024	63	3687	6.646	ug/L	0.10
Spiked Amount	50.000	Range	20 - 135	Recovery	=	13.300%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	55045	19.611	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.440%
66) 1,2-Dichlorobenzene-d4	13.853	152	85569	17.760	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	71.040%#
Target Compounds						
					Qvalue	
20) cis-1,2-Dichloroethene	7.171	96	9356	3.232	ug/L	99
34) Trichloroethene	9.098	95	91073	39.891	ug/L	94
35) Methylcyclohexane	9.342	83	3992	1.090	ug/L #	80
37) 1,2-Dichloropropane	9.281	63	7324	3.276	ug/L	98
42) Toluene	10.402	91	316428	33.101	ug/L	96
48) 2-Hexanone	10.969	43	12249	10.447	ug/L #	41
51) Chlorobenzene	11.677	112	6794	1.059	ug/L	94
52) Ethylbenzene	11.744	91	55905	5.290	ug/L	97
53) m,p-Xylene	11.847	106	90215	21.735	ug/L	90
54) o-Xylene	12.170	106	57378	14.788	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.701	83	2765	1.087	ug/L #	56
60) Isopropylbenzene	12.463	105	1091402	64.225	ug/L	98
62) 1,3,5-Trimethylbenzene	12.945	105	527969	38.531	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	1149078	86.336	ug/L	97
65) 1,4-Dichlorobenzene	13.579	146	6218	0.725	ug/L #	56
68) 1,2-Dibromo-3-chloropr...	14.201	75	1477	2.032	ug/L #	7
71) Naphthalene	15.359	128	42984	4.801	ug/L	95

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Quant Title : SFAM01.0
QLast Update : Sat Aug 27 02:57:08 2022
Response via : Initial Calibration

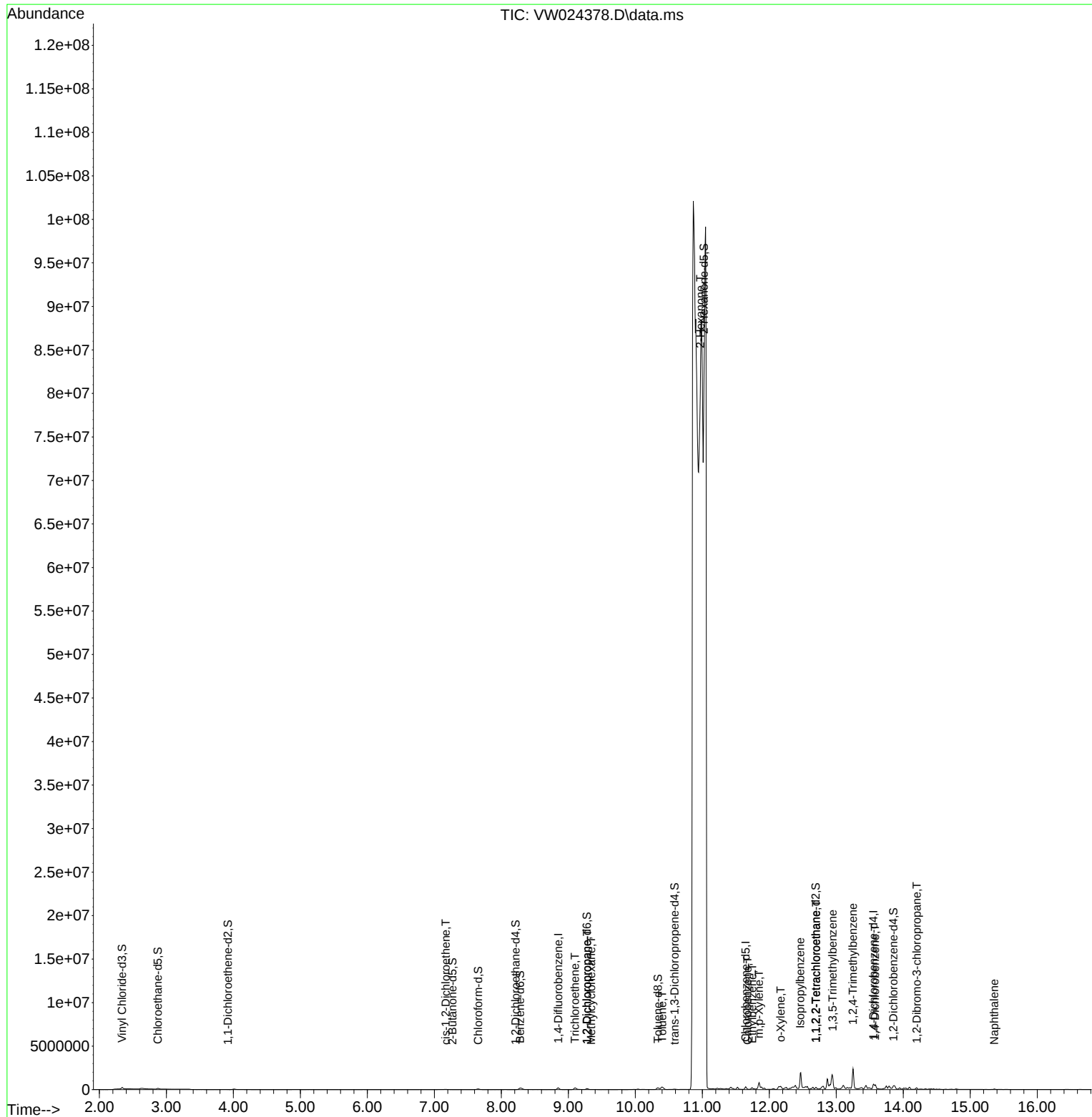
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

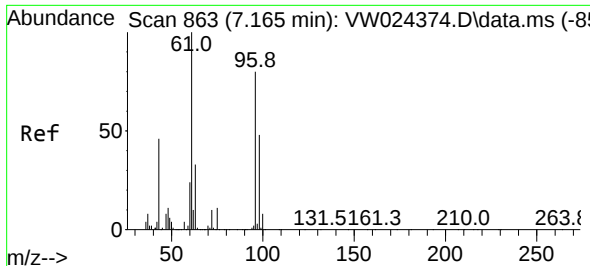
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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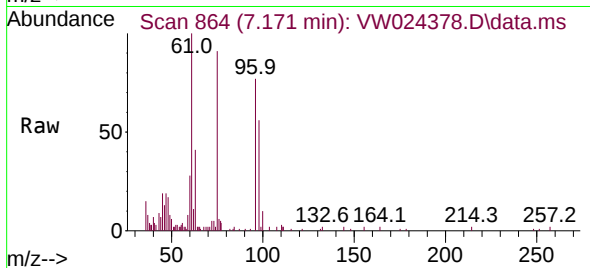
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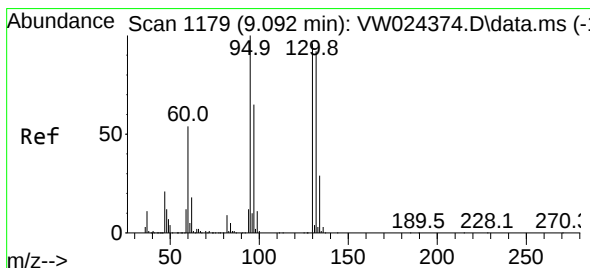
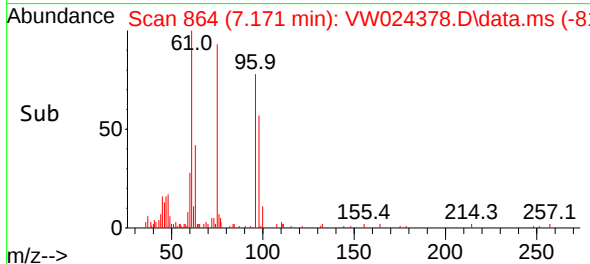
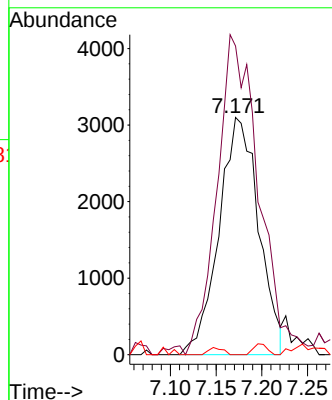


#20
 cis-1,2-Dichloroethene
 Concen: 3.232 ug/L
 RT: 7.171 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW024378.D
 Acq: 27 Aug 2022 04:31

Instrument :
 MSVOA_W
 ClientSampleId :

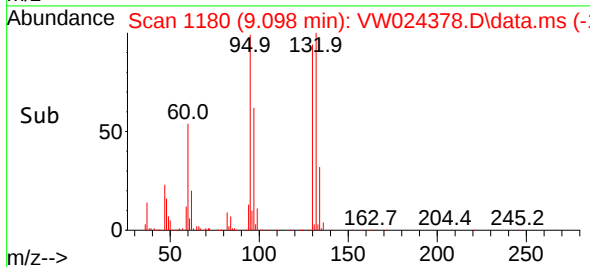
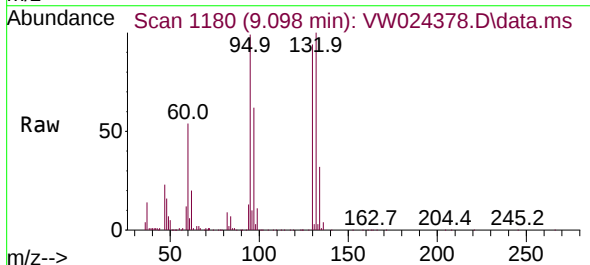
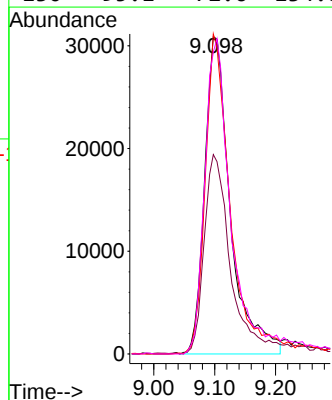


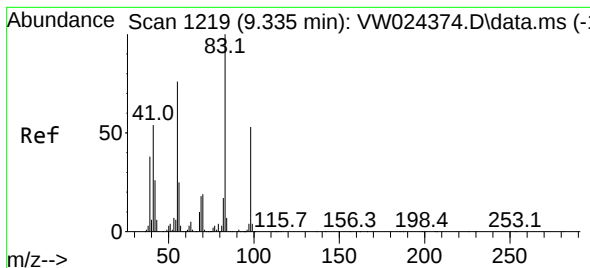
Tgt Ion: 96 Resp: 9356
 Ion Ratio Lower Upper
 96 100
 61 130.1 90.2 167.6
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 39.891 ug/L
 RT: 9.098 min Scan# 1180
 Delta R.T. 0.006 min
 Lab File: VW024378.D
 Acq: 27 Aug 2022 04:31

Tgt Ion: 95 Resp: 91073
 Ion Ratio Lower Upper
 95 100
 97 62.8 48.4 89.8
 132 100.8 68.6 127.4
 130 95.1 72.6 134.8

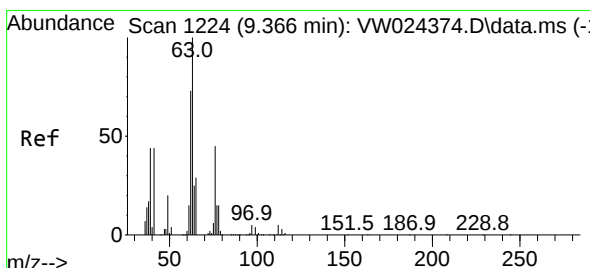
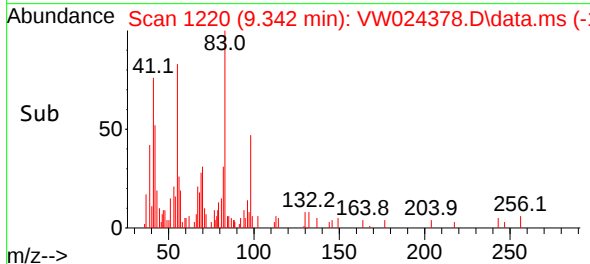
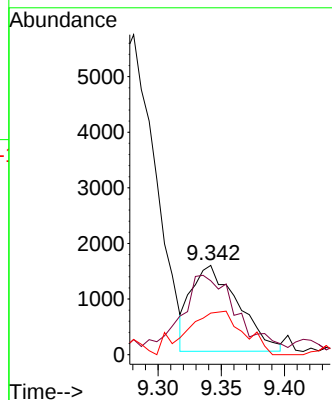
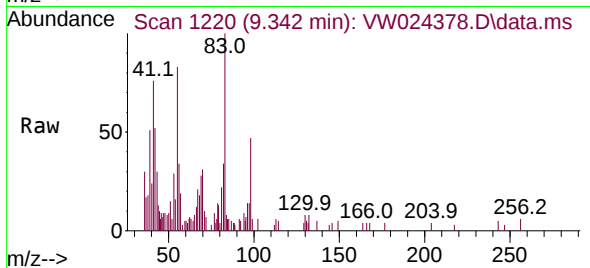




#35
Methylcyclohexane
Concen: 1.090 ug/L
RT: 9.342 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW024378.D
Acq: 27 Aug 2022 04:31

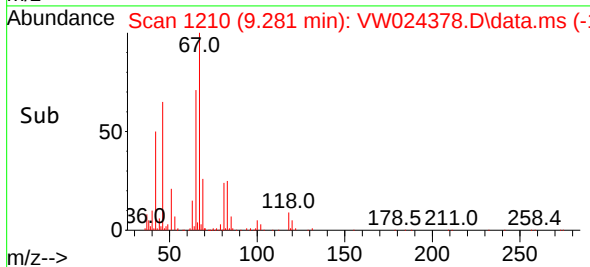
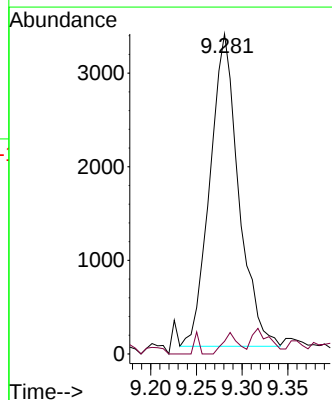
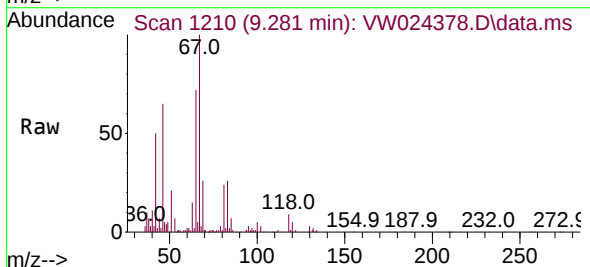
Instrument :
MSVOA_W
ClientSampleId :

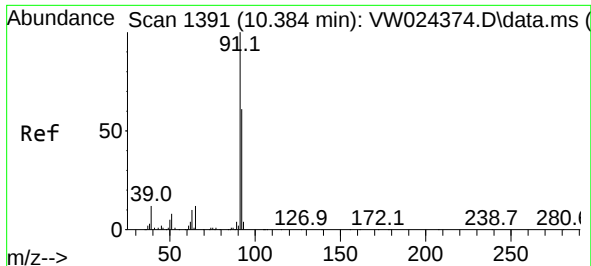
Tgt Ion: 83 Resp: 3992
Ion Ratio Lower Upper
83 100
55 61.4 60.1 90.1
98 32.4 40.5 60.7#



#37
1,2-Dichloropropane
Concen: 3.276 ug/L
RT: 9.281 min Scan# 1210
Delta R.T. -0.085 min
Lab File: VW024378.D
Acq: 27 Aug 2022 04:31

Tgt Ion: 63 Resp: 7324
Ion Ratio Lower Upper
63 100
112 3.5 3.4 5.0

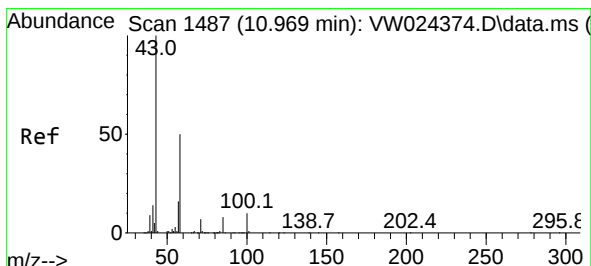
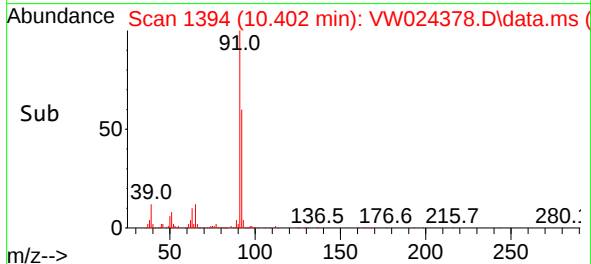
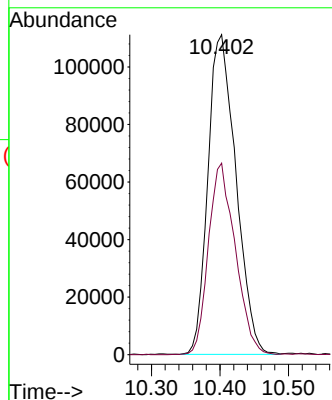
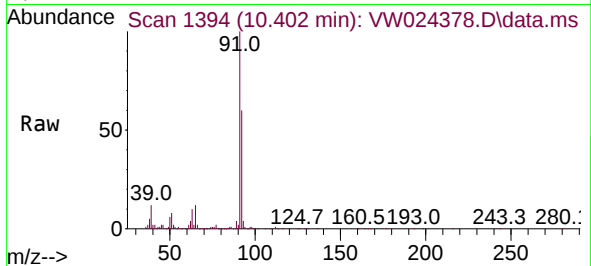




#42
Toluene
Concen: 33.101 ug/L
RT: 10.402 min Scan# 1394
Delta R.T. 0.018 min
Lab File: VW024378.D
Acq: 27 Aug 2022 04:31

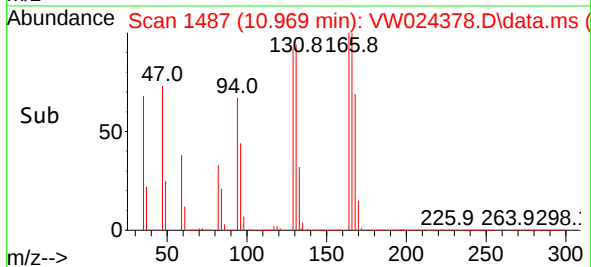
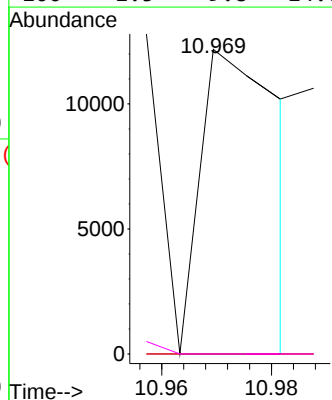
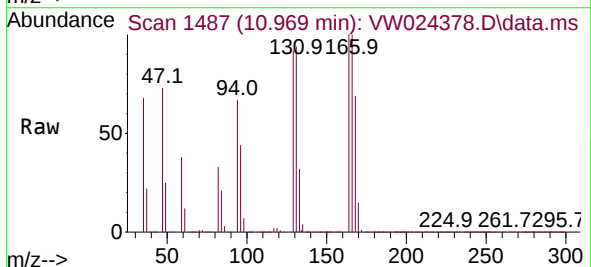
Instrument :
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ClientSampleId :

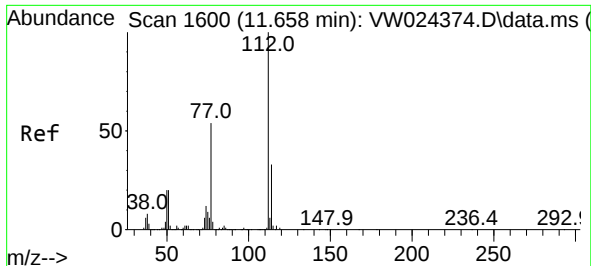
Tgt Ion: 91 Resp: 316428
Ion Ratio Lower Upper
91 100
92 59.9 40.0 74.4



#48
2-Hexanone
Concen: 10.447 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW024378.D
Acq: 27 Aug 2022 04:31

Tgt Ion: 43 Resp: 12249
Ion Ratio Lower Upper
43 100
58 0.0 40.6 61.0#
57 0.0 14.2 21.2#
100 1.5 9.8 14.6#

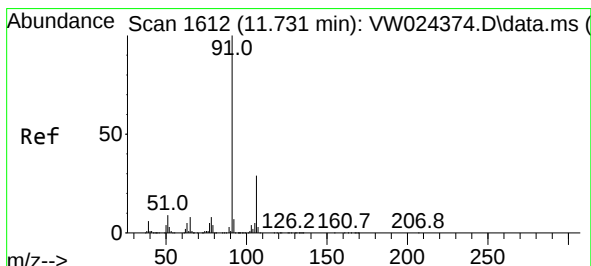
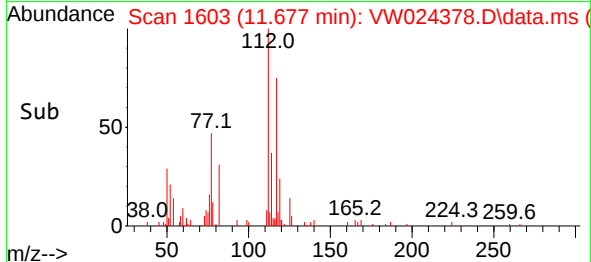
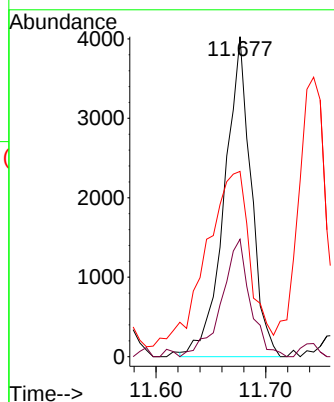
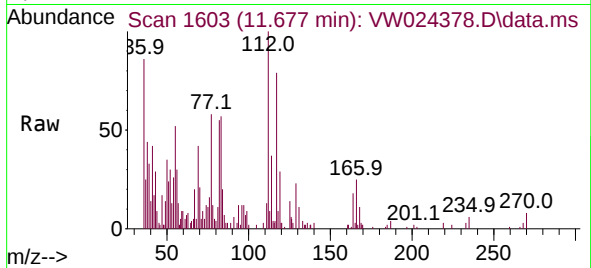




#51
Chlorobenzene
Concen: 1.059 ug/L
RT: 11.677 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VW024378.D
Acq: 27 Aug 2022 04:31

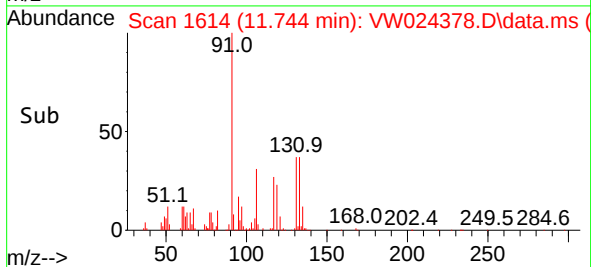
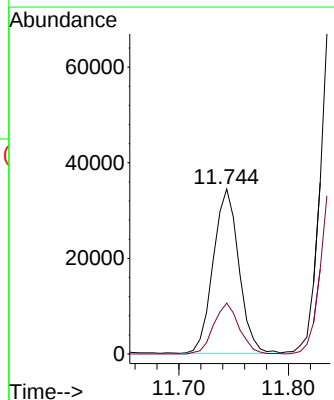
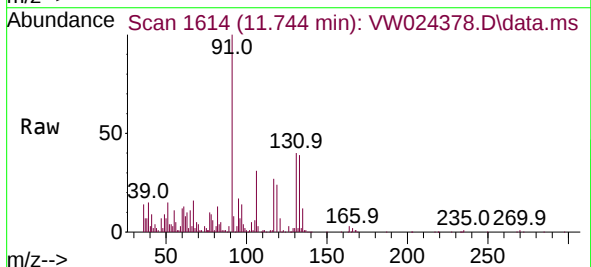
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ClientSampleId :

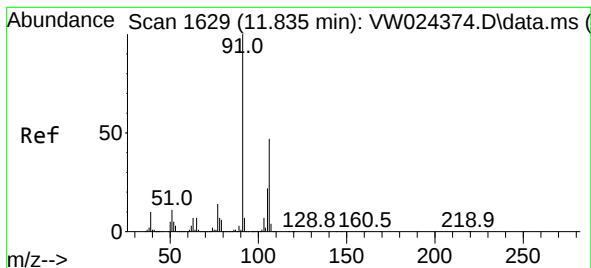
Tgt Ion:112 Resp: 6794
Ion Ratio Lower Upper
112 100
114 36.7 22.3 41.3
77 57.9 44.1 66.1



#52
Ethylbenzene
Concen: 5.290 ug/L
RT: 11.744 min Scan# 1614
Delta R.T. 0.012 min
Lab File: VW024378.D
Acq: 27 Aug 2022 04:31

Tgt Ion: 91 Resp: 55905
Ion Ratio Lower Upper
91 100
106 30.8 22.7 42.3

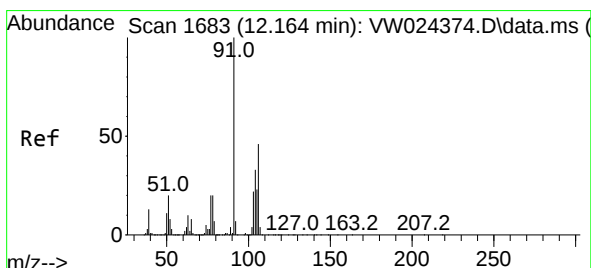
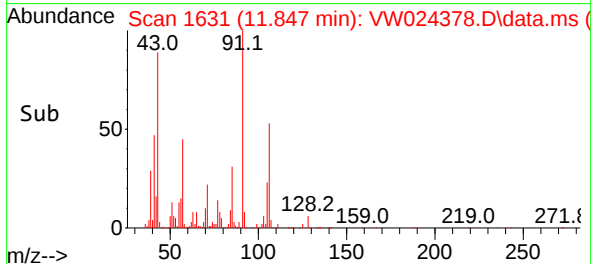
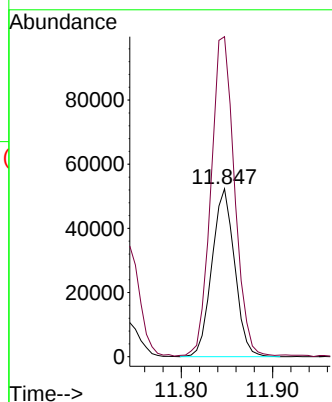
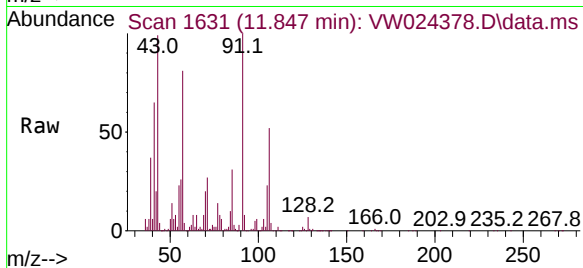




#53
m,p-Xylene
Concen: 21.735 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.012 min
Lab File: VW024378.D
Acq: 27 Aug 2022 04:31

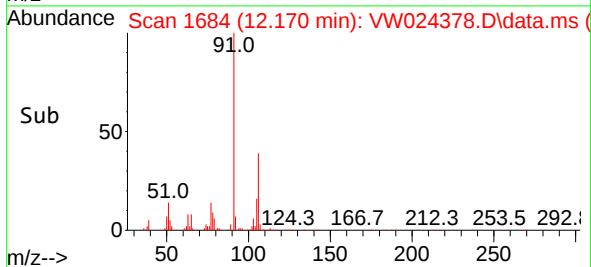
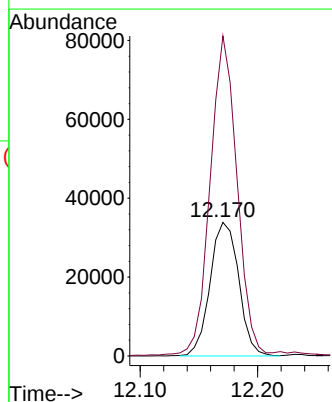
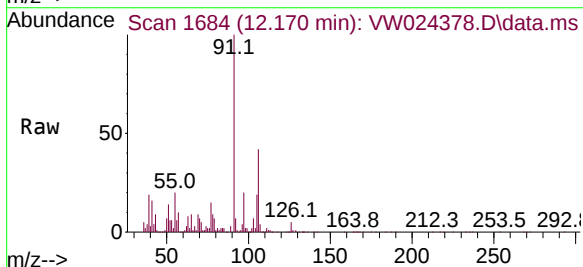
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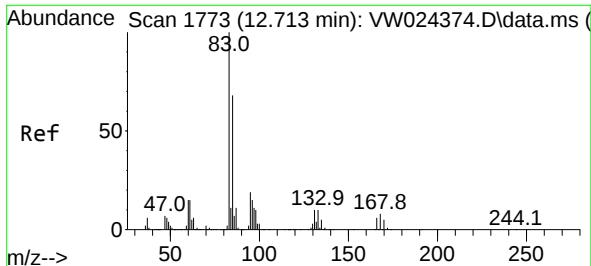
Tgt Ion:106 Resp: 90215
Ion Ratio Lower Upper
106 100
91 190.6 144.3 267.9



#54
o-Xylene
Concen: 14.788 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW024378.D
Acq: 27 Aug 2022 04:31

Tgt Ion:106 Resp: 57378
Ion Ratio Lower Upper
106 100
91 239.5 152.1 282.5





#57

1,1,2,2-Tetrachloroethane

Concen: 1.087 ug/L

RT: 12.701 min Scan# 1771

Delta R.T. -0.012 min

Lab File: VW024378.D

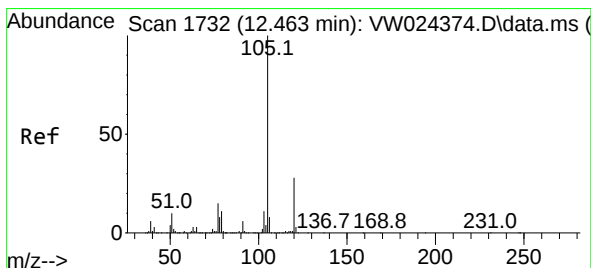
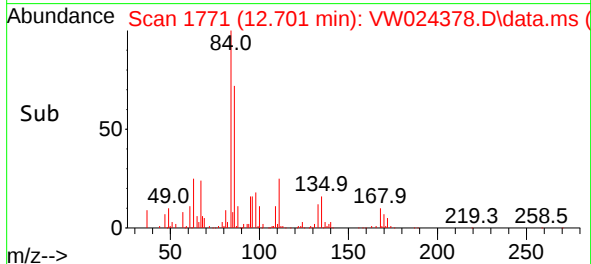
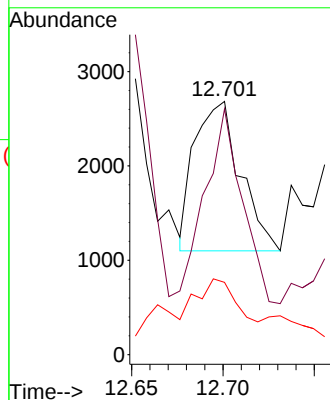
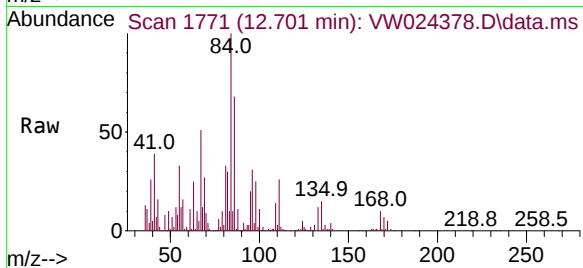
Acq: 27 Aug 2022 04:31

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp: 2765
Ion Ratio	Lower Upper
83	100
85	97.0 44.4 82.5#
131	28.6 8.4 12.6#



#60

Isopropylbenzene

Concen: 64.225 ug/L

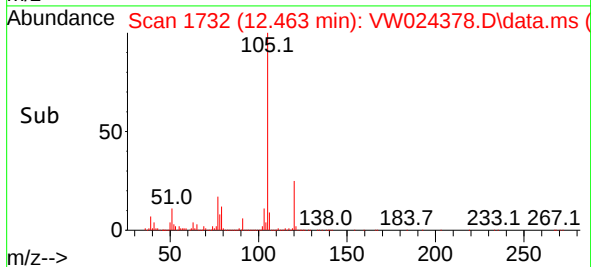
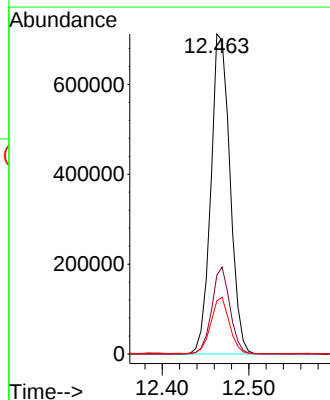
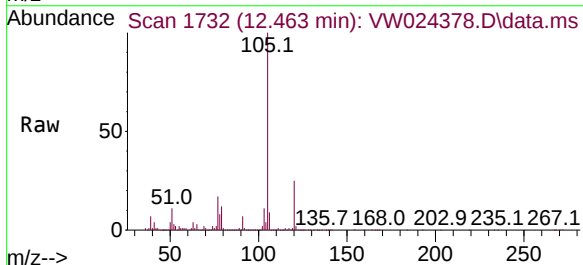
RT: 12.463 min Scan# 1732

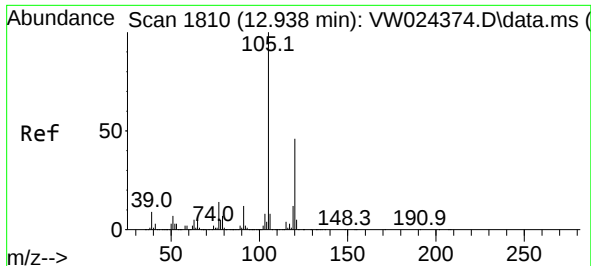
Delta R.T. 0.000 min

Lab File: VW024378.D

Acq: 27 Aug 2022 04:31

Tgt Ion: 105	Resp: 1091402
Ion Ratio	Lower Upper
105	100
120	25.9 21.4 32.0
77	17.1 13.0 19.6





#62

1,3,5-Trimethylbenzene

Concen: 38.531 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW024378.D

Acq: 27 Aug 2022 04:31

Instrument :

MSVOA_W

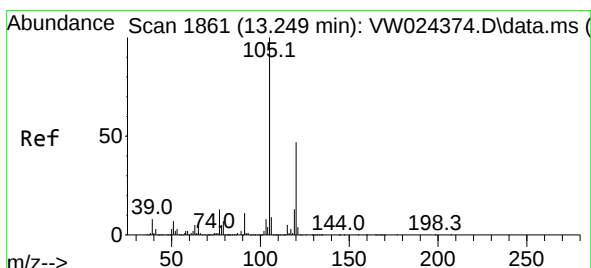
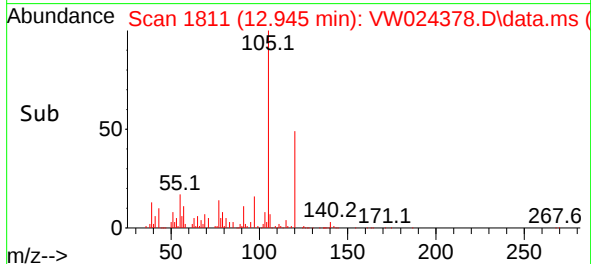
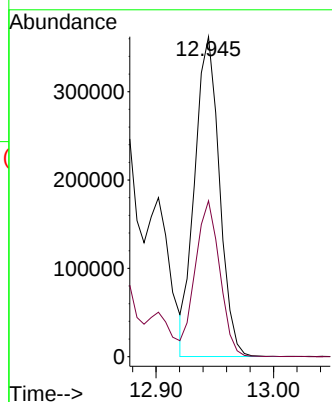
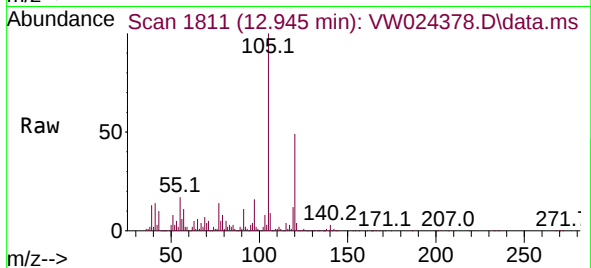
ClientSampleId :

Tgt Ion:105 Resp: 527969

Ion Ratio Lower Upper

105 100

120 48.4 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 86.336 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW024378.D

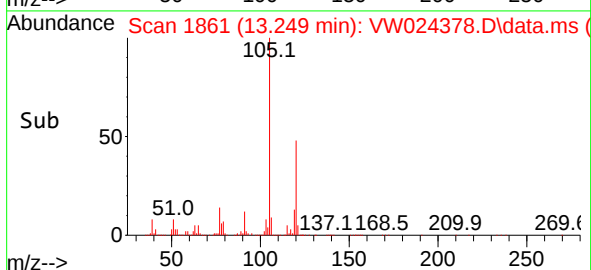
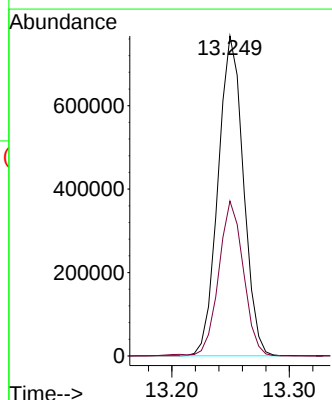
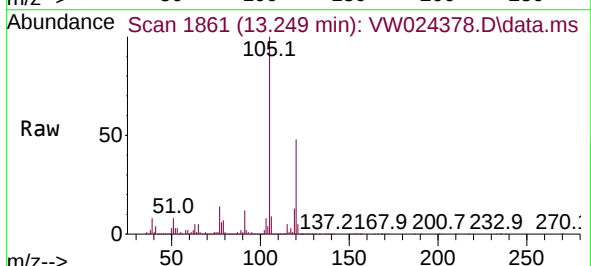
Acq: 27 Aug 2022 04:31

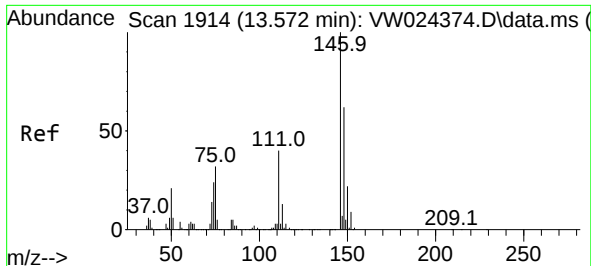
Tgt Ion:105 Resp: 1149078

Ion Ratio Lower Upper

105 100

120 46.9 36.2 54.2





#65

1,4-Dichlorobenzene

Concen: 0.725 ug/L

RT: 13.579 min Scan# 1914

Delta R.T. 0.006 min

Lab File: VW024378.D

Acq: 27 Aug 2022 04:31

Instrument :

MSVOA_W

ClientSampleId :

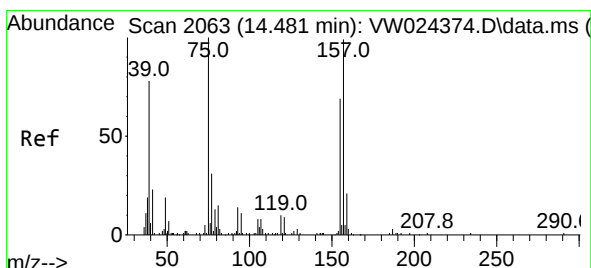
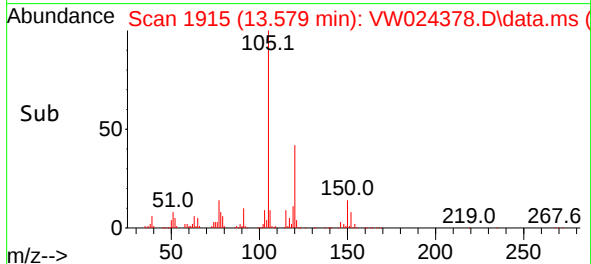
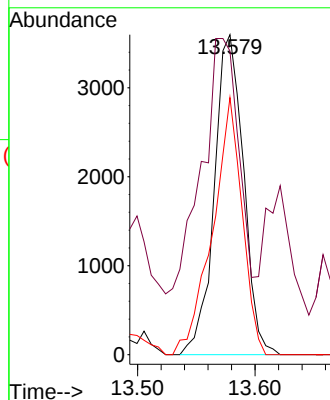
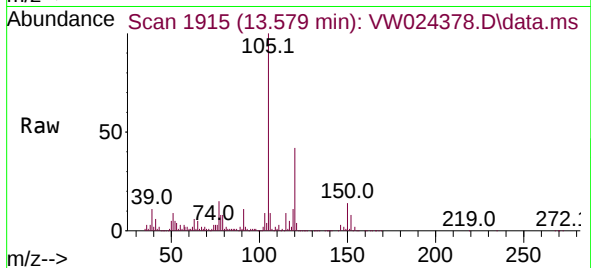
Tgt Ion:146 Resp: 6218

Ion Ratio Lower Upper

146 100

111 94.9 27.7 51.5#

148 80.3 46.5 86.5



#68

1,2-Dibromo-3-chloropropane

Concen: 2.032 ug/L

RT: 14.201 min Scan# 2017

Delta R.T. -0.280 min

Lab File: VW024378.D

Acq: 27 Aug 2022 04:31

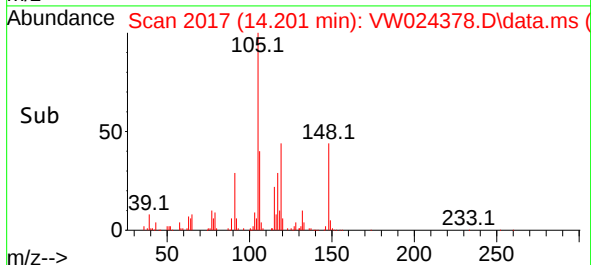
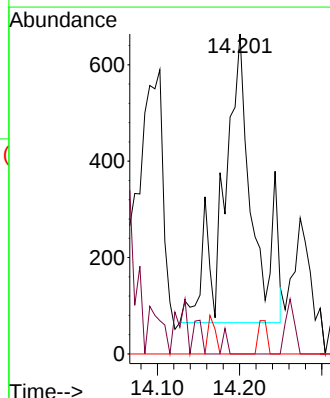
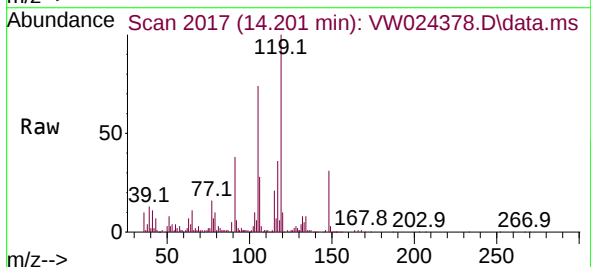
Tgt Ion: 75 Resp: 1477

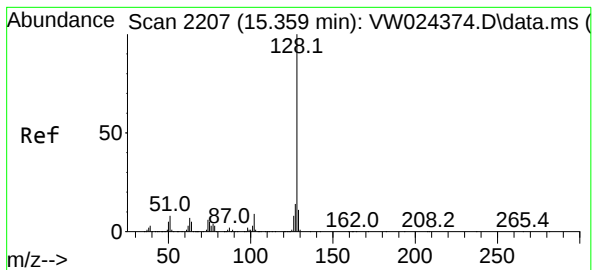
Ion Ratio Lower Upper

75 100

155 0.0 63.9 95.9#

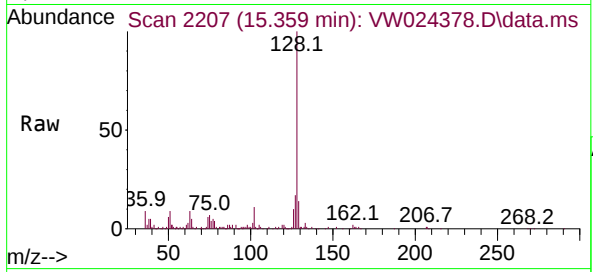
157 0.0 72.2 108.4#





#71
 Naphthalene
 Concen: 4.801 ug/L
 RT: 15.359 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW024378.D
 Acq: 27 Aug 2022 04:31

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:128 Resp: 42984

Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.5	15.7
129	11.8	8.3	12.5

