

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073120\
 Data File : VW016023.D
 Acq On : 31 Jul 2020 16:36
 Operator : SY/VA
 Sample : L3533-01
 Misc : 5.18G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CB7H4

Quant Time: Aug 01 02:50:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 01 02:48:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	349049	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	251178	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	64608	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	103661	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.20%
7) Chloroethane-d5	2.89	69	86994	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.00%
10) 1,1-Dichloroethene-d2	4.01	63	154576	15.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.08%
20) 2-Butanone-d5	7.08	46	48016	37.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.22%
24) Chloroform-d	7.65	84	208200	21.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.96%
26) 1,2-Dichloroethane-d4	8.31	65	106976	19.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.52%
29) Benzene-d6	8.27	84	425383	27.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.28%
33) 1,2-Dichloropropane-d6	9.27	67	129583	28.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.08%
37) Toluene-d8	10.33	98	336347	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.16%
38) trans-1,3-Dichloropropene-	10.58	79	41668	21.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.32%
39) 2-Hexanone-d5	10.93	63	37460	49.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	73351	20.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	53207	21.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.48%

Target Compounds

					Ovalue
13) Acetone	4.13	43	13505	12.430	ug/L 95
14) Carbon disulfide	4.38	76	5569	0.393	ug/L 96
16) Methylene chloride	4.92	84	45100	7.885	ug/L 88
21) 2-Butanone	7.18	43	5540	4.123	ug/L 93
22) cis-1,2-Dichloroethene	7.17	96	2826	0.570	ug/L 91
30) Cyclohexane	7.96	56	14875	2.349	ug/L 87
35) Trichloroethene	9.09	95	8862	2.196	ug/L 96
36) Methylcyclohexane	9.34	83	67379	9.730	ug/L # 86
42) cis-1,3-Dichloropropene	10.04	75	3040	0.528	ug/L # 80
52) Chlorobenzene	11.66	112	26290	2.564	ug/L 94
53) Ethylbenzene	11.73	91	9371	0.521	ug/L 96
54) m,p-Xylene	11.84	106	6444	0.957	ug/L 100
55) o-xylene	12.16	106	6116	0.965	ug/L 96
57) Isopropylbenzene	12.47	105	52174	3.024	ug/L # 83
58) 1,1,2,2-Tetrachloroethane	12.69	83	3553	1.113	ug/L # 82
63) 1,3-Dichlorobenzene	13.50	146	1895	0.458	ug/L # 1
64) 1,4-Dichlorobenzene	13.58	146	4023	0.959	ug/L # 17

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Quant Title : VOC Analysis
QLast Update : Sat Aug 01 02:48:19 2020
Response via : Initial Calibration

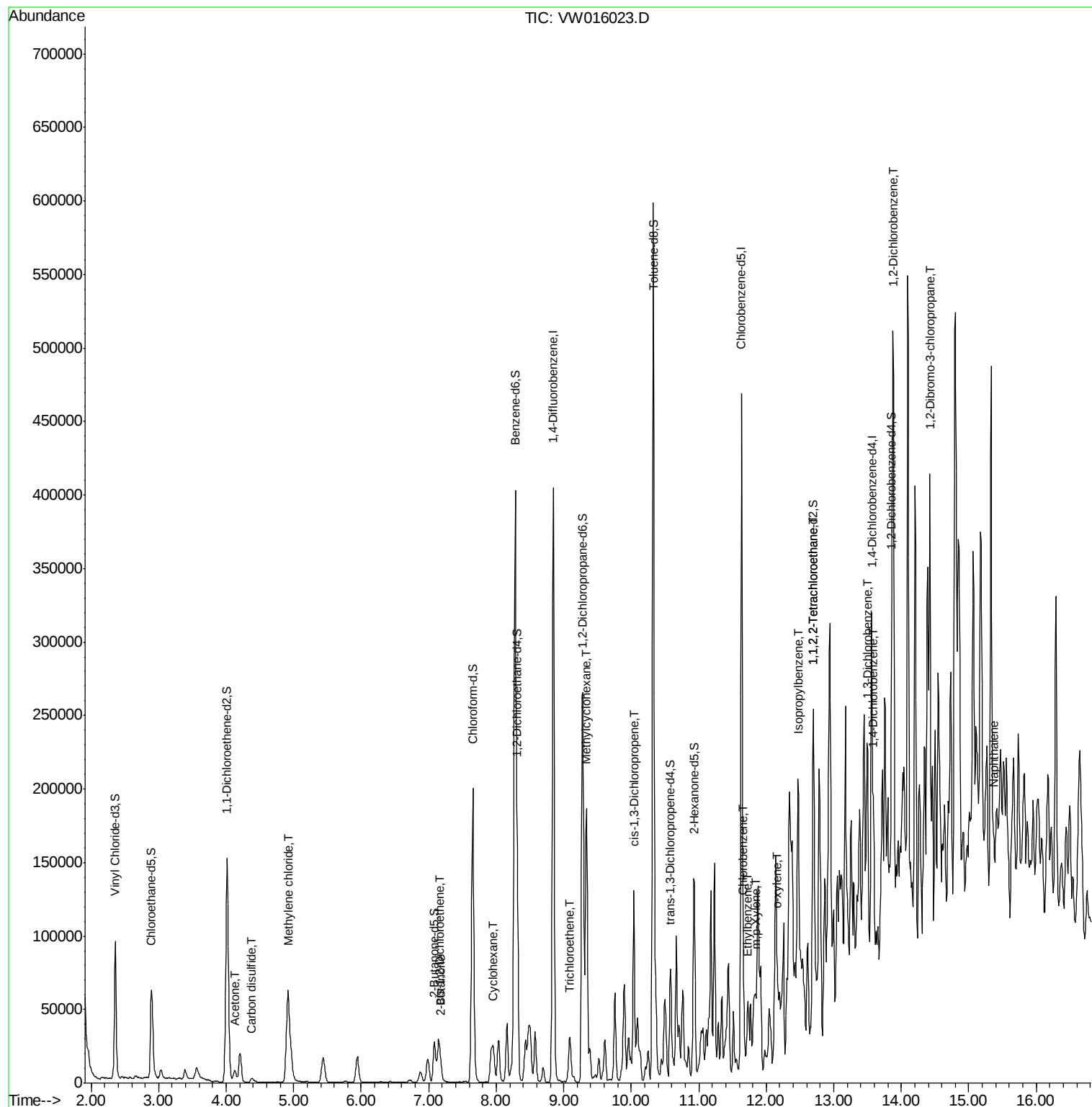
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	13.87	146	4845	1.290	ug/L #	33
66) 1,2-Dibromo-3-chloropropan	14.42	75	1364	4.825	ug/L #	10
69) Naphthalene	15.37	128	41467	9.531	ug/L	97

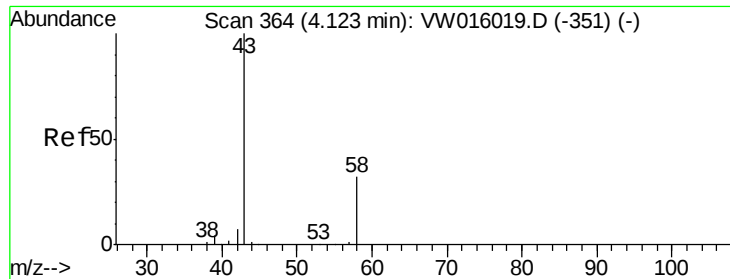
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 12.430 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW016023.D

Acq: 31 Jul 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

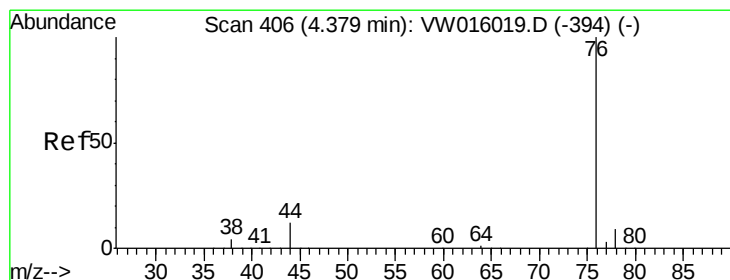
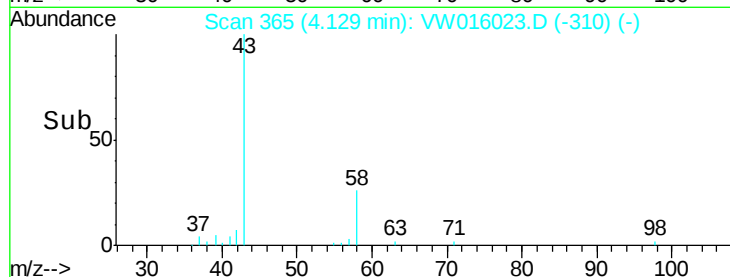
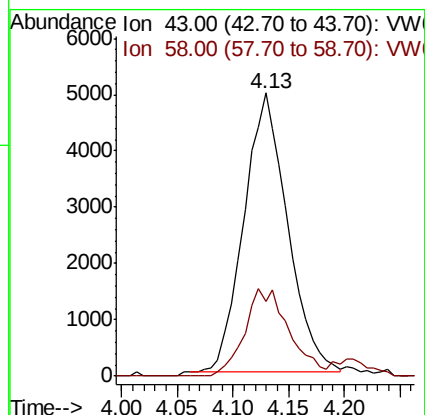
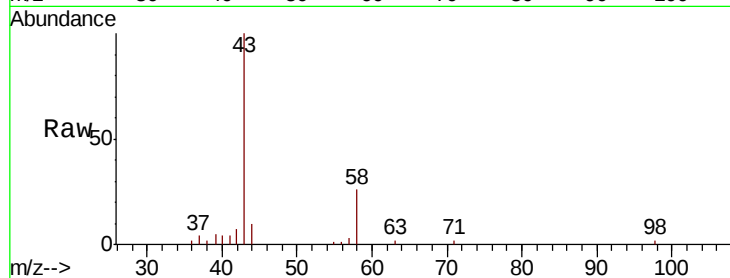
CB7H4

Tot Ion: 43 Resp: 13505

Ion Ratio Lower Upper

43 100

58 31.9 0.0 58.2



#14

Carbon disulfide

Concen: 0.393 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW016023.D

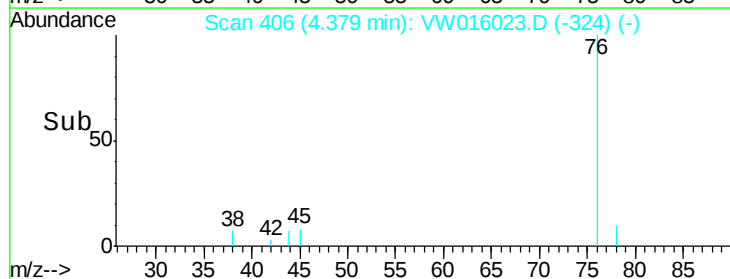
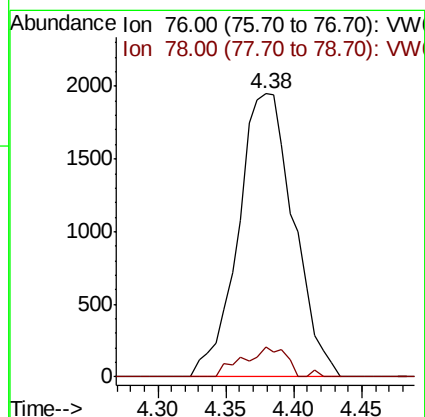
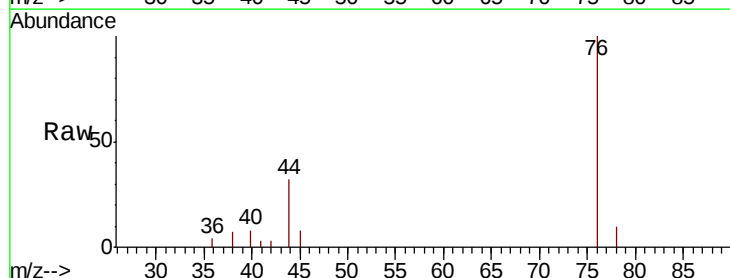
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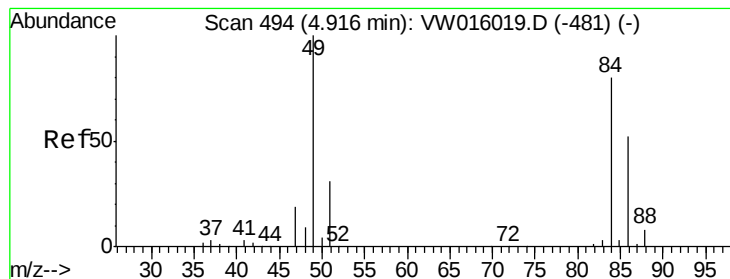
Tgt Ion: 76 Resp: 5569

Ion Ratio Lower Upper

76 100

78 10.5 7.2 10.8





#16

Methylene chloride

Concen: 7.885 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016023.D

Acq: 31 Jul 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

CB7H4

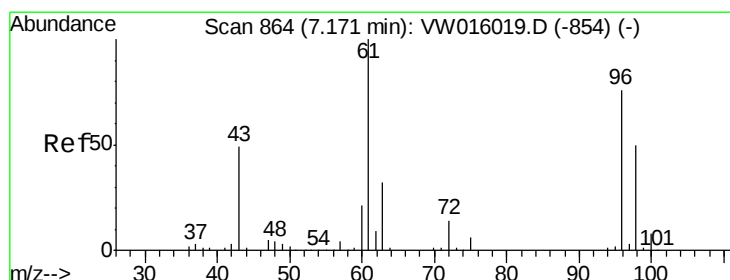
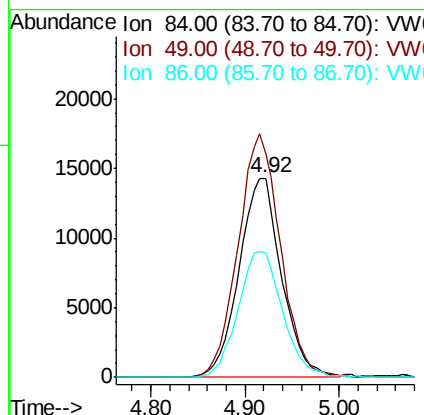
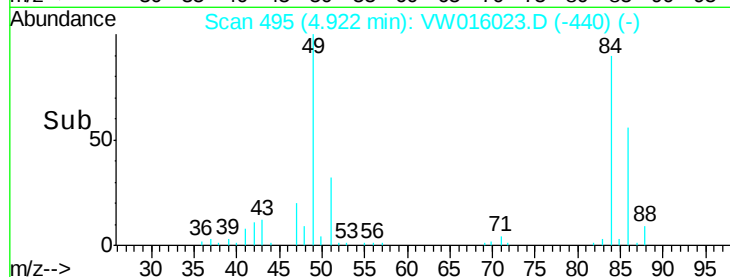
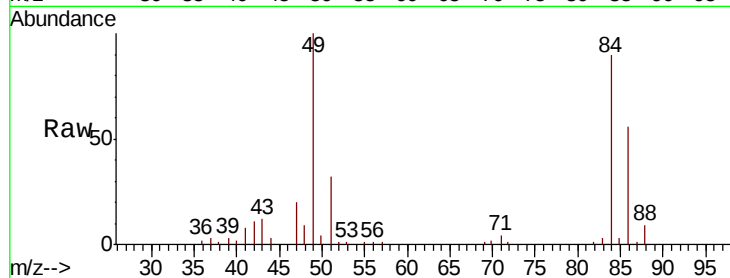
Tot Ion: 84 Resp: 45100

Ion Ratio Lower Upper

84 100

49 111.6 91.1 169.1

86 62.6 46.0 85.4



#21

2-Butanone

Concen: 4.123 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016023.D

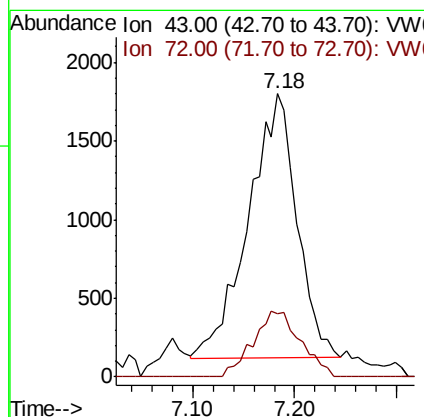
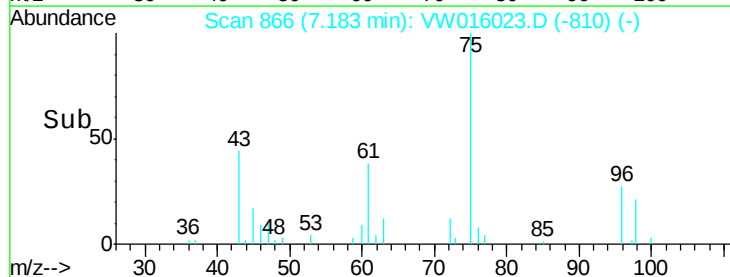
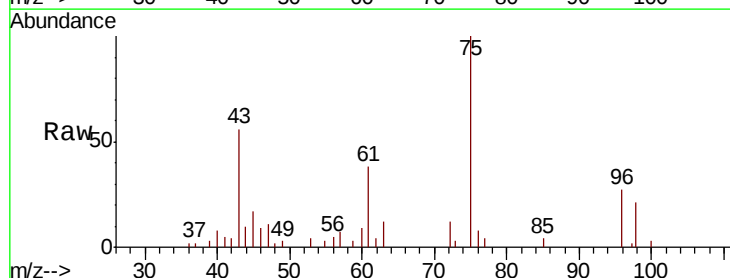
Acq: 31 Jul 2020 16:36

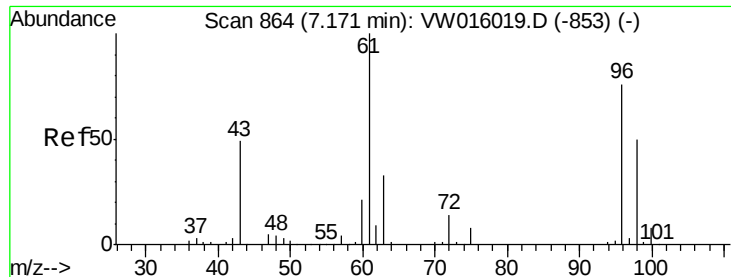
Tgt Ion: 43 Resp: 5540

Ion Ratio Lower Upper

43 100

72 24.4 13.9 41.7



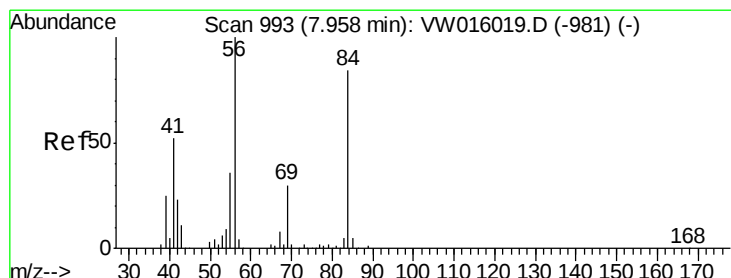
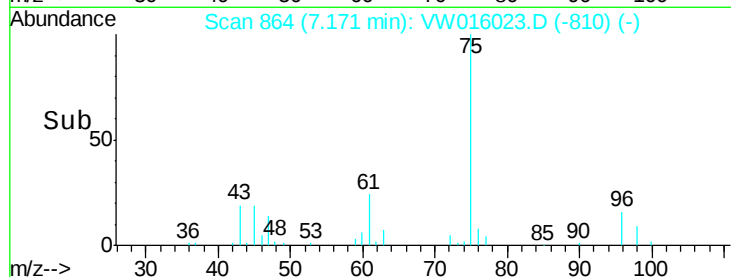
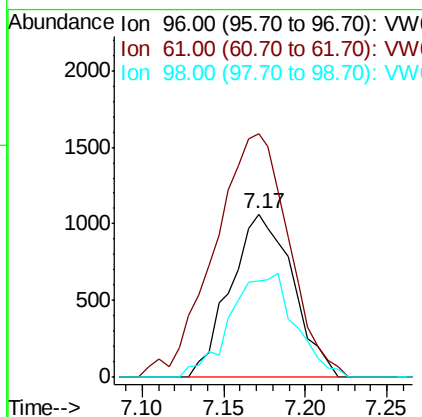
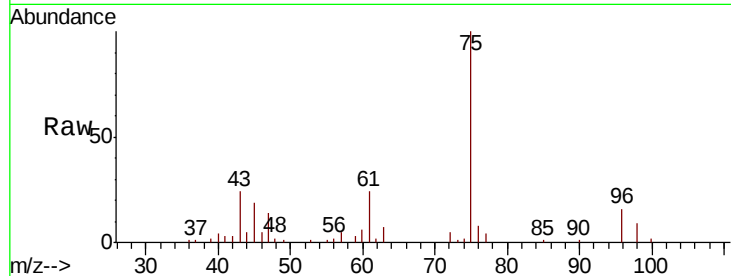


#22

cis-1,2-Dichloroethene
Concen: 0.570 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016023.D
Acq: 31 Jul 2020 16:36

Instrument :
MSVOA_W
ClientSampled :
CB7H4

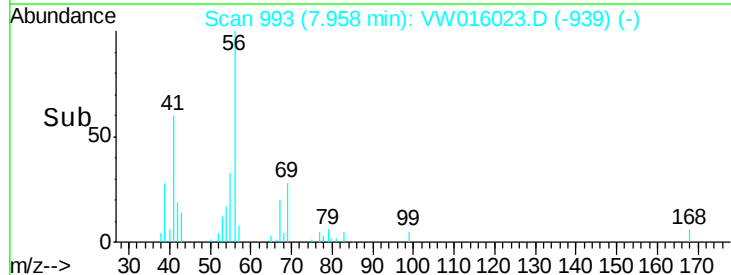
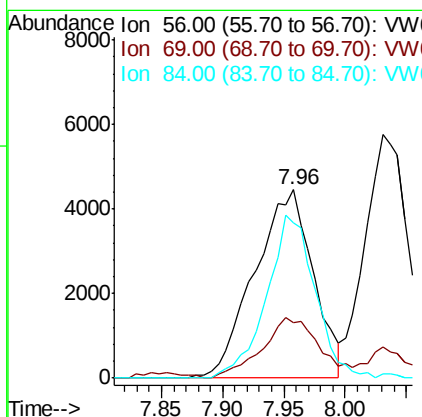
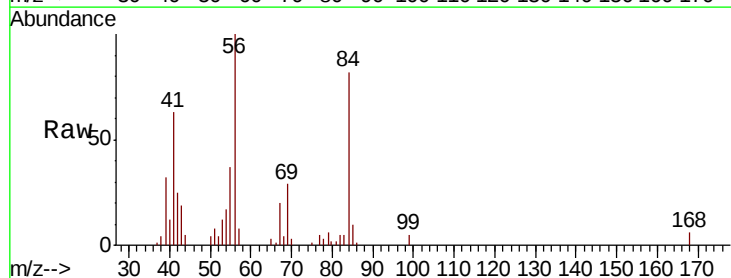
Tot Ion: 96 Resp: 2826
Ion Ratio Lower Upper
96 100
61 148.9 94.6 175.8
98 59.3 44.3 82.3

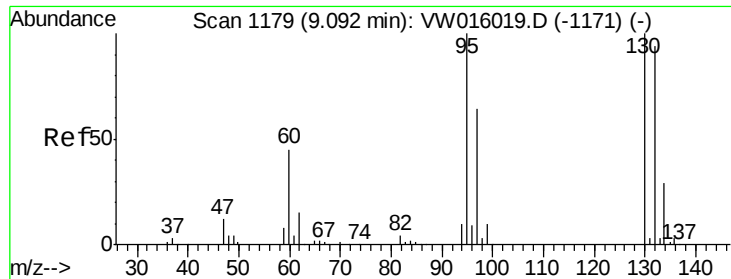


#30

Cyclohexane
Concen: 2.349 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016023.D
Acq: 31 Jul 2020 16:36

Tgt Ion: 56 Resp: 14875
Ion Ratio Lower Upper
56 100
69 31.4 24.4 36.6
84 71.3 69.3 103.9

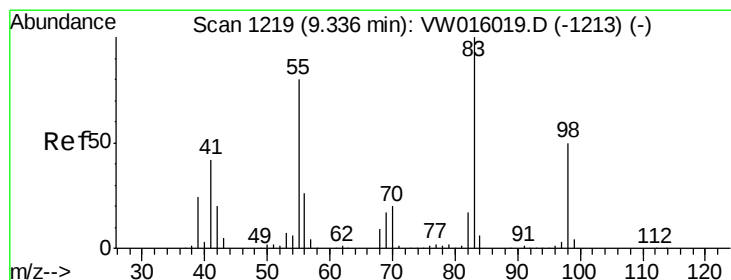
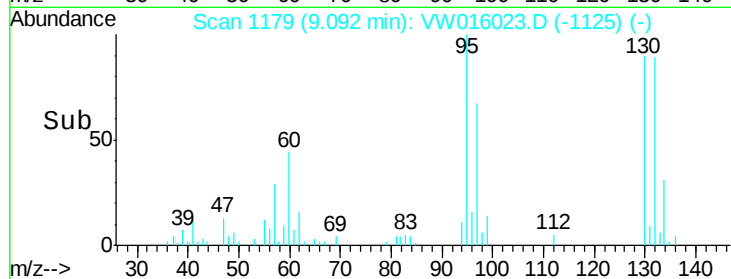
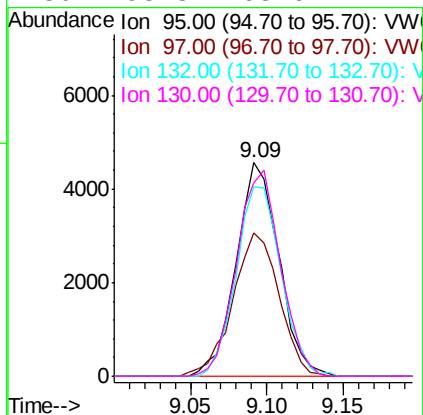
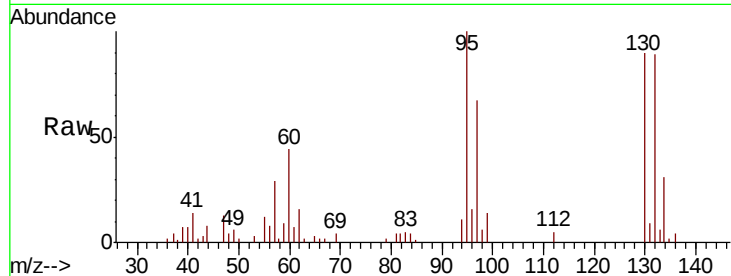




#35
 Trichloroethene
 Concen: 2.196 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016023.D
 Acq: 31 Jul 2020 16:36

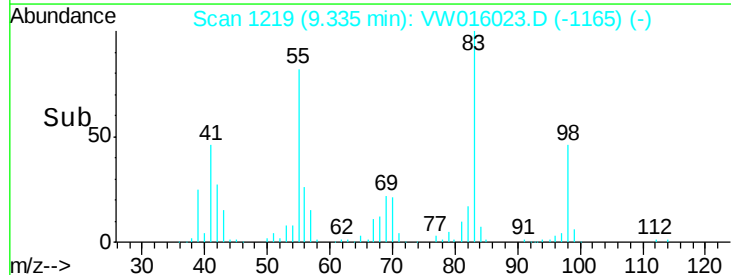
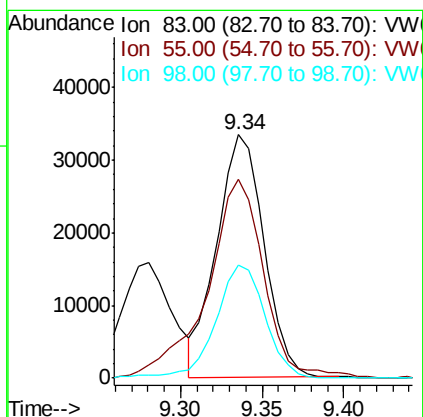
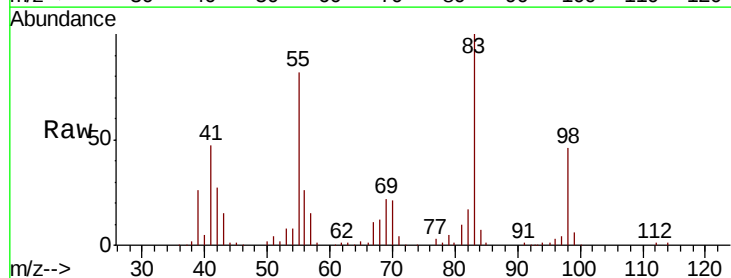
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 ClientSampleId :
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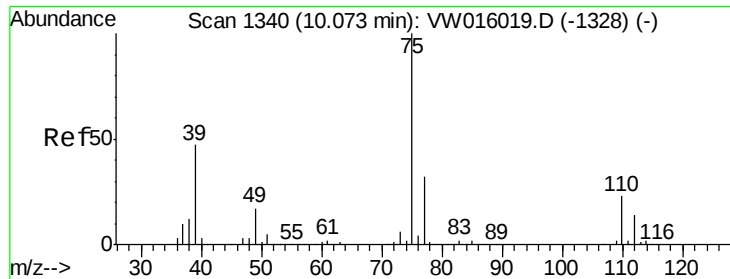
Tot Ion:	95	Resp:	8862
Ion	Ratio	Lower	Upper
95	100		
97	72.7	44.4	82.4
132	93.6	65.1	120.9
130	98.8	68.6	127.4



#36
 Methylcyclohexane
 Concen: 9.730 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016023.D
 Acq: 31 Jul 2020 16:36

Tgt Ion:	83	Resp:	67379
Ion	Ratio	Lower	Upper
83	100		
55	98.6	63.5	95.3#
98	48.1	39.0	58.4

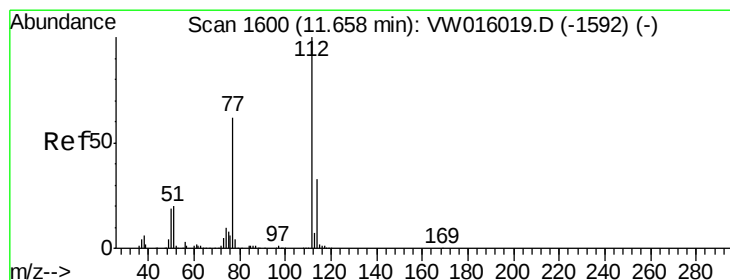
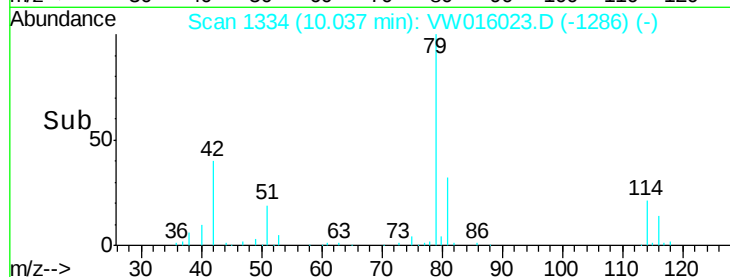
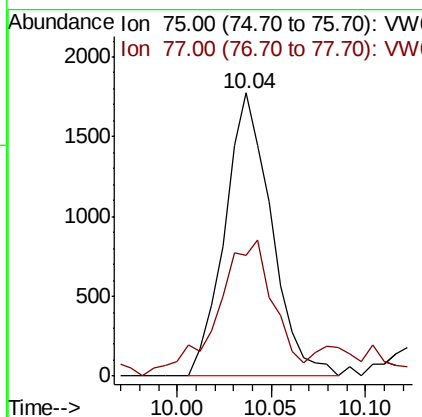
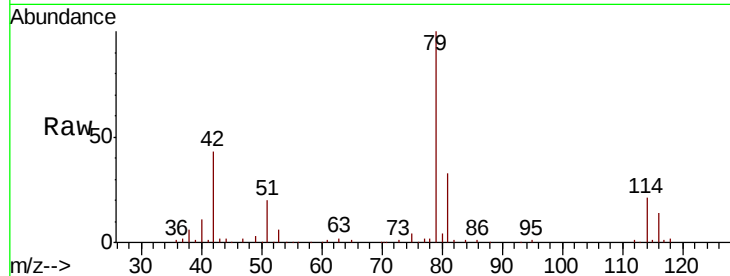




#42
 cis-1,3-Dichloropropene
 Concen: 0.528 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016023.D
 Acq: 31 Jul 2020 16:36

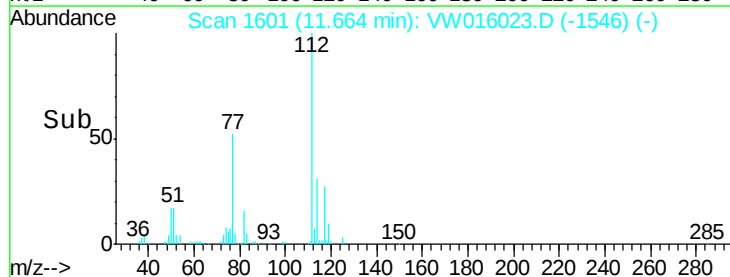
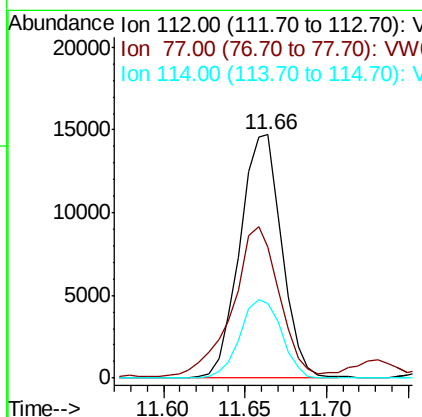
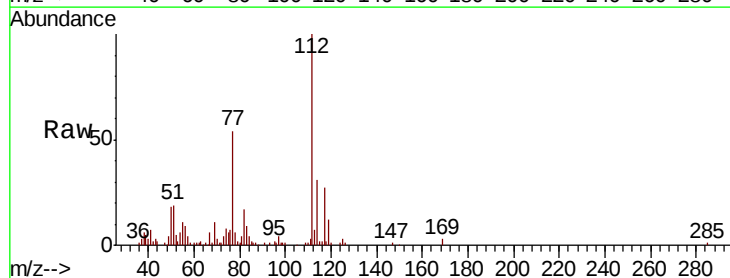
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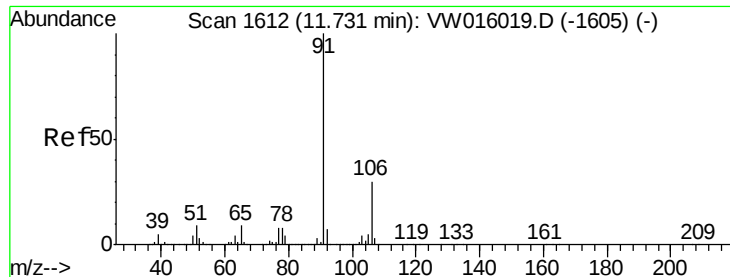
Tot Ion: 75 Resp: 3040
 Ion Ratio Lower Upper
 75 100
 77 42.8 22.2 41.2#



#52
 Chlorobenzene
 Concen: 2.564 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: VW016023.D
 Acq: 31 Jul 2020 16:36

Tgt Ion: 112 Resp: 26290
 Ion Ratio Lower Upper
 112 100
 77 53.5 47.8 71.6
 114 30.7 22.1 41.1

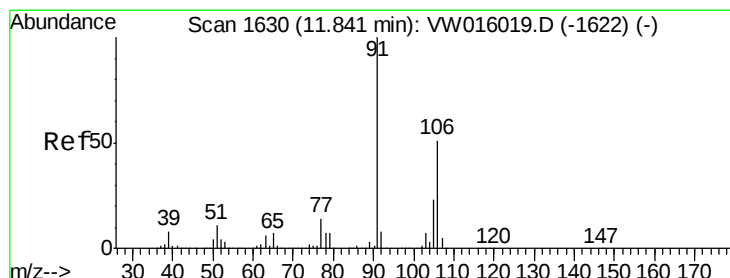
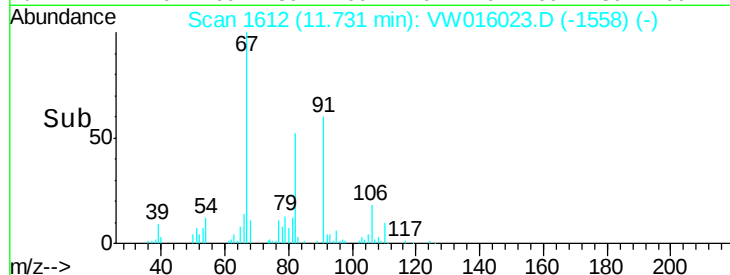
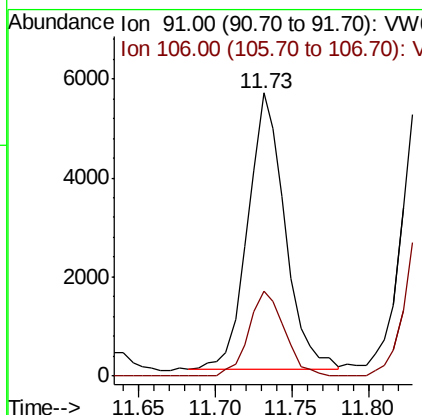
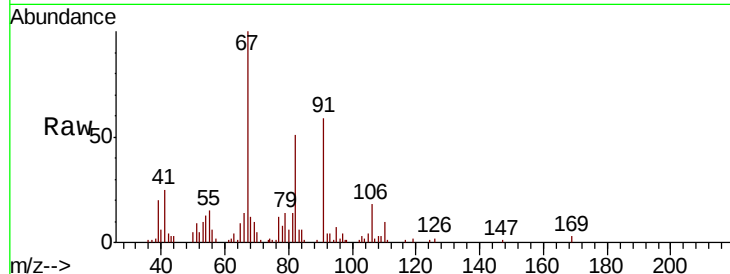




#53
Ethylbenzene
Concen: 0.521 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016023.D
Acq: 31 Jul 2020 16:36

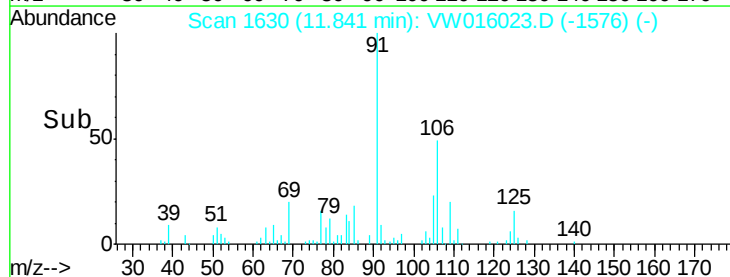
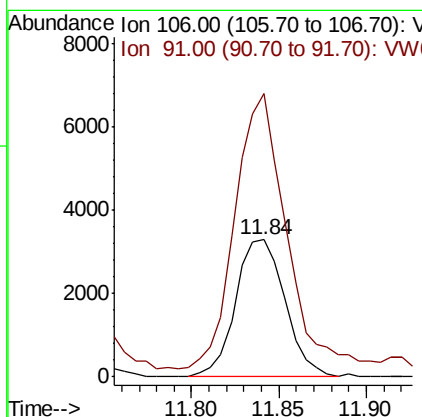
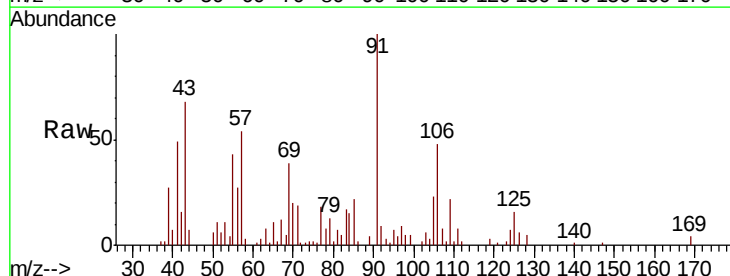
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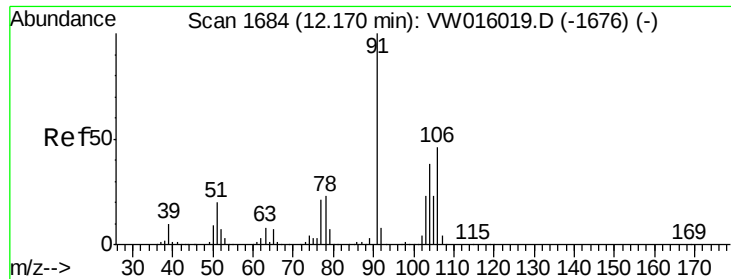
Tot Ion: 91 Resp: 9371
Ion Ratio Lower Upper
91 100
106 30.0 22.4 41.6



#54
m,p-Xylene
Concen: 0.957 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016023.D
Acq: 31 Jul 2020 16:36

Tgt Ion: 106 Resp: 6444
Ion Ratio Lower Upper
106 100
91 206.2 144.1 267.5

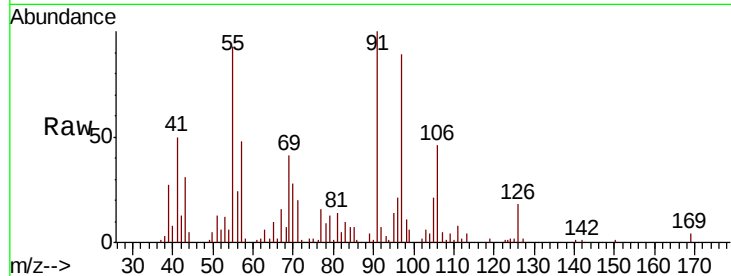




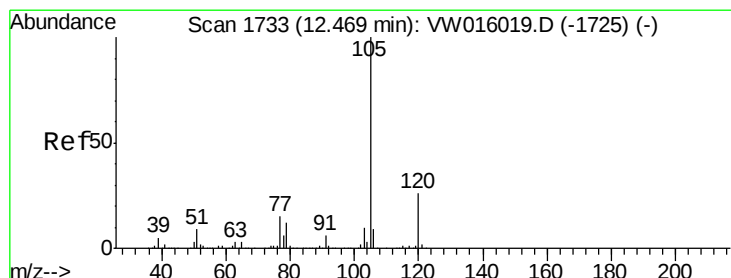
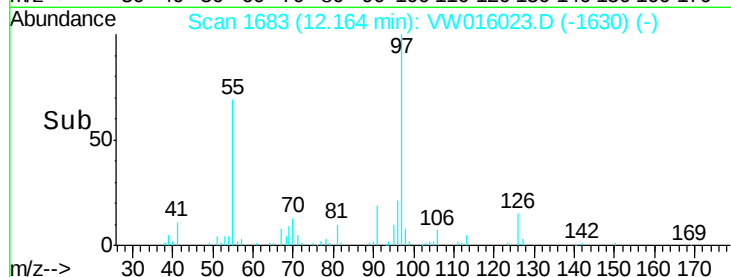
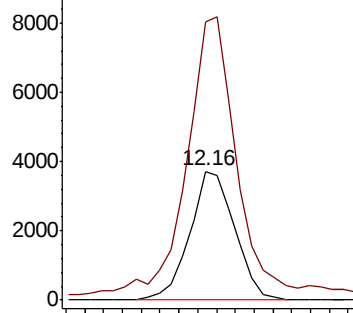
#55
o-xylene
Concen: 0.965 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016023.D
Acq: 31 Jul 2020 16:36

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

Tot Ion:106 Resp: 6116
Ion Ratio Lower Upper
106 100
91 215.5 146.8 272.6

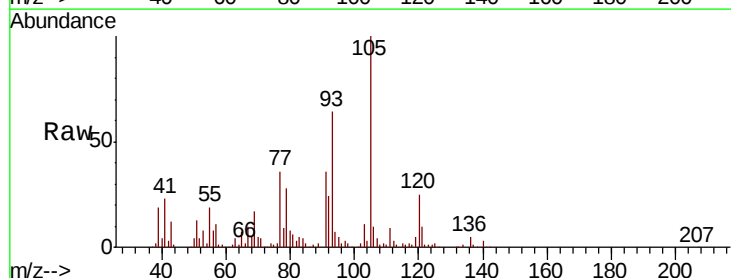


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

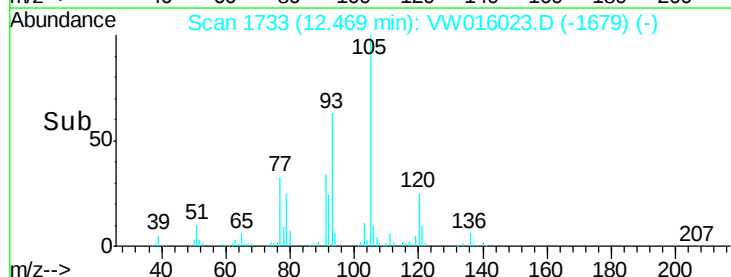
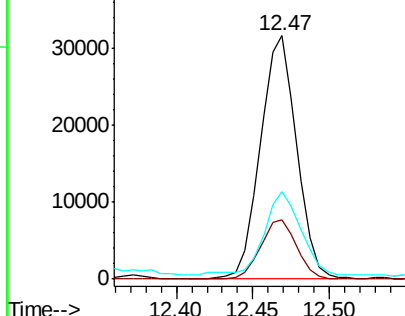


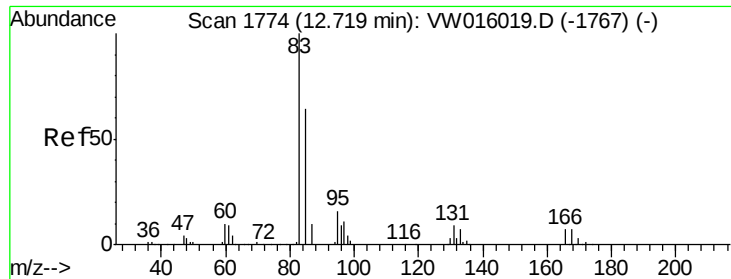
#57
Isopropylbenzene
Concen: 3.024 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW016023.D
Acq: 31 Jul 2020 16:36

Tgt Ion:105 Resp: 52174
Ion Ratio Lower Upper
105 100
120 24.4 20.4 30.6
77 33.5 12.9 19.3#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

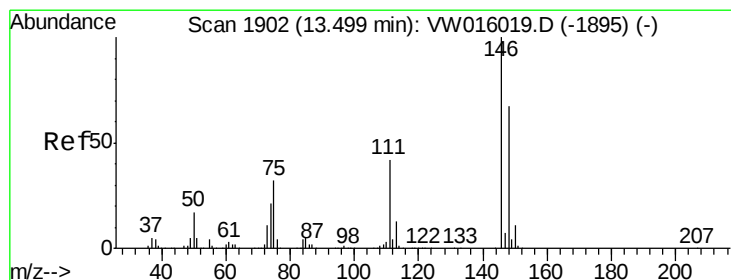
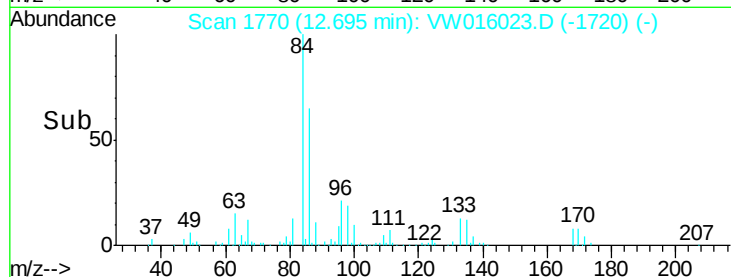
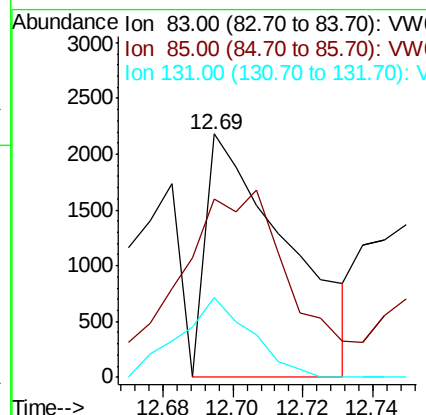
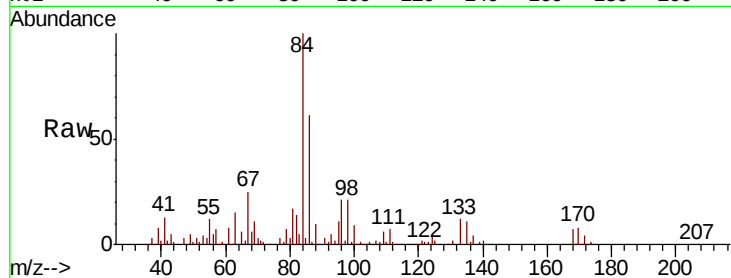




#58
 1,1,2,2-Tetrachloroethane
 Concen: 1.113 ug/L
 RT: 12.69 min Scan# 1770
 Delta R.T. -0.02 min
 Lab File: VW016023.D
 Acq: 31 Jul 2020 16:36

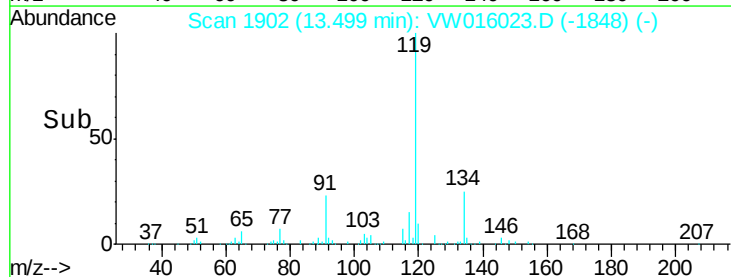
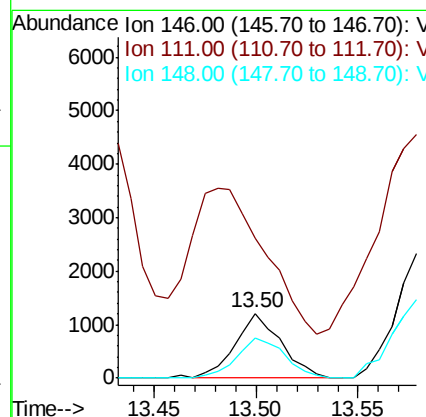
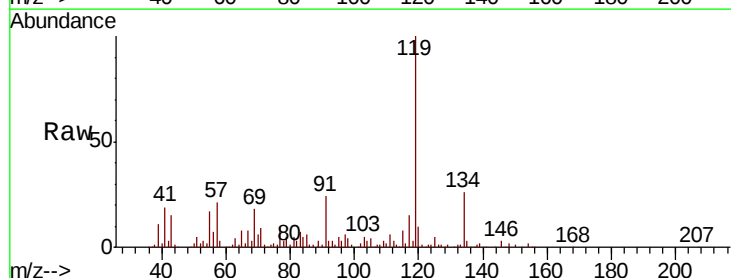
Instrument :
 MSVOA_W
 ClientSampleId :
 CB7H4

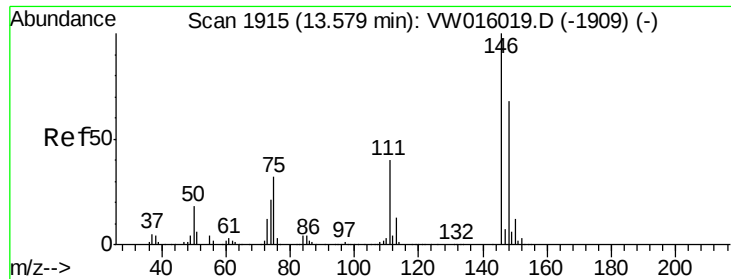
Tot Ion: 83 Resp: 3553
 Ion Ratio Lower Upper
 83 100
 85 73.2 45.1 83.7
 131 32.6 8.2 12.4#



#63
 1,3-Dichlorobenzene
 Concen: 0.458 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016023.D
 Acq: 31 Jul 2020 16:36

Tgt Ion: 146 Resp: 1895
 Ion Ratio Lower Upper
 146 100
 111 215.7 27.9 51.7#
 148 62.0 43.2 80.2





#64

1,4-Dichlorobenzene

Concen: 0.959 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VW016023.D

Acq: 31 Jul 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

CB7H4

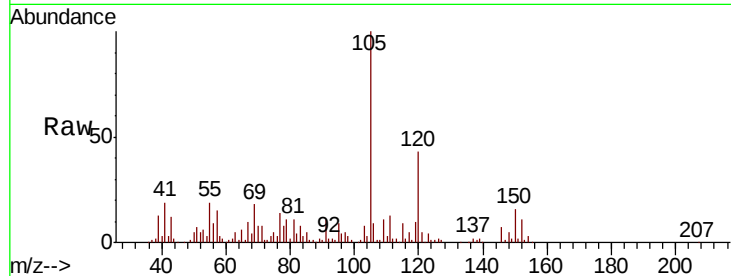
Tot Ion:146 Resp: 4023

Ion Ratio Lower Upper

146 100

111 172.8 29.3 54.3#

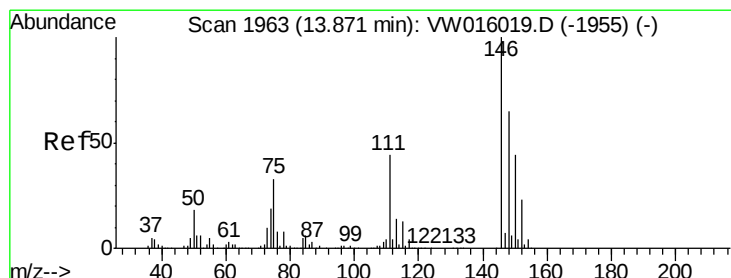
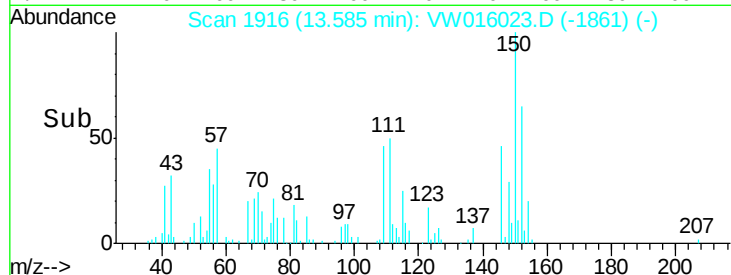
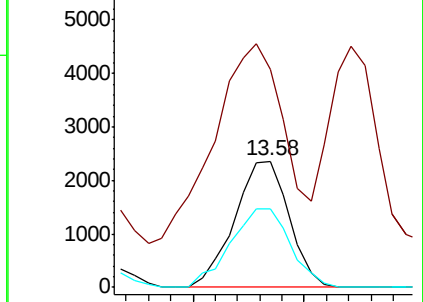
148 62.4 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.290 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016023.D

Acq: 31 Jul 2020 16:36

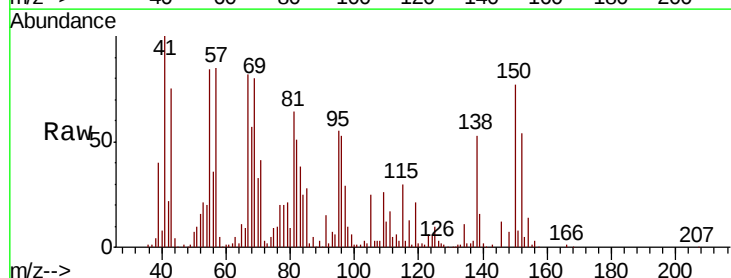
Tgt Ion:146 Resp: 4845

Ion Ratio Lower Upper

146 100

111 140.8 32.9 49.3#

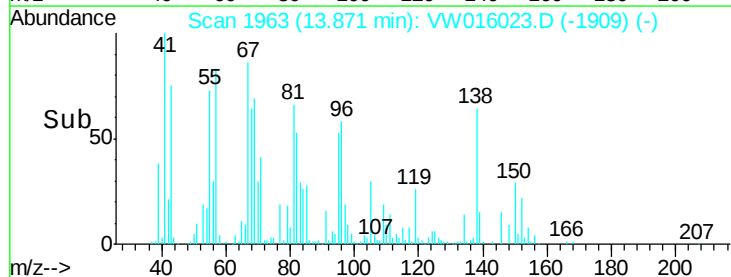
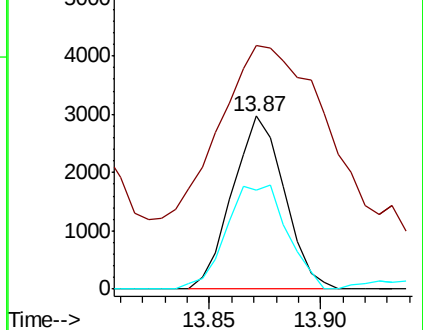
148 57.5 48.8 73.2

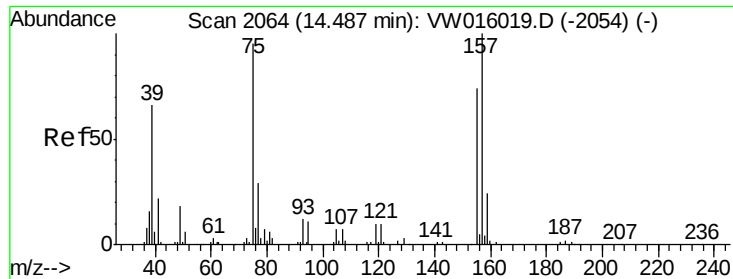


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

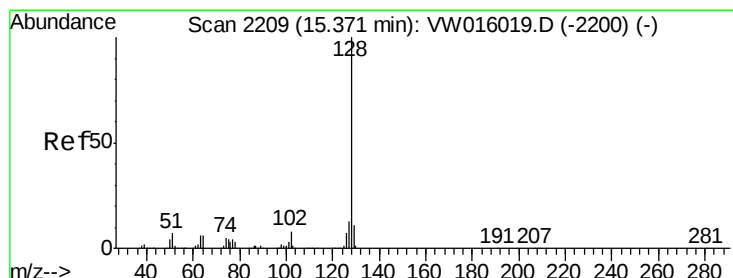
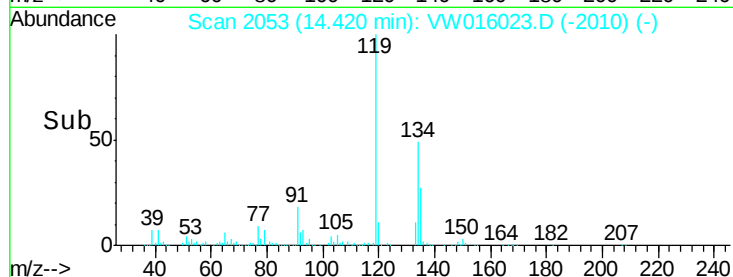
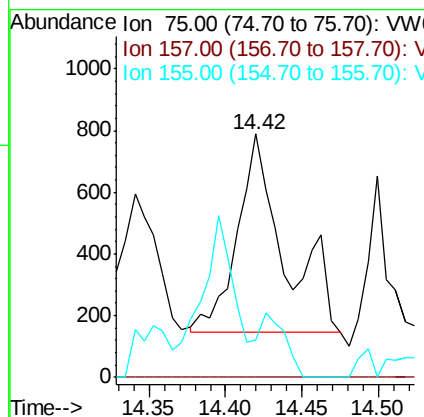
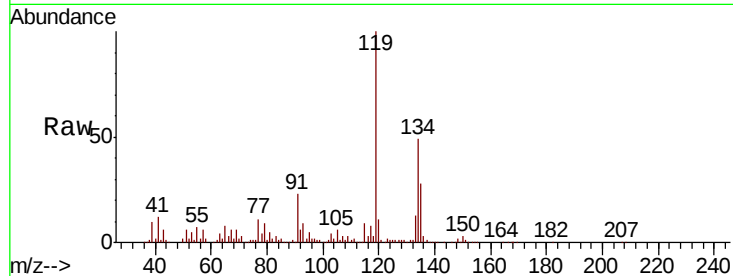




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.825 ug/L
 RT: 14.42 min Scan# 2053
 Delta R.T. -0.07 min
 Lab File: VW016023.D
 Acq: 31 Jul 2020 16:36

Instrument :
 MSVOA_W
 ClientSampled :
 CB7H4

Tot Ion	75	Resp	1364
Ion Ratio	Lower	Upper	
75	100		
157	0.0	83.0	124.4#
155	15.3	66.9	100.3#



#69
 Naphthalene
 Concen: 9.531 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW016023.D
 Acq: 31 Jul 2020 16:36

Tgt Ion	128	Resp	41467
Ion Ratio	Lower	Upper	
128	100		
129	9.8	8.6	12.8
127	12.1	10.5	15.7

