

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\
 Data File : VW017269.D
 Acq On : 16 Nov 2020 20:01
 Operator : SY/VA
 Sample : L4727-09RE
 Misc : 4.93G/10ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC3RE

Quant Time: Nov 17 06:13:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 17 06:08:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	378794	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	226881	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	44831	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	87658	18.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.48%
7) Chloroethane-d5	2.89	69	80124	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.16%
10) 1,1-Dichloroethene-d2	4.02	63	137620	16.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.52%
20) 2-Butanone-d5	7.09	46	38172	35.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.56%
24) Chloroform-d	7.65	84	202257	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	99225	22.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.28%
29) Benzene-d6	8.27	84	390922	33.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	135.36%#
33) 1,2-Dichloropropane-d6	9.28	67	104795	32.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	131.16%#
37) Toluene-d8	10.32	98	313075	28.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.96%
38) trans-1,3-Dichloropropene-	10.58	79	35673	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.04%
39) 2-Hexanone-d5	10.93	63	30698	55.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	52308	18.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	38288	24.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.96%

Target Compounds

					Ovalue
13) Acetone	4.13	43	4231	5.922	ug/L 90
14) Carbon disulfide	4.39	76	3665	0.286	ug/L 98
16) Methylene chloride	4.92	84	10108	1.979	ug/L 99
40) 1,2-Dichloropropane	9.27	63	13065	4.691	ug/L # 84
42) cis-1,3-Dichloropropene	10.04	75	3385	0.767	ug/L # 70
44) Toluene	10.39	91	4914	0.375	ug/L 86
45) trans-1,3-Dichloropropene	10.58	75	1952	0.515	ug/L 97
46) 1,1,2-Trichloroethane	10.77	97	2262	0.942	ug/L # 28
49) 2-Hexanone	10.93	43	4111	3.969	ug/L # 56
53) Ethylbenzene	11.73	91	8155	0.557	ug/L 94
54) m,p-Xylene	11.83	106	6852	1.196	ug/L 99
55) o-xylene	12.16	106	7284	1.339	ug/L 80
57) Isopropylbenzene	12.46	105	24070	1.631	ug/L # 97
66) 1,2-Dibromo-3-chloropropan	14.46	75	20479	123.162	ug/L # 1
68) 1,2,4-trichlorobenzene	15.14	180	2640	1.610	ug/L # 1
69) Naphthalene	15.36	128	813826	269.660	ug/L 97
70) 1,2,3-Trichlorobenzene	15.58	180	3722	2.484	ug/L # 1

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Quant Title : VOC Analysis
QLast Update : Tue Nov 17 06:08:23 2020
Response via : Initial Calibration

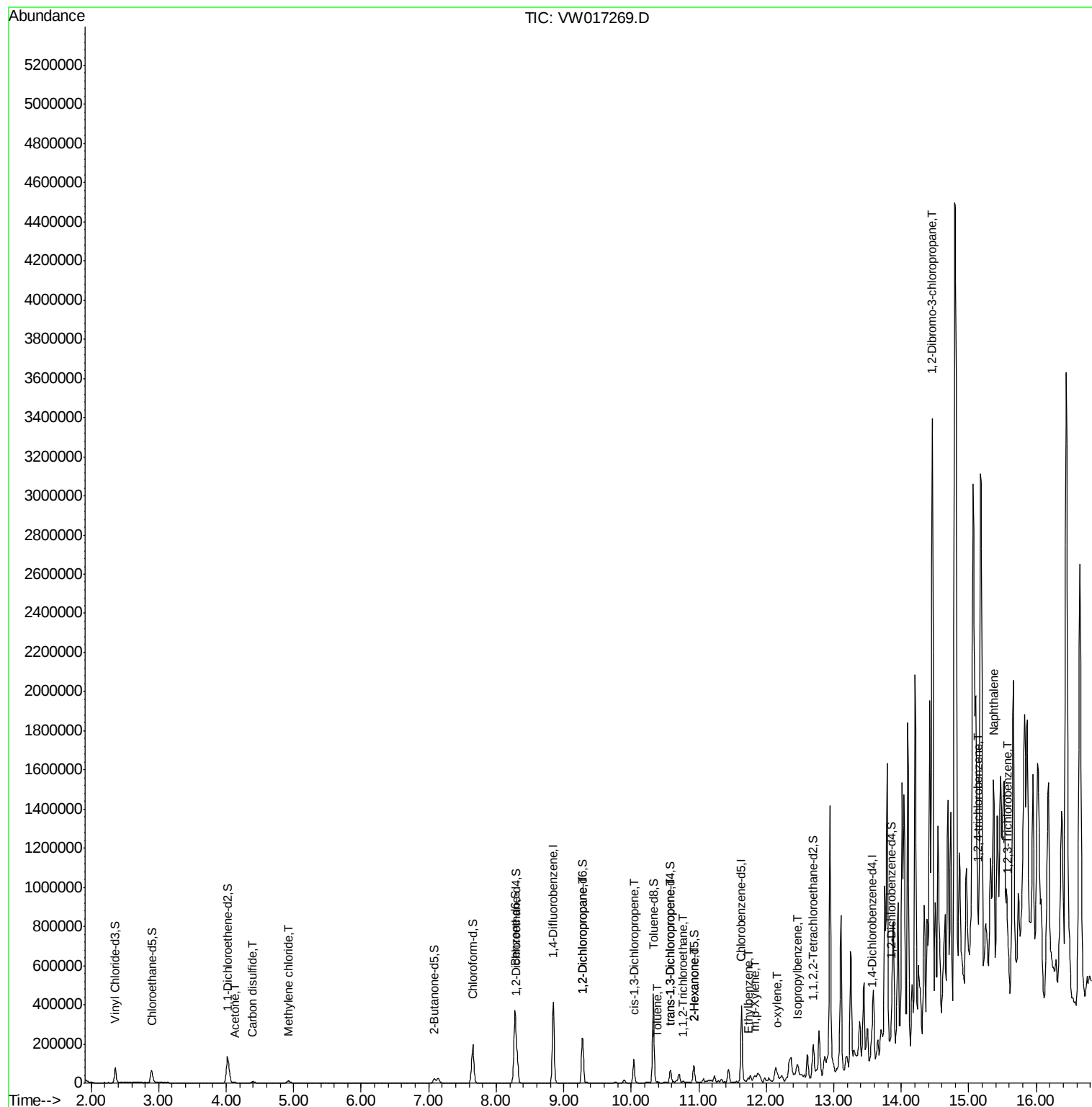
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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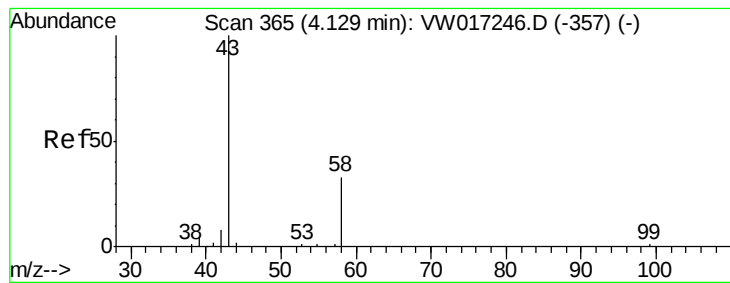
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 5.922 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017269.D

Acq: 16 Nov 2020 20:01

Instrument :

MSVOA_W

ClientSampleId :

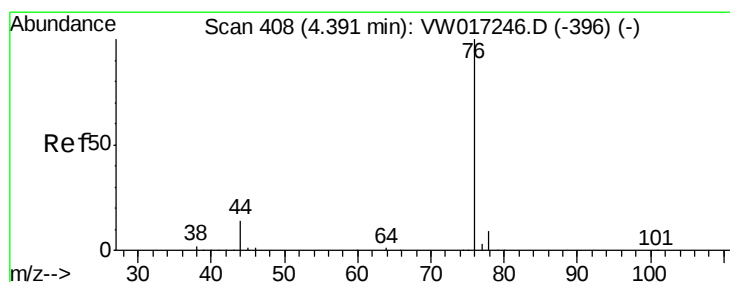
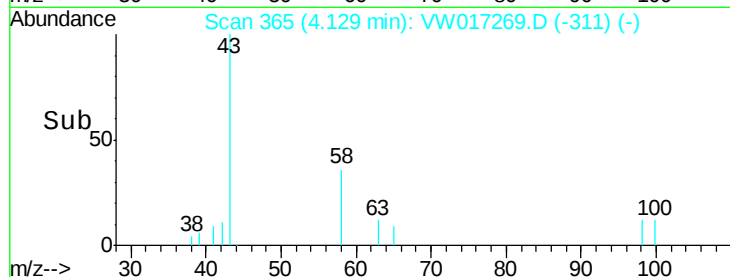
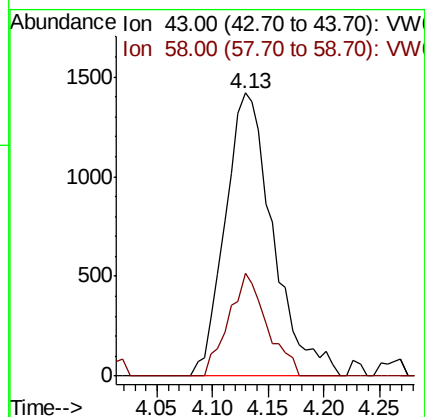
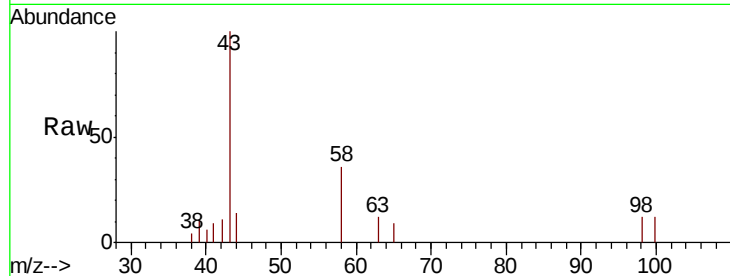
C0AC3RE

Tot Ion: 43 Resp: 4231

Ion Ratio Lower Upper

43 100

58 29.0 0.0 69.2



#14

Carbon disulfide

Concen: 0.286 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017269.D

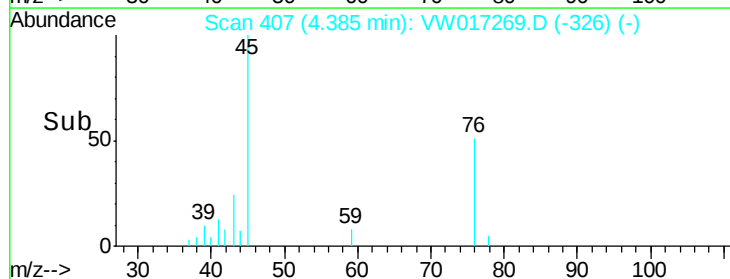
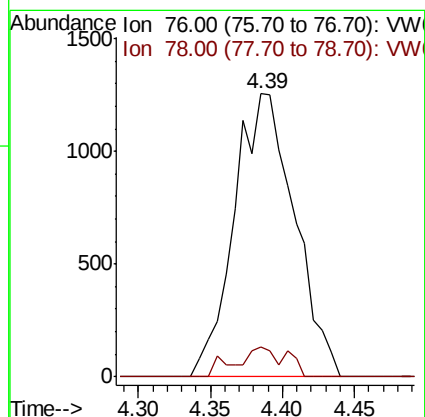
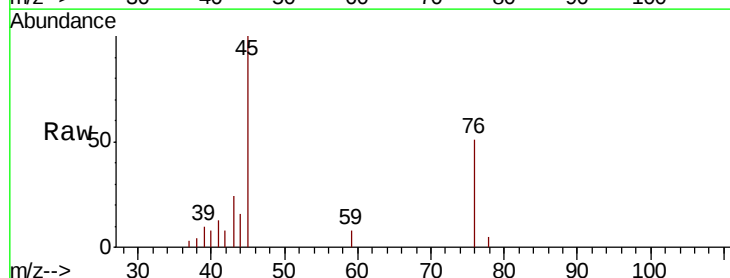
Acq: 16 Nov 2020 20:01

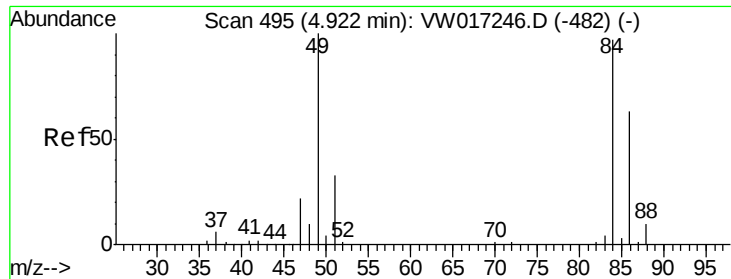
Tgt Ion: 76 Resp: 3665

Ion Ratio Lower Upper

76 100

78 10.4 7.6 11.4

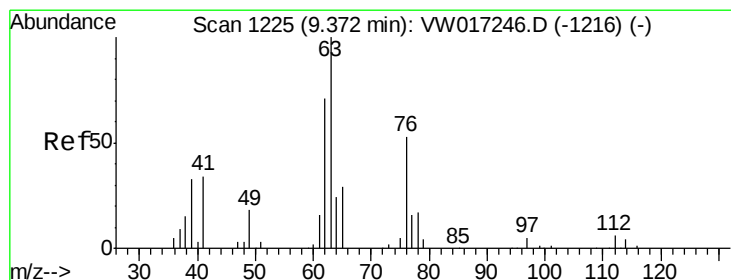
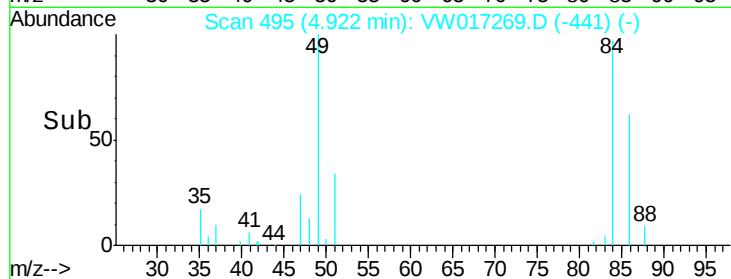
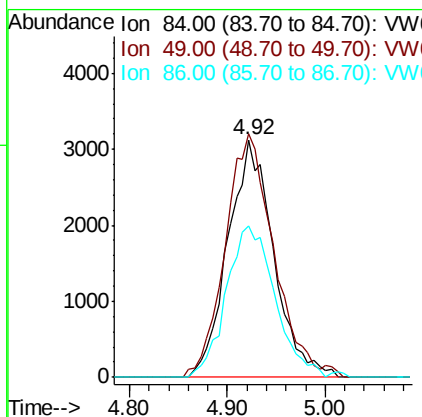
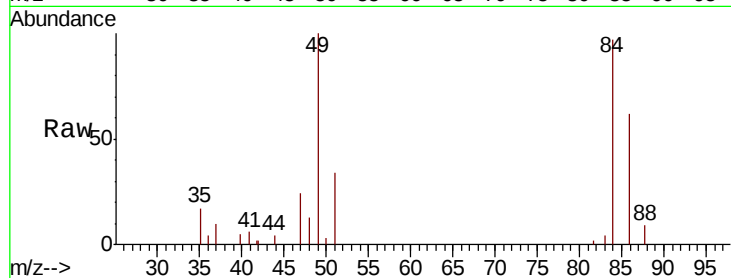




#16
Methvlene chloride
Concen: 1.979 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017269.D
Acq: 16 Nov 2020 20:01

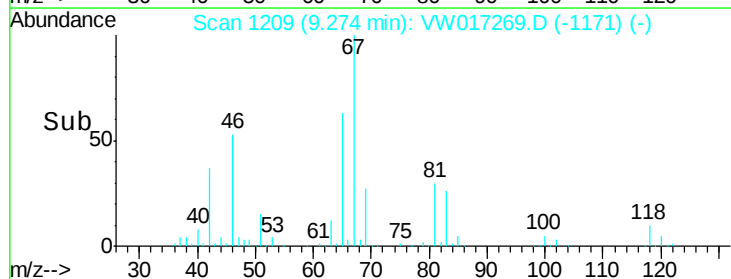
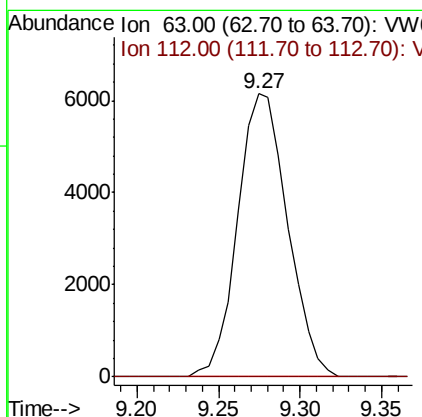
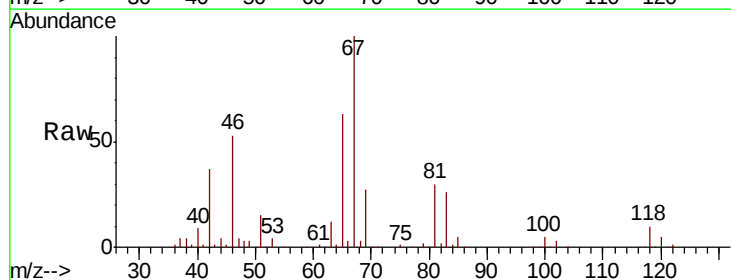
Instrument :
MSVOA_W
ClientSampleId :
C0AC3RE

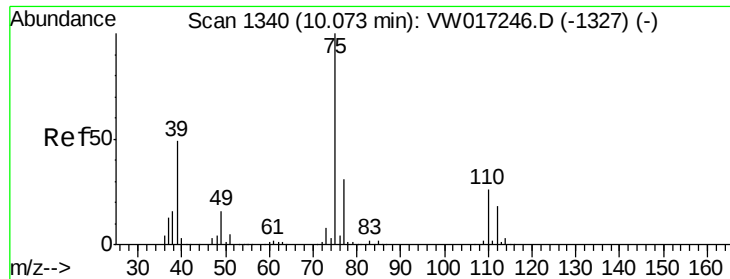
Tot Ion: 84 Resp: 10108
Ion Ratio Lower Upper
84 100
49 102.6 72.3 134.3
86 63.8 45.1 83.7



#40
1,2-Dichloropropane
Concen: 4.691 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW017269.D
Acq: 16 Nov 2020 20:01

Tgt Ion: 63 Resp: 13065
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#

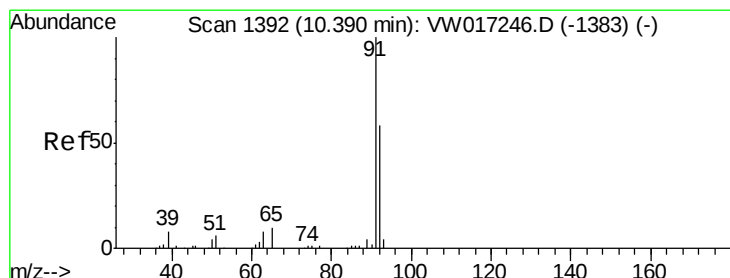
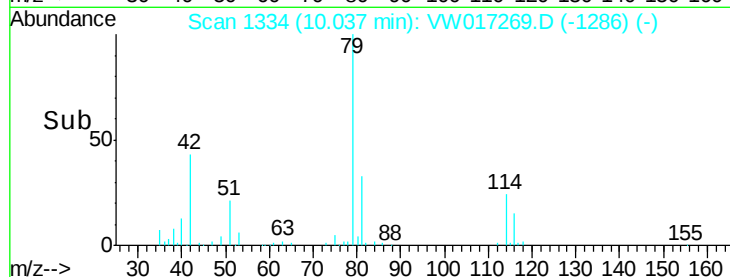
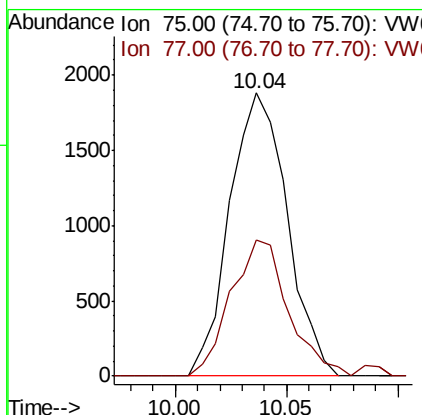
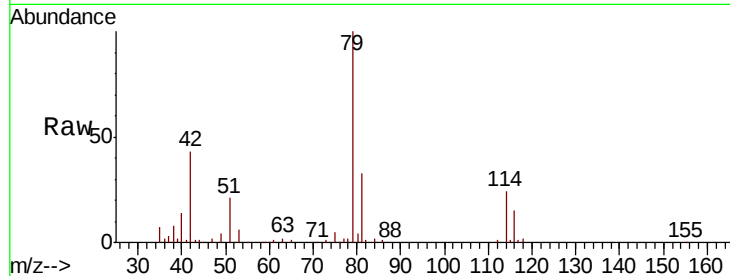




#42
 cis-1,3-Dichloropropene
 Concen: 0.767 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017269.D
 Acq: 16 Nov 2020 20:01

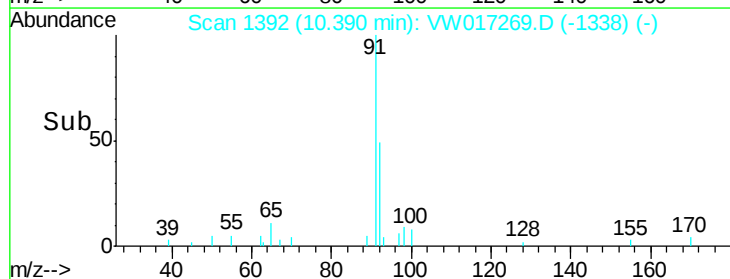
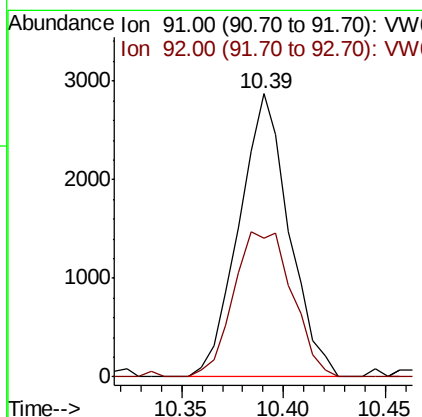
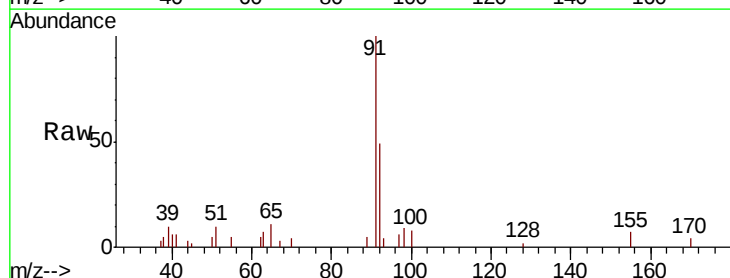
Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC3RE

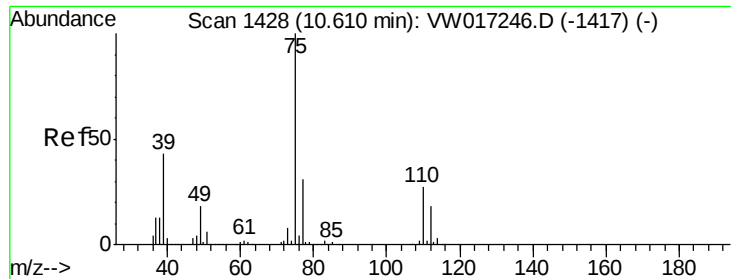
Tot Ion: 75 Resp: 3385
 Ion Ratio Lower Upper
 75 100
 77 48.1 22.0 41.0#



#44
 Toluene
 Concen: 0.375 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW017269.D
 Acq: 16 Nov 2020 20:01

Tgt Ion: 91 Resp: 4914
 Ion Ratio Lower Upper
 91 100
 92 48.9 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.515 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017269.D

Acq: 16 Nov 2020 20:01

Instrument :

MSVOA_W

ClientSampleId :

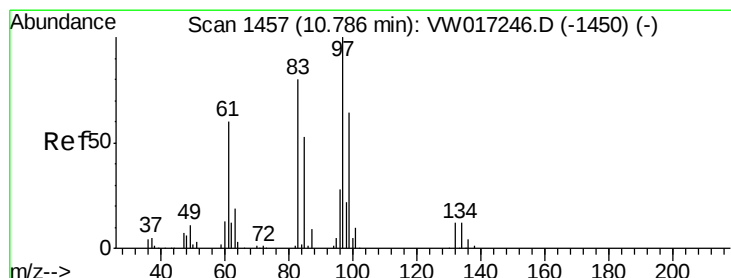
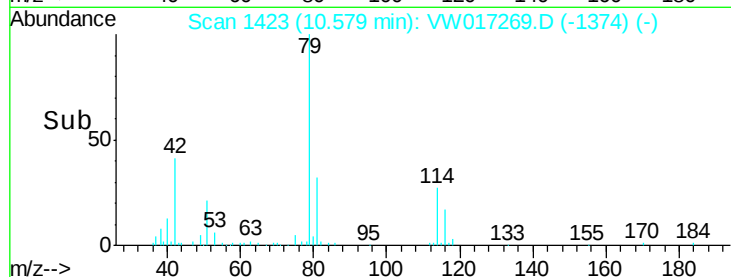
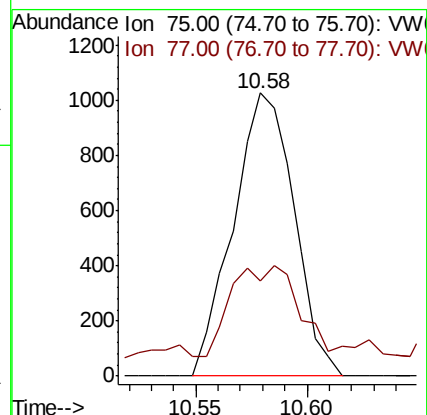
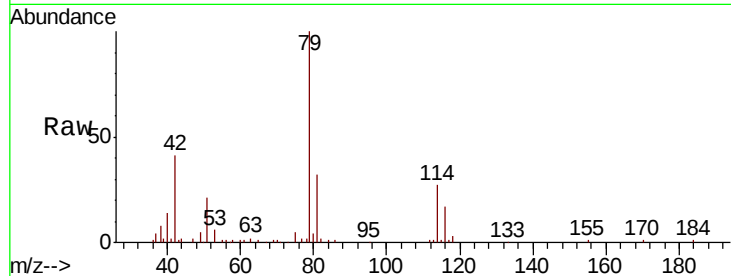
C0AC3RE

Tot Ion: 75 Resp: 1952

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1



#46

1,1,2-Trichloroethane

Concen: 0.942 ug/L

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW017269.D

Acq: 16 Nov 2020 20:01

Tgt Ion: 97 Resp: 2262

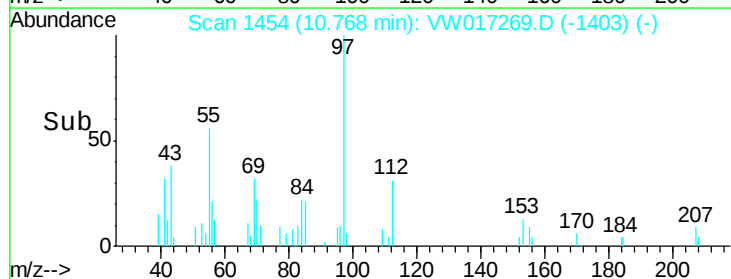
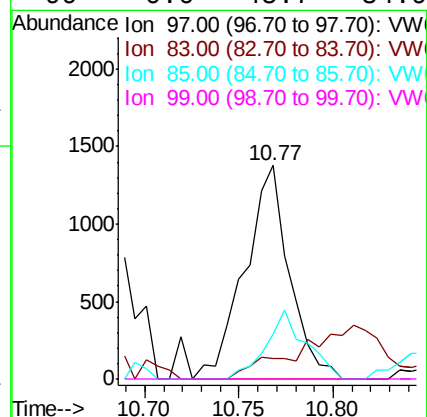
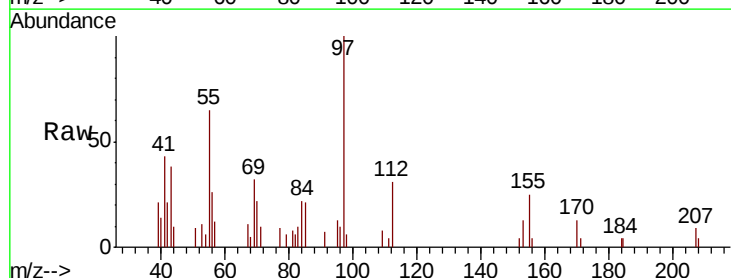
Ion Ratio Lower Upper

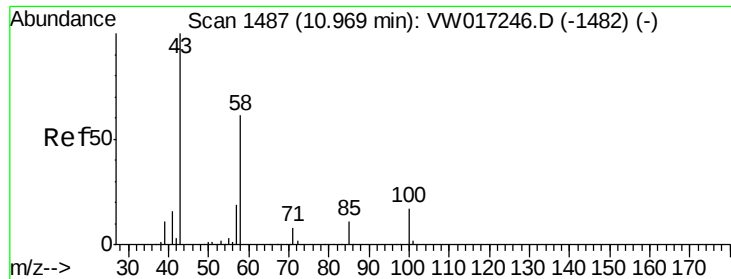
97 100

83 9.6 57.3 106.5#

85 21.2 37.2 69.0#

99 0.0 45.7 84.9#





#49

2-Hexanone

Concen: 3.969 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017269.D

Acq: 16 Nov 2020 20:01

Instrument :

MSVOA_W

ClientSampleId :

C0AC3RE

Tot Ion: 43 Resp: 4111

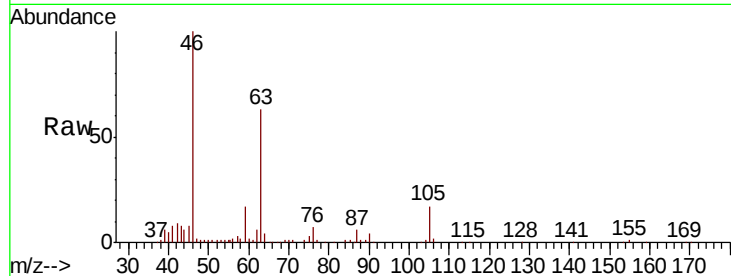
Ion Ratio Lower Upper

43 100

58 27.0 50.6 75.8#

57 40.8 17.8 26.6#

100 0.0 13.9 20.9#

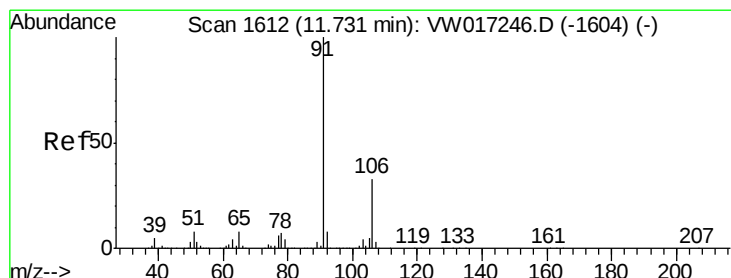
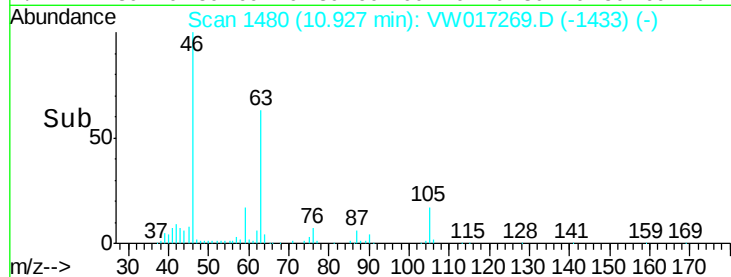
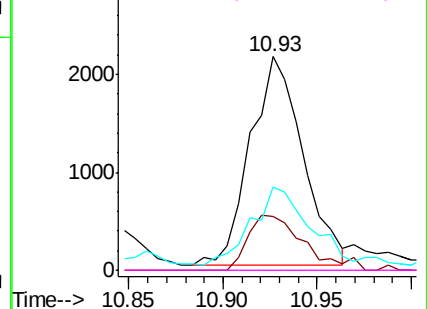


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#53

Ethylbenzene

Concen: 0.557 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017269.D

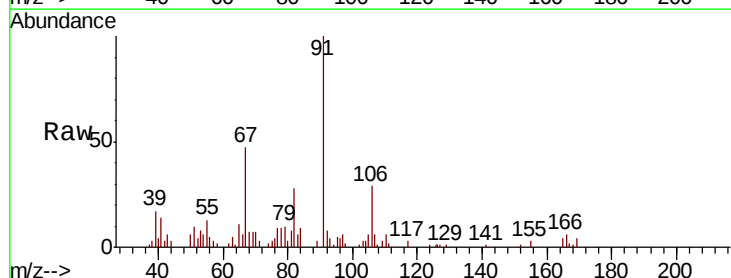
Acq: 16 Nov 2020 20:01

Tgt Ion: 91 Resp: 8155

Ion Ratio Lower Upper

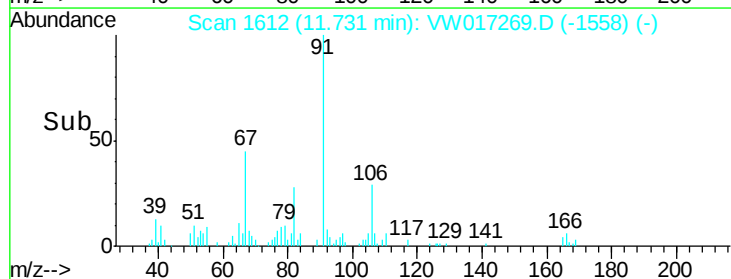
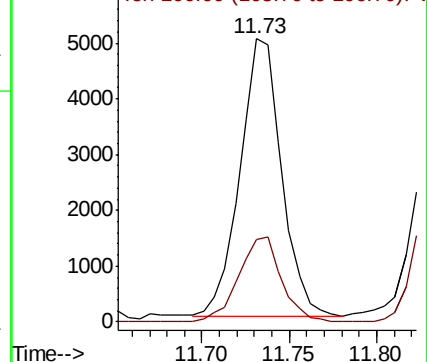
91 100

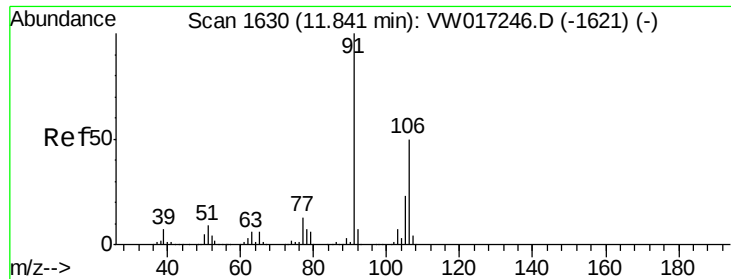
106 29.3 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 1.196 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW017269.D

Acq: 16 Nov 2020 20:01

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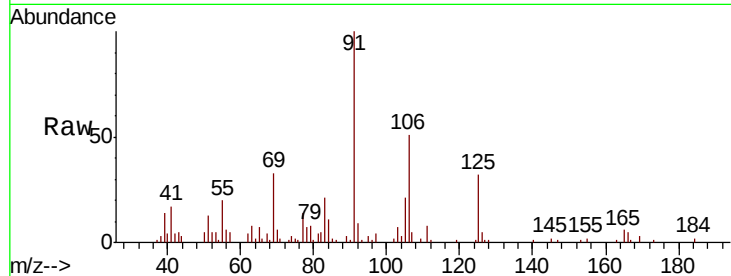
C0AC3RE

Tot Ion:106 Resp: 6852

Ion Ratio Lower Upper

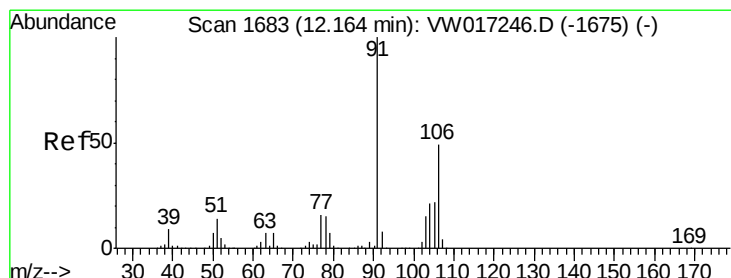
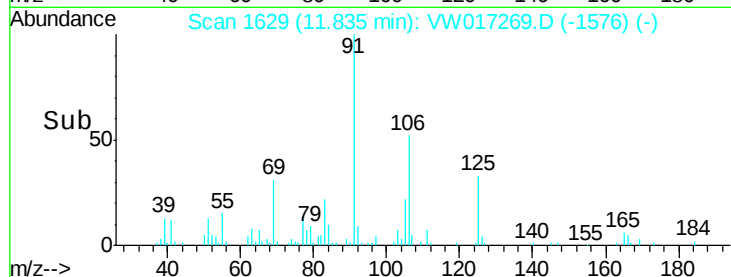
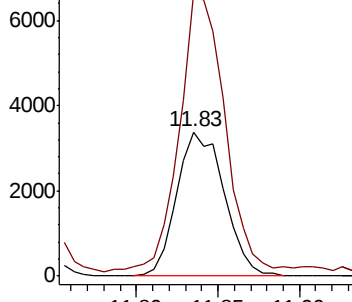
106 100

91 196.6 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 1.339 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW017269.D

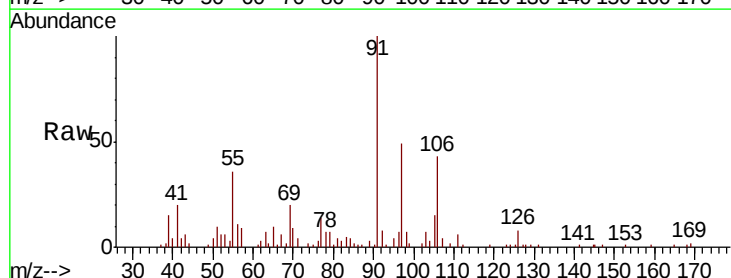
Acq: 16 Nov 2020 20:01

Tgt Ion:106 Resp: 7284

Ion Ratio Lower Upper

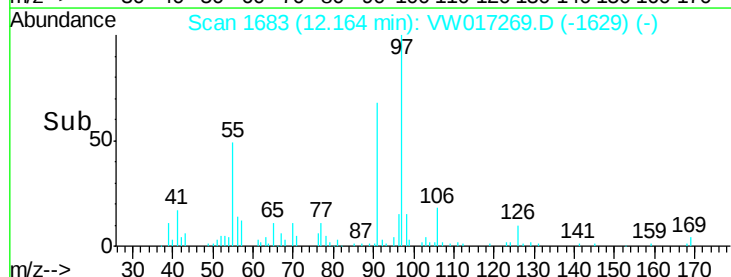
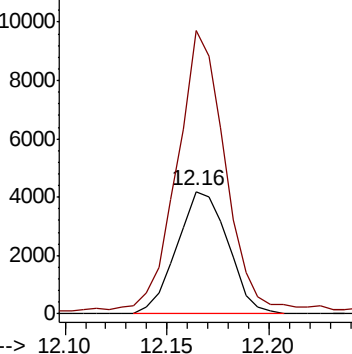
106 100

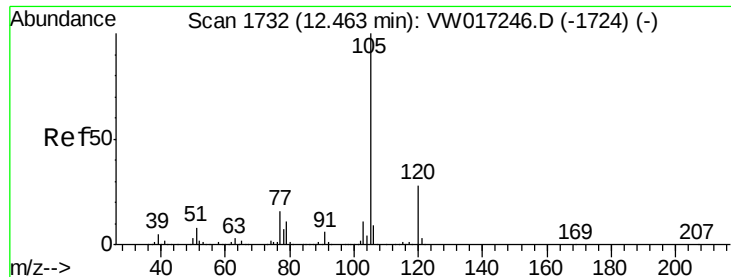
91 230.9 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 1.631 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017269.D

Acq: 16 Nov 2020 20:01

Instrument :

MSVOA_W

ClientSampleId :

C0AC3RE

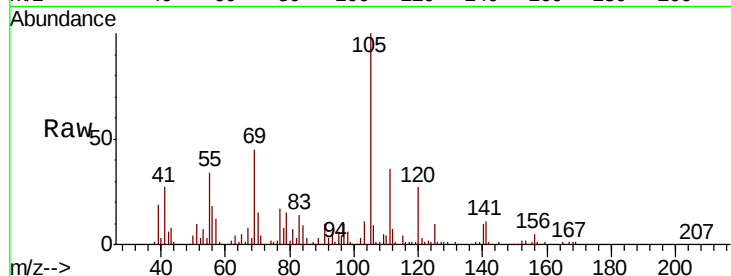
Tot Ion:105 Resp: 24070

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6

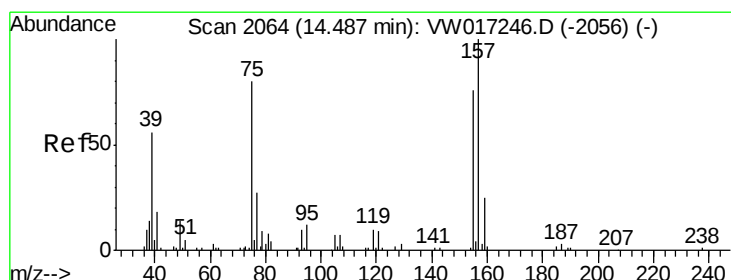
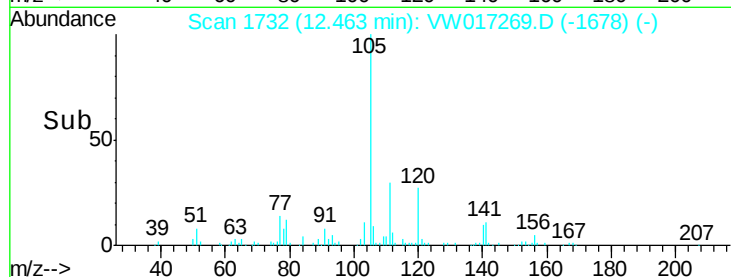
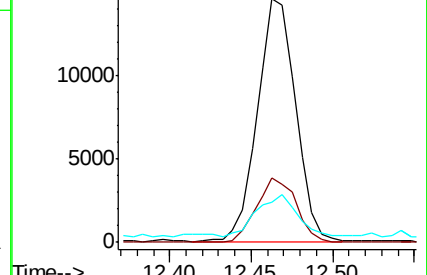
77 17.6 11.4 17.0#



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



#66

1,2-Dibromo-3-chloropropane

Concen: 123.162 ug/L

RT: 14.46 min Scan# 2059

Delta R.T. -0.03 min

Lab File: VW017269.D

Acq: 16 Nov 2020 20:01

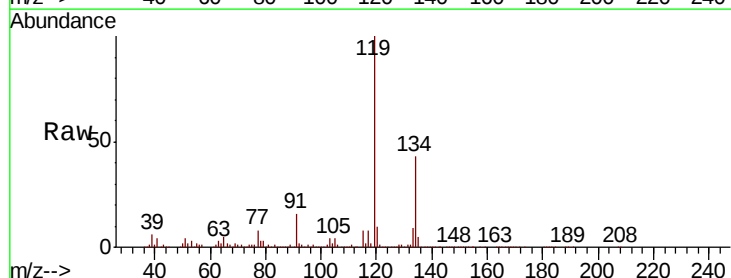
Tgt Ion: 75 Resp: 20479

Ion Ratio Lower Upper

75 100

157 0.8 108.2 162.4#

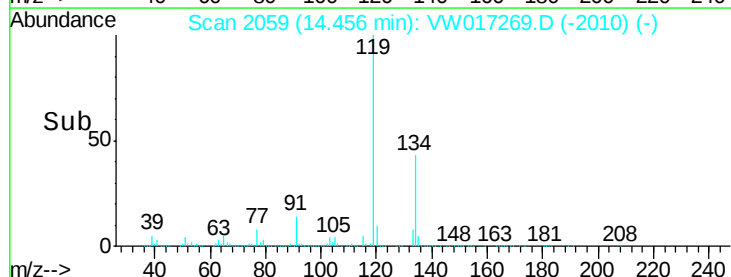
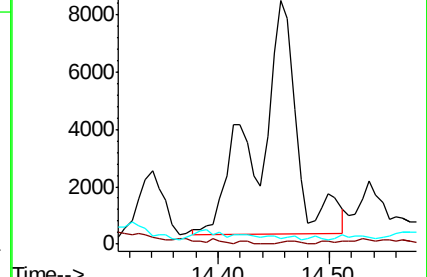
155 2.5 79.1 118.7#

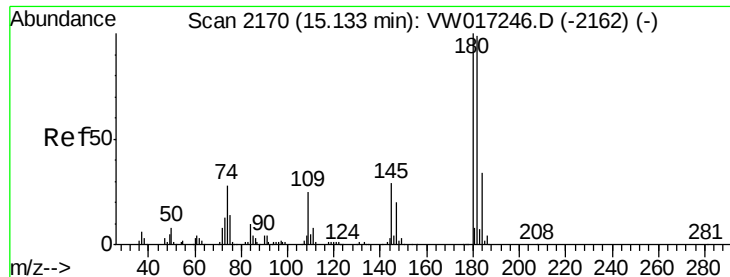


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#68

1,2,4-trichlorobenzene

Concen: 1.610 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW017269.D

Acq: 16 Nov 2020 20:01

Instrument :

MSVOA_W

ClientSampled :

C0AC3RE

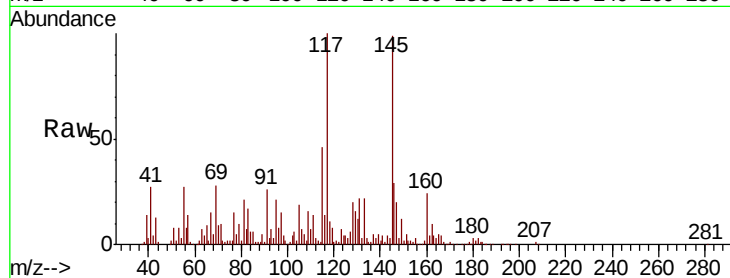
Tot Ion:180 Resp: 2640

Ion Ratio Lower Upper

180 100

182 201.6 76.7 115.1#

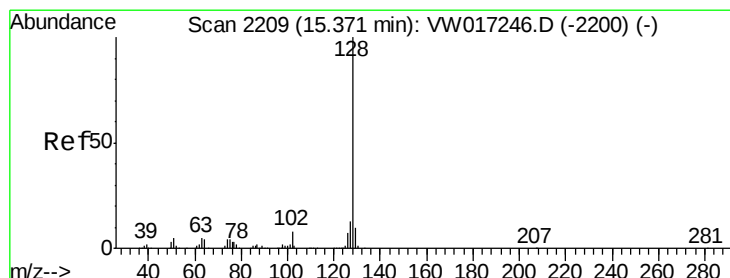
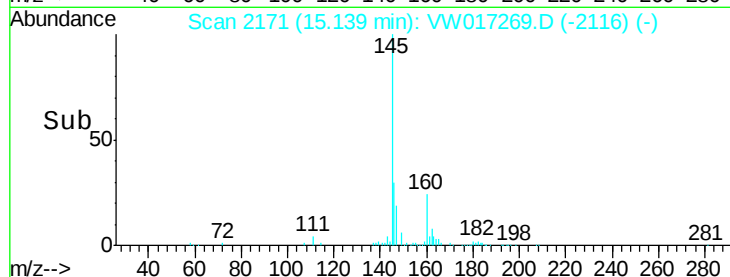
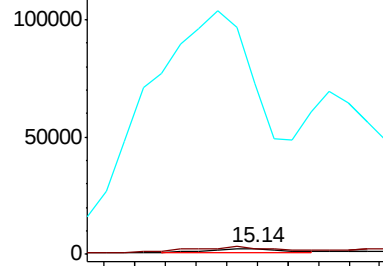
145 10697.7 23.6 35.4#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 269.660 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017269.D

Acq: 16 Nov 2020 20:01

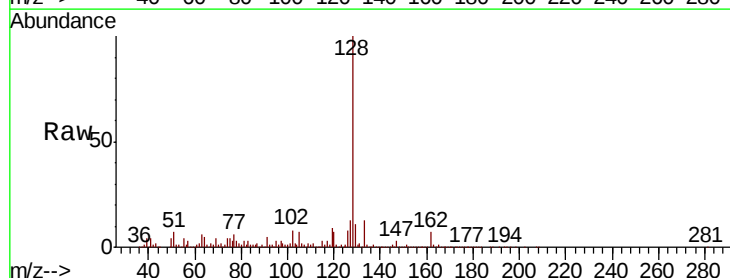
Tgt Ion:128 Resp: 813826

Ion Ratio Lower Upper

128 100

129 9.2 8.6 12.8

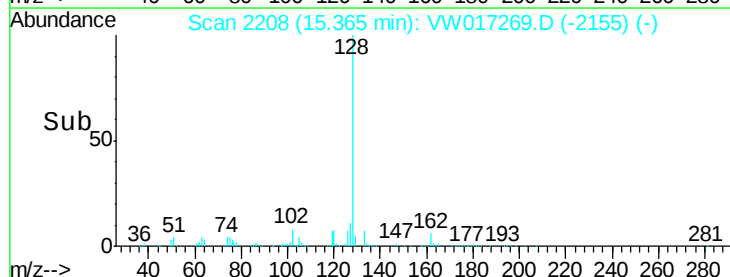
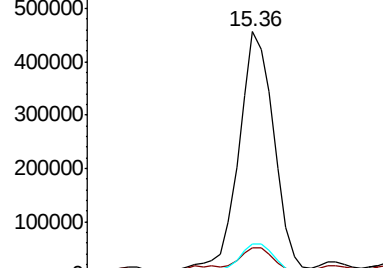
127 12.1 10.2 15.2

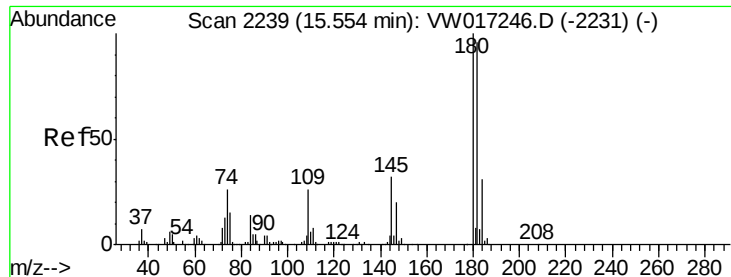


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

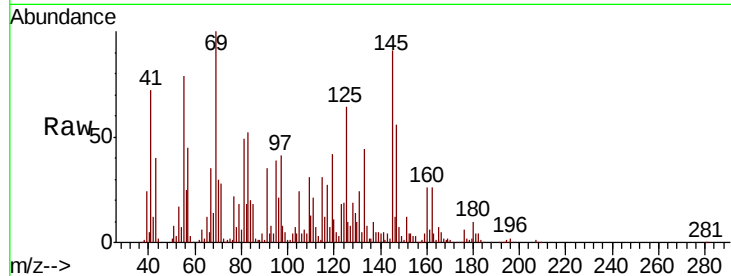




#70
 1,2,3-Trichlorobenzene
 Concen: 2.484 ug/L
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW017269.D
 Acq: 16 Nov 2020 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC3RE

Tot Ion:180 Resp: 3722
 Ion Ratio Lower Upper
 180 100
 182 83.6 75.5 113.3
 145 5766.6 24.5 36.7#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

