

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
 Data File : VW016716.D
 Acq On : 30 Sep 2020 16:51
 Operator : SY/VA
 Sample : L4201-02
 Misc : 4.61G/10ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AJ9

Quant Time: Oct 01 05:07:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 05:05:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	636634	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	545889	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	250958	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	105190	17.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.28%
7) Chloroethane-d5	2.90	69	99326	19.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.96%
10) 1,1-Dichloroethene-d2	4.03	63	190841	13.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.40%
20) 2-Butanone-d5	7.09	46	66111	39.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.70%
24) Chloroform-d	7.65	84	312088	23.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.72%
26) 1,2-Dichloroethane-d4	8.31	65	161570	23.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.52%
29) Benzene-d6	8.28	84	574423	23.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.84%
33) 1,2-Dichloropropane-d6	9.28	67	163051	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.32%
37) Toluene-d8	10.33	98	551375	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.56%
38) trans-1,3-Dichloropropene-	10.58	79	64229	19.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.80%
39) 2-Hexanone-d5	10.93	63	47671	39.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	131042	23.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	193936	24.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.76%

Target Compounds

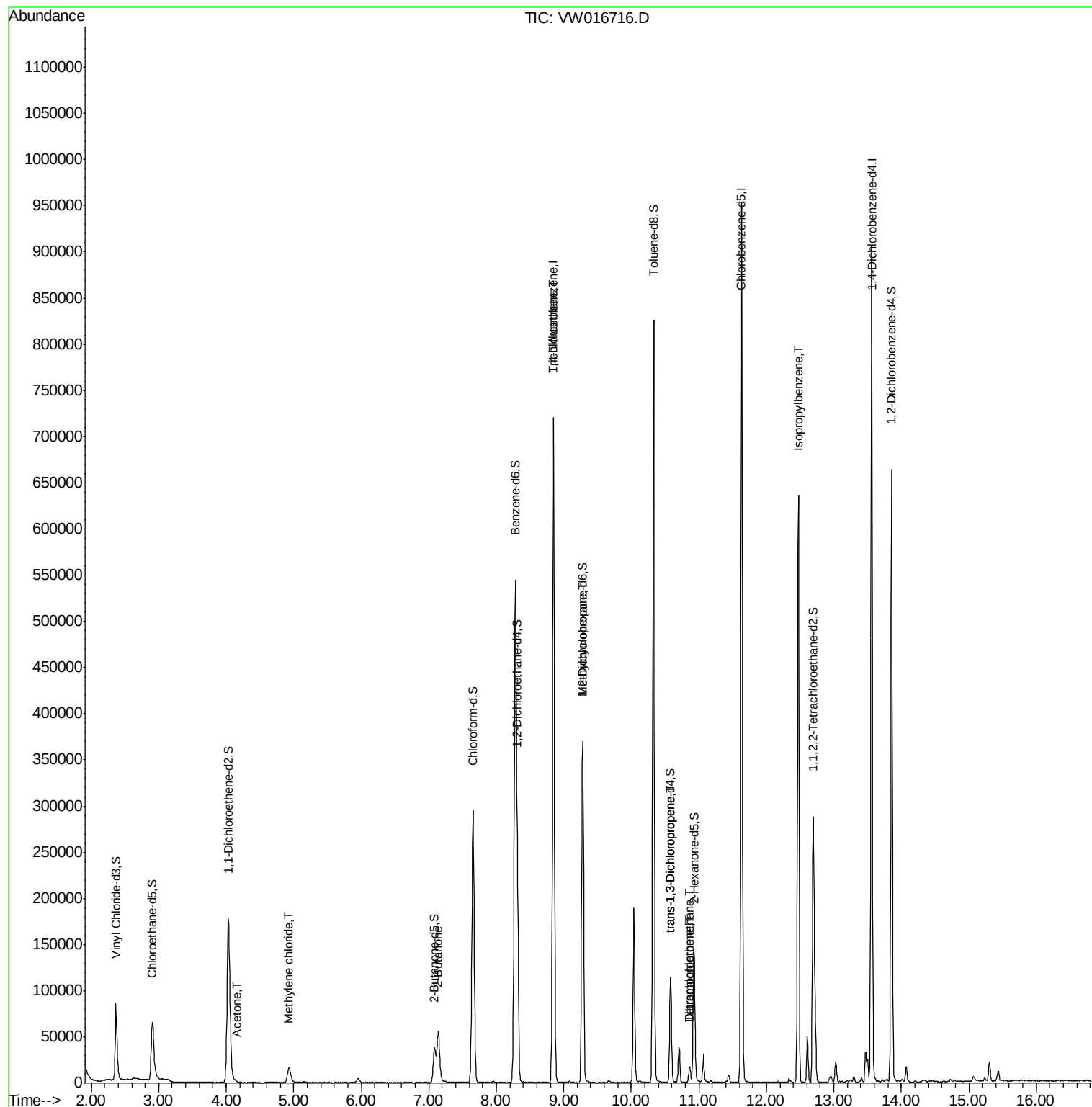
					Ovalue
13) Acetone	4.16	43	546	0.415 ug/L	80
16) Methylene chloride	4.93	84	14790	1.506 ug/L	94
21) 2-Butanone	7.15	43	4524	2.021 ug/L #	61
35) Trichloroethene	8.85	95	19091	2.255 ug/L #	2
36) Methylcyclohexane	9.28	83	44384	3.091 ug/L #	21
45) trans-1,3-Dichloropropene	10.58	75	3306	0.327 ug/L	95
47) Tetrachloroethene	10.87	164	3944	0.516 ug/L	80
50) Dibromochloromethane	10.87	129	3776	0.504 ug/L #	12
57) Isopropylbenzene	12.47	105	27984	0.731 ug/L #	1

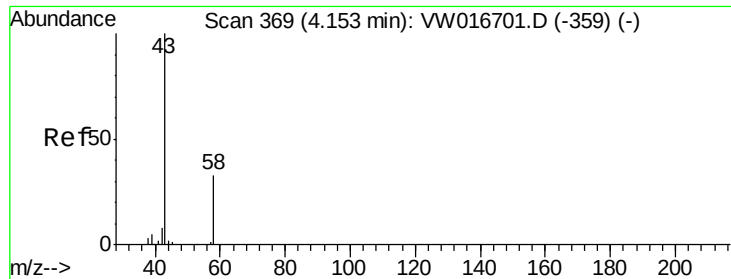
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 01 05:05:13 2020
Response via : Initial Calibration





#13

Acetone

Concen: 0.415 ug/L

RT: 4.16 min Scan# 370

Delta R.T. 0.01 min

Lab File: VW016716.D

Acq: 30 Sep 2020 16:51

Instrument :

MSVOA_W

ClientSampled :

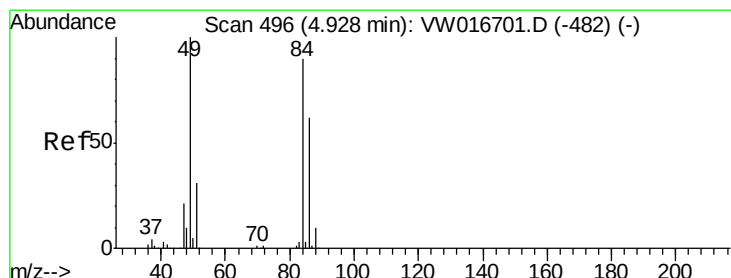
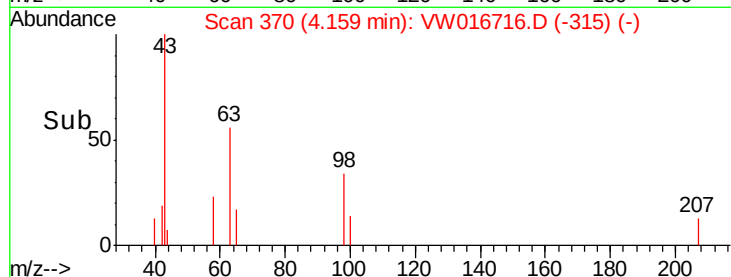
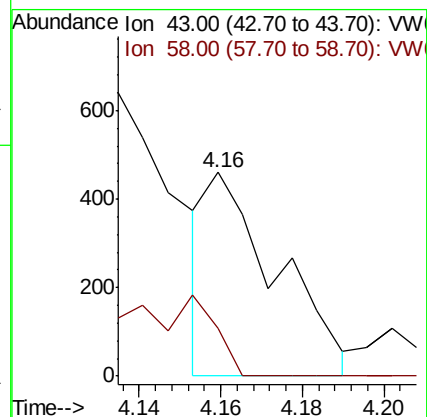
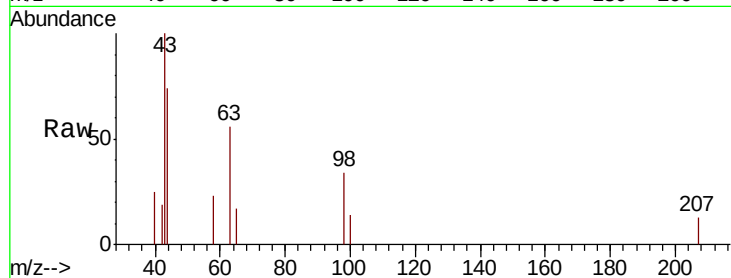
C0AJ9

Tot Ion: 43 Resp: 546

Ion Ratio Lower Upper

43 100

58 19.4 0.0 60.2



#16

Methylene chloride

Concen: 1.506 ug/L

RT: 4.93 min Scan# 496

Delta R.T. -0.00 min

Lab File: VW016716.D

Acq: 30 Sep 2020 16:51

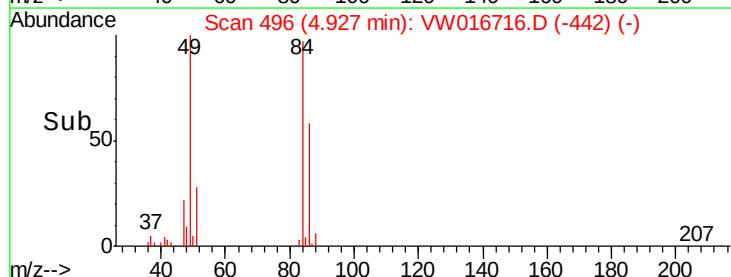
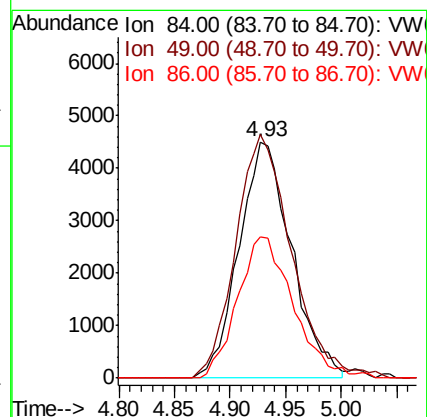
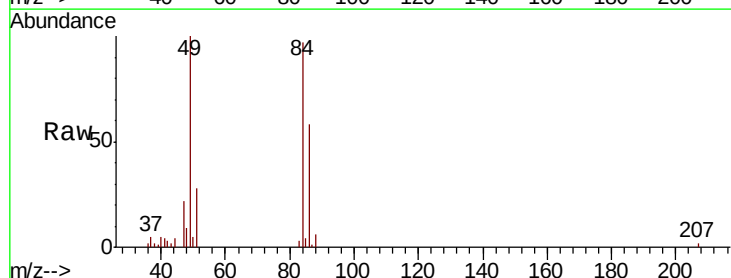
Tgt Ion: 84 Resp: 14790

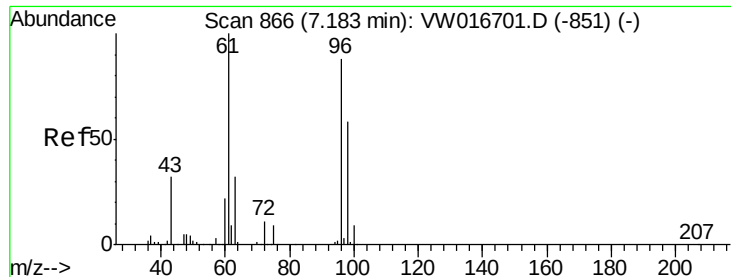
Ion Ratio Lower Upper

84 100

49 102.9 76.0 141.2

86 59.6 45.6 84.6





#21

2-Butanone

Concen: 2.021 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW016716.D

Acq: 30 Sep 2020 16:51

Instrument :

MSVOA_W

ClientSampleId :

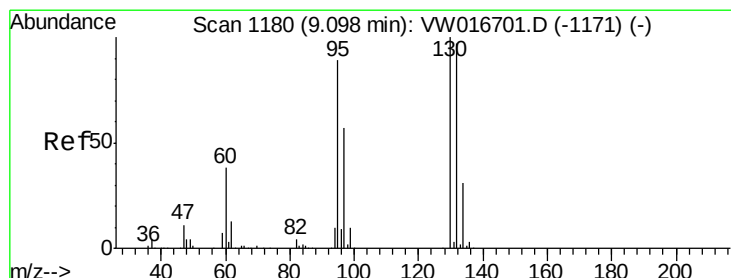
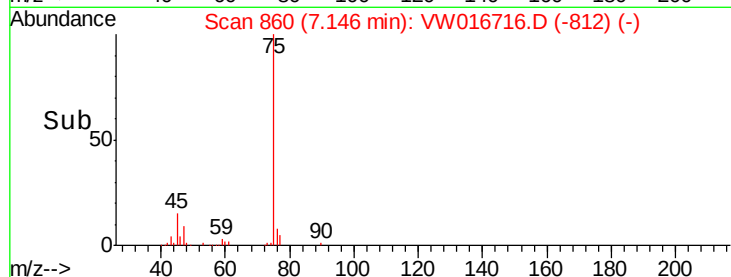
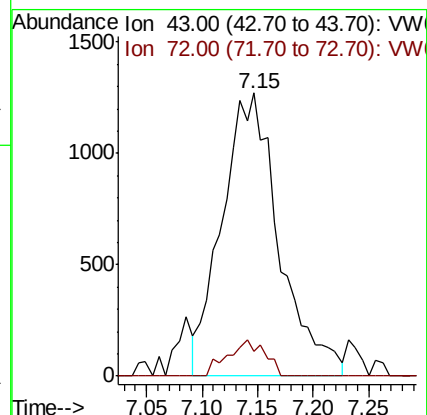
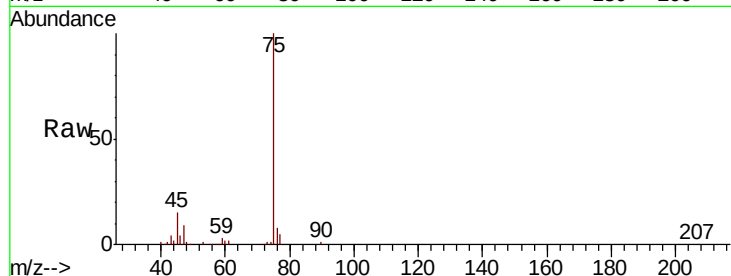
C0AJ9

Tot Ion: 43 Resp: 4524

Ion Ratio Lower Upper

43 100

72 8.3 14.6 43.8#



#35

Trichloroethene

Concen: 2.255 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.25 min

Lab File: VW016716.D

Acq: 30 Sep 2020 16:51

Tgt Ion: 95 Resp: 19091

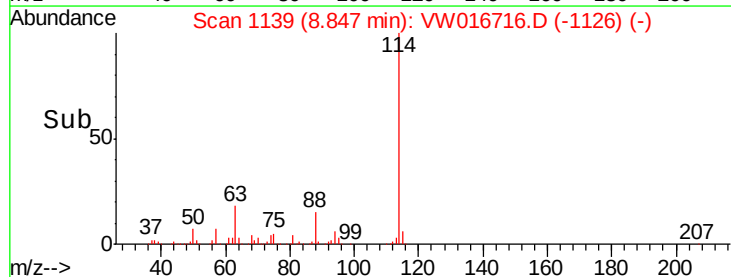
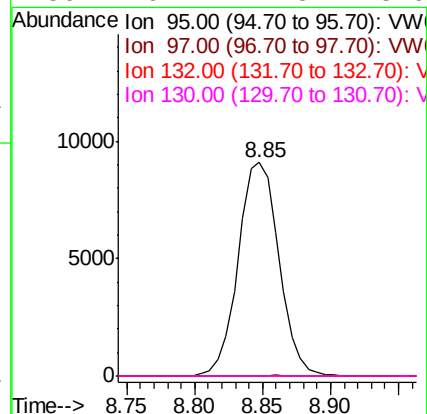
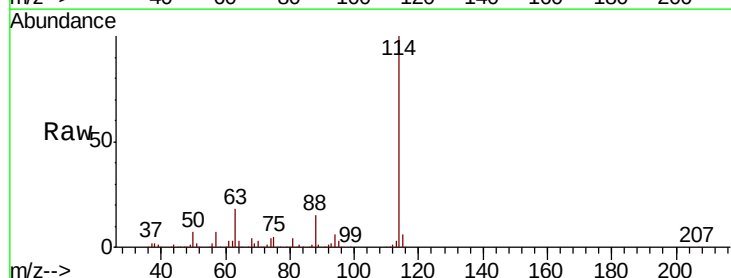
Ion Ratio Lower Upper

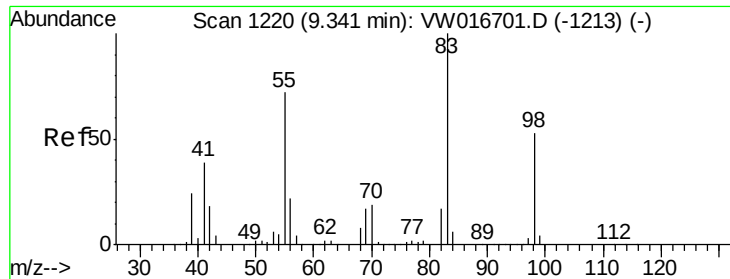
95 100

97 0.0 45.2 84.0#

132 0.3 73.3 136.1#

130 0.1 77.5 143.9#

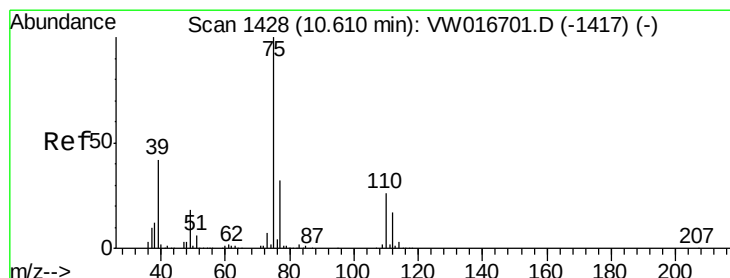
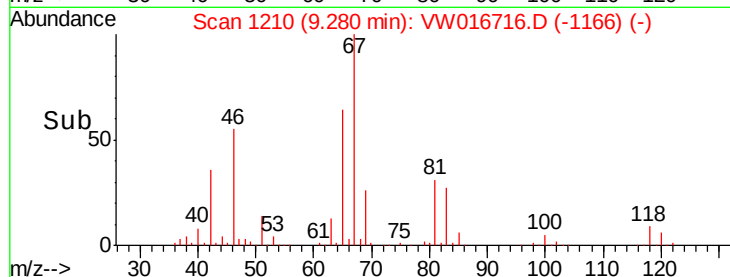
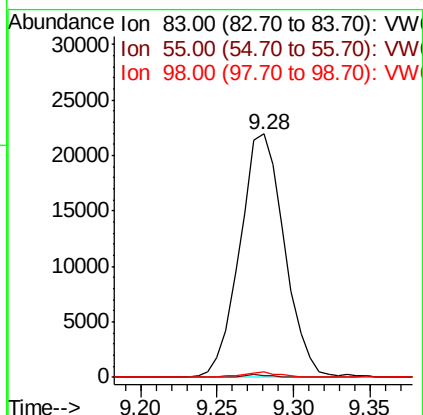
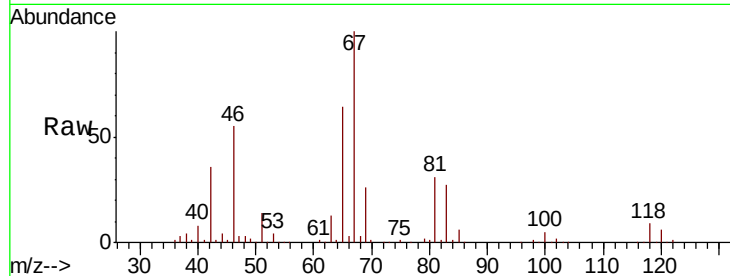




#36
Methylcyclohexane
Concen: 3.091 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW016716.D
Acq: 30 Sep 2020 16:51

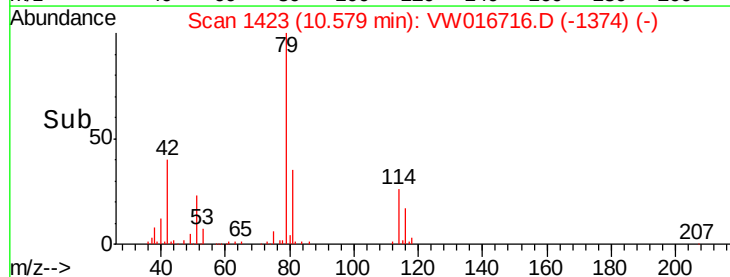
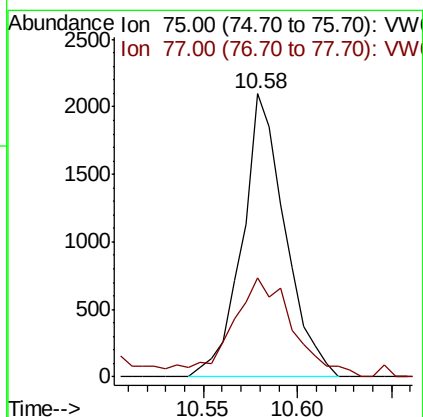
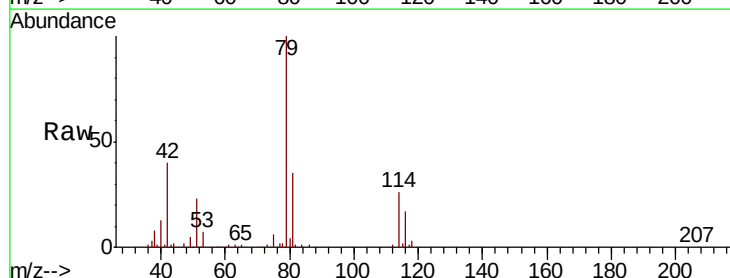
Instrument :
MSVOA_W
ClientSampleId :
C0AJ9

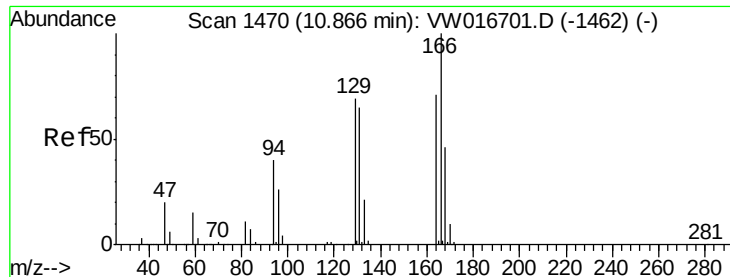
Tot Ion: 83 Resp: 44384
Ion Ratio Lower Upper
83 100
55 0.6 55.9 83.9#
98 1.9 42.1 63.1#



#45
trans-1,3-Dichloropropene
Concen: 0.327 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.03 min
Lab File: VW016716.D
Acq: 30 Sep 2020 16:51

Tgt Ion: 75 Resp: 3306
Ion Ratio Lower Upper
75 100
77 35.1 22.5 41.9





#47

Tetrachloroethene

Concen: 0.516 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016716.D

Acq: 30 Sep 2020 16:51

Instrument :

MSVOA_W

ClientSampleId :

C0AJ9

Tot Ion:164 Resp: 3944

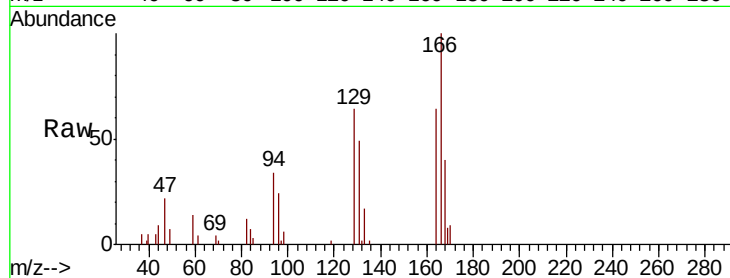
Ion Ratio Lower Upper

164 100

129 99.4 55.6 103.2

131 77.2 57.2 106.2

166 156.3 86.5 160.6

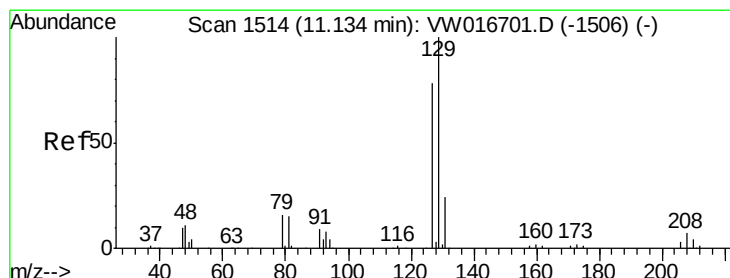
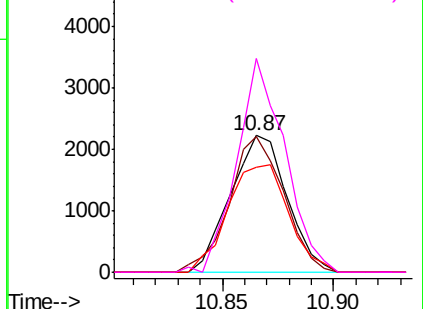
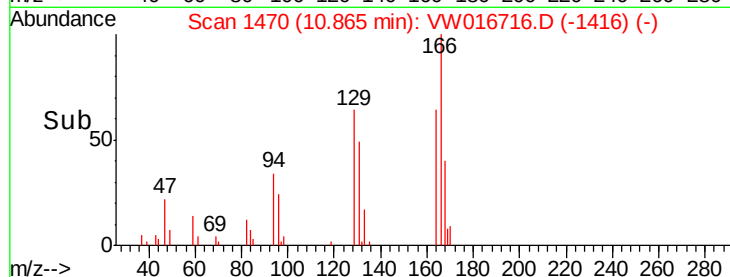


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 0.504 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW016716.D

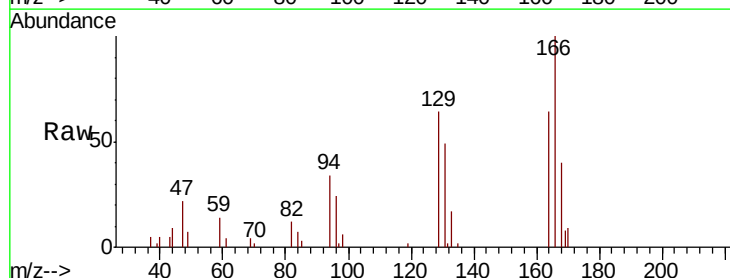
Acq: 30 Sep 2020 16:51

Tgt Ion:129 Resp: 3776

Ion Ratio Lower Upper

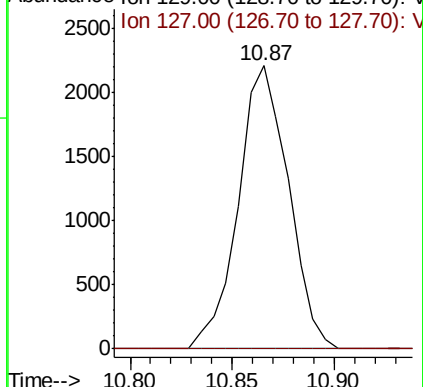
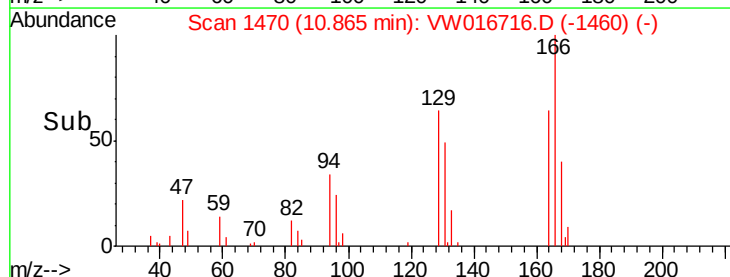
129 100

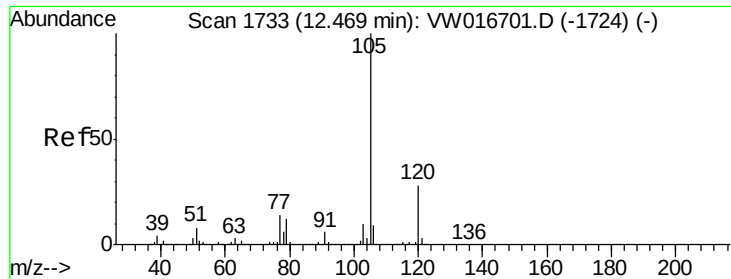
127 0.0 52.4 97.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#57

Isopropylbenzene

Concen: 0.731 ug/L

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW016716.D

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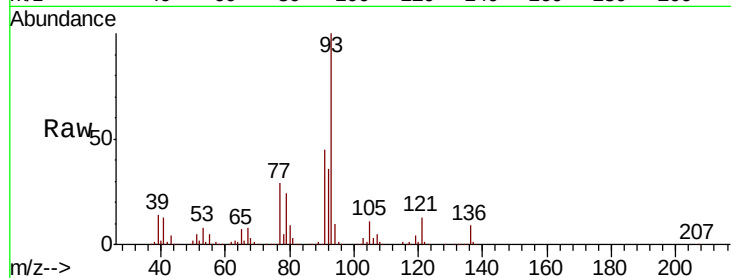
Tot Ion:105 Resp: 27984

Ion Ratio Lower Upper

105 100

120 6.9 21.8 32.8#

77 262.8 12.2 18.2#



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): VW

