

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092920\
 Data File : VW016687.D
 Acq On : 29 Sep 2020 15:28
 Operator : SY/VA
 Sample : L4184-13
 Misc : 4.97G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AL7

Quant Time: Sep 30 07:16:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 07:14:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	588304	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	485984	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	193007	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	116696	20.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.96%
7) Chloroethane-d5	2.91	69	106984	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.04%
10) 1,1-Dichloroethene-d2	4.03	63	191654	15.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.20%
20) 2-Butanone-d5	7.09	46	62611	40.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.66%
24) Chloroform-d	7.66	84	297108	24.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.56%
26) 1,2-Dichloroethane-d4	8.31	65	155599	24.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.52%
29) Benzene-d6	8.28	84	567258	26.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.12%
33) 1,2-Dichloropropane-d6	9.28	67	160137	27.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.44%
37) Toluene-d8	10.33	98	522980	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.56%
38) trans-1,3-Dichloropropene-	10.58	79	62470	20.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.92%
39) 2-Hexanone-d5	10.93	63	47164	43.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116550	23.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	154930	25.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.48%

Target Compounds

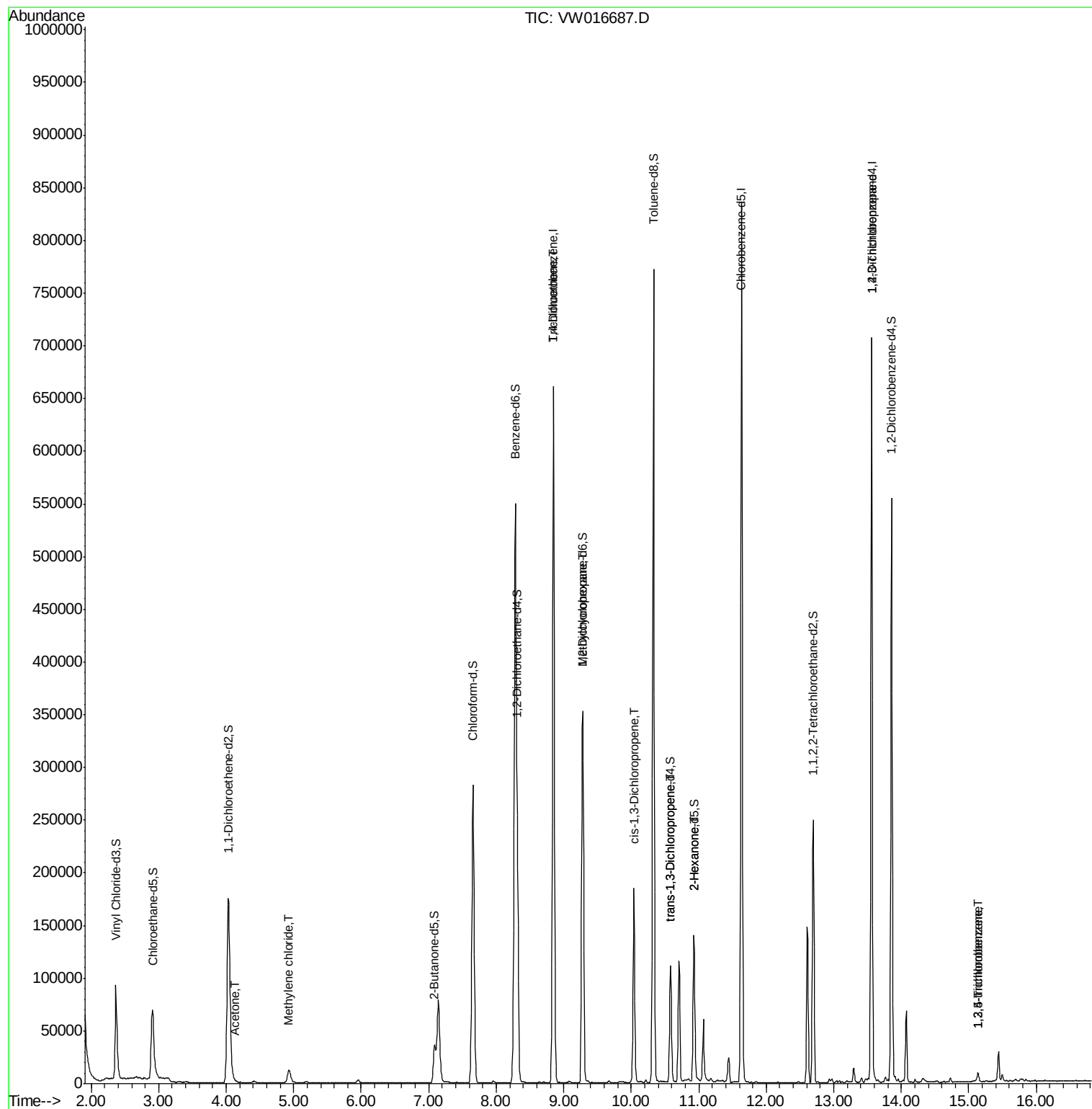
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.14	43	1371	1.127	ug/L	76
16) Methylene chloride	4.93	84	11282	1.243	ug/L	97
35) Trichloroethene	8.85	95	17307	2.296	ug/L #	2
36) Methylcyclohexane	9.28	83	43275	3.385	ug/L #	21
42) cis-1,3-Dichloropropene	10.04	75	4921	0.476	ug/L #	58
45) trans-1,3-Dichloropropene	10.58	75	3056	0.339	ug/L #	76
49) 2-Hexanone	10.93	43	6002	2.457	ug/L #	68
59) 1,2,3-Trichloropropane	13.56	75	19894	4.680	ug/L	90
67) 1,3,5-Trichlorobenzene	15.14	180	2727	0.297	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	2727	0.367	ug/L	97

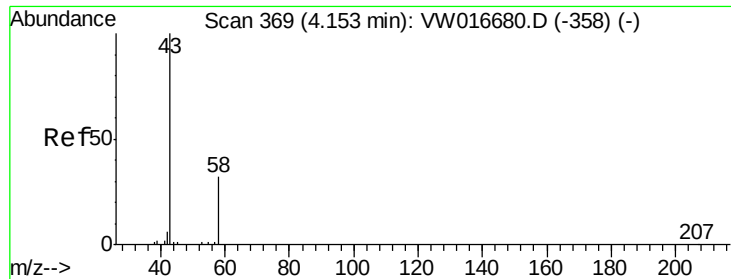
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 30 07:14:58 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.127 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016687.D

Acq: 29 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

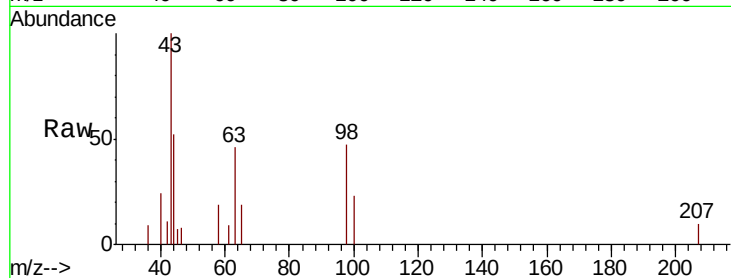
C0AL7

Tot Ion: 43 Resp: 1371

Ion Ratio Lower Upper

43 100

58 17.3 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

800

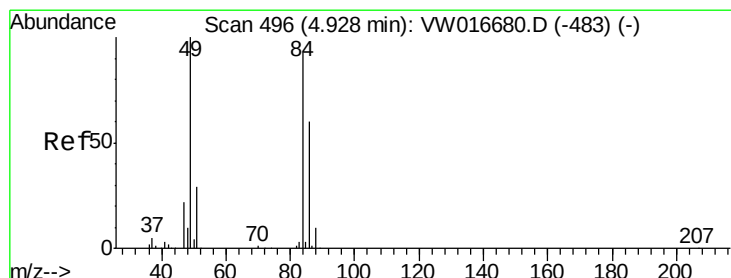
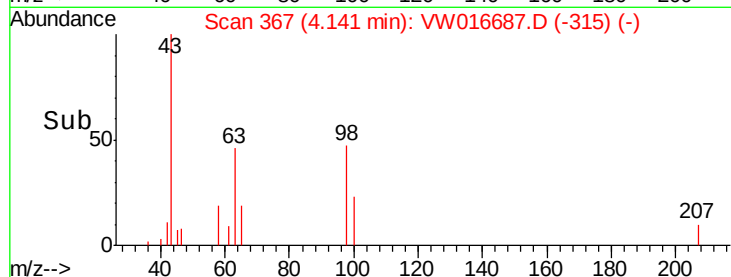
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 1.243 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW016687.D

Acq: 29 Sep 2020 15:28

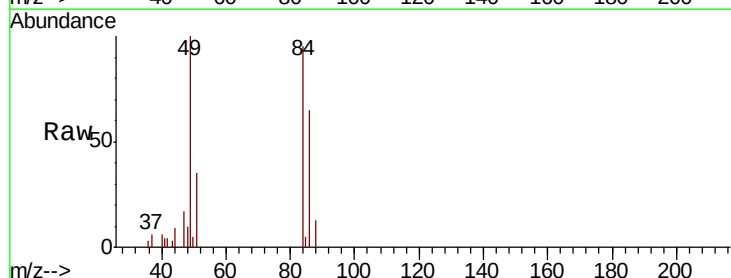
Tgt Ion: 84 Resp: 11282

Ion Ratio Lower Upper

84 100

49 104.7 76.0 141.2

86 67.6 45.6 84.6



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.93

4000

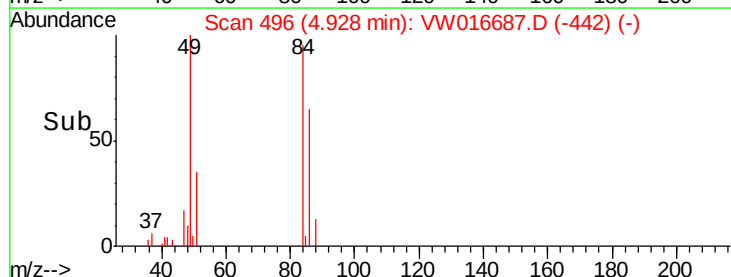
3000

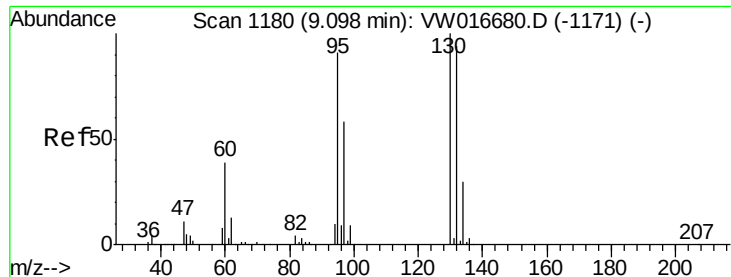
2000

1000

0

Time-->





#35

Trichloroethene

Concen: 2.296 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.25 min

Lab File: VW016687.D

Acq: 29 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

C0AL7

Tot Ion: 95 Resp: 17307

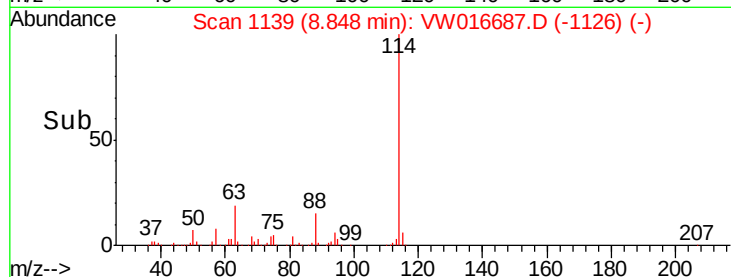
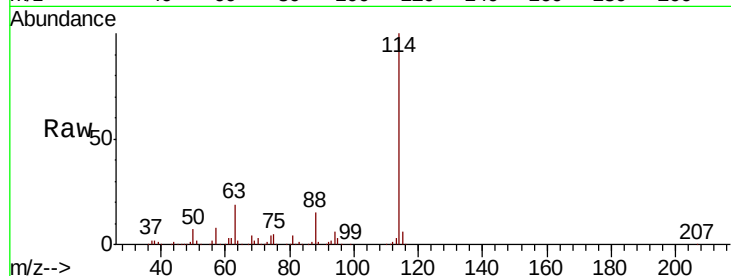
Ion Ratio Lower Upper

95 100

97 0.0 45.2 84.0#

132 0.0 73.3 136.1#

130 0.0 77.5 143.9#

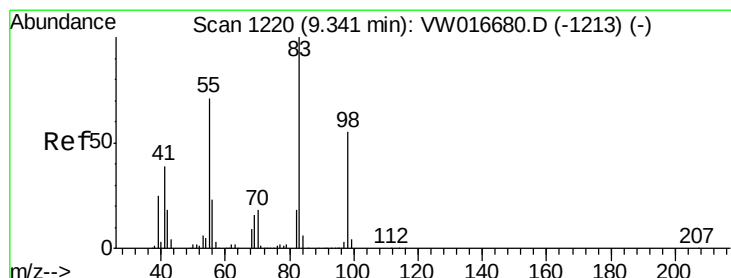
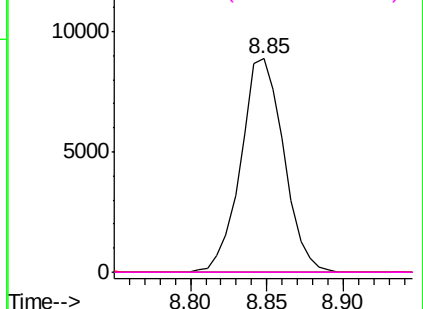


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 3.385 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.06 min

Lab File: VW016687.D

Acq: 29 Sep 2020 15:28

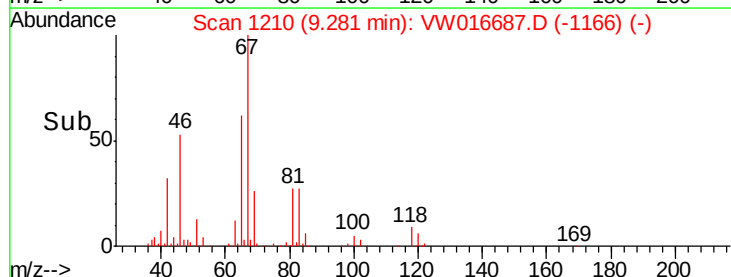
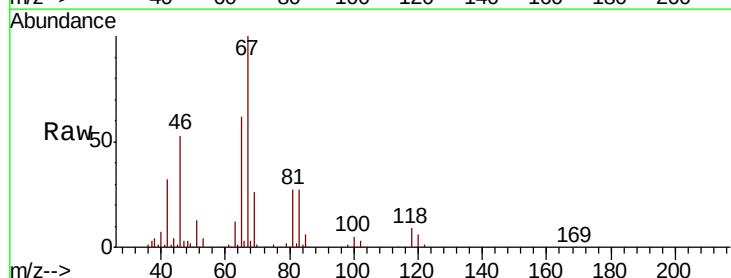
Tgt Ion: 83 Resp: 43275

Ion Ratio Lower Upper

83 100

55 0.6 55.9 83.9#

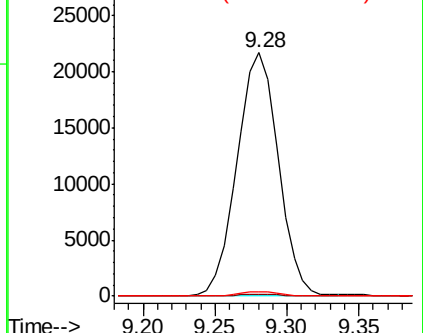
98 1.9 42.1 63.1#

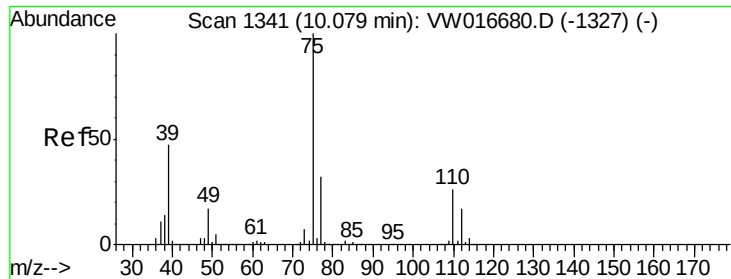


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.476 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.04 min

Lab File: VW016687.D

Acq: 29 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

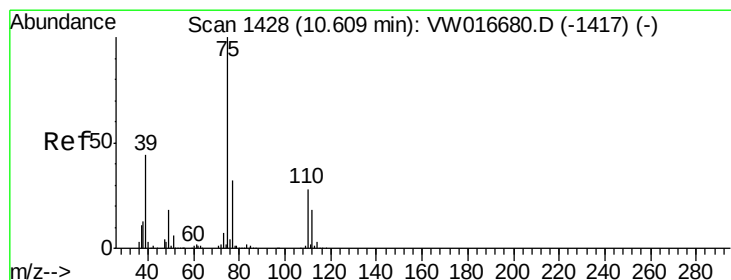
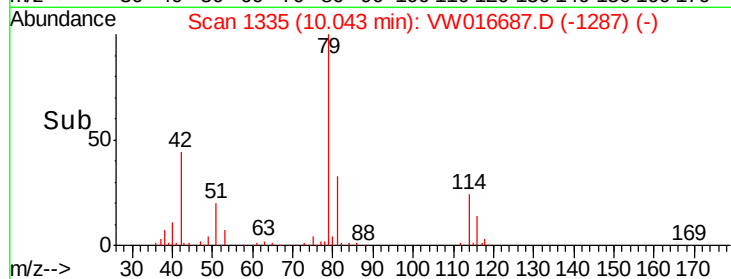
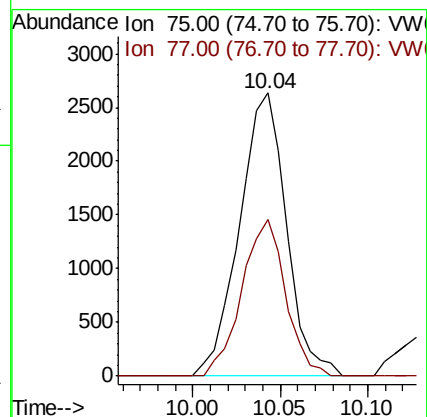
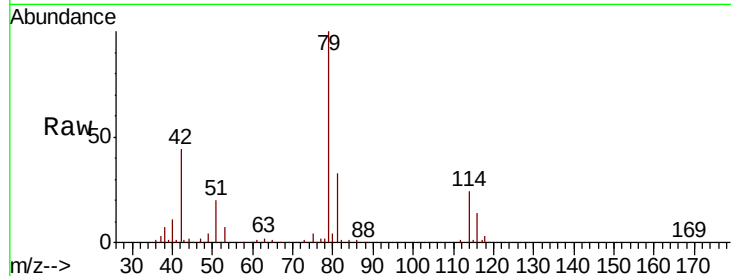
COAL7

Tot Ion: 75 Resp: 4921

Ion Ratio Lower Upper

75 100

77 55.2 22.2 41.2#



#45

trans-1,3-Dichloropropene

Concen: 0.339 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016687.D

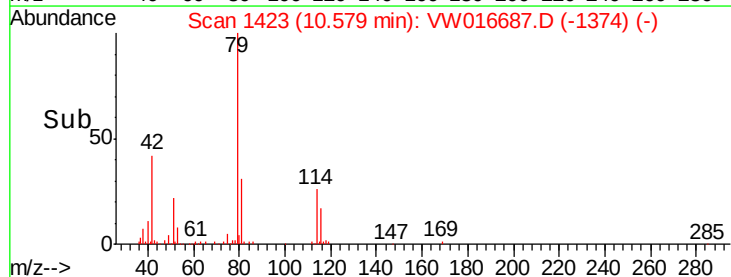
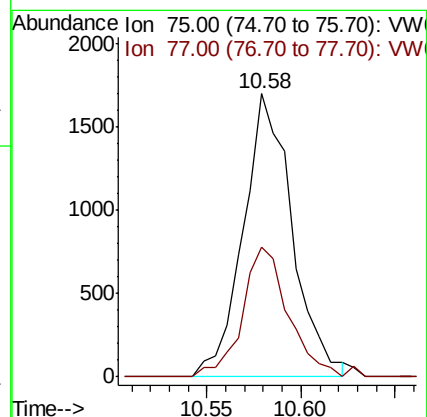
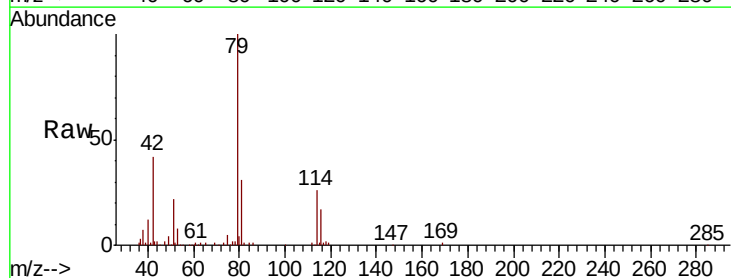
Acq: 29 Sep 2020 15:28

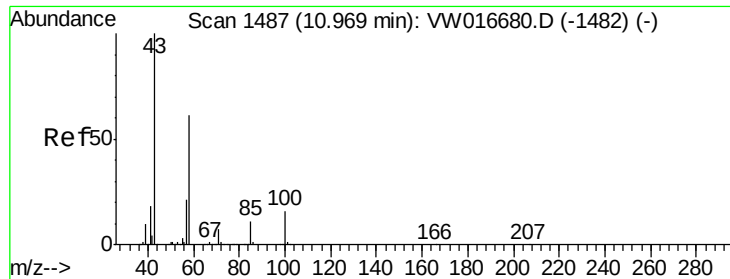
Tgt Ion: 75 Resp: 3056

Ion Ratio Lower Upper

75 100

77 45.7 22.5 41.9#





#49

2-Hexanone

Concen: 2.457 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016687.D

Acq: 29 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampled :

C0AL7

Tot Ion: 43 Resp: 6002

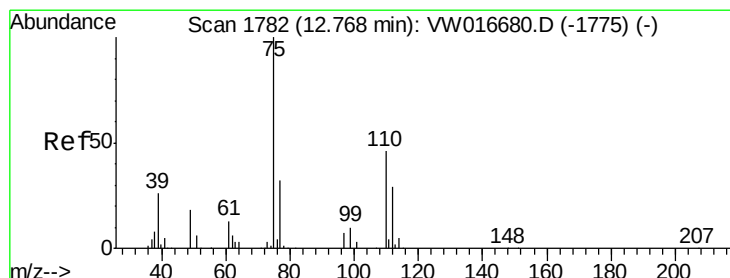
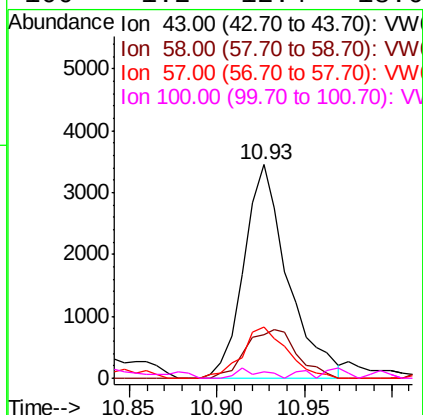
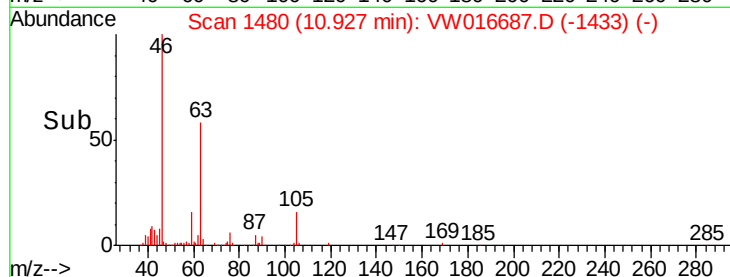
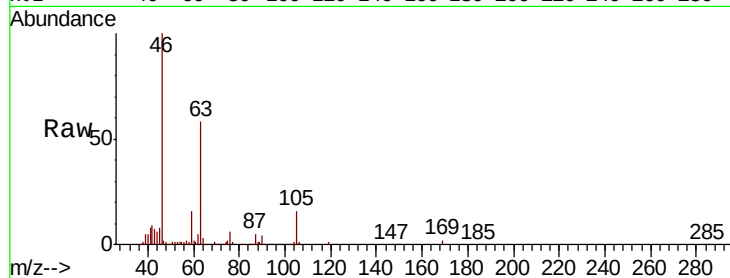
Ion Ratio Lower Upper

43 100

58 26.4 44.2 66.2#

57 24.4 16.3 24.5

100 1.2 12.4 18.6#



#59

1,2,3-Trichloropropane

Concen: 4.680 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016687.D

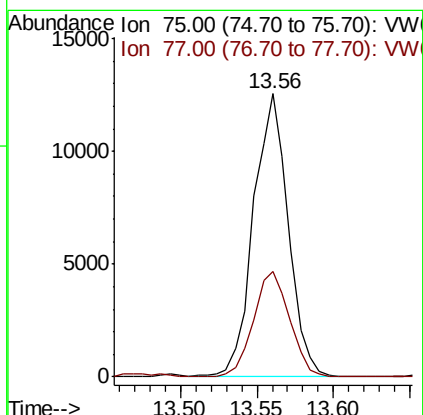
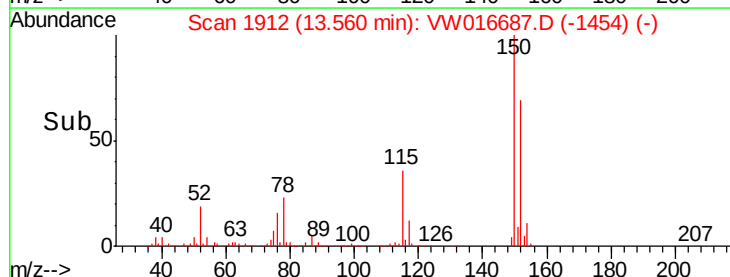
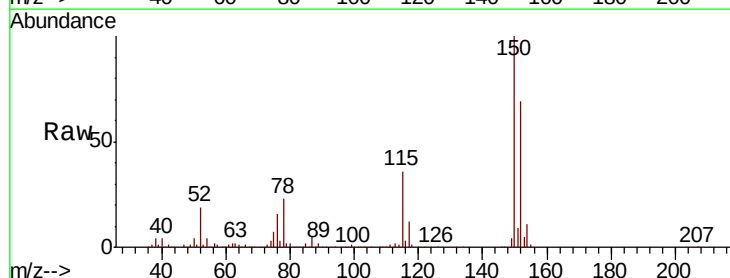
Acq: 29 Sep 2020 15:28

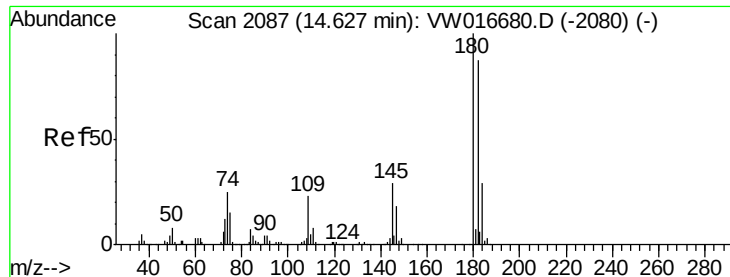
Tgt Ion: 75 Resp: 19894

Ion Ratio Lower Upper

75 100

77 38.5 26.2 39.4

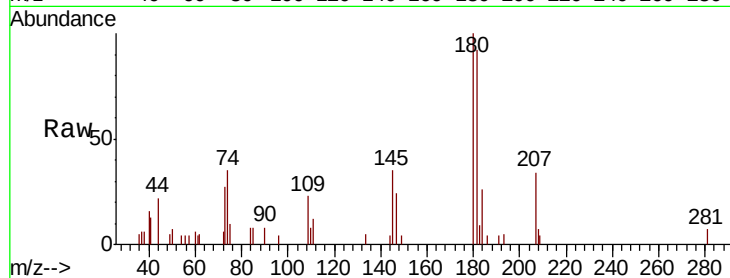




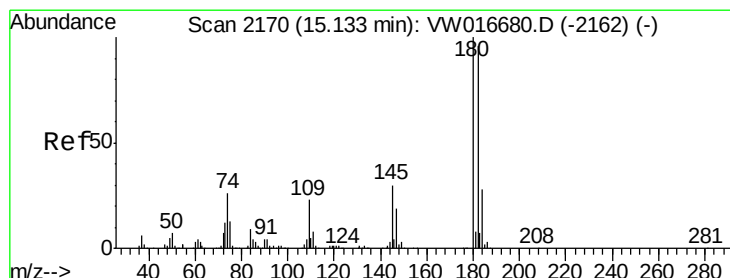
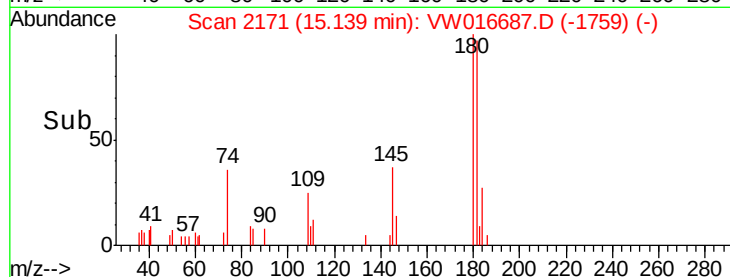
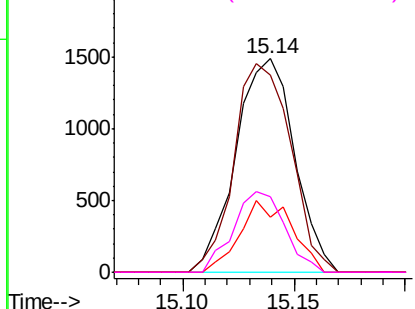
#67
 1,3,5-Trichlorobenzene
 Concen: 0.297 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.51 min
 Lab File: VW016687.D
 Acq: 29 Sep 2020 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AL7

Tot Ion:180 Resp: 2727
 Ion Ratio Lower Upper
 180 100
 182 94.9 73.8 110.8
 184 29.9 23.7 35.5
 145 33.3 22.8 34.2

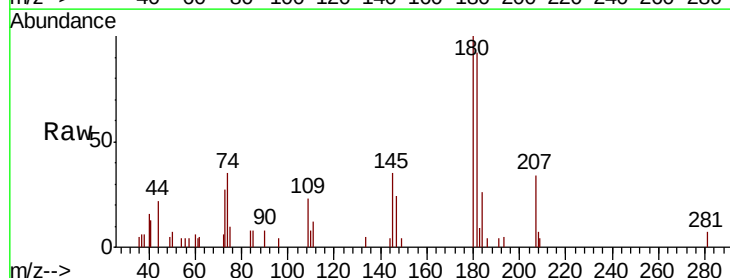


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.367 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016687.D
 Acq: 29 Sep 2020 15:28

Tgt Ion:180 Resp: 2727
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.5 111.7
 145 33.3 23.1 34.7



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

