

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092920\
 Data File : VW016685.D
 Acq On : 29 Sep 2020 14:40
 Operator : SY/VA
 Sample : L4184-05
 Misc : 5.12G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AL2

Quant Time: Sep 30 07:16:37 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	657047	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	578262	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	264331	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	133443	20.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.92%
7) Chloroethane-d5	2.90	69	120474	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.80%
10) 1,1-Dichloroethene-d2	4.03	63	226703	15.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.76%
20) 2-Butanone-d5	7.08	46	75804	43.72	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.44%
24) Chloroform-d	7.65	84	346354	25.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	8.31	65	176762	25.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.20%
29) Benzene-d6	8.28	84	664233	25.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.44%
33) 1,2-Dichloropropane-d6	9.28	67	186889	26.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.36%
37) Toluene-d8	10.32	98	629839	24.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.76%
38) trans-1,3-Dichloropropene-	10.58	79	79577	22.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.84%
39) 2-Hexanone-d5	10.93	63	61819	48.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	145514	24.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	226350	26.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.20%

Target Compounds

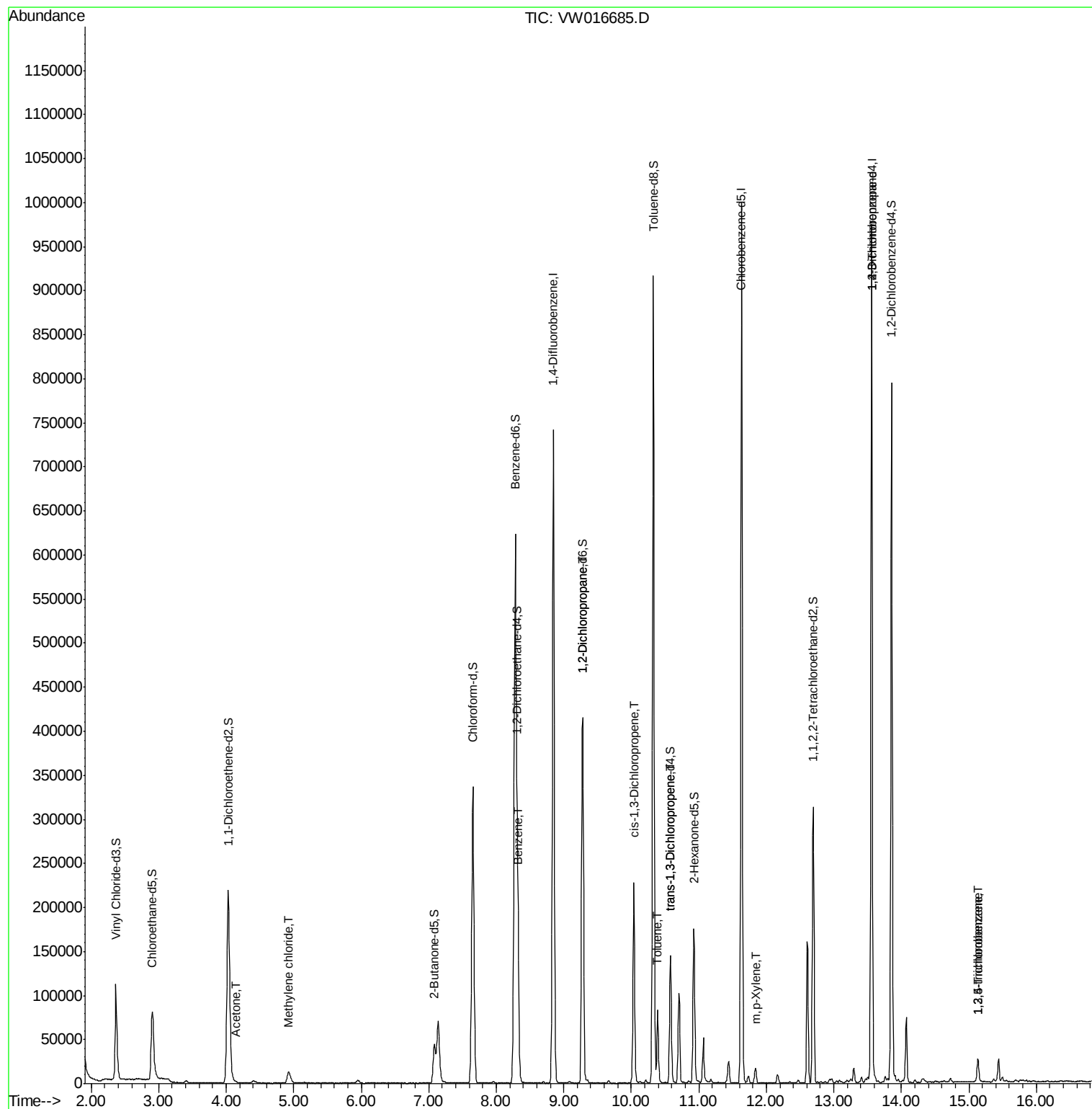
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.15	43	2630	1.936	ug/L	73
16) Methylene chloride	4.93	84	11225	1.108	ug/L	96
34) Benzene	8.33	78	50769	1.638	ug/L	100
40) 1,2-Dichloropropane	9.28	63	22547	3.128	ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	6241	0.507	ug/L #	81
44) Toluene	10.39	91	59474	1.706	ug/L	96
45) trans-1,3-Dichloropropene	10.58	75	3904	0.364	ug/L #	80
54) m,p-Xylene	11.83	106	5364	0.346	ug/L	76
59) 1,2,3-Trichloropropane	13.56	75	27108	5.359	ug/L	89
67) 1,3,5-Trichlorobenzene	15.14	180	8927	0.710	ug/L	96
68) 1,2,4-trichlorobenzene	15.14	180	8927	0.878	ug/L	95

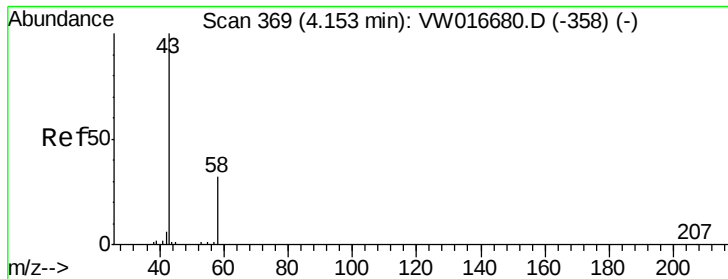
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.936 ug/L

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW016685.D

Acq: 29 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampled :

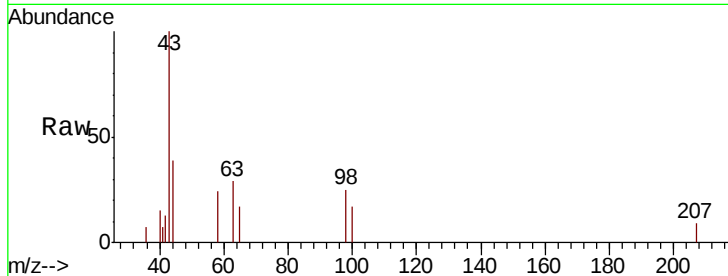
C0AL2

Tot Ion: 43 Resp: 2630

Ion Ratio Lower Upper

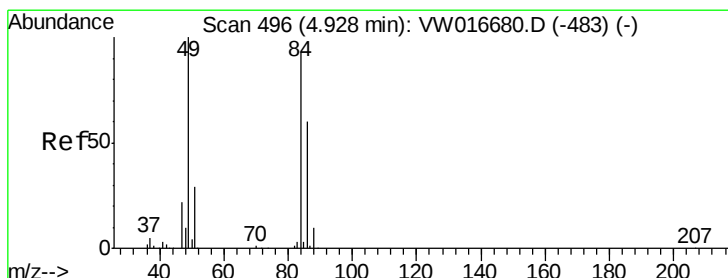
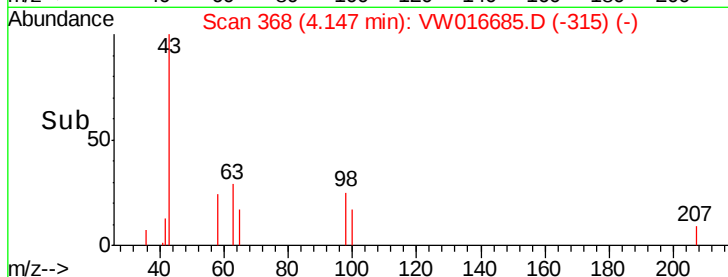
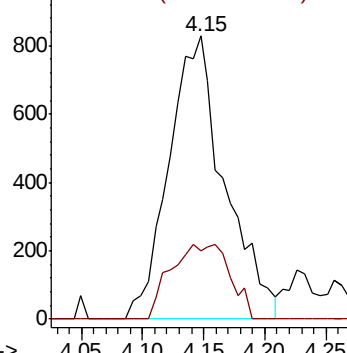
43 100

58 15.5 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.108 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW016685.D

Acq: 29 Sep 2020 14:40

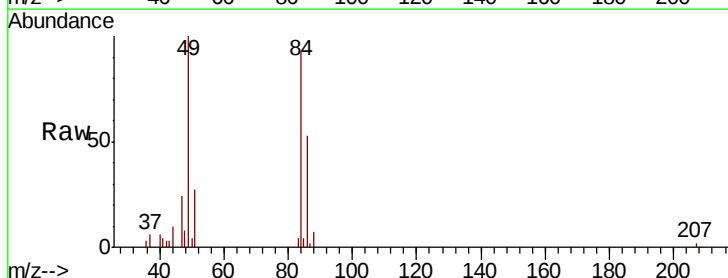
Tgt Ion: 84 Resp: 11225

Ion Ratio Lower Upper

84 100

49 108.0 76.0 141.2

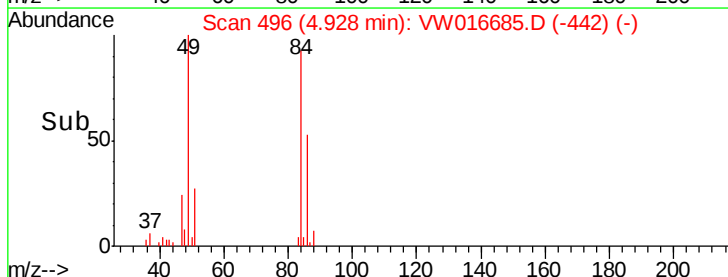
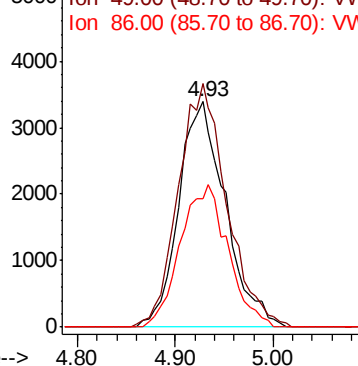
86 56.7 45.6 84.6

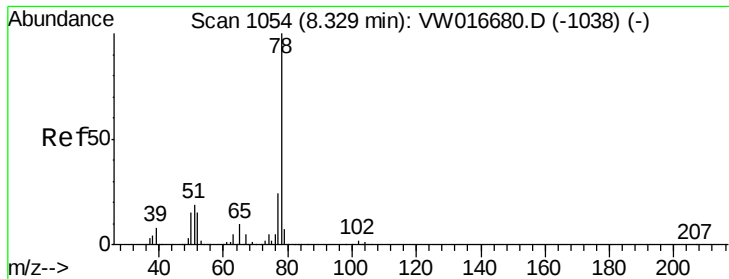


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#34

Benzene

Concen: 1.638 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016685.D

Acq: 29 Sep 2020 14:40

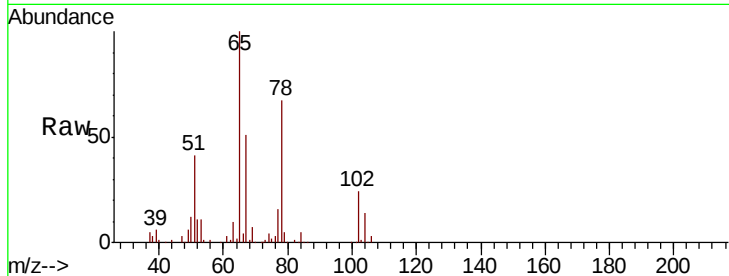
Instrument :

MSVOA_W

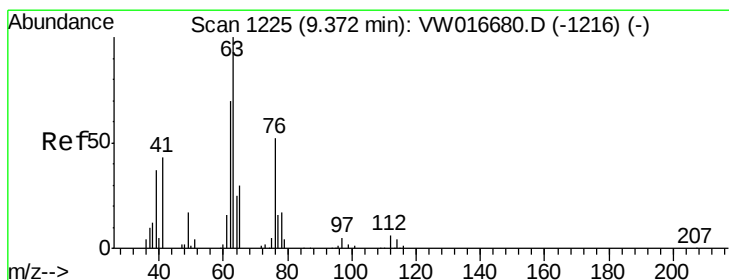
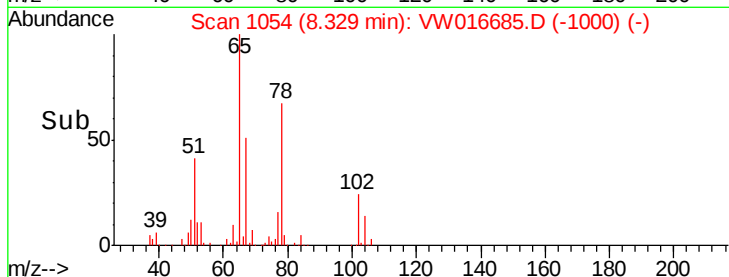
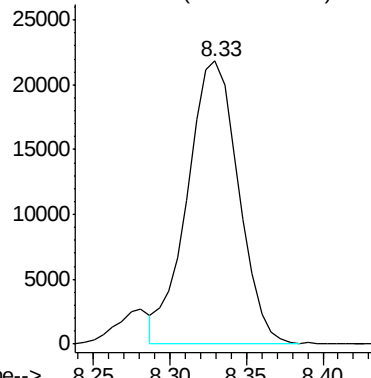
ClientSampleId :

C0AL2

Tgt Ion: 78 Resp: 50769



Abundance Ion 78.00 (77.70 to 78.70): VW



#40

1,2-Dichloropropane

Concen: 3.128 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016685.D

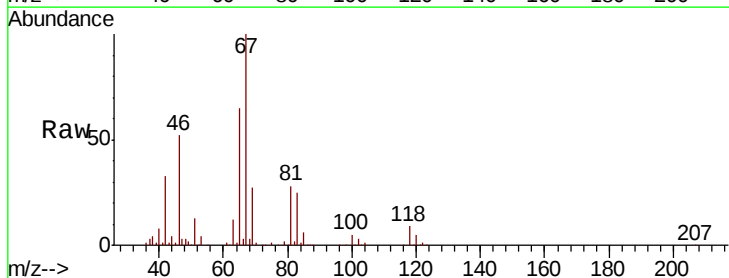
Acq: 29 Sep 2020 14:40

Tgt Ion: 63 Resp: 22547

Ion Ratio Lower Upper

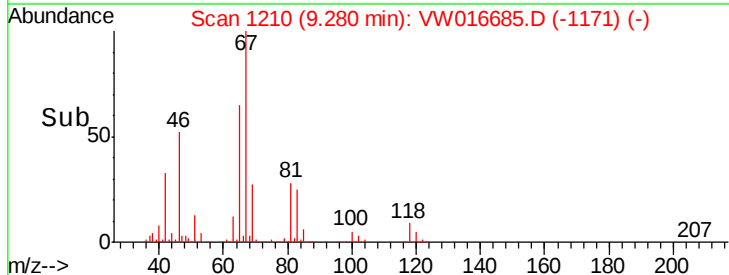
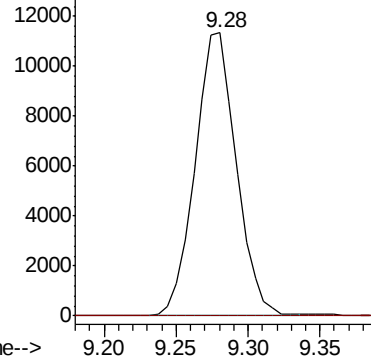
63 100

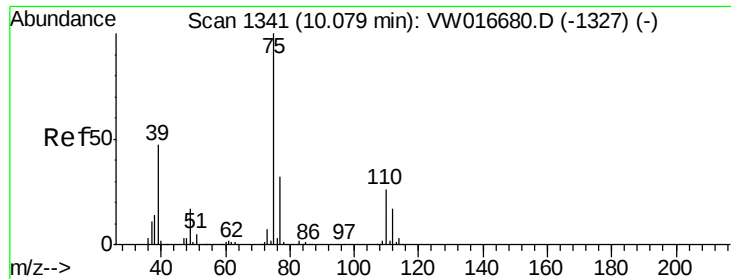
112 0.0 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

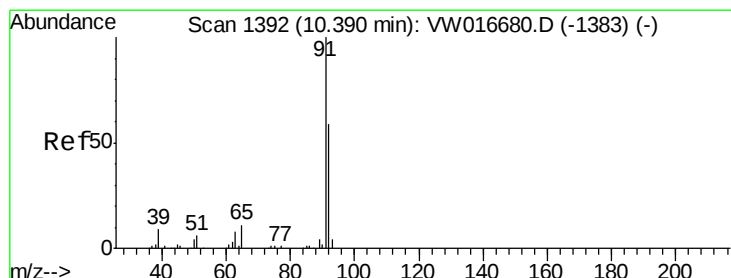
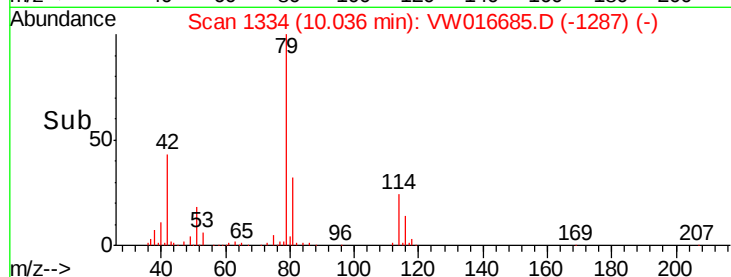
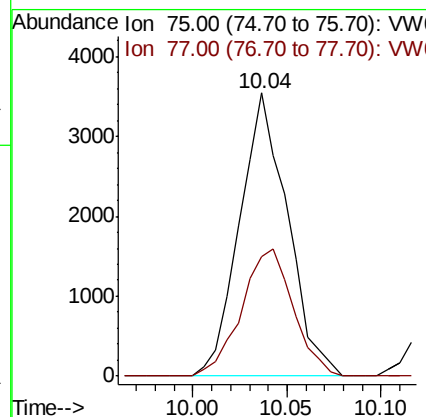
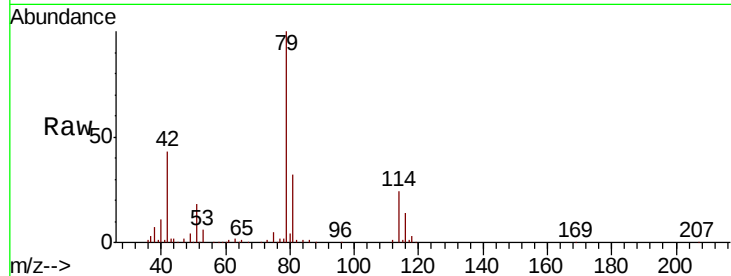




#42
 cis-1,3-Dichloropropene
 Concen: 0.507 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016685.D
 Acq: 29 Sep 2020 14:40

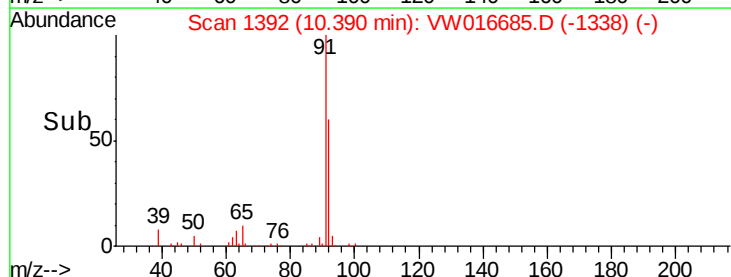
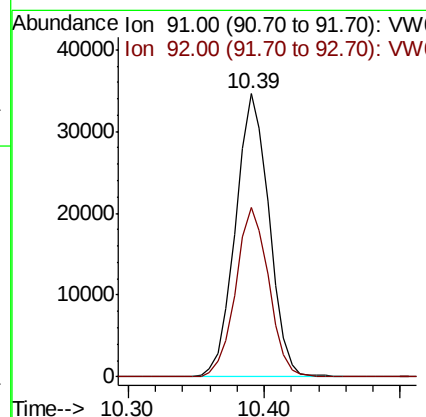
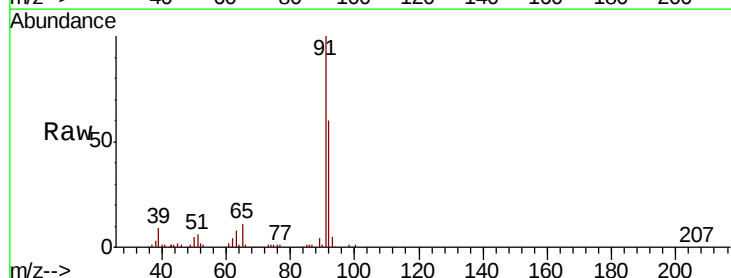
Instrument :
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 ClientSampled :
 C0AL2

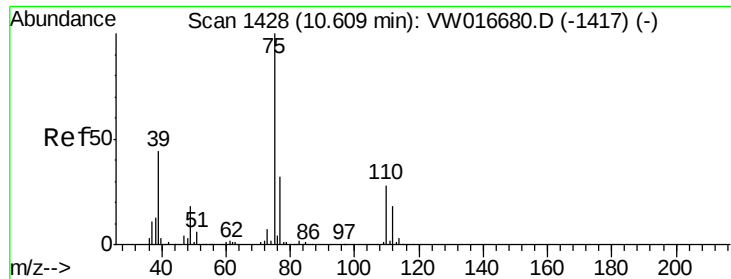
Tot Ion: 75 Resp: 6241
 Ion Ratio Lower Upper
 75 100
 77 42.4 22.2 41.2#



#44
 Toluene
 Concen: 1.706 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW016685.D
 Acq: 29 Sep 2020 14:40

Tgt Ion: 91 Resp: 59474
 Ion Ratio Lower Upper
 91 100
 92 59.7 39.6 73.6





#45

trans-1,3-Dichloropropene

Concen: 0.364 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016685.D

Acq: 29 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampled :

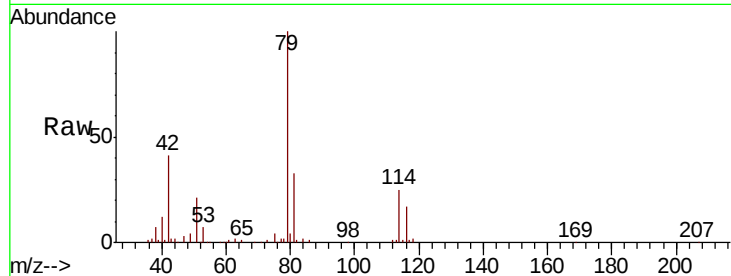
C0AL2

Tot Ion: 75 Resp: 3904

Ion Ratio Lower Upper

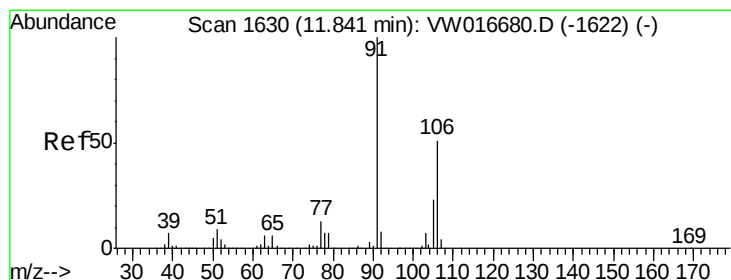
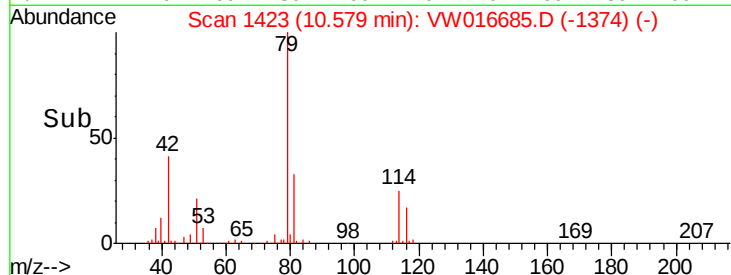
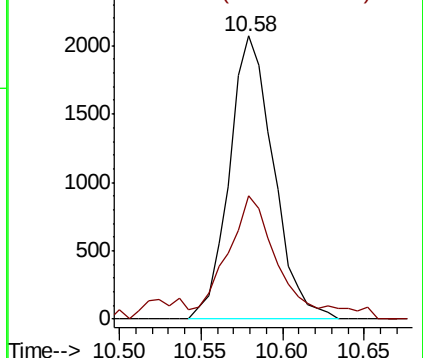
75 100

77 43.5 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#54

m,p-Xylene

Concen: 0.346 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW016685.D

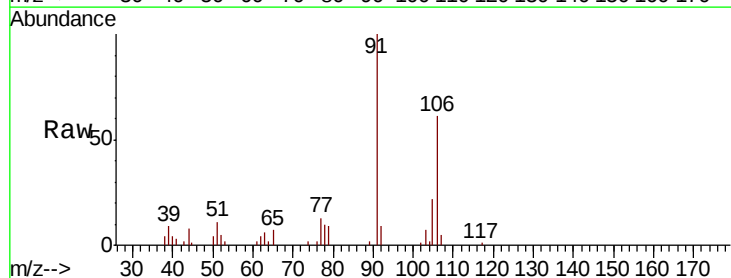
Acq: 29 Sep 2020 14:40

Tgt Ion: 106 Resp: 5364

Ion Ratio Lower Upper

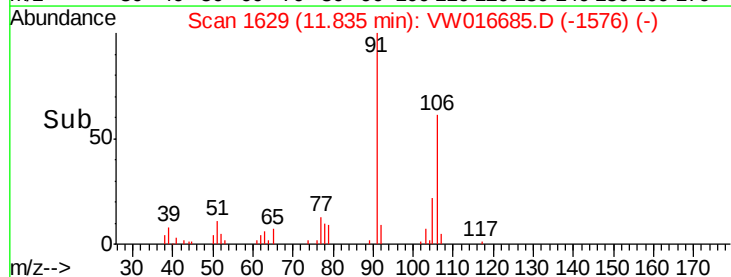
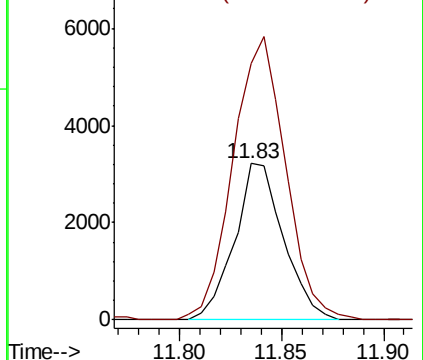
106 100

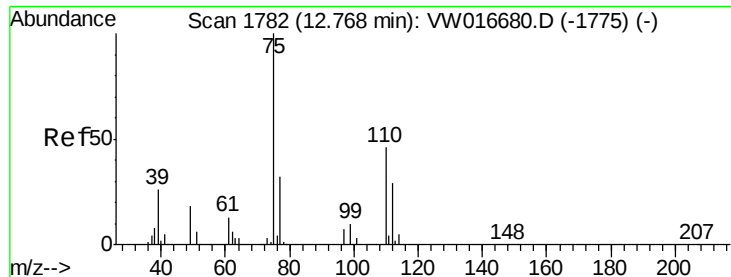
91 163.9 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

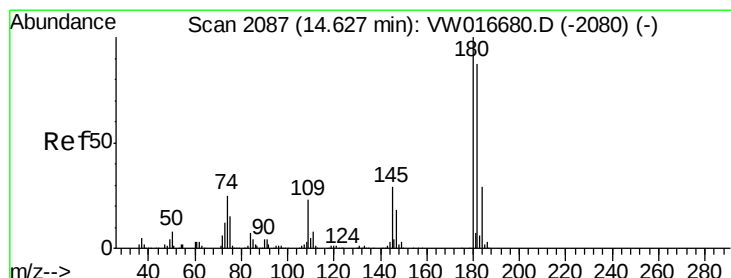
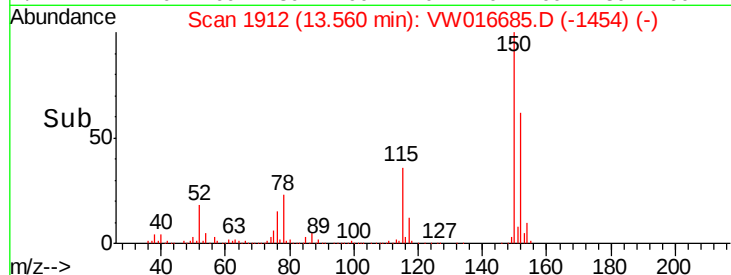
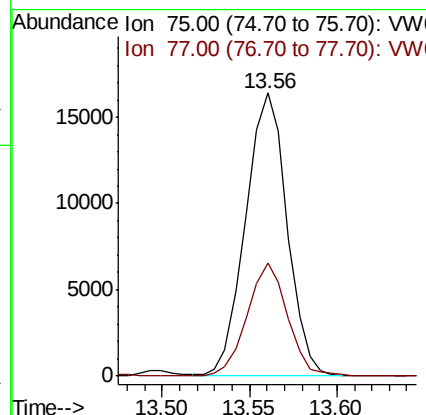
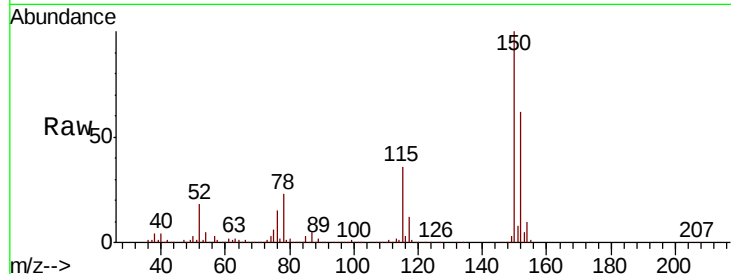




#59
 1,2,3-Trichloropropane
 Concen: 5.359 ug/L
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.79 min
 Lab File: VW016685.D
 Acq: 29 Sep 2020 14:40

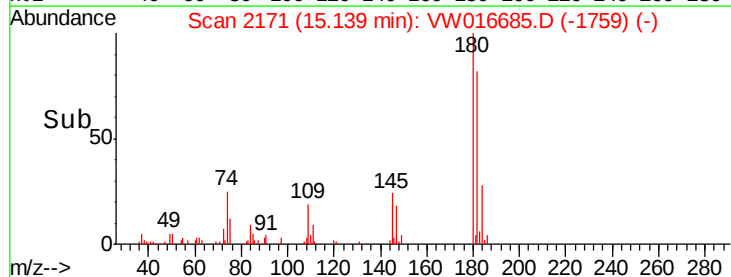
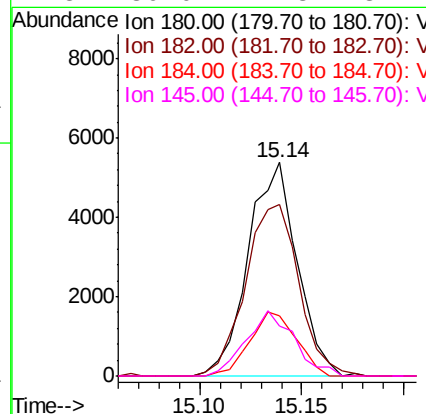
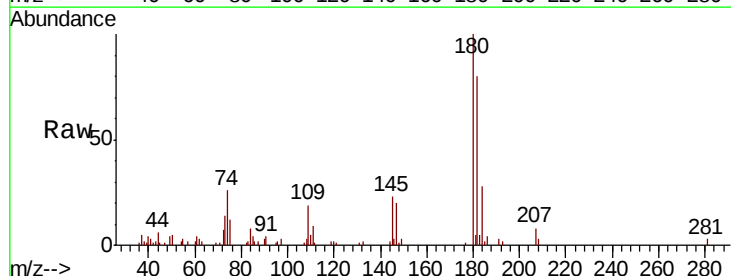
Instrument :
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 C0AL2

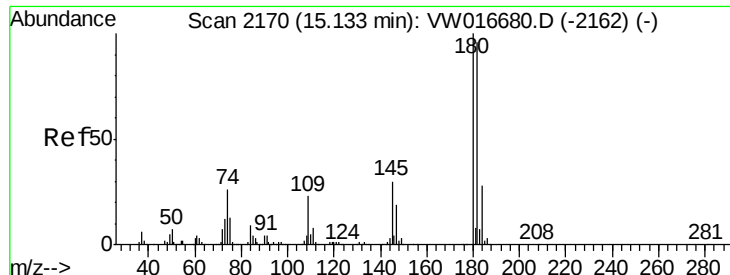
Tot Ion: 75 Resp: 27108
 Ion Ratio Lower Upper
 75 100
 77 38.9 26.2 39.4



#67
 1,3,5-Trichlorobenzene
 Concen: 0.710 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.51 min
 Lab File: VW016685.D
 Acq: 29 Sep 2020 14:40

Tgt Ion:180 Resp: 8927
 Ion Ratio Lower Upper
 180 100
 182 87.6 73.8 110.8
 184 28.8 23.7 35.5
 145 30.0 22.8 34.2

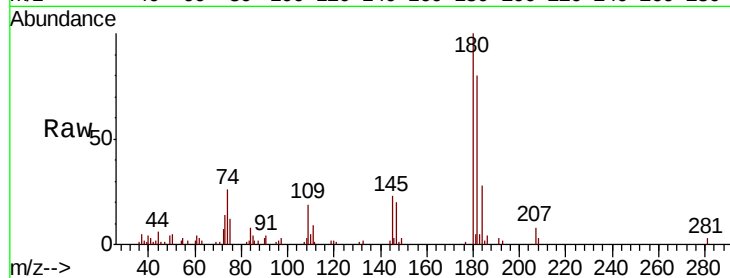




#68
 1,2,4-trichlorobenzene
 Concen: 0.878 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016685.D
 Acq: 29 Sep 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AL2

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.6	74.5	111.7
145	30.0	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

