

Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

Quant Time: Sep 24 07:44:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 07:38:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	793972	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.91	117	693614	25.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.30	152	240329	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	276409	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.76%
7) Chloroethane-d5	1.58	69	236372	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
10) 1,1-Dichloroethene-d2	2.13	63	361917	17.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.68%
20) 2-Butanone-d5	3.94	46	180311	42.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.78%
24) Chloroform-d	4.40	84	467975	21.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.84%
26) 1,2-Dichloroethane-d4	5.08	65	266274	21.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.00%
29) Benzene-d6	5.10	84	963696	24.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.52%
33) 1,2-Dichloropropane-d6	6.12	67	296574	24.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.72%
37) Toluene-d8	7.37	98	792934	22.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.24%
38) trans-1,3-Dichloropropene-	7.67	79	106964	20.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.24%
39) 2-Hexanone-d5	7.96	63	89	0.04	ug/L	-0.17
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.08%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	260063	22.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	236048	25.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.12%

Target Compounds

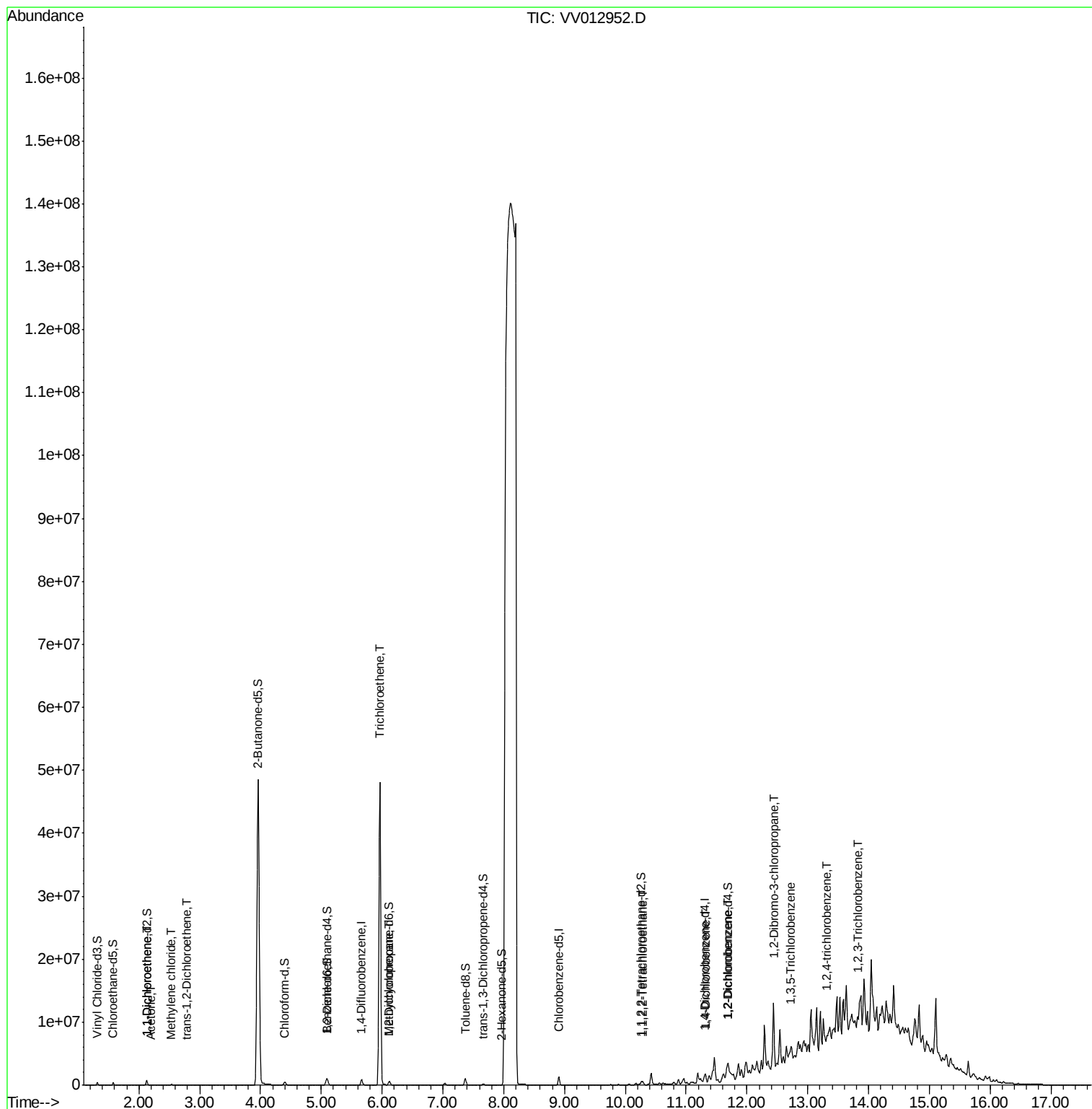
					Qvalue
12) 1,1-Dichloroethene	2.14	96	13080	1.457 ug/L #	1
13) Acetone	2.19	43	29962	6.627 ug/L	99
16) Methylene chloride	2.53	84	43616	3.675 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	16285	1.533 ug/L	97
35) Trichloroethene	5.96	95	16569859	1540.608 ug/L	97
36) Methylcyclohexane	6.12	83	68888	4.172 ug/L #	19
58) 1,1,2,2-Tetrachloroethane	10.29	83	40626	3.853 ug/L #	38
64) 1,4-Dichlorobenzene	11.32	146	512720	33.023 ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	418454	29.656 ug/L #	93
66) 1,2-Dibromo-3-chloropropan	12.44	75	3664	2.929 ug/L #	18
67) 1,3,5-Trichlorobenzene	12.71	180	12670	1.095 ug/L #	37
68) 1,2,4-trichlorobenzene	13.31	180	101865	10.067 ug/L #	23
70) 1,2,3-Trichlorobenzene	13.82	180	299910	30.827 ug/L #	16

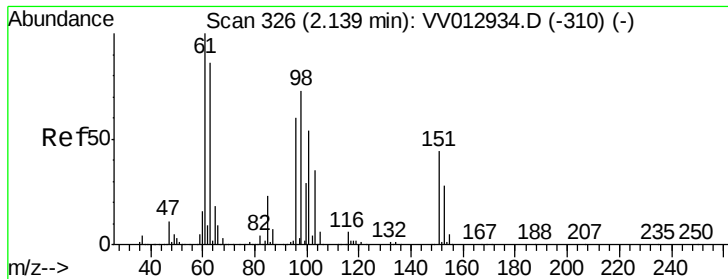
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.457 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012952.D

Acq: 23 Sep 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

BEDK9

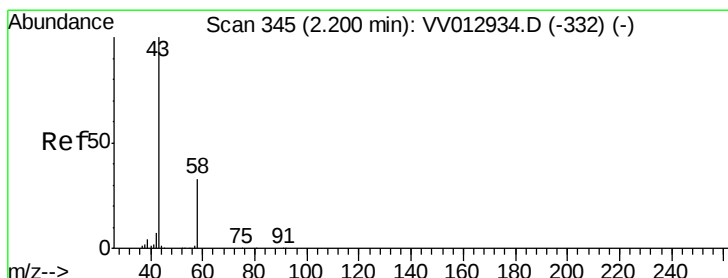
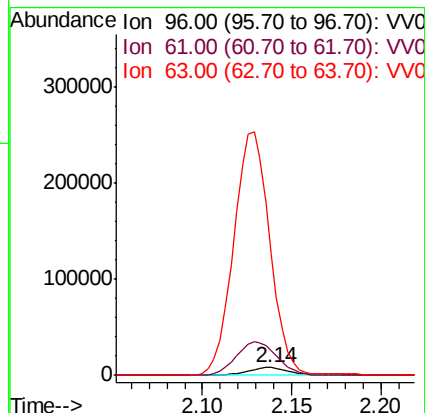
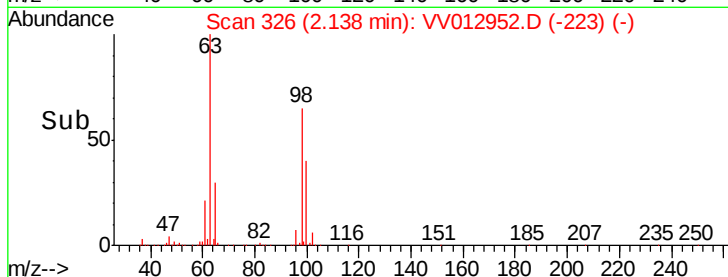
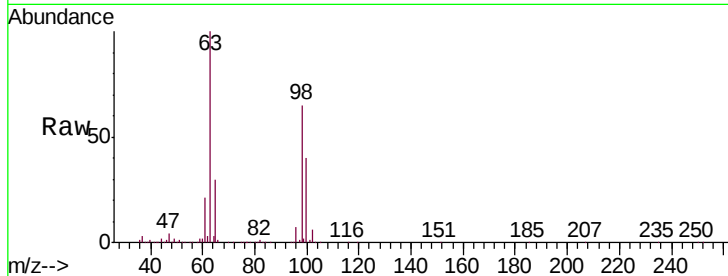
Tgt Ion: 96 Resp: 13080

Ion Ratio Lower Upper

96 100

61 315.0 117.2 217.8#

63 1532.1 89.6 166.4#



#13

Acetone

Concen: 6.627 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV012952.D

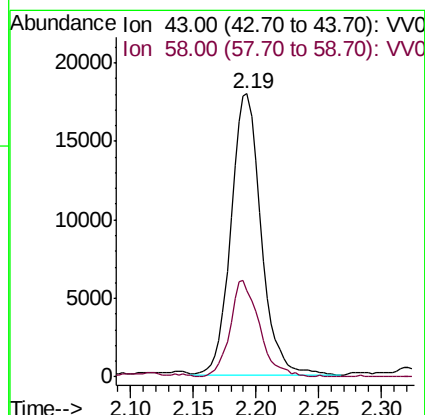
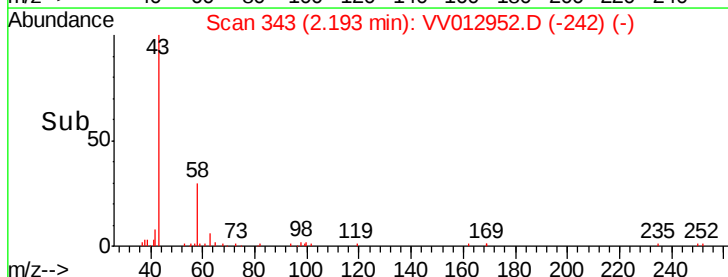
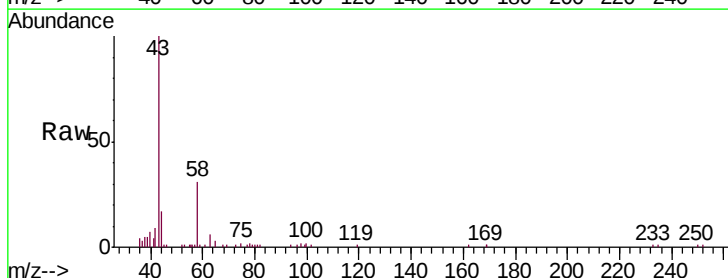
Acq: 23 Sep 2019 22:24

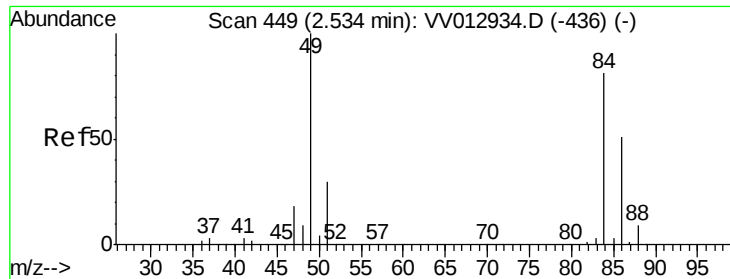
Tgt Ion: 43 Resp: 29962

Ion Ratio Lower Upper

43 100

58 33.3 0.0 65.0

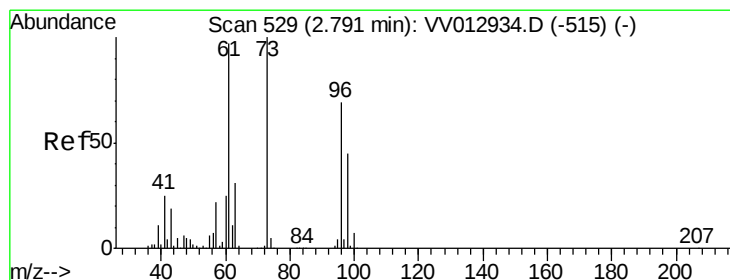
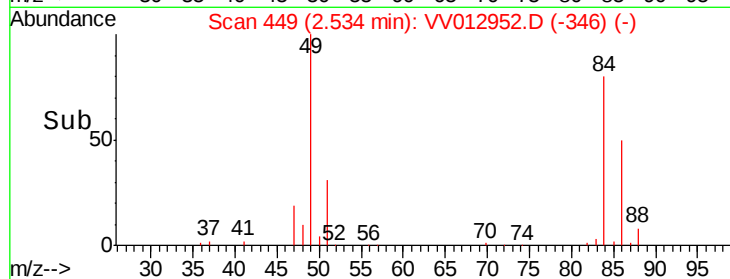
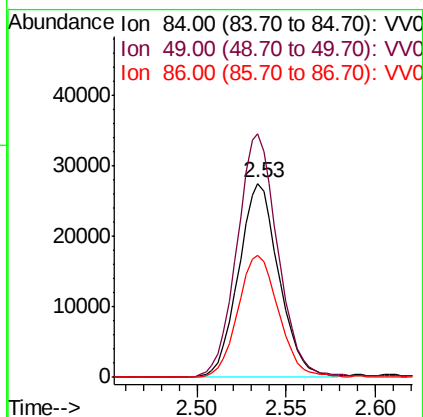
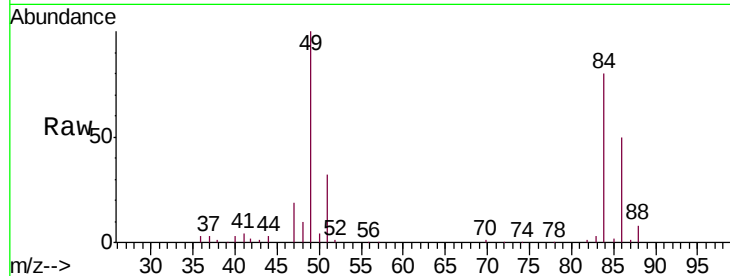




#16
Methylene chloride
Concen: 3.675 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012952.D
Acq: 23 Sep 2019 22:24

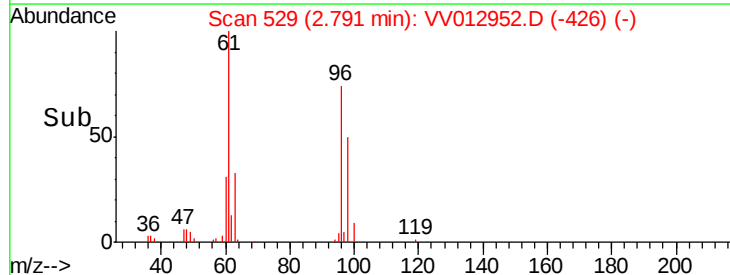
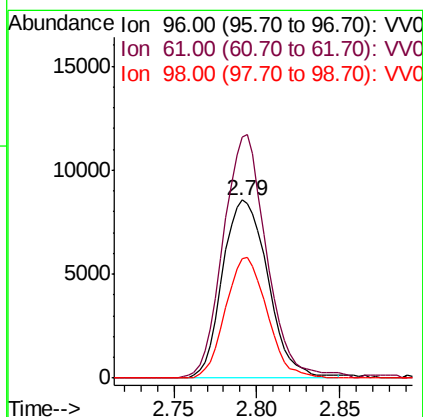
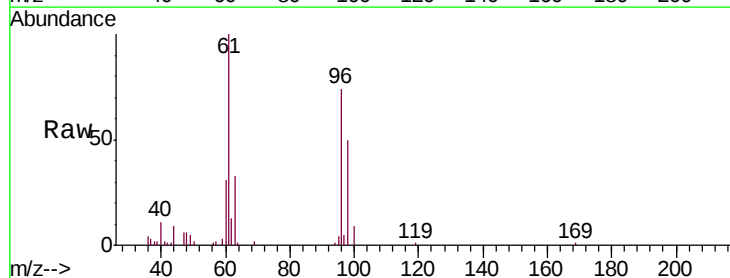
Instrument :
MSVOA_V
ClientSampled :
BEDK9

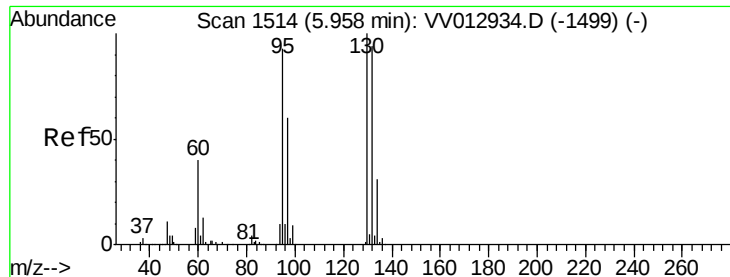
Tgt Ion: 84 Resp: 43616
Ion Ratio Lower Upper
84 100
49 125.5 88.3 164.1
86 62.8 44.9 83.3



#18
trans-1,2-Dichloroethene
Concen: 1.533 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV012952.D
Acq: 23 Sep 2019 22:24

Tgt Ion: 96 Resp: 16285
Ion Ratio Lower Upper
96 100
61 135.7 96.8 179.8
98 67.5 44.8 83.2





#35

Trichloroethene

Concen: 1540.608 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV012952.D

Acq: 23 Sep 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

BEDK9

Tgt Ion: 95 Resp:16569859

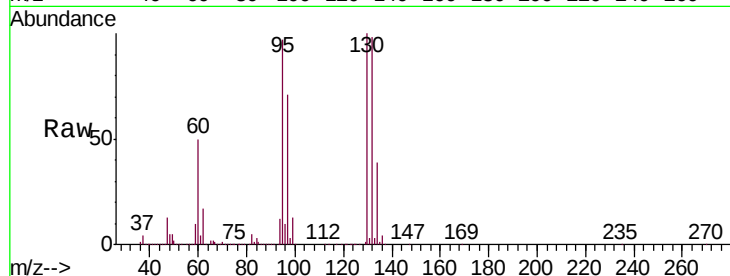
Ion Ratio Lower Upper

95 100

97 69.6 44.7 82.9

132 101.0 70.1 130.1

130 103.5 73.3 136.1

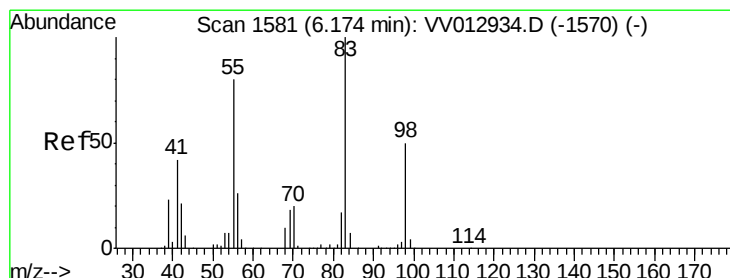
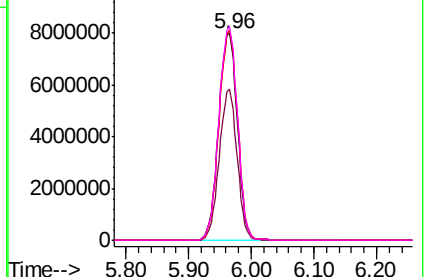
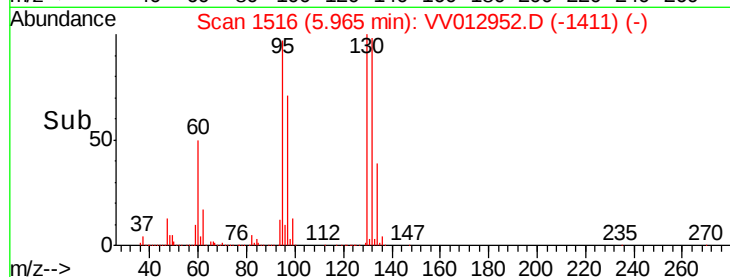


Abundance Ion 95.00 (94.70 to 95.70): VV012934.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV012934.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV012934.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV012934.D (-1499) (-)



#36

Methylcyclohexane

Concen: 4.172 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012952.D

Acq: 23 Sep 2019 22:24

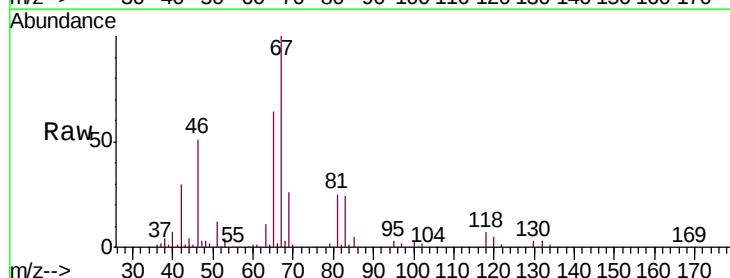
Tgt Ion: 83 Resp: 68888

Ion Ratio Lower Upper

83 100

55 0.7 61.8 92.8#

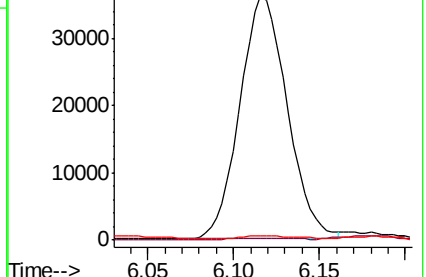
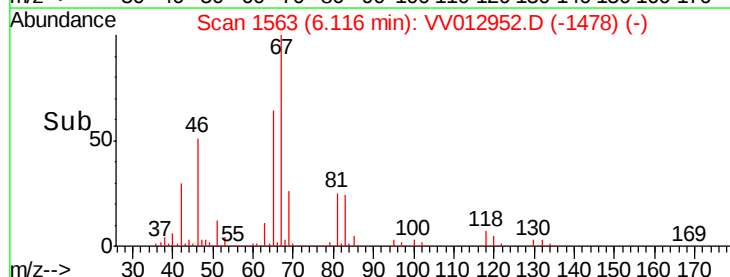
98 1.1 39.3 58.9#

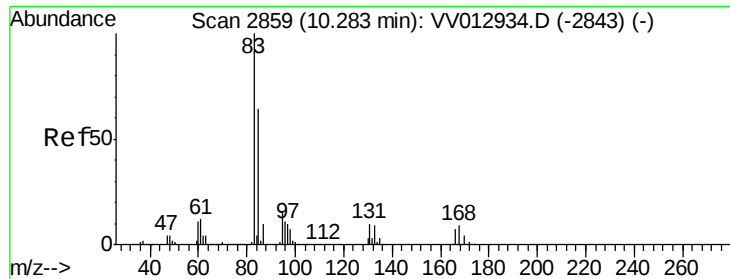


Abundance Ion 83.00 (82.70 to 83.70): VV012934.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV012934.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV012934.D (-1570) (-)





#58

1,1,2,2-Tetrachloroethane

Concen: 3.853 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.01 min

Lab File: VV012952.D

Acq: 23 Sep 2019 22:24

Instrument :

MSVOA_V

ClientSampled :

BEDK9

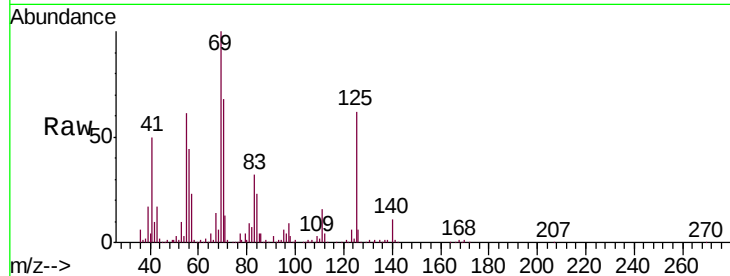
Tgt Ion: 83 Resp: 40626

Ion Ratio Lower Upper

83 100

85 11.3 45.4 84.2#

131 1.9 8.2 12.2#

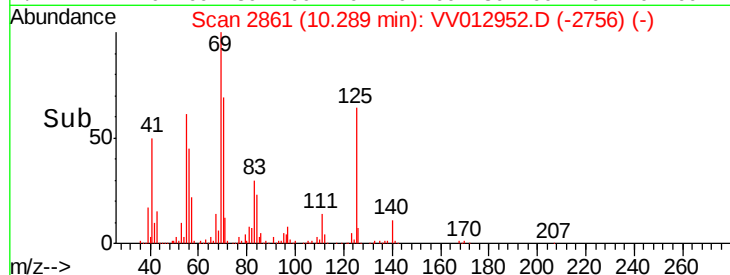


Abundance Ion 83.00 (82.70 to 83.70): VV012934.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VV012934.D (-2843) (-)

Ion 131.00 (130.70 to 131.70): VV012934.D (-2843) (-)

Time-->

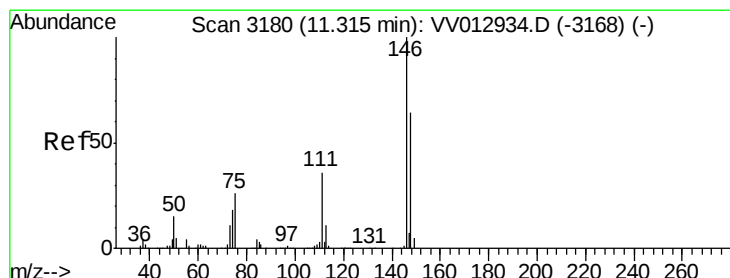


Abundance Ion 83.00 (82.70 to 83.70): VV012952.D (-2756) (-)

Ion 85.00 (84.70 to 85.70): VV012952.D (-2756) (-)

Ion 131.00 (130.70 to 131.70): VV012952.D (-2756) (-)

Time-->



#64

1,4-Dichlorobenzene

Concen: 33.023 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012952.D

Acq: 23 Sep 2019 22:24

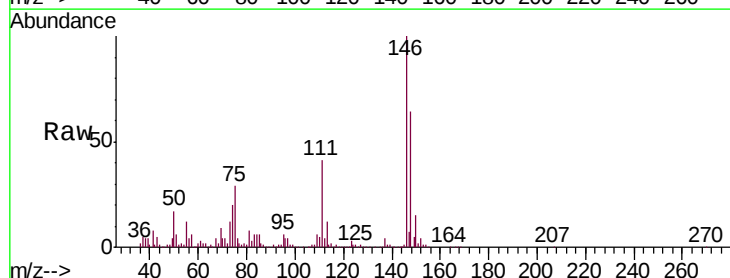
Tgt Ion: 146 Resp: 512720

Ion Ratio Lower Upper

146 100

111 40.8 25.5 47.3

148 64.3 45.1 83.9

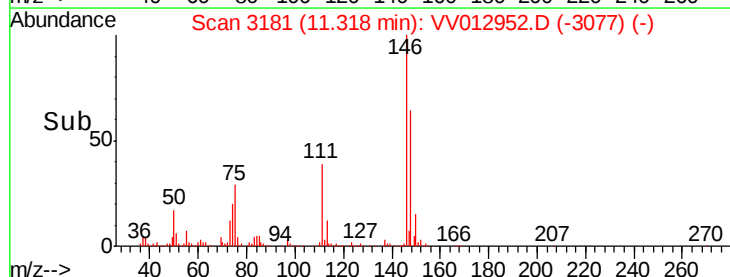


Abundance Ion 146.00 (145.70 to 146.70): VV012934.D (-3168) (-)

Ion 111.00 (110.70 to 111.70): VV012934.D (-3168) (-)

Ion 148.00 (147.70 to 148.70): VV012934.D (-3168) (-)

Time-->

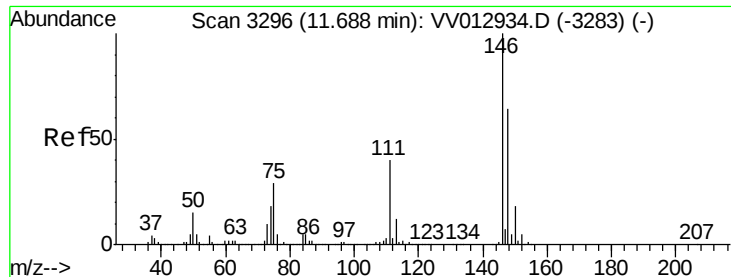


Abundance Ion 146.00 (145.70 to 146.70): VV012952.D (-3077) (-)

Ion 111.00 (110.70 to 111.70): VV012952.D (-3077) (-)

Ion 148.00 (147.70 to 148.70): VV012952.D (-3077) (-)

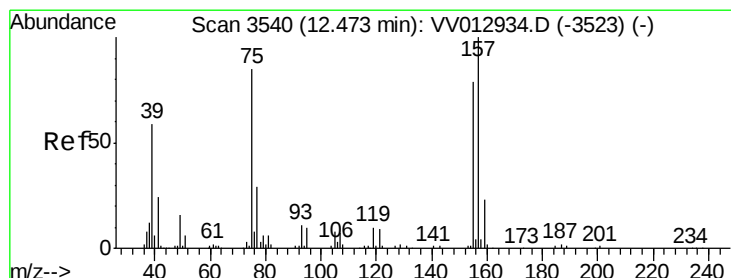
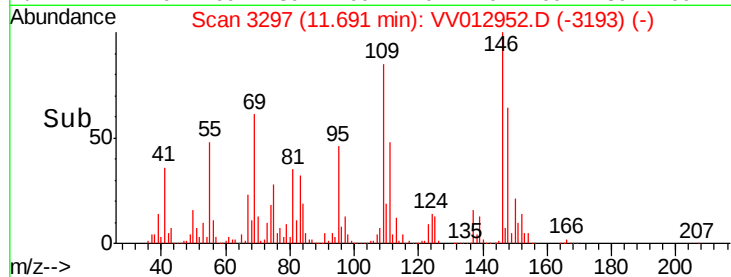
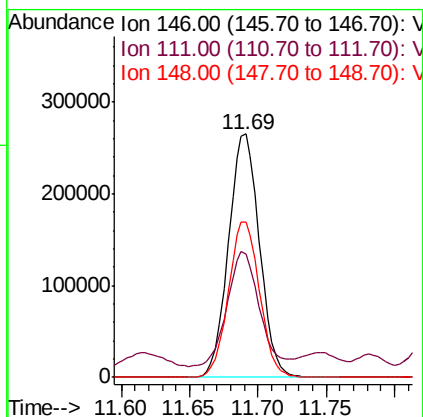
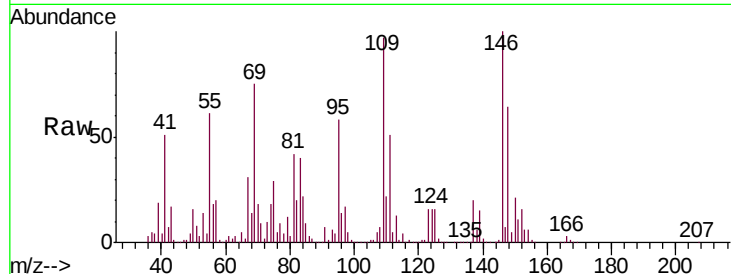
Time-->



#65
 1,2-Dichlorobenzene
 Concen: 29.656 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012952.D
 Acq: 23 Sep 2019 22:24

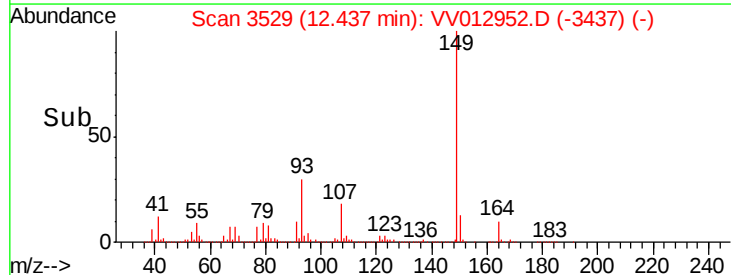
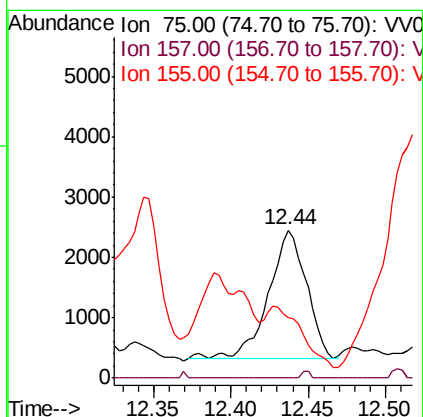
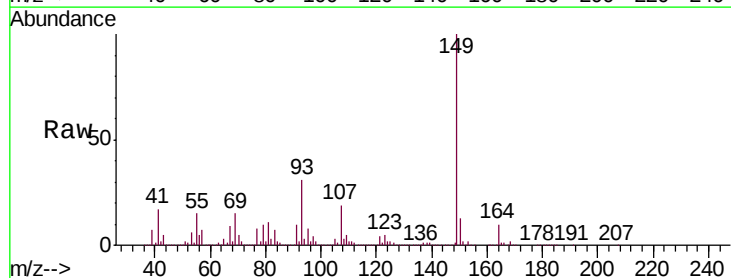
Instrument :
 MSVOA_V
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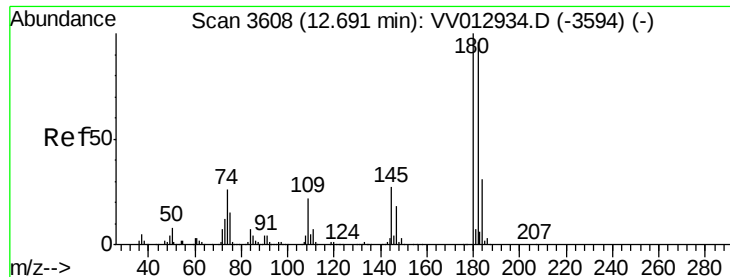
Tgt Ion: 146 Resp: 418454
 Ion Ratio Lower Upper
 146 100
 111 50.7 31.9 47.9#
 148 64.0 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.929 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. -0.04 min
 Lab File: VV012952.D
 Acq: 23 Sep 2019 22:24

Tgt Ion: 75 Resp: 3664
 Ion Ratio Lower Upper
 75 100
 157 0.0 91.7 137.5#
 155 40.5 70.8 106.2#

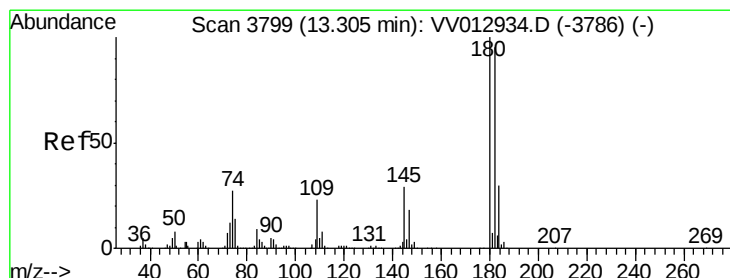
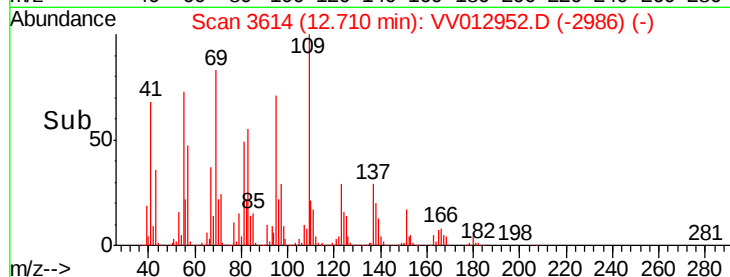
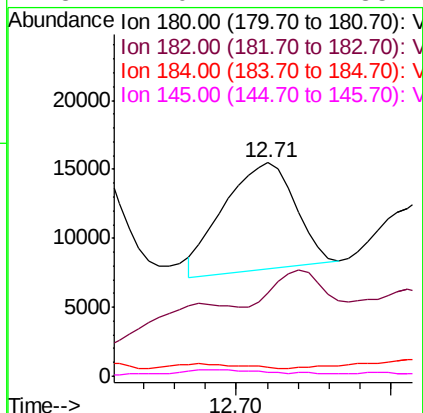
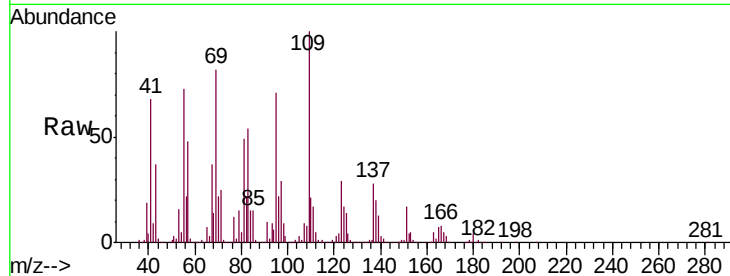




#67
 1,3,5-Trichlorobenzene
 Concen: 1.095 ug/L
 RT: 12.71 min Scan# 3614
 Delta R.T. 0.02 min
 Lab File: VV012952.D
 Acq: 23 Sep 2019 22:24

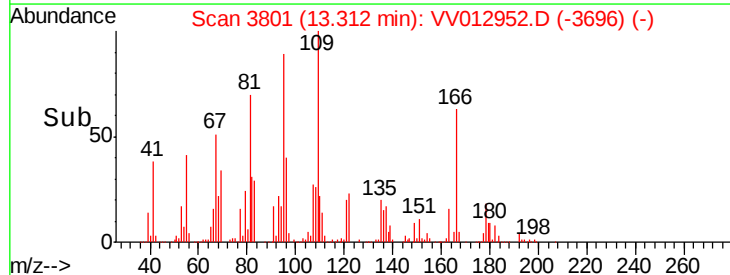
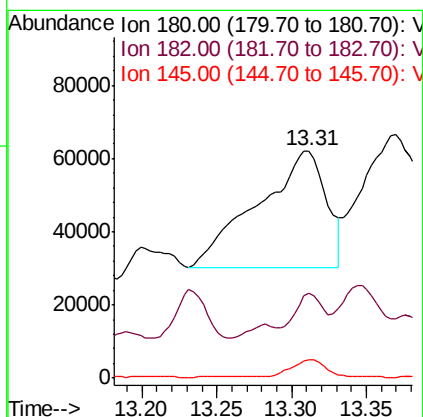
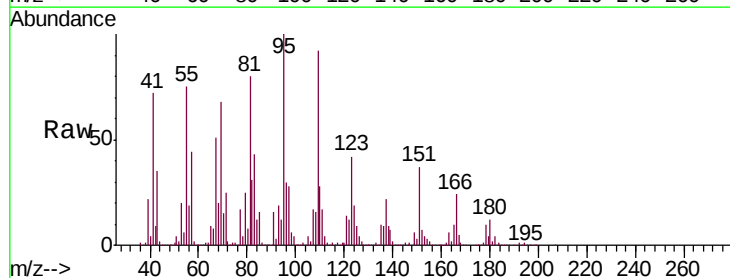
Instrument :
 MSVOA_V
 ClientSampleId :
 BEDK9

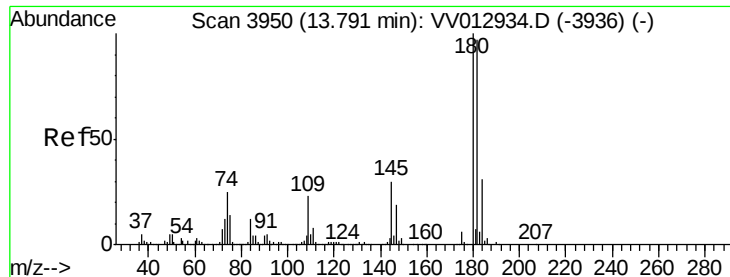
Tgt Ion:180 Resp: 12670
 Ion Ratio Lower Upper
 180 100
 182 24.9 76.4 114.6#
 184 6.5 24.6 37.0#
 145 1.0 22.2 33.4#



#68
 1,2,4-trichlorobenzene
 Concen: 10.067 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: VV012952.D
 Acq: 23 Sep 2019 22:24

Tgt Ion:180 Resp: 101865
 Ion Ratio Lower Upper
 180 100
 182 10.5 76.8 115.2#
 145 7.3 22.6 34.0#





#70
 1,2,3-Trichlorobenzene
 Concen: 30.827 ug/L
 RT: 13.82 min Scan# 3958
 Delta R.T. 0.03 min
 Lab File: VV012952.D
 Acq: 23 Sep 2019 22:24

Instrument :
 MSVOA_V
 ClientSampleId :
 BEDK9

Tgt Ion:180 Resp: 299910
 Ion Ratio Lower Upper
 180 100
 182 5.4 77.4 116.2#
 145 0.6 23.9 35.9#

