

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015187.D
 Acq On : 27 Mar 2020 00:14
 Operator : SY/MD
 Sample : L1976-03MSD
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 03:41:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 03:08:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	449282	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	399880	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	152119	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123188	51.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	131741	54.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.42%
11) 1,1-Dichloroethene-d2	2.12	63	231960	42.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.40%
21) 2-Butanone-d5	3.93	46	259944	108.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.31%
24) Chloroform-d	4.38	84	275702	52.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.38%
26) 1,2-Dichloroethane-d4	5.06	65	201135	57.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.34%
32) Benzene-d6	5.08	84	490673	59.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.30%
36) 1,2-Dichloropropane-d6	6.10	67	181113	61.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	122.08%#
41) Toluene-d8	7.34	98	384757	51.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.24%
43) trans-1,3-Dichloropropene-	7.64	79	65751	40.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.38%
47) 2-Hexanone-d5	8.12	63	202007	116.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.44%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	292613	58.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	116.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	152598	53.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.46%

Target Compounds

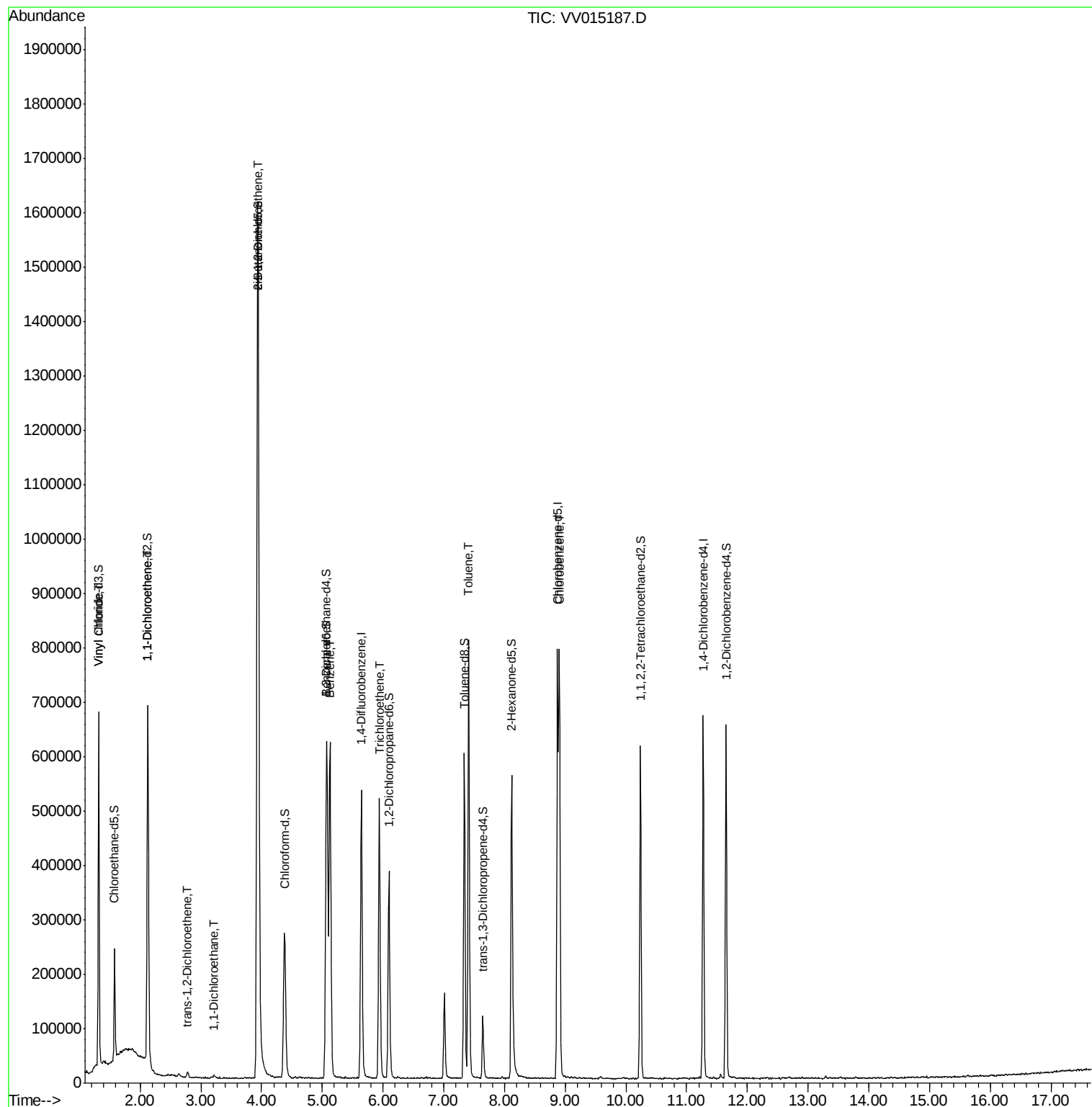
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	283745	64.342	ug/L	98
12) 1,1-Dichloroethene	2.13	96	133216	36.764	ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	3642	1.157	ug/L	88
19) 1,1-Dichloroethane	3.22	63	4992	0.858	ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	835807	238.263	ug/L #	98
33) Benzene	5.13	78	617645	51.881	ug/L	100
34) Trichloroethene	5.94	95	180972	58.355	ug/L	98
42) Toluene	7.41	91	582859	43.885	ug/L	100
51) Chlorobenzene	8.90	112	394866	46.545	ug/L	97

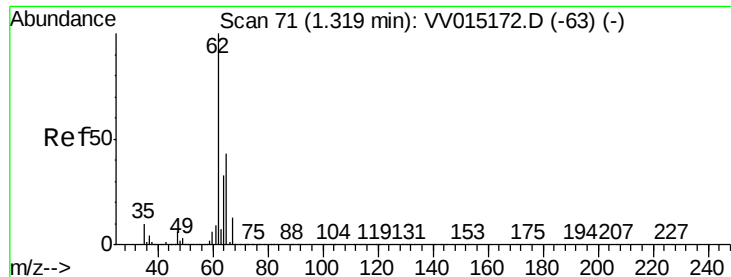
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 03:08:32 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 64.342 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015187.D

Acq: 27 Mar 2020 00:14

Instrument :

MSVOA_V

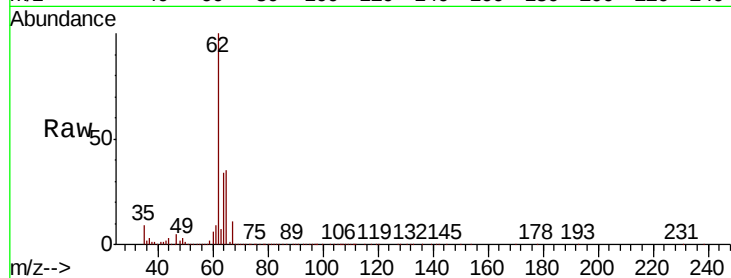
ClientSampleId :

Tot Ion: 62 Resp: 283745

Ion Ratio Lower Upper

62 100

64 33.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

300000

250000

200000

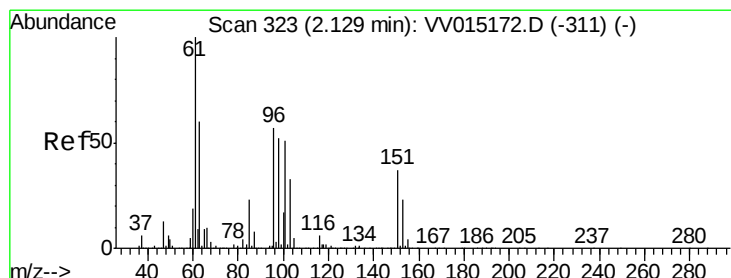
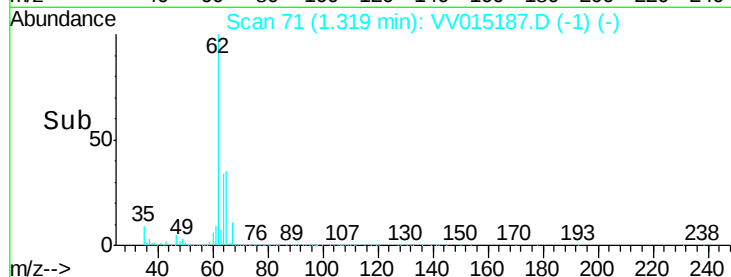
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 36.764 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015187.D

Acq: 27 Mar 2020 00:14

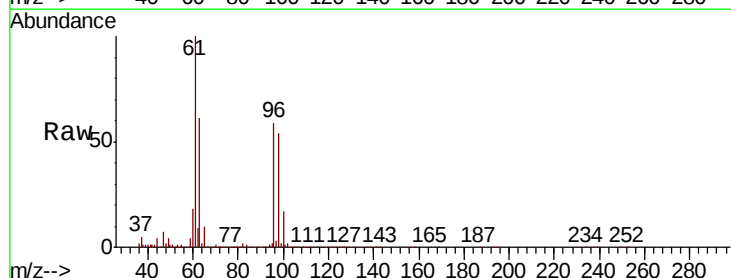
Tgt Ion: 96 Resp: 133216

Ion Ratio Lower Upper

96 100

61 170.6 122.3 227.1

63 104.8 67.9 126.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

200000

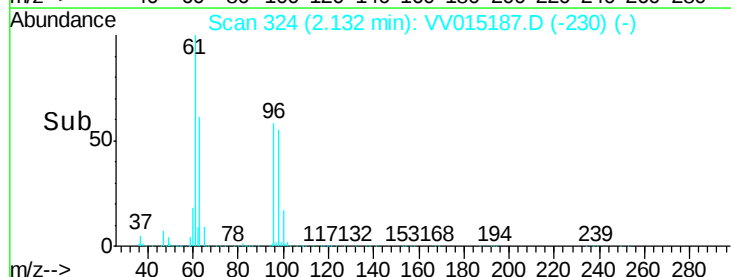
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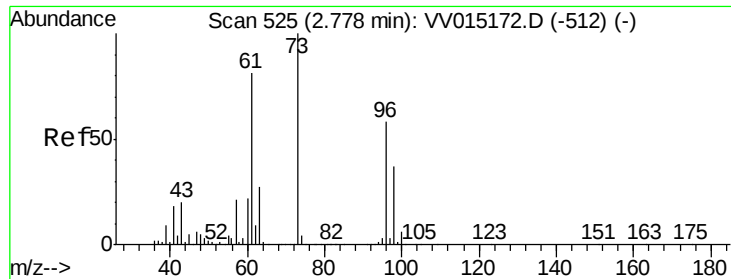
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Time-->

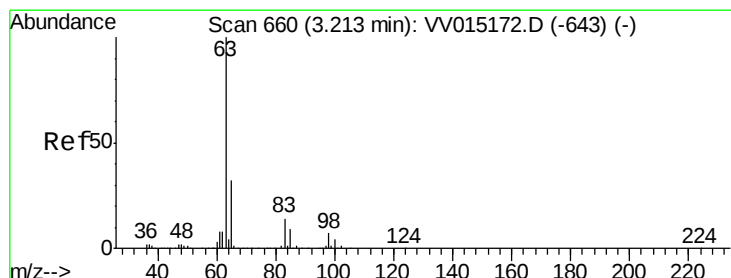
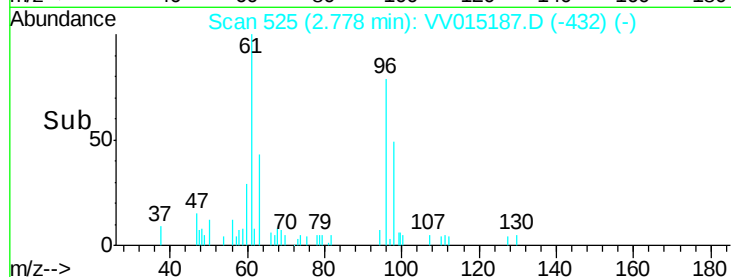
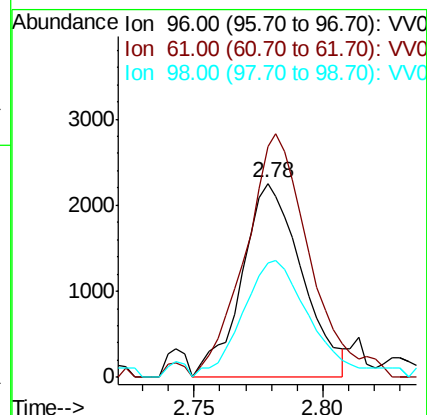
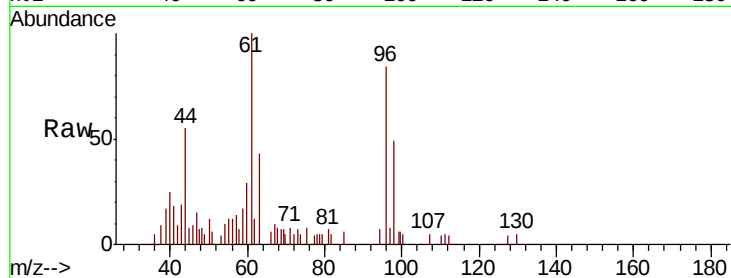




#17
trans-1,2-Dichloroethene
Concen: 1.157 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015187.D
Acq: 27 Mar 2020 00:14

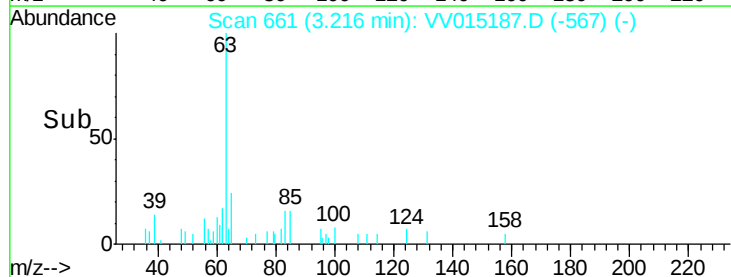
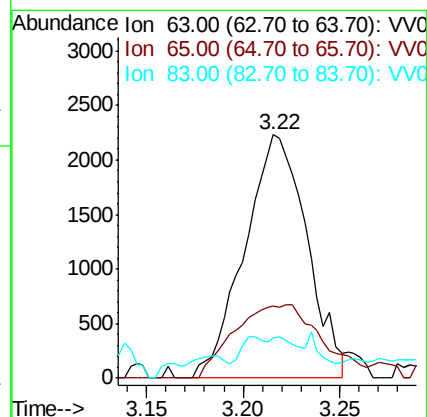
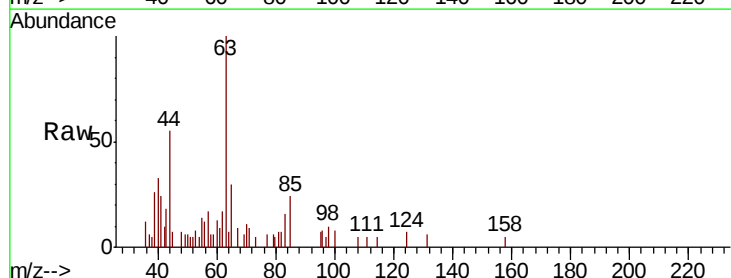
Instrument :
MSVOA_V
ClientSampleId :

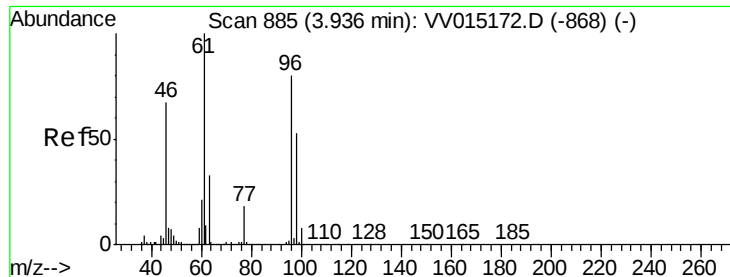
Tot Ion: 96 Resp: 3642
Ion Ratio Lower Upper
96 100
61 118.8 96.4 179.0
98 58.6 43.8 81.4



#19
1,1-Dichloroethane
Concen: 0.858 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.00 min
Lab File: VV015187.D
Acq: 27 Mar 2020 00:14

Tgt Ion: 63 Resp: 4992
Ion Ratio Lower Upper
63 100
65 29.6 22.2 41.2
83 16.3 9.6 17.8



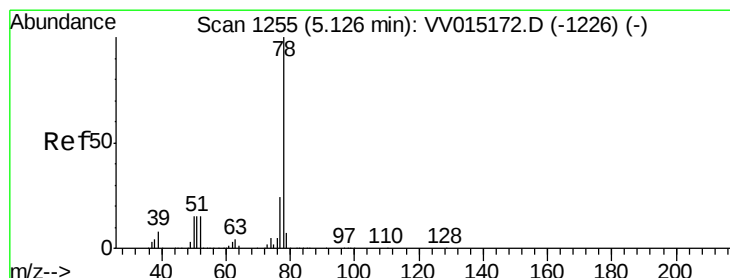
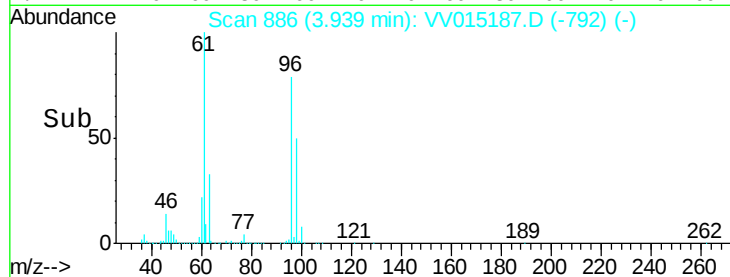
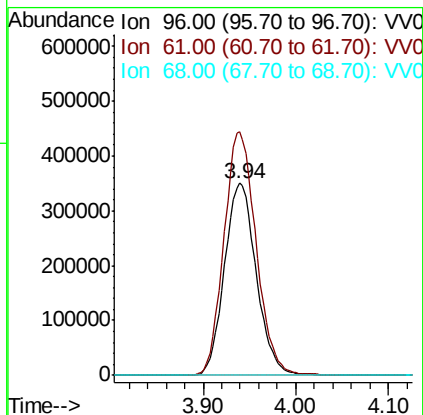
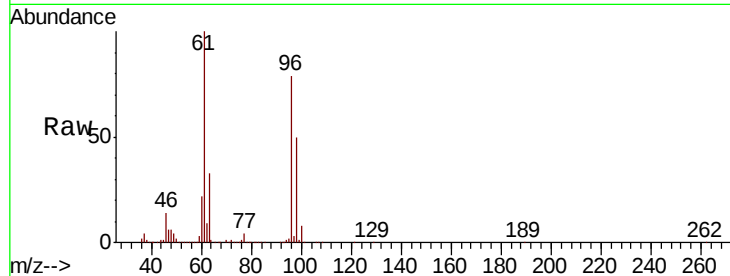


#20

cis-1,2-Dichloroethene
Concen: 238.263 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV015187.D
Acq: 27 Mar 2020 00:14

Instrument :
MSVOA_V
ClientSampleId :

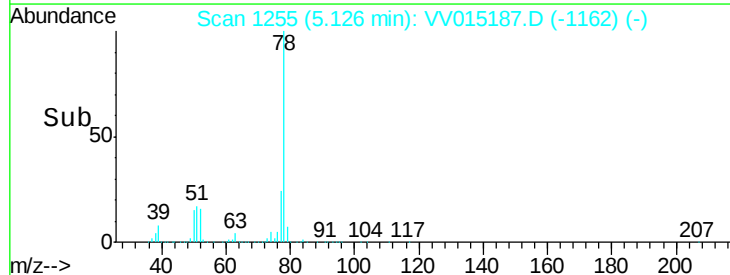
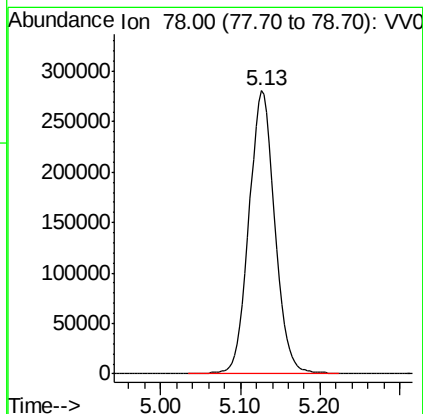
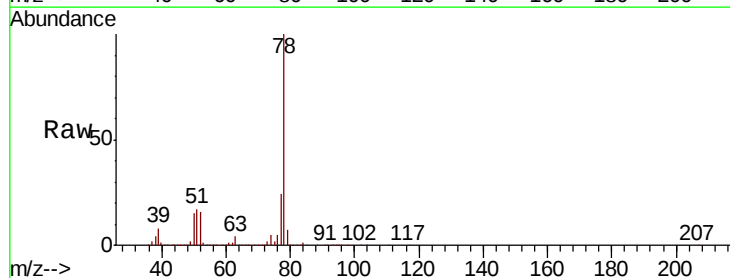
Tot Ion: 96 Resp: 835807
Ion Ratio Lower Upper
96 100
61 127.0 90.2 167.4
68 0.0 0.1 0.3#

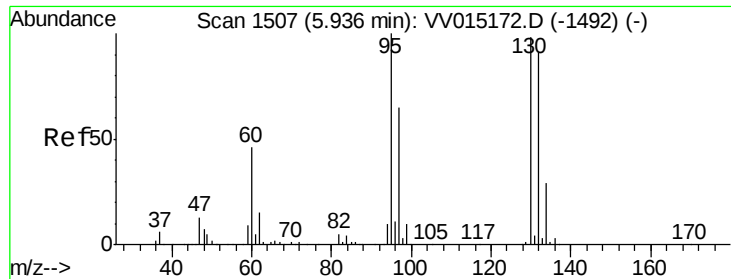


#33

Benzene
Concen: 51.881 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015187.D
Acq: 27 Mar 2020 00:14

Tgt Ion: 78 Resp: 617645

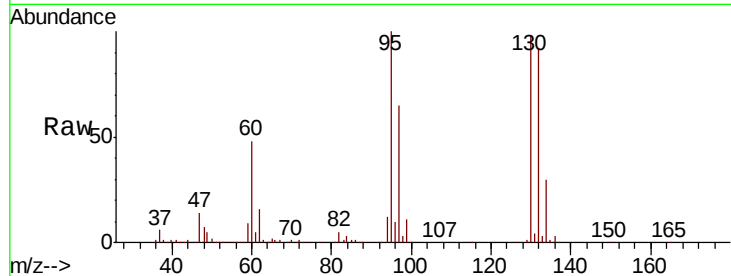




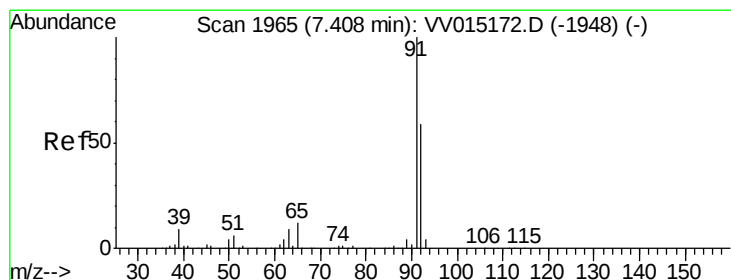
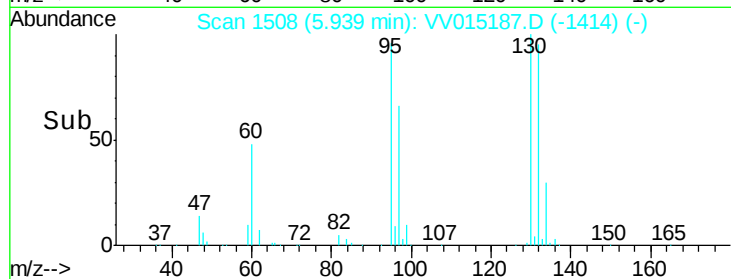
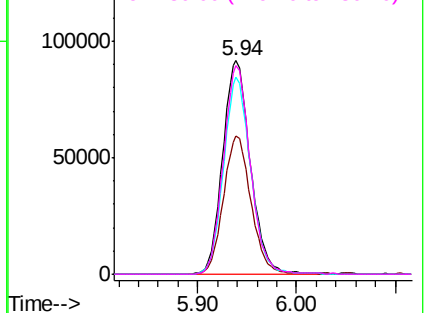
#34
 Trichloroethene
 Concen: 58.355 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015187.D
 Acq: 27 Mar 2020 00:14

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 180972
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.8 83.2
 132 92.3 63.2 117.4
 130 97.7 66.8 124.0

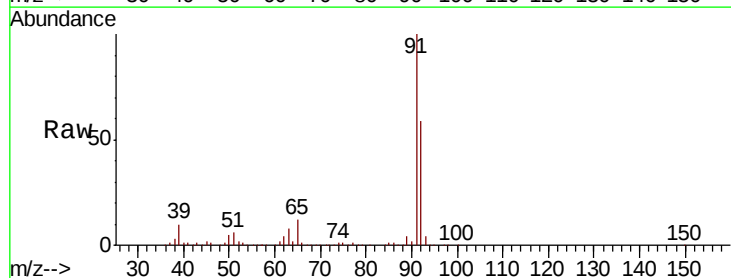


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

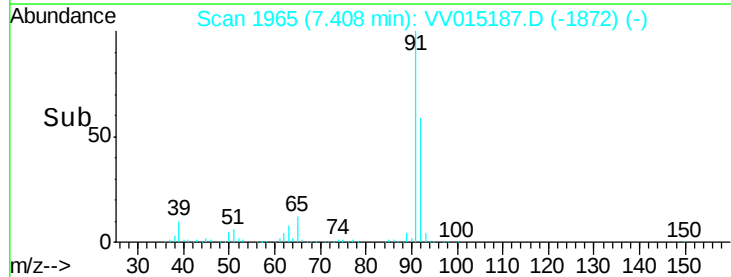
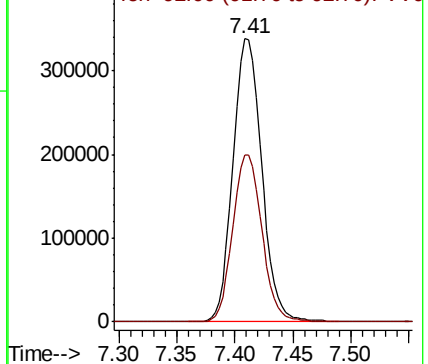


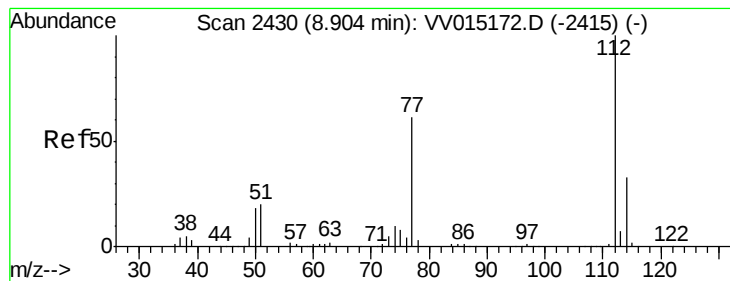
#42
 Toluene
 Concen: 43.885 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV015187.D
 Acq: 27 Mar 2020 00:14

Tgt Ion: 91 Resp: 582859
 Ion Ratio Lower Upper
 91 100
 92 59.0 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV0
 Ion 92.00 (91.70 to 92.70): VV0





#51

Chlorobenzene

Concen: 46.545 ug/L

RT: 8.90 min Scan# 2430

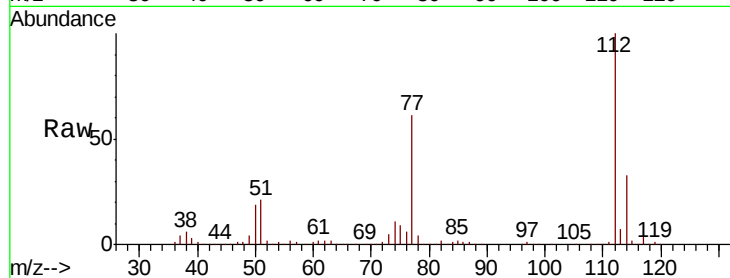
Delta R.T. 0.00 min

Lab File: VV015187.D

Acq: 27 Mar 2020 00:14

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	112	Resp:	394866
Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.1	41.1
77	61.3	47.3	70.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

