

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\
 Data File : VV015683.D
 Acq On : 24 Apr 2020 18:51
 Operator : SY/MD
 Sample : L2370-22MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 25 00:22:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 25 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	126995	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122409	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	58726	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	32737	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.58	69	28614	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.12	63	68147	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	3.91	46	107084	50.25	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.50%
24) Chloroform-d	4.38	84	72297	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.06	65	41813	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.07	84	137961	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.09	67	43866	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.34	98	126407	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.65	79	12139	3.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.20%
46) 2-Hexanone-d5	8.11	63	82790	47.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32351	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	49386	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.22	50	13954	1.483	ug/L #	69
5) Vinyl chloride	1.32	62	316799	31.521	ug/L	98
8) Chloroethane	1.32	64	118256	17.915	ug/L #	44
12) 1,1-Dichloroethene	2.13	96	40187	5.437	ug/L	96
15) Methyl Acetate	2.54	43	32555	9.251	ug/L #	56
18) trans-1,2-Dichloroethene	2.78	96	13589	1.642	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	155164	16.957	ug/L	100
27) 1,2-Dichloroethane	5.13	62	1992	0.176	ug/L #	78
30) Cyclohexane	4.70	56	71363	4.812	ug/L	99
33) Benzene	5.13	78	200999	5.747	ug/L	100
34) Trichloroethene	5.94	95	51781	5.361	ug/L	97
35) Methylcyclohexane	6.15	83	40289	2.718	ug/L	95
39) cis-1,3-Dichloropropene	7.01	75	1155	0.093	ug/L	83
42) Toluene	7.41	91	204748	5.479	ug/L	100
45) 1,1,2-Trichloroethane	7.81	97	1509	0.249	ug/L #	14
48) 2-Hexanone	8.17	43	2369	0.576	ug/L #	86
51) Chlorobenzene	8.90	112	130033	5.312	ug/L	95

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QLast Update : Sat Apr 25 00:15:39 2020
Response via : Initial Calibration

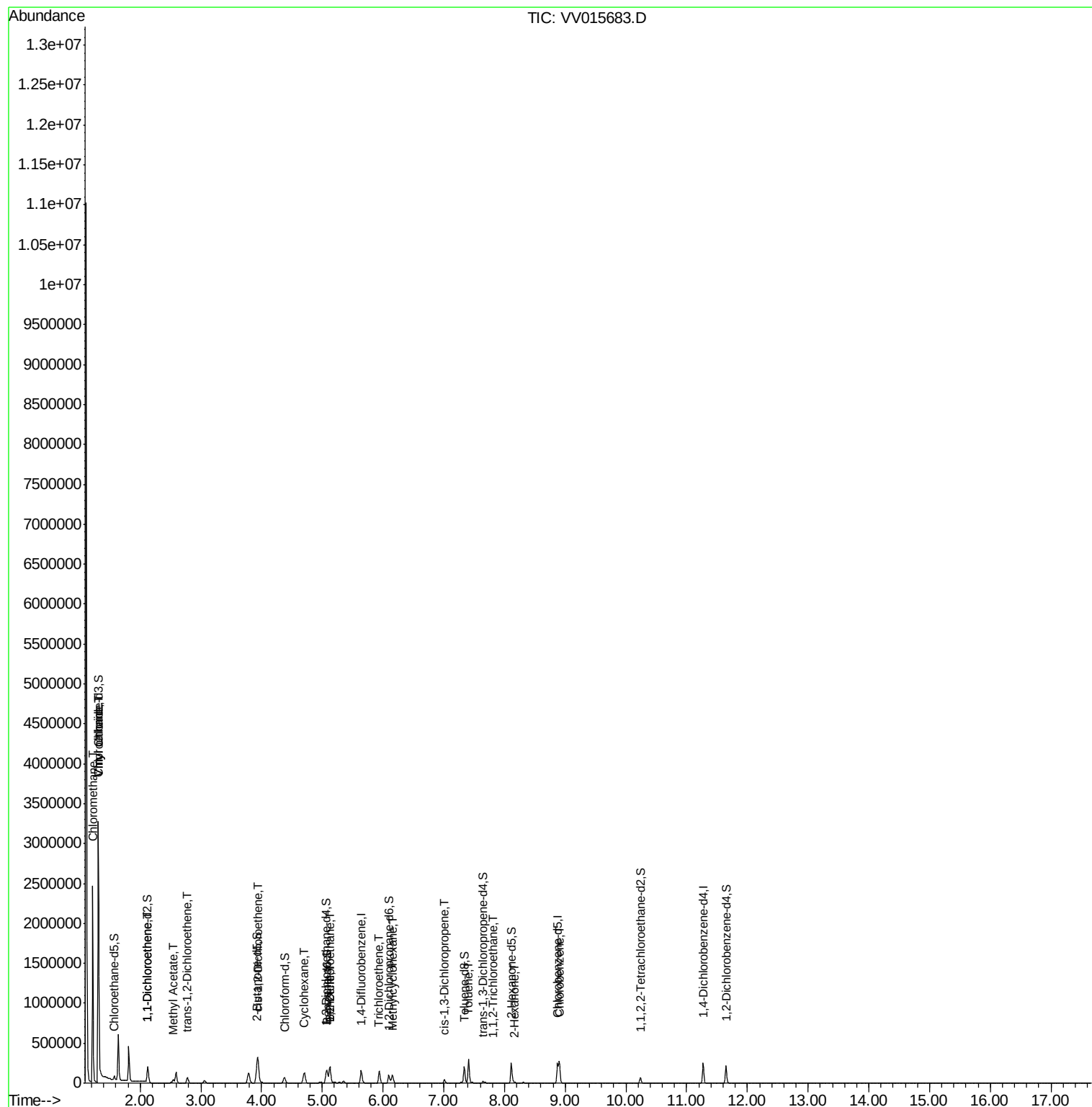
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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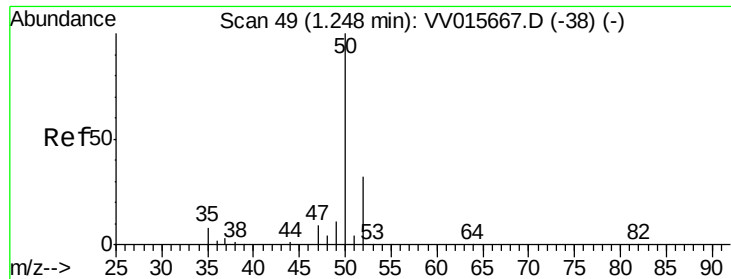
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.483 ug/L

RT: 1.22 min Scan# 40

Delta R.T. -0.03 min

Lab File: VV015683.D

Acq: 24 Apr 2020 18:51

Instrument :

MSVOA_V

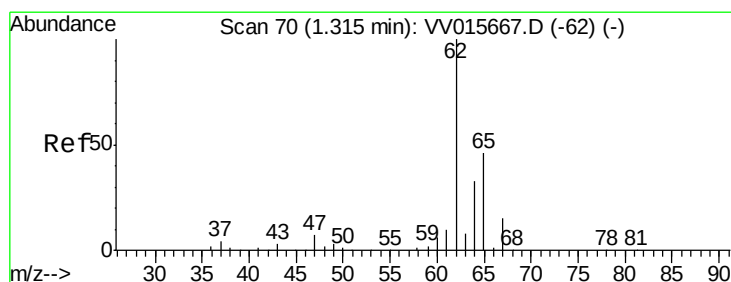
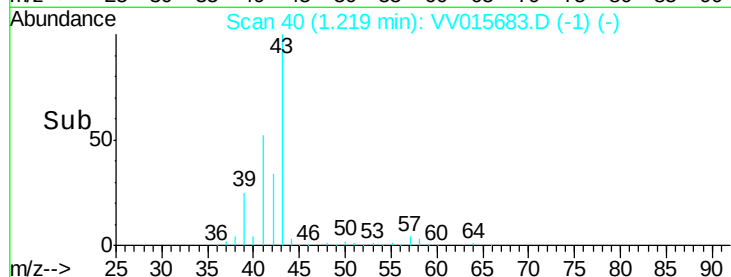
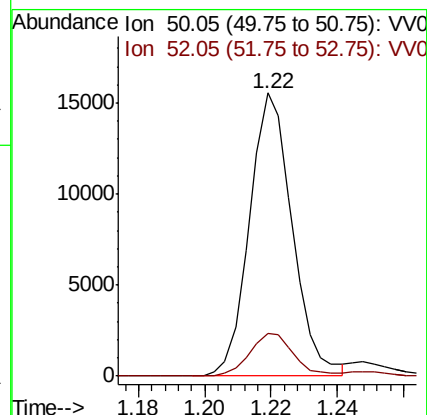
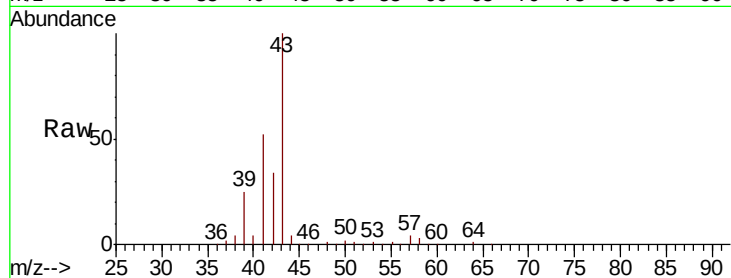
ClientSampleId :

Tot Ion: 50 Resp: 13954

Ion Ratio Lower Upper

50 100

52 15.1 22.9 42.5#



#5

Vinyl chloride

Concen: 31.521 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015683.D

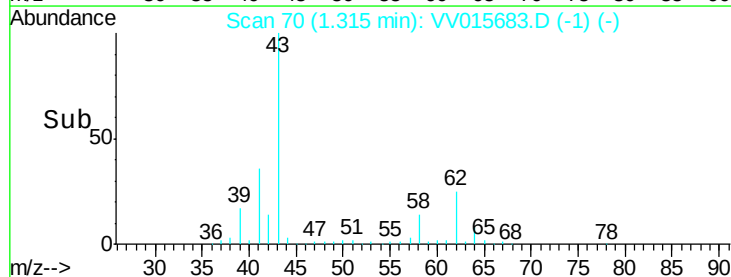
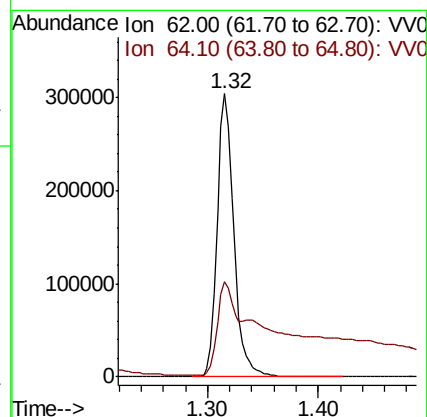
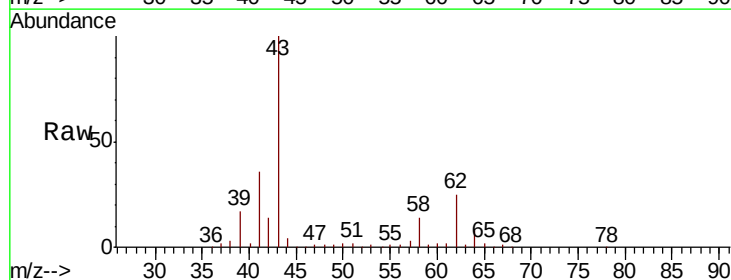
Acq: 24 Apr 2020 18:51

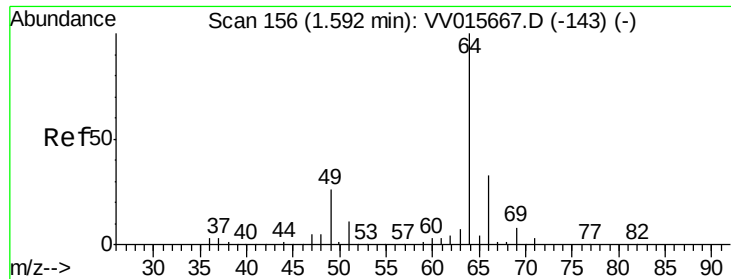
Tgt Ion: 62 Resp: 316799

Ion Ratio Lower Upper

62 100

64 33.7 22.7 42.1

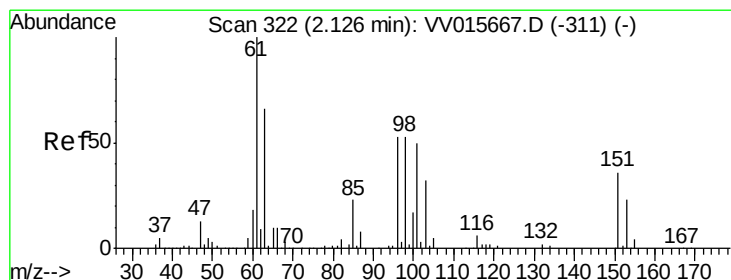
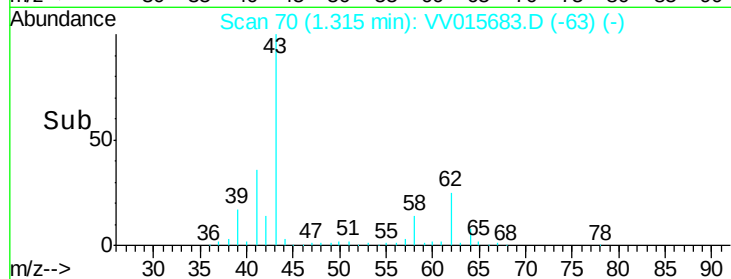
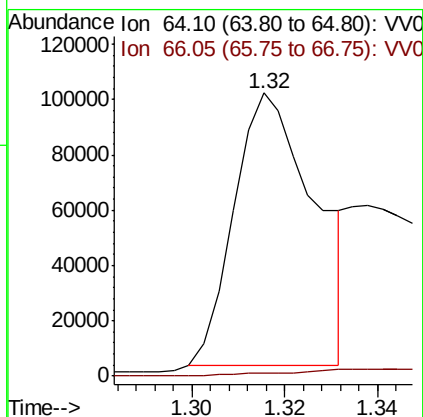
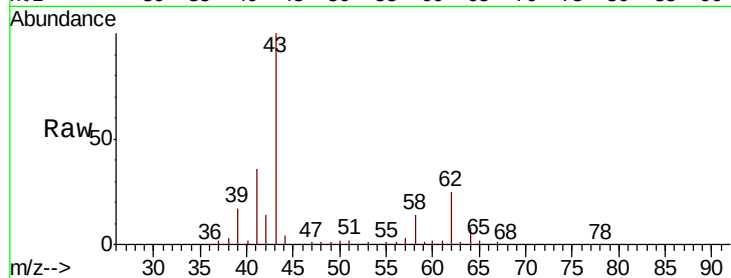




#8
 Chloroethane
 Concen: 17.915 ug/L
 RT: 1.32 min Scan# 70
 Delta R.T. -0.28 min
 Lab File: VV015683.D
 Acq: 24 Apr 2020 18:51

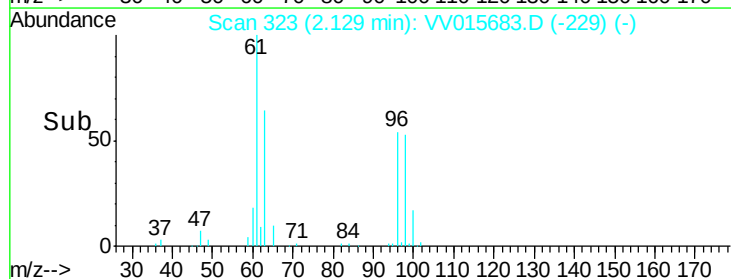
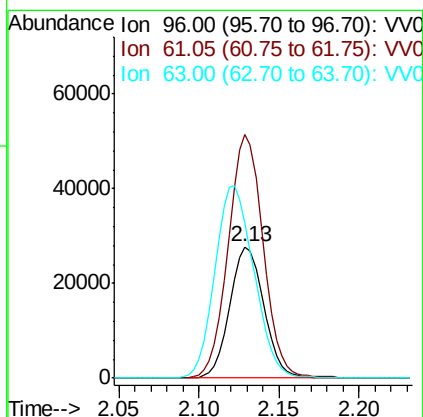
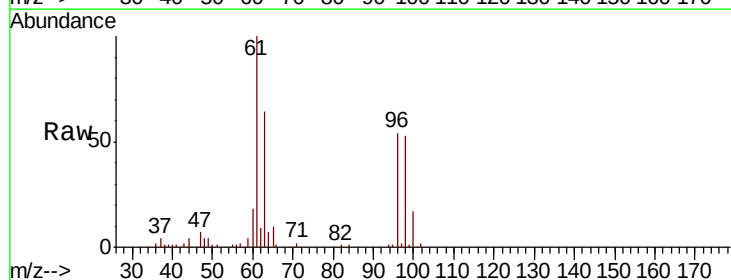
Instrument :
 MSVOA_V
 ClientSampled :

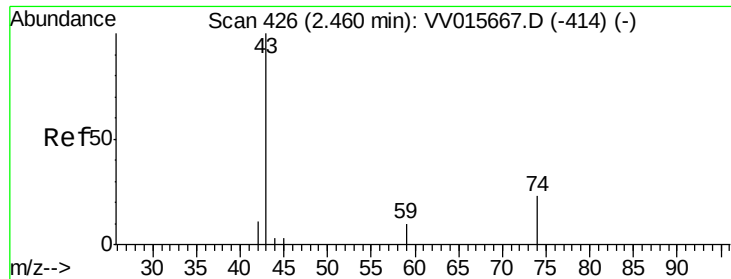
Tot Ion: 64 Resp: 118256
 Ion Ratio Lower Upper
 64 100
 66 0.9 22.3 41.5#



#12
 1,1-Dichloroethene
 Concen: 5.437 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VV015683.D
 Acq: 24 Apr 2020 18:51

Tgt Ion: 96 Resp: 40187
 Ion Ratio Lower Upper
 96 100
 61 185.6 130.1 241.7
 63 118.8 91.4 169.8

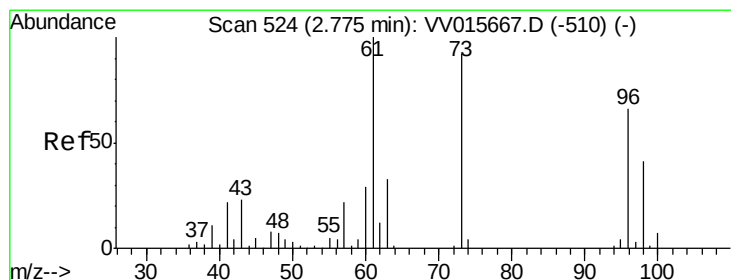
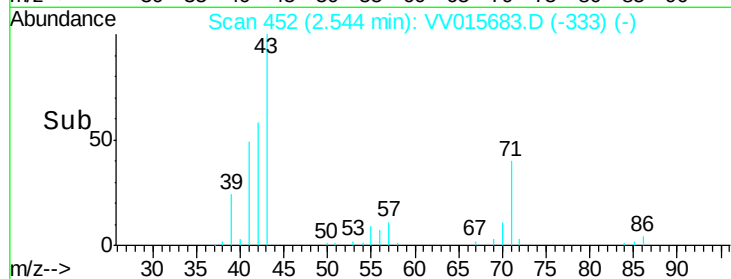
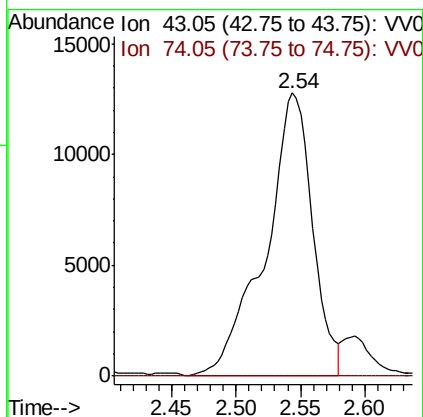
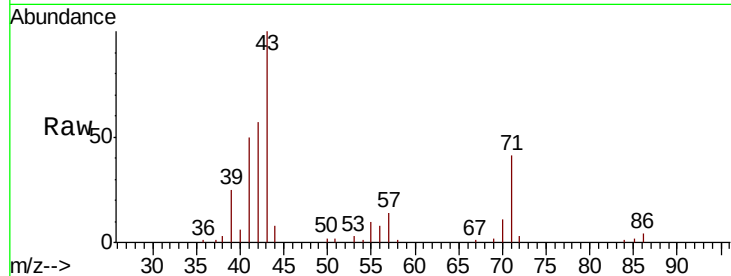




#15
Methvl Acetate
Concen: 9.251 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.08 min
Lab File: VV015683.D
Acq: 24 Apr 2020 18:51

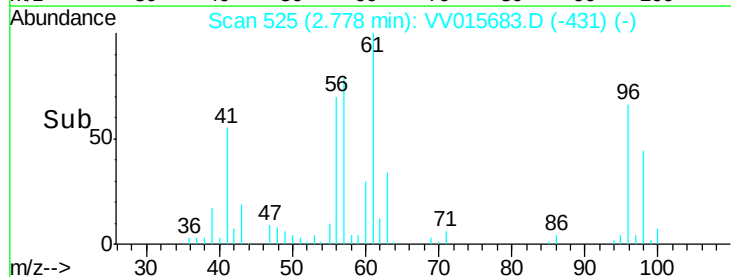
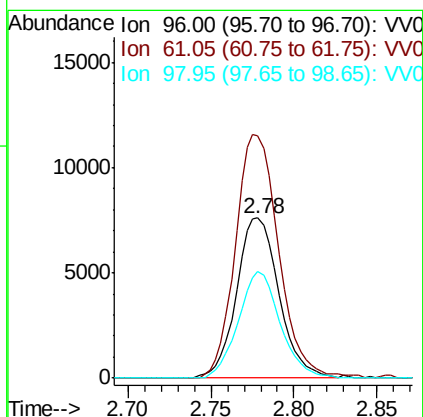
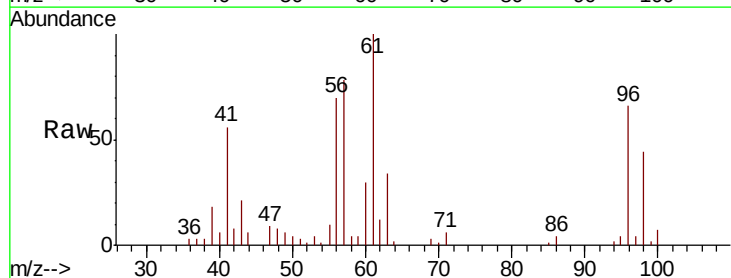
Instrument :
MSVOA_V
ClientSampled :

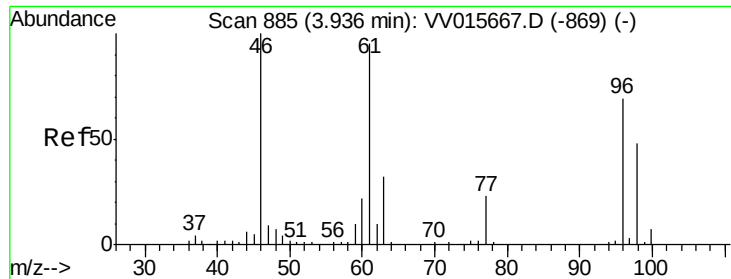
Tot Ion: 43 Resp: 32555
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#18
trans-1,2-Dichloroethene
Concen: 1.642 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015683.D
Acq: 24 Apr 2020 18:51

Tgt Ion: 96 Resp: 13589
Ion Ratio Lower Upper
96 100
61 151.4 105.5 195.9
98 66.2 44.2 82.0



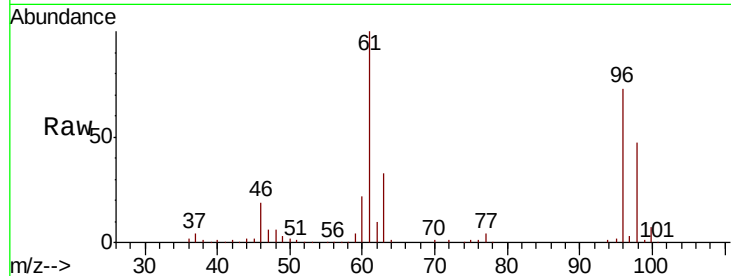


#22

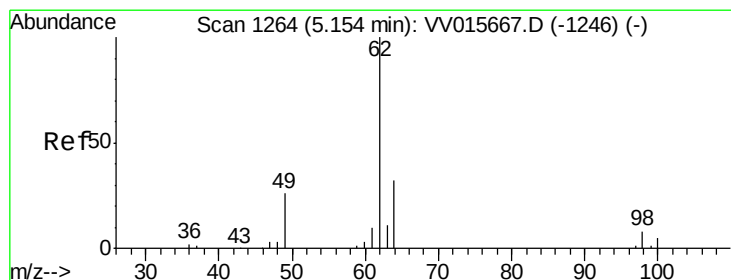
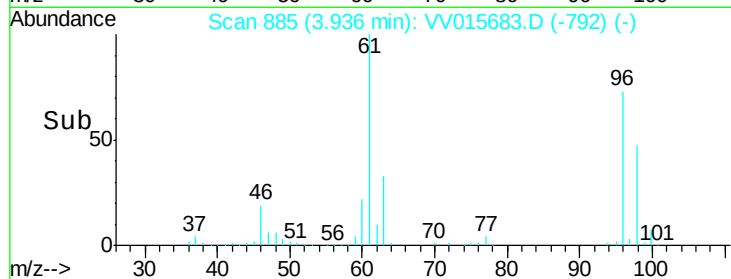
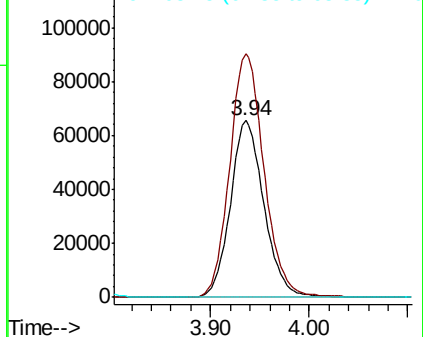
cis-1,2-Dichloroethene
 Concen: 16.957 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015683.D
 Acq: 24 Apr 2020 18:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 155164
 Ion Ratio Lower Upper
 96 100
 61 137.7 96.4 179.0
 68 0.0 0.0 0.0



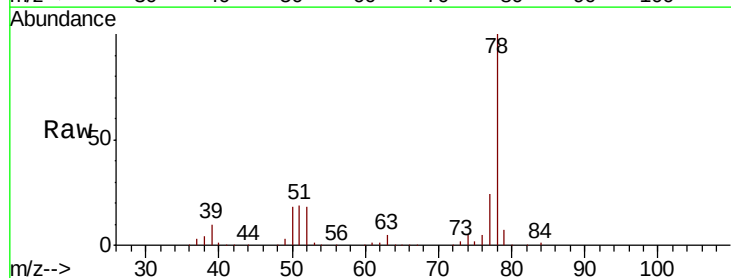
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



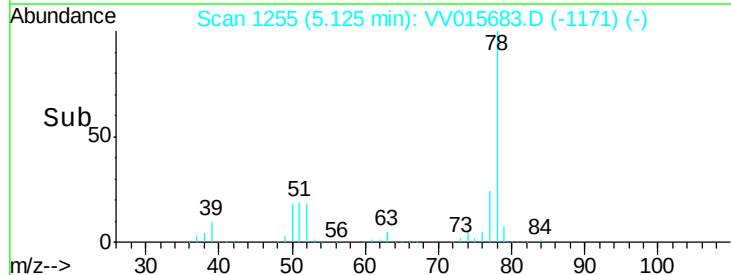
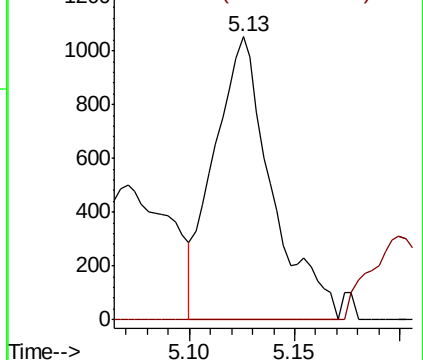
#27

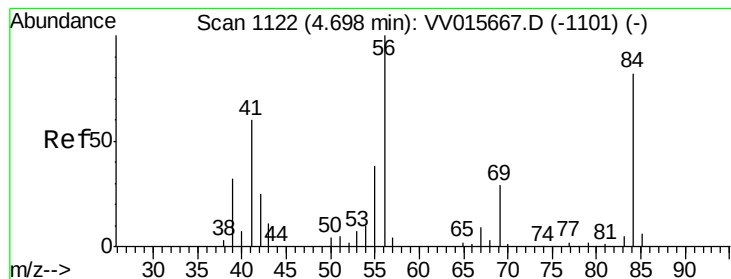
1,2-Dichloroethane
 Concen: 0.176 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.03 min
 Lab File: VV015683.D
 Acq: 24 Apr 2020 18:51

Tgt Ion: 62 Resp: 1992
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0





#30

Cyclohexane

Concen: 4.812 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VV015683.D

Acq: 24 Apr 2020 18:51

Instrument :

MSVOA_V

ClientSampleId :

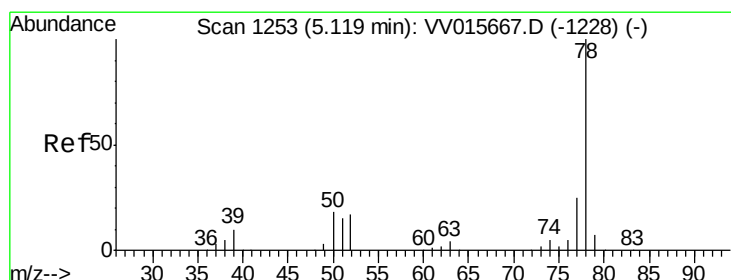
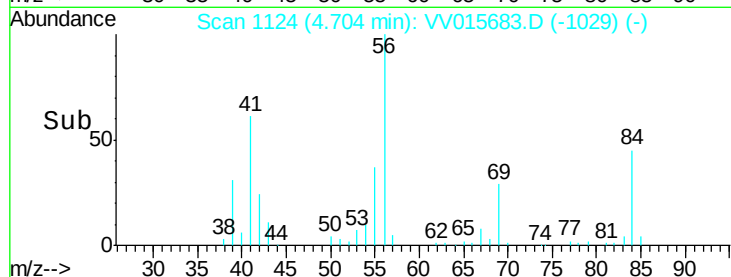
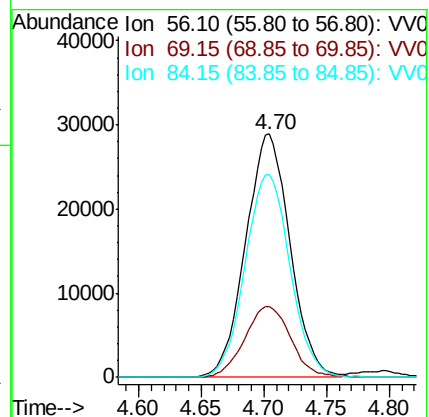
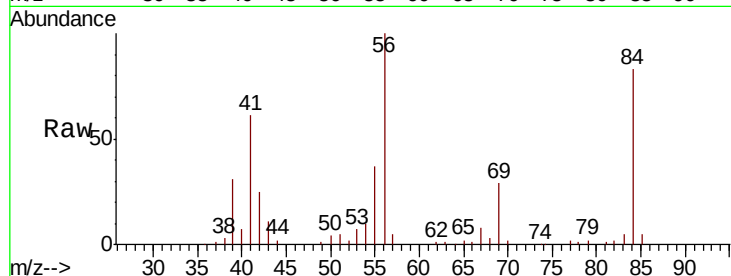
Tot Ion: 56 Resp: 71363

Ion Ratio Lower Upper

56 100

69 30.2 23.9 35.9

84 84.2 66.9 100.3



#33

Benzene

Concen: 5.747 ug/L

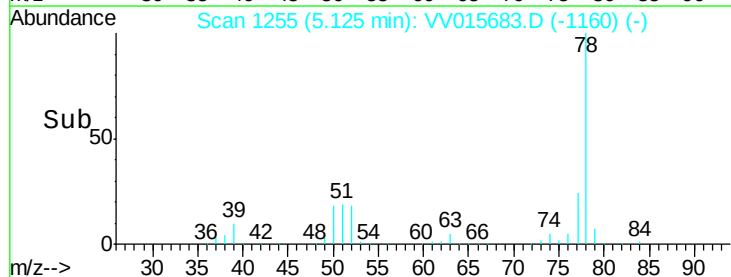
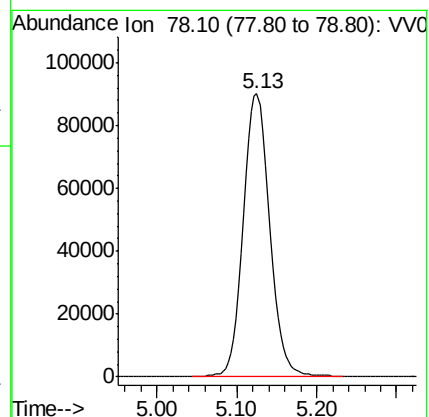
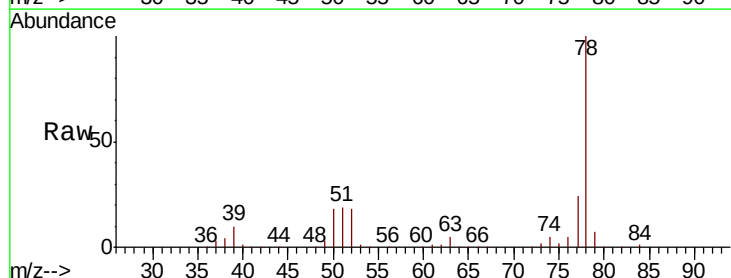
RT: 5.13 min Scan# 1255

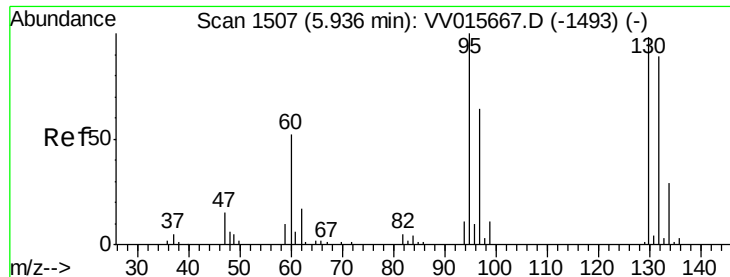
Delta R.T. 0.01 min

Lab File: VV015683.D

Acq: 24 Apr 2020 18:51

Tgt Ion: 78 Resp: 200999

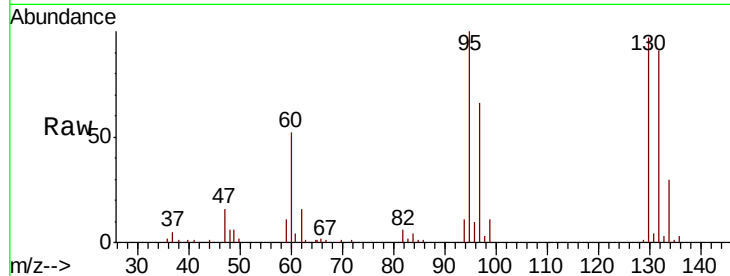




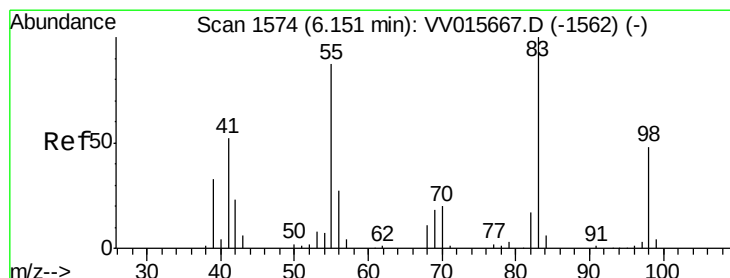
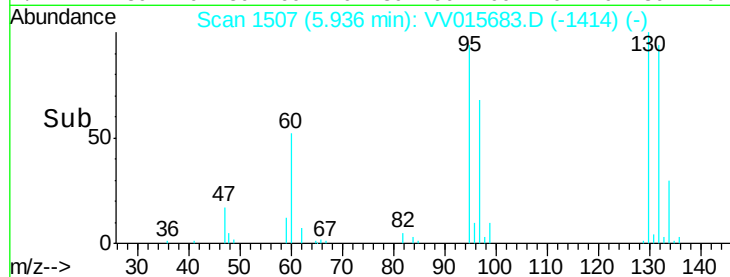
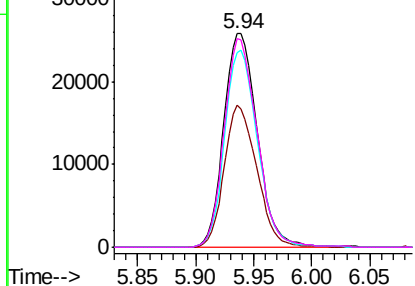
#34
 Trichloroethene
 Concen: 5.361 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015683.D
 Acq: 24 Apr 2020 18:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 51781
 Ion Ratio Lower Upper
 95 100
 97 66.4 44.7 82.9
 132 91.2 65.2 121.0
 130 97.5 65.0 120.6

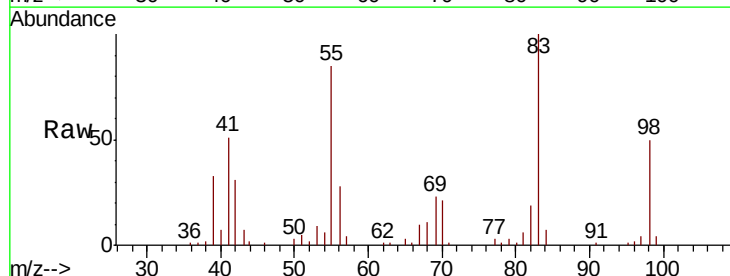


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

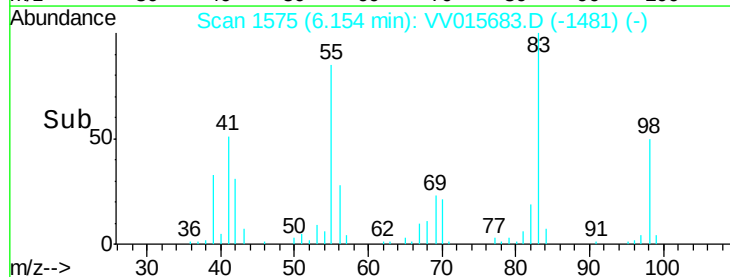
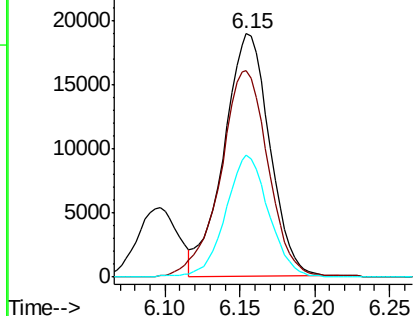


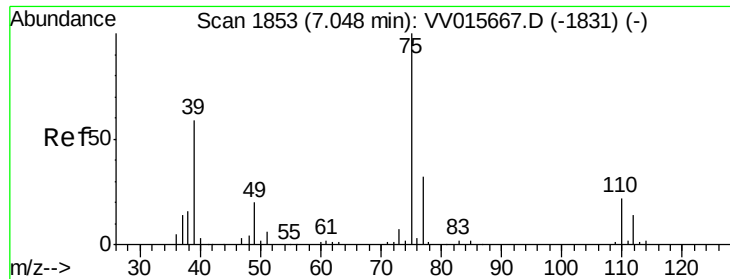
#35
 Methylcyclohexane
 Concen: 2.718 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015683.D
 Acq: 24 Apr 2020 18:51

Tgt Ion: 83 Resp: 40289
 Ion Ratio Lower Upper
 83 100
 55 89.0 66.6 99.8
 98 47.4 39.5 59.3



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

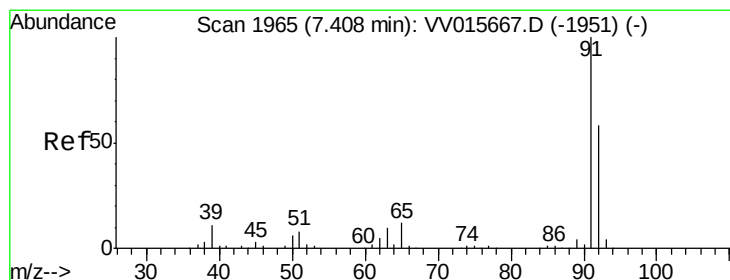
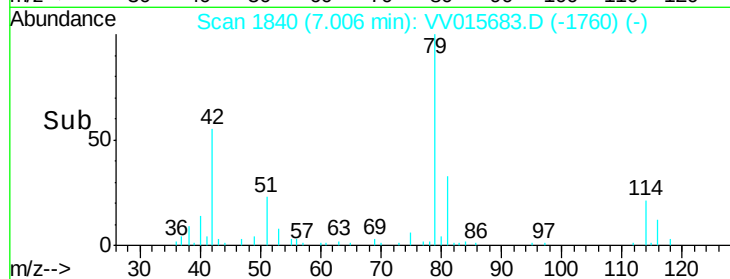
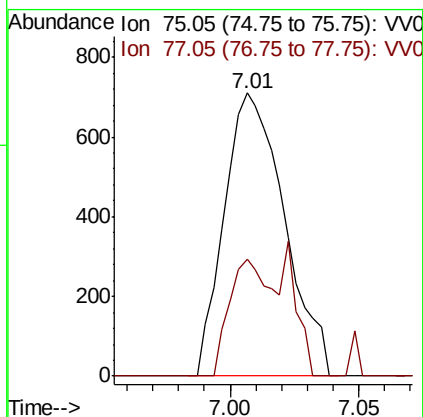
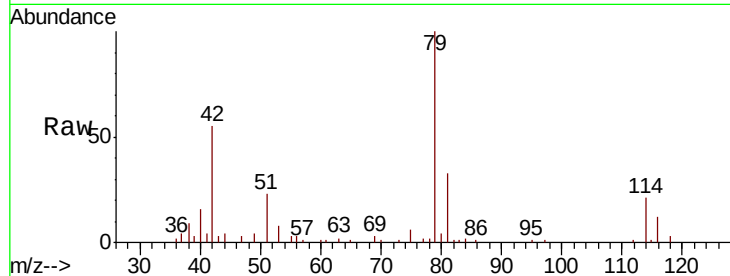




#39
 cis-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015683.D
 Acq: 24 Apr 2020 18:51

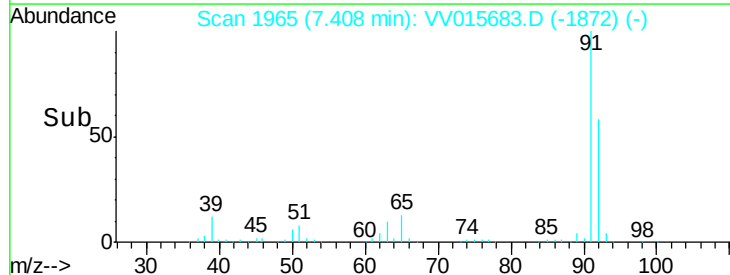
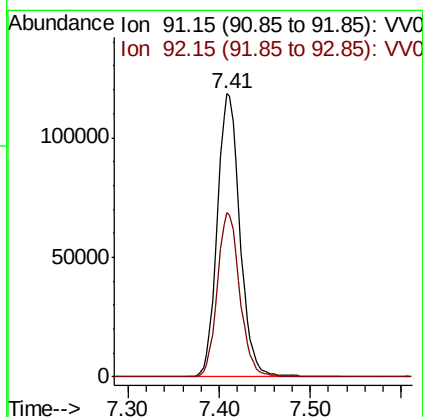
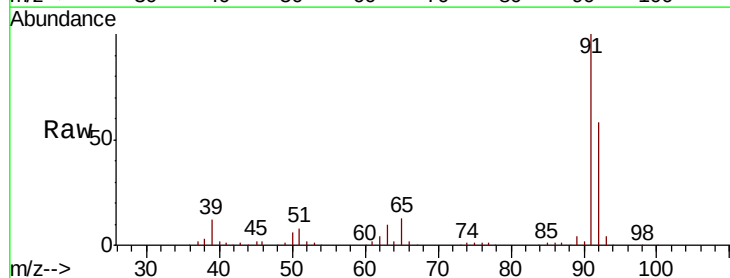
Instrument :
 MSVOA_V
 ClientSampled :

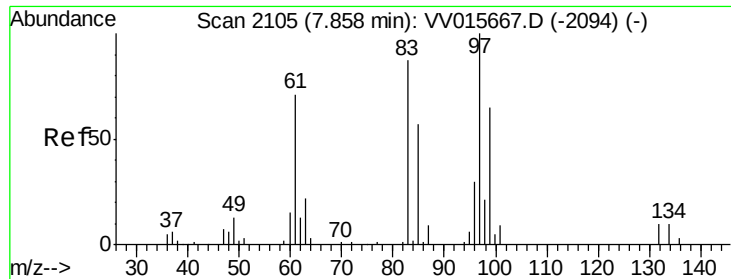
Tot Ion: 75 Resp: 1155
 Ion Ratio Lower Upper
 75 100
 77 41.4 22.3 41.5



#42
 Toluene
 Concen: 5.479 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV015683.D
 Acq: 24 Apr 2020 18:51

Tgt Ion: 91 Resp: 204748
 Ion Ratio Lower Upper
 91 100
 92 58.0 40.7 75.7





#45

1,1,2-Trichloroethane

Concen: 0.249 ug/L

RT: 7.81 min Scan# 2089

Delta R.T. -0.05 min

Lab File: VV015683.D

Acq: 24 Apr 2020 18:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 1509

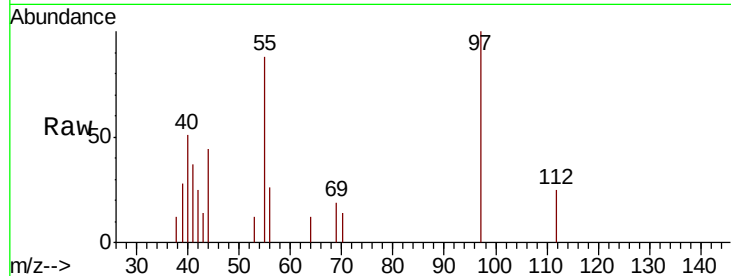
Ion Ratio Lower Upper

97 100

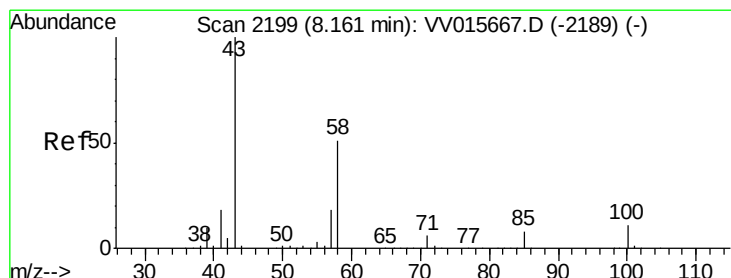
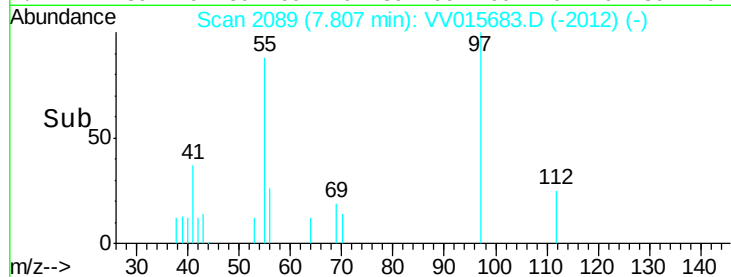
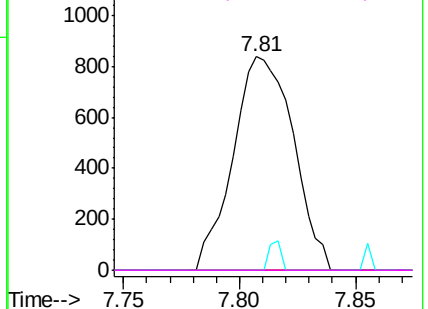
99 0.0 45.4 84.4#

83 0.0 61.3 113.9#

85 0.0 38.4 71.4#



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0



#48

2-Hexanone

Concen: 0.576 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV015683.D

Acq: 24 Apr 2020 18:51

Tgt Ion: 43 Resp: 2369

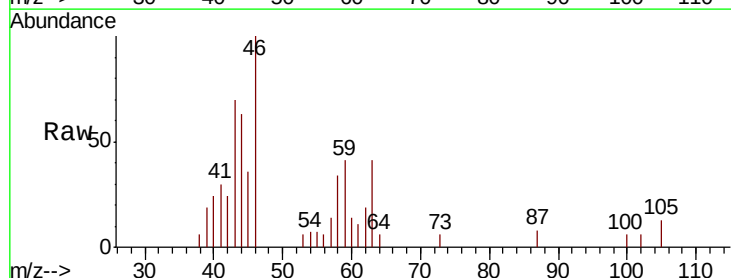
Ion Ratio Lower Upper

43 100

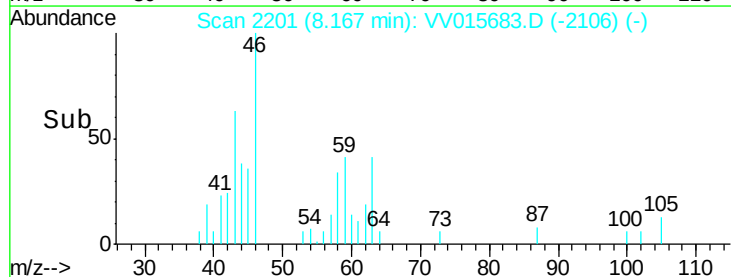
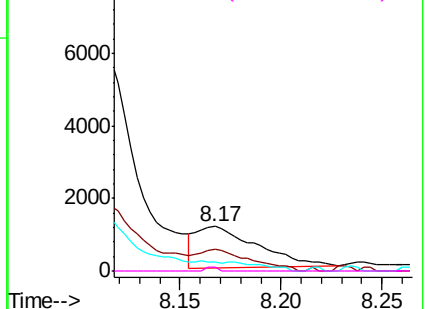
58 46.1 41.1 61.7

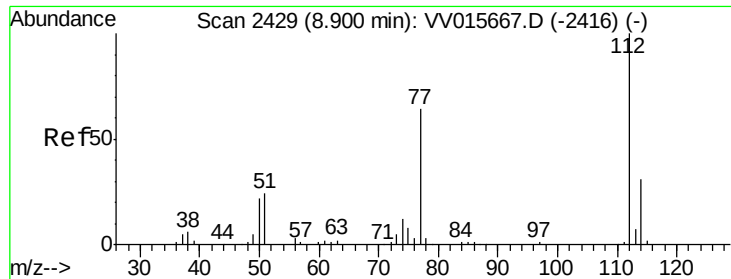
57 6.8 15.0 22.4#

100 1.7 9.0 13.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#51
 Chlorobenzene
 Concen: 5.312 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015683.D
 Acq: 24 Apr 2020 18:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	21.6	40.2
77	65.2	48.9	73.3

