

Data File : VV011512.D

Acq On : 15 Jun 2019 01:26

Operator : SY/MD

Sample : K3289-09DL 1000X

Misc : 25ML/MSVOA_V/WATER

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL5DL

Quant Time: Jun 15 02:58:52 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Jun 15 02:56:00 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	183497	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	166514	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63996	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	62587	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.58	69	48248	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.12	63	97738	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.96	46	202194	51.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.74%
24) Chloroform-d	4.40	84	127295	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	76347	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.09	84	250694	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.12	67	79656	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	213606	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.66	79	23425	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.14	63	154029	50.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	55251	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	68814	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

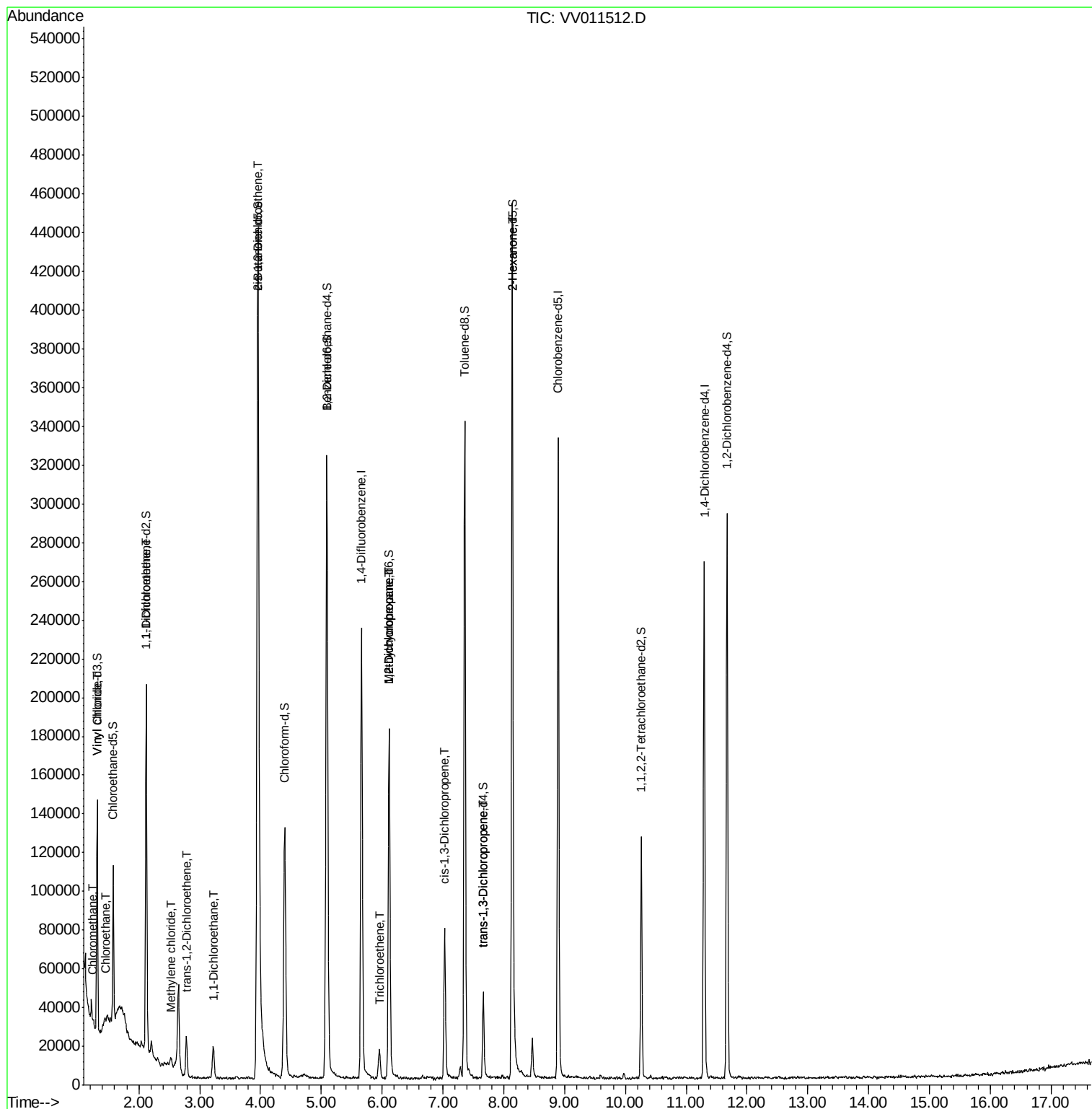
					Qvalue
3) Chloromethane	1.25	50	1730	0.098 ug/L #	82
5) Vinyl chloride	1.32	62	6651	0.380 ug/L #	66
8) Chloroethane	1.45	64	13585	1.602 ug/L #	56
12) 1,1-Dichloroethene	2.13	96	5698	0.499 ug/L #	1
16) Methylene chloride	2.53	84	1730	0.133 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	6963	0.540 ug/L	93
19) 1,1-Dichloroethane	3.22	63	16426	0.615 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	178254	12.193 ug/L	96
34) Trichloroethene	5.96	95	4099	0.296 ug/L	87
35) Methylcyclohexane	6.12	83	19536	0.988 ug/L #	15
37) 1,2-Dichloropropane	6.12	63	10215	0.706 ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	2129	0.117 ug/L #	53
44) trans-1,3-Dichloropropene	7.66	75	1335	0.096 ug/L	93
48) 2-Hexanone	8.14	43	20887	2.879 ug/L #	73

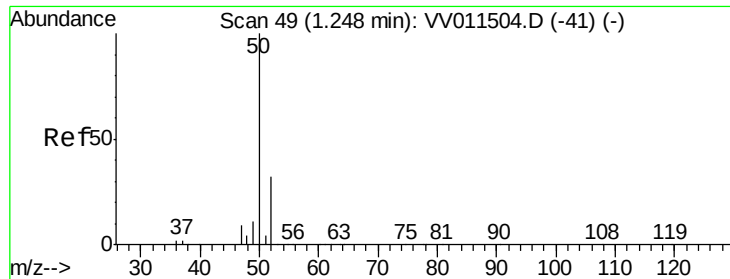
(#)= qualifier out of range (m)= manual integration (+)= signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 15 02:56:00 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.098 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011512.D

Acq: 15 Jun 2019 01:26

Instrument :

MSVOA_V

ClientSampleId :

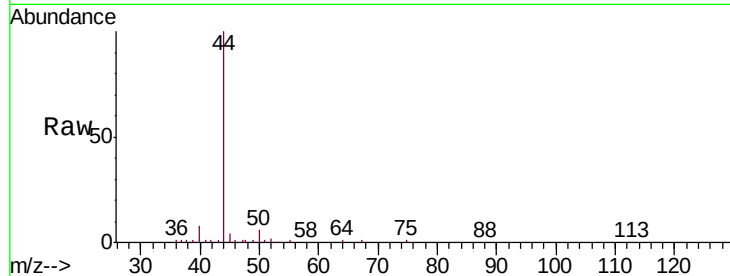
BFCL5DL

Tgt Ion: 50 Resp: 1730

Ion Ratio Lower Upper

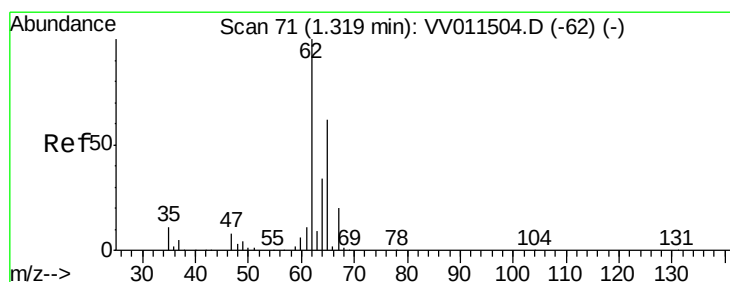
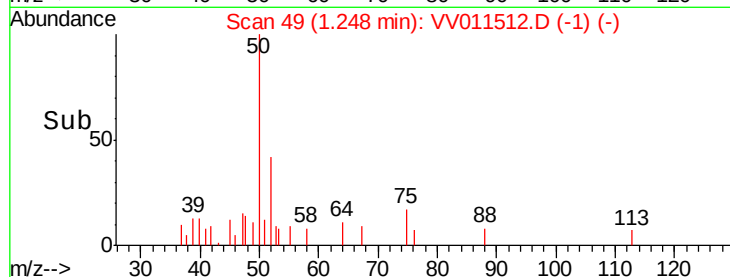
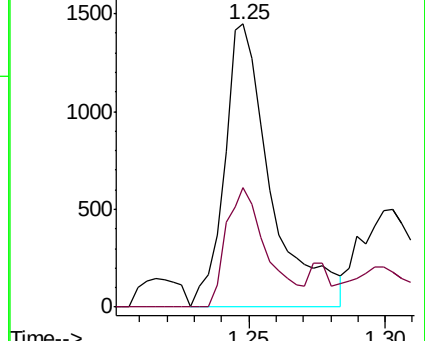
50 100

52 42.2 22.7 42.1#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.380 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011512.D

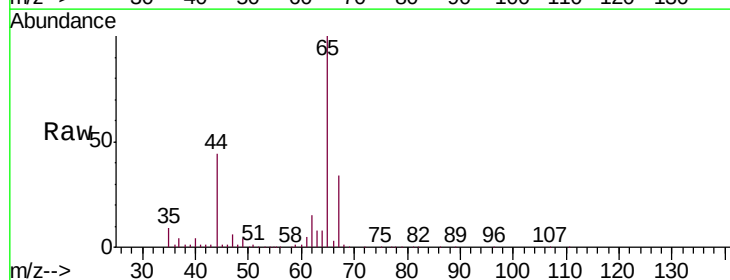
Acq: 15 Jun 2019 01:26

Tgt Ion: 62 Resp: 6651

Ion Ratio Lower Upper

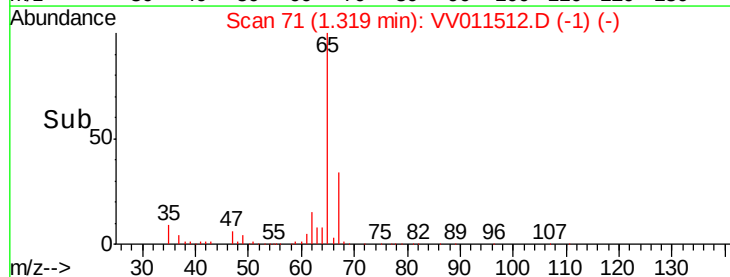
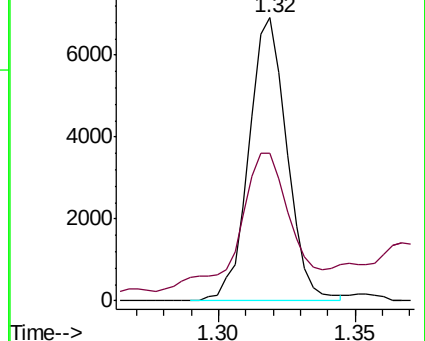
62 100

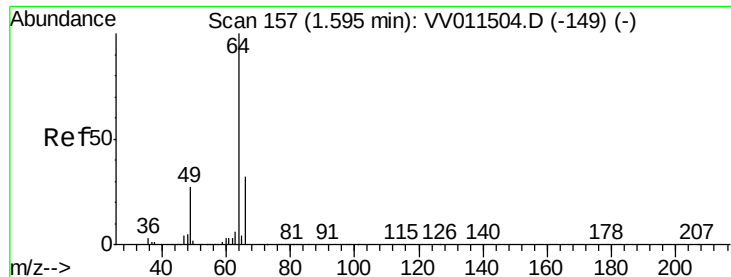
64 52.0 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 1.602 ug/L

RT: 1.45 min Scan# 112

Delta R.T. -0.14 min

Lab File: VV011512.D

Acq: 15 Jun 2019 01:26

Instrument :

MSVOA_V

ClientSampleId :

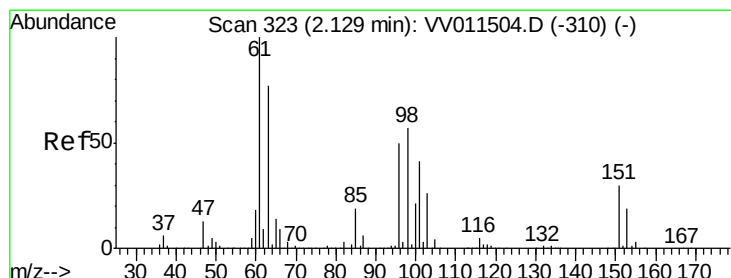
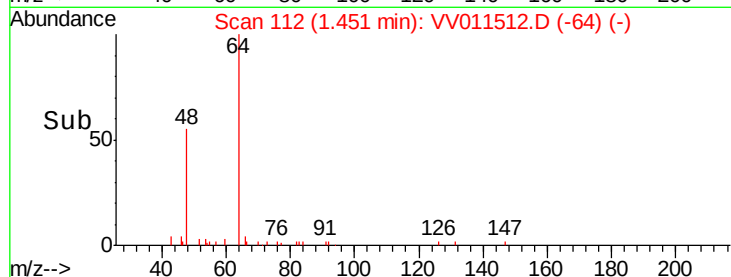
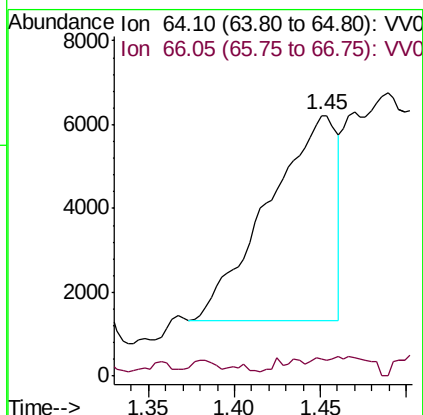
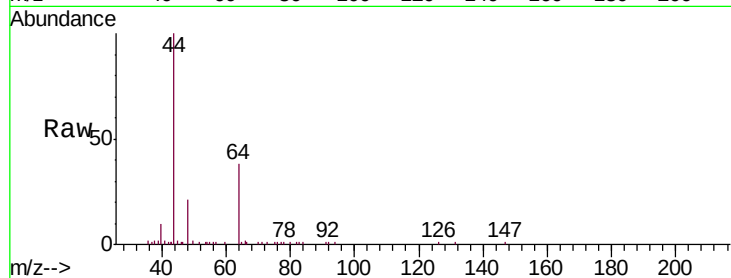
BFCL5DL

Tgt Ion: 64 Resp: 13585

Ion Ratio Lower Upper

64 100

66 6.7 21.6 40.2#



#12

1,1-Dichloroethene

Concen: 0.499 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011512.D

Acq: 15 Jun 2019 01:26

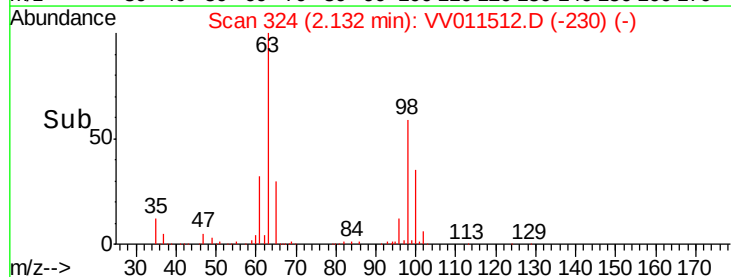
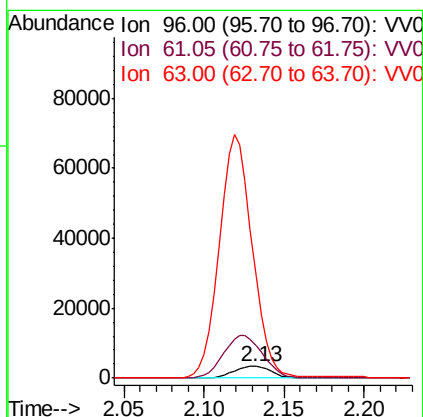
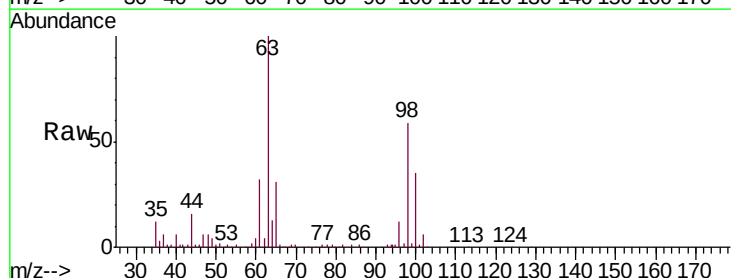
Tgt Ion: 96 Resp: 5698

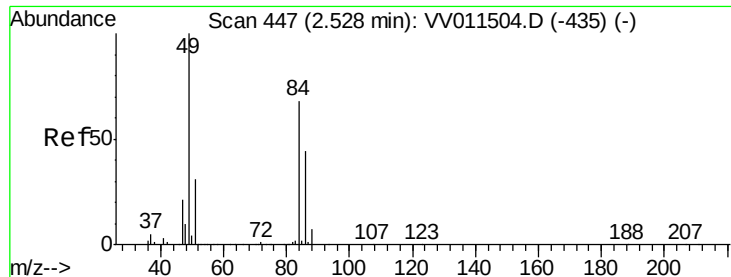
Ion Ratio Lower Upper

96 100

61 277.0 135.9 252.5#

63 856.1 86.2 160.2#

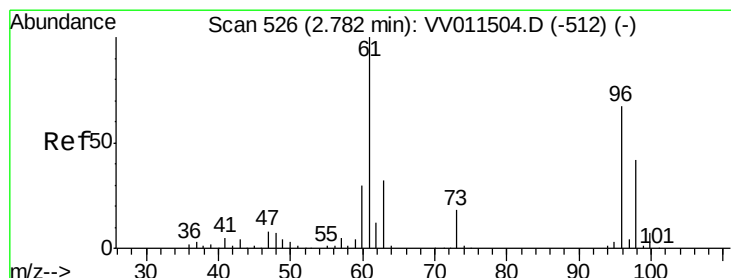
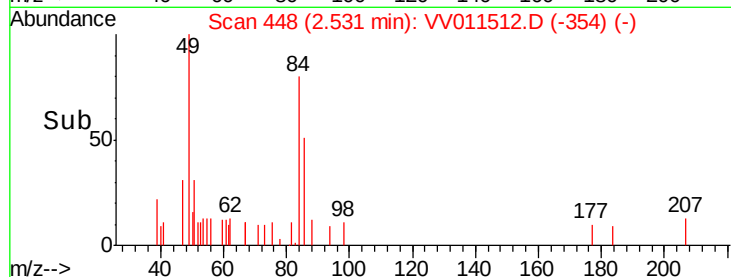
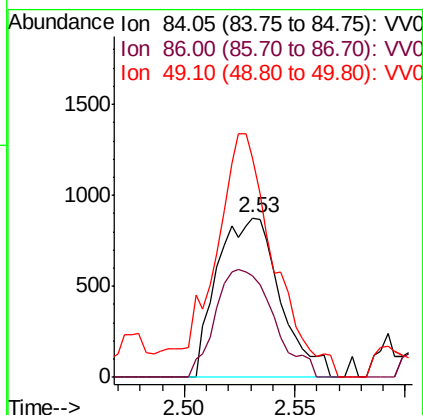
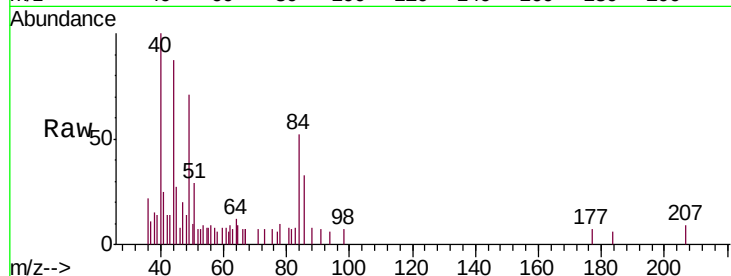




#16
Methylene chloride
Concen: 0.133 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011512.D
Acq: 15 Jun 2019 01:26

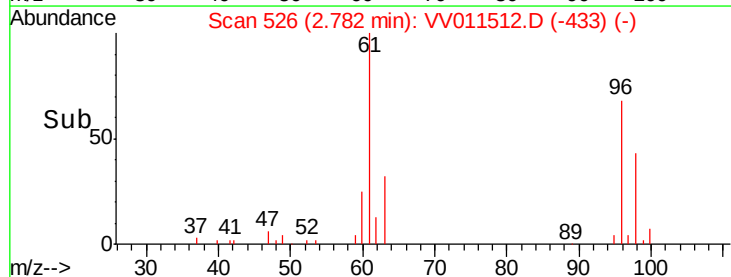
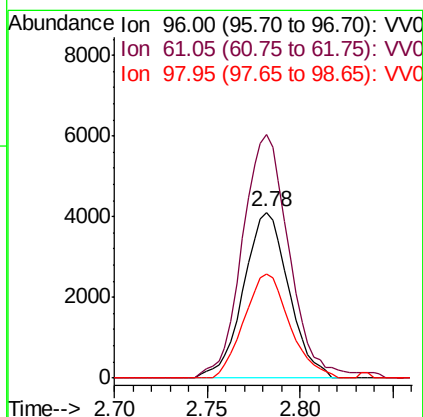
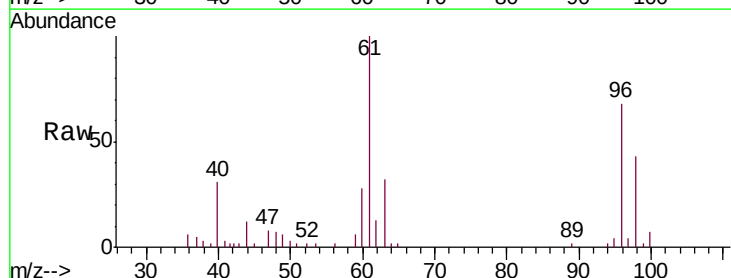
Instrument :
MSVOA_V
ClientSampleId :
BFCL5DL

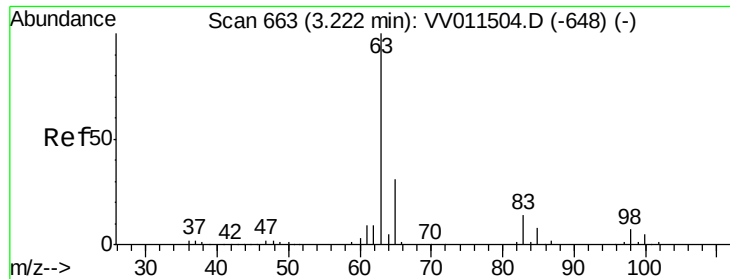
Tgt Ion: 84 Resp: 1730
Ion Ratio Lower Upper
84 100
86 63.5 42.5 78.9
49 137.9 97.7 181.5



#18
trans-1,2-Dichloroethene
Concen: 0.540 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV011512.D
Acq: 15 Jun 2019 01:26

Tgt Ion: 96 Resp: 6963
Ion Ratio Lower Upper
96 100
61 146.6 110.0 204.4
98 62.8 45.8 85.0

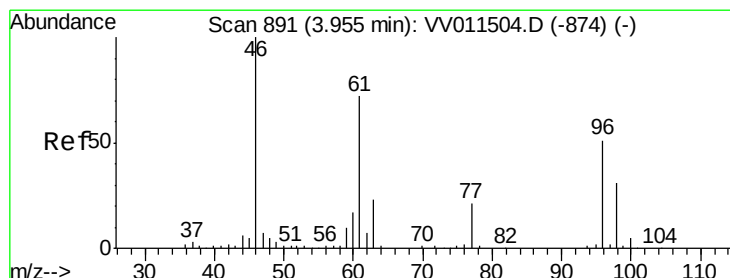
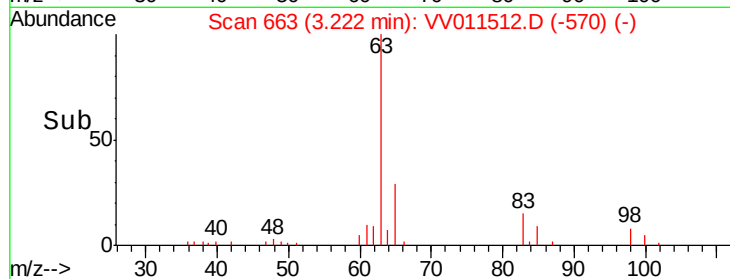
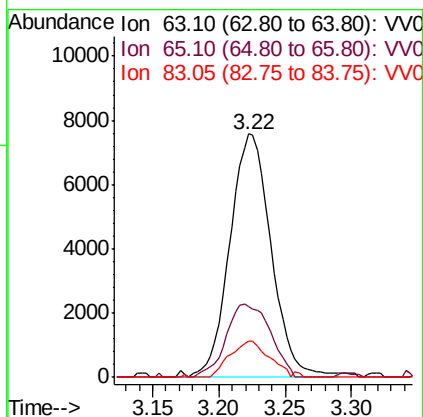
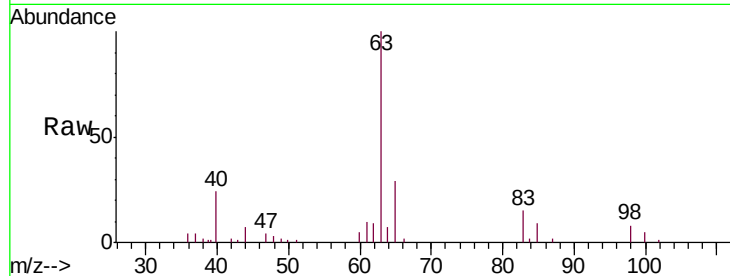




#19
 1,1-Dichloroethane
 Concen: 0.615 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011512.D
 Acq: 15 Jun 2019 01:26

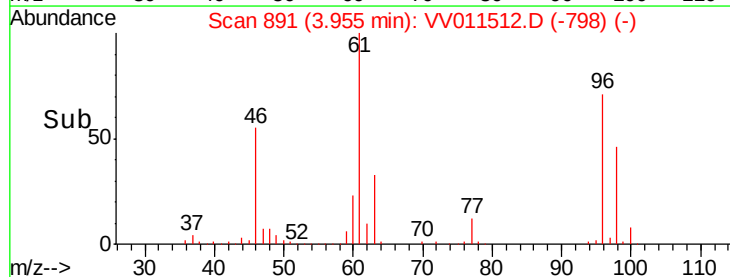
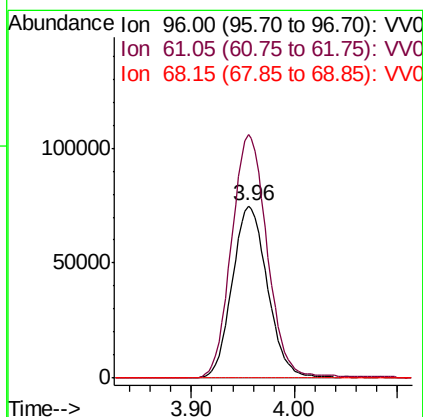
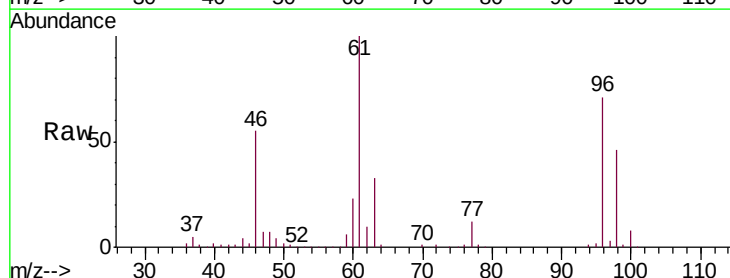
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL5DL

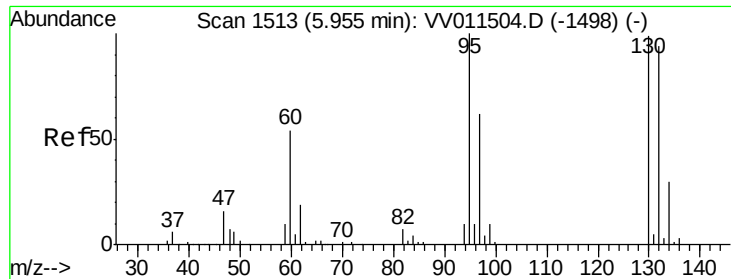
Tgt Ion: 63 Resp: 16426
 Ion Ratio Lower Upper
 63 100
 65 29.3 22.5 41.9
 83 14.8 10.1 18.9



#22
 cis-1,2-Dichloroethene
 Concen: 12.193 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV011512.D
 Acq: 15 Jun 2019 01:26

Tgt Ion: 96 Resp: 178254
 Ion Ratio Lower Upper
 96 100
 61 141.3 102.2 189.8
 68 0.0 0.0 0.0

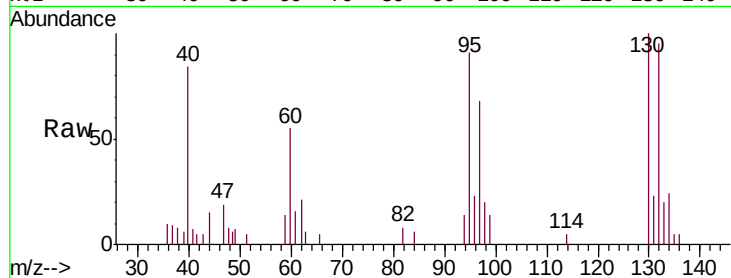




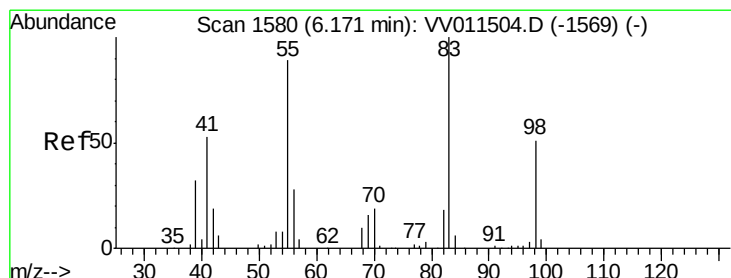
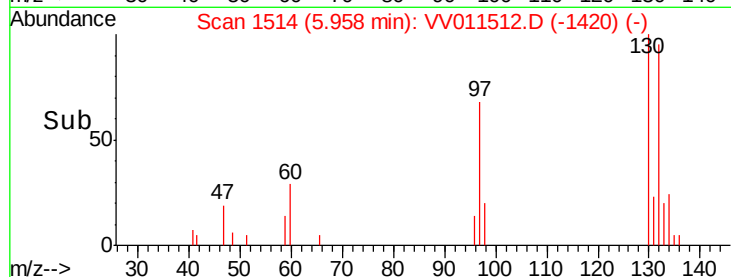
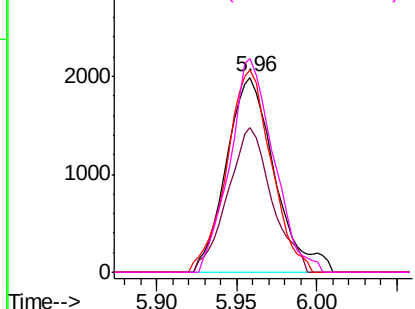
#34
 Trichloroethene
 Concen: 0.296 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011512.D
 Acq: 15 Jun 2019 01:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL5DL

Tgt Ion: 95 Resp: 4099
 Ion Ratio Lower Upper
 95 100
 97 74.2 44.4 82.4
 132 104.0 63.5 117.9
 130 109.5 68.5 127.3

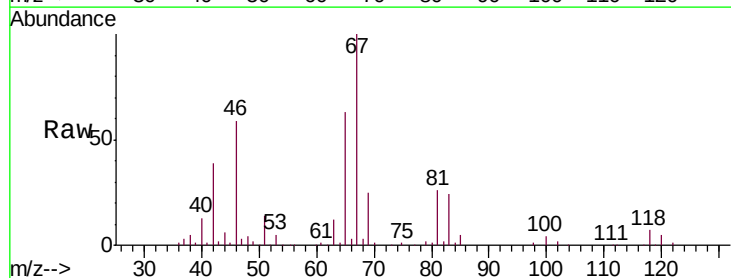


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

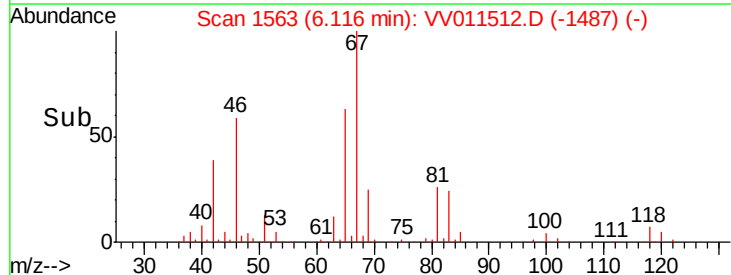
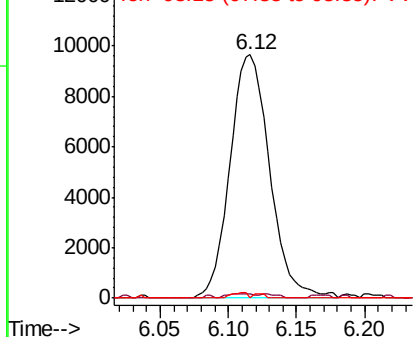


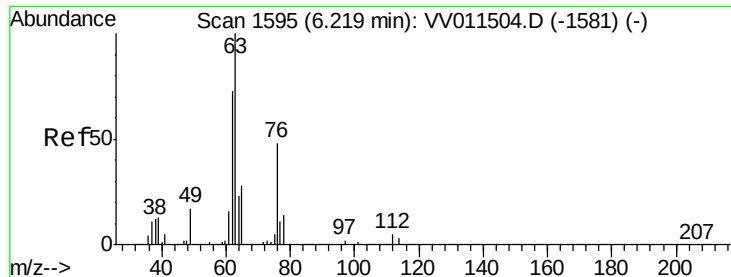
#35
 Methylcyclohexane
 Concen: 0.988 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.05 min
 Lab File: VV011512.D
 Acq: 15 Jun 2019 01:26

Tgt Ion: 83 Resp: 19536
 Ion Ratio Lower Upper
 83 100
 55 0.7 67.9 101.9#
 98 0.5 39.6 59.4#



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

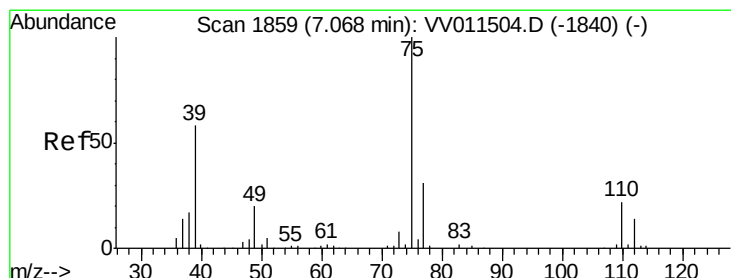
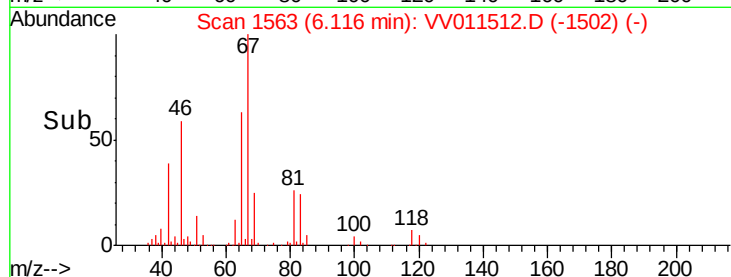
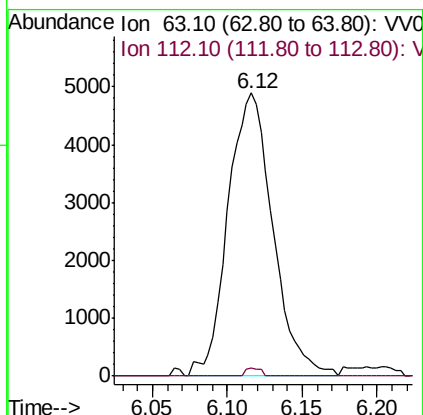
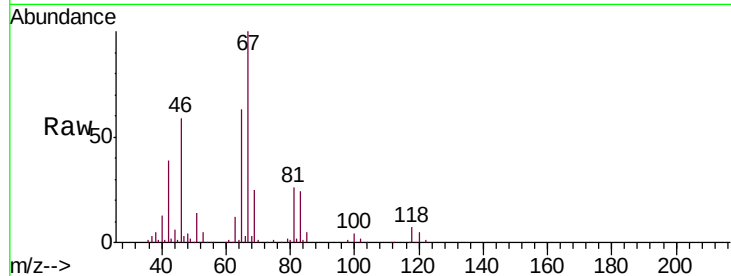




#37
 1,2-Dichloropropane
 Concen: 0.706 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011512.D
 Acq: 15 Jun 2019 01:26

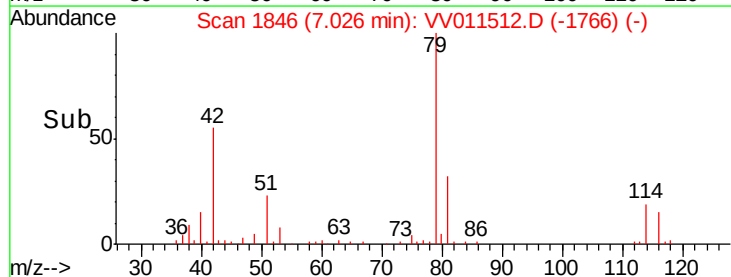
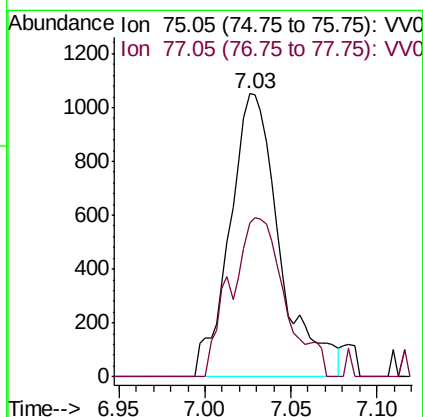
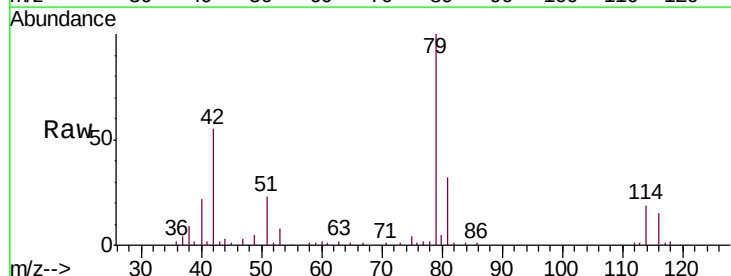
Instrument :
 MSVOA_V
 ClientSampled :
 BFCL5DL

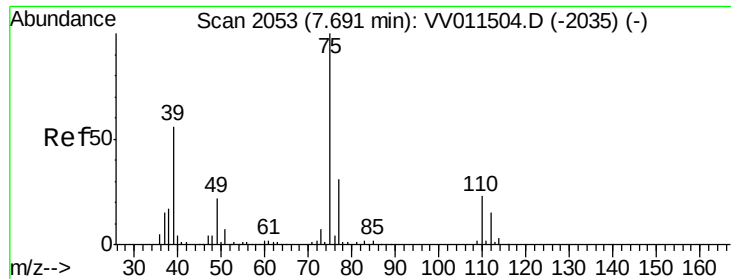
Tgt Ion: 63 Resp: 10215
 Ion Ratio Lower Upper
 63 100
 112 1.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011512.D
 Acq: 15 Jun 2019 01:26

Tgt Ion: 75 Resp: 2129
 Ion Ratio Lower Upper
 75 100
 77 54.6 20.6 38.4#

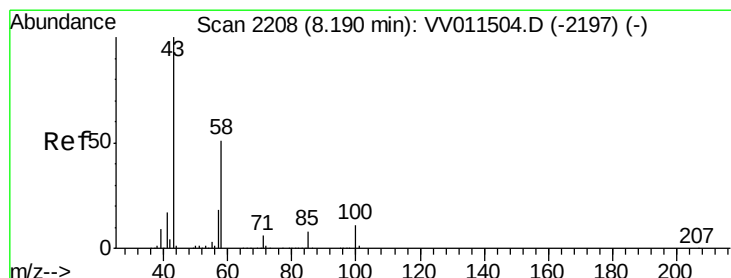
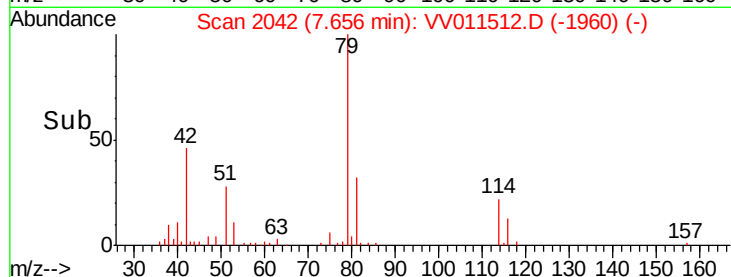
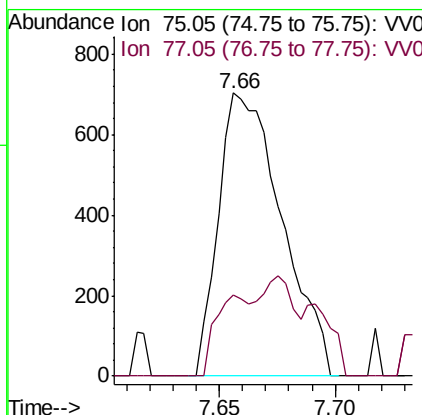
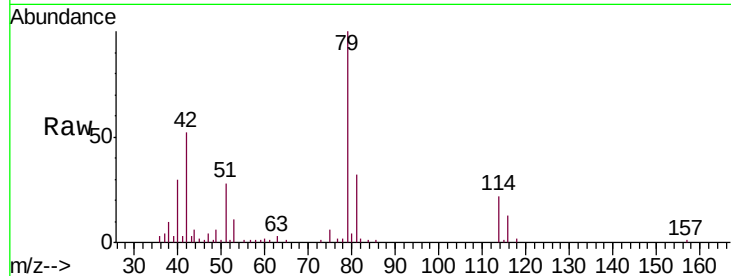




#44
trans-1,3-Dichloropropene
Concen: 0.096 ug/L
RT: 7.66 min Scan# 2042
Delta R.T. -0.04 min
Lab File: VV011512.D
Acq: 15 Jun 2019 01:26

Instrument :
MSVOA_V
ClientSampleId :
BFCL5DL

Tgt Ion: 75 Resp: 1335
Ion Ratio Lower Upper
75 100
77 28.7 22.8 42.4



#48
2-Hexanone
Concen: 2.879 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV011512.D
Acq: 15 Jun 2019 01:26

Tgt Ion: 43 Resp: 20887
Ion Ratio Lower Upper
43 100
58 29.1 40.6 60.8#
57 24.4 14.2 21.4#
100 1.3 8.6 12.8#

