

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042720\
 Data File : VV015726.D
 Acq On : 27 Apr 2020 14:02
 Operator : SY/MD
 Sample : L2370-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 28 02:19:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 28 02:16:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	122984	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	119972	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54011	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	24705	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.58	69	27782	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.12	63	44190	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	3.93	46	118061	57.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.42%
24) Chloroform-d	4.38	84	71093	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.06	65	42877	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.08	84	136432	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.10	67	44693	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.34	98	121834	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.65	79	14462	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.11	63	86554	50.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	34128	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	50198	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	828	0.091	ug/L	85
5) Vinyl chloride	1.32	62	2778	0.285	ug/L #	1
8) Chloroethane	1.42	64	22472	3.515	ug/L #	53
12) 1,1-Dichloroethene	2.13	96	917	0.128	ug/L #	1
21) 2-Butanone	4.04	43	1823	0.825	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	85165	9.611	ug/L	99
25) Chloroform	4.40	83	5277	0.316	ug/L	98
34) Trichloroethene	5.94	95	64060	6.767	ug/L	98
35) Methylcyclohexane	6.10	83	11204	0.771	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	5572	0.640	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1335	0.110	ug/L #	69
44) trans-1,3-Dichloropropene	7.65	75	649	0.064	ug/L #	70
45) 1,1,2-Trichloroethane	7.99	97	917	0.154	ug/L #	23
47) Tetrachloroethene	8.00	164	93839	13.768	ug/L	97
48) 2-Hexanone	8.17	43	4402	1.092	ug/L #	94
49) Dibromochloromethane	8.00	129	90351	14.701	ug/L #	12

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 28 02:16:08 2020
Response via : Initial Calibration

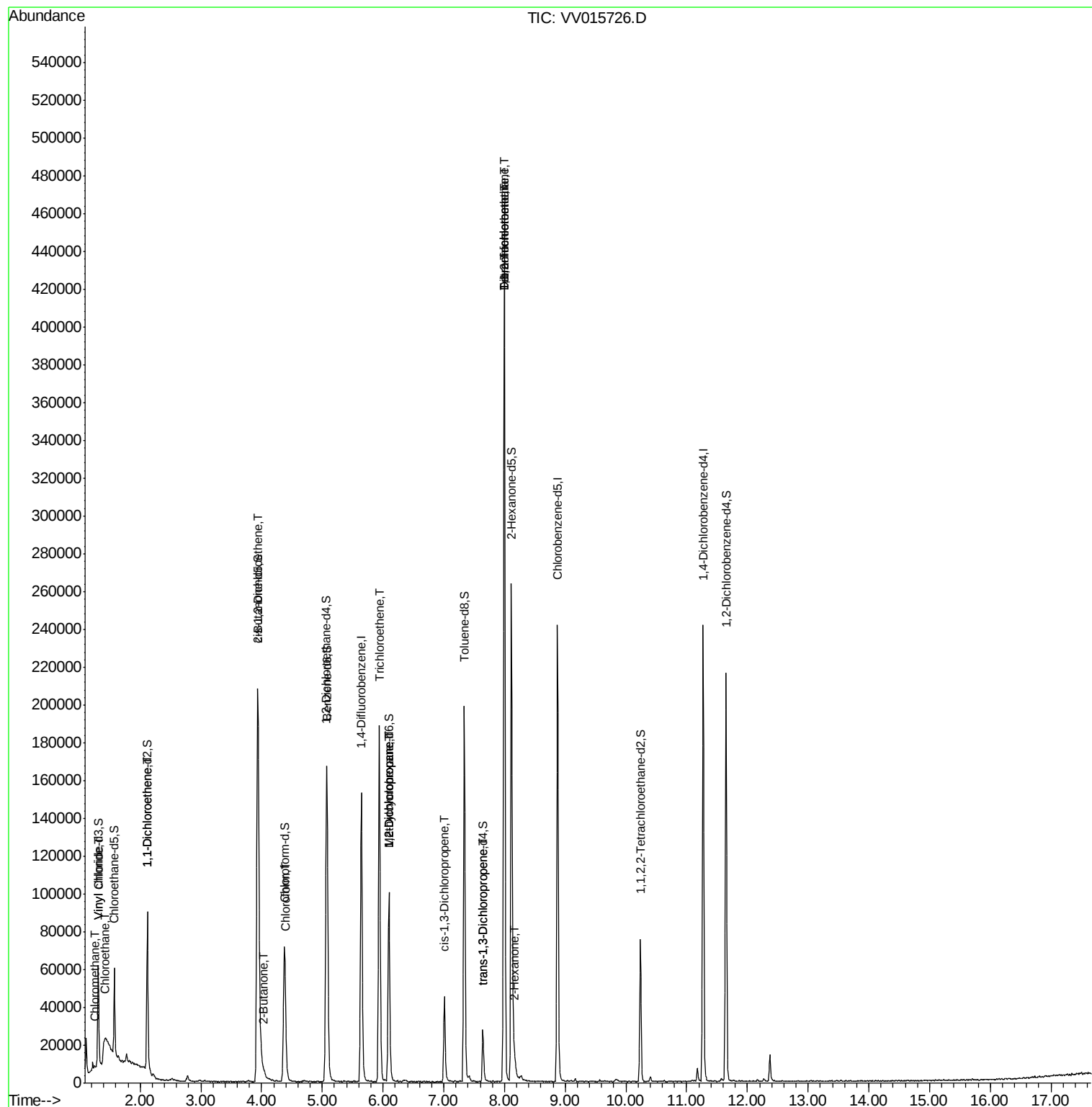
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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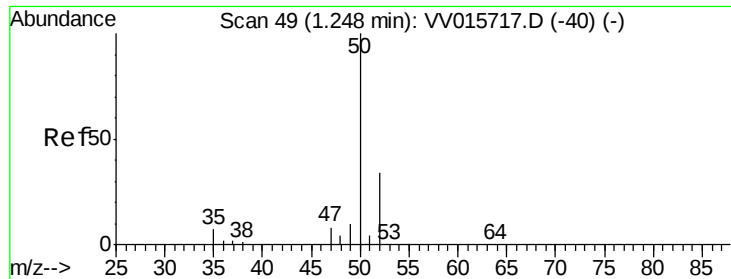
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042720\
Data File : VV015726.D
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Operator : SY/MD
Sample : L2370-16
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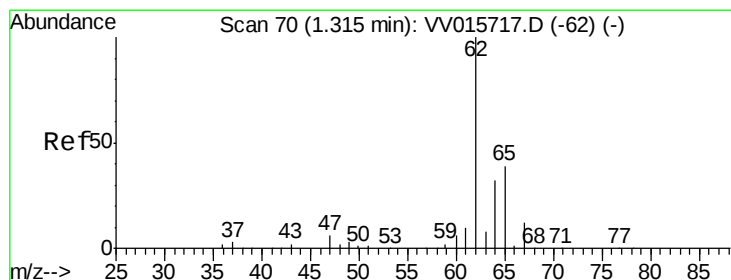
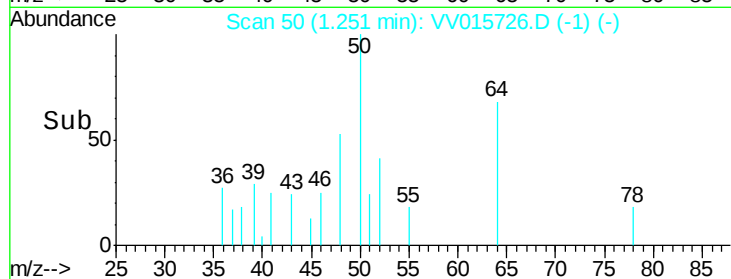
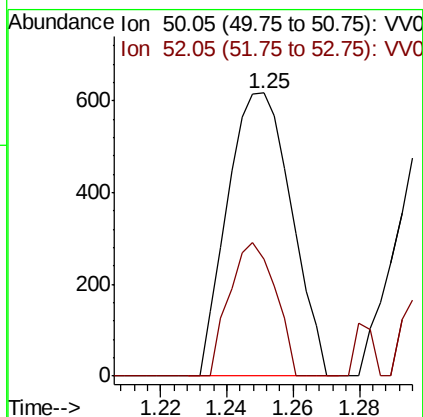
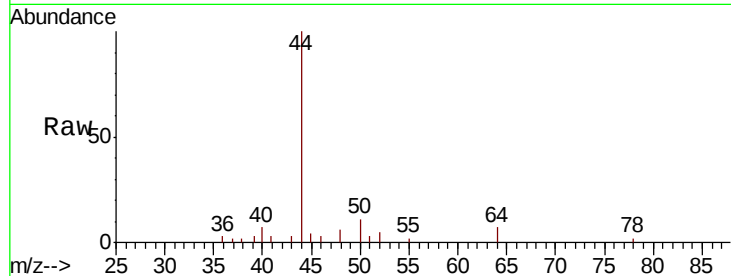




#3
Chloromethane
Concen: 0.091 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV015726.D
Acq: 27 Apr 2020 14:02

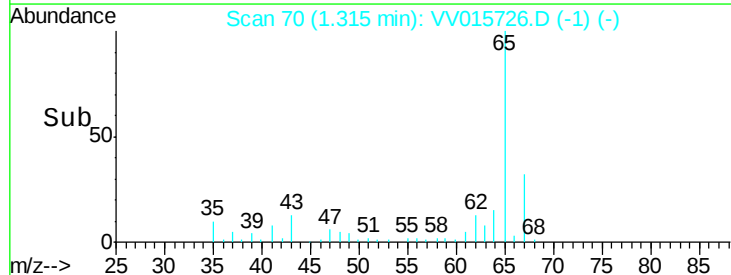
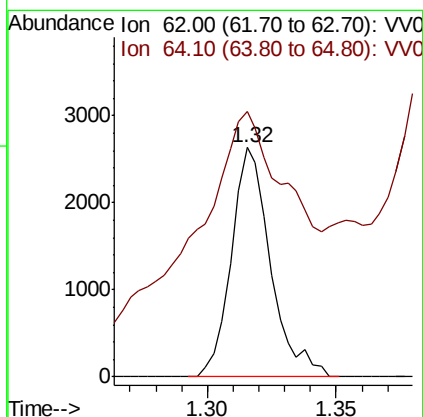
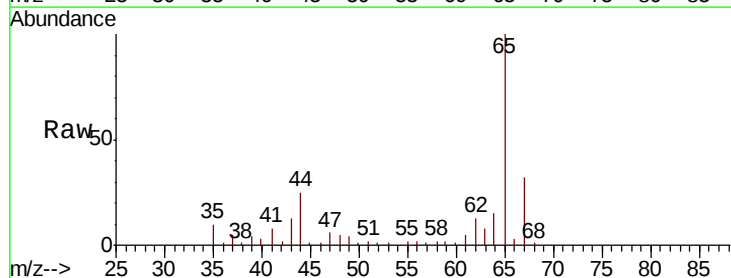
Instrument :
MSVOA_V
ClientSampleId :

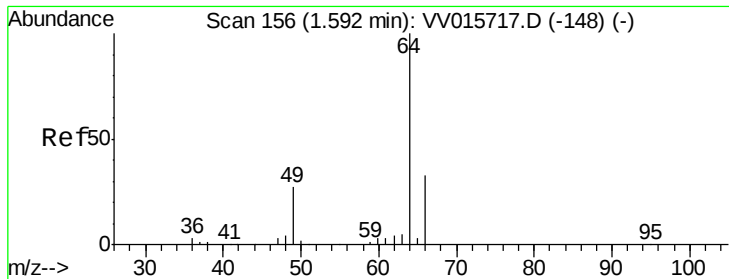
Tot Ion: 50 Resp: 828
Ion Ratio Lower Upper
50 100
52 41.2 22.9 42.5



#5
Vinyl chloride
Concen: 0.285 ug/L
RT: 1.32 min Scan# 70
Delta R.T. -0.00 min
Lab File: VV015726.D
Acq: 27 Apr 2020 14:02

Tgt Ion: 62 Resp: 2778
Ion Ratio Lower Upper
62 100
64 115.7 22.7 42.1#





#8

Chloroethane

Concen: 3.515 ug/L

RT: 1.42 min Scan# 103

Delta R.T. -0.17 min

Lab File: VV015726.D

Acq: 27 Apr 2020 14:02

Instrument :

MSVOA_V

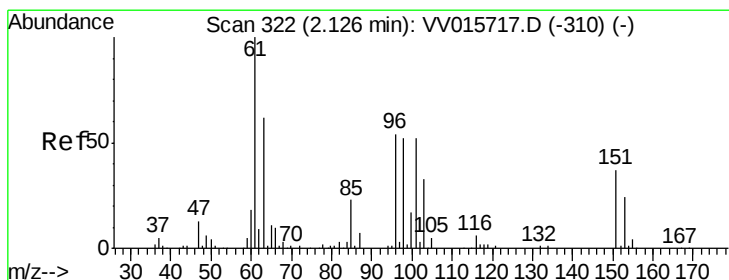
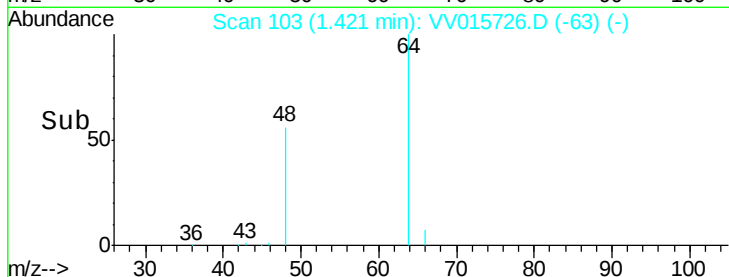
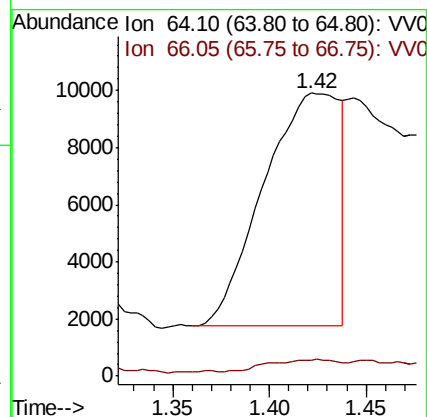
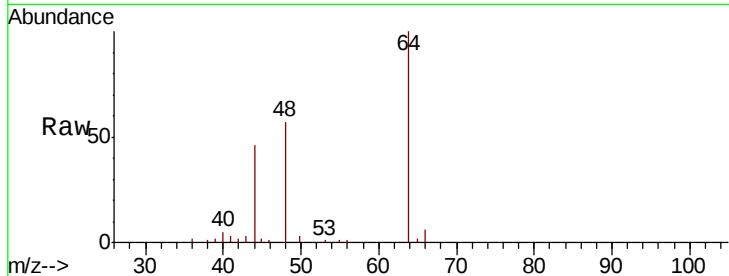
ClientSampled :

Tot Ion: 64 Resp: 22472

Ion Ratio Lower Upper

64 100

66 5.8 22.3 41.5#



#12

1,1-Dichloroethene

Concen: 0.128 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015726.D

Acq: 27 Apr 2020 14:02

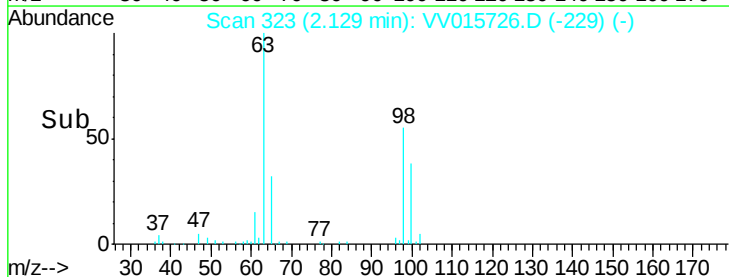
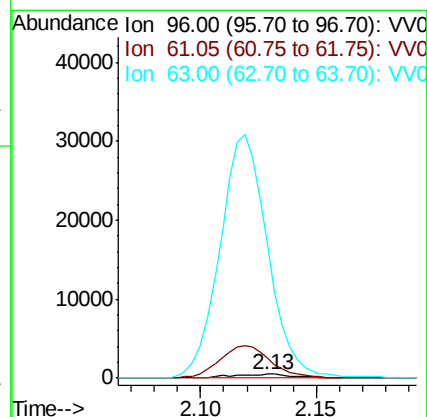
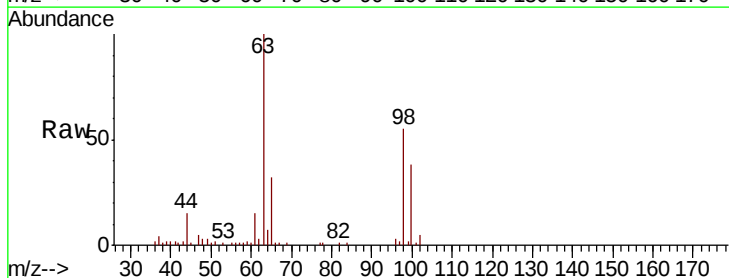
Tgt Ion: 96 Resp: 917

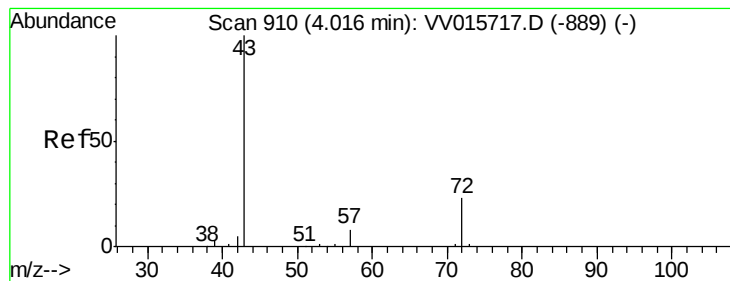
Ion Ratio Lower Upper

96 100

61 508.4 130.1 241.7#

63 3388.1 91.4 169.8#





#21

2-Butanone

Concen: 0.825 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.03 min

Lab File: VV015726.D

Acq: 27 Apr 2020 14:02

Instrument :

MSVOA_V

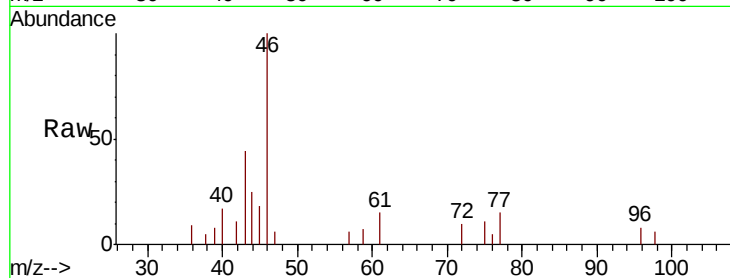
ClientSampled :

Tot Ion: 43 Resp: 1823

Ion Ratio Lower Upper

43 100

72 25.1 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV015717.D (-889) (-)

Ion 72.00 (71.70 to 72.70): VV015717.D (-889) (-)

4.04

800

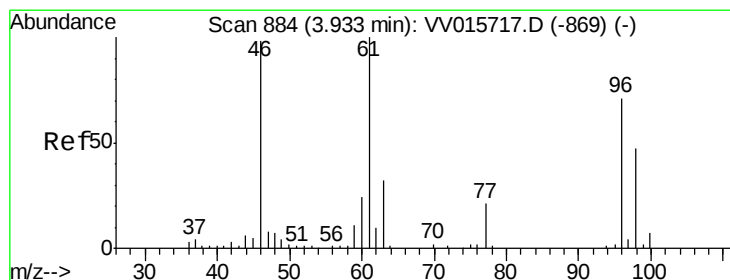
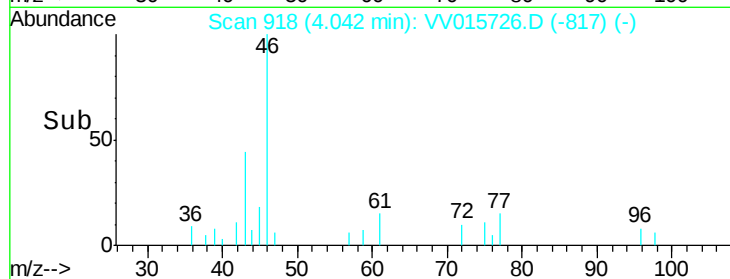
600

400

200

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 9.611 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV015726.D

Acq: 27 Apr 2020 14:02

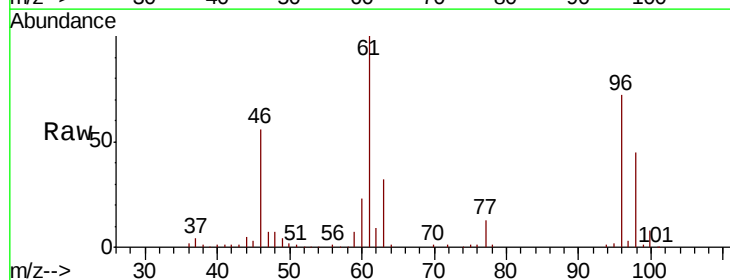
Tgt Ion: 96 Resp: 85165

Ion Ratio Lower Upper

96 100

61 139.5 96.4 179.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015717.D (-869) (-)

Ion 61.05 (60.75 to 61.75): VV015717.D (-869) (-)

Ion 68.15 (67.85 to 68.85): VV015717.D (-869) (-)

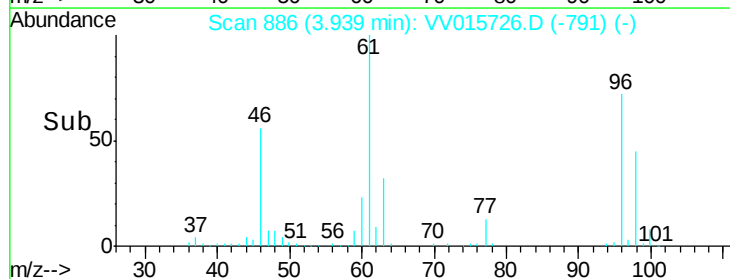
60000

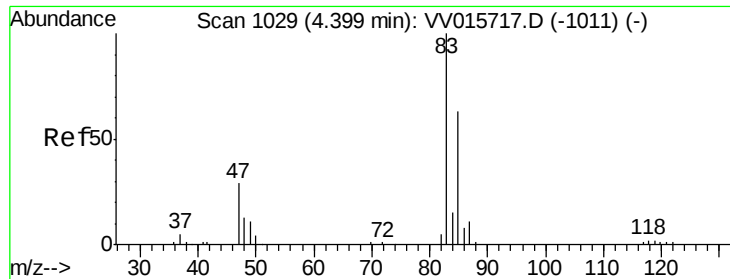
40000

20000

0

Time-->





#25

Chloroform

Concen: 0.316 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV015726.D

Acq: 27 Apr 2020 14:02

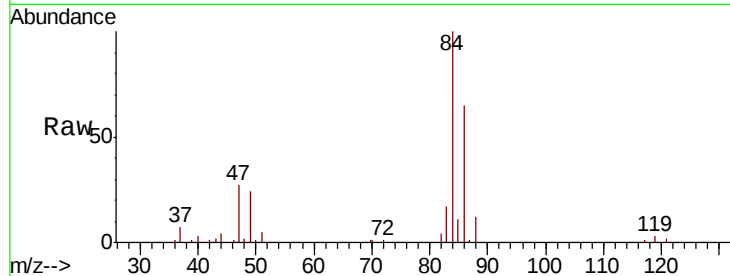
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 5277

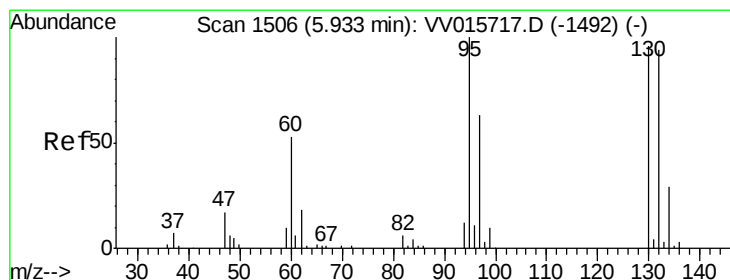
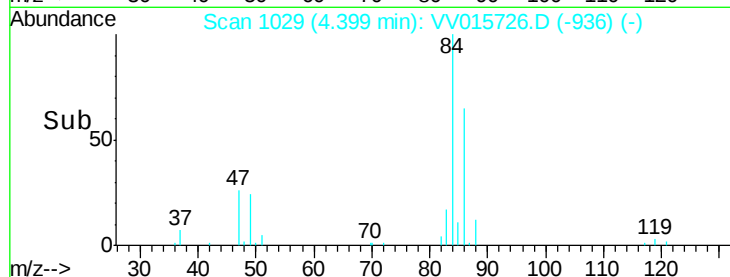
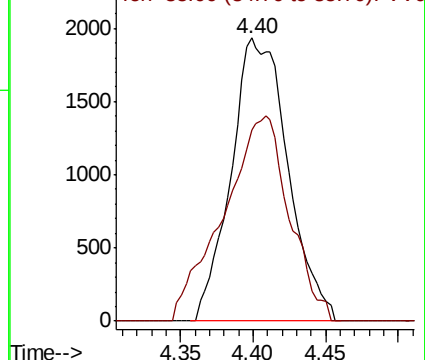
Ion Ratio Lower Upper

83 100

85 67.7 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0



#34

Trichloroethene

Concen: 6.767 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV015726.D

Acq: 27 Apr 2020 14:02

Tgt Ion: 95 Resp: 64060

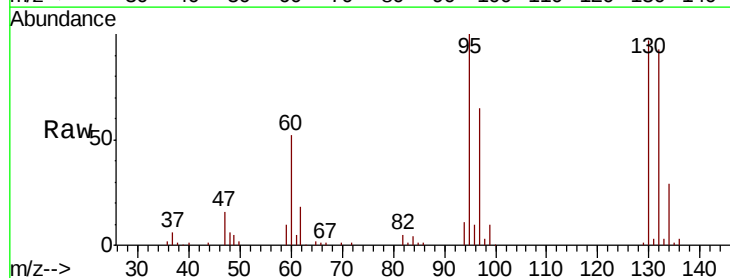
Ion Ratio Lower Upper

95 100

97 65.0 44.7 82.9

132 92.7 65.2 121.0

130 96.6 65.0 120.6

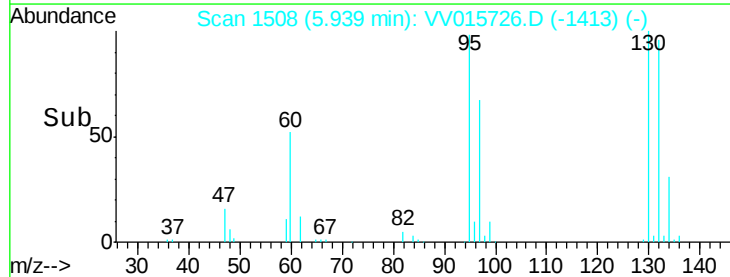
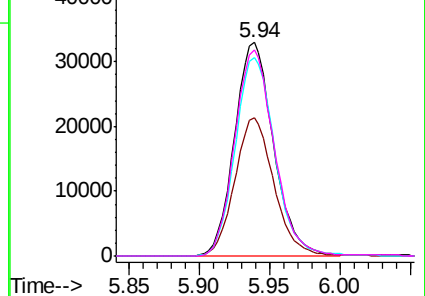


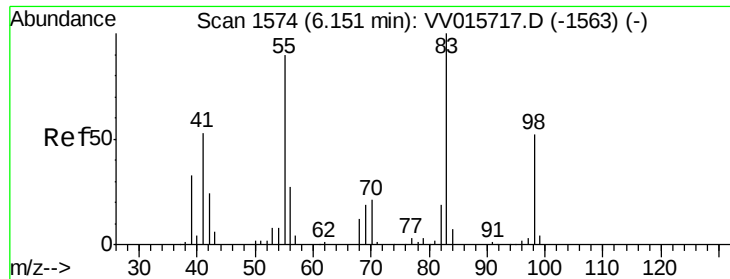
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.771 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV015726.D

Acq: 27 Apr 2020 14:02

Instrument :

MSVOA_V

ClientSampleId :

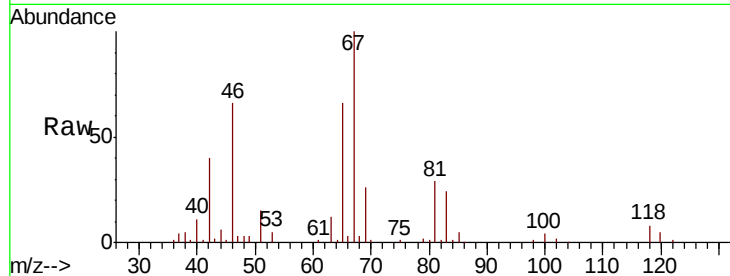
Tot Ion: 83 Resp: 11204

Ion Ratio Lower Upper

83 100

55 0.9 66.6 99.8#

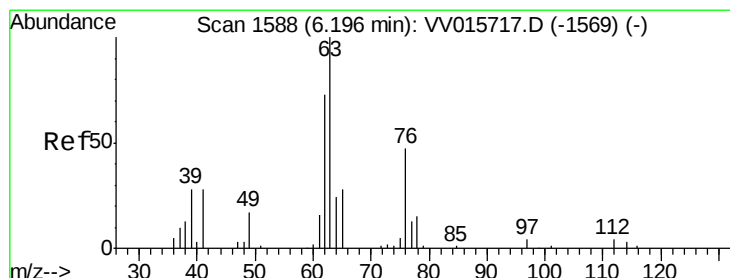
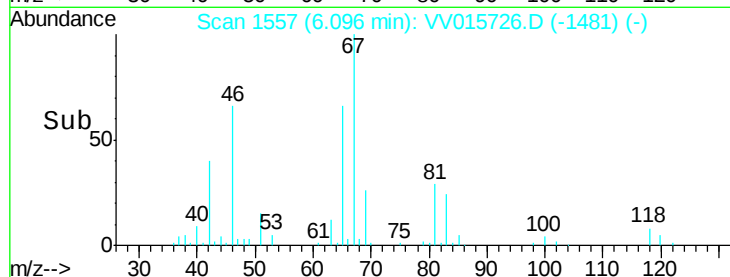
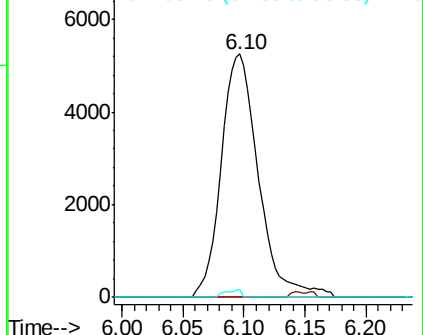
98 1.4 39.5 59.3#



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



#37

1,2-Dichloropropane

Concen: 0.640 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV015726.D

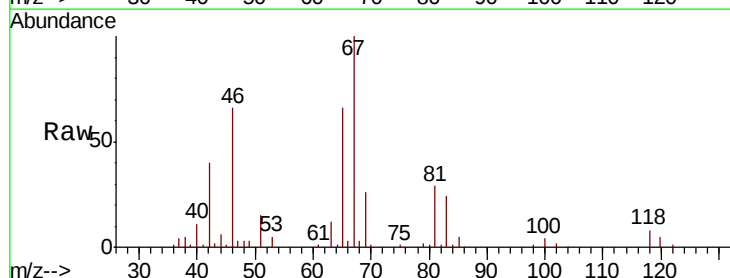
Acq: 27 Apr 2020 14:02

Tgt Ion: 63 Resp: 5572

Ion Ratio Lower Upper

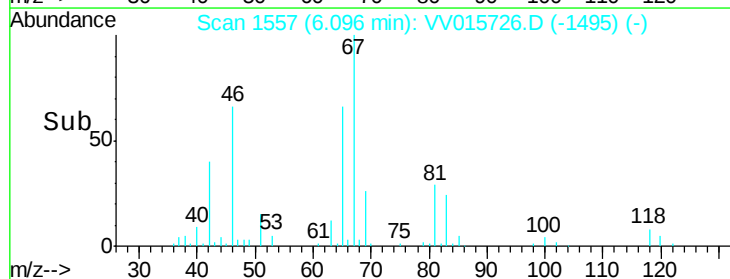
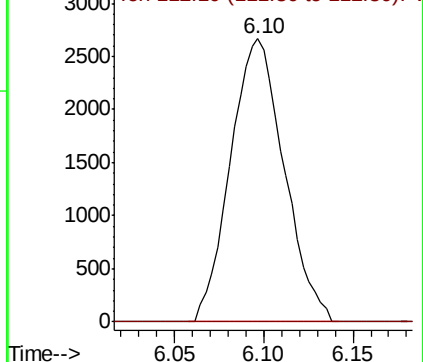
63 100

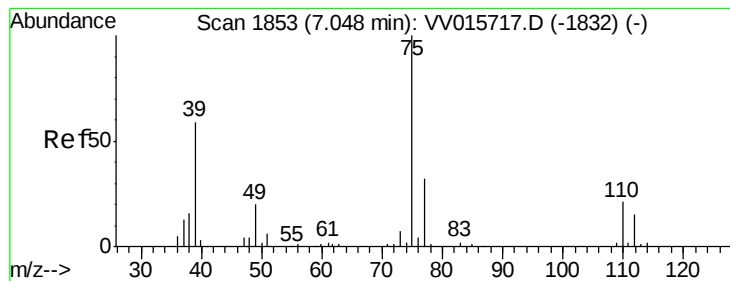
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



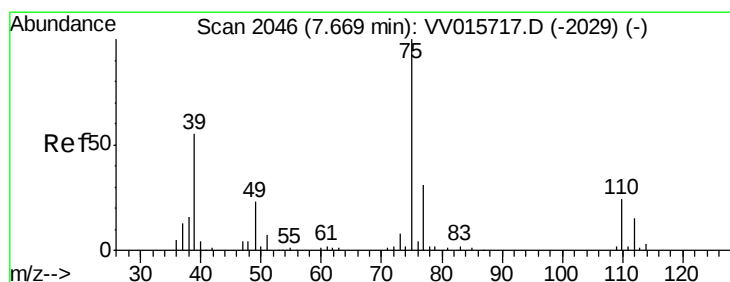
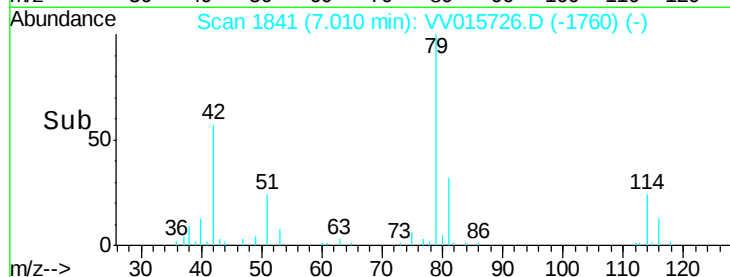
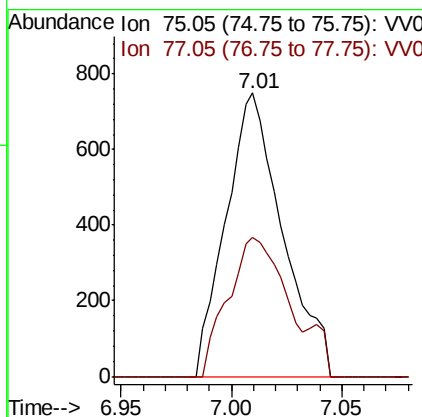
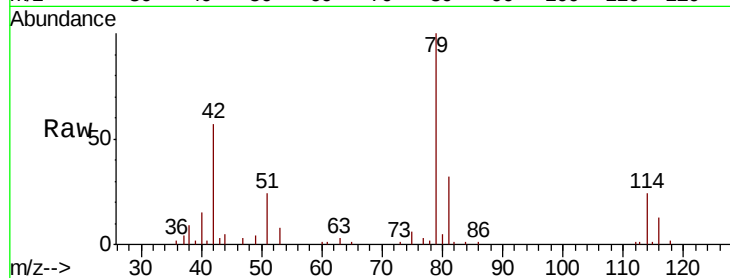


#39

cis-1,3-Dichloropropene
Concen: 0.110 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV015726.D
Acq: 27 Apr 2020 14:02

Instrument :
MSVOA_V
ClientSampleId :

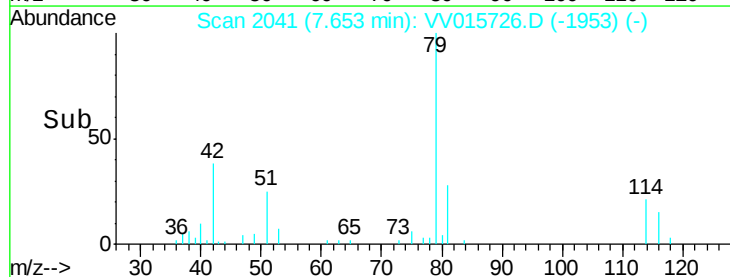
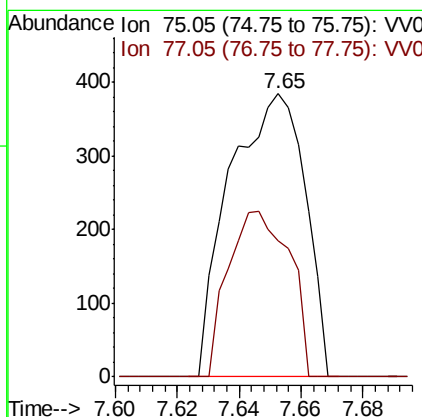
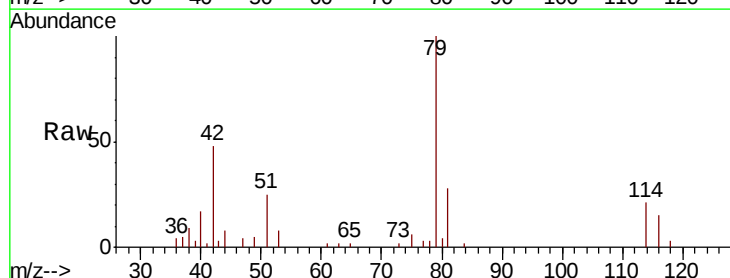
Tot Ion: 75 Resp: 1335
Ion Ratio Lower Upper
75 100
77 49.3 22.3 41.5#

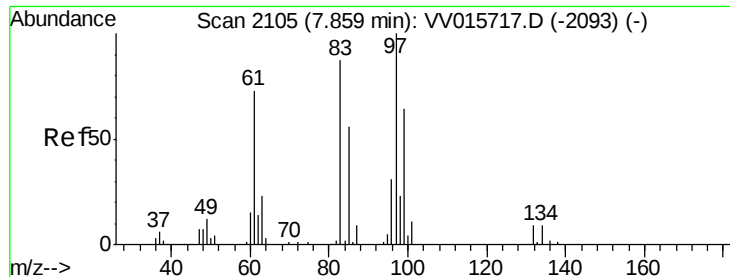


#44

trans-1,3-Dichloropropene
Concen: 0.064 ug/L
RT: 7.65 min Scan# 2041
Delta R.T. -0.02 min
Lab File: VV015726.D
Acq: 27 Apr 2020 14:02

Tgt Ion: 75 Resp: 649
Ion Ratio Lower Upper
75 100
77 47.9 21.8 40.6#

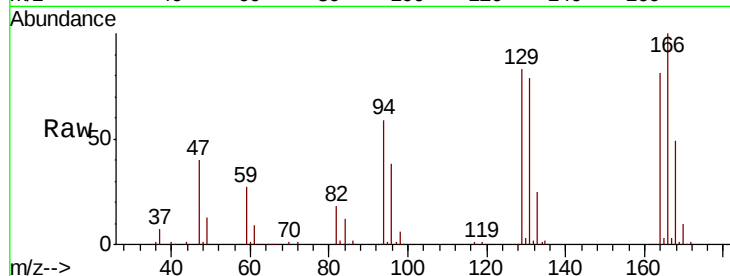




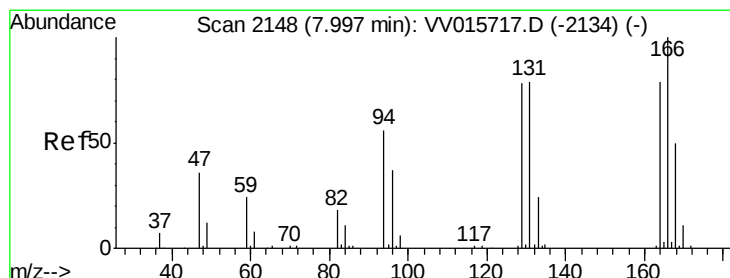
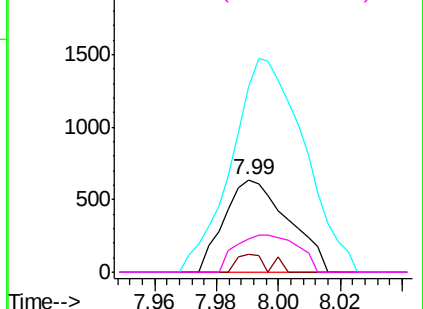
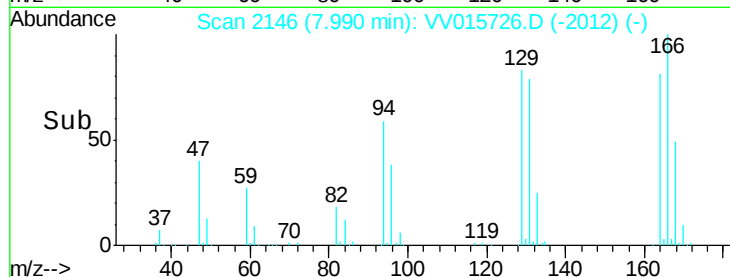
#45
 1,1,2-Trichloroethane
 Concen: 0.154 ug/L
 RT: 7.99 min Scan# 2146
 Delta R.T. 0.13 min
 Lab File: VV015726.D
 Acq: 27 Apr 2020 14:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	917
Ion	Ratio	Lower	Upper
97	100		
99	19.9	45.4	84.4#
83	201.1	61.3	113.9#
85	35.8	38.4	71.4#

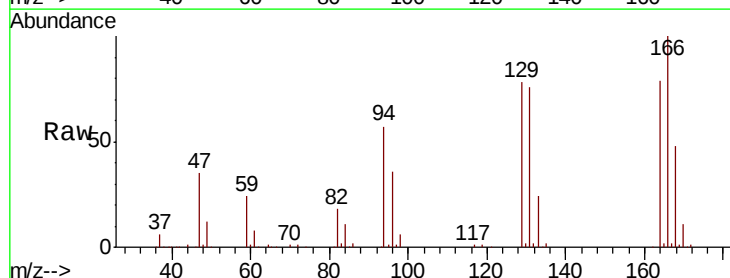


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

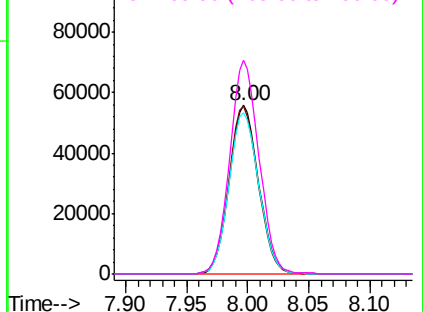
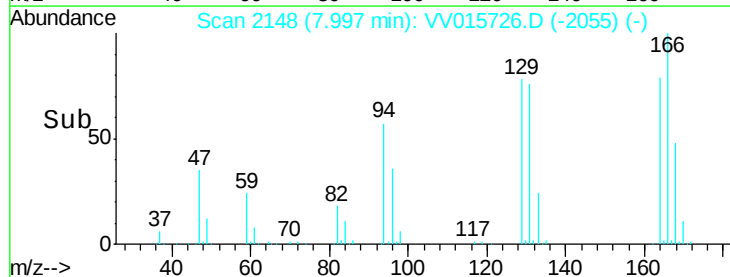


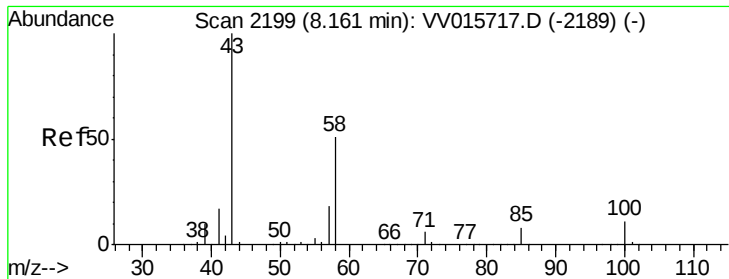
#47
 Tetrachloroethene
 Concen: 13.768 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015726.D
 Acq: 27 Apr 2020 14:02

Tgt Ion:	164	Resp:	93839
Ion	Ratio	Lower	Upper
164	100		
129	99.2	66.7	123.9
131	95.6	66.6	123.6
166	126.4	85.3	158.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 1.092 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV015726.D

Acq: 27 Apr 2020 14:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4402

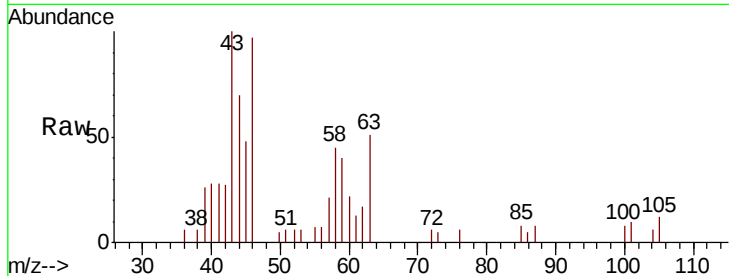
Ion Ratio Lower Upper

43 100

58 48.5 41.1 61.7

57 14.2 15.0 22.4#

100 8.2 9.0 13.4#

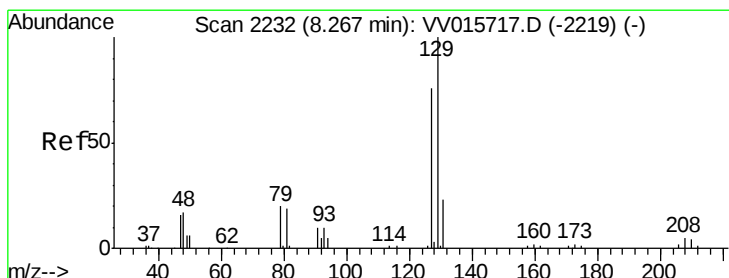
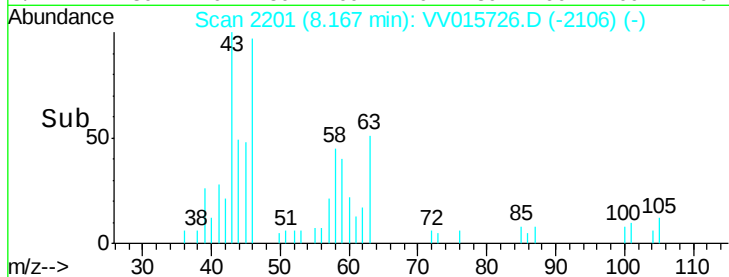
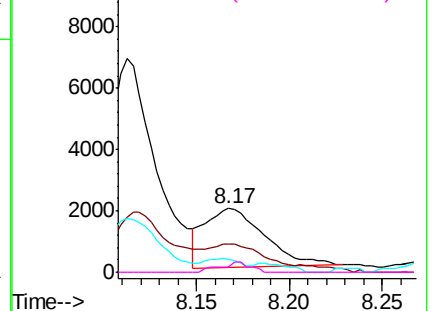


Abundance Ion 43.05 (42.75 to 43.75): VV015717.D (-2189) (-)

Ion 58.05 (57.75 to 58.75): VV015717.D (-2189) (-)

Ion 57.20 (56.90 to 57.90): VV015717.D (-2189) (-)

Ion 100.15 (99.85 to 100.85): VV015717.D (-2189) (-)



#49

Dibromochloromethane

Concen: 14.701 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015726.D

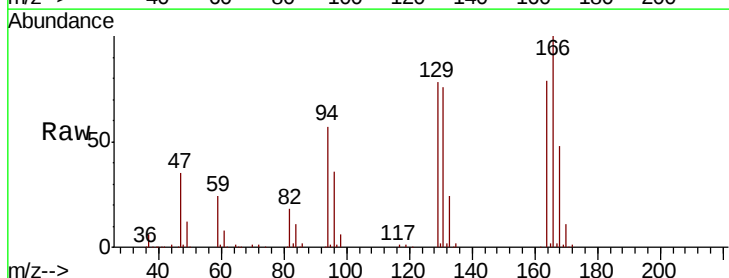
Acq: 27 Apr 2020 14:02

Tgt Ion: 129 Resp: 90351

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#



Abundance Ion 128.95 (128.65 to 129.65): VV015717.D (-2219) (-)

Ion 126.90 (126.60 to 127.60): VV015717.D (-2219) (-)

