

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062019\
 Data File : VV011628.D
 Acq On : 19 Jun 2019 19:48
 Operator : SY/MD
 Sample : K3415-16MS
 Misc : 25ML/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GALQ2MS

Quant Time: Jun 20 02:12:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 02:04:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	154653	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	147304	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58775	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63757	5.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.20%
7) Chloroethane-d5	1.56	69	44172	5.97	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.40%
11) 1,1-Dichloroethene-d2	2.12	63	117091	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.40%
20) 2-Butanone-d5	3.94	46	157794	48.03	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.06%
24) Chloroform-d	4.40	84	96681	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.08	65	65782	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.09	84	231905	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.12	67	70076	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	202999	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.66	79	21966	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.13	63	118616	44.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47391	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	67161	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1455	0.097 ug/L	93
6) Bromomethane	1.51	94	892	0.145 ug/L	83
8) Chloroethane	1.69	64	712	0.100 ug/L #	57
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1019	0.110 ug/L #	20
12) 1,1-Dichloroethene	2.13	96	46338	4.818 ug/L	85
25) Chloroform	4.42	83	29526	1.308 ug/L	98
27) 1,2-Dichloroethane	5.14	62	2791	0.175 ug/L #	77
31) Carbon tetrachloride	4.87	117	15060	1.015 ug/L	99
33) Benzene	5.14	78	240099	4.990 ug/L	100
34) Trichloroethene	5.96	95	60299	4.915 ug/L	97
35) Methylcyclohexane	6.11	83	16950	0.969 ug/L #	15
37) 1,2-Dichloropropane	6.12	63	8897	0.695 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1909	0.118 ug/L	98
42) Toluene	7.43	91	249713	5.008 ug/L	100
47) Tetrachloroethene	8.02	164	982	0.112 ug/L	92
48) 2-Hexanone	8.13	43	16879	2.630 ug/L #	70
49) Dibromochloromethane	8.02	129	954	0.111 ug/L #	12

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 20 02:04:09 2019
Response via : Initial Calibration

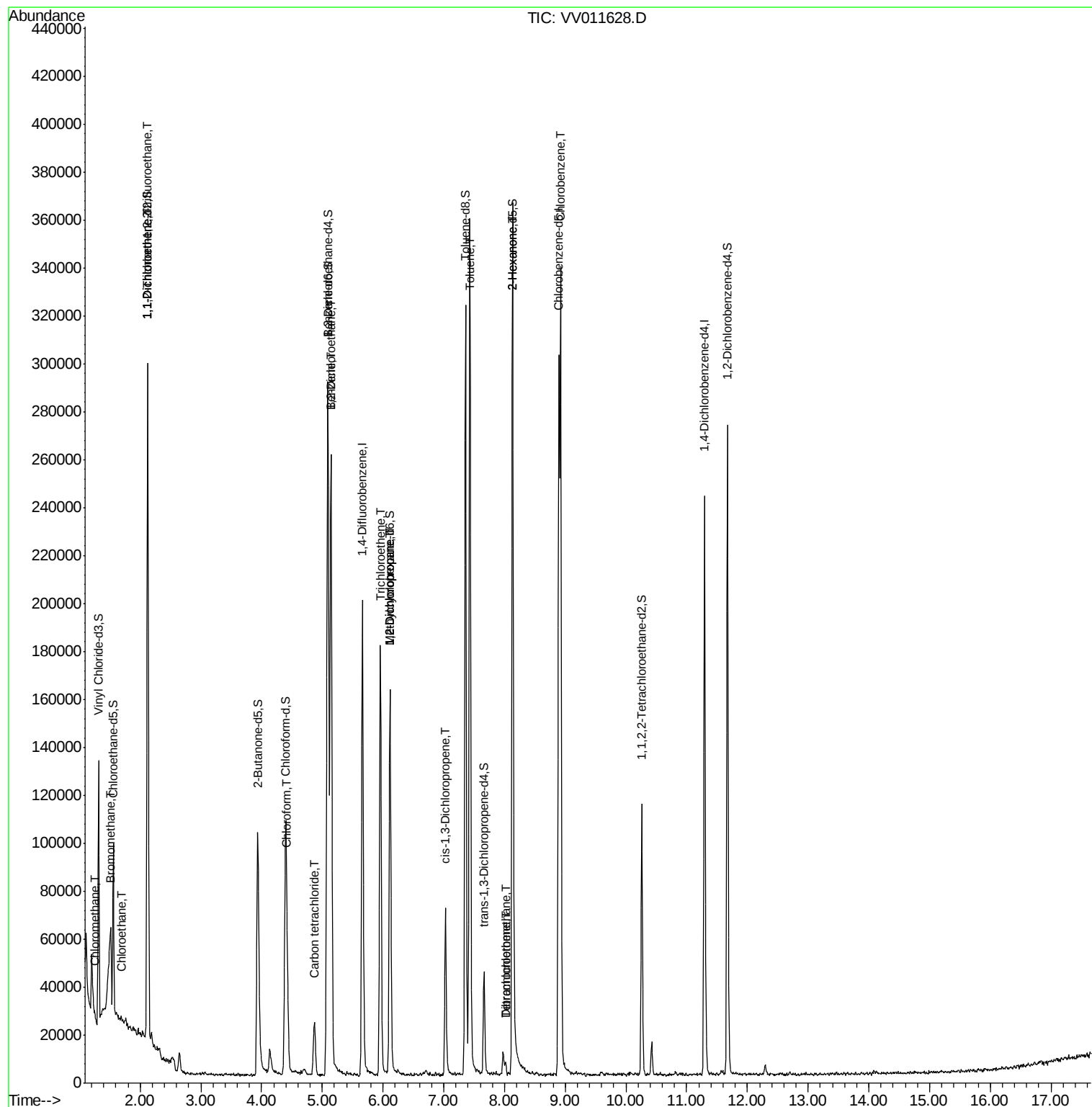
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	8.92	112	159911	5.222	ug/L	99

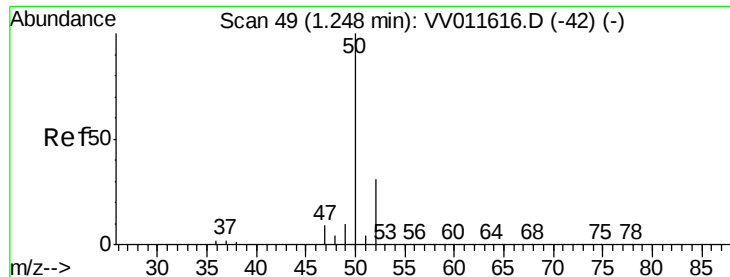
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV062019\
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.097 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

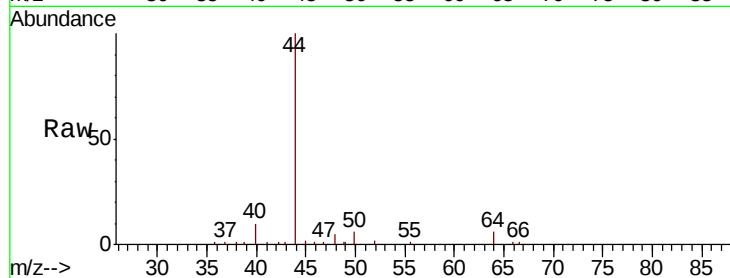
GALQ2MS

Tgt Ion: 50 Resp: 1455

Ion Ratio Lower Upper

50 100

52 36.5 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV011616.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV011616.D (-42) (-)

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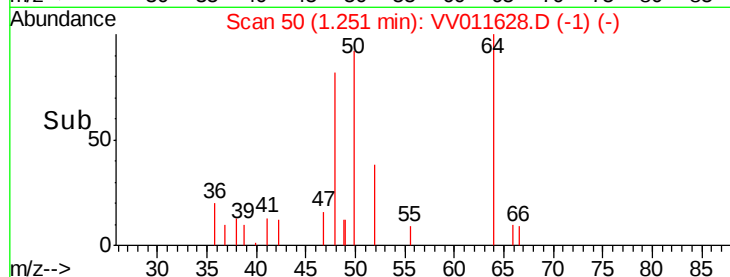
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Abundance Ion 50.05 (49.75 to 50.75): VV011616.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV011616.D (-42) (-)

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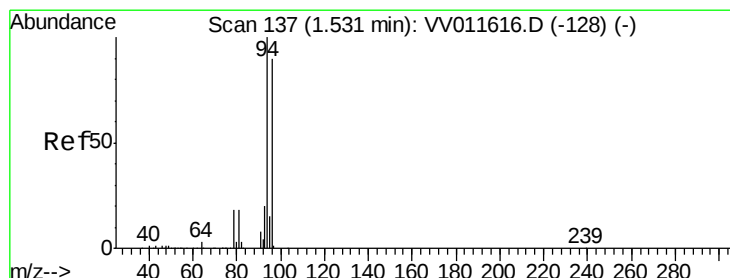
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#6

Bromomethane

Concen: 0.145 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.02 min

Lab File: VV011628.D

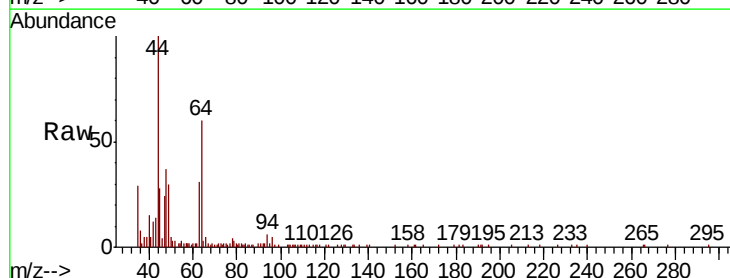
Acq: 19 Jun 2019 19:48

Tgt Ion: 94 Resp: 892

Ion Ratio Lower Upper

94 100

96 77.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV011616.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV011616.D (-128) (-)

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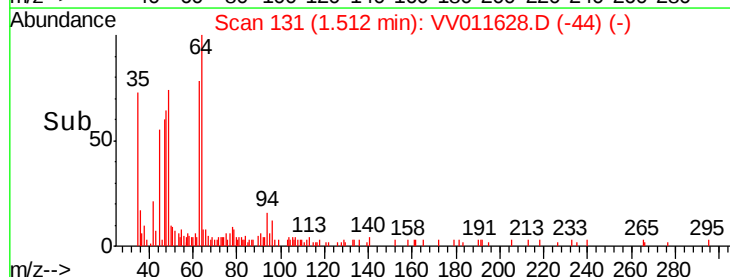
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Abundance Ion 94.00 (93.70 to 94.70): VV011616.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV011616.D (-128) (-)

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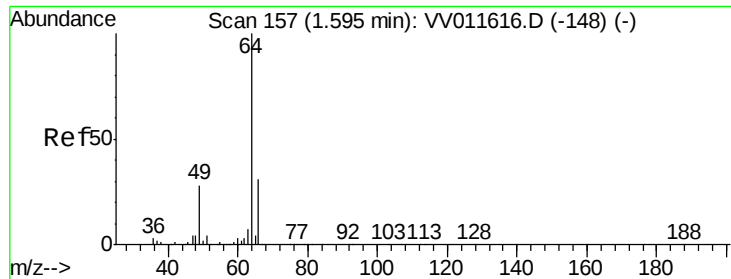
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#8

Chloroethane

Concen: 0.100 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.10 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

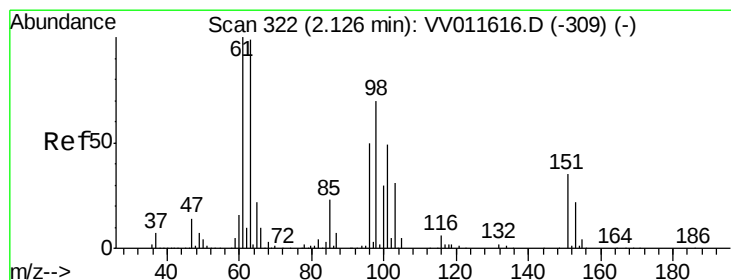
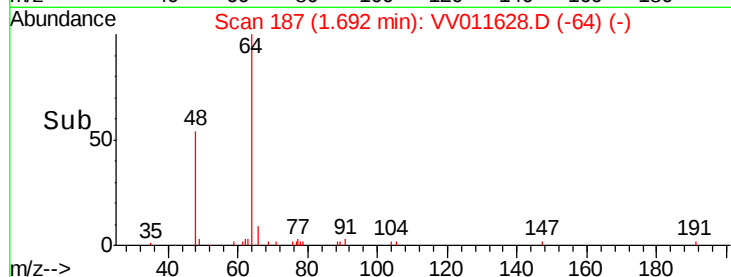
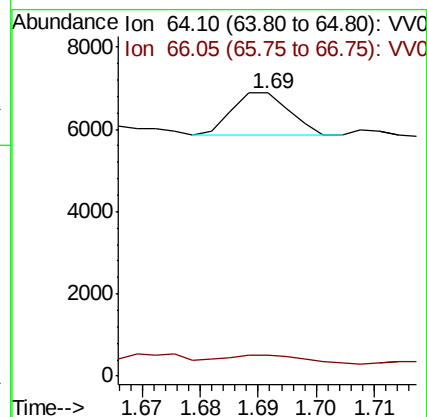
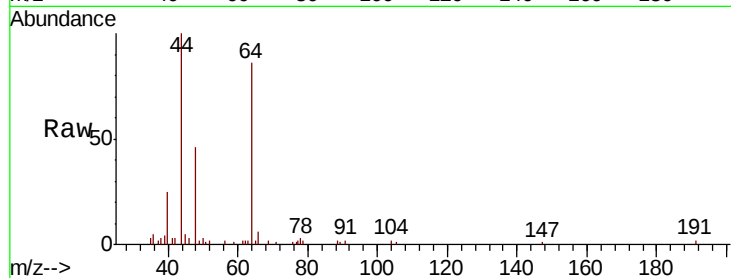
GALQ2MS

Tgt Ion: 64 Resp: 712

Ion Ratio Lower Upper

64 100

66 7.4 21.6 40.2#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.110 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

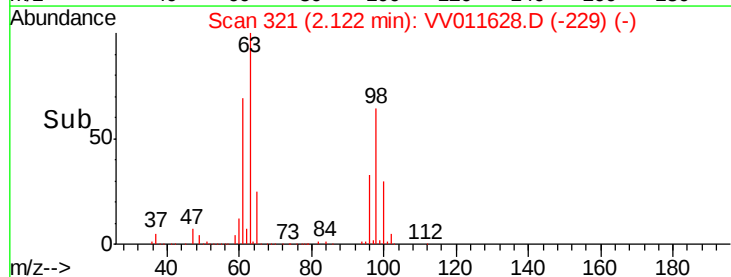
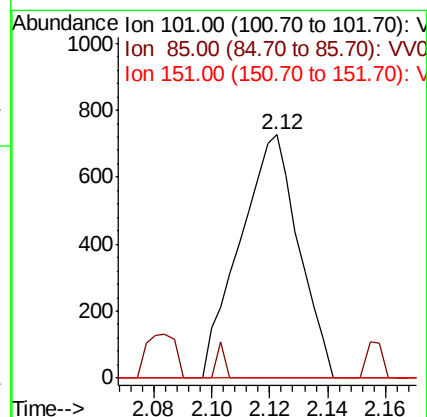
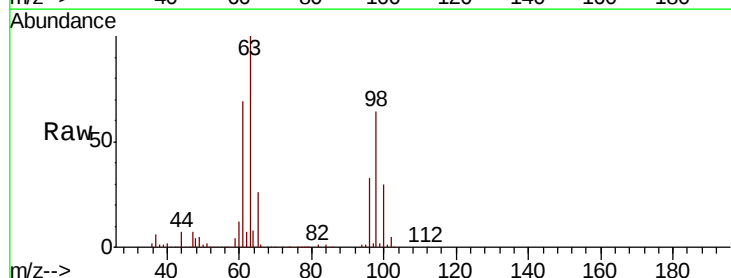
Tgt Ion: 101 Resp: 1019

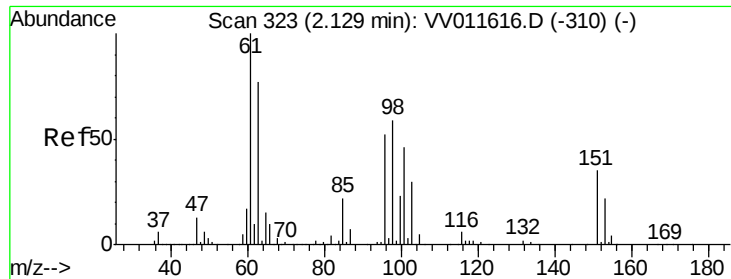
Ion Ratio Lower Upper

101 100

85 2.1 37.3 55.9#

151 0.0 59.4 89.2#





#12

1,1-Dichloroethene

Concen: 4.818 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

GALQ2MS

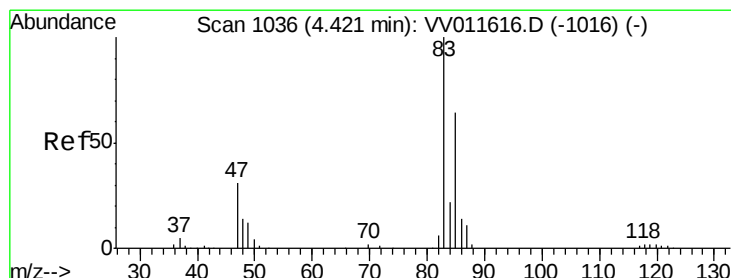
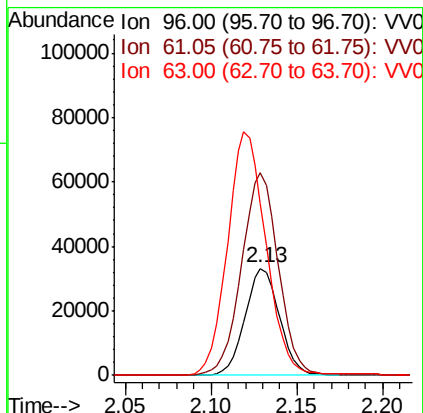
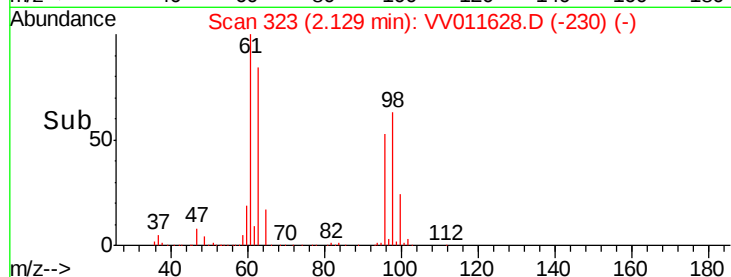
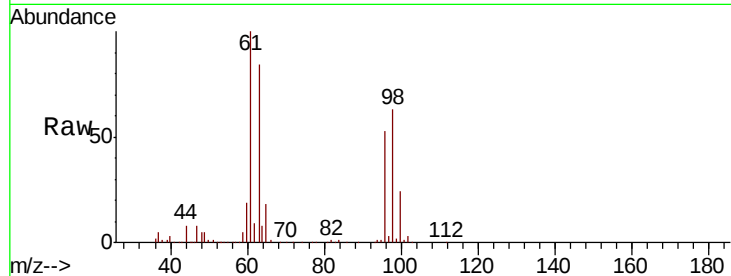
Tgt Ion: 96 Resp: 46338

Ion Ratio Lower Upper

96 100

61 189.2 135.9 252.5

63 159.9 86.2 160.2



#25

Chloroform

Concen: 1.308 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV011628.D

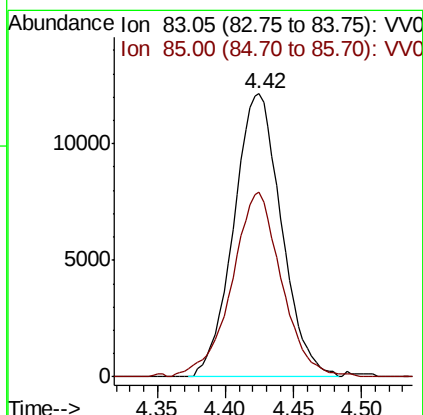
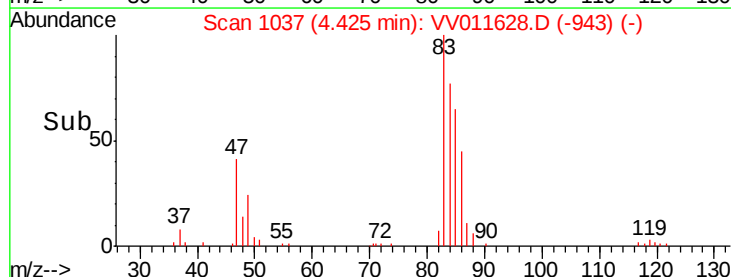
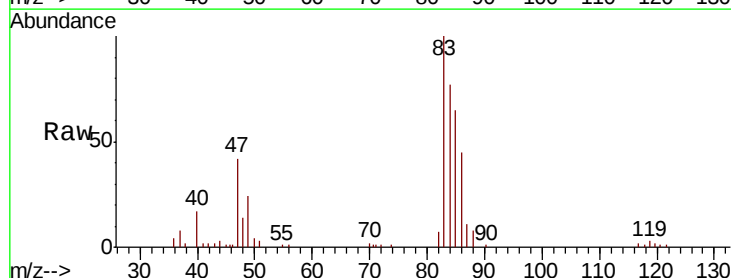
Acq: 19 Jun 2019 19:48

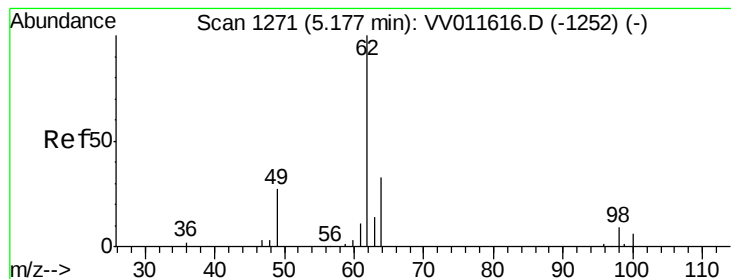
Tgt Ion: 83 Resp: 29526

Ion Ratio Lower Upper

83 100

85 65.1 44.6 82.8





#27

1,2-Dichloroethane

Concen: 0.175 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.03 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

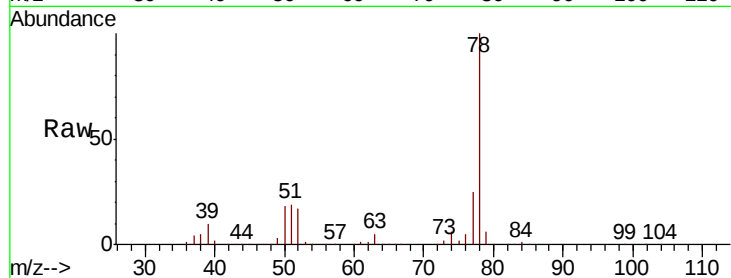
GALQ2MS

Tgt Ion: 62 Resp: 2791

Ion Ratio Lower Upper

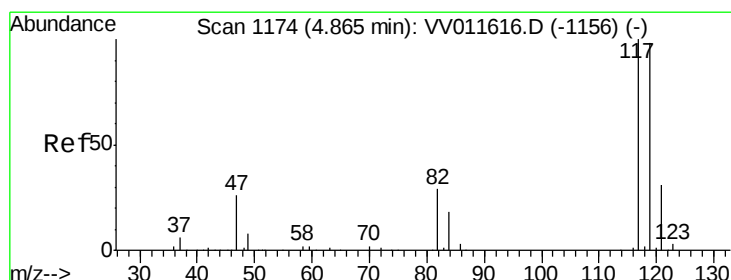
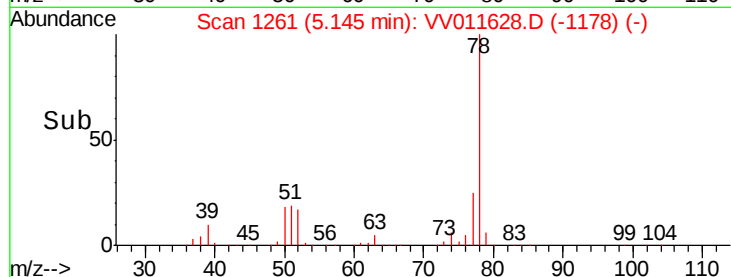
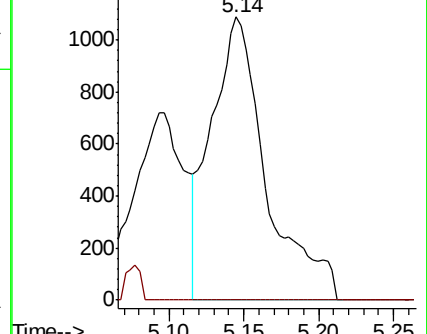
62 100

98 0.0 6.5 9.7#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#31

Carbon tetrachloride

Concen: 1.015 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011628.D

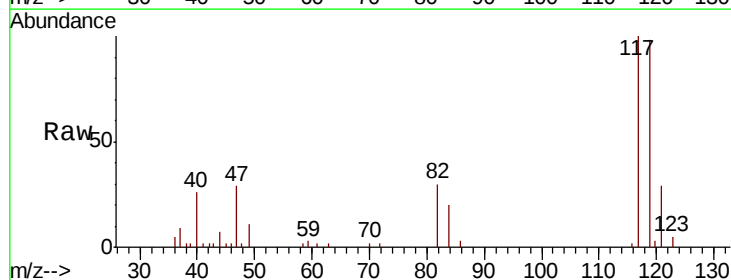
Acq: 19 Jun 2019 19:48

Tgt Ion: 117 Resp: 15060

Ion Ratio Lower Upper

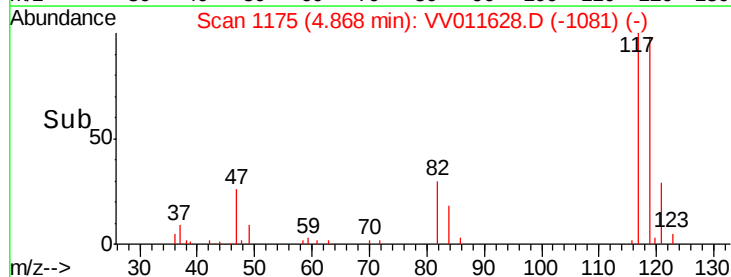
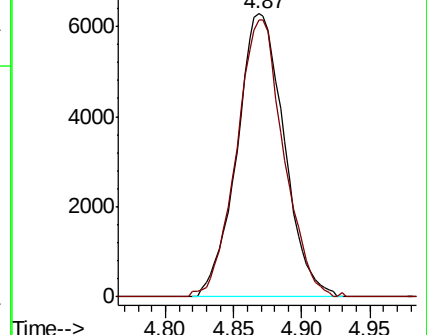
117 100

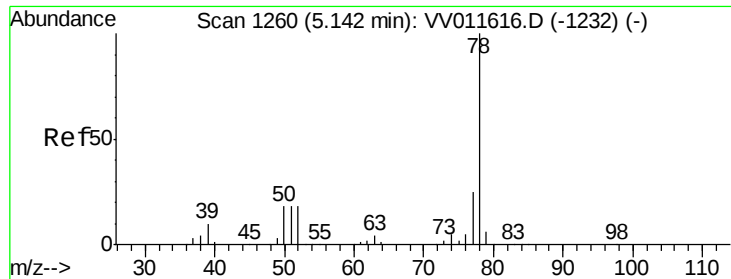
119 97.8 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V





#33

Benzene

Concen: 4.990 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

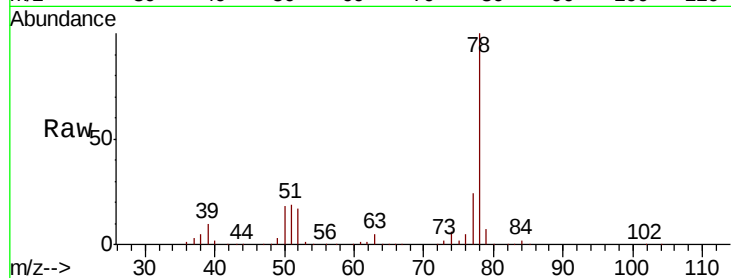
Instrument :

MSVOA_V

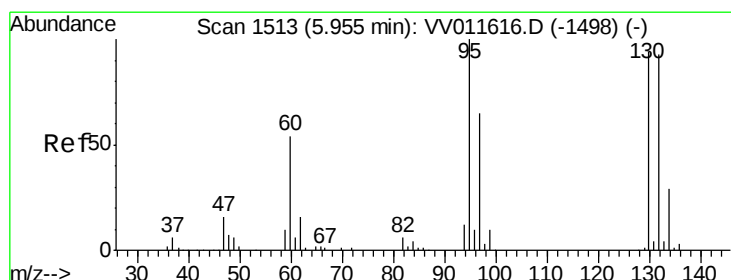
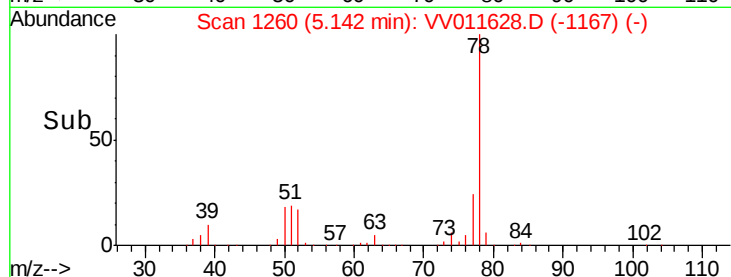
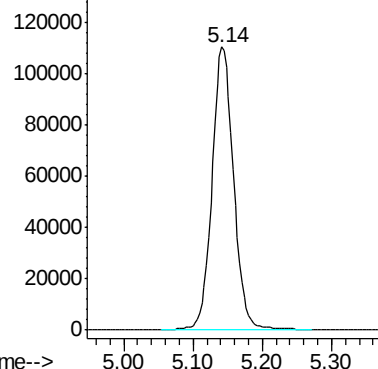
ClientSampleId :

GALQ2MS

Tgt Ion: 78 Resp: 240099



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.915 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

Tgt Ion: 95 Resp: 60299

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.4	82.4
132	96.9	63.5	117.9
130	96.8	68.5	127.3

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

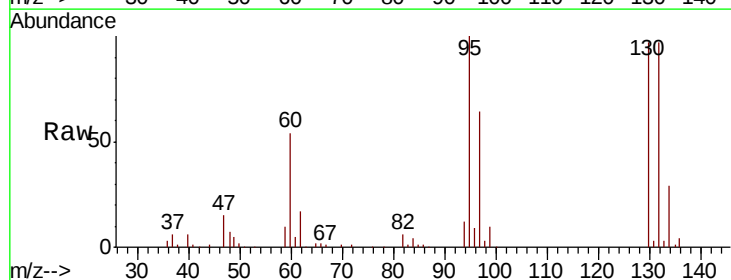
Ion 129.95 (129.65 to 130.65): VV0

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

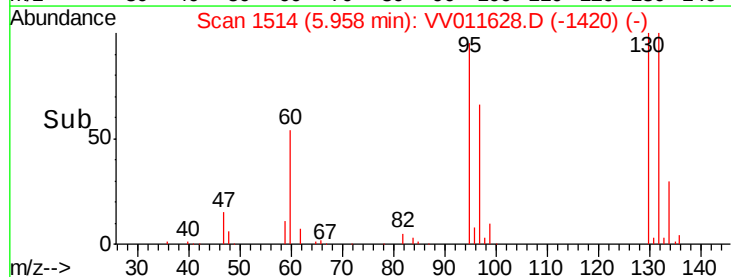


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



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

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

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

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

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

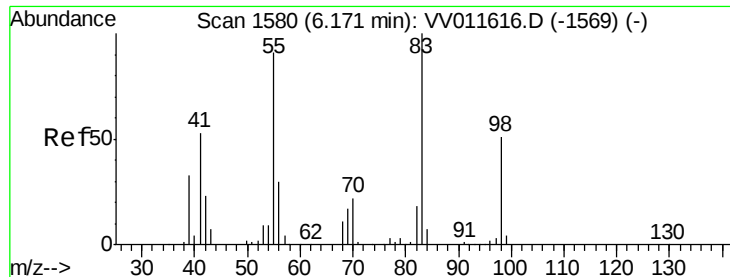
Ion 129.95 (129.65 to 130.65): VV0

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: 0.969 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

GALQ2MS

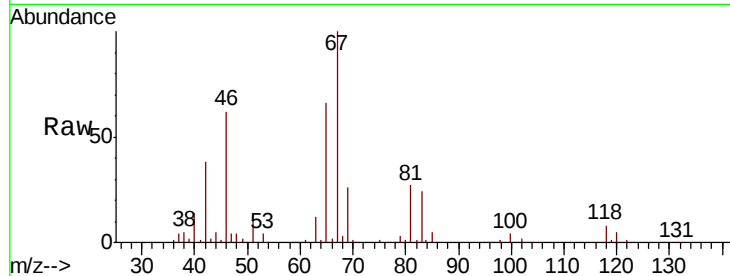
Tgt Ion: 83 Resp: 16950

Ion Ratio Lower Upper

83 100

55 1.0 67.9 101.9#

98 0.0 39.6 59.4#



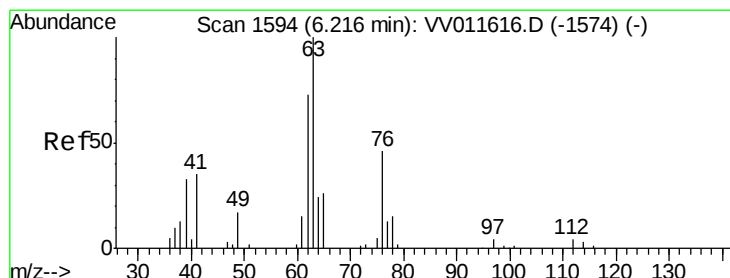
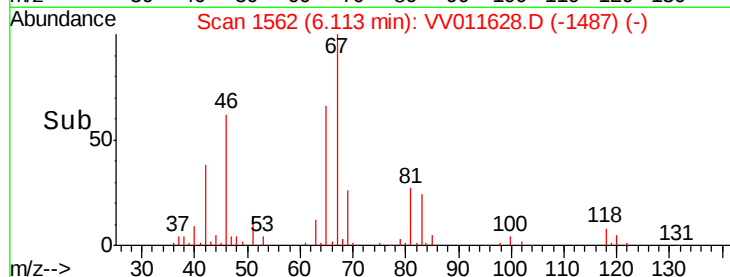
Abundance Ion 83.15 (82.85 to 83.85): VV011616.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV011616.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV011616.D (-1569) (-)

6.11

Time-->



#37

1,2-Dichloropropane

Concen: 0.695 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011628.D

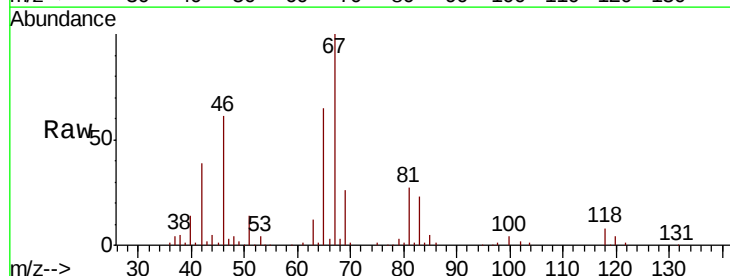
Acq: 19 Jun 2019 19:48

Tgt Ion: 63 Resp: 8897

Ion Ratio Lower Upper

63 100

112 0.5 3.7 5.5#

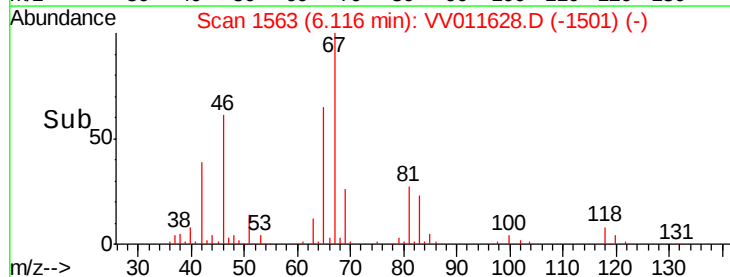


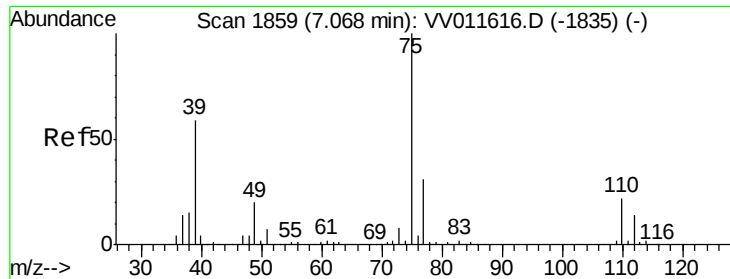
Abundance Ion 63.10 (62.80 to 63.80): VV011616.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV011616.D (-1574) (-)

6.12

Time-->

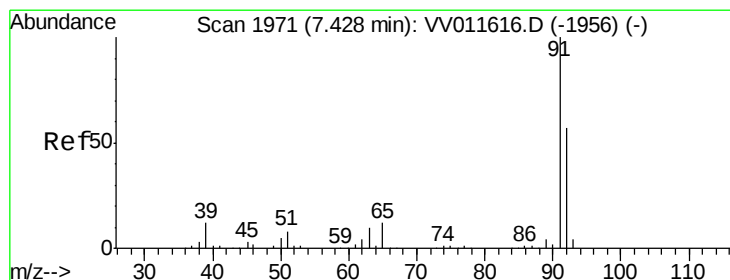
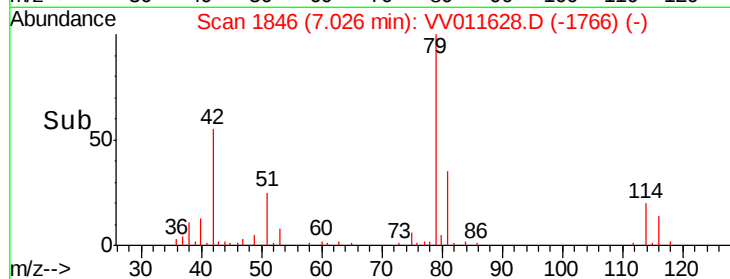
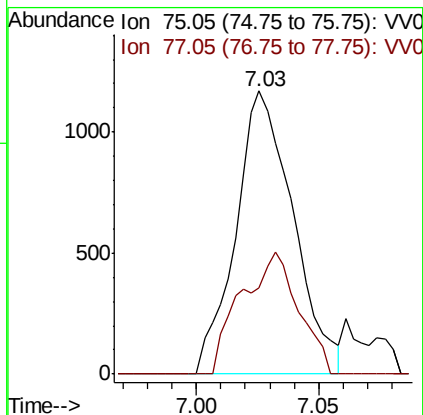
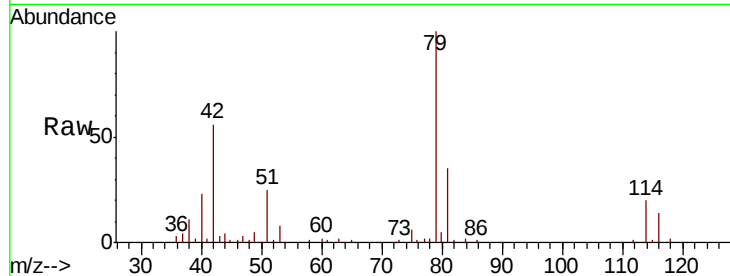




#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011628.D
 Acq: 19 Jun 2019 19:48

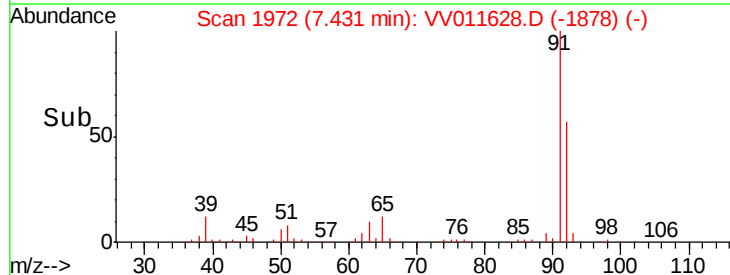
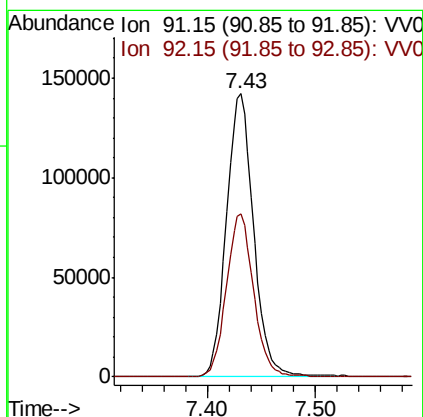
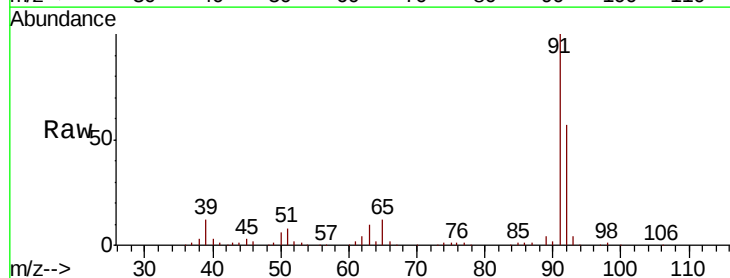
Instrument :
 MSVOA_V
 ClientSampleId :
 GALQ2MS

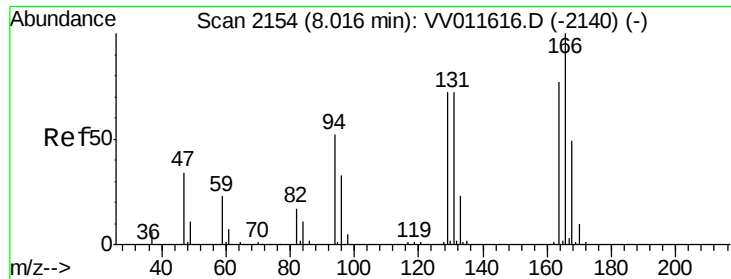
Tgt Ion: 75 Resp: 1909
 Ion Ratio Lower Upper
 75 100
 77 30.5 20.6 38.4



#42
 Toluene
 Concen: 5.008 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV011628.D
 Acq: 19 Jun 2019 19:48

Tgt Ion: 91 Resp: 249713
 Ion Ratio Lower Upper
 91 100
 92 57.5 40.5 75.1

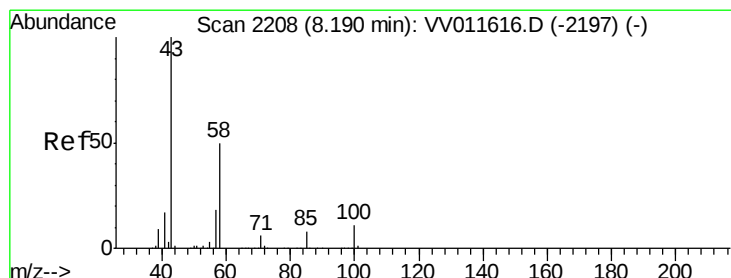
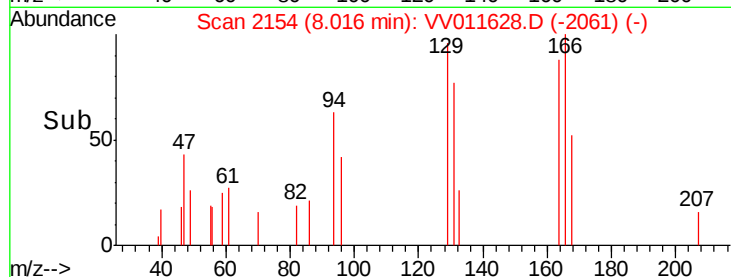
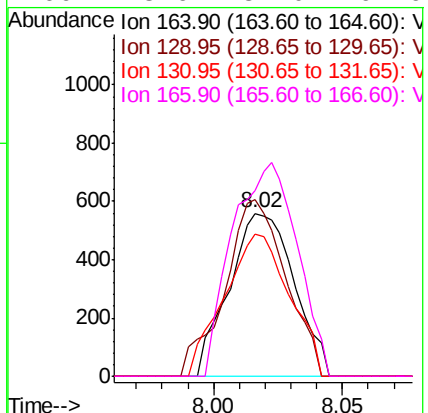
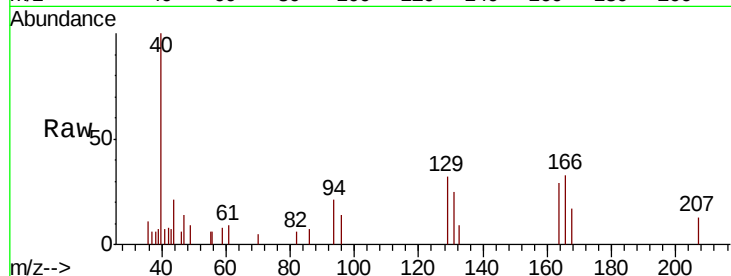




#47
Tetrachloroethene
Concen: 0.112 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011628.D
Acq: 19 Jun 2019 19:48

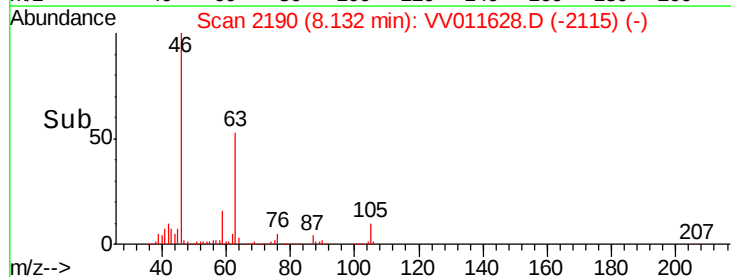
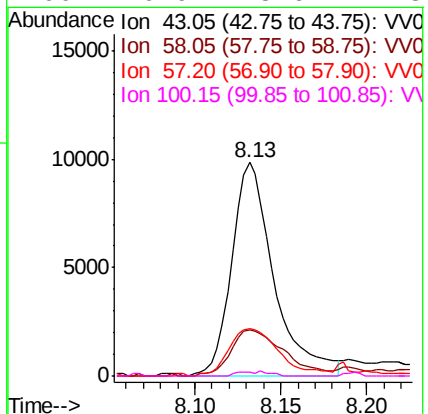
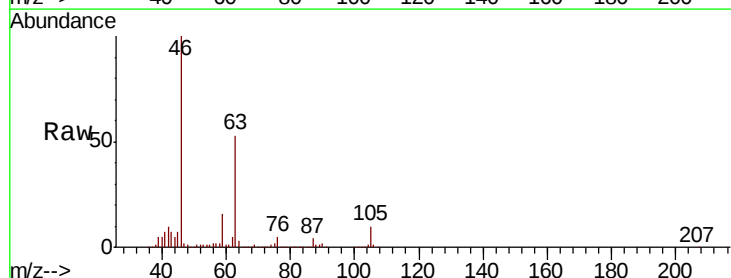
Instrument :
MSVOA_V
ClientSampleId :
GALQ2MS

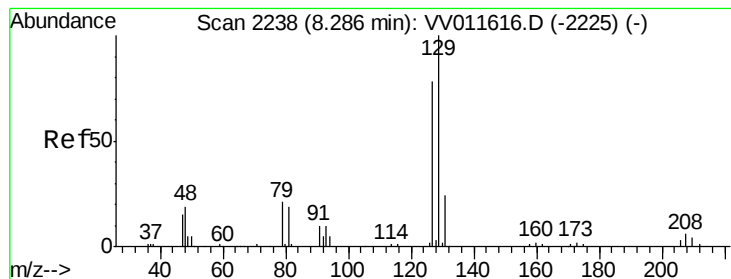
Tgt Ion:164 Resp: 982
Ion Ratio Lower Upper
164 100
129 108.8 68.8 127.8
131 87.1 63.2 117.4
166 113.6 87.0 161.6



#48
2-Hexanone
Concen: 2.630 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.06 min
Lab File: VV011628.D
Acq: 19 Jun 2019 19:48

Tgt Ion: 43 Resp: 16879
Ion Ratio Lower Upper
43 100
58 27.1 40.6 60.8#
57 26.4 14.2 21.4#
100 0.9 8.6 12.8#





#49

Dibromochloromethane

Concen: 0.111 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

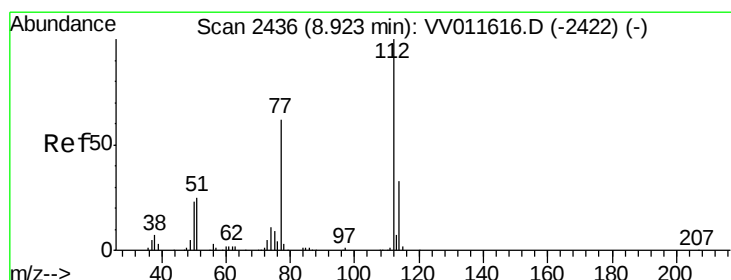
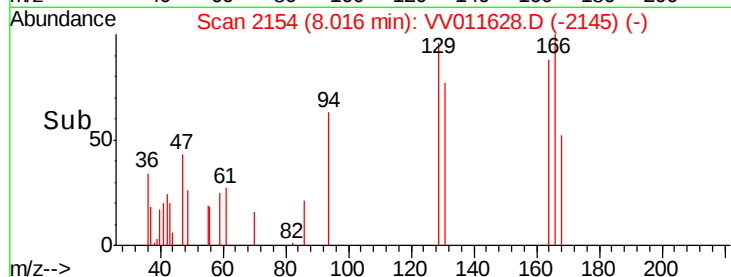
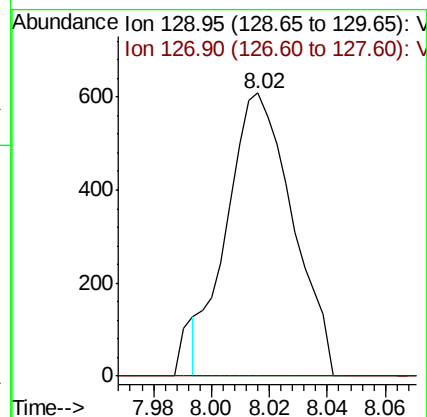
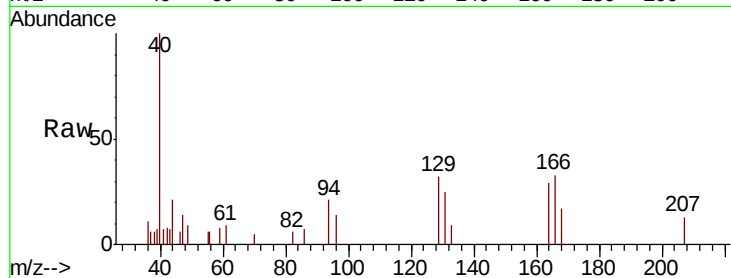
GALQ2MS

Tgt Ion:129 Resp: 954

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.6#



#51

Chlorobenzene

Concen: 5.222 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011628.D

Acq: 19 Jun 2019 19:48

Tgt Ion:112 Resp: 159911

Ion Ratio Lower Upper

112 100

114 32.9 21.9 40.7

77 61.5 49.3 73.9

