

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013795.D
 Acq On : 26 Nov 2019 18:51
 Operator : SY/MD
 Sample : K6003-02DL 20X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:12:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	335148	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	335905	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	142950	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82166	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.58	69	79704	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.12	63	120673	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	3.96	46	262362	60.84	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.68%
24) Chloroform-d	4.40	84	193491	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.08	65	101271	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.09	84	366062	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.11	67	117159	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.36	98	282461	3.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.40%#
43) trans-1,3-Dichloropropene-	7.66	79	38449	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.14	63	181603	48.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	92899	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	126871	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

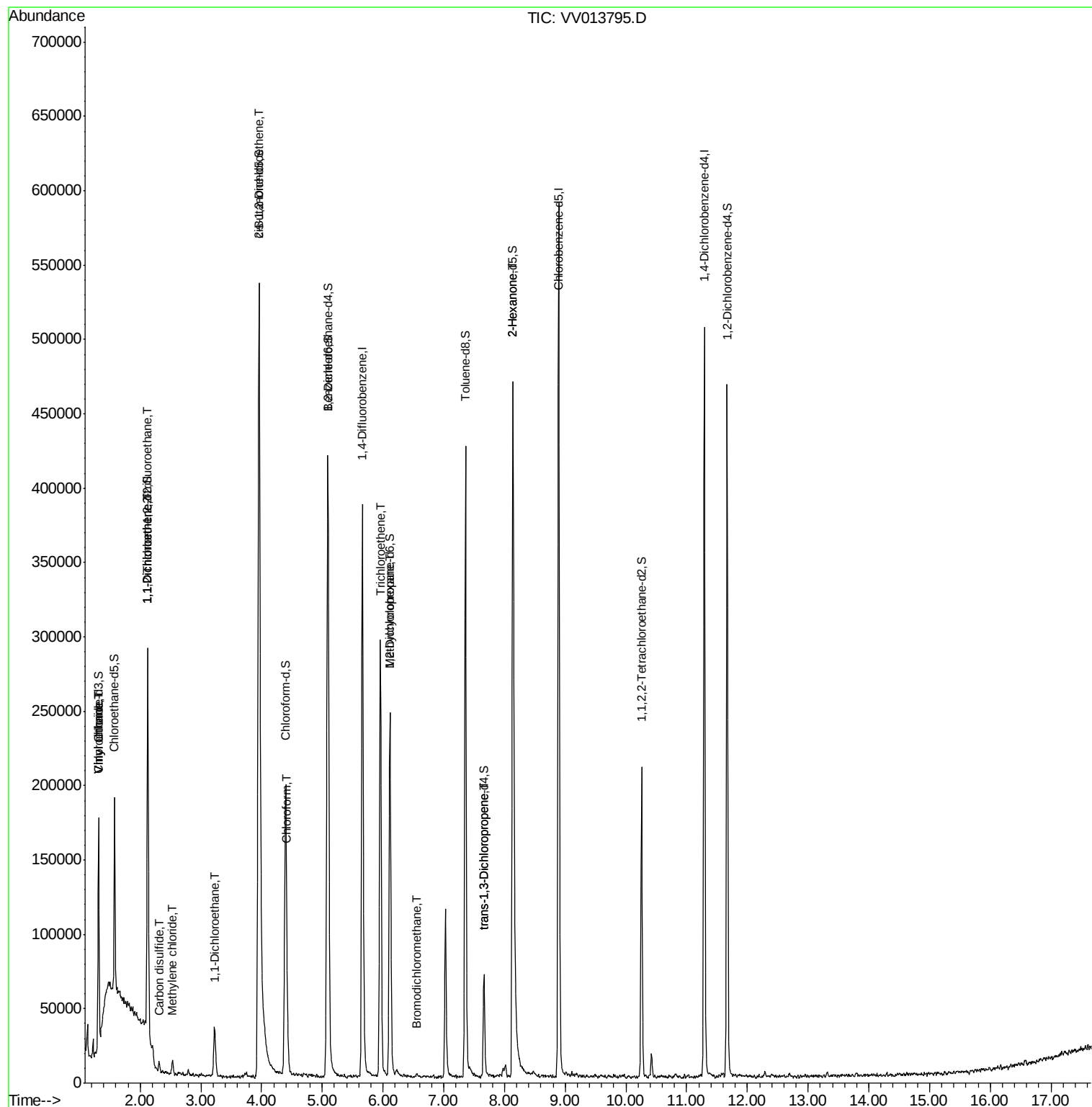
					Ovalue
5) Vinyl chloride	1.32	62	14208	0.710 ug/L #	72
8) Chloroethane	1.32	64	6758	0.560 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1392	0.075 ug/L #	19
12) 1,1-Dichloroethene	2.14	96	18684	1.160 ug/L #	26
14) Carbon disulfide	2.31	76	8632	0.232 ug/L #	90
16) Methylene chloride	2.53	84	3937	0.178 ug/L	83
19) 1,1-Dichloroethane	3.23	63	33068	0.910 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	254669	11.935 ug/L	96
25) Chloroform	4.42	83	13154	0.342 ug/L	89
34) Trichloroethene	5.96	95	103342	4.547 ug/L	98
35) Methylcyclohexane	6.12	83	29839	0.984 ug/L #	20
38) Bromodichloromethane	6.55	83	1432	0.051 ug/L #	80
44) trans-1,3-Dichloropropene	7.66	75	1609	0.068 ug/L	98
48) 2-Hexanone	8.14	43	23508	2.665 ug/L #	81

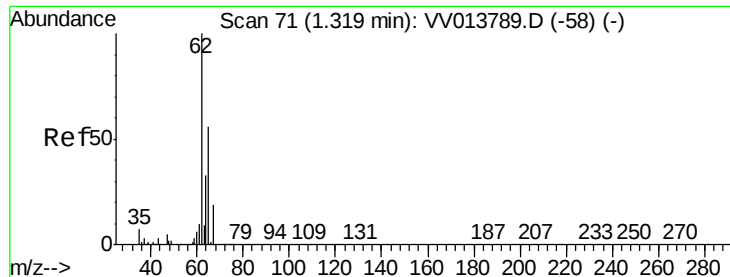
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 03:09:16 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.710 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

Instrument :

MSVOA_V

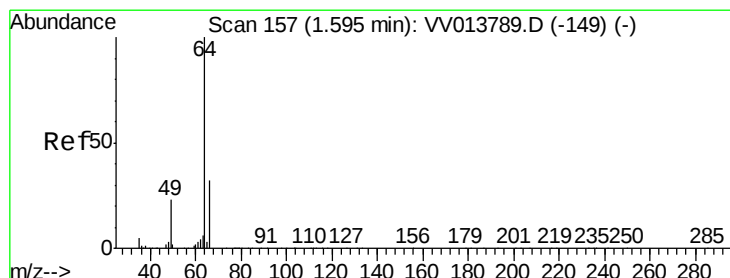
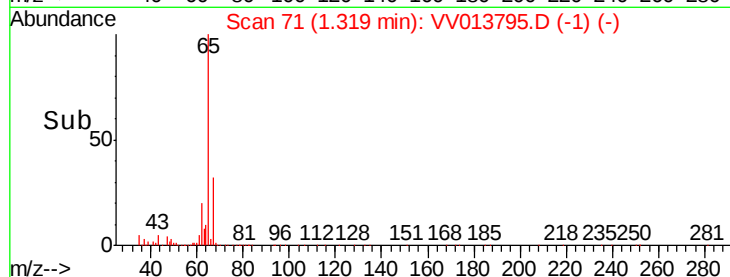
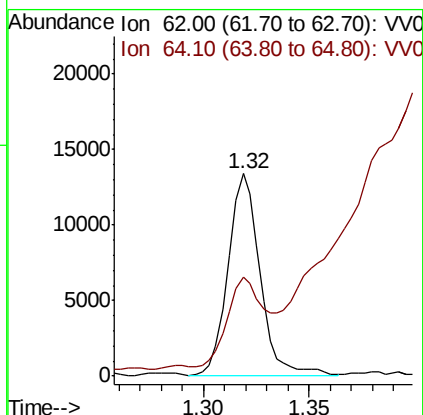
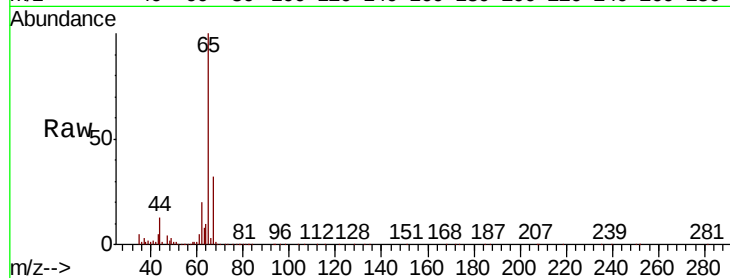
ClientSampleId :

Tot Ion: 62 Resp: 14208

Ion Ratio Lower Upper

62 100

64 49.1 23.3 43.3#



#8

Chloroethane

Concen: 0.560 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV013795.D

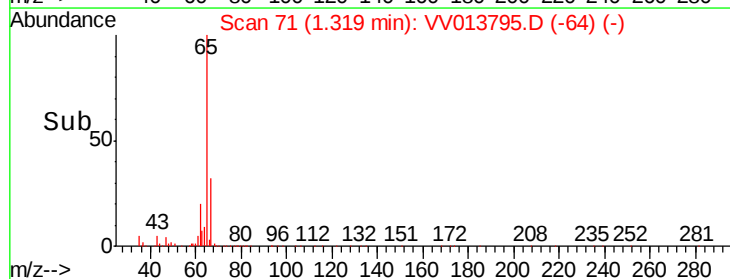
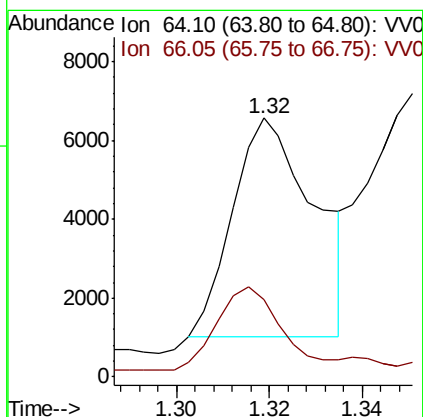
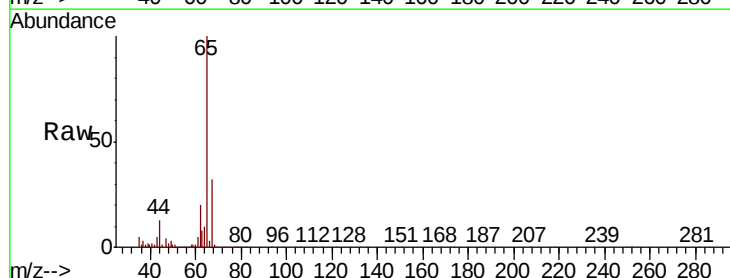
Acq: 26 Nov 2019 18:51

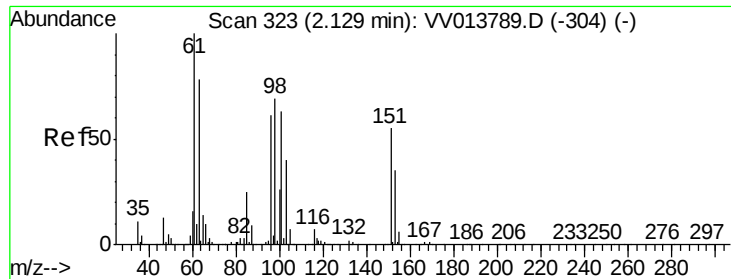
Tgt Ion: 64 Resp: 6758

Ion Ratio Lower Upper

64 100

66 29.8 22.6 42.0





#10

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

Concen: 0.075 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

Instrument :

MSVOA_V

ClientSampled :

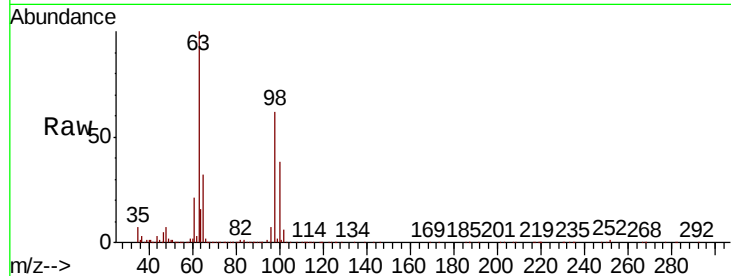
Tot Ion:101 Resp: 1392

Ion Ratio Lower Upper

101 100

85 7.0 33.4 50.0#

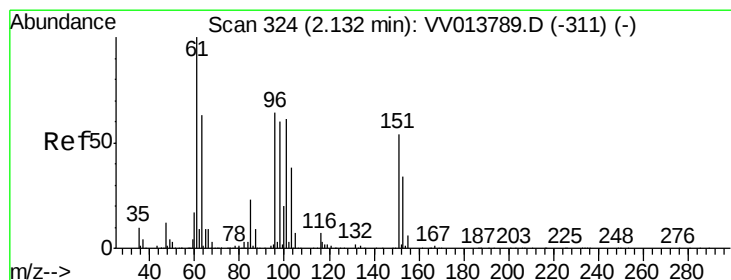
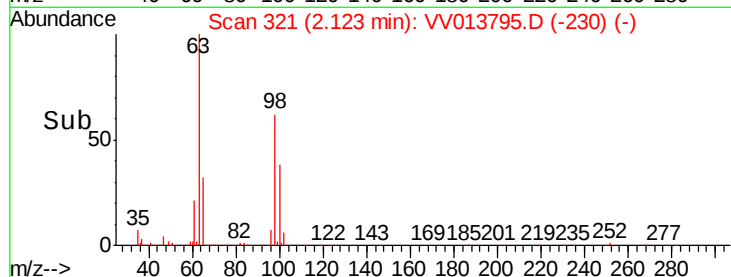
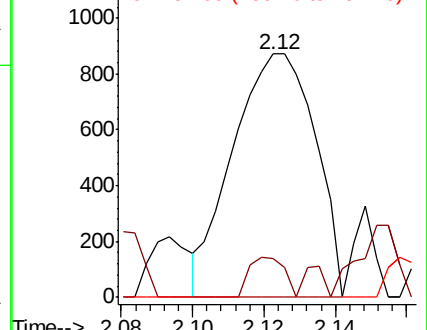
151 0.0 69.4 104.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.160 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

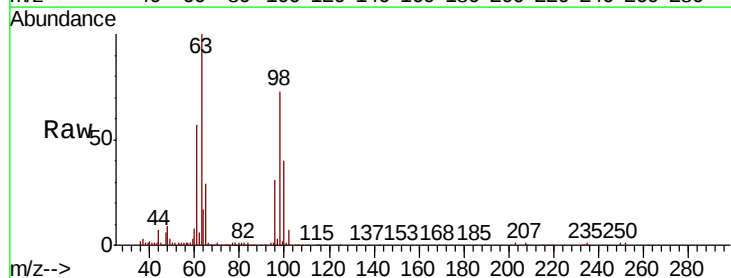
Tgt Ion: 96 Resp: 18684

Ion Ratio Lower Upper

96 100

61 181.2 116.3 215.9

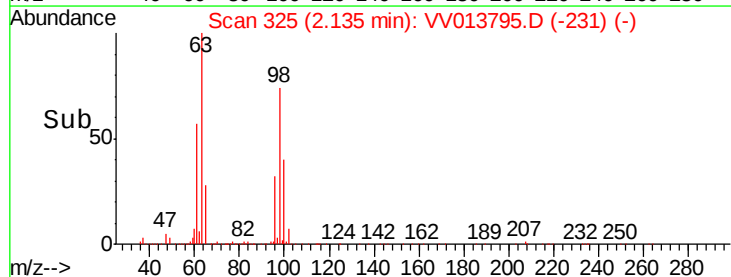
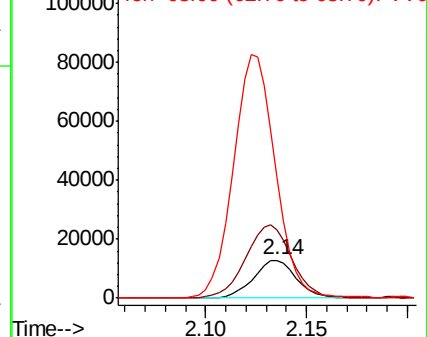
63 318.6 96.7 179.7#

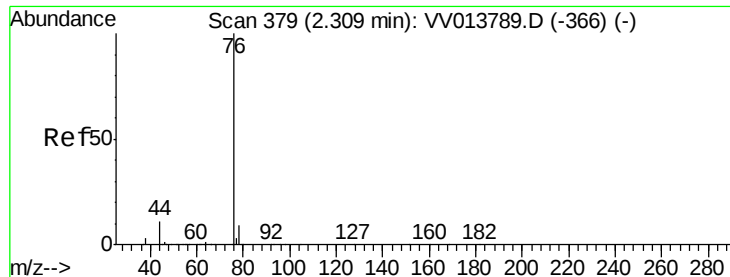


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.232 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

Instrument :

MSVOA_V

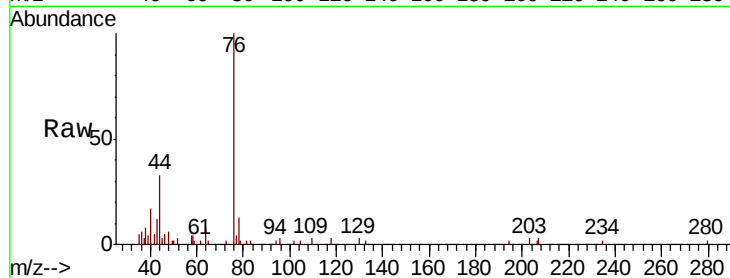
ClientSampleId :

Tot Ion: 76 Resp: 8632

Ion Ratio Lower Upper

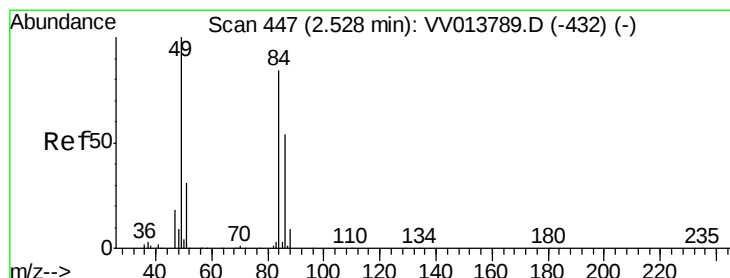
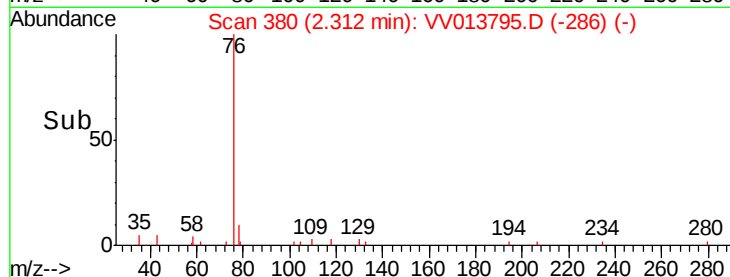
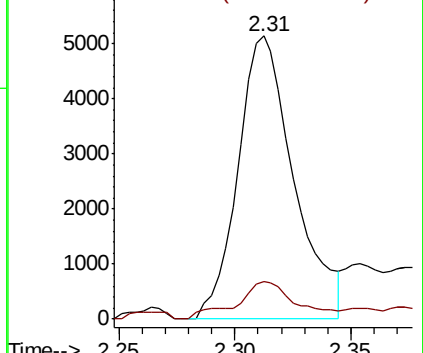
76 100

78 13.2 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.178 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

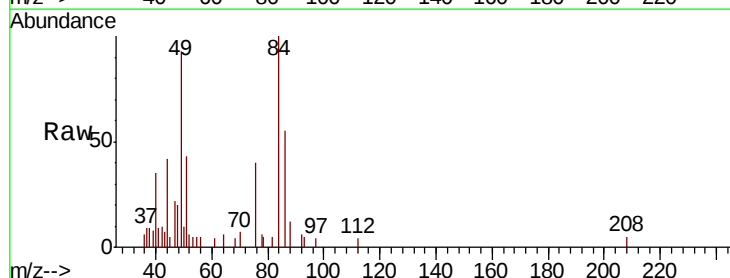
Tgt Ion: 84 Resp: 3937

Ion Ratio Lower Upper

84 100

86 55.0 44.0 81.6

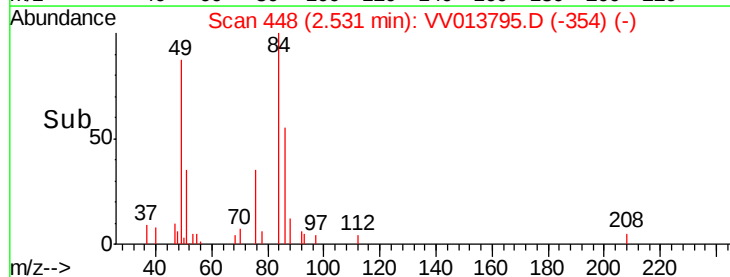
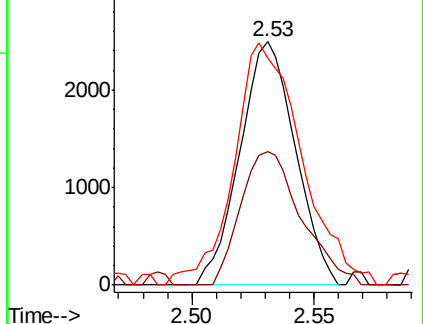
49 93.3 81.5 151.5

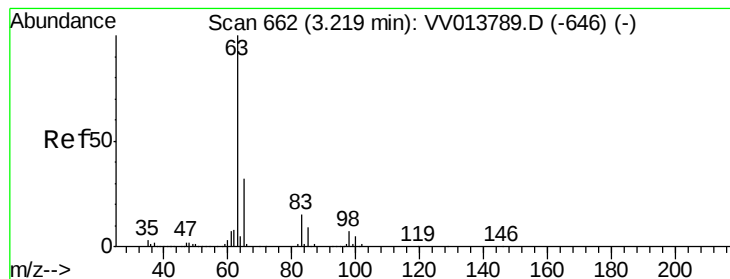


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#19

1,1-Dichloroethane

Concen: 0.910 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.01 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

Instrument :

MSVOA_V

ClientSampleId :

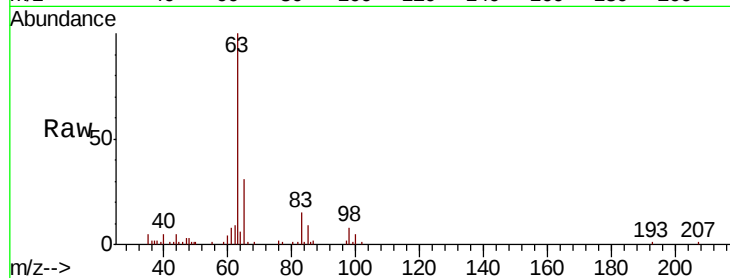
Tot Ion: 63 Resp: 33068

Ion Ratio Lower Upper

63 100

65 31.0 22.7 42.1

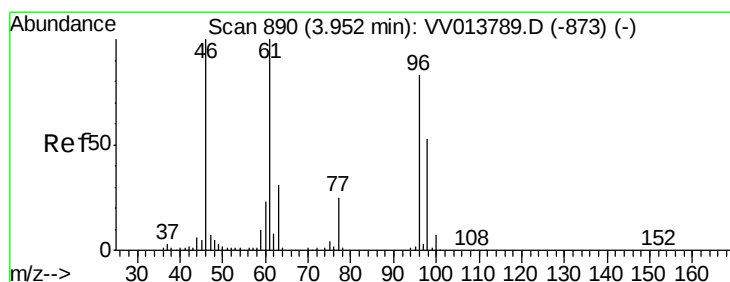
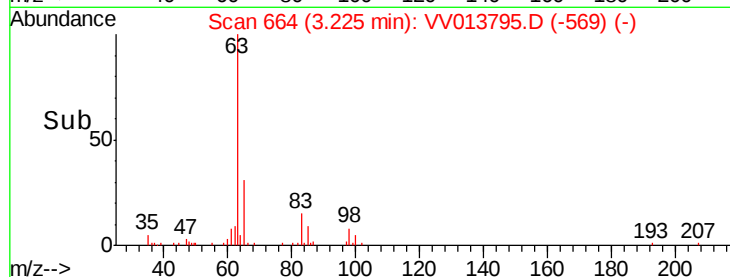
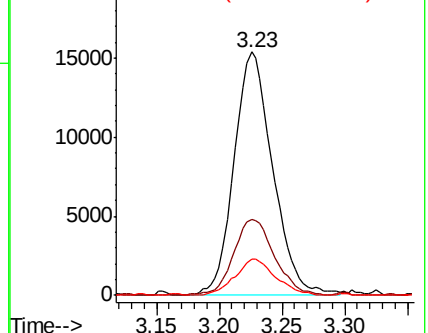
83 14.9 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV013789.D (-646) (-)

Ion 65.10 (64.80 to 65.80): VV013789.D (-646) (-)

Ion 83.05 (82.75 to 83.75): VV013789.D (-646) (-)



#22

cis-1,2-Dichloroethene

Concen: 11.935 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.01 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

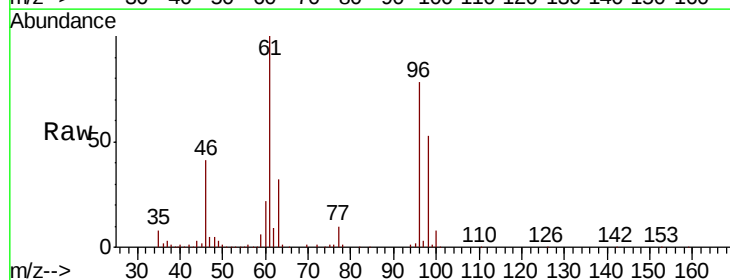
Tgt Ion: 96 Resp: 254669

Ion Ratio Lower Upper

96 100

61 127.5 86.1 159.9

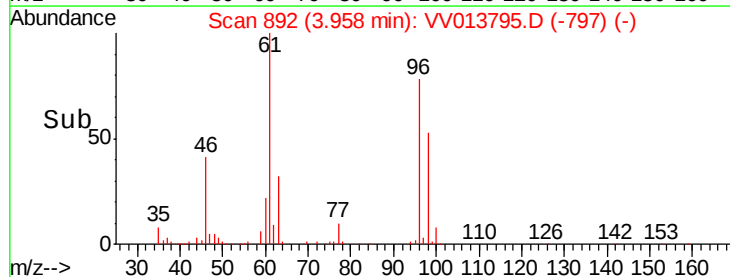
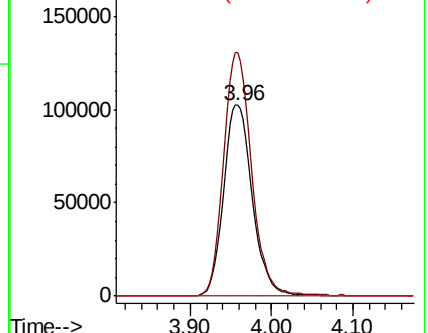
68 0.0 0.0 0.0

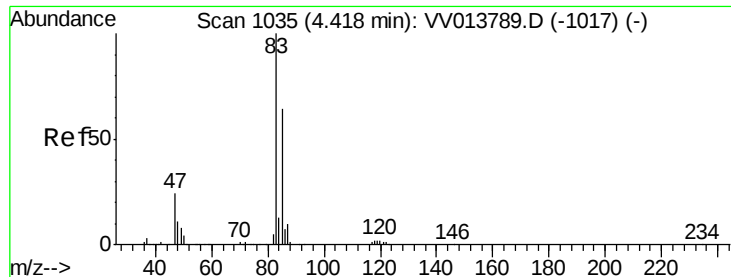


Abundance Ion 96.00 (95.70 to 96.70): VV013789.D (-873) (-)

Ion 61.05 (60.75 to 61.75): VV013789.D (-873) (-)

Ion 68.15 (67.85 to 68.85): VV013789.D (-873) (-)





#25

Chloroform

Concen: 0.342 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

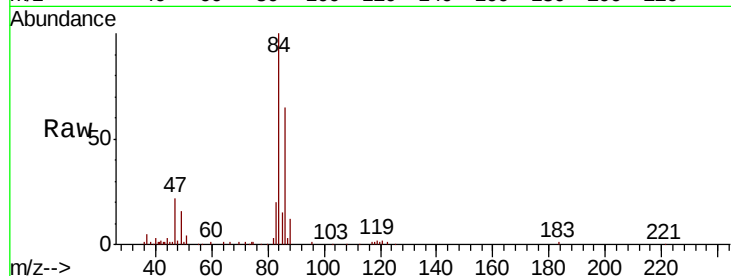
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 13154

Ion Ratio Lower Upper

83 100

85 72.9 45.1 83.7

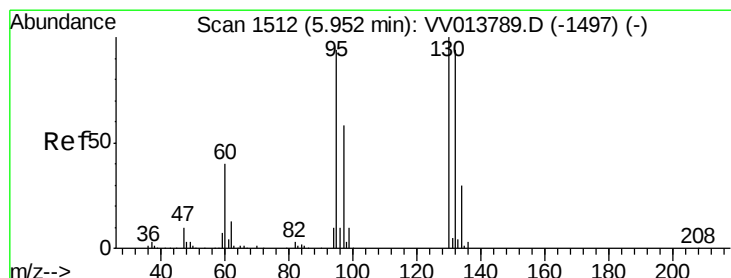
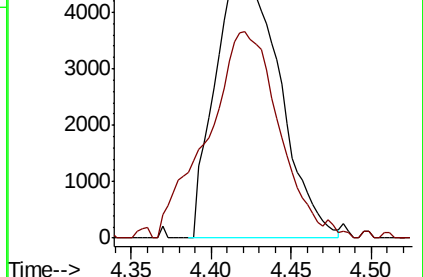
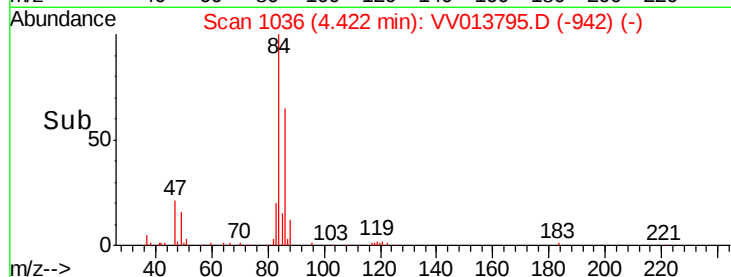


Abundance Ion 83.05 (82.75 to 83.75): VV013789.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV013789.D (-1017) (-)

4.42

Time-->



#34

Trichloroethene

Concen: 4.547 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

Tgt Ion: 95 Resp: 103342

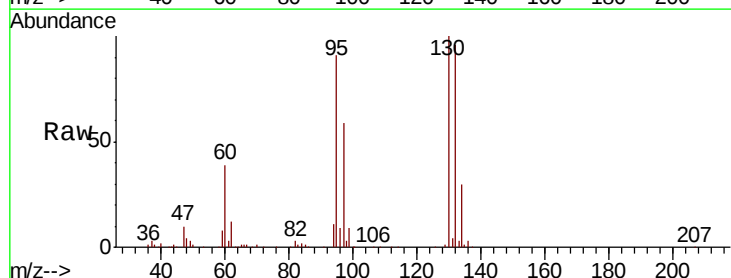
Ion Ratio Lower Upper

95 100

97 65.3 45.6 84.8

132 105.3 70.5 130.9

130 110.0 75.9 140.9



Abundance Ion 95.00 (94.70 to 95.70): VV013789.D (-1497) (-)

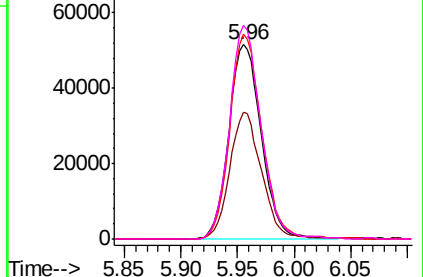
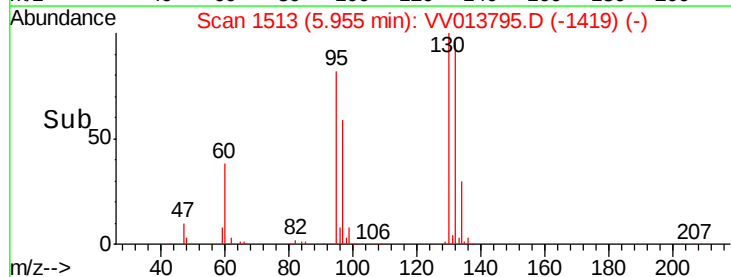
Ion 96.95 (96.65 to 97.65): VV013789.D (-1497) (-)

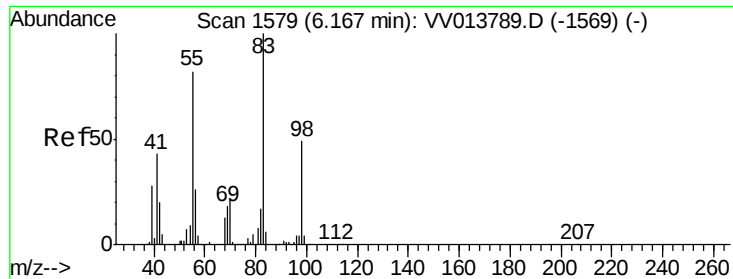
Ion 131.95 (131.65 to 132.65): VV013789.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV013789.D (-1497) (-)

5.96

Time-->

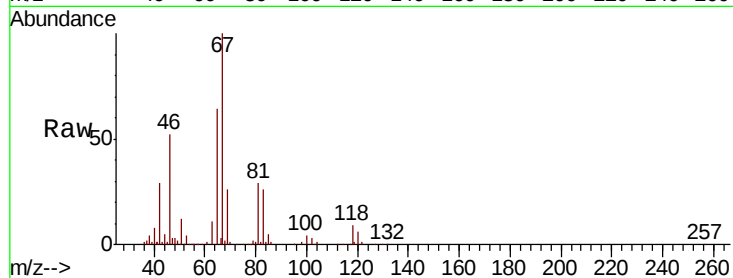




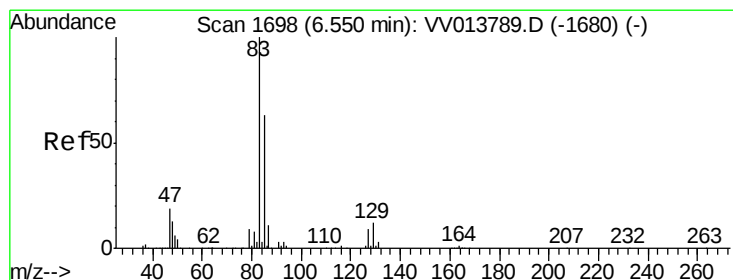
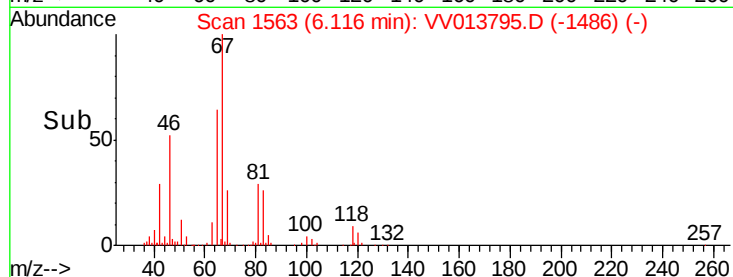
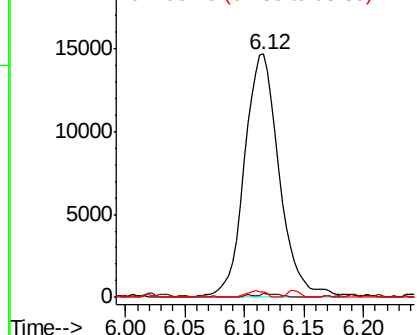
#35
Methylcyclohexane
Concen: 0.984 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013795.D
Acq: 26 Nov 2019 18:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	83	Resp	29839
Ion Ratio	Lower	Upper	
83	100		
55	0.9	60.3	90.5#
98	1.5	38.1	57.1#

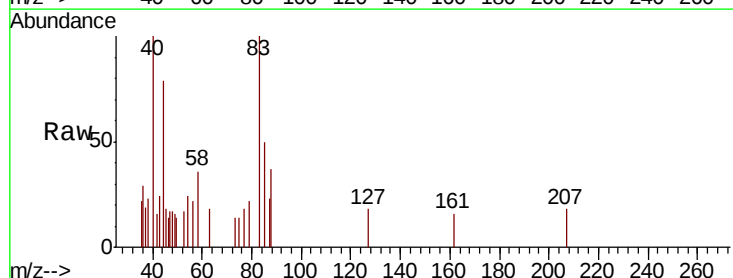


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

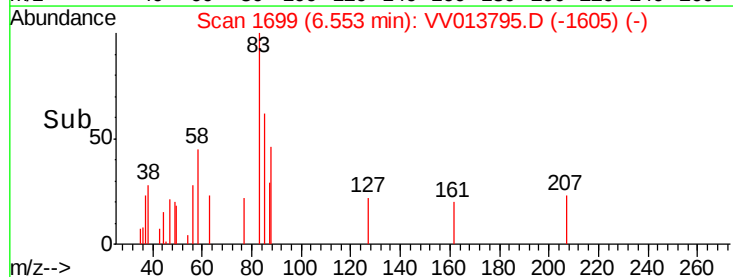
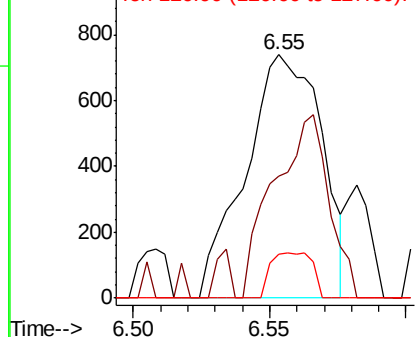


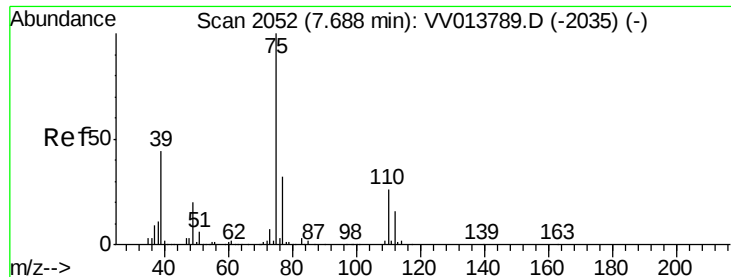
#38
Bromodichloromethane
Concen: 0.051 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VV013795.D
Acq: 26 Nov 2019 18:51

Tgt Ion	83	Resp	1432
Ion Ratio	Lower	Upper	
83	100		
85	50.2	46.1	85.5
127	18.0	7.5	11.3#



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 126.90 (126.60 to 127.60): V





#44

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

Instrument :

MSVOA_V

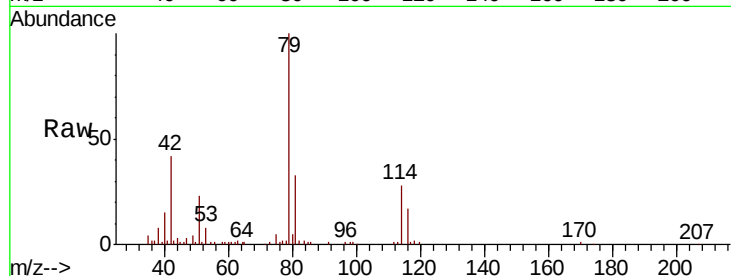
ClientSampleId :

Tot Ion: 75 Resp: 1609

Ion Ratio Lower Upper

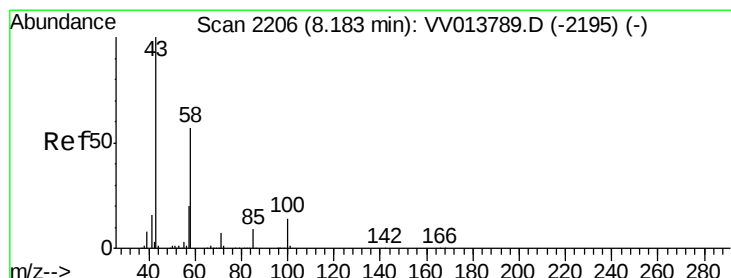
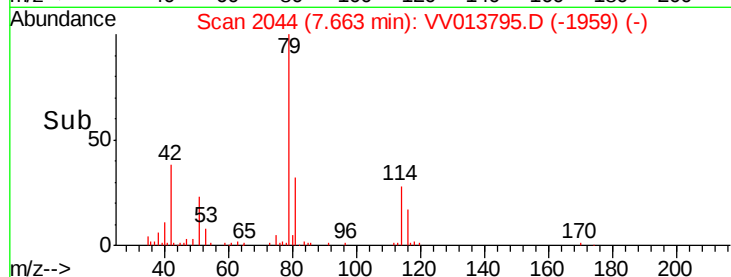
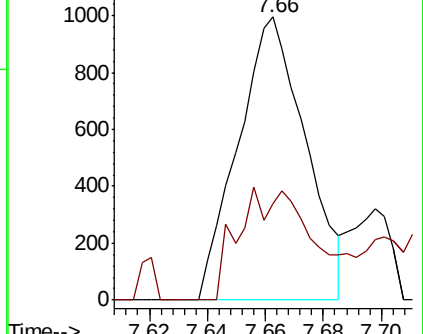
75 100

77 34.1 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 2.665 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV013795.D

Acq: 26 Nov 2019 18:51

Tgt Ion: 43 Resp: 23508

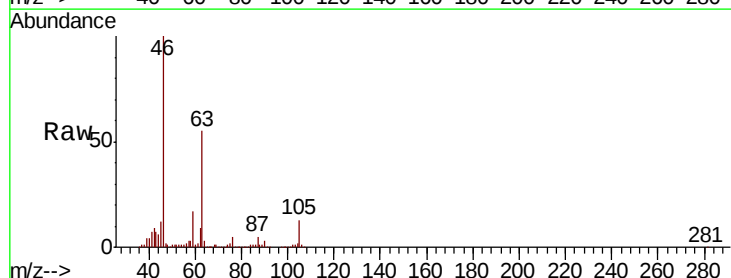
Ion Ratio Lower Upper

43 100

58 58.4 43.2 64.8

57 43.7 15.4 23.2#

100 3.7 10.4 15.6#



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

