

Data File : VV013719.D
Acq On : 21 Nov 2019 17:54
Operator : SY/MD
Sample : K5941-13 10X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AC5

Quant Time: Nov 22 04:00:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 03:55:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	333127	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	322257	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	153310	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	118975	5.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.60%
7) Chloroethane-d5	1.58	69	103209	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.40%
11) 1,1-Dichloroethene-d2	2.12	63	170917	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	3.95	46	340572	71.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	143.14%#
24) Chloroform-d	4.40	84	258380	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.60%
26) 1,2-Dichloroethane-d4	5.07	65	133480	6.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.20%
32) Benzene-d6	5.09	84	535154	5.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.20%
36) 1,2-Dichloropropane-d6	6.11	67	160656	6.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.00%
41) Toluene-d8	7.36	98	469323	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
43) trans-1,3-Dichloropropene-	7.66	79	54486	5.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.80%
46) 2-Hexanone-d5	8.14	63	249202	64.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	120727	6.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.80%#
64) 1,2-Dichlorobenzene-d4	11.67	152	190306	6.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	129.00%#

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2352	0.115	ug/L #	29
13) Acetone	2.22	43	6343	2.113	ug/L #	1
14) Carbon disulfide	2.31	76	9402	0.137	ug/L	99
16) Methylene chloride	2.53	84	4784	0.173	ug/L	93
19) 1,1-Dichloroethane	3.23	63	6803	0.155	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	5832	0.229	ug/L #	85
25) Chloroform	4.42	83	7597	0.128	ug/L	93
34) Trichloroethene	5.96	95	54996	2.107	ug/L	95
35) Methylcyclohexane	6.11	83	39054	0.981	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	17162	0.735	ug/L #	85
39) cis-1,3-Dichloropropene	7.03	75	3869	0.115	ug/L	88
48) 2-Hexanone	8.19	43	18382	1.907	ug/L #	91
52) Ethylbenzene	9.05	91	8120	0.073	ug/L	90
54) o-xylene	9.59	106	3503	0.087	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	3932	0.075	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	4087	0.096	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	4494	0.128	ug/L	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112119\
Quantitation Report (Not Reviewed)

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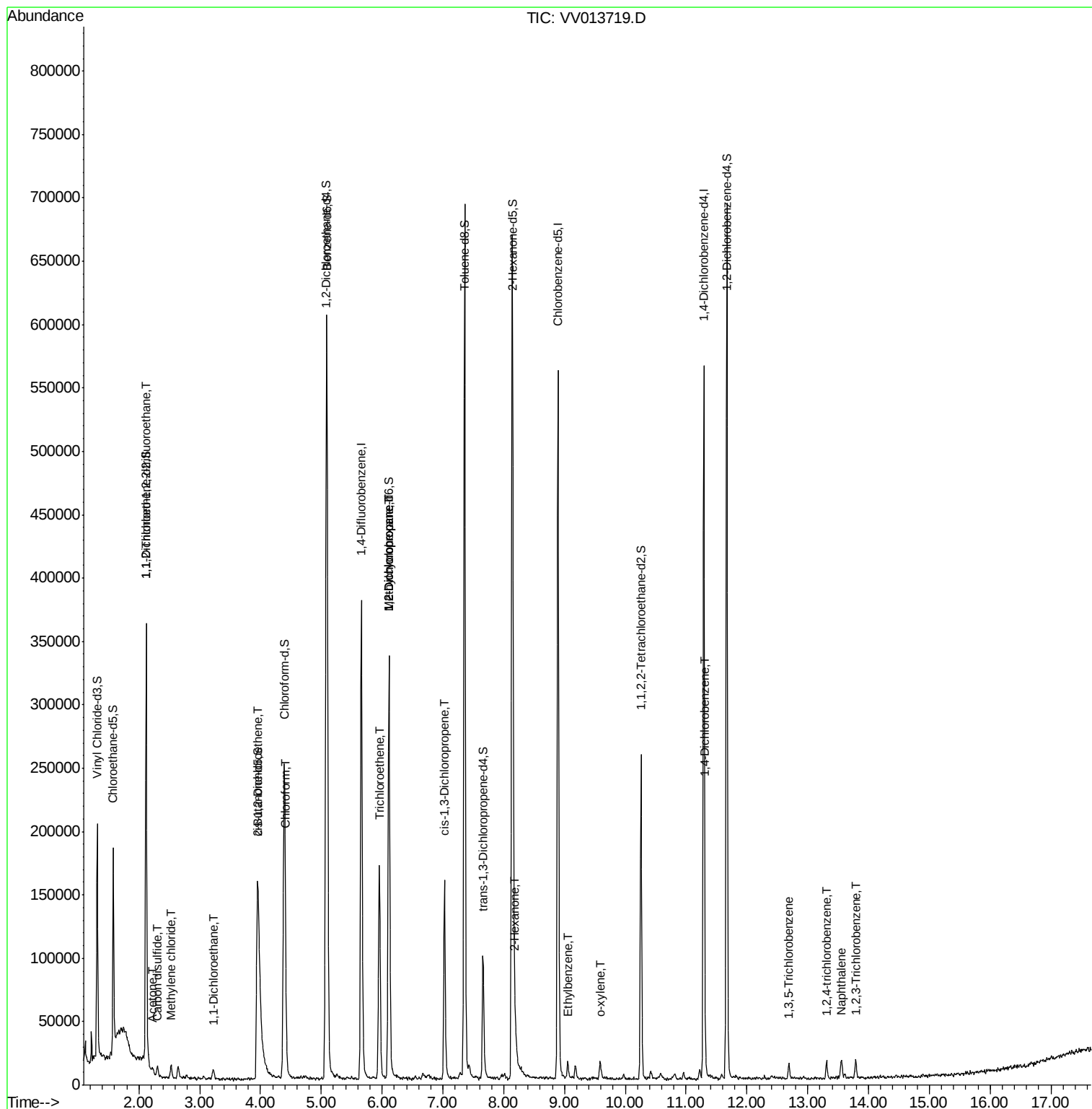
Quant Time: Nov 22 04:00:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 03:55:18 2019
Response via : Initial Calibration

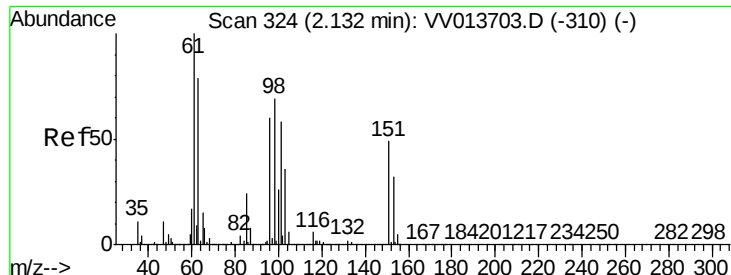
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.55	128	11168	0.233	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.79	180	4500	0.141	ug/L #	89

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

Instrument :
MSVOA_V
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Quant Time: Nov 22 04:00:32 2019
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QLast Update : Fri Nov 22 03:55:18 2019
Response via : Initial Calibration





#10

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

Concen: 0.115 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.02 min

Lab File: VV013719.D

Acq: 21 Nov 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

B0AC5

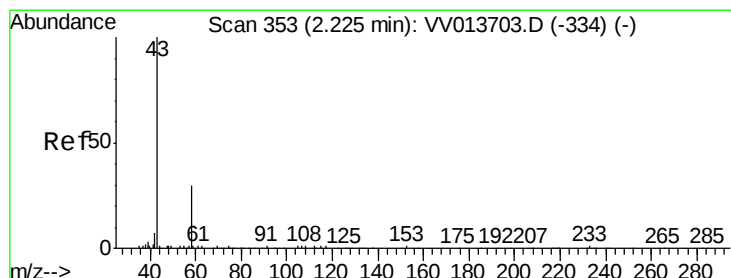
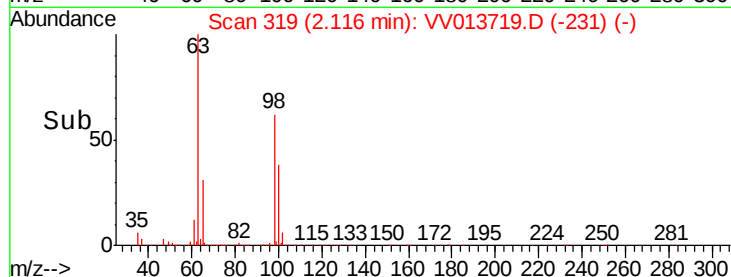
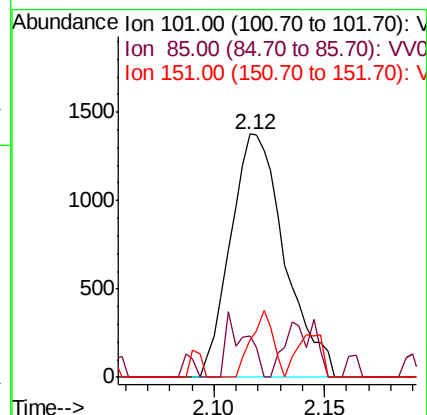
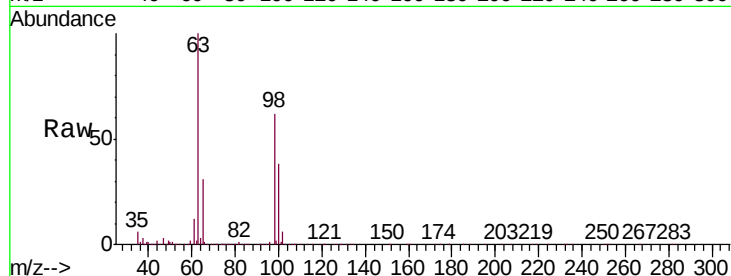
Tgt Ion: 101 Resp: 2352

Ion Ratio Lower Upper

101 100

85 9.7 32.0 48.0#

151 11.2 69.0 103.6#



#13

Acetone

Concen: 2.113 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV013719.D

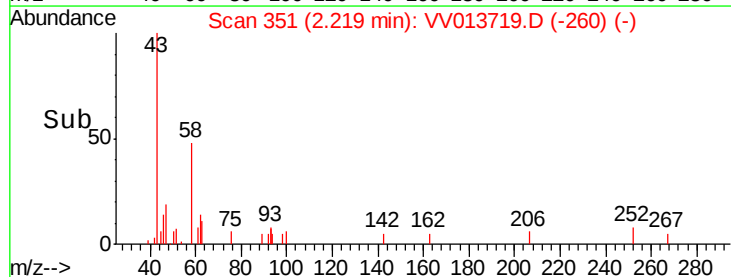
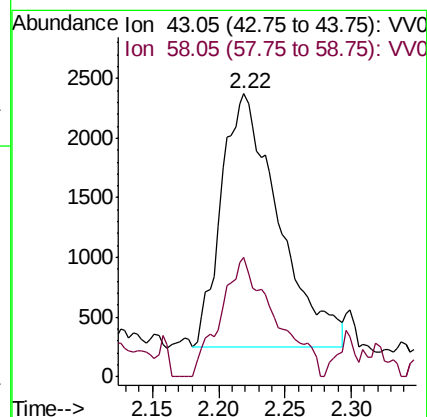
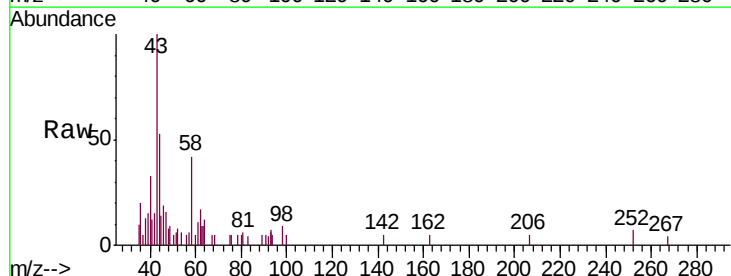
Acq: 21 Nov 2019 17:54

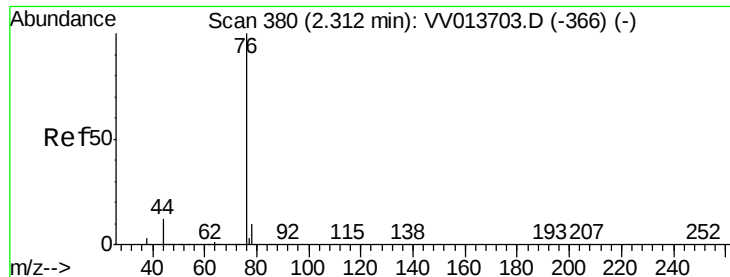
Tgt Ion: 43 Resp: 6343

Ion Ratio Lower Upper

43 100

58 44.7 0.0 17.0#





#14

Carbon disulfide

Concen: 0.137 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV013719.D

Acq: 21 Nov 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

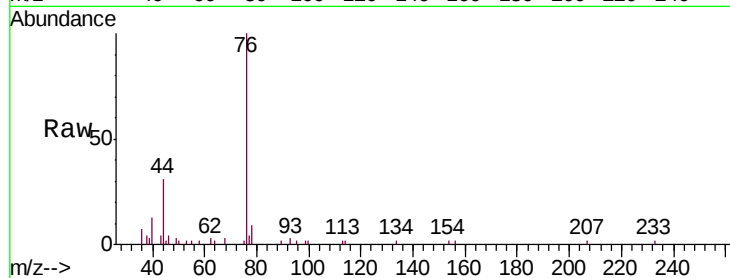
B0AC5

Tgt Ion: 76 Resp: 9402

Ion Ratio Lower Upper

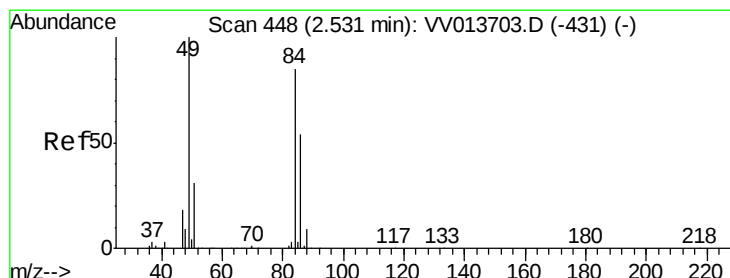
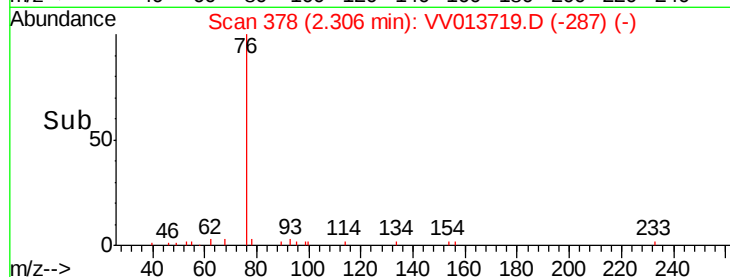
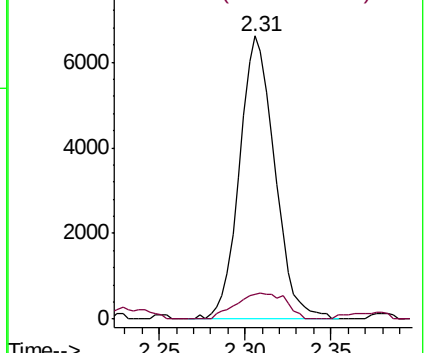
76 100

78 8.9 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.173 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV013719.D

Acq: 21 Nov 2019 17:54

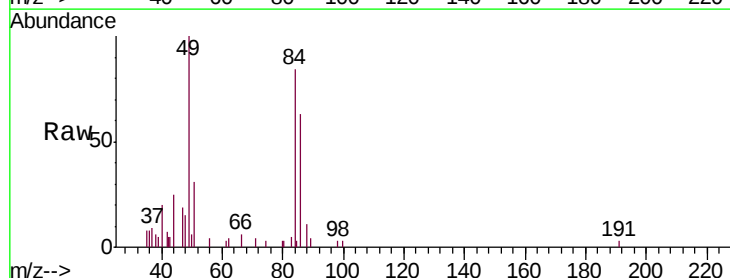
Tgt Ion: 84 Resp: 4784

Ion Ratio Lower Upper

84 100

86 72.0 44.1 81.9

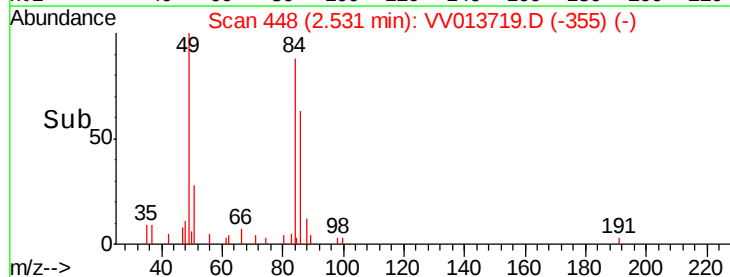
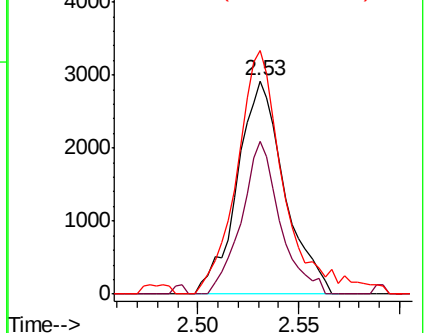
49 114.3 83.4 155.0

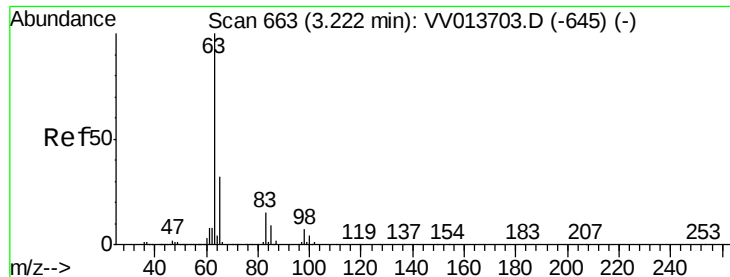


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

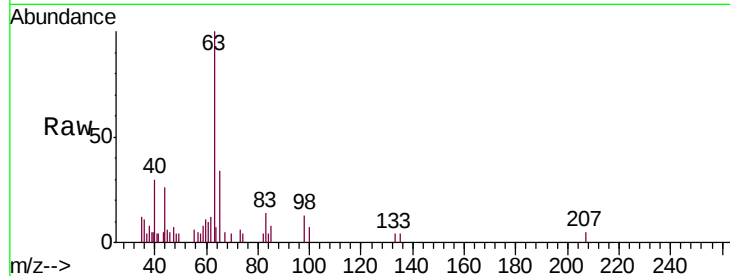




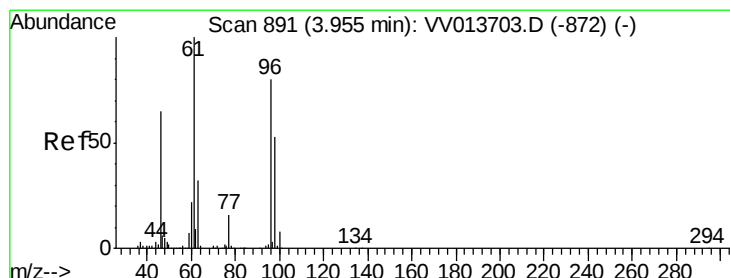
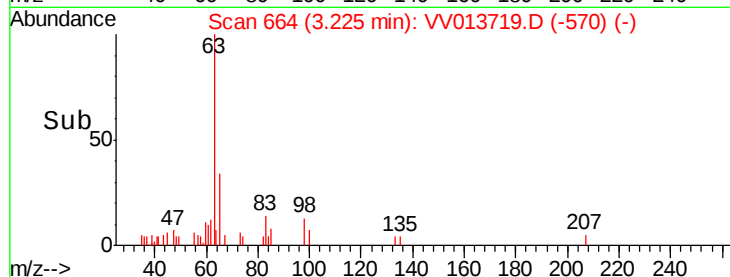
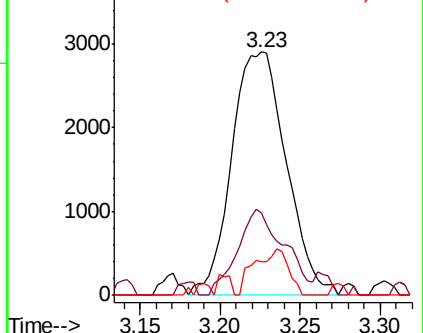
#19
 1,1-Dichloroethane
 Concen: 0.155 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013719.D
 Acq: 21 Nov 2019 17:54

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AC5

Tgt Ion: 63 Resp: 6803
 Ion Ratio Lower Upper
 63 100
 65 34.0 22.5 41.7
 83 13.9 9.7 17.9

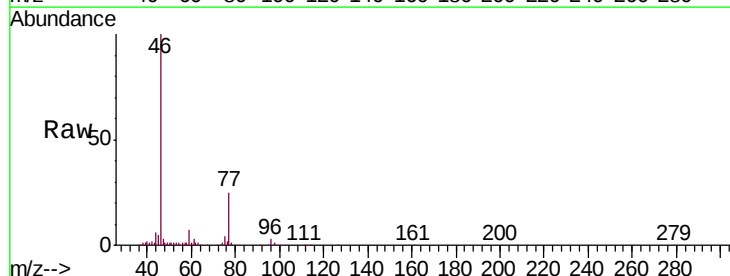


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

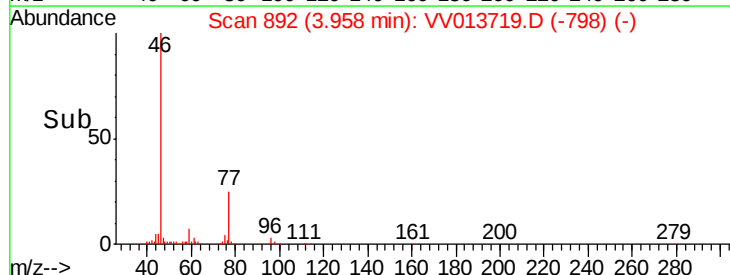
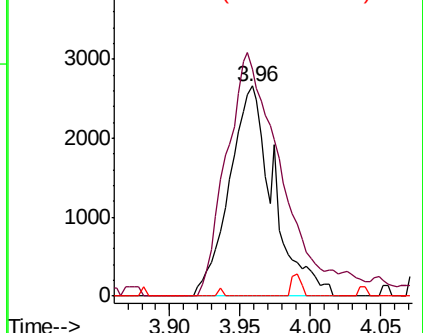


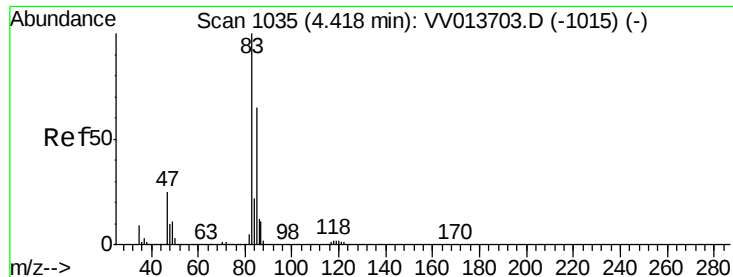
#22
 cis-1,2-Dichloroethene
 Concen: 0.229 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013719.D
 Acq: 21 Nov 2019 17:54

Tgt Ion: 96 Resp: 5832
 Ion Ratio Lower Upper
 96 100
 61 108.2 87.7 162.9
 68 0.0 0.1 0.3#



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





#25

Chloroform

Concen: 0.128 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VV013719.D

Acq: 21 Nov 2019 17:54

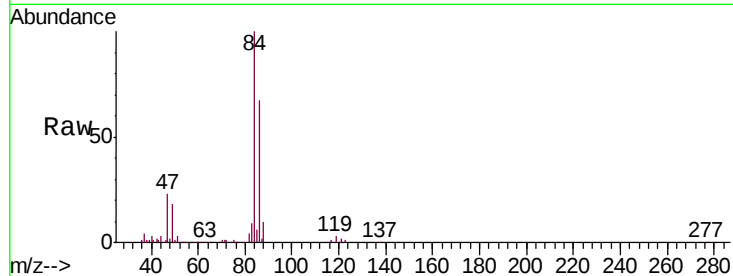
Instrument :
MSVOA_V
ClientSampleId :
B0AC5

Tgt Ion: 83 Resp: 7597

Ion Ratio Lower Upper

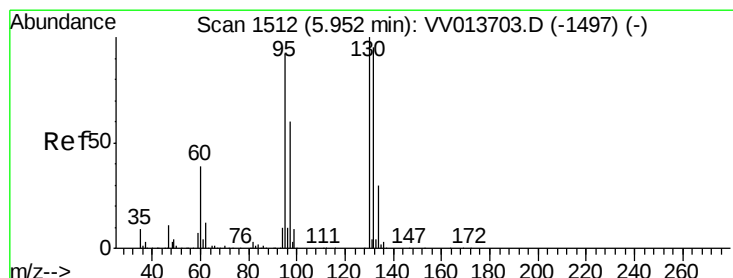
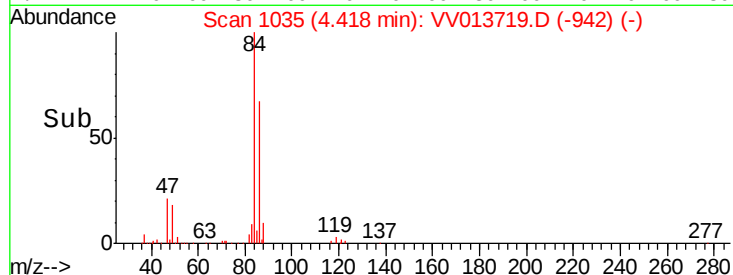
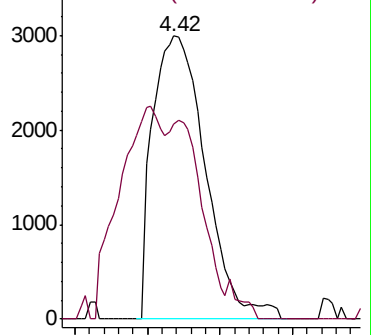
83 100

85 68.9 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV013719.D (-942) (-)

Ion 85.00 (84.70 to 85.70): VV013719.D (-942) (-)



#34

Trichloroethene

Concen: 2.107 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013719.D

Acq: 21 Nov 2019 17:54

Tgt Ion: 95 Resp: 54996

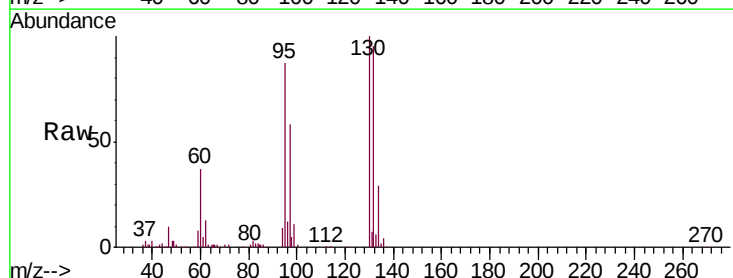
Ion Ratio Lower Upper

95 100

97 66.6 44.8 83.2

132 109.1 72.9 135.3

130 114.4 75.1 139.5

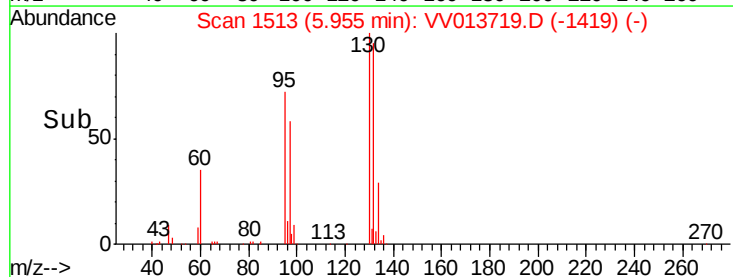
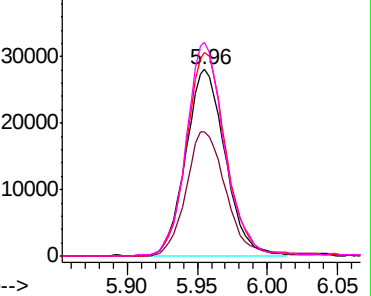


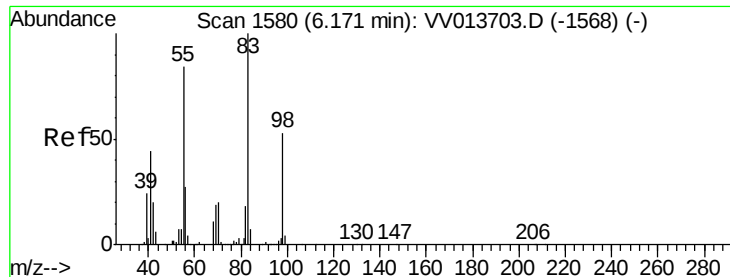
Abundance Ion 95.00 (94.70 to 95.70): VV013719.D (-1419) (-)

Ion 96.95 (96.65 to 97.65): VV013719.D (-1419) (-)

Ion 131.95 (131.65 to 132.65): VV013719.D (-1419) (-)

Ion 129.95 (129.65 to 130.65): VV013719.D (-1419) (-)





#35

Methylcyclohexane

Concen: 0.981 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013719.D

Acq: 21 Nov 2019 17:54

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B0AC5

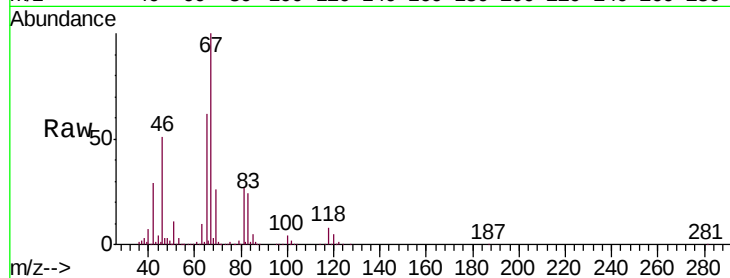
Tgt Ion: 83 Resp: 39054

Ion Ratio Lower Upper

83 100

55 0.8 64.1 96.1#

98 2.0 38.2 57.2#

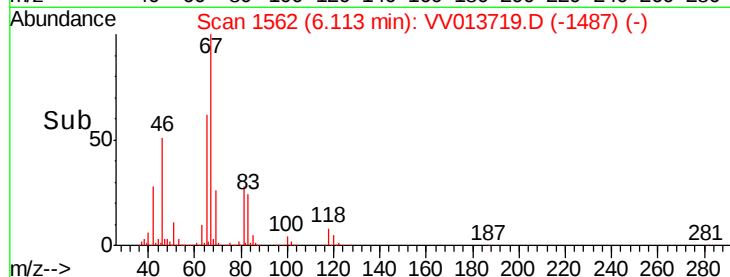


Abundance Ion 83.15 (82.85 to 83.85): VV013719.D (-1568) (-)

Ion 55.10 (54.80 to 55.80): VV013719.D (-1568) (-)

Ion 98.15 (97.85 to 98.85): VV013719.D (-1568) (-)

Time-->

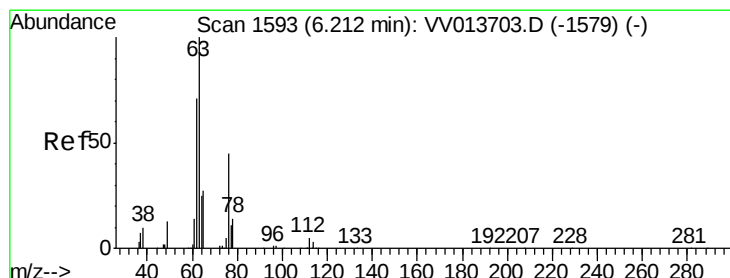


Abundance Ion 83.15 (82.85 to 83.85): VV013719.D (-1568) (-)

Ion 55.10 (54.80 to 55.80): VV013719.D (-1568) (-)

Ion 98.15 (97.85 to 98.85): VV013719.D (-1568) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 0.735 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013719.D

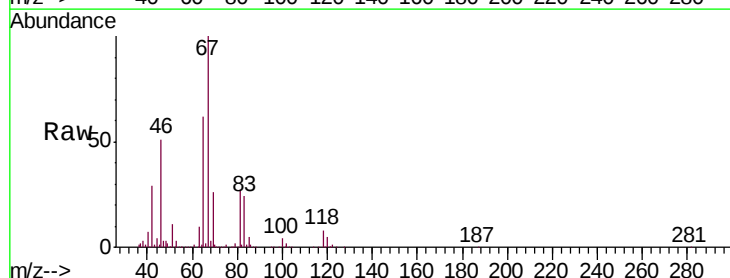
Acq: 21 Nov 2019 17:54

Tgt Ion: 63 Resp: 17162

Ion Ratio Lower Upper

63 100

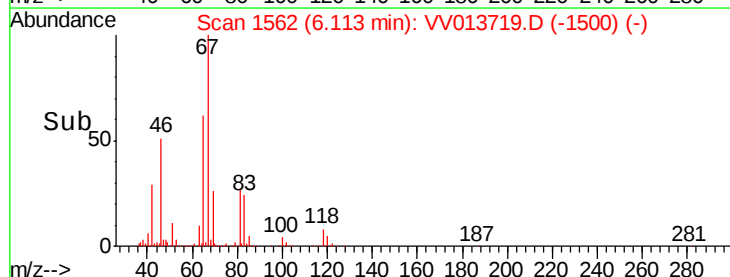
112 0.3 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV013719.D (-1579) (-)

Ion 112.10 (111.80 to 112.80): VV013719.D (-1579) (-)

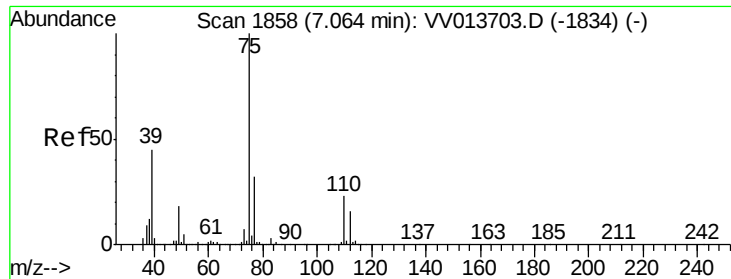
Time-->



Abundance Ion 63.10 (62.80 to 63.80): VV013719.D (-1579) (-)

Ion 112.10 (111.80 to 112.80): VV013719.D (-1579) (-)

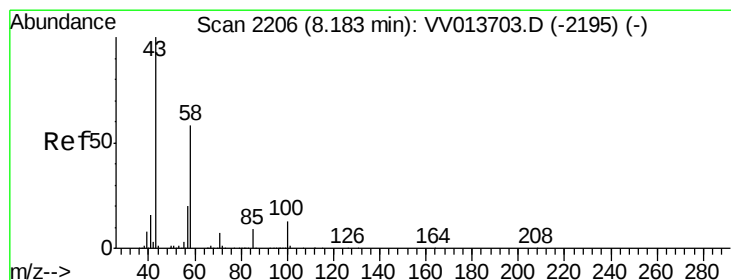
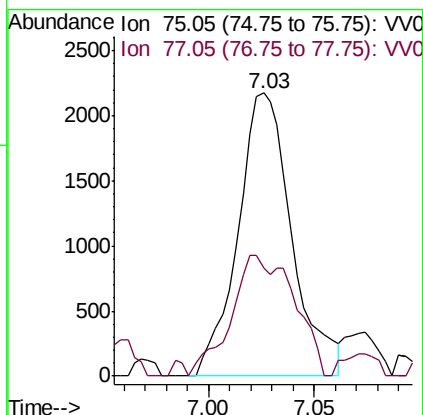
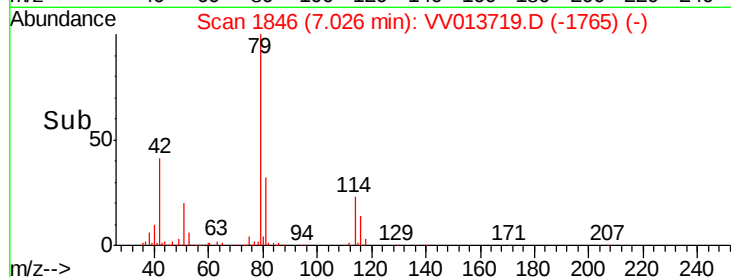
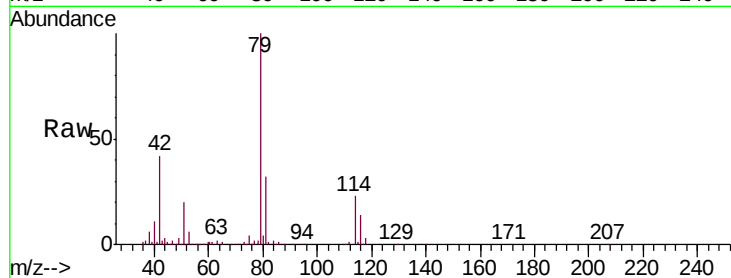
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV013719.D
 Acq: 21 Nov 2019 17:54

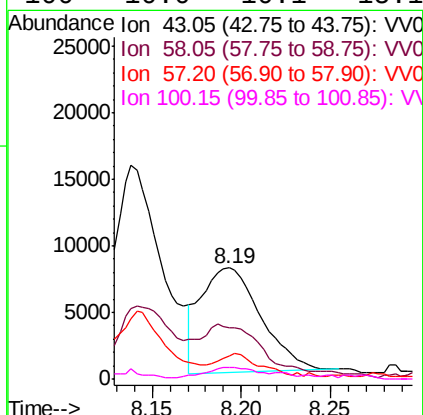
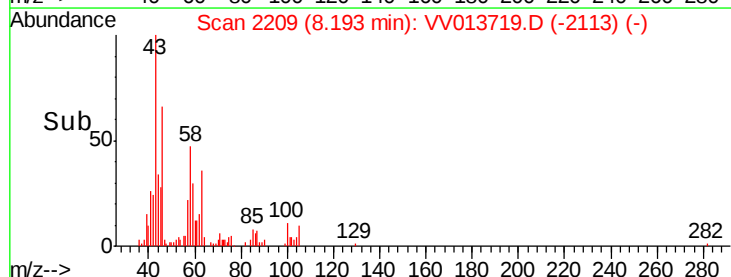
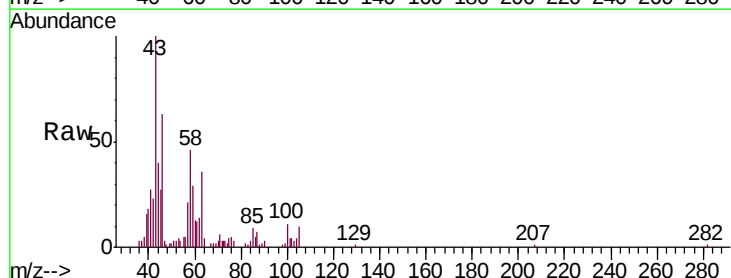
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 ClientSampleId :
 B0AC5

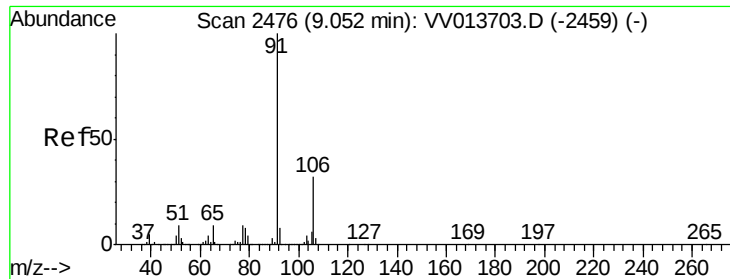
Tgt Ion: 75 Resp: 3869
 Ion Ratio Lower Upper
 75 100
 77 38.2 22.0 40.8



#48
 2-Hexanone
 Concen: 1.907 ug/L
 RT: 8.19 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VV013719.D
 Acq: 21 Nov 2019 17:54

Tgt Ion: 43 Resp: 18382
 Ion Ratio Lower Upper
 43 100
 58 47.9 43.0 64.6
 57 13.9 15.4 23.2#
 100 10.0 10.1 15.1#





#52

Ethylbenzene

Concen: 0.073 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013719.D

Acq: 21 Nov 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

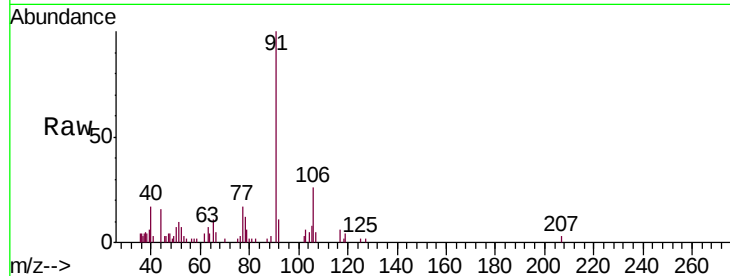
B0AC5

Tgt Ion: 91 Resp: 8120

Ion Ratio Lower Upper

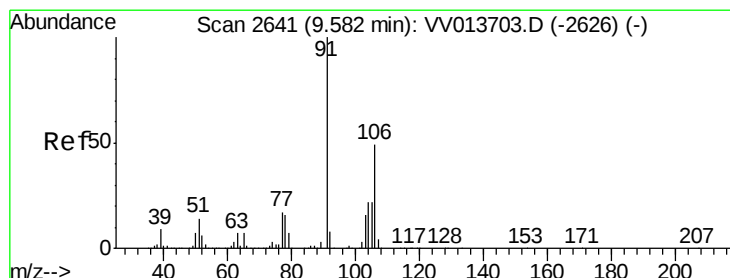
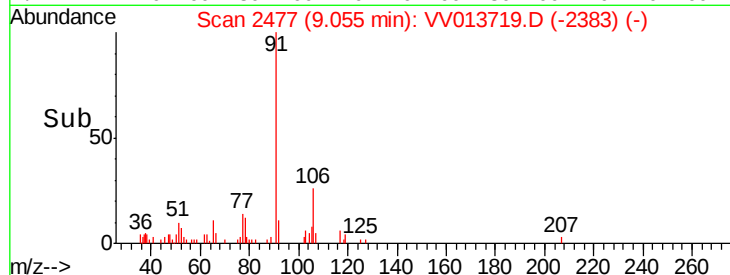
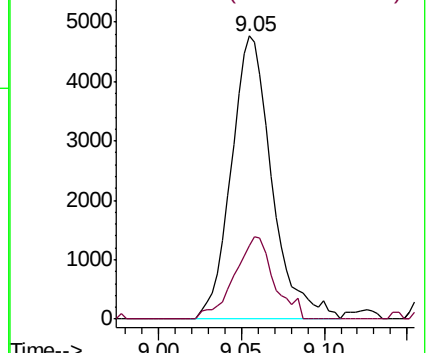
91 100

106 25.8 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#54

o-xylene

Concen: 0.087 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013719.D

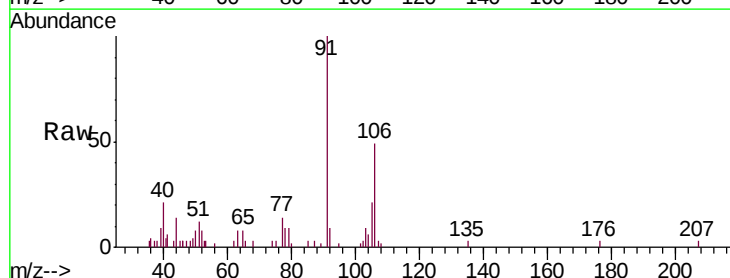
Acq: 21 Nov 2019 17:54

Tgt Ion: 106 Resp: 3503

Ion Ratio Lower Upper

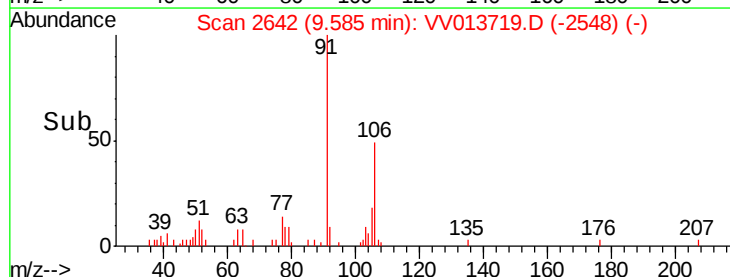
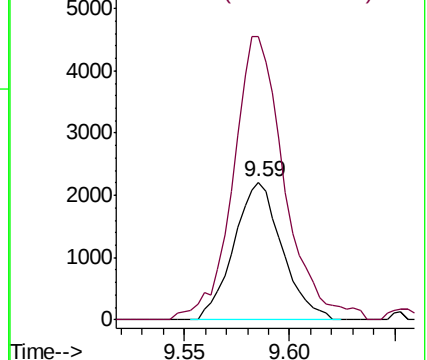
106 100

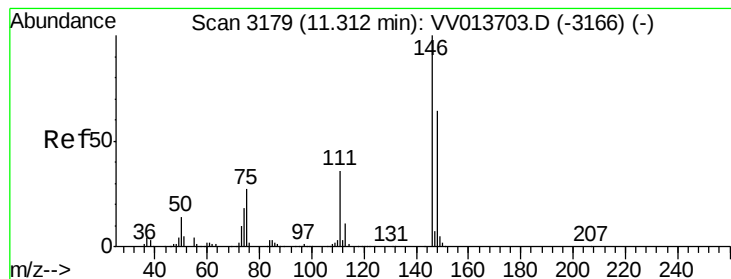
91 205.1 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#63

1,4-Dichlorobenzene

Concen: 0.075 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013719.D

Acq: 21 Nov 2019 17:54

Instrument :

MSVOA_V

ClientSampled :

B0AC5

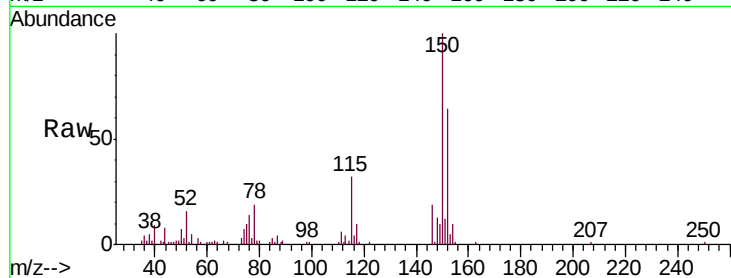
Tgt Ion:146 Resp: 3932

Ion Ratio Lower Upper

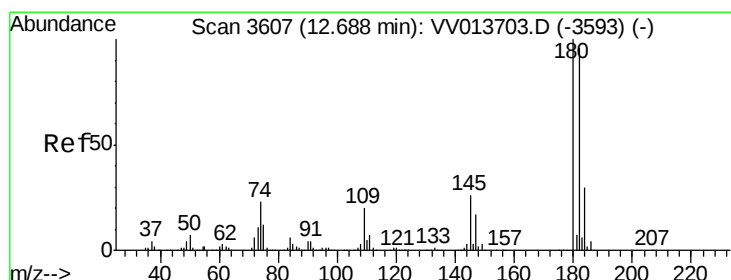
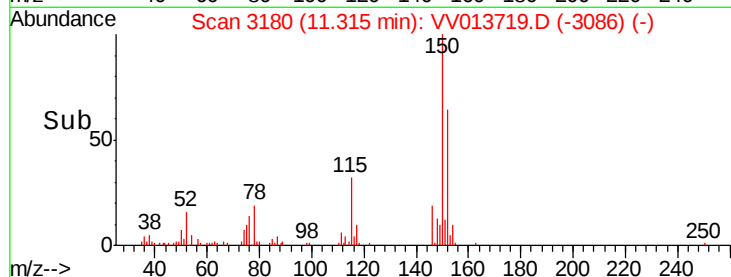
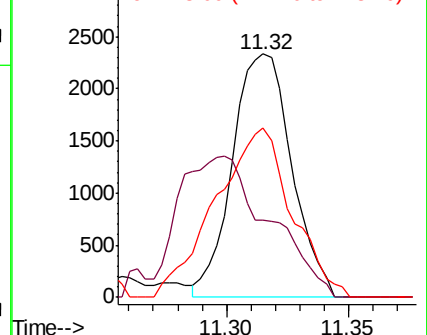
146 100

111 31.5 25.6 47.6

148 69.3 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.096 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV013719.D

Acq: 21 Nov 2019 17:54

Tgt Ion:180 Resp: 4087

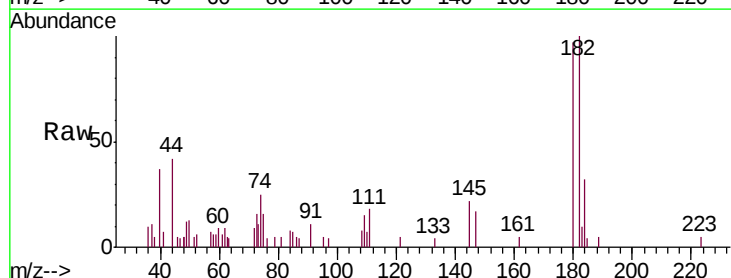
Ion Ratio Lower Upper

180 100

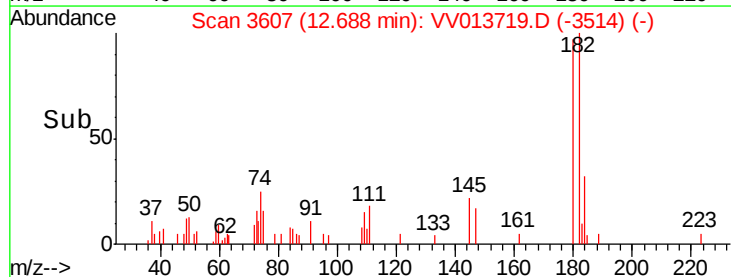
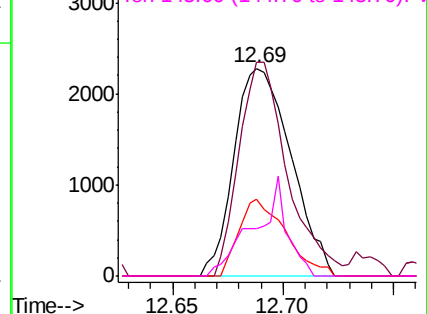
182 87.5 77.0 115.6

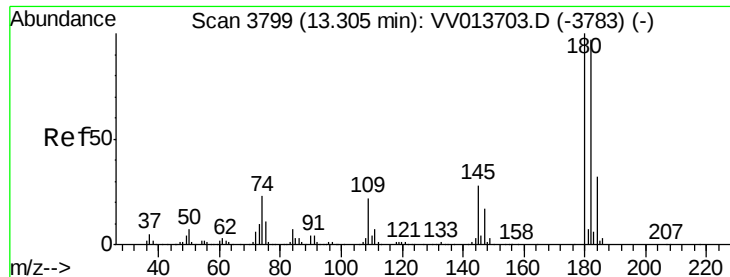
184 30.6 24.4 36.6

145 27.6 21.5 32.3



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V

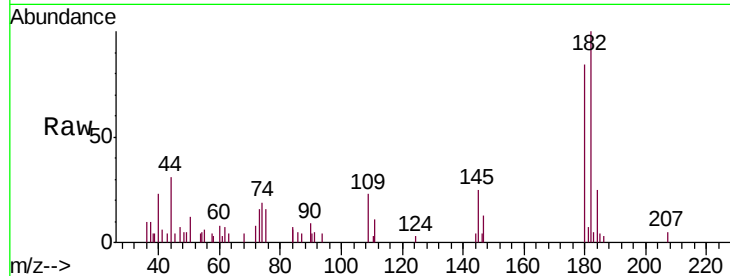




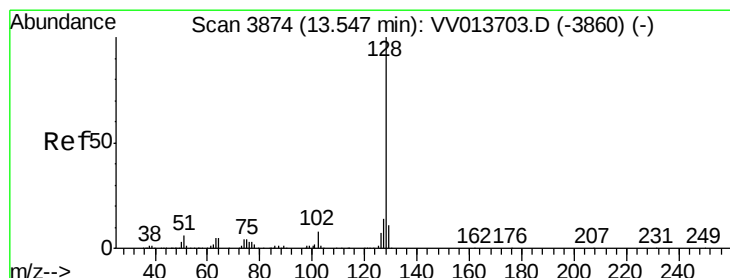
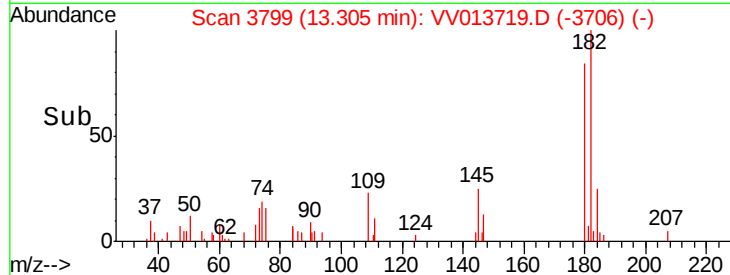
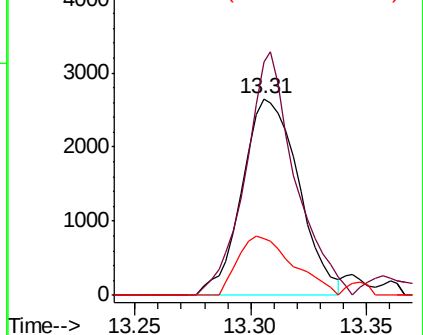
#68
 1,2,4-trichlorobenzene
 Concen: 0.128 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013719.D
 Acq: 21 Nov 2019 17:54

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AC5

Tgt Ion:180 Resp: 4494
 Ion Ratio Lower Upper
 180 100
 182 108.8 77.2 115.8
 145 29.6 22.6 33.8

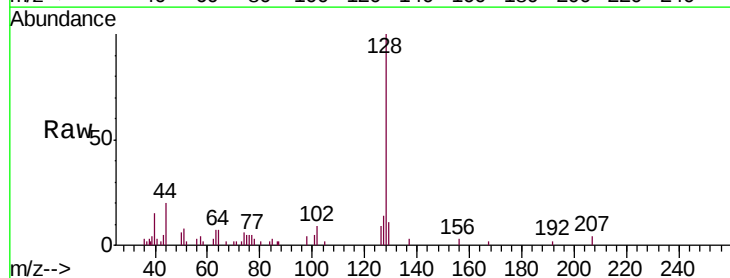


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

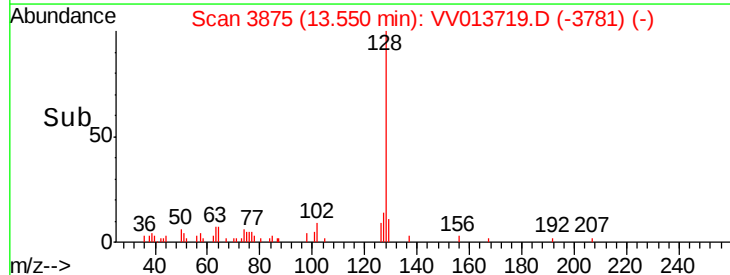
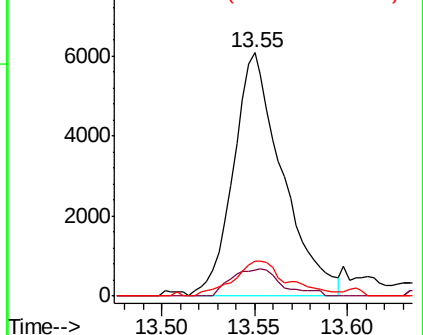


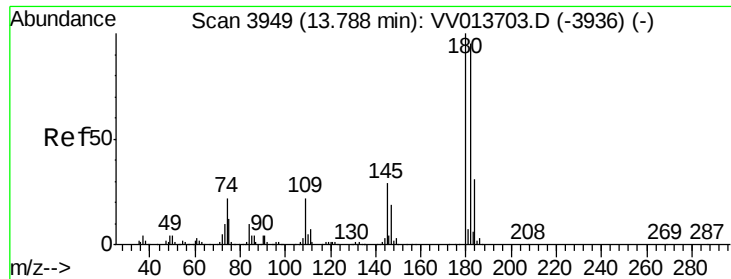
#69
 Naphthalene
 Concen: 0.233 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013719.D
 Acq: 21 Nov 2019 17:54

Tgt Ion:128 Resp: 11168
 Ion Ratio Lower Upper
 128 100
 129 11.7 8.6 13.0
 127 15.9 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.141 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013719.D
 Acq: 21 Nov 2019 17:54

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AC5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.1	75.6	113.4
145	35.3	23.4	35.0

