

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017151.D
 Acq On : 26 Jun 2020 01:35
 Operator : SY/MD
 Sample : L3106-19
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXP1

Quant Time: Jun 26 06:18:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 05:12:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	164018	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	158842	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73502	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50681	5.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.00%
7) Chloroethane-d5	1.58	69	39067	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	2.13	63	88951	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	3.93	46	122494	48.82	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.64%
24) Chloroform-d	4.38	84	103347	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.06	65	54965	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.08	84	194456	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.10	67	55052	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.34	98	167489	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
45) trans-1,3-Dichloropropene-	7.64	79	21407	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
48) 2-Hexanone-d5	8.11	63	83847	42.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38920	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	68129	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	198983	18.488	ug/L	99
12) 1,1-Dichloroethene	2.14	96	32594	4.141	ug/L	86
18) trans-1,2-Dichloroethene	2.78	96	7654	0.918	ug/L	93
19) 1,1-Dichloroethane	3.21	63	90329	4.819	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	1079583	94.642	ug/L	99
25) Chloroform	4.41	83	6482	0.317	ug/L	95
29) 1,1,1-Trichloroethane	4.63	97	369600	19.422	ug/L	98
30) Cyclohexane	4.70	56	52820	2.917	ug/L	97
33) Benzene	5.13	78	16143	0.388	ug/L	100
34) Trichloroethene	5.94	95	80112	6.577	ug/L	97
53) Chlorobenzene	8.90	112	151169	5.014	ug/L	98
56) o-xylene	9.57	106	12144	0.643	ug/L	98
58) Isopropylbenzene	9.95	105	5975	0.115	ug/L #	94
63) 1,3-Dichlorobenzene	11.21	146	14839	0.671	ug/L	94
64) 1,4-Dichlorobenzene	11.30	146	15897	0.707	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	12940	0.644	ug/L	94
69) 1,2,4-trichlorobenzene	13.29	180	8956	0.612	ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 26 05:12:03 2020
Response via : Initial Calibration

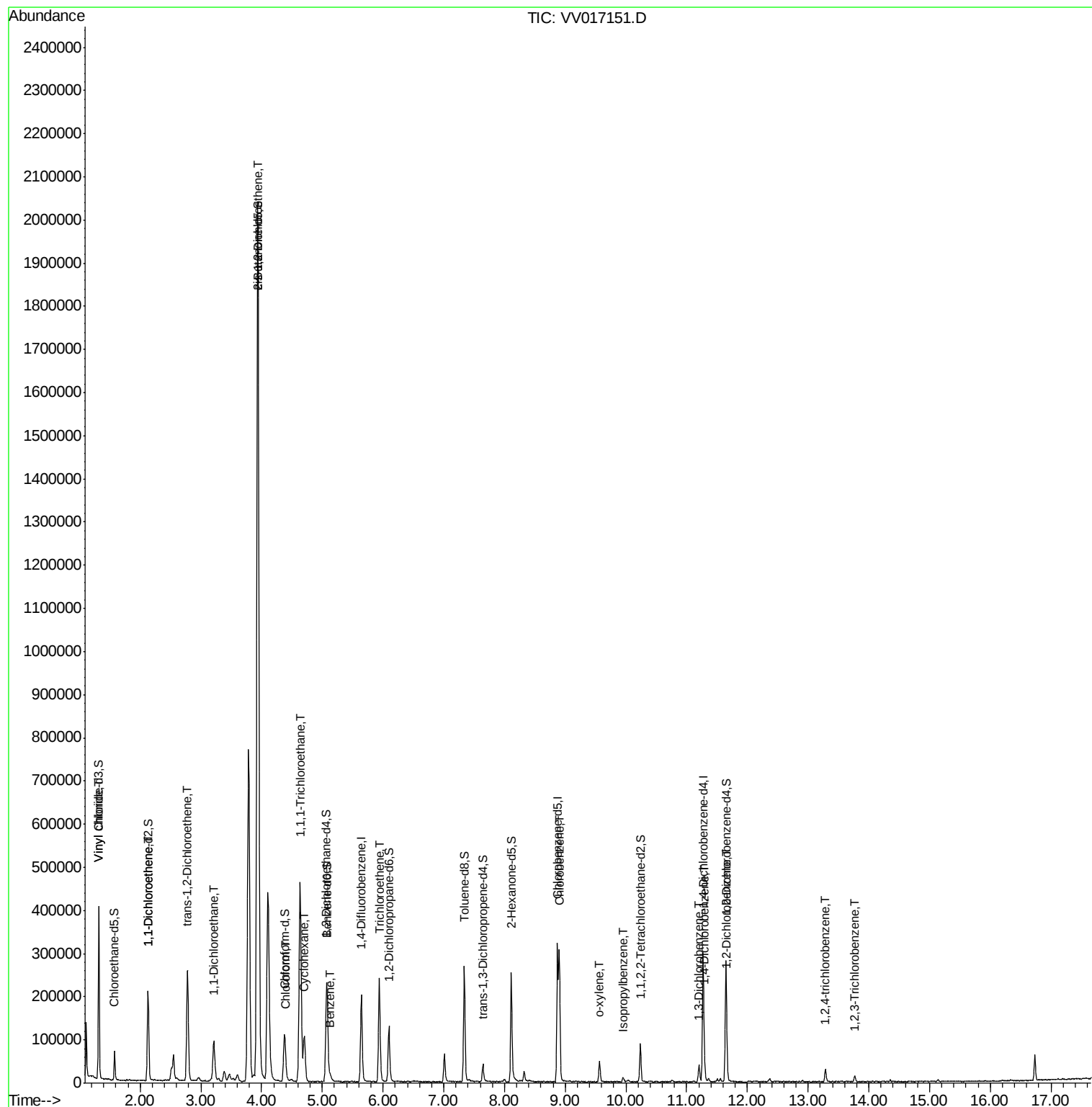
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,2,3-Trichlorobenzene	13.77	180	3584	0.300	ug/L #	93

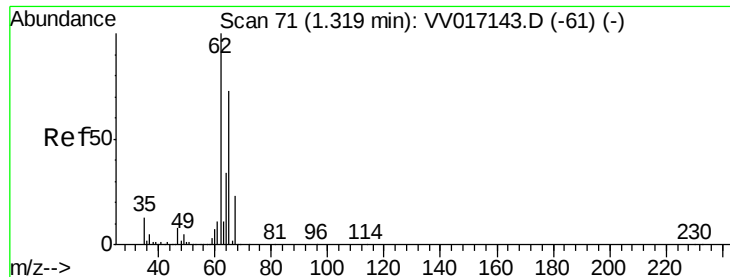
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 18.488 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017151.D

Acq: 26 Jun 2020 01:35

Instrument :

MSVOA_V

ClientSampleId :

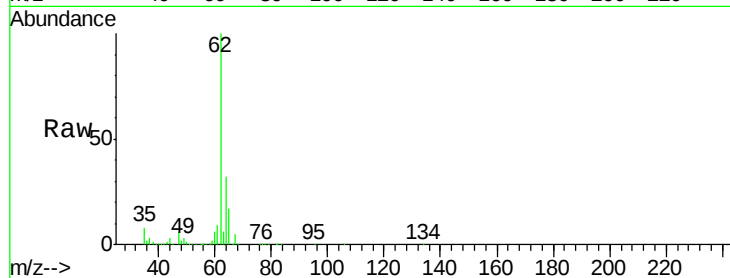
BFXP1

Tot Ion: 62 Resp: 198983

Ion Ratio Lower Upper

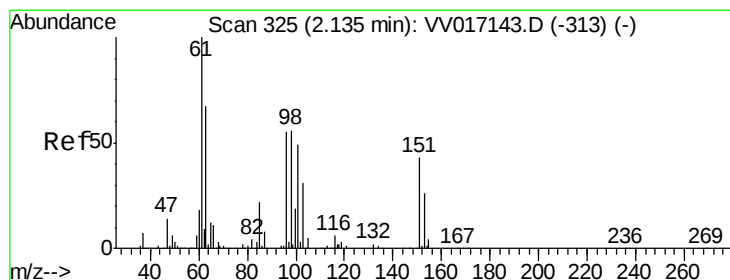
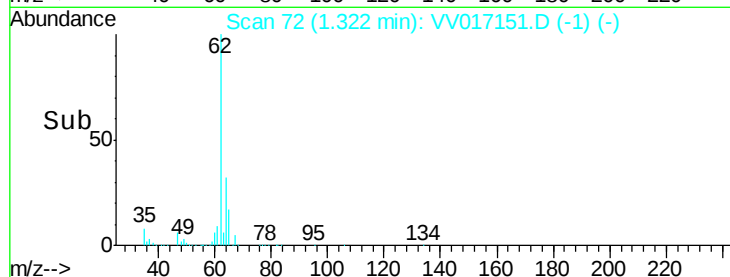
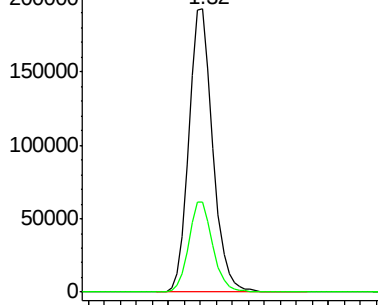
62 100

64 31.8 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 4.141 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV017151.D

Acq: 26 Jun 2020 01:35

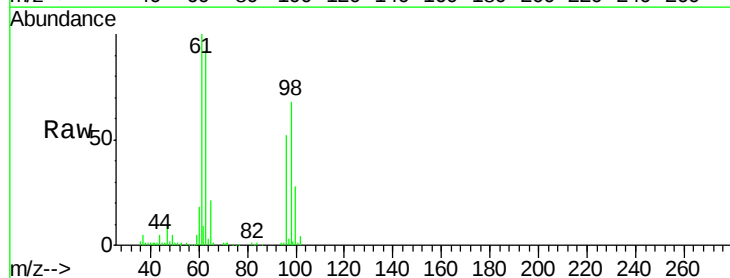
Tgt Ion: 96 Resp: 32594

Ion Ratio Lower Upper

96 100

61 194.2 125.0 232.2

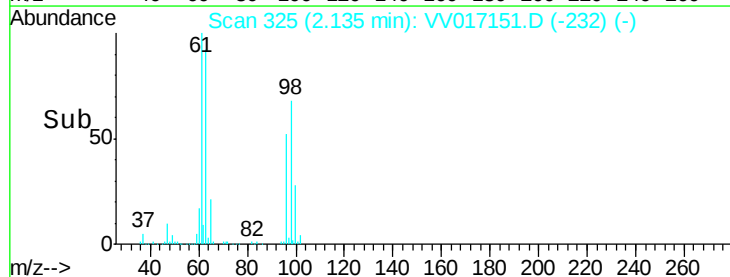
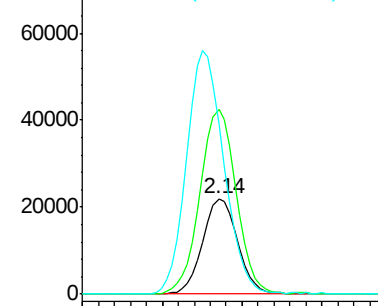
63 178.5 109.8 203.8

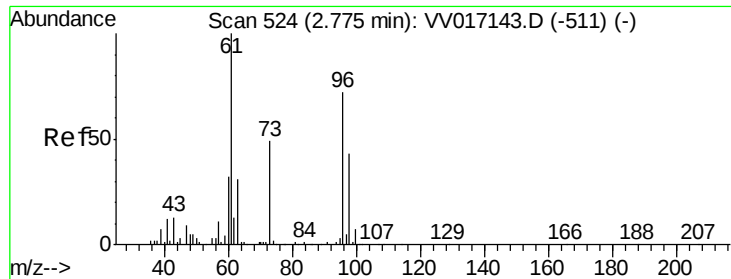


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

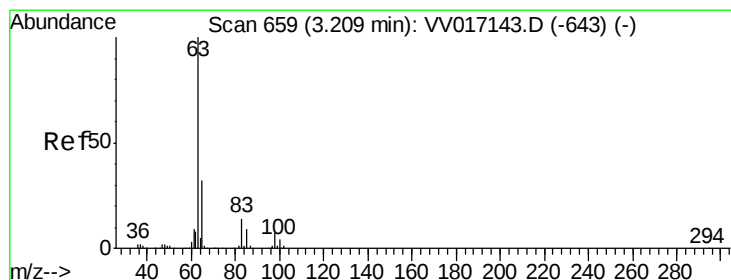
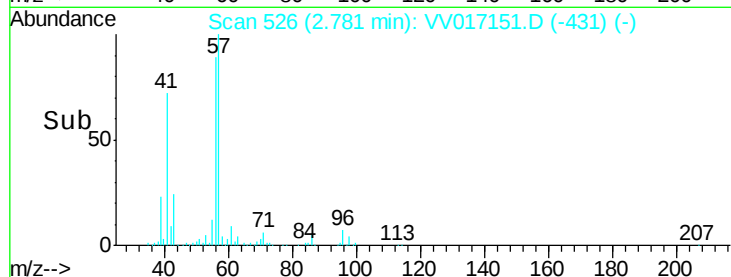
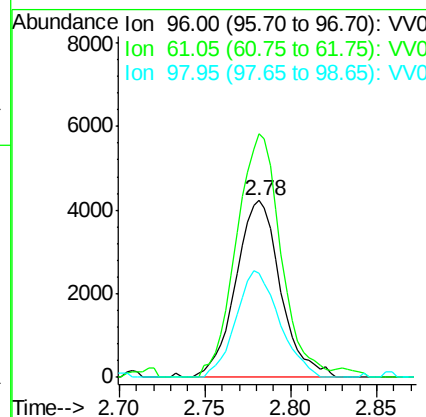
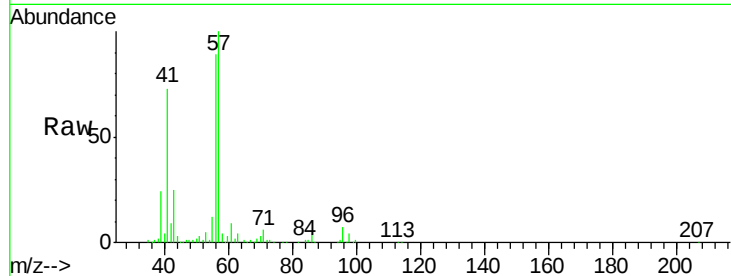




#18
trans-1,2-Dichloroethene
Concen: 0.918 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV017151.D
Acq: 26 Jun 2020 01:35

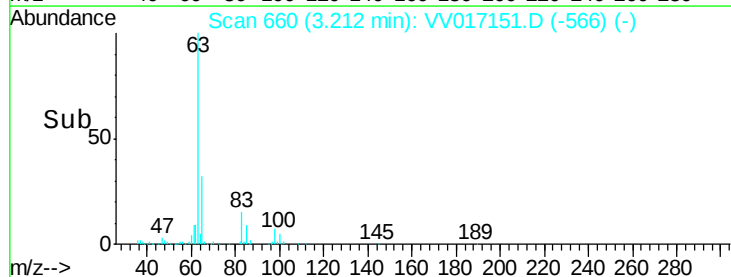
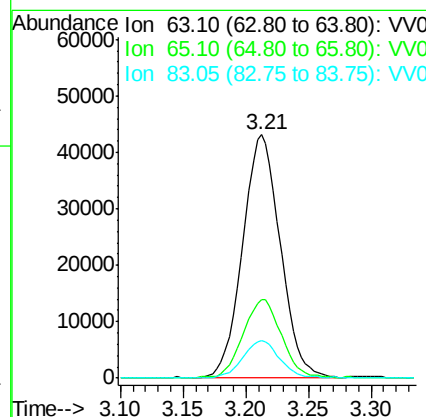
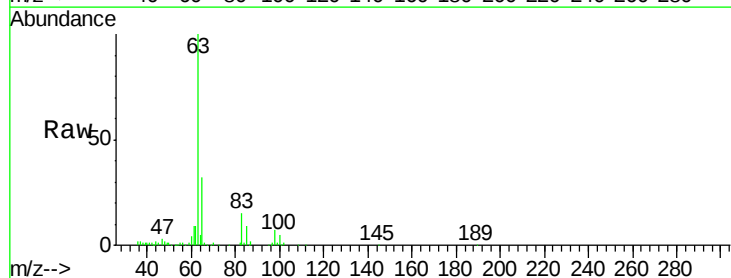
Instrument :
MSVOA_V
ClientSampleId :
BFXP1

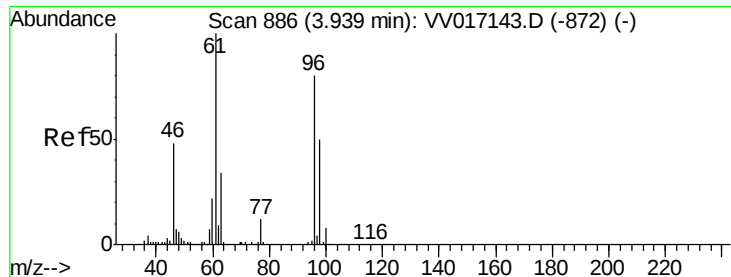
Tot Ion: 96 Resp: 7654
Ion Ratio Lower Upper
96 100
61 137.7 102.3 189.9
98 58.7 44.7 82.9



#19
1,1-Dichloroethane
Concen: 4.819 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV017151.D
Acq: 26 Jun 2020 01:35

Tgt Ion: 63 Resp: 90329
Ion Ratio Lower Upper
63 100
65 32.0 21.8 40.4
83 15.2 9.7 17.9



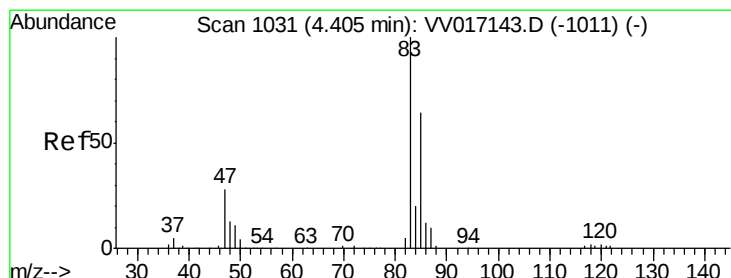
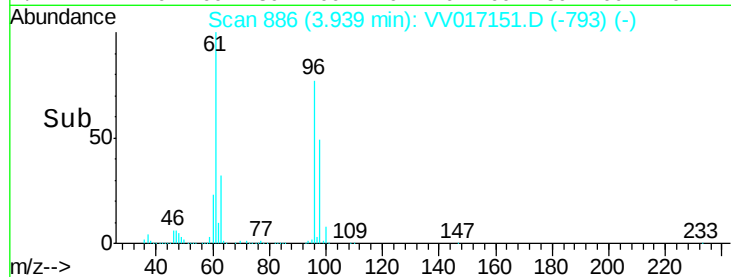
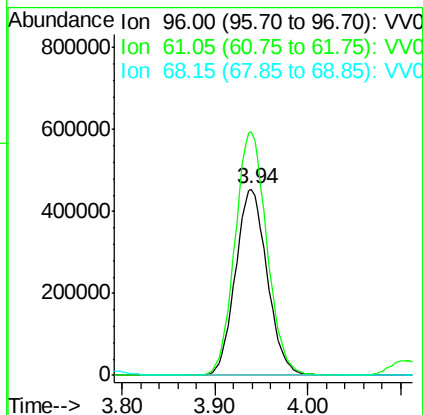
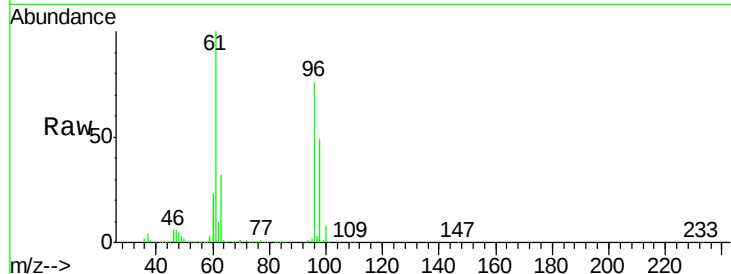


#22

cis-1,2-Dichloroethene
 Concen: 94.642 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV017151.D
 Acq: 26 Jun 2020 01:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXP1

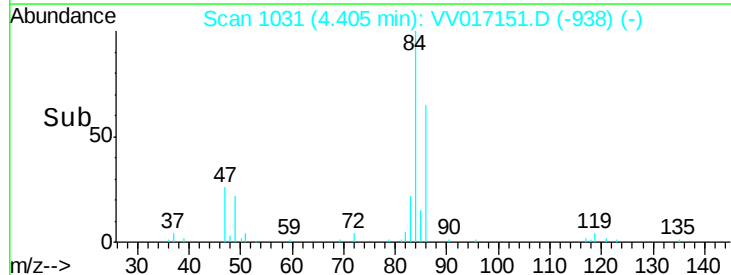
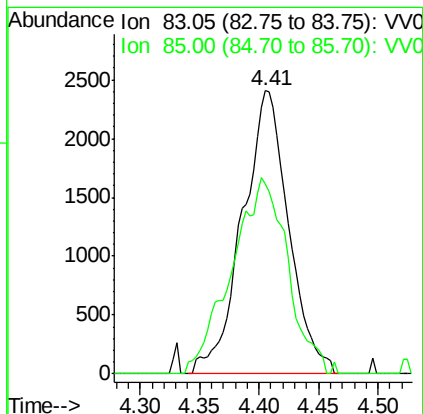
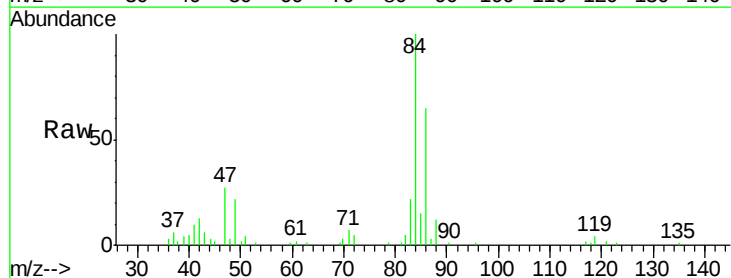
Tot Ion: 96 Resp: 1079583
 Ion Ratio Lower Upper
 96 100
 61 130.7 91.0 169.0
 68 0.0 0.0 0.0

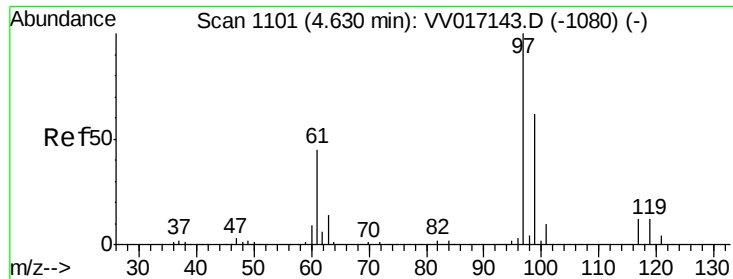


#25

Chloroform
 Concen: 0.317 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VV017151.D
 Acq: 26 Jun 2020 01:35

Tgt Ion: 83 Resp: 6482
 Ion Ratio Lower Upper
 83 100
 85 67.3 44.2 82.2

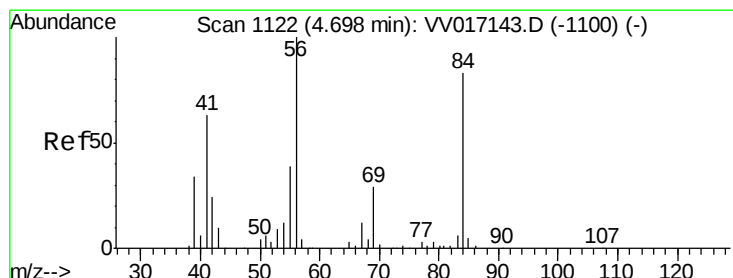
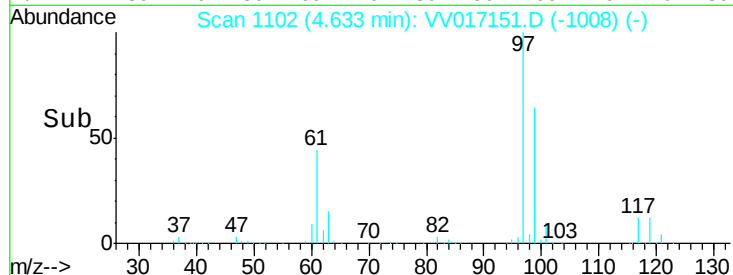
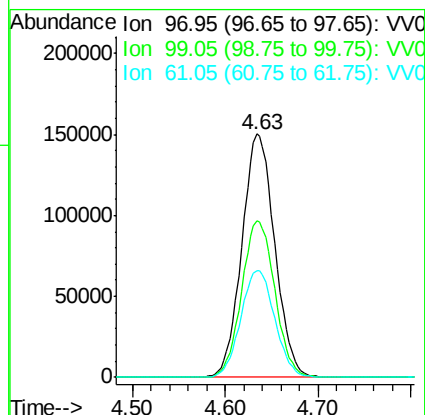
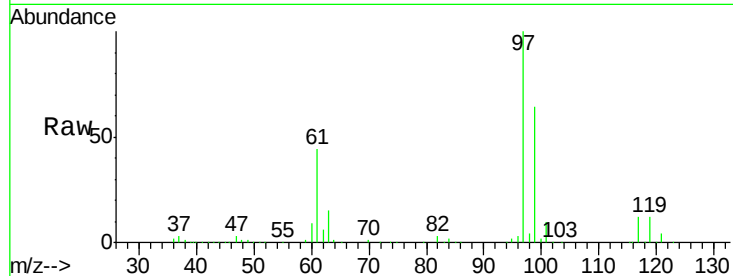




#29
 1,1,1-Trichloroethane
 Concen: 19.422 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017151.D
 Acq: 26 Jun 2020 01:35

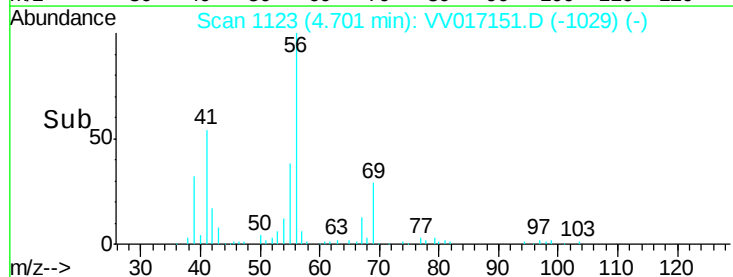
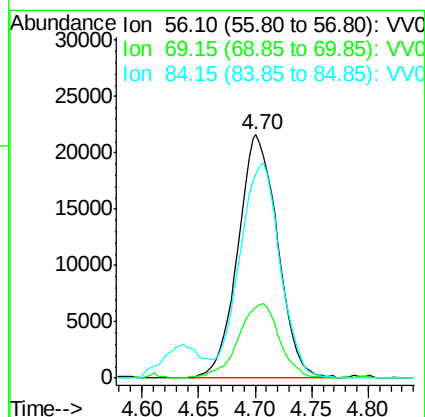
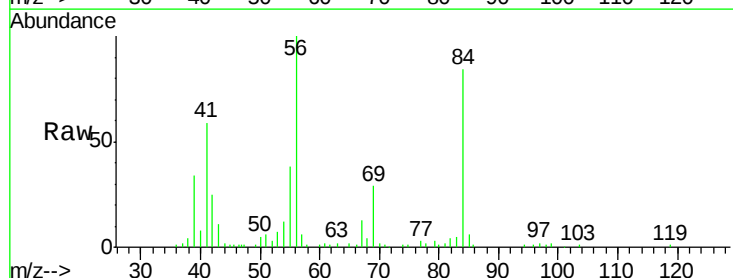
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXP1

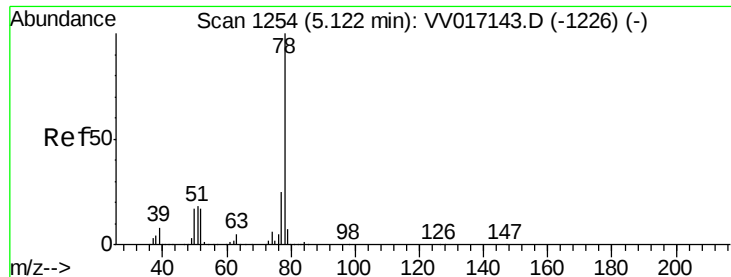
Tot Ion: 97 Resp: 369600
 Ion Ratio Lower Upper
 97 100
 99 64.9 50.3 75.5
 61 45.2 36.0 54.0



#30
 Cyclohexane
 Concen: 2.917 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV017151.D
 Acq: 26 Jun 2020 01:35

Tgt Ion: 56 Resp: 52820
 Ion Ratio Lower Upper
 56 100
 69 31.7 24.4 36.6
 84 90.1 69.9 104.9





#33

Benzene

Concen: 0.388 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV017151.D

Acq: 26 Jun 2020 01:35

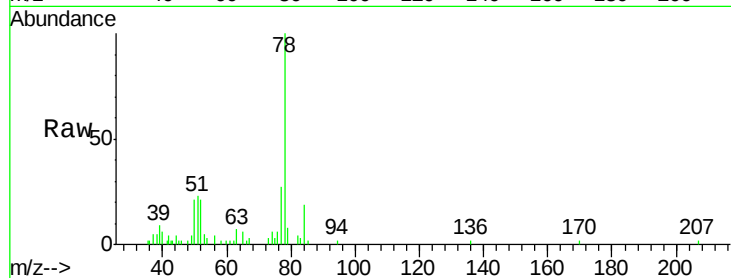
Instrument :

MSVOA_V

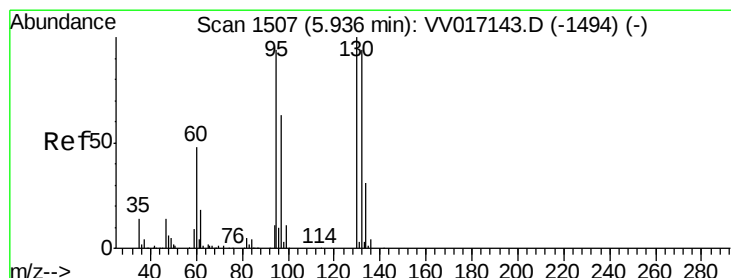
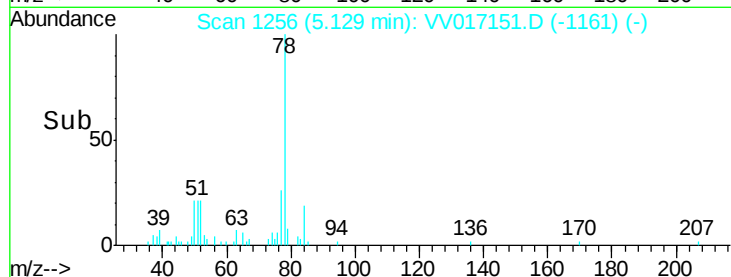
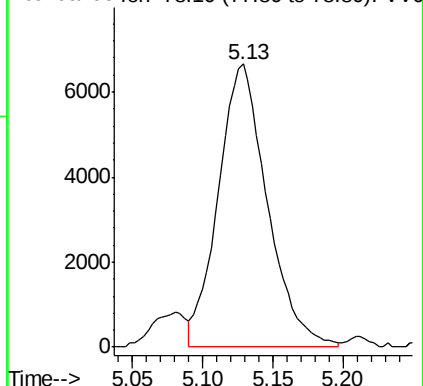
ClientSampled :

BFXP1

Tgt Ion: 78 Resp: 16143



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.577 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017151.D

Acq: 26 Jun 2020 01:35

Tgt Ion: 95 Resp: 80112

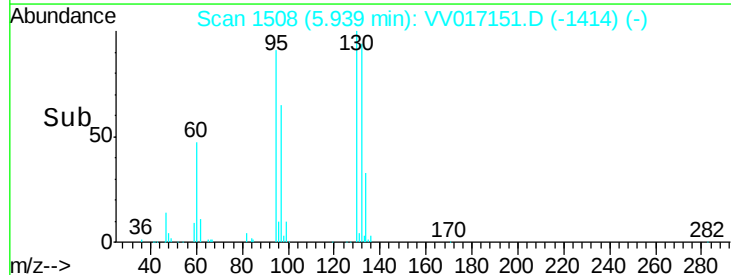
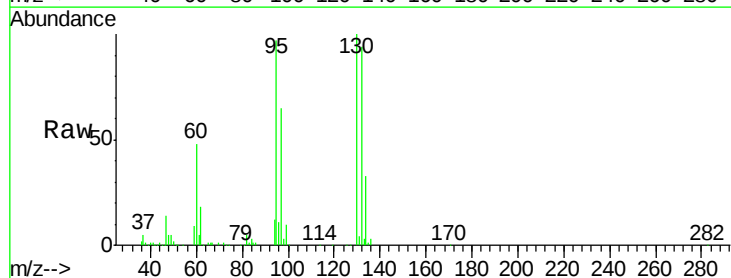
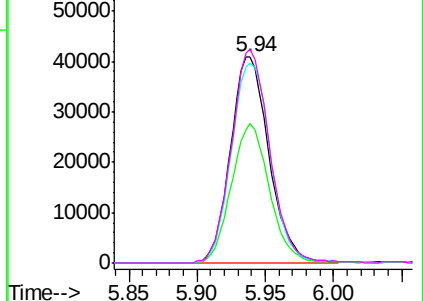
Ion	Ratio	Lower	Upper
95	100		
97	67.6	45.3	84.1
132	96.8	68.8	127.8
130	103.5	70.2	130.4

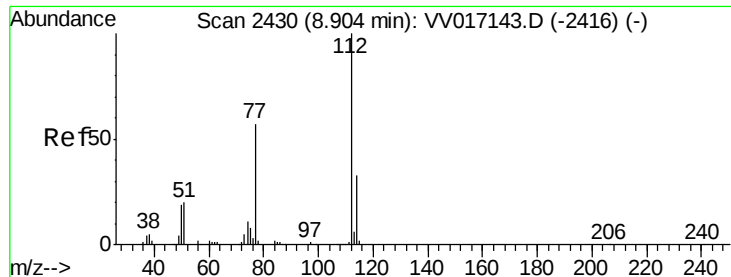
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#53

Chlorobenzene

Concen: 5.014 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV017151.D

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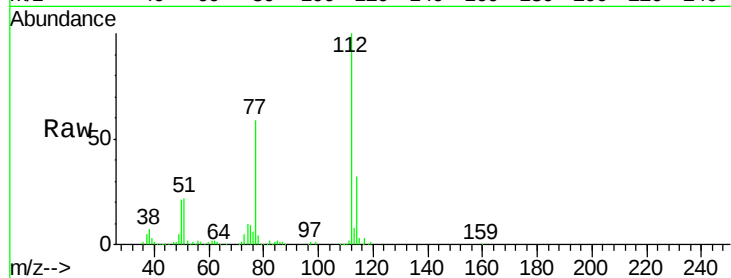
Tot Ion:112 Resp: 151169

Ion Ratio Lower Upper

112 100

114 31.9 22.0 41.0

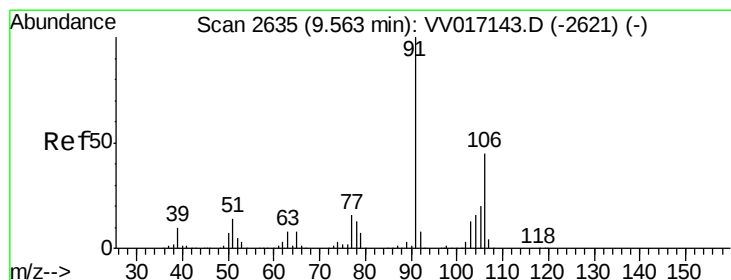
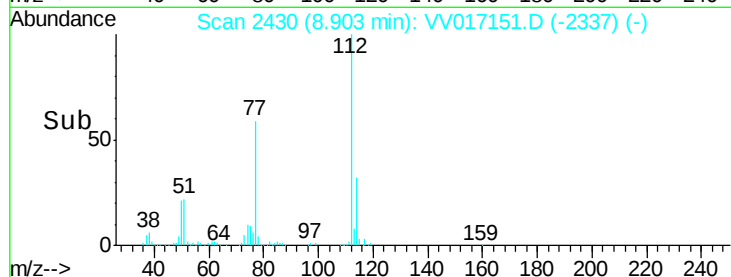
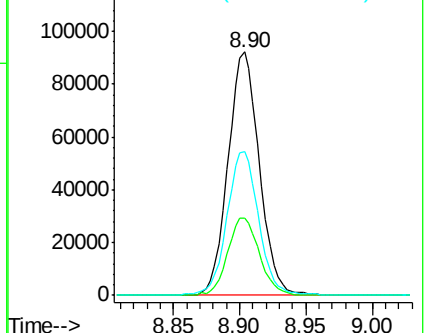
77 59.2 46.0 69.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#56

o-xylene

Concen: 0.643 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017151.D

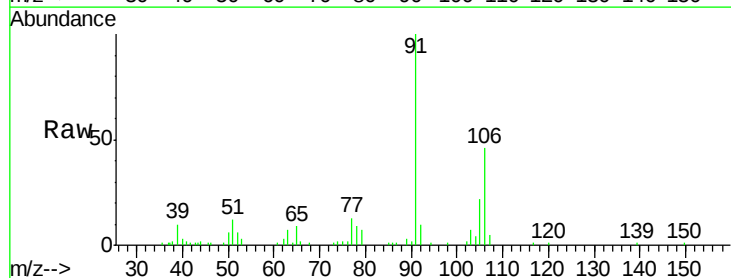
Acq: 26 Jun 2020 01:35

Tgt Ion:106 Resp: 12144

Ion Ratio Lower Upper

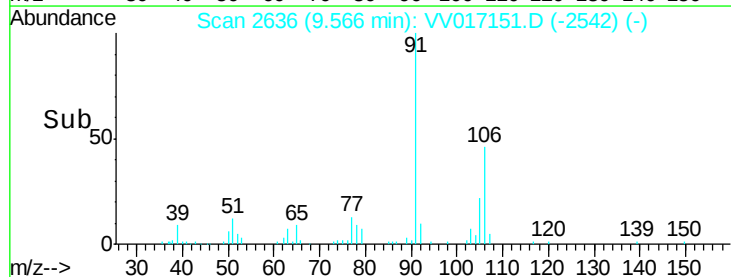
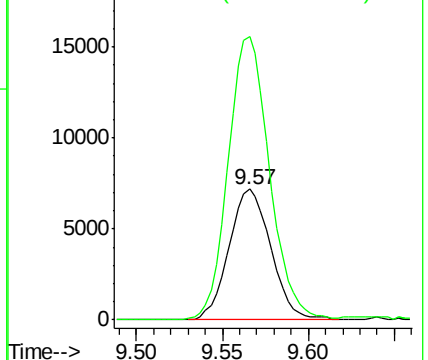
106 100

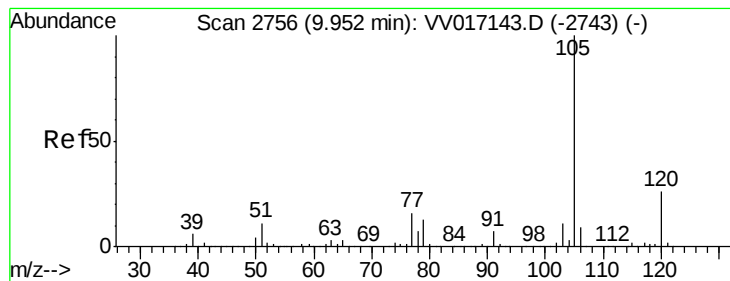
91 216.6 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): V





#58

Isopropylbenzene

Concen: 0.115 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017151.D

Acq: 26 Jun 2020 01:35

Instrument :

MSVOA_V

ClientSampled :

BFXP1

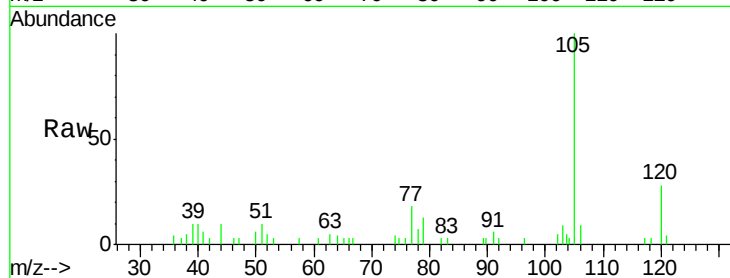
Tot Ion:105 Resp: 5975

Ion Ratio Lower Upper

105 100

120 27.8 21.2 31.8

77 20.6 13.0 19.4#

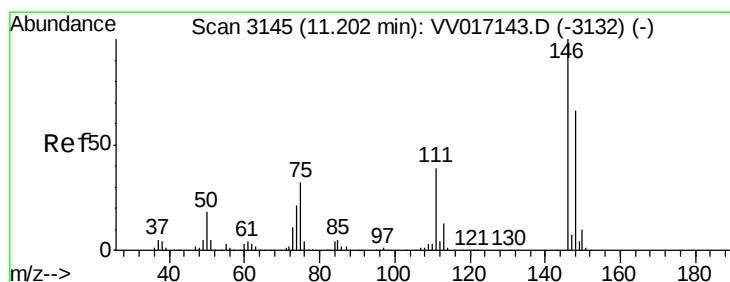
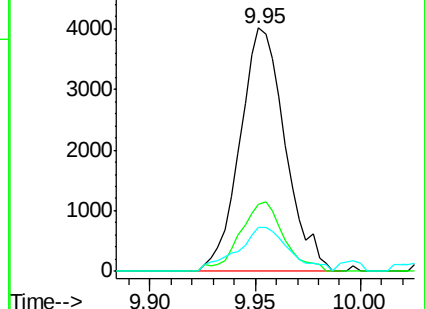
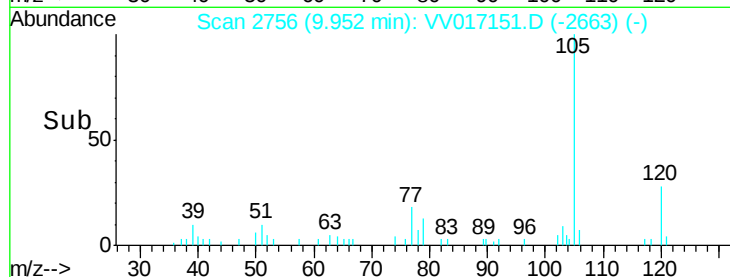


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#63

1,3-Dichlorobenzene

Concen: 0.671 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017151.D

Acq: 26 Jun 2020 01:35

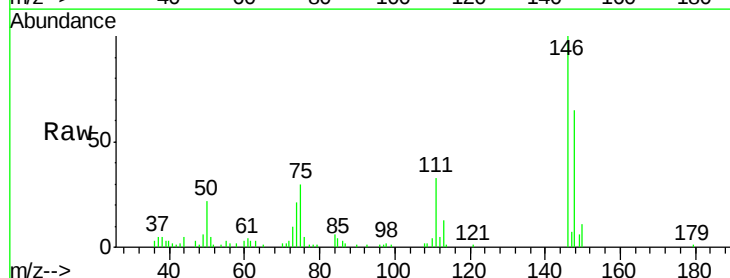
Tgt Ion:146 Resp: 14839

Ion Ratio Lower Upper

146 100

111 32.6 29.2 54.2

148 64.9 44.9 83.5

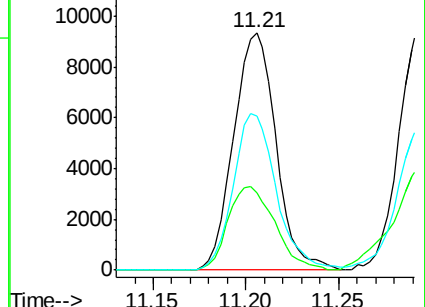
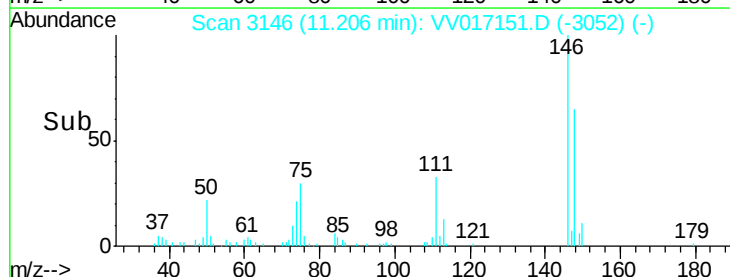


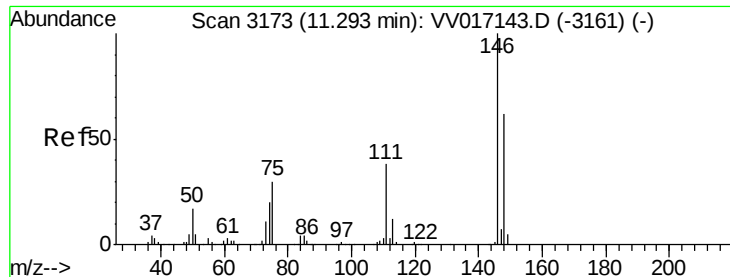
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->





#64

1,4-Dichlorobenzene

Concen: 0.707 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017151.D

Acq: 26 Jun 2020 01:35

Instrument :

MSVOA_V

ClientSampleId :

BFXP1

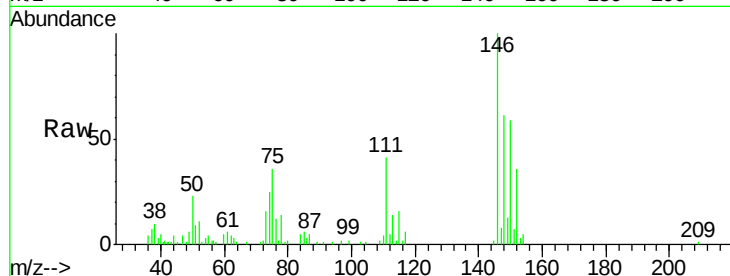
Tot Ion:146 Resp: 15897

Ion Ratio Lower Upper

146 100

111 40.8 27.4 50.8

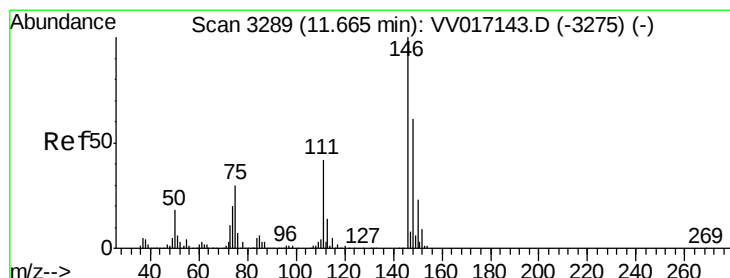
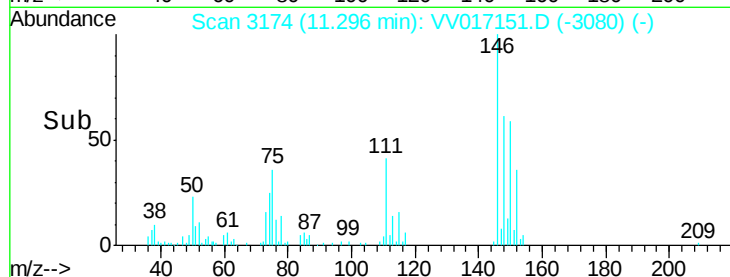
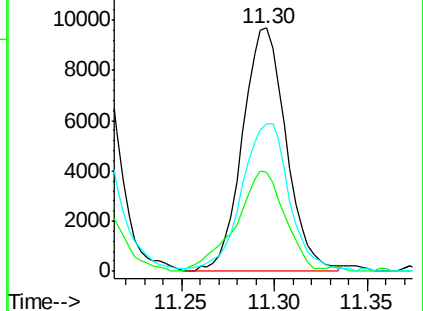
148 60.7 44.3 82.3



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



#66

1,2-Dichlorobenzene

Concen: 0.644 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV017151.D

Acq: 26 Jun 2020 01:35

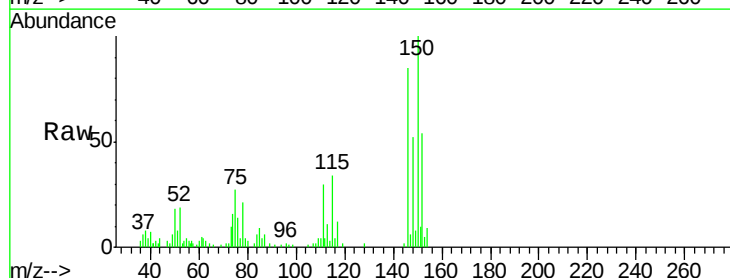
Tgt Ion:146 Resp: 12940

Ion Ratio Lower Upper

146 100

111 34.9 34.4 51.6

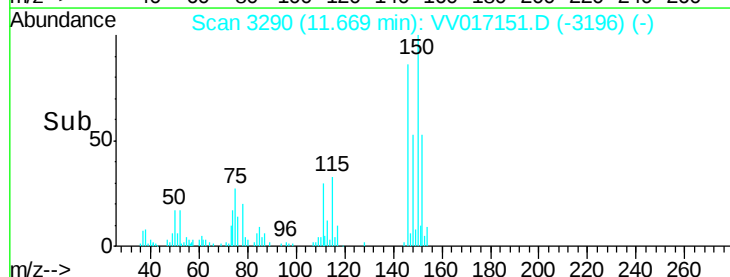
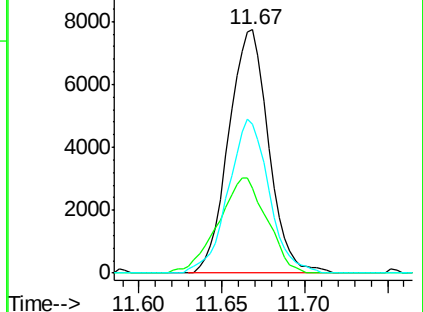
148 61.2 49.9 74.9

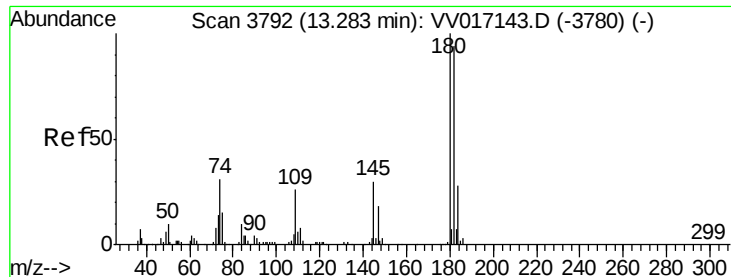


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

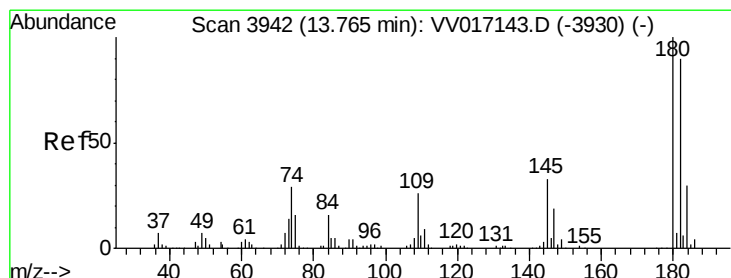
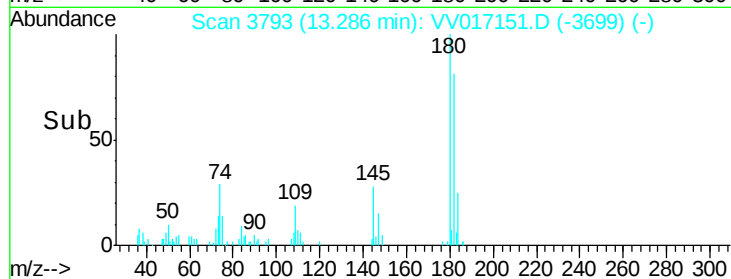
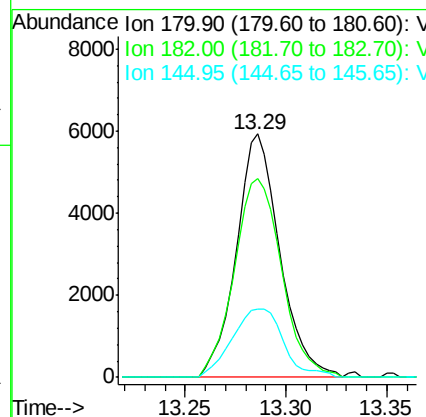
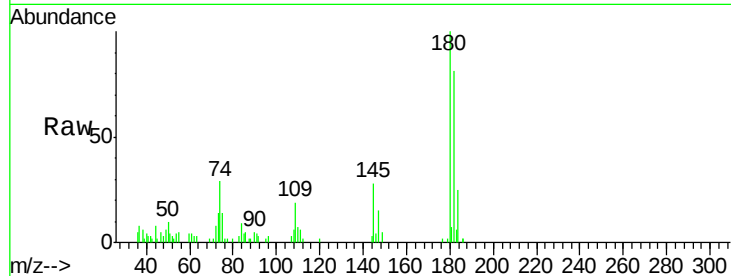




#69
 1,2,4-trichlorobenzene
 Concen: 0.612 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017151.D
 Acq: 26 Jun 2020 01:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXP1

Tot Ion:180 Resp: 8956
 Ion Ratio Lower Upper
 180 100
 182 89.0 76.6 114.8
 145 33.1 25.0 37.6



#71
 1,2,3-Trichlorobenzene
 Concen: 0.300 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV017151.D
 Acq: 26 Jun 2020 01:35

Tgt Ion:180 Resp: 3584
 Ion Ratio Lower Upper
 180 100
 182 101.6 77.4 116.0
 145 39.1 25.9 38.9#

