

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015328.D
 Acq On : 01 Apr 2020 11:09
 Operator : SY/MD
 Sample : VSTD01061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 01:46:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 01:39:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	550637	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	519574	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	237065	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56468	11.44	ug/L	0.00
7) Chloroethane-d5	1.58	69	47367	11.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	98632	11.18	ug/L	0.00
21) 2-Butanone-d5	3.94	46	52395	19.87	ug/L	0.02
24) Chloroform-d	4.38	84	91522	11.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	58675	11.56	ug/L	0.00
32) Benzene-d6	5.08	84	185110	11.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	54472	11.55	ug/L	0.00
41) Toluene-d8	7.34	98	175770	11.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	28603	10.97	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	49071	22.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	77852	11.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	62016	11.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	52505	10.544 ug/L	98
3) Chloromethane	1.25	50	50645	10.792 ug/L	97
5) Vinyl chloride	1.32	62	53483	10.880 ug/L	100
6) Bromomethane	1.53	94	33937	10.444 ug/L	98
8) Chloroethane	1.60	64	38956	11.536 ug/L	94
9) Trichlorofluoromethane	1.77	101	92654	9.970 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	45601	10.980 ug/L	98
12) 1,1-Dichloroethene	2.13	96	41705	10.489 ug/L	98
13) Acetone	2.21	43	37479	21.758 ug/L	94
14) Carbon disulfide	2.31	76	115404	10.588 ug/L	99
15) Methyl Acetate	2.46	43	38791	10.216 ug/L	98
16) Methylene chloride	2.53	84	44674	10.719 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	39410	10.475 ug/L	97
18) Methyl tert-butyl Ether	2.79	73	135053	10.889 ug/L	98
19) 1,1-Dichloroethane	3.22	63	73746	10.774 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	45892	10.652 ug/L	# 97
22) 2-Butanone	4.03	43	47974	18.309 ug/L	86
23) Bromochloromethane	4.28	128	22862	10.515 ug/L	96
25) Chloroform	4.41	83	80224	10.808 ug/L	99
27) 1,2-Dichloroethane	5.16	62	60973	10.906 ug/L	98
29) Cyclohexane	4.70	56	66607	10.775 ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	72561	10.868 ug/L	98
31) Carbon tetrachloride	4.86	117	61746	10.817 ug/L	99
33) Benzene	5.13	78	169181	11.001 ug/L	100
34) Trichloroethene	5.94	95	43398	10.658 ug/L	91
35) Methylcyclohexane	6.15	83	73838	11.068 ug/L	99
37) 1,2-Dichloropropane	6.20	63	39142	10.371 ug/L	99
38) Bromodichloromethane	6.53	83	59028	10.668 ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	66925	10.551 ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	116124	21.885 ug/L	99

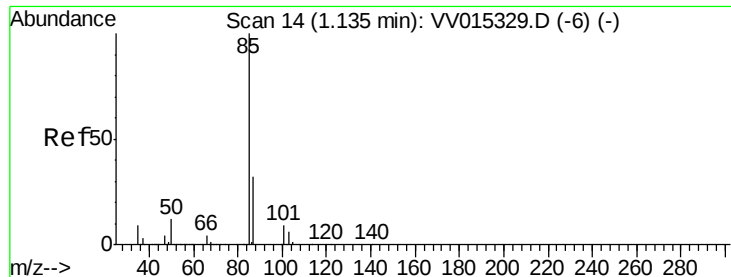
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
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 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 01:39:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	182474	10.677	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	64720	10.501	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	41396	10.401	ug/L	92
46) Tetrachloroethene	8.00	164	29663	10.161	ug/L	98
48) 2-Hexanone	8.17	43	83717	20.836	ug/L	97
49) Dibromochloromethane	8.27	129	44644	10.242	ug/L	98
50) 1,2-Dibromoethane	8.38	107	44951	10.580	ug/L	90
51) Chlorobenzene	8.90	112	117990	10.533	ug/L	96
52) Ethylbenzene	9.04	91	205940	10.735	ug/L	100
53) m,p-Xylene	9.16	106	77183	10.449	ug/L	97
54) o-xylene	9.57	106	77479	10.471	ug/L	89
55) Styrene	9.59	104	126747	10.301	ug/L	96
56) Isopropylbenzene	9.95	105	204270	10.658	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	69223	10.833	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	54931	10.778	ug/L	99
61) Bromoform	9.75	173	26496	10.006	ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	84888	10.636	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	85233	10.530	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	89522	10.998	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	17633	10.970	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.67	180	54464	10.297	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	46863	9.700	ug/L	97
69) Naphthalene	13.53	128	189129	10.240	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	50734	10.194	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 10.544 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

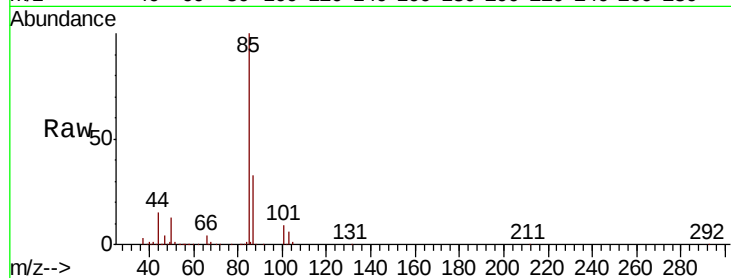
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 52505

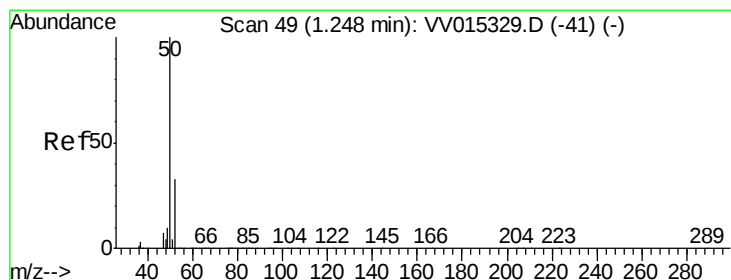
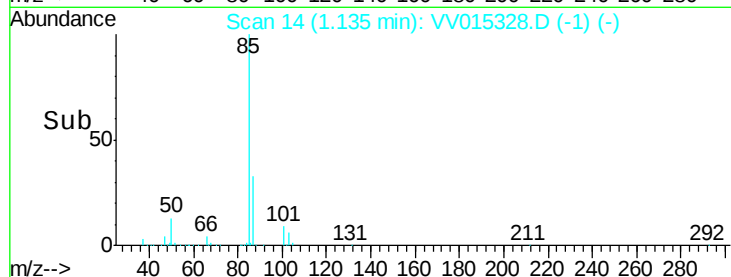
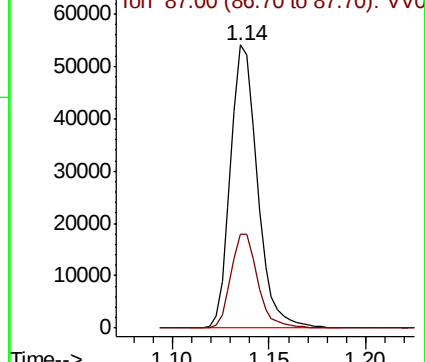
Ion Ratio Lower Upper

85 100

87 32.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV015328.D (-6) (-)



#3

Chloromethane

Concen: 10.792 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015328.D

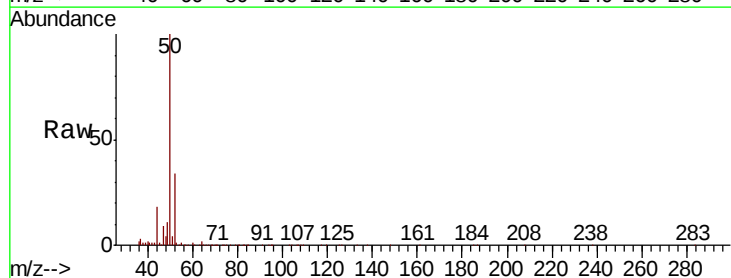
Acq: 01 Apr 2020 11:09

Tgt Ion: 50 Resp: 50645

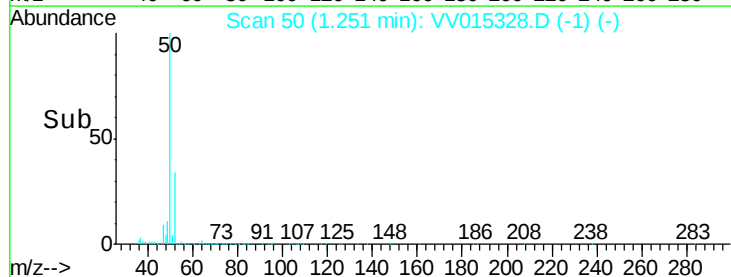
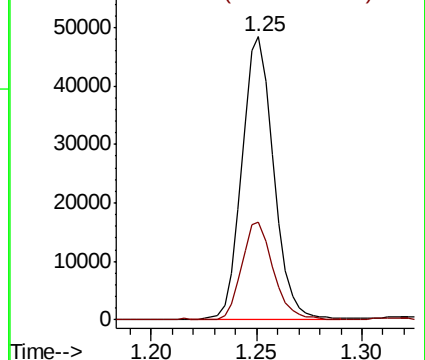
Ion Ratio Lower Upper

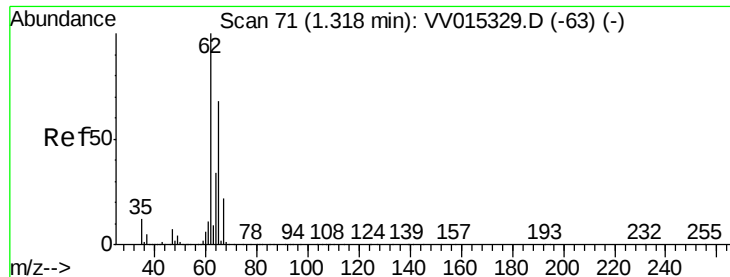
50 100

52 34.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV015328.D (-41) (-)





#5

Vinyl chloride

Concen: 10.880 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

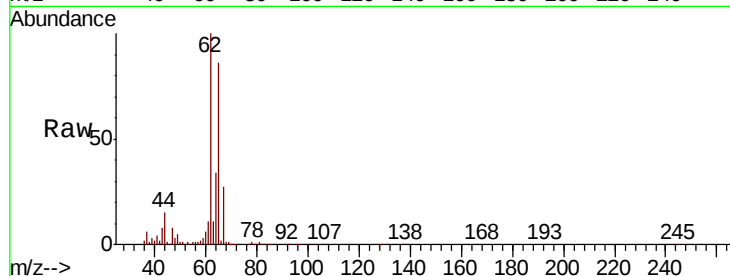
ClientSampleId :

Tot Ion: 62 Resp: 53483

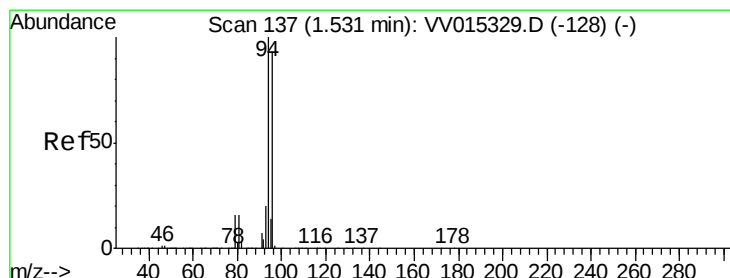
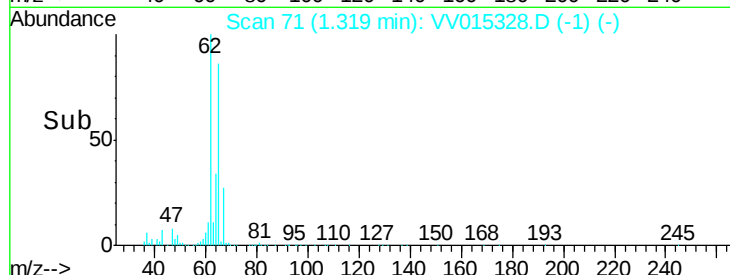
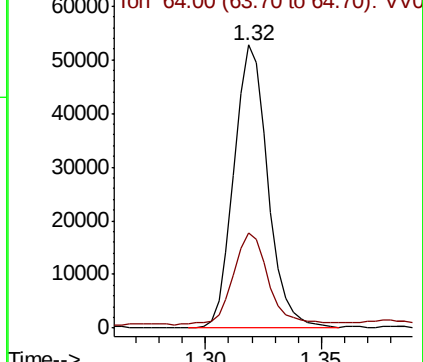
Ion Ratio Lower Upper

62 100

64 33.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV015328.D (-63) (-)



#6

Bromomethane

Concen: 10.444 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015328.D

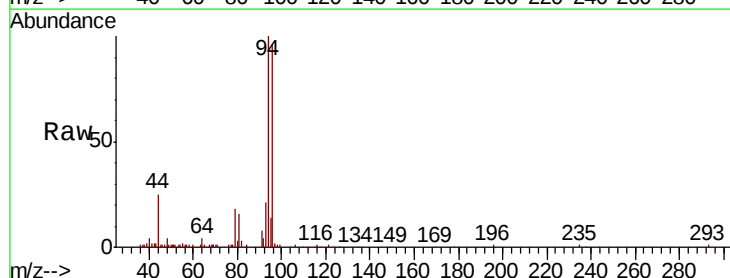
Acq: 01 Apr 2020 11:09

Tgt Ion: 94 Resp: 33937

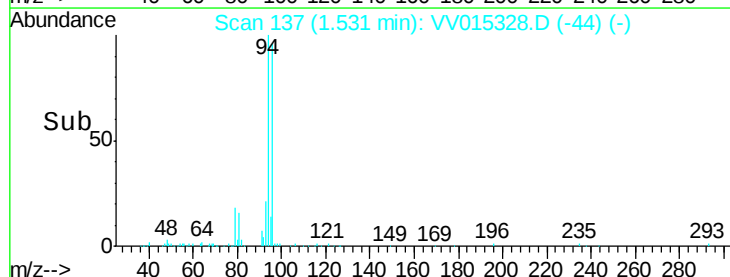
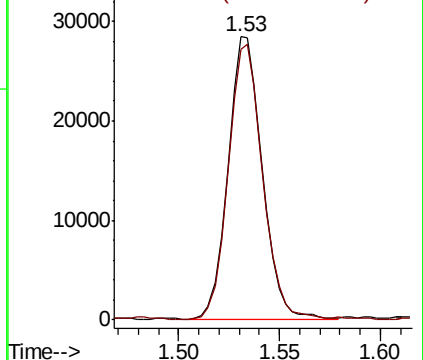
Ion Ratio Lower Upper

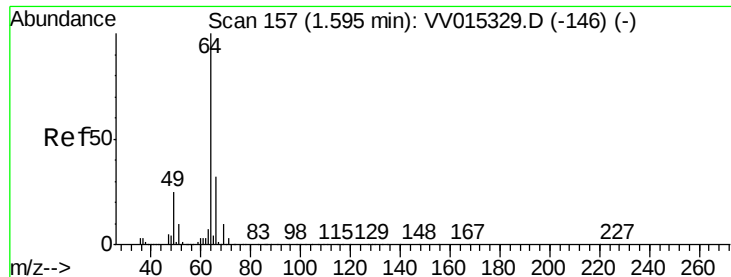
94 100

96 95.5 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV015328.D (-128) (-)





#8

Chloroethane

Concen: 11.536 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

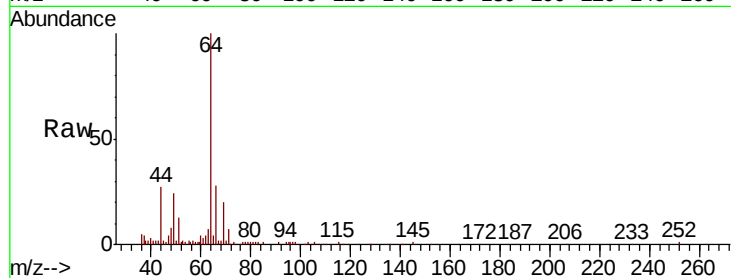
ClientSampleId :

Tot Ion: 64 Resp: 38956

Ion Ratio Lower Upper

64 100

66 28.2 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV015328.D (-157) (-)

Ion 66.00 (65.70 to 66.70): VV015328.D (-157) (-)

1.60

30000

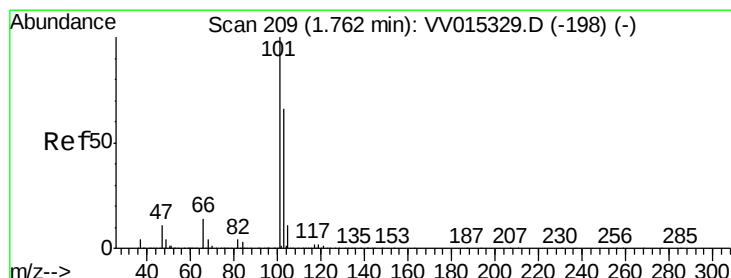
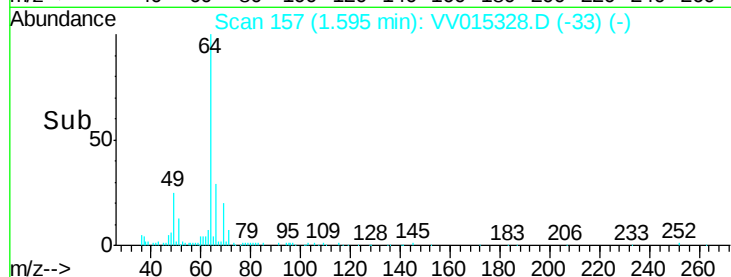
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 9.970 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015328.D

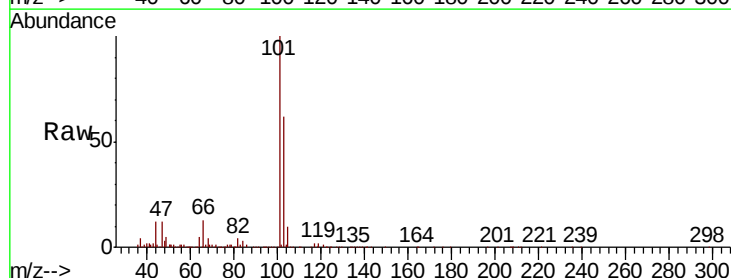
Acq: 01 Apr 2020 11:09

Tgt Ion: 101 Resp: 92654

Ion Ratio Lower Upper

101 100

103 63.1 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015328.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VV015328.D (-210) (-)

1.77

80000

60000

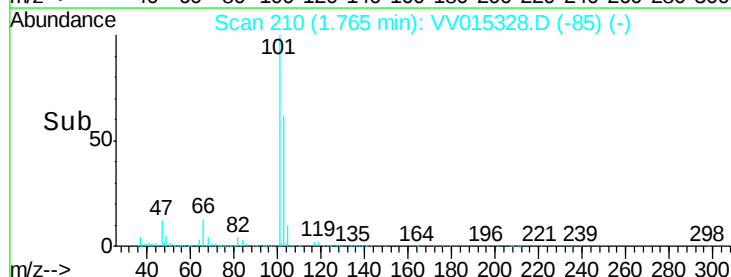
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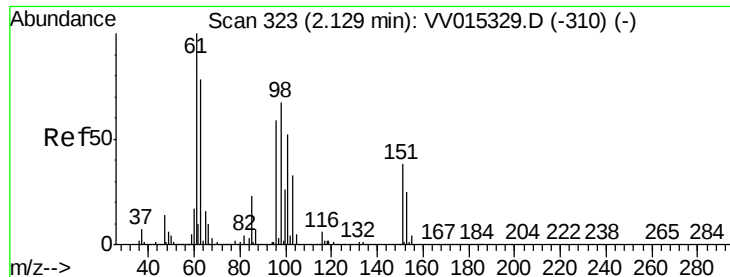
20000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 10.980 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

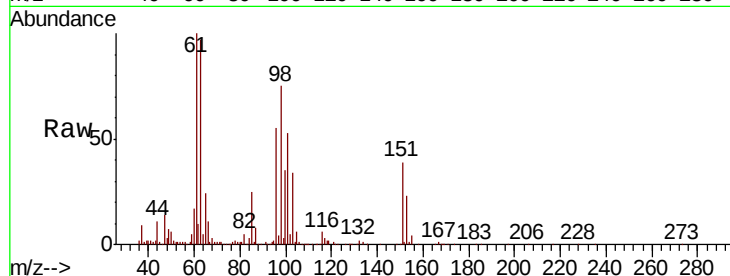
Tot Ion:101 Resp: 45601

Ion Ratio Lower Upper

101 100

85 47.1 36.1 54.1

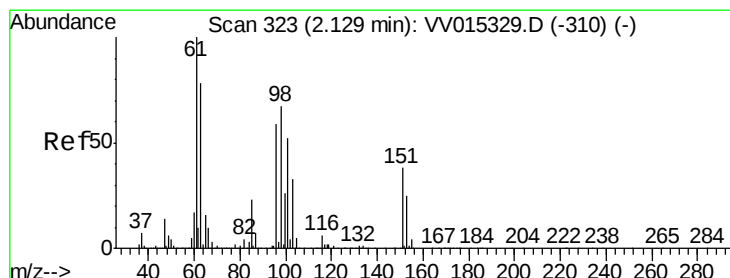
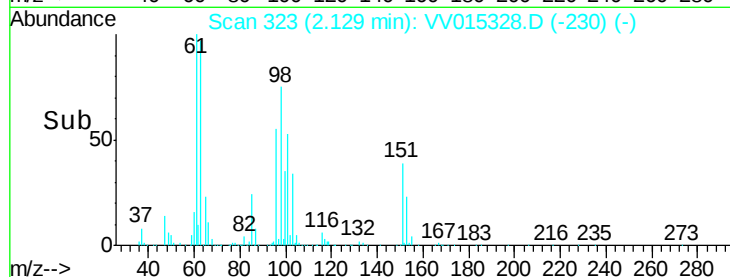
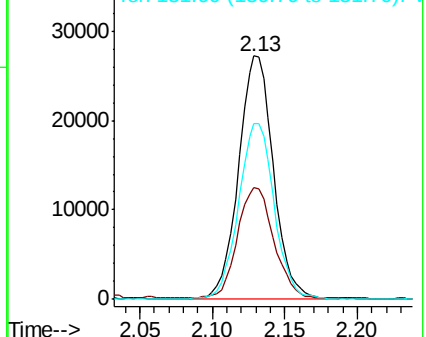
151 73.8 58.2 87.4



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: 10.489 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

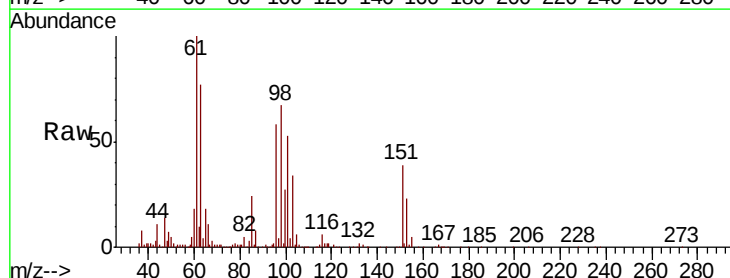
Tgt Ion: 96 Resp: 41705

Ion Ratio Lower Upper

96 100

61 171.9 118.0 219.2

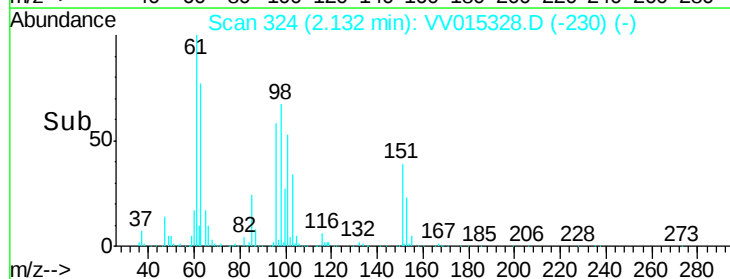
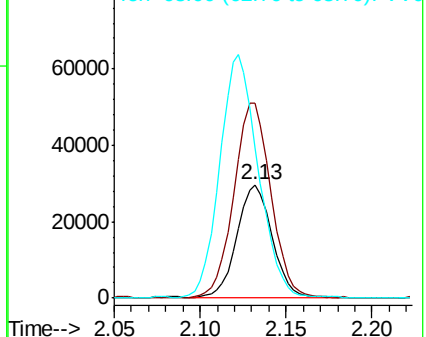
63 132.4 92.3 171.3

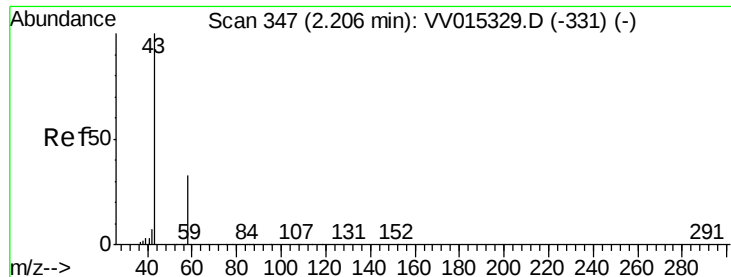


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 21.758 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

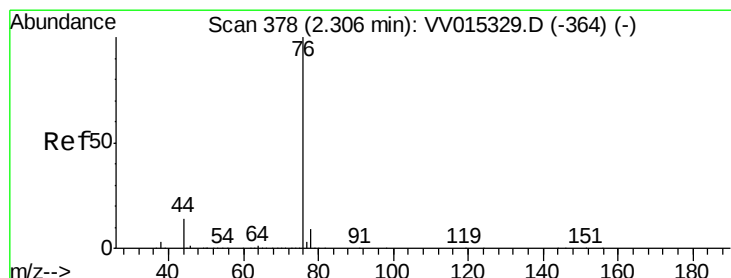
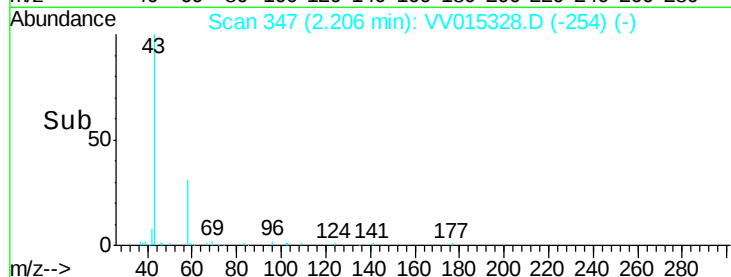
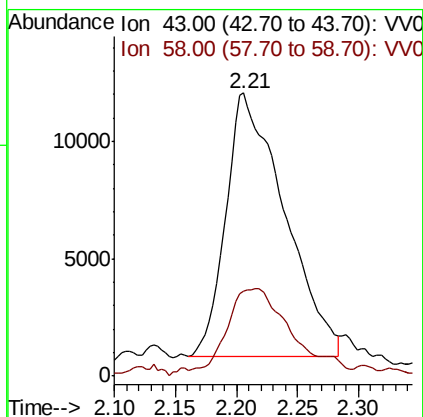
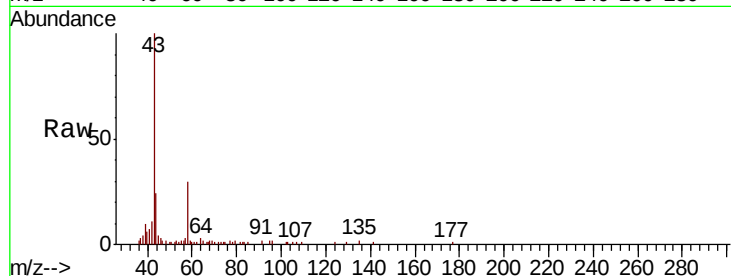
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 37479

Ion Ratio Lower Upper

43 100

58 30.7 0.0 68.2



#14

Carbon disulfide

Concen: 10.588 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015328.D

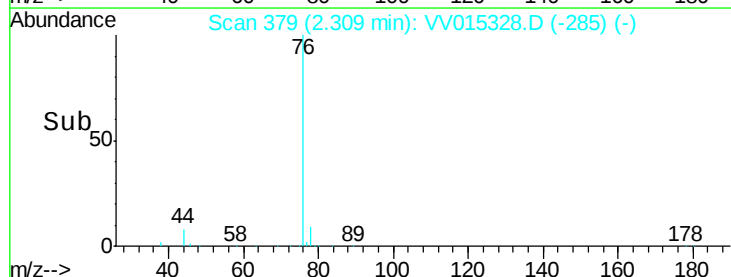
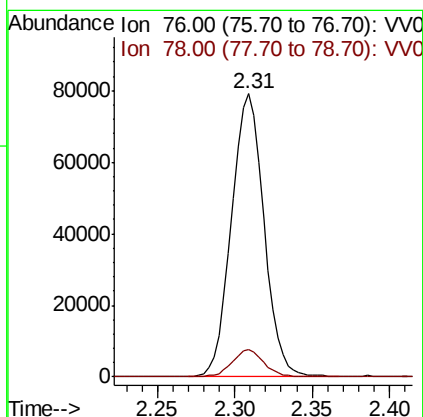
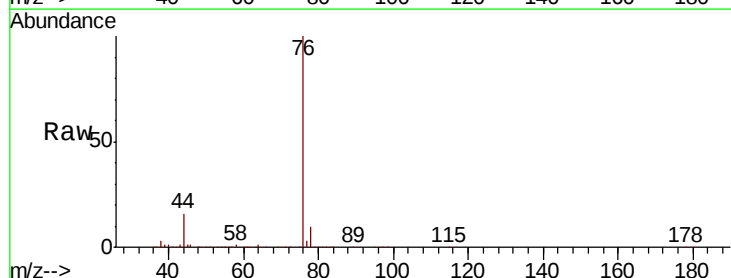
Acq: 01 Apr 2020 11:09

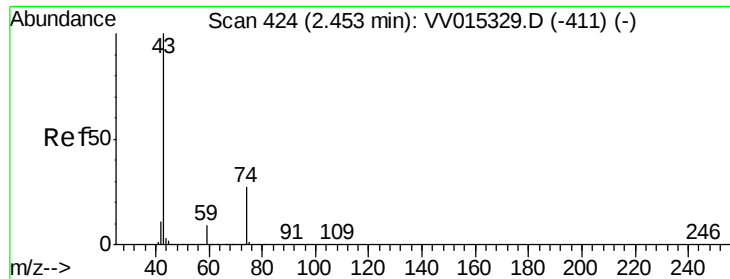
Tgt Ion: 76 Resp: 115404

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2

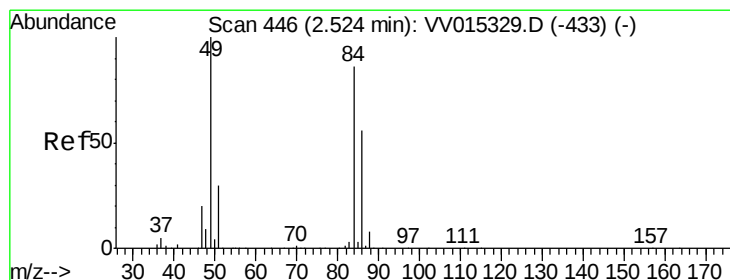
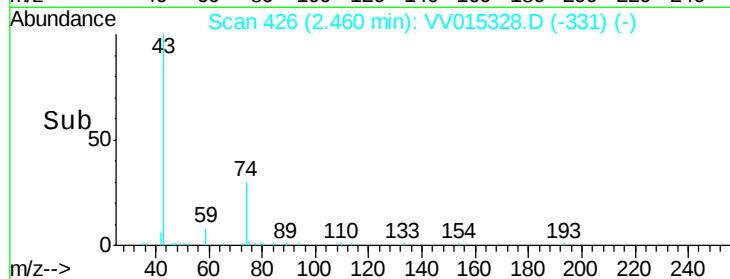
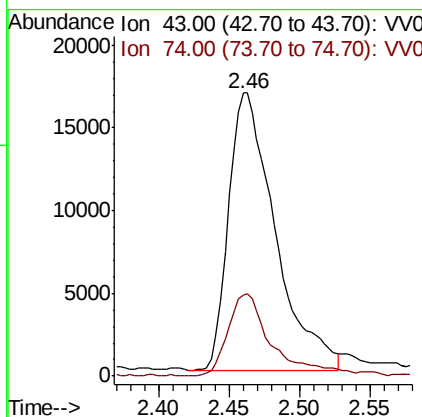
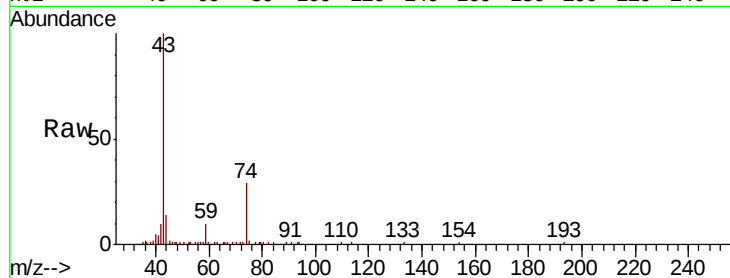




#15
Methvl Acetate
Concen: 10.216 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

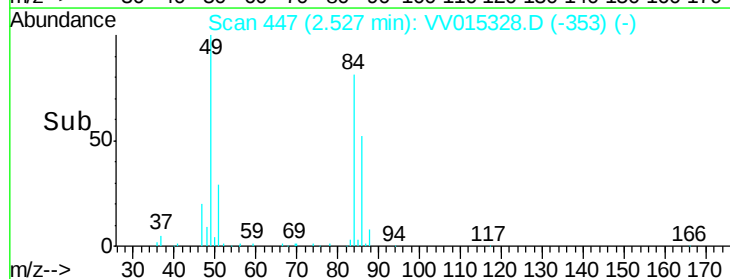
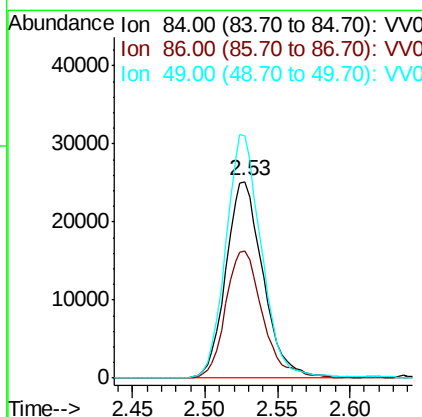
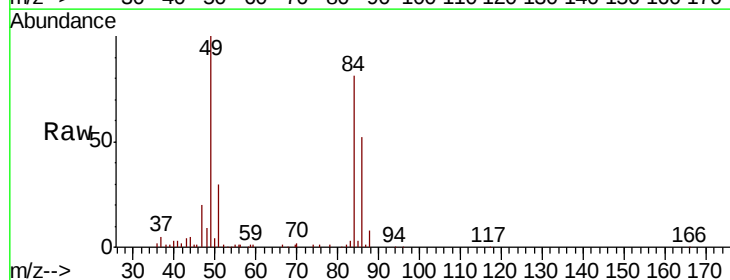
Instrument :
MSVOA_V
ClientSampleId :

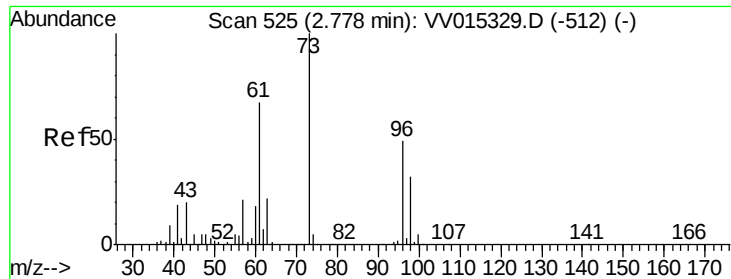
Tot Ion: 43 Resp: 38791
Ion Ratio Lower Upper
43 100
74 27.0 20.9 31.3



#16
Methylene chloride
Concen: 10.719 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

Tgt Ion: 84 Resp: 44674
Ion Ratio Lower Upper
84 100
86 64.8 45.1 83.9
49 123.6 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 10.475 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

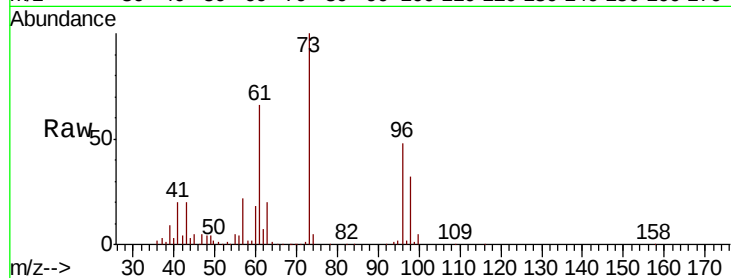
Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 39410

Ion	Ratio	Lower	Upper
96	100		
61	138.5	95.2	176.8
98	67.2	45.1	83.9

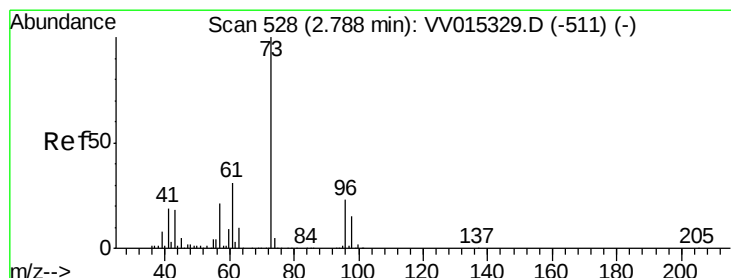
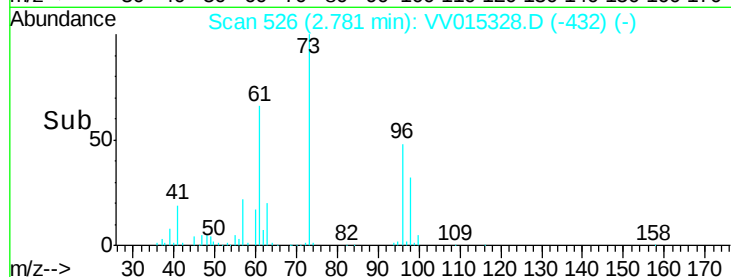
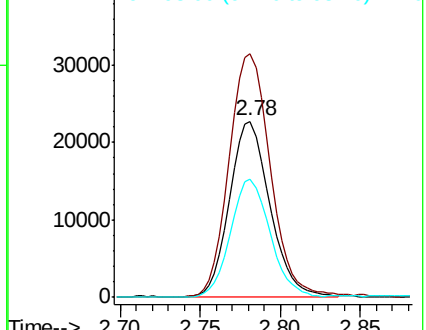


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 10.889 ug/L

RT: 2.79 min Scan# 529

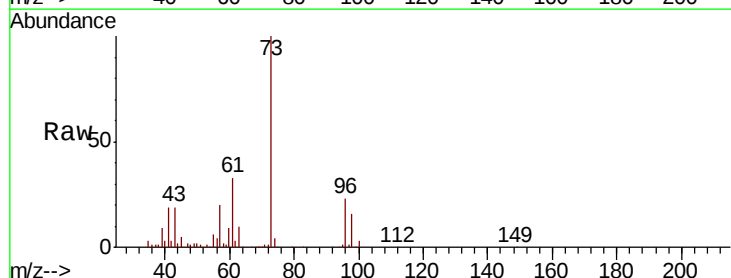
Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Tgt Ion: 73 Resp: 135053

Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.4	23.0
57	21.4	16.3	24.5

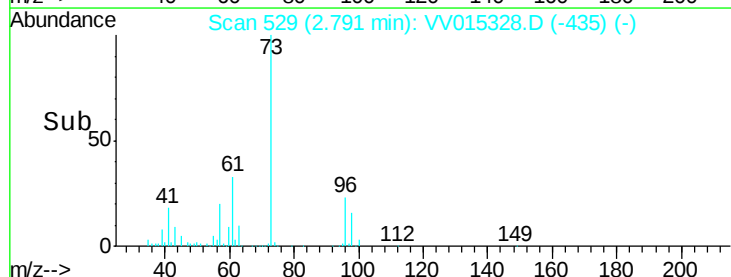
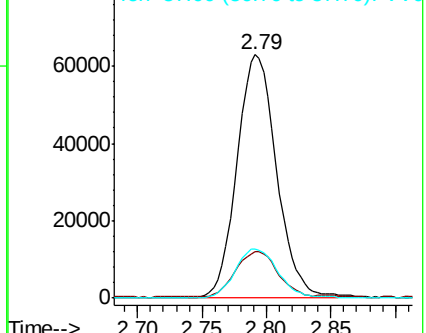


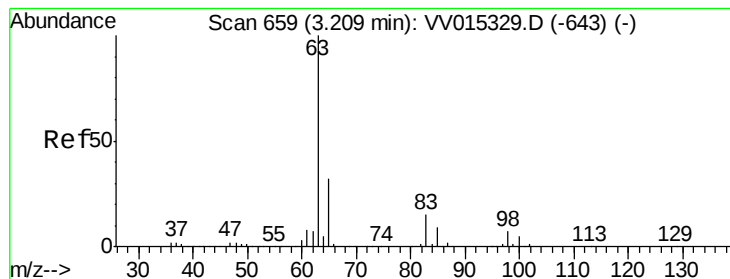
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 10.774 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

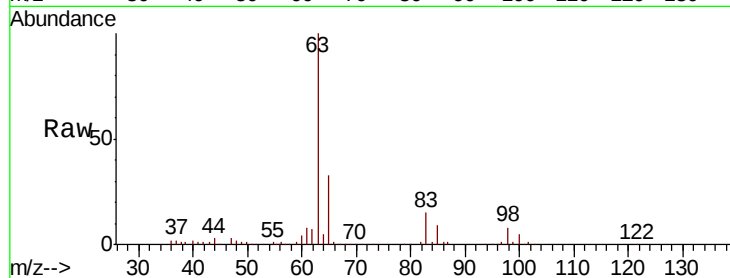
Tot Ion: 63 Resp: 73746

Ion Ratio Lower Upper

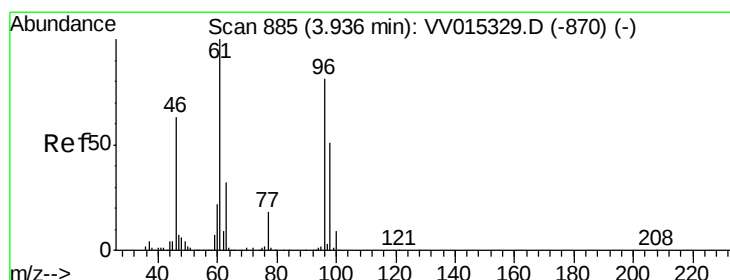
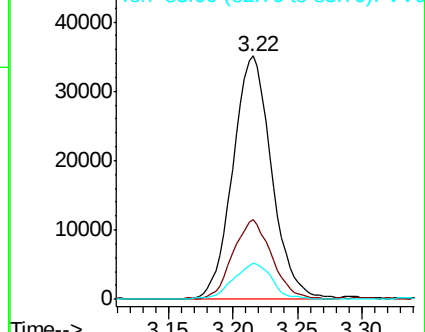
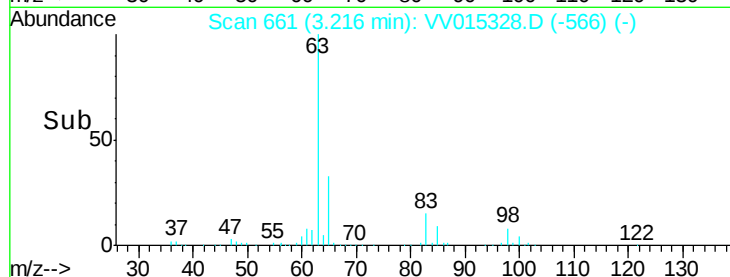
63 100

65 33.0 22.3 41.5

83 15.0 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VV015328.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.652 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

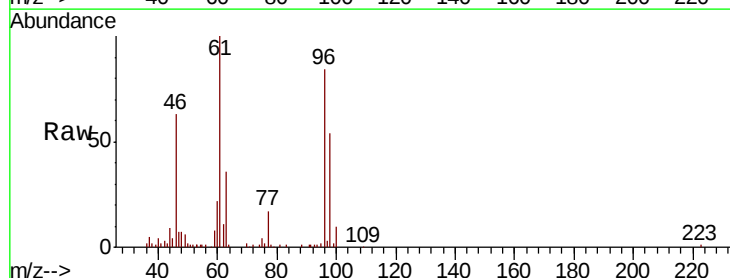
Tgt Ion: 96 Resp: 45892

Ion Ratio Lower Upper

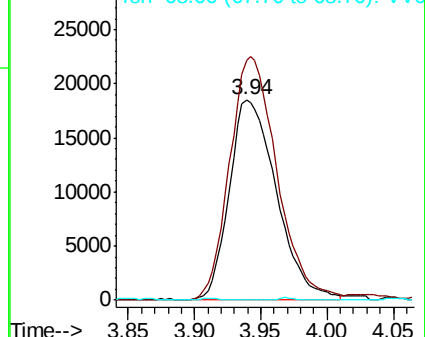
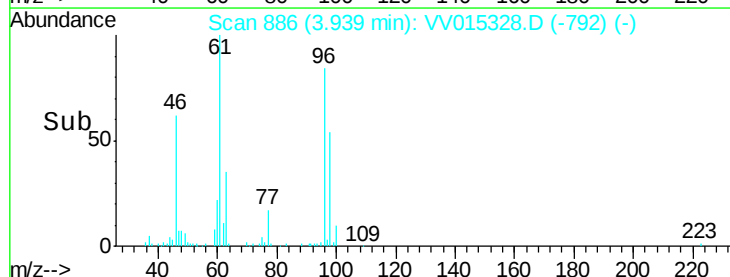
96 100

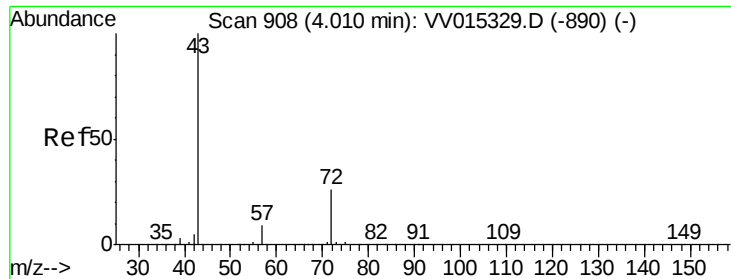
61 119.5 86.4 160.4

68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VV015328.D (-792) (-)





#22

2-Butanone

Concen: 18.309 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.02 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

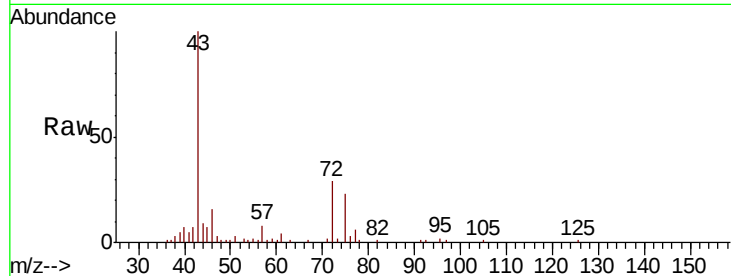
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 47974

Ion Ratio Lower Upper

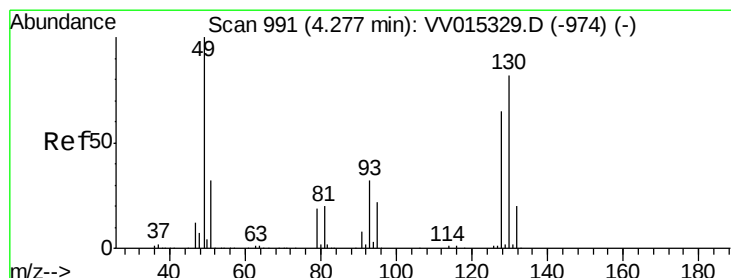
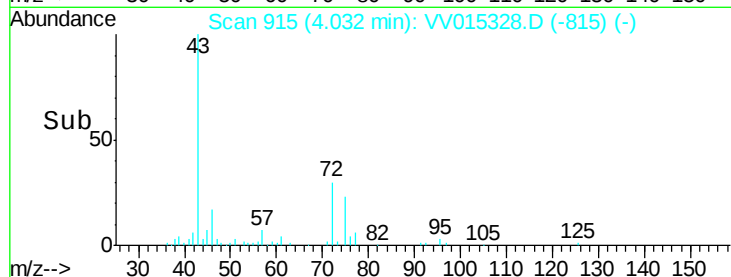
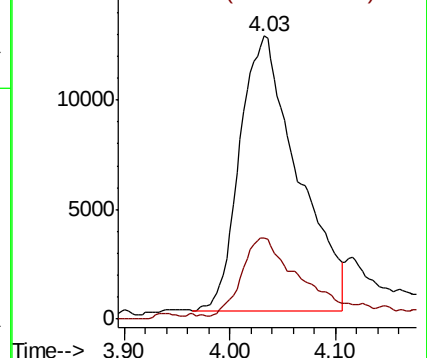
43 100

72 19.6 13.3 39.8



Abundance Ion 43.00 (42.70 to 43.70): VV015328.D (-815) (-)

Ion 72.00 (71.70 to 72.70): VV015328.D (-815) (-)



#23

Bromochloromethane

Concen: 10.515 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Tgt Ion:128 Resp: 22862

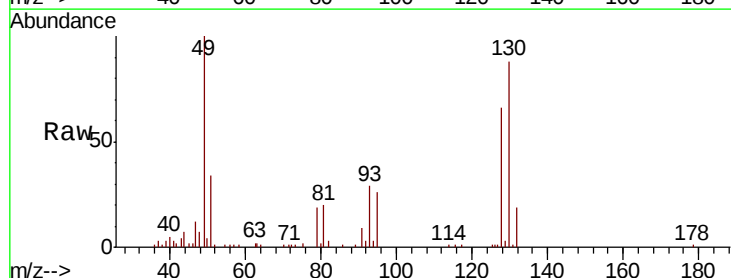
Ion Ratio Lower Upper

128 100

49 151.7 107.5 199.7

130 133.0 87.7 162.9

51 52.1 38.8 58.2

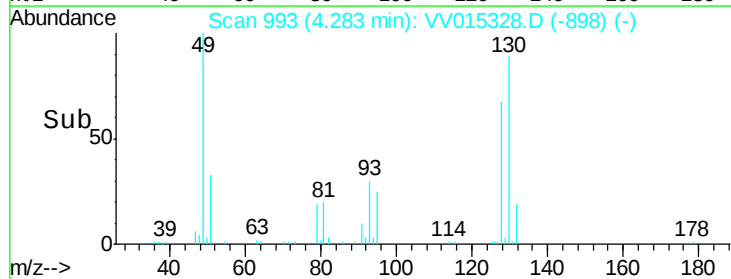
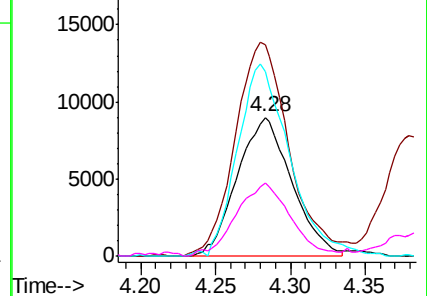


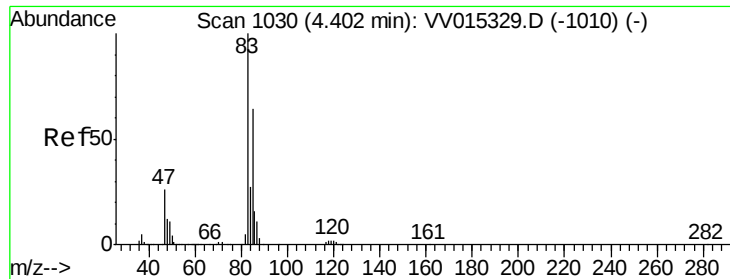
Abundance Ion 128.00 (127.70 to 128.70): VV015328.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV015328.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV015328.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV015328.D (-898) (-)

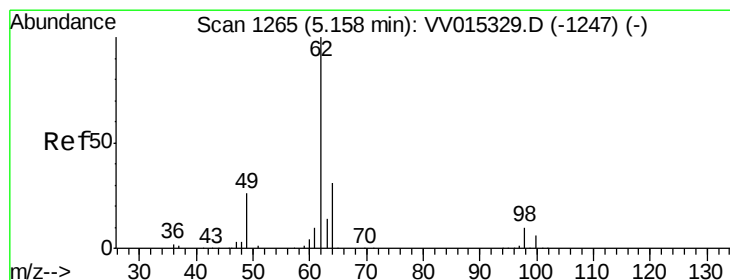
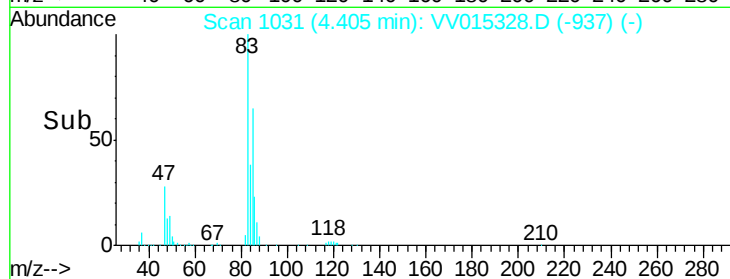
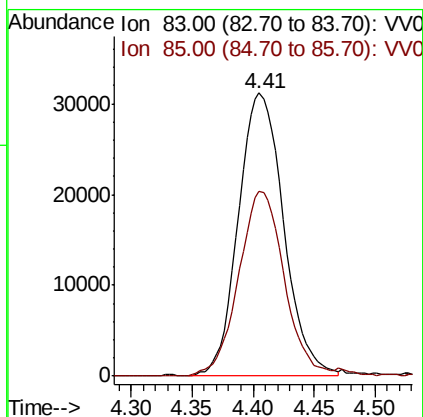
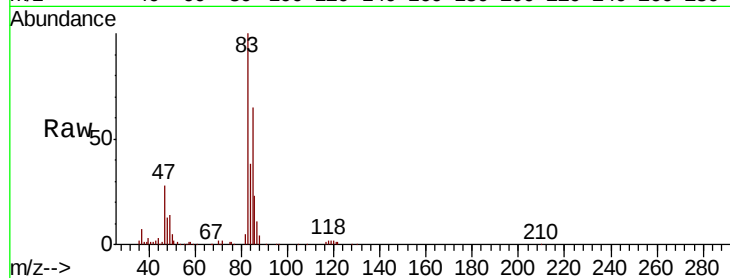




#25
Chloroform
Concen: 10.808 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

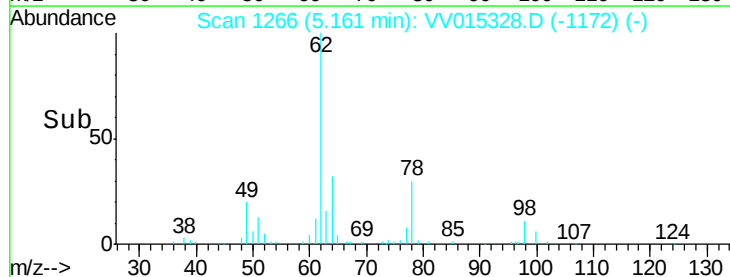
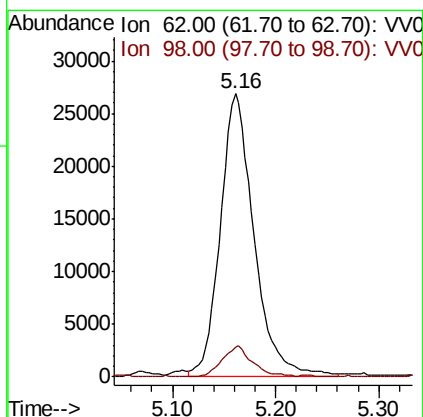
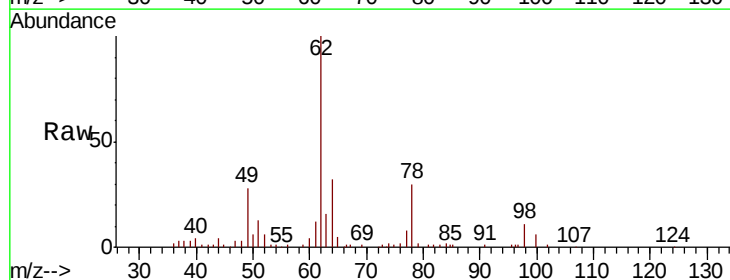
Instrument :
MSVOA_V
ClientSampleId :

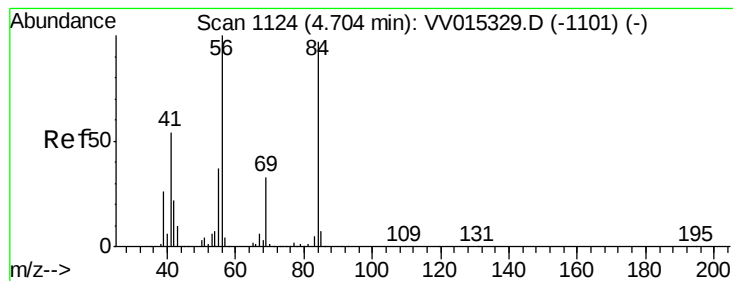
Tot Ion: 83 Resp: 80224
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 10.906 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

Tgt Ion: 62 Resp: 60973
Ion Ratio Lower Upper
62 100
98 10.8 7.9 11.9





#29

Cyclohexane

Concen: 10.775 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :
MSVOA_V
ClientSampleId :

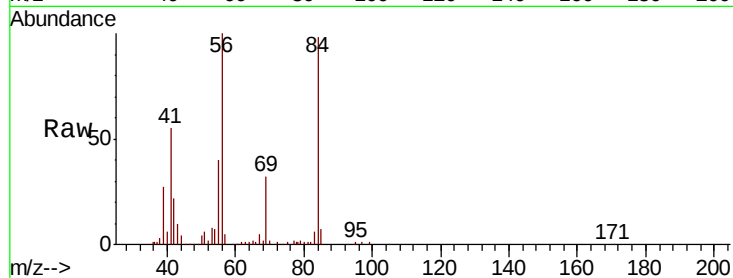
Tot Ion: 56 Resp: 66607

Ion Ratio Lower Upper

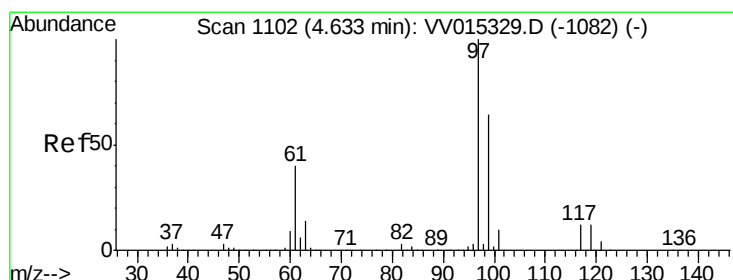
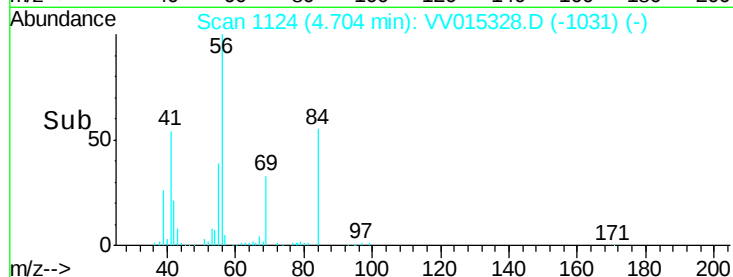
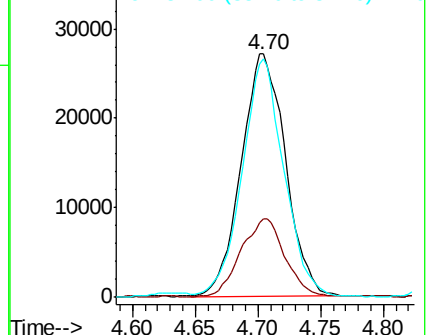
56 100

69 32.3 25.5 38.3

84 93.3 76.3 114.5



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 10.868 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

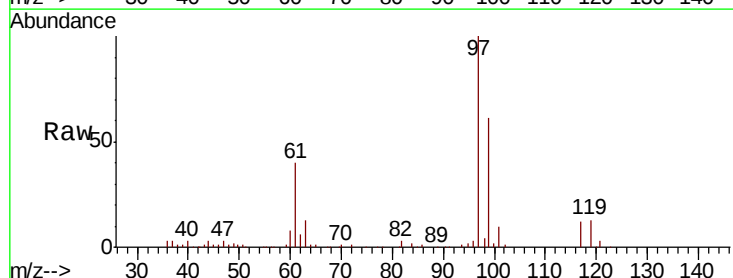
Tgt Ion: 97 Resp: 72561

Ion Ratio Lower Upper

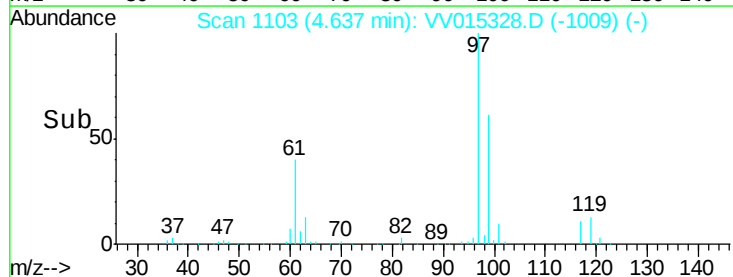
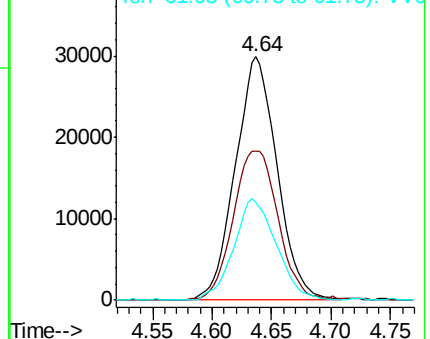
97 100

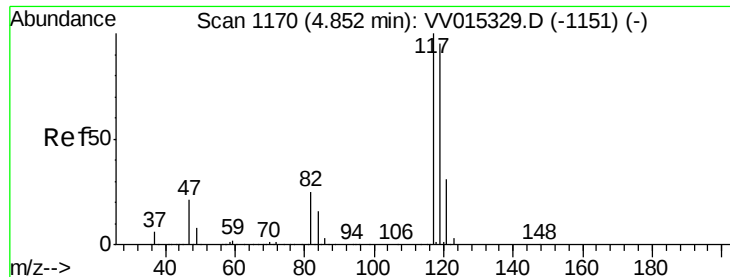
99 66.0 51.6 77.4

61 42.4 33.4 50.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 10.817 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

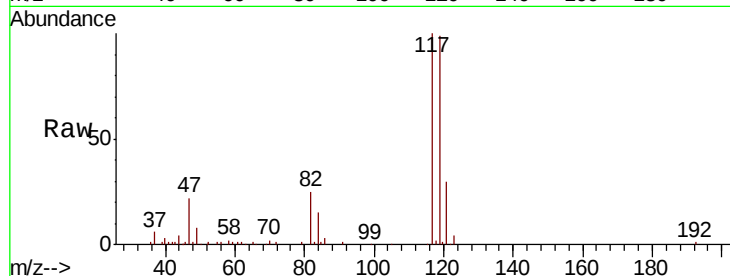
ClientSampleId :

Tot Ion:117 Resp: 61746

Ion Ratio Lower Upper

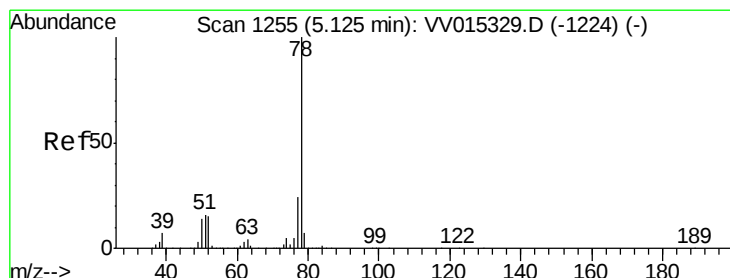
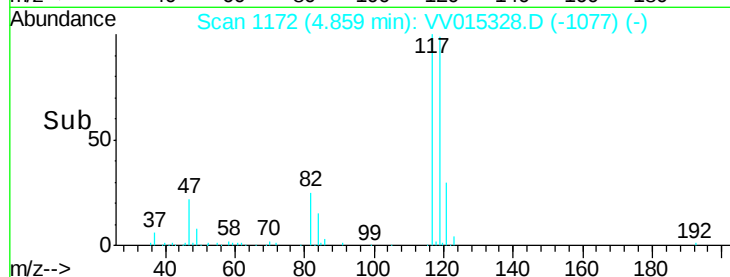
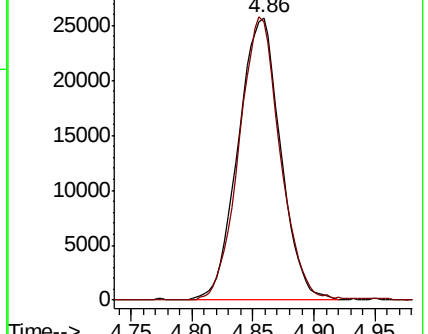
117 100

119 96.5 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 11.001 ug/L

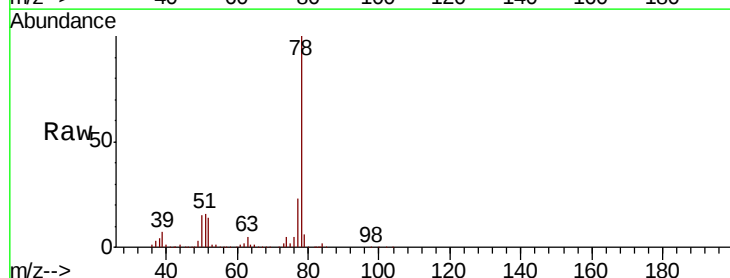
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

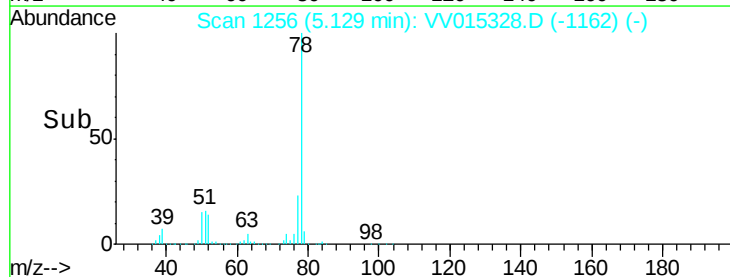
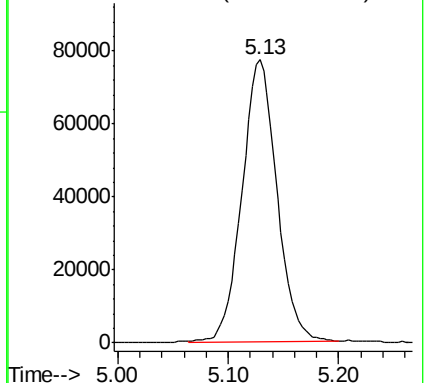
Lab File: VV015328.D

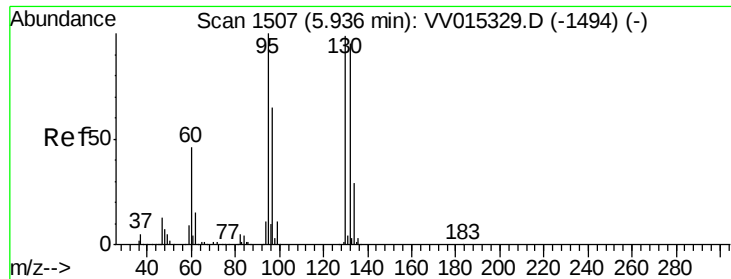
Acq: 01 Apr 2020 11:09

Tgt Ion: 78 Resp: 169181



Abundance Ion 78.00 (77.70 to 78.70): VV0

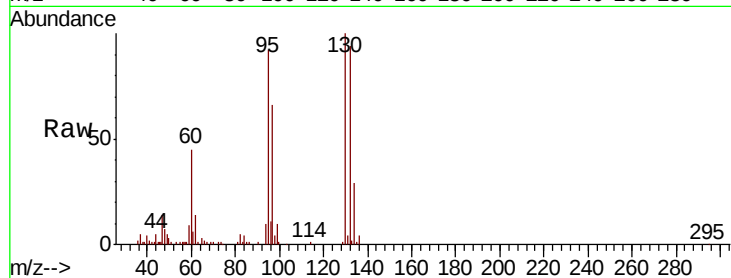




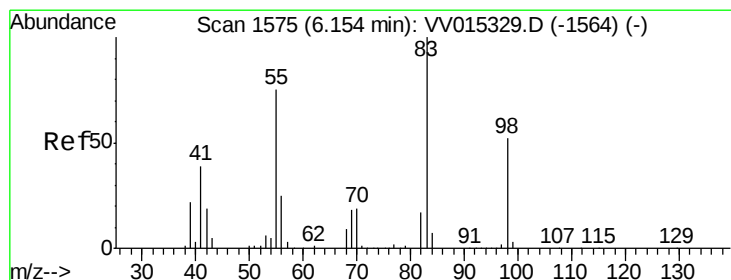
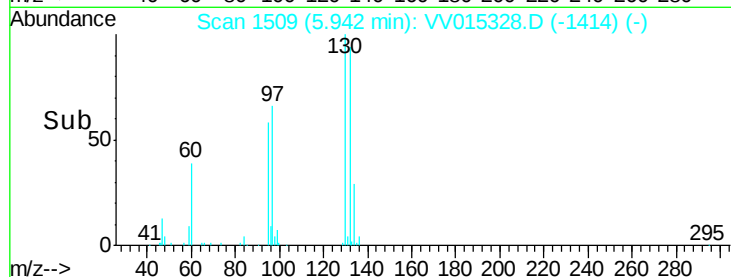
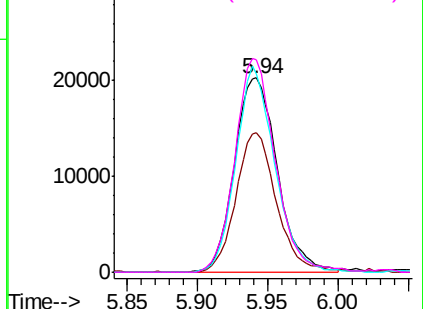
#34
 Trichloroethene
 Concen: 10.658 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015328.D
 Acq: 01 Apr 2020 11:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 43398
 Ion Ratio Lower Upper
 95 100
 97 71.9 45.4 84.2
 132 102.3 66.8 124.2
 130 109.1 69.4 128.8

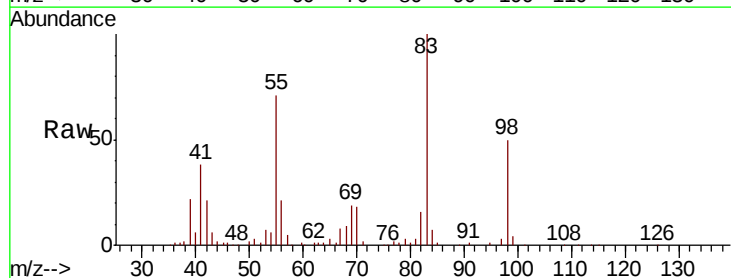


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

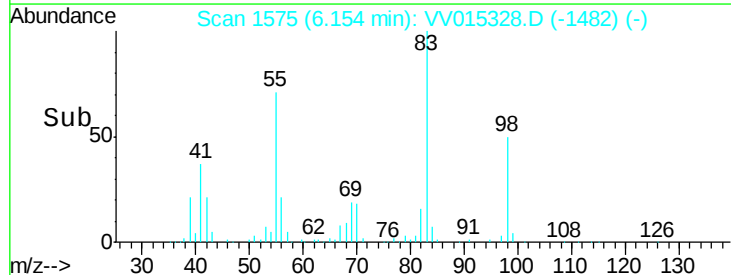
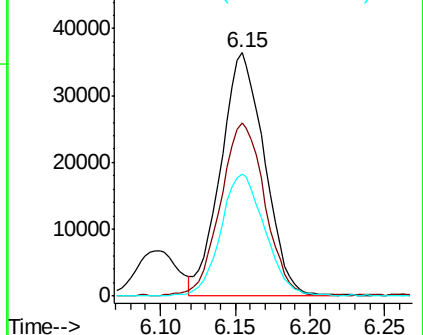


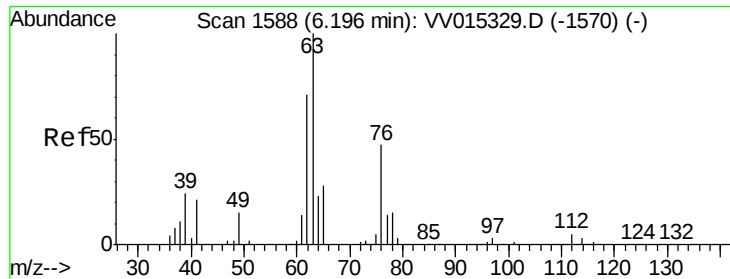
#35
 Methylcyclohexane
 Concen: 11.068 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015328.D
 Acq: 01 Apr 2020 11:09

Tgt Ion: 83 Resp: 73838
 Ion Ratio Lower Upper
 83 100
 55 71.9 57.9 86.9
 98 50.7 40.0 60.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 10.371 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.01 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

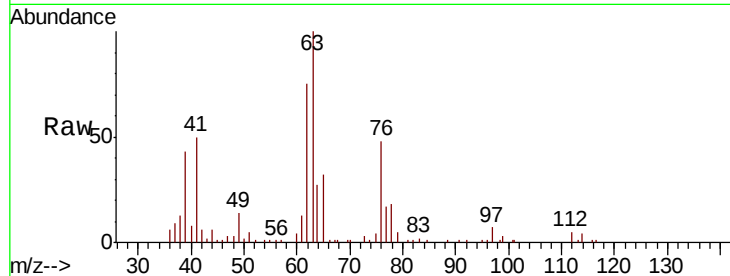
ClientSampled :

Tot Ion: 63 Resp: 39142

Ion Ratio Lower Upper

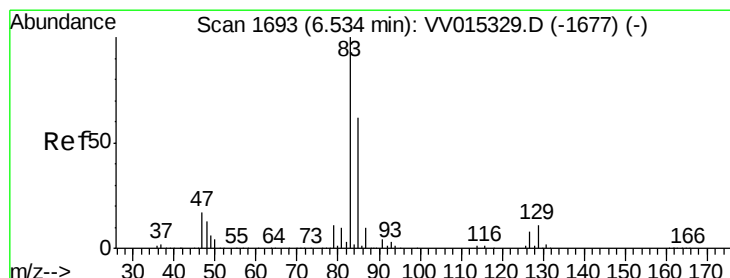
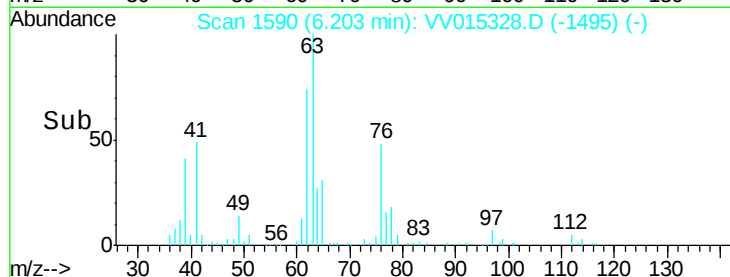
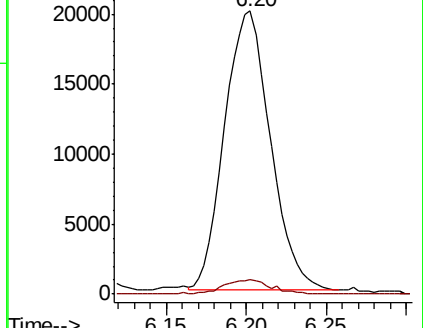
63 100

112 4.5 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV015328.D (-1495) (-)

Ion 112.00 (111.70 to 112.70): VV015328.D (-1495) (-)



#38

Bromodichloromethane

Concen: 10.668 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

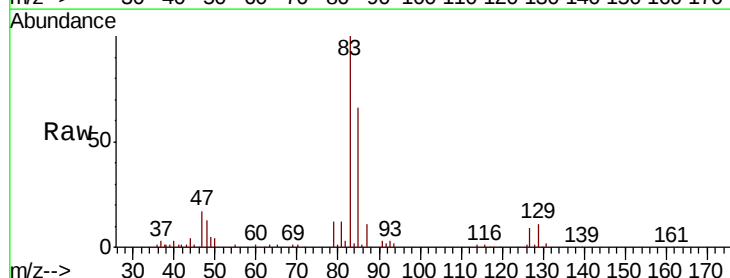
Tgt Ion: 83 Resp: 59028

Ion Ratio Lower Upper

83 100

85 65.9 43.5 80.9

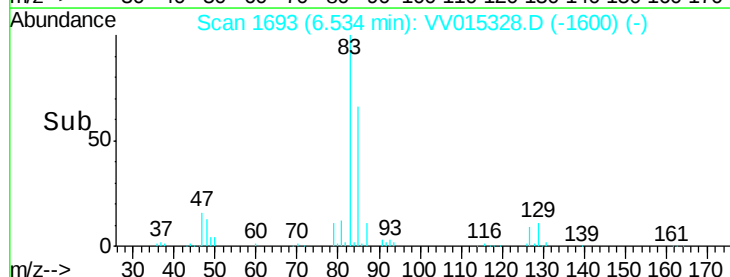
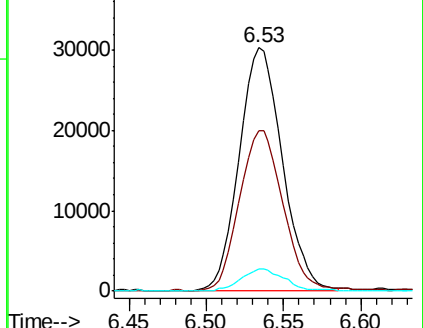
127 9.3 6.6 10.0

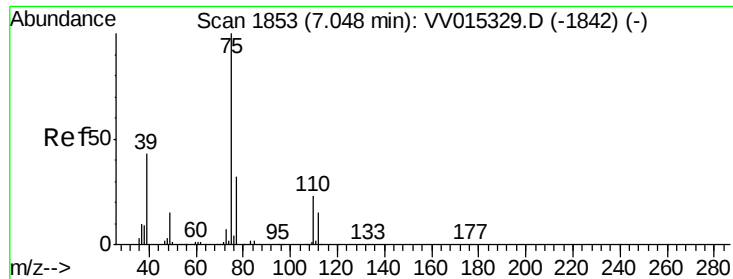


Abundance Ion 83.00 (82.70 to 83.70): VV015328.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV015328.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VV015328.D (-1600) (-)



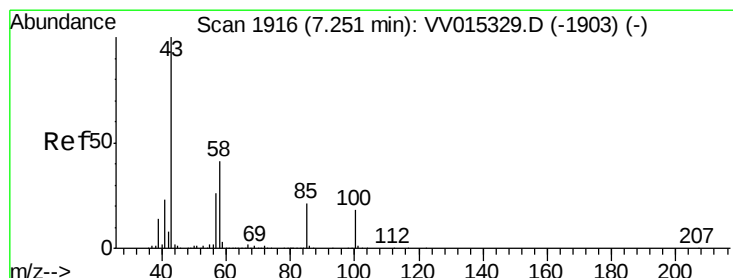
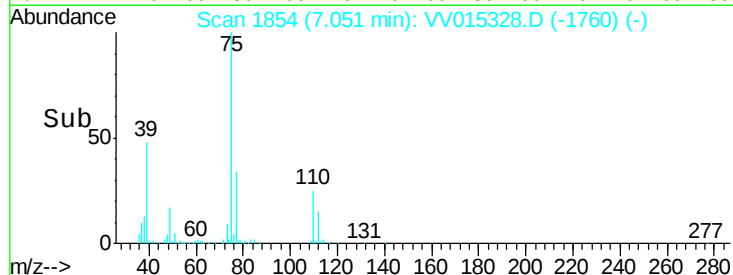
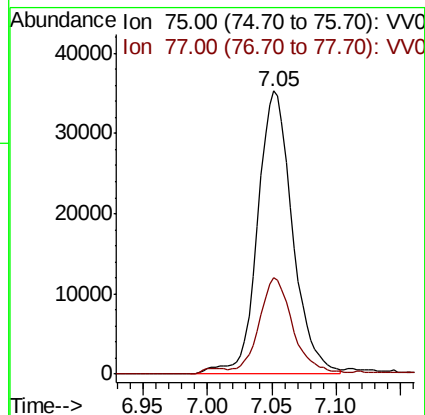
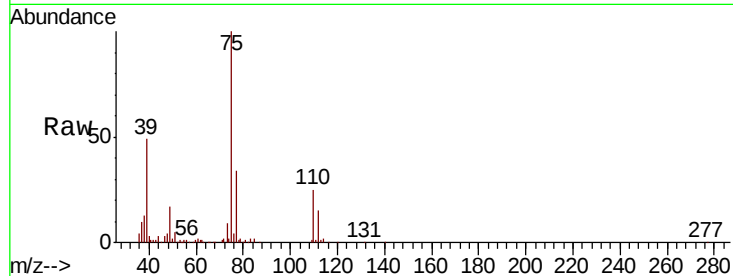


#39

cis-1,3-Dichloropropene
 Concen: 10.551 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015328.D
 Acq: 01 Apr 2020 11:09

Instrument :
 MSVOA_V
 ClientSampled :

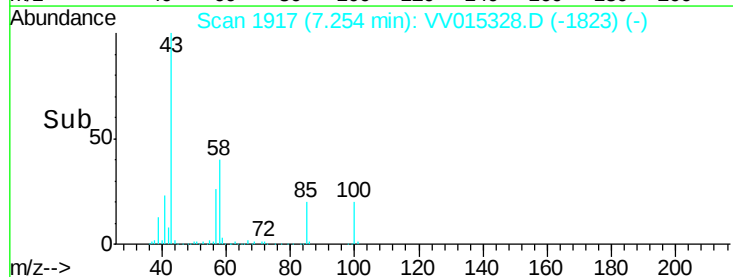
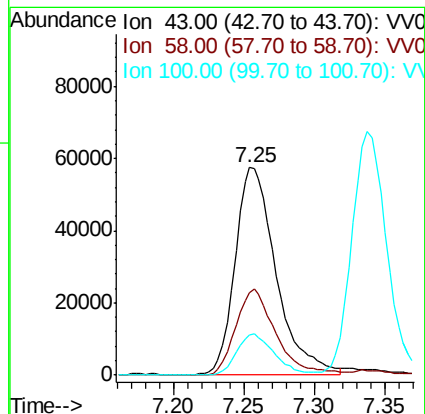
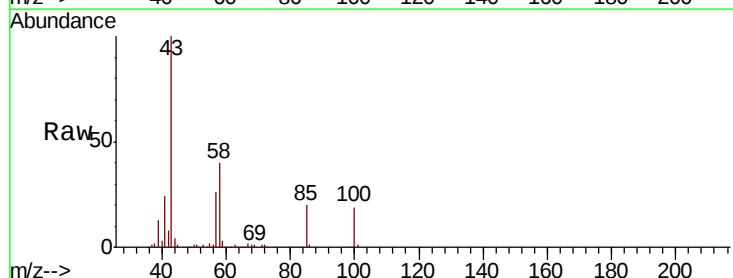
Tot Ion: 75 Resp: 66925
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.5 41.9

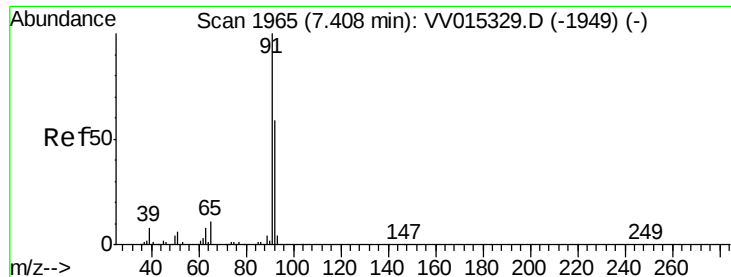


#40

4-Methyl-2-pentanone
 Concen: 21.885 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015328.D
 Acq: 01 Apr 2020 11:09

Tgt Ion: 43 Resp: 116124
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.3 49.9
 100 18.4 14.6 22.0





#42

Toluene

Concen: 10.677 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

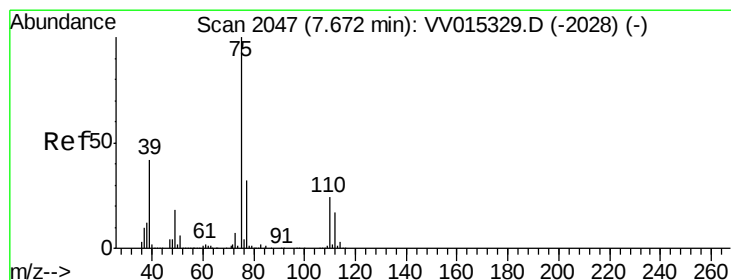
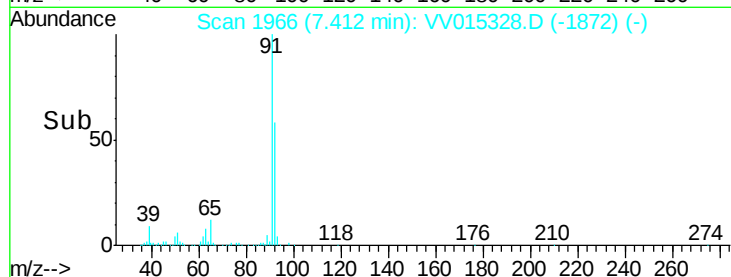
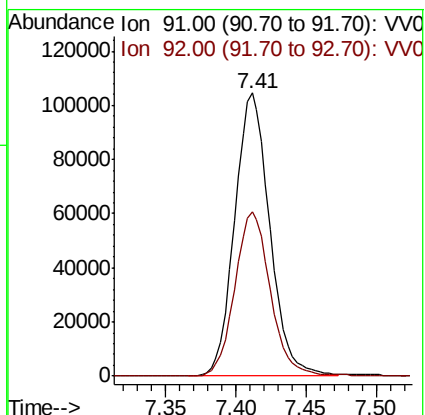
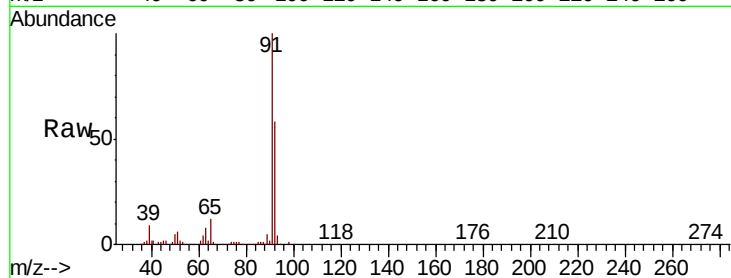
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 182474

Ion Ratio Lower Upper

91 100

92 57.9 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 10.501 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015328.D

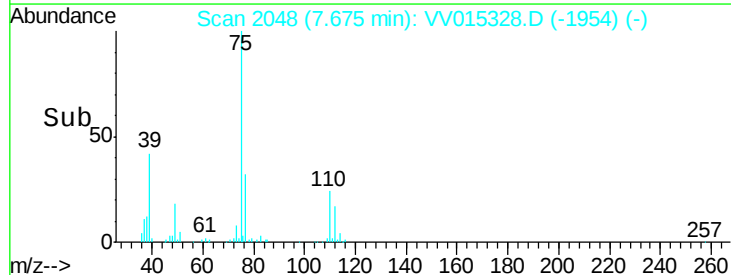
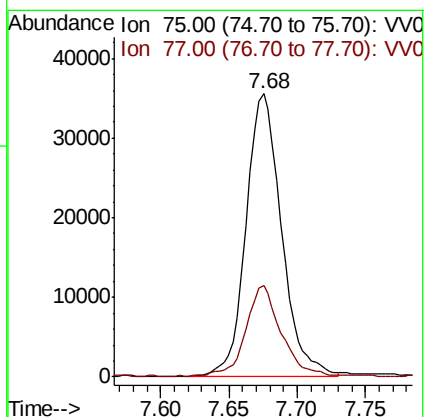
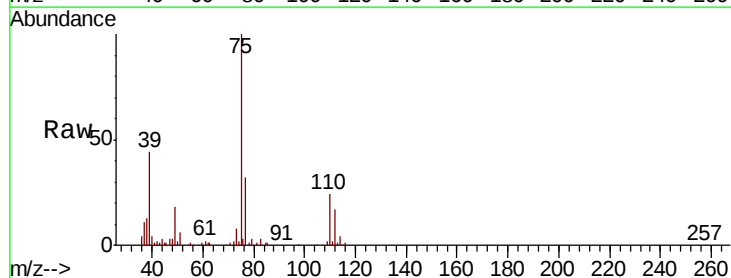
Acq: 01 Apr 2020 11:09

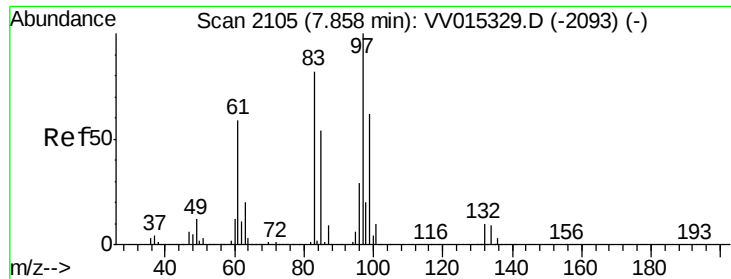
Tgt Ion: 75 Resp: 64720

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7

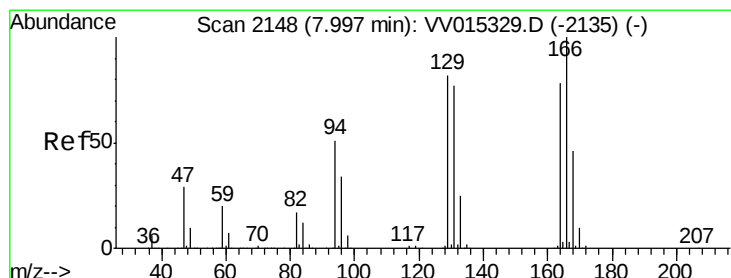
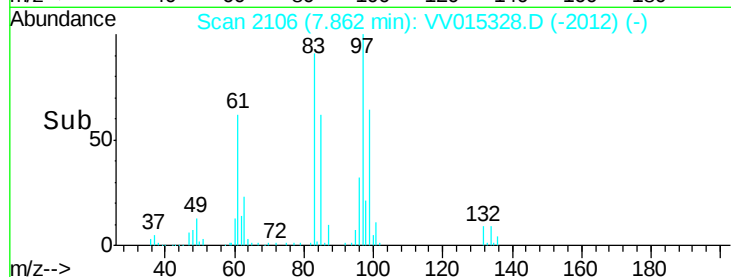
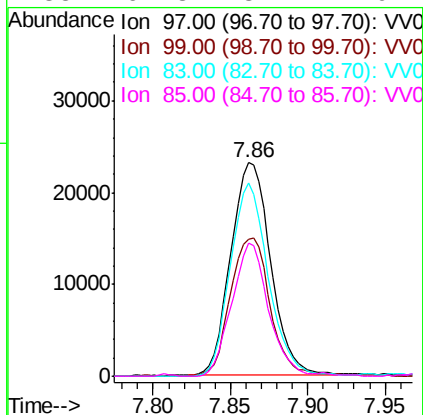
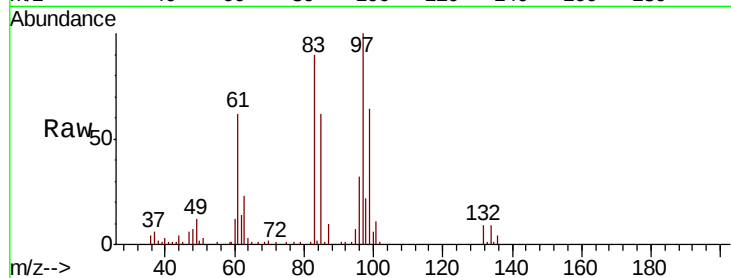




#45
1,1,2-Trichloroethane
Concen: 10.401 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

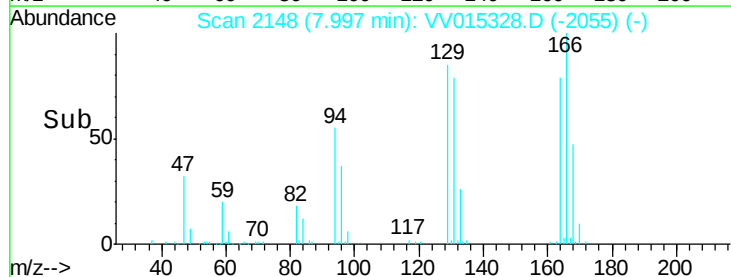
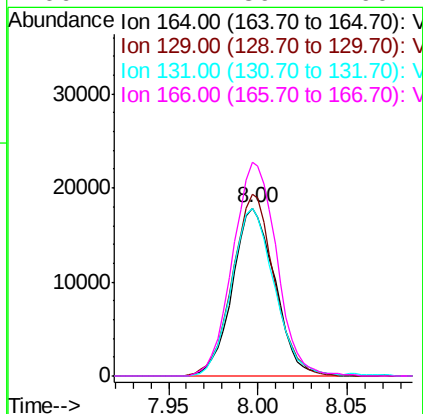
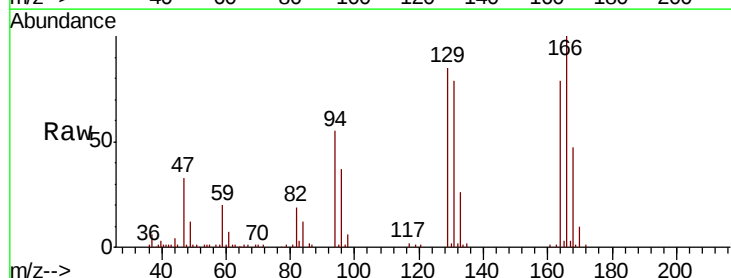
Instrument :
MSVOA_V
ClientSampleId :

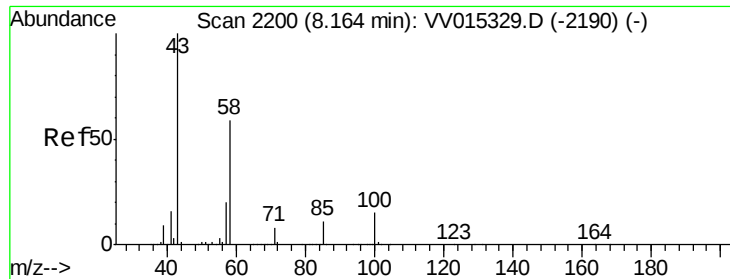
Tot Ion: 97 Resp: 41396
Ion Ratio Lower Upper
97 100
99 64.3 43.5 80.7
83 90.3 57.3 106.5
85 62.3 37.7 70.1



#46
Tetrachloroethene
Concen: 10.161 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

Tgt Ion: 164 Resp: 29663
Ion Ratio Lower Upper
164 100
129 108.5 73.8 137.0
131 100.3 69.4 129.0
166 127.2 89.7 166.7

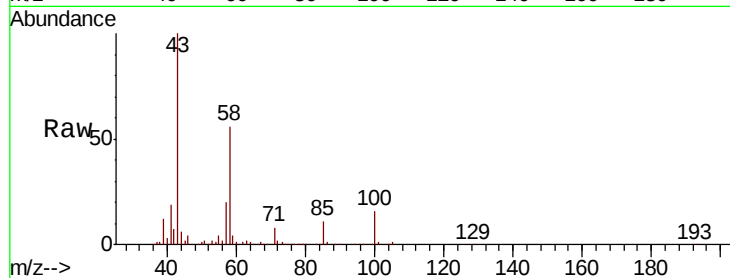




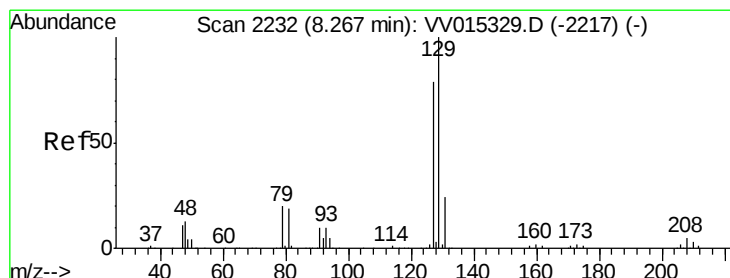
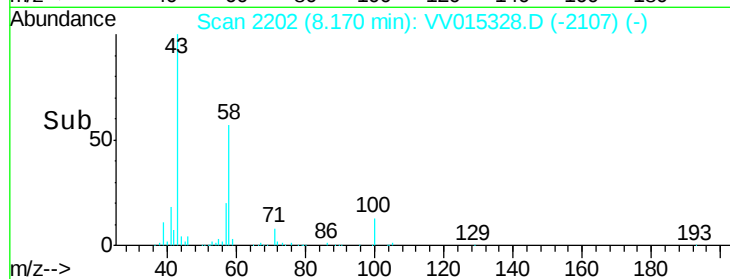
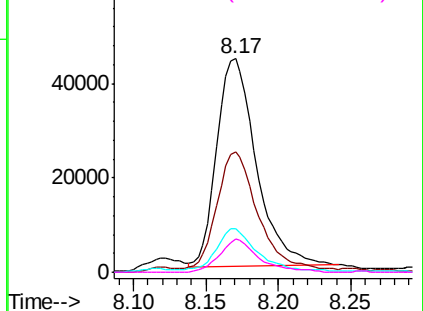
#48
2-Hexanone
Concen: 20.836 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 83717
Ion Ratio Lower Upper
43 100
58 61.2 47.4 71.2
57 19.1 16.7 25.1
100 15.4 11.5 17.3

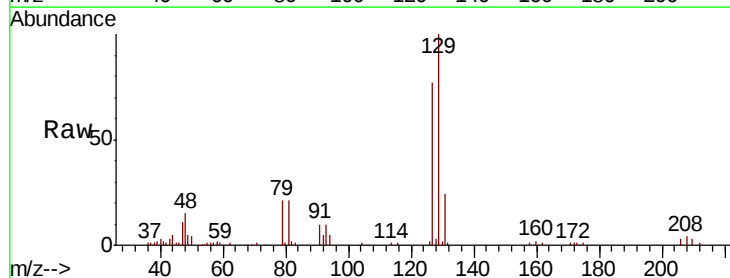


Abundance Ion 43.00 (42.70 to 43.70): VV015328.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015328.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015328.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015328.D (-2107) (-)

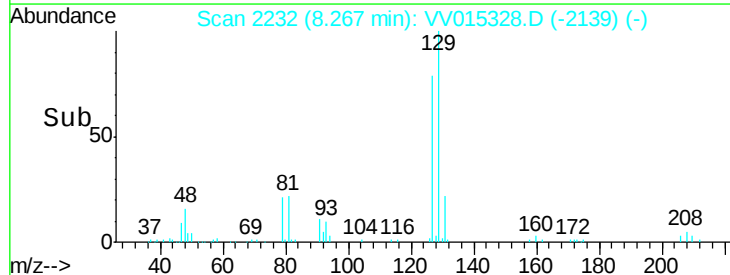
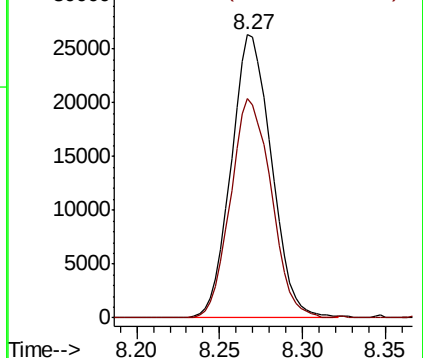


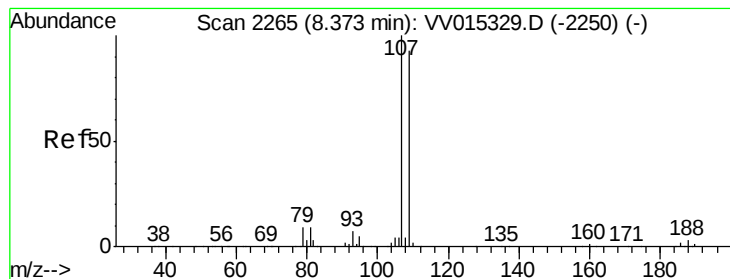
#49
Dibromochloromethane
Concen: 10.242 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

Tgt Ion: 129 Resp: 44644
Ion Ratio Lower Upper
129 100
127 77.5 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV015328.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015328.D (-2139) (-)





#50

1,2-Dibromoethane

Concen: 10.580 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

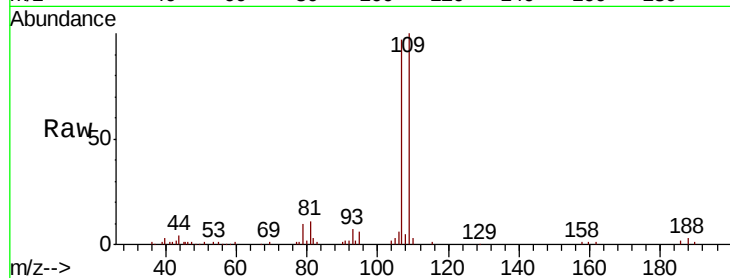
Tot Ion:107 Resp: 44951

Ion Ratio Lower Upper

107 100

109 102.6 65.0 120.8

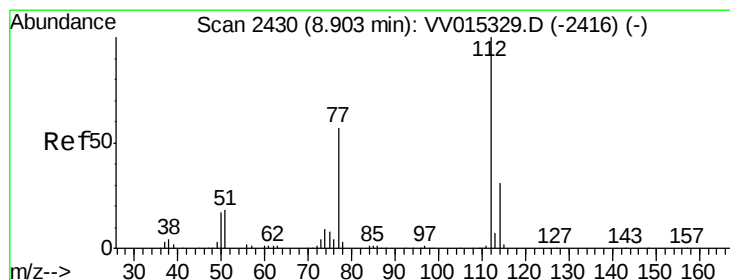
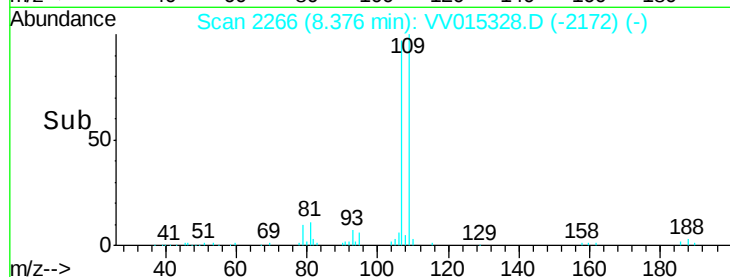
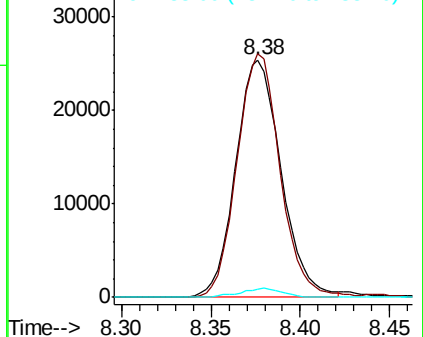
188 3.4 2.4 3.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 10.533 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

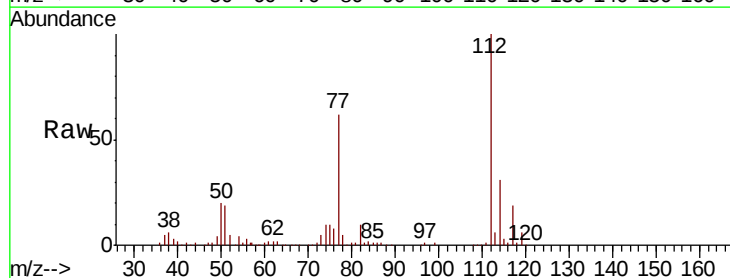
Tgt Ion:112 Resp: 117990

Ion Ratio Lower Upper

112 100

114 30.8 21.8 40.4

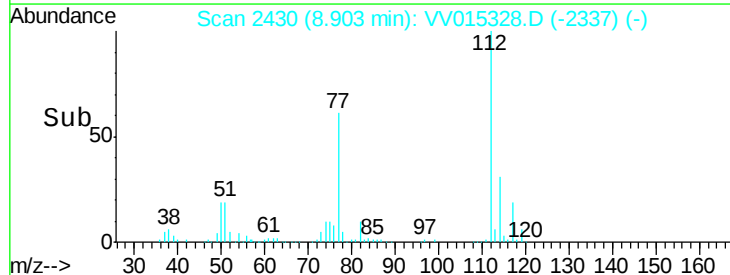
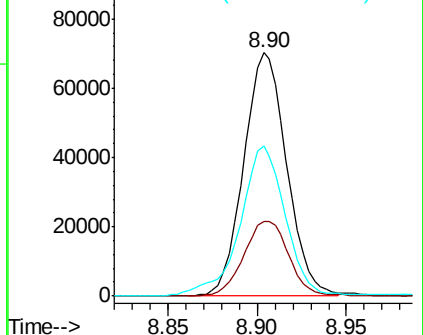
77 61.6 46.2 69.2

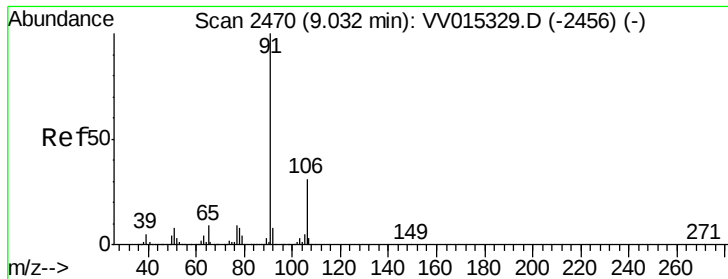


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 10.735 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

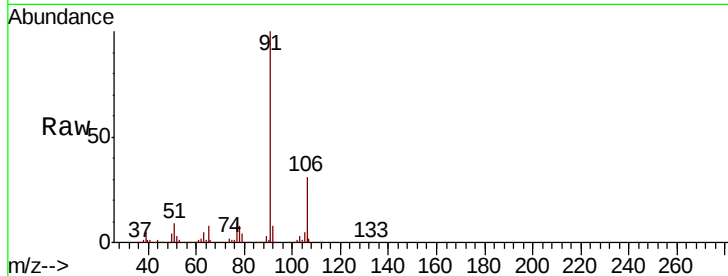
ClientSampled :

Tot Ion: 91 Resp: 205940

Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV015328.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV015328.D (-2377) (-)

9.04

150000

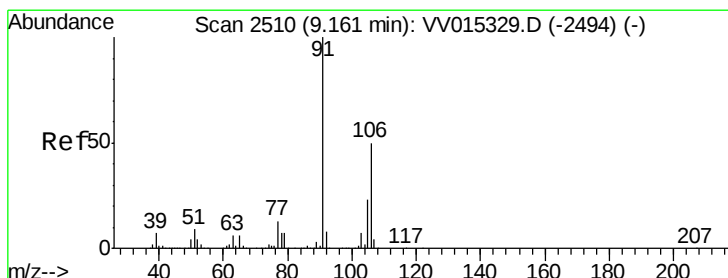
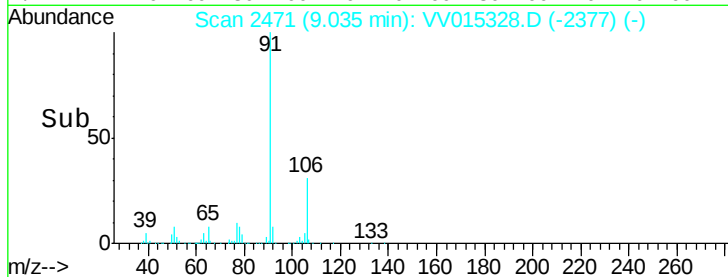
100000

50000

0

Time-->

8.95 9.00 9.05 9.10



#53

m,p-Xylene

Concen: 10.449 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015328.D

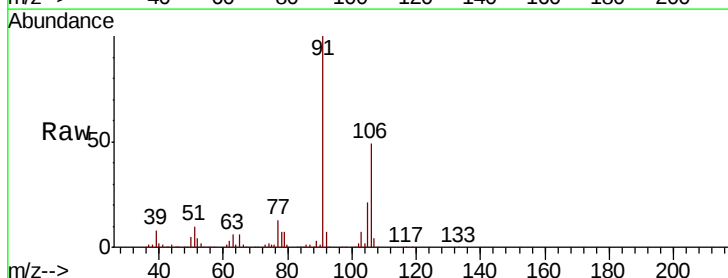
Acq: 01 Apr 2020 11:09

Tgt Ion: 106 Resp: 77183

Ion Ratio Lower Upper

106 100

91 204.0 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): VV015328.D (-2417) (-)

Ion 91.00 (90.70 to 91.70): VV015328.D (-2417) (-)

9.16

100000

80000

60000

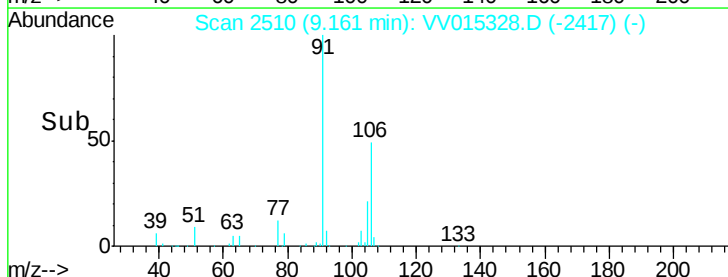
40000

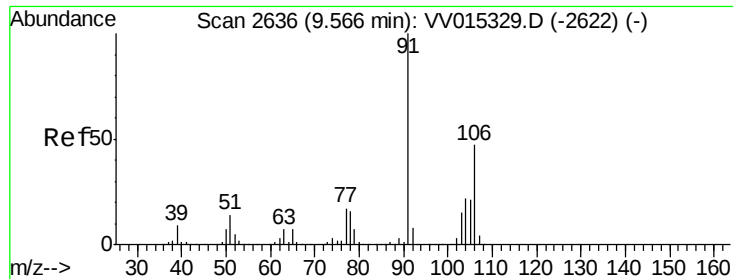
20000

0

Time-->

9.10 9.15 9.20 9.25

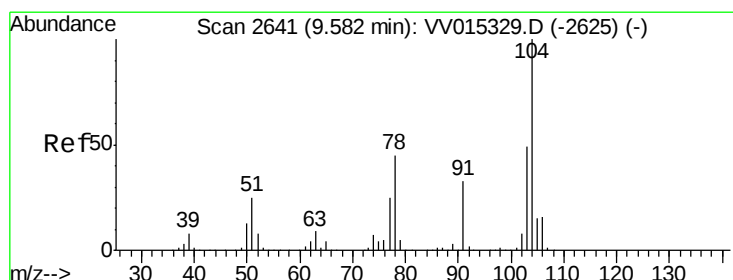
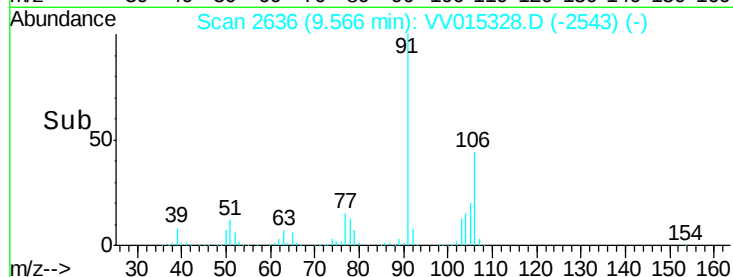
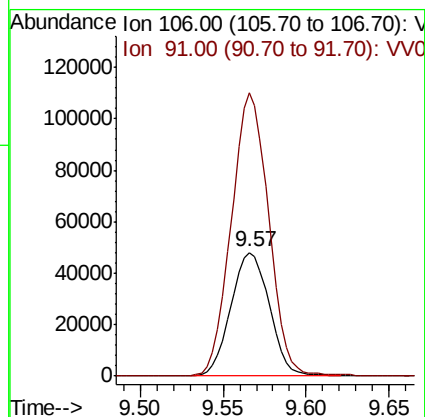
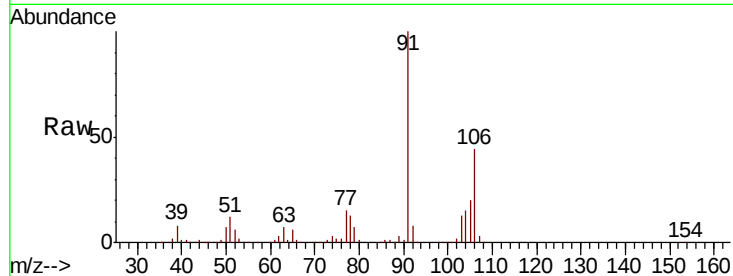




#54
o-xylene
Concen: 10.471 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

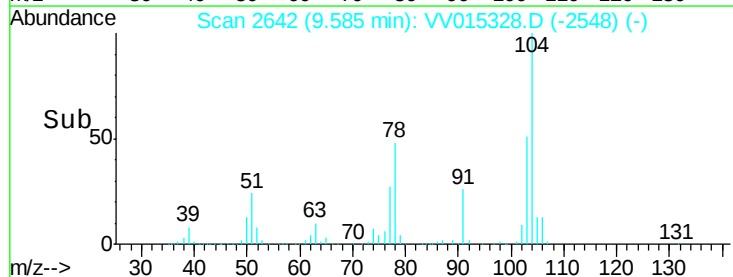
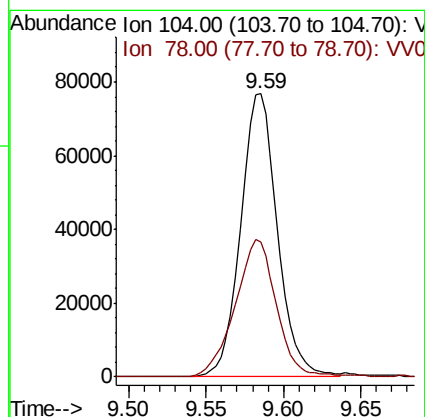
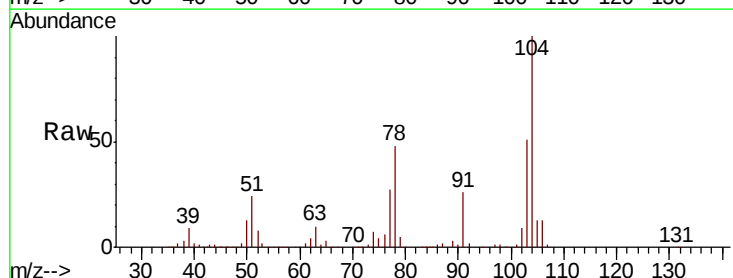
Instrument :
MSVOA_V
ClientSampleId :

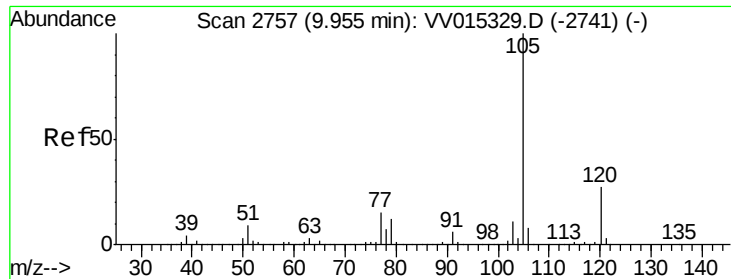
Tot Ion:106 Resp: 77479
Ion Ratio Lower Upper
106 100
91 228.3 148.0 274.8



#55
Styrene
Concen: 10.301 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV015328.D
Acq: 01 Apr 2020 11:09

Tgt Ion:104 Resp: 126747
Ion Ratio Lower Upper
104 100
78 47.7 31.5 58.5





#56

Isopropylbenzene

Concen: 10.658 ug/L

RT: 9.95 min Scan# 2757

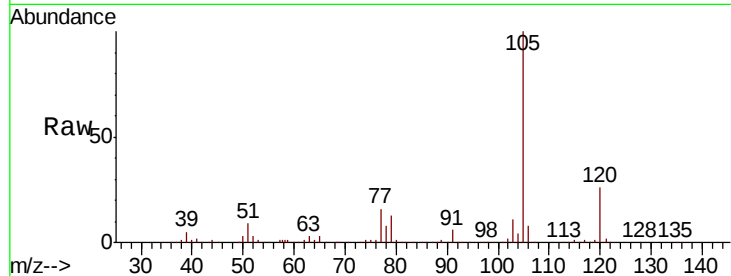
Delta R.T. 0.00 min

Lab File: VV015328.D

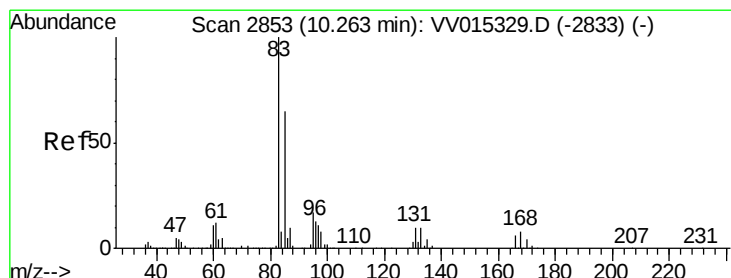
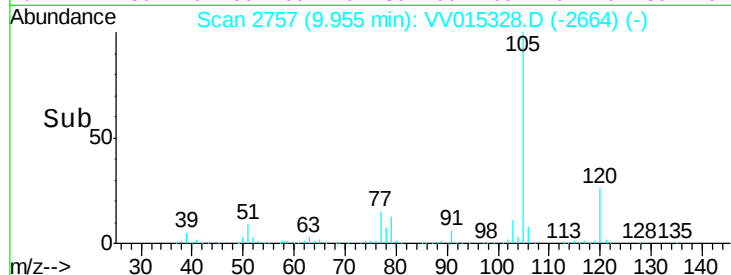
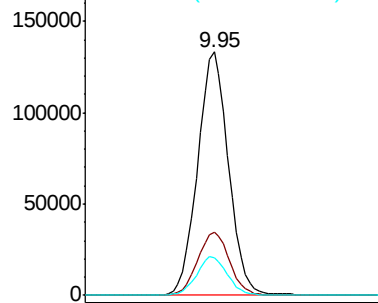
Acq: 01 Apr 2020 11:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	204270
Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.4	32.0
77	15.8	12.4	18.6



Abundance Ion 105.00 (104.70 to 105.70): VV015328.D (-2664) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 10.833 ug/L

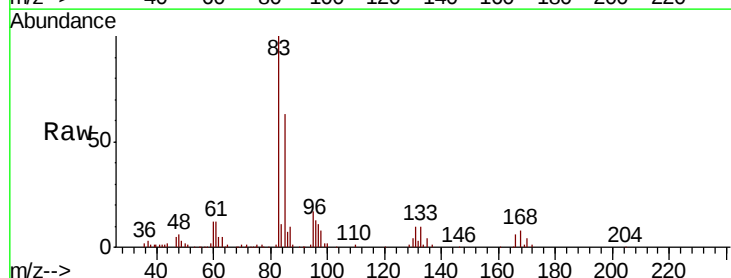
RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

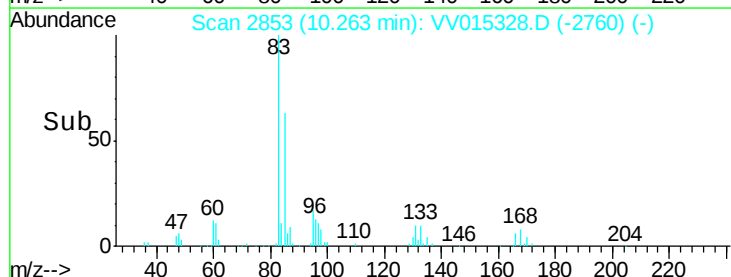
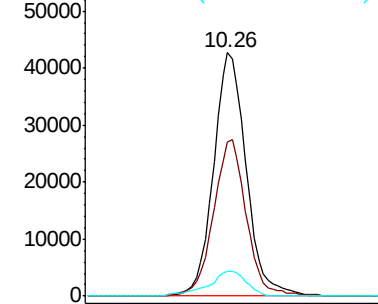
Lab File: VV015328.D

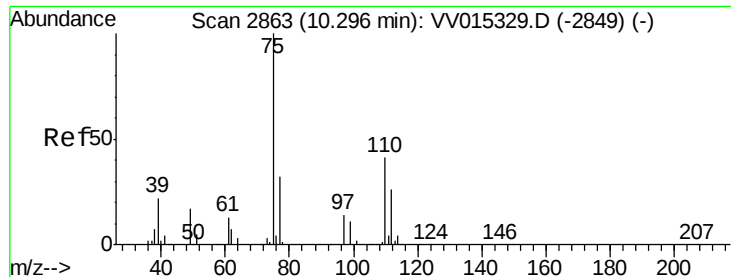
Acq: 01 Apr 2020 11:09

Tgt Ion:	83	Resp:	69223
Ion	Ratio	Lower	Upper
83	100		
85	63.1	45.4	84.4
131	10.1	8.0	12.0



Abundance Ion 83.00 (82.70 to 83.70): VV015328.D (-2760) (-)

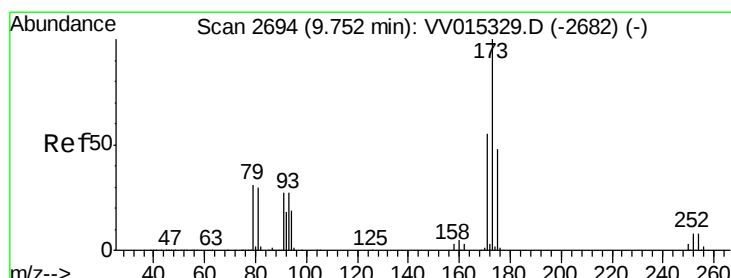
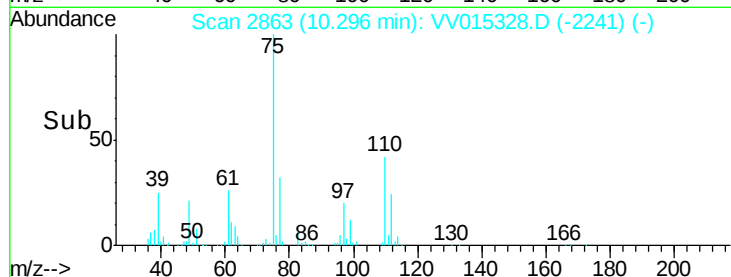
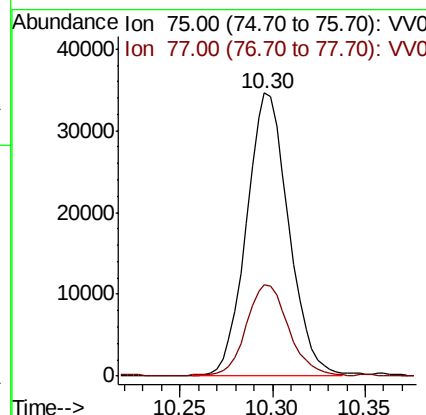
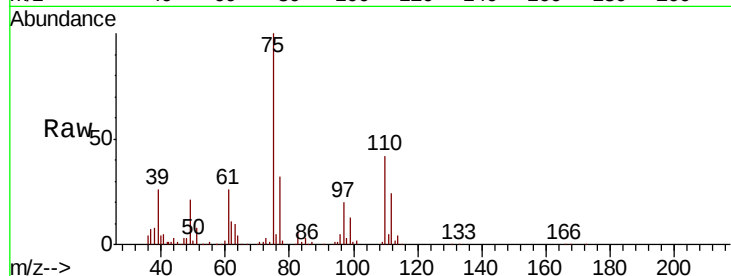




#59
 1,2,3-Trichloropropane
 Concen: 10.778 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015328.D
 Acq: 01 Apr 2020 11:09

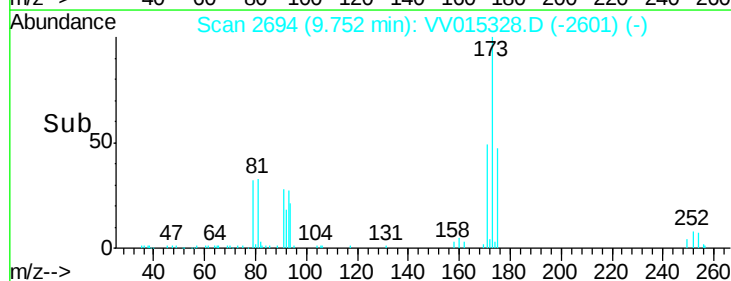
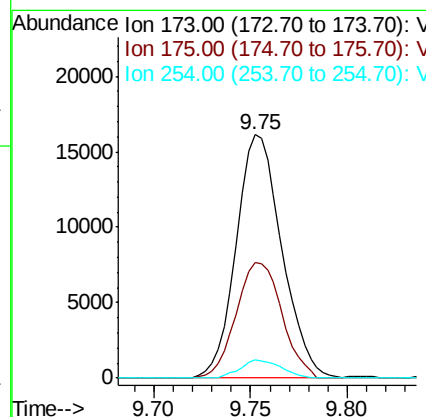
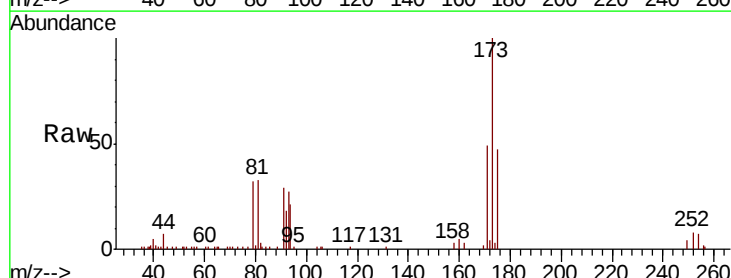
Instrument :
 MSVOA_V
 ClientSampleId :

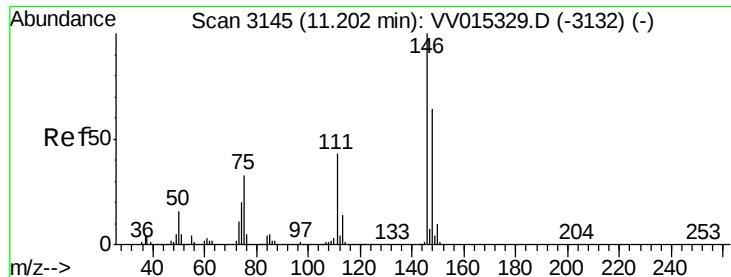
Tot Ion: 75 Resp: 54931
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.0



#61
 Bromoform
 Concen: 10.006 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015328.D
 Acq: 01 Apr 2020 11:09

Tgt Ion: 173 Resp: 26496
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.0 58.6
 254 6.6 5.9 8.9





#62

1,3-Dichlorobenzene

Concen: 10.636 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

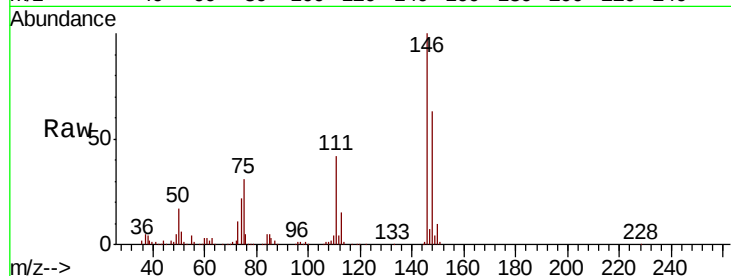
Tot Ion:146 Resp: 84888

Ion Ratio Lower Upper

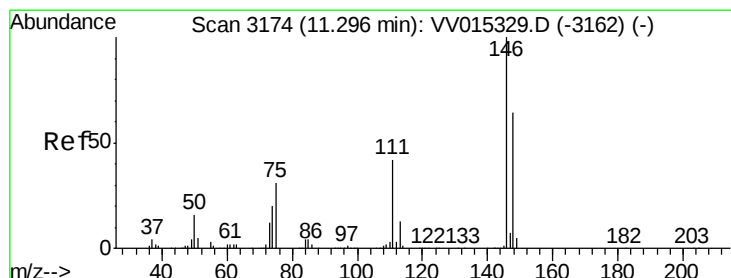
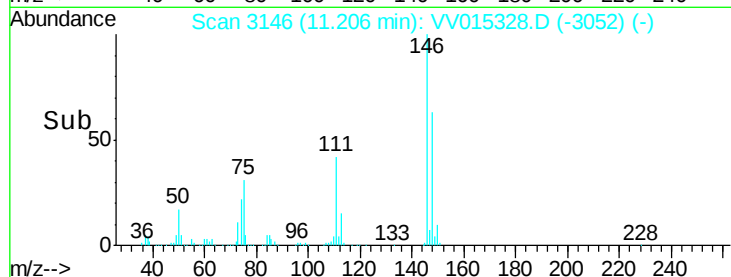
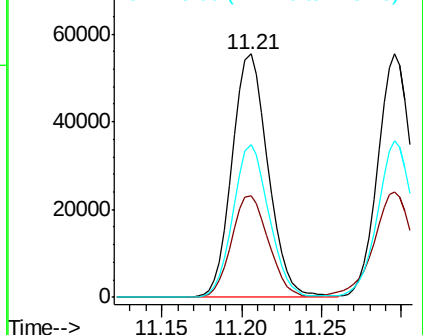
146 100

111 41.5 30.2 56.2

148 62.8 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.530 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

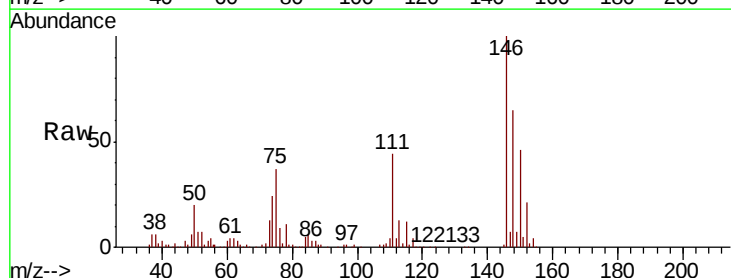
Tgt Ion:146 Resp: 85233

Ion Ratio Lower Upper

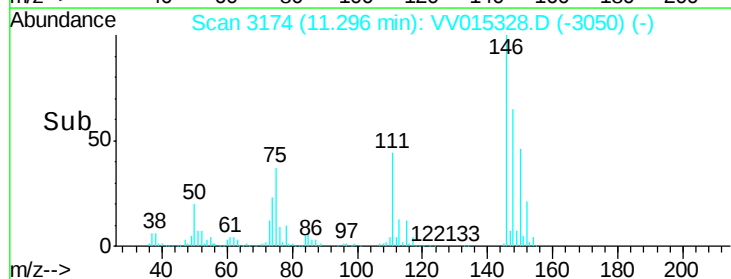
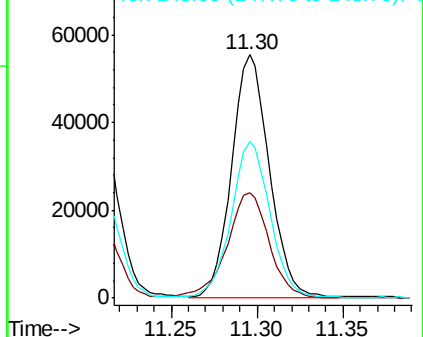
146 100

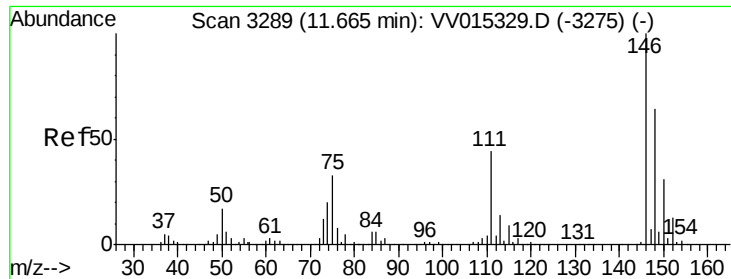
111 43.5 29.3 54.5

148 64.5 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.998 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

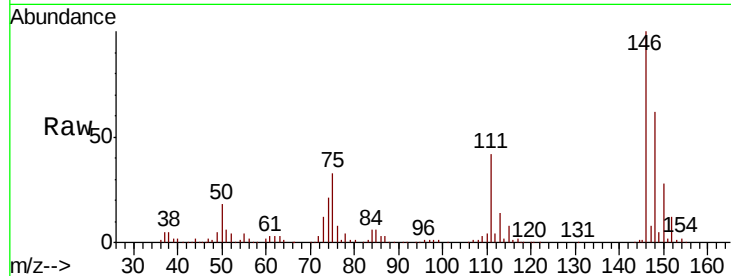
Tot Ion:146 Resp: 89522

Ion Ratio Lower Upper

146 100

111 42.2 35.1 52.7

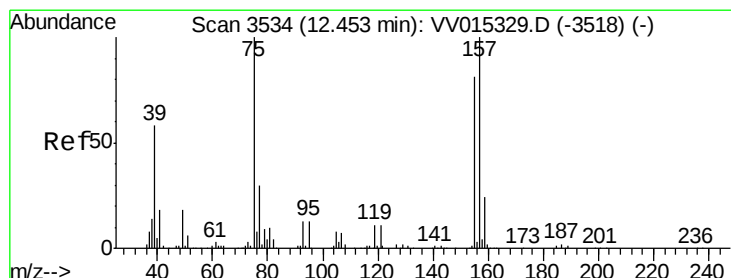
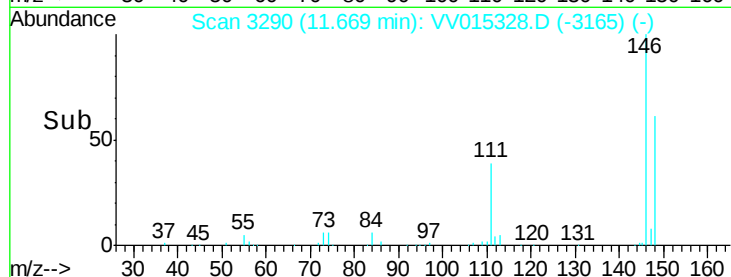
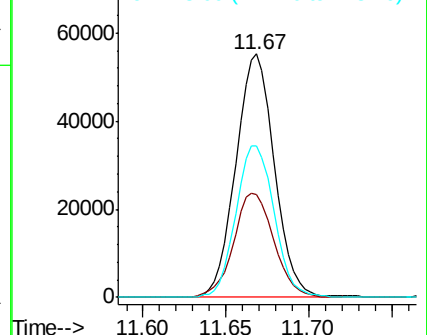
148 62.3 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.970 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

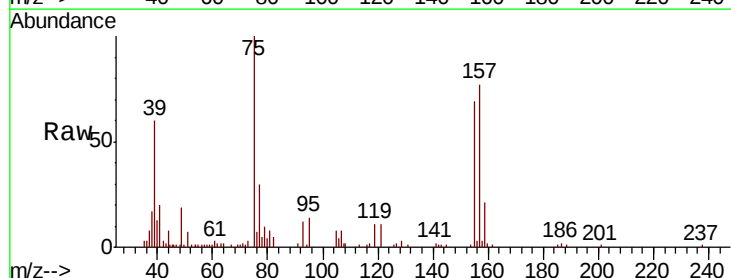
Tgt Ion: 75 Resp: 17633

Ion Ratio Lower Upper

75 100

155 68.7 64.5 96.7

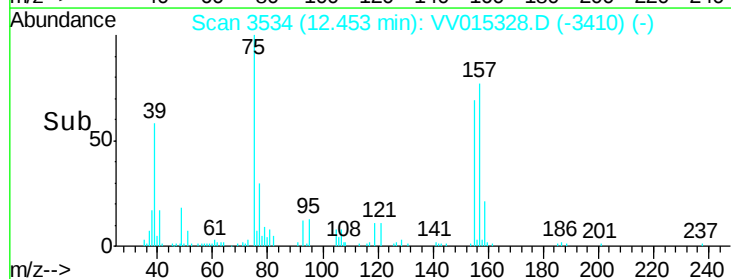
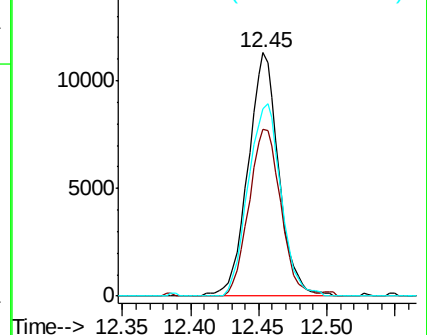
157 77.1 79.8 119.6#

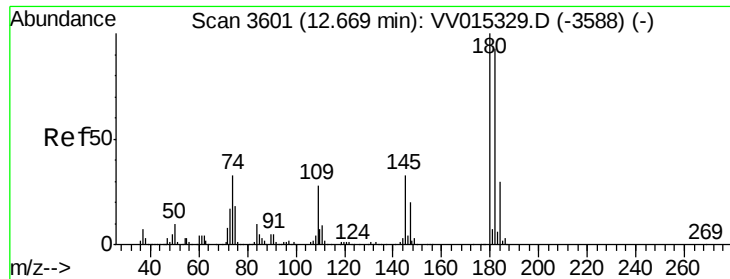


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

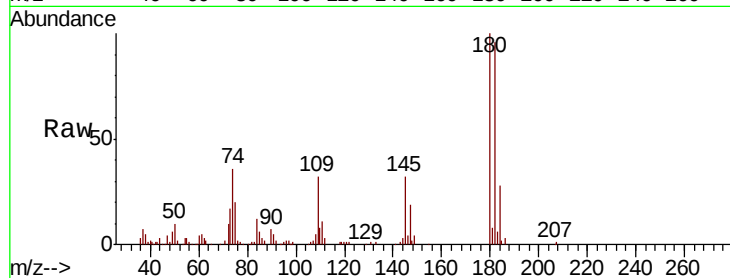




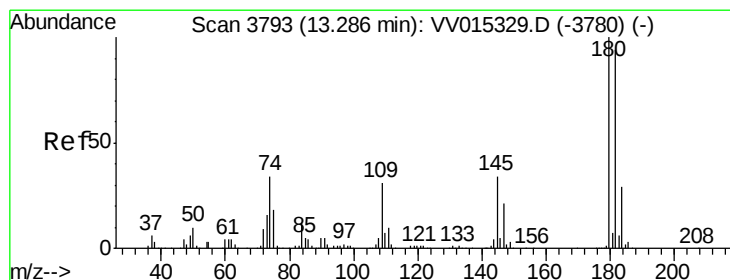
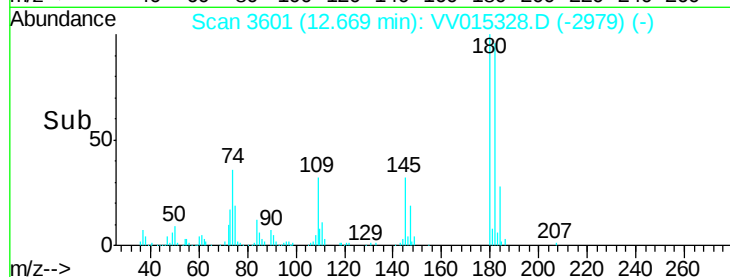
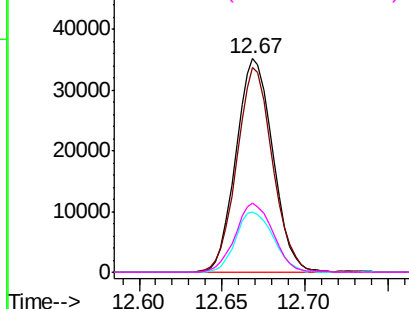
#67
 1,3,5-Trichlorobenzene
 Concen: 10.297 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015328.D
 Acq: 01 Apr 2020 11:09

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 54464
 Ion Ratio Lower Upper
 180 100
 182 93.1 74.7 112.1
 184 28.8 23.7 35.5
 145 33.2 26.8 40.2

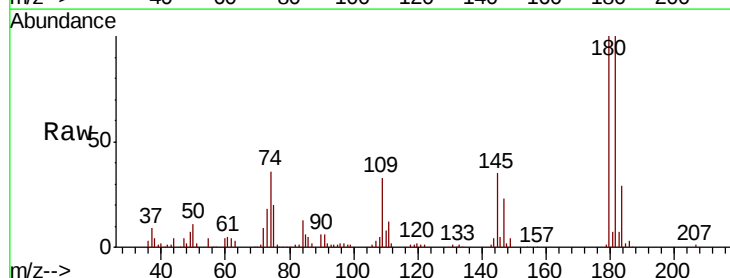


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

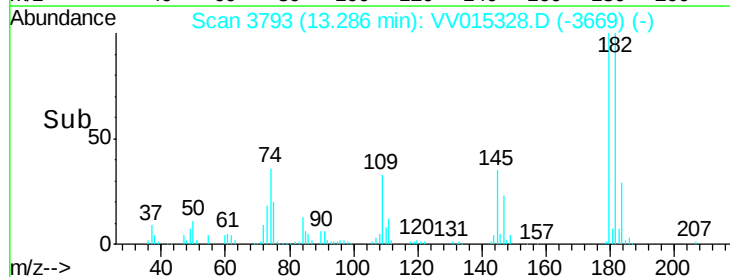
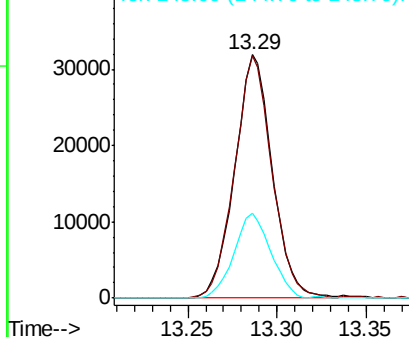


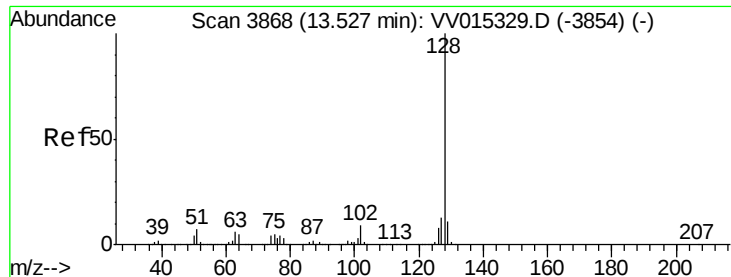
#68
 1,2,4-trichlorobenzene
 Concen: 9.700 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015328.D
 Acq: 01 Apr 2020 11:09

Tgt Ion:180 Resp: 46863
 Ion Ratio Lower Upper
 180 100
 182 99.1 75.8 113.8
 145 34.0 27.7 41.5



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





#69

Naphthalene

Concen: 10.240 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

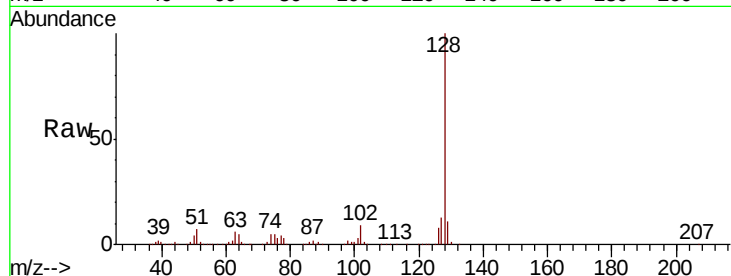
Tot Ion:128 Resp: 189129

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

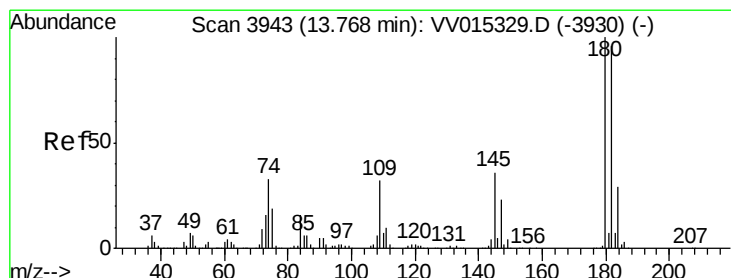
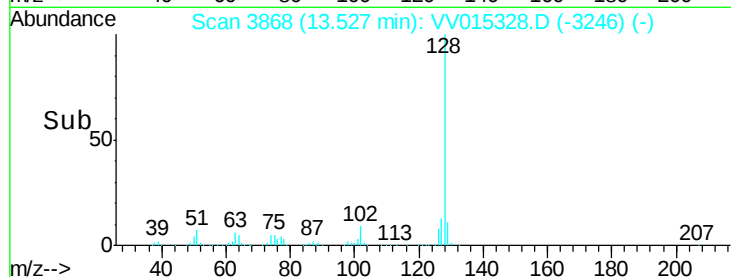
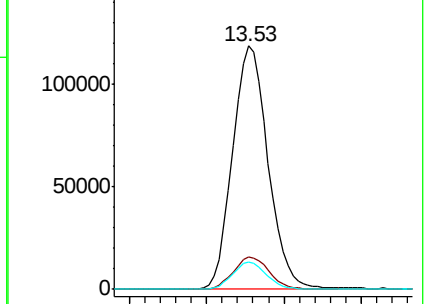
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.194 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015328.D

Acq: 01 Apr 2020 11:09

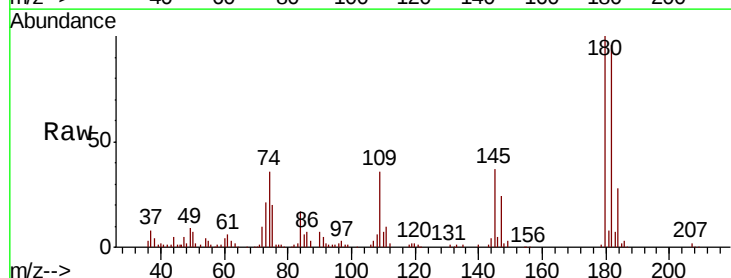
Tgt Ion:180 Resp: 50734

Ion Ratio Lower Upper

180 100

182 92.2 76.1 114.1

145 36.9 28.2 42.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

