

Data File : VV009365.D
Acq On : 26 Feb 2019 12:37
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV86

Quant Time: Feb 27 04:36:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 12:32:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	180083	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176492	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81430	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54365	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	72642	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.64%
10) 1,1-Dichloroethene-d2	2.13	63	131885	22.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.04%
20) 2-Butanone-d5	3.95	46	43838	64.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.44%
24) Chloroform-d	4.40	84	112570	25.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.08%
26) 1,2-Dichloroethane-d4	5.08	65	64968	26.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.56%
29) Benzene-d6	5.09	84	219254	23.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.48%
33) 1,2-Dichloropropane-d6	6.12	67	66052	24.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.08%
37) Toluene-d8	7.36	98	214726	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.44%
38) trans-1,3-Dichloropropene-	7.66	79	33815	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.40%
39) 2-Hexanone-d5	8.14	63	31824	54.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71770	26.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	77947	25.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	62130	27.255 ug/L	96
3) Chloromethane	1.25	50	56856	23.498 ug/L	98
5) Vinyl chloride	1.32	62	64548	24.011 ug/L	99
6) Bromomethane	1.53	94	55139	19.072 ug/L	100
8) Chloroethane	1.60	64	63834	27.848 ug/L	100
9) Trichlorofluoromethane	1.76	101	123279	22.743 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	65661	21.831 ug/L	99
12) 1,1-Dichloroethene	2.14	96	54838	21.205 ug/L	90
13) Acetone	2.21	43	45732	58.603 ug/L	97
14) Carbon disulfide	2.31	76	160052	23.820 ug/L	98
15) Methyl Acetate	2.46	43	30788	29.858 ug/L	96
16) Methylene chloride	2.53	84	54317	22.269 ug/L	100
17) Methyl tert-butyl Ether	2.80	73	144725	25.718 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	55981	24.906 ug/L	93
19) 1,1-Dichloroethane	3.23	63	97010	24.294 ug/L	99
21) 2-Butanone	4.03	43	58652	60.312 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	63572	25.156 ug/L	97

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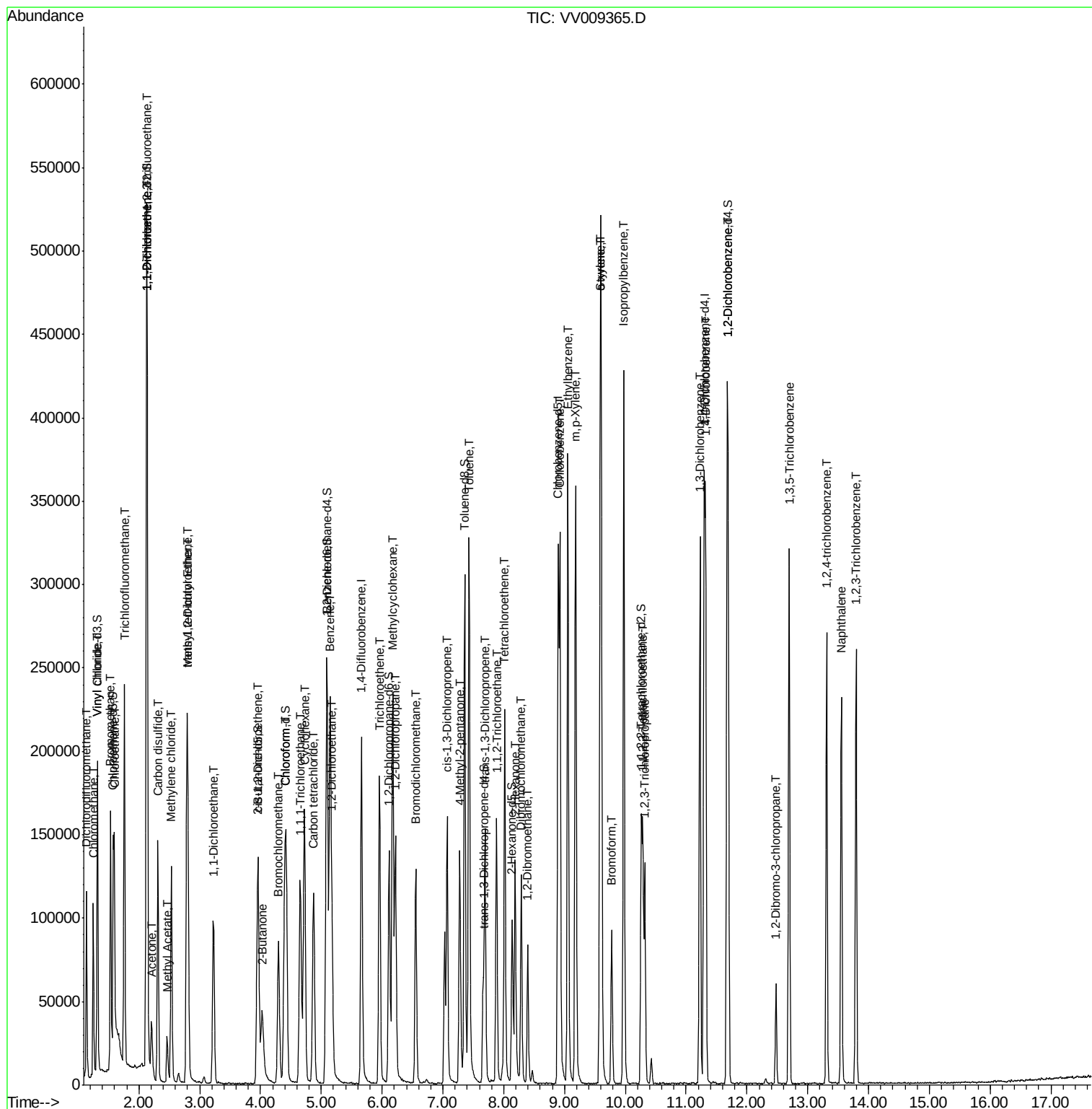
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	29310	25.844	ug/L	92
25) Chloroform	4.42	83	107798	24.807	ug/L	100
27) 1,2-Dichloroethane	5.18	62	75937	25.262	ug/L	97
30) Cyclohexane	4.72	56	92141	22.039	ug/L	96
31) 1,1,1-Trichloroethane	4.65	97	98726	23.553	ug/L	98
32) Carbon tetrachloride	4.87	117	80941	22.641	ug/L	97
34) Benzene	5.14	78	228893	23.261	ug/L	100
35) Trichloroethene	5.96	95	63065	23.152	ug/L	97
36) Methylcyclohexane	6.17	83	103633	21.790	ug/L	98
40) 1,2-Dichloropropane	6.22	63	56650	23.173	ug/L #	97
41) Bromodichloromethane	6.55	83	80631	23.193	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	92124	23.717	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	97455	55.760	ug/L	98
44) Toluene	7.43	91	250494	22.760	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	82818	23.518	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	48972	24.252	ug/L	97
47) Tetrachloroethene	8.02	164	47314	23.451	ug/L	94
49) 2-Hexanone	8.19	43	82067	56.235	ug/L	97
50) Dibromochloromethane	8.29	129	61406	24.311	ug/L	97
51) 1,2-Dibromoethane	8.40	107	51330	25.251	ug/L	97
52) Chlorobenzene	8.92	112	163104	22.880	ug/L	98
53) Ethylbenzene	9.05	91	281051	22.327	ug/L	99
54) m,p-Xylene	9.18	106	109670	22.366	ug/L	98
55) o-xylene	9.59	106	105319	22.654	ug/L	97
56) Styrene	9.60	104	179320	22.996	ug/L	95
57) Isopropylbenzene	9.97	105	283315	22.306	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	69399	25.274	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	51696	26.433	ug/L	99
62) Bromoform	9.77	173	38246	26.163	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	128437	24.571	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	129746	24.868	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	122416	24.926	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	14262	29.411	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	89531	24.258	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	73250	25.565	ug/L	99
69) Naphthalene	13.55	128	174076	30.005	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	67618	25.459	ug/L	99

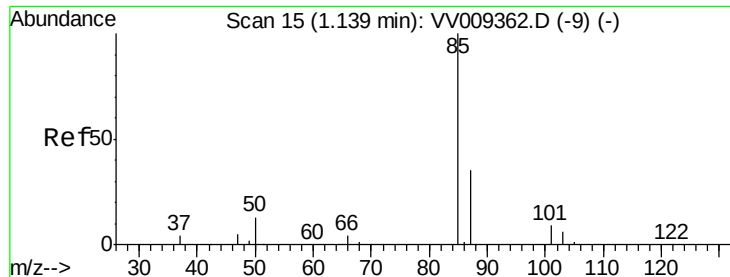
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.255 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

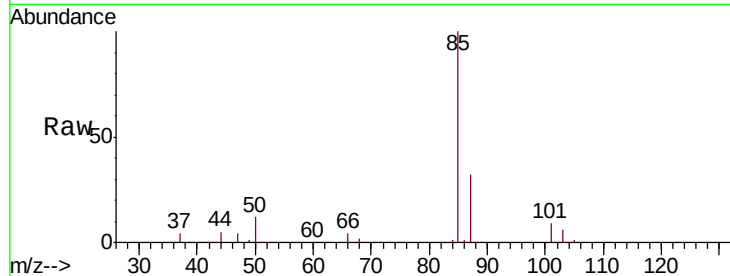
VICV86

Tgt Ion: 85 Resp: 62130

Ion Ratio Lower Upper

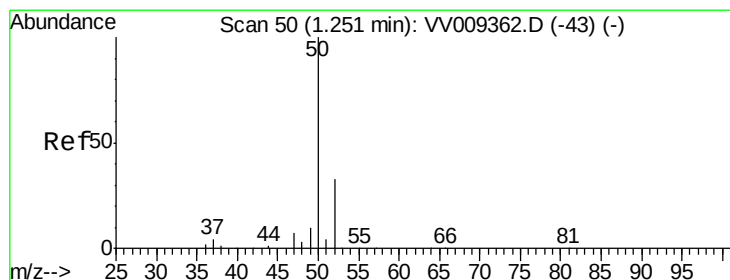
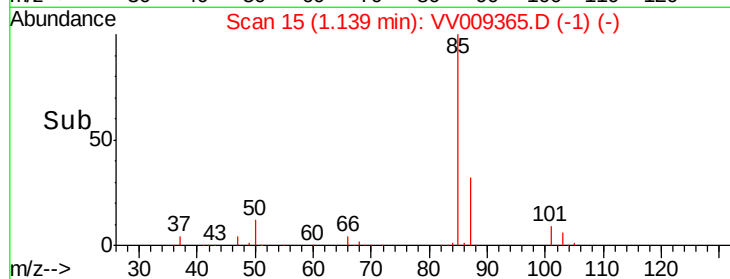
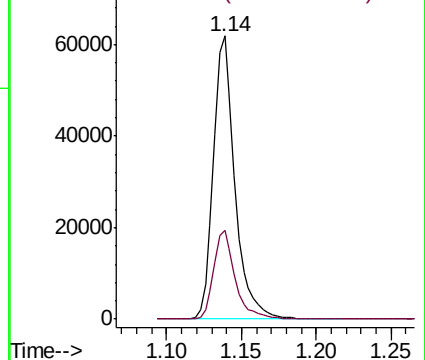
85 100

87 31.2 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009365.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009365.D (-9) (-)



#3

Chloromethane

Concen: 23.498 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009365.D

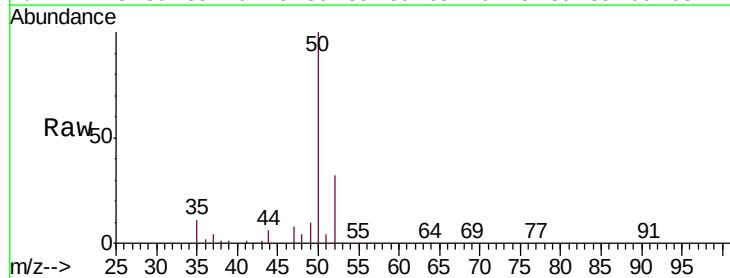
Acq: 26 Feb 2019 12:37

Tgt Ion: 50 Resp: 56856

Ion Ratio Lower Upper

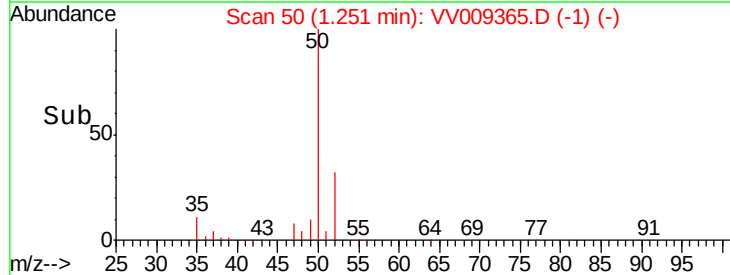
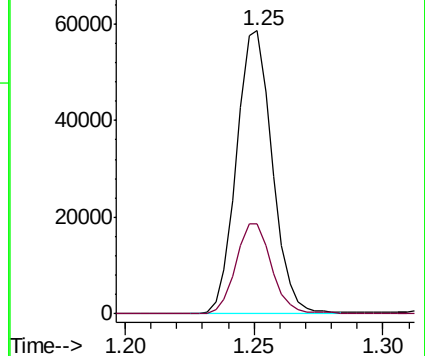
50 100

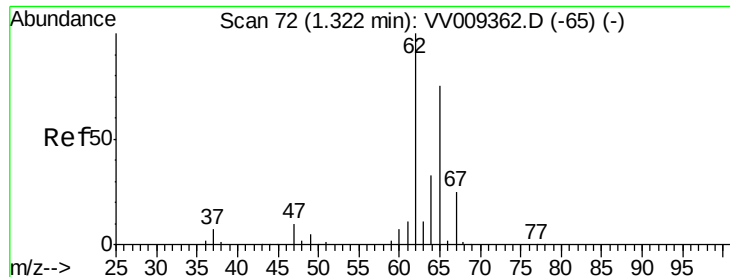
52 32.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009365.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009365.D (-43) (-)





#5

Vinyl chloride

Concen: 24.011 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

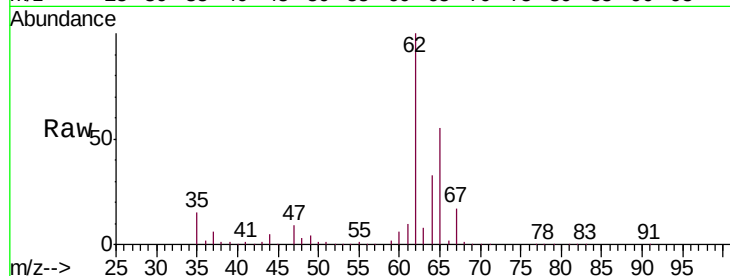
VICV86

Tgt Ion: 62 Resp: 64548

Ion Ratio Lower Upper

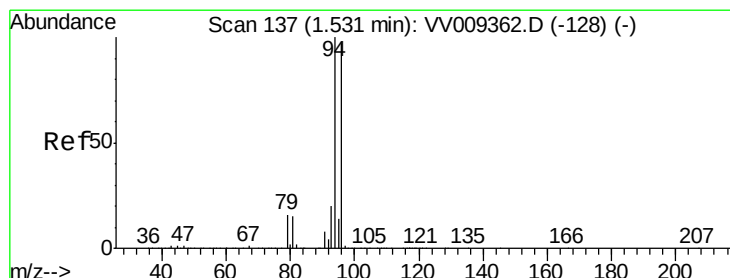
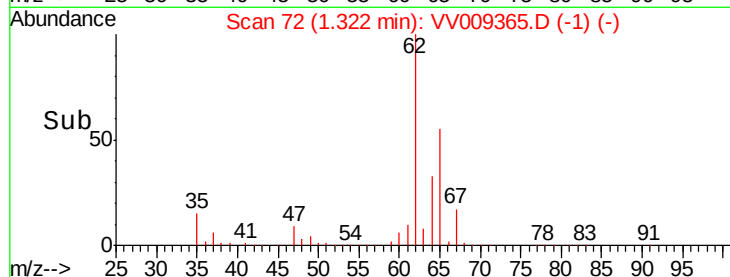
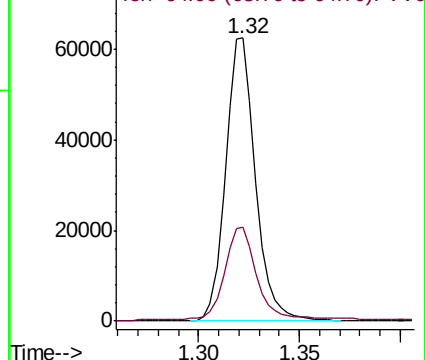
62 100

64 33.0 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 19.072 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009365.D

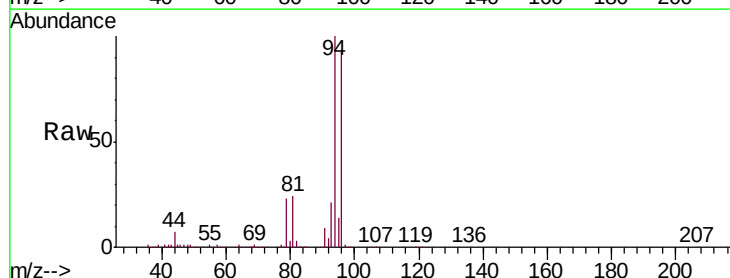
Acq: 26 Feb 2019 12:37

Tgt Ion: 94 Resp: 55139

Ion Ratio Lower Upper

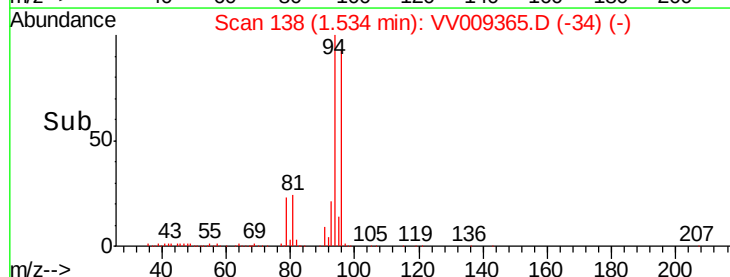
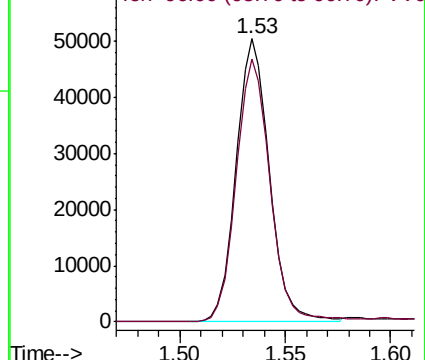
94 100

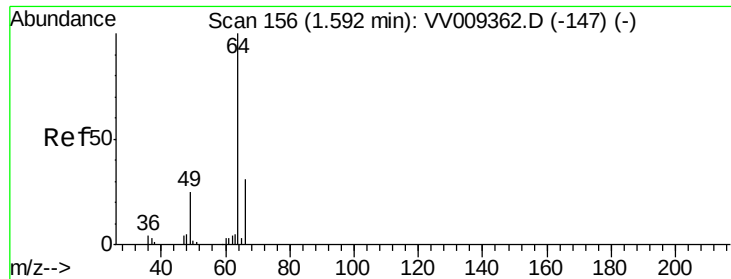
96 95.0 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

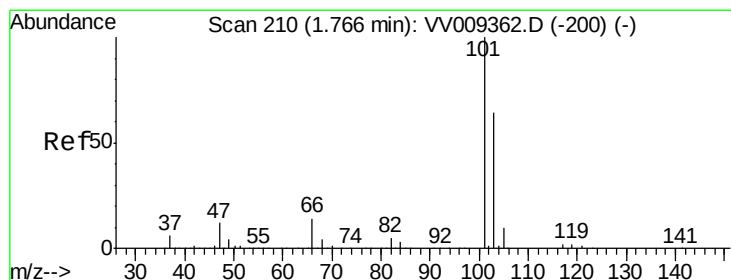
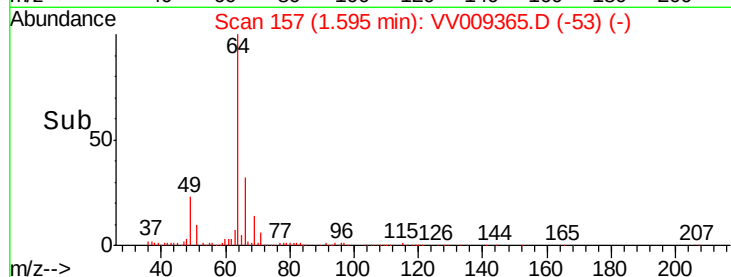
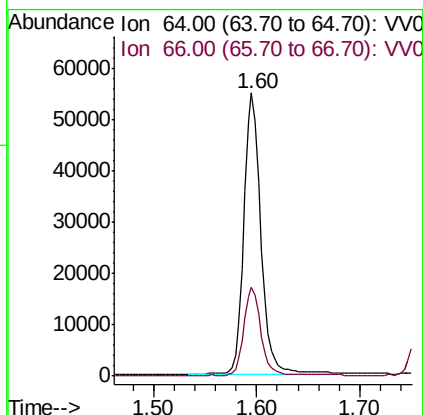
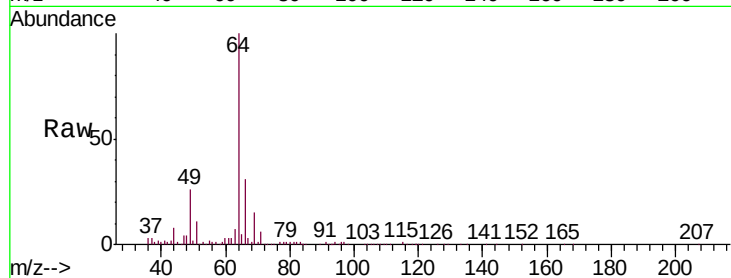




#8
Chloroethane
Concen: 27.848 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

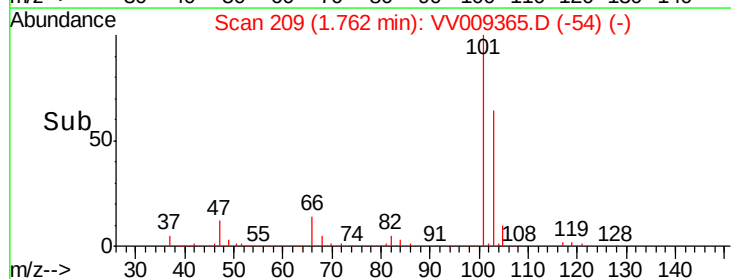
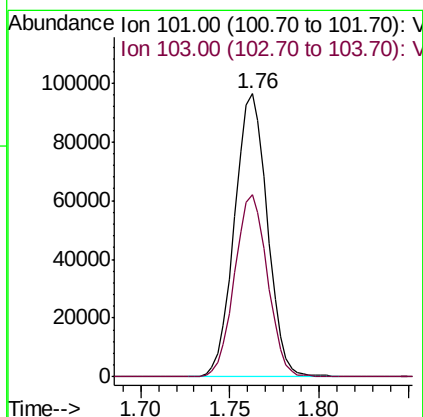
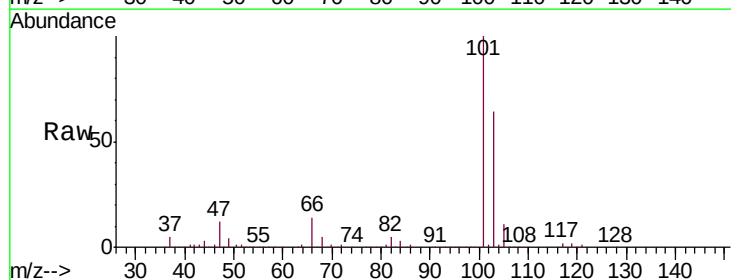
Instrument :
MSVOA_V
ClientSampleId :
VICV86

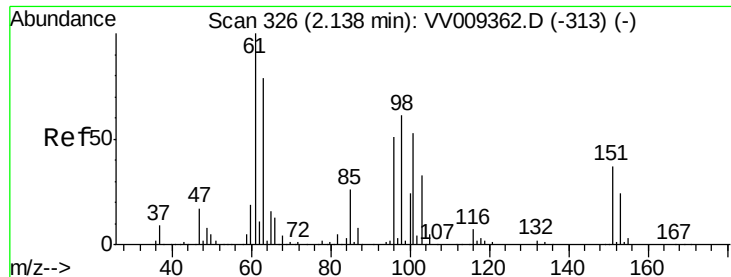
Tgt Ion: 64 Resp: 63834
Ion Ratio Lower Upper
64 100
66 31.4 21.8 40.6



#9
Trichlorofluoromethane
Concen: 22.743 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

Tgt Ion: 101 Resp: 123279
Ion Ratio Lower Upper
101 100
103 64.7 44.7 83.1





#11

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

Concen: 21.831 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VICV86

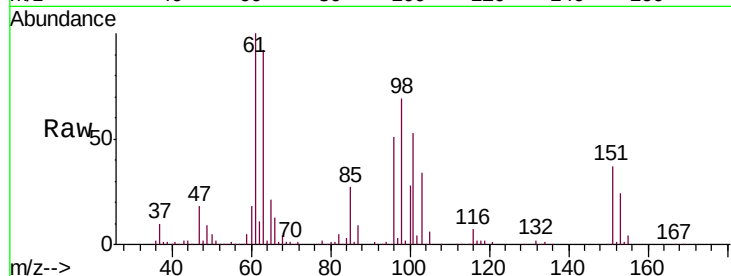
Tgt Ion: 101 Resp: 65661

Ion Ratio Lower Upper

101 100

85 49.4 40.1 60.1

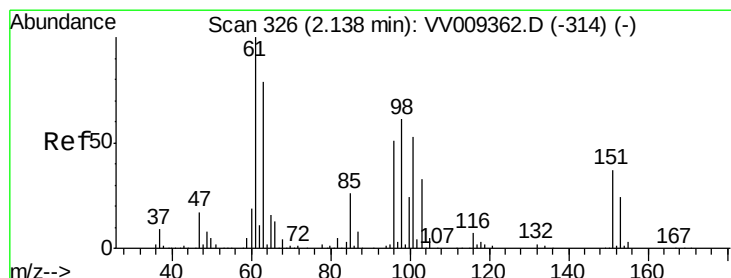
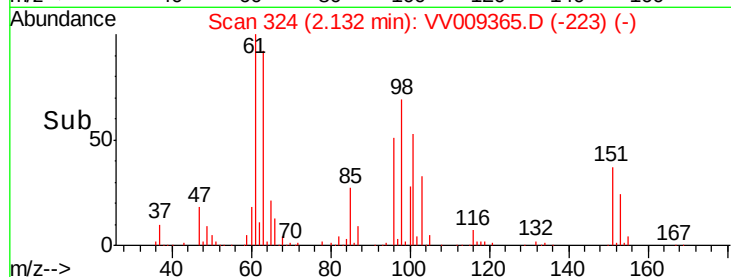
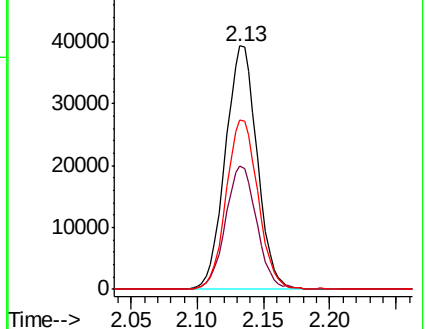
151 69.5 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009362.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV009365.D (-223) (-)

Ion 151.00 (150.70 to 151.70): VV009365.D (-223) (-)



#12

1,1-Dichloroethene

Concen: 21.205 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

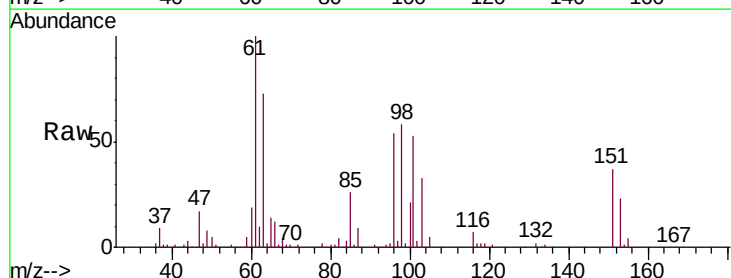
Tgt Ion: 96 Resp: 54838

Ion Ratio Lower Upper

96 100

61 186.6 136.9 254.3

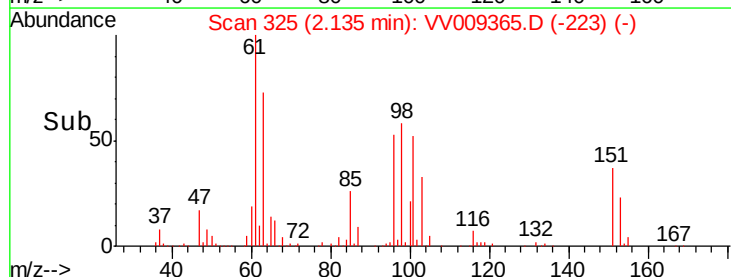
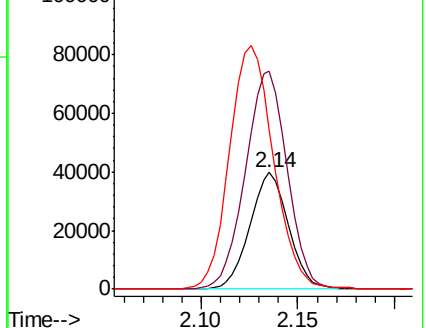
63 136.0 108.7 201.9

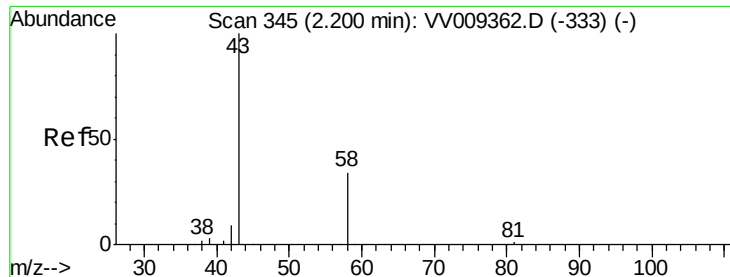


Abundance Ion 96.00 (95.70 to 96.70): VV009365.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009362.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009365.D (-223) (-)





#13

Acetone

Concen: 58.603 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

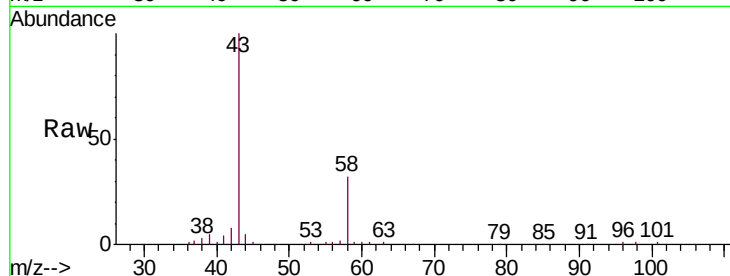
VICV86

Tgt Ion: 43 Resp: 45732

Ion Ratio Lower Upper

43 100

58 35.9 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009362.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV009365.D (-242) (-)

25000

20000

15000

10000

5000

0

Time--> 2.10 2.15 2.20 2.25 2.30

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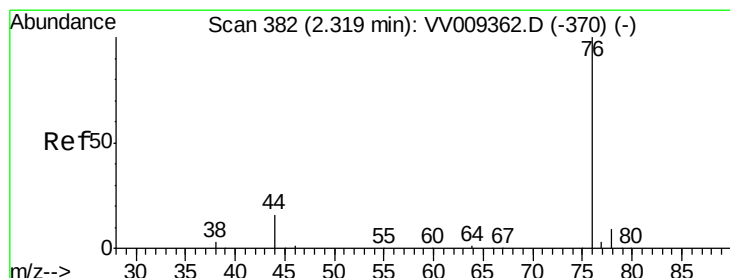
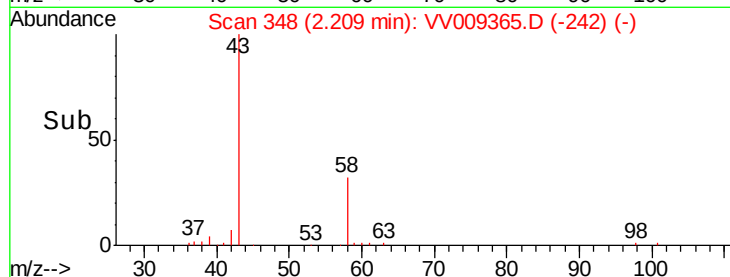
2.21

2.21

2.21

2.21

2.21



#14

Carbon disulfide

Concen: 23.820 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VV009365.D

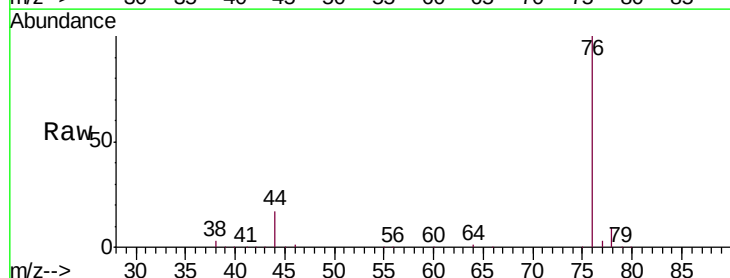
Acq: 26 Feb 2019 12:37

Tgt Ion: 76 Resp: 160052

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009362.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009365.D (-226) (-)

120000

100000

80000

60000

40000

20000

0

Time--> 2.25 2.30 2.35 2.40

2.31

2.31

2.31

2.31

2.31

2.31

2.31

2.31

2.31

2.31

2.31

2.31

2.31

2.31

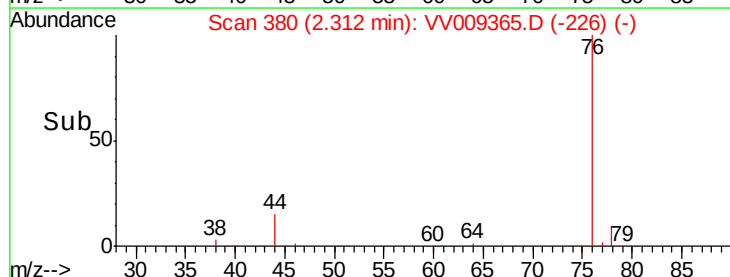
2.31

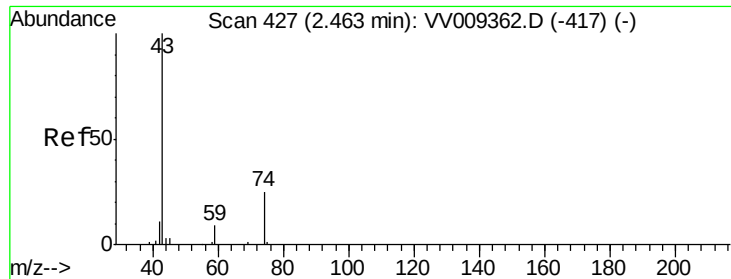
2.31

2.31

2.31

2.31





#15

Methyl Acetate

Concen: 29.858 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

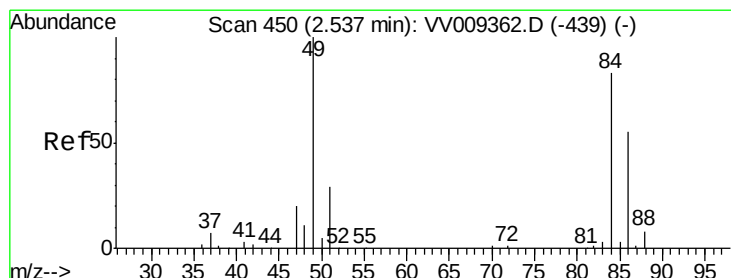
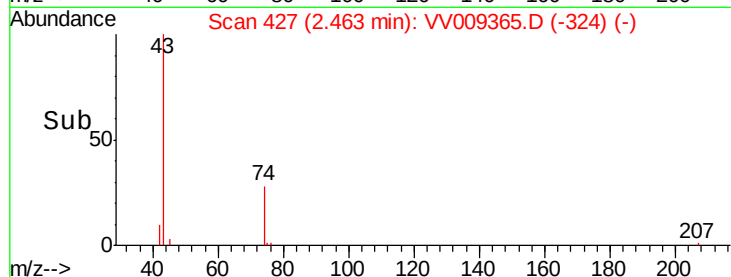
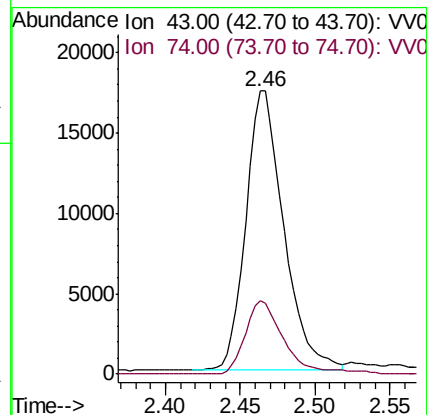
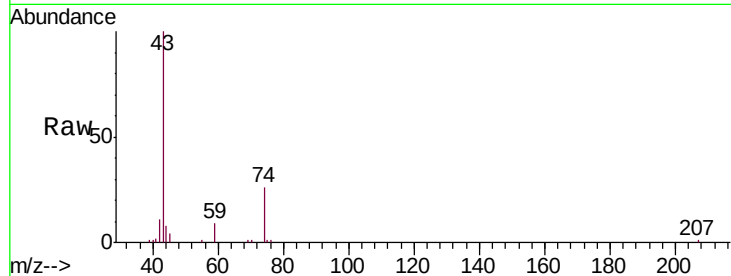
VICV86

Tgt Ion: 43 Resp: 30788

Ion Ratio Lower Upper

43 100

74 25.3 21.8 32.8



#16

Methylene chloride

Concen: 22.269 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

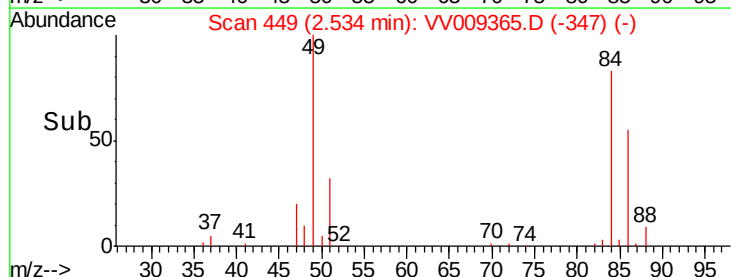
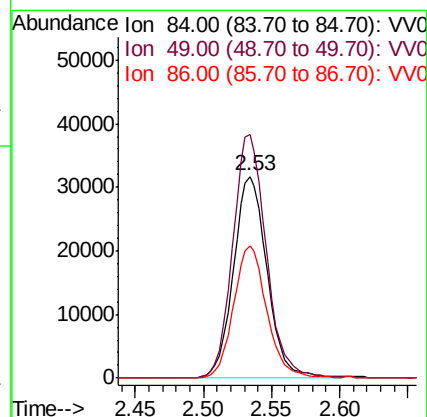
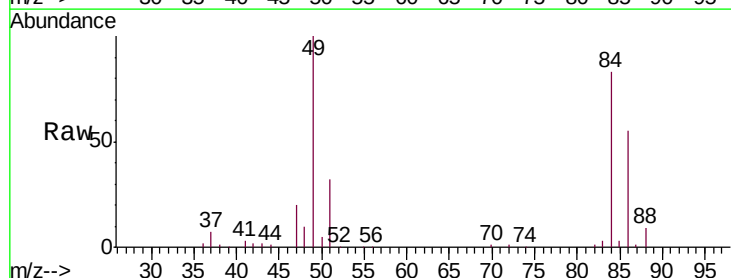
Tgt Ion: 84 Resp: 54317

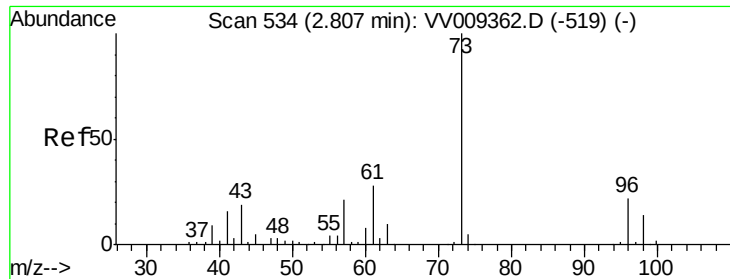
Ion Ratio Lower Upper

84 100

49 120.9 84.6 157.0

86 65.9 46.1 85.7

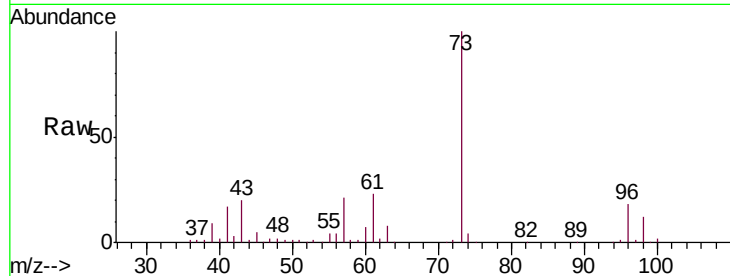




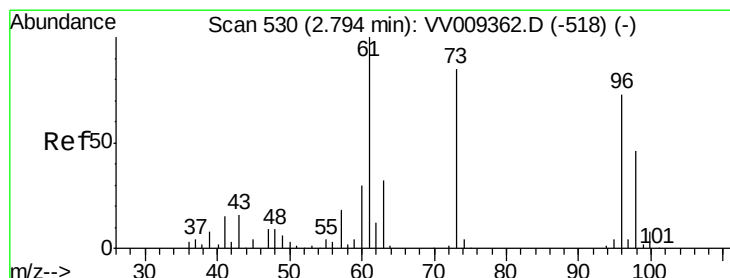
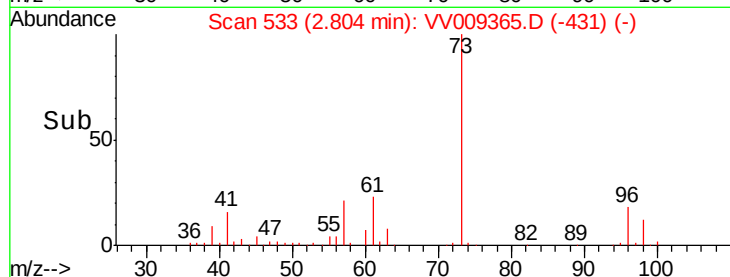
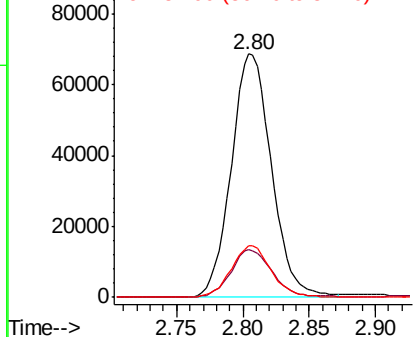
#17
Methyl tert-butyl Ether
Concen: 25.718 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

Instrument :
MSVOA_V
ClientSampleId :
VICV86

Tgt Ion: 73 Resp: 144725
Ion Ratio Lower Upper
73 100
43 19.2 15.0 22.4
57 21.0 17.0 25.4

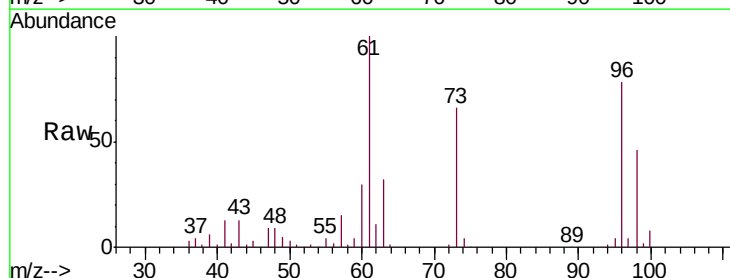


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

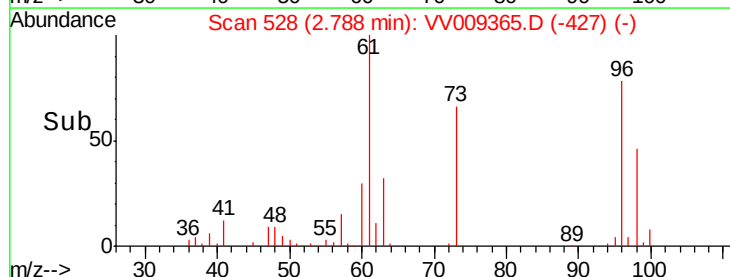
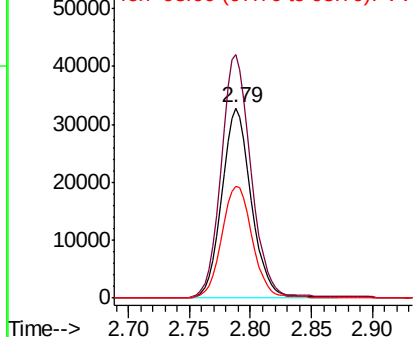


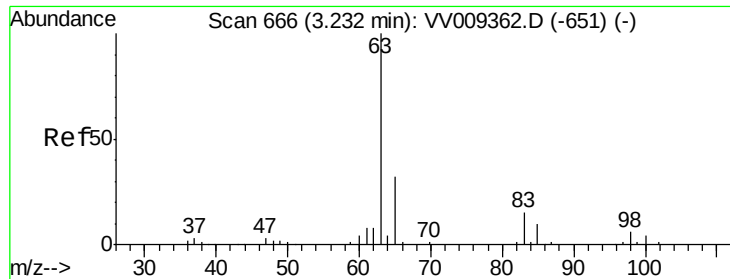
#18
trans-1,2-Dichloroethene
Concen: 24.906 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.01 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

Tgt Ion: 96 Resp: 55981
Ion Ratio Lower Upper
96 100
61 127.8 95.6 177.6
98 58.8 44.0 81.6



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

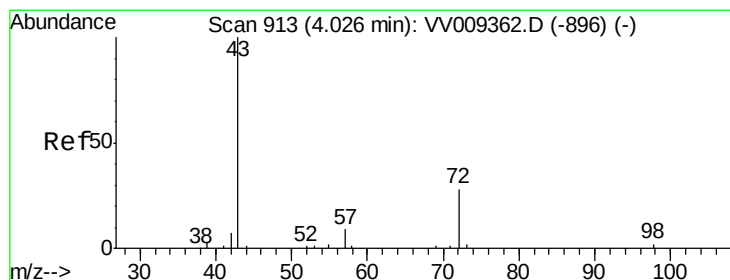
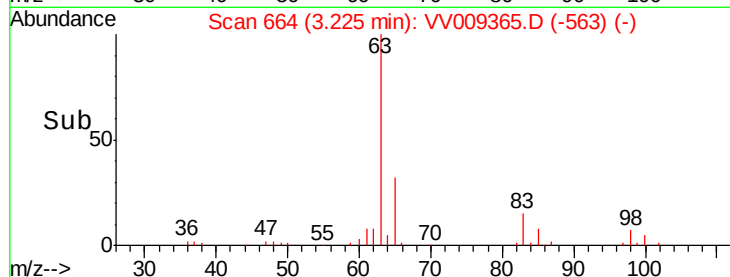
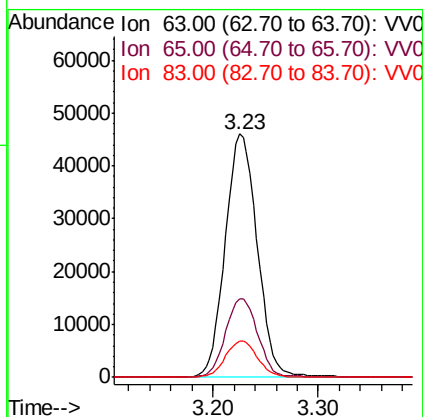
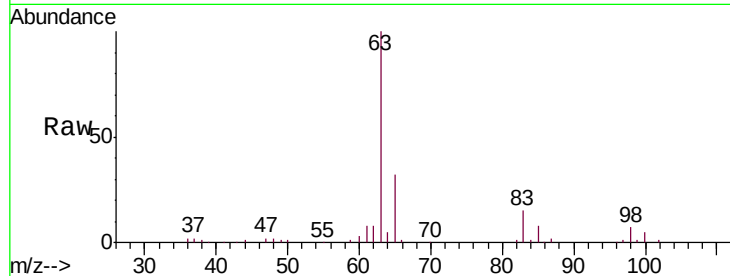




#19
 1,1-Dichloroethane
 Concen: 24.294 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

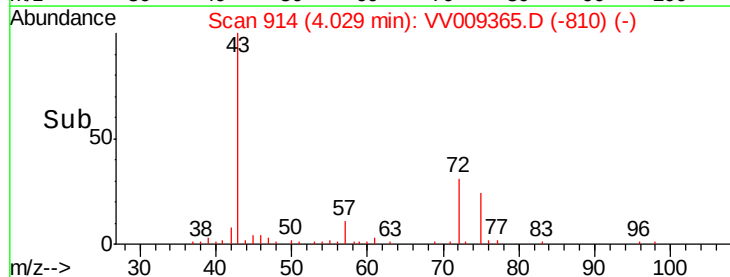
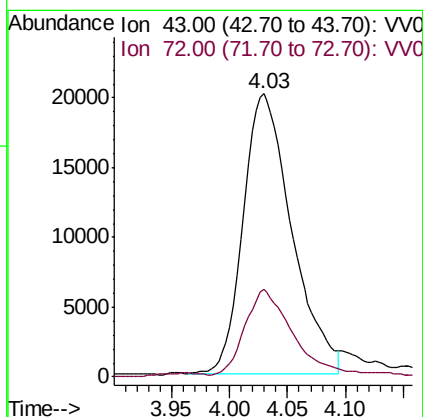
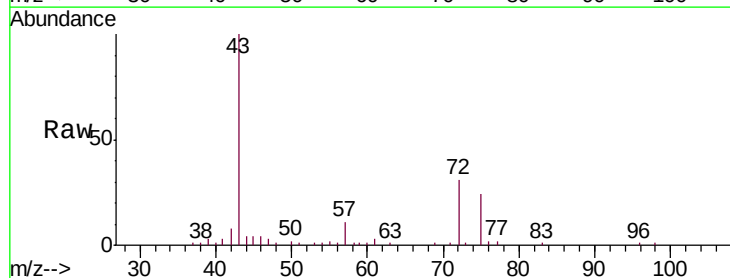
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV86

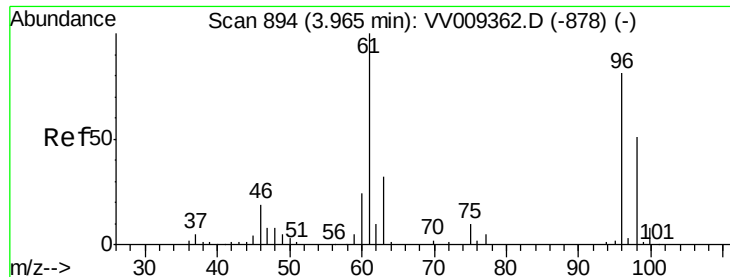
Tgt Ion: 63 Resp: 97010
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.1 41.1
 83 14.8 10.2 19.0



#21
 2-Butanone
 Concen: 60.312 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

Tgt Ion: 43 Resp: 58652
 Ion Ratio Lower Upper
 43 100
 72 29.0 13.7 41.0



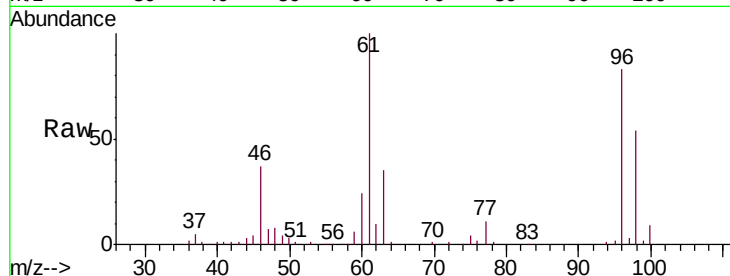


#22

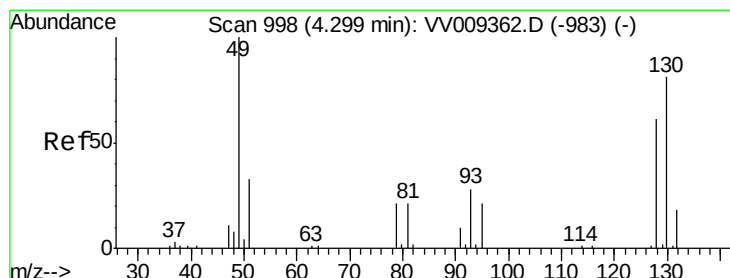
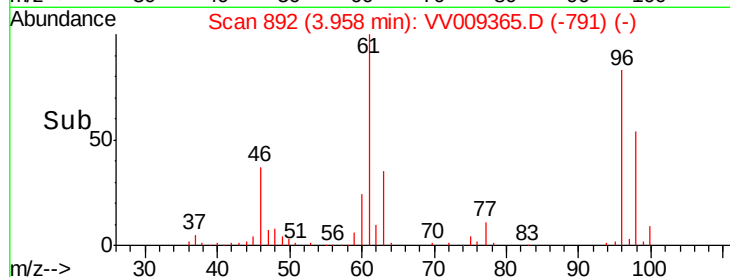
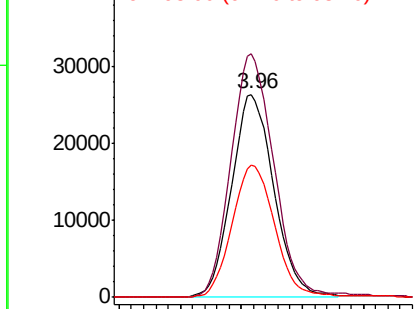
cis-1,2-Dichloroethene
 Concen: 25.156 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV86

Tgt Ion: 96 Resp: 63572
 Ion Ratio Lower Upper
 96 100
 61 119.8 87.2 161.9
 98 65.2 44.6 82.8



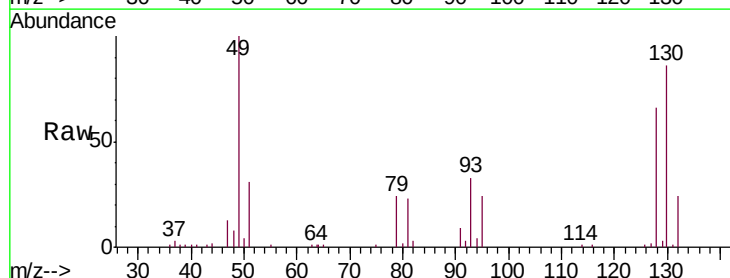
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



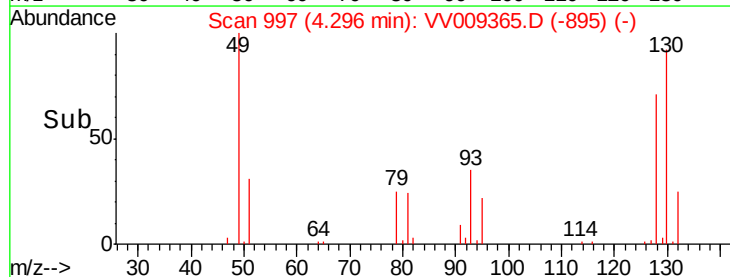
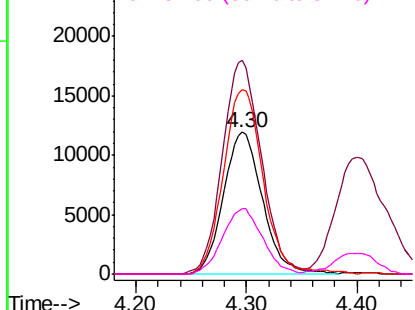
#23

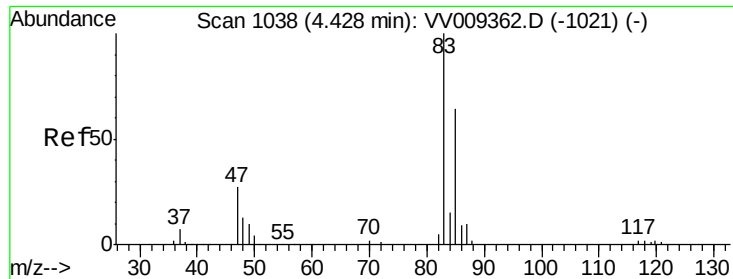
Bromochloromethane
 Concen: 25.844 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

Tgt Ion: 128 Resp: 29310
 Ion Ratio Lower Upper
 128 100
 49 150.6 115.5 214.5
 130 129.8 92.6 172.0
 51 46.2 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

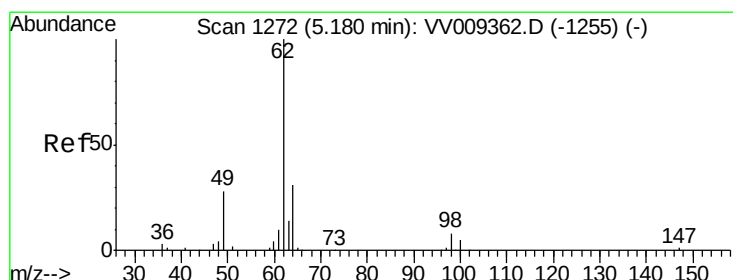
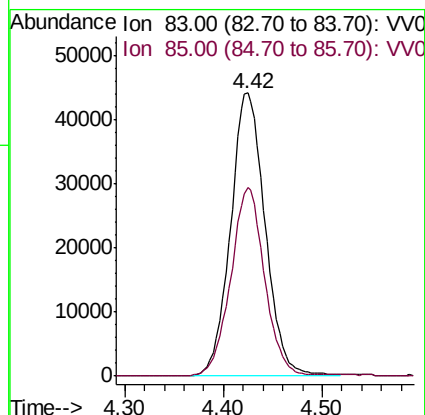
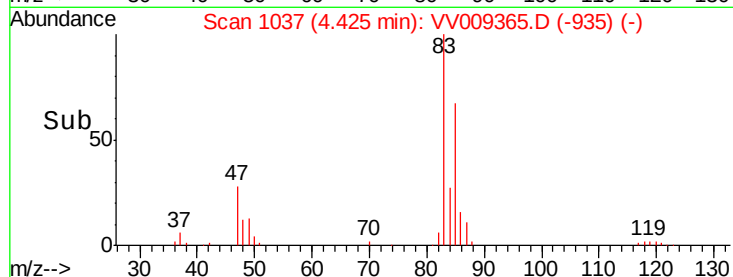
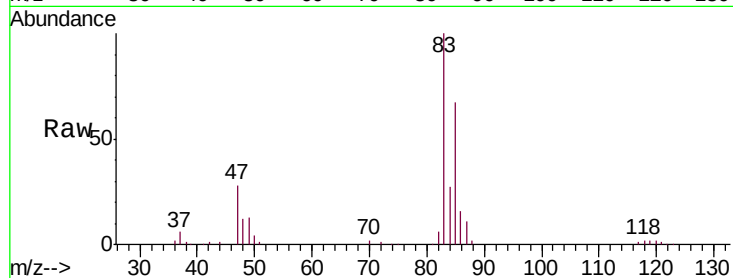




#25
Chloroform
Concen: 24.807 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

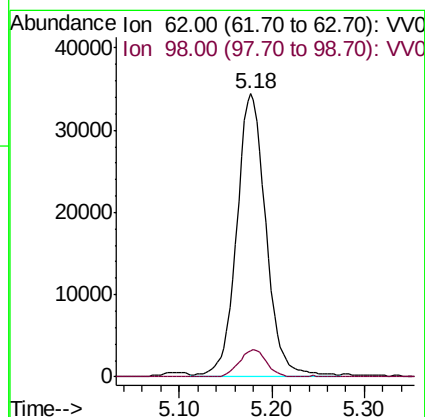
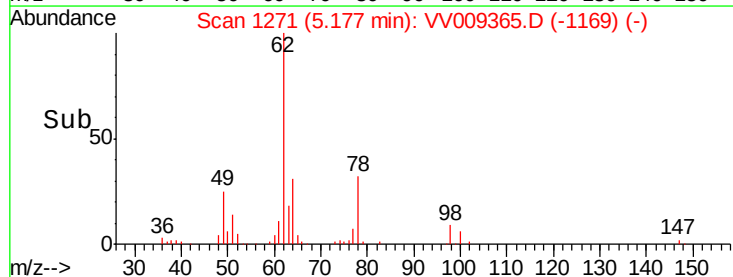
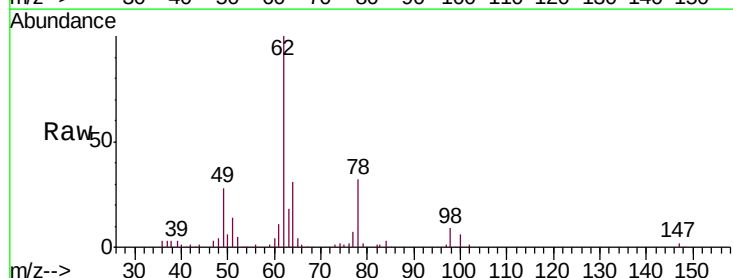
Instrument :
MSVOA_V
ClientSampleId :
VICV86

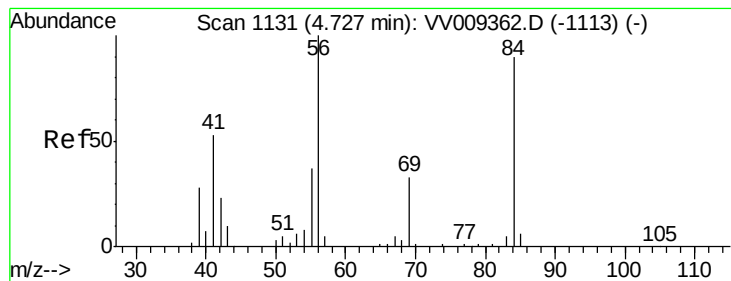
Tgt Ion: 83 Resp: 107798
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.262 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

Tgt Ion: 62 Resp: 75937
Ion Ratio Lower Upper
62 100
98 9.4 6.6 10.0





#30

Cyclohexane

Concen: 22.039 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VICV86

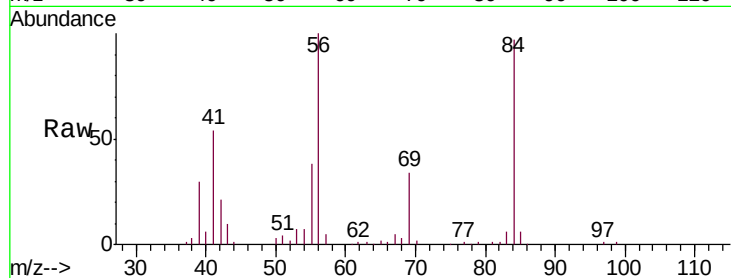
Tgt Ion: 56 Resp: 92141

Ion Ratio Lower Upper

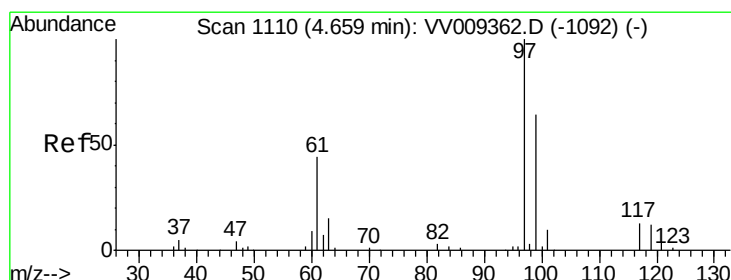
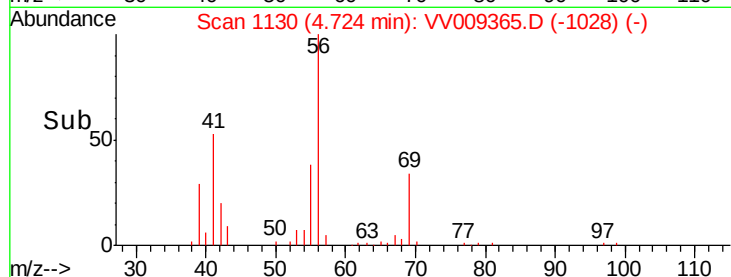
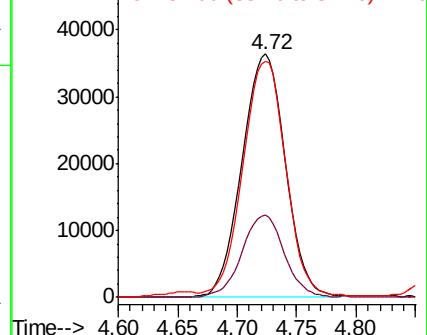
56 100

69 33.0 24.9 37.3

84 94.0 71.9 107.9



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



#31

1,1,1-Trichloroethane

Concen: 23.553 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

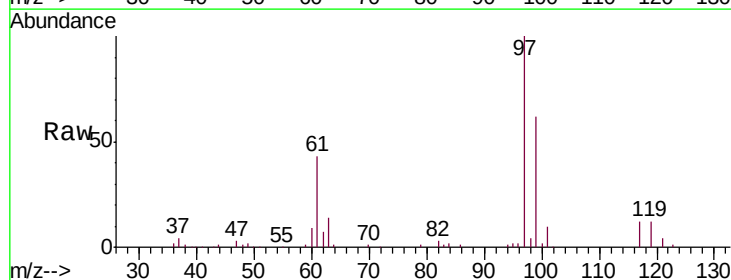
Tgt Ion: 97 Resp: 98726

Ion Ratio Lower Upper

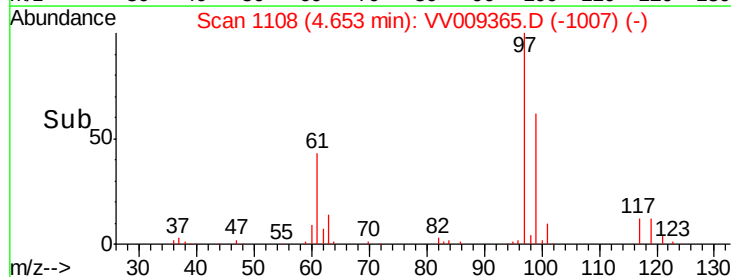
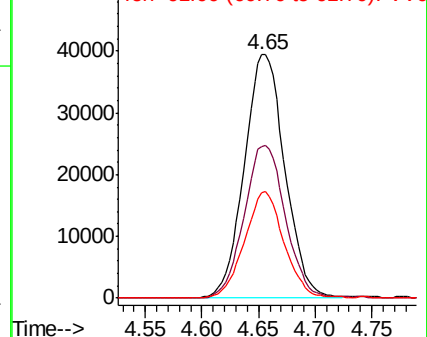
97 100

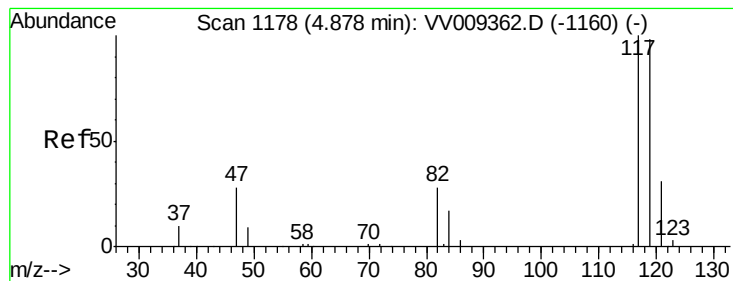
99 63.3 51.0 76.4

61 42.4 36.1 54.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 22.641 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

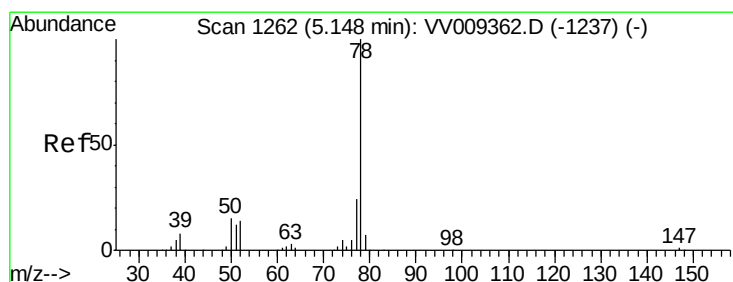
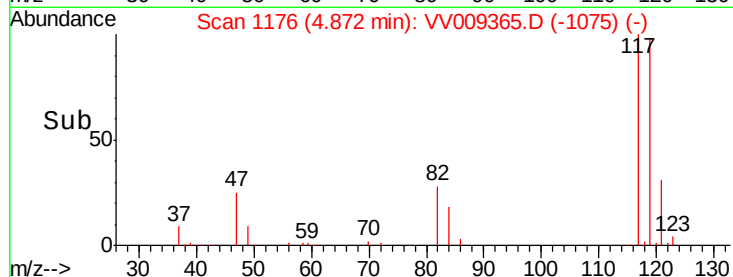
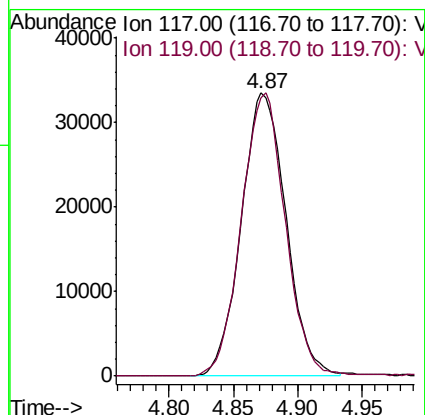
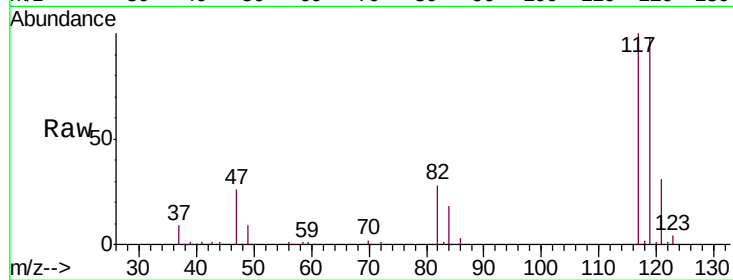
VICV86

Tgt Ion:117 Resp: 80941

Ion Ratio Lower Upper

117 100

119 98.3 76.5 114.7



#34

Benzene

Concen: 23.261 ug/L

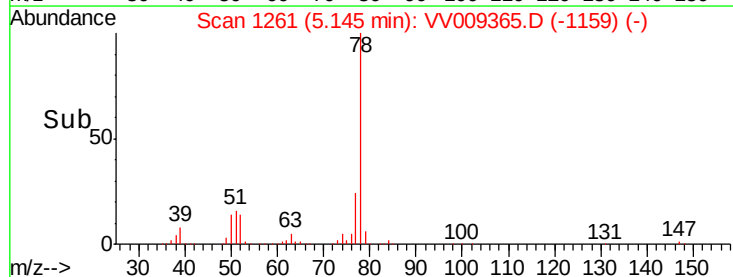
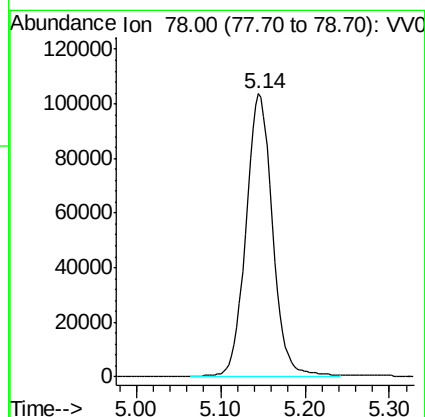
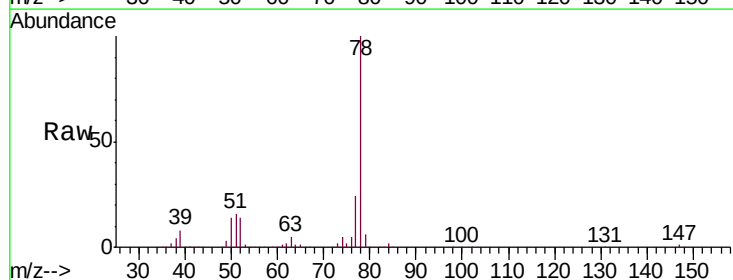
RT: 5.14 min Scan# 1261

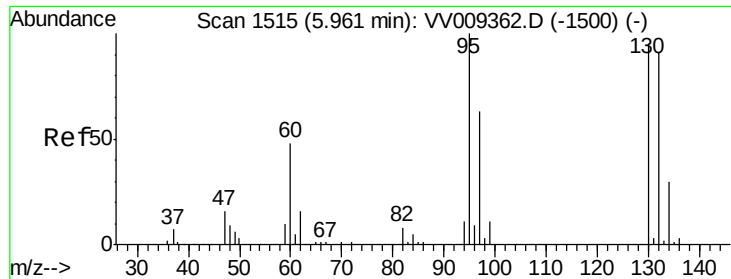
Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Tgt Ion: 78 Resp: 228893





#35

Trichloroethene

Concen: 23.152 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VICV86

Tgt Ion: 95 Resp: 63065

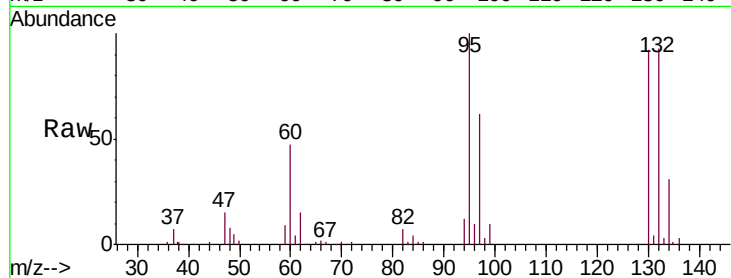
Ion Ratio Lower Upper

95 100

97 65.3 44.3 82.3

132 95.5 64.4 119.6

130 97.0 69.4 128.8



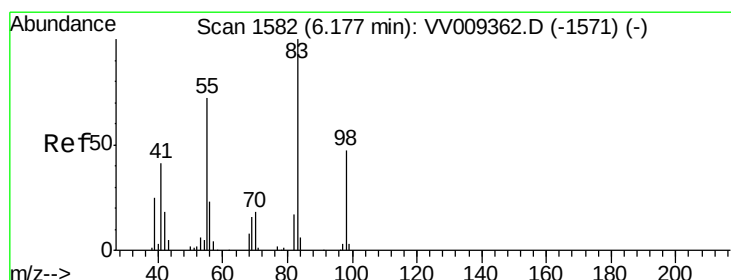
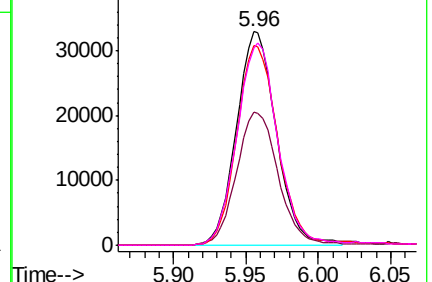
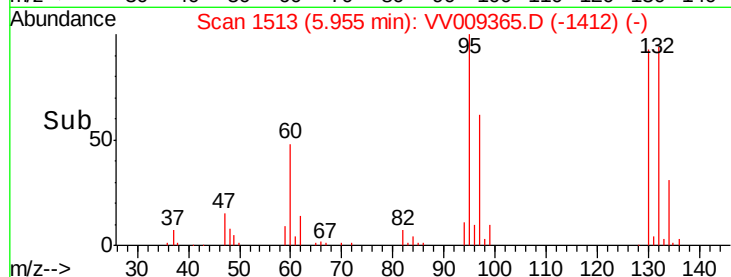
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 21.790 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

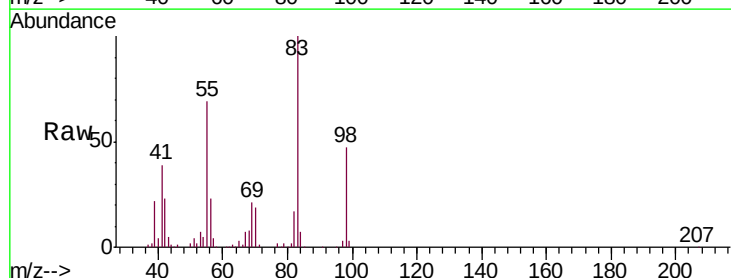
Tgt Ion: 83 Resp: 103633

Ion Ratio Lower Upper

83 100

55 70.5 58.8 88.2

98 47.0 37.7 56.5

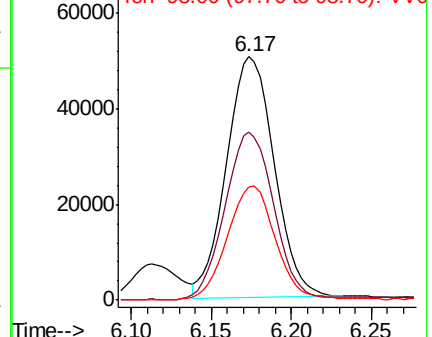
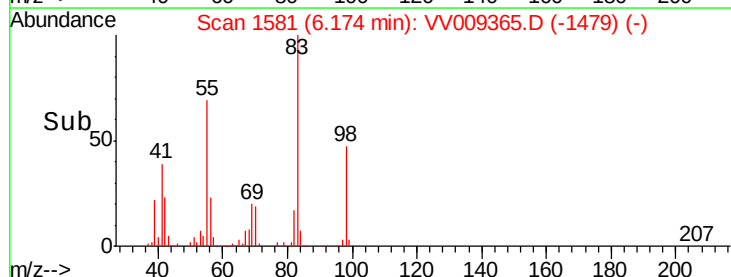


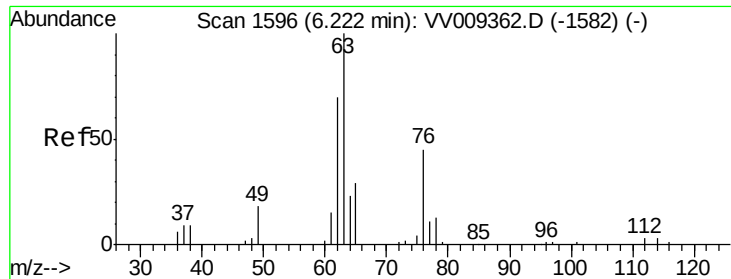
Abundance

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

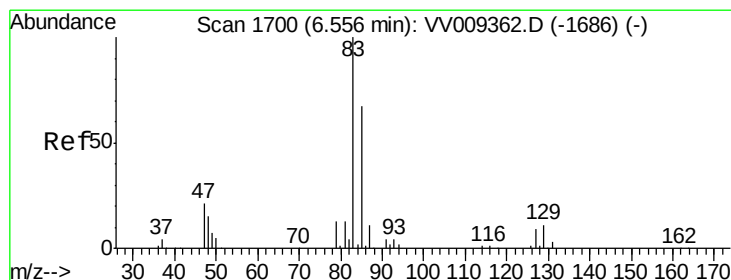
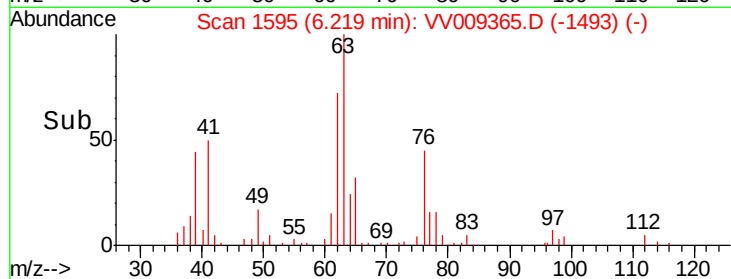
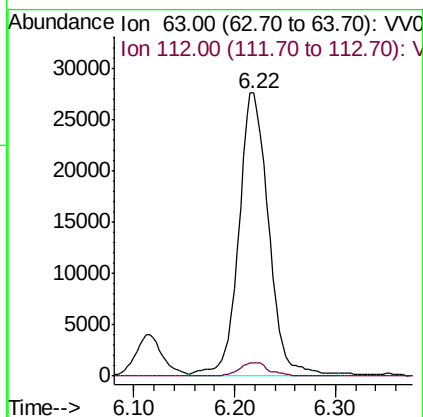
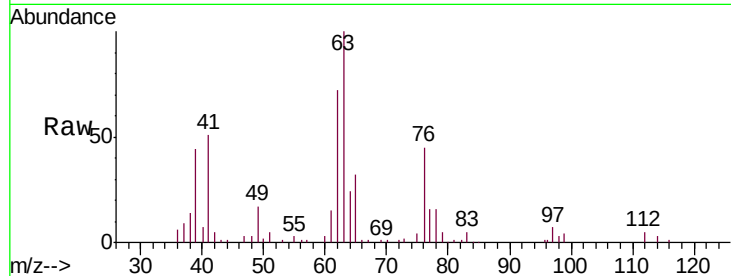




#40
 1,2-Dichloropropane
 Concen: 23.173 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

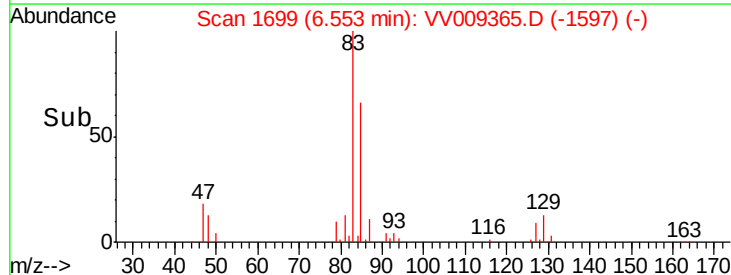
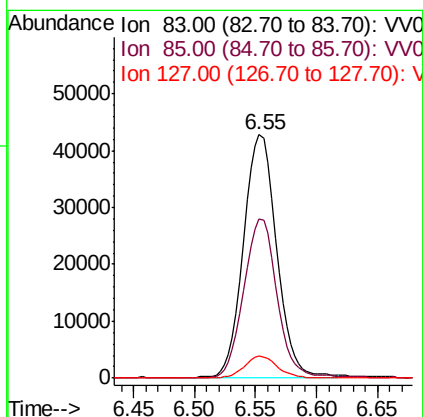
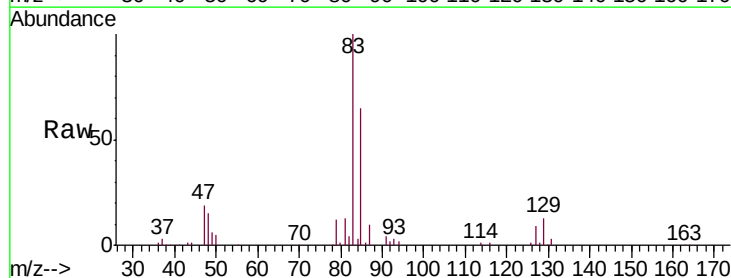
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV86

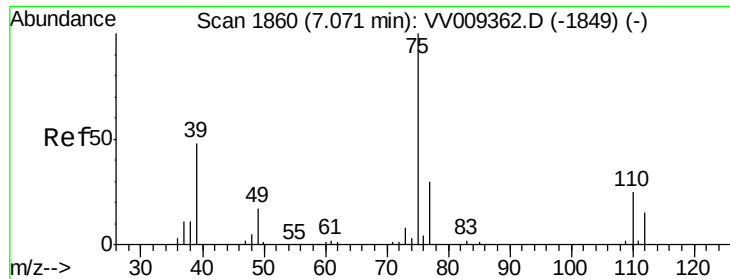
Tgt Ion: 63 Resp: 56650
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.0 4.4#



#41
 Bromodichloromethane
 Concen: 23.193 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

Tgt Ion: 83 Resp: 80631
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.5 86.3
 127 9.0 7.2 10.8



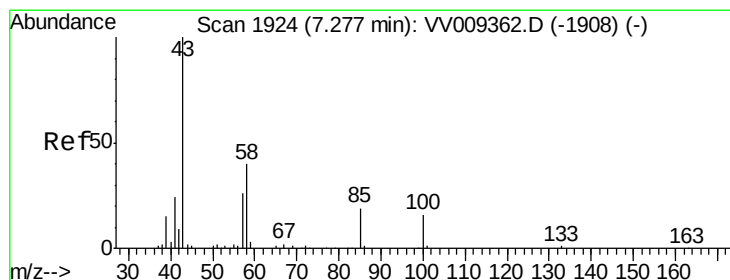
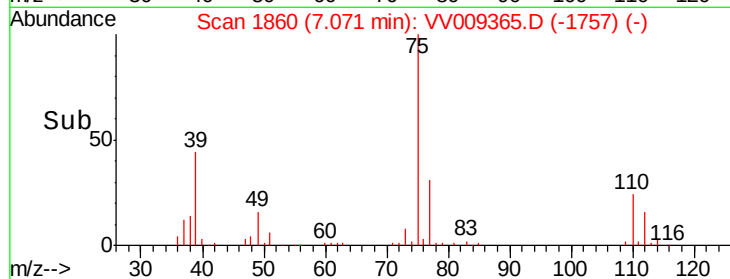
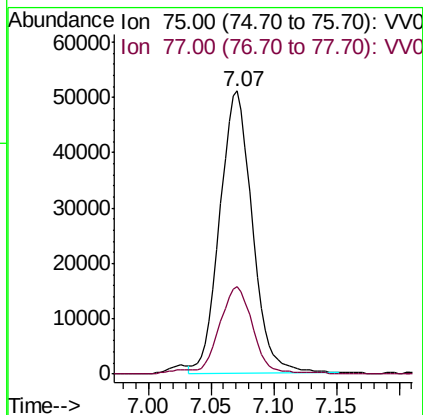
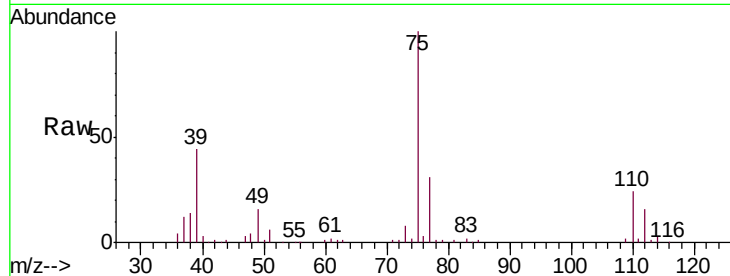


#42

cis-1,3-Dichloropropene
 Concen: 23.717 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV86

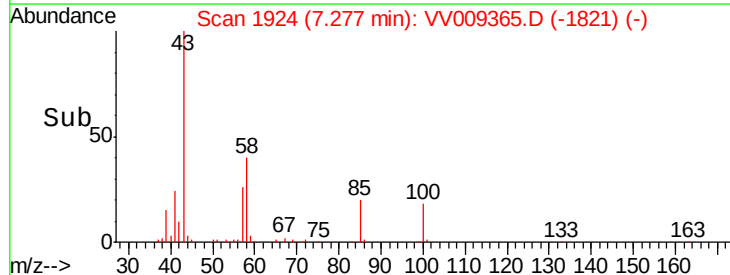
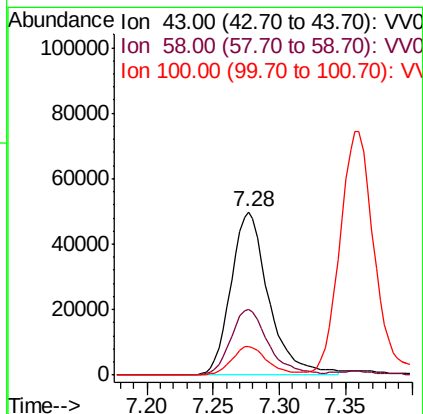
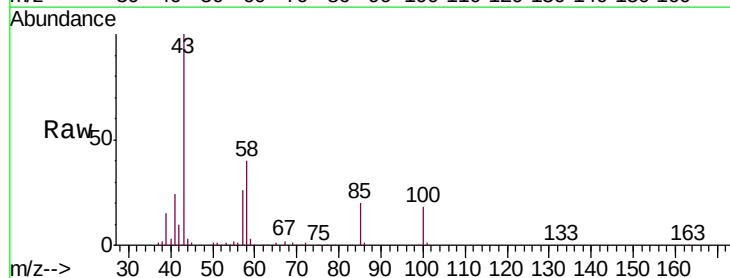
Tgt Ion: 75 Resp: 92124
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.4 39.8

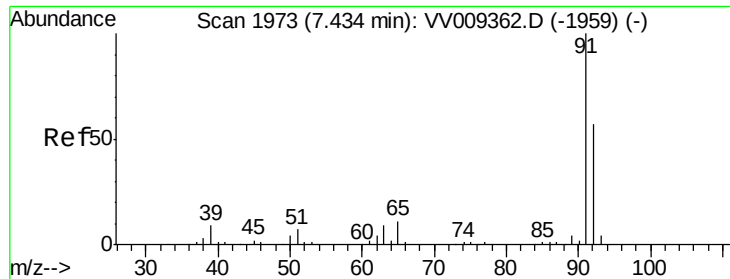


#43

4-Methyl-2-pentanone
 Concen: 55.760 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

Tgt Ion: 43 Resp: 97455
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.9 47.9
 100 17.1 12.8 19.2





#44

Toluene

Concen: 22.760 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

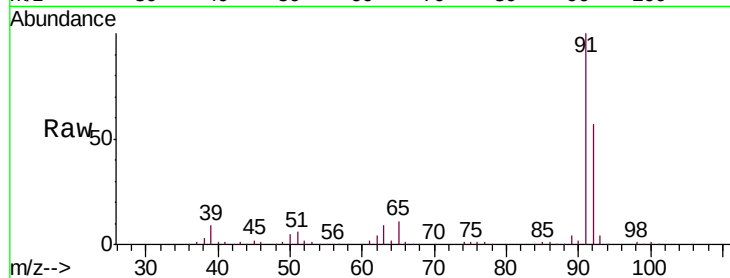
VICV86

Tgt Ion: 91 Resp: 250494

Ion Ratio Lower Upper

91 100

92 56.6 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009362.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009362.D (-1959) (-)

7.43

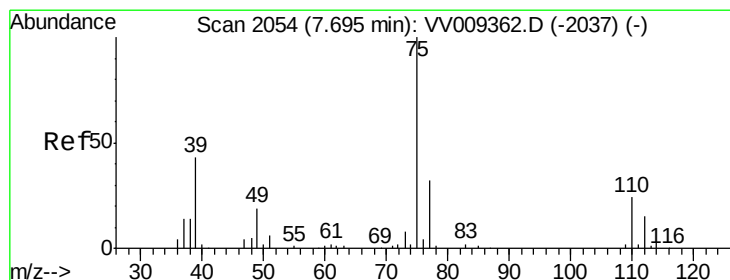
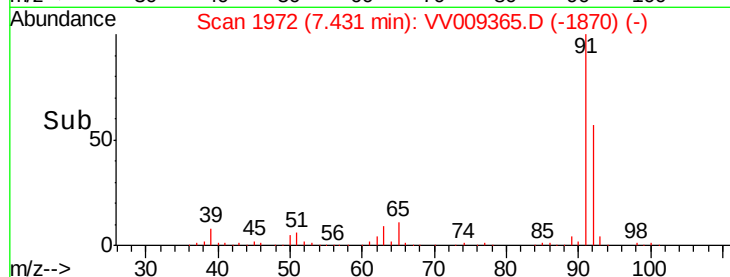
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.518 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009365.D

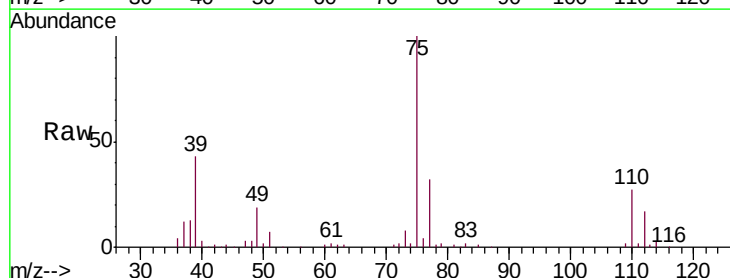
Acq: 26 Feb 2019 12:37

Tgt Ion: 75 Resp: 82818

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009362.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009362.D (-2037) (-)

7.69

50000

40000

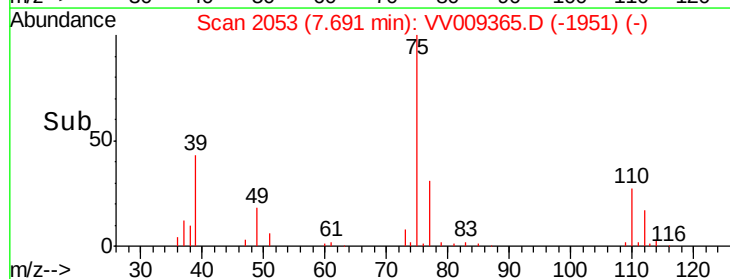
30000

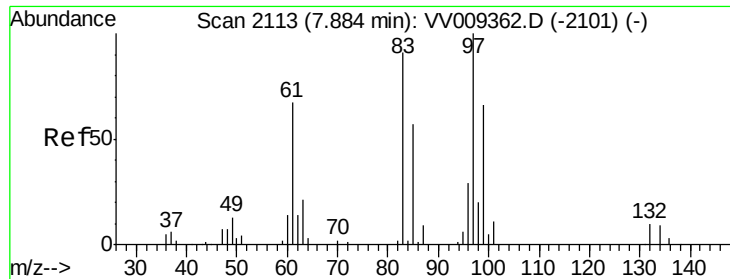
20000

10000

0

Time-->

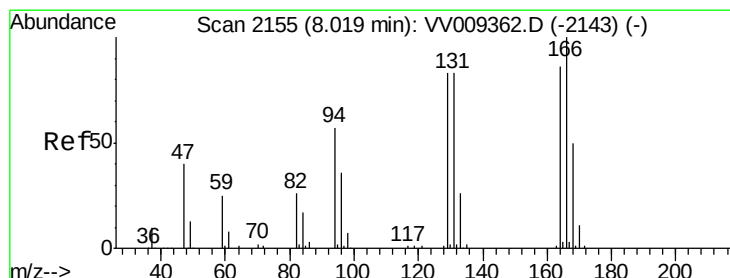
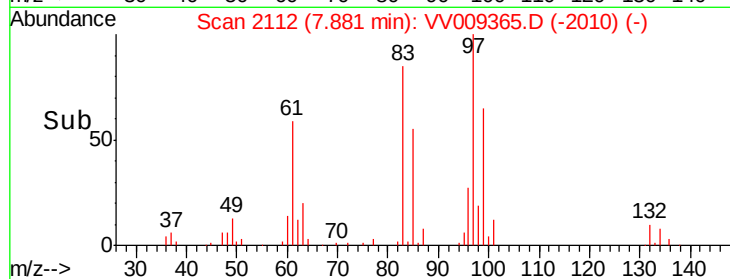
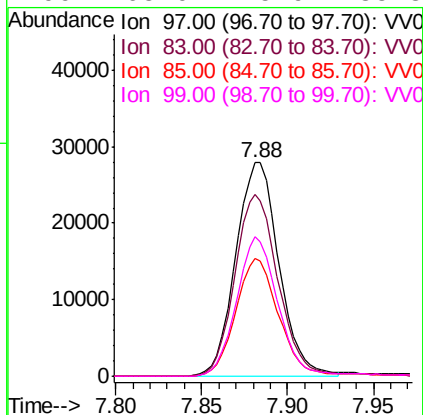
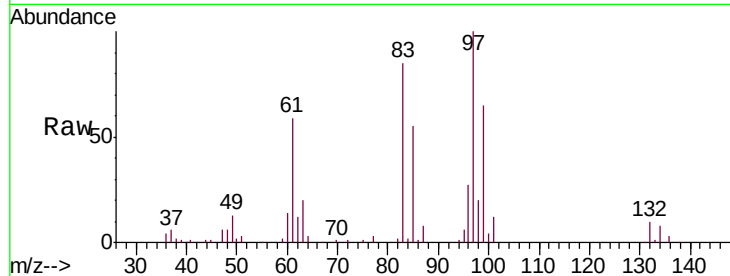




#46
1,1,2-Trichloroethane
Concen: 24.252 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

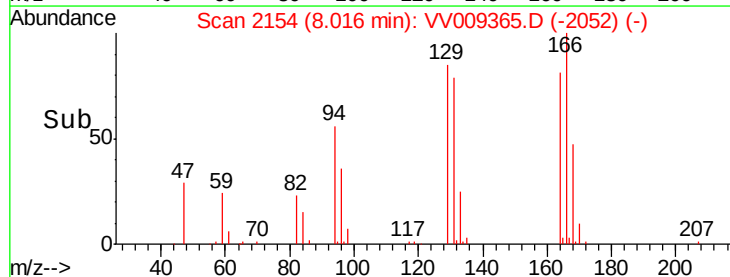
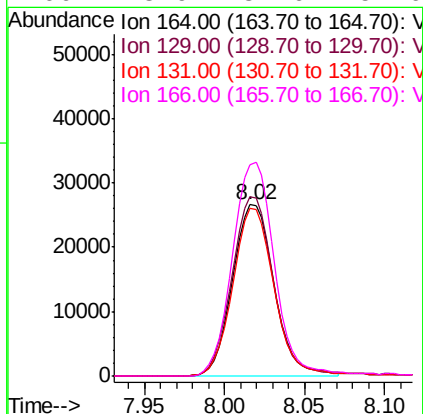
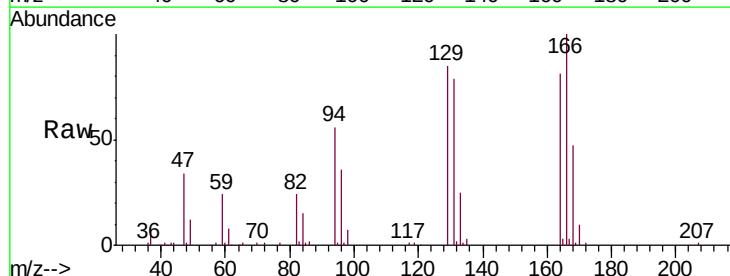
Instrument :
MSVOA_V
ClientSampleId :
VICV86

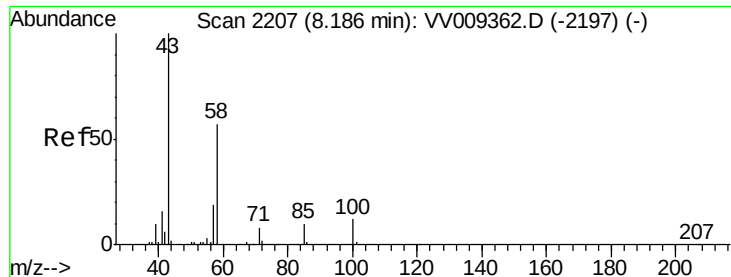
Tgt Ion:	97	Resp:	48972
Ion	Ratio	Lower	Upper
97	100		
83	85.0	63.8	118.6
85	55.3	39.5	73.4
99	65.0	45.9	85.3



#47
Tetrachloroethene
Concen: 23.451 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

Tgt Ion:	164	Resp:	47314
Ion	Ratio	Lower	Upper
164	100		
129	105.2	67.7	125.7
131	98.3	67.5	125.3
166	123.9	81.6	151.6

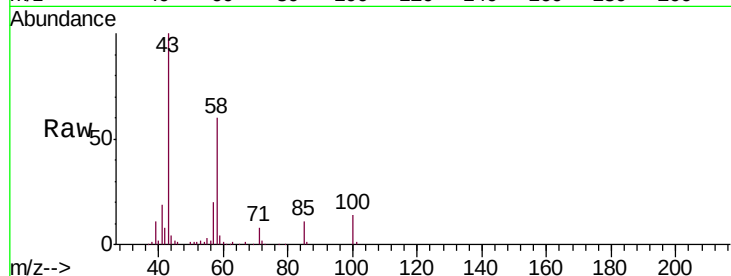




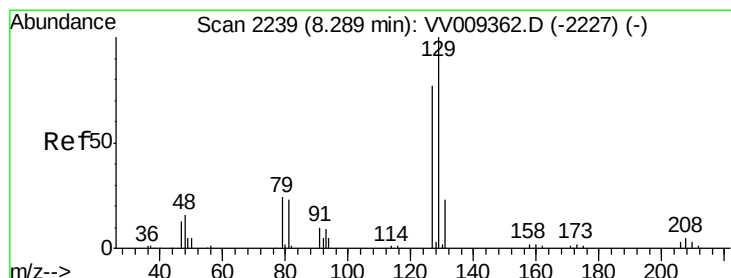
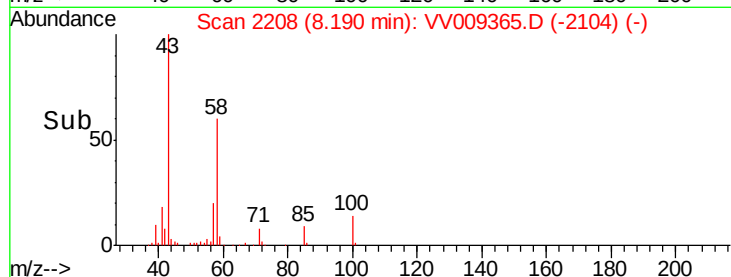
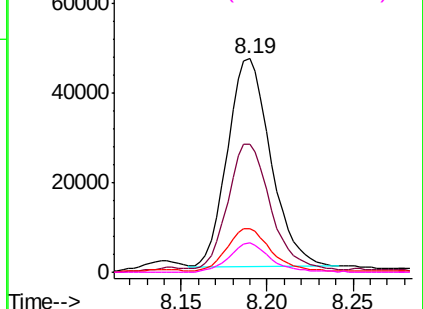
#49
2-Hexanone
Concen: 56.235 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

Instrument :
MSVOA_V
ClientSampleId :
VICV86

Tgt Ion:	43	Resp:	82067
Ion	Ratio	Lower	Upper
43	100		
58	59.9	46.3	69.5
57	21.9	15.8	23.6
100	13.4	10.0	15.0

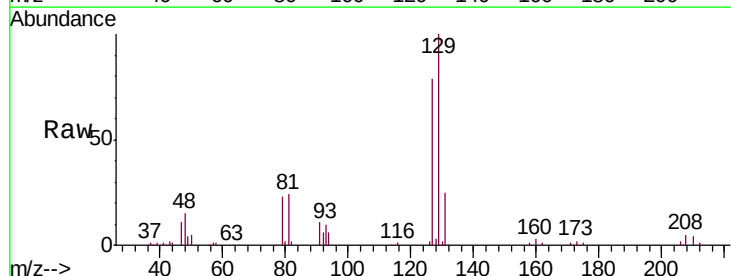


Abundance Ion 43.00 (42.70 to 43.70): VV009365.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV009365.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV009365.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV009365.D (-2104) (-)

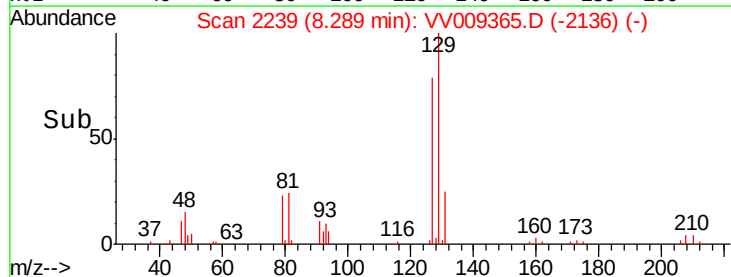
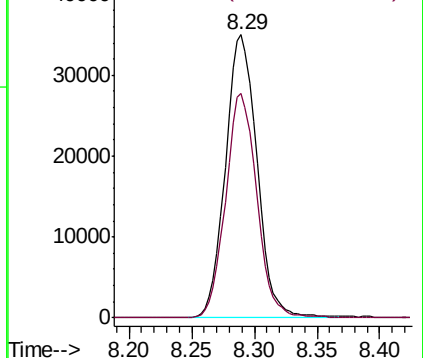


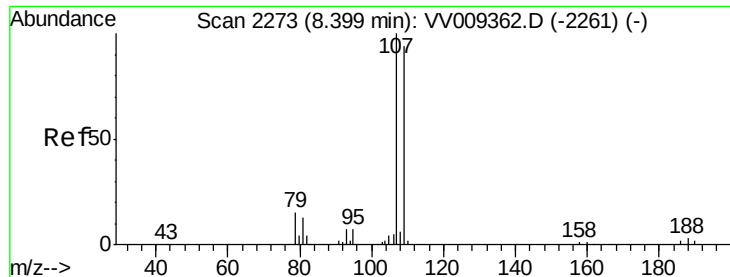
#50
Dibromochloromethane
Concen: 24.311 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009365.D
Acq: 26 Feb 2019 12:37

Tgt Ion:	129	Resp:	61406
Ion	Ratio	Lower	Upper
129	100		
127	79.1	53.7	99.7



Abundance Ion 129.00 (128.70 to 129.70): VV009365.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV009365.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 25.251 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VICV86

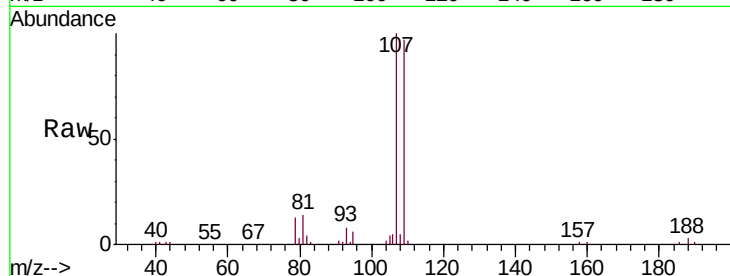
Tgt Ion:107 Resp: 51330

Ion Ratio Lower Upper

107 100

109 96.7 65.6 121.8

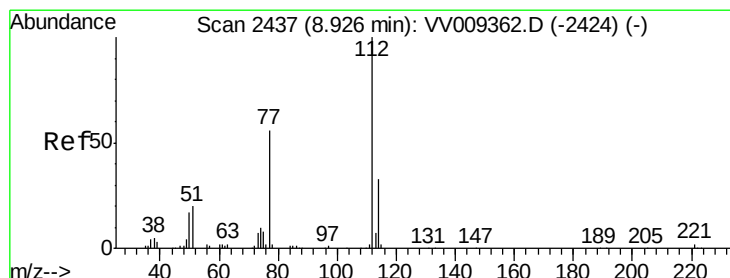
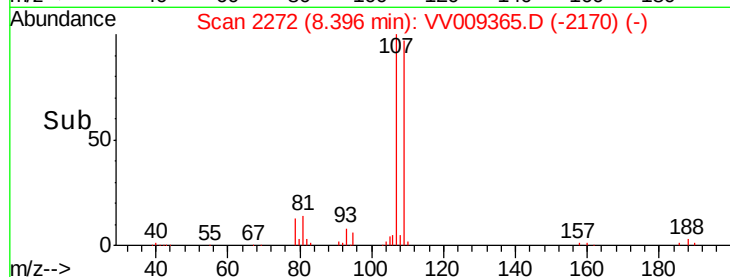
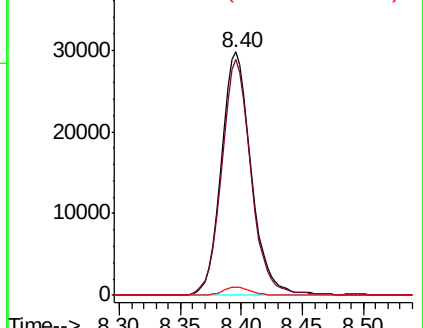
188 3.5 2.3 3.5



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



#52

Chlorobenzene

Concen: 22.880 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

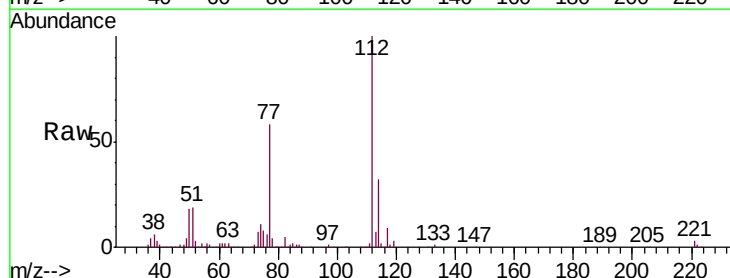
Tgt Ion:112 Resp: 163104

Ion Ratio Lower Upper

112 100

77 58.1 45.0 67.6

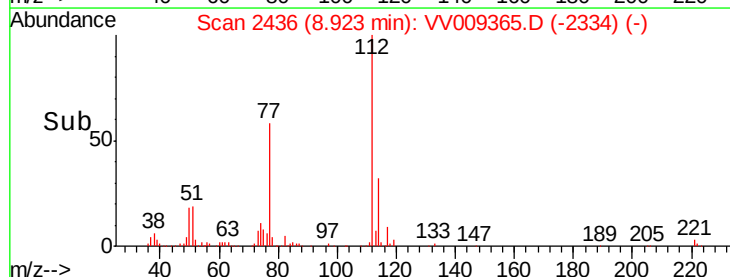
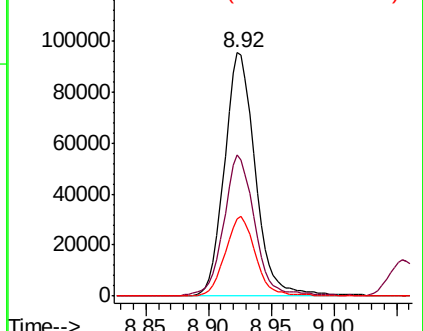
114 31.7 22.9 42.5

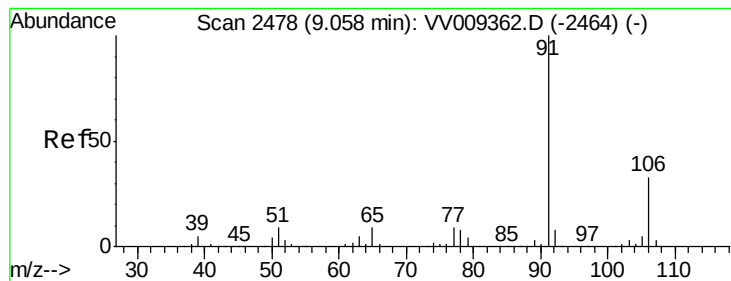


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 22.327 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampled :

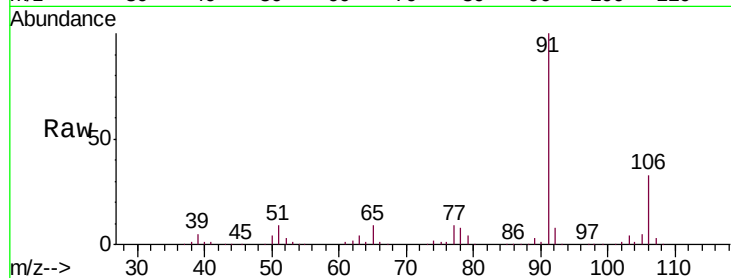
VICV86

Tgt Ion: 91 Resp: 281051

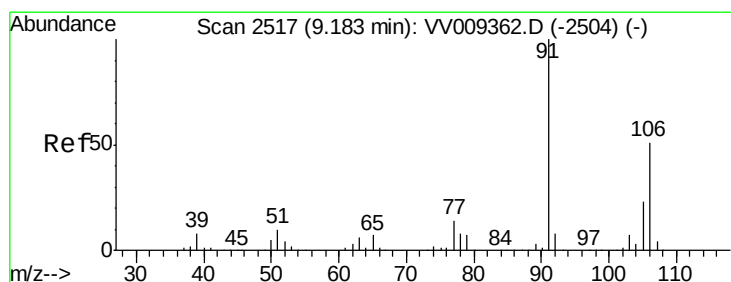
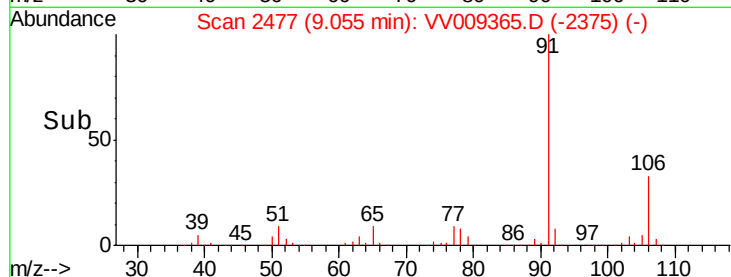
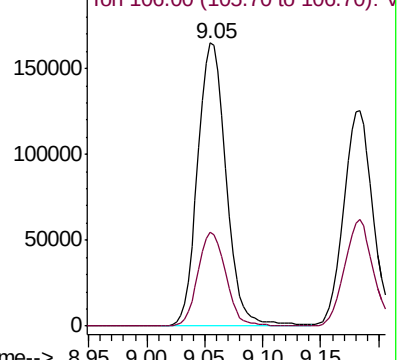
Ion Ratio Lower Upper

91 100

106 33.3 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009365.D (-2375) (-)



#54

m,p-Xylene

Concen: 22.366 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009365.D

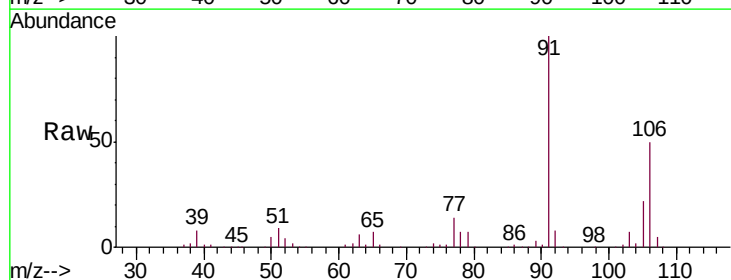
Acq: 26 Feb 2019 12:37

Tgt Ion: 106 Resp: 109670

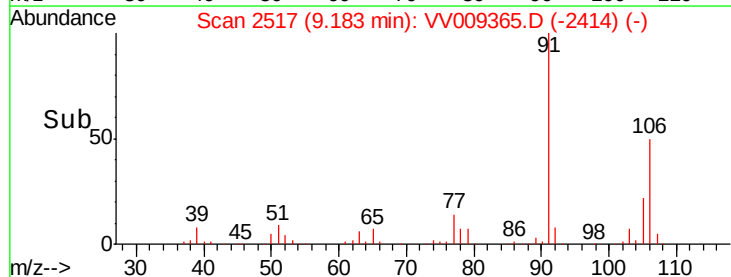
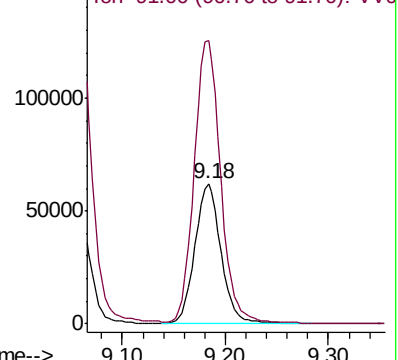
Ion Ratio Lower Upper

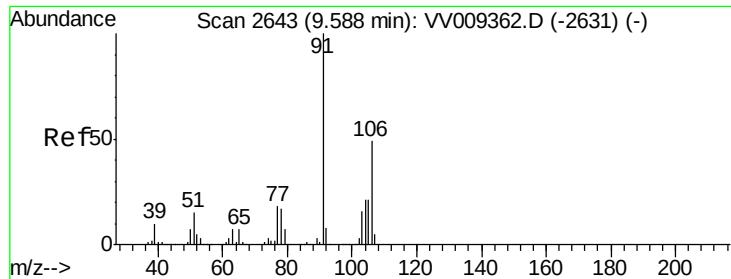
106 100

91 201.3 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009365.D (-2414) (-)





#55

o-xylene

Concen: 22.654 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampled :

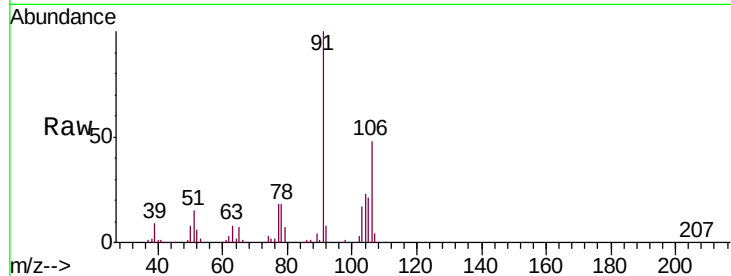
VICV86

Tgt Ion:106 Resp: 105319

Ion Ratio Lower Upper

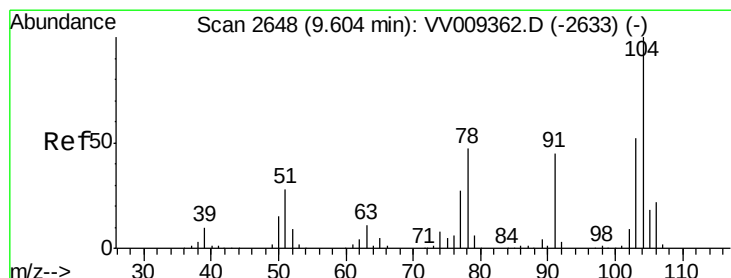
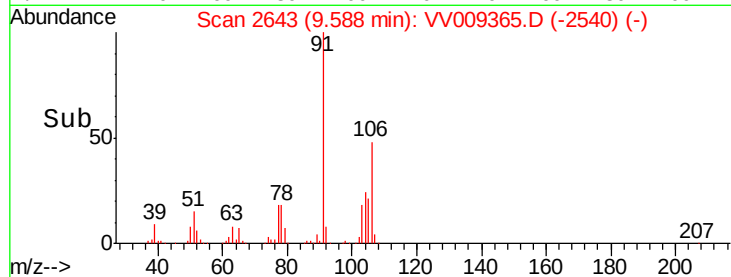
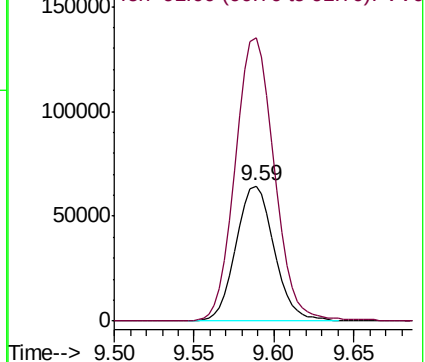
106 100

91 209.4 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): VV009365.D (-2540) (-)

Ion 91.00 (90.70 to 91.70): VV009365.D (-2540) (-)



#56

Styrene

Concen: 22.996 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009365.D

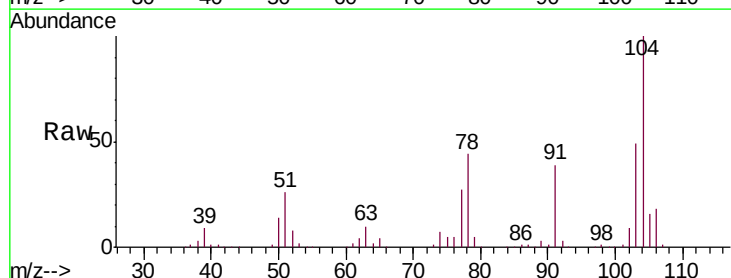
Acq: 26 Feb 2019 12:37

Tgt Ion:104 Resp: 179320

Ion Ratio Lower Upper

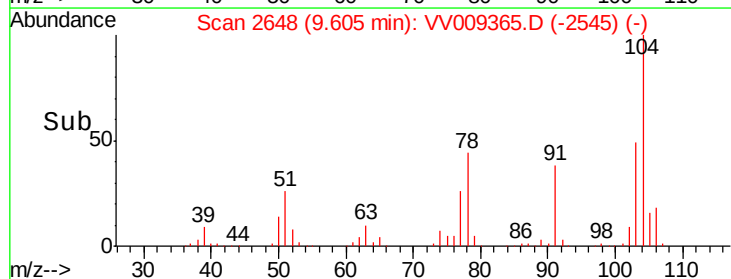
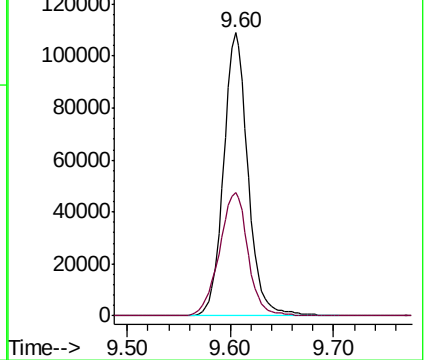
104 100

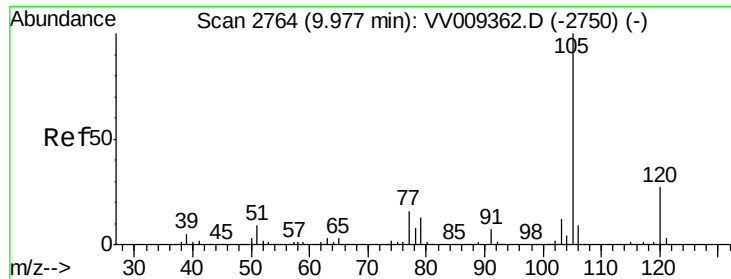
78 43.5 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): VV009365.D (-2545) (-)

Ion 78.00 (77.70 to 78.70): VV009365.D (-2545) (-)





#57

Isopropylbenzene

Concen: 22.306 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VICV86

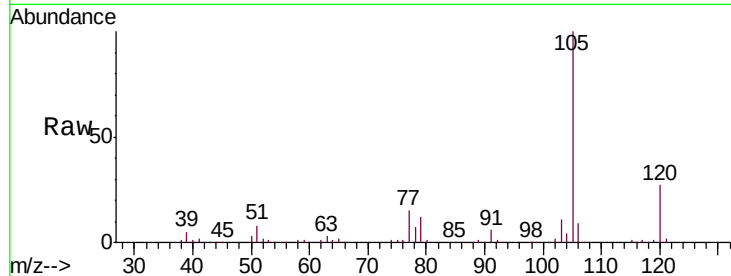
Tgt Ion: 105 Resp: 283315

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

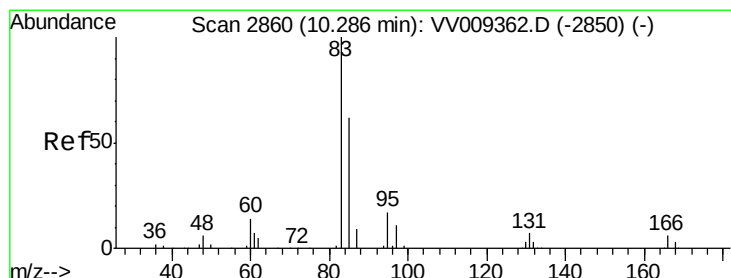
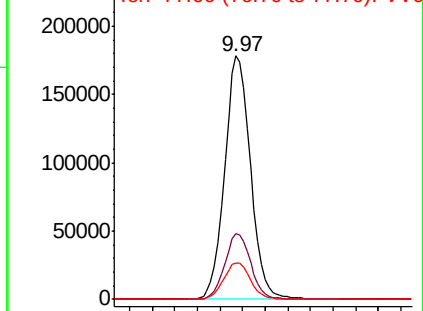
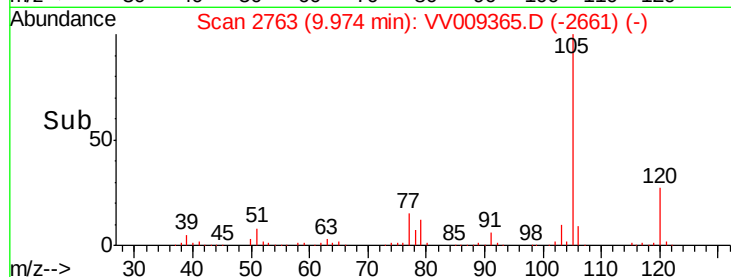
77 15.6 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): VV009365.D (-2661) (-)

Ion 120.00 (119.70 to 120.70): VV009365.D (-2661) (-)

Ion 77.00 (76.70 to 77.70): VV009365.D (-2661) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 25.274 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

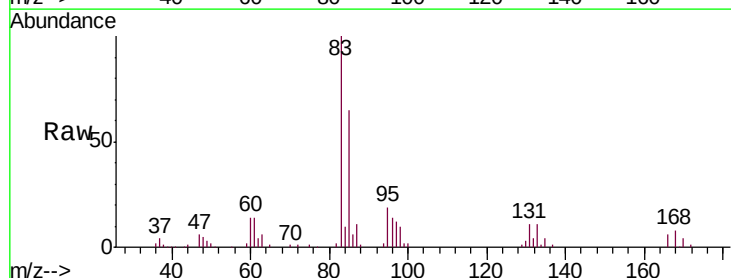
Tgt Ion: 83 Resp: 69399

Ion Ratio Lower Upper

83 100

85 64.7 44.7 83.1

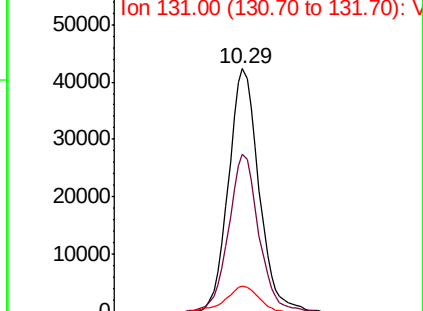
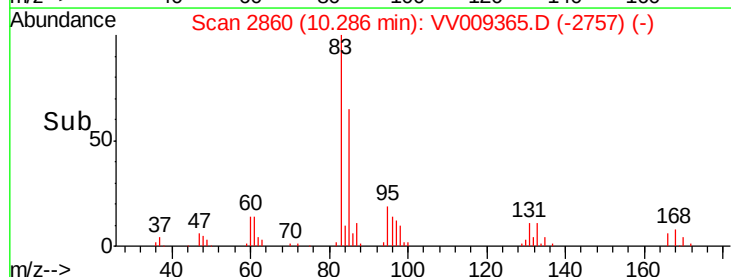
131 10.7 7.0 10.6#

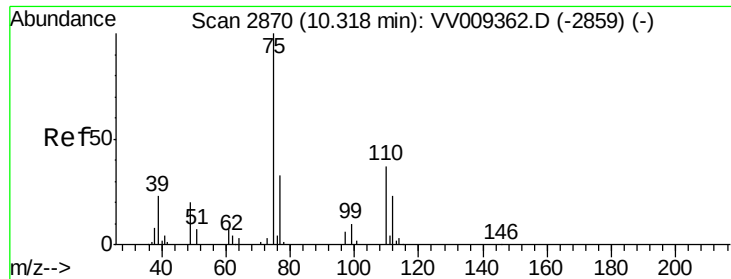


Abundance Ion 83.00 (82.70 to 83.70): VV009365.D (-2757) (-)

Ion 85.00 (84.70 to 85.70): VV009365.D (-2757) (-)

Ion 131.00 (130.70 to 131.70): VV009365.D (-2757) (-)





#59

1,2,3-Trichloropropane

Concen: 26.433 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

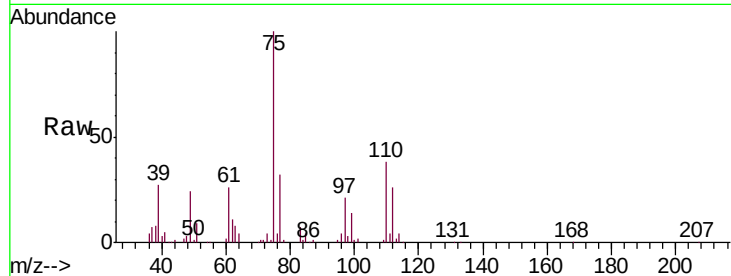
VICV86

Tgt Ion: 75 Resp: 51696

Ion Ratio Lower Upper

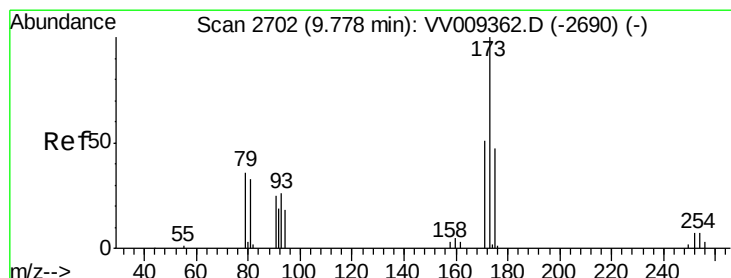
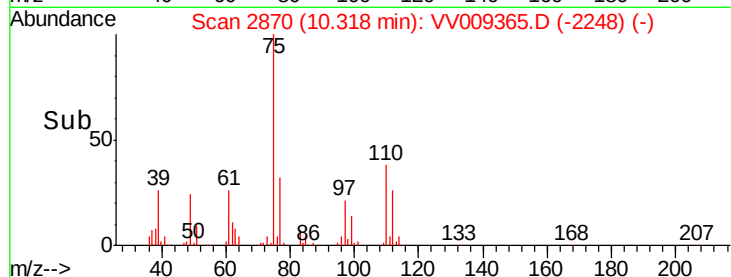
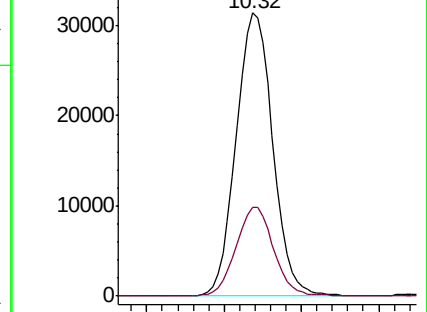
75 100

77 31.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV009362.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009362.D (-2859) (-)



#62

Bromoform

Concen: 26.163 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

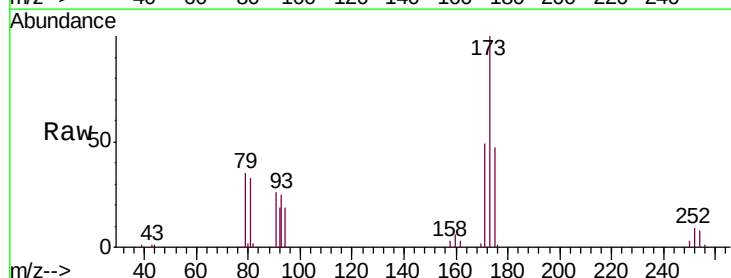
Tgt Ion: 173 Resp: 38246

Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

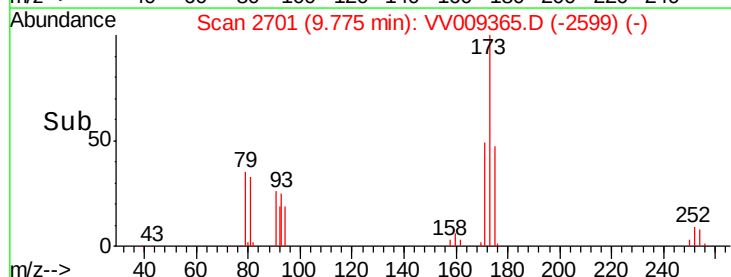
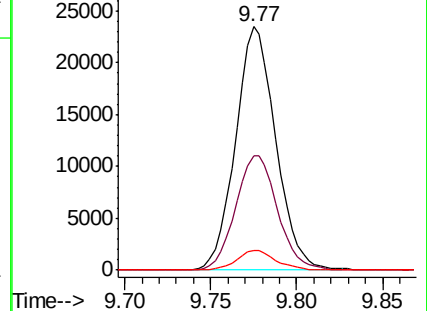
254 7.7 5.8 8.8

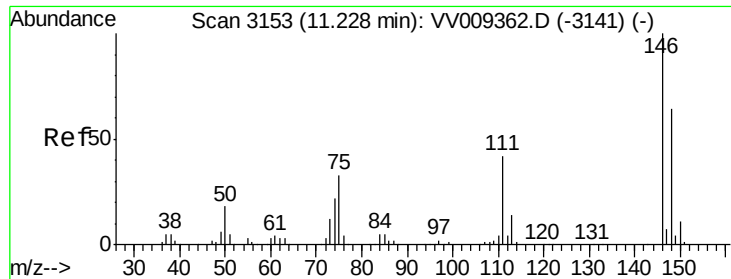


Abundance Ion 173.00 (172.70 to 173.70): VV009362.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009362.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009362.D (-2690) (-)





#63

1,3-Dichlorobenzene

Concen: 24.571 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VICV86

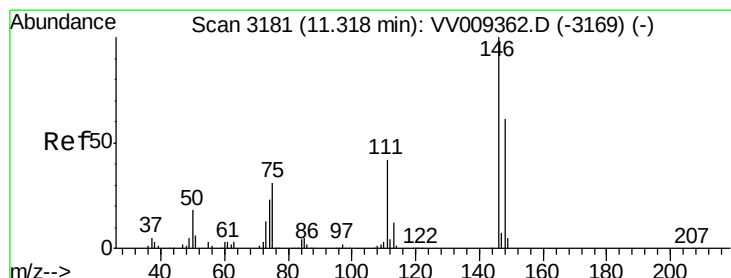
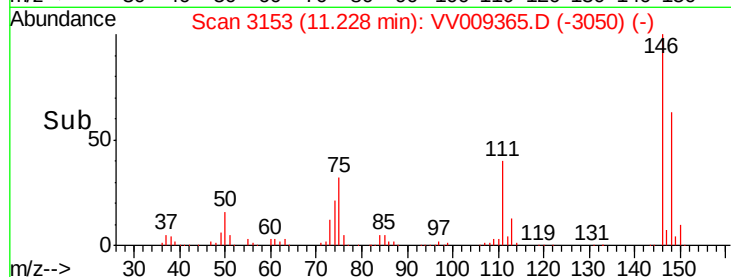
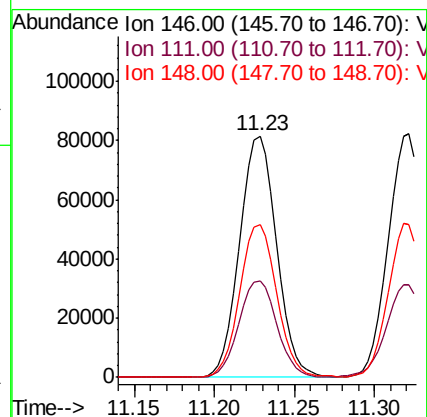
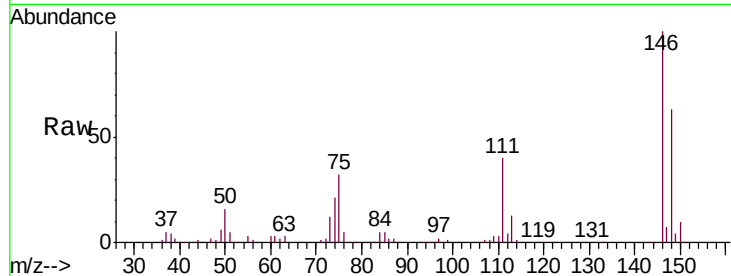
Tgt Ion:146 Resp: 128437

Ion Ratio Lower Upper

146 100

111 39.7 29.6 55.0

148 63.0 44.8 83.2



#64

1,4-Dichlorobenzene

Concen: 24.868 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

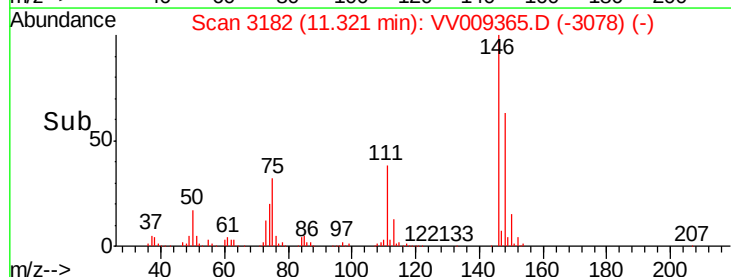
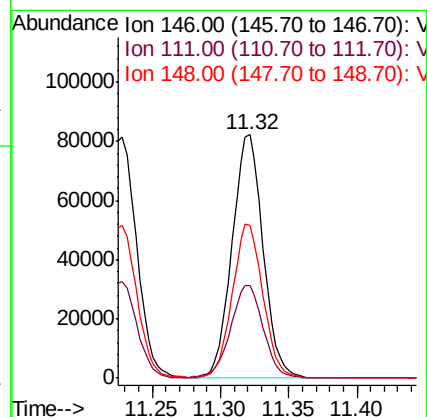
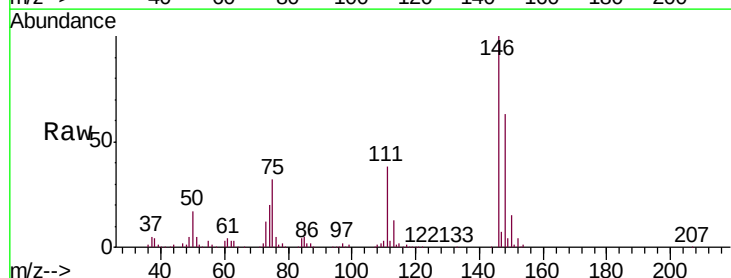
Tgt Ion:146 Resp: 129746

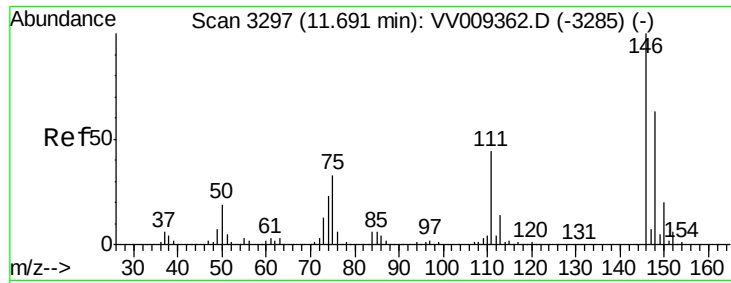
Ion Ratio Lower Upper

146 100

111 38.2 29.2 54.2

148 62.8 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 24.926 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampled :

VICV86

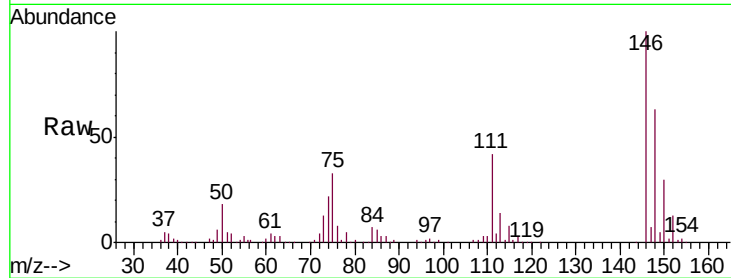
Tgt Ion:146 Resp: 122416

Ion Ratio Lower Upper

146 100

111 41.6 35.4 53.0

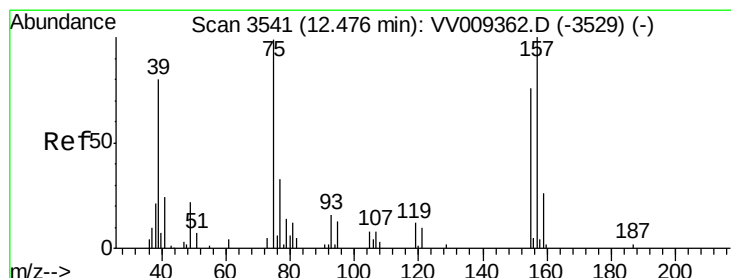
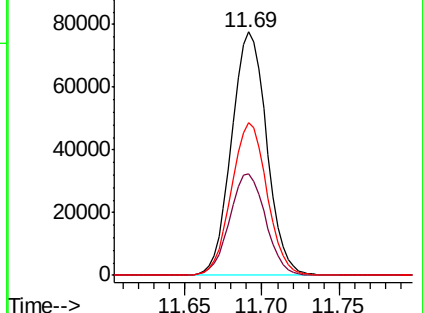
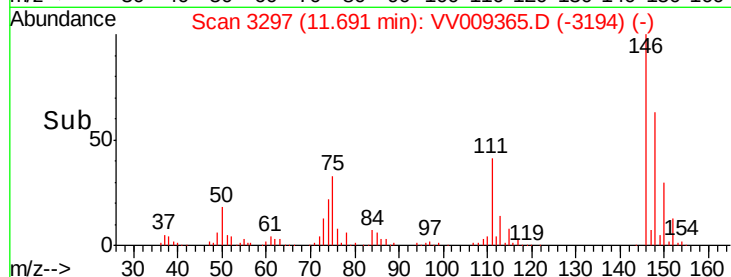
148 62.6 50.6 76.0



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: 29.411 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

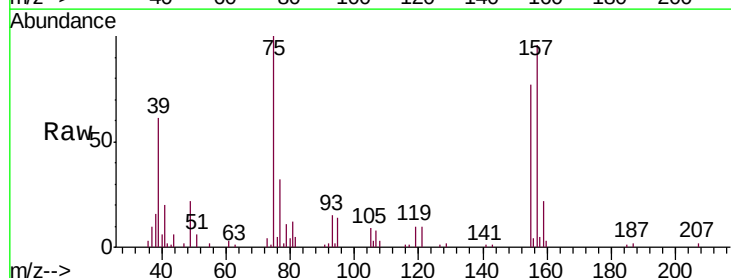
Tgt Ion: 75 Resp: 14262

Ion Ratio Lower Upper

75 100

157 96.0 81.0 121.4

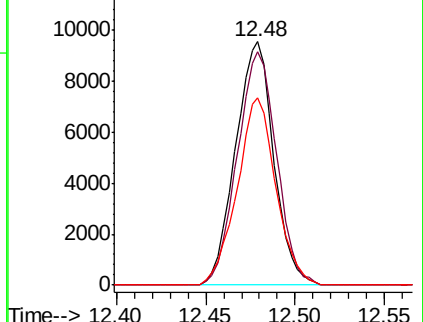
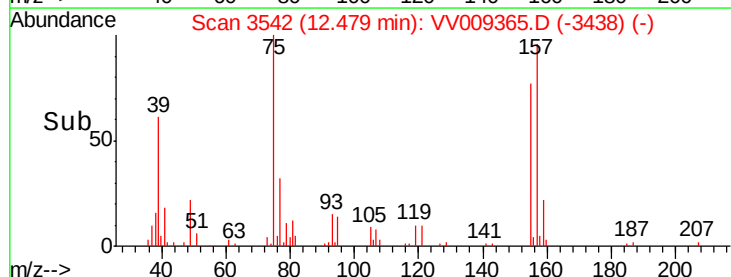
155 76.9 61.2 91.8

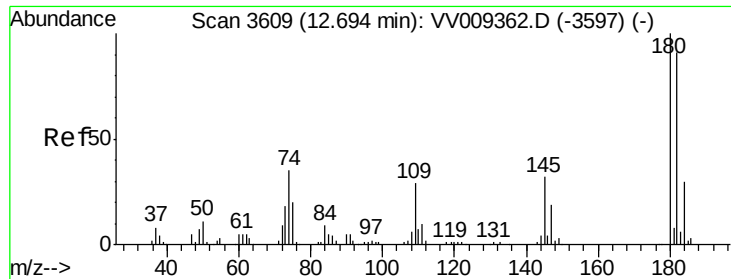


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

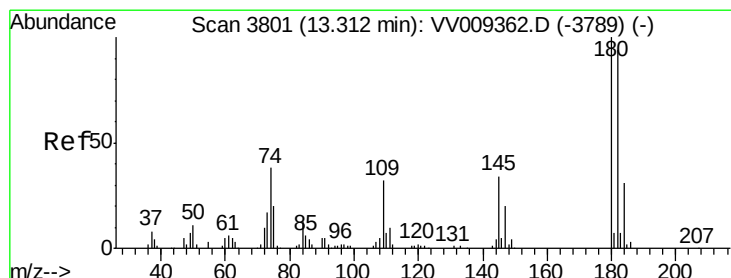
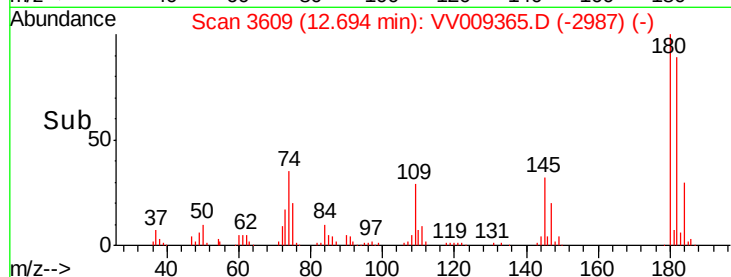
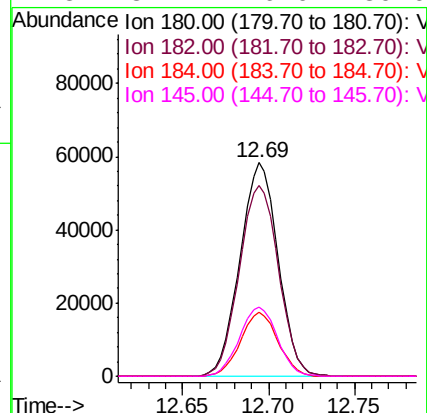
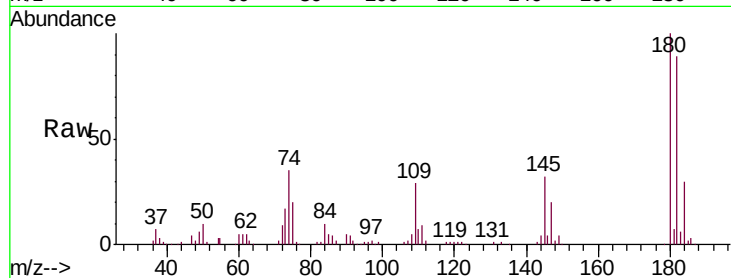




#67
 1,3,5-Trichlorobenzene
 Concen: 24.258 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

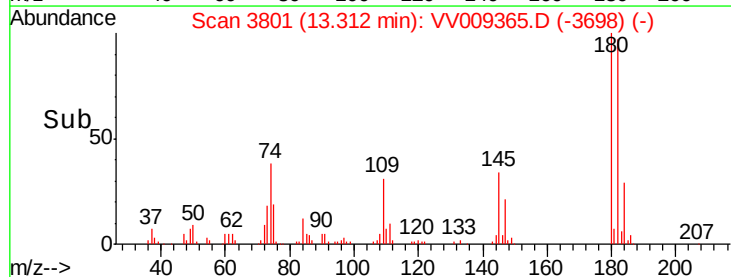
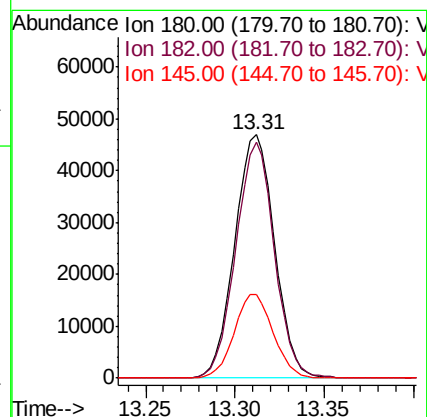
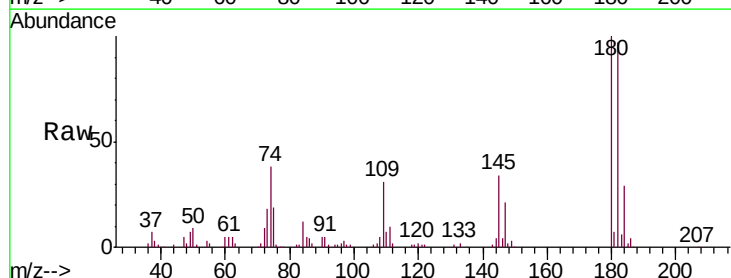
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV86

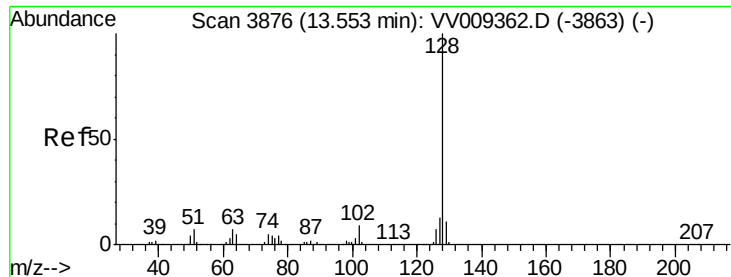
Tgt Ion:180 Resp: 89531
 Ion Ratio Lower Upper
 180 100
 182 92.3 75.4 113.2
 184 29.5 23.9 35.9
 145 32.4 26.0 39.0



#68
 1,2,4-trichlorobenzene
 Concen: 25.565 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009365.D
 Acq: 26 Feb 2019 12:37

Tgt Ion:180 Resp: 73250
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.9 113.9
 145 33.7 26.2 39.4





#69

Naphthalene

Concen: 30.005 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VICV86

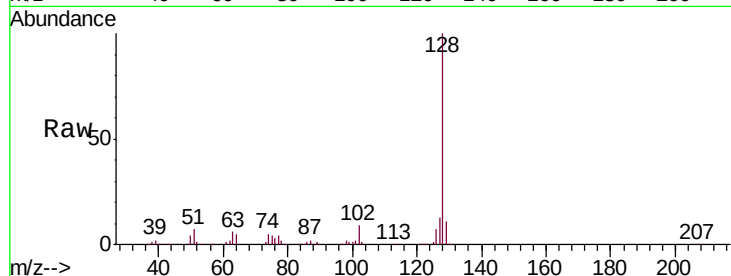
Tgt Ion:128 Resp: 174076

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

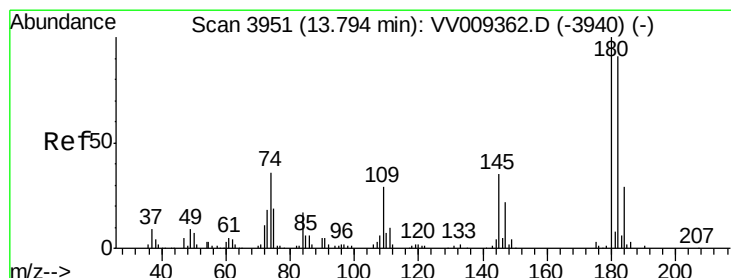
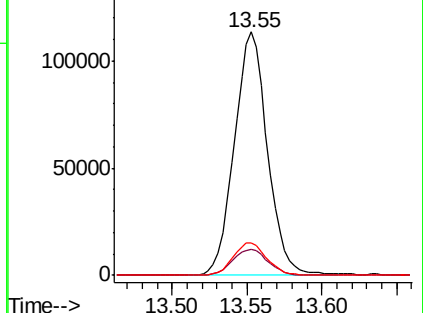
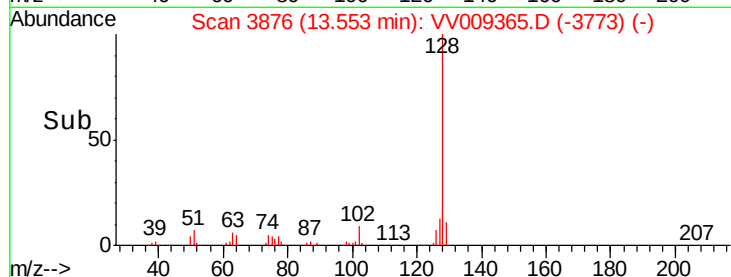
127 13.8 10.6 16.0



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: 25.459 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009365.D

Acq: 26 Feb 2019 12:37

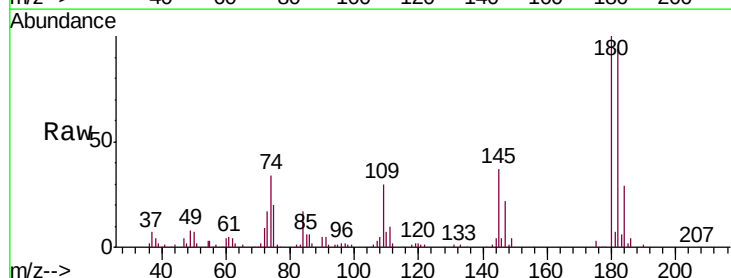
Tgt Ion:180 Resp: 67618

Ion Ratio Lower Upper

180 100

182 93.6 74.2 111.2

145 35.9 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

