

Data File : VV009412.D
Acq On : 27 Feb 2019 21:22
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02590

Quant Time: Feb 28 04:38:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 28 04:32:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	191089	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	184873	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90553	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47605	19.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.20%
7) Chloroethane-d5	1.58	69	71869	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.96%
10) 1,1-Dichloroethene-d2	2.13	63	133498	21.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.00%
20) 2-Butanone-d5	3.95	46	36564	50.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.96%
24) Chloroform-d	4.40	84	118375	25.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.16%
26) 1,2-Dichloroethane-d4	5.08	65	67896	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.92%
29) Benzene-d6	5.10	84	235531	23.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.88%
33) 1,2-Dichloropropane-d6	6.12	67	71635	24.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.48%
37) Toluene-d8	7.36	98	228601	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.00%
38) trans-1,3-Dichloropropene-	7.66	79	35226	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.88%
39) 2-Hexanone-d5	8.14	63	29189	47.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	72568	25.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	86291	25.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	56334	23.289 ug/L	98
3) Chloromethane	1.25	50	61672	24.021 ug/L	100
5) Vinyl chloride	1.32	62	65622	23.005 ug/L	100
6) Bromomethane	1.53	94	80596	26.271 ug/L	100
8) Chloroethane	1.59	64	70914	29.155 ug/L	97
9) Trichlorofluoromethane	1.76	101	136081	23.659 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	74333	23.291 ug/L	97
12) 1,1-Dichloroethene	2.14	96	62501	22.776 ug/L	88
13) Acetone	2.21	43	35081	42.365 ug/L	98
14) Carbon disulfide	2.31	76	173313	24.308 ug/L	98
15) Methyl Acetate	2.47	43	30775	28.126 ug/L	97
16) Methylene chloride	2.53	84	74714	28.867 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	168751	28.260 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	62473	26.193 ug/L	98
19) 1,1-Dichloroethane	3.23	63	113959	26.895 ug/L	96
21) 2-Butanone	4.03	43	47646	46.173 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	78952	29.443 ug/L	95

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Quant Title : VOC Analysis
QLast Update : Thu Feb 28 04:32:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	35794	29.744	ug/L	90
25) Chloroform	4.43	83	128227	27.808	ug/L	97
27) 1,2-Dichloroethane	5.18	62	91962	28.831	ug/L	96
30) Cyclohexane	4.72	56	103567	23.649	ug/L	94
31) 1,1,1-Trichloroethane	4.66	97	111059	25.294	ug/L	98
32) Carbon tetrachloride	4.87	117	94470	25.228	ug/L	100
34) Benzene	5.14	78	269183	26.115	ug/L	100
35) Trichloroethene	5.96	95	72661	25.466	ug/L	95
36) Methylcyclohexane	6.18	83	119046	23.896	ug/L	98
40) 1,2-Dichloropropane	6.22	63	72817	28.436	ug/L	99
41) Bromodichloromethane	6.56	83	100727	27.660	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	114426	28.123	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	101083	55.213	ug/L	99
44) Toluene	7.43	91	307746	26.694	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	103522	28.065	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	60904	28.794	ug/L	94
47) Tetrachloroethene	8.02	164	55977	26.487	ug/L	96
49) 2-Hexanone	8.19	43	72923	47.704	ug/L	99
50) Dibromochloromethane	8.29	129	76886	29.060	ug/L	98
51) 1,2-Dibromoethane	8.40	107	60504	28.414	ug/L #	98
52) Chlorobenzene	8.93	112	207810	27.829	ug/L	99
53) Ethylbenzene	9.05	91	345218	26.181	ug/L	100
54) m,p-Xylene	9.18	106	135981	26.474	ug/L	100
55) o-xylene	9.59	106	135008	27.723	ug/L	100
56) Styrene	9.60	104	227319	27.829	ug/L	99
57) Isopropylbenzene	9.97	105	349754	26.288	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	79281	27.564	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	56805	27.729	ug/L	97
62) Bromoform	9.77	173	44997	27.680	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	160638	27.636	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	159666	27.520	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	152933	28.003	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	14735	27.325	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	112531	27.418	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	91927	28.851	ug/L	99
69) Naphthalene	13.55	128	183888	28.503	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	87368	29.581	ug/L	99

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

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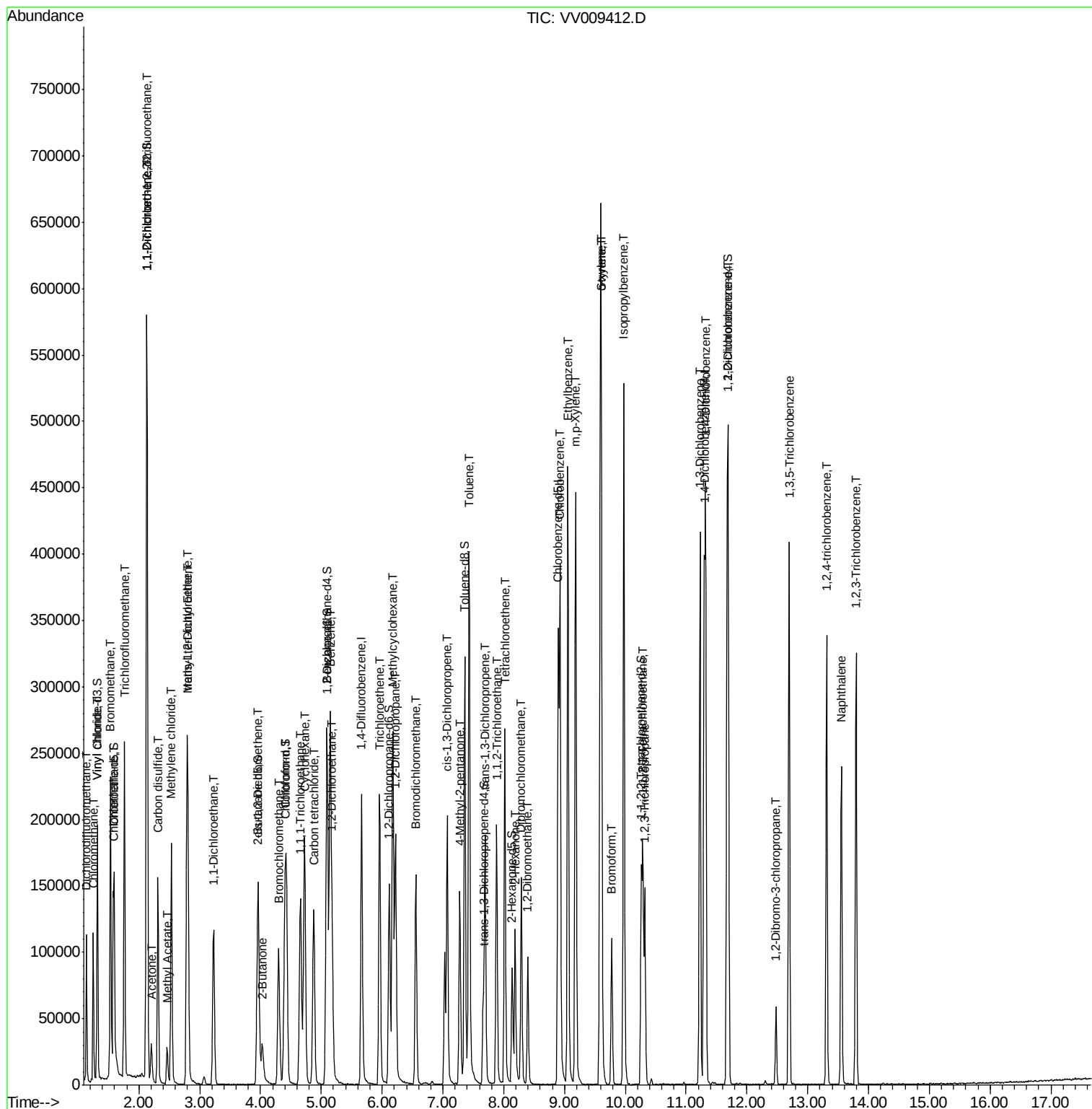
Quant Time: Feb 28 04:38:10 2019

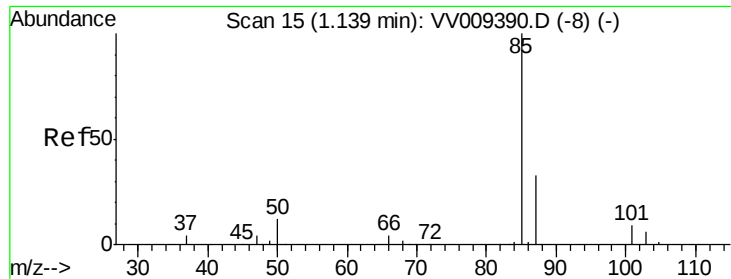
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM022619S.M

Quant Title : VOC Analysis

QLast Update : Thu Feb 28 04:32:57 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.289 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

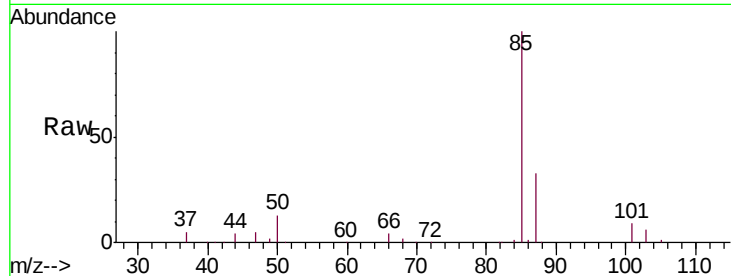
VSTD02590

Tgt Ion: 85 Resp: 56334

Ion Ratio Lower Upper

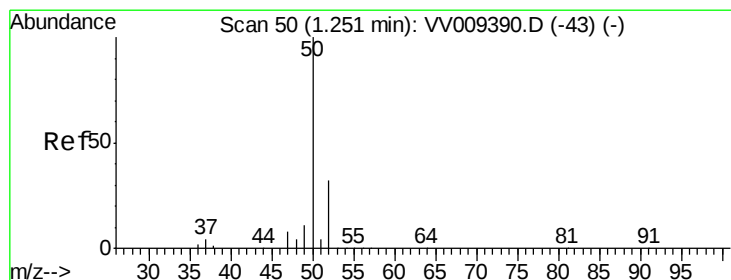
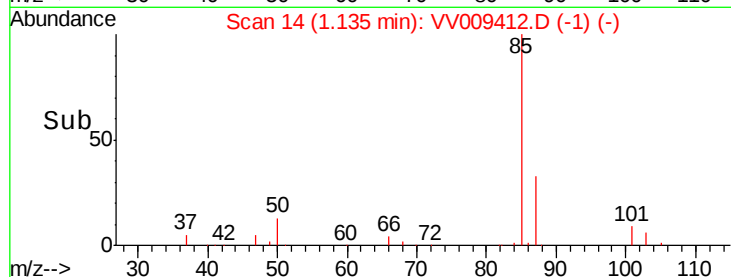
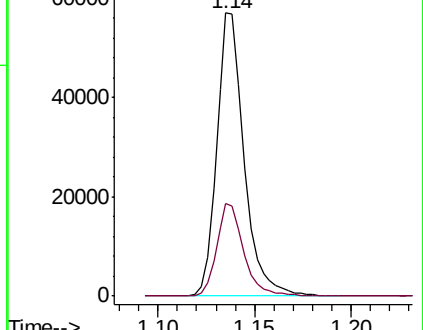
85 100

87 32.3 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009390.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009390.D (-8) (-)



#3

Chloromethane

Concen: 24.021 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009412.D

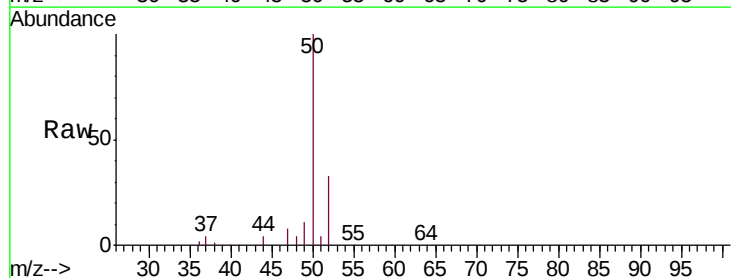
Acq: 27 Feb 2019 21:22

Tgt Ion: 50 Resp: 61672

Ion Ratio Lower Upper

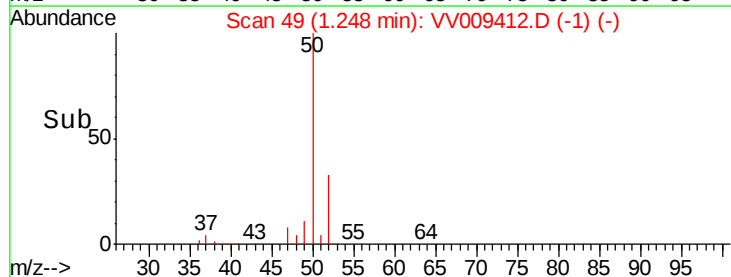
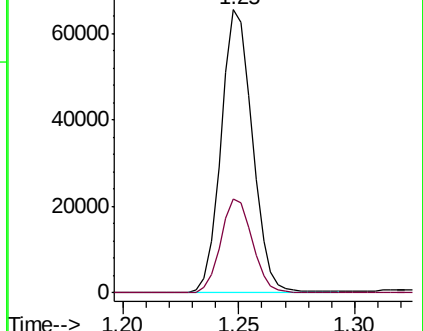
50 100

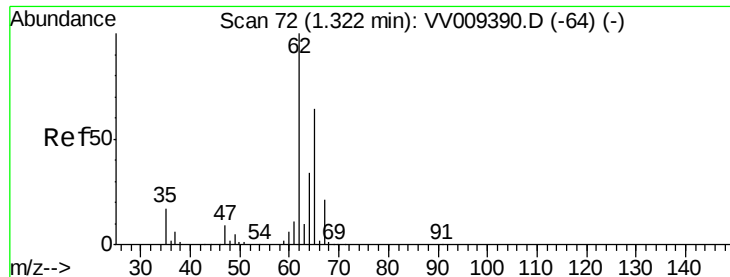
52 33.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009390.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009390.D (-43) (-)





#5

Vinyl chloride

Concen: 23.005 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

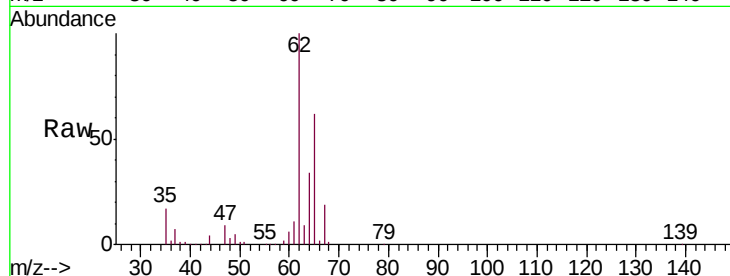
VSTD02590

Tgt Ion: 62 Resp: 65622

Ion Ratio Lower Upper

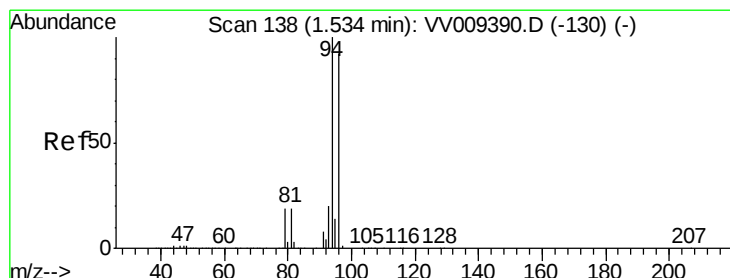
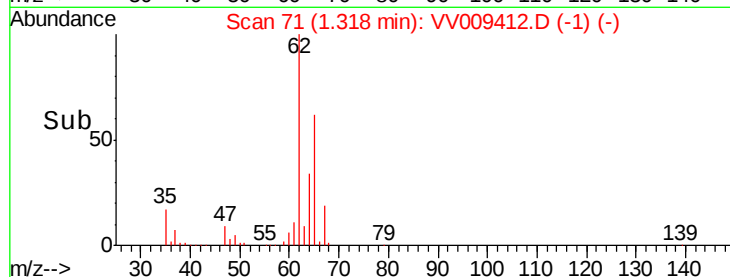
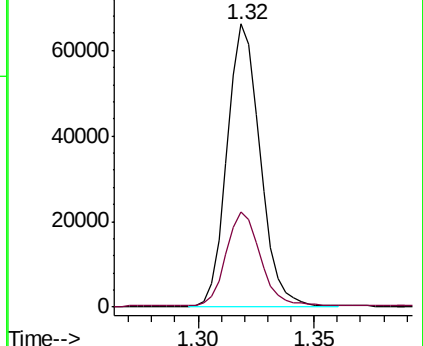
62 100

64 33.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV009390.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV009390.D (-64) (-)



#6

Bromomethane

Concen: 26.271 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV009412.D

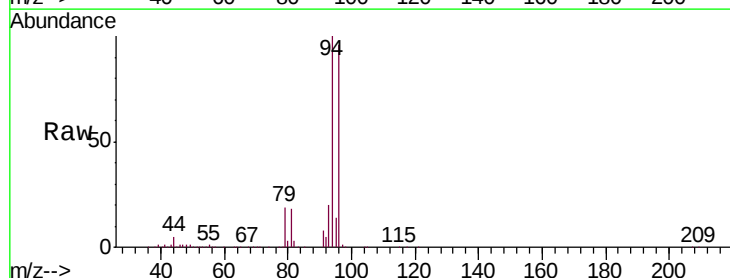
Acq: 27 Feb 2019 21:22

Tgt Ion: 94 Resp: 80596

Ion Ratio Lower Upper

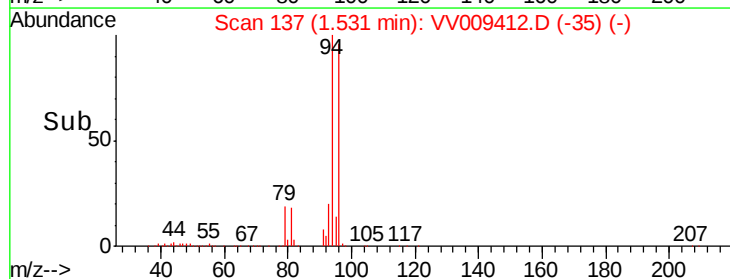
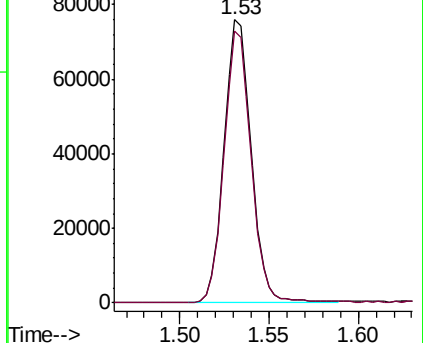
94 100

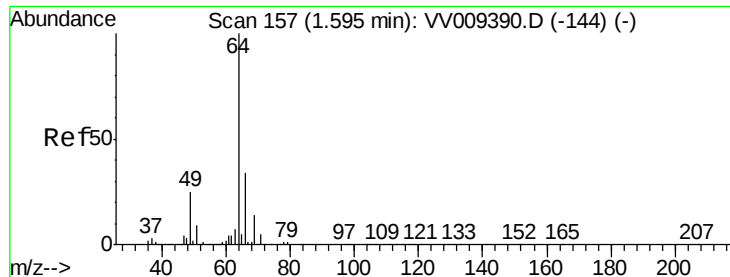
96 95.6 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV009390.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009390.D (-130) (-)

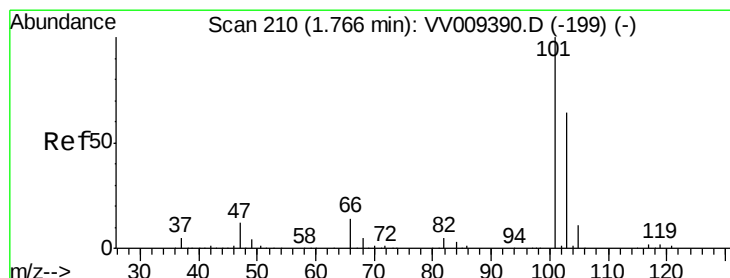
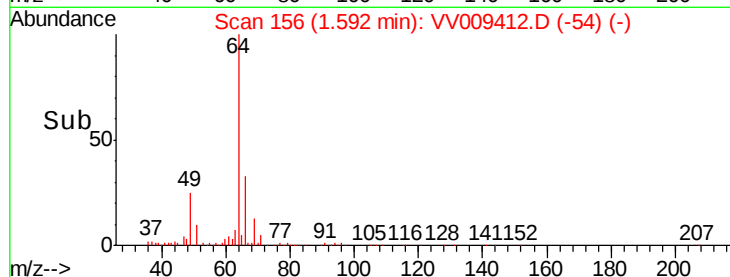
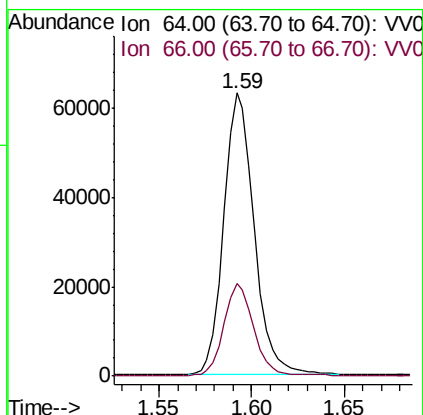
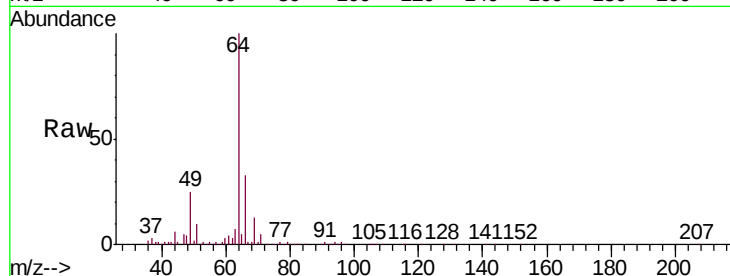




#8
Chloroethane
Concen: 29.155 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

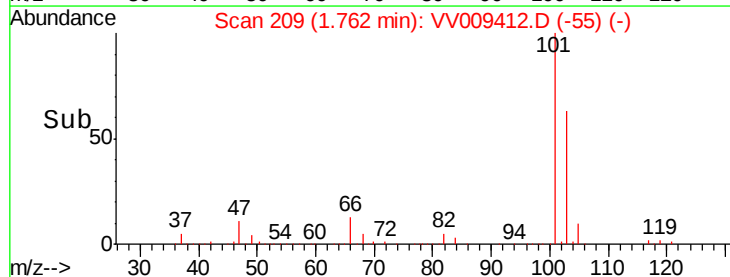
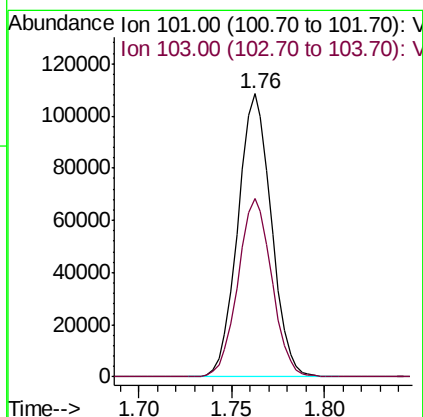
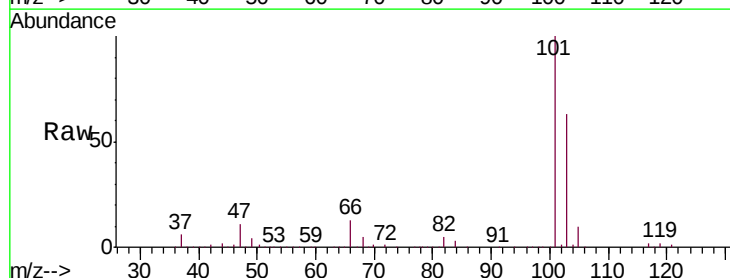
Instrument :
MSVOA_V
ClientSampleId :
VSTD02590

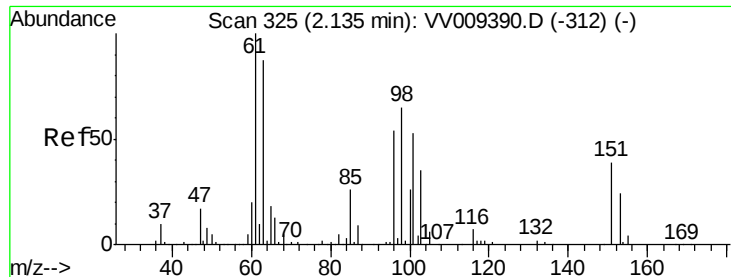
Tgt Ion: 64 Resp: 70914
Ion Ratio Lower Upper
64 100
66 32.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 23.659 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 101 Resp: 136081
Ion Ratio Lower Upper
101 100
103 63.8 44.7 83.1





#11

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

Concen: 23.291 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD02590

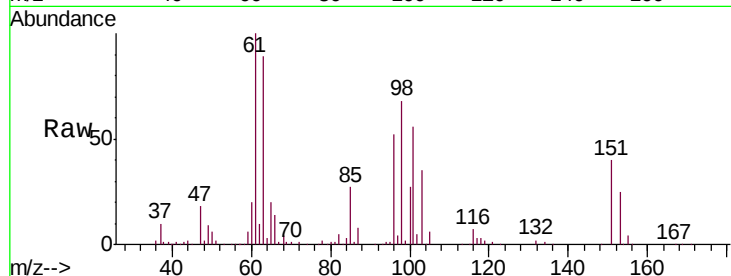
Tgt Ion:101 Resp: 74333

Ion Ratio Lower Upper

101 100

85 48.6 40.1 60.1

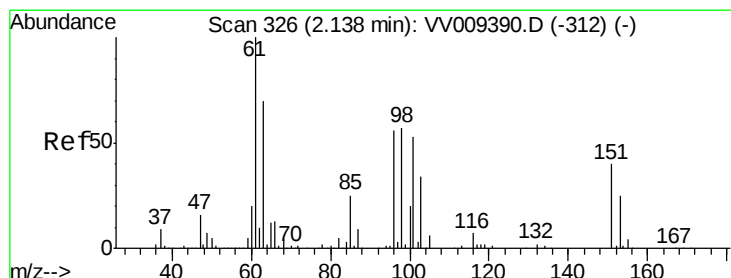
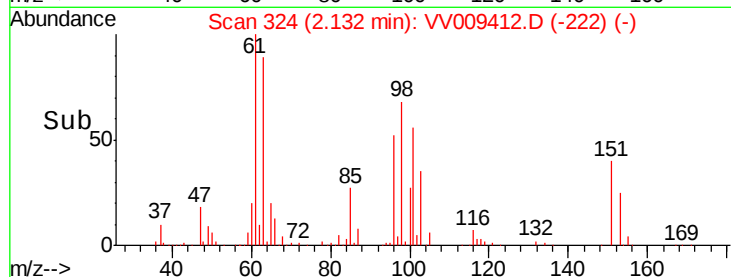
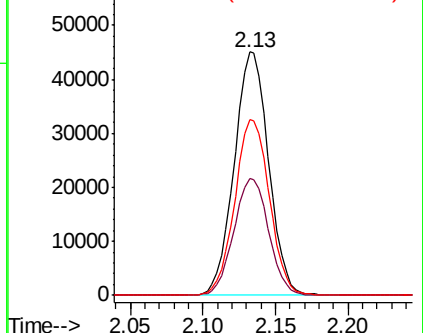
151 72.8 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009390.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009390.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009390.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 22.776 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

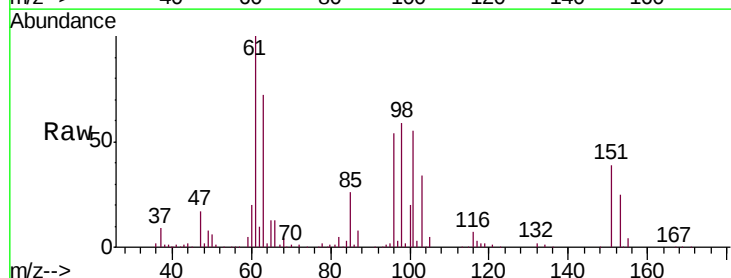
Tgt Ion: 96 Resp: 62501

Ion Ratio Lower Upper

96 100

61 183.9 136.9 254.3

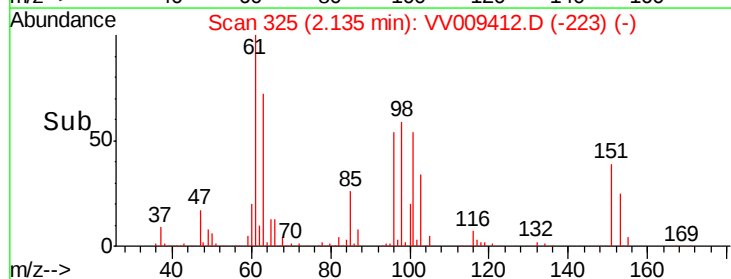
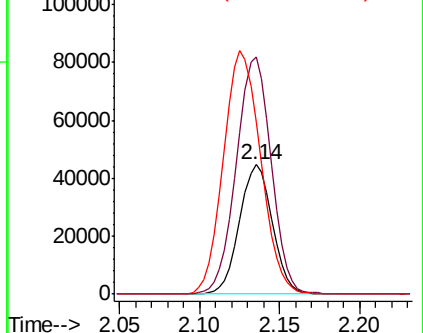
63 132.8 108.7 201.9

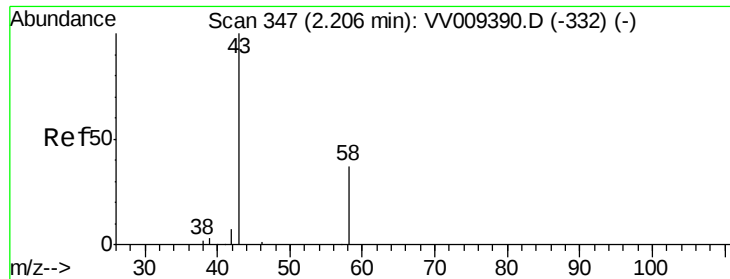


Abundance Ion 96.00 (95.70 to 96.70): VV009412.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009412.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV009412.D (-223) (-)





#13

Acetone

Concen: 42.365 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

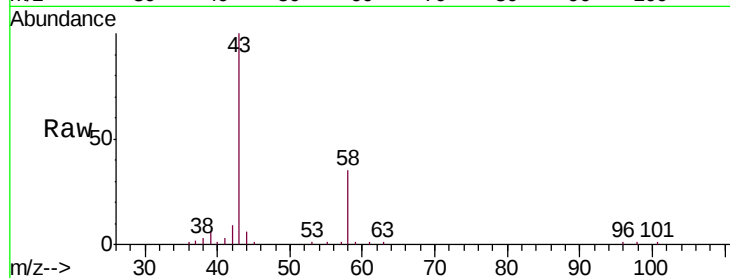
VSTD02590

Tgt Ion: 43 Resp: 35081

Ion Ratio Lower Upper

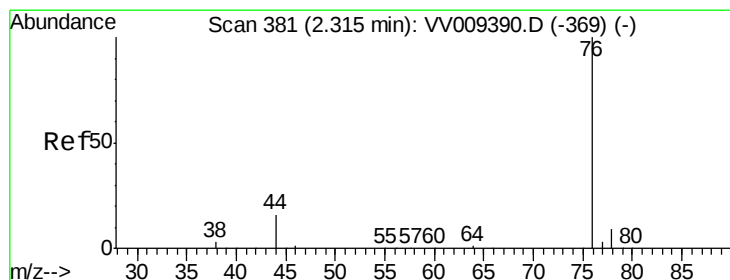
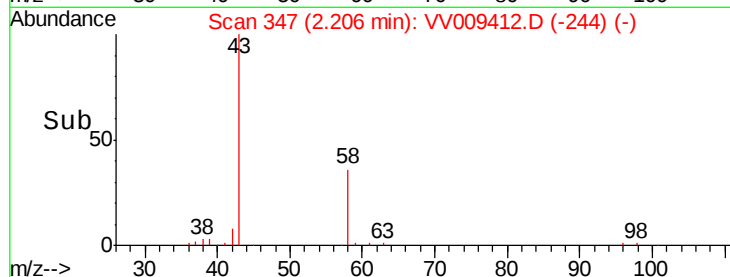
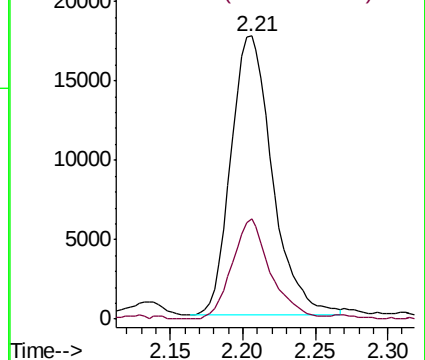
43 100

58 33.4 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 24.308 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009412.D

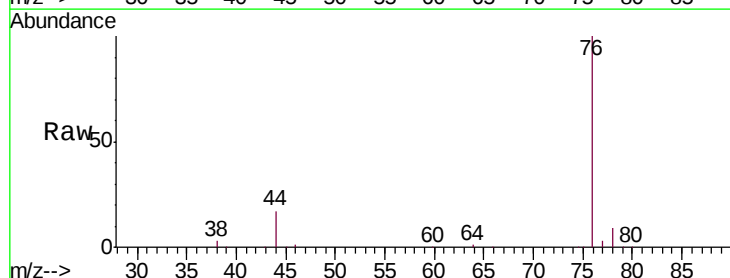
Acq: 27 Feb 2019 21:22

Tgt Ion: 76 Resp: 173313

Ion Ratio Lower Upper

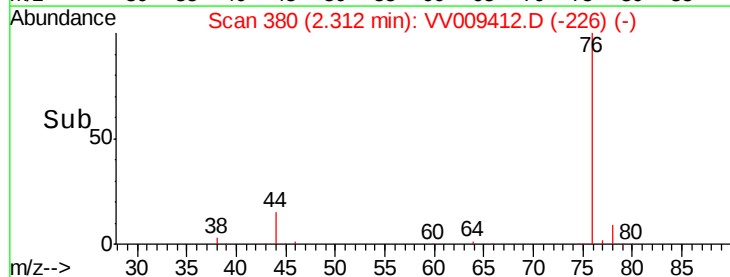
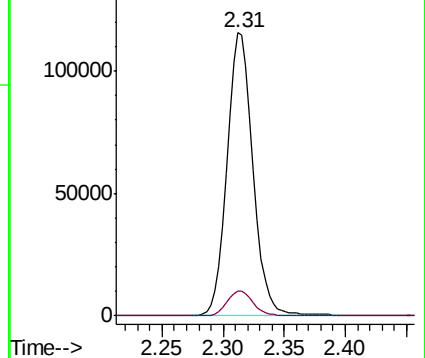
76 100

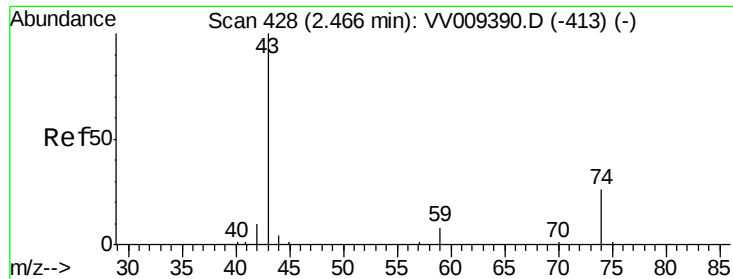
78 8.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

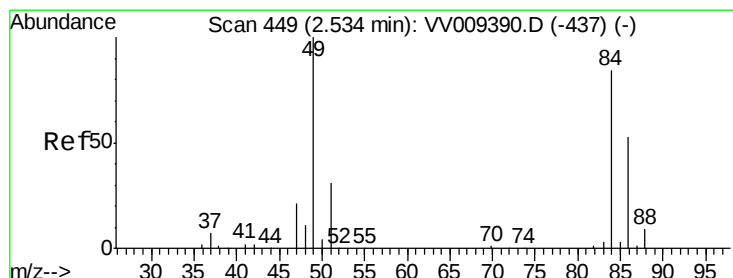
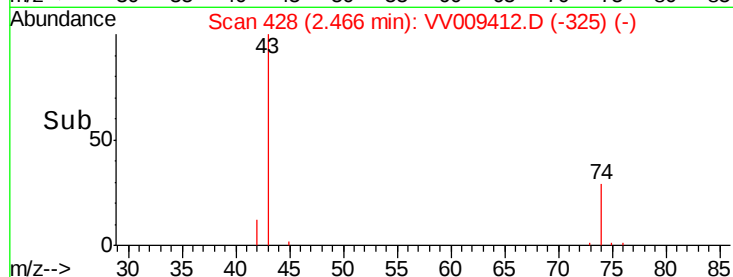
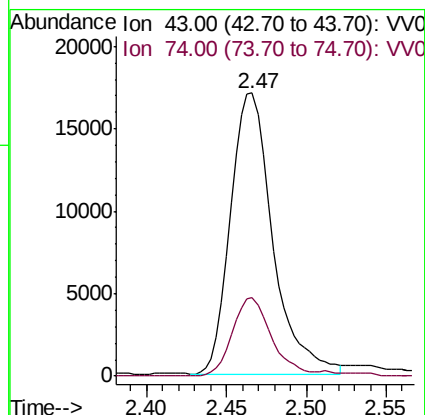
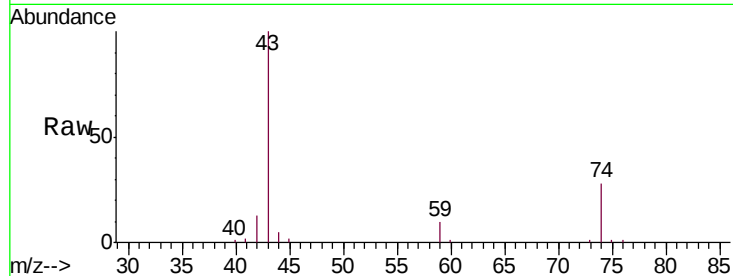




#15
Methyl Acetate
Concen: 28.126 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

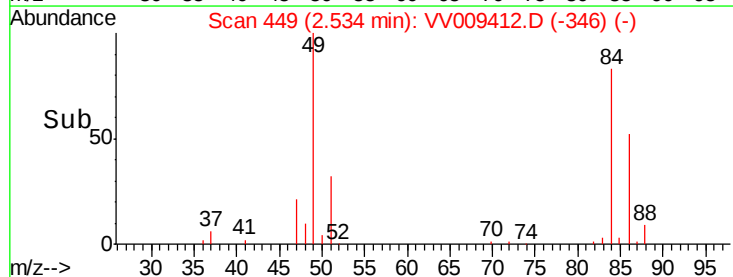
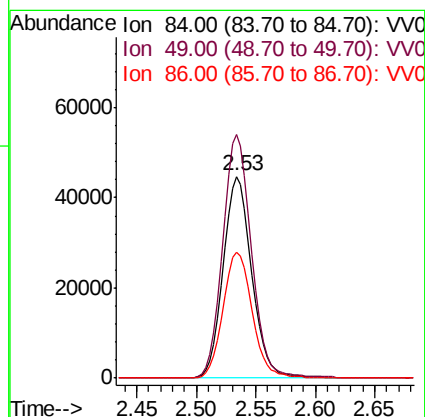
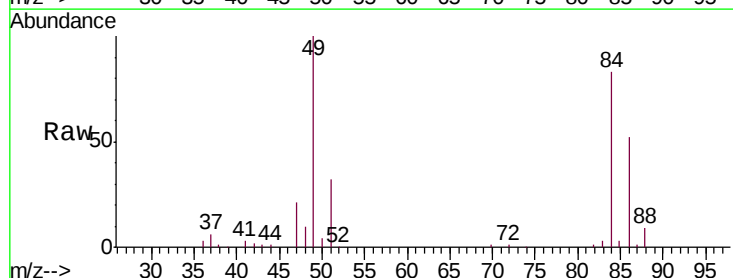
Instrument :
MSVOA_V
ClientSampleId :
VSTD02590

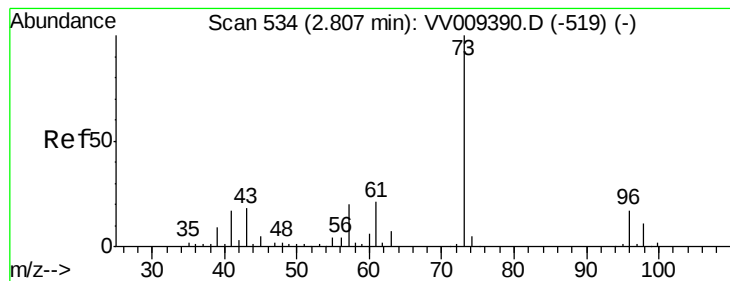
Tgt Ion: 43 Resp: 30775
Ion Ratio Lower Upper
43 100
74 25.7 21.8 32.8



#16
Methylene chloride
Concen: 28.867 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 84 Resp: 74714
Ion Ratio Lower Upper
84 100
49 120.9 84.6 157.0
86 62.8 46.1 85.7



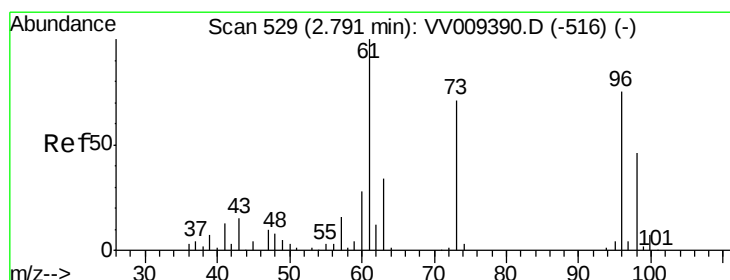
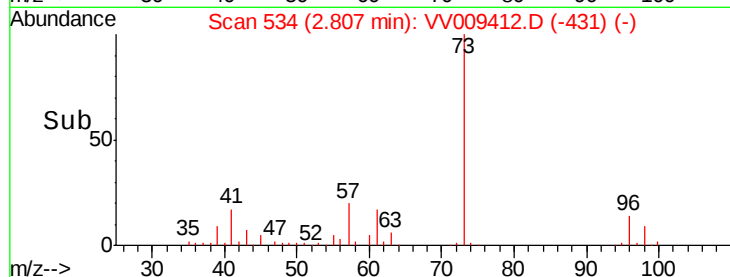
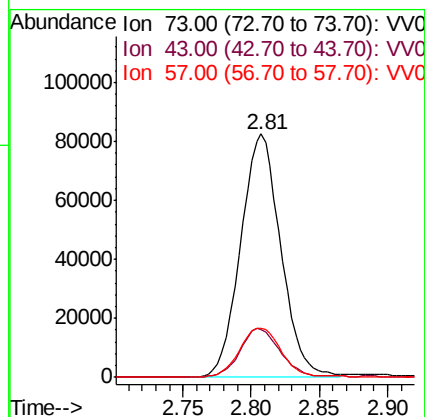
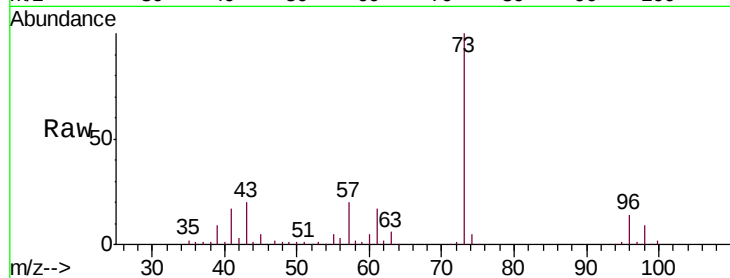


#17

Methyl tert-butyl Ether
 Concen: 28.260 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02590

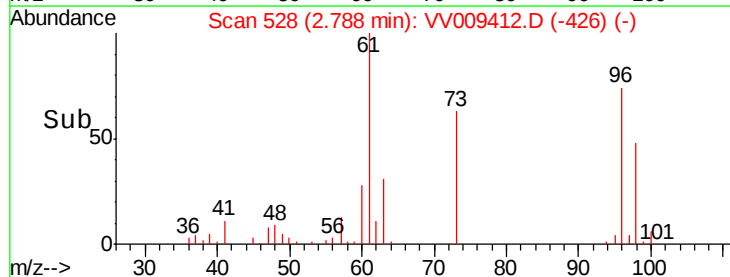
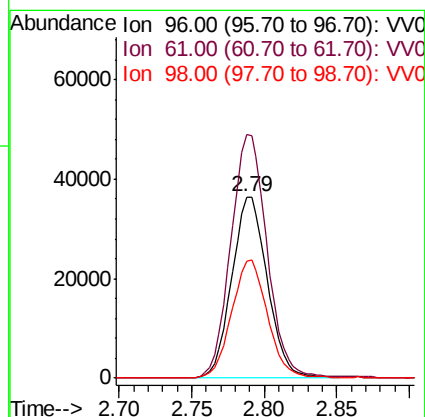
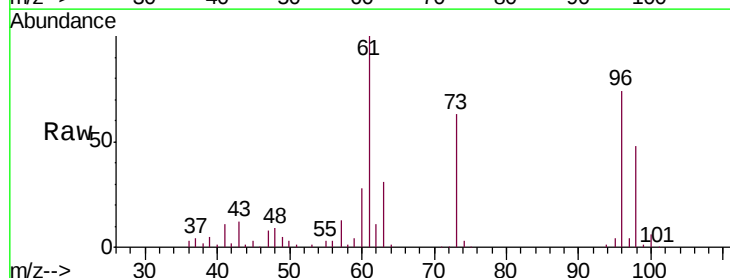
Tgt Ion: 73 Resp: 168751
 Ion Ratio Lower Upper
 73 100
 43 19.8 15.0 22.4
 57 21.0 17.0 25.4

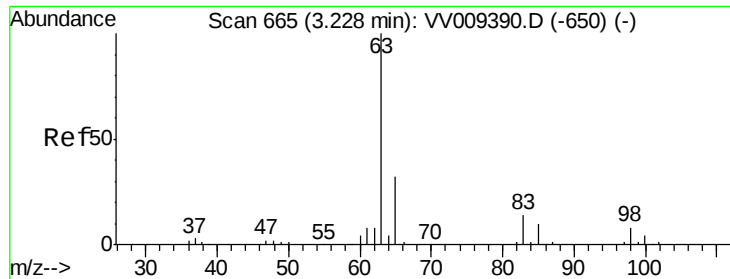


#18

trans-1,2-Dichloroethene
 Concen: 26.193 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

Tgt Ion: 96 Resp: 62473
 Ion Ratio Lower Upper
 96 100
 61 134.5 95.6 177.6
 98 64.5 44.0 81.6

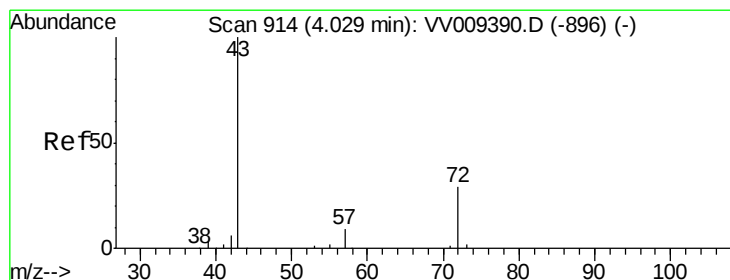
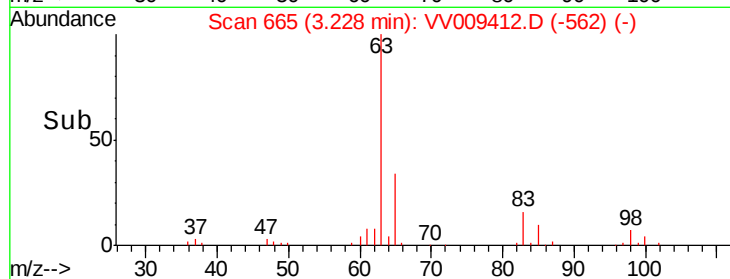
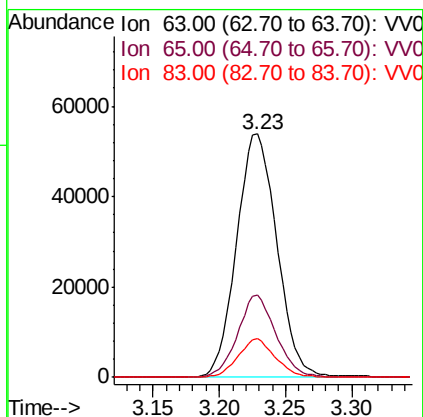
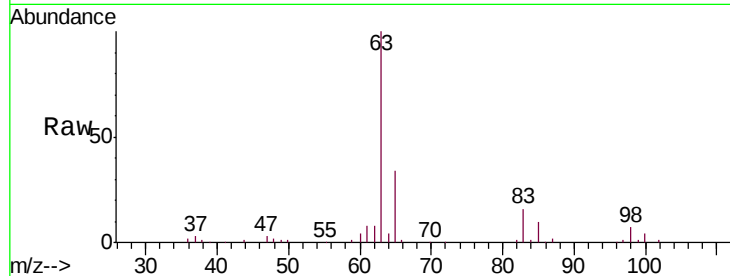




#19
 1,1-Dichloroethane
 Concen: 26.895 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

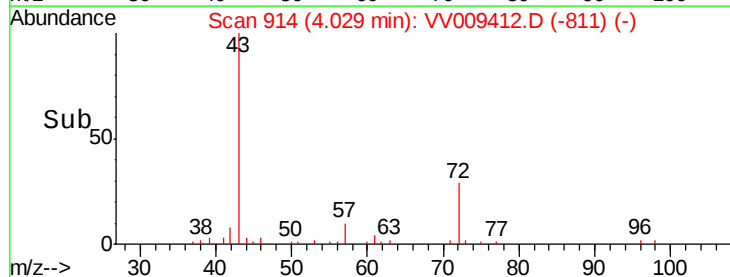
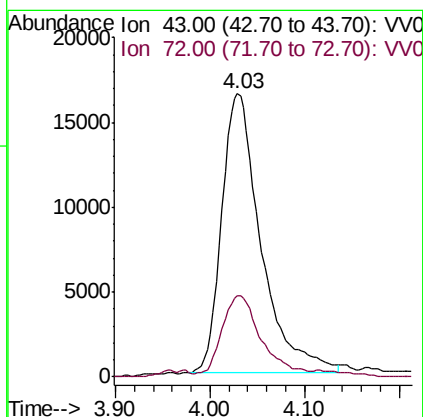
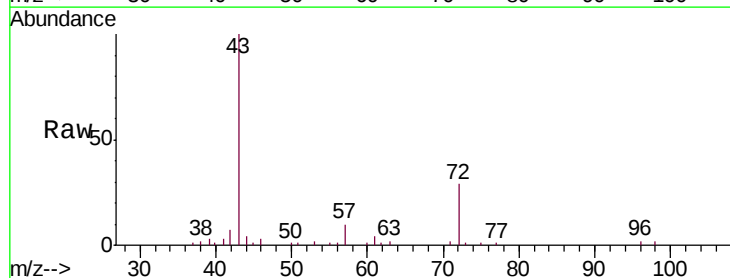
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02590

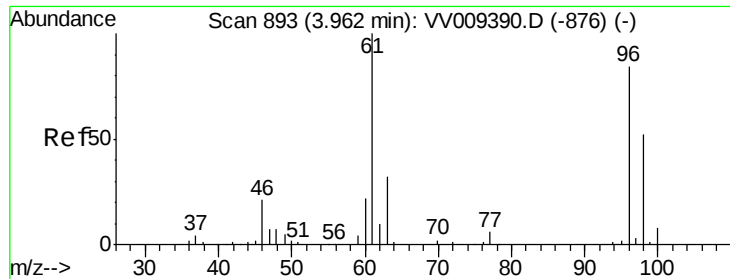
Tgt Ion: 63 Resp: 113959
 Ion Ratio Lower Upper
 63 100
 65 33.8 22.1 41.1
 83 16.0 10.2 19.0



#21
 2-Butanone
 Concen: 46.173 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

Tgt Ion: 43 Resp: 47646
 Ion Ratio Lower Upper
 43 100
 72 26.6 13.7 41.0



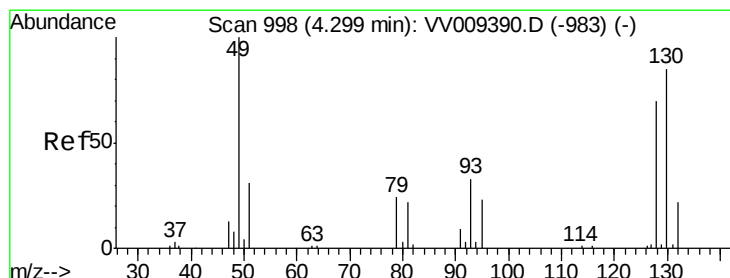
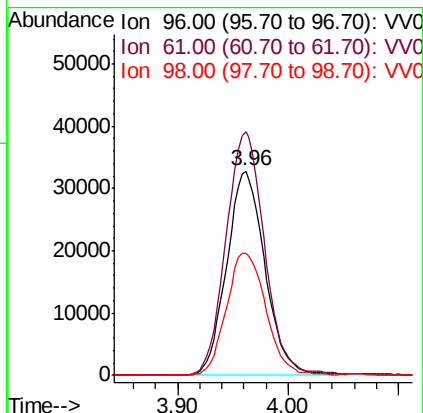
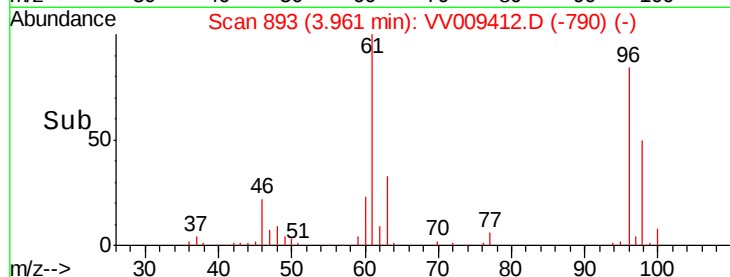
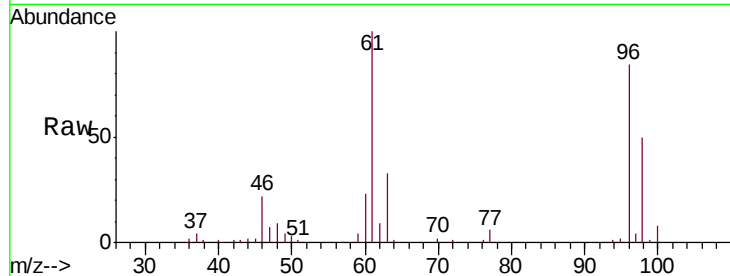


#22

cis-1,2-Dichloroethene
Concen: 29.443 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD02590

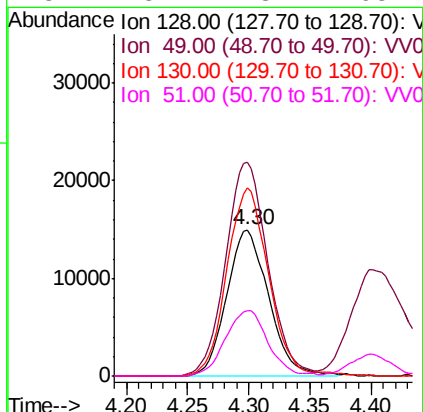
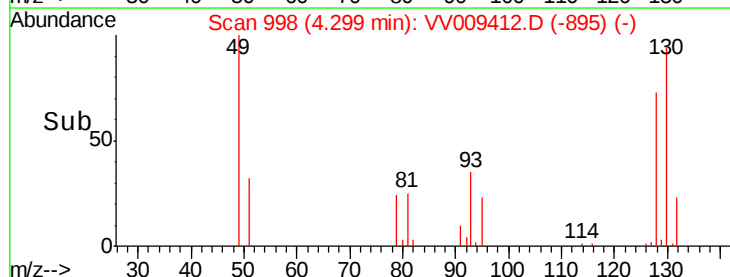
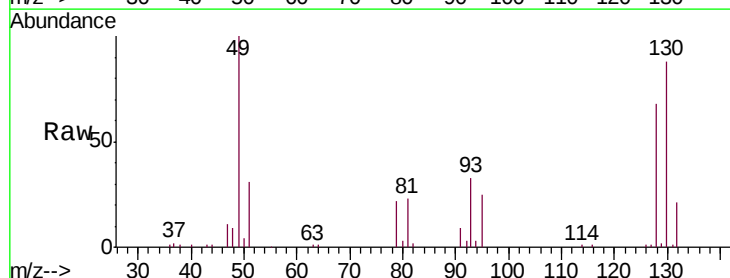
Tgt Ion: 96 Resp: 78952
Ion Ratio Lower Upper
96 100
61 119.4 87.2 161.9
98 59.9 44.6 82.8

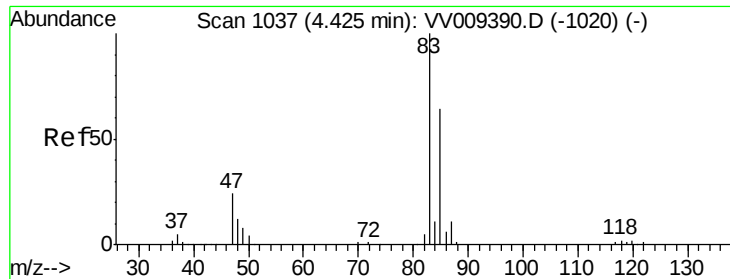


#23

Bromochloromethane
Concen: 29.744 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 128 Resp: 35794
Ion Ratio Lower Upper
128 100
49 146.2 115.5 214.5
130 128.6 92.6 172.0
51 45.1 43.4 65.2

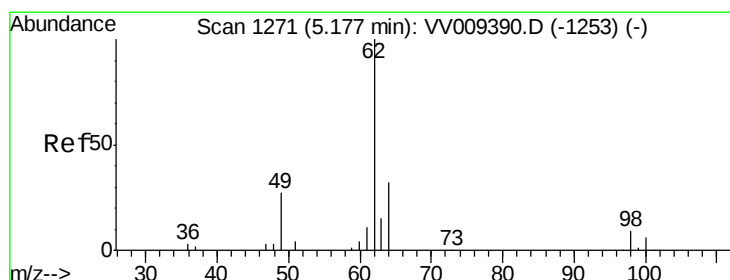
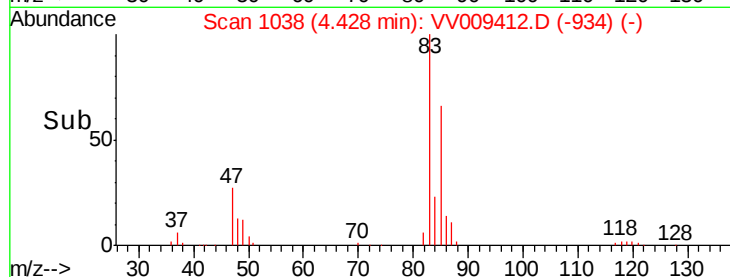
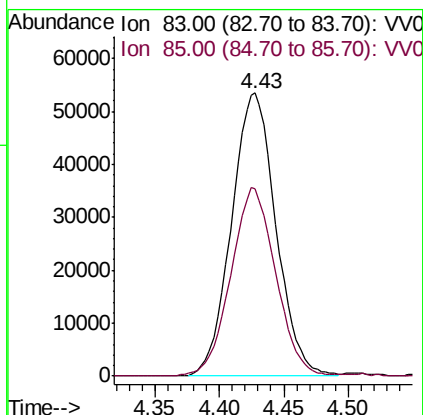
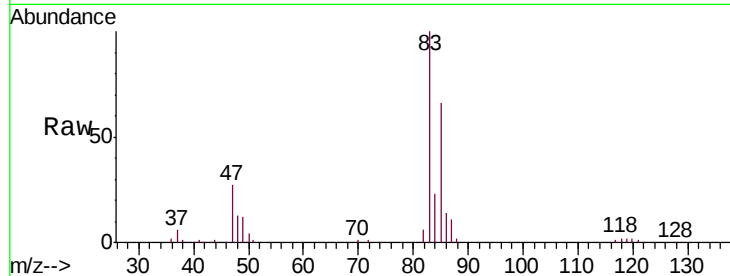




#25
Chloroform
Concen: 27.808 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

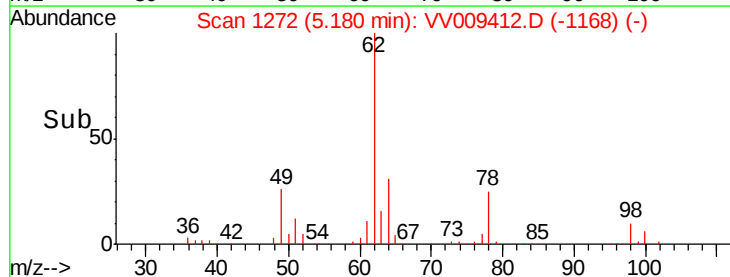
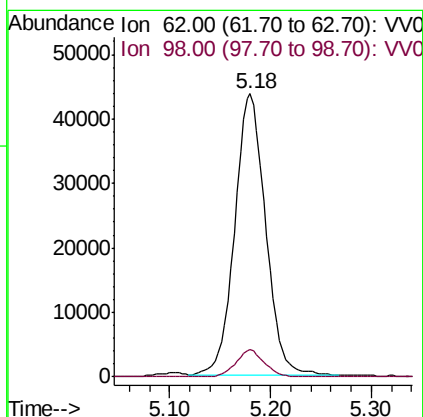
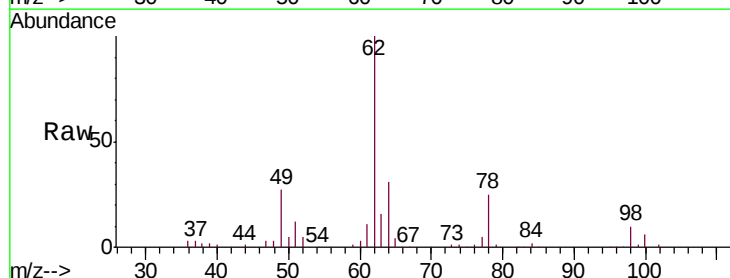
Instrument :
MSVOA_V
ClientSampleId :
VSTD02590

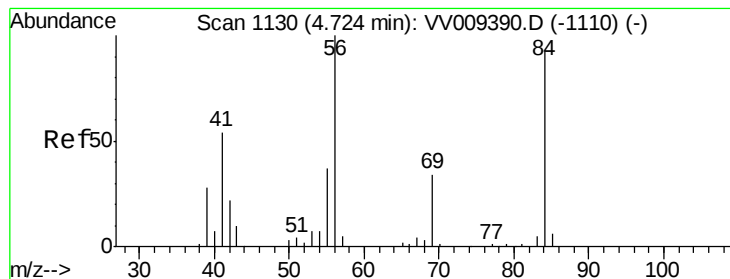
Tgt Ion: 83 Resp: 128227
Ion Ratio Lower Upper
83 100
85 67.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 28.831 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 62 Resp: 91962
Ion Ratio Lower Upper
62 100
98 9.9 6.6 10.0





#30

Cyclohexane

Concen: 23.649 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampled :

VSTD02590

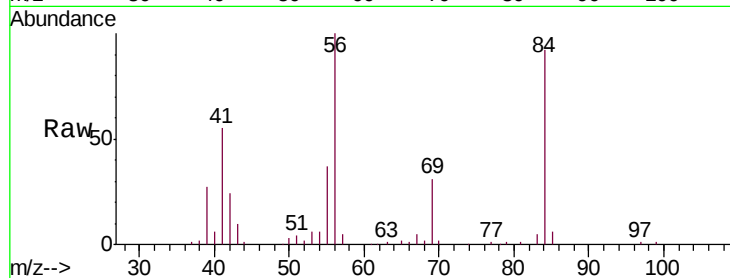
Tgt Ion: 56 Resp: 103567

Ion Ratio Lower Upper

56 100

69 32.4 24.9 37.3

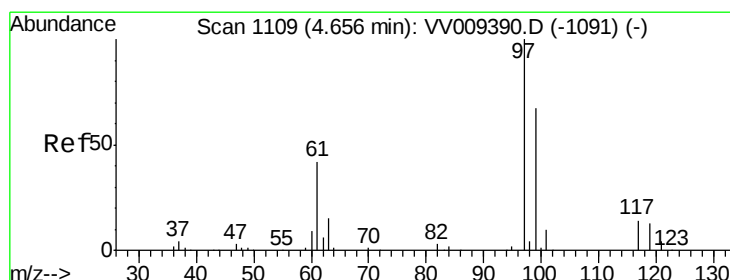
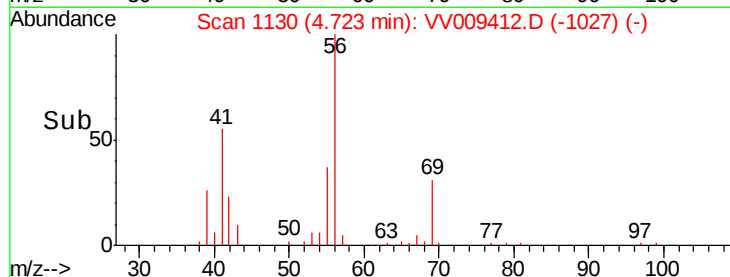
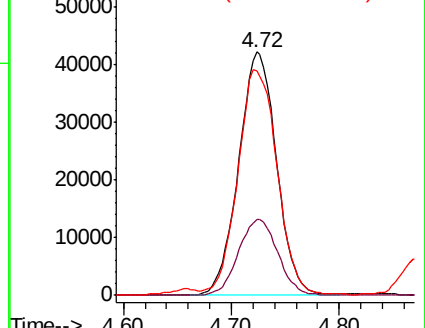
84 96.3 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VV009412.D (-1027) (-)

Ion 69.00 (68.70 to 69.70): VV009412.D (-1027) (-)

Ion 84.00 (83.70 to 84.70): VV009412.D (-1027) (-)



#31

1,1,1-Trichloroethane

Concen: 25.294 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

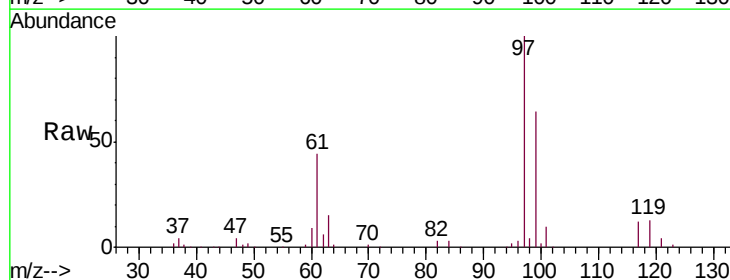
Tgt Ion: 97 Resp: 111059

Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.4

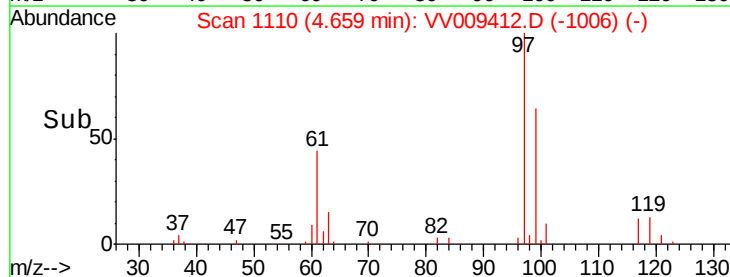
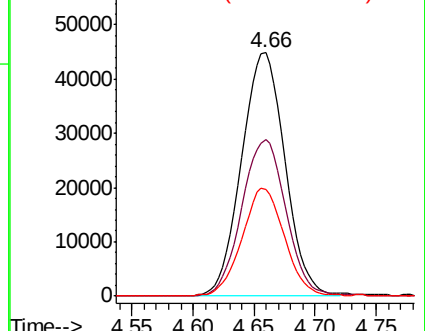
61 43.3 36.1 54.1

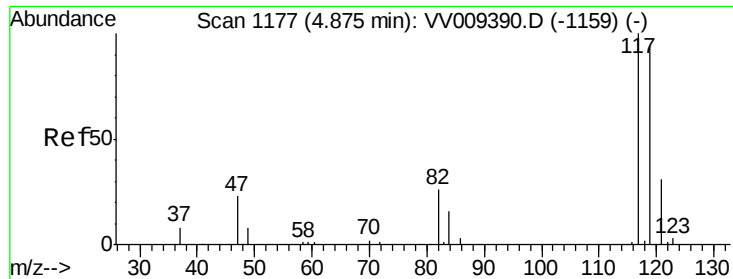


Abundance Ion 97.00 (96.70 to 97.70): VV009412.D (-1006) (-)

Ion 99.00 (98.70 to 99.70): VV009412.D (-1006) (-)

Ion 61.00 (60.70 to 61.70): VV009412.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 25.228 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

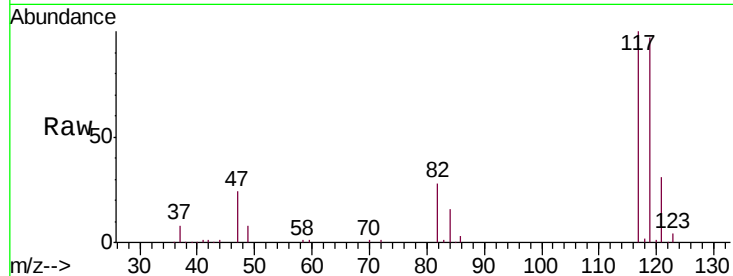
VSTD02590

Tgt Ion:117 Resp: 94470

Ion Ratio Lower Upper

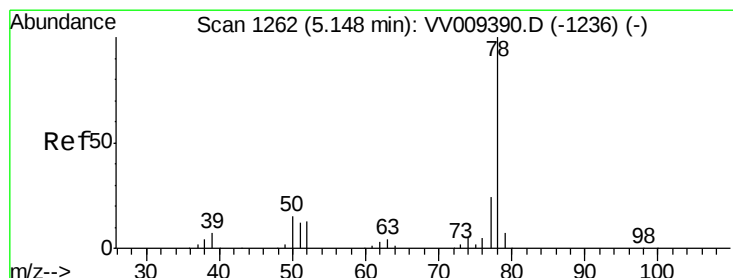
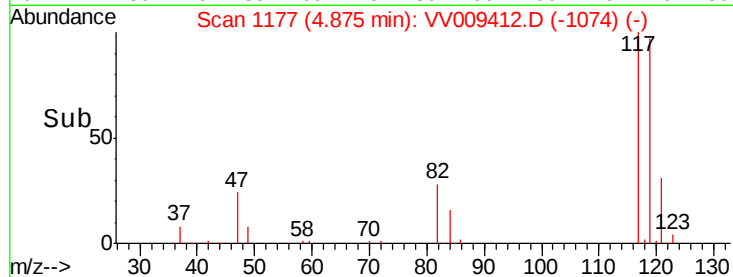
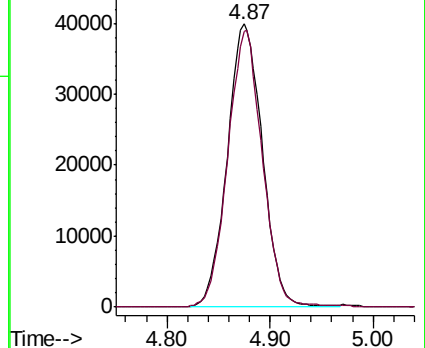
117 100

119 95.9 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.115 ug/L

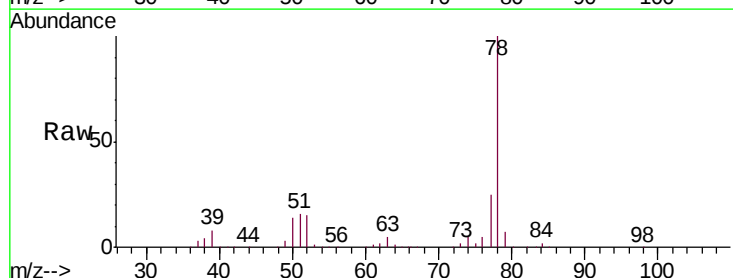
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

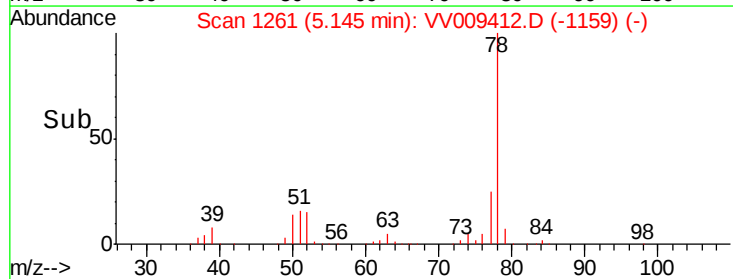
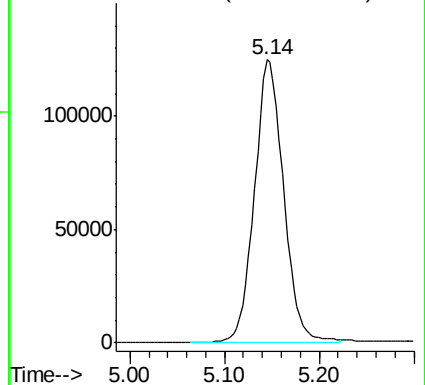
Lab File: VV009412.D

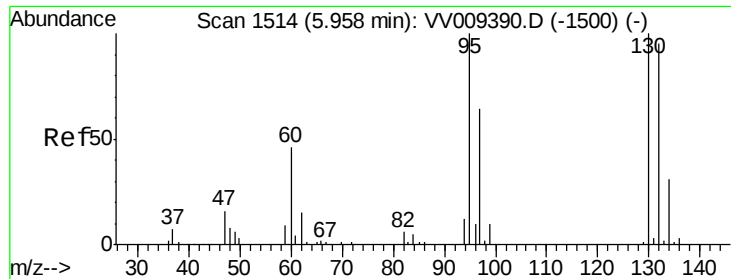
Acq: 27 Feb 2019 21:22

Tgt Ion: 78 Resp: 269183



Abundance Ion 78.00 (77.70 to 78.70): VV0

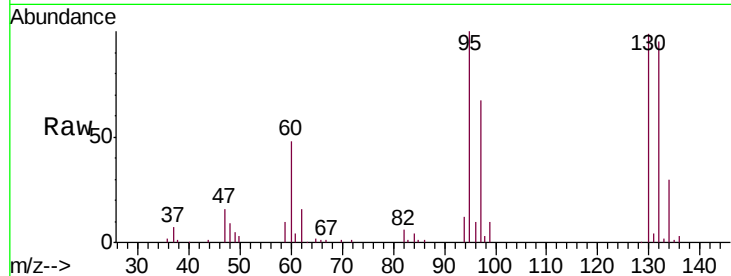




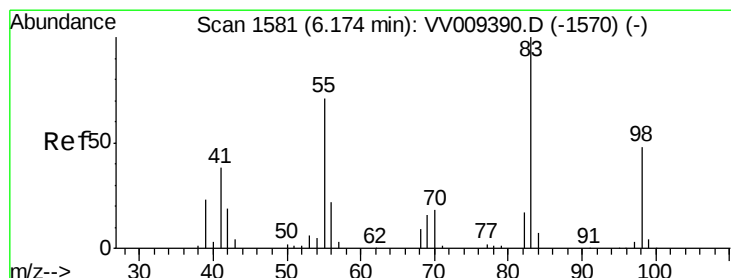
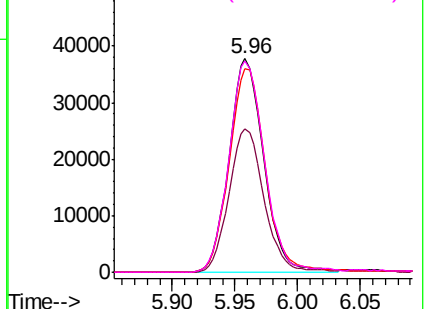
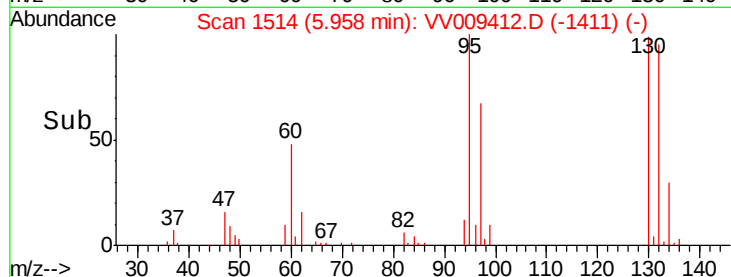
#35
 Trichloroethene
 Concen: 25.466 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02590

Tgt Ion: 95 Resp: 72661
 Ion Ratio Lower Upper
 95 100
 97 67.8 44.3 82.3
 132 98.6 64.4 119.6
 130 101.6 69.4 128.8

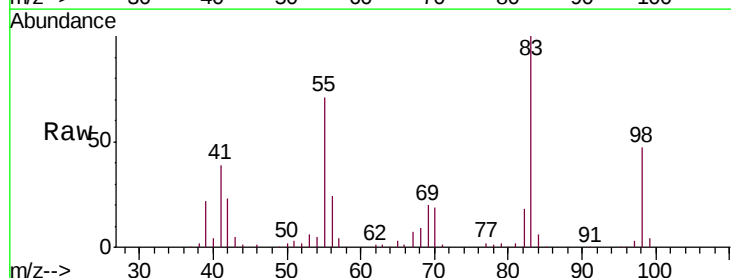


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

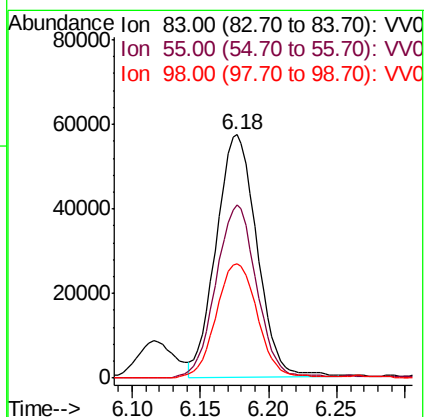
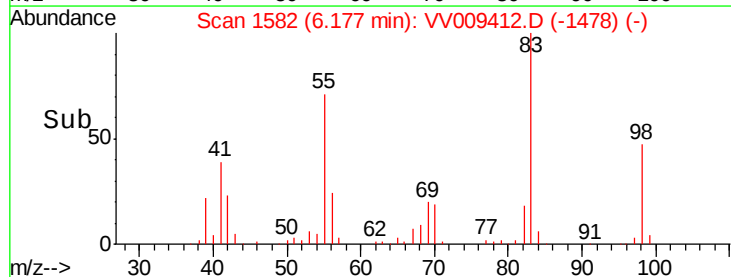


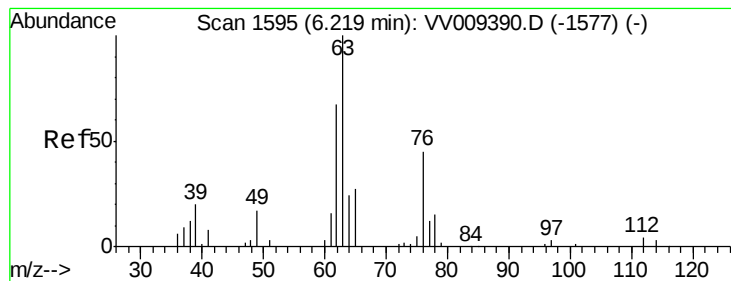
#36
 Methylcyclohexane
 Concen: 23.896 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

Tgt Ion: 83 Resp: 119046
 Ion Ratio Lower Upper
 83 100
 55 70.9 58.8 88.2
 98 47.8 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: 28.436 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

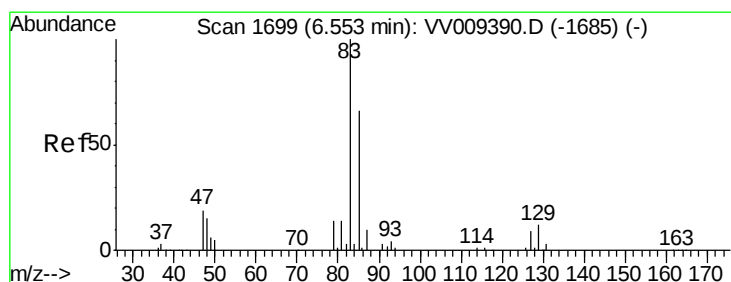
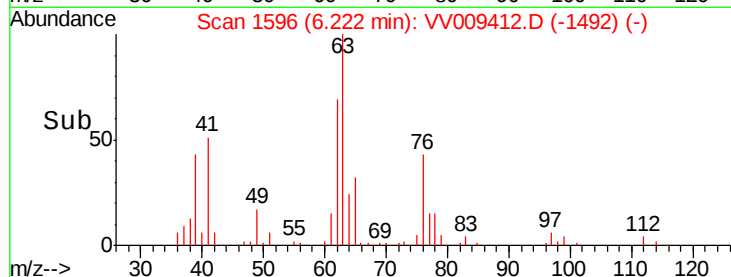
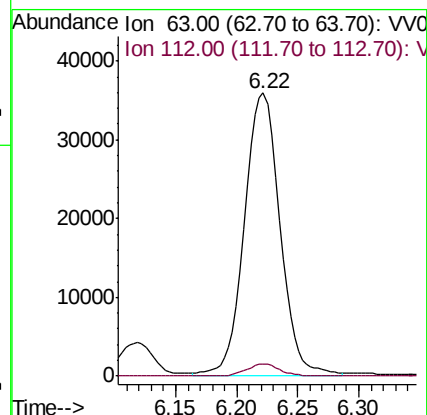
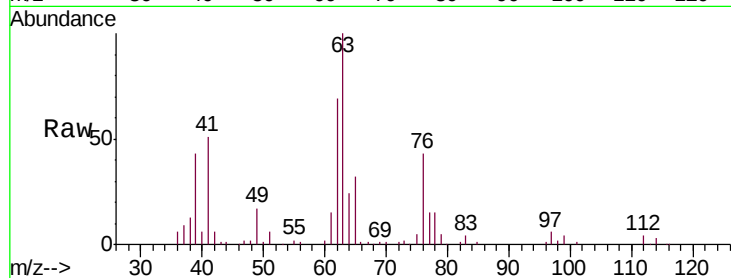
VSTD02590

Tgt Ion: 63 Resp: 72817

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



#41

Bromodichloromethane

Concen: 27.660 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

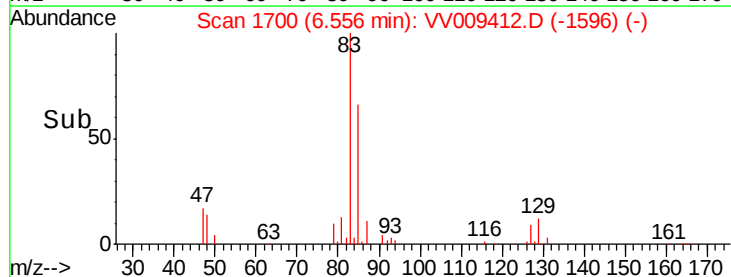
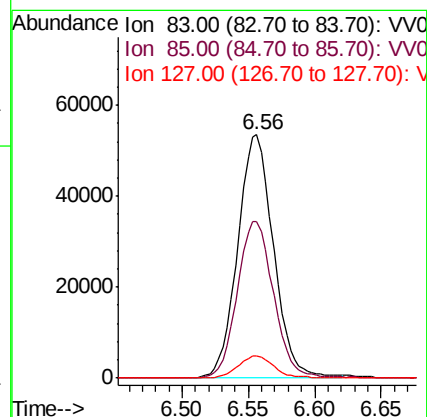
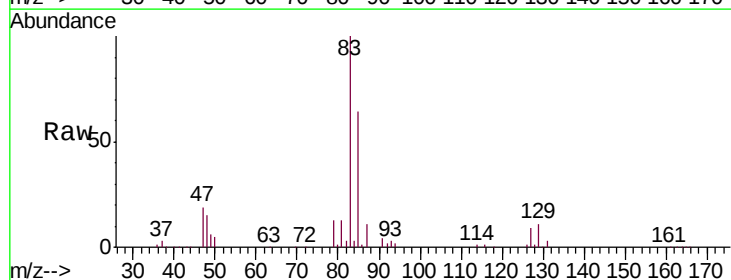
Tgt Ion: 83 Resp: 100727

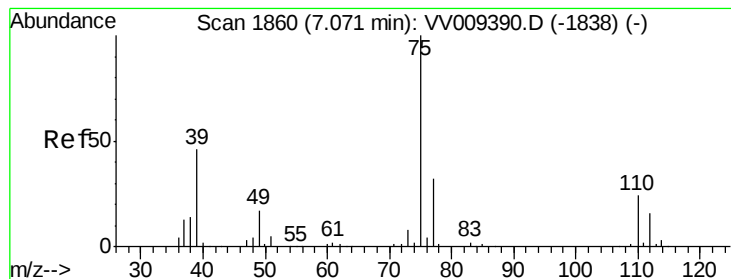
Ion Ratio Lower Upper

83 100

85 64.2 46.5 86.3

127 9.1 7.2 10.8



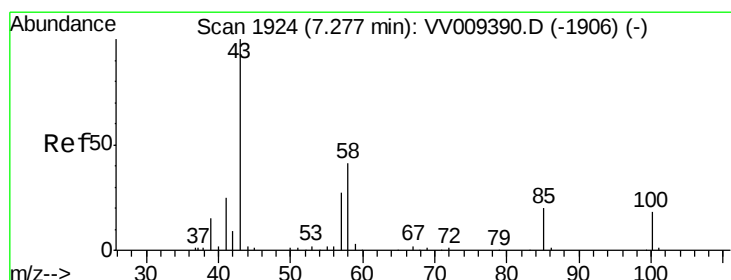
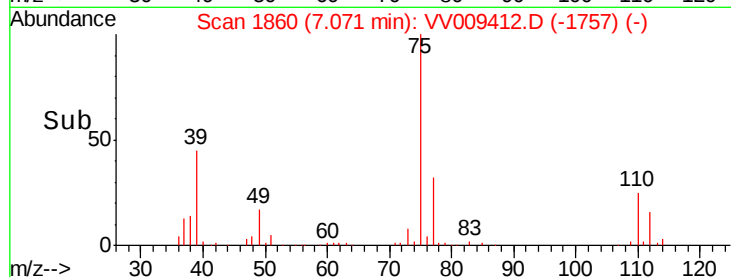
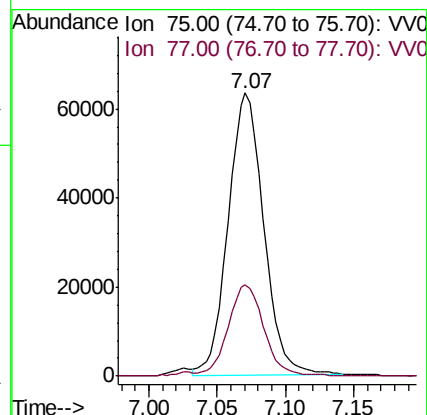
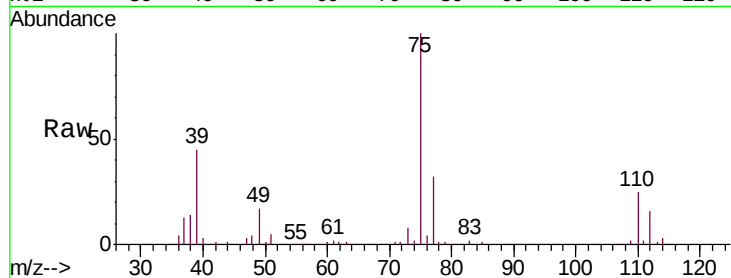


#42

cis-1,3-Dichloropropene
Concen: 28.123 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD02590

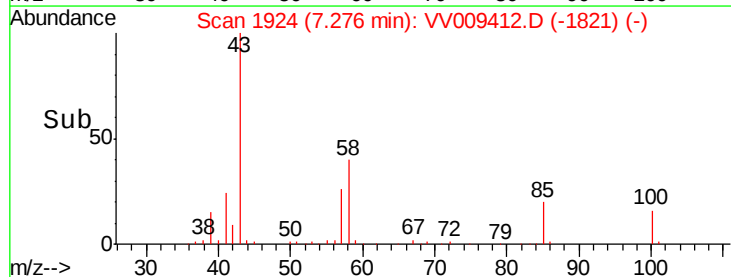
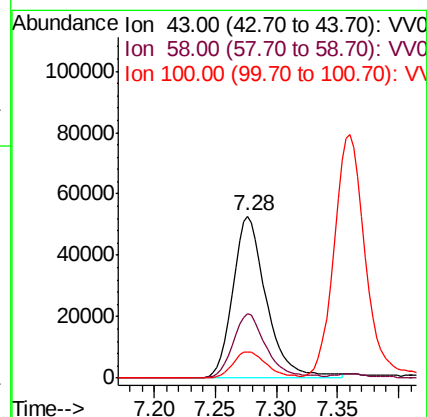
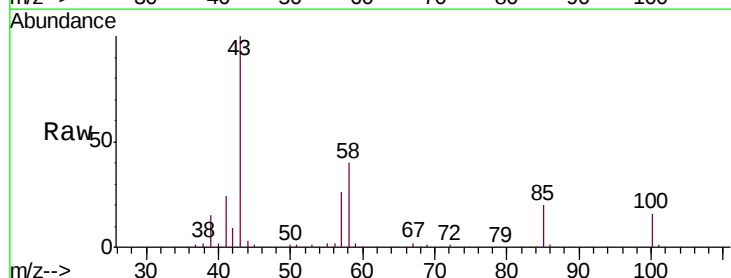
Tgt Ion: 75 Resp: 114426
Ion Ratio Lower Upper
75 100
77 32.4 21.4 39.8

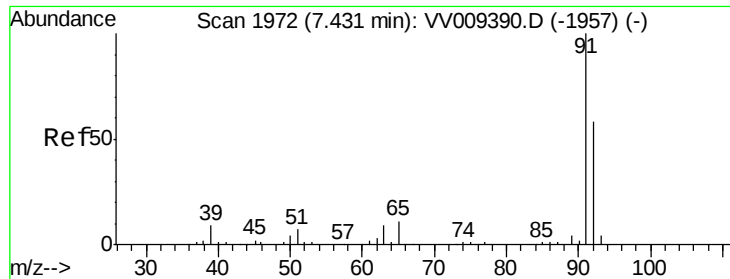


#43

4-Methyl-2-pentanone
Concen: 55.213 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 43 Resp: 101083
Ion Ratio Lower Upper
43 100
58 39.6 31.9 47.9
100 16.5 12.8 19.2





#44

Toluene

Concen: 26.694 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

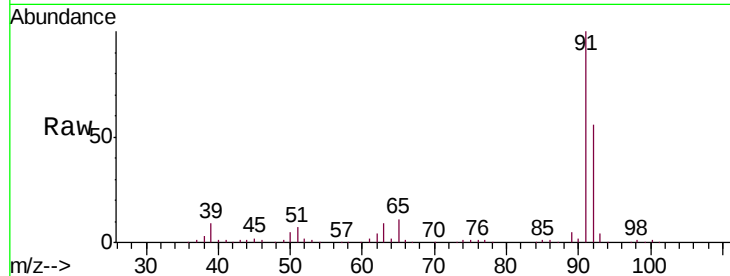
VSTD02590

Tgt Ion: 91 Resp: 307746

Ion Ratio Lower Upper

91 100

92 56.1 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009412.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV009412.D (-1957) (-)

7.43

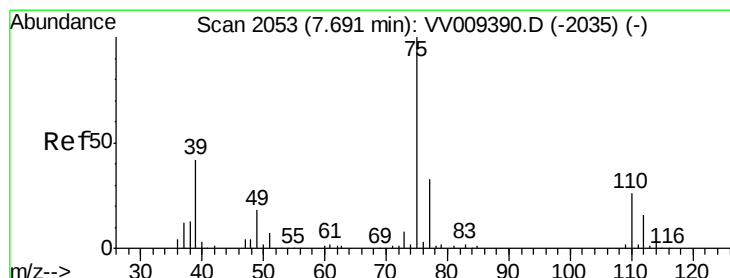
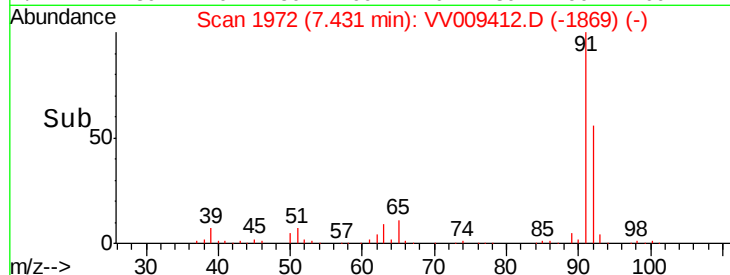
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 28.065 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009412.D

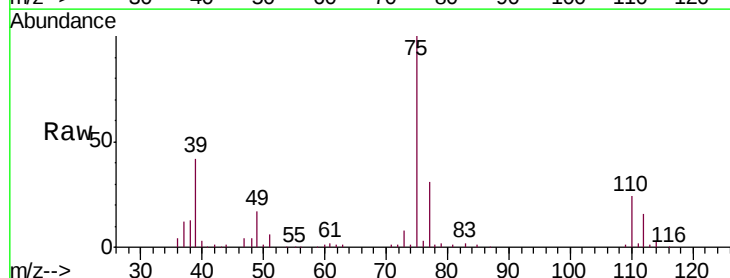
Acq: 27 Feb 2019 21:22

Tgt Ion: 75 Resp: 103522

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009412.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV009412.D (-1950) (-)

7.69

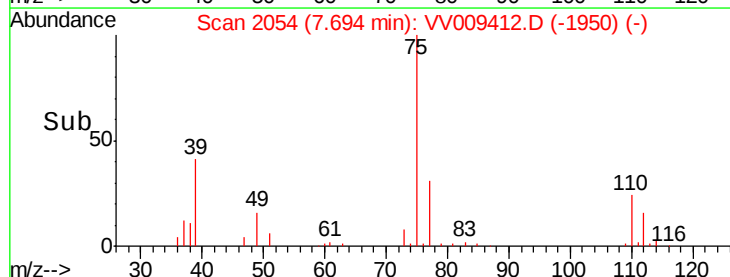
60000

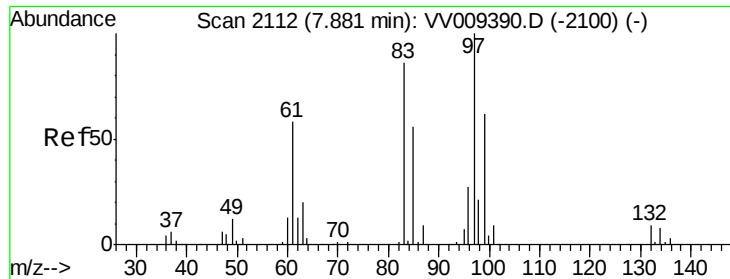
40000

20000

0

Time-->

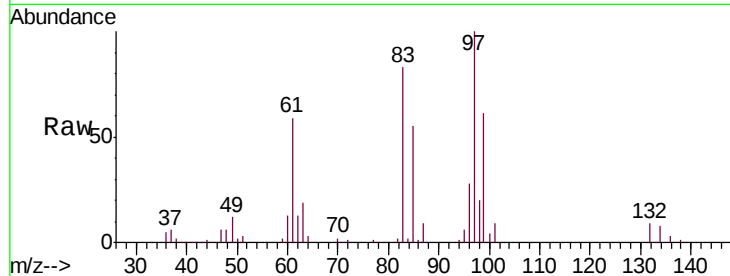




#46
 1,1,2-Trichloroethane
 Concen: 28.794 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

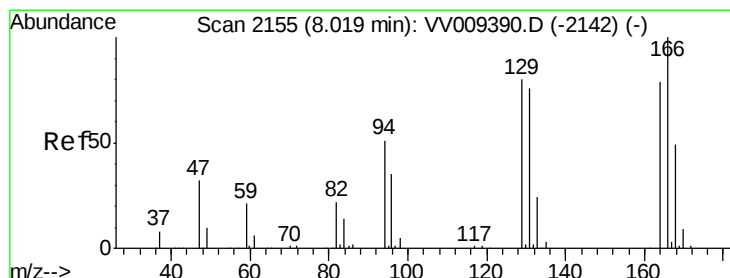
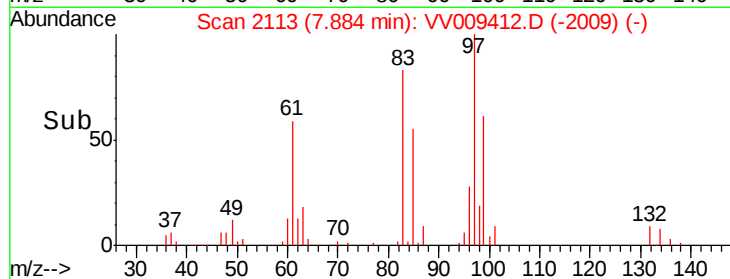
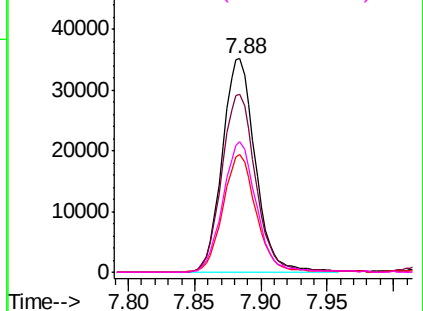
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02590

Tgt Ion:	97	Resp:	60904
Ion	Ratio	Lower	Upper
97	100		
83	83.2	63.8	118.6
85	55.2	39.5	73.4
99	61.0	45.9	85.3



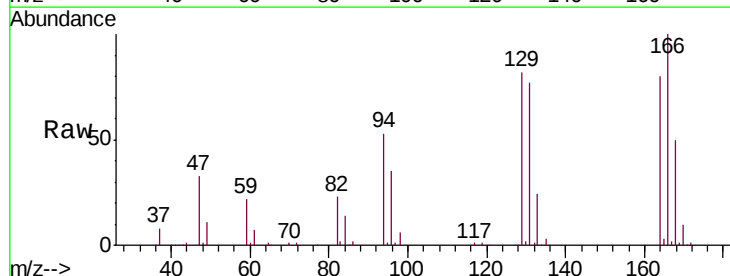
Abundance

Ion 97.00 (96.70 to 97.70): VV009412.D (-2100) (-)



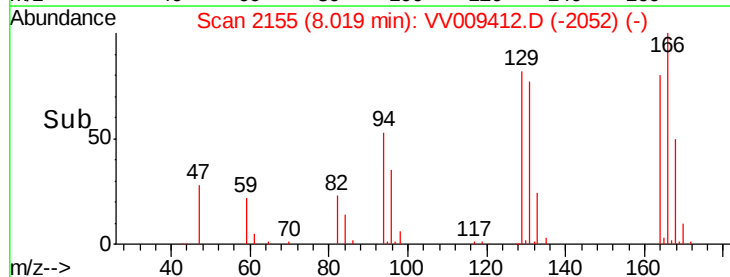
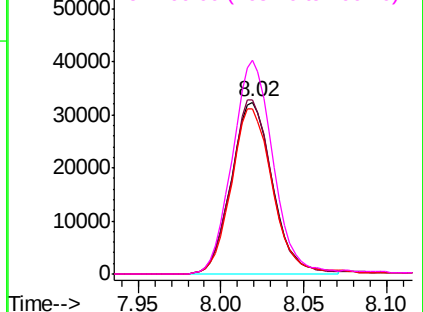
#47
 Tetrachloroethene
 Concen: 26.487 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

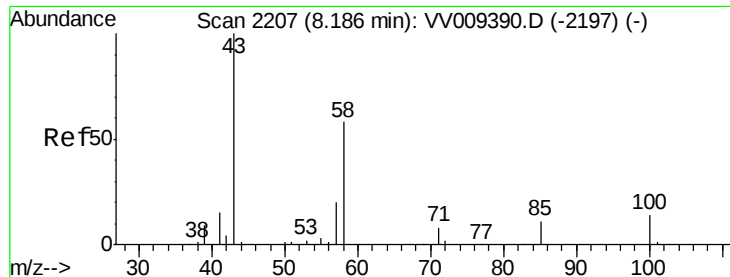
Tgt Ion:	164	Resp:	55977
Ion	Ratio	Lower	Upper
164	100		
129	101.5	67.7	125.7
131	95.9	67.5	125.3
166	124.5	81.6	151.6



Abundance

Ion 164.00 (163.70 to 164.70): VV009412.D (-2142) (-)

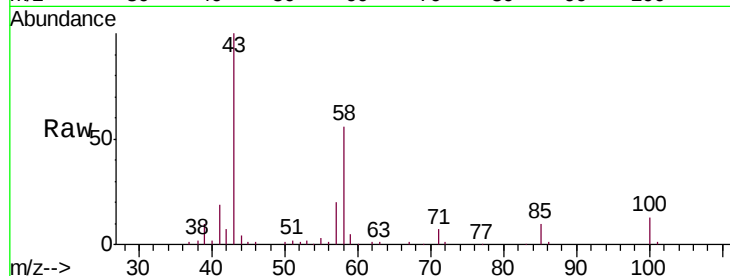




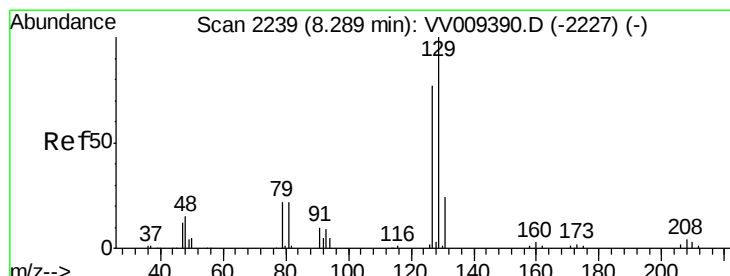
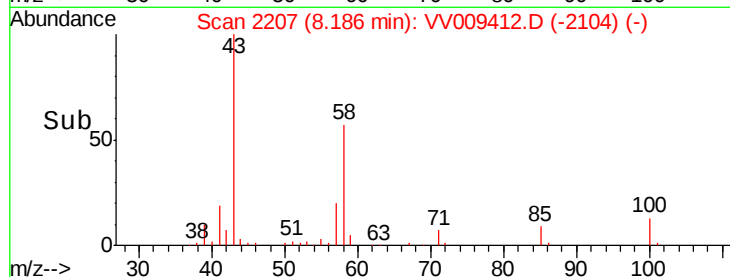
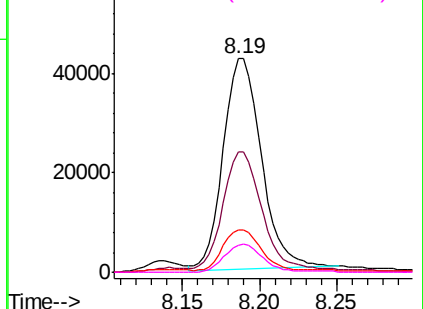
#49
2-Hexanone
Concen: 47.704 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD02590

Tgt Ion: 43 Resp: 72923
Ion Ratio Lower Upper
43 100
58 57.1 46.3 69.5
57 19.3 15.8 23.6
100 13.4 10.0 15.0

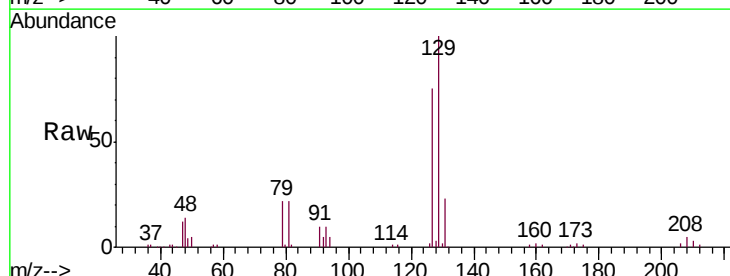


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

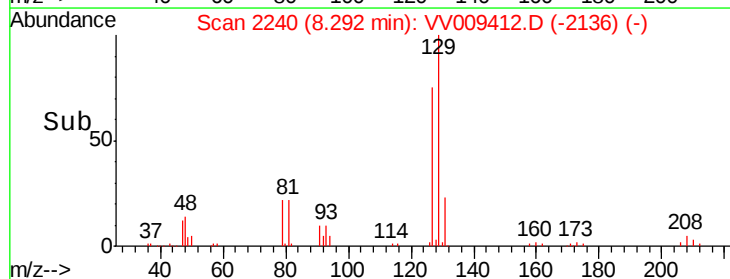
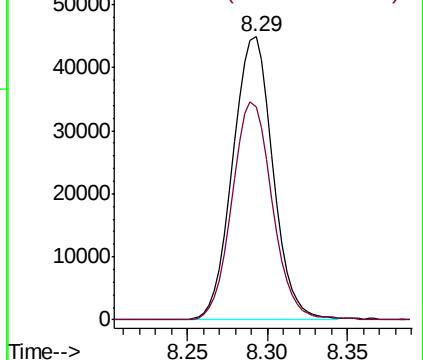


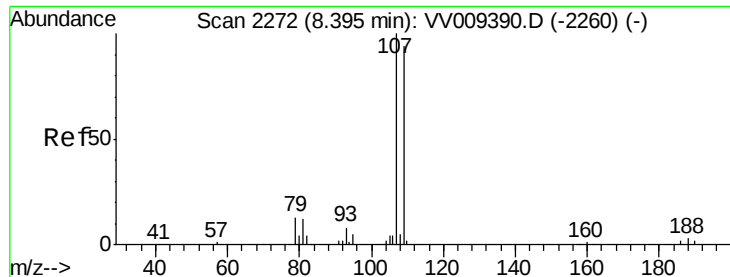
#50
Dibromochloromethane
Concen: 29.060 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 129 Resp: 76886
Ion Ratio Lower Upper
129 100
127 75.3 53.7 99.7



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

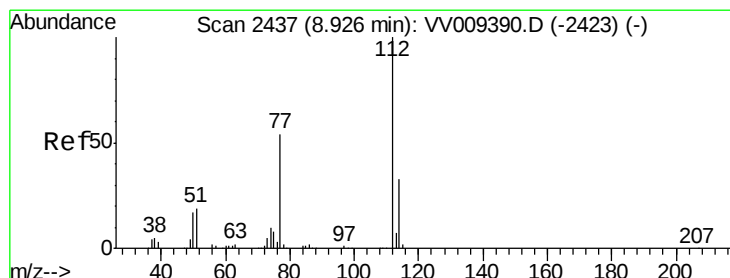
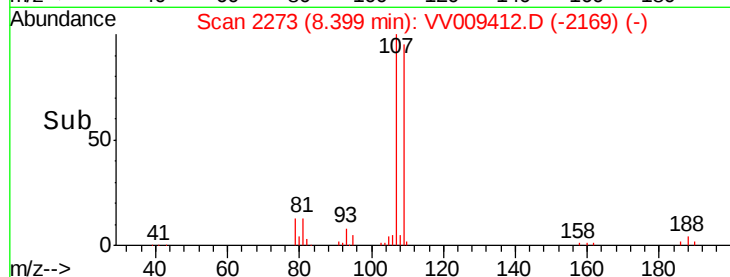
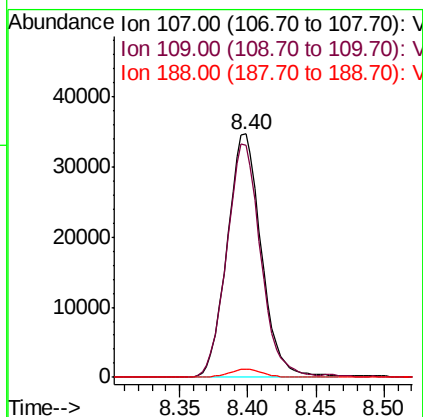
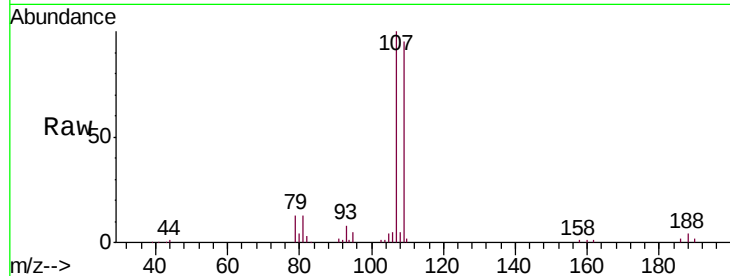




#51
 1,2-Dibromoethane
 Concen: 28.414 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

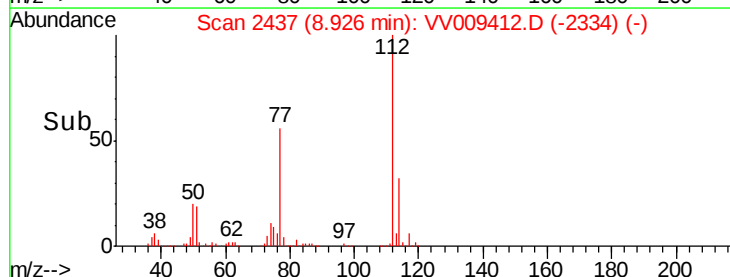
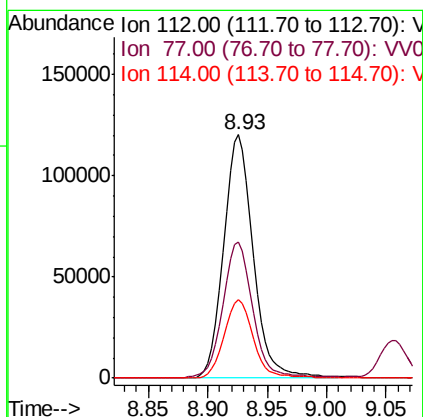
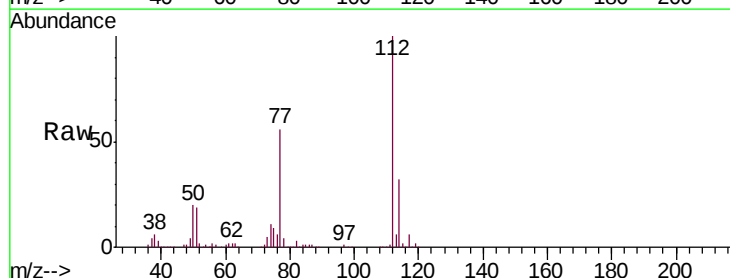
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02590

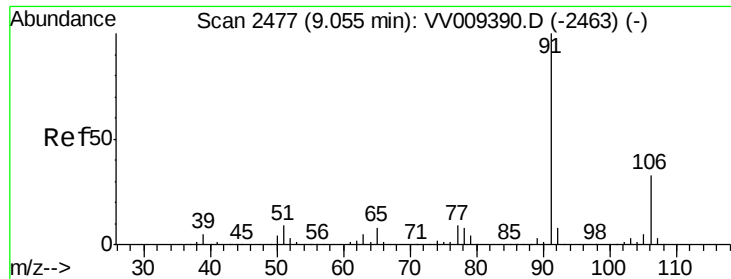
Tgt Ion:107 Resp: 60504
 Ion Ratio Lower Upper
 107 100
 109 95.4 65.6 121.8
 188 3.5 2.3 3.5#



#52
 Chlorobenzene
 Concen: 27.829 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

Tgt Ion:112 Resp: 207810
 Ion Ratio Lower Upper
 112 100
 77 55.8 45.0 67.6
 114 32.0 22.9 42.5





#53

Ethylbenzene

Concen: 26.181 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

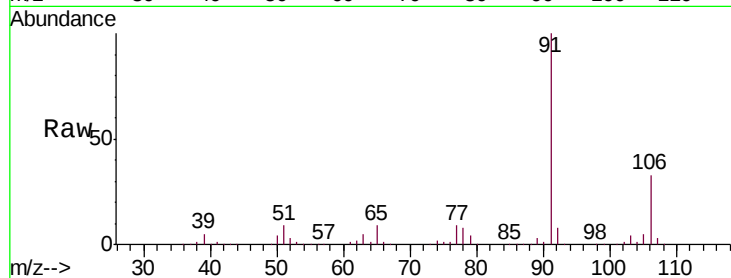
VSTD02590

Tgt Ion: 91 Resp: 345218

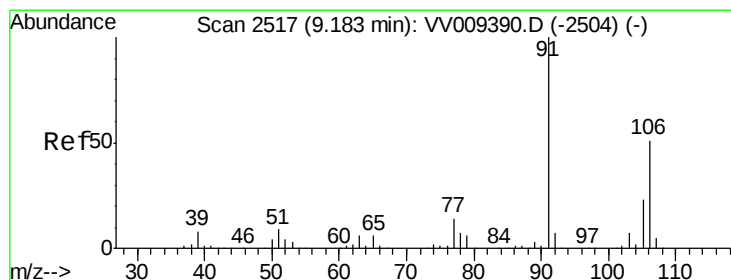
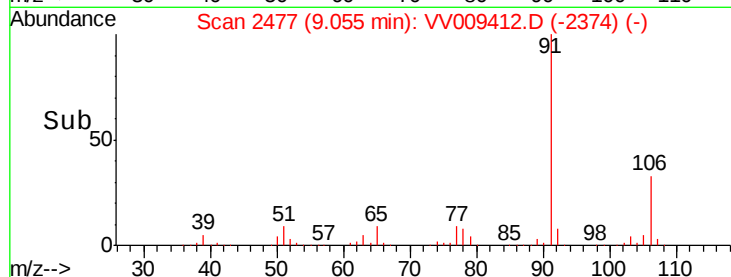
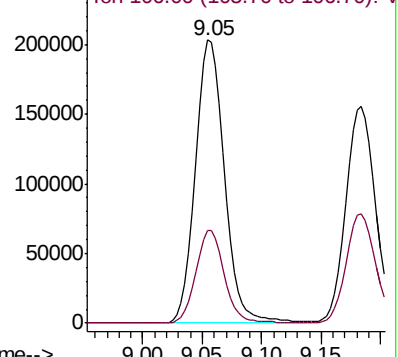
Ion Ratio Lower Upper

91 100

106 32.8 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009412.D (-2463) (-)



#54

m,p-Xylene

Concen: 26.474 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009412.D

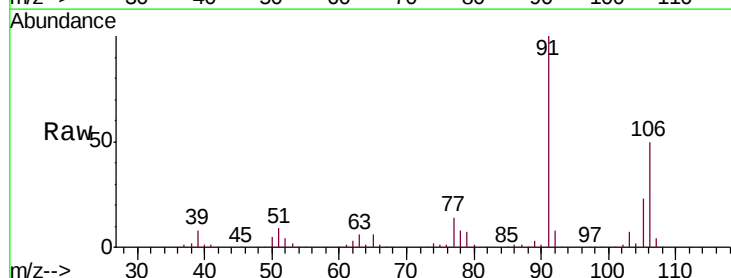
Acq: 27 Feb 2019 21:22

Tgt Ion: 106 Resp: 135981

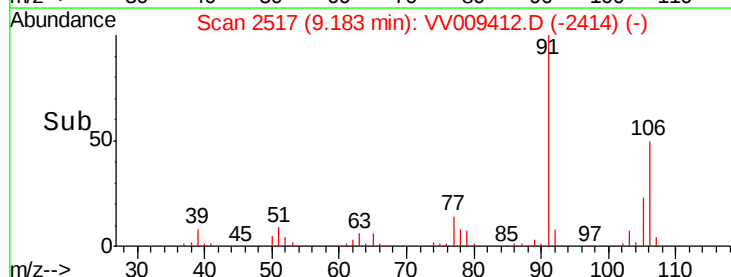
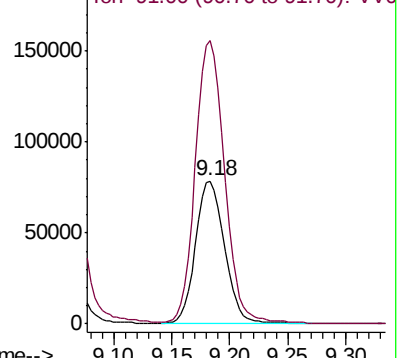
Ion Ratio Lower Upper

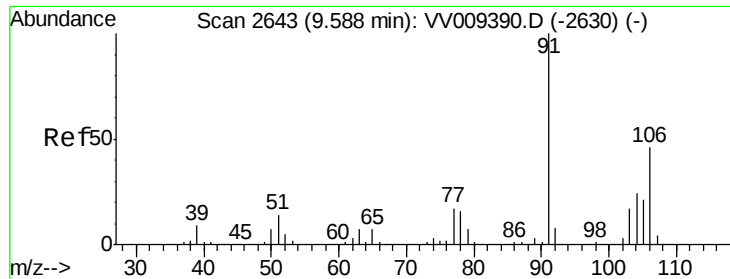
106 100

91 198.4 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009412.D (-2504) (-)

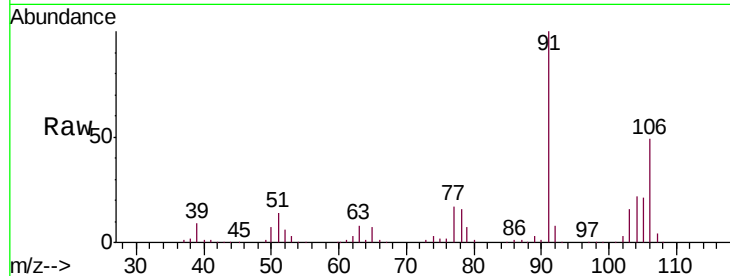




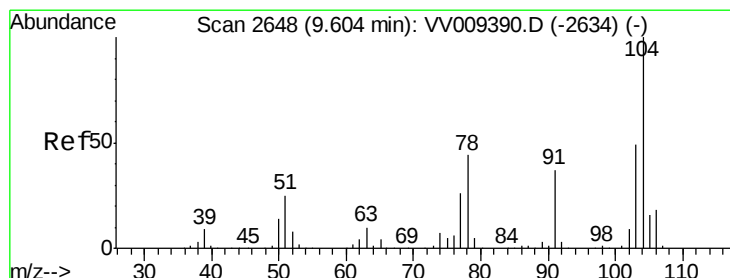
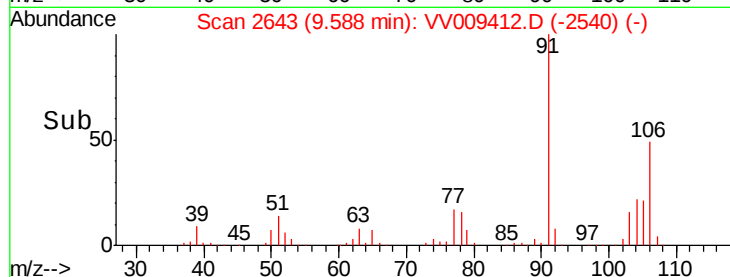
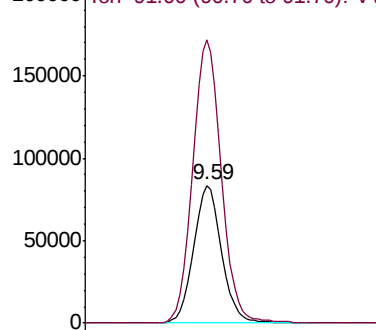
#55
o-xylene
Concen: 27.723 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD02590

Tgt Ion:106 Resp: 135008
Ion Ratio Lower Upper
106 100
91 205.8 143.8 267.0

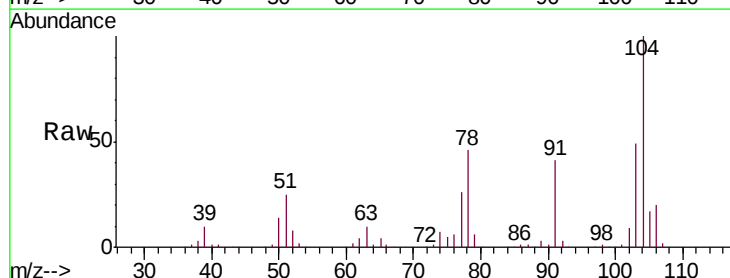


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

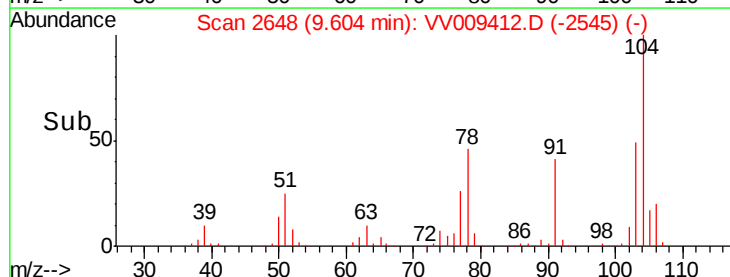
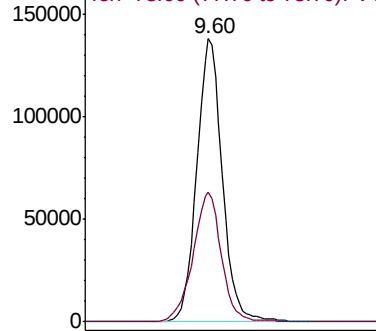


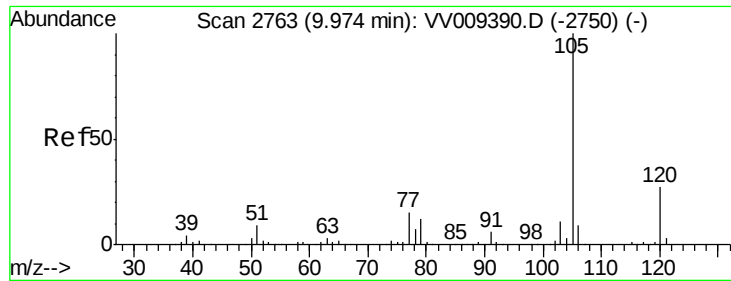
#56
Styrene
Concen: 27.829 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009412.D
Acq: 27 Feb 2019 21:22

Tgt Ion:104 Resp: 227319
Ion Ratio Lower Upper
104 100
78 46.0 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 26.288 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD02590

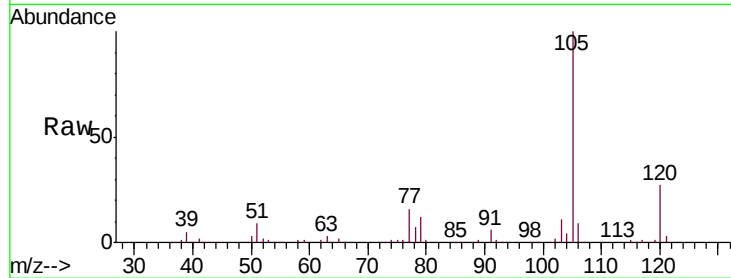
Tgt Ion: 105 Resp: 349754

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

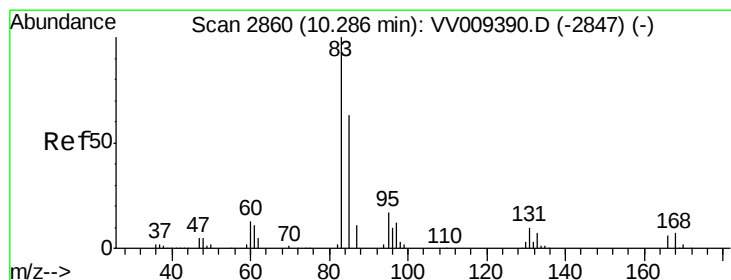
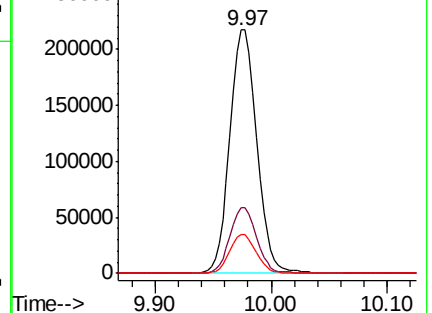
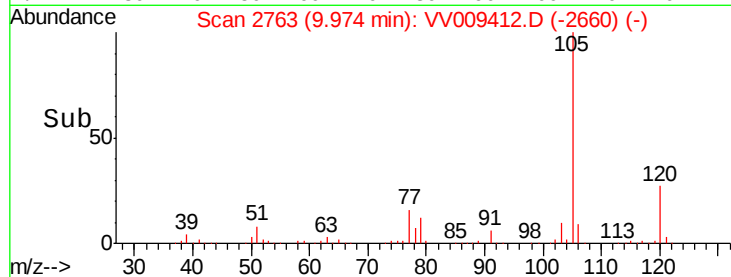
77 15.7 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.564 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

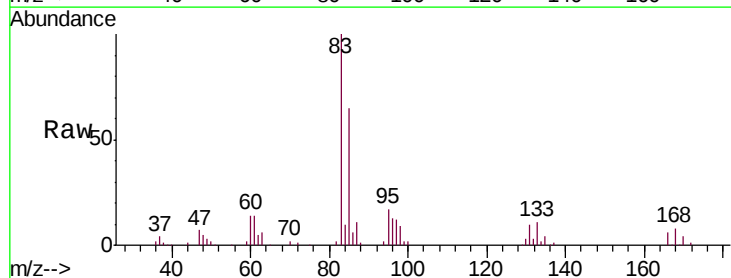
Tgt Ion: 83 Resp: 79281

Ion Ratio Lower Upper

83 100

85 65.0 44.7 83.1

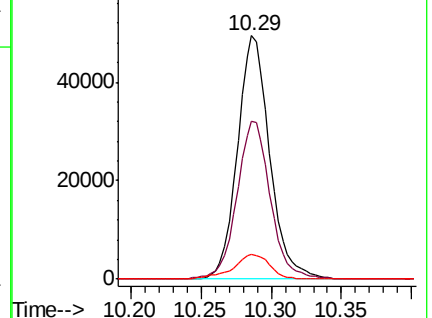
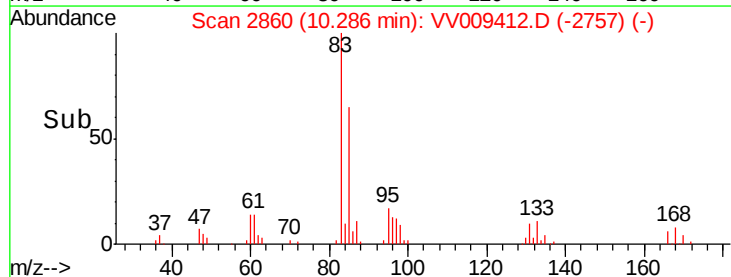
131 10.1 7.0 10.6

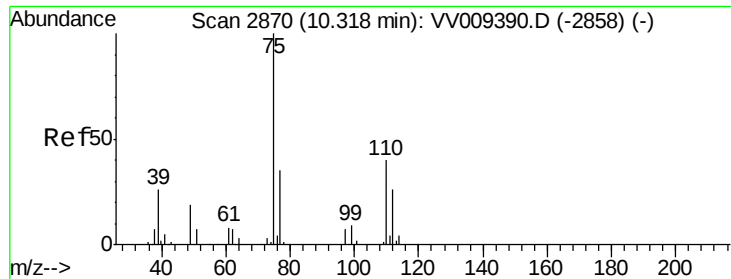


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.729 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

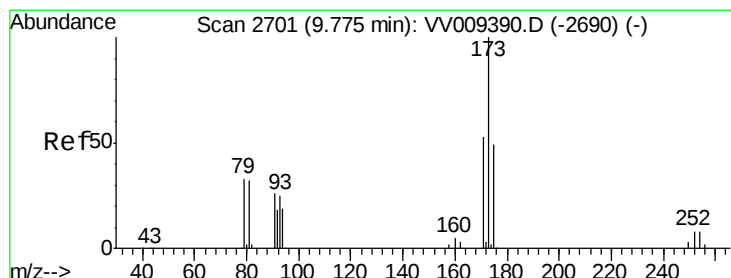
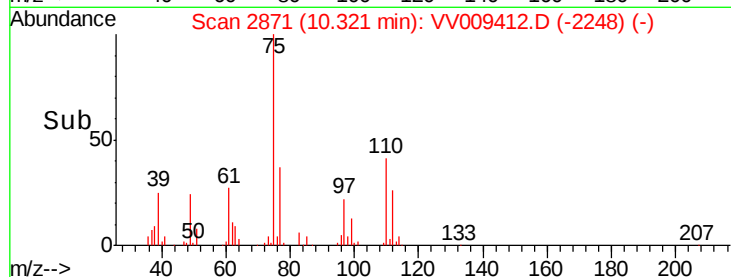
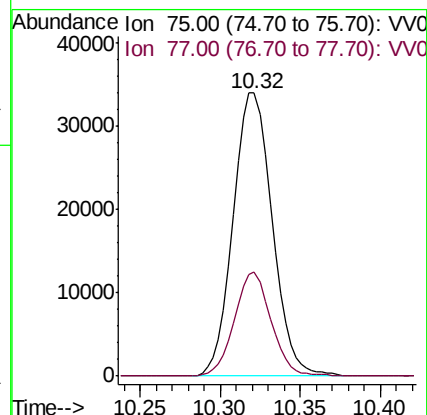
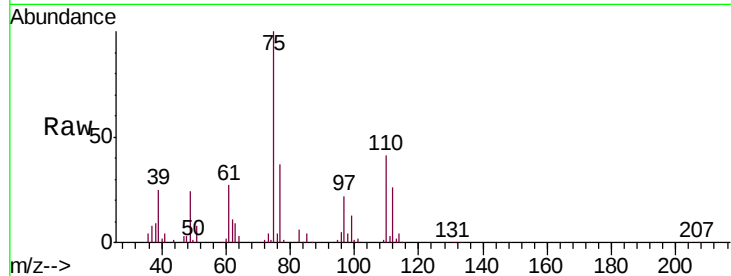
VSTD02590

Tgt Ion: 75 Resp: 56805

Ion Ratio Lower Upper

75 100

77 34.1 25.9 38.9



#62

Bromoform

Concen: 27.680 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

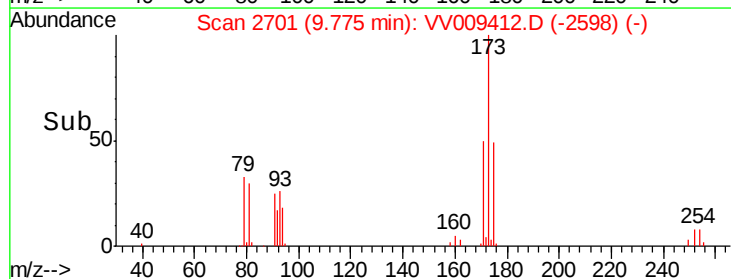
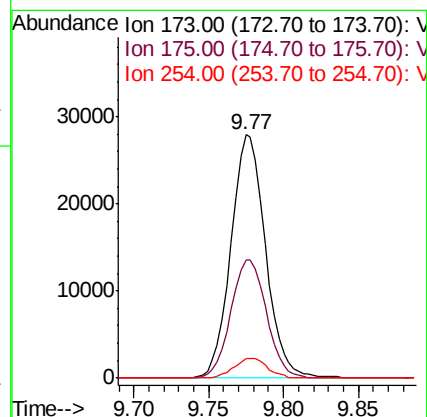
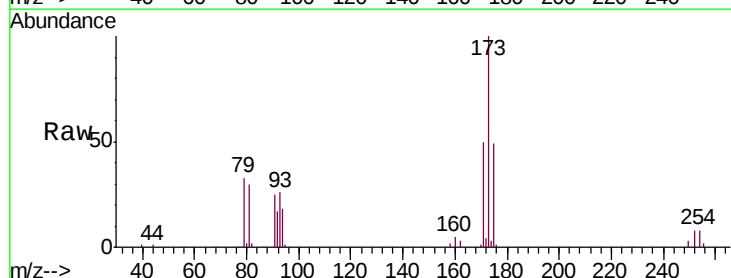
Tgt Ion: 173 Resp: 44997

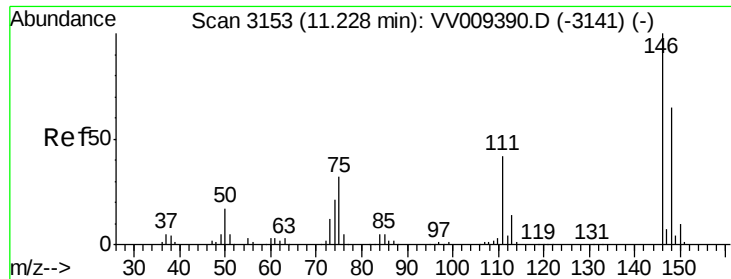
Ion Ratio Lower Upper

173 100

175 49.9 38.8 58.2

254 7.8 5.8 8.8

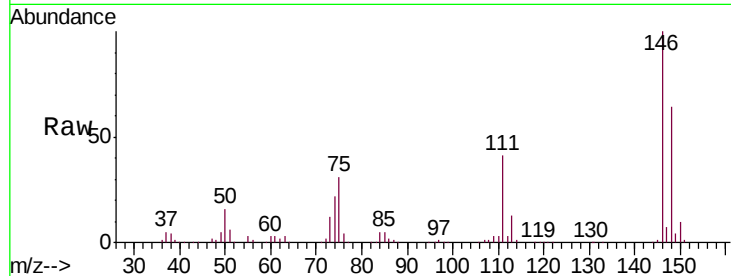




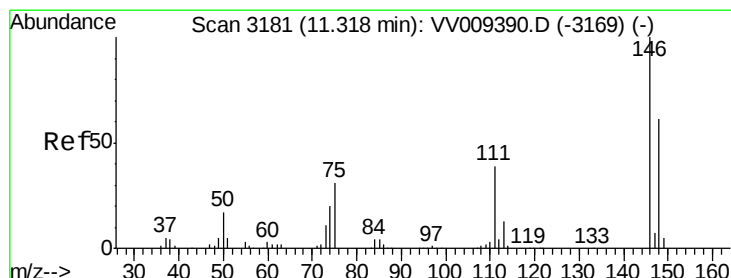
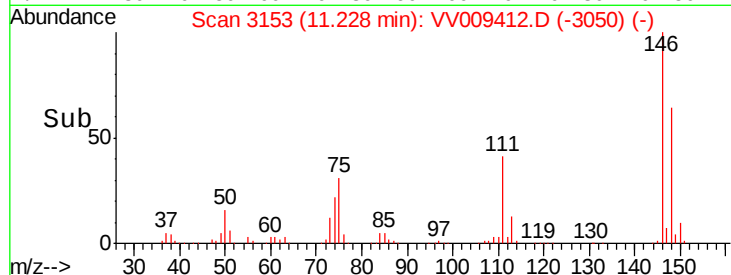
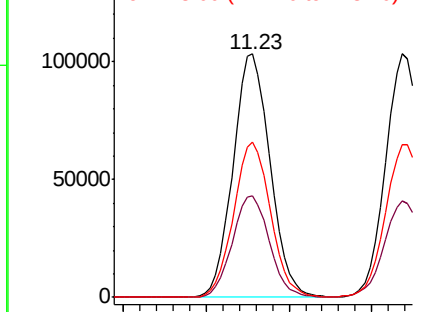
#63
 1,3-Dichlorobenzene
 Concen: 27.636 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02590

Tgt Ion:146 Resp: 160638
 Ion Ratio Lower Upper
 146 100
 111 41.5 29.6 55.0
 148 63.7 44.8 83.2

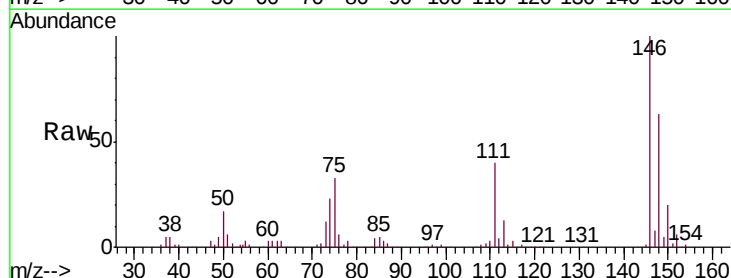


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

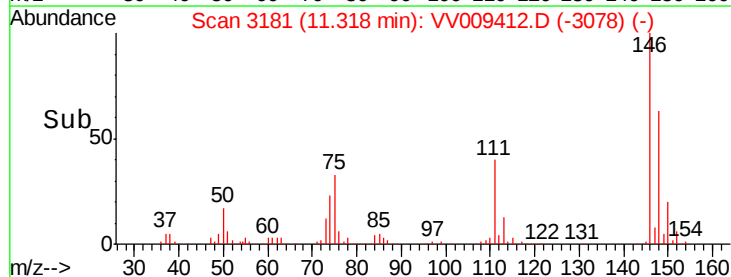
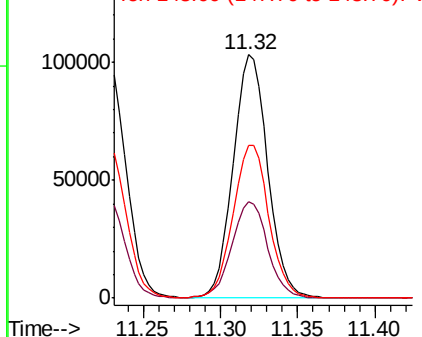


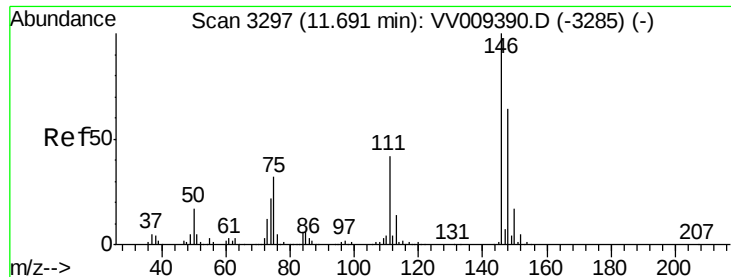
#64
 1,4-Dichlorobenzene
 Concen: 27.520 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

Tgt Ion:146 Resp: 159666
 Ion Ratio Lower Upper
 146 100
 111 39.6 29.2 54.2
 148 62.8 43.0 79.8



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: 28.003 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD02590

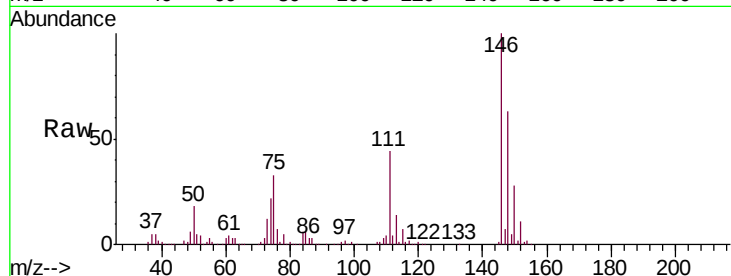
Tgt Ion:146 Resp: 152933

Ion Ratio Lower Upper

146 100

111 44.0 35.4 53.0

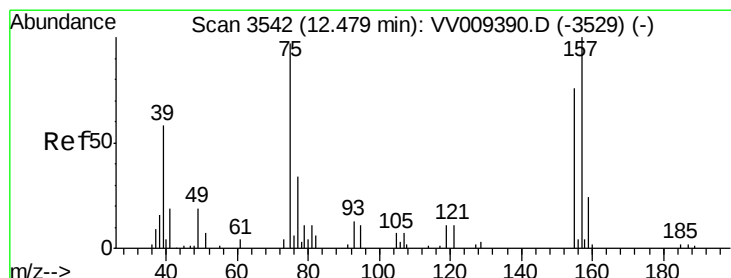
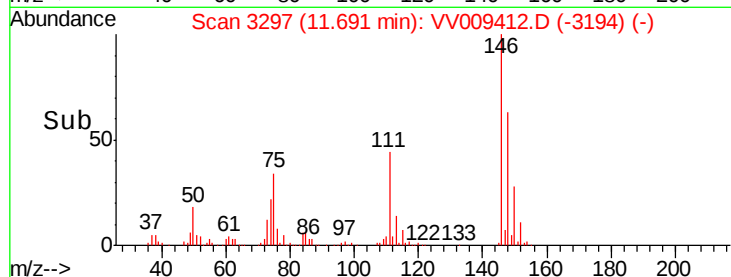
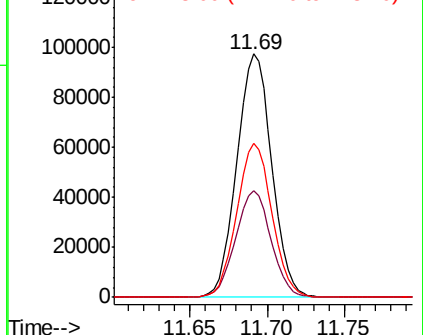
148 63.3 50.6 76.0



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: 27.325 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

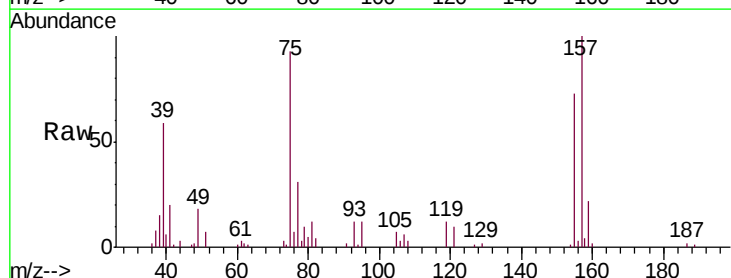
Tgt Ion: 75 Resp: 14735

Ion Ratio Lower Upper

75 100

157 108.0 81.0 121.4

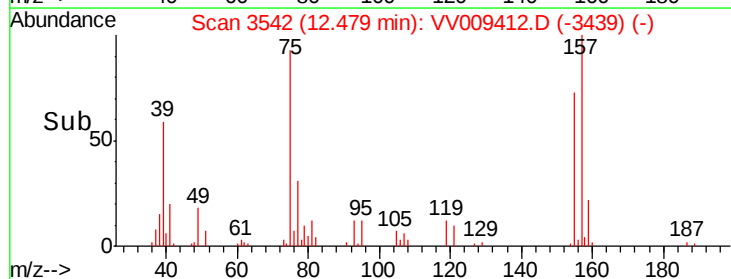
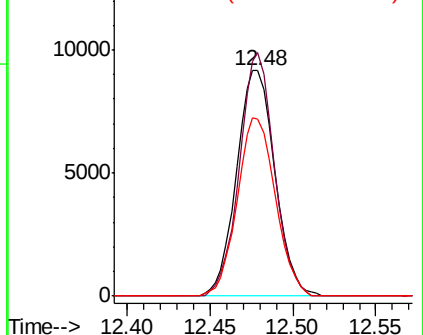
155 78.7 61.2 91.8

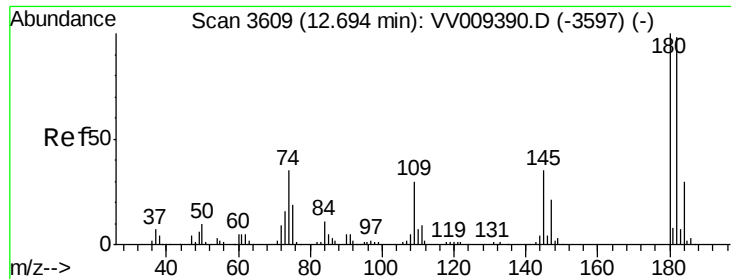


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

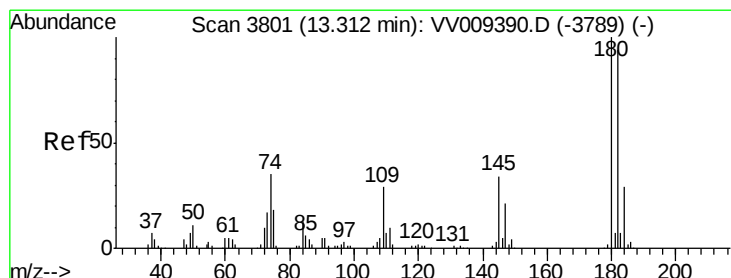
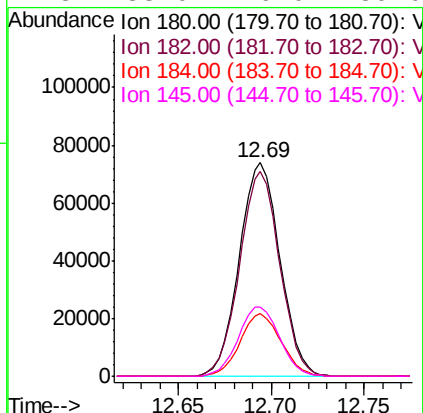
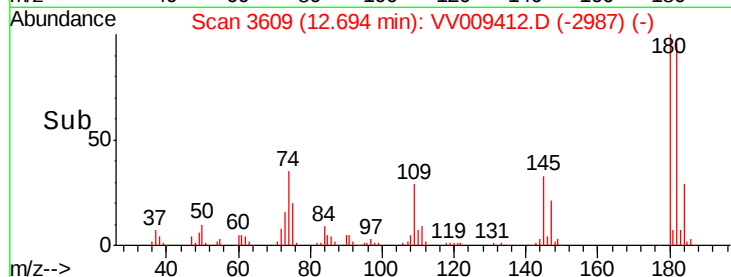
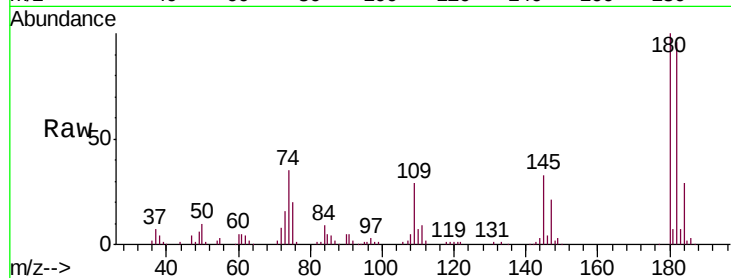




#67
 1,3,5-Trichlorobenzene
 Concen: 27.418 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

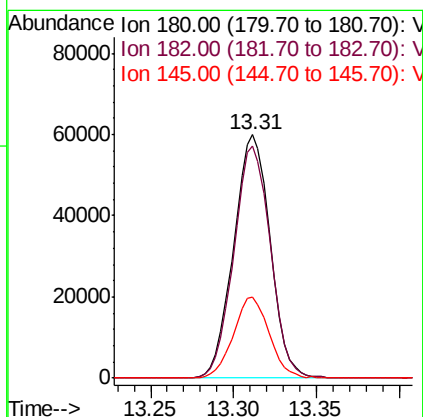
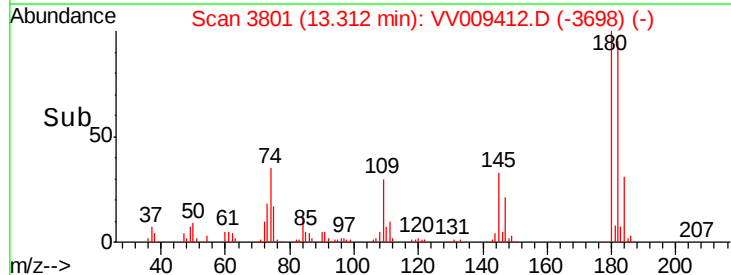
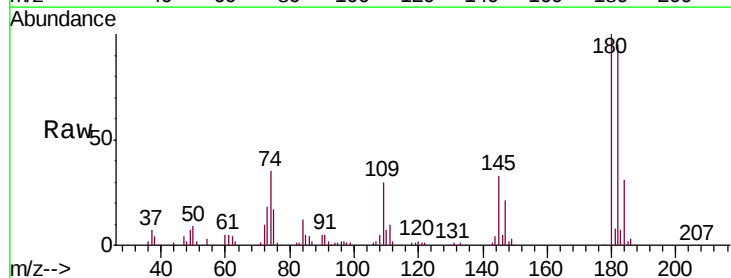
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02590

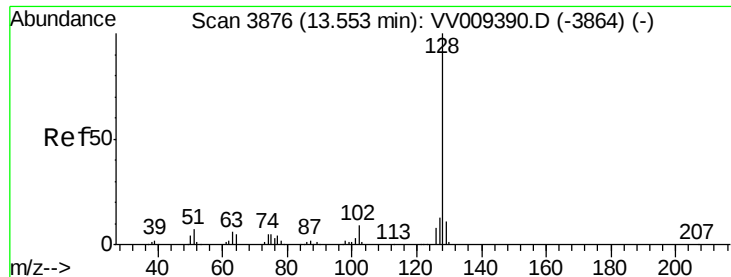
Tgt Ion:	180	Resp:	112531
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.4	113.2
184	29.5	23.9	35.9
145	33.0	26.0	39.0



#68
 1,2,4-trichlorobenzene
 Concen: 28.851 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009412.D
 Acq: 27 Feb 2019 21:22

Tgt Ion:	180	Resp:	91927
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.9	113.9
145	32.7	26.2	39.4





#69

Naphthalene

Concen: 28.503 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD02590

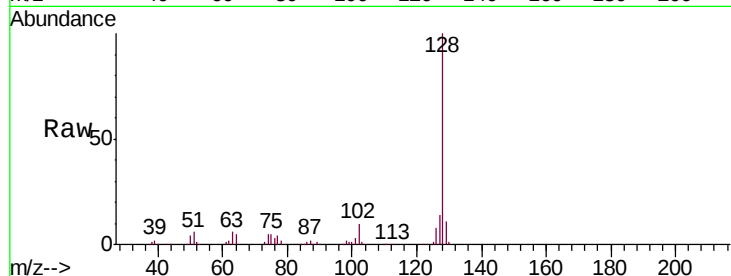
Tgt Ion:128 Resp: 183888

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

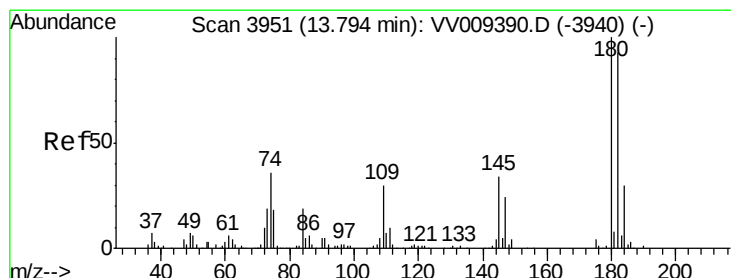
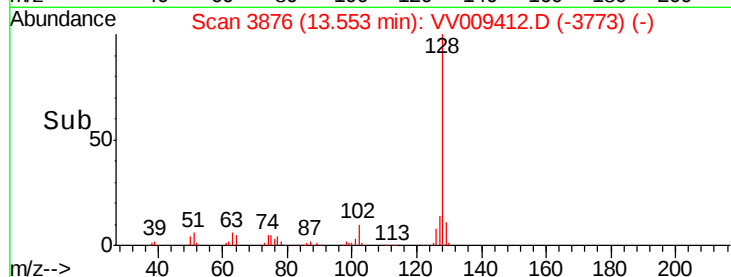
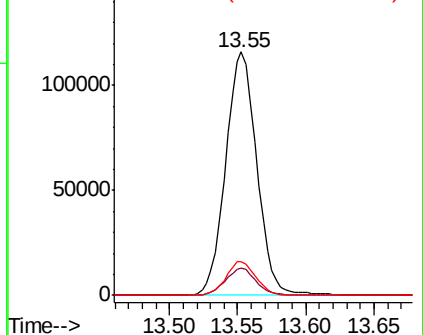
127 13.5 10.6 16.0



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: 29.581 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009412.D

Acq: 27 Feb 2019 21:22

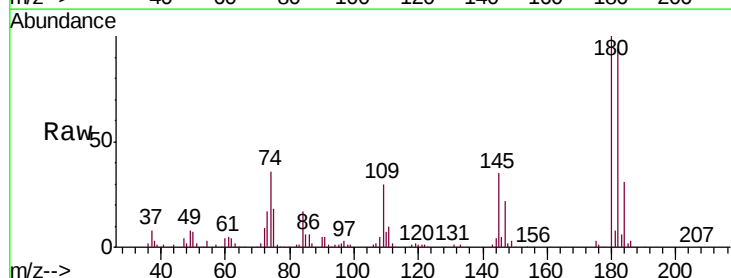
Tgt Ion:180 Resp: 87368

Ion Ratio Lower Upper

180 100

182 93.7 74.2 111.2

145 35.0 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

