

Data File : VV009707.D
Acq On : 16 Mar 2019 00:00
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

Quant Time: Mar 16 02:39:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 02:32:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	173392	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	172080	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	85714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48309	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.16%
7) Chloroethane-d5	1.58	69	49293	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.30%
11) 1,1-Dichloroethene-d2	2.13	63	135462	50.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.08%
21) 2-Butanone-d5	3.93	46	76181	100.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.45%
24) Chloroform-d	4.40	84	111262	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.26%
26) 1,2-Dichloroethane-d4	5.08	65	70802	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.46%
32) Benzene-d6	5.10	84	214228	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
36) 1,2-Dichloropropane-d6	6.12	67	65938	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.56%
41) Toluene-d8	7.36	98	212248	48.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.38%
43) trans-1,3-Dichloropropene-	7.67	79	32731	47.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.72%
47) 2-Hexanone-d5	8.13	63	56238	96.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101768	47.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.70%
64) 1,2-Dichlorobenzene-d4	11.68	152	82591	45.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66736	60.864	ug/L 100
3) Chloromethane	1.25	50	59209	56.532	ug/L 96
5) Vinyl chloride	1.32	62	65973	59.076	ug/L 96
6) Bromomethane	1.53	94	48515	50.931	ug/L 98
8) Chloroethane	1.60	64	44283	50.917	ug/L 99
9) Trichlorofluoromethane	1.77	101	133001	56.175	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72931	55.554	ug/L 100
12) 1,1-Dichloroethene	2.14	96	64114	57.087	ug/L 94
13) Acetone	2.19	43	48923	61.208	ug/L 95
14) Carbon disulfide	2.32	76	146989	52.462	ug/L 100
15) Methyl Acetate	2.46	43	57000	55.028	ug/L 98
16) Methylene chloride	2.54	84	59078	54.051	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	56017	54.692	ug/L 96
18) Methyl tert-butyl Ether	2.81	73	178670	54.279	ug/L 99
19) 1,1-Dichloroethane	3.23	63	102775	54.264	ug/L 97
20) cis-1,2-Dichloroethene	3.96	96	66211	55.575	ug/L 99
22) 2-Butanone	4.02	43	76533	88.225	ug/L 96

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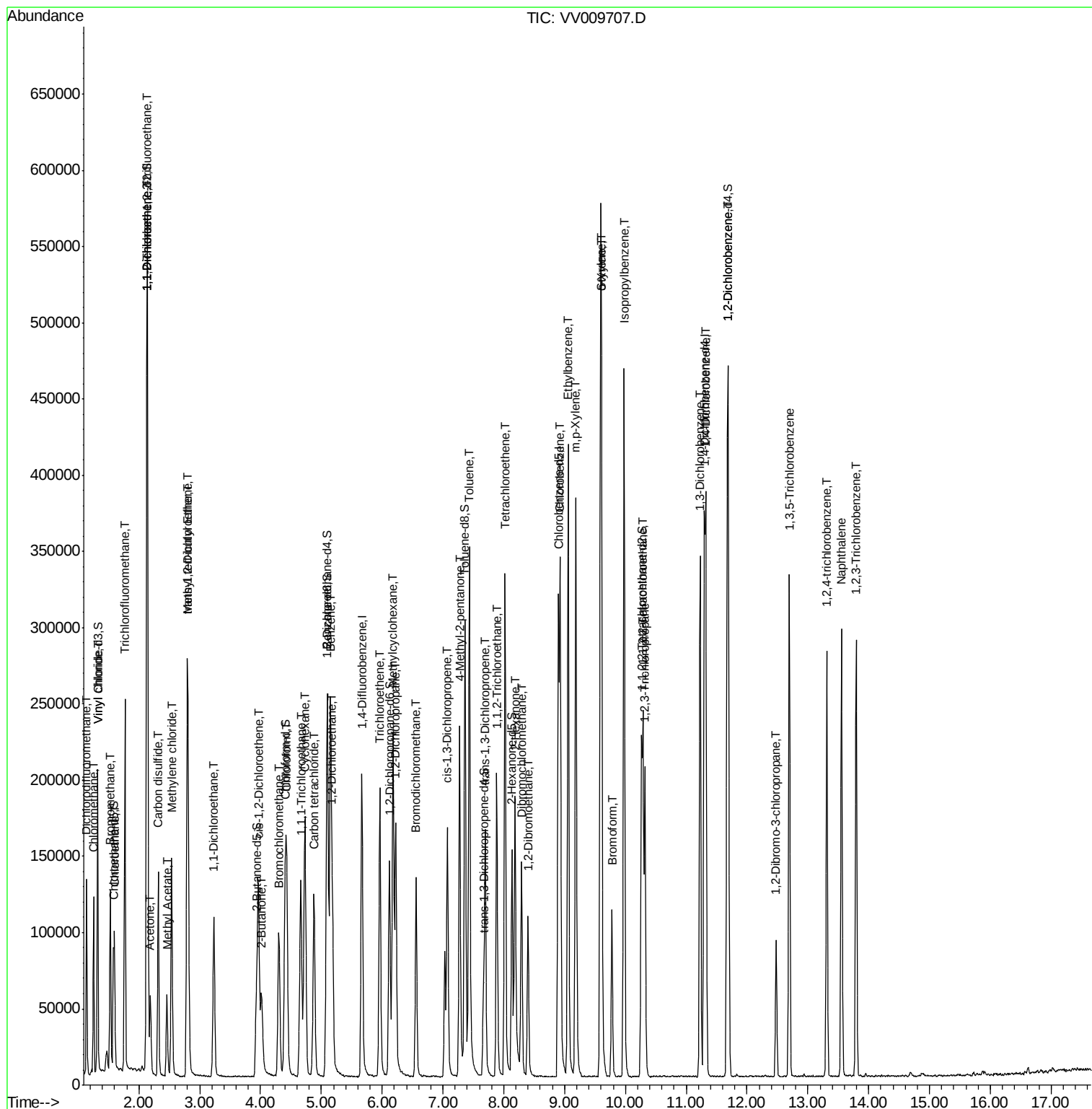
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32824	54.597	ug/L	97
25) Chloroform	4.43	83	115258	54.288	ug/L	97
27) 1,2-Dichloroethane	5.18	62	88242	53.047	ug/L #	95
29) Cyclohexane	4.73	56	91506	54.628	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	103451	56.870	ug/L	99
31) Carbon tetrachloride	4.88	117	85604	56.391	ug/L	99
33) Benzene	5.15	78	238738	55.279	ug/L	100
34) Trichloroethene	5.96	95	64327	55.806	ug/L	98
35) Methylcyclohexane	6.18	83	99026	53.105	ug/L	99
37) 1,2-Dichloropropane	6.22	63	58666	53.294	ug/L	100
38) Bromodichloromethane	6.56	83	83055	53.504	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	94648	53.945	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	156014	105.447	ug/L	99
42) Toluene	7.43	91	264533	53.740	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	86127	52.278	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	62235	54.814	ug/L	97
46) Tetrachloroethene	8.02	164	68687	75.794	ug/L	99
48) 2-Hexanone	8.18	43	115932	98.333	ug/L	97
49) Dibromochloromethane	8.29	129	67821	53.671	ug/L	99
50) 1,2-Dibromoethane	8.40	107	67403	56.044	ug/L	100
51) Chlorobenzene	8.93	112	175232	53.027	ug/L	97
52) Ethylbenzene	9.06	91	304028	54.520	ug/L	98
53) m,p-Xylene	9.18	106	113270	53.020	ug/L	100
54) o-Xylene	9.59	106	116236	53.902	ug/L	95
55) Styrene	9.61	104	191675	54.861	ug/L	96
56) Isopropylbenzene	9.98	105	304746	54.276	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	104745	52.183	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	78996	52.927	ug/L	98
61) Bromoform	9.78	173	44188	45.722	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	133220	51.122	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	132770	51.690	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	134326	50.311	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	20301	50.306	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	90095	53.340	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	74720	63.913	ug/L	98
69) Naphthalene	13.55	128	223794	67.986	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	77210	62.692	ug/L	97

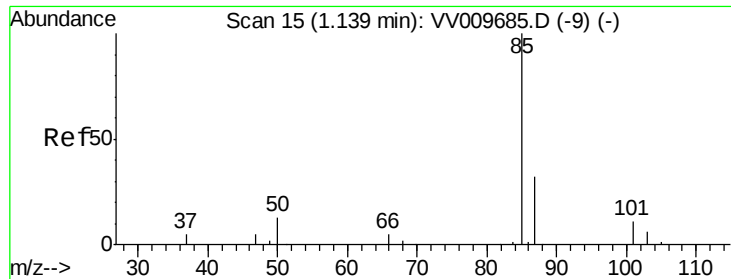
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 60.864 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

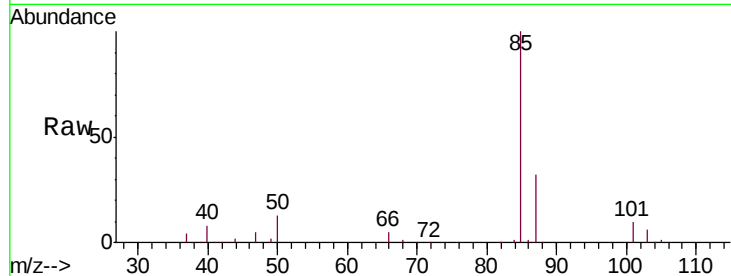
VSTD05081

Tgt Ion: 85 Resp: 66736

Ion Ratio Lower Upper

85 100

87 32.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV009685.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009685.D (-9) (-)

1.14

80000

60000

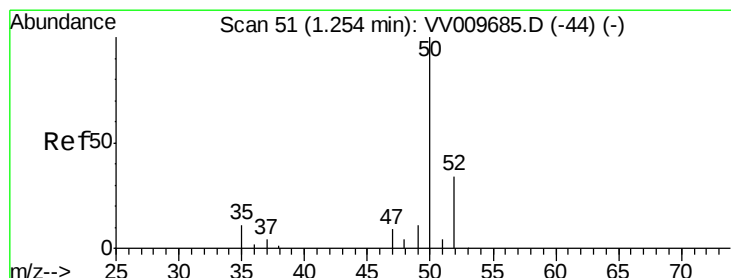
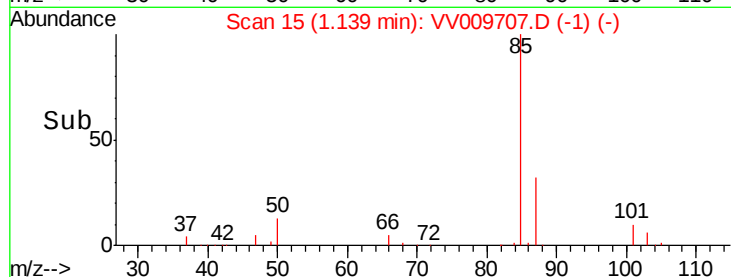
40000

20000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 56.532 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009707.D

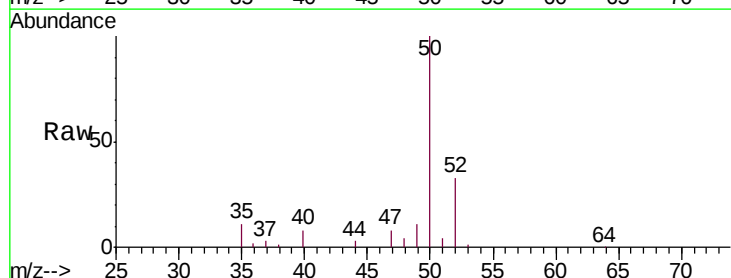
Acq: 16 Mar 2019 00:00

Tgt Ion: 50 Resp: 59209

Ion Ratio Lower Upper

50 100

52 33.1 24.7 45.9



Abundance Ion 50.00 (49.70 to 50.70): VV009685.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV009685.D (-44) (-)

1.25

60000

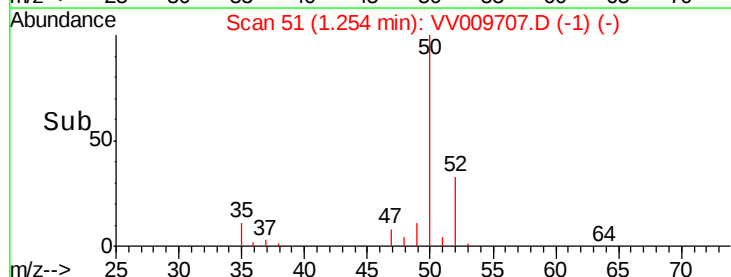
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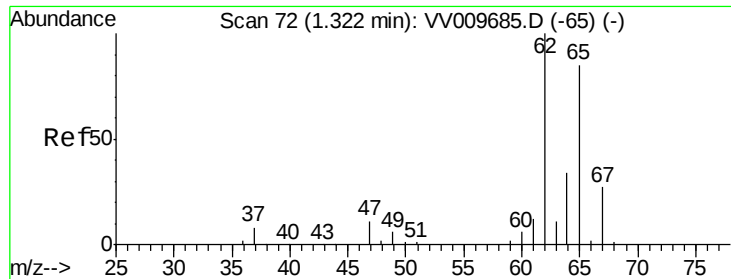
20000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 59.076 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

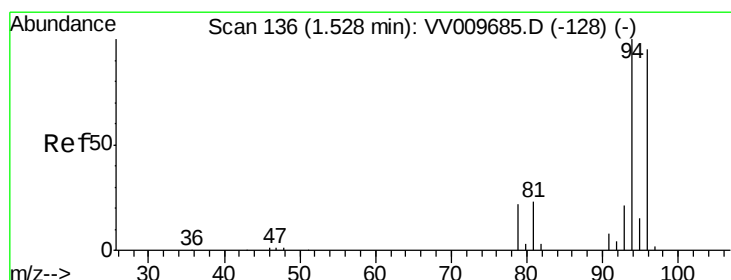
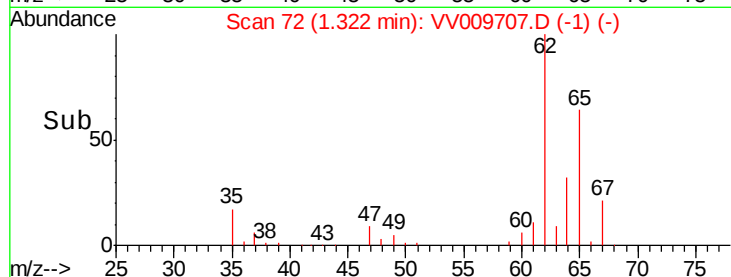
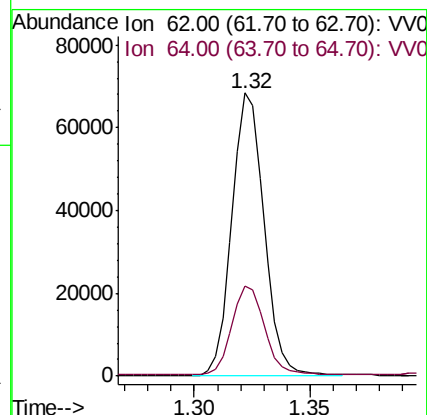
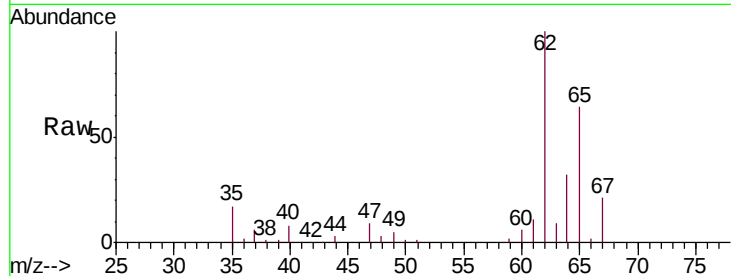
VSTD05081

Tgt Ion: 62 Resp: 65973

Ion Ratio Lower Upper

62 100

64 31.8 23.7 44.1



#6

Bromomethane

Concen: 50.931 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV009707.D

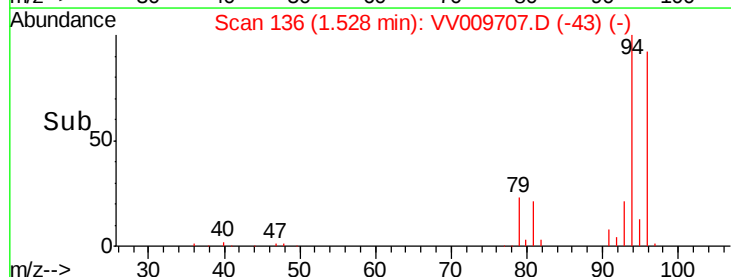
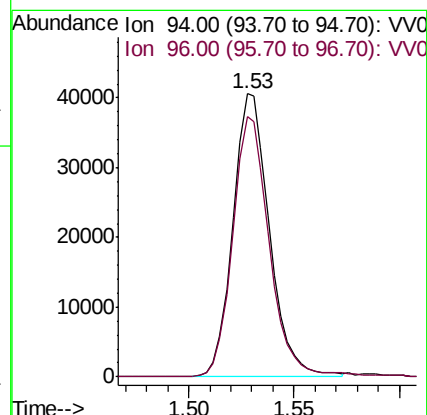
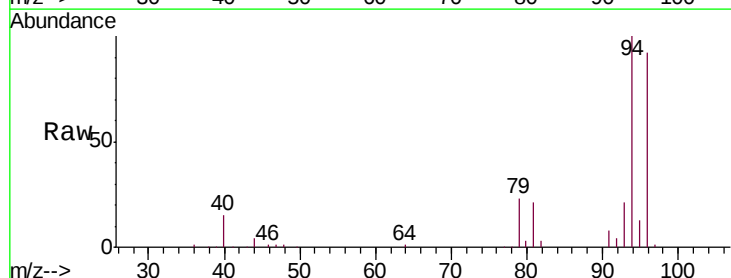
Acq: 16 Mar 2019 00:00

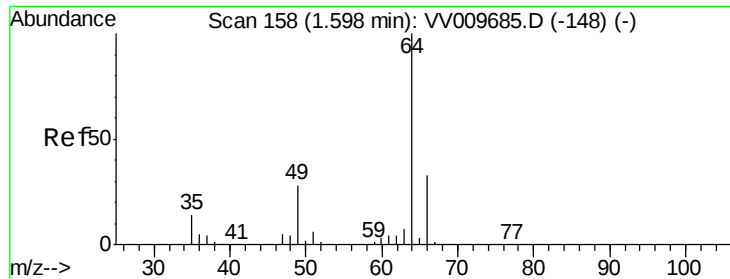
Tgt Ion: 94 Resp: 48515

Ion Ratio Lower Upper

94 100

96 92.1 65.5 121.7





#8

Chloroethane

Concen: 50.917 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

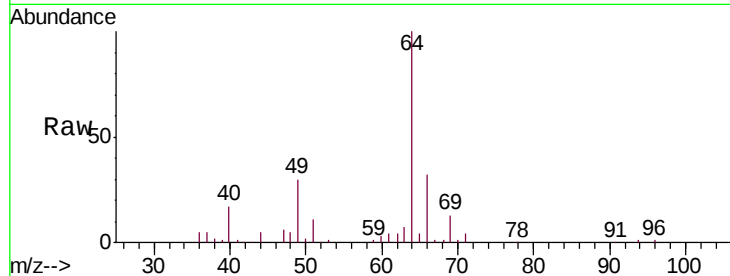
VSTD05081

Tgt Ion: 64 Resp: 44283

Ion Ratio Lower Upper

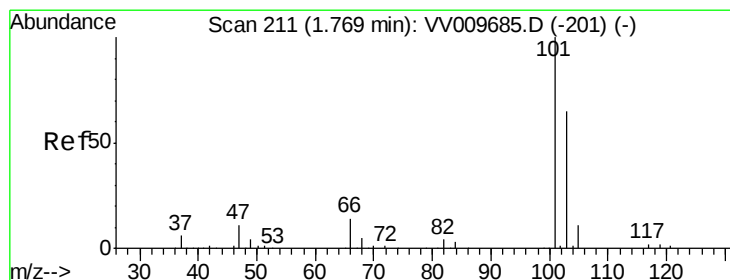
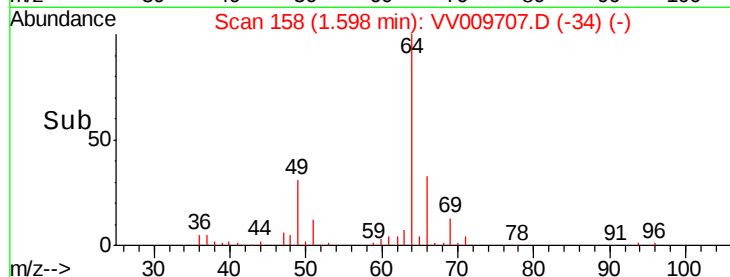
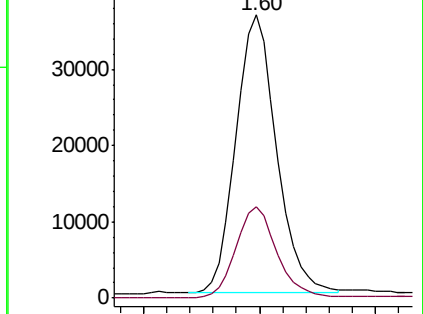
64 100

66 32.5 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV009707.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV009707.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 56.175 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV009707.D

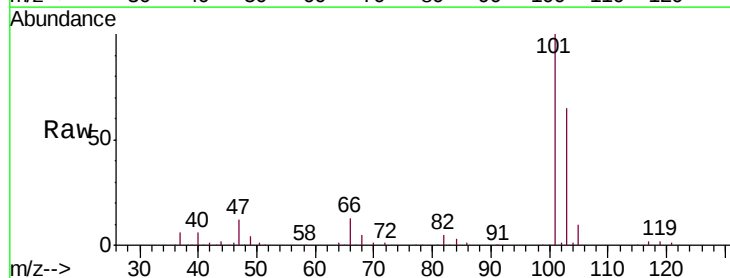
Acq: 16 Mar 2019 00:00

Tgt Ion: 101 Resp: 133001

Ion Ratio Lower Upper

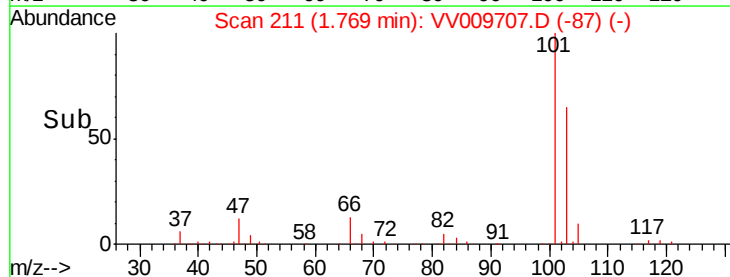
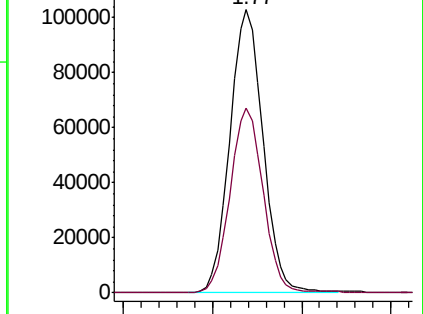
101 100

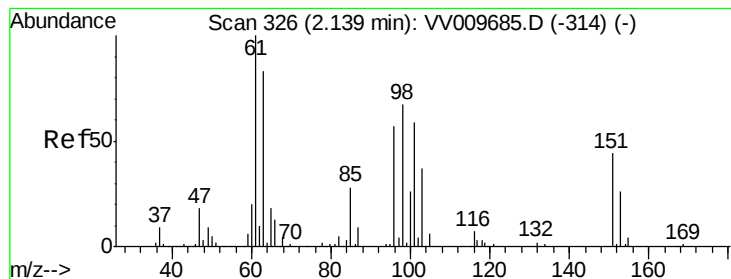
103 65.4 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV009707.D (-87) (-)

Ion 103.00 (102.70 to 103.70): VV009707.D (-87) (-)





#10

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

Concen: 55.554 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

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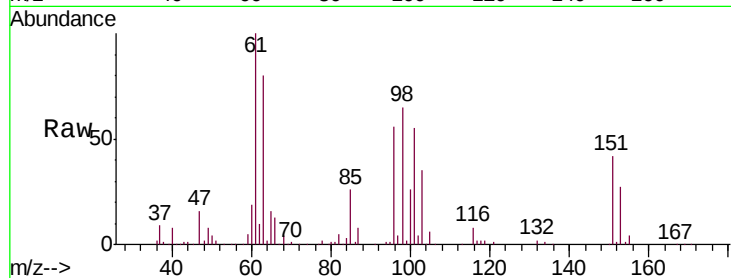
Tgt Ion: 101 Resp: 72931

Ion Ratio Lower Upper

101 100

85 47.7 37.8 56.6

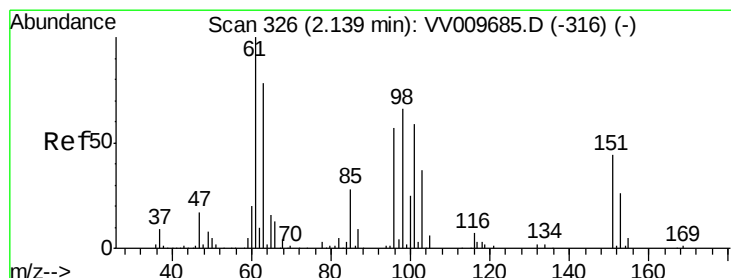
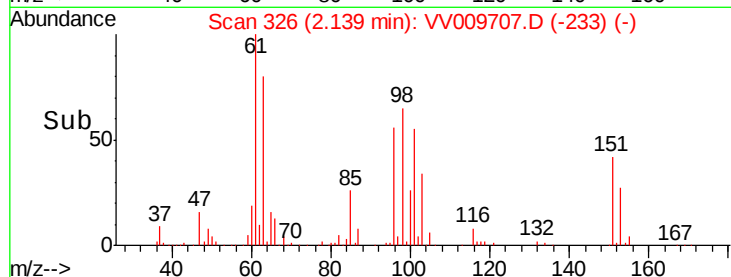
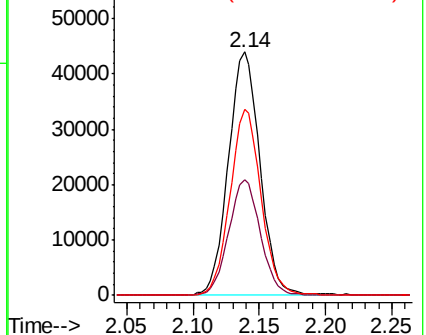
151 74.8 59.6 89.4



Abundance Ion 101.00 (100.70 to 101.70): VV009685.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV009685.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV009685.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 57.087 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

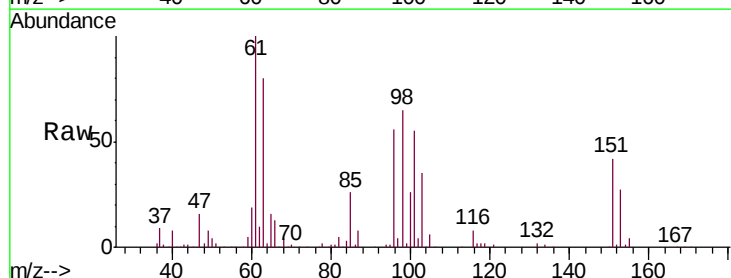
Tgt Ion: 96 Resp: 64114

Ion Ratio Lower Upper

96 100

61 178.0 122.1 226.7

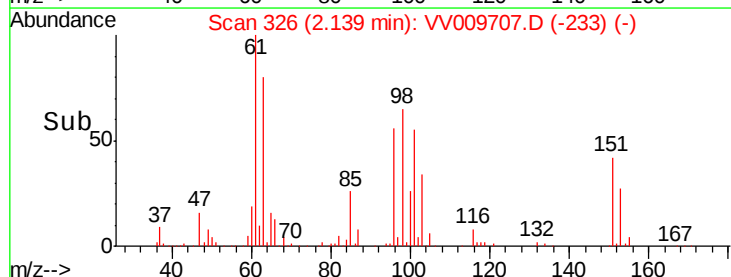
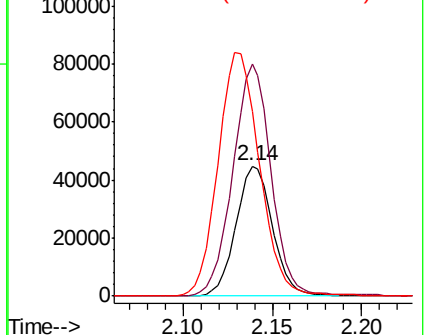
63 141.9 107.6 199.8

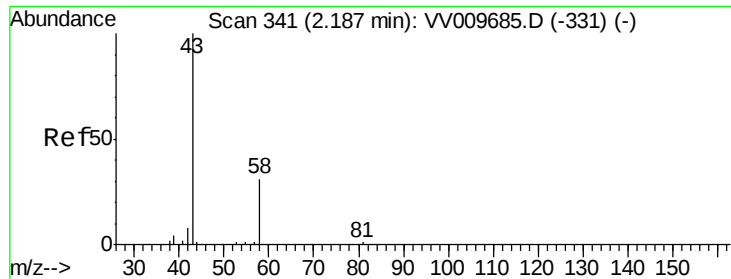


Abundance Ion 96.00 (95.70 to 96.70): VV009685.D (-316) (-)

Ion 61.00 (60.70 to 61.70): VV009685.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV009685.D (-316) (-)





#13

Acetone

Concen: 61.208 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

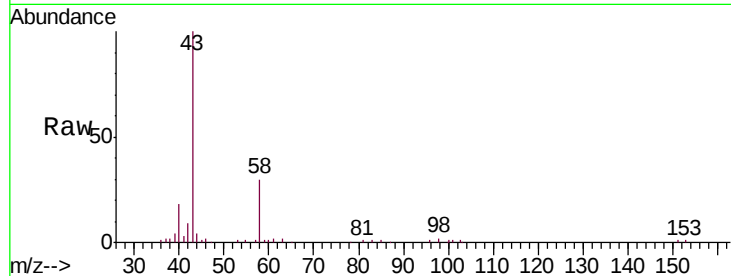
VSTD05081

Tgt Ion: 43 Resp: 48923

Ion Ratio Lower Upper

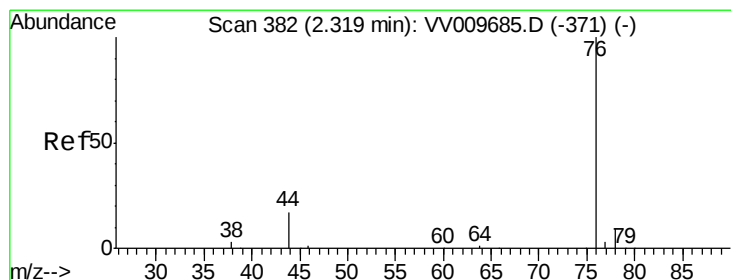
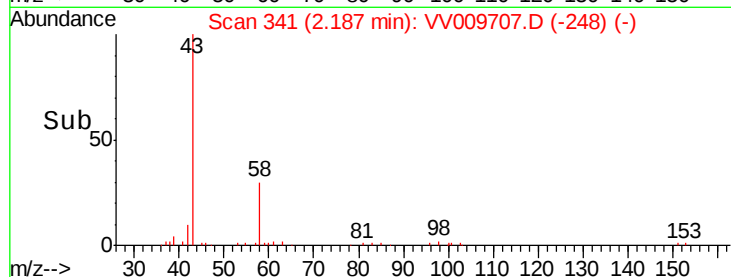
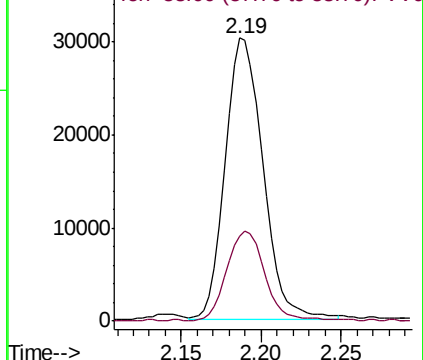
43 100

58 31.6 0.0 69.0



Abundance Ion 43.00 (42.70 to 43.70): VV009685.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009685.D (-331) (-)



#14

Carbon disulfide

Concen: 52.462 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV009707.D

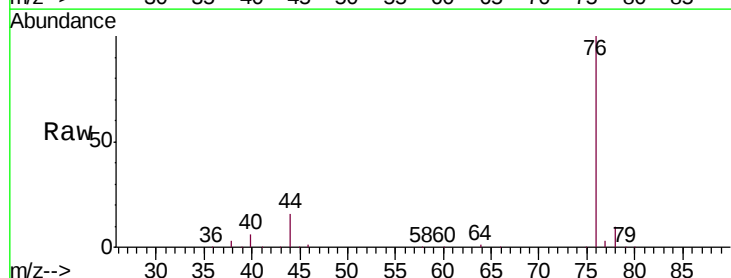
Acq: 16 Mar 2019 00:00

Tgt Ion: 76 Resp: 146989

Ion Ratio Lower Upper

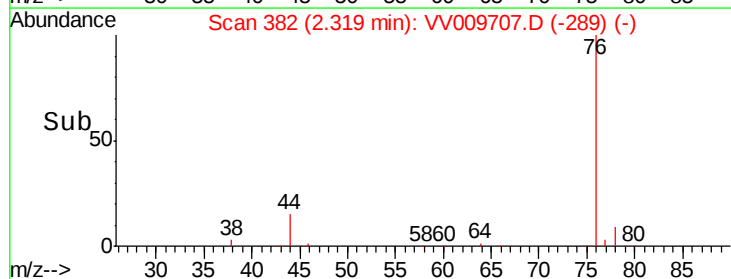
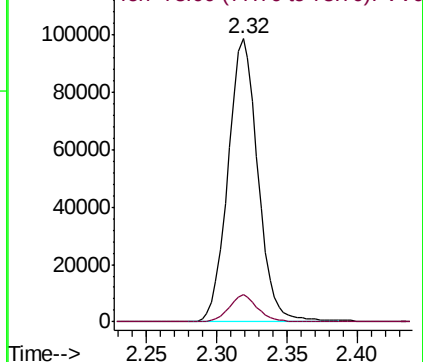
76 100

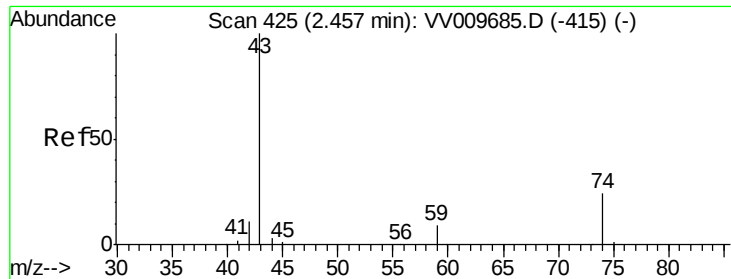
78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV009685.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV009685.D (-371) (-)





#15

Methyl Acetate

Concen: 55.028 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

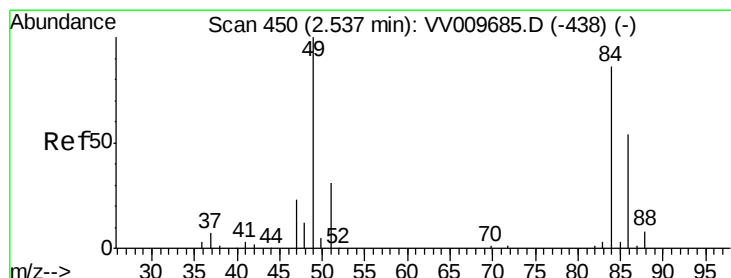
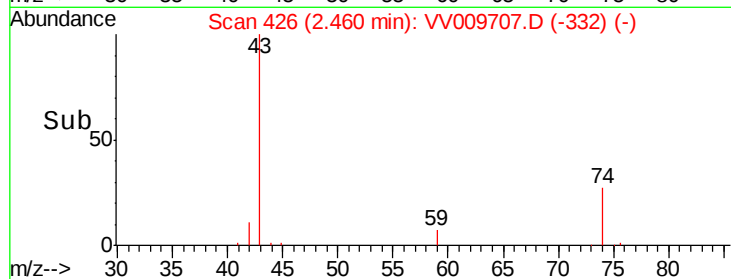
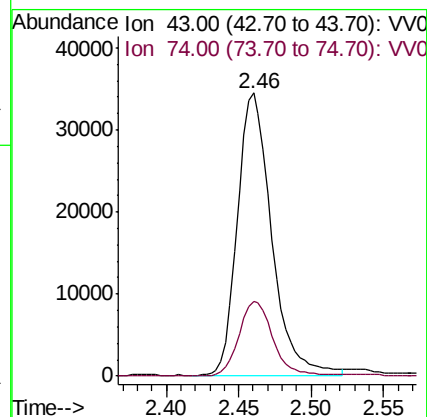
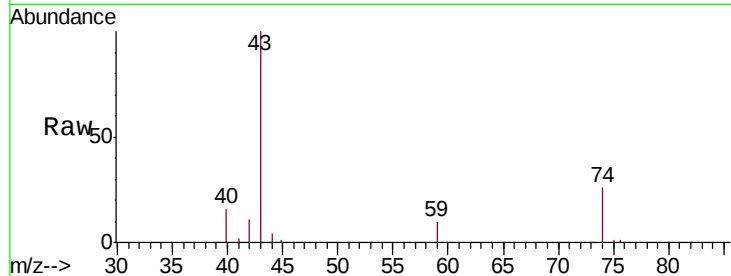
VSTD05081

Tgt Ion: 43 Resp: 57000

Ion Ratio Lower Upper

43 100

74 26.1 20.0 30.0



#16

Methylene chloride

Concen: 54.051 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

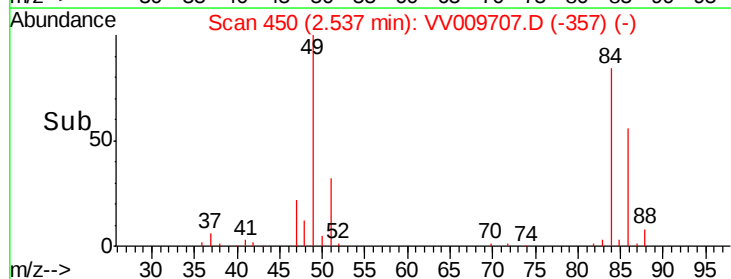
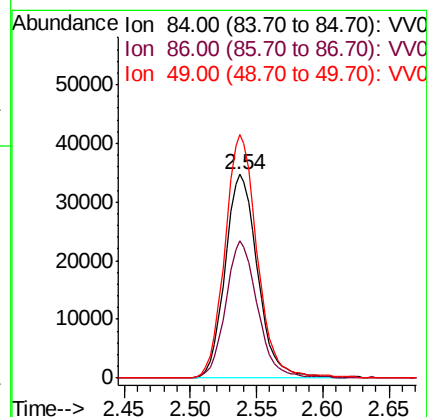
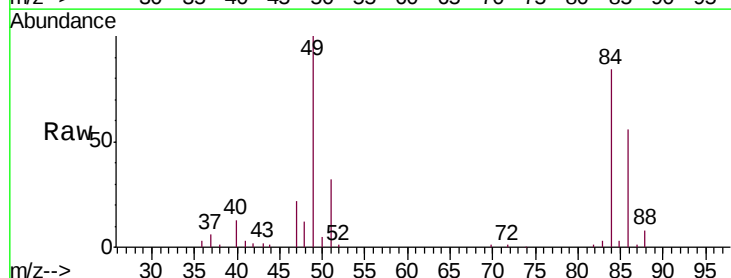
Tgt Ion: 84 Resp: 59078

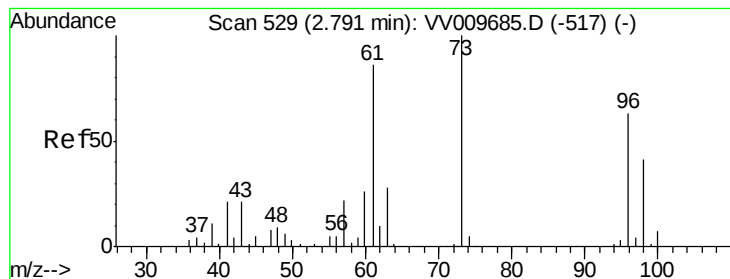
Ion Ratio Lower Upper

84 100

86 67.2 44.0 81.6

49 119.4 82.0 152.4





#17

trans-1,2-Dichloroethene

Concen: 54.692 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampled :

VSTD05081

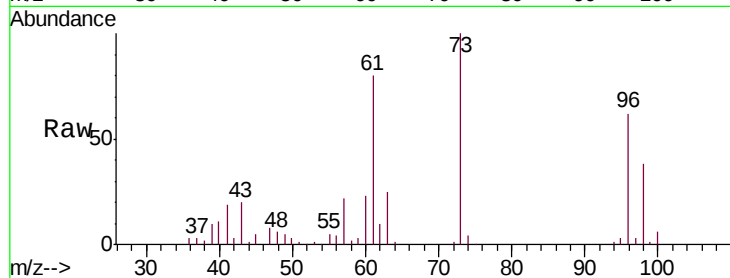
Tgt Ion: 96 Resp: 56017

Ion Ratio Lower Upper

96 100

61 130.1 94.0 174.6

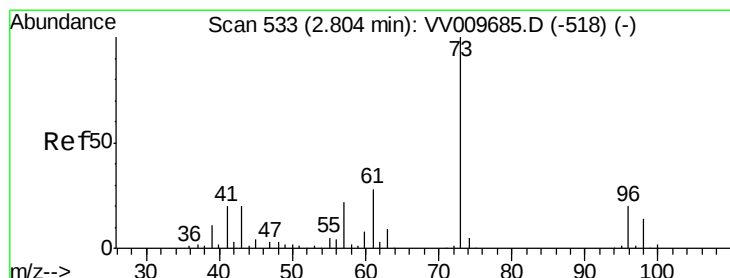
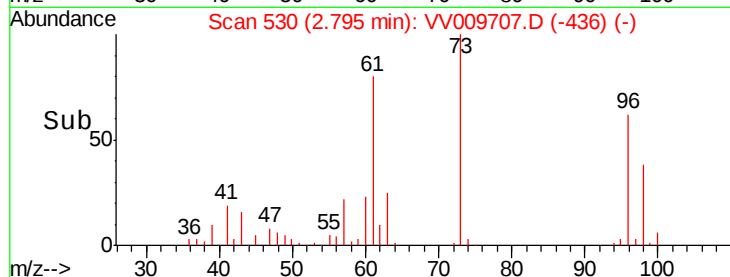
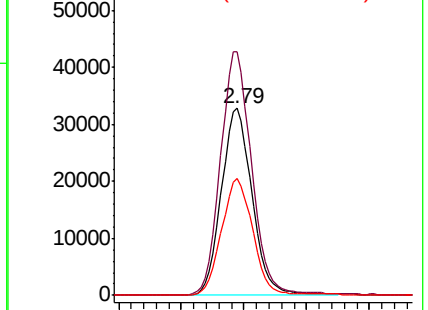
98 62.2 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VV009685.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV009685.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV009685.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 54.279 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

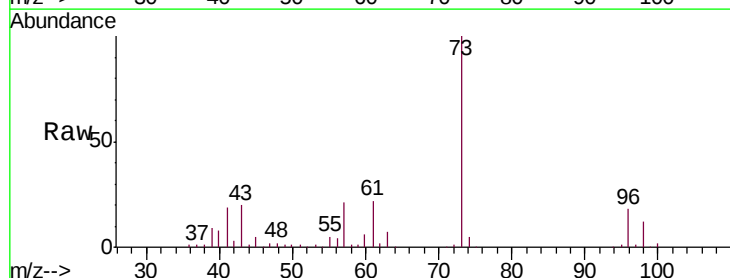
Tgt Ion: 73 Resp: 178670

Ion Ratio Lower Upper

73 100

43 19.8 16.3 24.5

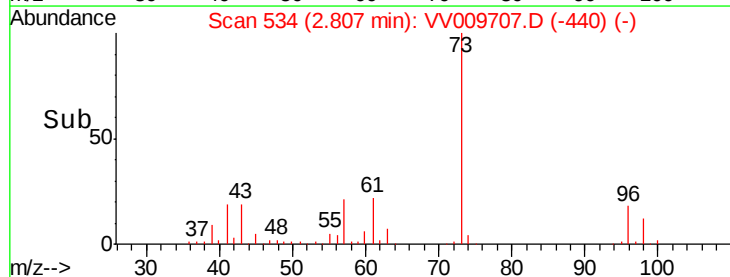
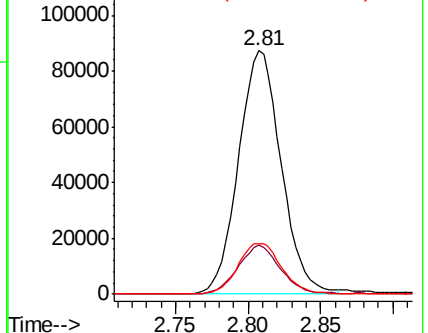
57 21.2 17.0 25.4

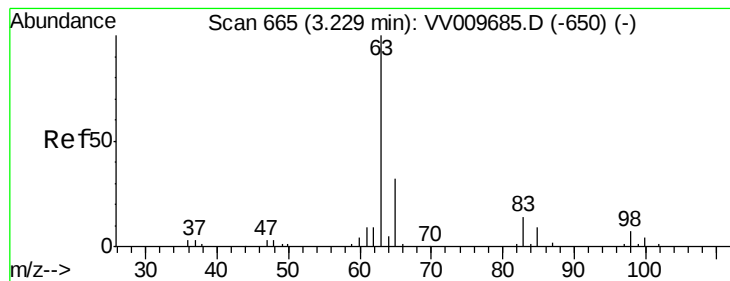


Abundance Ion 73.00 (72.70 to 73.70): VV009685.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV009685.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV009685.D (-518) (-)





#19

1,1-Dichloroethane

Concen: 54.264 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

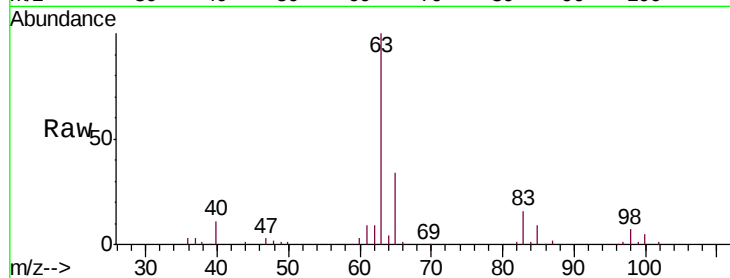
Tgt Ion: 63 Resp: 102775

Ion Ratio Lower Upper

63 100

65 33.6 22.5 41.7

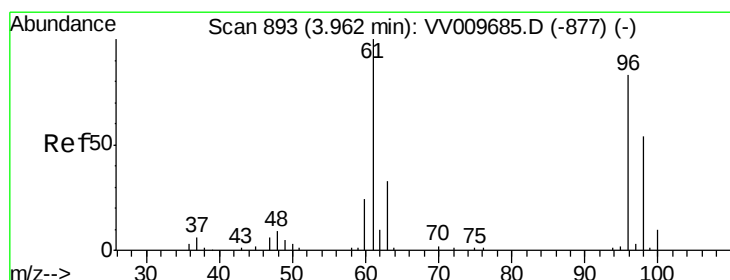
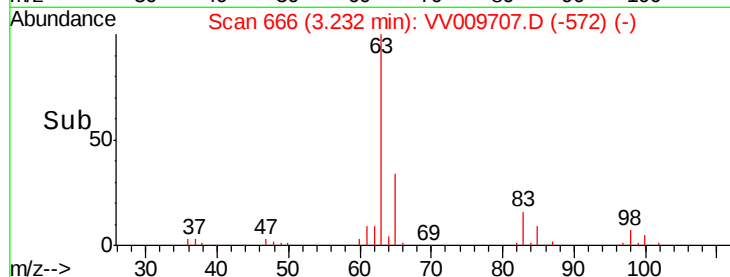
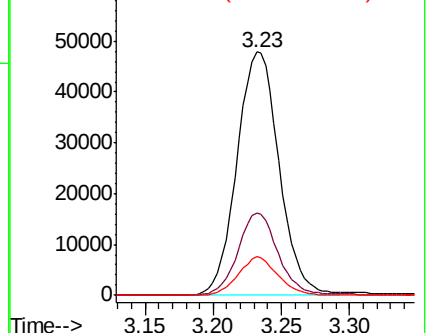
83 15.8 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV009707.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV009707.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV009707.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 55.575 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

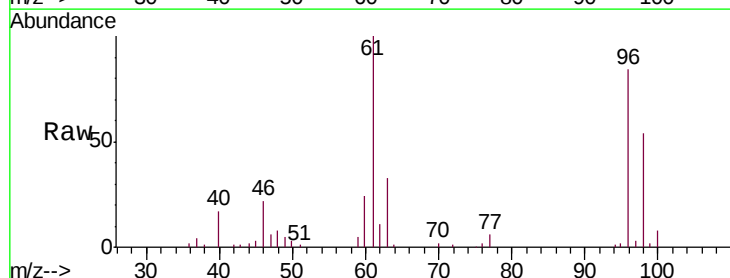
Tgt Ion: 96 Resp: 66211

Ion Ratio Lower Upper

96 100

61 118.7 82.4 153.0

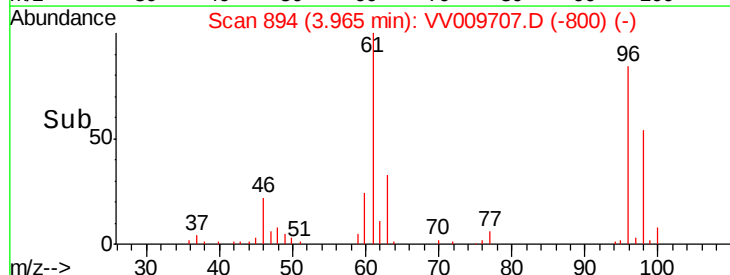
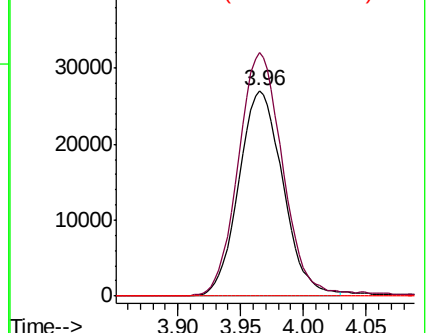
68 0.0 0.0 0.0

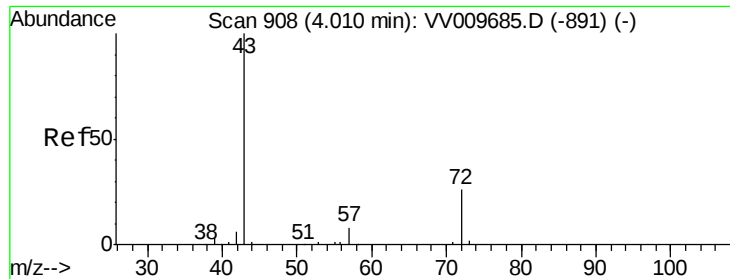


Abundance Ion 96.00 (95.70 to 96.70): VV009707.D (-800) (-)

Ion 61.00 (60.70 to 61.70): VV009707.D (-800) (-)

Ion 68.00 (67.70 to 68.70): VV009707.D (-800) (-)





#22

2-Butanone

Concen: 88.225 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

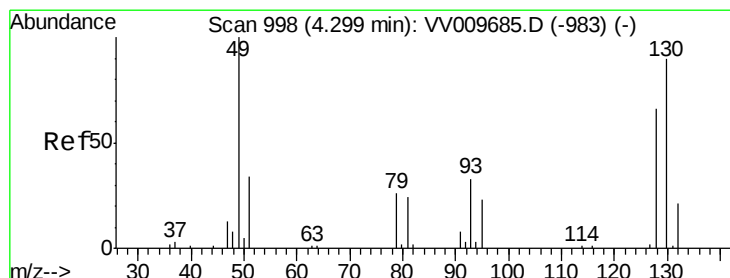
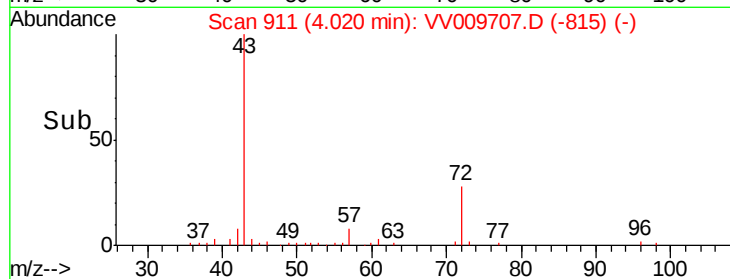
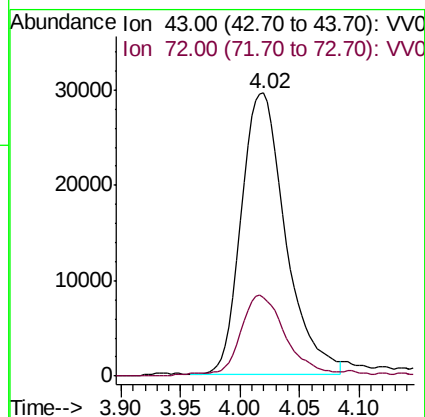
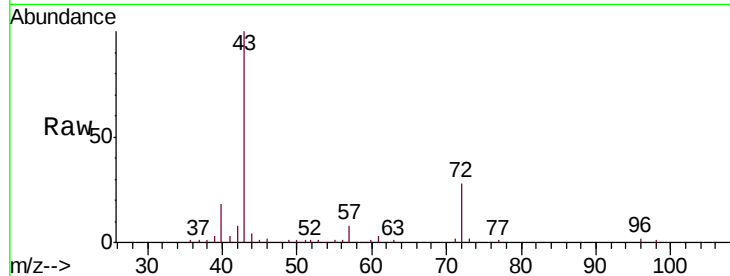
VSTD05081

Tgt Ion: 43 Resp: 76533

Ion Ratio Lower Upper

43 100

72 27.2 14.8 44.3



#23

Bromochloromethane

Concen: 54.597 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Tgt Ion: 128 Resp: 32824

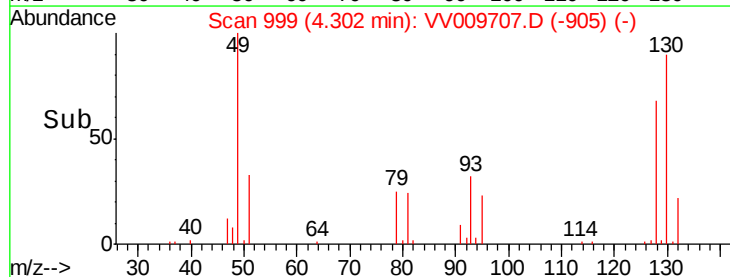
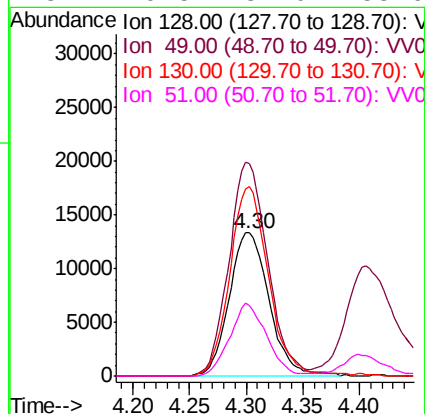
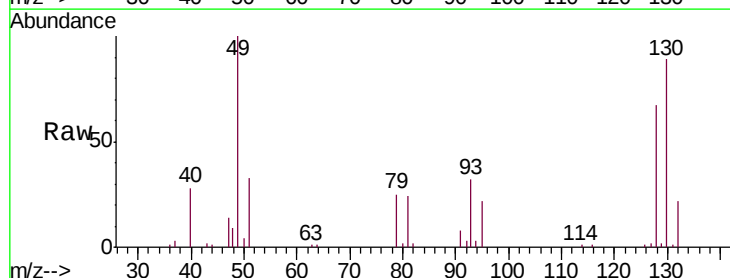
Ion Ratio Lower Upper

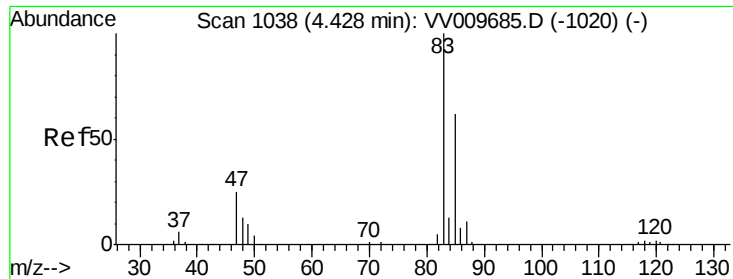
128 100

49 148.6 106.0 196.9

130 132.0 89.2 165.8

51 49.5 37.0 55.6

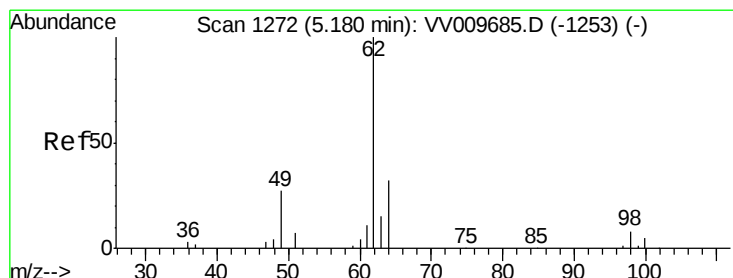
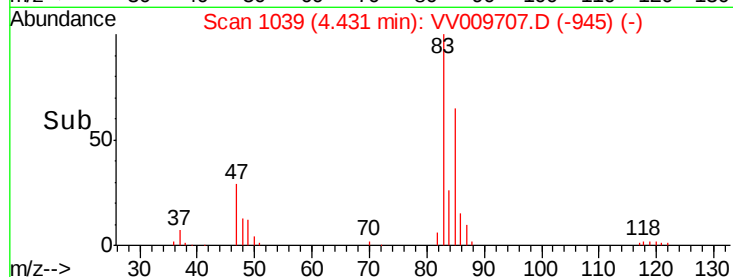
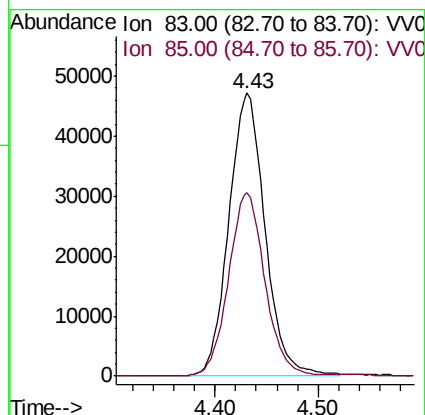
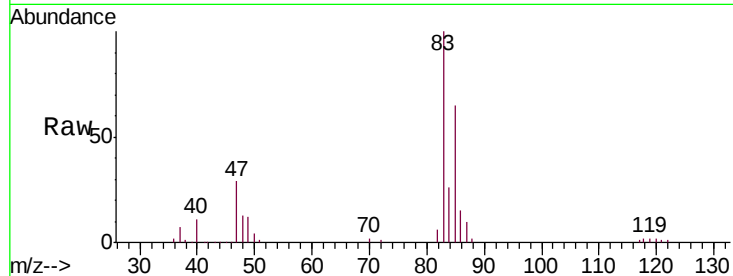




#25
Chloroform
Concen: 54.288 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009707.D
Acq: 16 Mar 2019 00:00

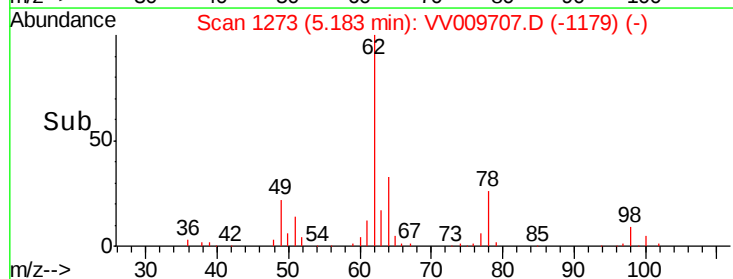
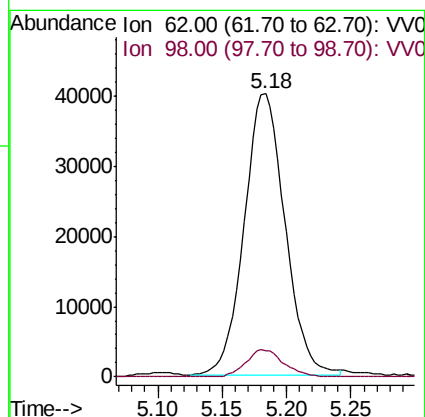
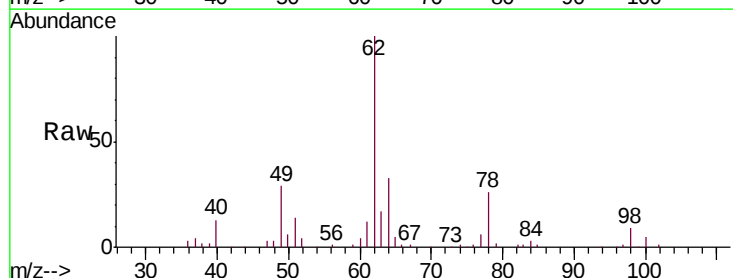
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

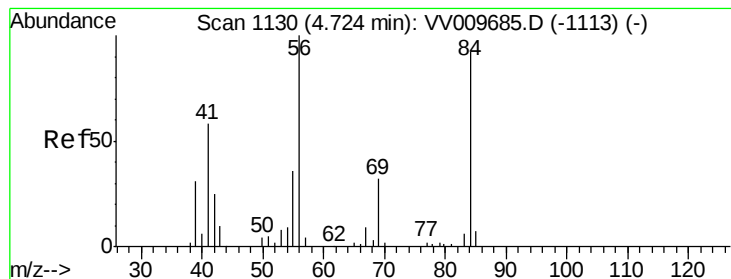
Tgt Ion: 83 Resp: 115258
Ion Ratio Lower Upper
83 100
85 64.7 47.0 87.4



#27
1,2-Dichloroethane
Concen: 53.047 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV009707.D
Acq: 16 Mar 2019 00:00

Tgt Ion: 62 Resp: 88242
Ion Ratio Lower Upper
62 100
98 9.4 6.2 9.4#





#29

Cyclohexane

Concen: 54.628 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

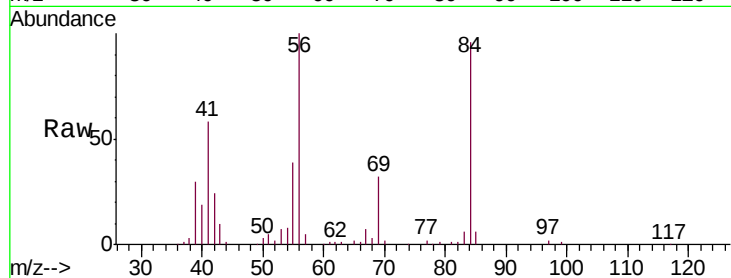
Tgt Ion: 56 Resp: 91506

Ion Ratio Lower Upper

56 100

69 32.0 25.1 37.7

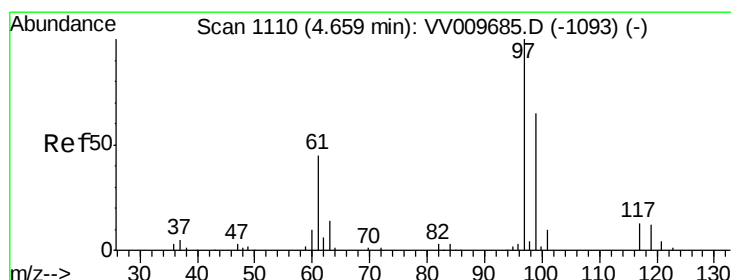
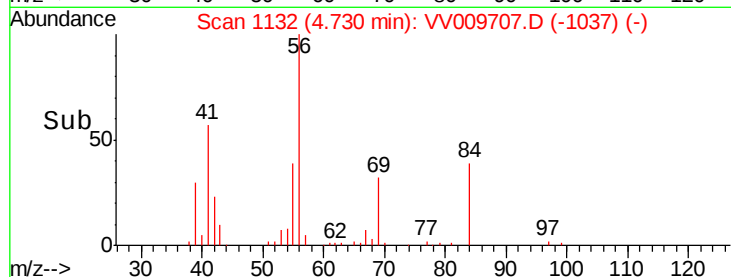
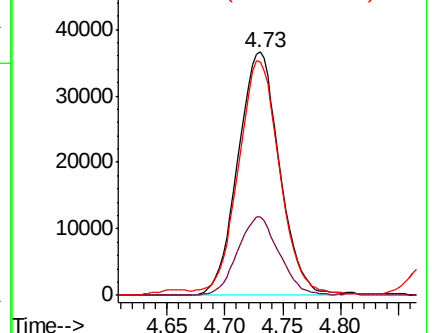
84 93.6 73.4 110.0



Abundance Ion 56.00 (55.70 to 56.70): VV009707.D (-1037) (-)

Ion 69.00 (68.70 to 69.70): VV009707.D (-1037) (-)

Ion 84.00 (83.70 to 84.70): VV009707.D (-1037) (-)



#30

1,1,1-Trichloroethane

Concen: 56.870 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

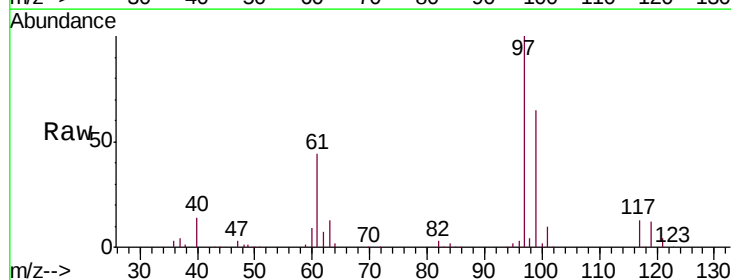
Tgt Ion: 97 Resp: 103451

Ion Ratio Lower Upper

97 100

99 63.0 51.0 76.6

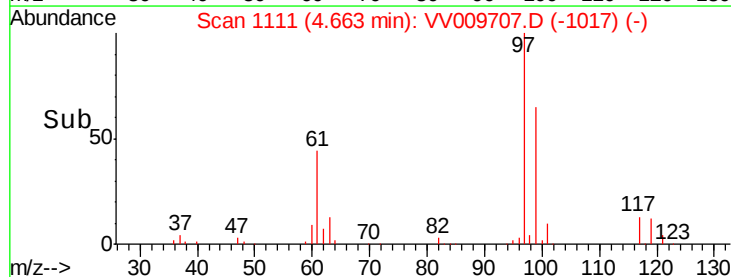
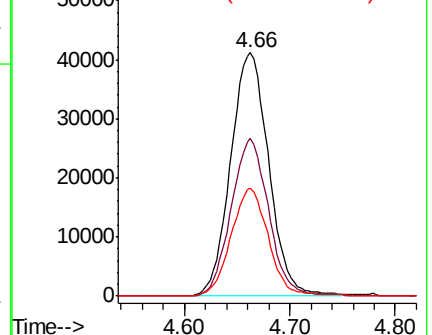
61 43.2 33.9 50.9

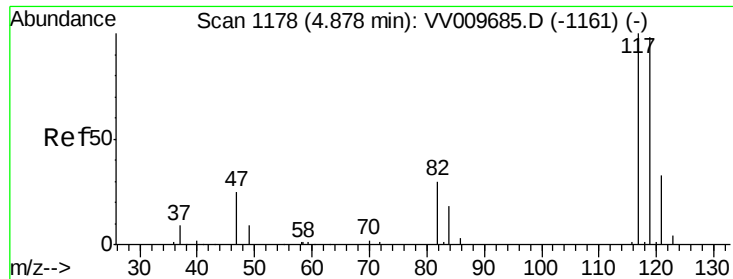


Abundance Ion 97.00 (96.70 to 97.70): VV009707.D (-1017) (-)

Ion 99.00 (98.70 to 99.70): VV009707.D (-1017) (-)

Ion 61.05 (60.75 to 61.75): VV009707.D (-1017) (-)





#31

Carbon tetrachloride

Concen: 56.391 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

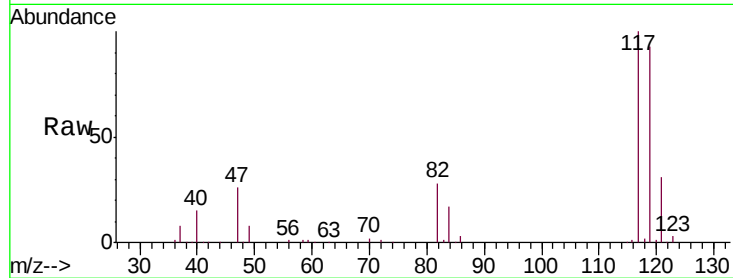
VSTD05081

Tgt Ion:117 Resp: 85604

Ion Ratio Lower Upper

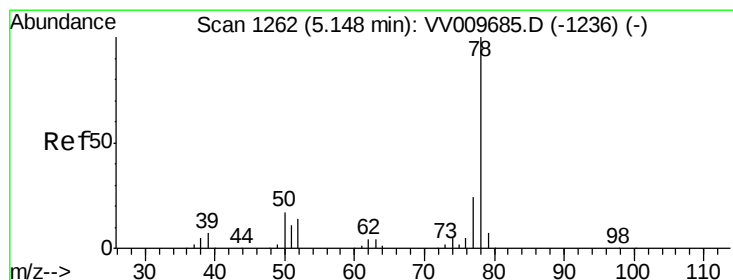
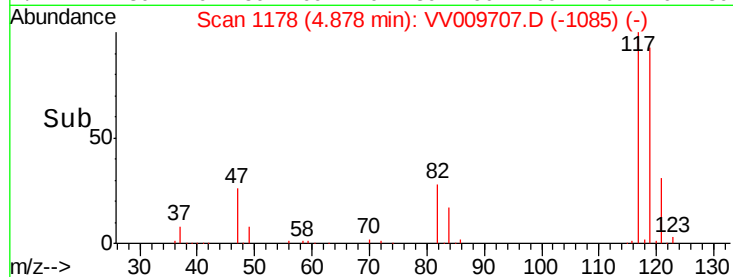
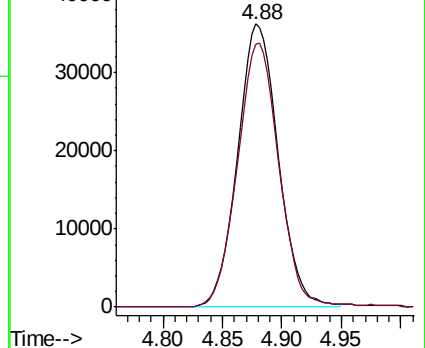
117 100

119 94.7 75.1 112.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 55.279 ug/L

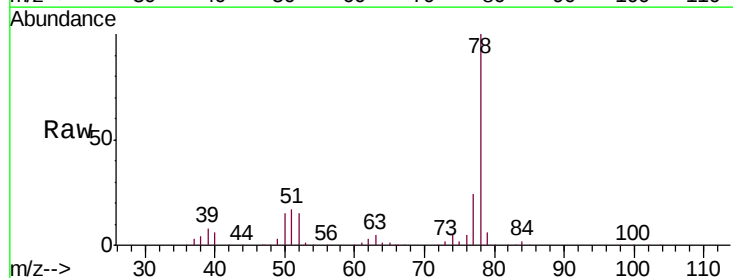
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

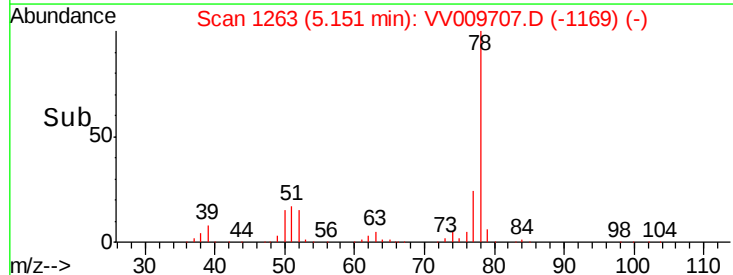
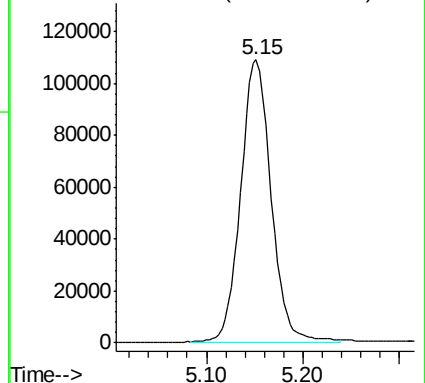
Lab File: VV009707.D

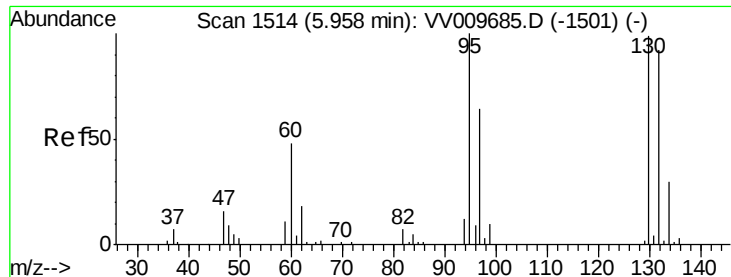
Acq: 16 Mar 2019 00:00

Tgt Ion: 78 Resp: 238738



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 55.806 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

Tgt Ion: 95 Resp: 64327

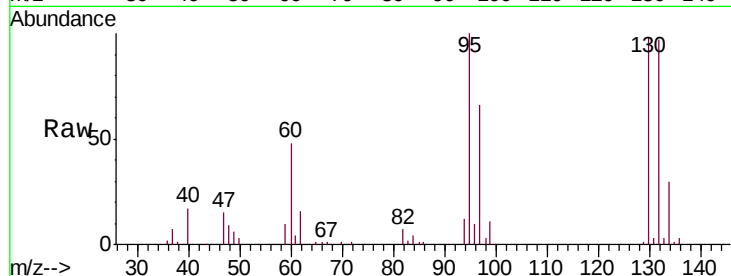
Ion Ratio Lower Upper

95 100

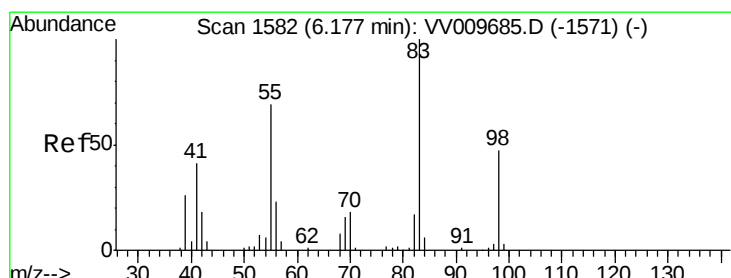
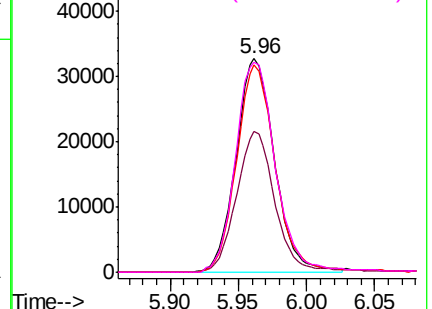
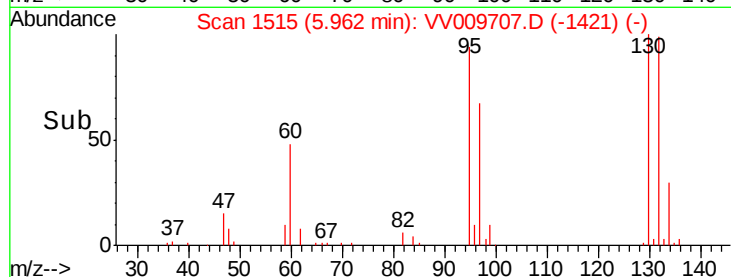
97 65.8 44.2 82.2

132 97.3 66.5 123.5

130 98.4 67.8 125.8



Abundance Ion 95.00 (94.70 to 95.70): VV009707.D (-1421) (-)



#35

Methylcyclohexane

Concen: 53.105 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

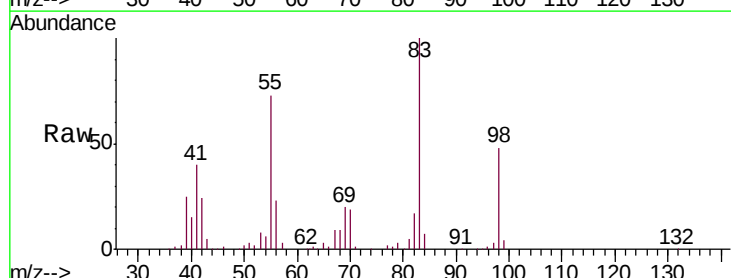
Tgt Ion: 83 Resp: 99026

Ion Ratio Lower Upper

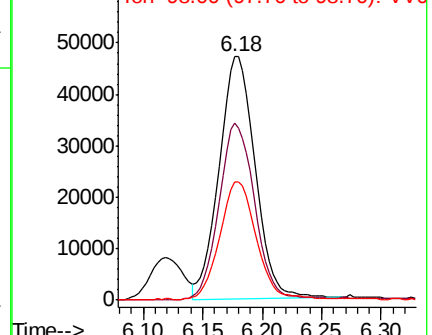
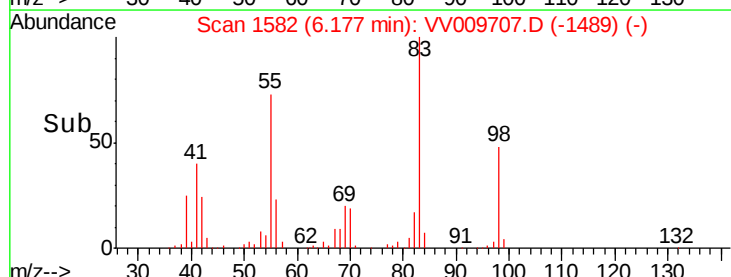
83 100

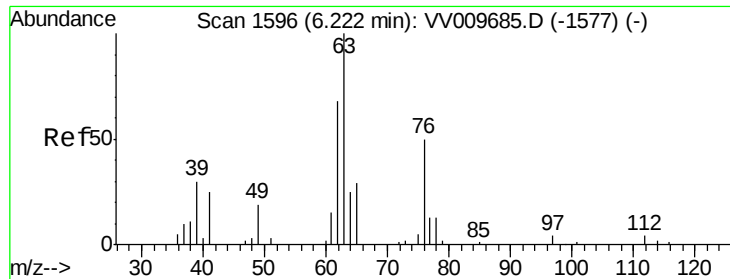
55 71.5 57.9 86.9

98 49.3 39.2 58.8



Abundance Ion 83.00 (82.70 to 83.70): VV009707.D (-1489) (-)

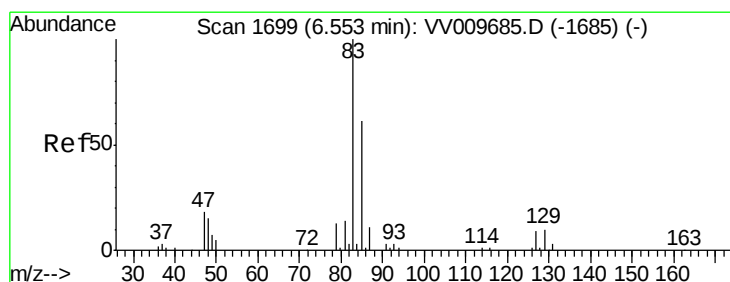
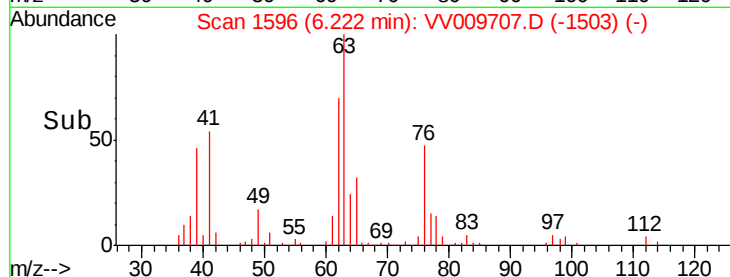
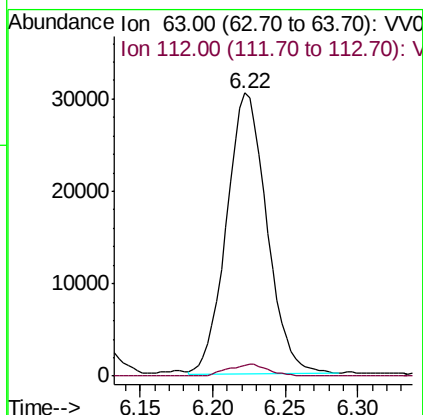
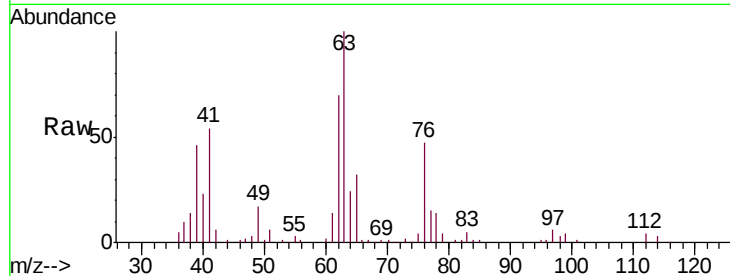




#37
 1,2-Dichloropropane
 Concen: 53.294 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

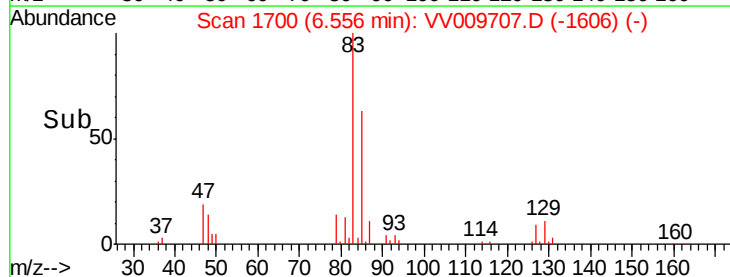
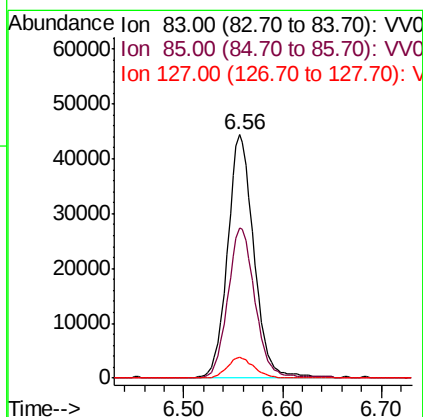
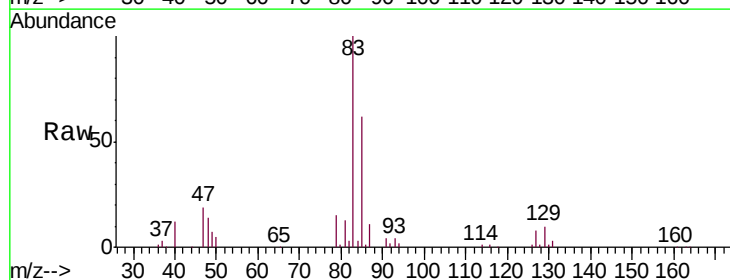
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

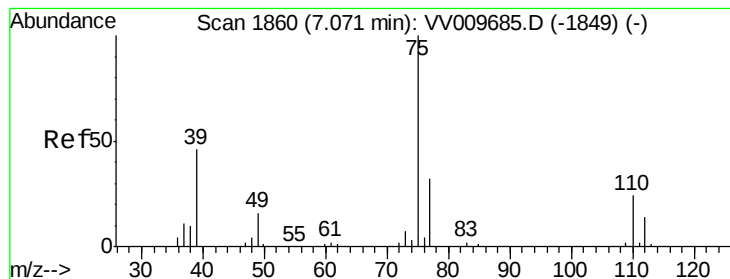
Tgt Ion: 63 Resp: 58666
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.0



#38
 Bromodichloromethane
 Concen: 53.504 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

Tgt Ion: 83 Resp: 83055
 Ion Ratio Lower Upper
 83 100
 85 61.7 45.0 83.6
 127 8.4 6.6 10.0



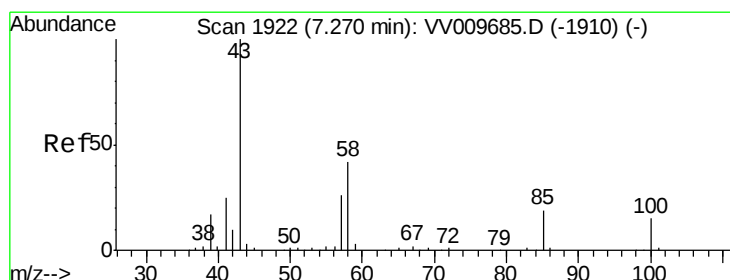
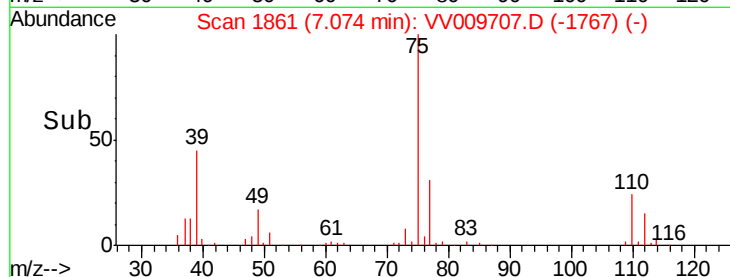
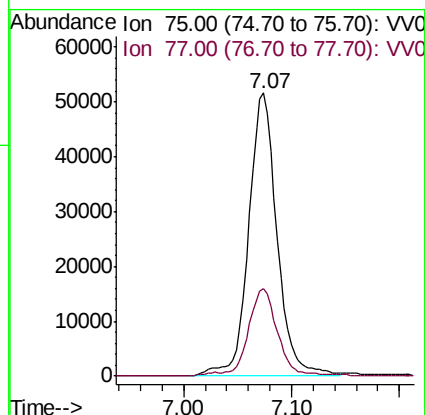
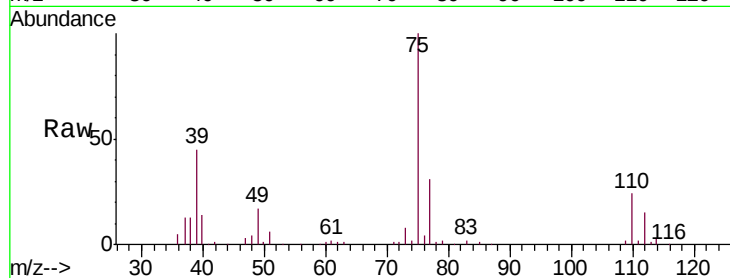


#39

cis-1,3-Dichloropropene
 Concen: 53.945 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

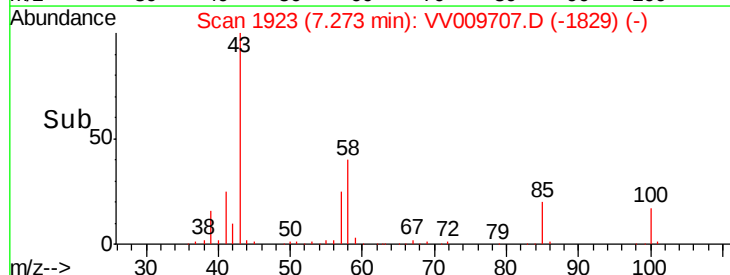
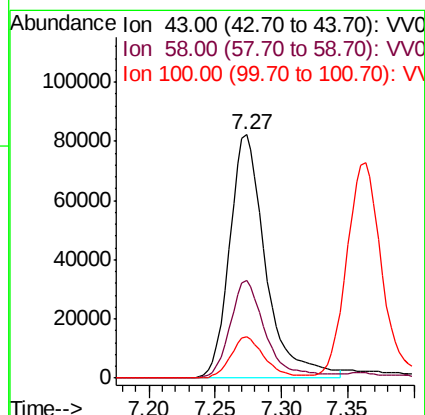
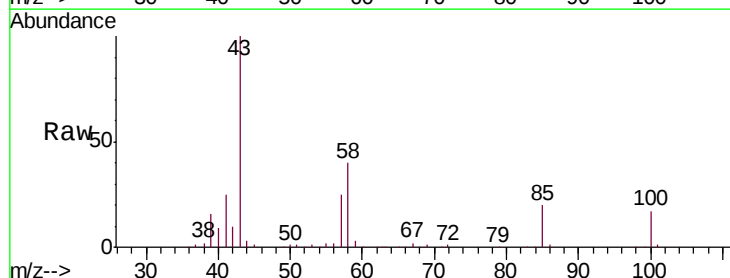
Tgt Ion: 75 Resp: 94648
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.3 41.5

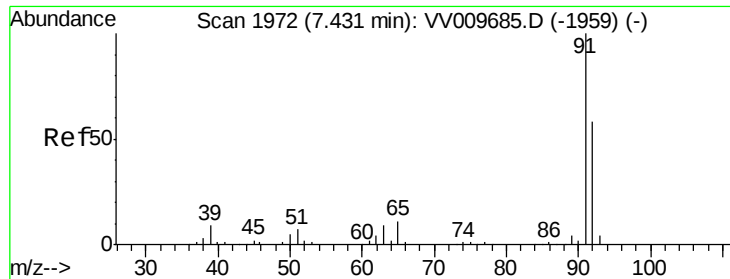


#40

4-Methyl-2-pentanone
 Concen: 105.447 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

Tgt Ion: 43 Resp: 156014
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.1 48.1
 100 15.9 12.9 19.3





#42

Toluene

Concen: 53.740 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

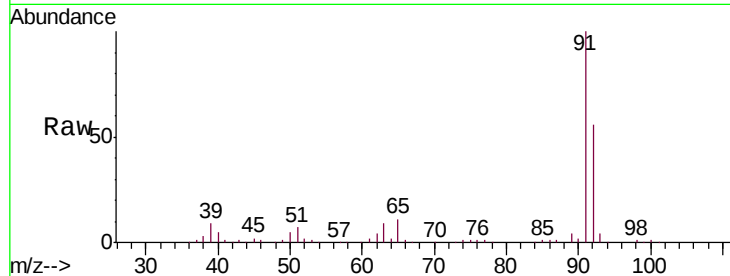
VSTD05081

Tgt Ion: 91 Resp: 264533

Ion Ratio Lower Upper

91 100

92 56.3 38.6 71.6



Abundance Ion 91.00 (90.70 to 91.70): VV009685.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009685.D (-1959) (-)

7.43

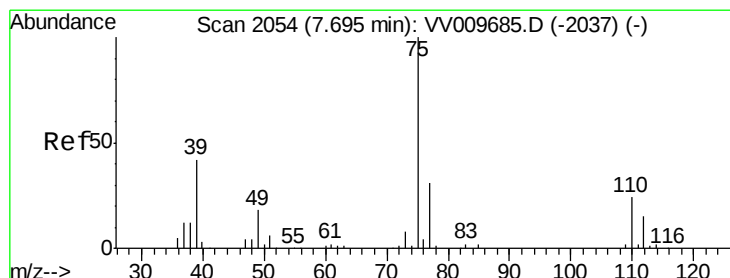
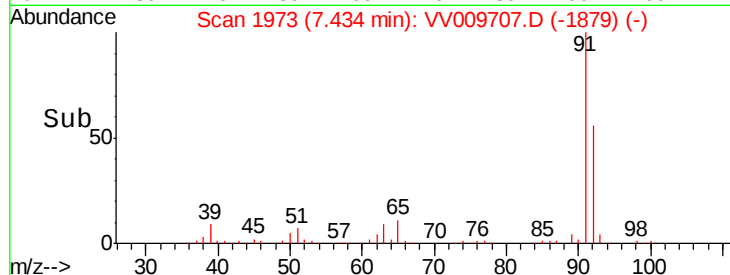
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.278 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009707.D

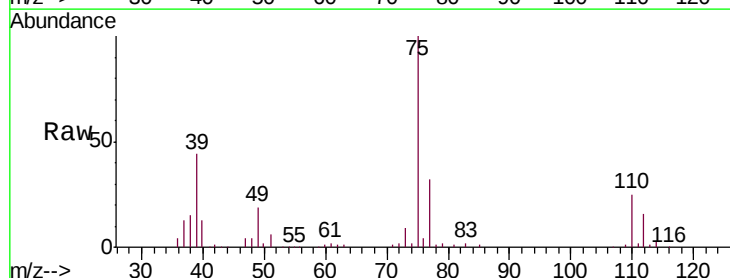
Acq: 16 Mar 2019 00:00

Tgt Ion: 75 Resp: 86127

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV009685.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009685.D (-2037) (-)

7.69

50000

40000

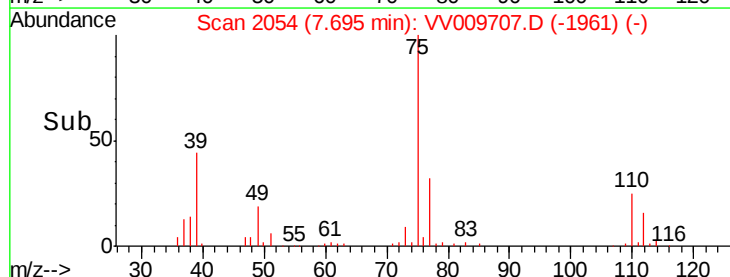
30000

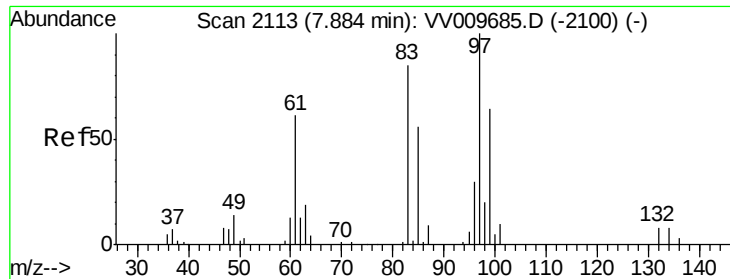
20000

10000

0

Time-->

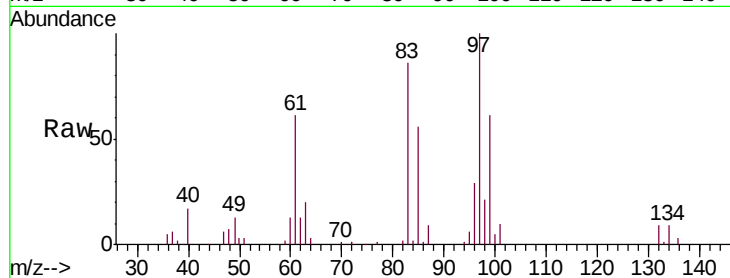




#45
 1,1,2-Trichloroethane
 Concen: 54.814 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tgt Ion:	97	Resp:	62235
Ion	Ratio	Lower	Upper
97	100		
99	60.8	44.0	81.8
83	85.6	61.5	114.3
85	56.4	41.0	76.2



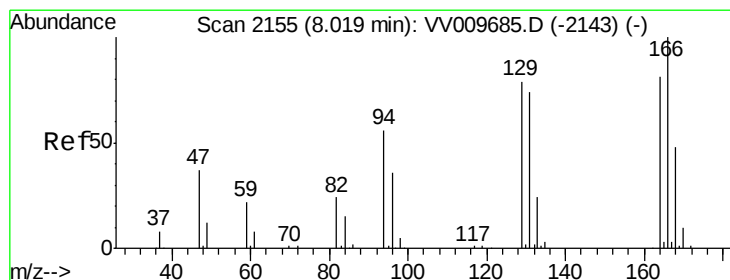
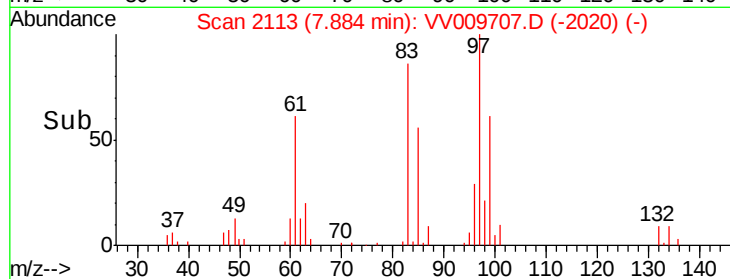
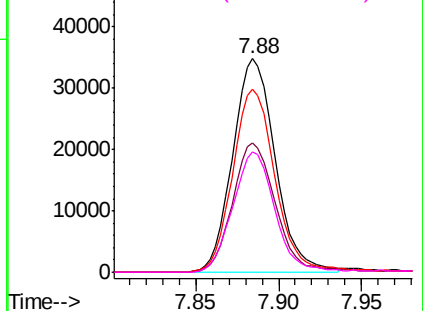
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

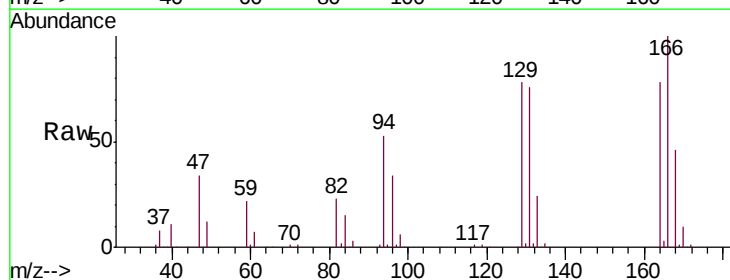
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 75.794 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

Tgt Ion:	164	Resp:	68687
Ion	Ratio	Lower	Upper
164	100		
129	99.5	70.8	131.6
131	96.7	68.3	126.9
166	127.7	89.5	166.3



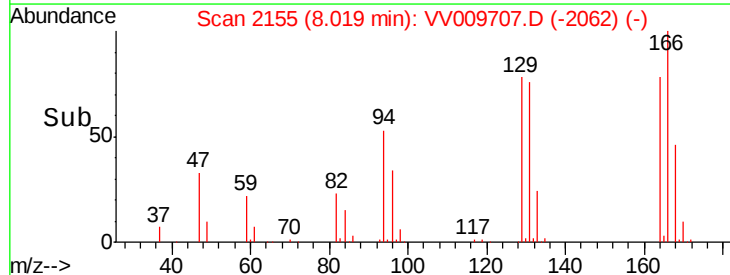
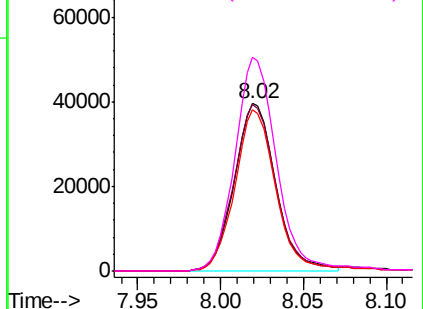
Abundance

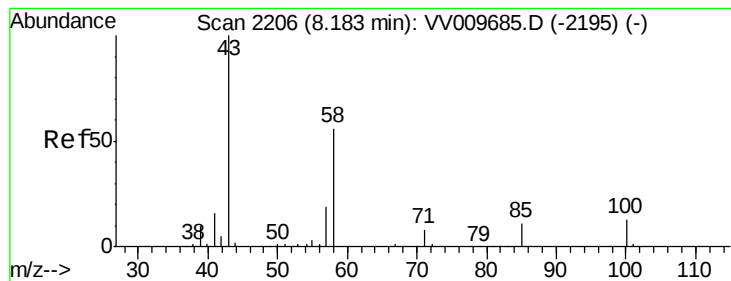
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 98.333 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

Tgt Ion: 43 Resp: 115932

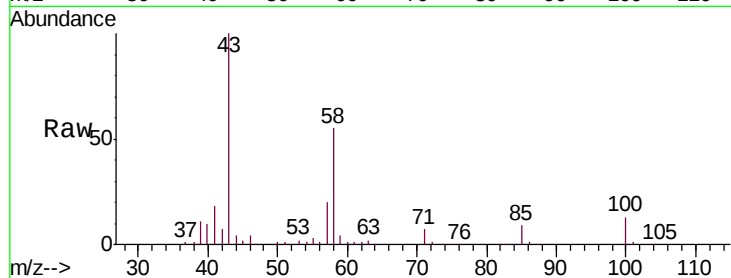
Ion Ratio Lower Upper

43 100

58 56.2 45.8 68.8

57 21.1 14.5 21.7

100 13.7 9.8 14.8

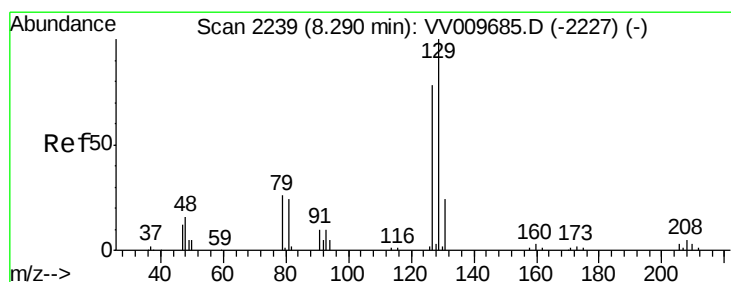
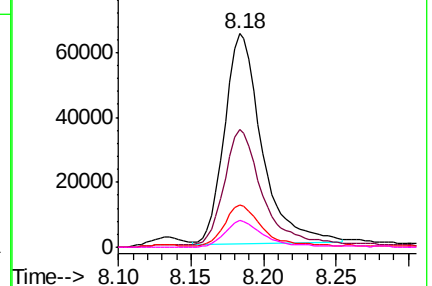
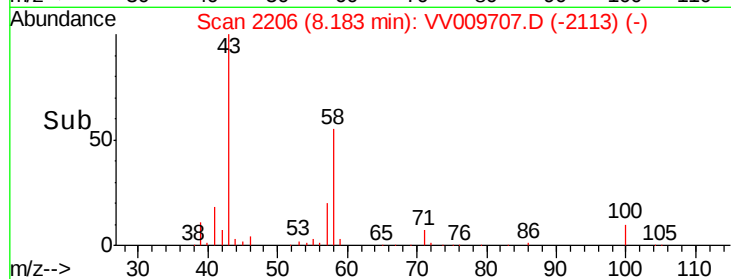


Abundance Ion 43.00 (42.70 to 43.70): VV009707.D (-2113) (-)

Ion 58.00 (57.70 to 58.70): VV009707.D (-2113) (-)

Ion 57.00 (56.70 to 57.70): VV009707.D (-2113) (-)

Ion 100.00 (99.70 to 100.70): VV009707.D (-2113) (-)



#49

Dibromochloromethane

Concen: 53.671 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV009707.D

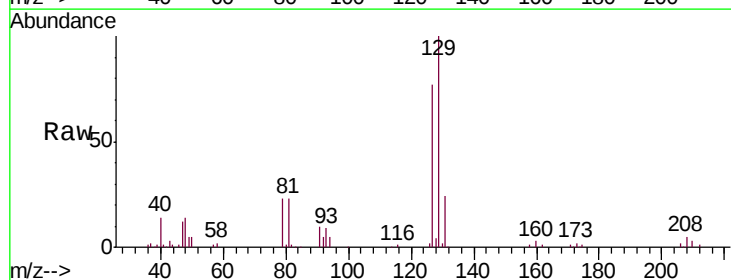
Acq: 16 Mar 2019 00:00

Tgt Ion: 129 Resp: 67821

Ion Ratio Lower Upper

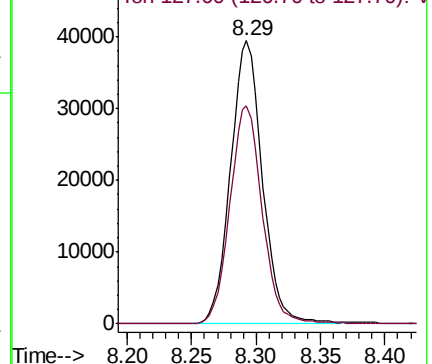
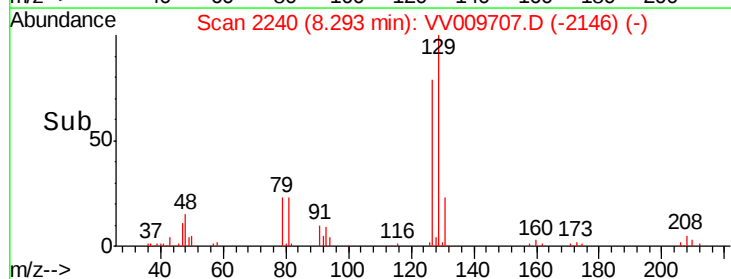
129 100

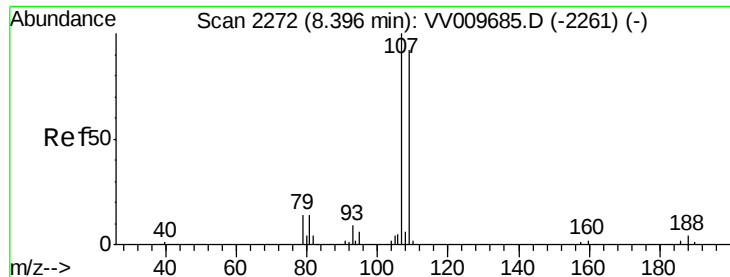
127 77.1 53.3 99.1



Abundance Ion 129.00 (128.70 to 129.70): VV009707.D (-2146) (-)

Ion 127.00 (126.70 to 127.70): VV009707.D (-2146) (-)

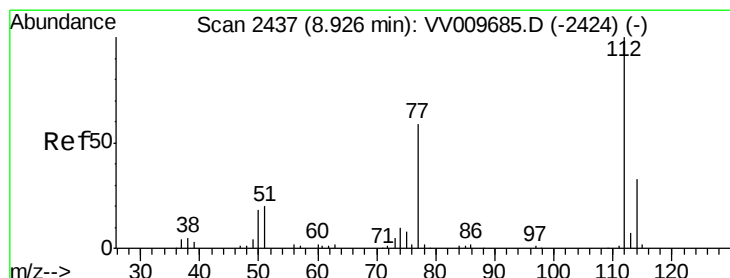
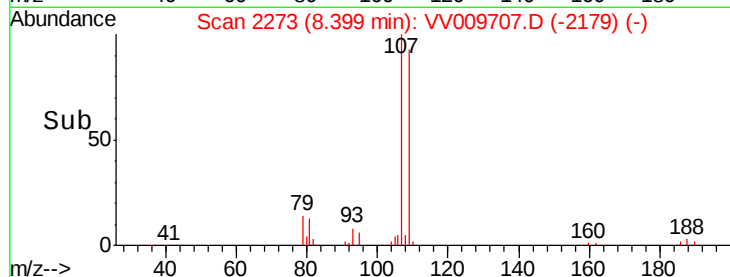
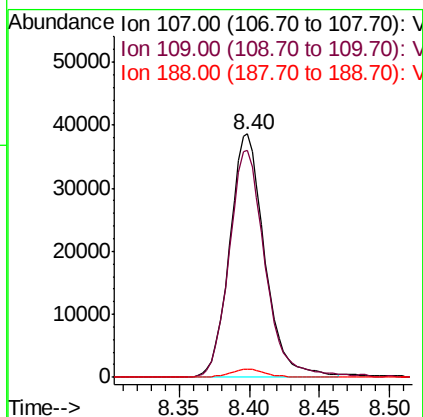
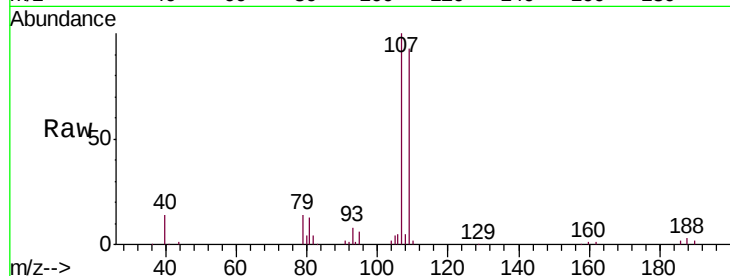




#50
 1,2-Dibromoethane
 Concen: 56.044 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

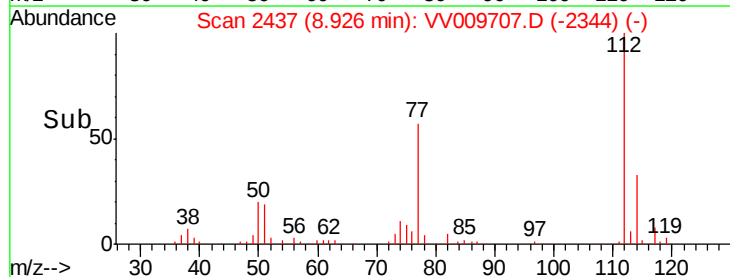
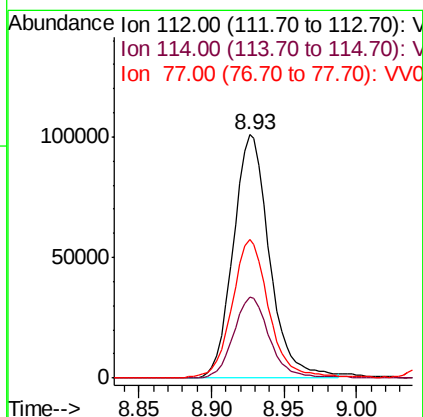
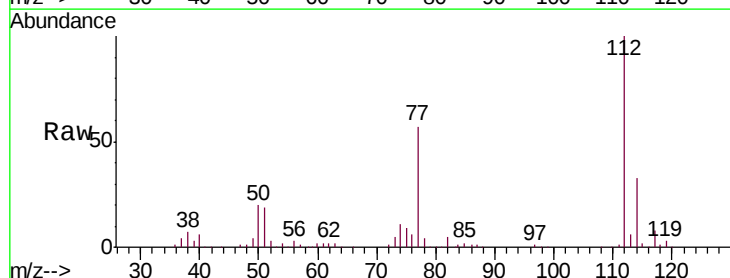
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

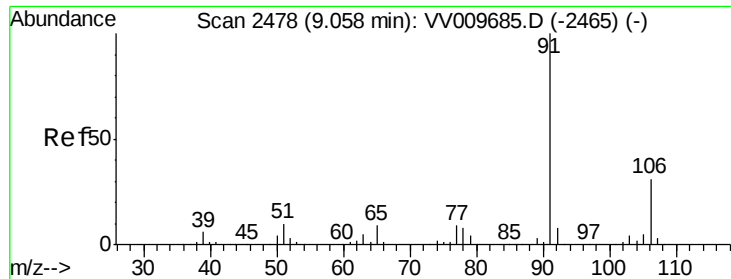
Tgt Ion:107 Resp: 67403
 Ion Ratio Lower Upper
 107 100
 109 93.4 65.2 121.2
 188 3.3 2.6 4.0



#51
 Chlorobenzene
 Concen: 53.027 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

Tgt Ion:112 Resp: 175232
 Ion Ratio Lower Upper
 112 100
 114 33.1 22.2 41.2
 77 57.2 47.4 71.2





#52

Ethylbenzene

Concen: 54.520 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

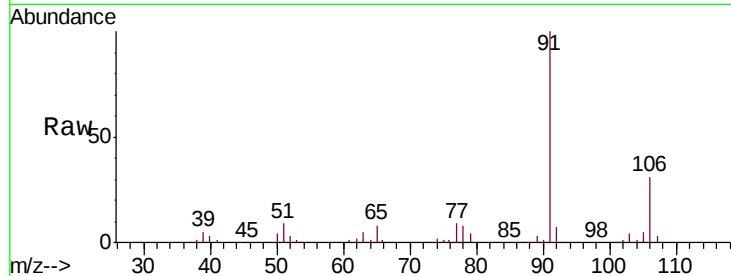
VSTD05081

Tgt Ion: 91 Resp: 304028

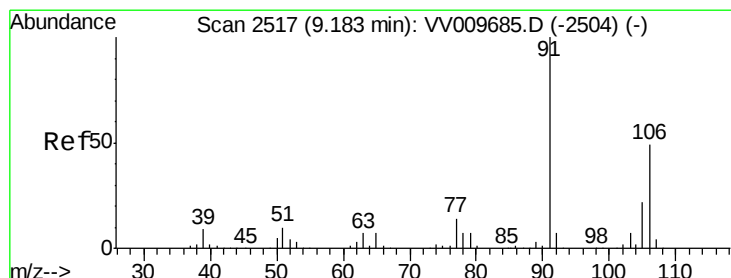
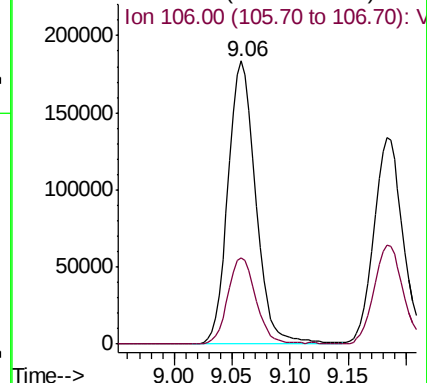
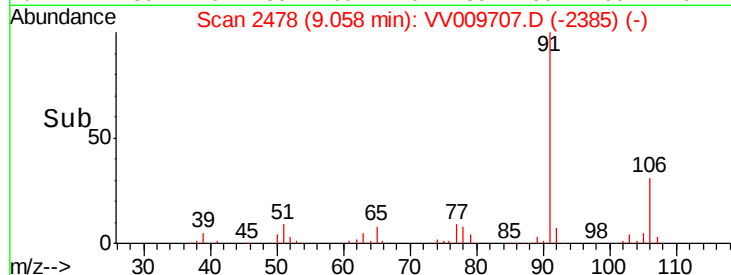
Ion Ratio Lower Upper

91 100

106 30.7 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV009707.D (-2385) (-)



#53

m,p-Xylene

Concen: 53.020 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009707.D

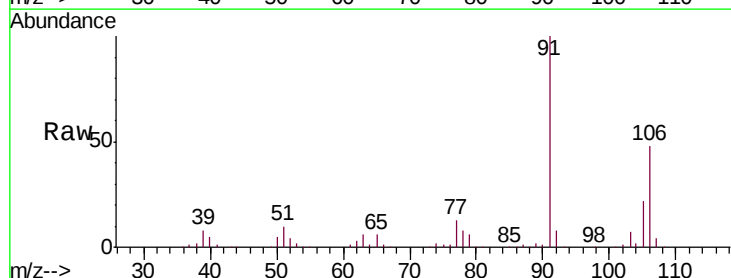
Acq: 16 Mar 2019 00:00

Tgt Ion: 106 Resp: 113270

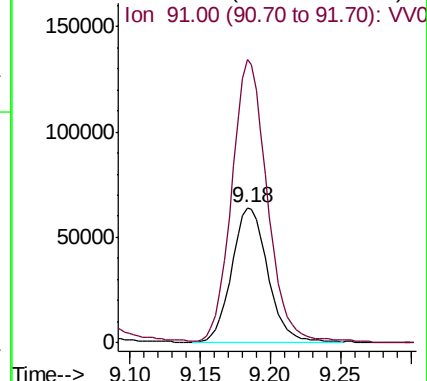
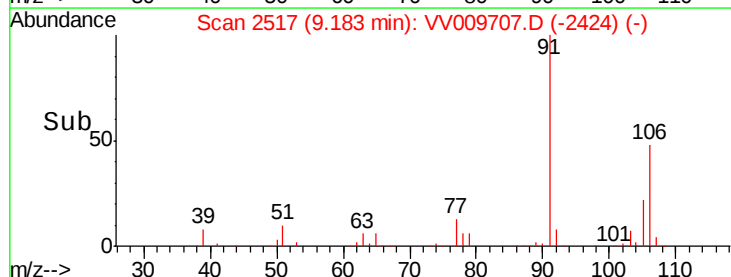
Ion Ratio Lower Upper

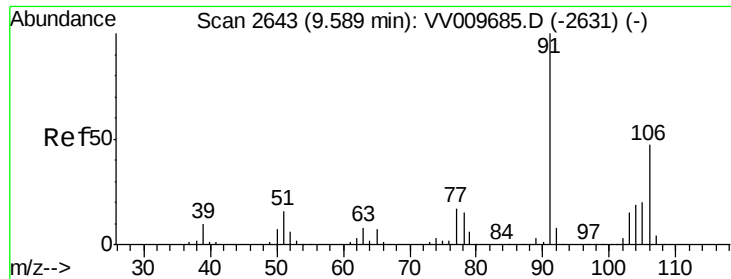
106 100

91 209.1 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): VV009707.D (-2424) (-)

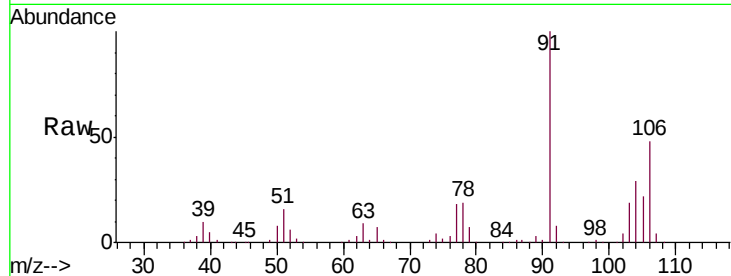




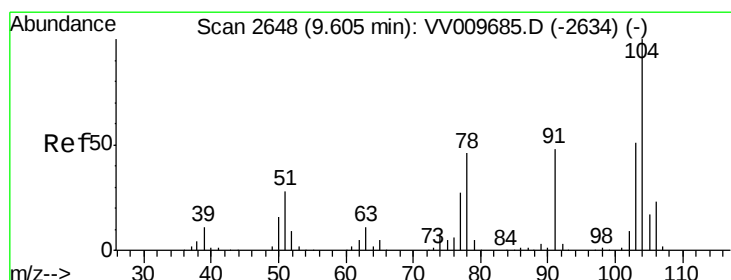
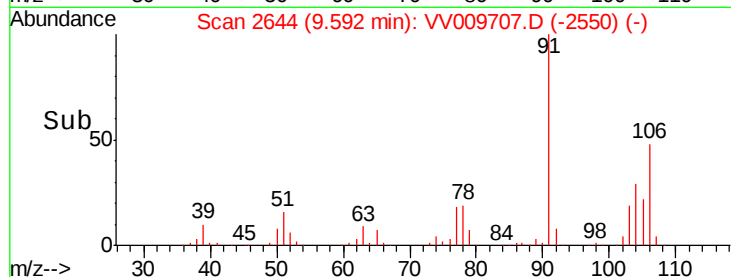
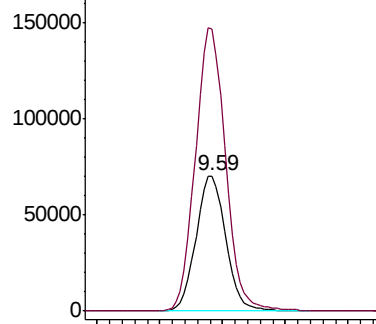
#54
o-Xylene
Concen: 53.902 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV009707.D
Acq: 16 Mar 2019 00:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

Tgt Ion:106 Resp: 116236
Ion Ratio Lower Upper
106 100
91 208.5 151.8 282.0

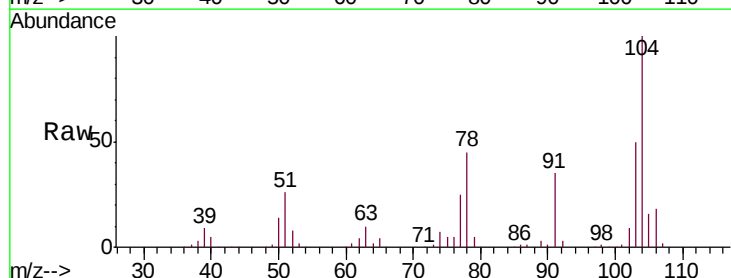


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

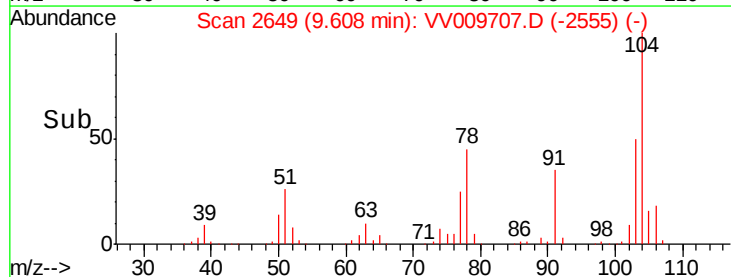
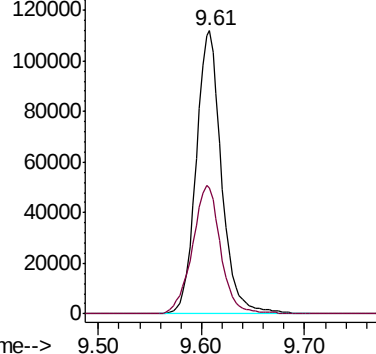


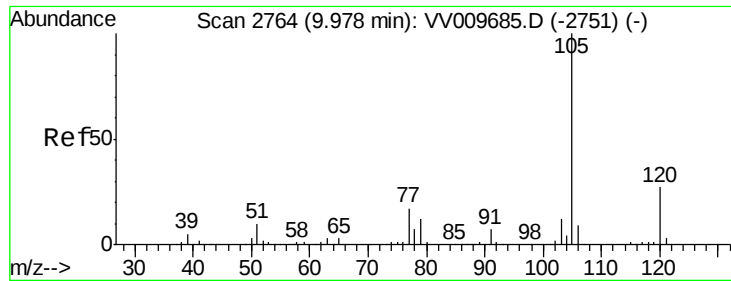
#55
Styrene
Concen: 54.861 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009707.D
Acq: 16 Mar 2019 00:00

Tgt Ion:104 Resp: 191675
Ion Ratio Lower Upper
104 100
78 44.7 33.2 61.6



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





#56

Isopropylbenzene

Concen: 54.276 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

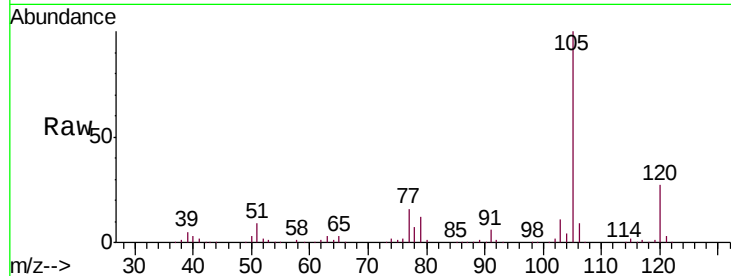
Tgt Ion: 105 Resp: 304746

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

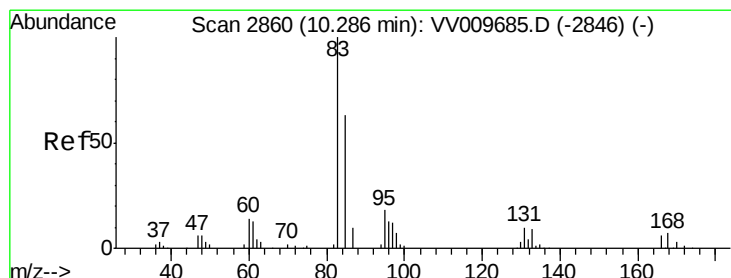
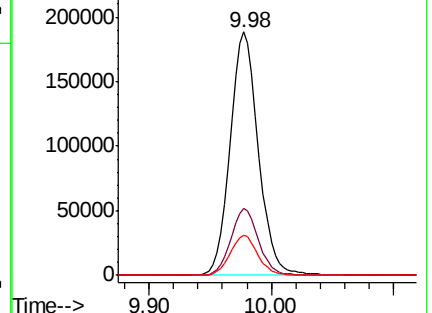
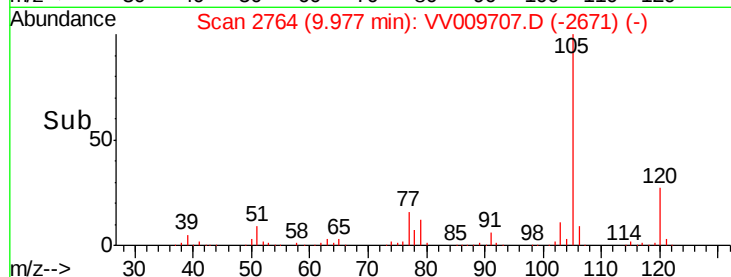
77 16.2 13.0 19.6



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: 52.183 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

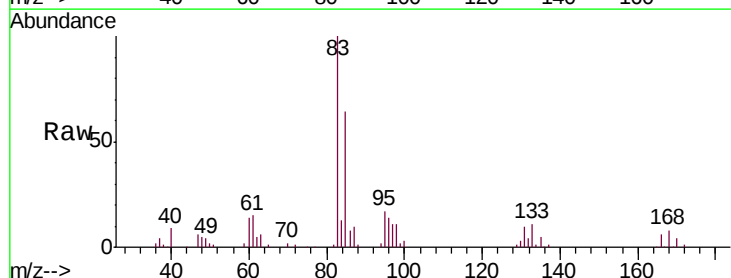
Tgt Ion: 83 Resp: 104745

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.5

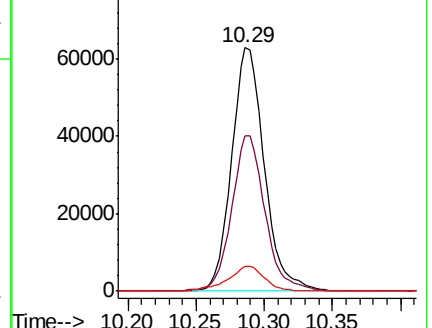
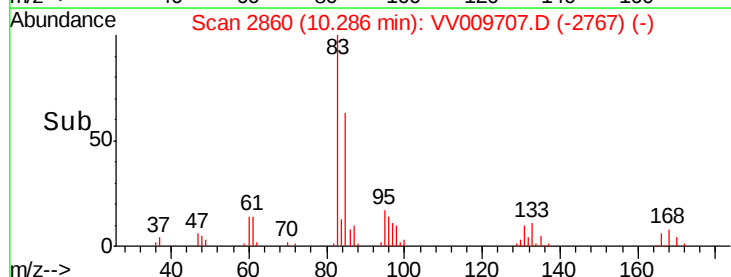
131 10.2 8.2 12.4

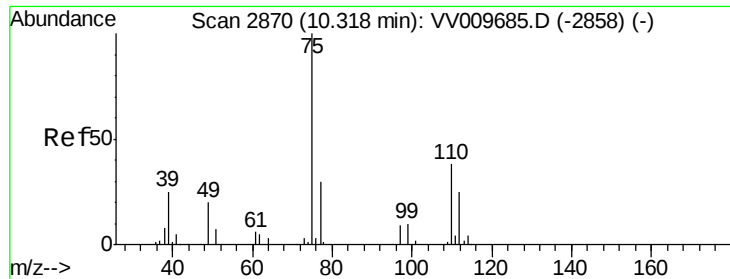


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

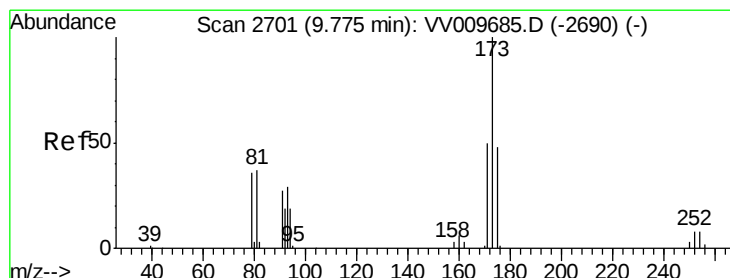
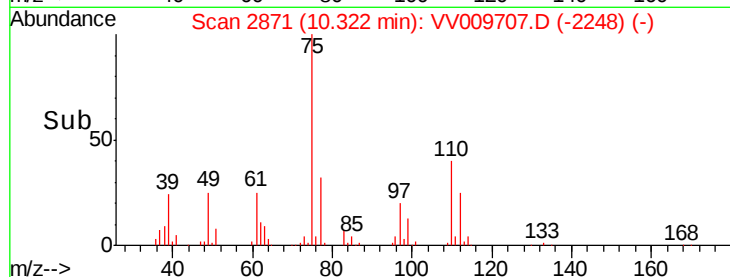
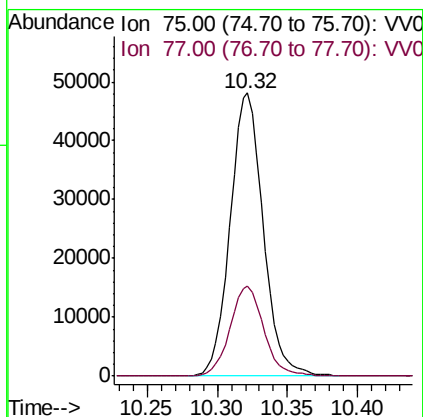
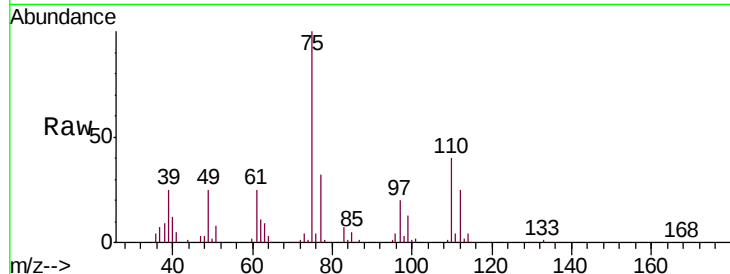




#59
 1,2,3-Trichloropropane
 Concen: 52.927 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

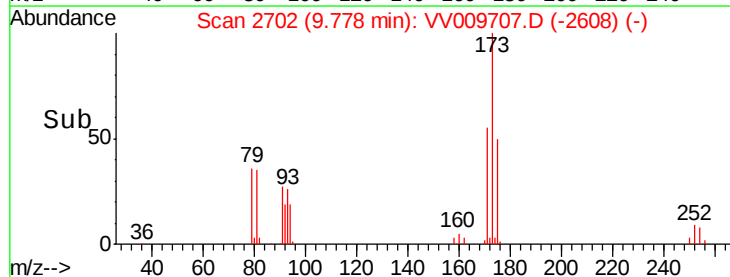
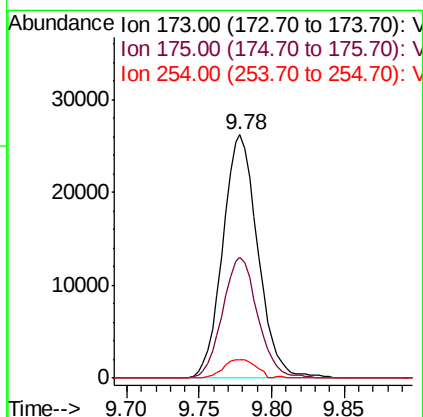
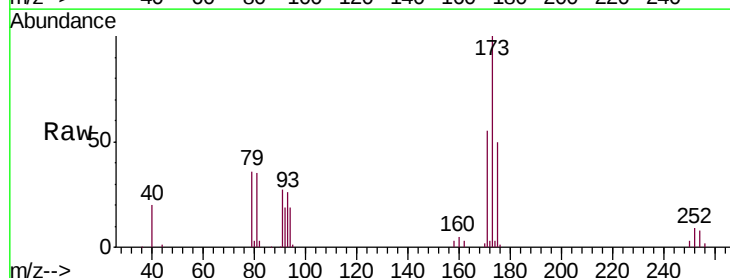
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

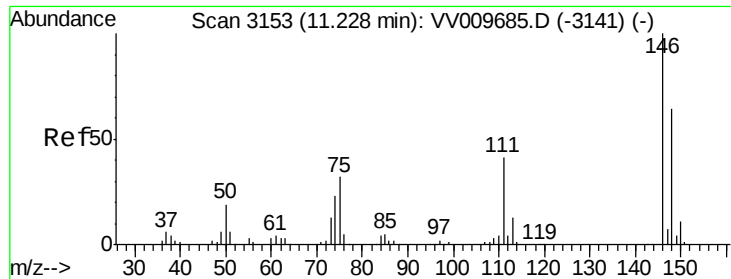
Tgt Ion: 75 Resp: 78996
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.6 40.0



#61
 Bromoform
 Concen: 45.722 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

Tgt Ion: 173 Resp: 44188
 Ion Ratio Lower Upper
 173 100
 175 49.6 37.0 55.6
 254 7.0 6.4 9.6





#62

1,3-Dichlorobenzene

Concen: 51.122 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

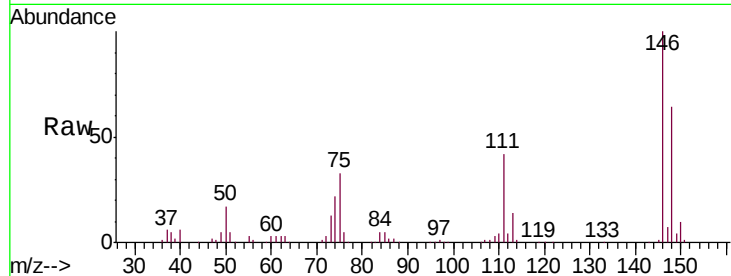
Tgt Ion:146 Resp: 133220

Ion Ratio Lower Upper

146 100

111 42.3 29.4 54.6

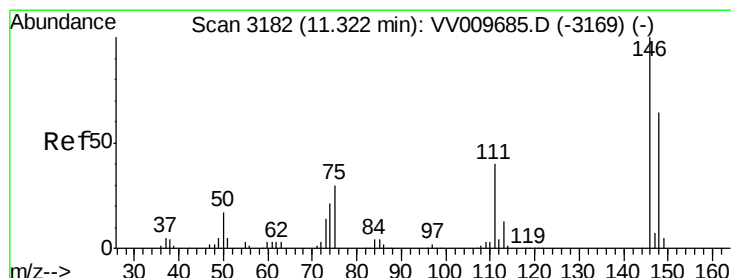
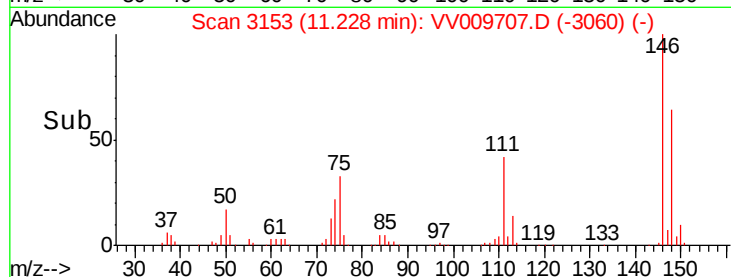
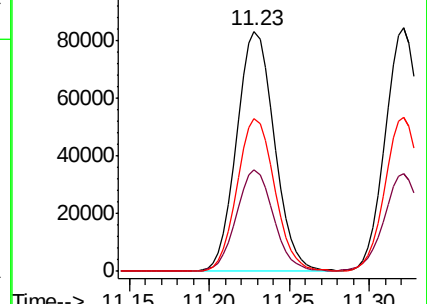
148 63.8 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.690 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

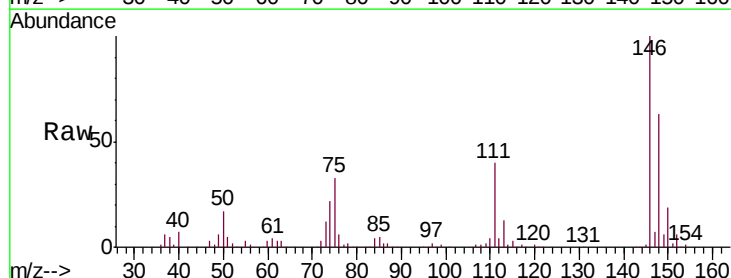
Tgt Ion:146 Resp: 132770

Ion Ratio Lower Upper

146 100

111 40.1 28.6 53.2

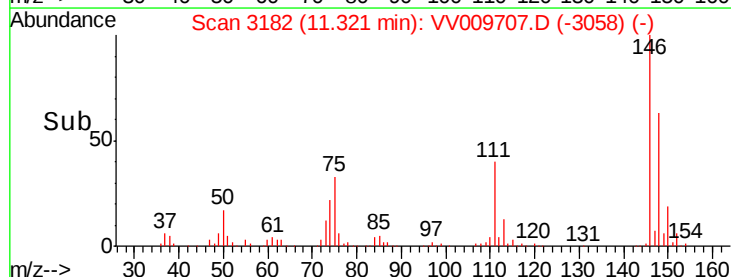
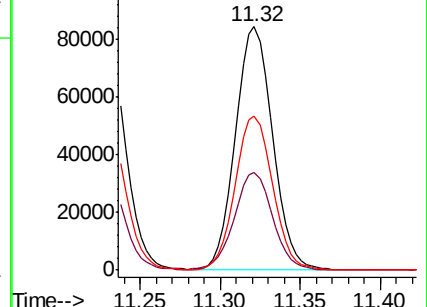
148 63.3 43.2 80.2

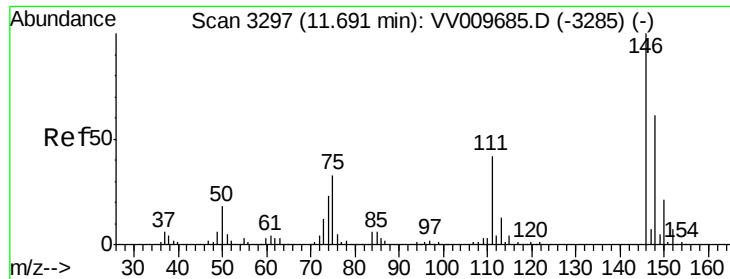


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.311 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampled :

VSTD05081

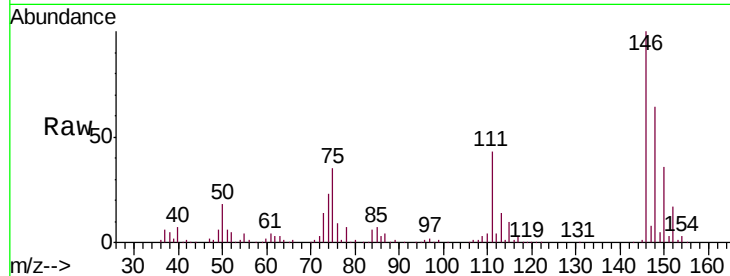
Tgt Ion: 146 Resp: 134326

Ion Ratio Lower Upper

146 100

111 43.0 34.7 52.1

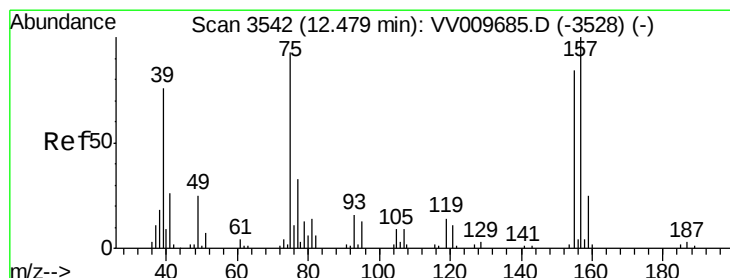
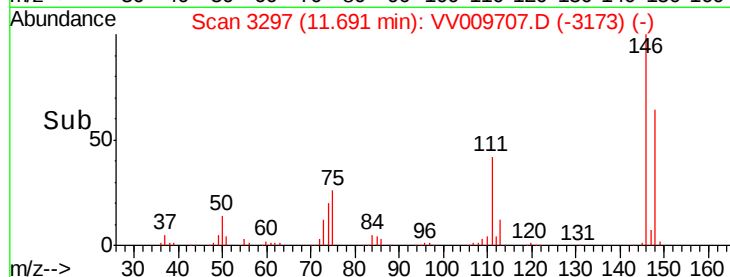
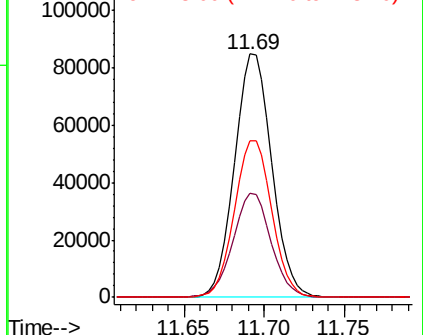
148 64.1 49.6 74.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.306 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

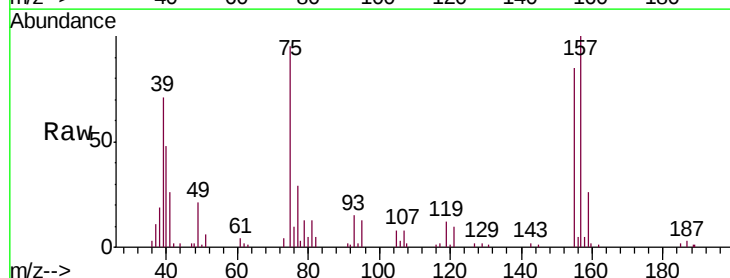
Tgt Ion: 75 Resp: 20301

Ion Ratio Lower Upper

75 100

155 89.9 63.6 95.4

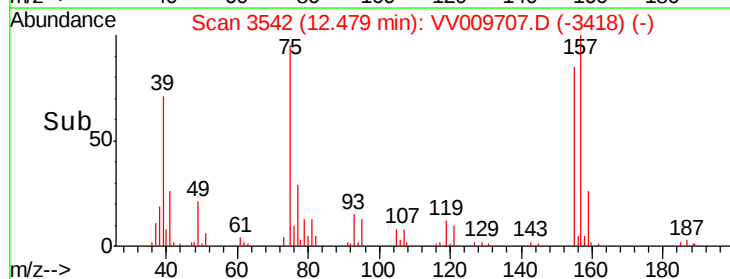
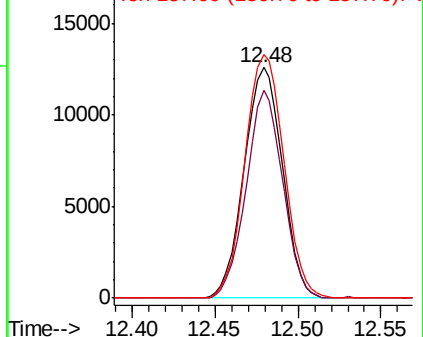
157 105.5 82.1 123.1

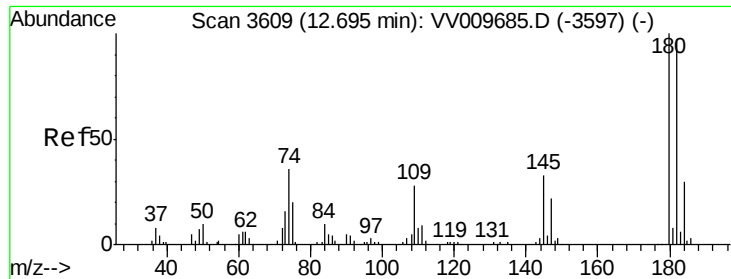


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

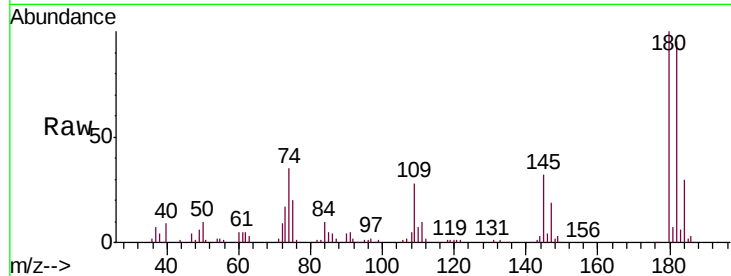




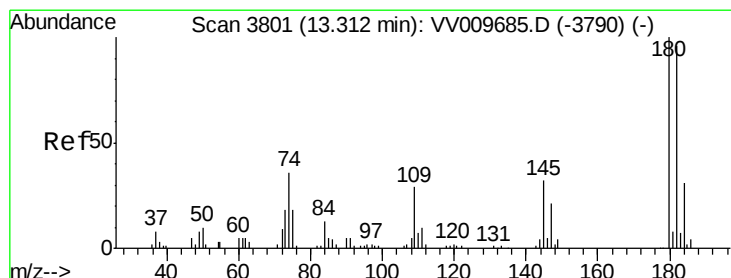
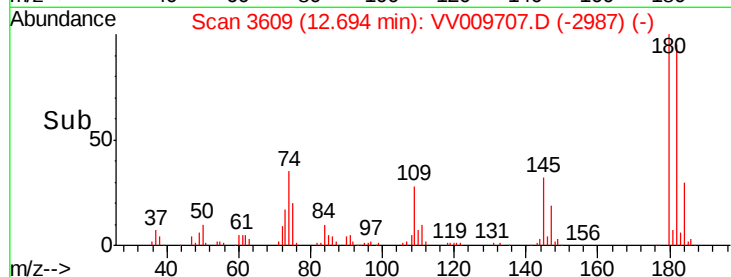
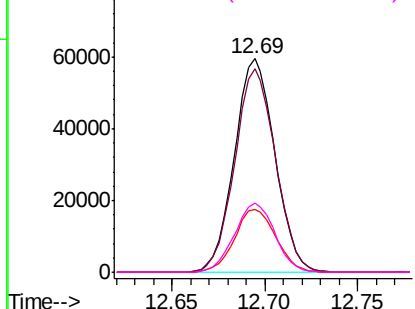
#67
 1,3,5-Trichlorobenzene
 Concen: 53.340 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tgt Ion:180 Resp: 90095
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.0 115.4
 184 30.1 24.2 36.4
 145 32.2 24.7 37.1

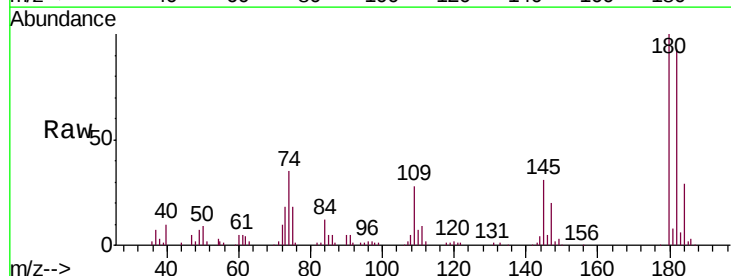


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

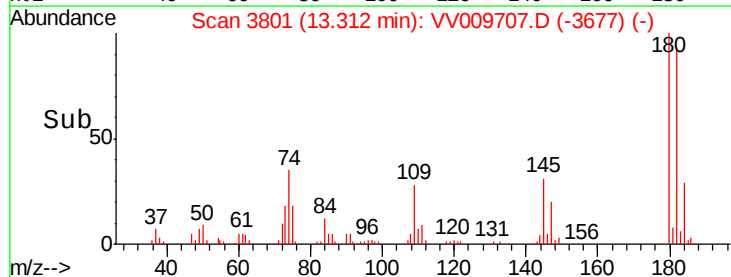
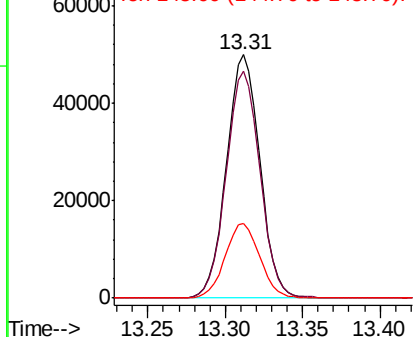


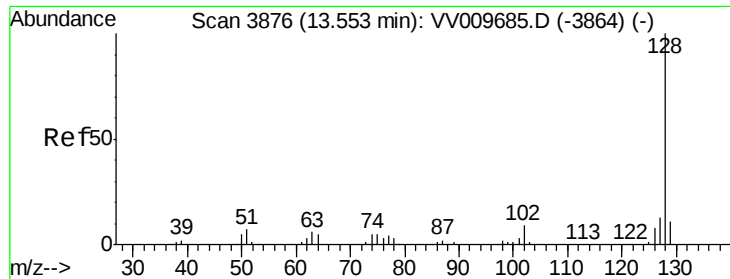
#68
 1,2,4-trichlorobenzene
 Concen: 63.913 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009707.D
 Acq: 16 Mar 2019 00:00

Tgt Ion:180 Resp: 74720
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.6 114.8
 145 31.7 26.2 39.4



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





#69

Naphthalene

Concen: 67.986 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

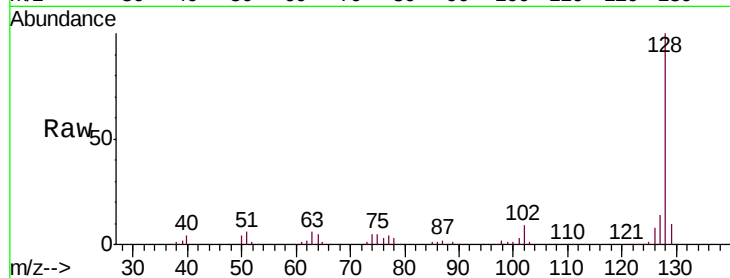
Tgt Ion:128 Resp: 223794

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

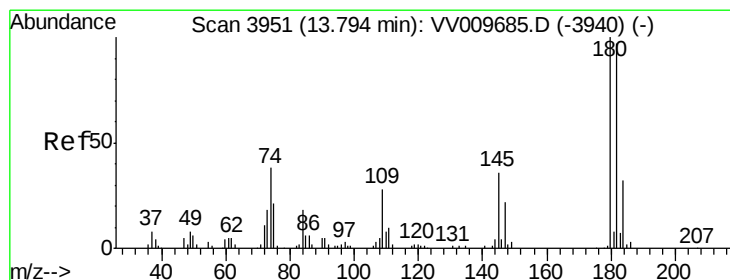
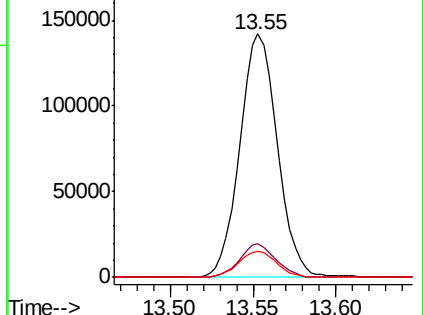
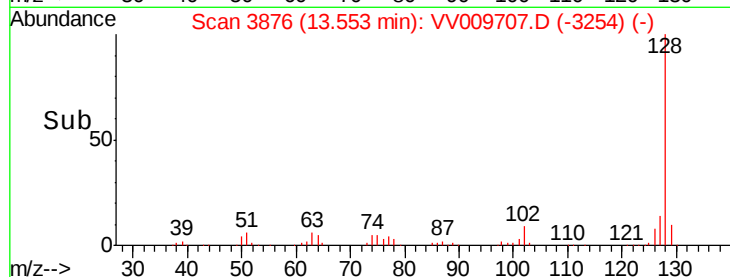
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 62.692 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009707.D

Acq: 16 Mar 2019 00:00

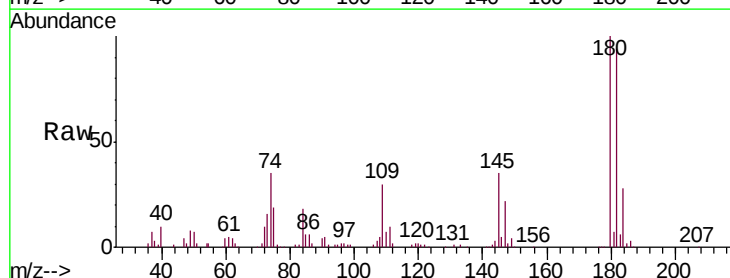
Tgt Ion:180 Resp: 77210

Ion Ratio Lower Upper

180 100

182 95.3 73.4 110.0

145 34.3 27.0 40.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

