

Data File : VV009788.D
Acq On : 19 Mar 2019 19:44
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Quant Time: Mar 20 05:21:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 20 05:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	140986	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	140775	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66581	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42373	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.16%
7) Chloroethane-d5	1.56	69	34745	49.54	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.08%
11) 1,1-Dichloroethene-d2	2.12	63	93589	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.46%
21) 2-Butanone-d5	3.93	46	58145	102.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.69%
24) Chloroform-d	4.40	84	86257	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.78%
26) 1,2-Dichloroethane-d4	5.08	65	52136	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
32) Benzene-d6	5.10	84	180851	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
36) 1,2-Dichloropropane-d6	6.12	67	54416	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.18%
41) Toluene-d8	7.36	98	174938	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%
43) trans-1,3-Dichloropropene-	7.66	79	25941	48.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.96%
47) 2-Hexanone-d5	8.13	63	43448	95.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	83845	49.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.70%
64) 1,2-Dichlorobenzene-d4	11.67	152	68341	50.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	49448	47.350	ug/L 100
3) Chloromethane	1.25	50	46471	47.683	ug/L 98
5) Vinyl chloride	1.32	62	51122	48.847	ug/L 98
6) Bromomethane	1.51	94	24697	44.311	ug/L 99
8) Chloroethane	1.58	64	30338	47.686	ug/L 95
9) Trichlorofluoromethane	1.76	101	85311	48.684	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46000	47.432	ug/L 98
12) 1,1-Dichloroethene	2.13	96	41232	49.055	ug/L 95
13) Acetone	2.19	43	42856	79.913	ug/L 99
14) Carbon disulfide	2.31	76	115660	47.188	ug/L 99
15) Methyl Acetate	2.46	43	42855	47.386	ug/L 100
16) Methylene chloride	2.53	84	48769	49.941	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	43810	48.667	ug/L 96
18) Methyl tert-butyl Ether	2.80	73	138401	48.643	ug/L 99
19) 1,1-Dichloroethane	3.23	63	76661	48.553	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	49410	47.938	ug/L 93
22) 2-Butanone	4.02	43	58415	86.310	ug/L 97

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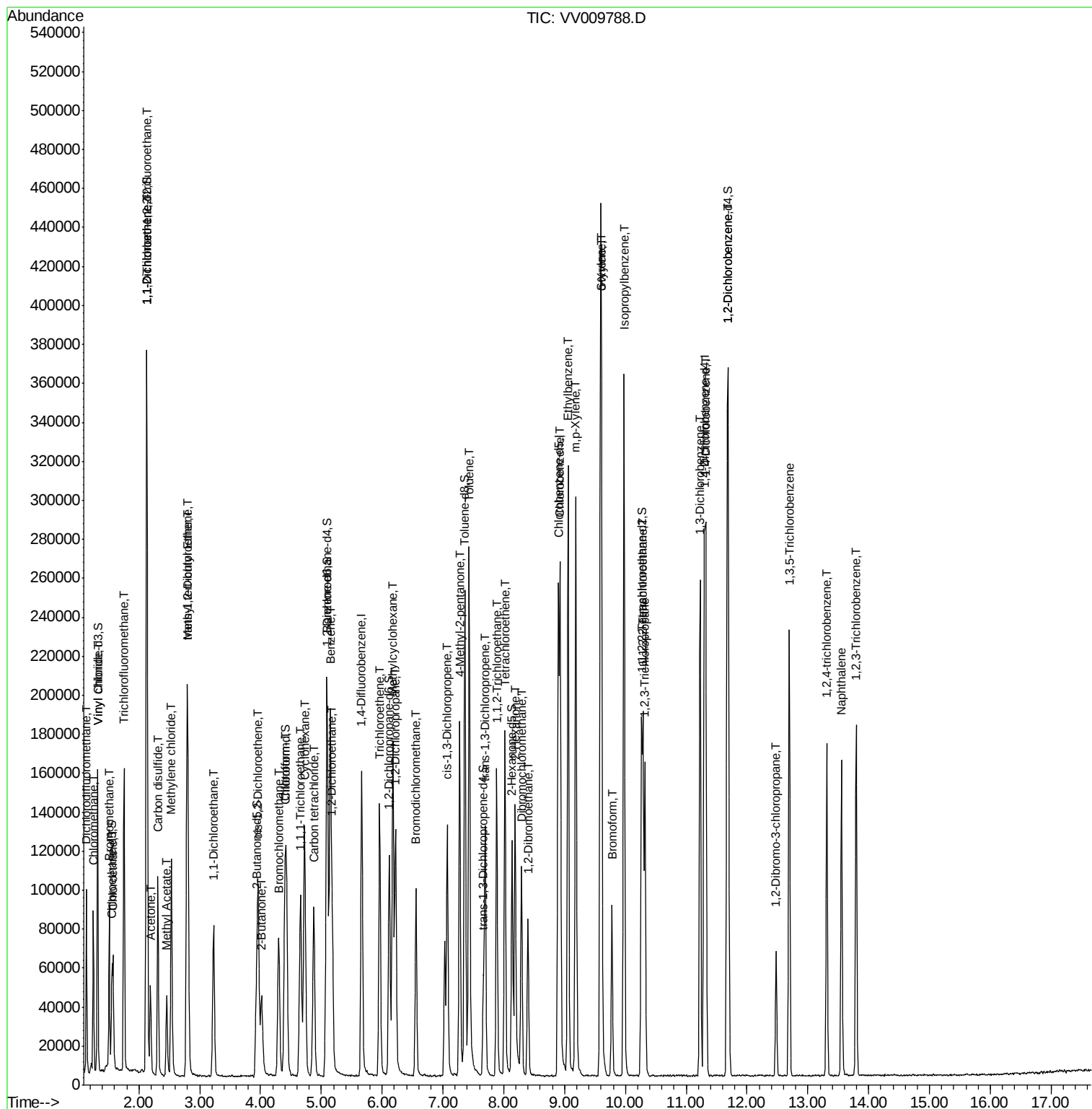
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26264	50.349	ug/L	97
25) Chloroform	4.42	83	84694	48.651	ug/L	97
27) 1,2-Dichloroethane	5.18	62	62048	47.902	ug/L	100
29) Cyclohexane	4.72	56	68860	45.706	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	74252	48.466	ug/L	98
31) Carbon tetrachloride	4.87	117	64017	50.581	ug/L	100
33) Benzene	5.15	78	184243	47.951	ug/L	100
34) Trichloroethene	5.96	95	48198	48.125	ug/L	96
35) Methylcyclohexane	6.18	83	74783	45.373	ug/L	98
37) 1,2-Dichloropropane	6.22	63	45326	46.258	ug/L	100
38) Bromodichloromethane	6.56	83	61316	47.621	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	71938	48.061	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	122852	95.487	ug/L	99
42) Toluene	7.43	91	209054	48.821	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	69358	48.933	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	50287	49.615	ug/L	99
46) Tetrachloroethene	8.02	164	39320	47.032	ug/L	97
48) 2-Hexanone	8.19	43	85105	88.865	ug/L	97
49) Dibromochloromethane	8.29	129	54886	50.479	ug/L	98
50) 1,2-Dibromoethane	8.40	107	52947	50.100	ug/L	100
51) Chlorobenzene	8.93	112	140041	48.710	ug/L	98
52) Ethylbenzene	9.06	91	231752	47.718	ug/L	99
53) m,p-Xylene	9.18	106	92209	49.145	ug/L	98
54) o-Xylene	9.59	106	91693	48.598	ug/L	98
55) Styrene	9.60	104	151475	49.255	ug/L	97
56) Isopropylbenzene	9.98	105	237568	48.388	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	83937	47.656	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	61605	47.785	ug/L	99
61) Bromoform	9.78	173	36926	46.657	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	102479	46.916	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	102909	46.699	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	108829	48.829	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	14097	45.536	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	69006	49.675	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	50794	52.169	ug/L	97
69) Naphthalene	13.55	128	125868	45.177	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	51337	52.595	ug/L	98

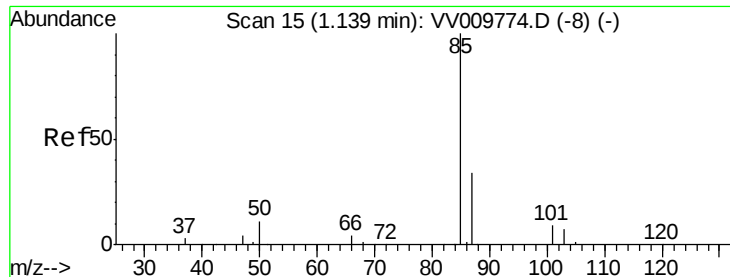
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.350 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampled :

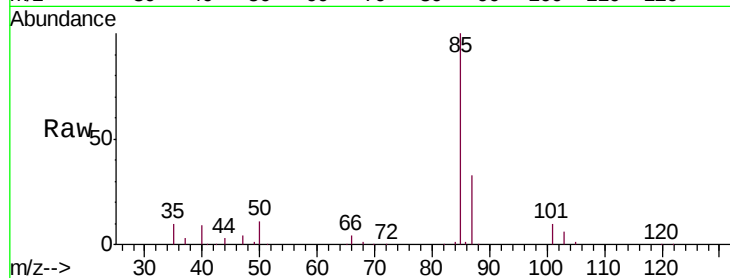
VSTD05087

Tgt Ion: 85 Resp: 49448

Ion Ratio Lower Upper

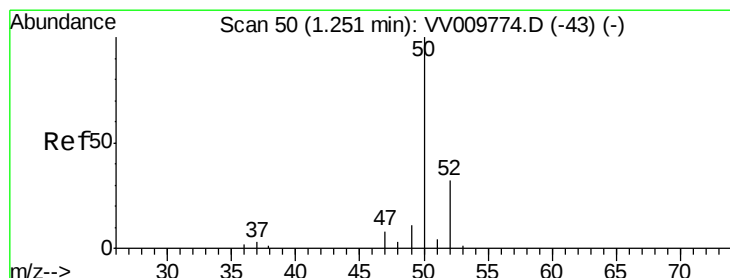
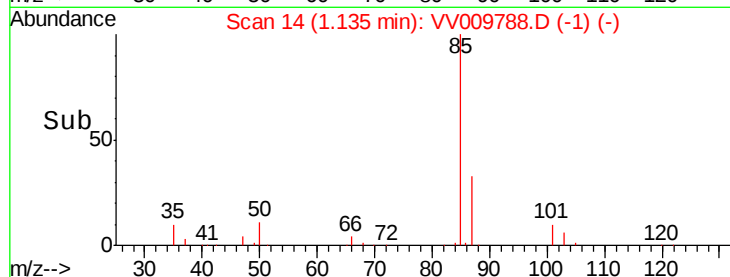
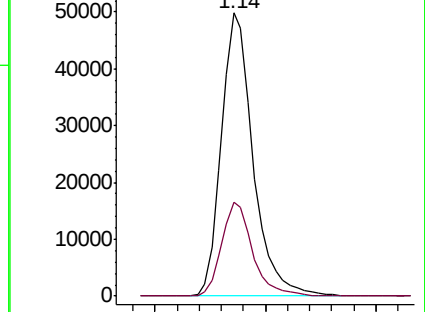
85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV009774.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009774.D (-8) (-)



#3

Chloromethane

Concen: 47.683 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009788.D

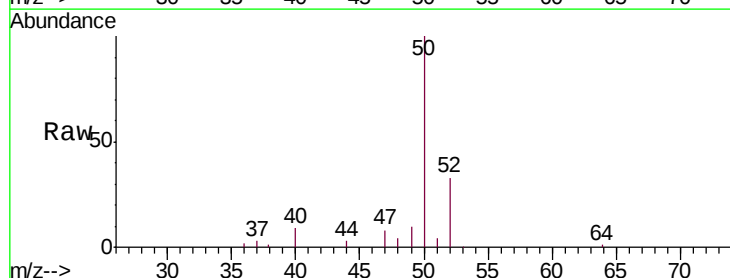
Acq: 19 Mar 2019 19:44

Tgt Ion: 50 Resp: 46471

Ion Ratio Lower Upper

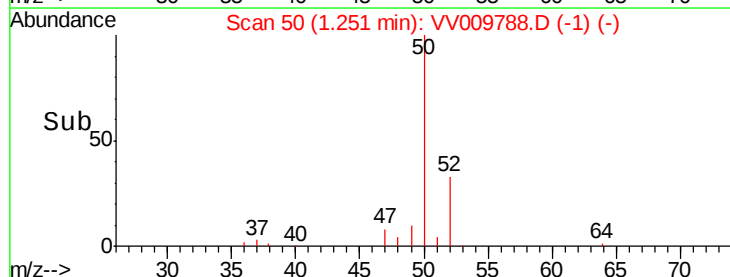
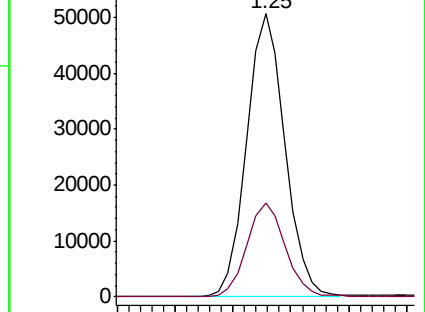
50 100

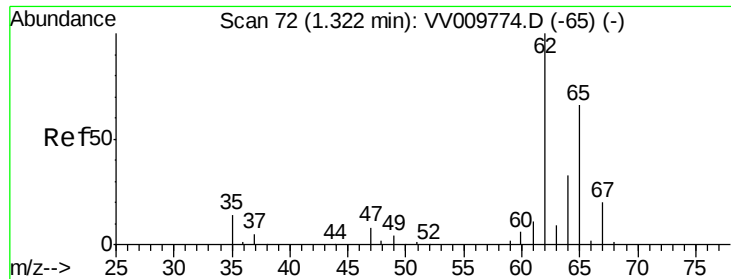
52 33.1 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VV009774.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009774.D (-43) (-)





#5

Vinyl chloride

Concen: 48.847 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

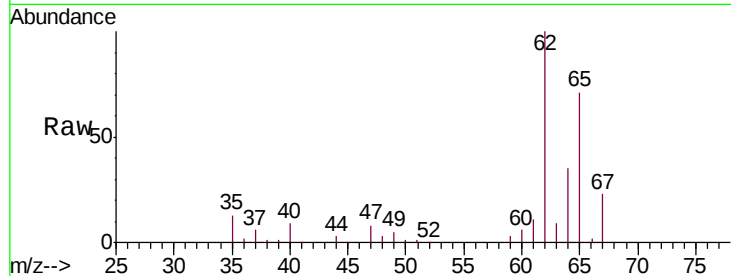
VSTD05087

Tgt Ion: 62 Resp: 51122

Ion Ratio Lower Upper

62 100

64 35.2 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

60000

50000

40000

30000

20000

10000

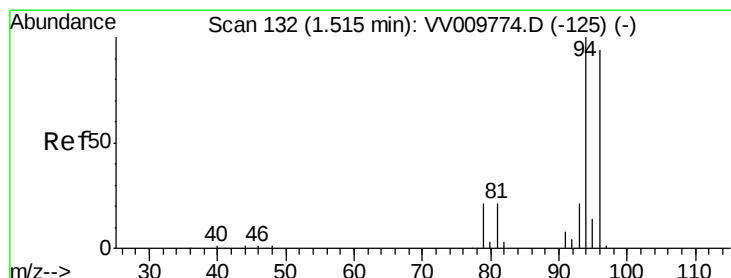
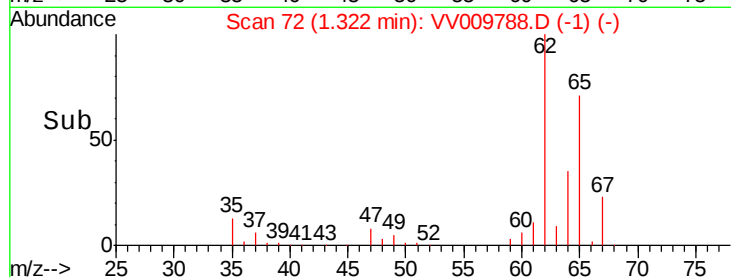
0

1.30

1.32

1.35

Time-->



#6

Bromomethane

Concen: 44.311 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009788.D

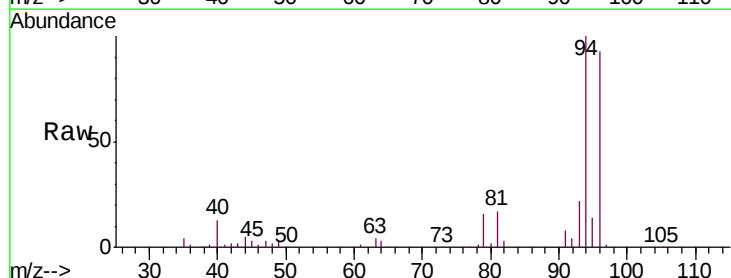
Acq: 19 Mar 2019 19:44

Tgt Ion: 94 Resp: 24697

Ion Ratio Lower Upper

94 100

96 92.9 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

30000

25000

20000

15000

10000

5000

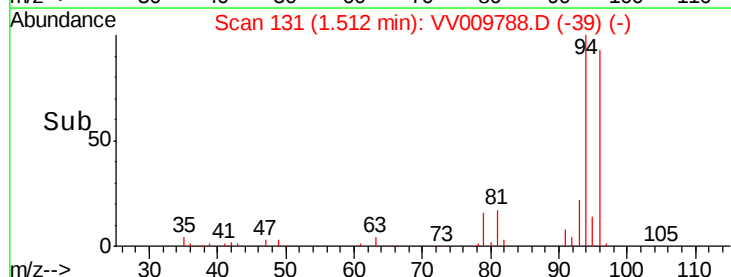
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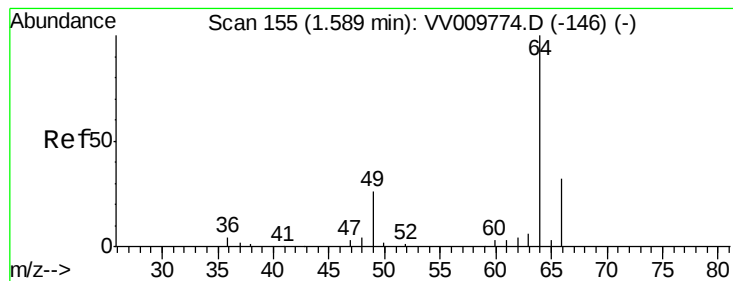
1.50

1.51

1.55

Time-->





#8

Chloroethane

Concen: 47.686 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.01 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

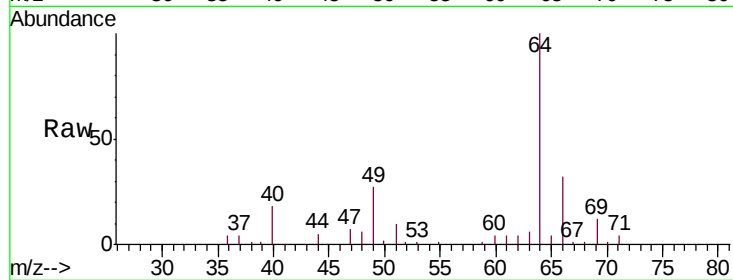
VSTD05087

Tgt Ion: 64 Resp: 30338

Ion Ratio Lower Upper

64 100

66 31.9 24.5 45.5



Abundance Ion 64.00 (63.70 to 64.70): VV009774.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV009774.D (-146) (-)

1.58

25000

20000

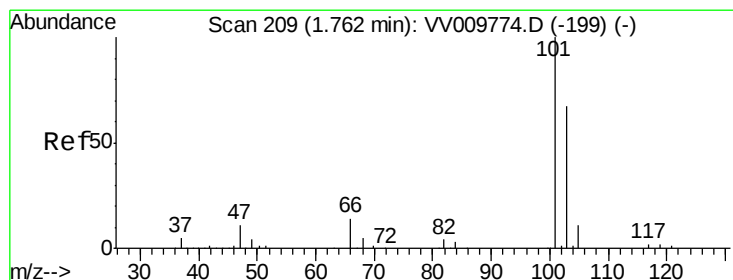
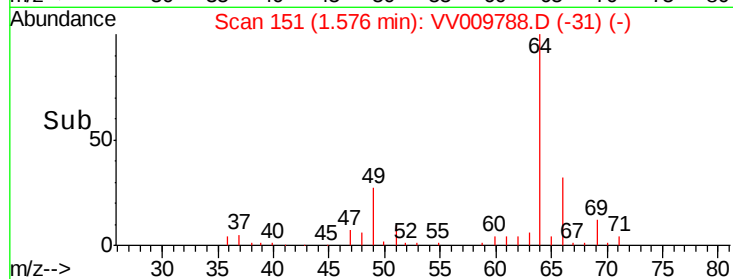
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 48.684 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.01 min

Lab File: VV009788.D

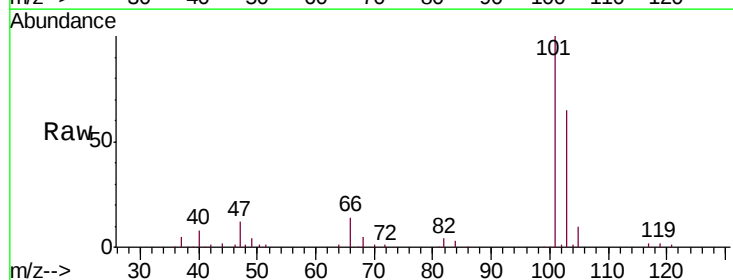
Acq: 19 Mar 2019 19:44

Tgt Ion: 101 Resp: 85311

Ion Ratio Lower Upper

101 100

103 65.2 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009774.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV009774.D (-199) (-)

1.76

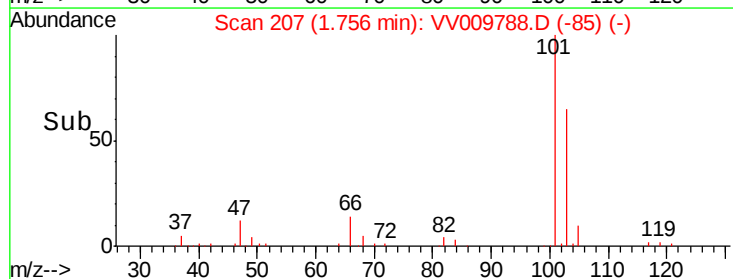
60000

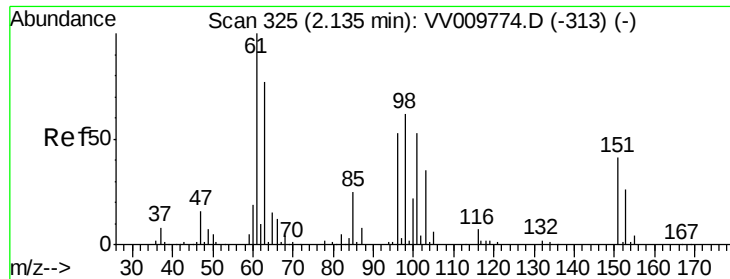
40000

20000

0

Time-->





#10

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

Concen: 47.432 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

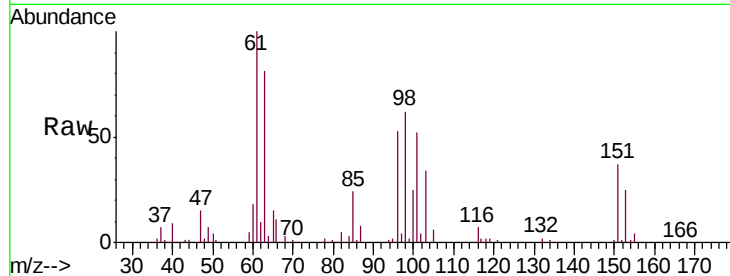
Tgt Ion: 101 Resp: 46000

Ion Ratio Lower Upper

101 100

85 48.3 38.5 57.7

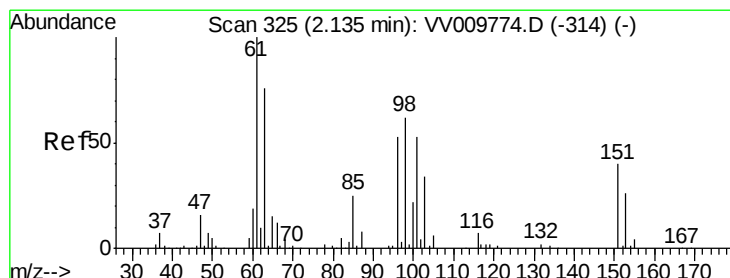
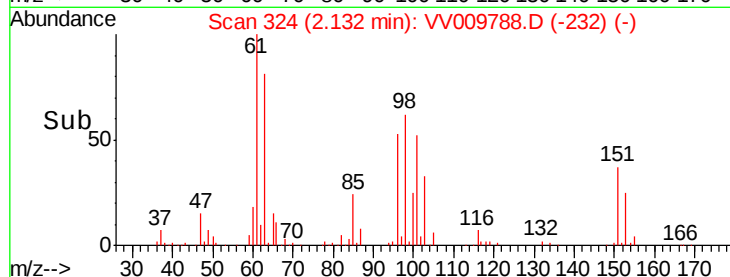
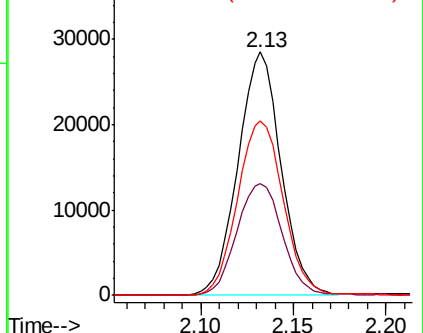
151 75.9 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV009774.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV009774.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV009774.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 49.055 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

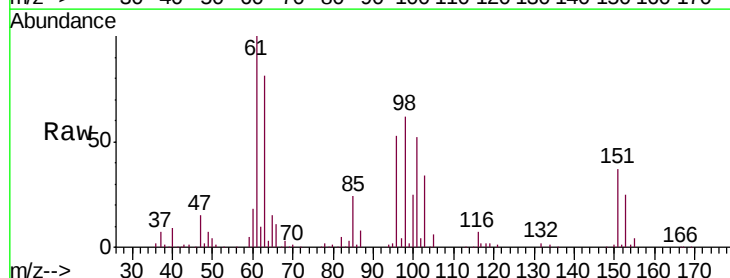
Tgt Ion: 96 Resp: 41232

Ion Ratio Lower Upper

96 100

61 188.2 135.5 251.7

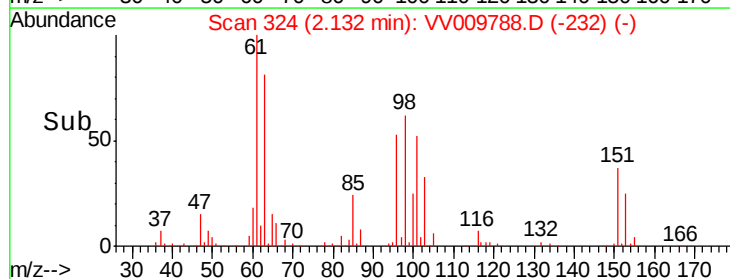
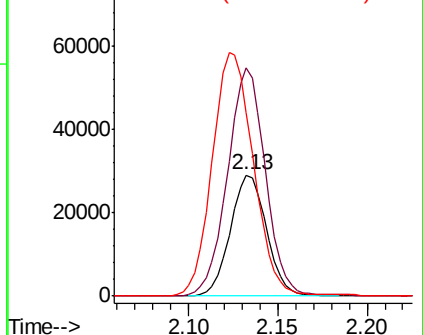
63 151.9 100.2 186.2

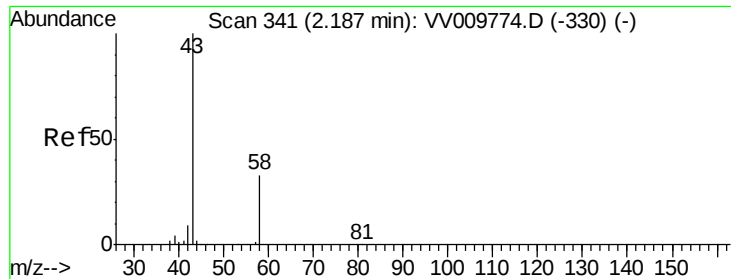


Abundance Ion 96.00 (95.70 to 96.70): VV009774.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009774.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009774.D (-314) (-)





#13

Acetone

Concen: 79.913 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

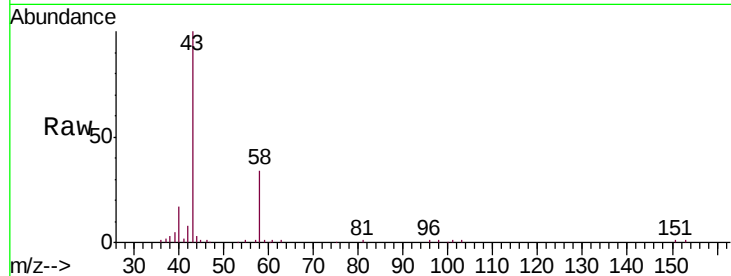
VSTD05087

Tgt Ion: 43 Resp: 42856

Ion Ratio Lower Upper

43 100

58 34.6 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV009774.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV009774.D (-330) (-)

2.19

30000

25000

20000

15000

10000

5000

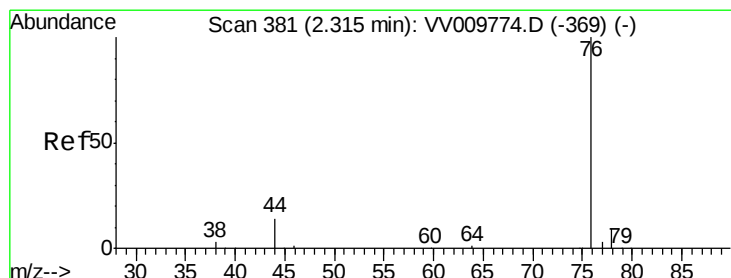
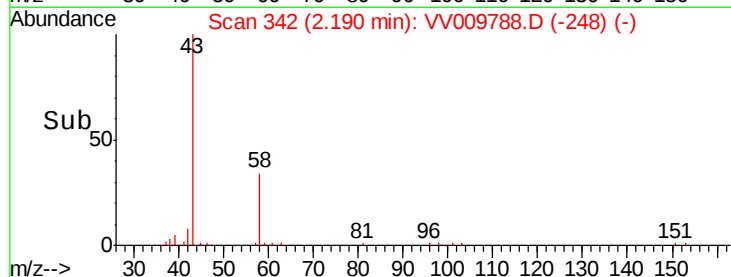
0

Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 47.188 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009788.D

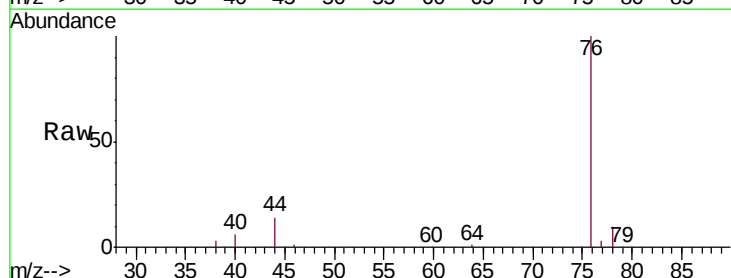
Acq: 19 Mar 2019 19:44

Tgt Ion: 76 Resp: 115660

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV009774.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009774.D (-369) (-)

2.31

80000

60000

40000

20000

0

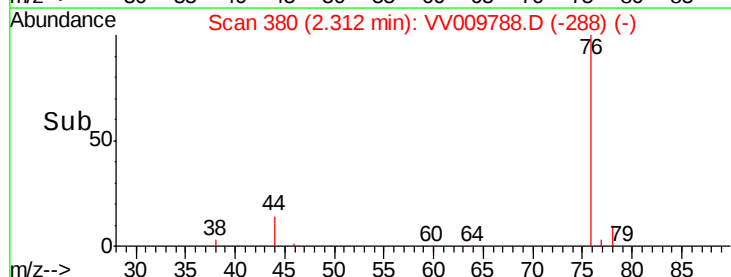
Time-->

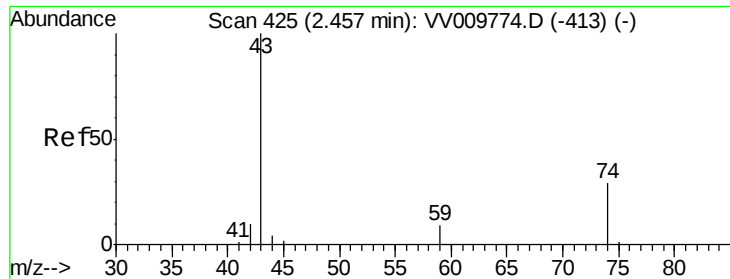
2.25

2.30

2.35

2.40

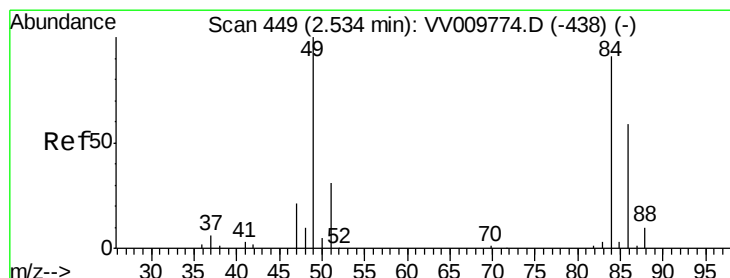
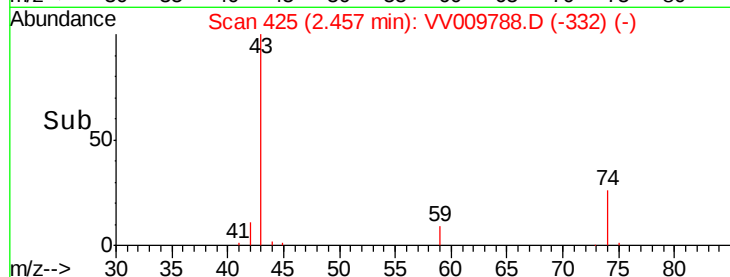
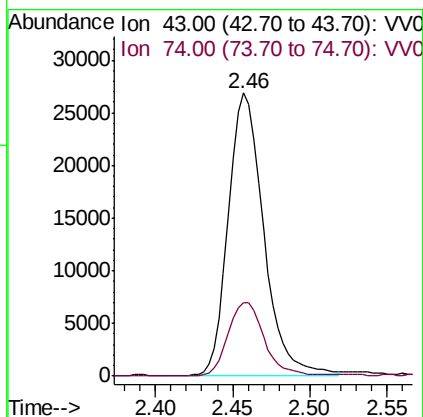
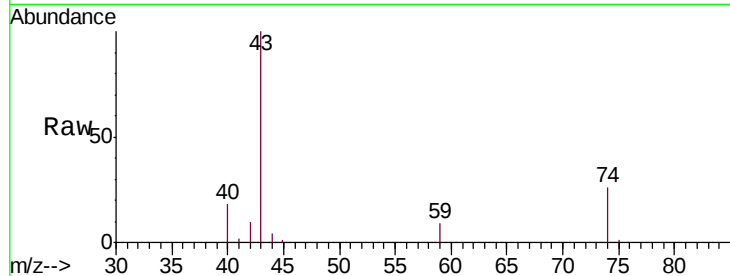




#15
Methyl Acetate
Concen: 47.386 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

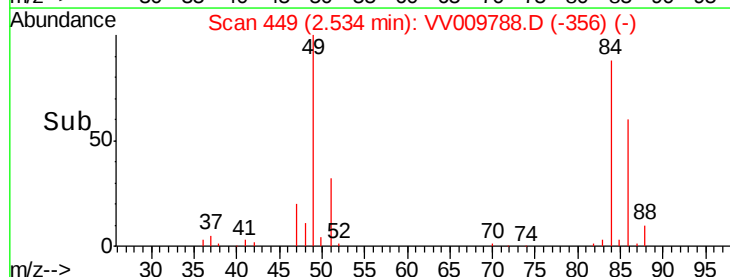
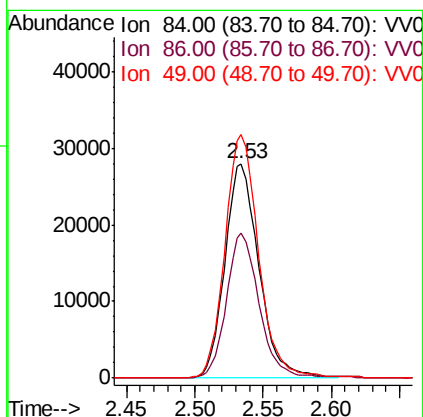
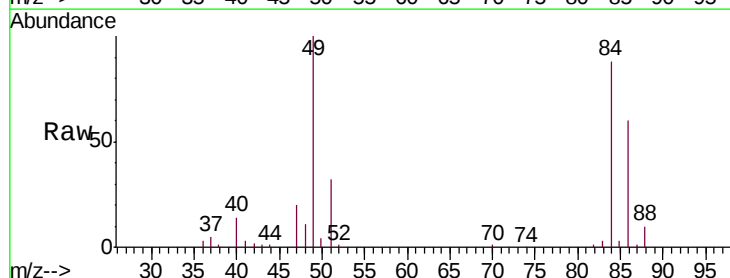
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

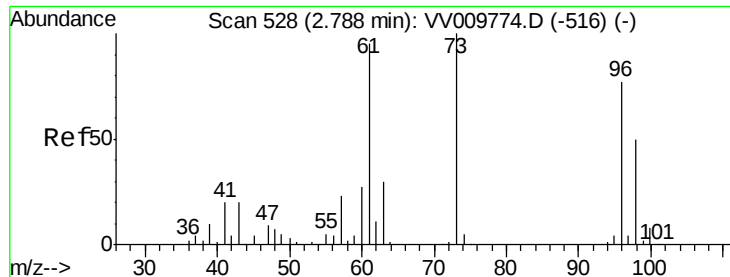
Tgt Ion: 43 Resp: 42855
Ion Ratio Lower Upper
43 100
74 26.6 21.3 31.9



#16
Methylene chloride
Concen: 49.941 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

Tgt Ion: 84 Resp: 48769
Ion Ratio Lower Upper
84 100
86 67.5 45.8 85.2
49 113.3 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 48.667 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

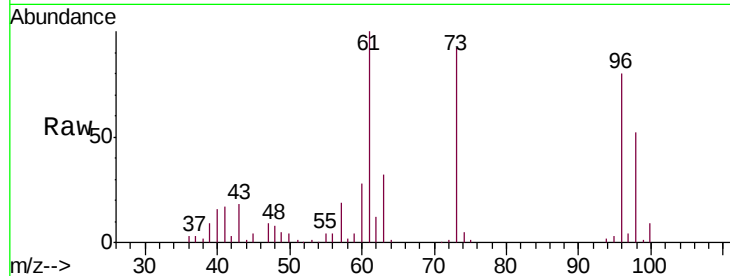
Tgt Ion: 96 Resp: 43810

Ion Ratio Lower Upper

96 100

61 124.5 92.0 170.9

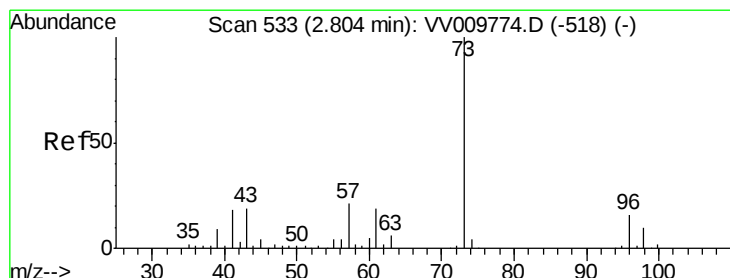
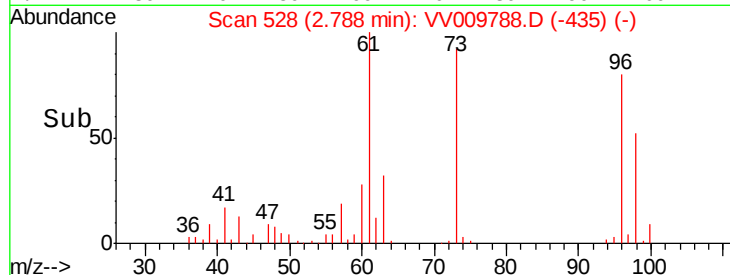
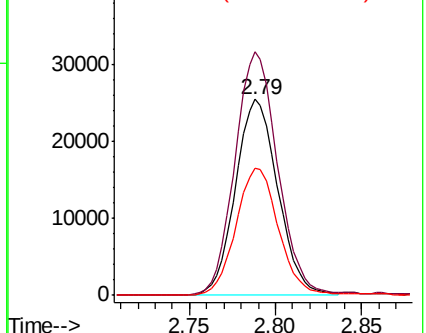
98 64.8 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV009774.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV009774.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV009774.D (-516) (-)



#18

Methyl tert-butyl Ether

Concen: 48.643 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

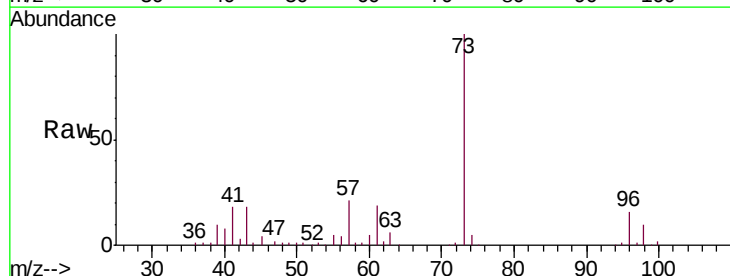
Tgt Ion: 73 Resp: 138401

Ion Ratio Lower Upper

73 100

43 18.2 15.2 22.8

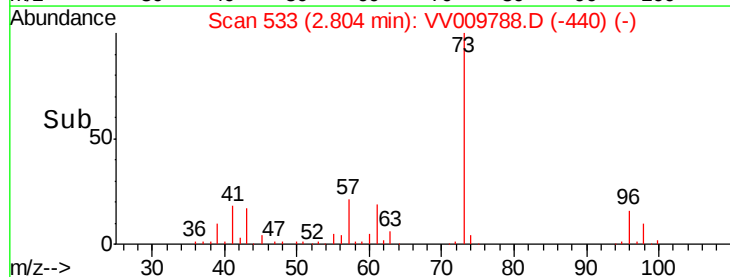
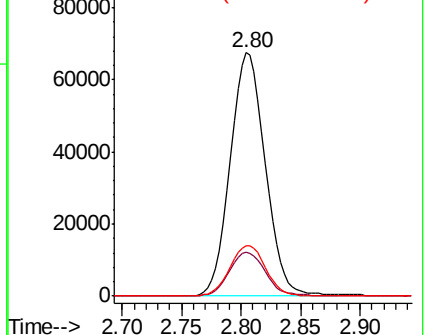
57 21.4 17.1 25.7

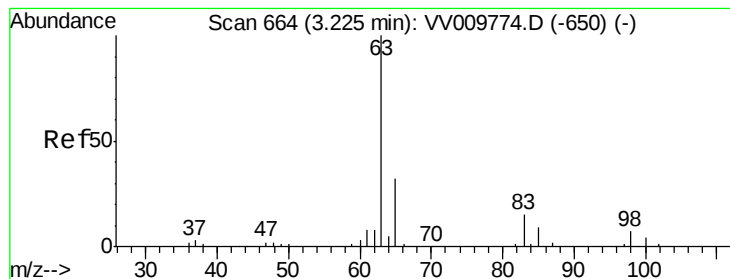


Abundance Ion 73.00 (72.70 to 73.70): VV009774.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV009774.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV009774.D (-518) (-)





#19

1,1-Dichloroethane

Concen: 48.553 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

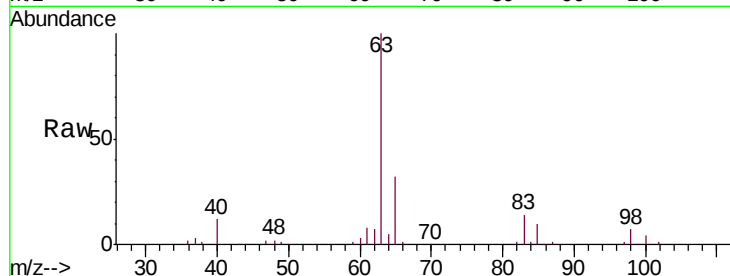
Tgt Ion: 63 Resp: 76661

Ion Ratio Lower Upper

63 100

65 31.6 22.7 42.3

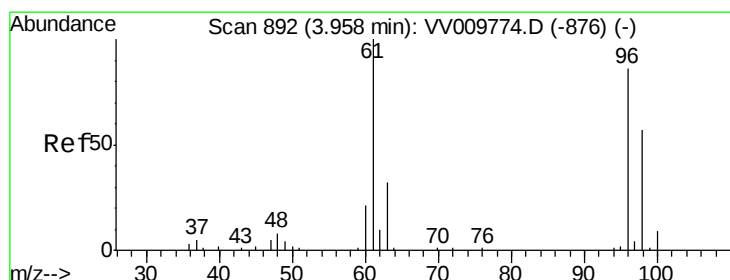
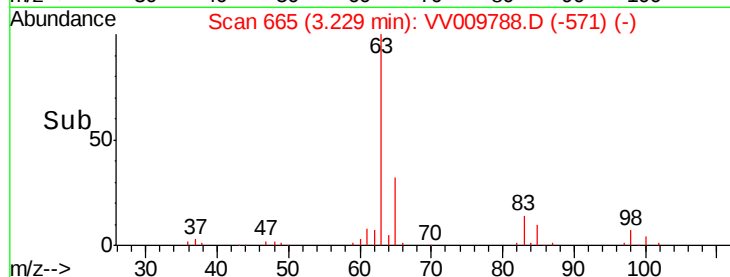
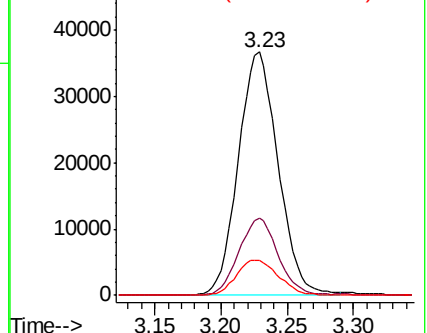
83 14.2 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VV009774.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV009774.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV009774.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.938 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

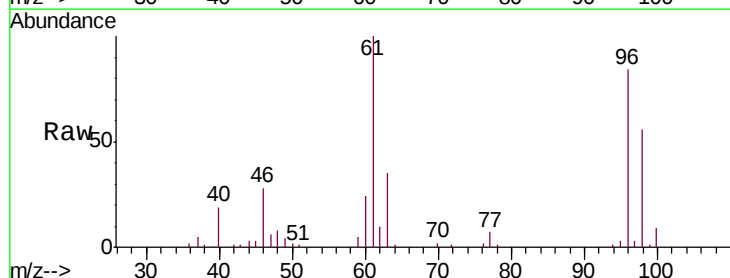
Tgt Ion: 96 Resp: 49410

Ion Ratio Lower Upper

96 100

61 118.5 77.5 143.9

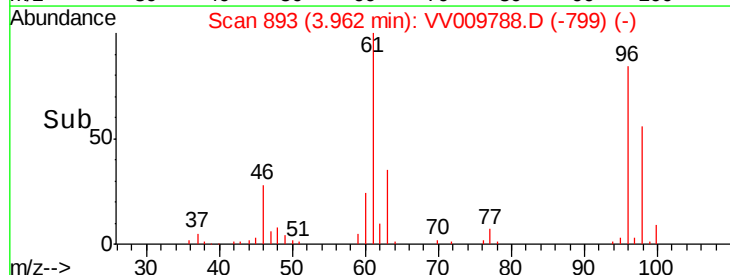
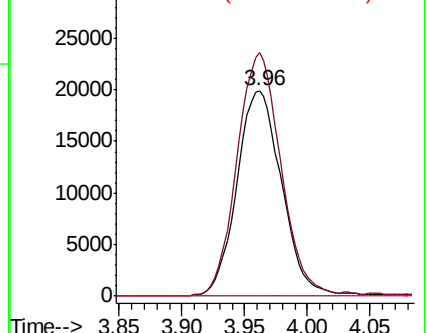
68 0.0 0.0 0.0

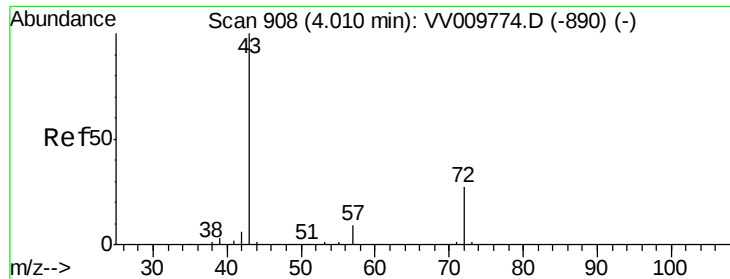


Abundance Ion 96.00 (95.70 to 96.70): VV009774.D (-876) (-)

Ion 61.00 (60.70 to 61.70): VV009774.D (-876) (-)

Ion 68.00 (67.70 to 68.70): VV009774.D (-876) (-)





#22

2-Butanone

Concen: 86.310 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

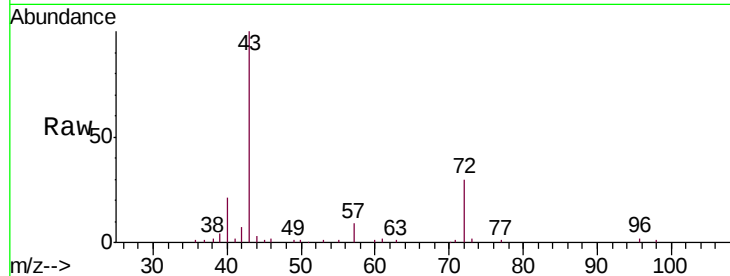
VSTD05087

Tgt Ion: 43 Resp: 58415

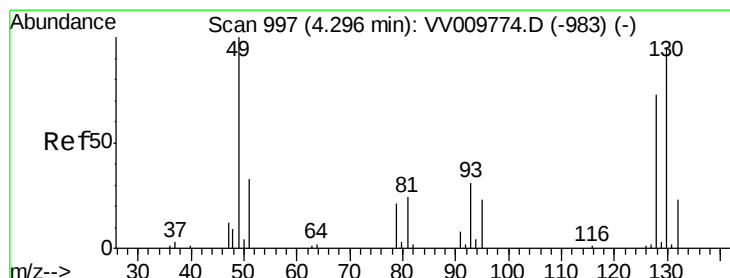
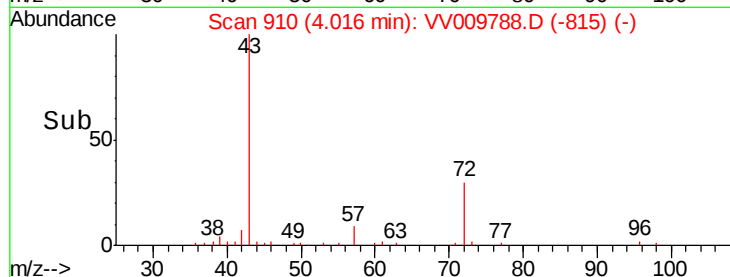
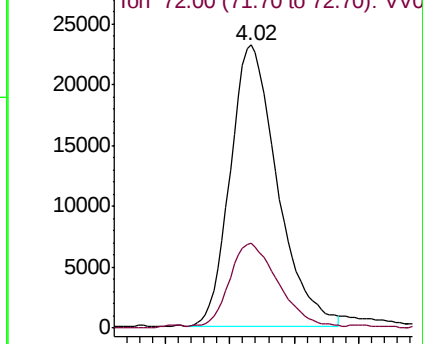
Ion Ratio Lower Upper

43 100

72 31.4 14.8 44.4



Abundance Ion 43.00 (42.70 to 43.70): VV009774.D (-890) (-)



#23

Bromochloromethane

Concen: 50.349 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Tgt Ion: 128 Resp: 26264

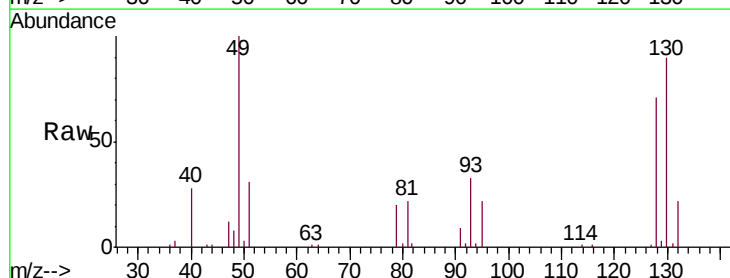
Ion Ratio Lower Upper

128 100

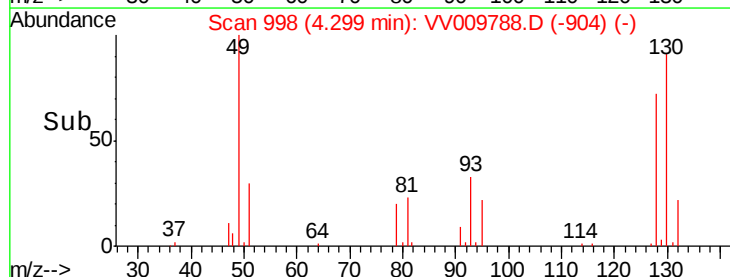
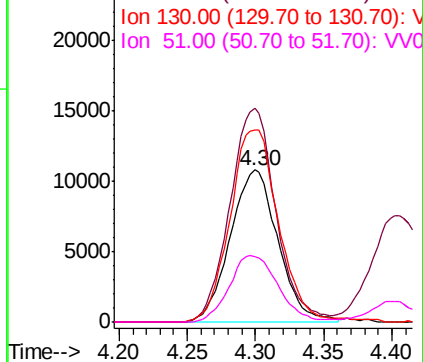
49 140.6 98.0 182.0

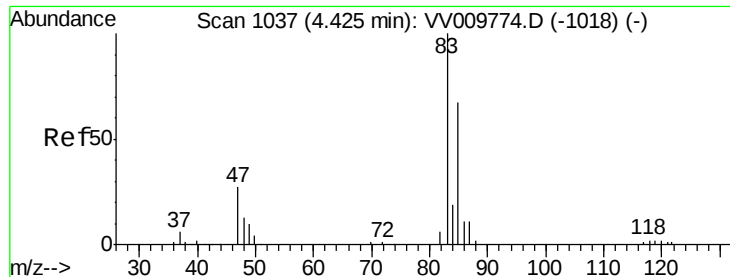
130 126.6 84.5 156.9

51 43.3 35.8 53.8



Abundance Ion 128.00 (127.70 to 128.70): VV009774.D (-983) (-)

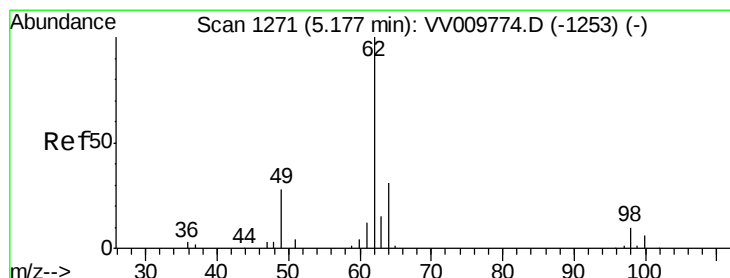
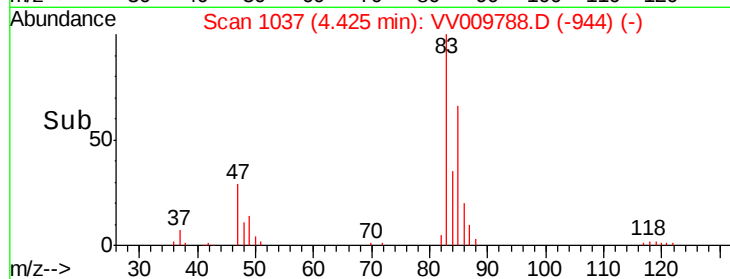
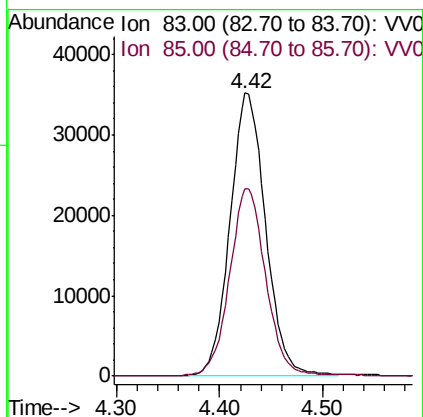
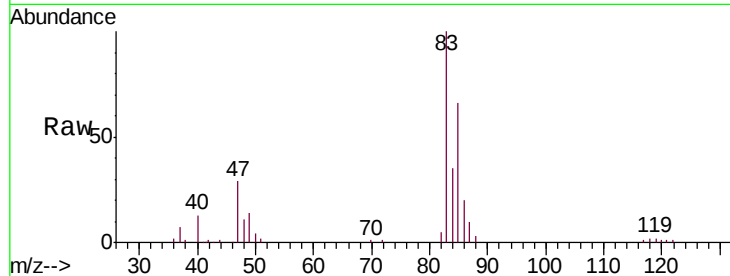




#25
Chloroform
Concen: 48.651 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

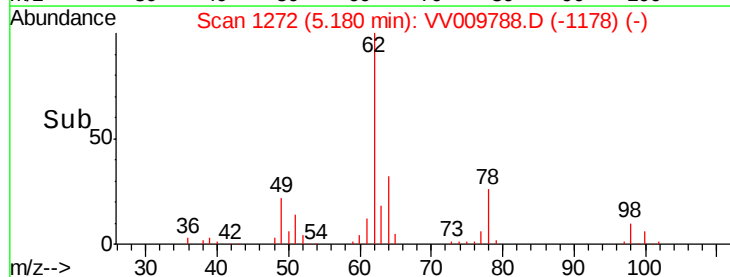
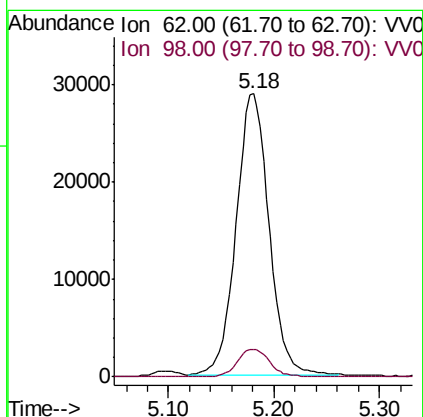
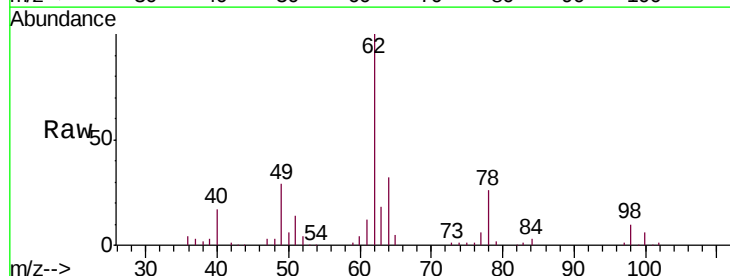
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

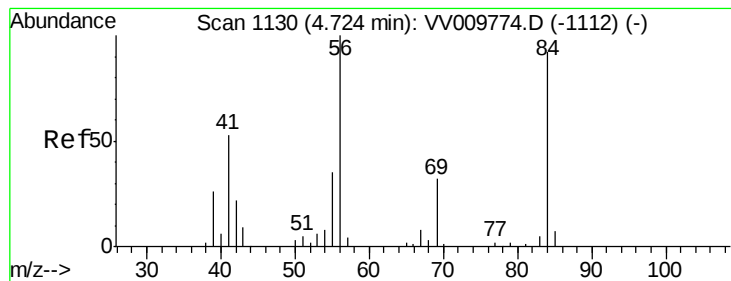
Tgt Ion: 83 Resp: 84694
Ion Ratio Lower Upper
83 100
85 66.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 47.902 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

Tgt Ion: 62 Resp: 62048
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.6





#29

Cyclohexane

Concen: 45.706 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

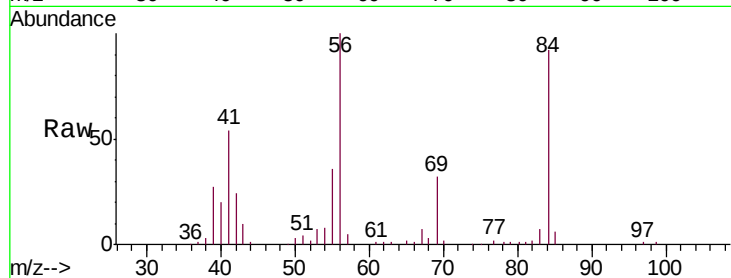
Tgt Ion: 56 Resp: 68860

Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.6

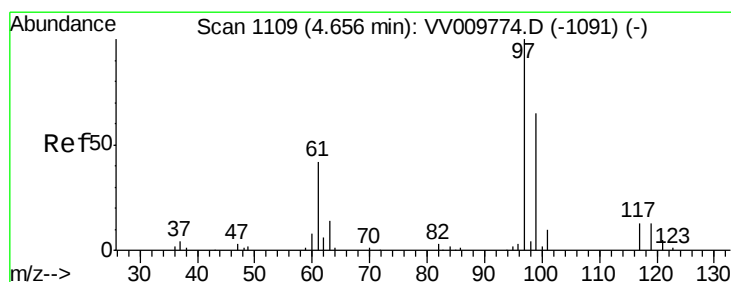
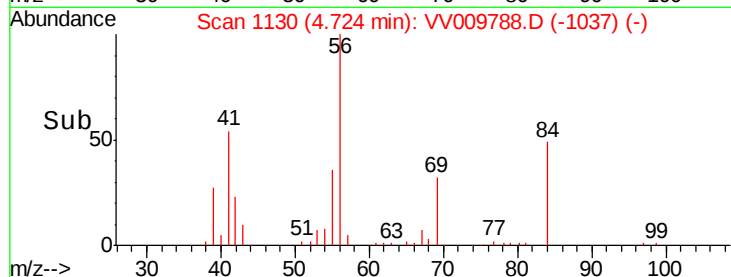
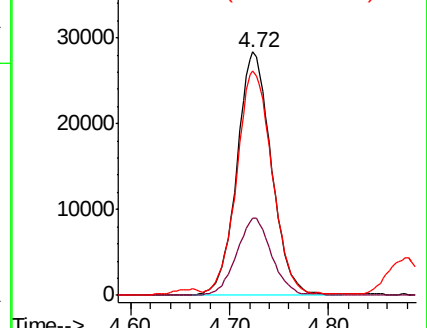
84 93.1 75.8 113.6



Abundance Ion 56.00 (55.70 to 56.70): VV009774.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV009774.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV009774.D (-1112) (-)



#30

1,1,1-Trichloroethane

Concen: 48.466 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

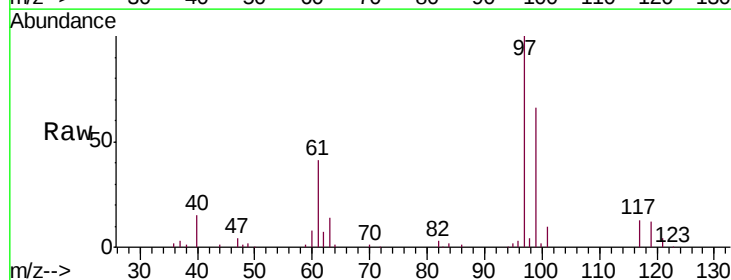
Tgt Ion: 97 Resp: 74252

Ion Ratio Lower Upper

97 100

99 65.6 50.9 76.3

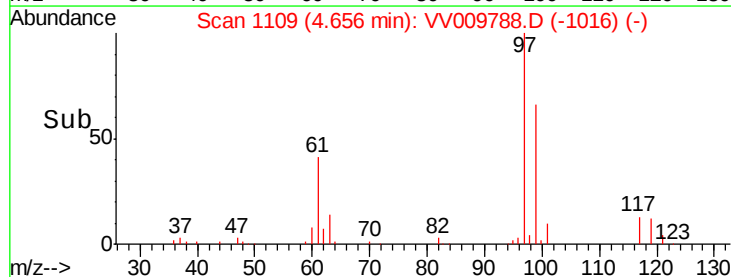
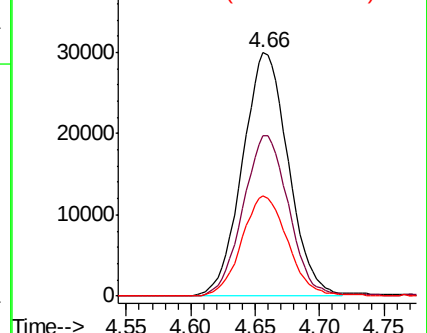
61 41.1 33.9 50.9

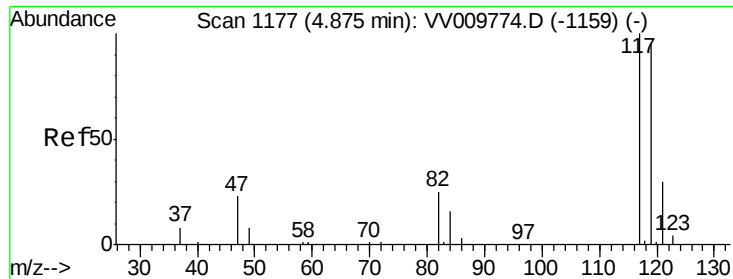


Abundance Ion 97.00 (96.70 to 97.70): VV009774.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV009774.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV009774.D (-1091) (-)





#31

Carbon tetrachloride

Concen: 50.581 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

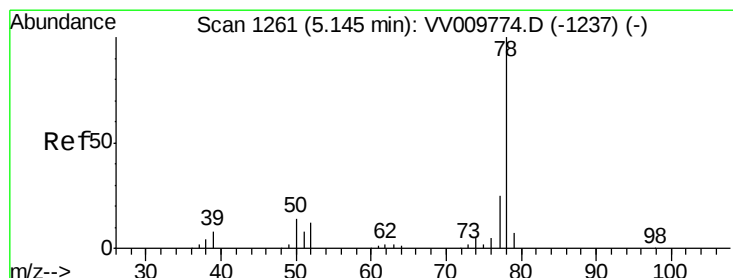
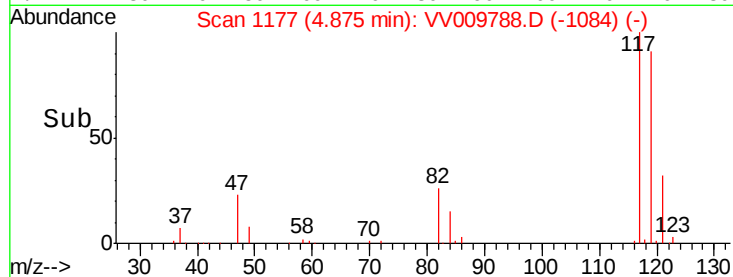
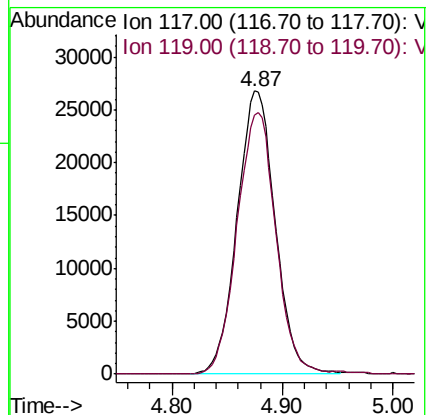
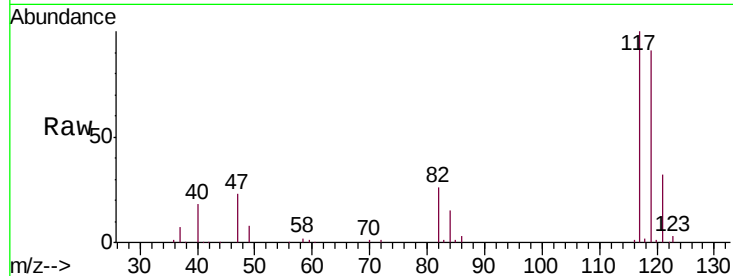
VSTD05087

Tgt Ion:117 Resp: 64017

Ion Ratio Lower Upper

117 100

119 93.9 74.9 112.3



#33

Benzene

Concen: 47.951 ug/L

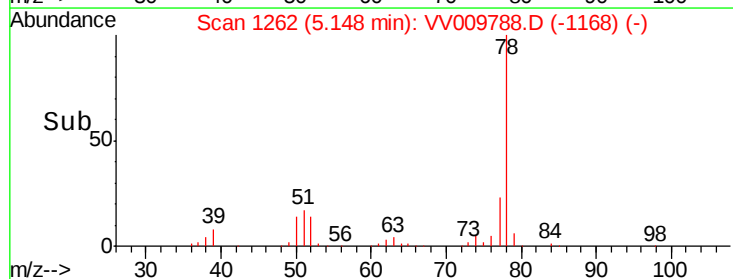
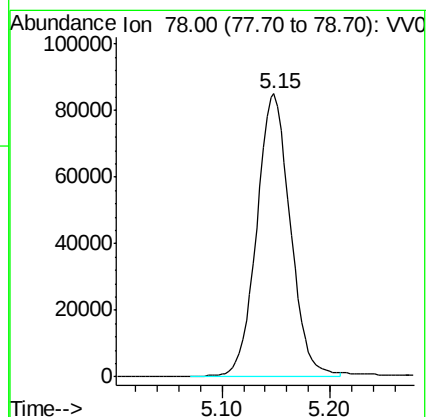
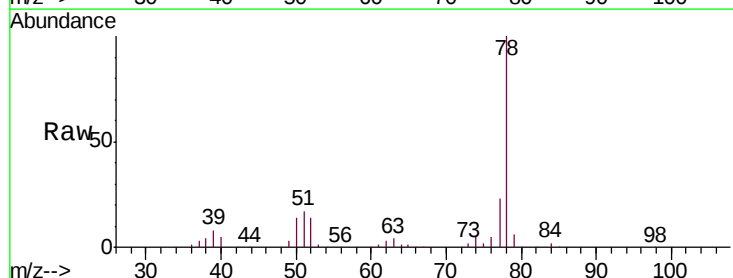
RT: 5.15 min Scan# 1262

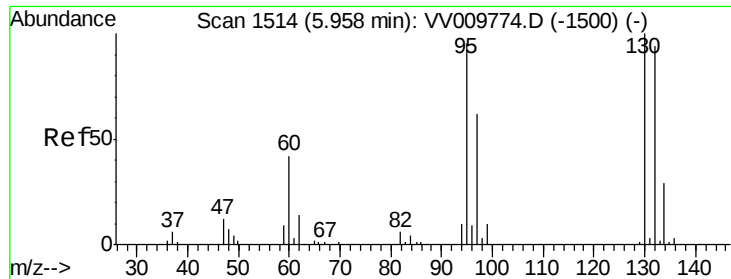
Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Tgt Ion: 78 Resp: 184243

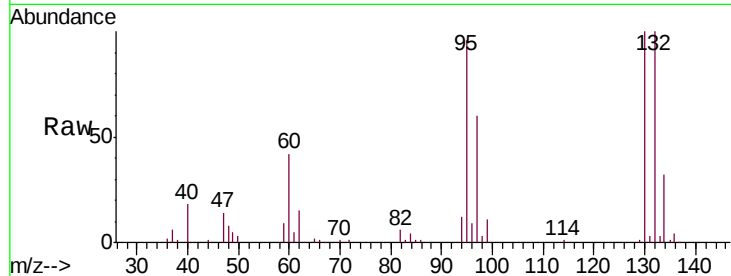




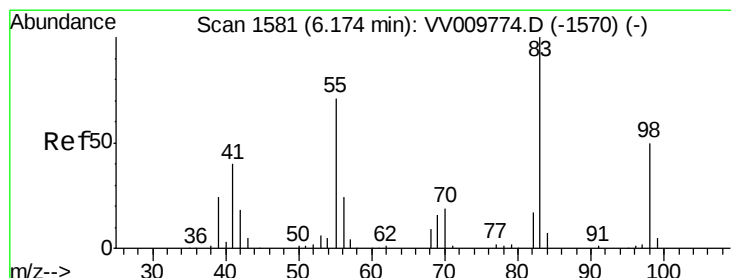
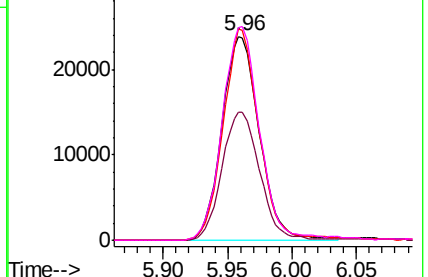
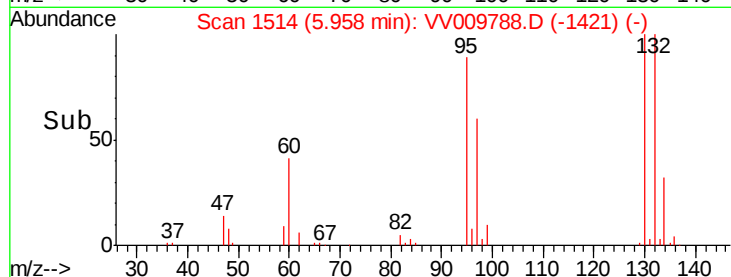
#34
 Trichloroethene
 Concen: 48.125 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009788.D
 Acq: 19 Mar 2019 19:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tgt Ion: 95 Resp: 48198
 Ion Ratio Lower Upper
 95 100
 97 62.6 45.1 83.9
 132 103.4 68.0 126.2
 130 103.9 71.3 132.3

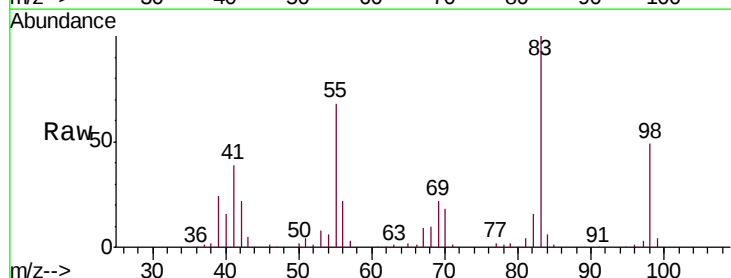


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

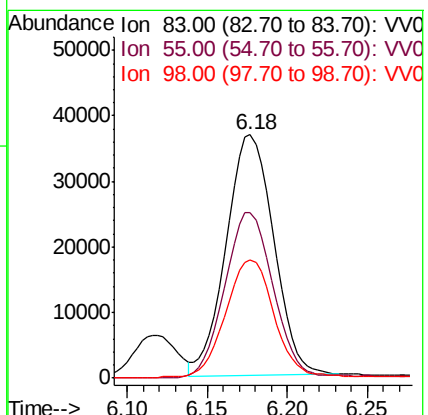
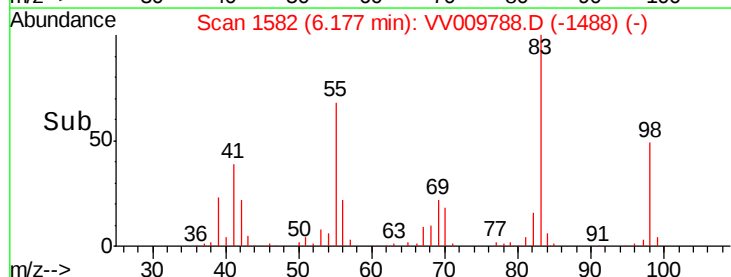


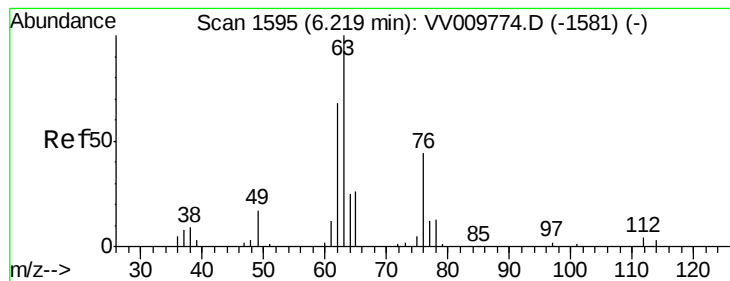
#35
 Methylcyclohexane
 Concen: 45.373 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009788.D
 Acq: 19 Mar 2019 19:44

Tgt Ion: 83 Resp: 74783
 Ion Ratio Lower Upper
 83 100
 55 69.8 54.2 81.4
 98 48.8 38.4 57.6



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





#37

1,2-Dichloropropane

Concen: 46.258 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

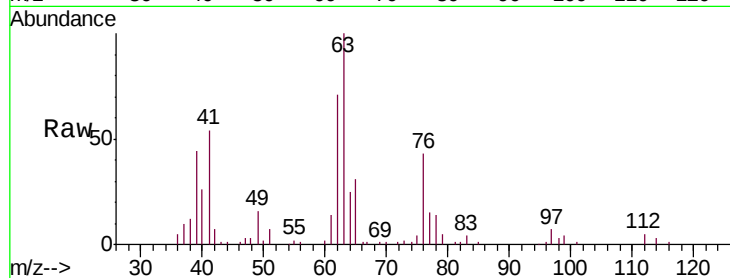
VSTD05087

Tgt Ion: 63 Resp: 45326

Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4

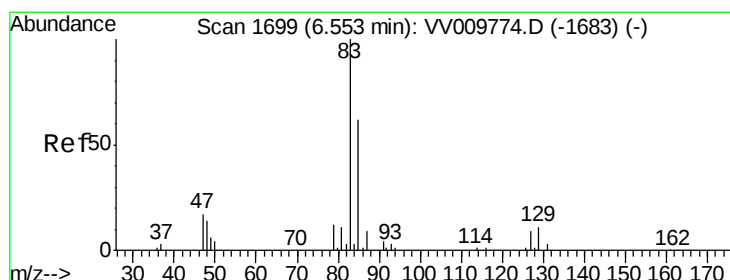
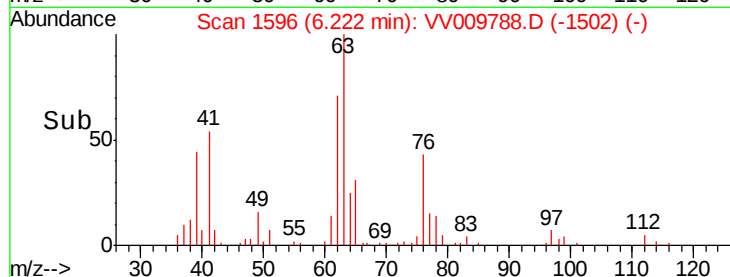


Abundance Ion 63.00 (62.70 to 63.70): VV009774.D (-1581) (-)

Ion 112.00 (111.70 to 112.70): VV009774.D (-1581) (-)

Time-->

6.15 6.20 6.25 6.30



#38

Bromodichloromethane

Concen: 47.621 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

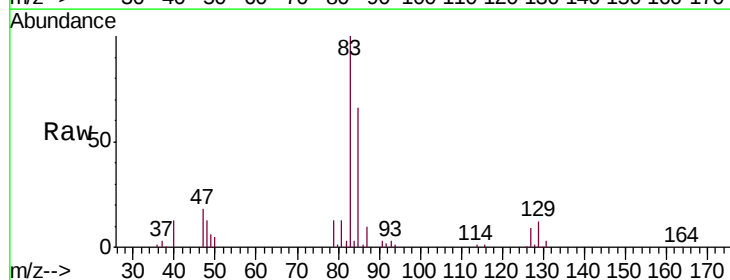
Tgt Ion: 83 Resp: 61316

Ion Ratio Lower Upper

83 100

85 65.9 44.9 83.5

127 8.8 6.7 10.1



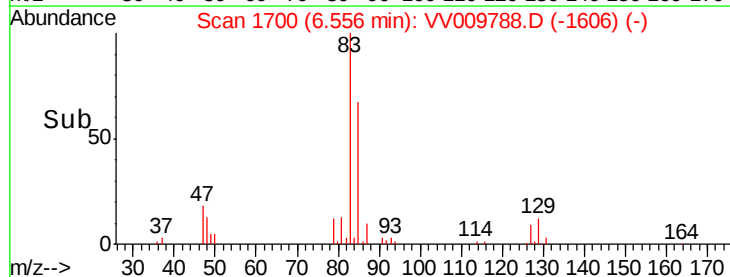
Abundance Ion 83.00 (82.70 to 83.70): VV009774.D (-1683) (-)

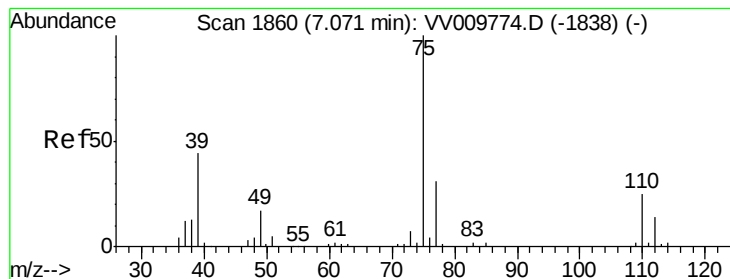
Ion 85.00 (84.70 to 85.70): VV009774.D (-1683) (-)

Ion 127.00 (126.70 to 127.70): VV009774.D (-1683) (-)

Time-->

6.50 6.55 6.60 6.65



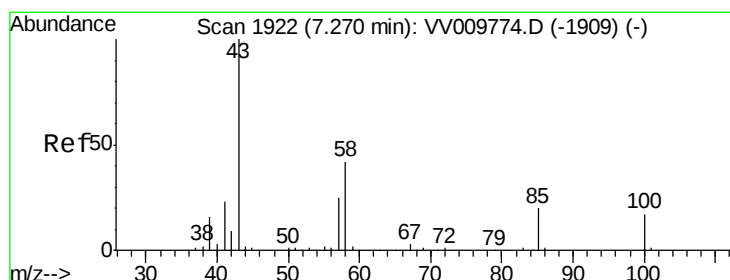
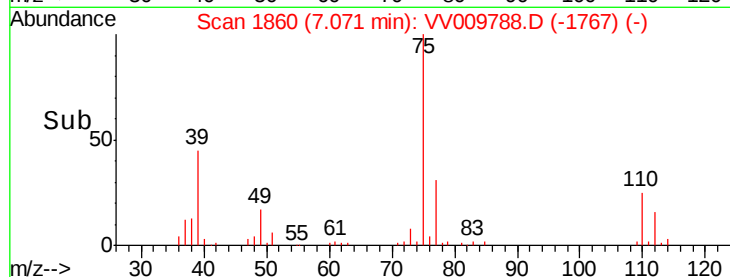
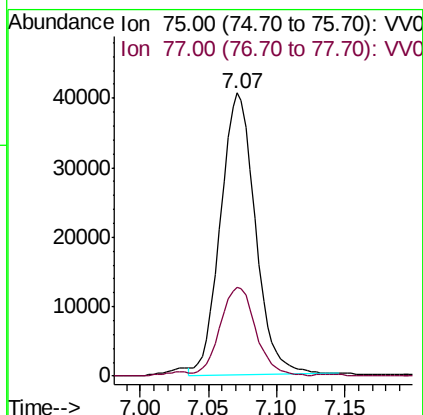
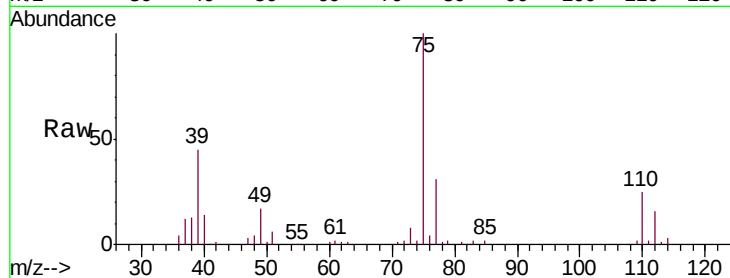


#39

cis-1,3-Dichloropropene
Concen: 48.061 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

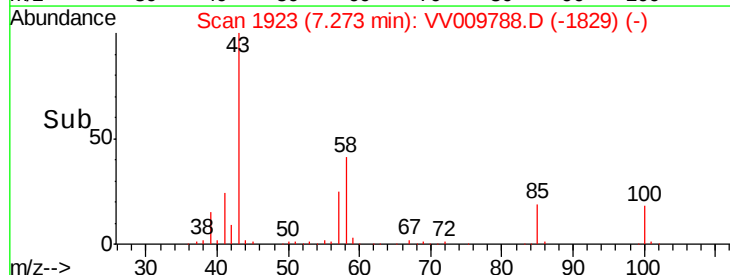
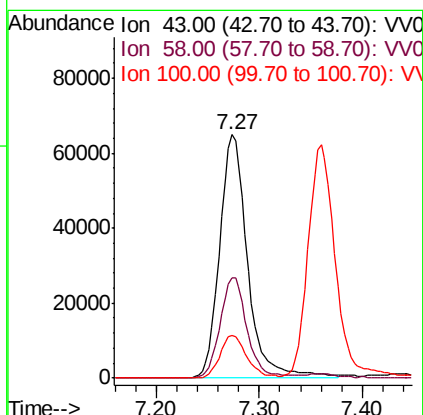
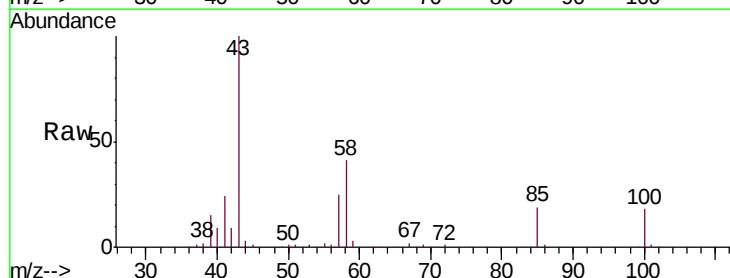
Tgt Ion: 75 Resp: 71938
Ion Ratio Lower Upper
75 100
77 31.2 22.4 41.6

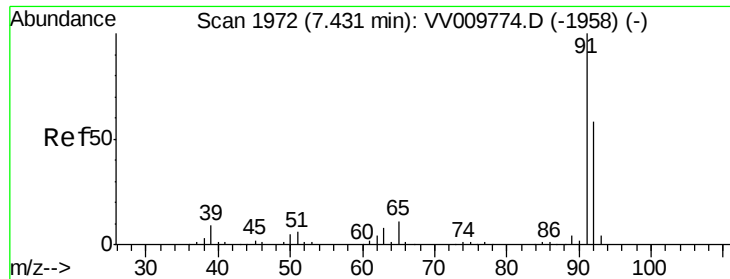


#40

4-Methyl-2-pentanone
Concen: 95.487 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

Tgt Ion: 43 Resp: 122852
Ion Ratio Lower Upper
43 100
58 39.7 32.3 48.5
100 16.9 13.7 20.5





#42

Toluene

Concen: 48.821 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

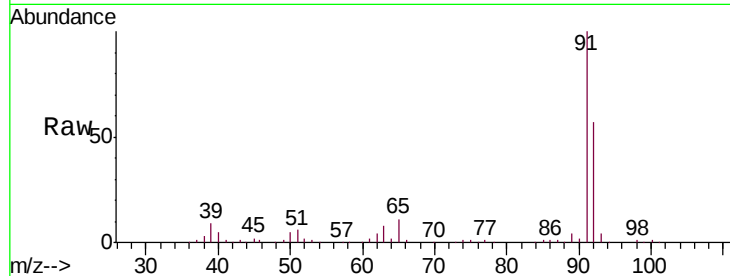
VSTD05087

Tgt Ion: 91 Resp: 209054

Ion Ratio Lower Upper

91 100

92 56.7 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV009774.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009774.D (-1958) (-)

7.43

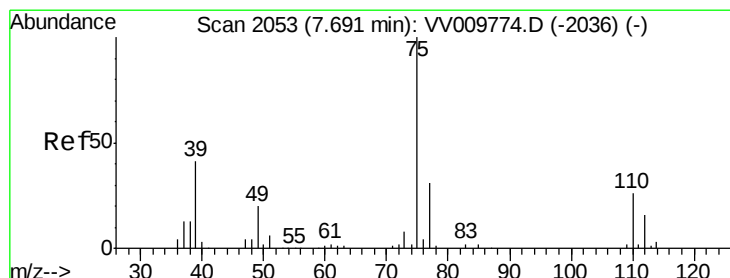
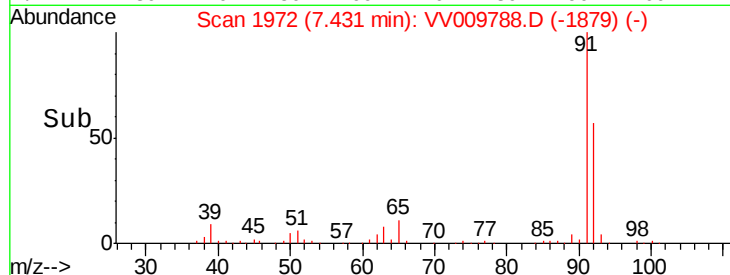
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.933 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009788.D

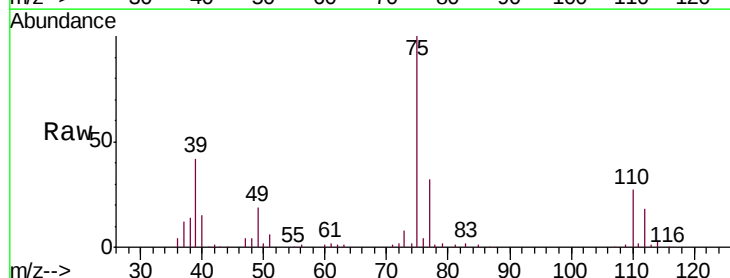
Acq: 19 Mar 2019 19:44

Tgt Ion: 75 Resp: 69358

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009774.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009774.D (-2036) (-)

7.69

40000

30000

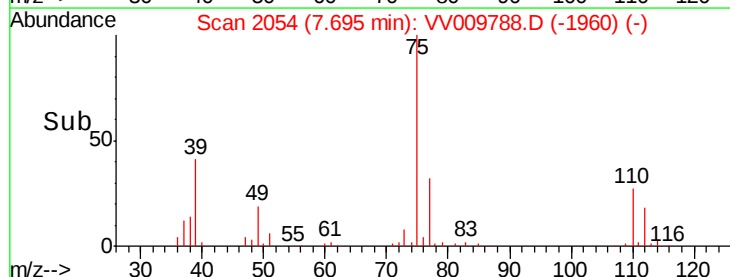
20000

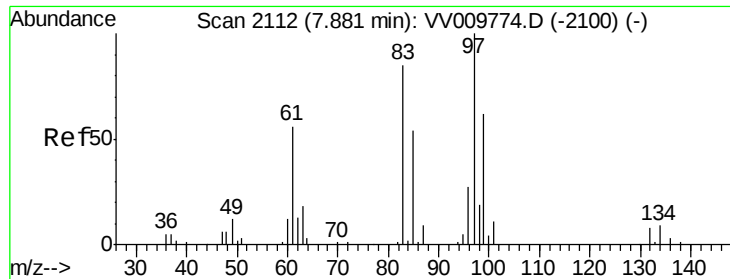
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->

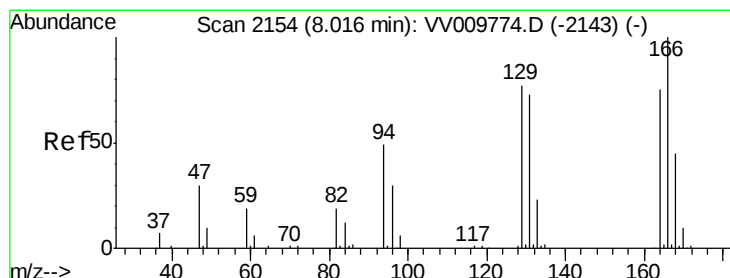
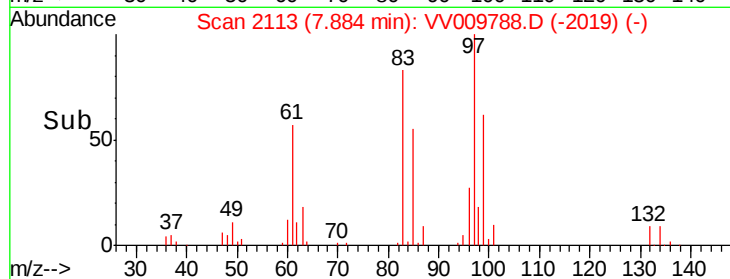
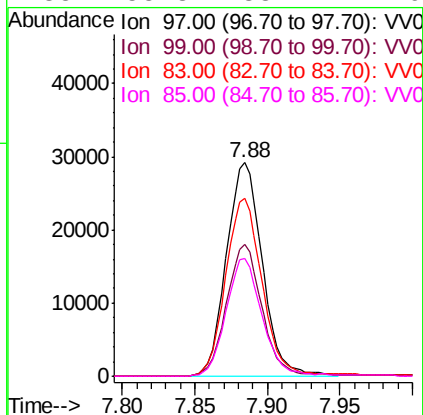
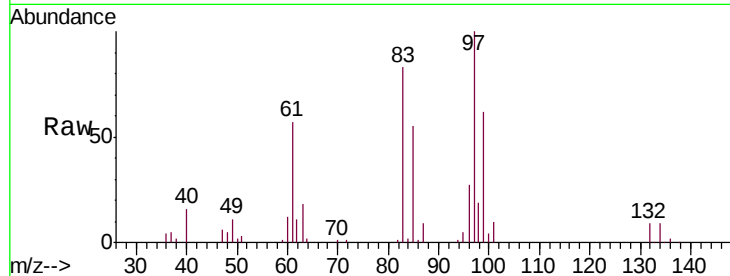




#45
 1,1,2-Trichloroethane
 Concen: 49.615 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009788.D
 Acq: 19 Mar 2019 19:44

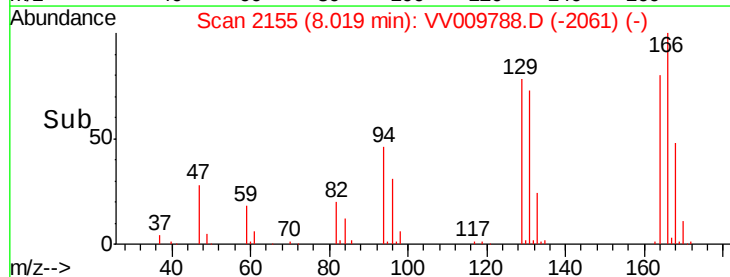
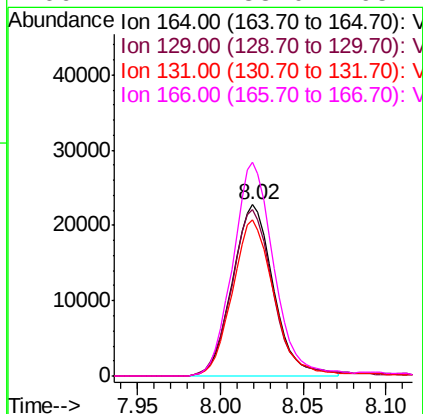
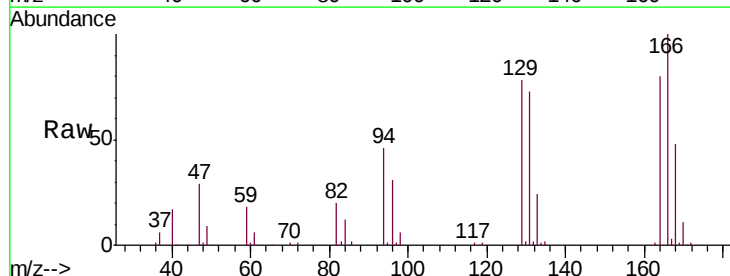
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

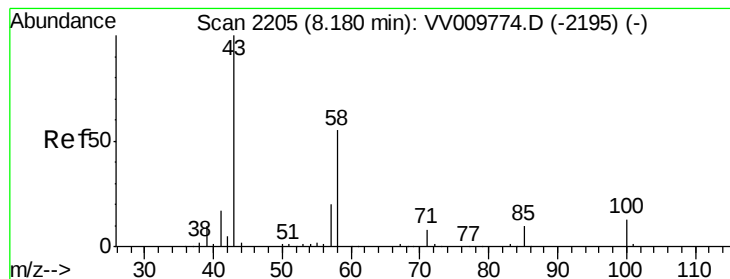
Tgt Ion:	97	Resp:	50287
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.8	79.6
83	83.1	59.7	110.9
85	55.3	38.7	71.9



#46
 Tetrachloroethene
 Concen: 47.032 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009788.D
 Acq: 19 Mar 2019 19:44

Tgt Ion:	164	Resp:	39320
Ion	Ratio	Lower	Upper
164	100		
129	97.4	70.0	130.0
131	91.2	67.5	125.4
166	124.7	88.0	163.4





#48

2-Hexanone

Concen: 88.865 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

Tgt Ion: 43 Resp: 85105

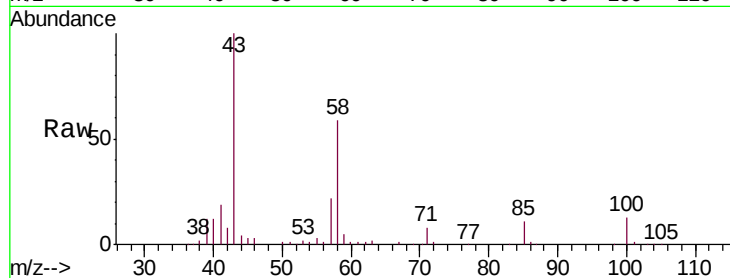
Ion Ratio Lower Upper

43 100

58 59.8 46.0 69.0

57 19.8 14.8 22.2

100 13.6 10.8 16.2

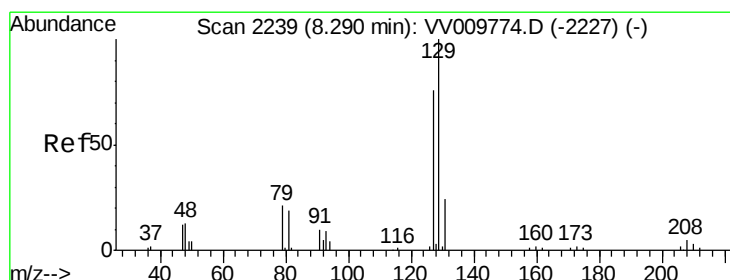
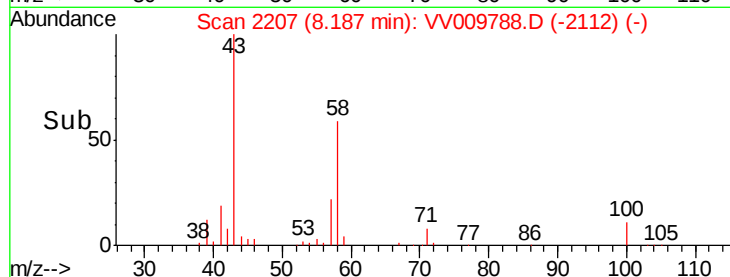
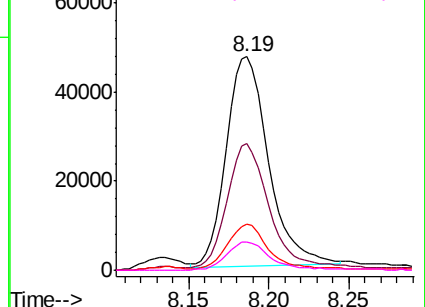


Abundance Ion 43.00 (42.70 to 43.70): VV0

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



#49

Dibromochloromethane

Concen: 50.479 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV009788.D

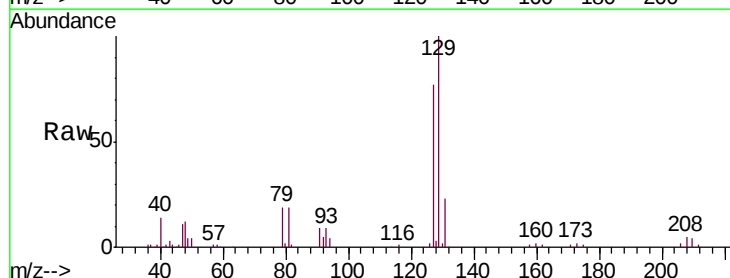
Acq: 19 Mar 2019 19:44

Tgt Ion: 129 Resp: 54886

Ion Ratio Lower Upper

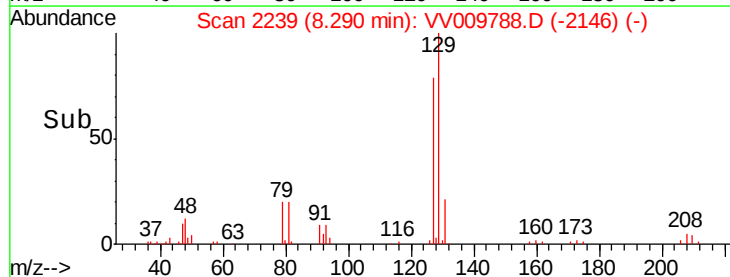
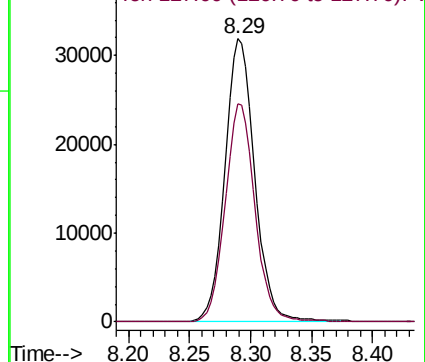
129 100

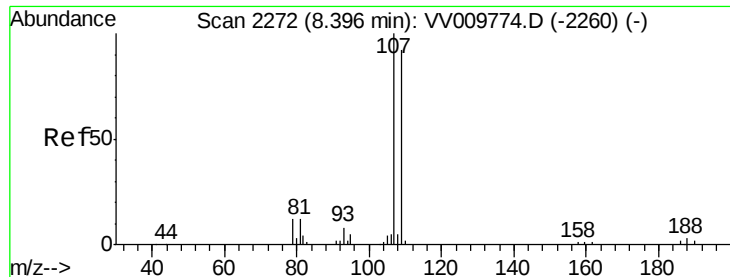
127 76.9 55.2 102.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

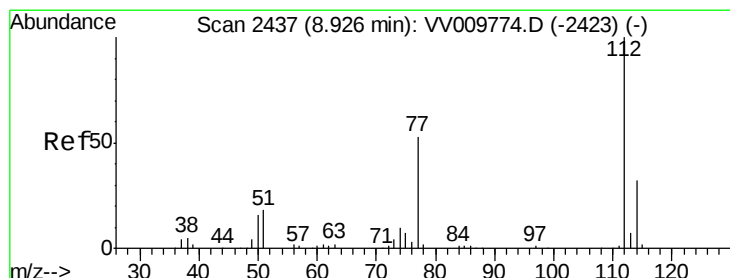
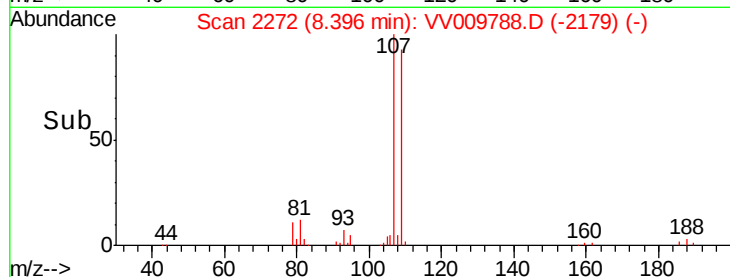
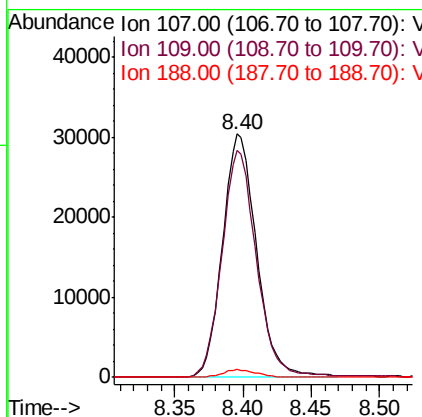
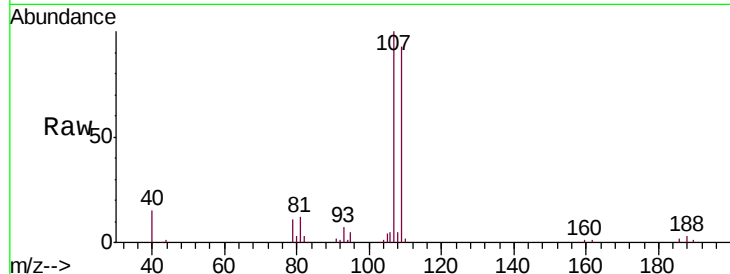




#50
1,2-Dibromoethane
Concen: 50.100 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

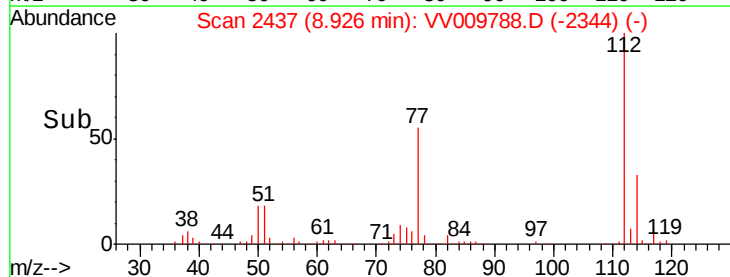
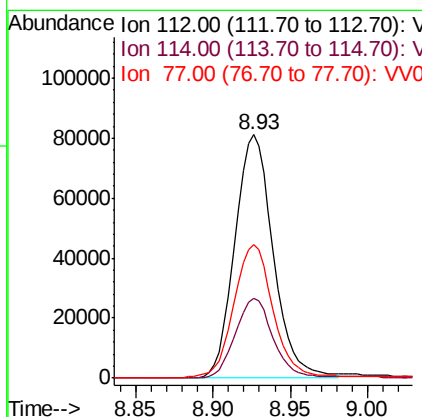
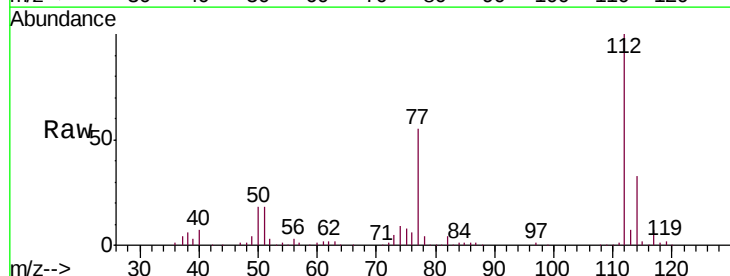
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

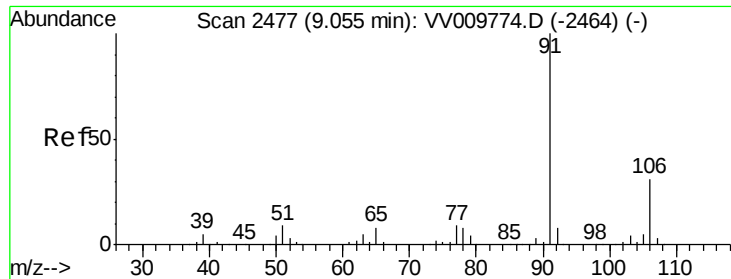
Tgt Ion:107 Resp: 52947
Ion Ratio Lower Upper
107 100
109 93.2 65.3 121.3
188 3.2 2.2 3.4



#51
Chlorobenzene
Concen: 48.710 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

Tgt Ion:112 Resp: 140041
Ion Ratio Lower Upper
112 100
114 32.6 22.5 41.9
77 55.1 45.4 68.2





#52

Ethylbenzene

Concen: 47.718 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

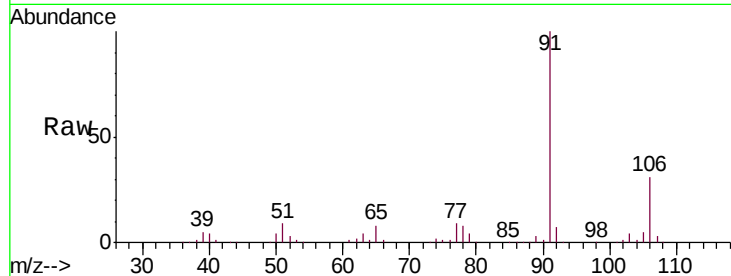
VSTD05087

Tgt Ion: 91 Resp: 231752

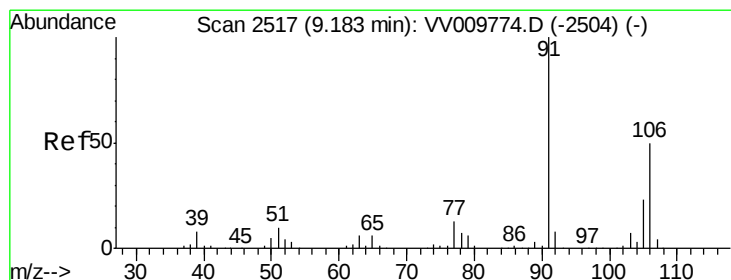
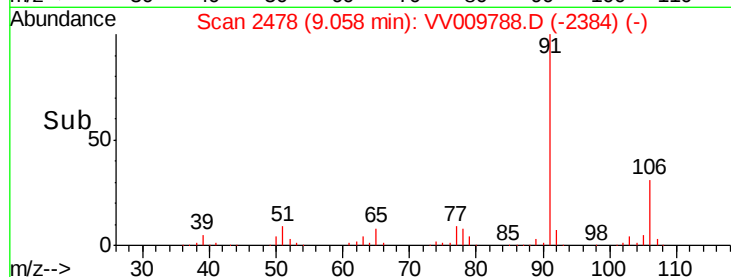
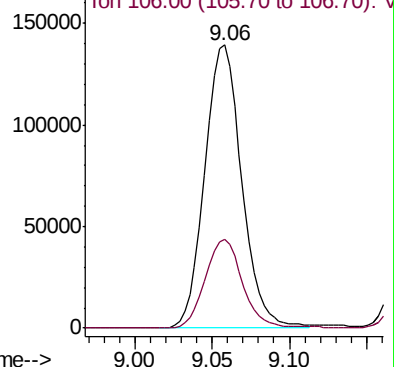
Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009774.D (-2464) (-)



#53

m,p-Xylene

Concen: 49.145 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009788.D

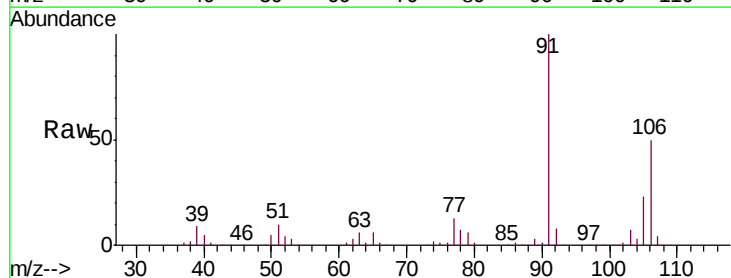
Acq: 19 Mar 2019 19:44

Tgt Ion: 106 Resp: 92209

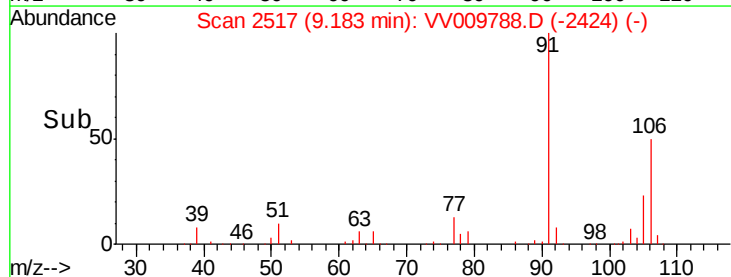
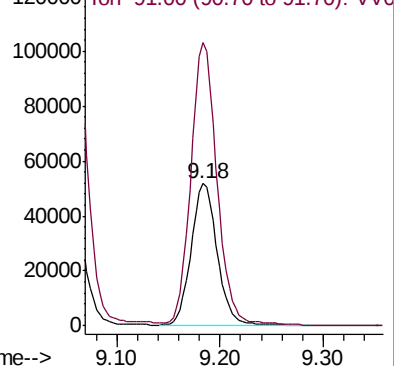
Ion Ratio Lower Upper

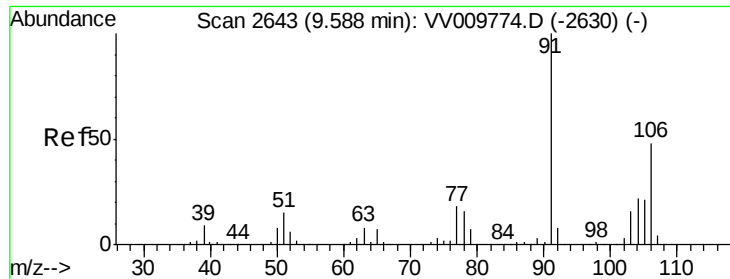
106 100

91 198.9 141.1 262.1



Abundance Ion 106.00 (105.70 to 106.70): VV009774.D (-2504) (-)

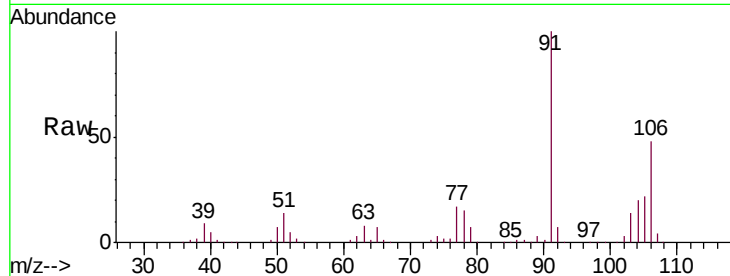




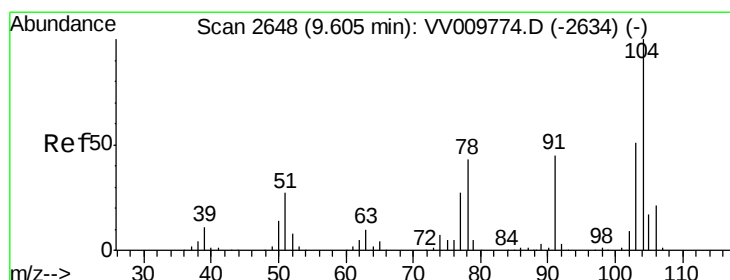
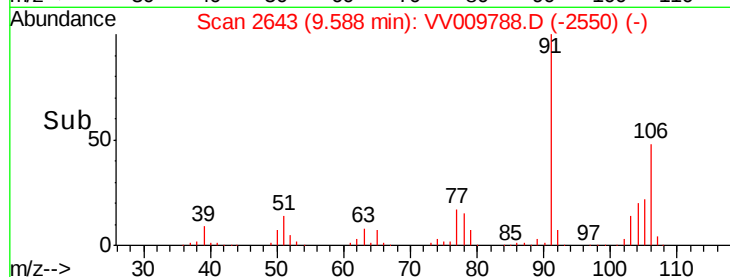
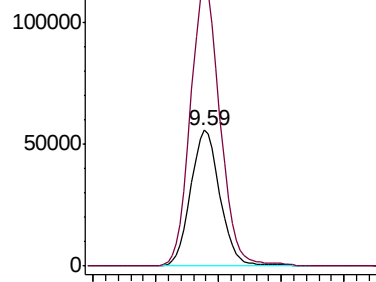
#54
o-Xylene
Concen: 48.598 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tgt Ion:106 Resp: 91693
Ion Ratio Lower Upper
106 100
91 208.2 148.3 275.5

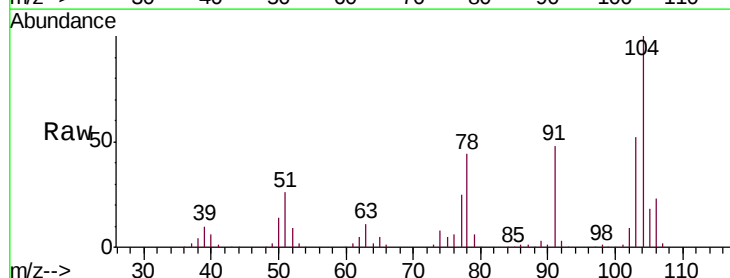


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

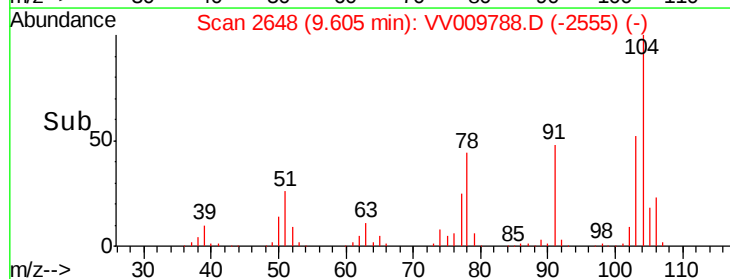
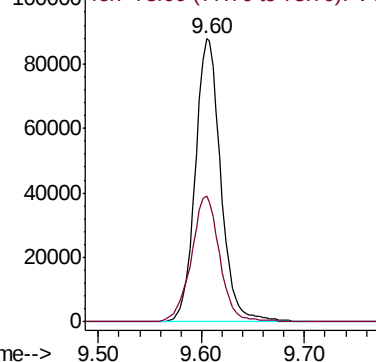


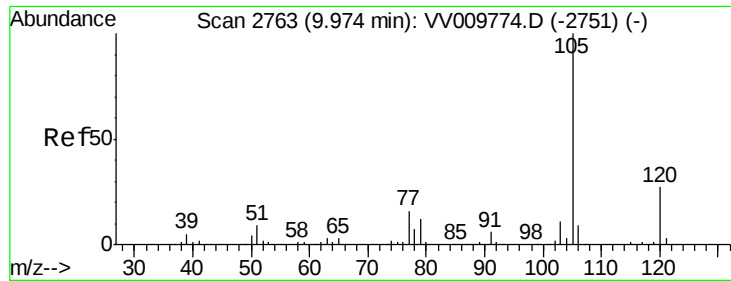
#55
Styrene
Concen: 49.255 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009788.D
Acq: 19 Mar 2019 19:44

Tgt Ion:104 Resp: 151475
Ion Ratio Lower Upper
104 100
78 44.5 32.5 60.3



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





#56

Isopropylbenzene

Concen: 48.388 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

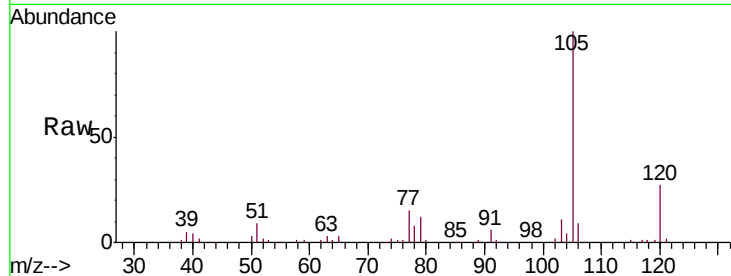
Tgt Ion: 105 Resp: 237568

Ion Ratio Lower Upper

105 100

120 27.2 21.1 31.7

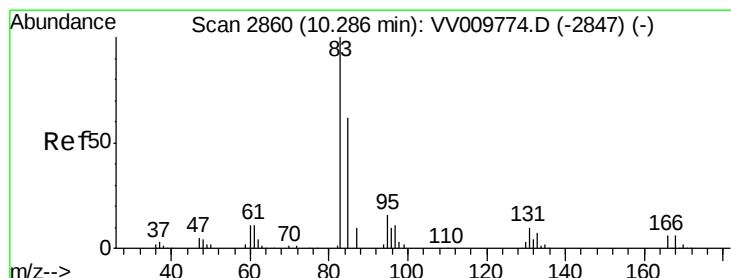
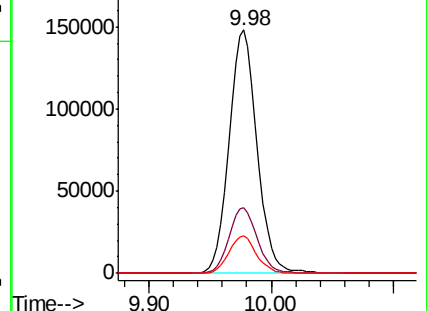
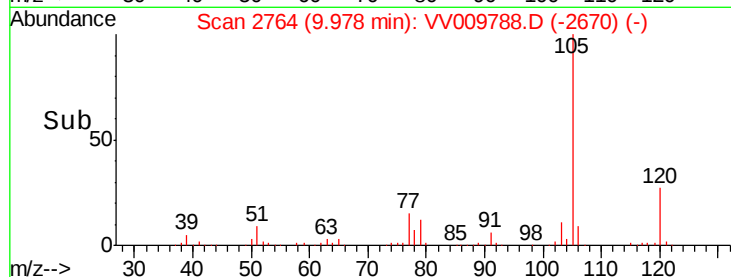
77 15.2 12.7 19.1



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: 47.656 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

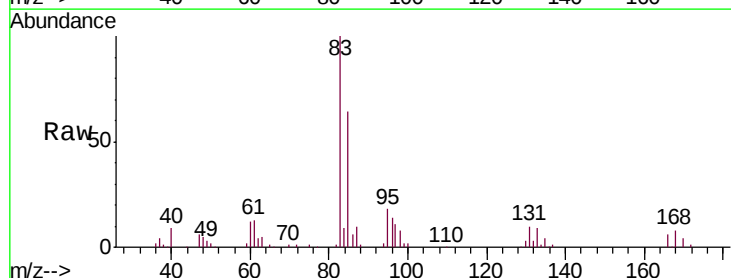
Tgt Ion: 83 Resp: 83937

Ion Ratio Lower Upper

83 100

85 64.4 43.5 80.9

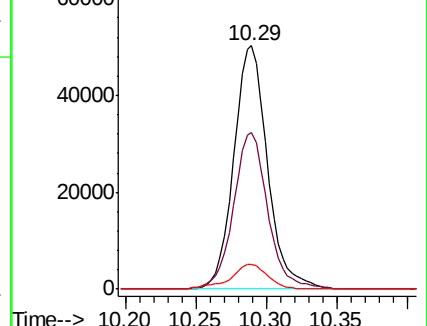
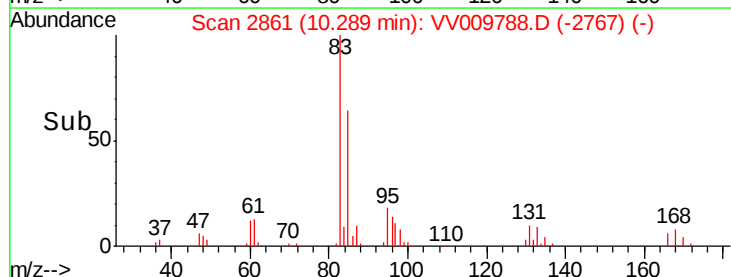
131 10.3 8.4 12.6

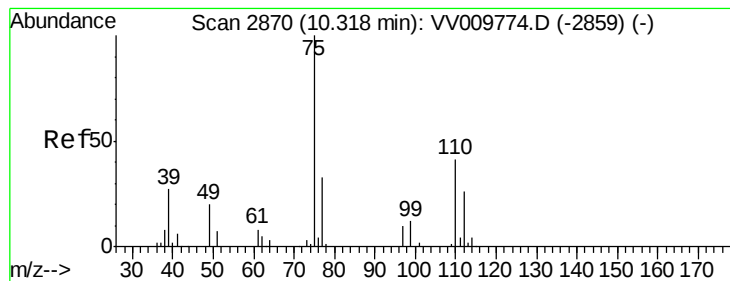


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.785 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

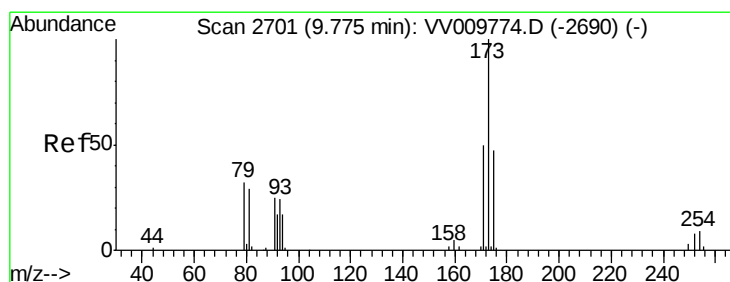
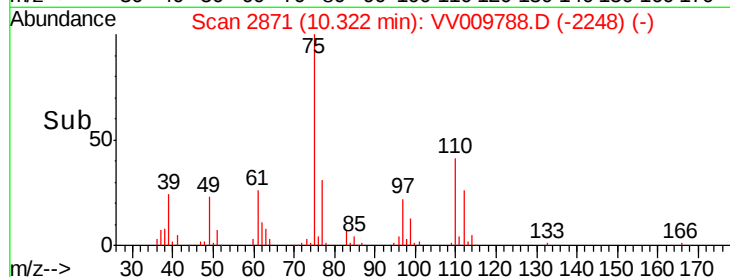
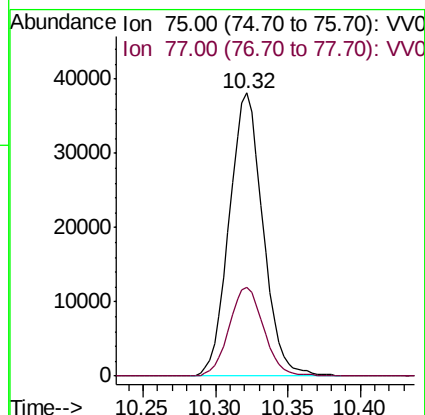
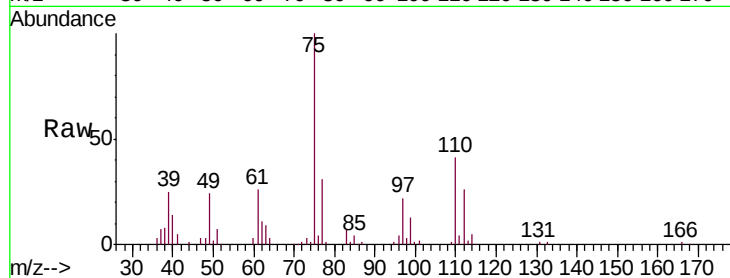
VSTD05087

Tgt Ion: 75 Resp: 61605

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.4



#61

Bromoform

Concen: 46.657 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

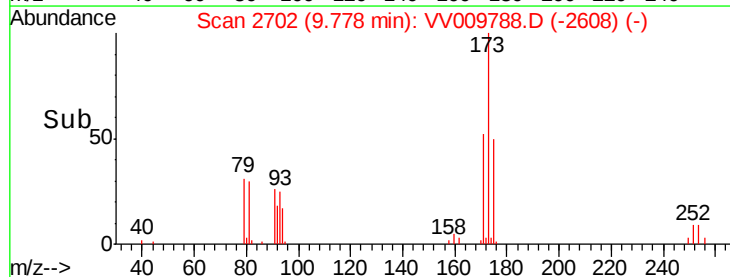
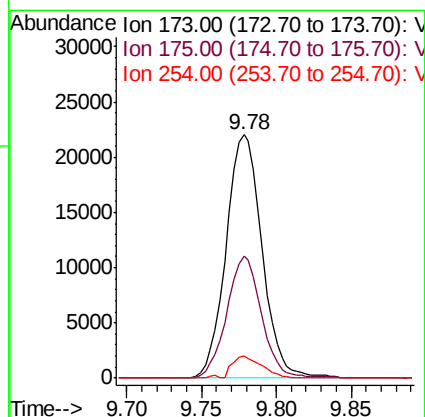
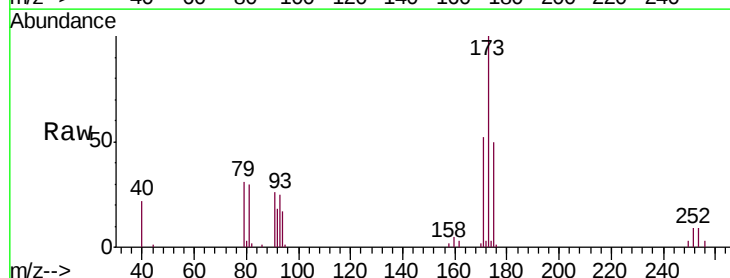
Tgt Ion: 173 Resp: 36926

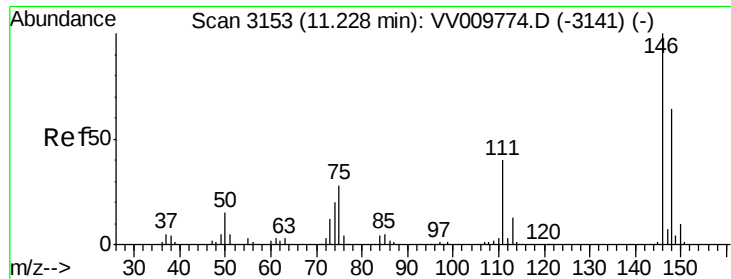
Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

254 7.3 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 46.916 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

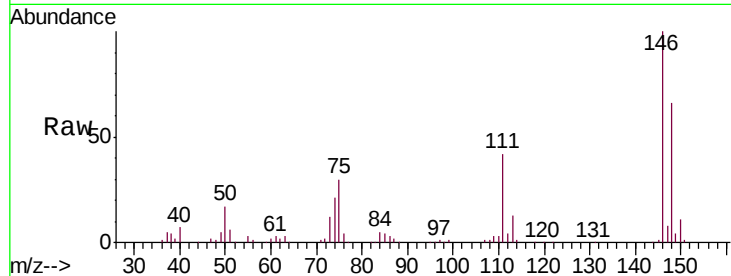
Tgt Ion:146 Resp: 102479

Ion Ratio Lower Upper

146 100

111 41.6 28.8 53.4

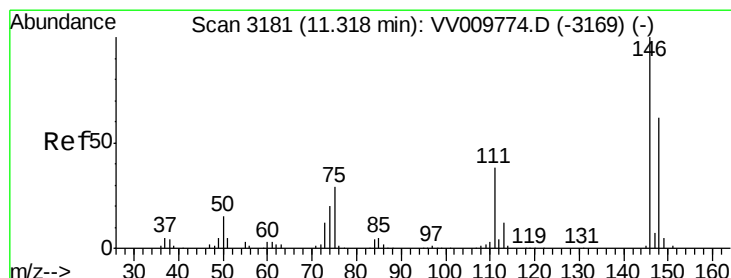
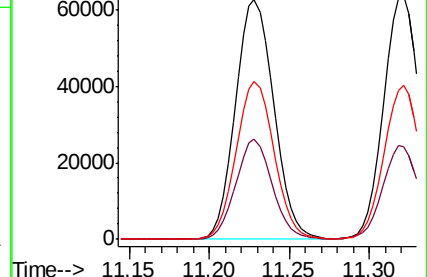
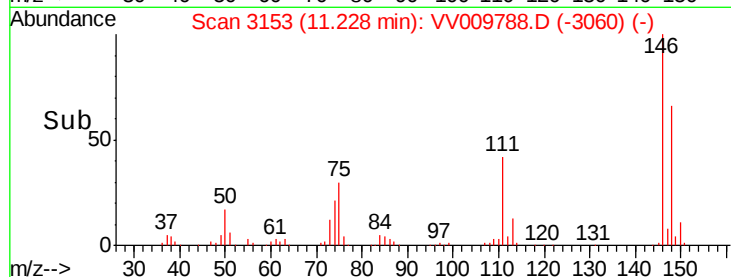
148 65.7 44.8 83.2



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



#63

1,4-Dichlorobenzene

Concen: 46.699 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

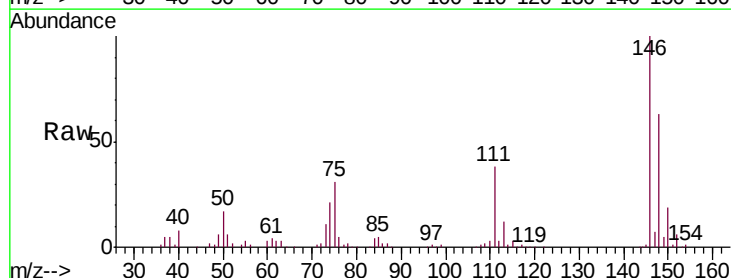
Tgt Ion:146 Resp: 102909

Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.5

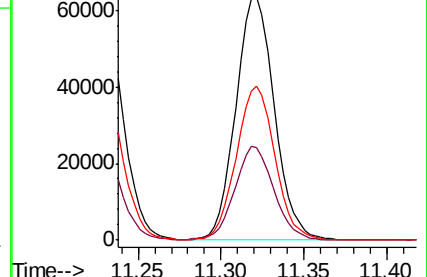
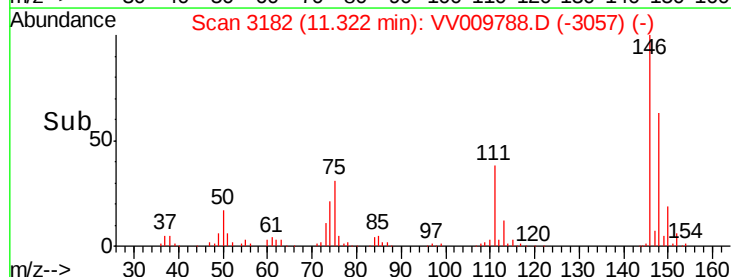
148 63.0 44.3 82.3

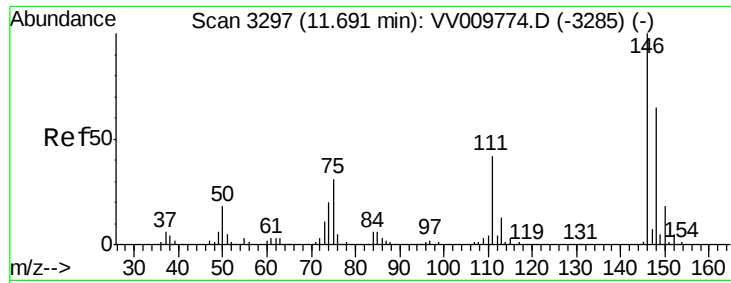


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

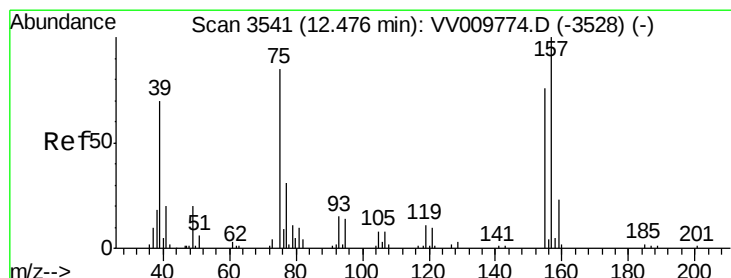
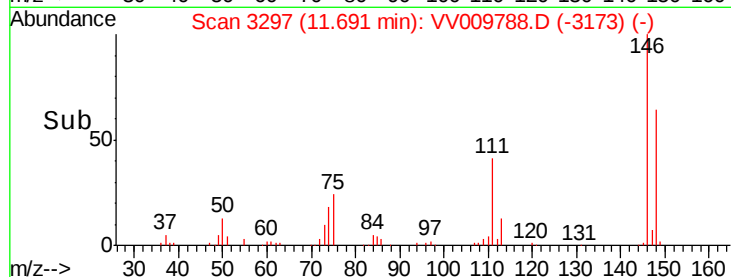
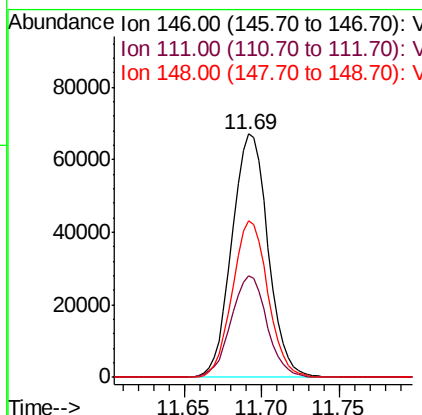
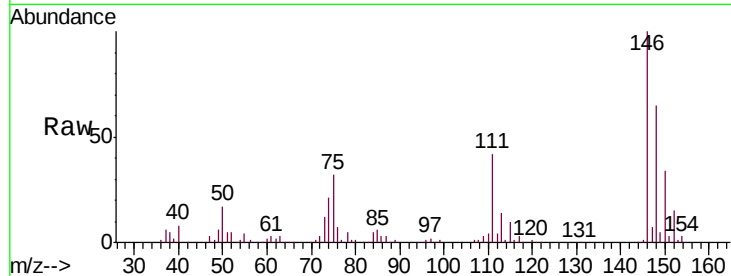




#65
 1,2-Dichlorobenzene
 Concen: 48.829 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009788.D
 Acq: 19 Mar 2019 19:44

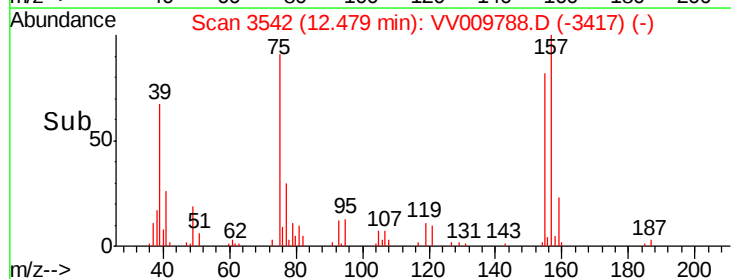
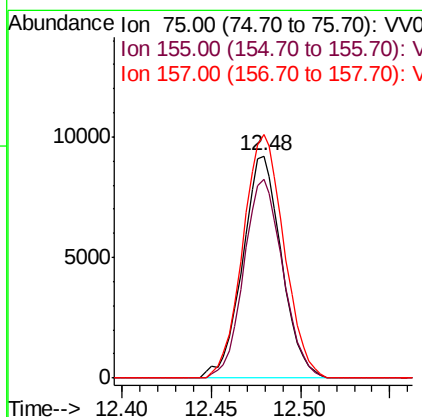
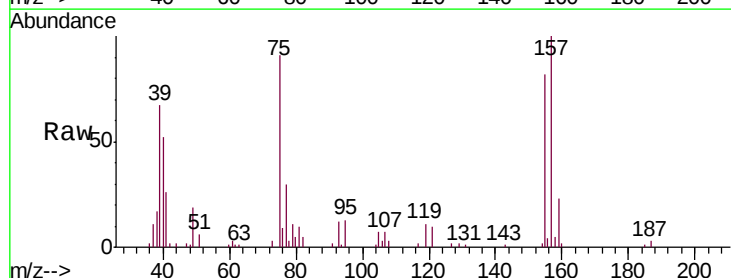
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

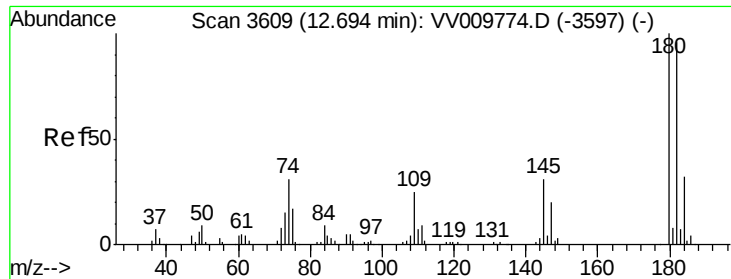
Tgt Ion: 146 Resp: 108829
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.2 48.4
 148 64.5 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.536 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009788.D
 Acq: 19 Mar 2019 19:44

Tgt Ion: 75 Resp: 14097
 Ion Ratio Lower Upper
 75 100
 155 89.3 70.3 105.5
 157 109.5 96.8 145.2

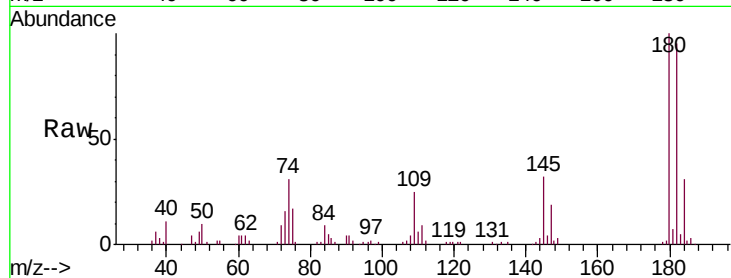




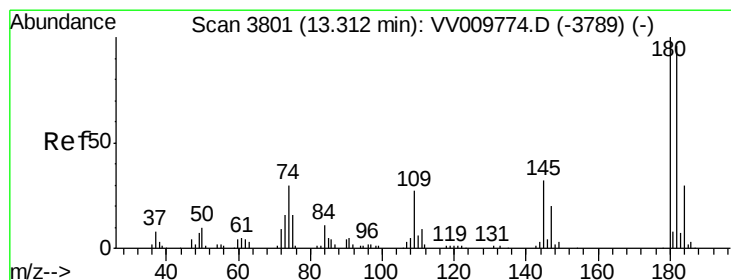
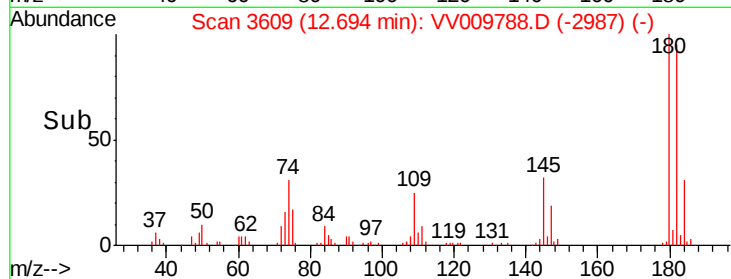
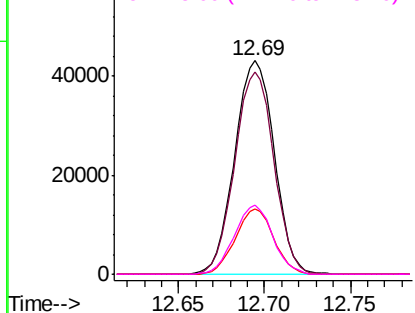
#67
 1,3,5-Trichlorobenzene
 Concen: 49.675 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009788.D
 Acq: 19 Mar 2019 19:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tgt Ion:180 Resp: 69006
 Ion Ratio Lower Upper
 180 100
 182 93.5 73.9 110.9
 184 29.7 23.4 35.2
 145 31.5 24.6 37.0

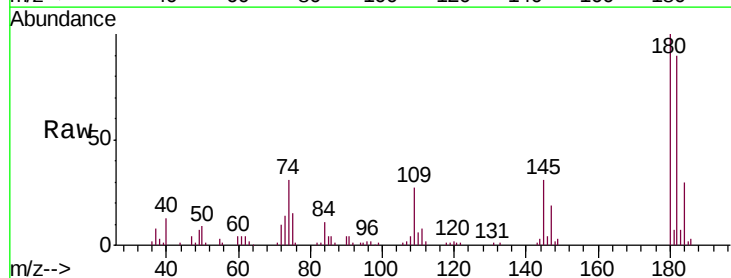


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

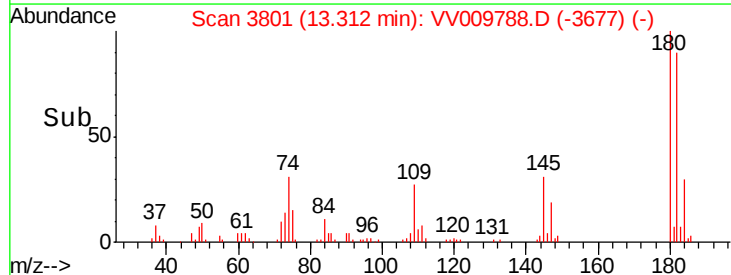
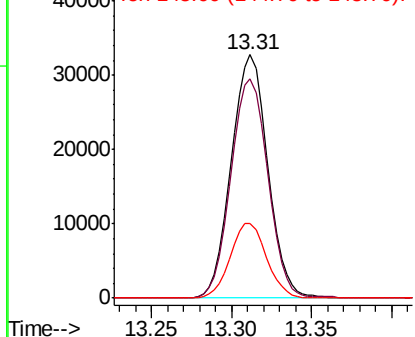


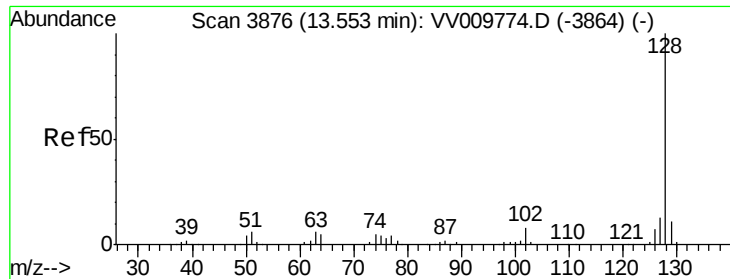
#68
 1,2,4-trichlorobenzene
 Concen: 52.169 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009788.D
 Acq: 19 Mar 2019 19:44

Tgt Ion:180 Resp: 50794
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.7 113.5
 145 30.5 25.3 37.9



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: 45.177 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

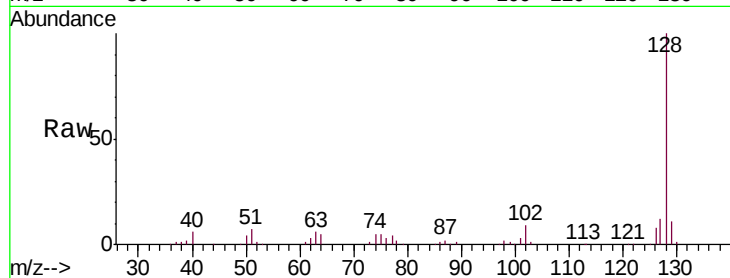
Tgt Ion:128 Resp: 125868

Ion Ratio Lower Upper

128 100

127 12.5 10.8 16.2

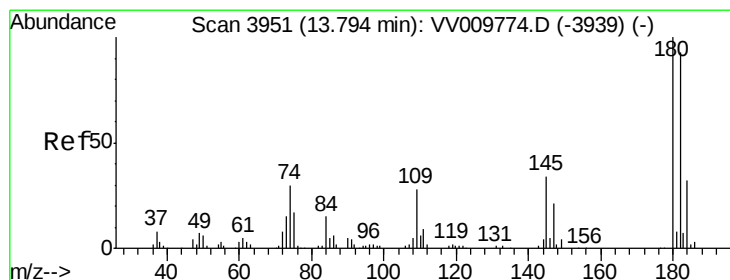
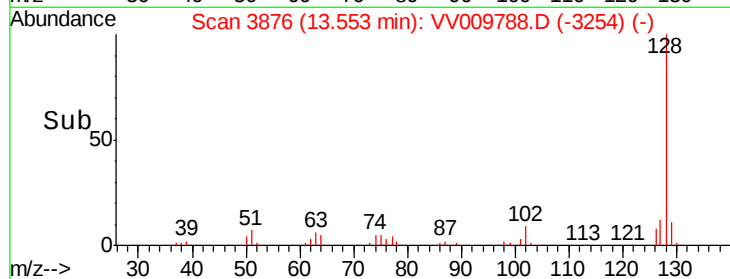
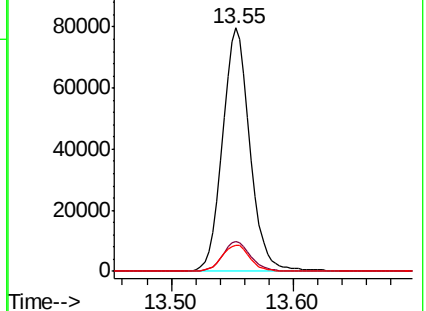
129 11.1 8.6 12.8



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: 52.595 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009788.D

Acq: 19 Mar 2019 19:44

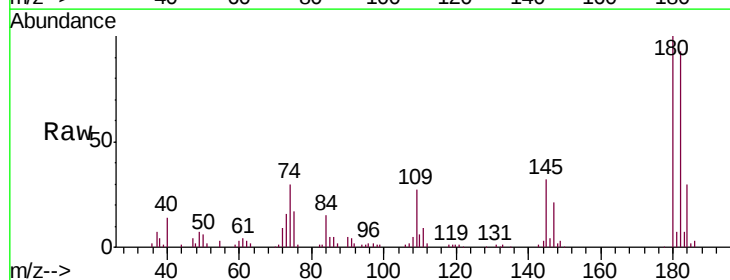
Tgt Ion:180 Resp: 51337

Ion Ratio Lower Upper

180 100

182 93.3 73.3 109.9

145 31.9 26.4 39.6



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

