

Data File : VV009582.D
Acq On : 10 Mar 2019 21:58
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

Quant Time: Mar 11 04:54:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 04:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	136053	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	136880	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68104	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32717	19.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.92%
7) Chloroethane-d5	1.56	69	38032	16.06	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.24%
10) 1,1-Dichloroethene-d2	2.12	63	96507	22.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.56%
20) 2-Butanone-d5	3.93	46	33455	59.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.90%
24) Chloroform-d	4.40	84	87807	27.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.36%
26) 1,2-Dichloroethane-d4	5.08	65	53550	29.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.16%
29) Benzene-d6	5.10	84	165588	24.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.72%
33) 1,2-Dichloropropane-d6	6.12	67	51806	25.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.60%
37) Toluene-d8	7.36	98	161760	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.88%
38) trans-1,3-Dichloropropene-	7.66	79	23484	24.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.88%
39) 2-Hexanone-d5	8.13	63	26158	56.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.04%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59861	28.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	64987	26.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	37839	24.155	ug/L	96
3) Chloromethane	1.25	50	41763	25.014	ug/L	99
5) Vinyl chloride	1.32	62	43735	23.761	ug/L	97
6) Bromomethane	1.51	94	41719	18.207	ug/L	98
8) Chloroethane	1.58	64	34291	16.765	ug/L	99
9) Trichlorofluoromethane	1.76	101	92469	24.490	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	53413	25.264	ug/L	95
12) 1,1-Dichloroethene	2.13	96	45599	25.209	ug/L	87
13) Acetone	2.19	43	27742	48.891	ug/L	94
14) Carbon disulfide	2.31	76	113127	24.674	ug/L	100
15) Methyl Acetate	2.46	43	26000	28.295	ug/L	100
16) Methylene chloride	2.53	84	50786	28.443	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	126246	31.167	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	43946	27.047	ug/L	100
19) 1,1-Dichloroethane	3.23	63	83761	29.258	ug/L	99
21) 2-Butanone	4.02	43	36595	51.101	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	53891	29.380	ug/L	98

Data File : VV009582.D
Acq On : 10 Mar 2019 21:58
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

Quant Time: Mar 11 04:54:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 04:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24800	29.322	ug/L	97
25) Chloroform	4.42	83	94285	29.511	ug/L	100
27) 1,2-Dichloroethane	5.18	62	65880	29.690	ug/L	99
30) Cyclohexane	4.72	56	62983	21.681	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	77655	25.378	ug/L	98
32) Carbon tetrachloride	4.87	117	61479	23.765	ug/L	98
34) Benzene	5.14	78	191761	27.113	ug/L	100
35) Trichloroethene	5.96	95	52328	25.744	ug/L	98
36) Methylcyclohexane	6.18	83	71405	21.565	ug/L	99
40) 1,2-Dichloropropane	6.22	63	51044	27.990	ug/L	100
41) Bromodichloromethane	6.56	83	70819	28.770	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	78779	27.825	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	76972	53.543	ug/L	100
44) Toluene	7.43	91	216279	27.052	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	68269	27.610	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	44073	29.089	ug/L	96
47) Tetrachloroethene	8.02	164	44230	28.689	ug/L	96
49) 2-Hexanone	8.18	43	57249	52.664	ug/L	95
50) Dibromochloromethane	8.29	129	51794	28.237	ug/L	99
51) 1,2-Dibromoethane	8.40	107	45108	28.816	ug/L	99
52) Chlorobenzene	8.93	112	147541	27.842	ug/L	98
53) Ethylbenzene	9.06	91	245336	26.817	ug/L	97
54) m,p-Xylene	9.18	106	92373	26.678	ug/L	93
55) o-xylene	9.59	106	95021	28.459	ug/L	96
56) Styrene	9.60	104	159053	28.955	ug/L	99
57) Isopropylbenzene	9.98	105	238720	25.921	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	63263	29.571	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	45522	29.518	ug/L	99
62) Bromoform	9.78	173	29796	26.961	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	114103	26.822	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	115792	26.637	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	114024	28.742	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10355	26.060	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	78634	25.770	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	61416	25.139	ug/L	99
69) Naphthalene	13.55	128	124685	24.230	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	59821	26.616	ug/L	98

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

Data File : VV009582.D

Acq On : 10 Mar 2019 21:58

Operator : SY/MD

Sample : VSTDCCC025EC

Misc : 5.00G/10ML/MSVOA V/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

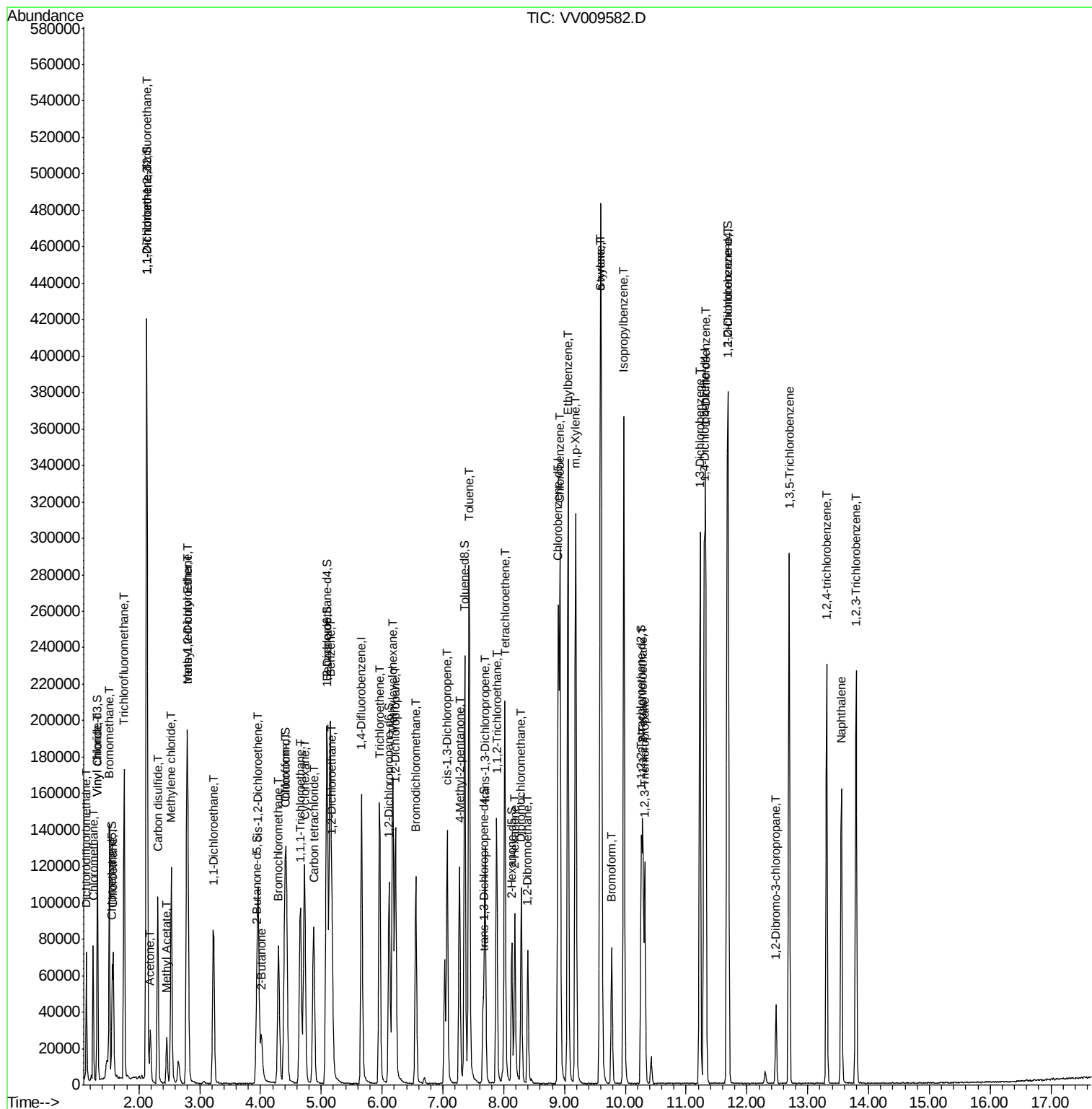
Quant Time: Mar 11 04:54:22 2019

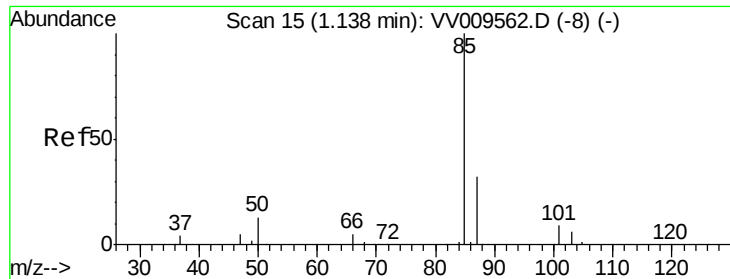
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM030519S.M

Quant Title : VOC Analysis

QLast Update : Mon Mar 11 04:48:46 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.155 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

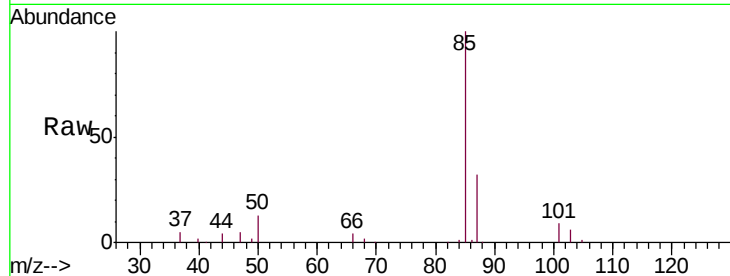
VSTD02575

Tgt Ion: 85 Resp: 37839

Ion Ratio Lower Upper

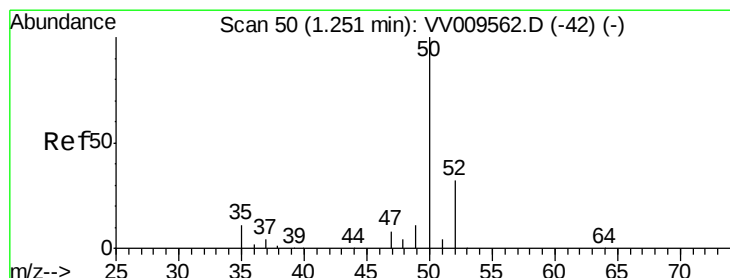
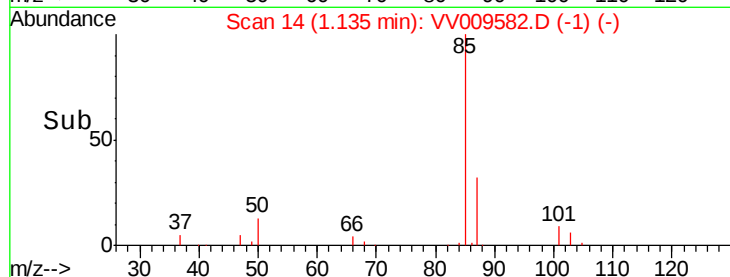
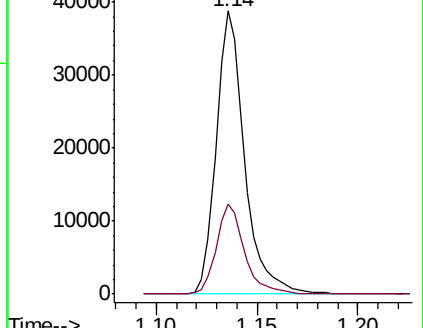
85 100

87 31.3 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009582.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV009582.D (-1) (-)



#3

Chloromethane

Concen: 25.014 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009582.D

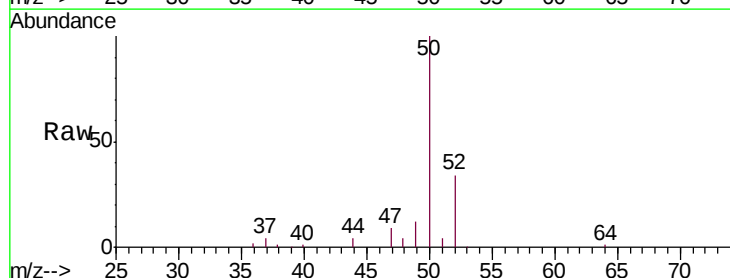
Acq: 10 Mar 2019 21:58

Tgt Ion: 50 Resp: 41763

Ion Ratio Lower Upper

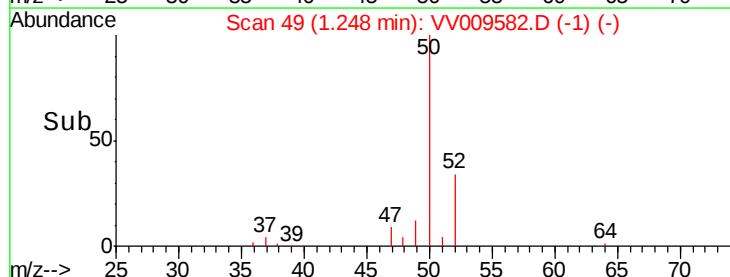
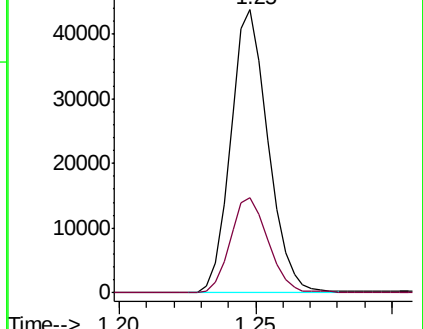
50 100

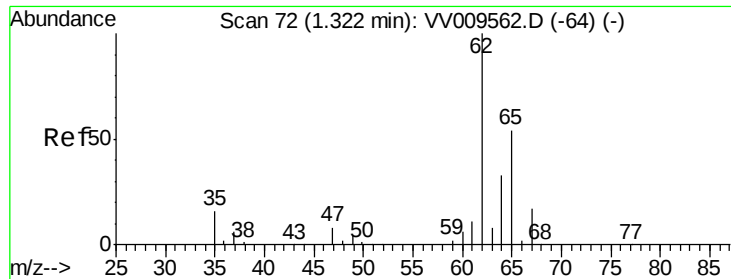
52 33.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009582.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV009582.D (-1) (-)





#5

Vinyl chloride

Concen: 23.761 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

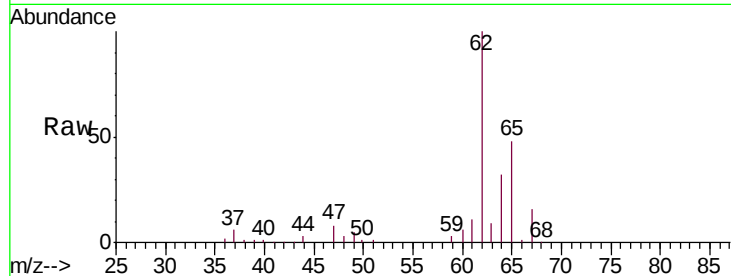
VSTD02575

Tgt Ion: 62 Resp: 43735

Ion Ratio Lower Upper

62 100

64 32.2 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV009562.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV009562.D (-64) (-)

1.32

40000

30000

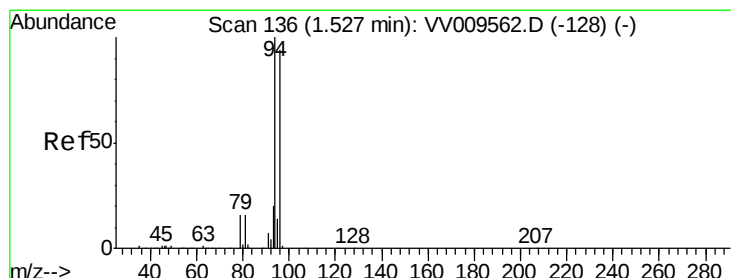
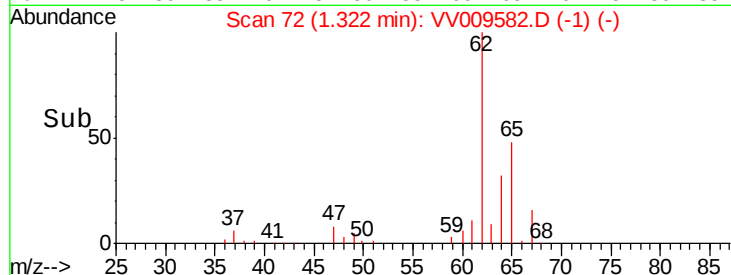
20000

10000

0

Time-->

1.30 1.35



#6

Bromomethane

Concen: 18.207 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.01 min

Lab File: VV009582.D

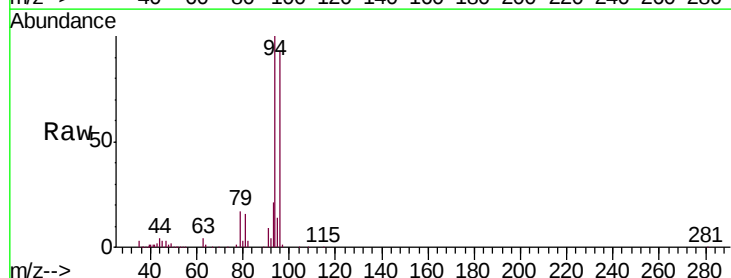
Acq: 10 Mar 2019 21:58

Tgt Ion: 94 Resp: 41719

Ion Ratio Lower Upper

94 100

96 93.6 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV009562.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV009562.D (-128) (-)

1.51

50000

40000

30000

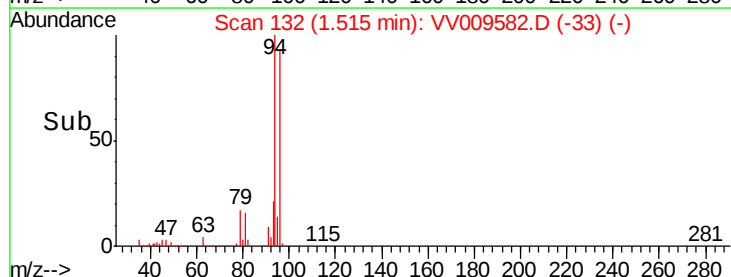
20000

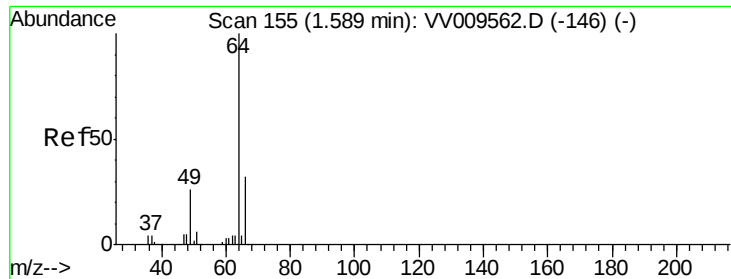
10000

0

Time-->

1.50 1.55





#8

Chloroethane

Concen: 16.765 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.01 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

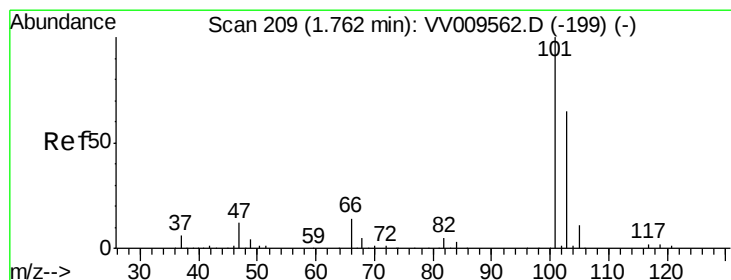
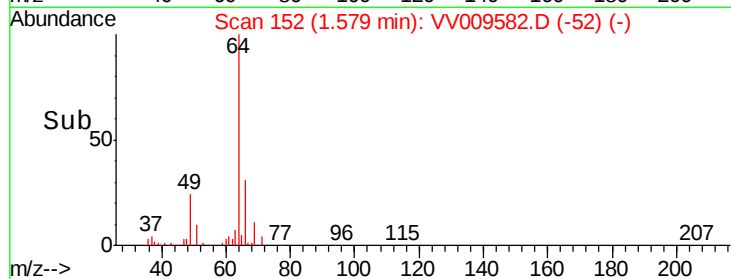
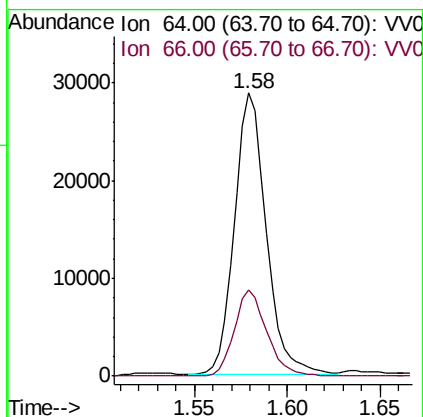
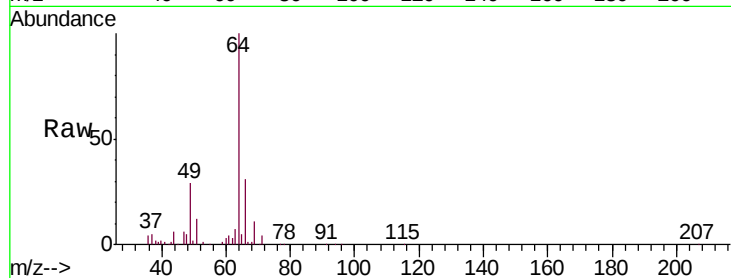
VSTD02575

Tgt Ion: 64 Resp: 34291

Ion Ratio Lower Upper

64 100

66 30.6 21.8 40.6



#9

Trichlorofluoromethane

Concen: 24.490 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.01 min

Lab File: VV009582.D

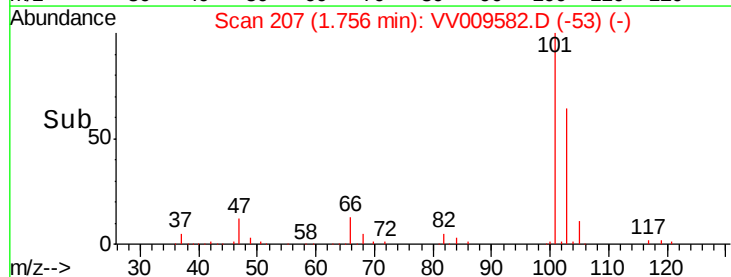
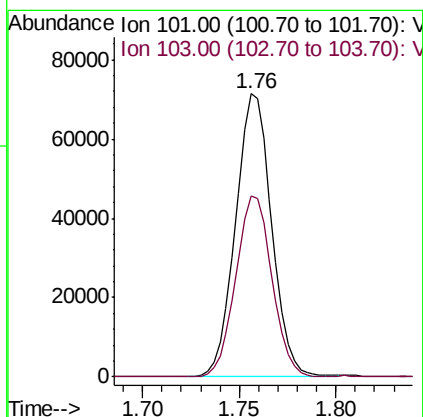
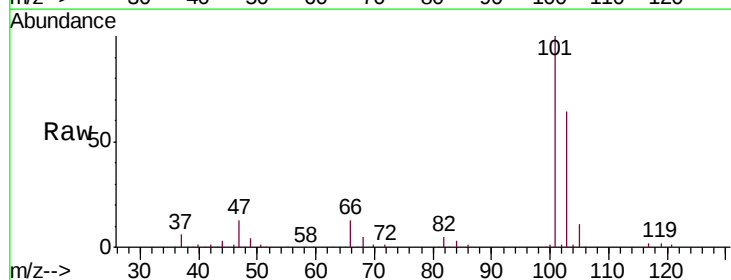
Acq: 10 Mar 2019 21:58

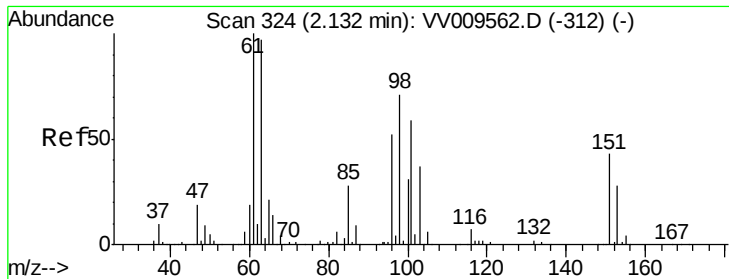
Tgt Ion: 101 Resp: 92469

Ion Ratio Lower Upper

101 100

103 64.2 44.7 83.1





#11

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

Concen: 25.264 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

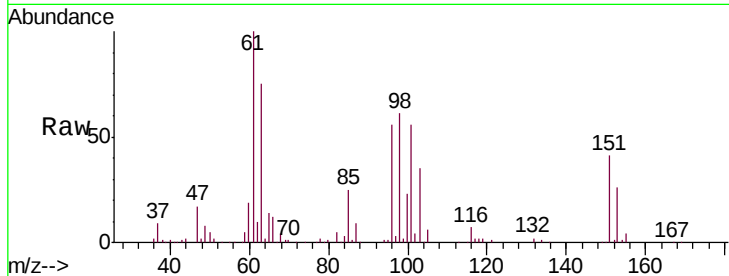
Tgt Ion:101 Resp: 53413

Ion Ratio Lower Upper

101 100

85 47.6 40.1 60.1

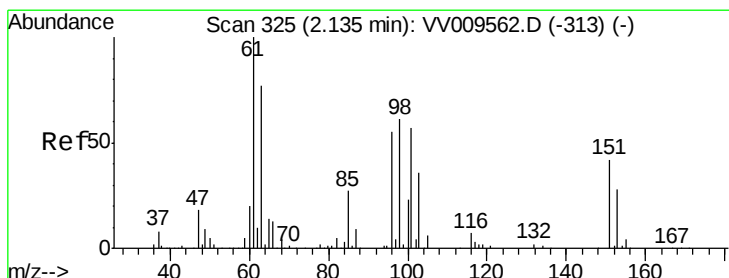
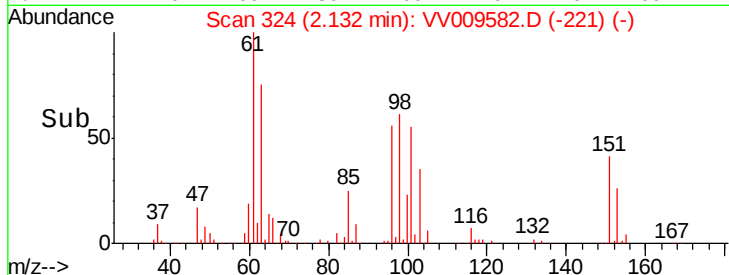
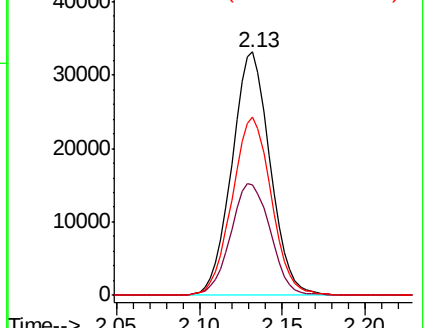
151 74.8 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009582.D (-221) (-)

Ion 85.00 (84.70 to 85.70): VV009582.D (-221) (-)

Ion 151.00 (150.70 to 151.70): VV009582.D (-221) (-)



#12

1,1-Dichloroethene

Concen: 25.209 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

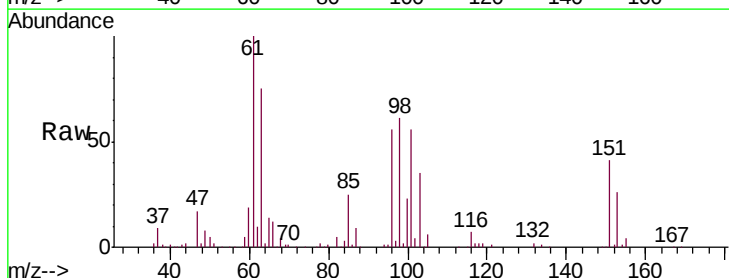
Tgt Ion: 96 Resp: 45599

Ion Ratio Lower Upper

96 100

61 179.4 136.9 254.3

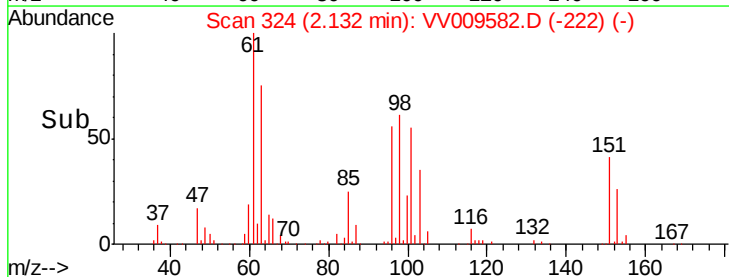
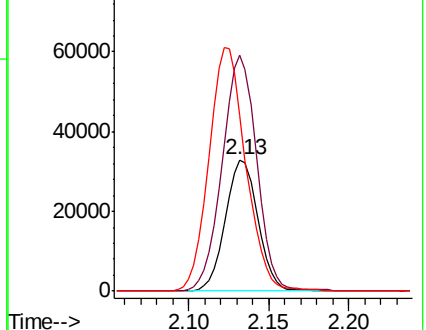
63 134.0 108.7 201.9

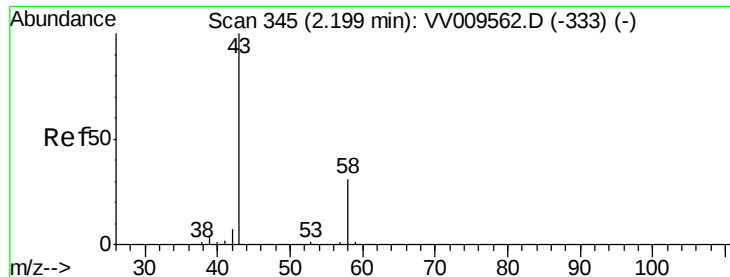


Abundance Ion 96.00 (95.70 to 96.70): VV009582.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009582.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009582.D (-222) (-)





#13

Acetone

Concen: 48.891 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

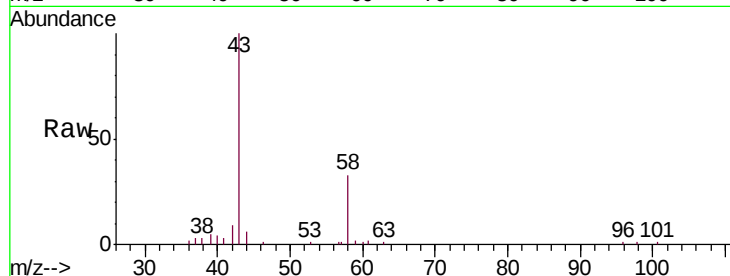
VSTD02575

Tgt Ion: 43 Resp: 27742

Ion Ratio Lower Upper

43 100

58 30.7 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009582.D (-242) (-)

Ion 58.00 (57.70 to 58.70): VV009582.D (-242) (-)

2.19

15000

10000

5000

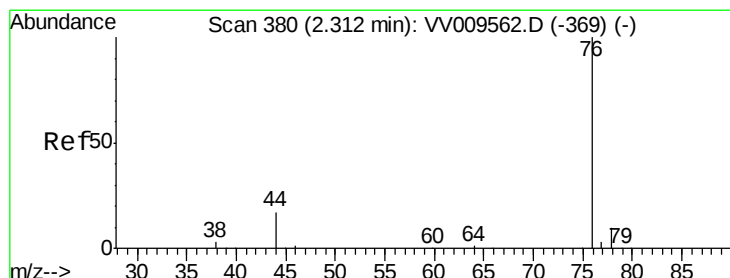
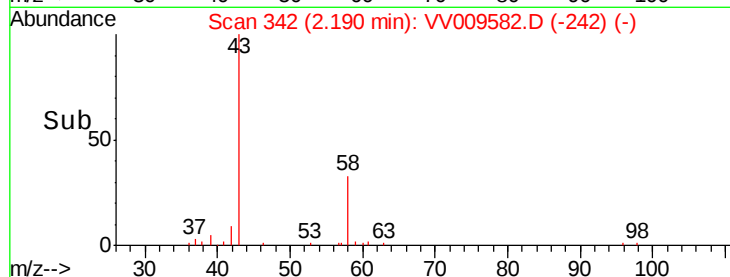
0

Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 24.674 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV009582.D

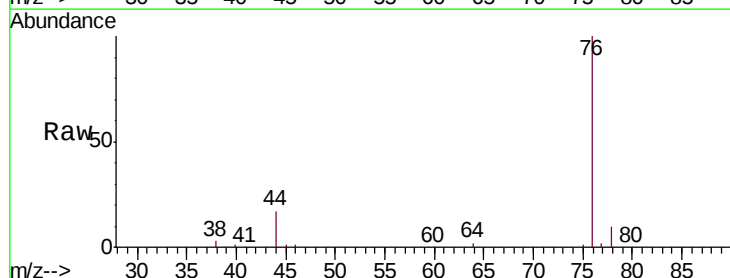
Acq: 10 Mar 2019 21:58

Tgt Ion: 76 Resp: 113127

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009582.D (-224) (-)

Ion 78.00 (77.70 to 78.70): VV009582.D (-224) (-)

2.31

80000

60000

40000

20000

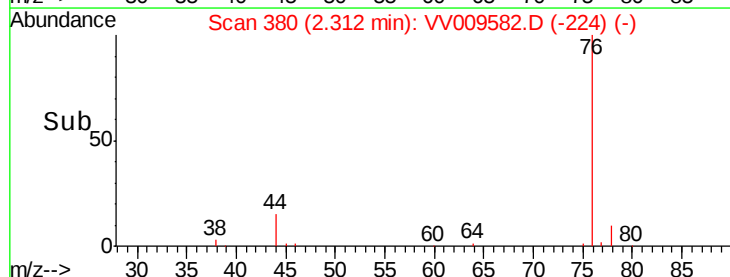
0

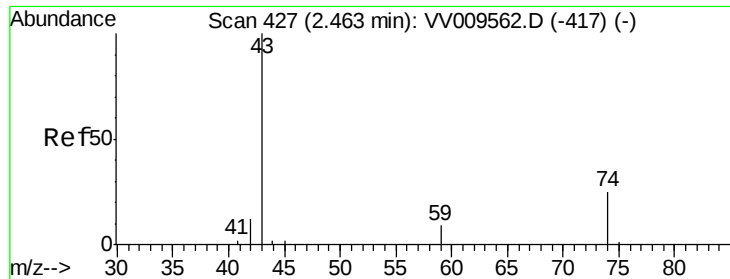
Time-->

2.25

2.30

2.35

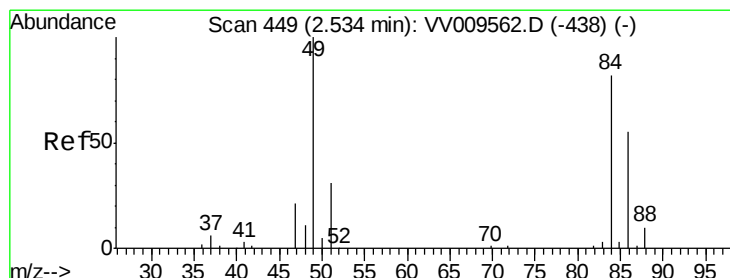
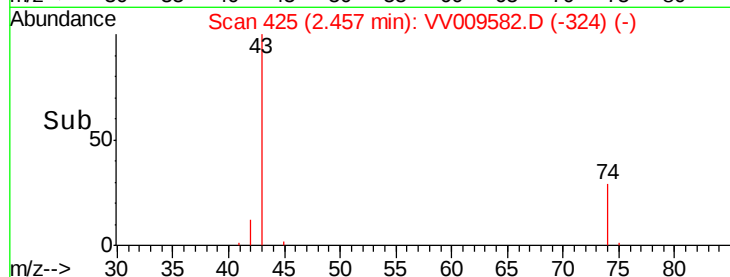
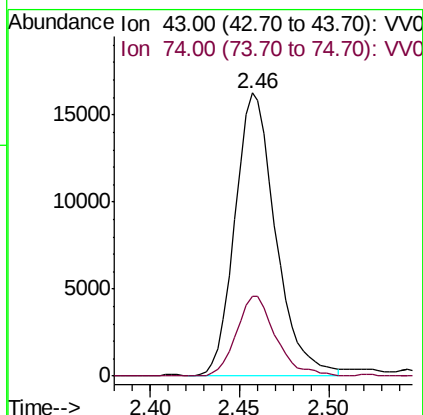
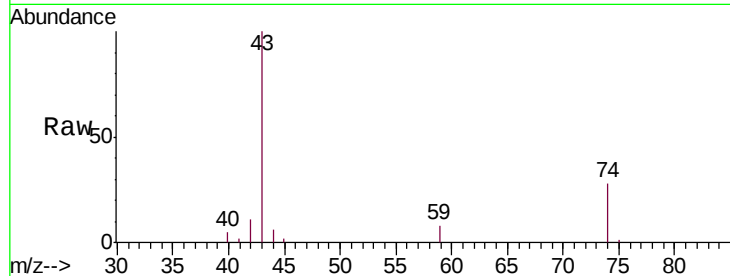




#15
Methyl Acetate
Concen: 28.295 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV009582.D
Acq: 10 Mar 2019 21:58

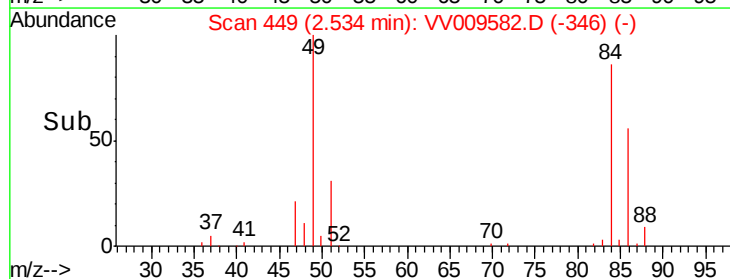
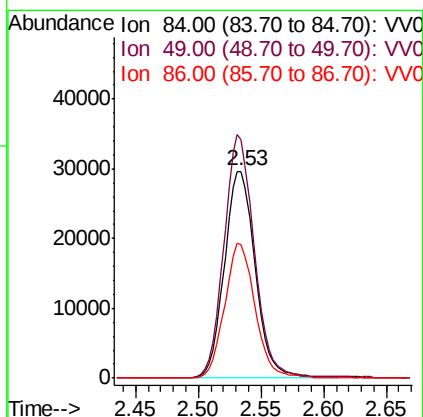
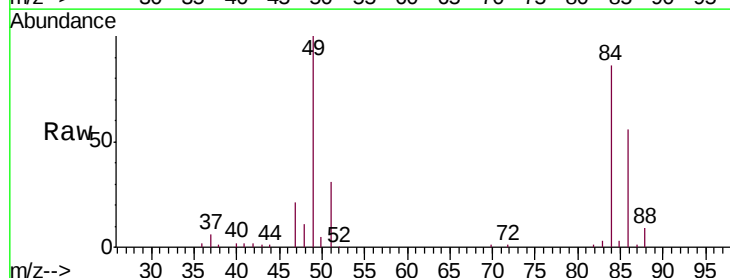
Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

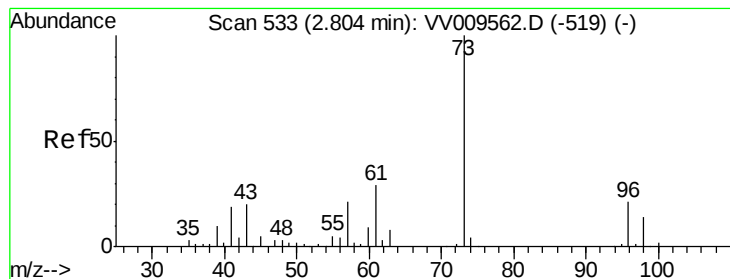
Tgt Ion: 43 Resp: 26000
Ion Ratio Lower Upper
43 100
74 27.3 21.8 32.8



#16
Methylene chloride
Concen: 28.443 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009582.D
Acq: 10 Mar 2019 21:58

Tgt Ion: 84 Resp: 50786
Ion Ratio Lower Upper
84 100
49 115.8 84.6 157.0
86 64.8 46.1 85.7



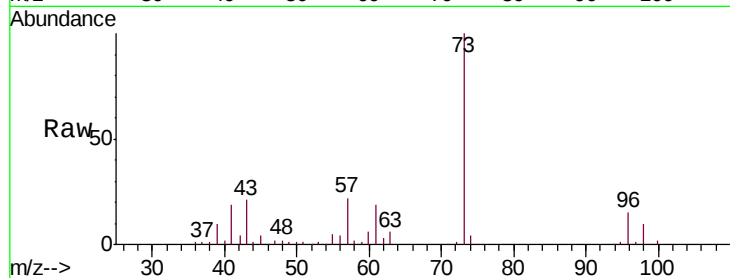


#17

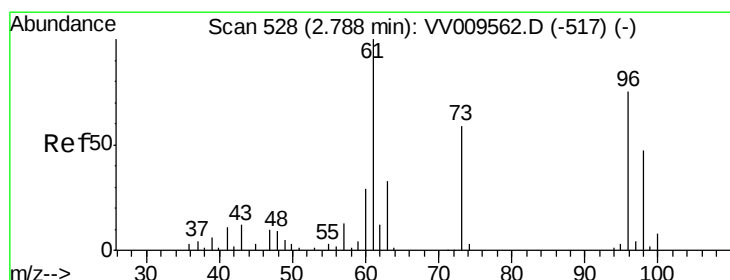
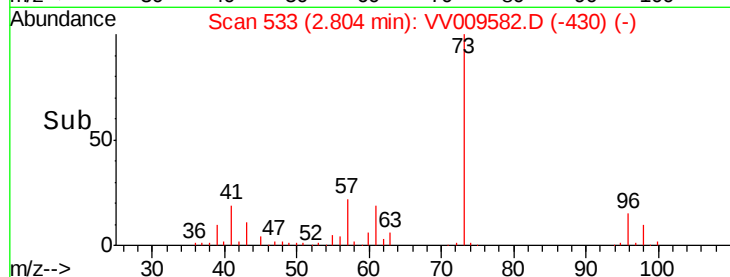
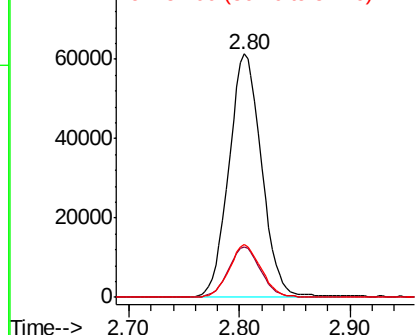
Methyl tert-butyl Ether
 Concen: 31.167 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Tgt Ion: 73 Resp: 126246
 Ion Ratio Lower Upper
 73 100
 43 20.5 15.0 22.4
 57 21.1 17.0 25.4



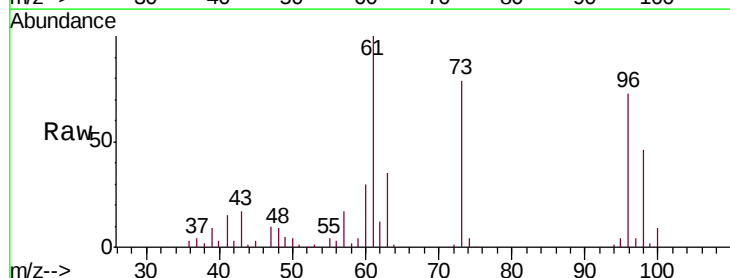
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



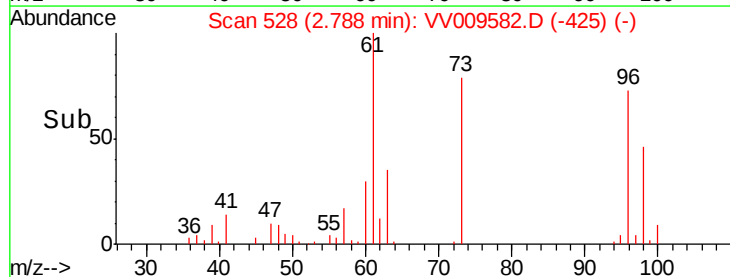
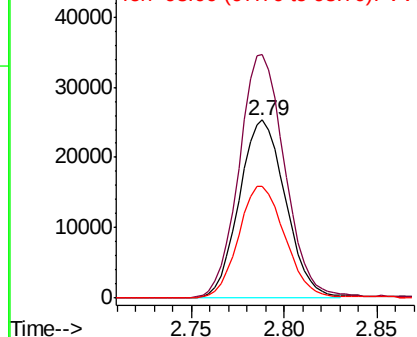
#18

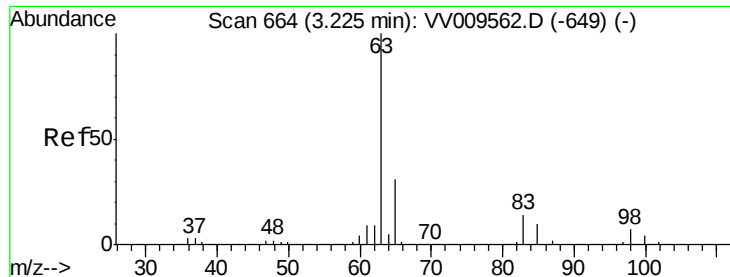
trans-1,2-Dichloroethene
 Concen: 27.047 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Tgt Ion: 96 Resp: 43946
 Ion Ratio Lower Upper
 96 100
 61 136.8 95.6 177.6
 98 62.9 44.0 81.6



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

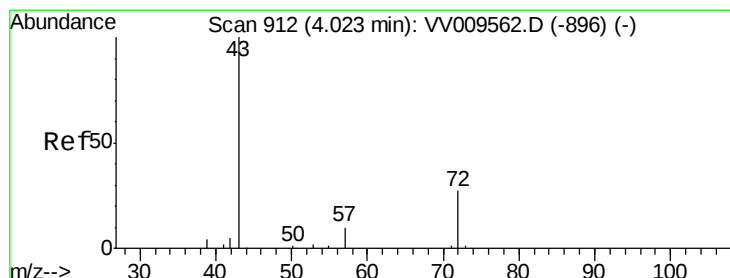
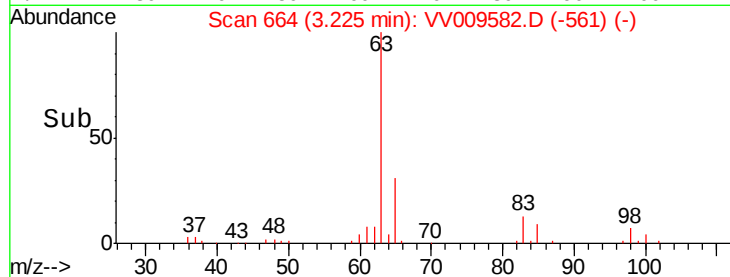
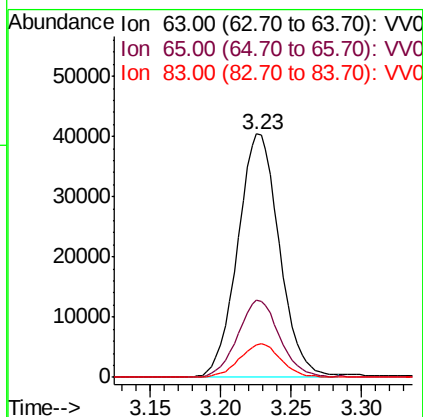
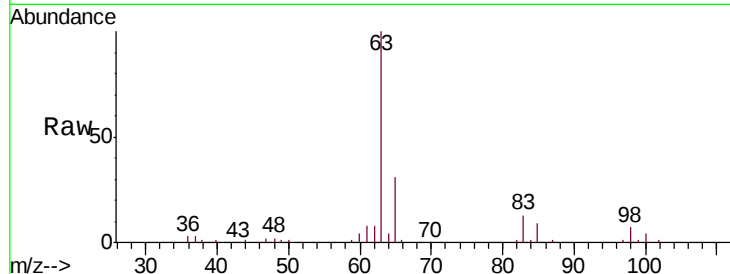




#19
 1,1-Dichloroethane
 Concen: 29.258 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

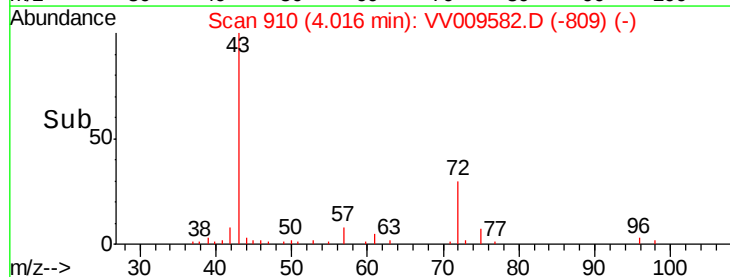
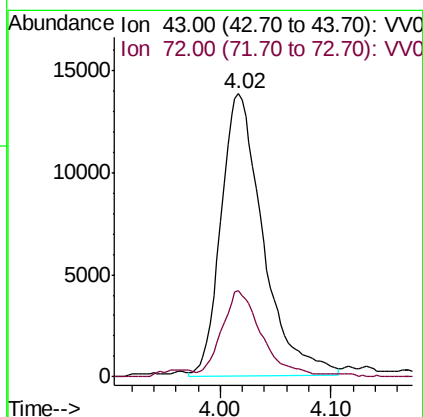
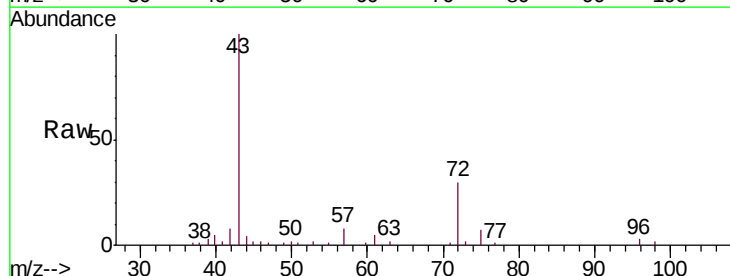
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

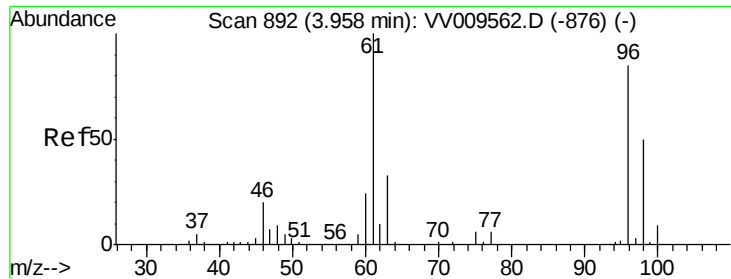
Tgt Ion: 63 Resp: 83761
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.1 41.1
 83 13.2 10.2 19.0



#21
 2-Butanone
 Concen: 51.101 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Tgt Ion: 43 Resp: 36595
 Ion Ratio Lower Upper
 43 100
 72 27.6 13.7 41.0



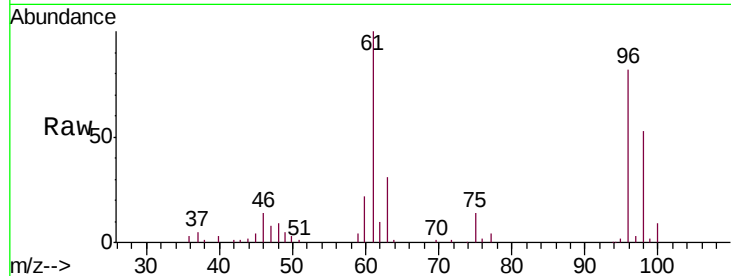


#22

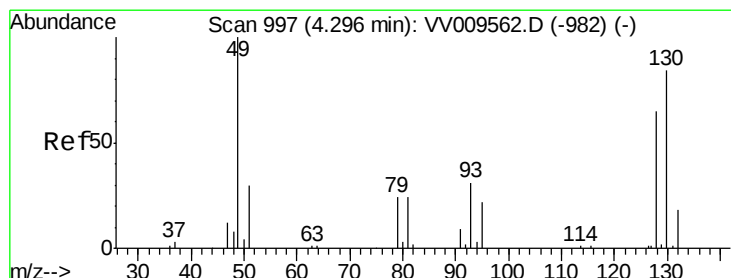
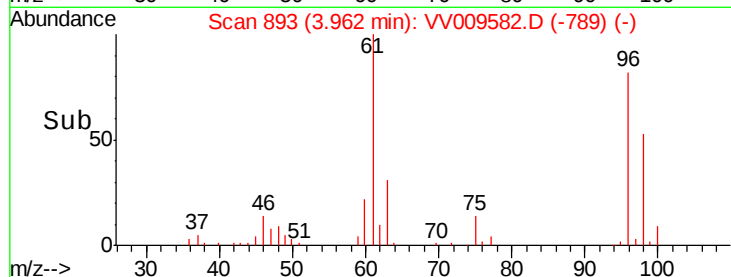
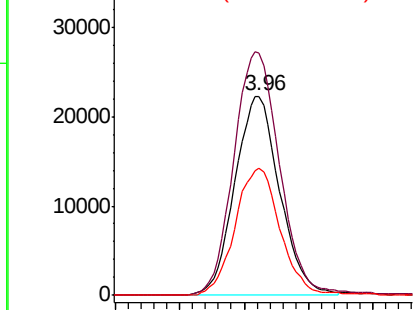
cis-1,2-Dichloroethene
 Concen: 29.380 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Tgt Ion: 96 Resp: 53891
 Ion Ratio Lower Upper
 96 100
 61 121.4 87.2 161.9
 98 64.0 44.6 82.8



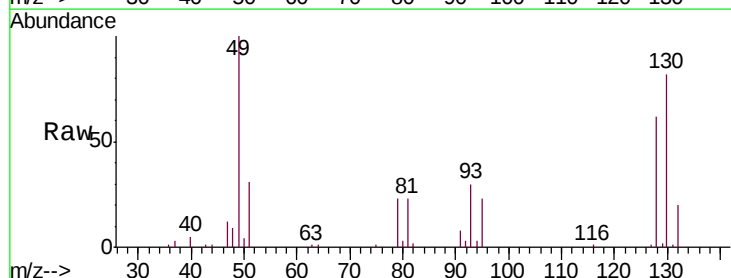
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



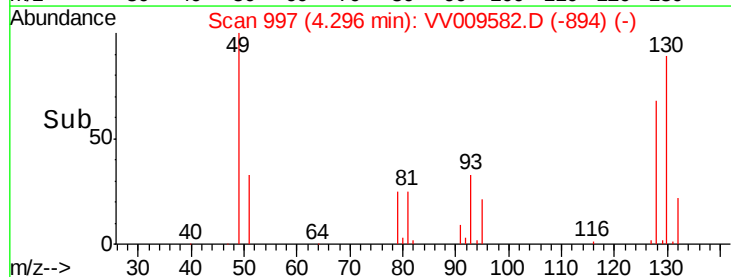
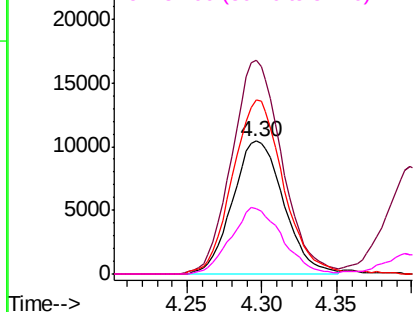
#23

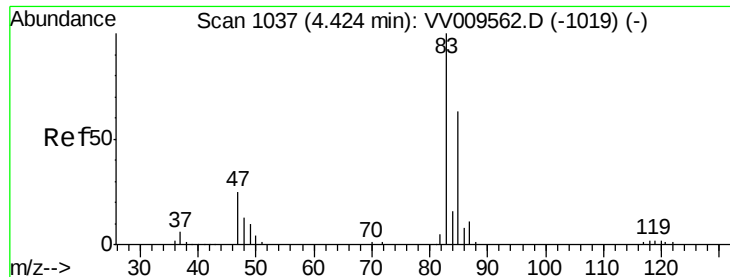
Bromochloromethane
 Concen: 29.322 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Tgt Ion: 128 Resp: 24800
 Ion Ratio Lower Upper
 128 100
 49 161.1 115.5 214.5
 130 131.6 92.6 172.0
 51 49.7 43.4 65.2



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

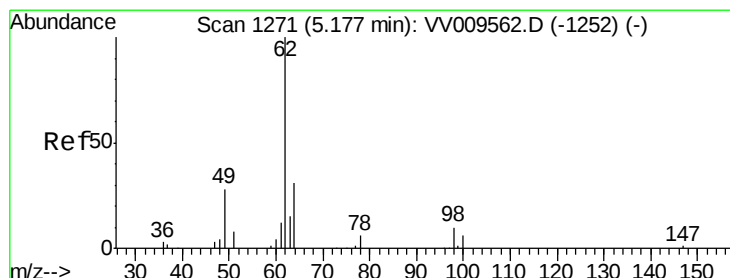
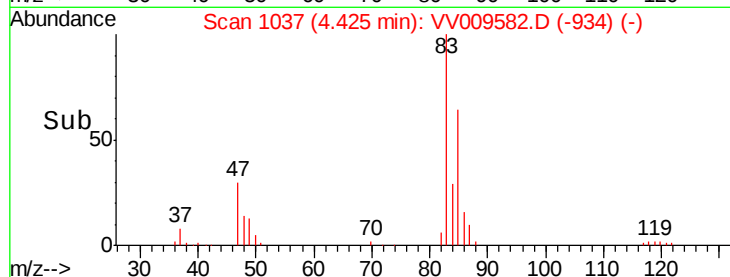
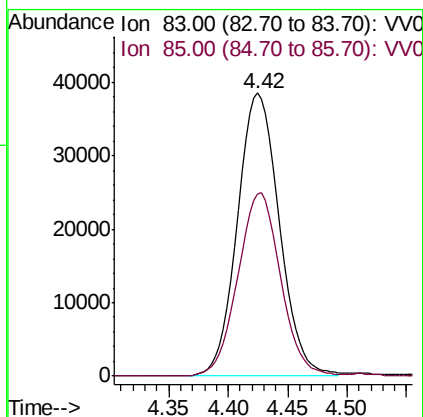
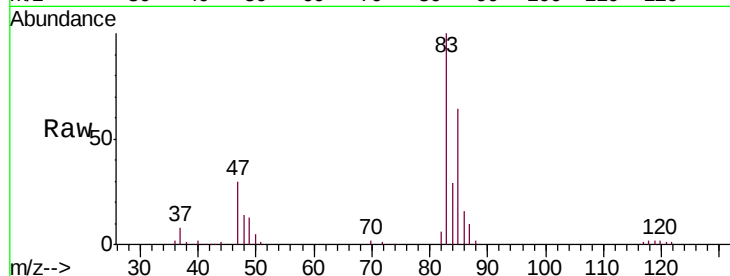




#25
Chloroform
Concen: 29.511 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009582.D
Acq: 10 Mar 2019 21:58

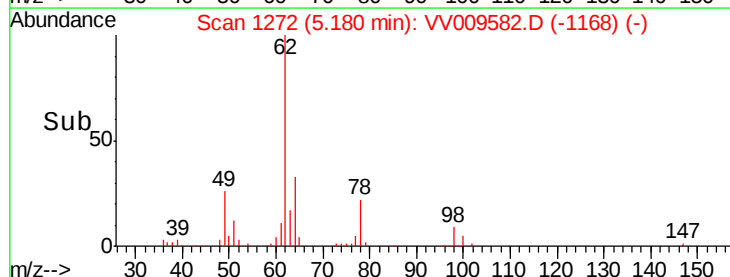
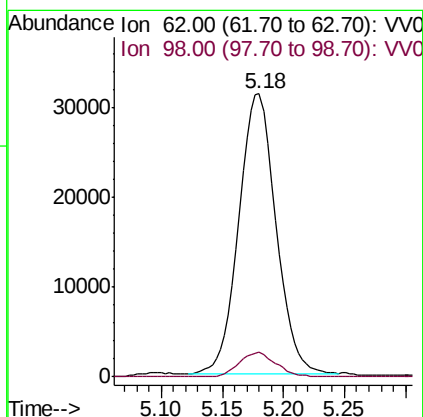
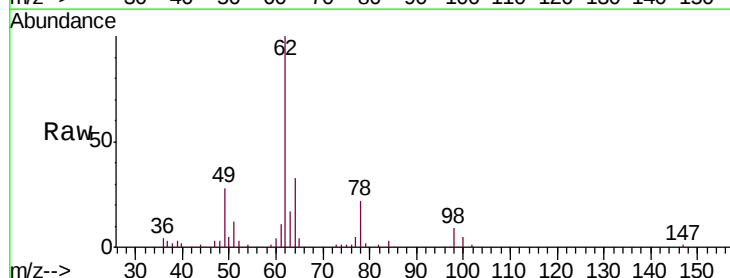
Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

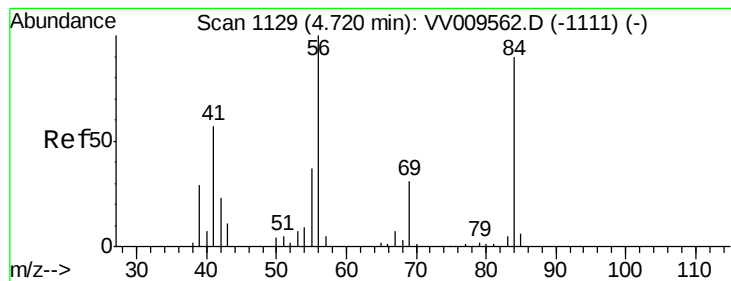
Tgt Ion: 83 Resp: 94285
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 29.690 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009582.D
Acq: 10 Mar 2019 21:58

Tgt Ion: 62 Resp: 65880
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0





#30

Cyclohexane

Concen: 21.681 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

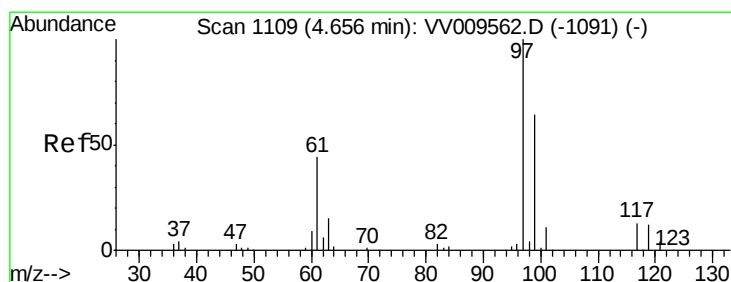
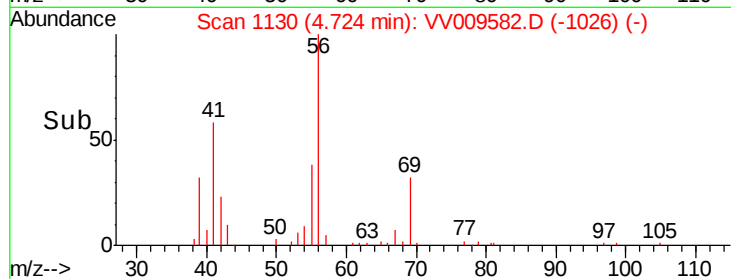
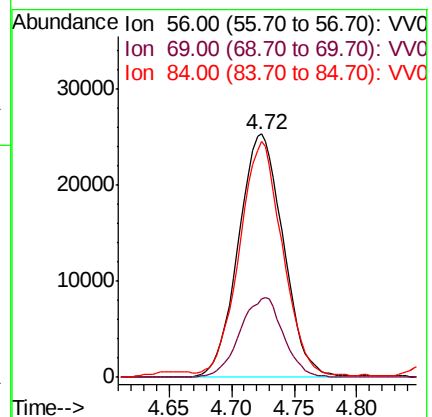
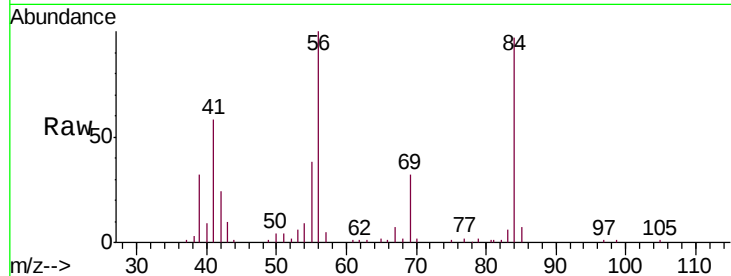
Tgt Ion: 56 Resp: 62983

Ion Ratio Lower Upper

56 100

69 31.8 24.9 37.3

84 93.8 71.9 107.9



#31

1,1,1-Trichloroethane

Concen: 25.378 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

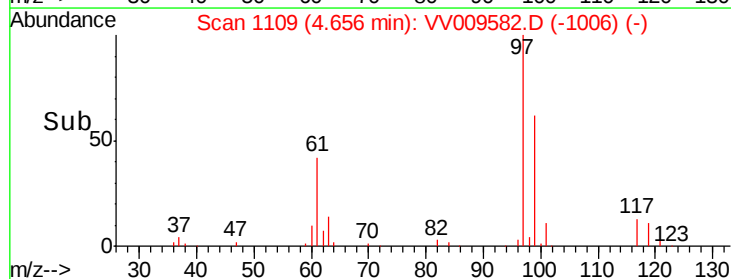
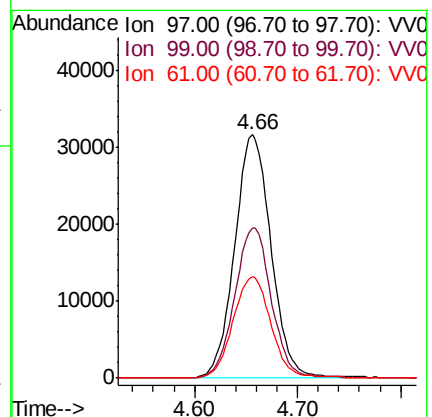
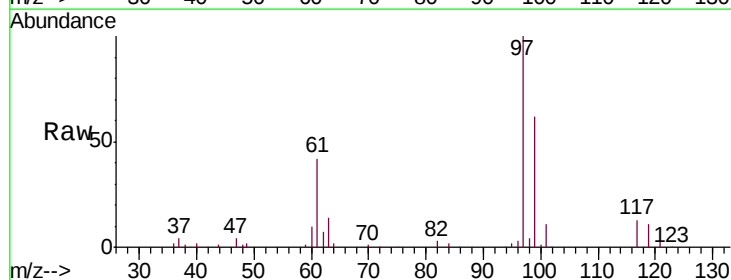
Tgt Ion: 97 Resp: 77655

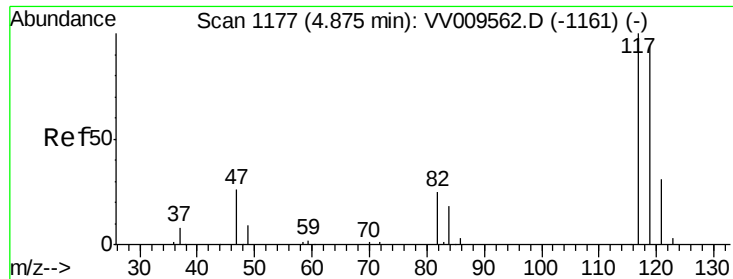
Ion Ratio Lower Upper

97 100

99 62.0 51.0 76.4

61 43.3 36.1 54.1





#32

Carbon tetrachloride

Concen: 23.765 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

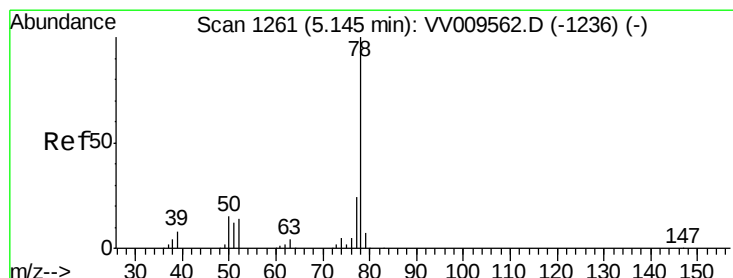
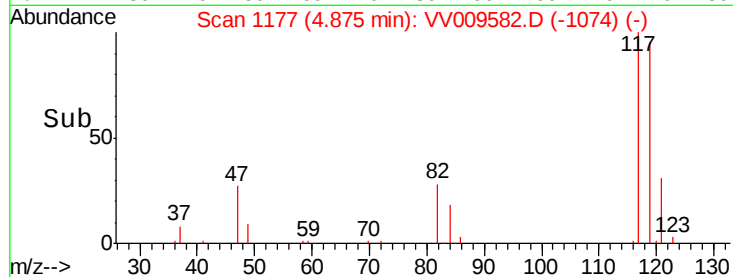
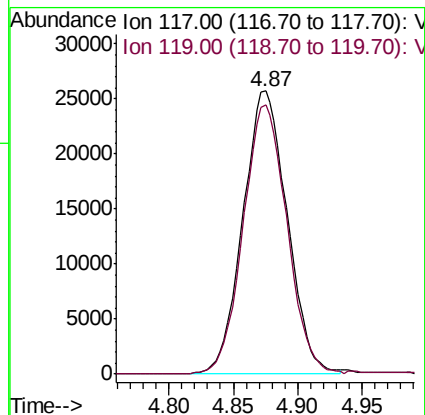
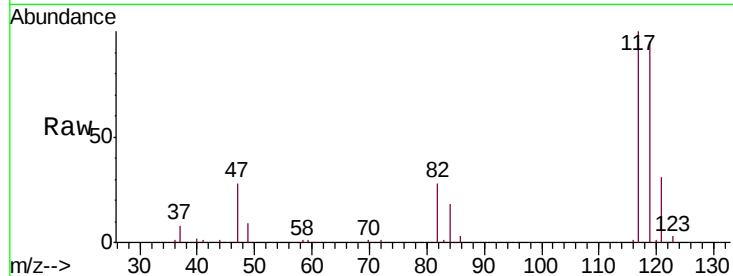
VSTD02575

Tgt Ion:117 Resp: 61479

Ion Ratio Lower Upper

117 100

119 94.0 76.5 114.7



#34

Benzene

Concen: 27.113 ug/L

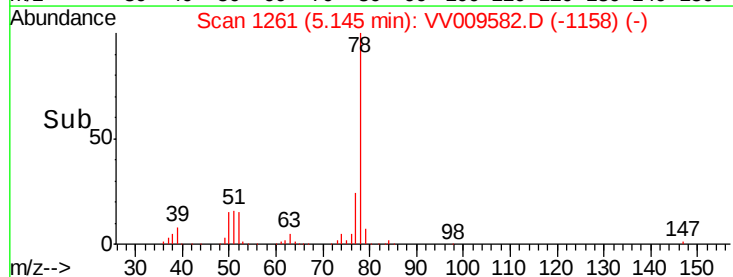
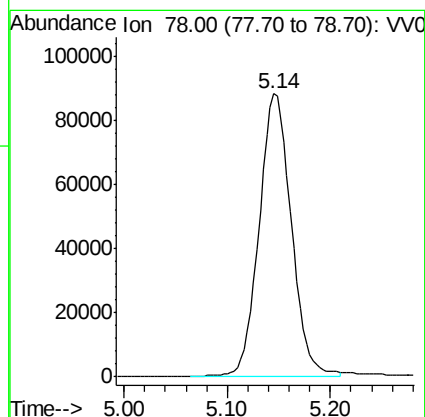
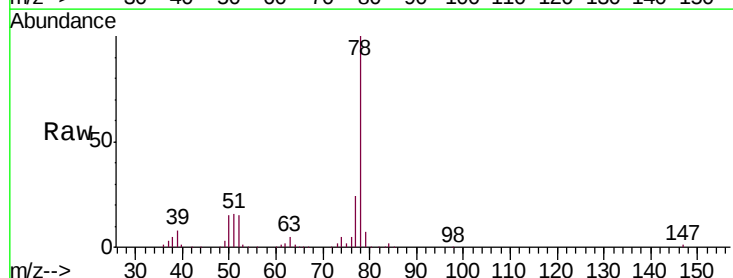
RT: 5.14 min Scan# 1261

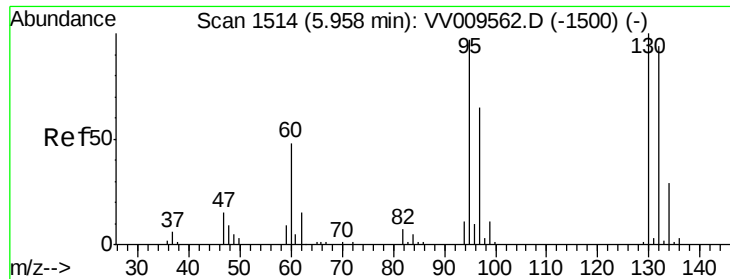
Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Tgt Ion: 78 Resp: 191761

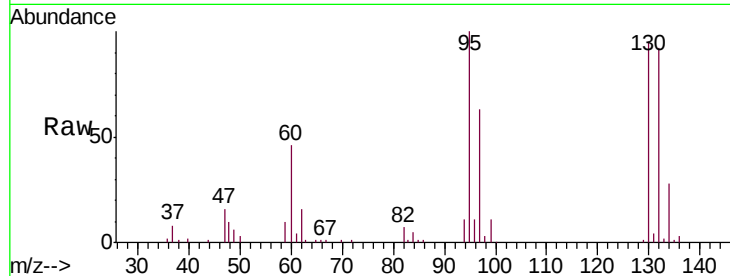




#35
 Trichloroethene
 Concen: 25.744 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

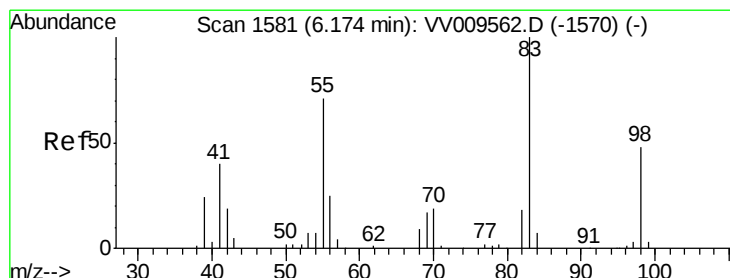
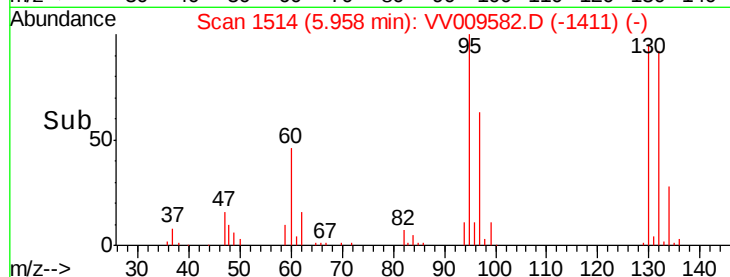
Tgt Ion: 95 Resp: 52328
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.3 82.3
 132 96.4 64.4 119.6
 130 98.1 69.4 128.8



Abundance

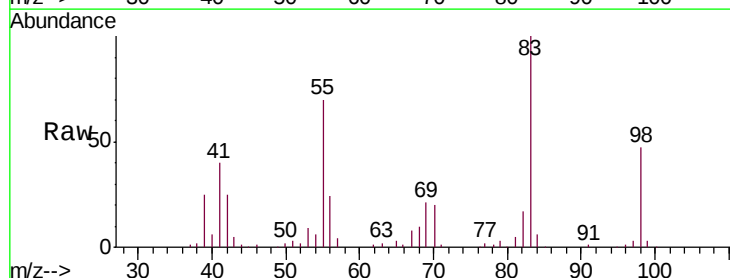
Ion 95.00 (94.70 to 95.70): VV009582.D (-1411) (-)

Time-->



#36
 Methylcyclohexane
 Concen: 21.565 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

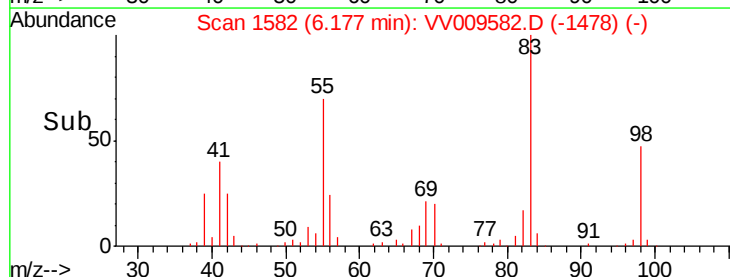
Tgt Ion: 83 Resp: 71405
 Ion Ratio Lower Upper
 83 100
 55 72.8 58.8 88.2
 98 47.0 37.7 56.5

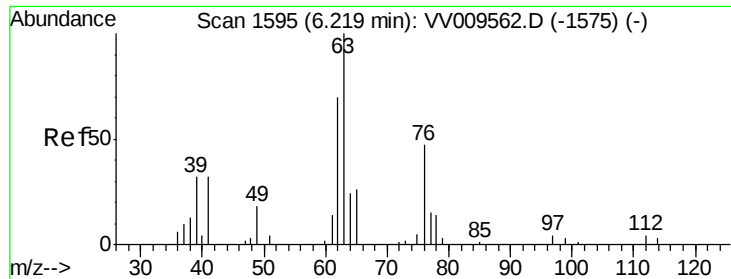


Abundance

Ion 83.00 (82.70 to 83.70): VV009582.D (-1478) (-)

Time-->





#40

1,2-Dichloropropane

Concen: 27.990 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

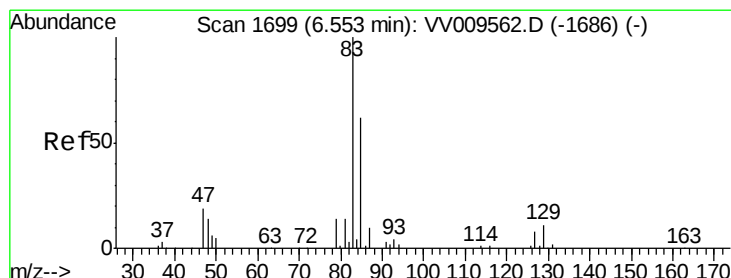
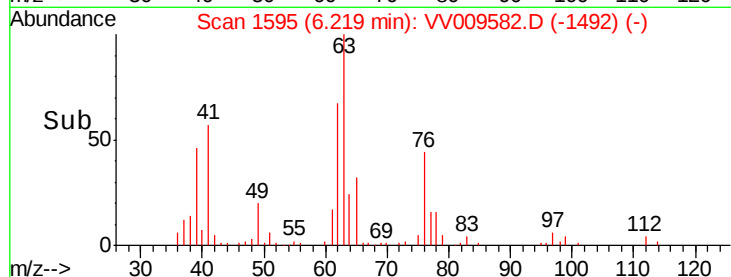
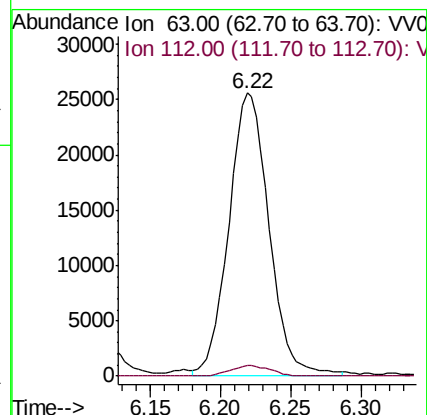
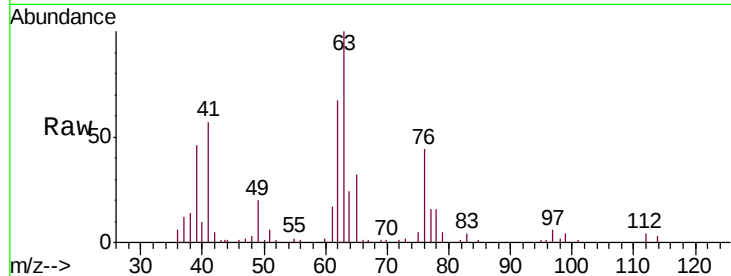
VSTD02575

Tgt Ion: 63 Resp: 51044

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.4



#41

Bromodichloromethane

Concen: 28.770 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

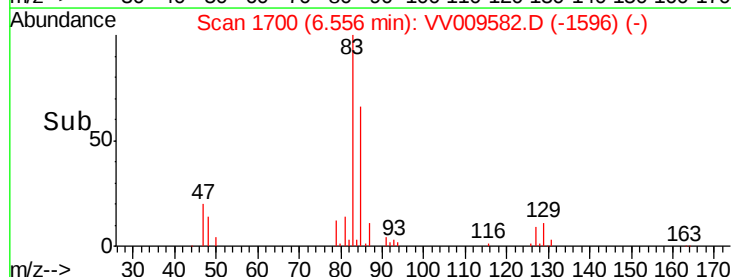
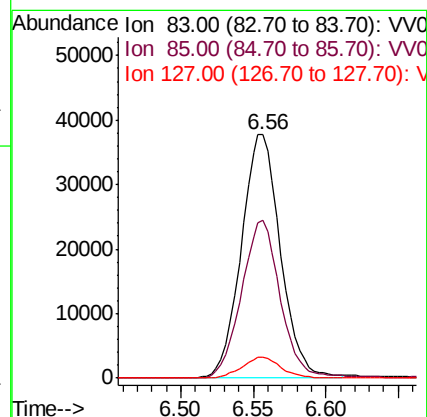
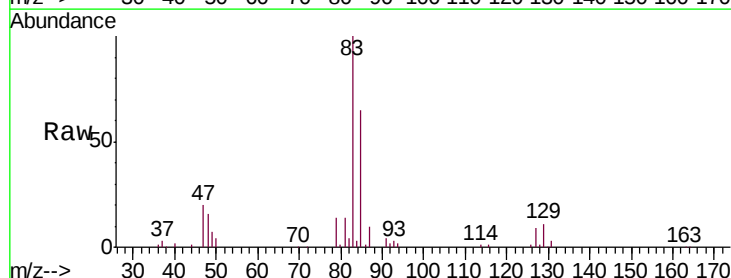
Tgt Ion: 83 Resp: 70819

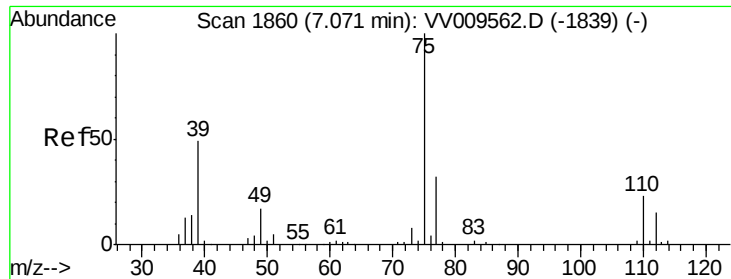
Ion Ratio Lower Upper

83 100

85 64.6 46.5 86.3

127 8.6 7.2 10.8



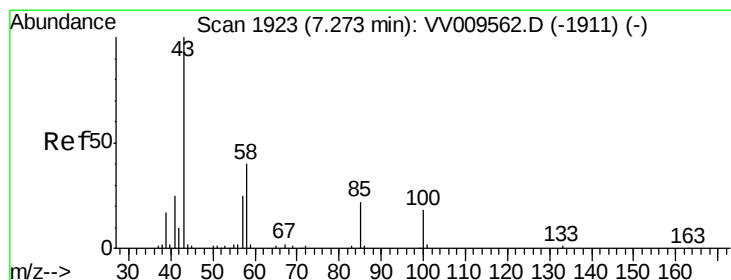
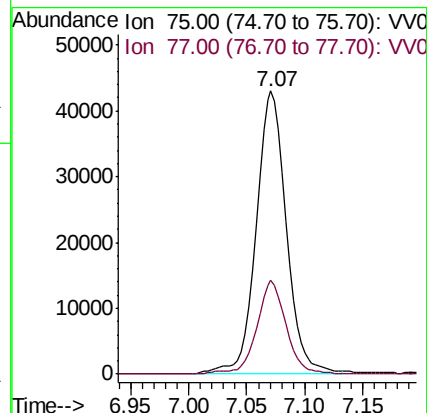
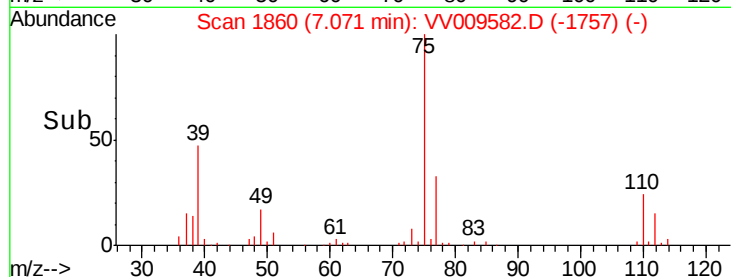
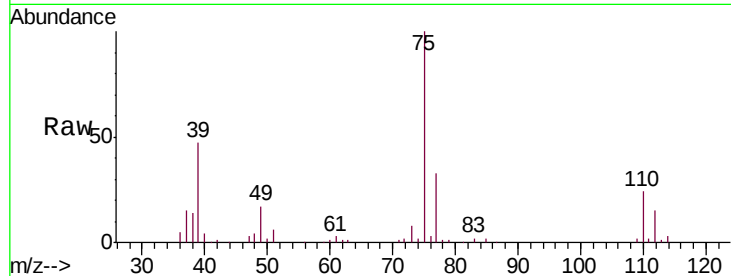


#42

cis-1,3-Dichloropropene
Concen: 27.825 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009582.D
Acq: 10 Mar 2019 21:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

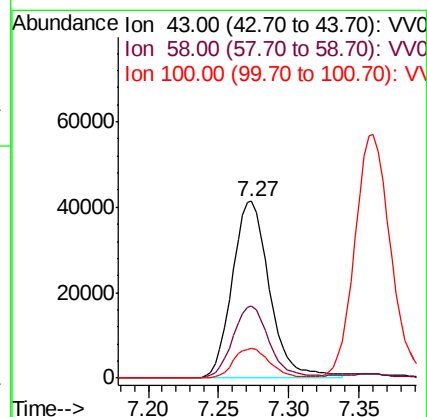
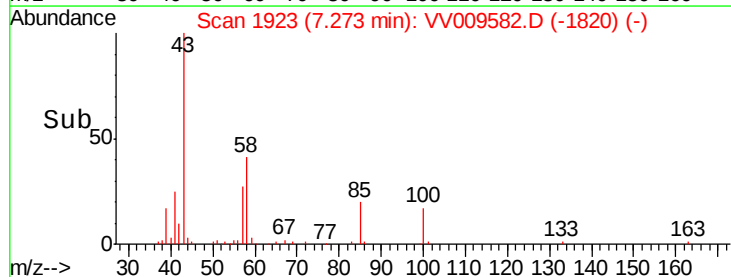
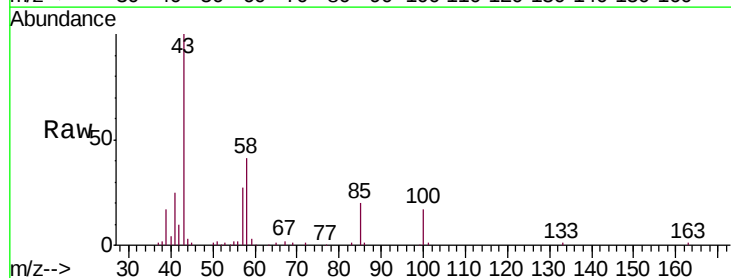
Tgt Ion: 75 Resp: 78779
Ion Ratio Lower Upper
75 100
77 33.0 21.4 39.8

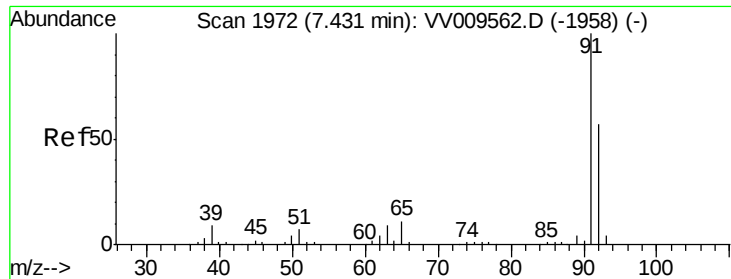


#43

4-Methyl-2-pentanone
Concen: 53.543 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009582.D
Acq: 10 Mar 2019 21:58

Tgt Ion: 43 Resp: 76972
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9
100 16.4 12.8 19.2





#44

Toluene

Concen: 27.052 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

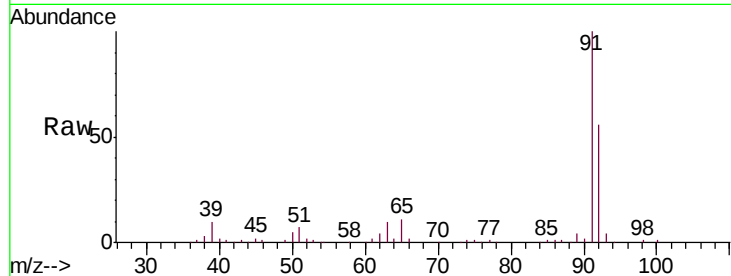
VSTD02575

Tgt Ion: 91 Resp: 216279

Ion Ratio Lower Upper

91 100

92 56.2 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009582.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009582.D (-1958) (-)

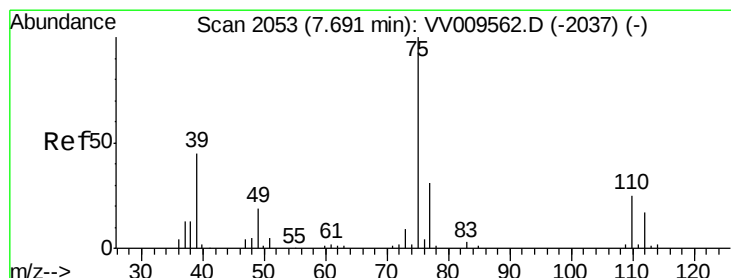
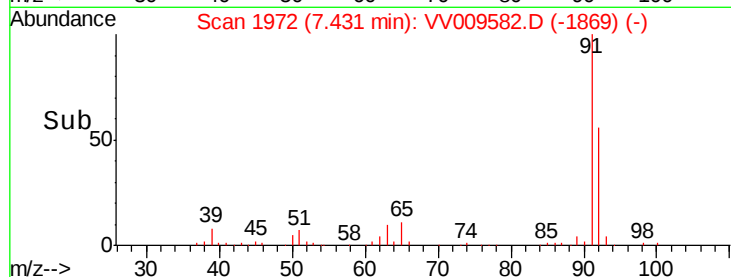
7.43

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.610 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009582.D

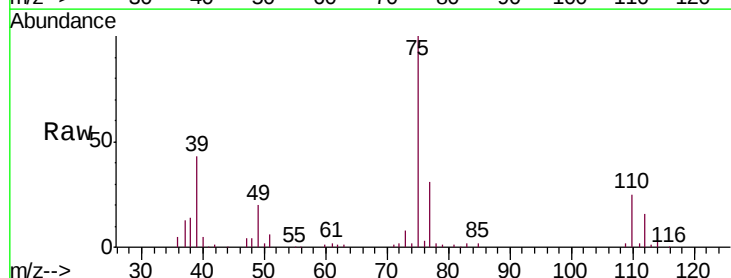
Acq: 10 Mar 2019 21:58

Tgt Ion: 75 Resp: 68269

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009582.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009582.D (-2037) (-)

7.69

40000

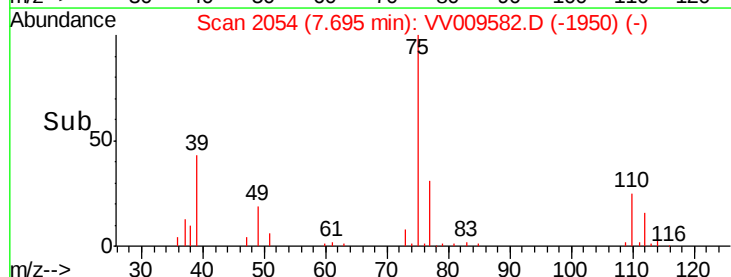
30000

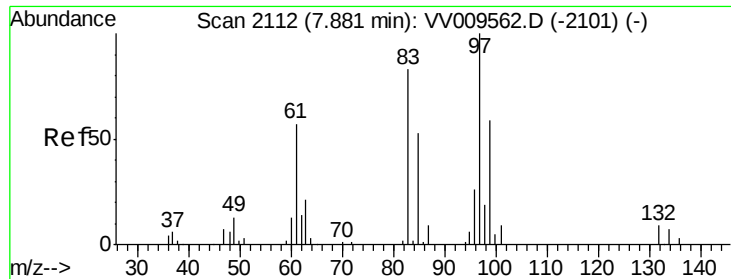
20000

10000

0

Time-->

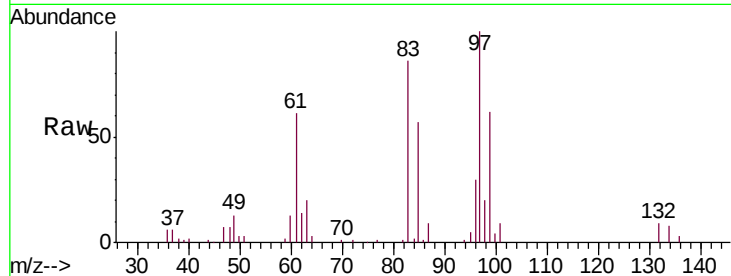




#46
 1,1,2-Trichloroethane
 Concen: 29.089 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Tgt Ion:	97	Resp:	44073
Ion	Ratio	Lower	Upper
97	100		
83	86.3	63.8	118.6
85	57.1	39.5	73.4
99	62.5	45.9	85.3



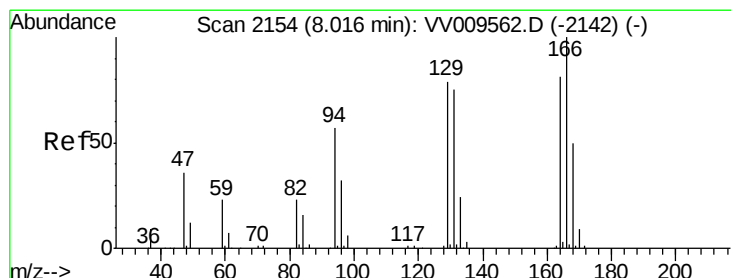
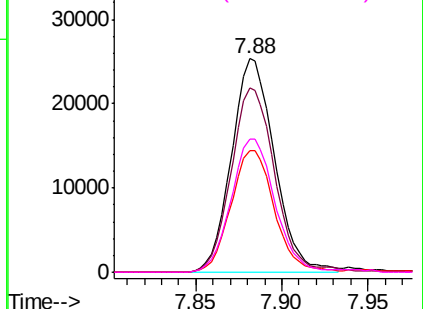
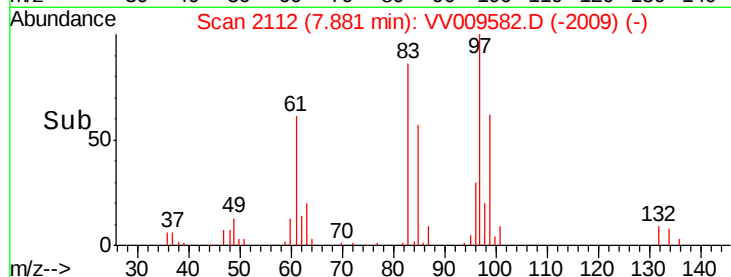
Abundance

Ion 97.00 (96.70 to 97.70): VV009582.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV009582.D (-2099) (-)

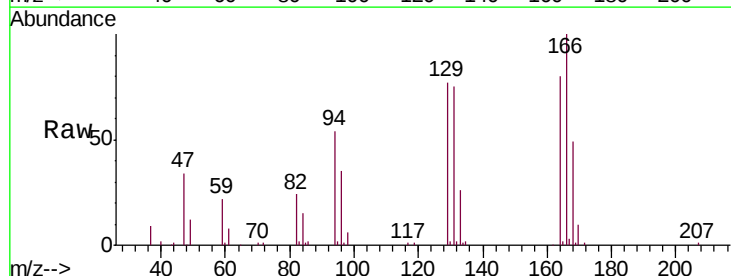
Ion 85.00 (84.70 to 85.70): VV009582.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV009582.D (-2099) (-)



#47
 Tetrachloroethene
 Concen: 28.689 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Tgt Ion:	164	Resp:	44230
Ion	Ratio	Lower	Upper
164	100		
129	96.7	67.7	125.7
131	93.6	67.5	125.3
166	125.6	81.6	151.6



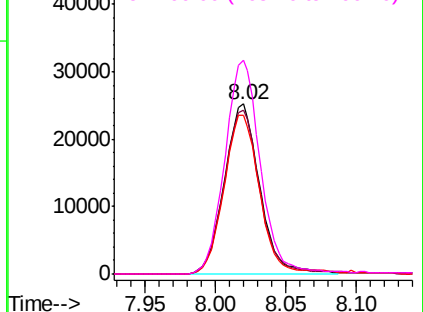
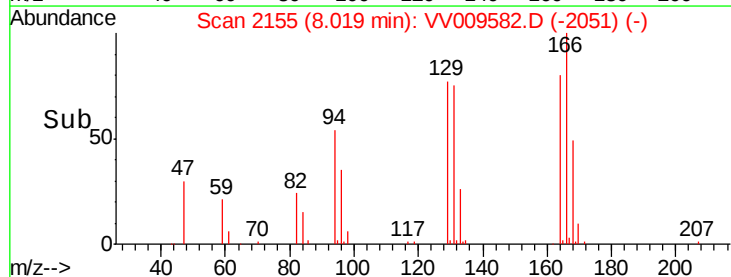
Abundance

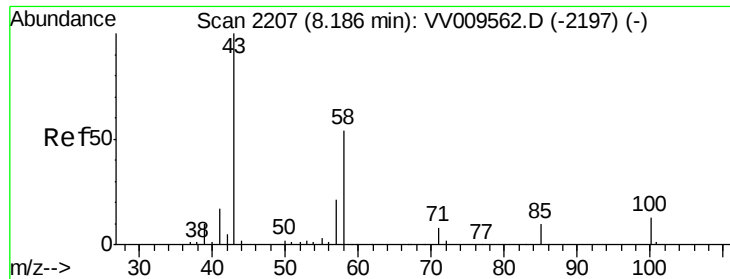
Ion 164.00 (163.70 to 164.70): VV009582.D (-2051) (-)

Ion 129.00 (128.70 to 129.70): VV009582.D (-2051) (-)

Ion 131.00 (130.70 to 131.70): VV009582.D (-2051) (-)

Ion 166.00 (165.70 to 166.70): VV009582.D (-2051) (-)

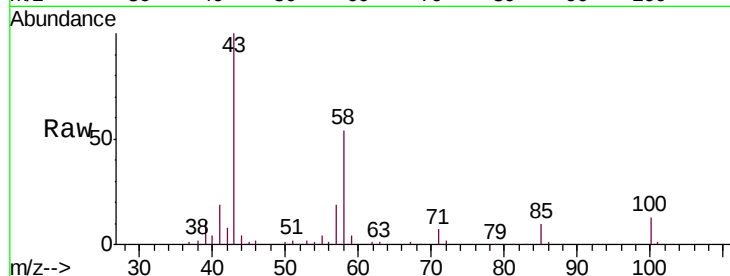




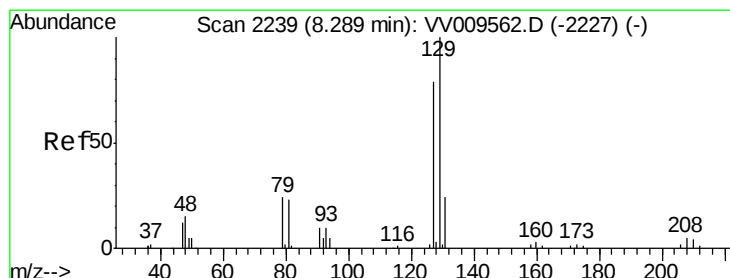
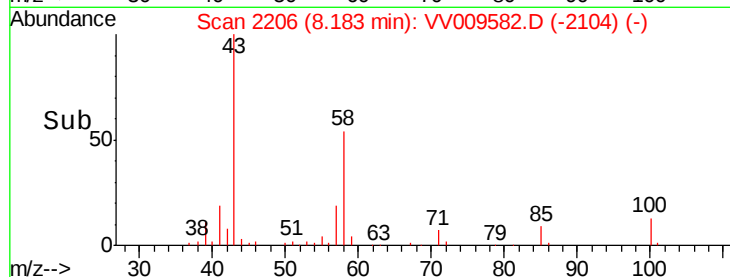
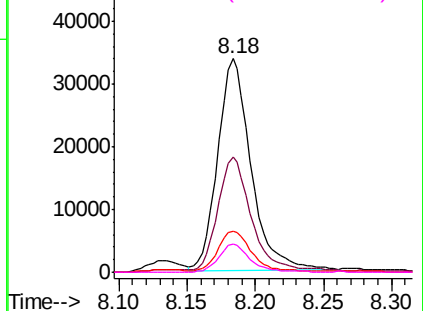
#49
2-Hexanone
Concen: 52.664 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009582.D
Acq: 10 Mar 2019 21:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

Tgt Ion: 43 Resp: 57249
Ion Ratio Lower Upper
43 100
58 52.5 46.3 69.5
57 18.1 15.8 23.6
100 12.2 10.0 15.0

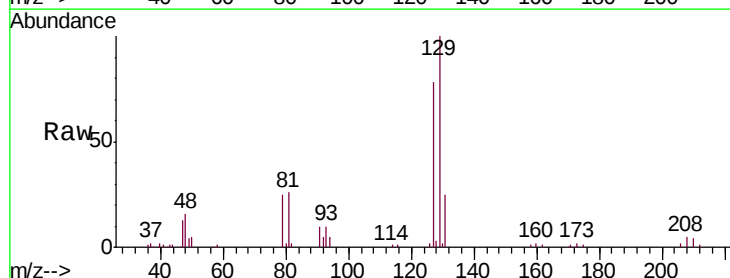


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

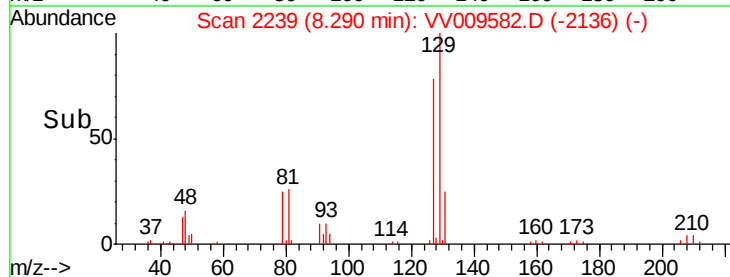
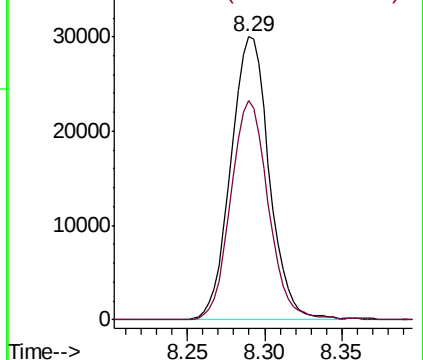


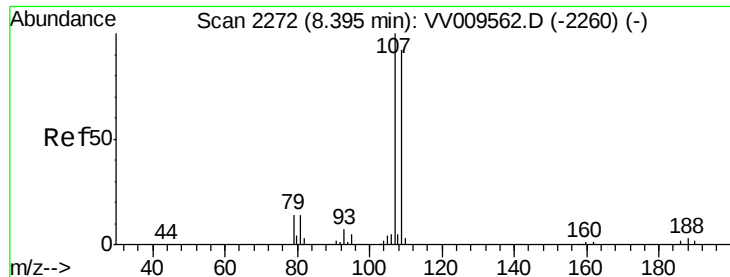
#50
Dibromochloromethane
Concen: 28.237 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009582.D
Acq: 10 Mar 2019 21:58

Tgt Ion: 129 Resp: 51794
Ion Ratio Lower Upper
129 100
127 77.6 53.7 99.7



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





#51

1,2-Dibromoethane

Concen: 28.816 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

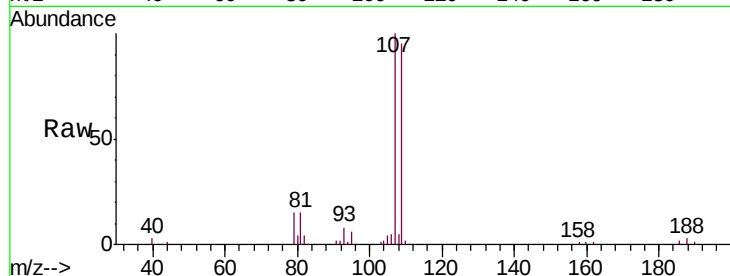
Tgt Ion:107 Resp: 45108

Ion Ratio Lower Upper

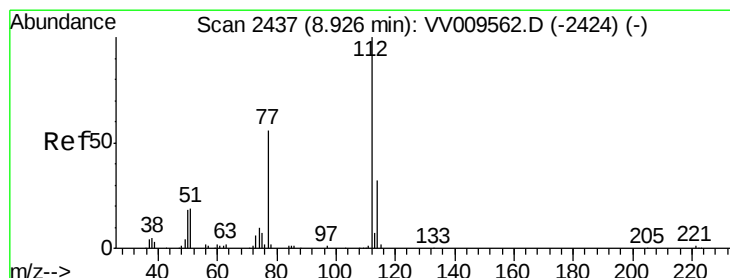
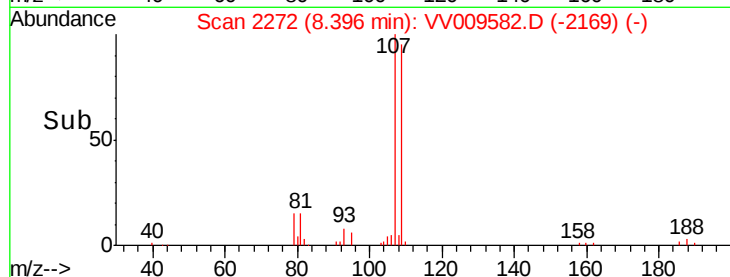
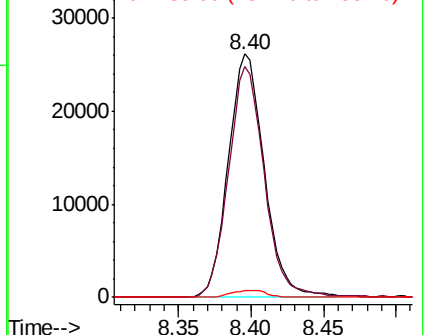
107 100

109 94.8 65.6 121.8

188 2.6 2.3 3.5



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 27.842 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

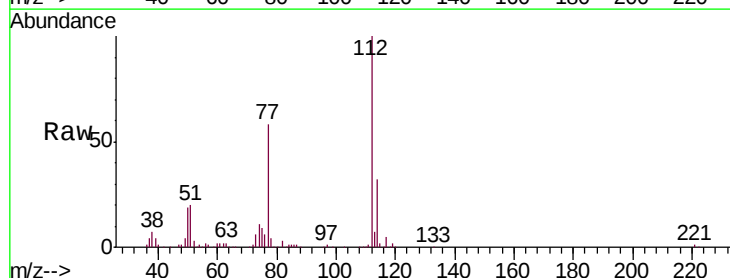
Tgt Ion:112 Resp: 147541

Ion Ratio Lower Upper

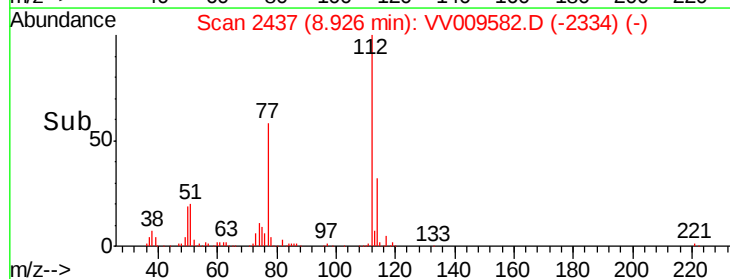
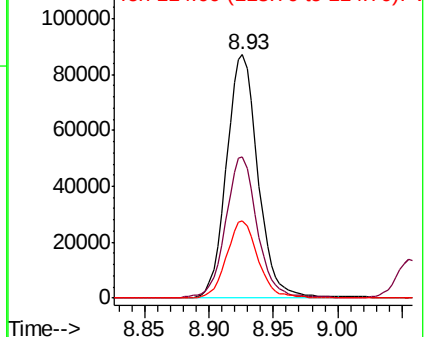
112 100

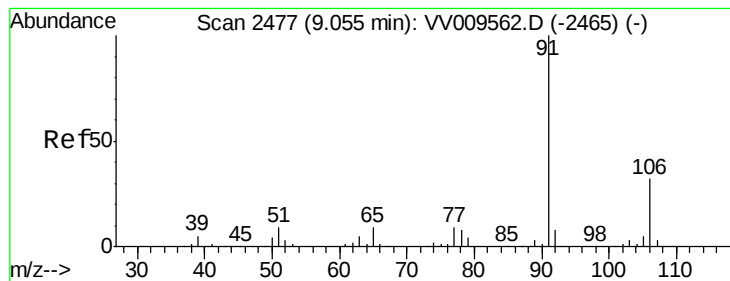
77 57.9 45.0 67.6

114 31.6 22.9 42.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.817 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

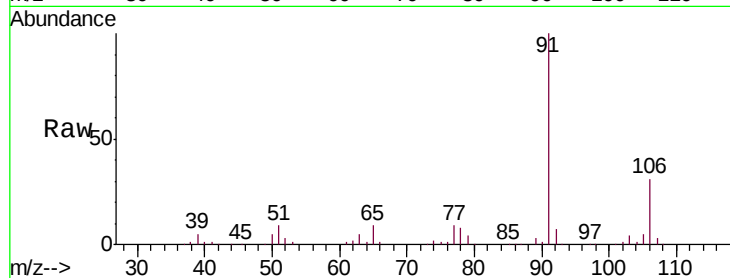
VSTD02575

Tgt Ion: 91 Resp: 245336

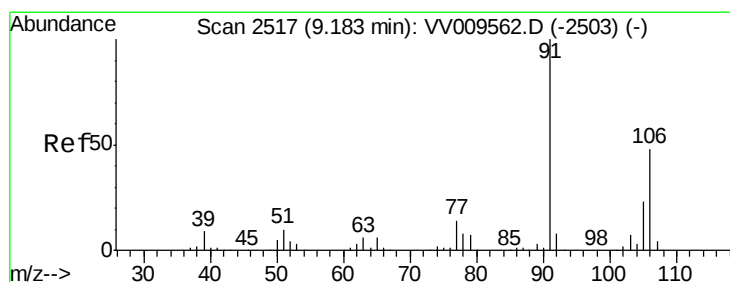
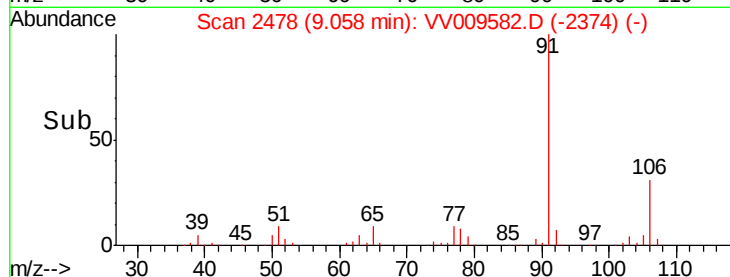
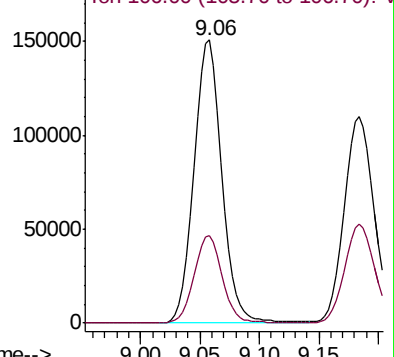
Ion Ratio Lower Upper

91 100

106 31.0 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009582.D (-2465) (-)



#54

m,p-Xylene

Concen: 26.678 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009582.D

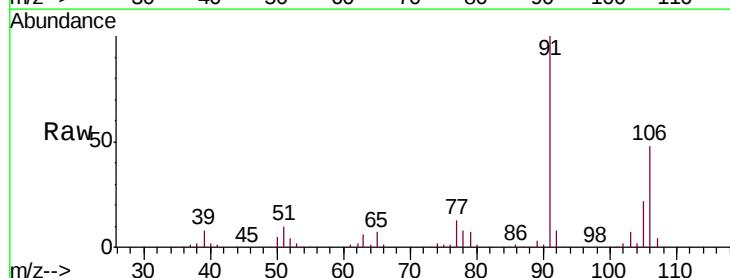
Acq: 10 Mar 2019 21:58

Tgt Ion: 106 Resp: 92373

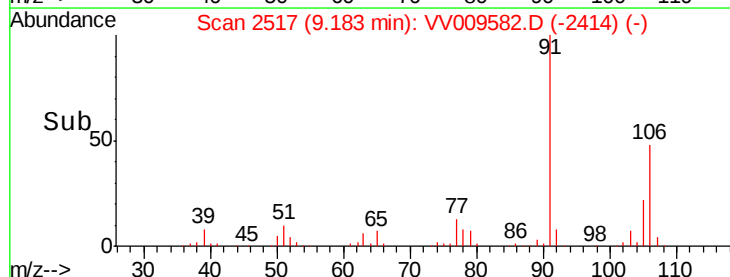
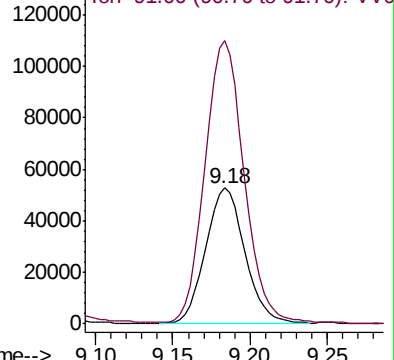
Ion Ratio Lower Upper

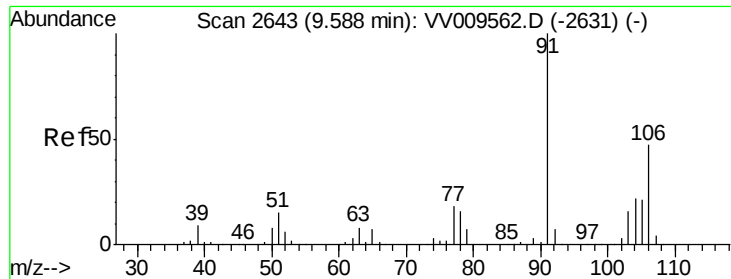
106 100

91 208.2 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009582.D (-2503) (-)





#55

o-xylene

Concen: 28.459 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

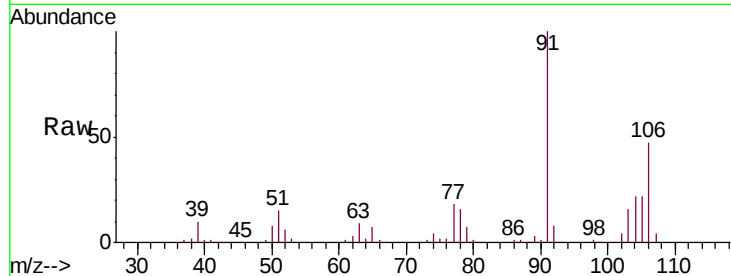
VSTD02575

Tgt Ion:106 Resp: 95021

Ion Ratio Lower Upper

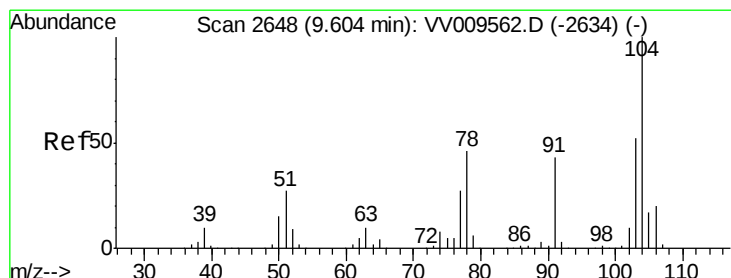
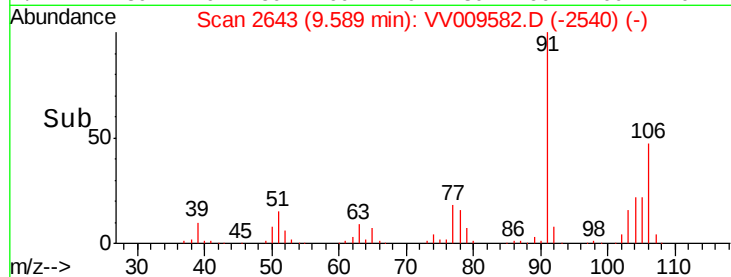
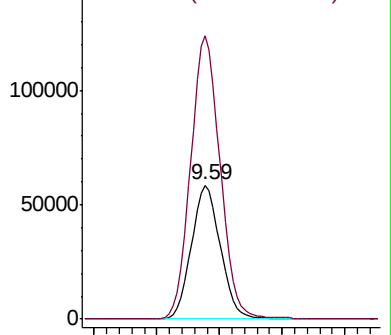
106 100

91 211.5 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 28.955 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009582.D

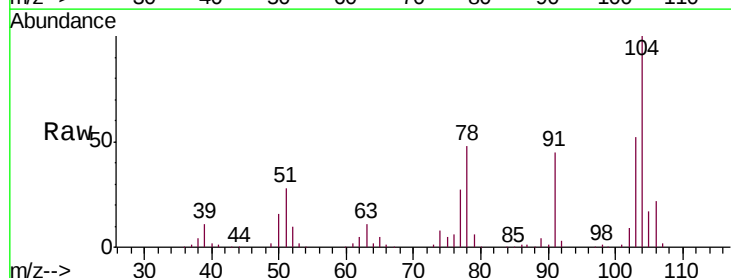
Acq: 10 Mar 2019 21:58

Tgt Ion:104 Resp: 159053

Ion Ratio Lower Upper

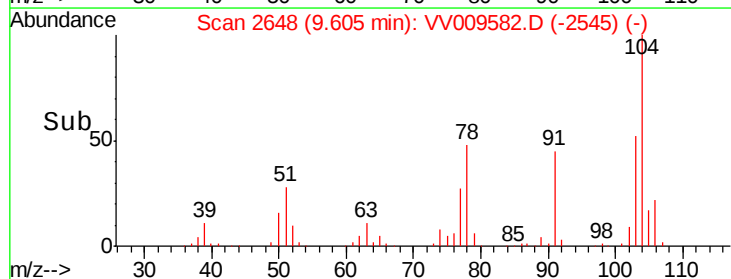
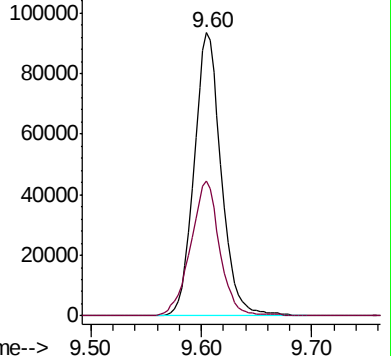
104 100

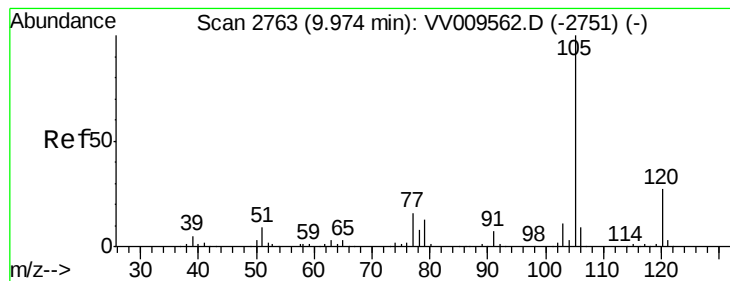
78 47.7 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.921 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

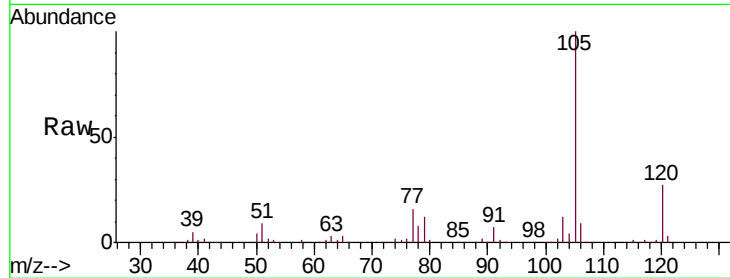
Tgt Ion: 105 Resp: 238720

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.2

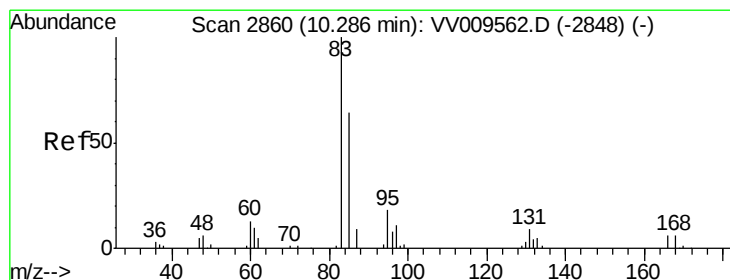
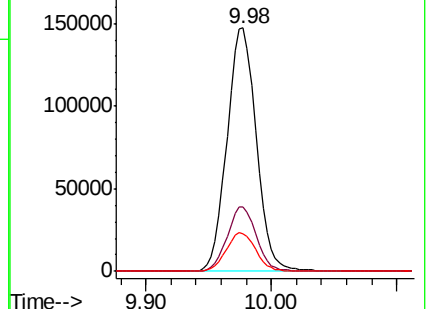
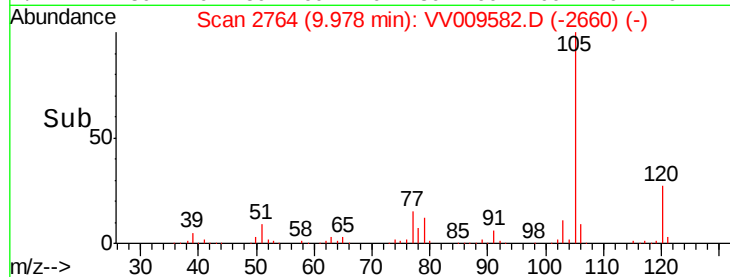
77 16.0 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): VV009582.D (-2660) (-)

Ion 120.00 (119.70 to 120.70): VV009582.D (-2660) (-)

Ion 77.00 (76.70 to 77.70): VV009582.D (-2660) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 29.571 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

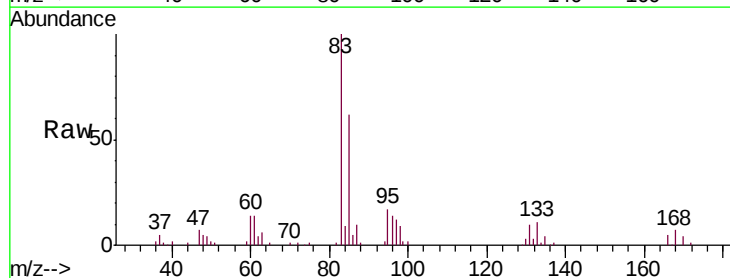
Tgt Ion: 83 Resp: 63263

Ion Ratio Lower Upper

83 100

85 62.1 44.7 83.1

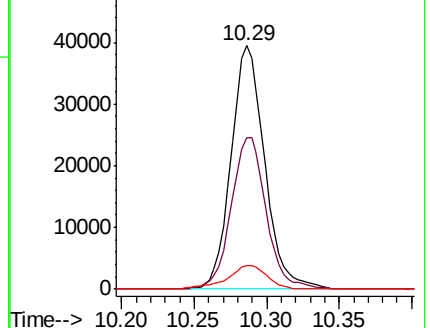
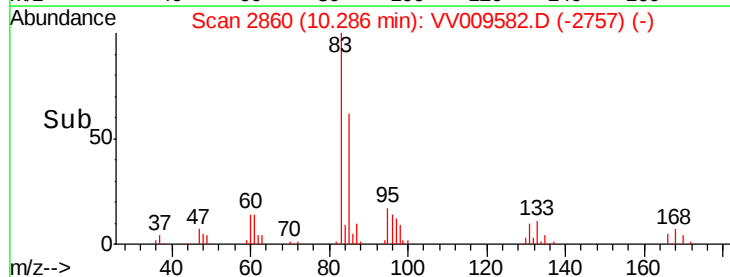
131 9.8 7.0 10.6

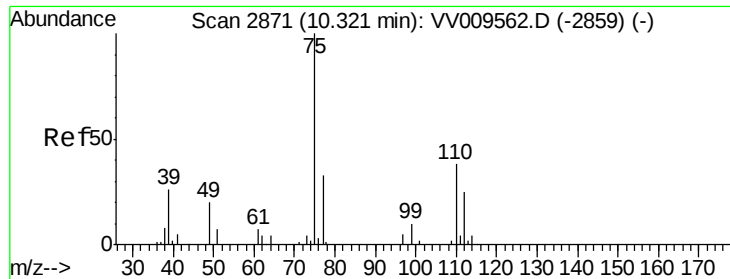


Abundance Ion 83.00 (82.70 to 83.70): VV009582.D (-2757) (-)

Ion 85.00 (84.70 to 85.70): VV009582.D (-2757) (-)

Ion 131.00 (130.70 to 131.70): VV009582.D (-2757) (-)





#59

1,2,3-Trichloropropane

Concen: 29.518 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

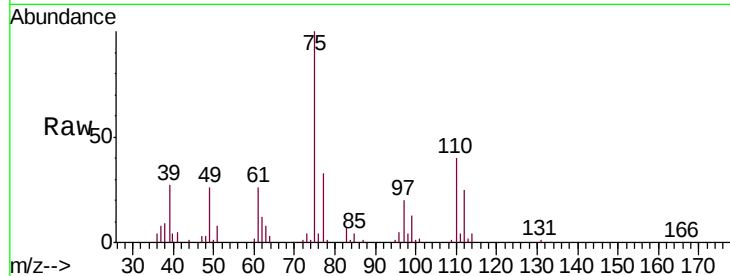
VSTD02575

Tgt Ion: 75 Resp: 45522

Ion Ratio Lower Upper

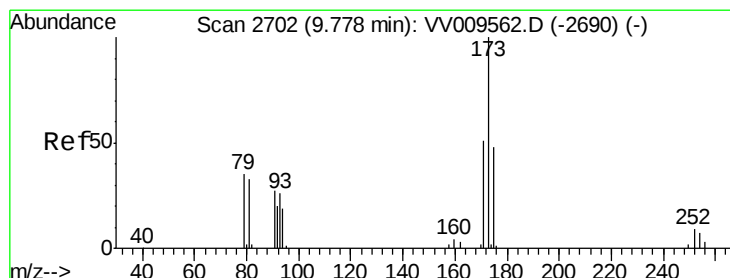
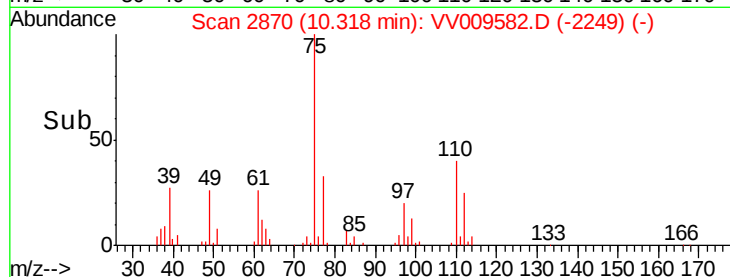
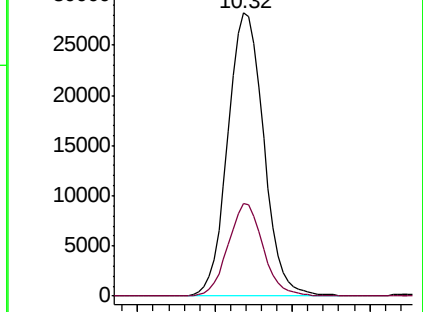
75 100

77 31.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV009562.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009562.D (-2859) (-)



#62

Bromoform

Concen: 26.961 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

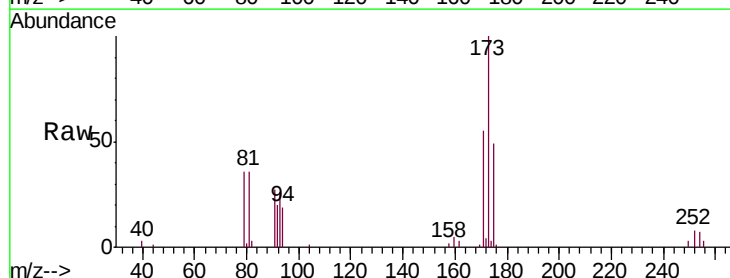
Tgt Ion: 173 Resp: 29796

Ion Ratio Lower Upper

173 100

175 48.0 38.8 58.2

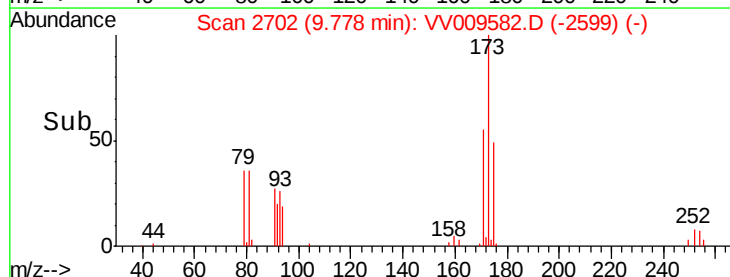
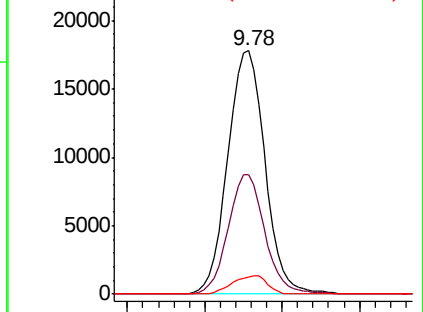
254 7.2 5.8 8.8

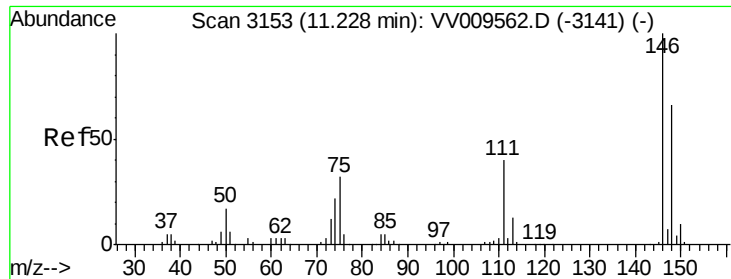


Abundance Ion 173.00 (172.70 to 173.70): VV009562.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009562.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009562.D (-2690) (-)

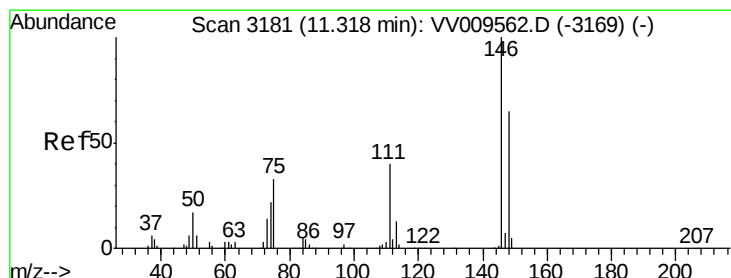
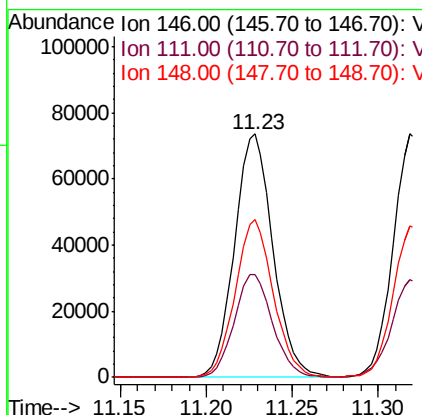
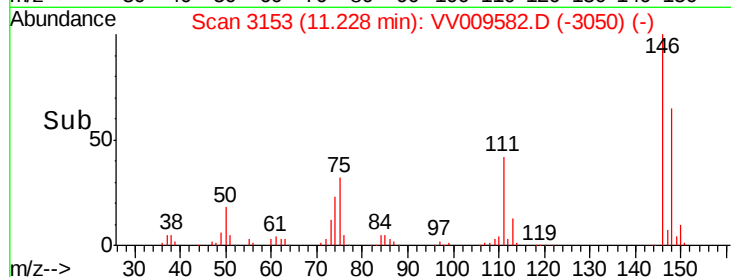
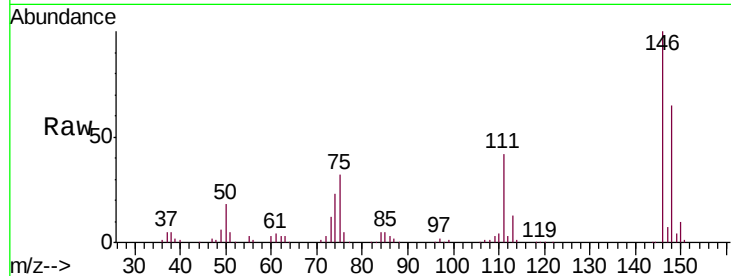




#63
 1,3-Dichlorobenzene
 Concen: 26.822 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

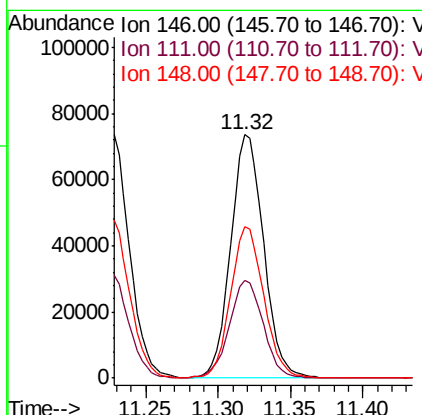
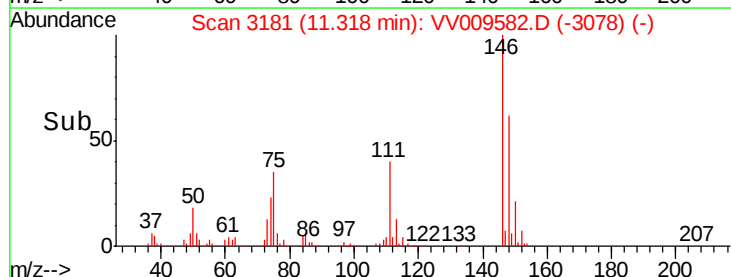
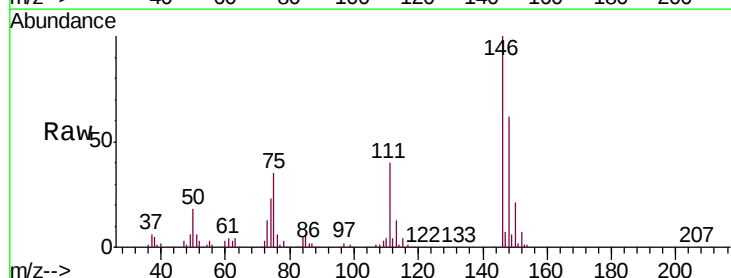
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

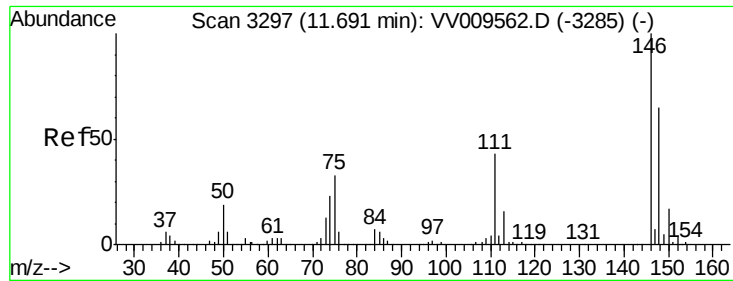
Tgt Ion:146 Resp: 114103
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.6 55.0
 148 64.9 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 26.637 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Tgt Ion:146 Resp: 115792
 Ion Ratio Lower Upper
 146 100
 111 40.0 29.2 54.2
 148 62.1 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 28.742 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

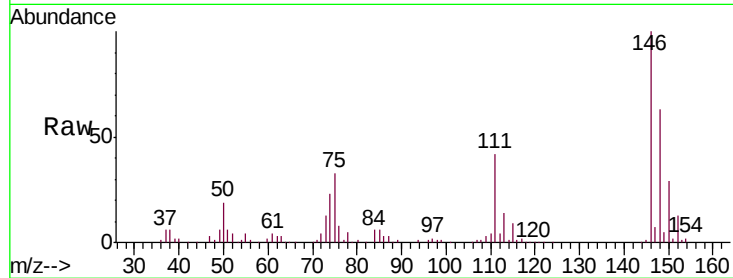
Tgt Ion:146 Resp: 114024

Ion Ratio Lower Upper

146 100

111 42.1 35.4 53.0

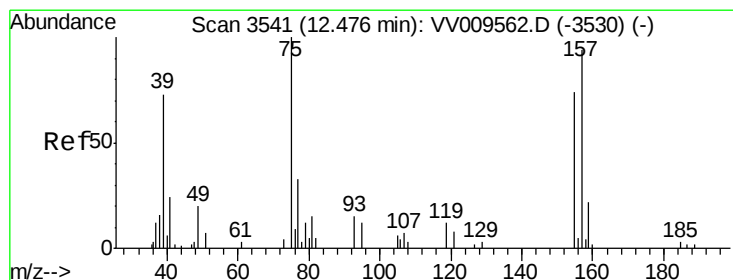
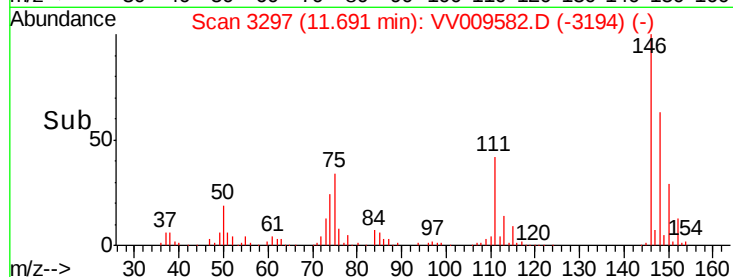
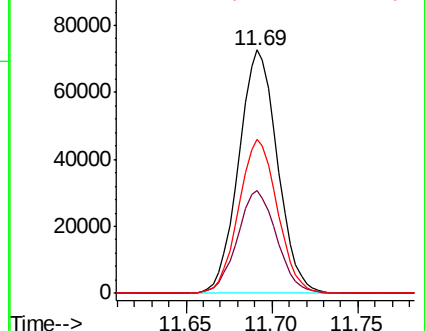
148 63.2 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.060 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

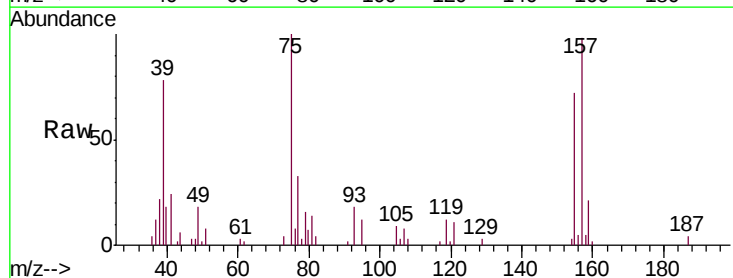
Tgt Ion: 75 Resp: 10355

Ion Ratio Lower Upper

75 100

157 98.2 81.0 121.4

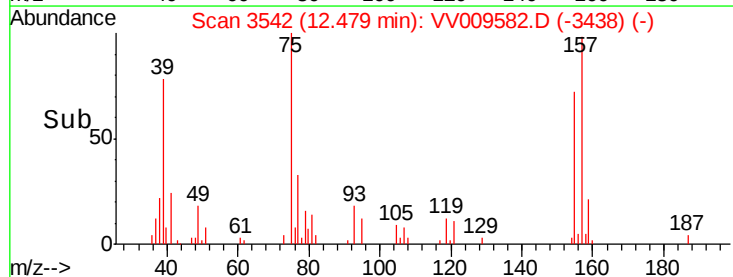
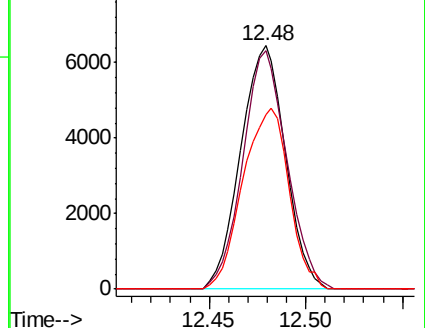
155 71.8 61.2 91.8

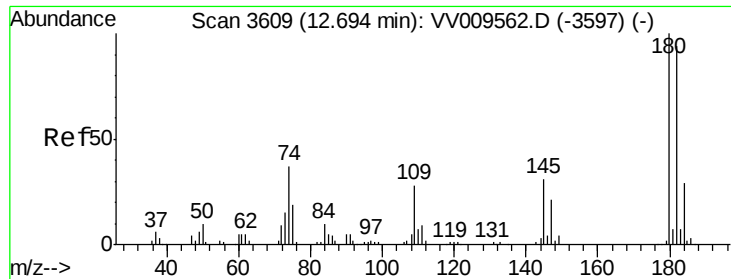


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

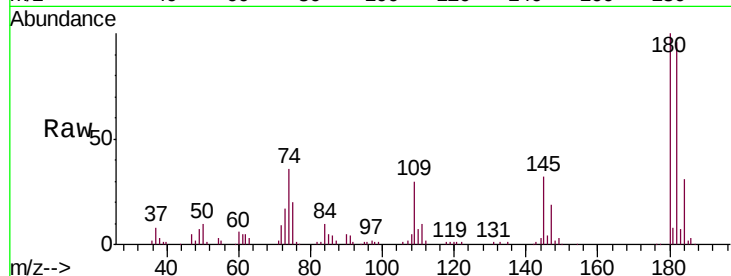




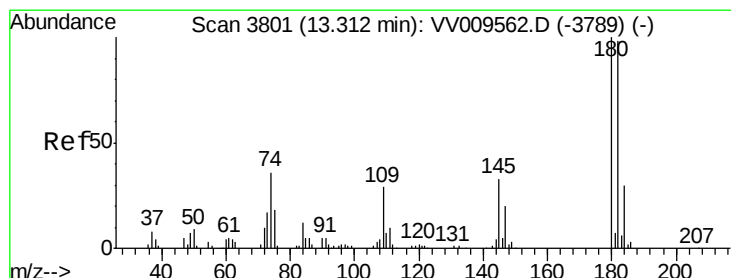
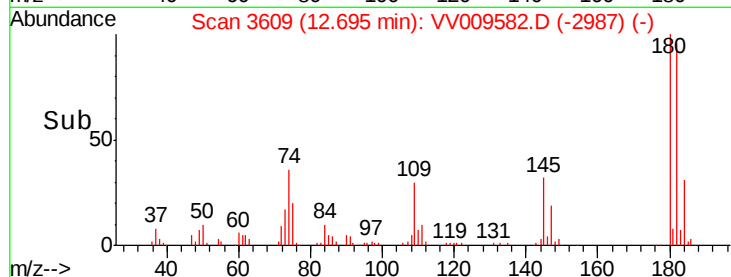
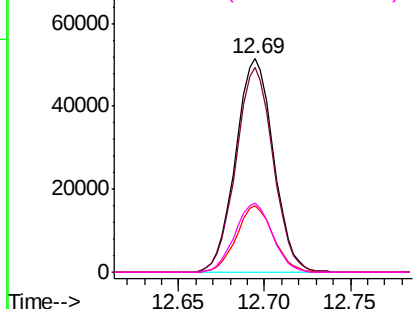
#67
 1,3,5-Trichlorobenzene
 Concen: 25.770 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Tgt Ion:180 Resp: 78634
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.4 113.2
 184 30.2 23.9 35.9
 145 32.0 26.0 39.0

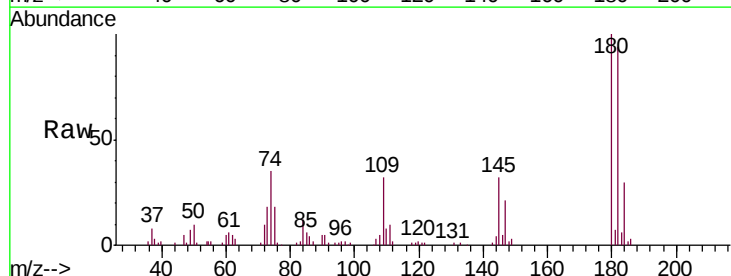


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

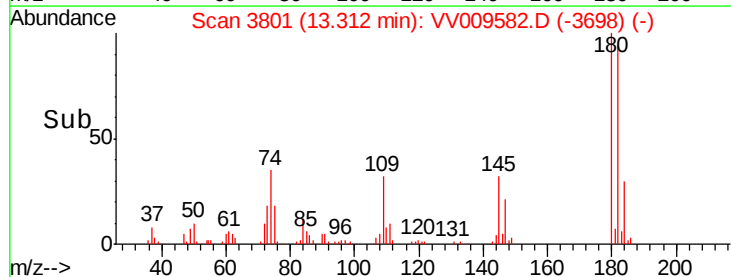
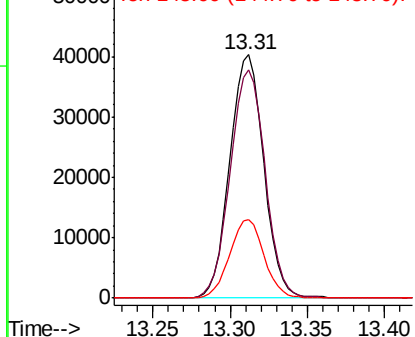


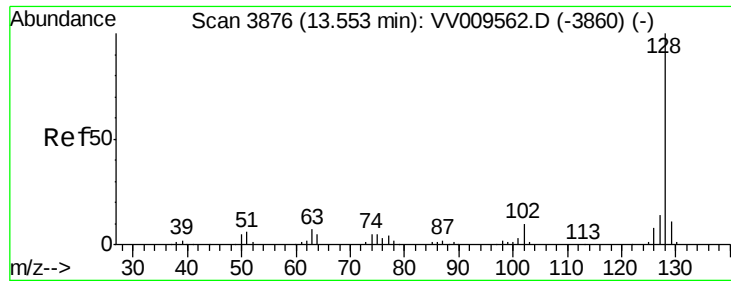
#68
 1,2,4-trichlorobenzene
 Concen: 25.139 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009582.D
 Acq: 10 Mar 2019 21:58

Tgt Ion:180 Resp: 61416
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.9 113.9
 145 32.4 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: 24.230 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

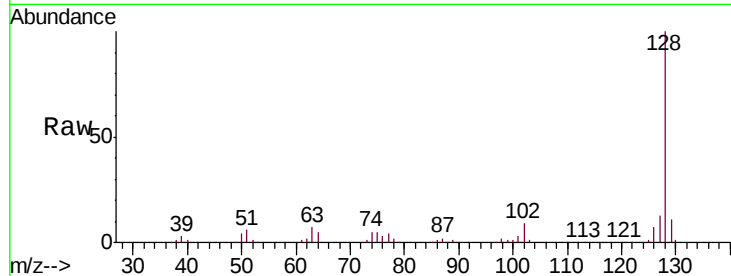
Tgt Ion:128 Resp: 124685

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

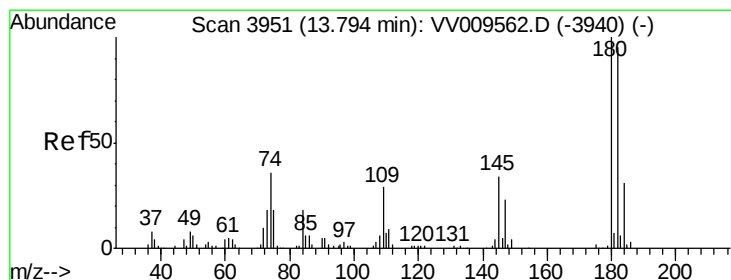
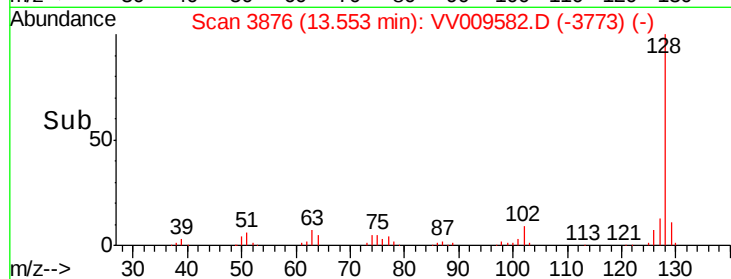
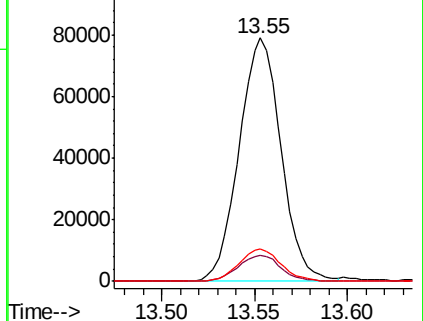
127 13.1 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.616 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009582.D

Acq: 10 Mar 2019 21:58

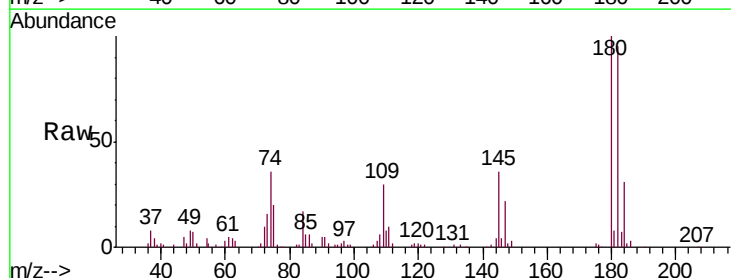
Tgt Ion:180 Resp: 59821

Ion Ratio Lower Upper

180 100

182 95.1 74.2 111.2

145 34.6 27.7 41.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

