

Data File : VV008600.D
Acq On : 16 Nov 2018 23:22
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Quant Time: Nov 17 04:50:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:38:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	157100	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	142383	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66677	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34666	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.59	69	27491	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.14	63	69557	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	3.98	46	128686	51.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	4.41	84	93566	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.09	65	48618	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	185929	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.12	67	57638	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	172839	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.67	79	21381	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.14	63	104418	50.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42711	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	59986	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66117	5.105	ug/L 99
3) Chloromethane	1.25	50	53283	4.922	ug/L 98
5) Vinyl chloride	1.32	62	52641	5.298	ug/L 99
6) Bromomethane	1.54	94	31409	5.069	ug/L 96
8) Chloroethane	1.60	64	29784	5.117	ug/L 99
9) Trichlorofluoromethane	1.77	101	73350	5.357	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	39923	4.997	ug/L 96
12) 1,1-Dichloroethene	2.14	96	36408	4.999	ug/L 90
13) Acetone	2.23	43	61739	47.412	ug/L 97
14) Carbon disulfide	2.32	76	112007	4.927	ug/L 99
15) Methyl Acetate	2.48	43	15884	4.875	ug/L 98
16) Methylene chloride	2.54	84	40608	4.580	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	100180	5.168	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	39956	5.054	ug/L 99
19) 1,1-Dichloroethane	3.23	63	102905	5.144	ug/L 98
21) 2-Butanone	4.06	43	144951	49.717	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	61973	5.193	ug/L 97

Data File : VV008600.D
Acq On : 16 Nov 2018 23:22
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Quant Time: Nov 17 04:50:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:38:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24227	5.276	ug/L	98
25) Chloroform	4.43	83	110099	4.356	ug/L	99
27) 1,2-Dichloroethane	5.19	62	68314	5.417	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	91269	5.077	ug/L	98
30) Cyclohexane	4.72	56	100965	5.050	ug/L	97
31) Carbon tetrachloride	4.88	117	76731	5.019	ug/L	97
33) Benzene	5.15	78	232553	5.151	ug/L	100
34) Trichloroethene	5.96	95	62270	5.219	ug/L	96
35) Methylcyclohexane	6.18	83	101705	5.034	ug/L	99
37) 1,2-Dichloropropane	6.23	63	59911	5.049	ug/L	99
38) Bromodichloromethane	6.56	83	68729	4.748	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	82876	5.196	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	359999	51.836	ug/L	99
42) Toluene	7.43	91	243479	5.176	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	64198	4.941	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	39089	5.177	ug/L	97
47) Tetrachloroethene	8.02	164	44418	5.145	ug/L	96
48) 2-Hexanone	8.19	43	247828	52.870	ug/L	99
49) Dibromochloromethane	8.29	129	42812	4.985	ug/L	100
50) 1,2-Dibromoethane	8.40	107	36204	5.305	ug/L	96
51) Chlorobenzene	8.93	112	151791	5.230	ug/L	97
52) Ethylbenzene	9.06	91	269297	5.201	ug/L	100
53) m,p-xylene	9.18	106	99570	5.201	ug/L	98
54) o-xylene	9.59	106	97203	5.218	ug/L	97
55) Styrene	9.60	104	160378	5.334	ug/L	99
56) Isopropylbenzene	9.98	105	260764	5.213	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	47275	5.304	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	35211	5.232	ug/L	99
61) Bromoform	9.78	173	21392	4.993	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	111797	5.147	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	112291	5.246	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	108337	5.239	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	6989	5.281	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	81277	5.167	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	66007	5.207	ug/L	98
69) Naphthalene	13.56	128	109819	5.333	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	63314	5.414	ug/L	99

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

Data File : VV008600.D

Acq On : 16 Nov 2018 23:22

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25.0 mL/MSVOA V/WATER

```
ALS Vial      : 22      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

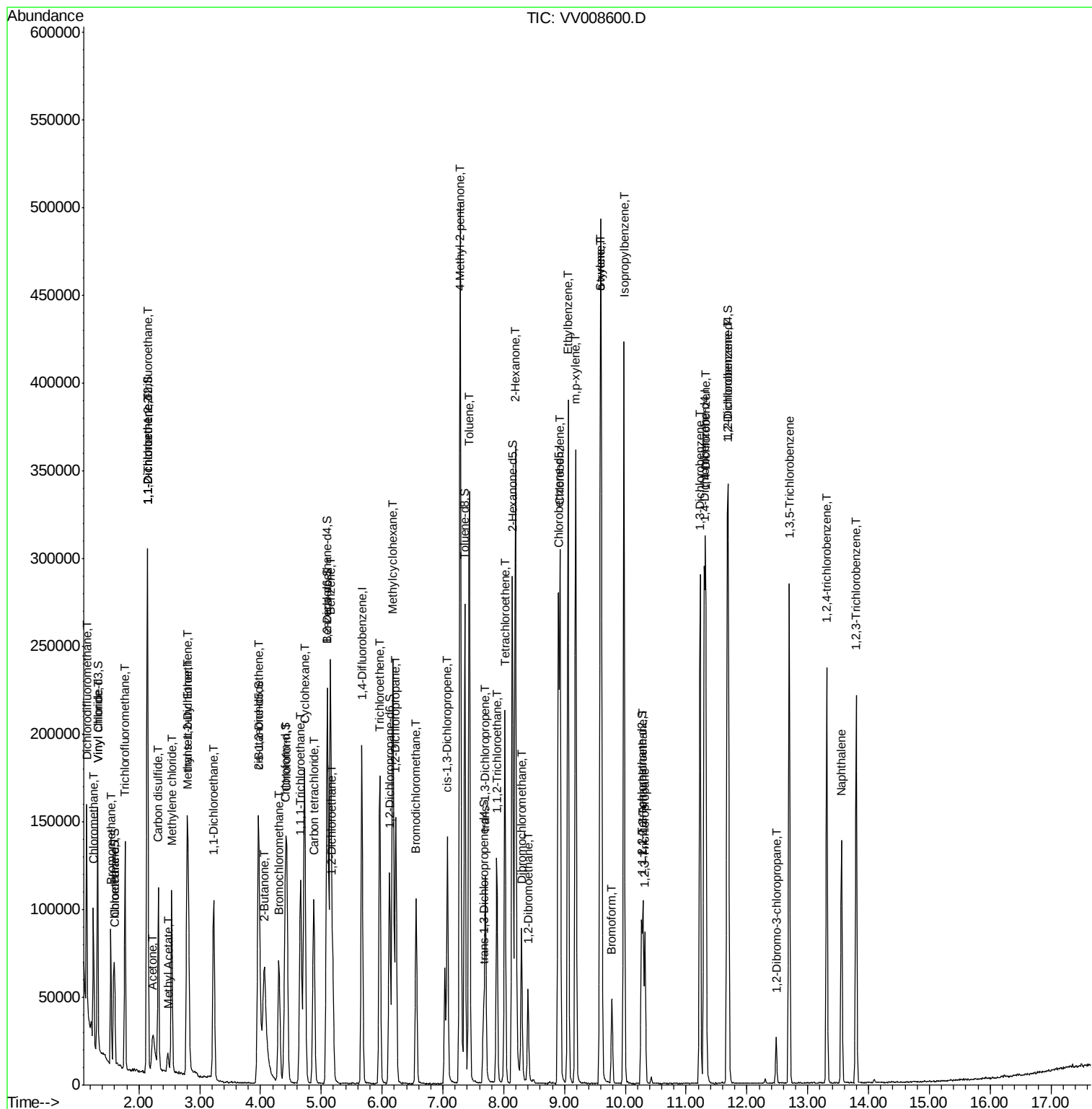
Quant Time: Nov 17 04:50:39 2018

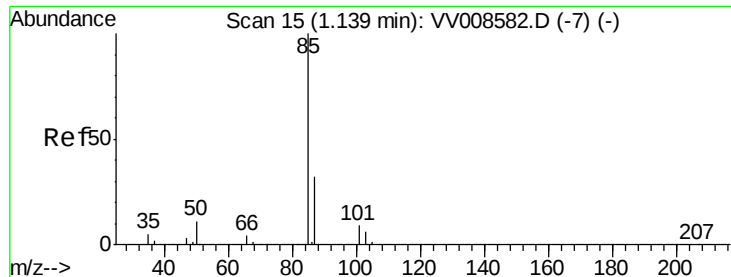
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR111718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Nov 17 04:38:54 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.105 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

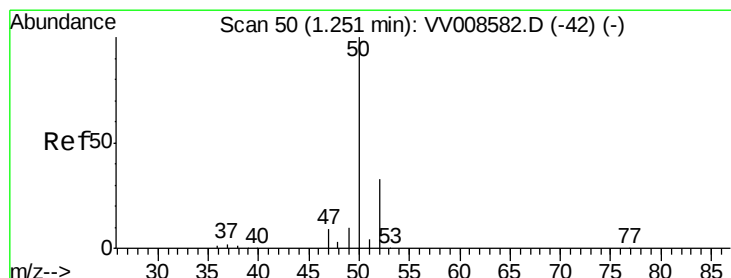
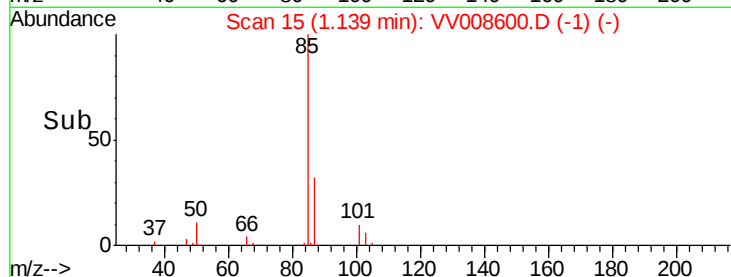
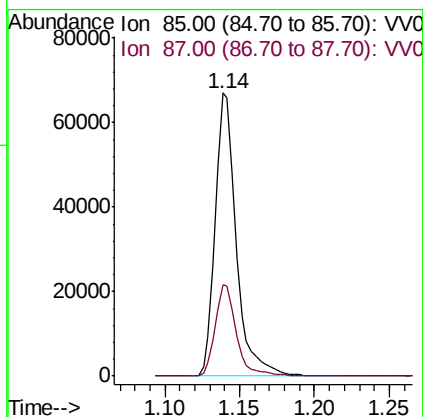
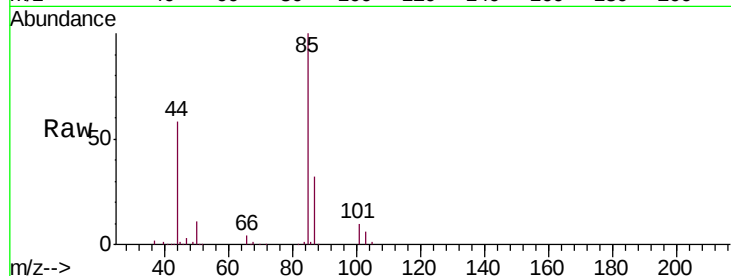
VSTD00576

Tgt Ion: 85 Resp: 66117

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



#3

Chloromethane

Concen: 4.922 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008600.D

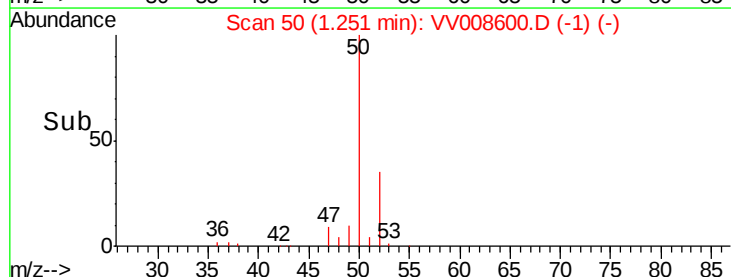
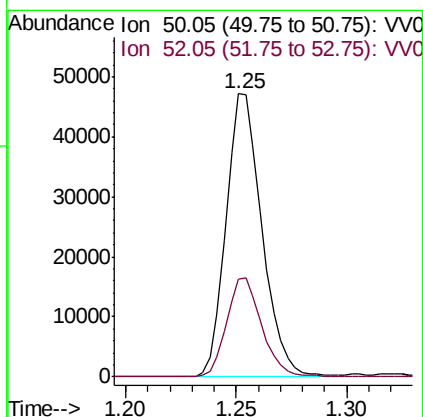
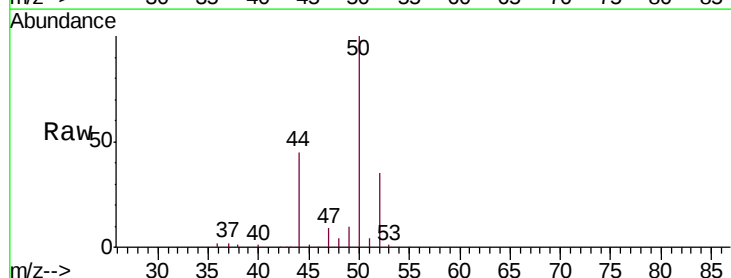
Acq: 16 Nov 2018 23:22

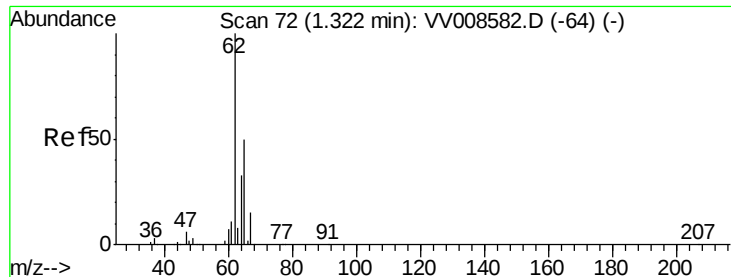
Tgt Ion: 50 Resp: 53283

Ion Ratio Lower Upper

50 100

52 34.6 23.3 43.3





#5

Vinyl chloride

Concen: 5.298 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

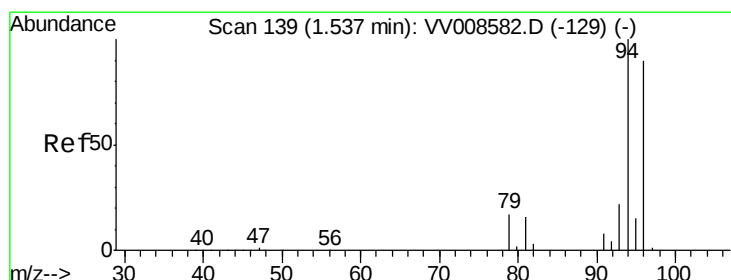
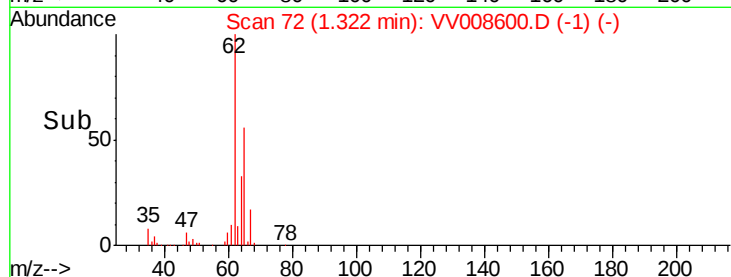
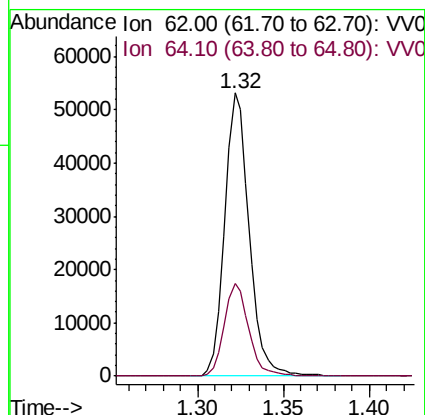
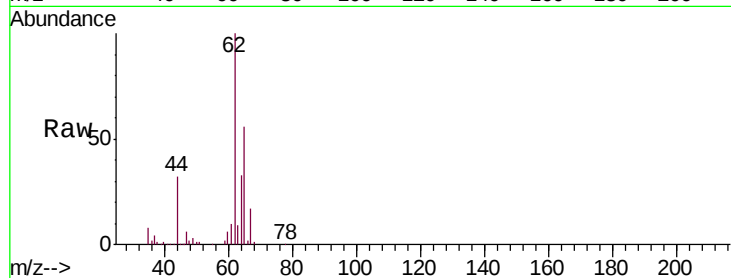
VSTD00576

Tgt Ion: 62 Resp: 52641

Ion Ratio Lower Upper

62 100

64 32.7 23.4 43.4



#6

Bromomethane

Concen: 5.069 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008600.D

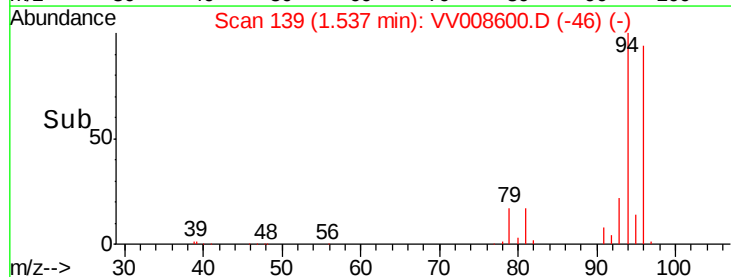
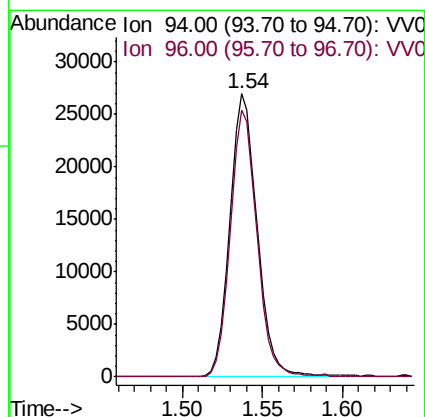
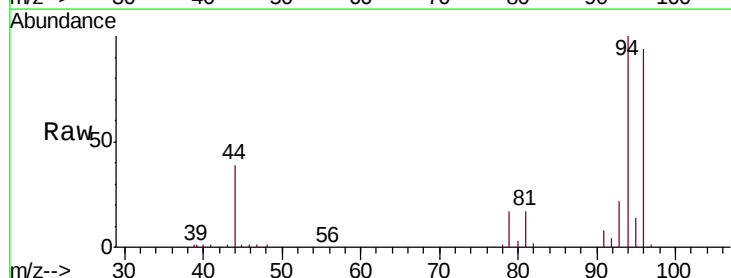
Acq: 16 Nov 2018 23:22

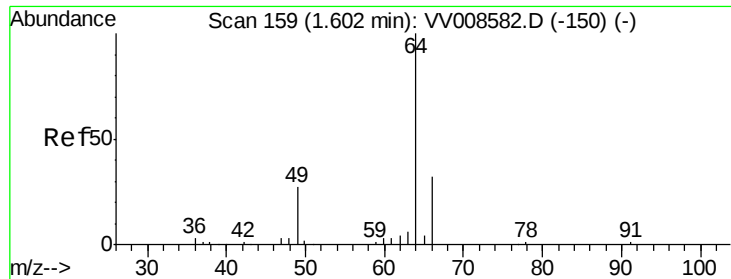
Tgt Ion: 94 Resp: 31409

Ion Ratio Lower Upper

94 100

96 94.4 63.2 117.4





#8

Chloroethane

Concen: 5.117 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

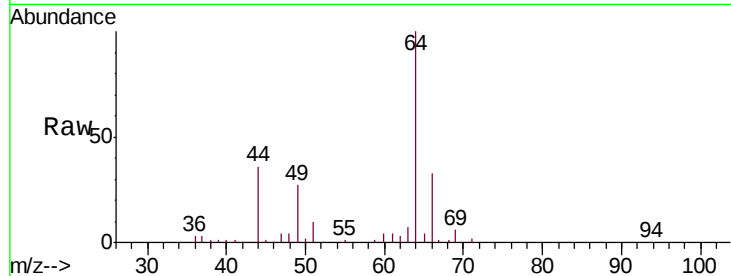
VSTD00576

Tgt Ion: 64 Resp: 29784

Ion Ratio Lower Upper

64 100

66 32.9 22.7 42.3

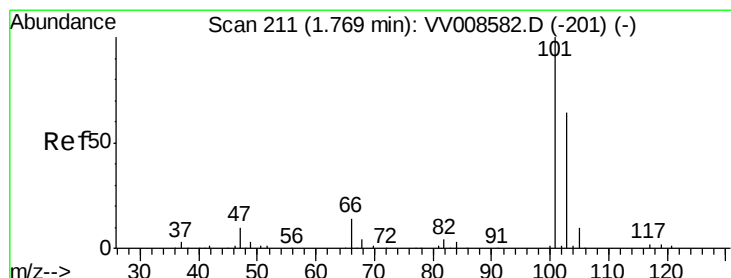
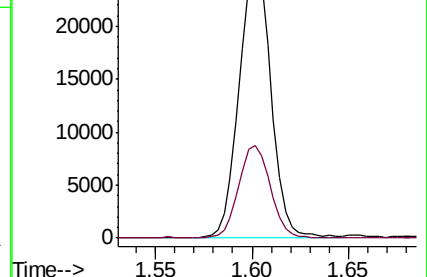
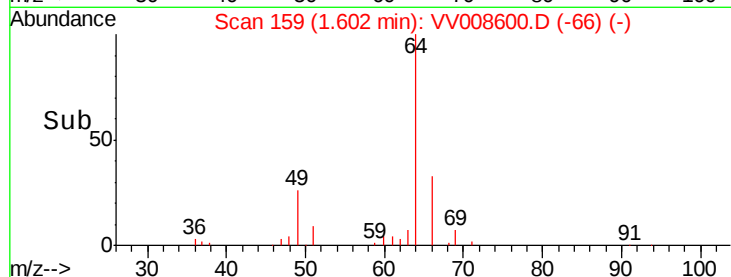


Abundance Ion 64.10 (63.80 to 64.80): VV008582.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008582.D (-150) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 5.357 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008600.D

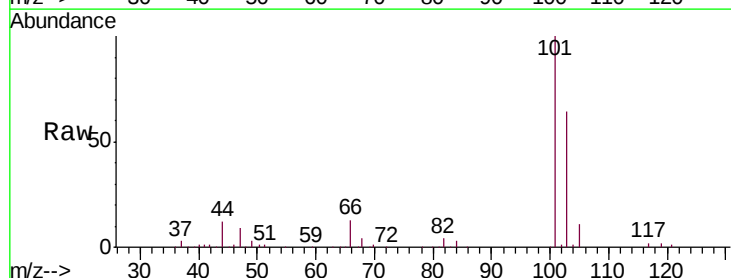
Acq: 16 Nov 2018 23:22

Tgt Ion: 101 Resp: 73350

Ion Ratio Lower Upper

101 100

103 63.9 51.1 76.7

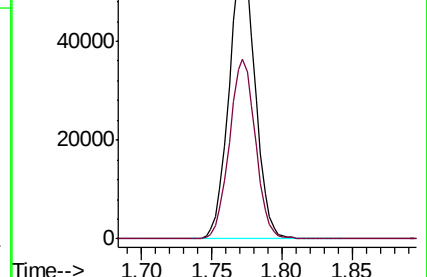
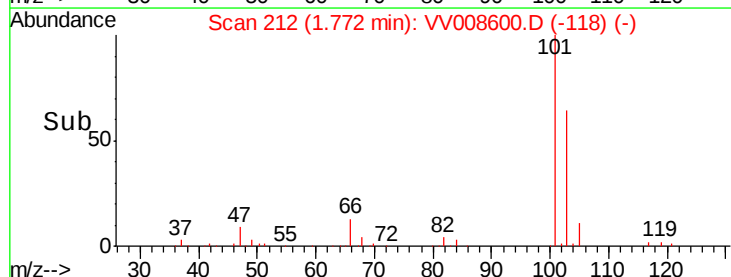


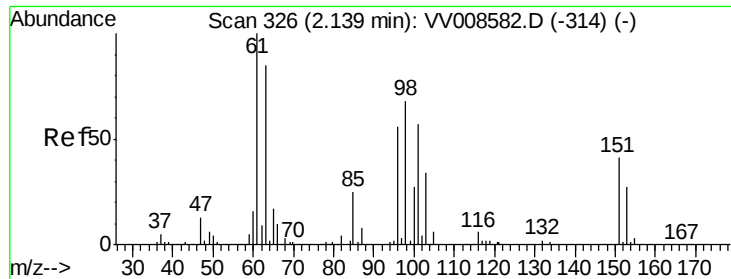
Abundance Ion 101.00 (100.70 to 101.70): VV008582.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV008582.D (-201) (-)

1.77

Time-->





#10

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

Concen: 4.997 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

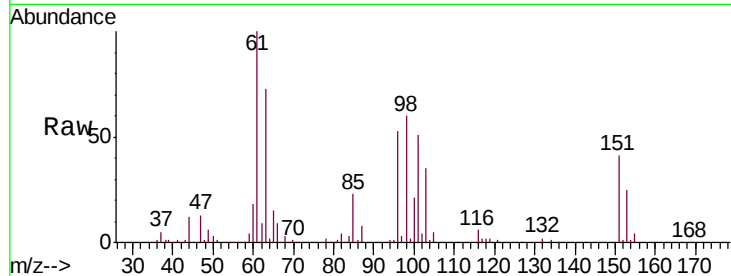
Tgt Ion:101 Resp: 39923

Ion Ratio Lower Upper

101 100

85 44.0 35.4 53.0

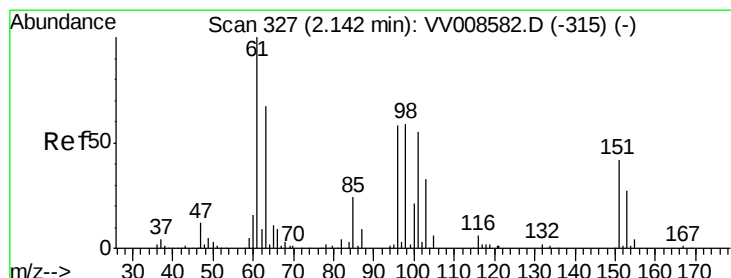
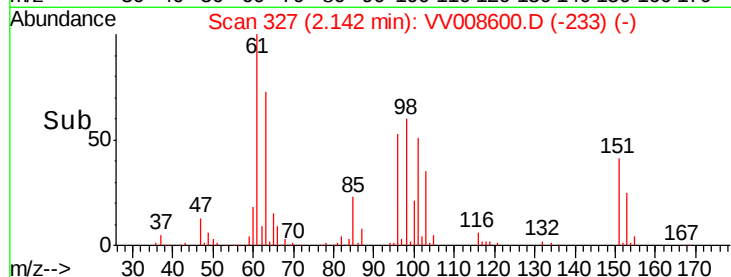
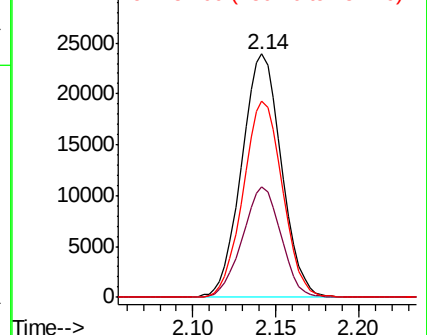
151 79.7 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.999 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

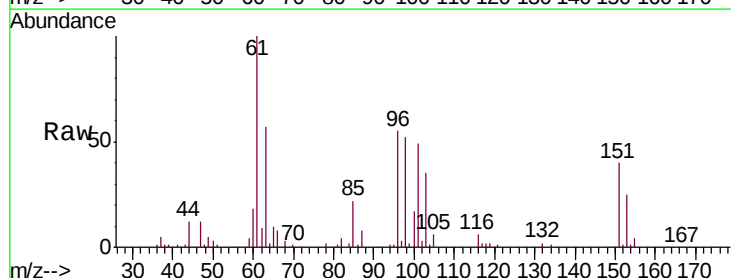
Tgt Ion: 96 Resp: 36408

Ion Ratio Lower Upper

96 100

61 182.4 120.3 223.5

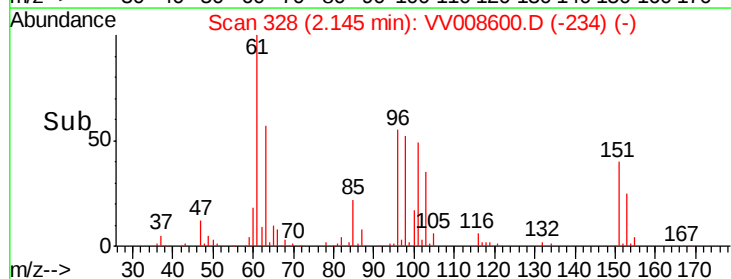
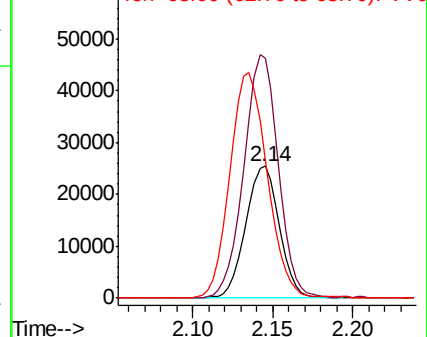
63 104.2 82.5 153.3

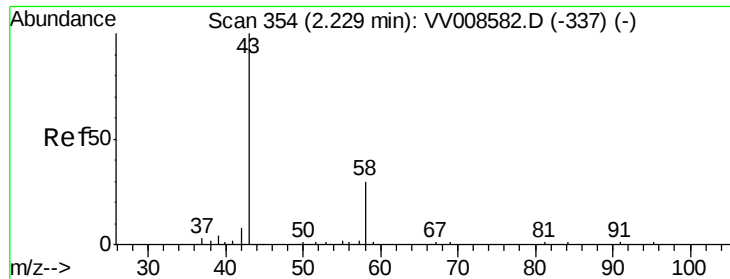


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.412 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

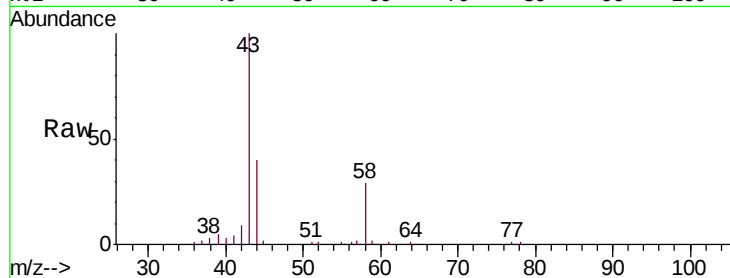
VSTD00576

Tgt Ion: 43 Resp: 61739

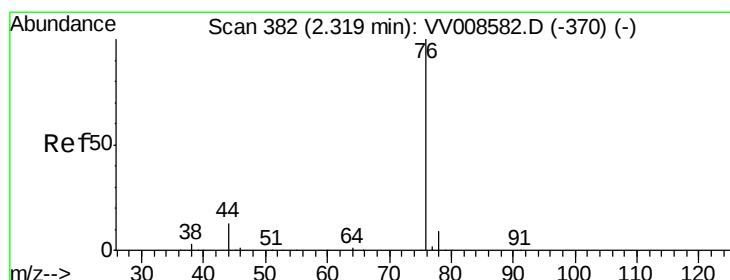
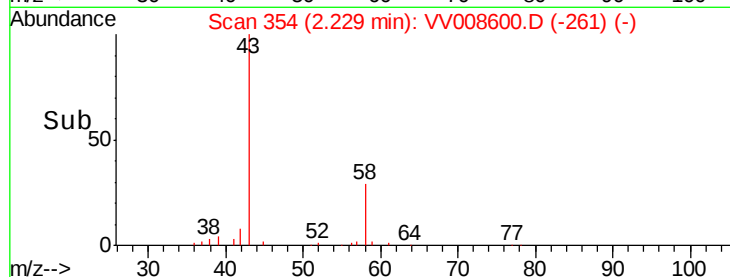
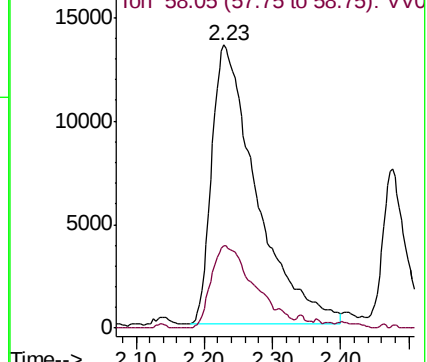
Ion Ratio Lower Upper

43 100

58 26.9 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VV008582.D (-337) (-)



#14

Carbon disulfide

Concen: 4.927 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV008600.D

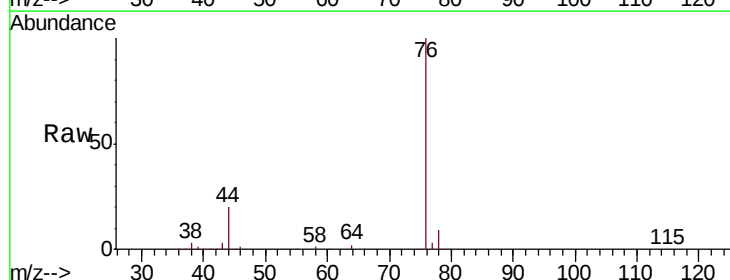
Acq: 16 Nov 2018 23:22

Tgt Ion: 76 Resp: 112007

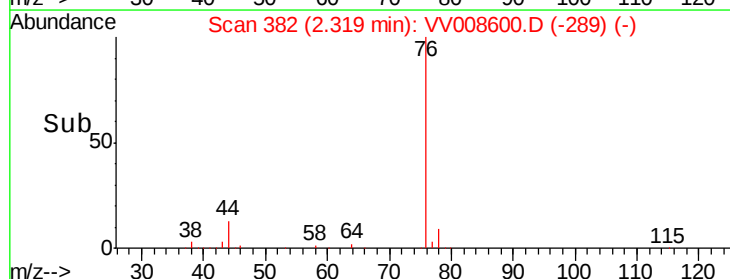
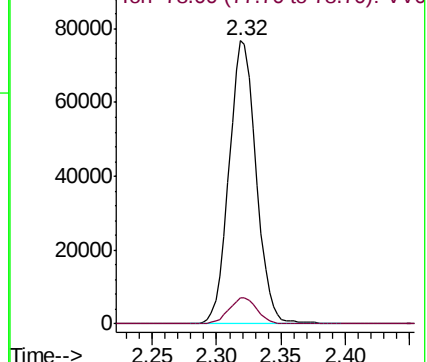
Ion Ratio Lower Upper

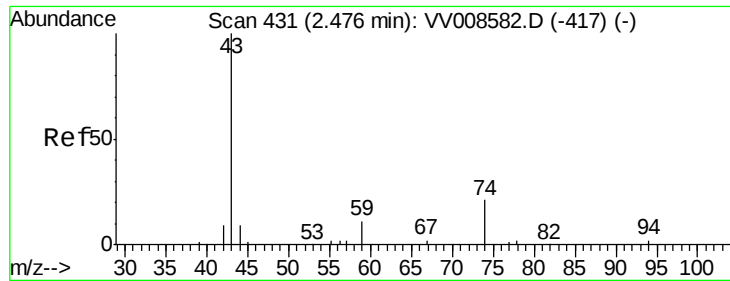
76 100

78 9.0 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV008582.D (-370) (-)





#15

Methyl Acetate

Concen: 4.875 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

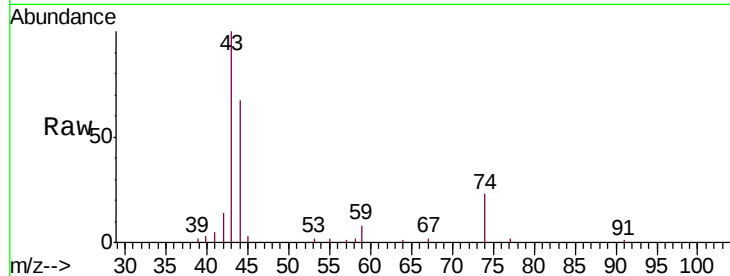
VSTD00576

Tgt Ion: 43 Resp: 15884

Ion Ratio Lower Upper

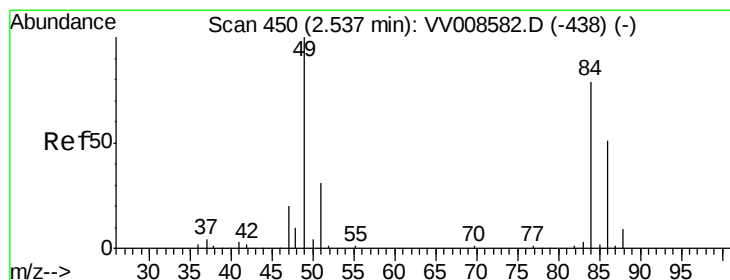
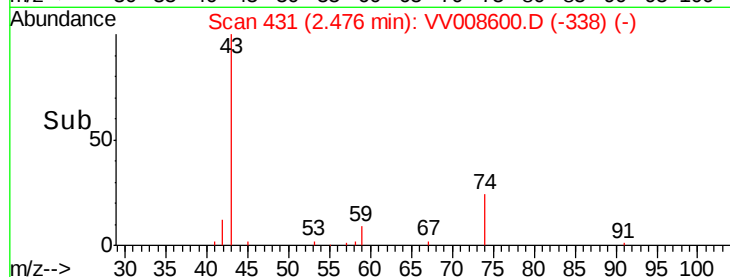
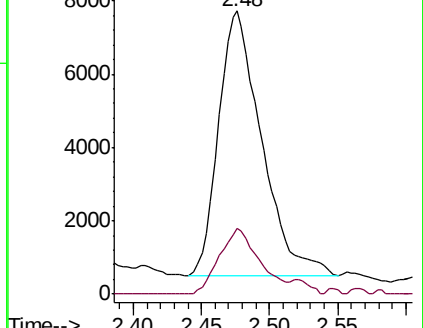
43 100

74 22.8 17.6 26.4



Abundance Ion 43.05 (42.75 to 43.75): VV008600.D (-338) (-)

Ion 74.05 (73.75 to 74.75): VV008600.D (-338) (-)



#16

Methylene chloride

Concen: 4.580 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

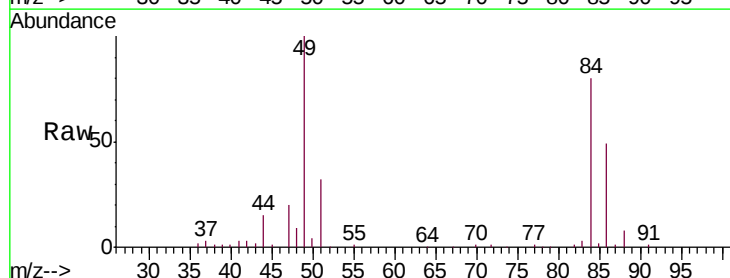
Tgt Ion: 84 Resp: 40608

Ion Ratio Lower Upper

84 100

86 60.7 44.8 83.2

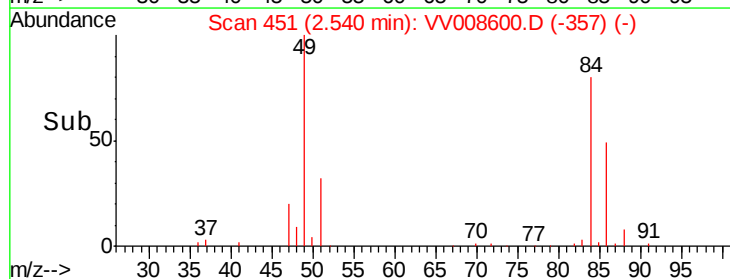
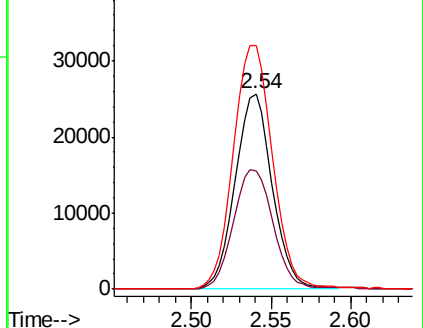
49 124.4 88.1 163.7

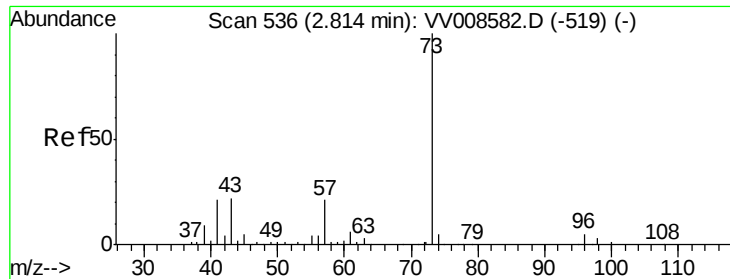


Abundance Ion 84.05 (83.75 to 84.75): VV008600.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VV008600.D (-357) (-)

Ion 49.10 (48.80 to 49.80): VV008600.D (-357) (-)

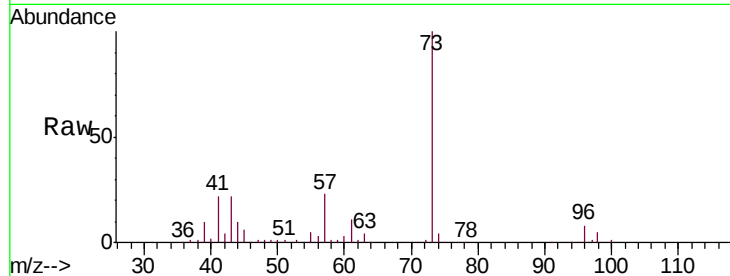




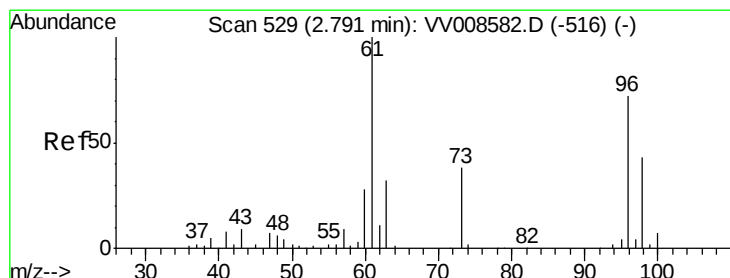
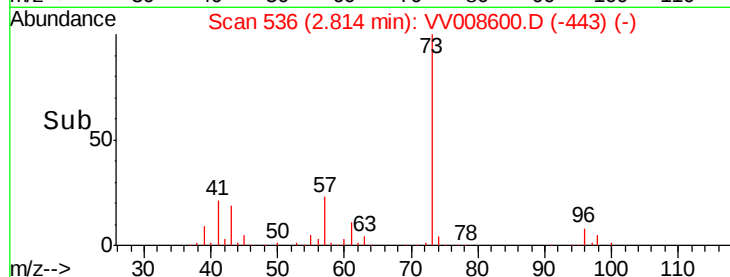
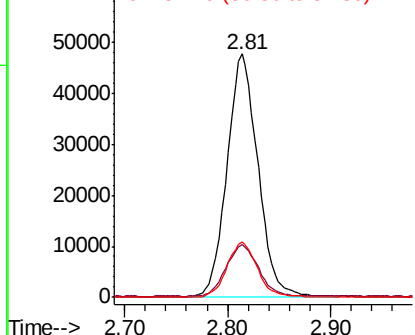
#17
Methyl tert-butyl Ether
Concen: 5.168 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.9	18.1	27.1
57	22.4	17.9	26.9

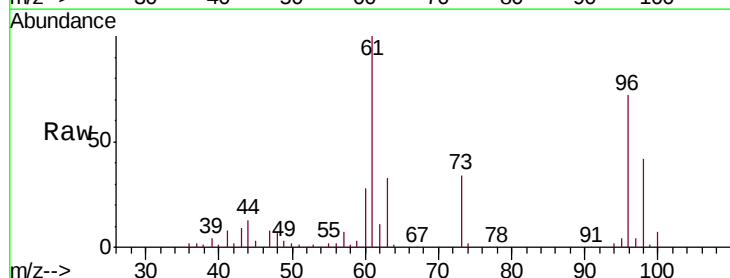


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

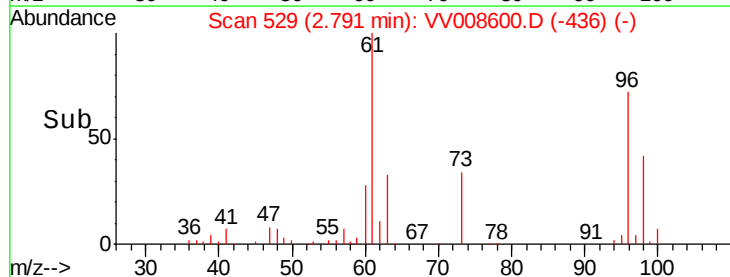
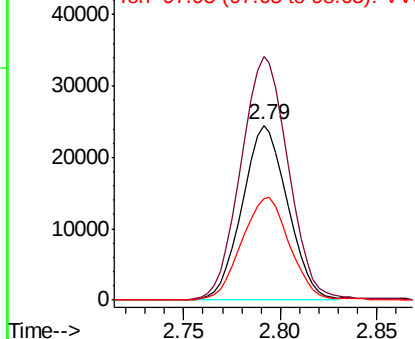


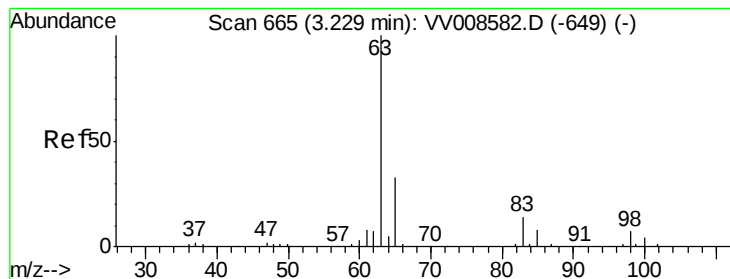
#18
trans-1,2-Dichloroethene
Concen: 5.054 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.4	97.1	180.3
98	58.0	41.9	77.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.144 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

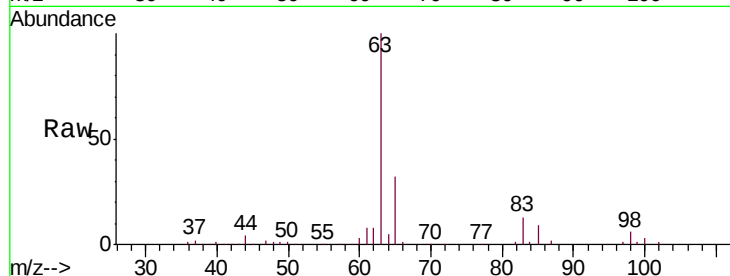
Tgt Ion: 63 Resp: 102905

Ion Ratio Lower Upper

63 100

65 31.8 23.2 43.0

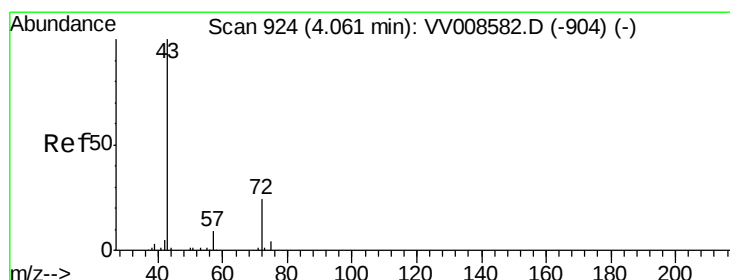
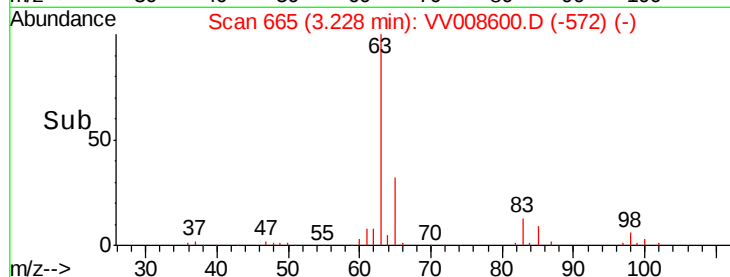
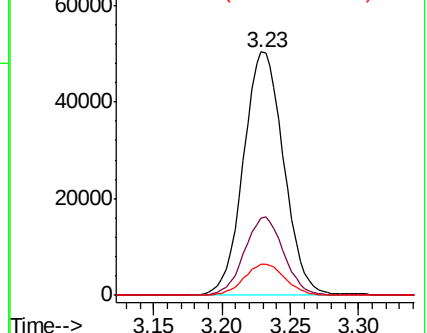
83 12.6 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV008582.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV008582.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV008582.D (-649) (-)



#21

2-Butanone

Concen: 49.717 ug/L

RT: 4.06 min Scan# 924

Delta R.T. -0.00 min

Lab File: VV008600.D

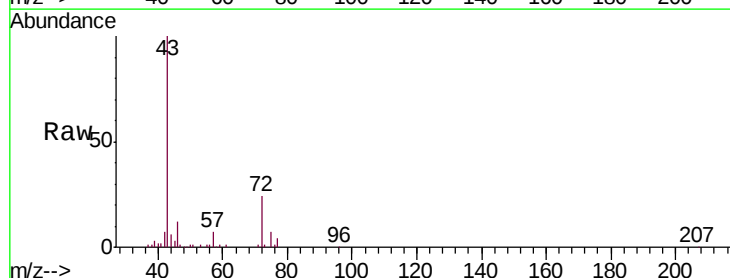
Acq: 16 Nov 2018 23:22

Tgt Ion: 43 Resp: 144951

Ion Ratio Lower Upper

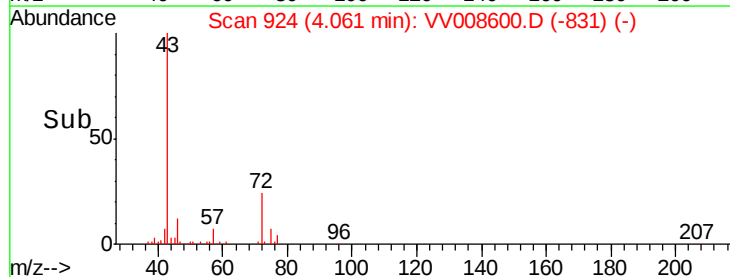
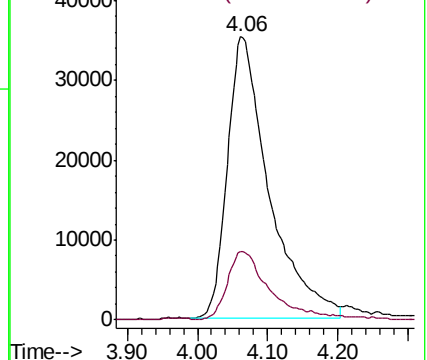
43 100

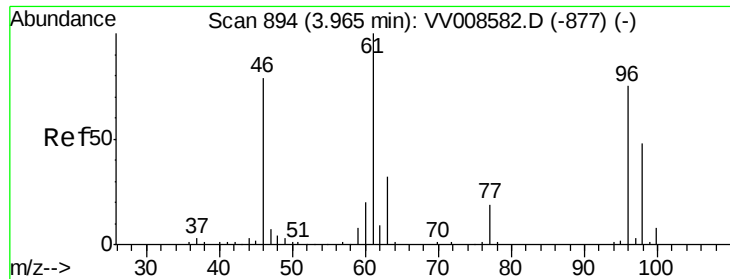
72 23.5 12.3 36.9



Abundance Ion 43.05 (42.75 to 43.75): VV008582.D (-904) (-)

Ion 72.10 (71.80 to 72.80): VV008582.D (-904) (-)



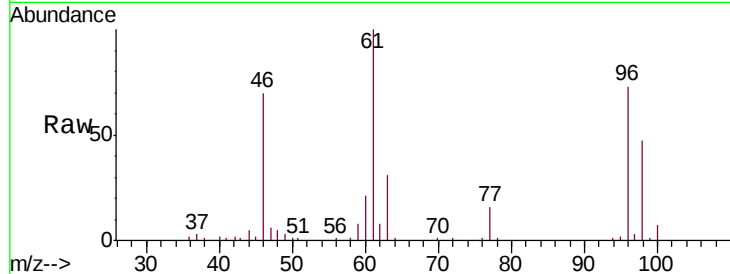


#22

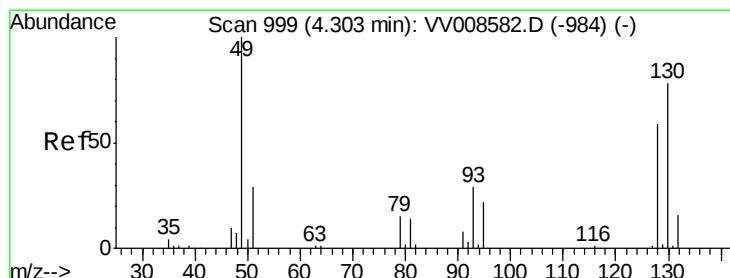
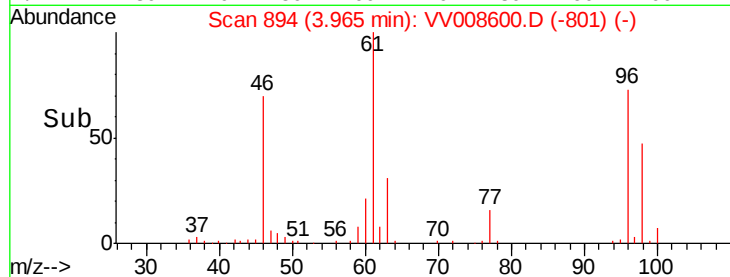
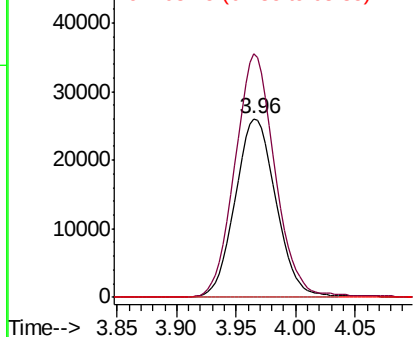
cis-1,2-Dichloroethene
 Concen: 5.193 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion: 96 Resp: 61973
 Ion Ratio Lower Upper
 96 100
 61 136.5 93.2 173.2
 68 0.0 0.0 0.0



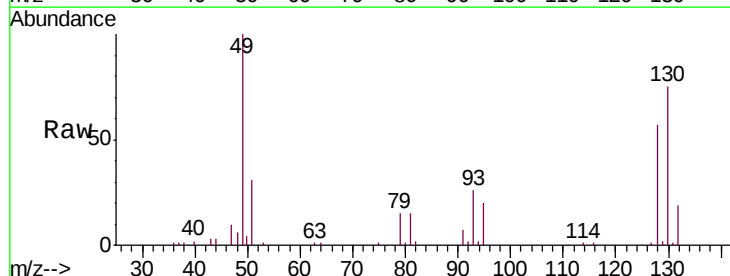
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



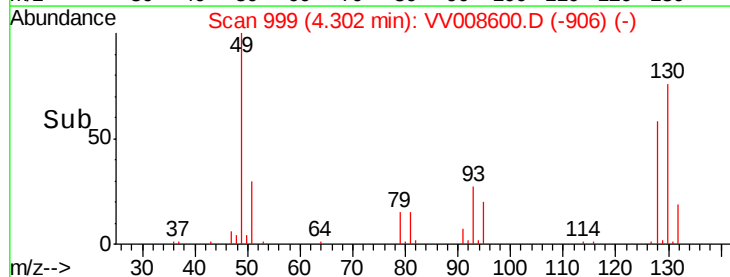
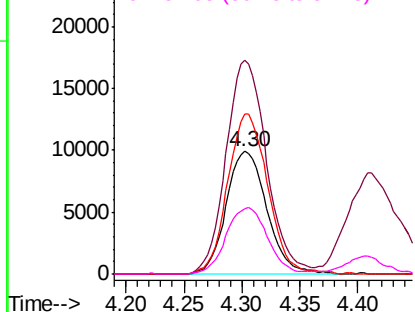
#23

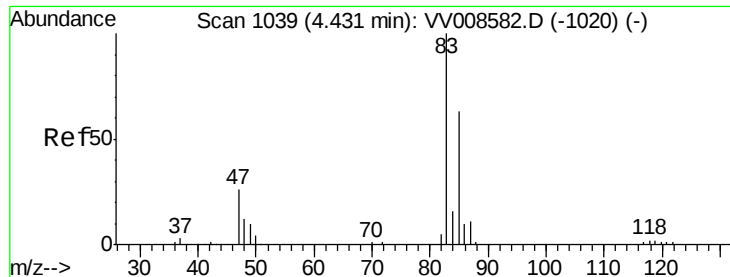
Bromochloromethane
 Concen: 5.276 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Tgt Ion: 128 Resp: 24227
 Ion Ratio Lower Upper
 128 100
 49 174.6 120.0 222.8
 130 131.1 92.3 171.3
 51 53.4 40.0 60.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

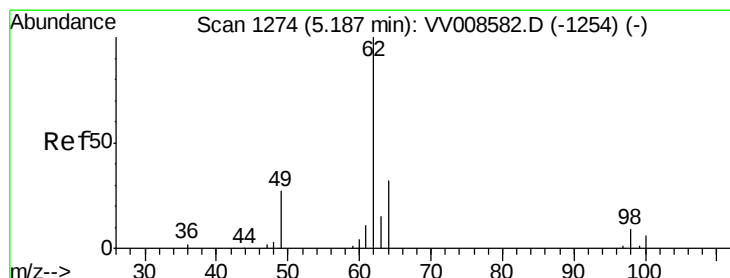
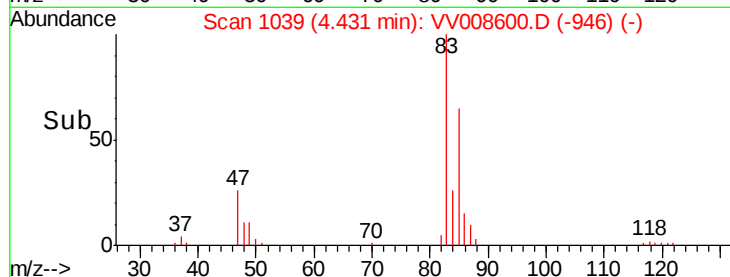
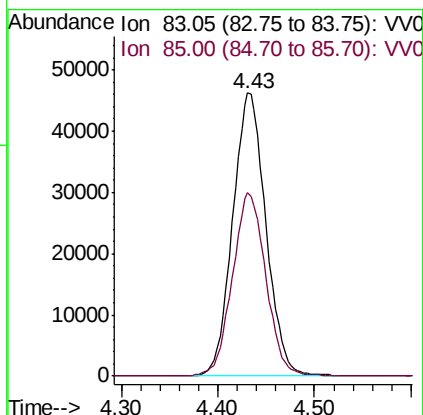
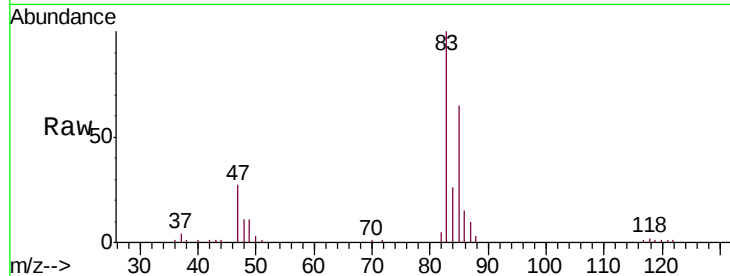




#25
Chloroform
Concen: 4.356 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

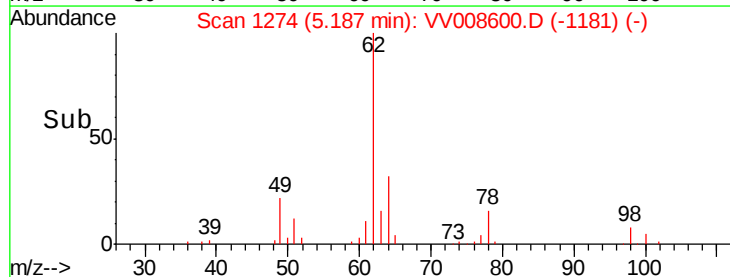
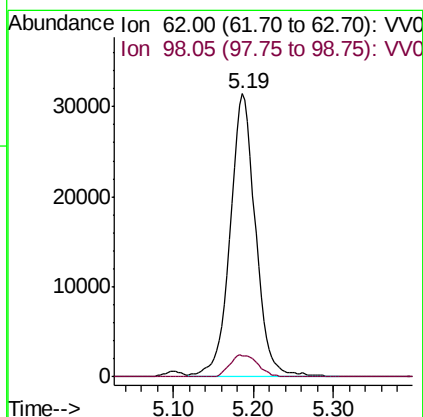
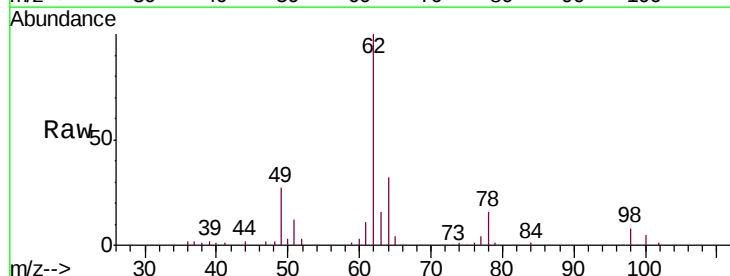
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

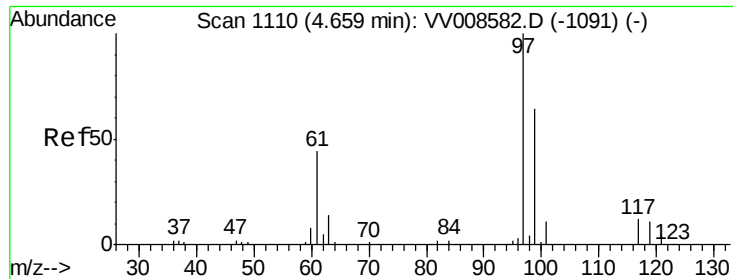
Tgt Ion: 83 Resp: 110099
Ion Ratio Lower Upper
83 100
85 64.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.417 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

Tgt Ion: 62 Resp: 68314
Ion Ratio Lower Upper
62 100
98 7.6 7.1 10.7

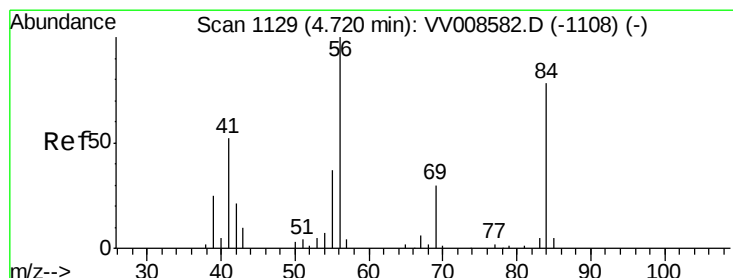
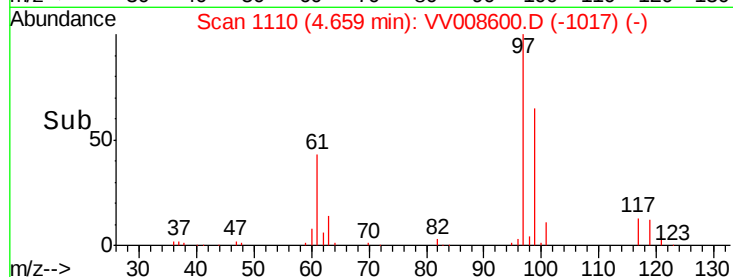
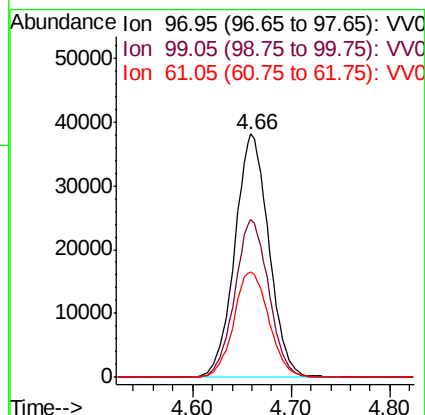
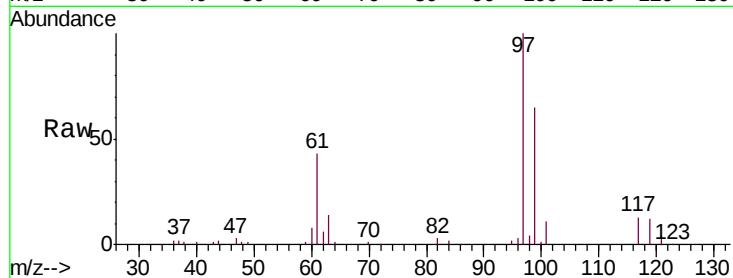




#29
 1,1,1-Trichloroethane
 Concen: 5.077 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

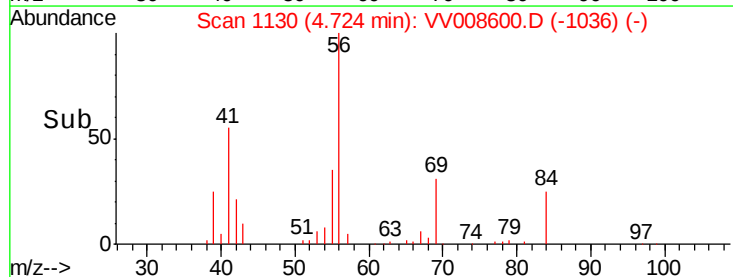
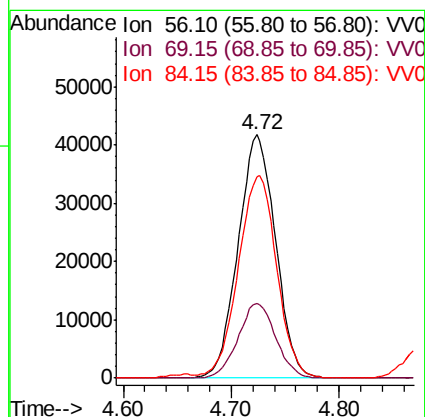
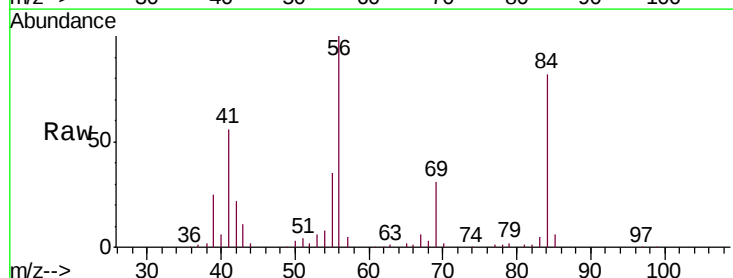
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

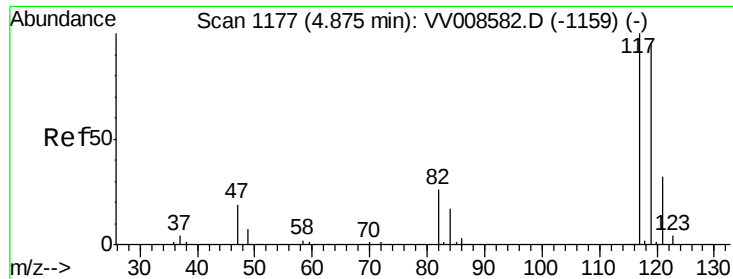
Tgt Ion: 97 Resp: 91269
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.0 76.4
 61 44.8 34.3 51.5



#30
 Cyclohexane
 Concen: 5.050 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Tgt Ion: 56 Resp: 100965
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.2 36.4
 84 85.4 65.7 98.5





#31

Carbon tetrachloride

Concen: 5.019 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

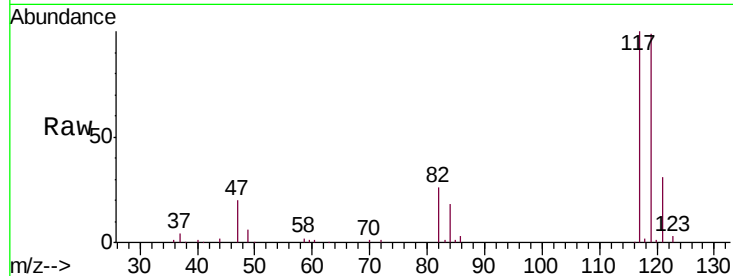
VSTD00576

Tgt Ion:117 Resp: 76731

Ion Ratio Lower Upper

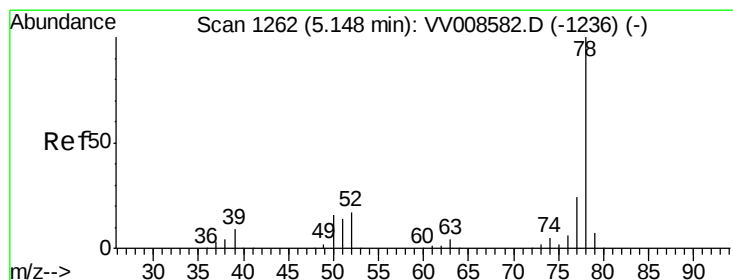
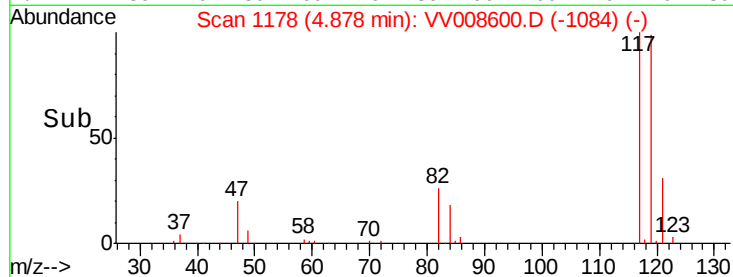
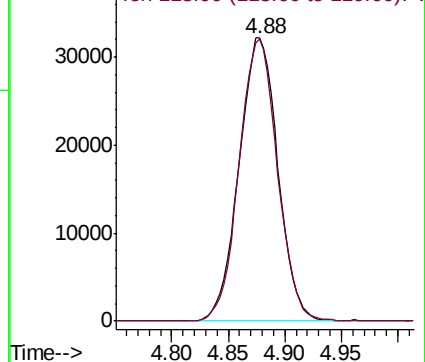
117 100

119 98.1 75.8 113.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.151 ug/L

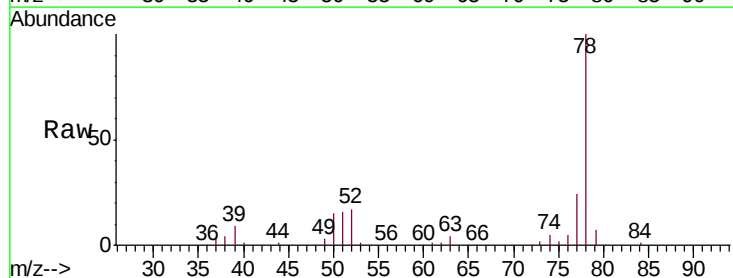
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

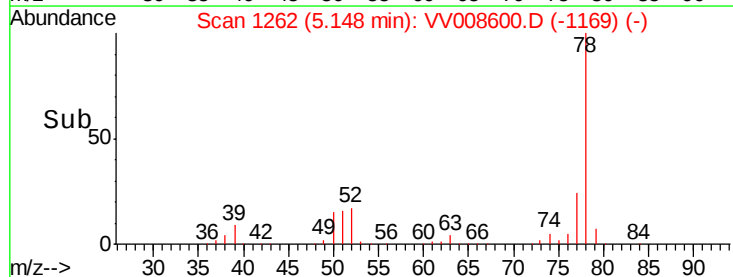
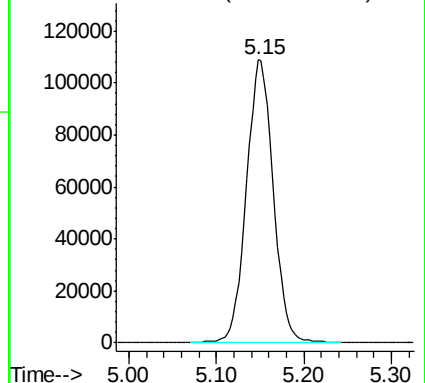
Lab File: VV008600.D

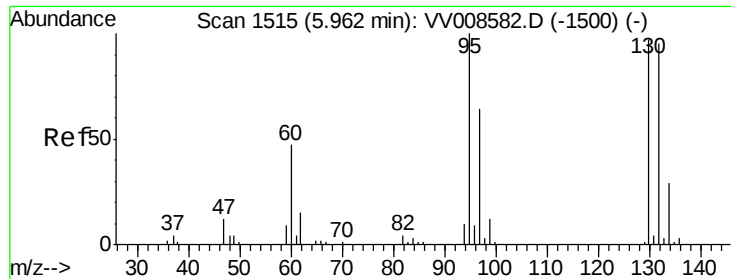
Acq: 16 Nov 2018 23:22

Tgt Ion: 78 Resp: 232553



Abundance Ion 78.10 (77.80 to 78.80): VV0

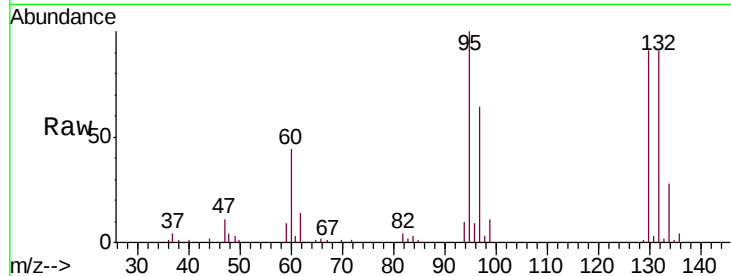




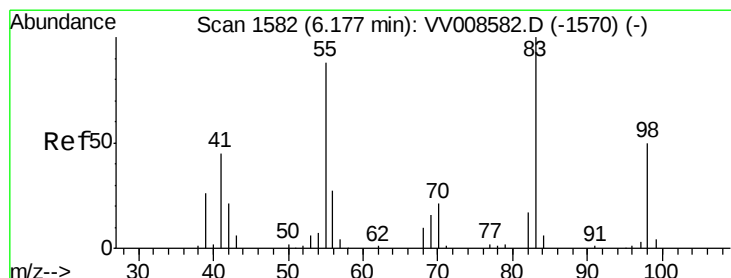
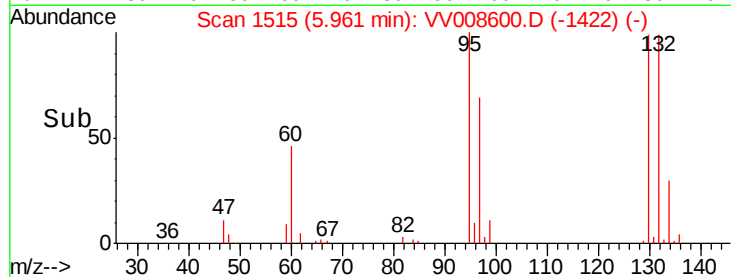
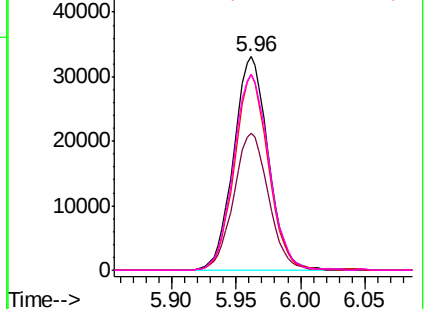
#34
 Trichloroethene
 Concen: 5.219 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion: 95 Resp: 62270
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.1 83.7
 132 91.5 66.3 123.1
 130 91.4 68.0 126.4

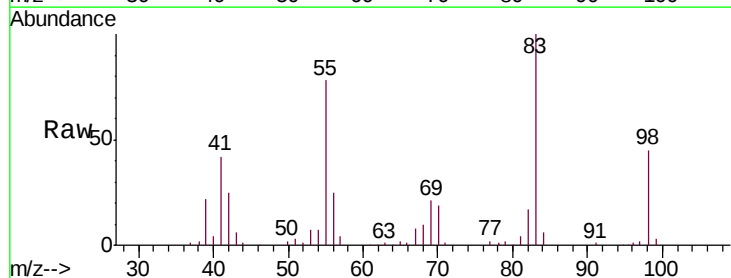


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

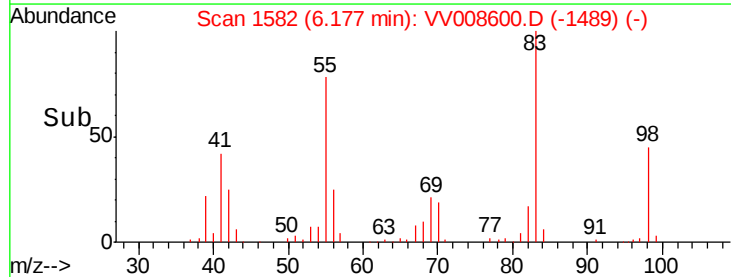
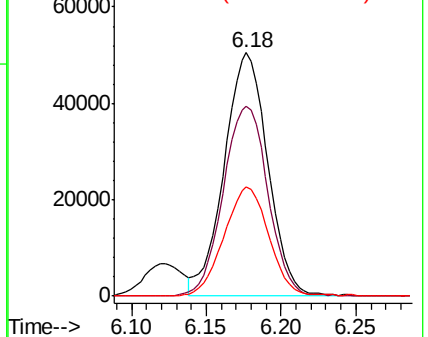


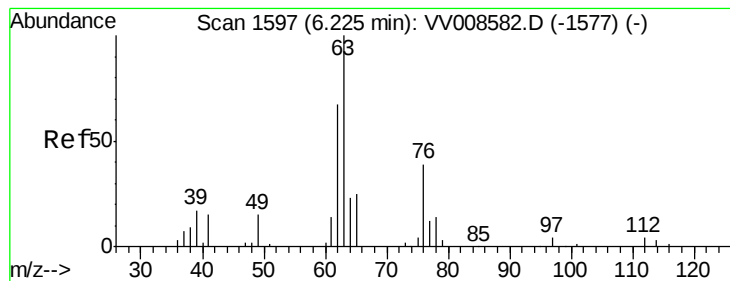
#35
 Methylcyclohexane
 Concen: 5.034 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Tgt Ion: 83 Resp: 101705
 Ion Ratio Lower Upper
 83 100
 55 80.8 65.6 98.4
 98 46.3 36.4 54.6



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.049 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

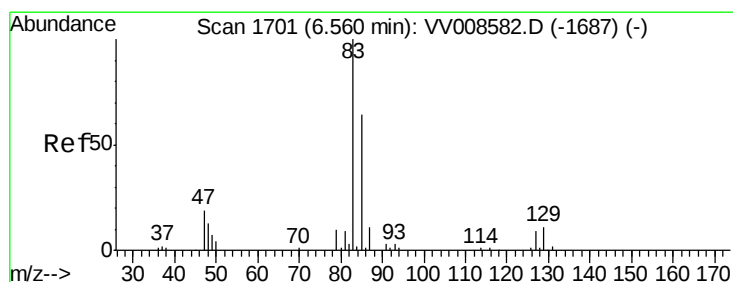
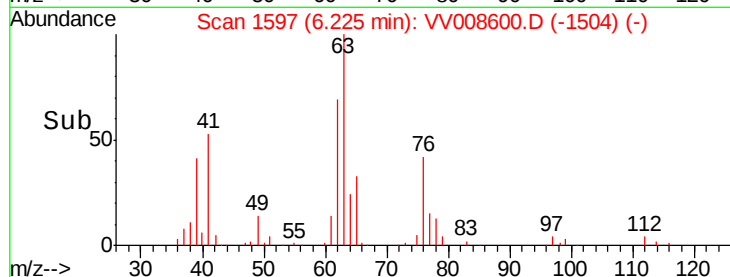
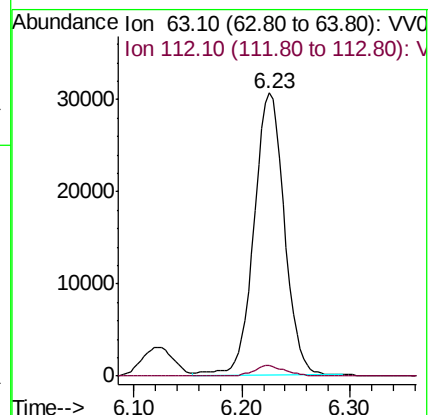
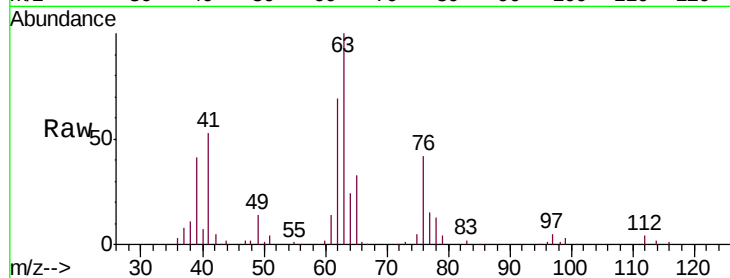
VSTD00576

Tgt Ion: 63 Resp: 59911

Ion Ratio Lower Upper

63 100

112 3.8 2.8 4.2



#38

Bromodichloromethane

Concen: 4.748 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

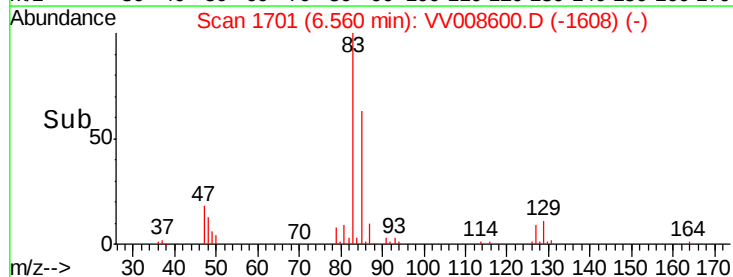
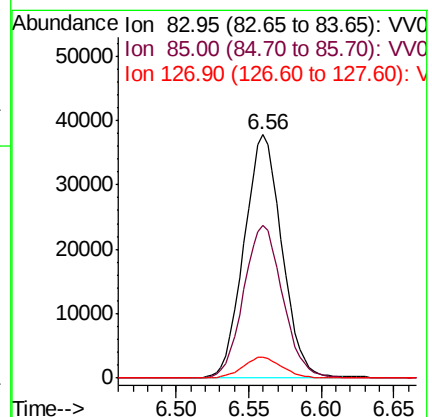
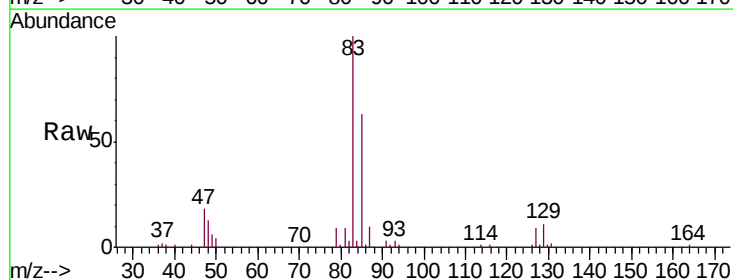
Tgt Ion: 83 Resp: 68729

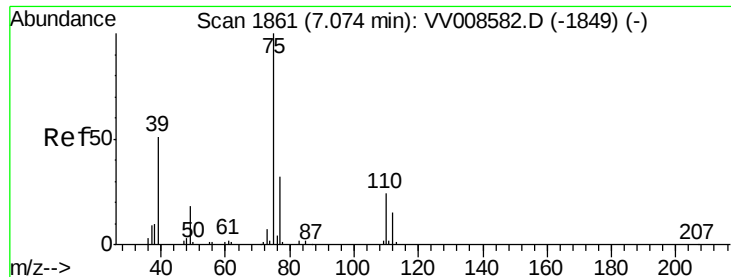
Ion Ratio Lower Upper

83 100

85 62.5 44.9 83.5

127 8.5 6.9 10.3

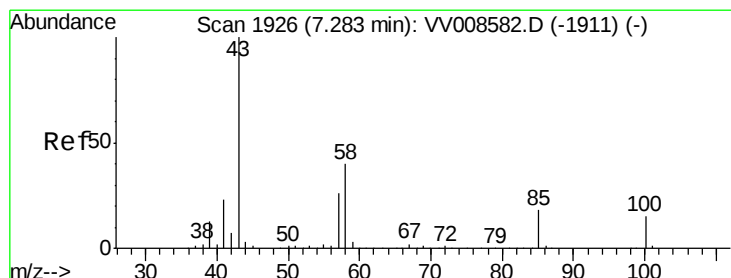
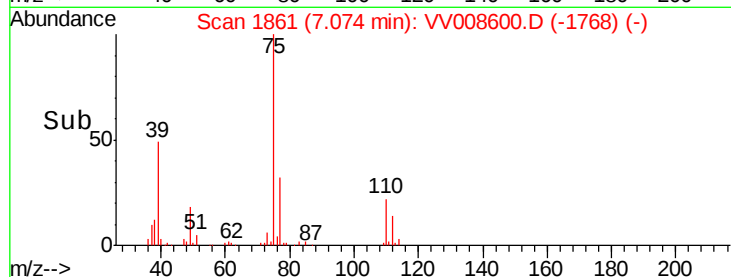
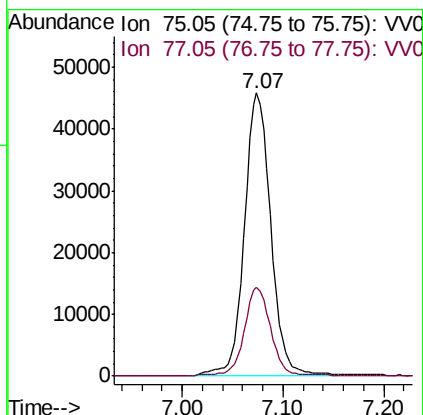
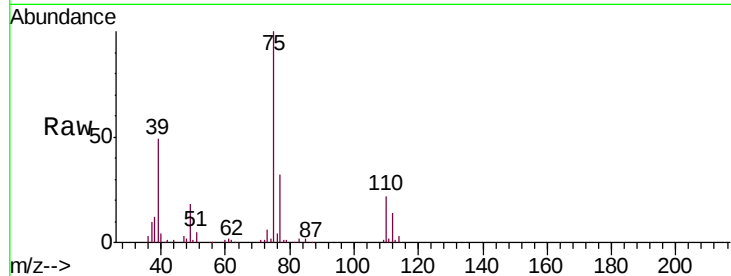




#39
 cis-1,3-Dichloropropene
 Concen: 5.196 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

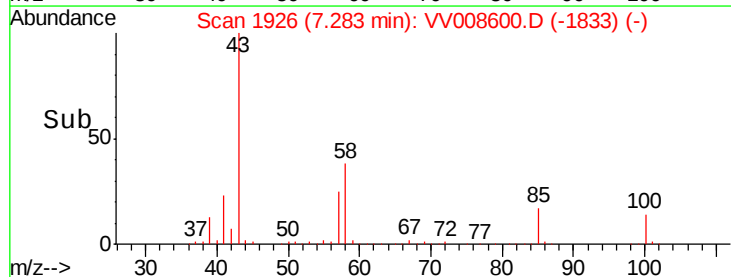
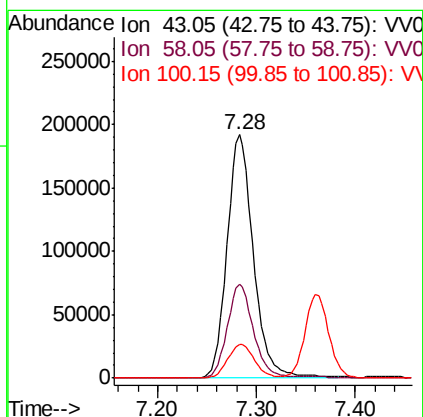
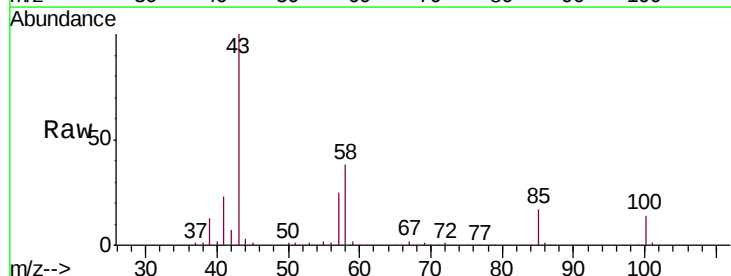
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00576

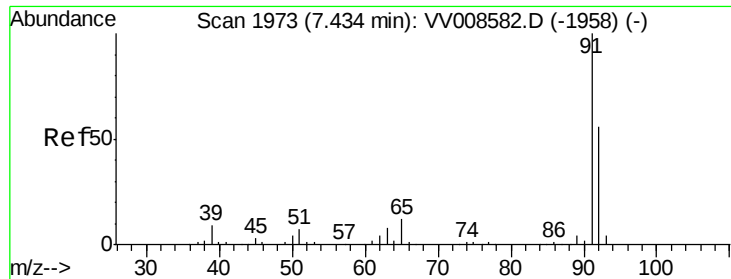
Tgt Ion: 75 Resp: 82876
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 51.836 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Tgt Ion: 43 Resp: 359999
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.0 46.4
 100 14.1 11.1 16.7





#42

Toluene

Concen: 5.176 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

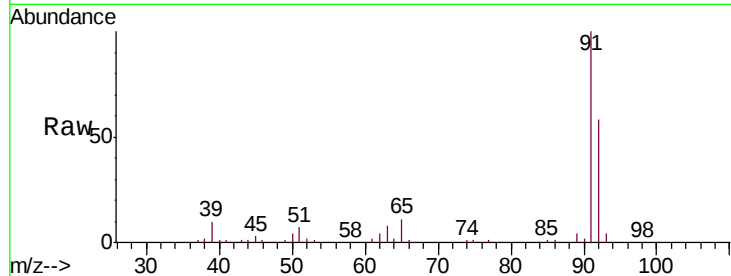
VSTD00576

Tgt Ion: 91 Resp: 243479

Ion Ratio Lower Upper

91 100

92 58.3 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV008582.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008582.D (-1958) (-)

7.43

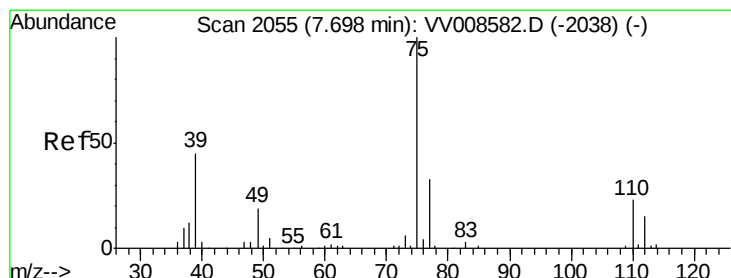
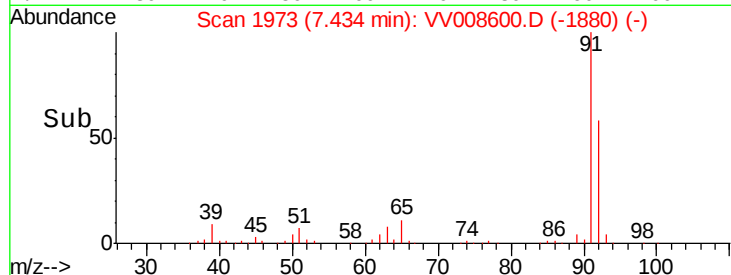
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.941 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008600.D

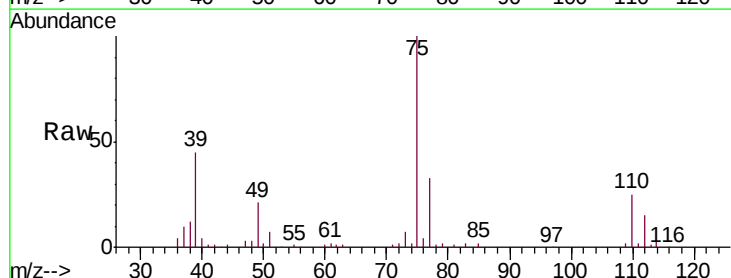
Acq: 16 Nov 2018 23:22

Tgt Ion: 75 Resp: 64198

Ion Ratio Lower Upper

75 100

77 32.5 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV008582.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008582.D (-2038) (-)

7.70

40000

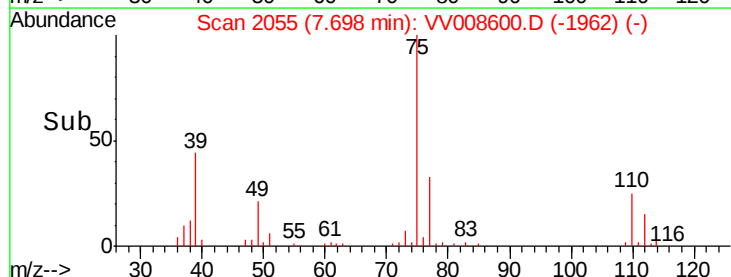
30000

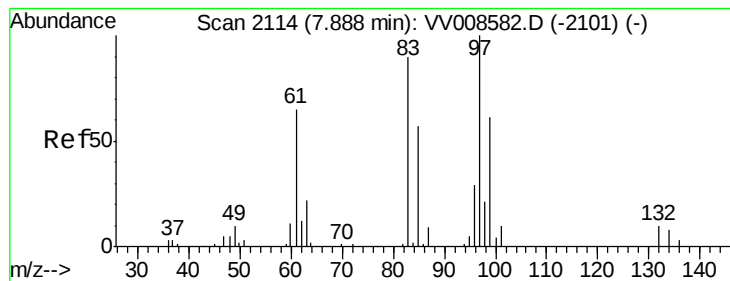
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.177 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

Tgt Ion: 97 Resp: 39089

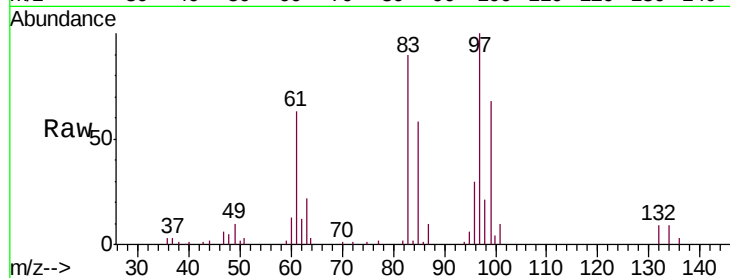
Ion Ratio Lower Upper

97 100

99 67.6 43.0 79.8

83 89.8 63.0 117.0

85 58.0 40.1 74.5

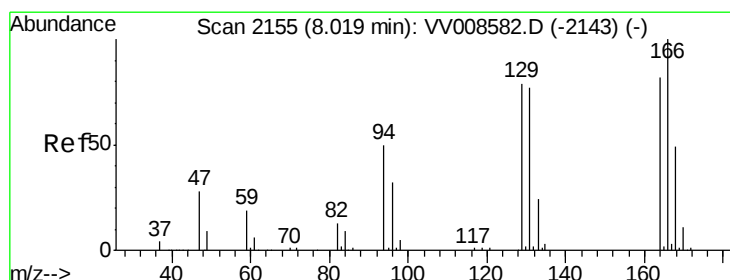
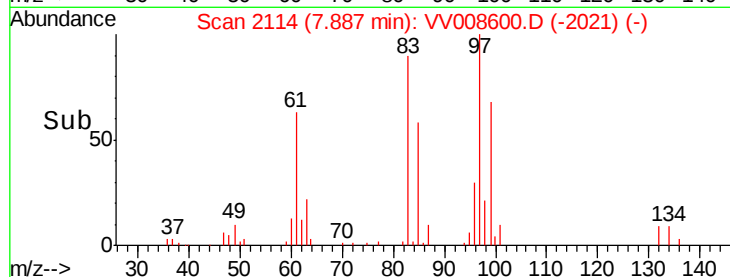
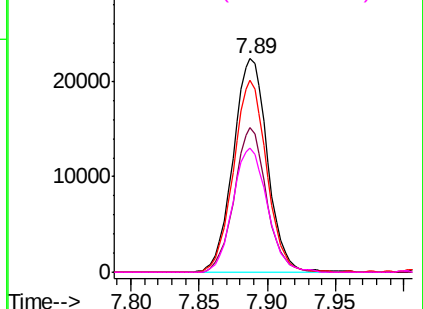


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.145 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Tgt Ion: 164 Resp: 44418

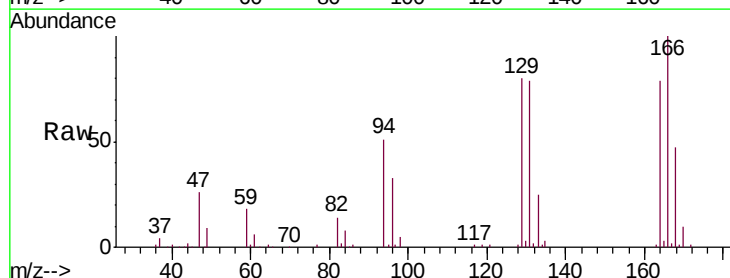
Ion Ratio Lower Upper

164 100

129 101.0 67.5 125.4

131 99.2 66.4 123.4

166 126.3 85.8 159.3

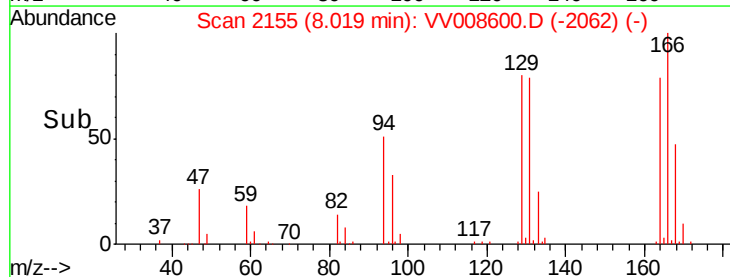
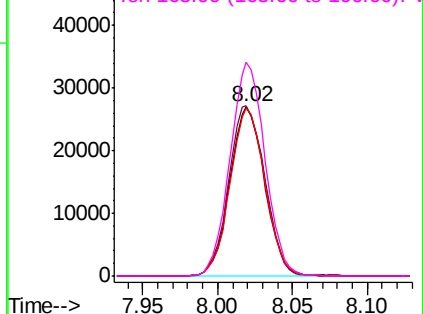


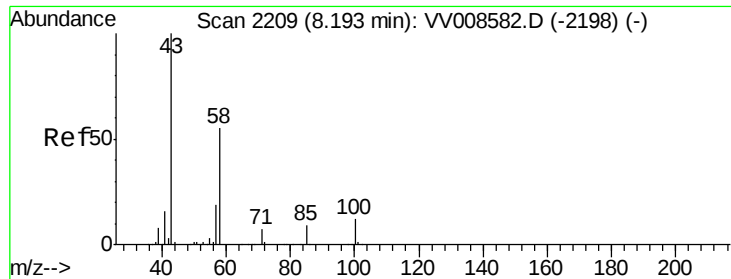
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

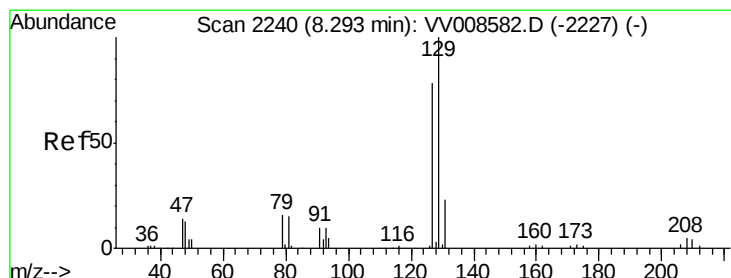
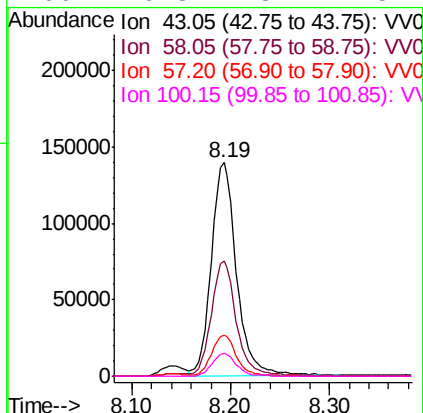
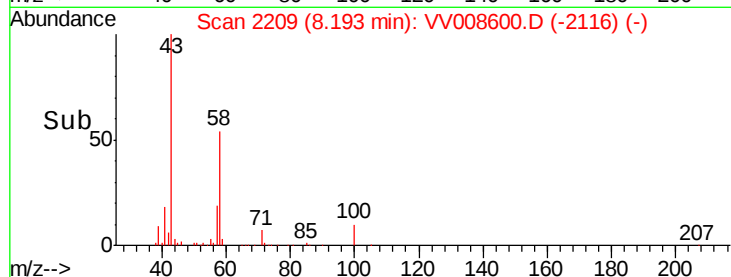
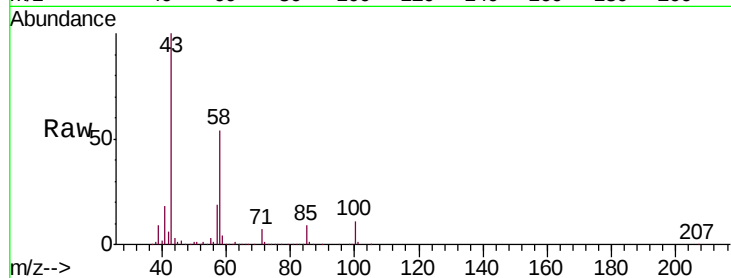




#48
2-Hexanone
Concen: 52.870 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

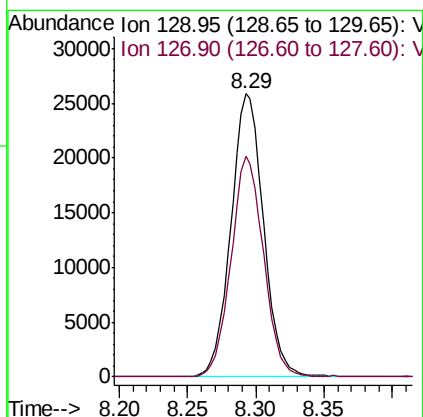
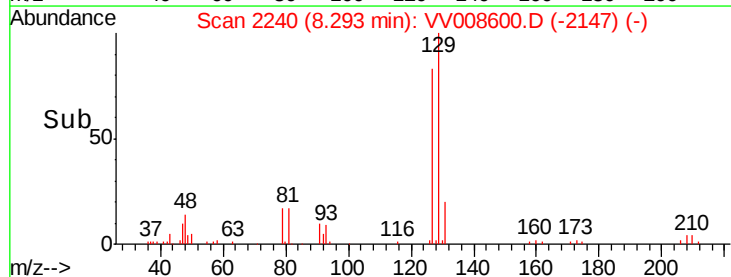
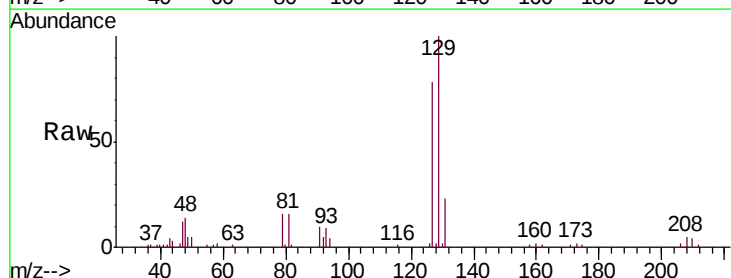
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

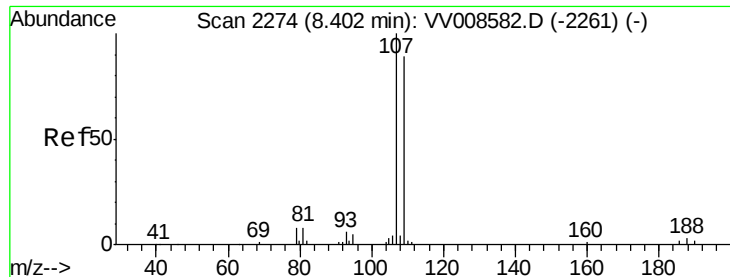
Tgt Ion: 43 Resp: 247828
Ion Ratio Lower Upper
43 100
58 53.5 41.8 62.8
57 18.7 15.4 23.0
100 10.8 8.7 13.1



#49
Dibromochloromethane
Concen: 4.985 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

Tgt Ion: 129 Resp: 42812
Ion Ratio Lower Upper
129 100
127 78.1 54.6 101.4

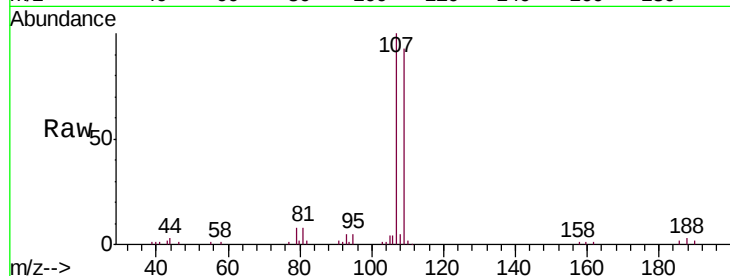




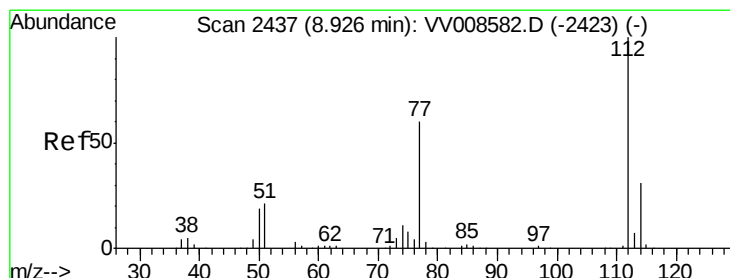
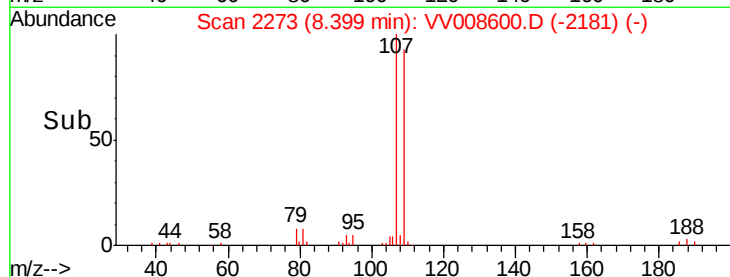
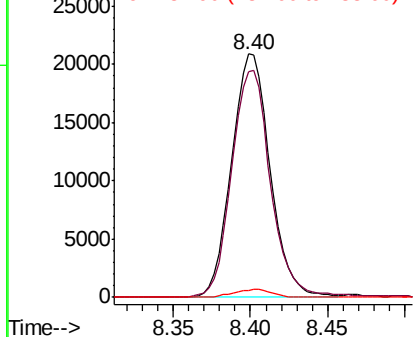
#50
1,2-Dibromoethane
Concen: 5.305 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

Instrument :
MSVOA_V
ClientSampled :
VSTD00576

Tgt Ion:107 Resp: 36204
Ion Ratio Lower Upper
107 100
109 92.6 62.1 115.3
188 3.0 2.2 3.4

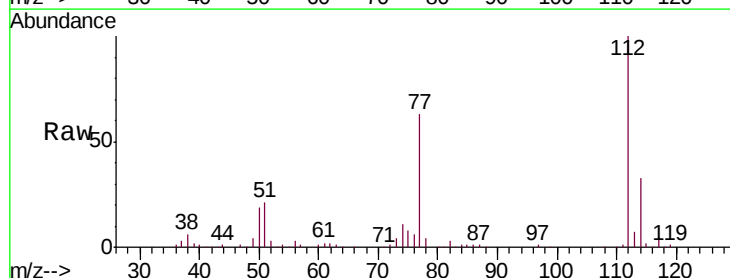


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

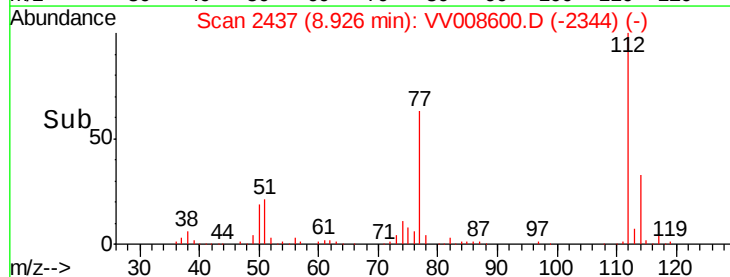
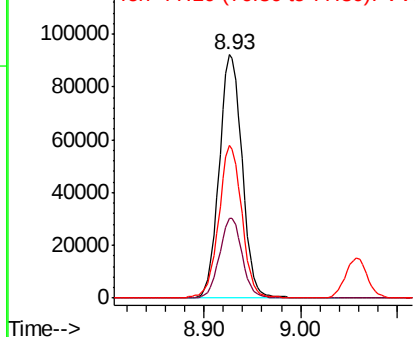


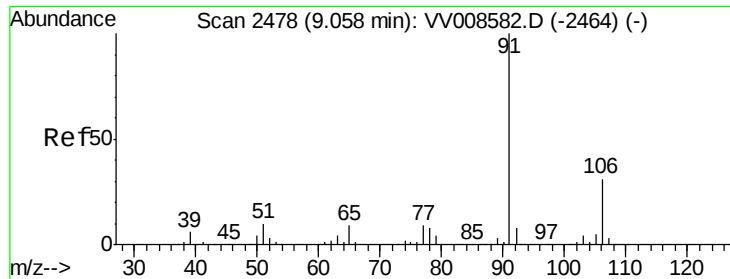
#51
Chlorobenzene
Concen: 5.230 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

Tgt Ion:112 Resp: 151791
Ion Ratio Lower Upper
112 100
114 32.5 21.9 40.7
77 62.5 47.9 71.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.201 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

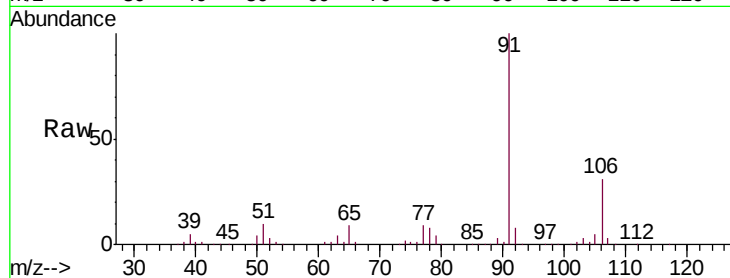
VSTD00576

Tgt Ion: 91 Resp: 269297

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV008600.D (-2385) (-)

Ion 106.15 (105.85 to 106.85): VV008600.D (-2385) (-)

200000

150000

100000

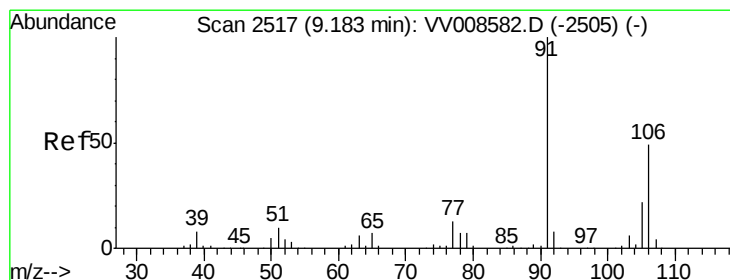
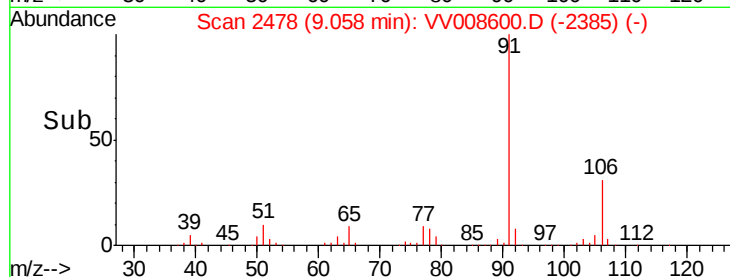
50000

0

9.06

9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.201 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008600.D

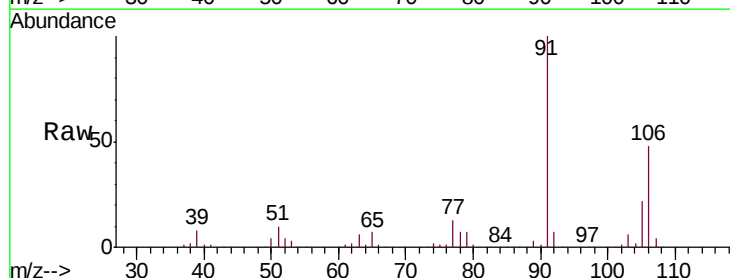
Acq: 16 Nov 2018 23:22

Tgt Ion: 106 Resp: 99570

Ion Ratio Lower Upper

106 100

91 209.4 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VV008600.D (-2424) (-)

Ion 91.15 (90.85 to 91.85): VV008600.D (-2424) (-)

150000

100000

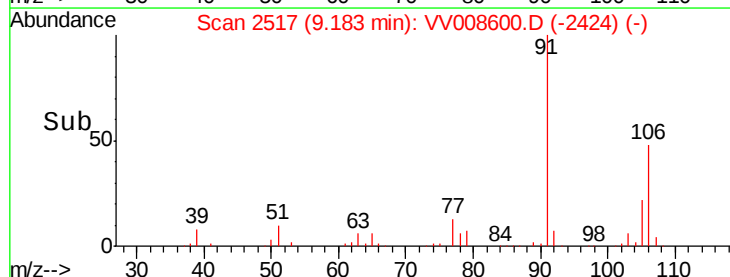
50000

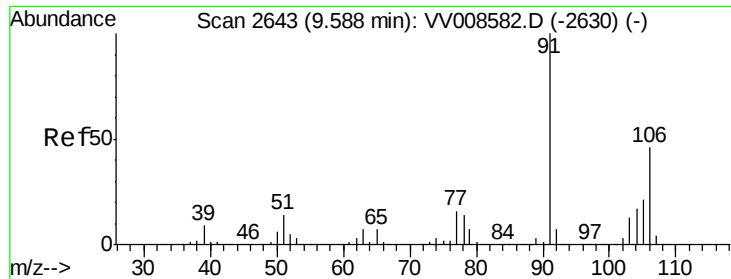
0

9.18

9.15 9.20 9.25

Time-->

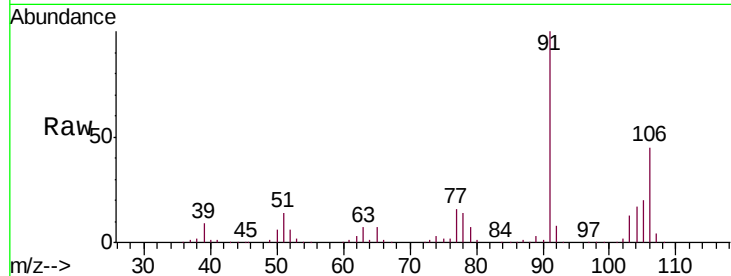




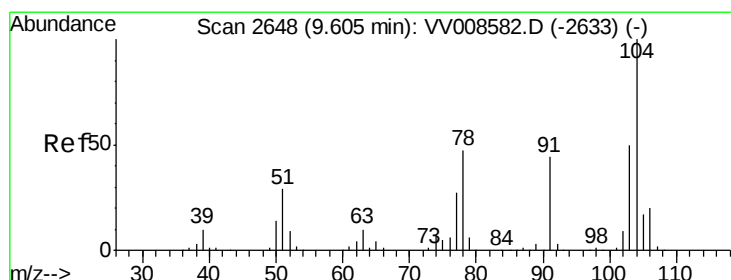
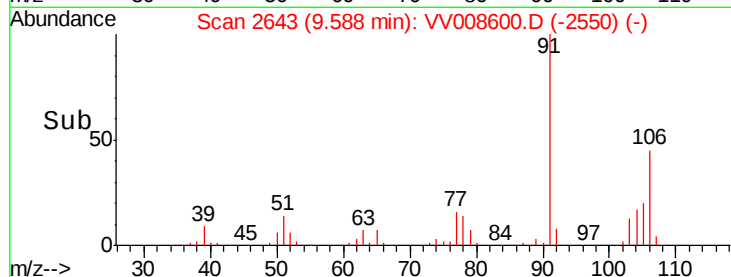
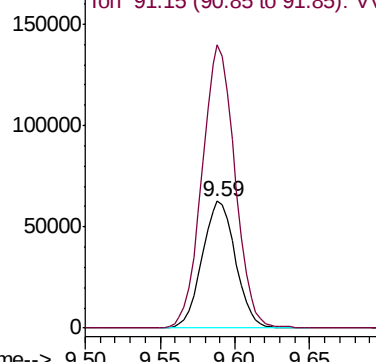
#54
o-xylene
Concen: 5.218 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Tgt Ion:106 Resp: 97203
Ion Ratio Lower Upper
106 100
91 222.9 152.9 284.1

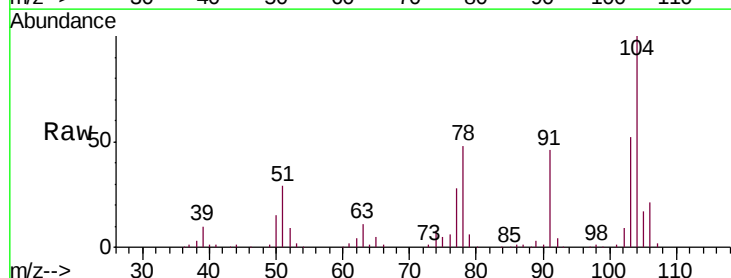


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

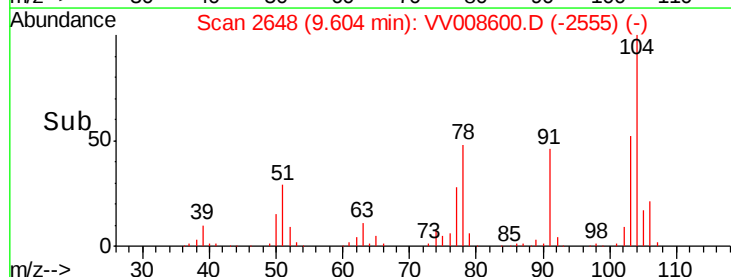
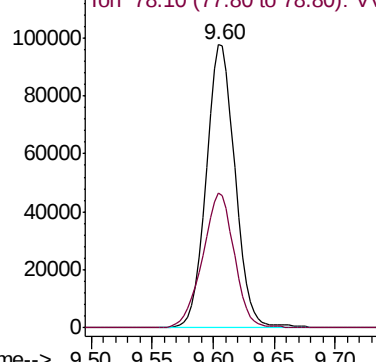


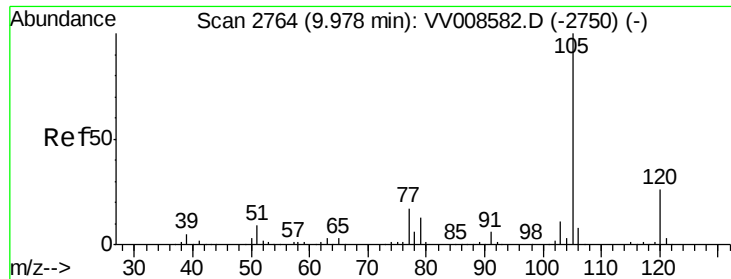
#55
Styrene
Concen: 5.334 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008600.D
Acq: 16 Nov 2018 23:22

Tgt Ion:104 Resp: 160378
Ion Ratio Lower Upper
104 100
78 47.8 32.9 61.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.213 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

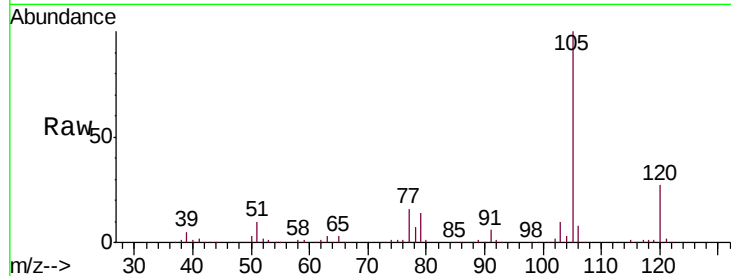
Tgt Ion: 105 Resp: 260764

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

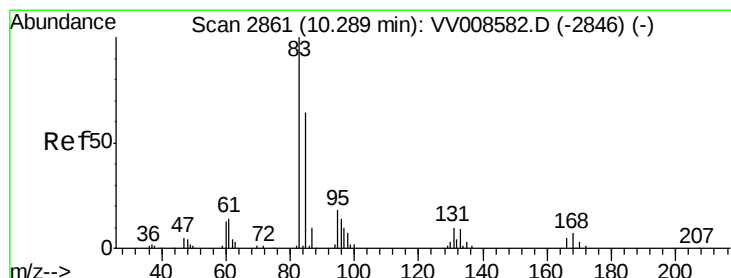
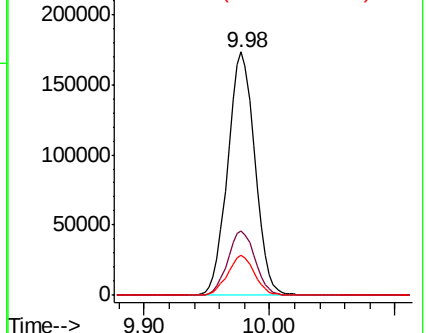
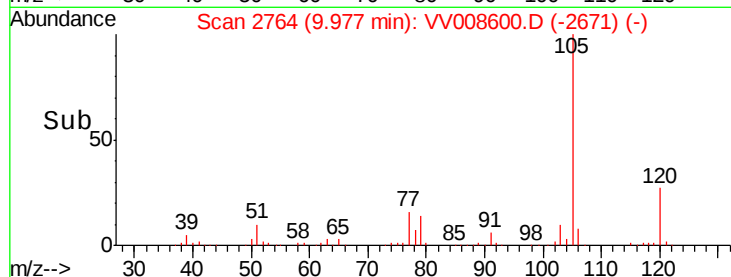
77 16.2 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.304 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

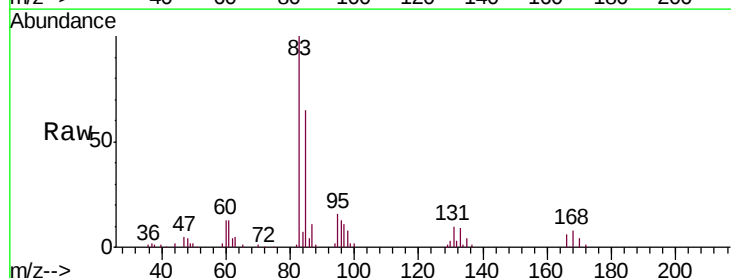
Tgt Ion: 83 Resp: 47275

Ion Ratio Lower Upper

83 100

85 64.8 44.8 83.2

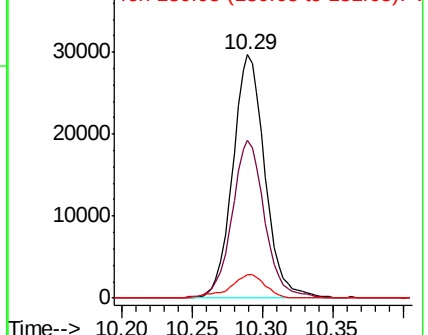
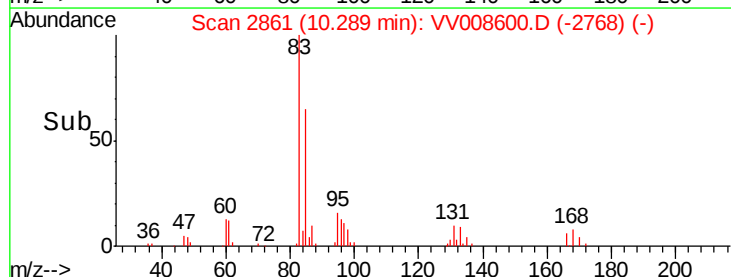
131 9.6 8.1 12.1

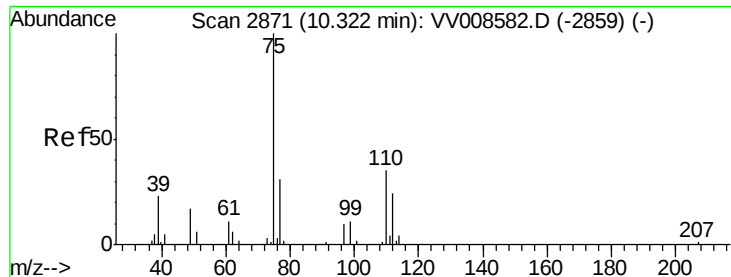


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

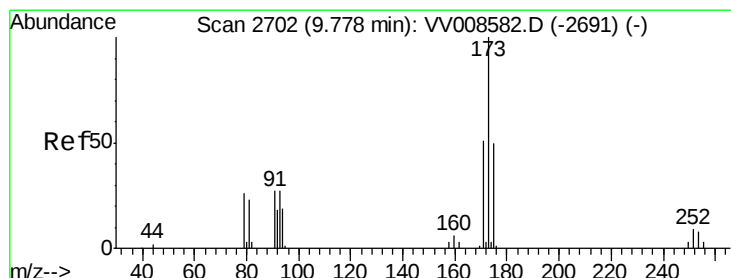
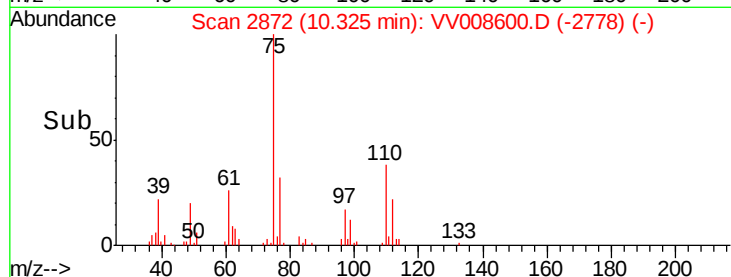
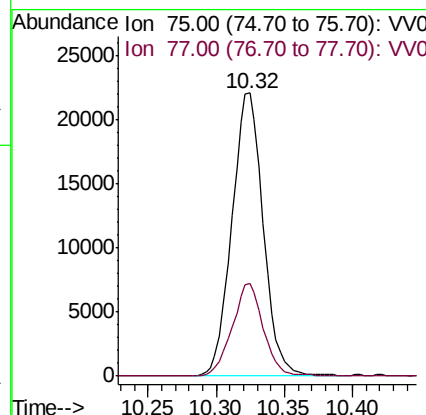
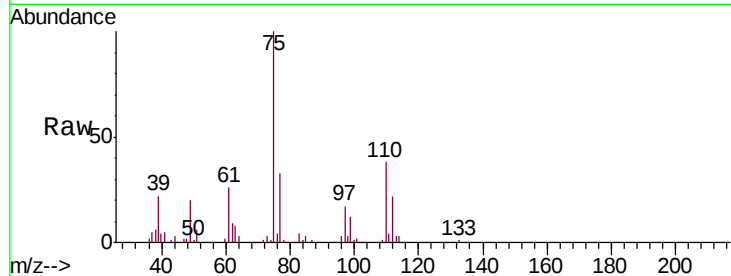




#59
 1,2,3-Trichloropropane
 Concen: 5.232 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

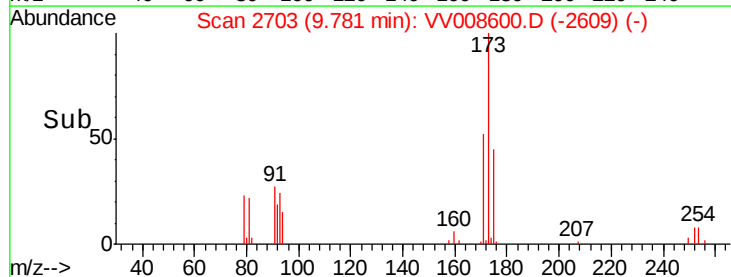
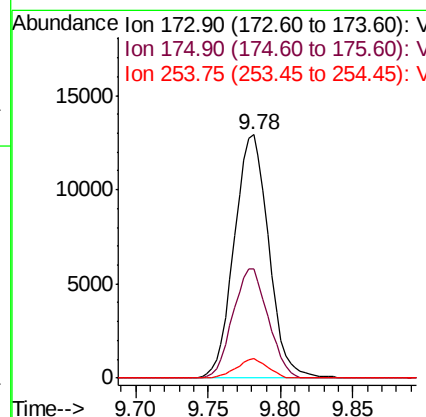
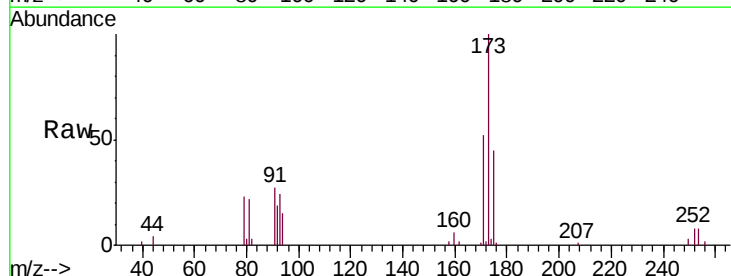
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

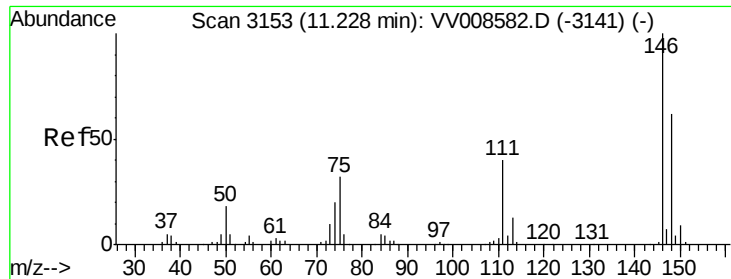
Tgt Ion: 75 Resp: 35211
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.2 37.8



#61
 Bromoform
 Concen: 4.993 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Tgt Ion: 173 Resp: 21392
 Ion Ratio Lower Upper
 173 100
 175 45.6 39.6 59.4
 254 7.2 6.2 9.4





#62

1,3-Dichlorobenzene

Concen: 5.147 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

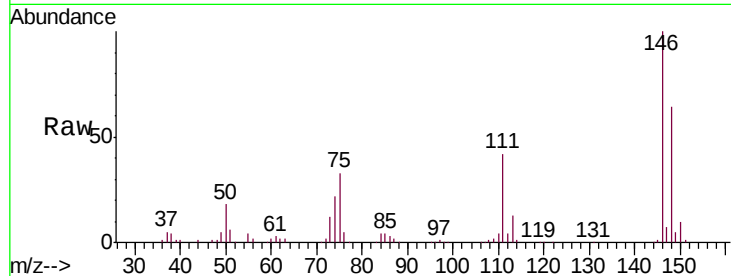
Tgt Ion:146 Resp: 111797

Ion Ratio Lower Upper

146 100

111 42.2 28.1 52.1

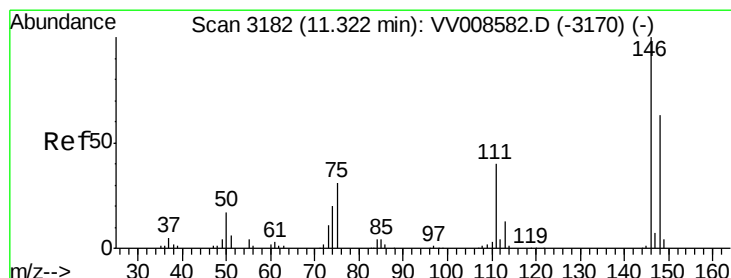
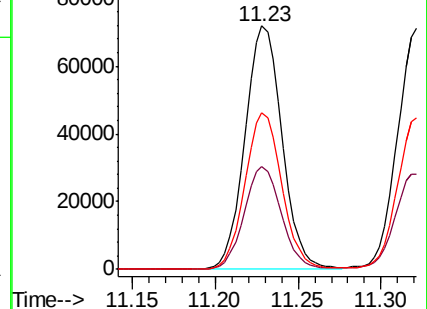
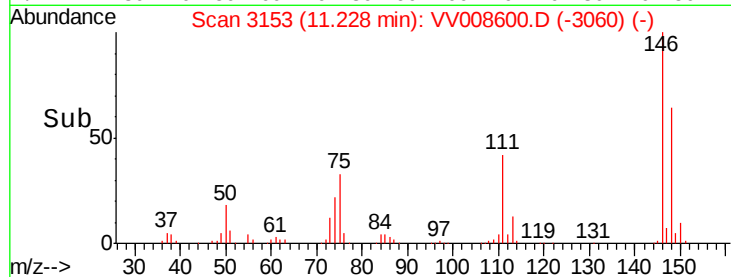
148 64.2 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.246 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

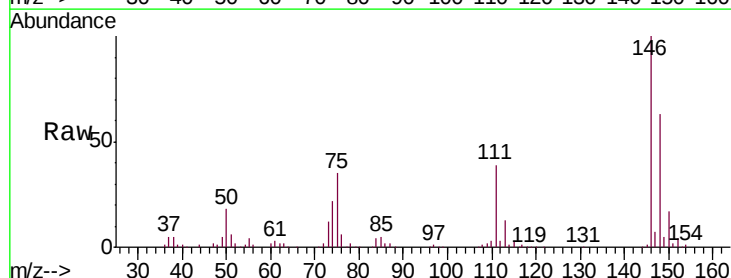
Tgt Ion:146 Resp: 112291

Ion Ratio Lower Upper

146 100

111 39.3 28.2 52.4

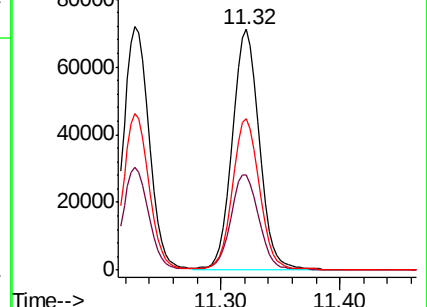
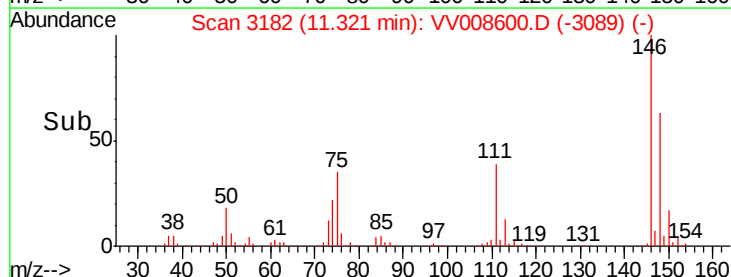
148 62.9 44.1 81.9

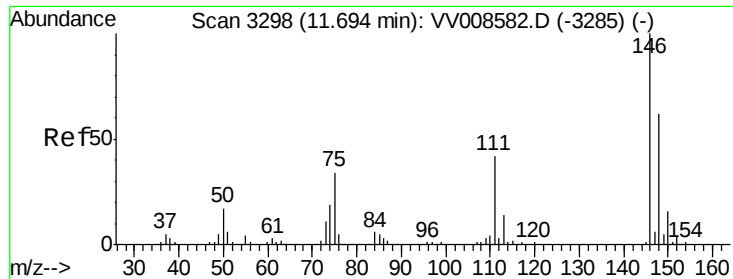


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

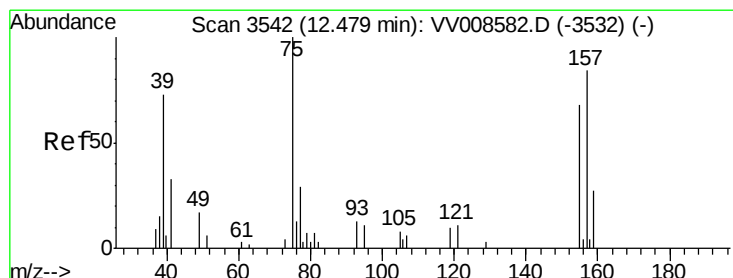
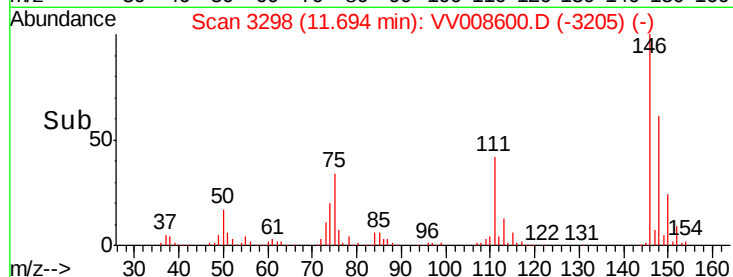
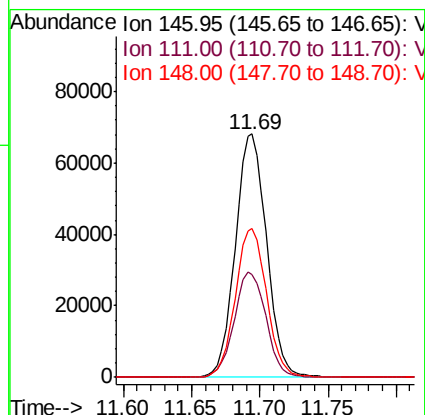
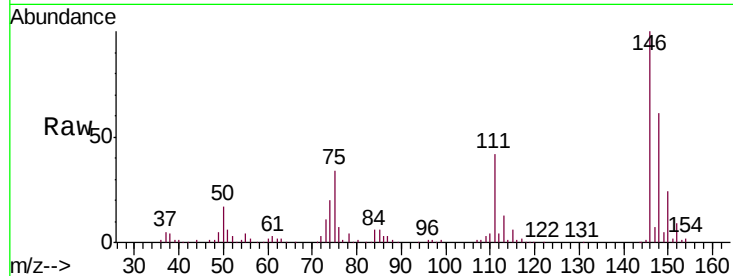




#65
 1,2-Dichlorobenzene
 Concen: 5.239 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

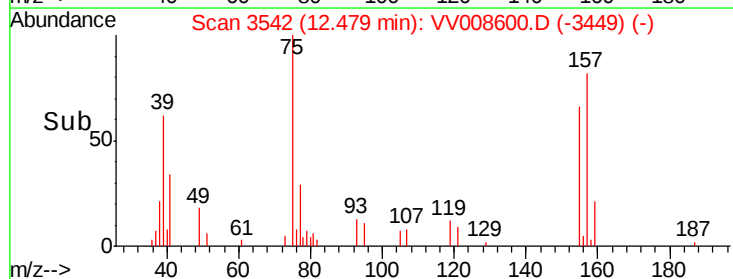
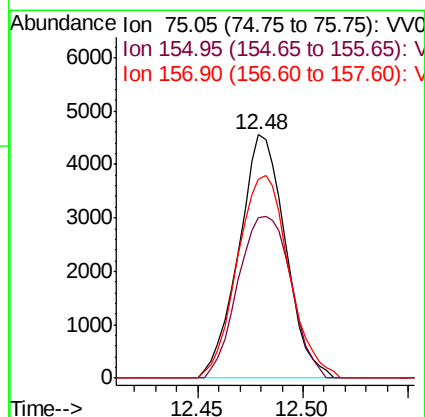
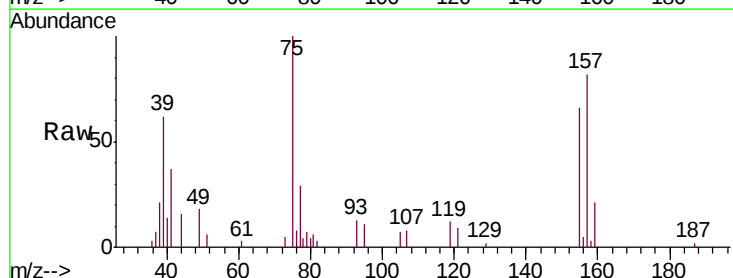
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00576

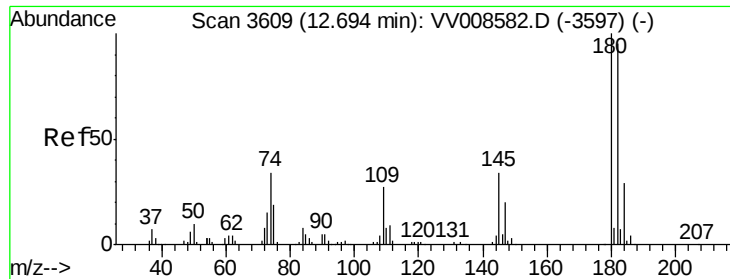
Tgt Ion: 146 Resp: 108337
 Ion Ratio Lower Upper
 146 100
 111 42.2 33.5 50.3
 148 60.9 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.281 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Tgt Ion: 75 Resp: 6989
 Ion Ratio Lower Upper
 75 100
 155 65.8 54.2 81.2
 157 81.6 67.4 101.2

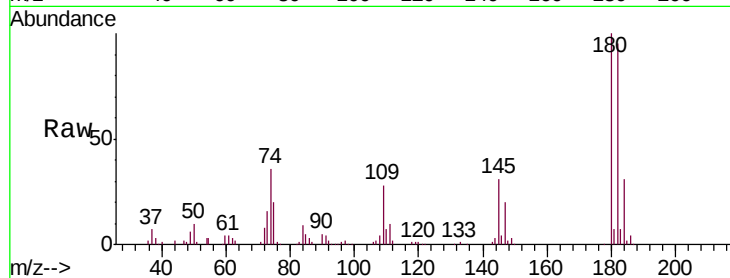




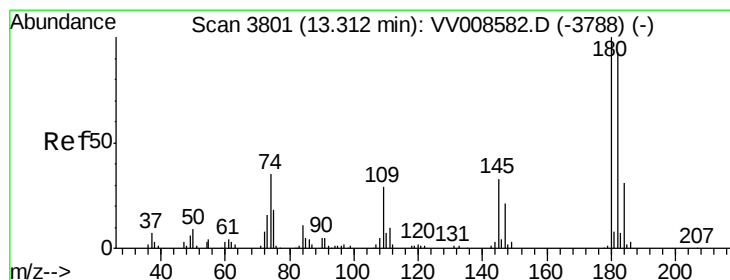
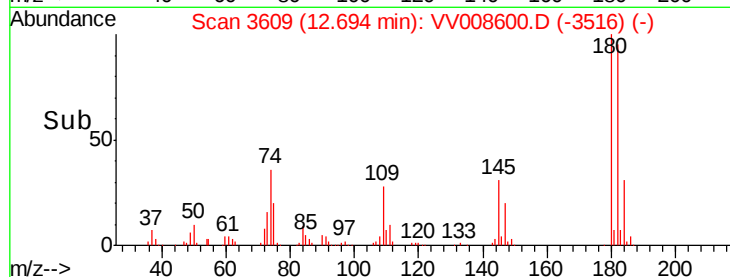
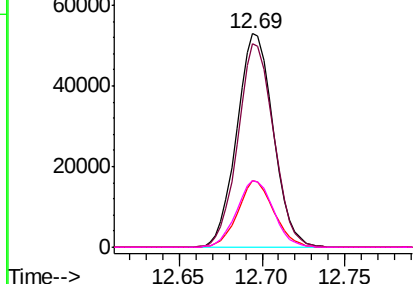
#67
 1,3,5-Trichlorobenzene
 Concen: 5.167 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion:180 Resp: 81277
 Ion Ratio Lower Upper
 180 100
 182 93.3 75.9 113.9
 184 30.6 23.9 35.9
 145 31.3 26.8 40.2

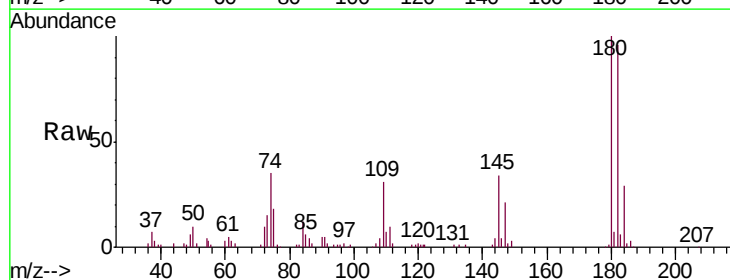


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

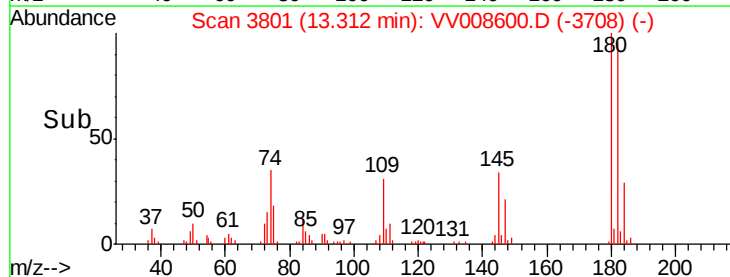
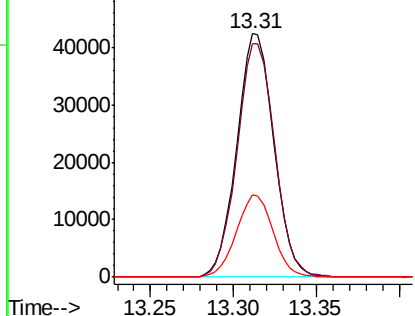


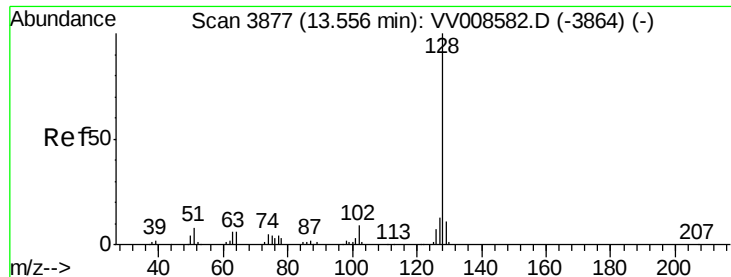
#68
 1,2,4-trichlorobenzene
 Concen: 5.207 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008600.D
 Acq: 16 Nov 2018 23:22

Tgt Ion:180 Resp: 66007
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.4 114.6
 145 33.4 27.1 40.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.333 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

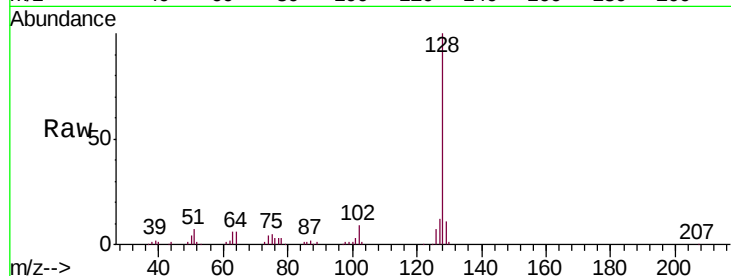
Tgt Ion:128 Resp: 109819

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

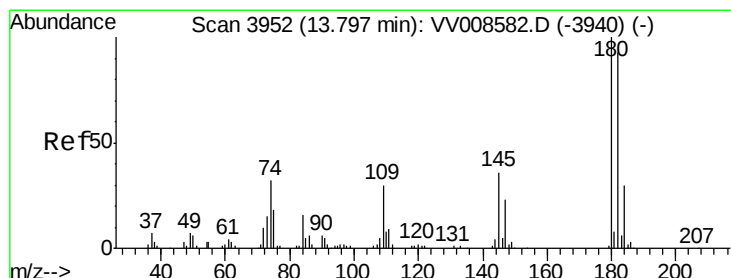
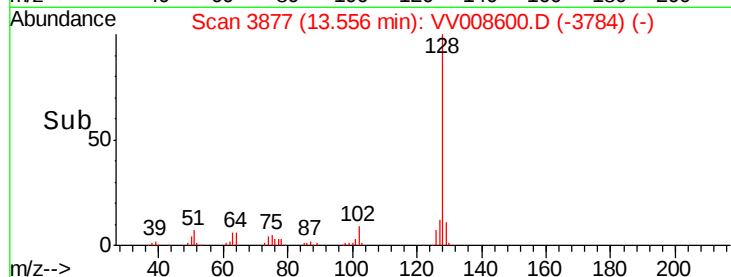
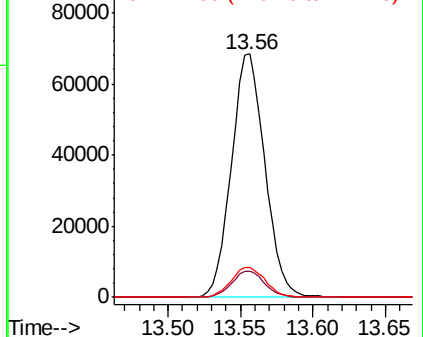
127 12.6 10.0 15.0



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: 5.414 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008600.D

Acq: 16 Nov 2018 23:22

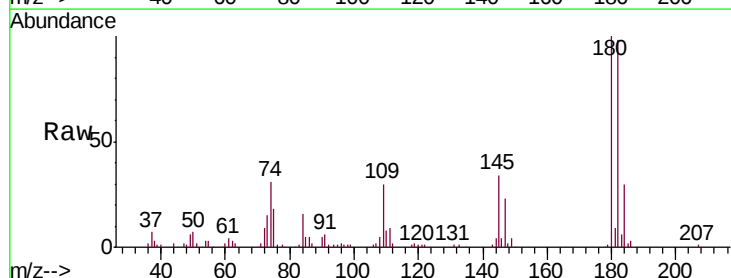
Tgt Ion:180 Resp: 63314

Ion Ratio Lower Upper

180 100

182 93.9 76.0 114.0

145 34.9 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

