

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010188.D
 Acq On : 08 Apr 2019 20:38
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

Quant Time: Apr 09 05:36:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 05:31:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	255855	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	248183	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	131892	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77157	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.12%
7) Chloroethane-d5	1.57	69	93302	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
10) 1,1-Dichloroethene-d2	2.13	63	206362	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.52%
20) 2-Butanone-d5	3.94	46	53560	54.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.90%
24) Chloroform-d	4.40	84	158975	24.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	5.08	65	91072	25.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.00%
29) Benzene-d6	5.10	84	314471	24.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.72%
33) 1,2-Dichloropropane-d6	6.12	67	93796	24.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.76%
37) Toluene-d8	7.36	98	312180	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.72%
38) trans-1,3-Dichloropropene-	7.67	79	41433	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.08%
39) 2-Hexanone-d5	8.13	63	41569	54.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	97385	26.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	126729	24.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	84089	22.723	ug/L 97
3) Chloromethane	1.25	50	72715	22.050	ug/L 99
5) Vinyl chloride	1.32	62	82819	23.057	ug/L 99
6) Bromomethane	1.53	94	84276	20.742	ug/L 100
8) Chloroethane	1.59	64	85137	27.114	ug/L 99
9) Trichlorofluoromethane	1.76	101	197178	26.632	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	108888	26.447	ug/L 100
12) 1,1-Dichloroethene	2.14	96	86516	24.733	ug/L 98
13) Acetone	2.20	43	54048	56.087	ug/L 97
14) Carbon disulfide	2.32	76	156323	21.534	ug/L 99
15) Methyl Acetate	2.47	43	38610	25.040	ug/L 95
16) Methylene chloride	2.54	84	82857	18.432	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	206862	27.613	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	74091	24.249	ug/L 98
19) 1,1-Dichloroethane	3.23	63	136920	26.375	ug/L 99
21) 2-Butanone	4.04	43	53845	51.021	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	88405	26.058	ug/L 97

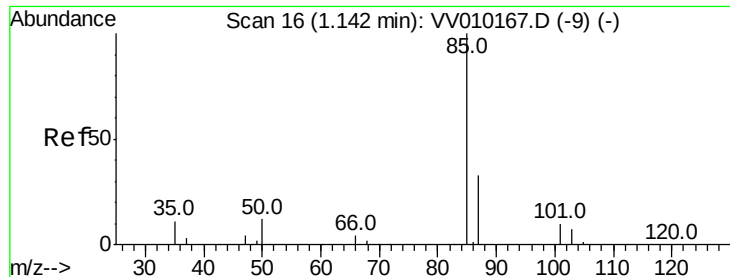
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	43211	26.251	ug/L	91
25) Chloroform	4.43	83	156843	26.961	ug/L	99
27) 1,2-Dichloroethane	5.18	62	108200	27.266	ug/L	100
30) Cyclohexane	4.73	56	106443	23.759	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	131760	26.032	ug/L	99
32) Carbon tetrachloride	4.88	117	124673	27.558	ug/L	100
34) Benzene	5.15	78	308822	25.445	ug/L	100
35) Trichloroethene	5.96	95	88273	25.269	ug/L	99
36) Methylcyclohexane	6.18	83	130641	24.963	ug/L	98
40) 1,2-Dichloropropane	6.22	63	80917	26.387	ug/L	100
41) Bromodichloromethane	6.56	83	108888	27.304	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	122847	27.675	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	128107	56.463	ug/L	99
44) Toluene	7.43	91	354180	26.002	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	106598	28.236	ug/L	93
46) 1,1,2-Trichloroethane	7.88	97	75100	27.619	ug/L	98
47) Tetrachloroethene	8.02	164	74587	25.508	ug/L	98
49) 2-Hexanone	8.19	43	89472	55.210	ug/L	99
50) Dibromochloromethane	8.29	129	86694	28.442	ug/L	97
51) 1,2-Dibromoethane	8.40	107	71521	26.615	ug/L	95
52) Chlorobenzene	8.93	112	244221	26.286	ug/L	99
53) Ethylbenzene	9.06	91	391079	26.183	ug/L	99
54) m,p-Xylene	9.18	106	157935	27.167	ug/L	96
55) o-xylene	9.59	106	151337	26.870	ug/L	93
56) Styrene	9.60	104	260062	27.913	ug/L	100
57) Isopropylbenzene	9.98	105	408491	27.501	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	94207	26.975	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	70218	28.040	ug/L	100
62) Bromoform	9.78	173	50417	27.179	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	202157	26.113	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	210488	26.102	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	195270	25.676	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13996	27.142	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	159006	27.659	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	123283	28.004	ug/L	99
69) Naphthalene	13.55	128	203753	27.819	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	122747	29.865	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 22.723 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

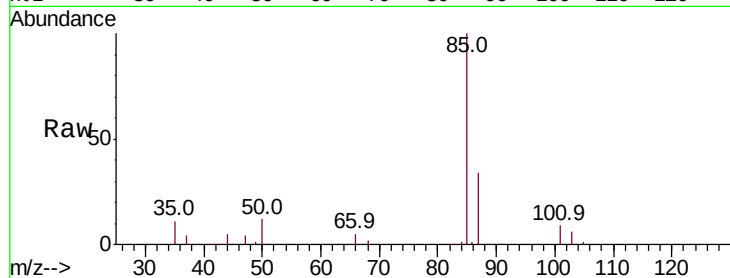
VSTD02586

Tot Ion: 85 Resp: 84089

Ion Ratio Lower Upper

85 100

87 33.9 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VV010167.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV010167.D (-9) (-)

1.14

80000

60000

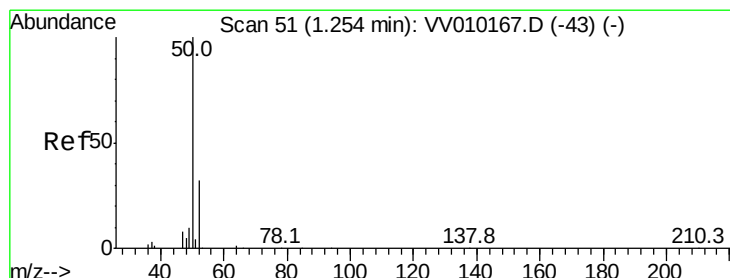
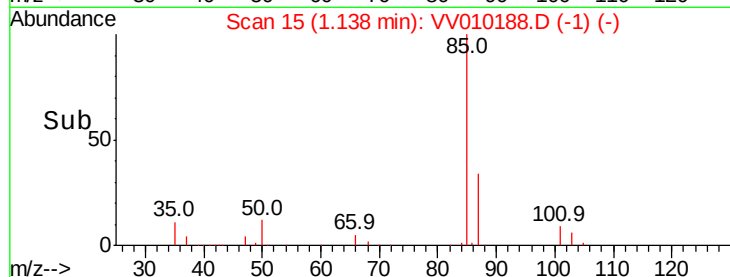
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 22.050 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010188.D

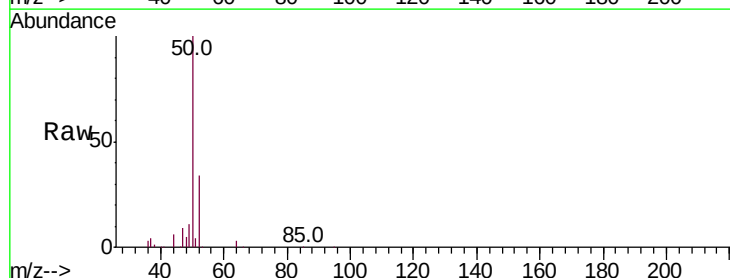
Acq: 08 Apr 2019 20:38

Tgt Ion: 50 Resp: 72715

Ion Ratio Lower Upper

50 100

52 34.0 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV010167.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV010167.D (-43) (-)

1.25

60000

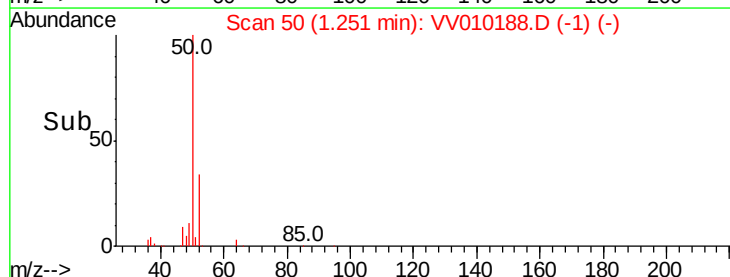
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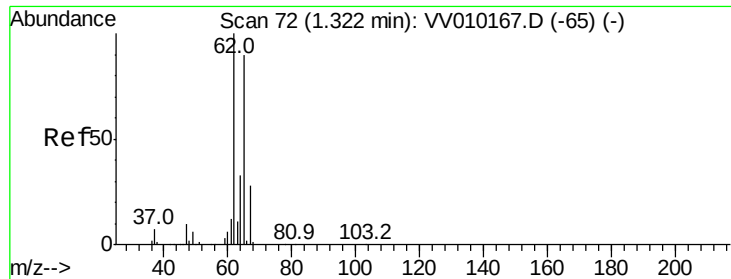
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 23.057 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

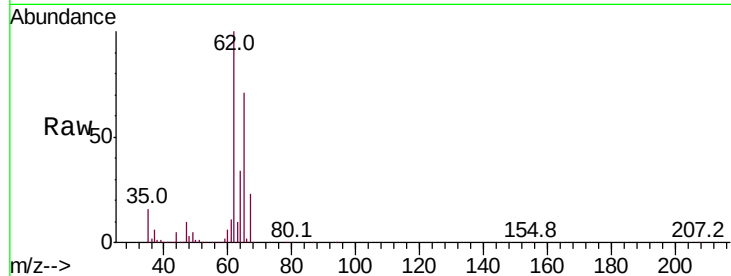
VSTD02586

Tot Ion: 62 Resp: 82819

Ion Ratio Lower Upper

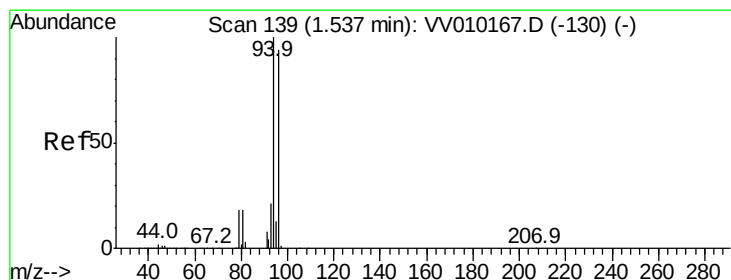
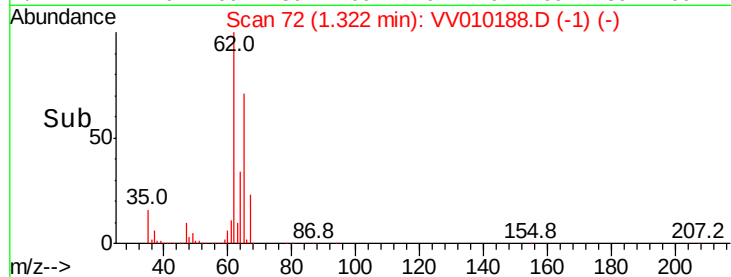
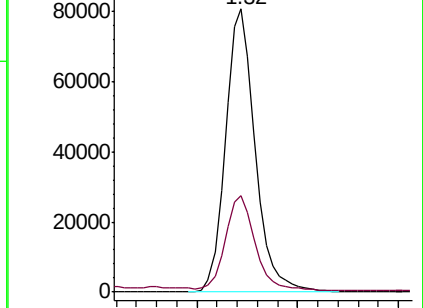
62 100

64 34.0 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 20.742 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.01 min

Lab File: VV010188.D

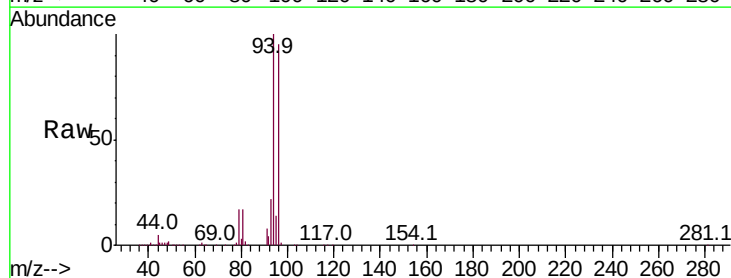
Acq: 08 Apr 2019 20:38

Tgt Ion: 94 Resp: 84276

Ion Ratio Lower Upper

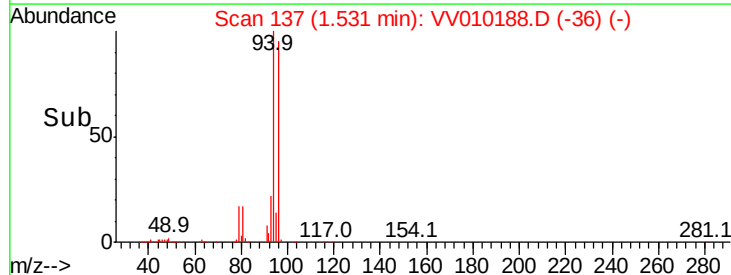
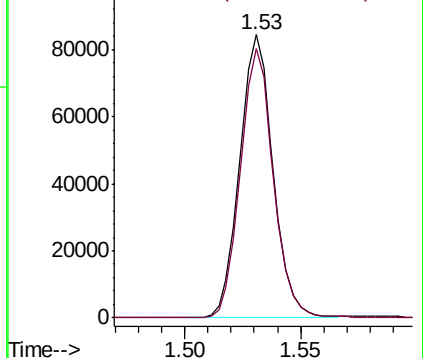
94 100

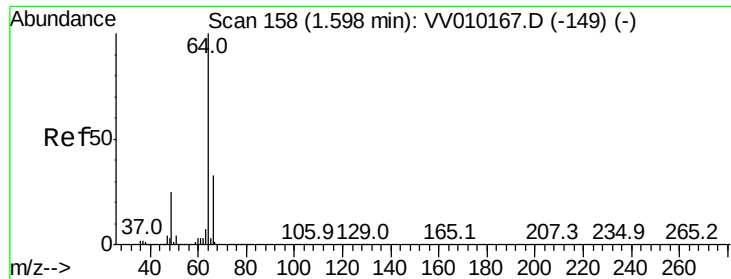
96 94.0 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

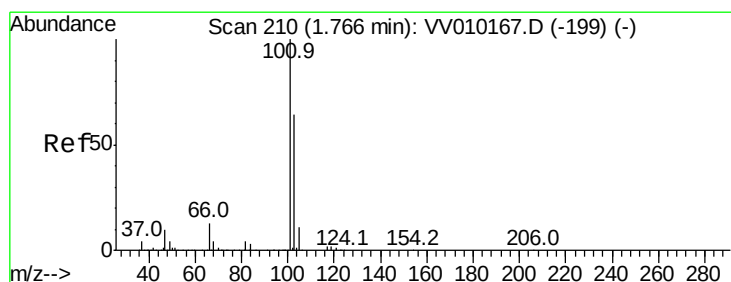
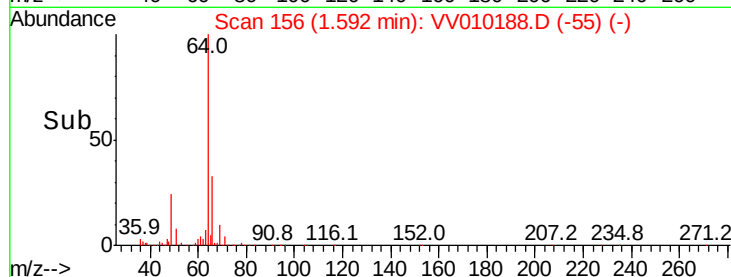
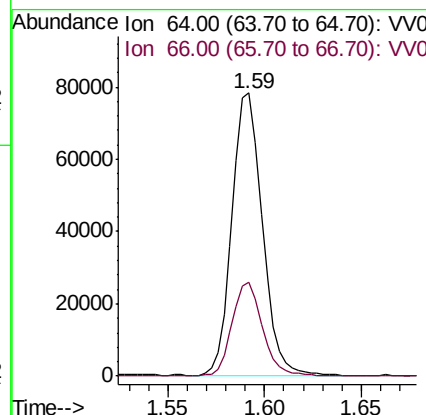
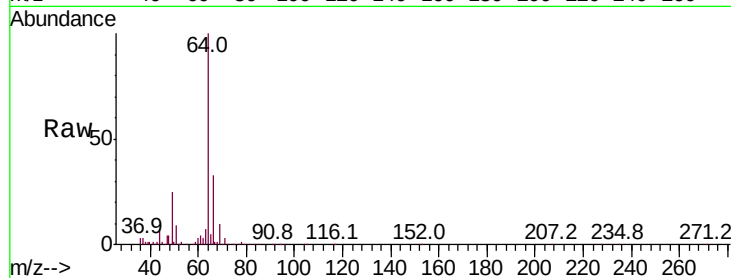




#8
Chloroethane
Concen: 27.114 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.01 min
Lab File: VV010188.D
Acq: 08 Apr 2019 20:38

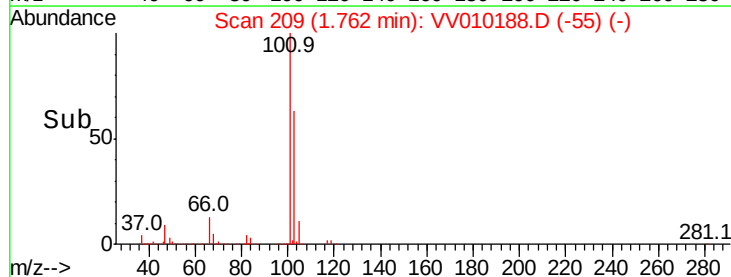
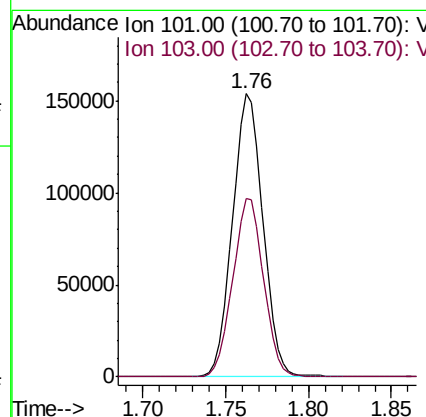
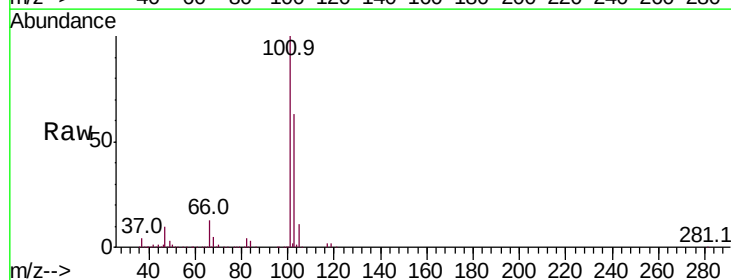
Instrument :
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VSTD02586

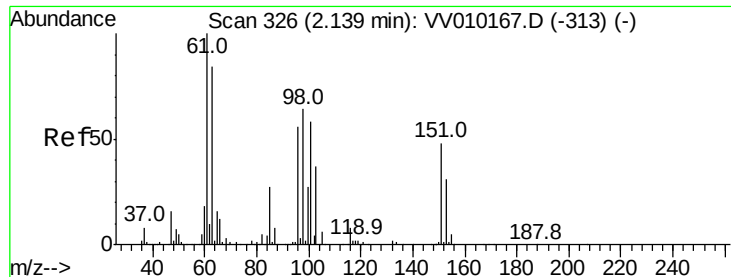
Tot Ion: 64 Resp: 85137
Ion Ratio Lower Upper
64 100
66 33.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 26.632 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV010188.D
Acq: 08 Apr 2019 20:38

Tgt Ion: 101 Resp: 197178
Ion Ratio Lower Upper
101 100
103 63.7 46.1 85.5





#11

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

Concen: 26.447 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02586

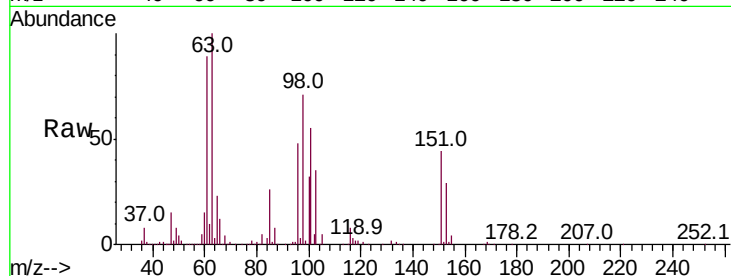
Tot Ion:101 Resp: 108888

Ion Ratio Lower Upper

101 100

85 47.0 37.3 55.9

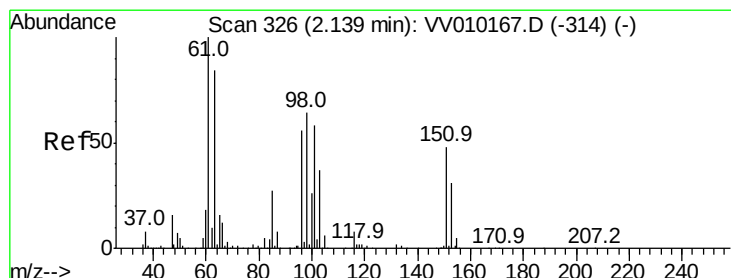
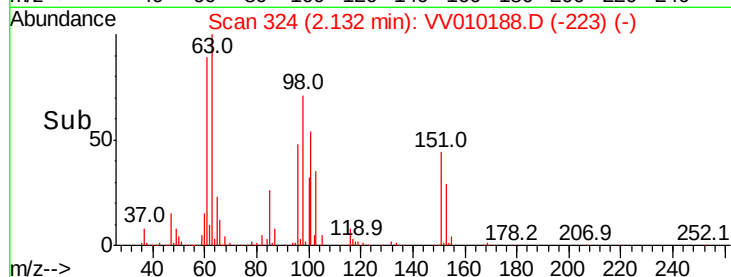
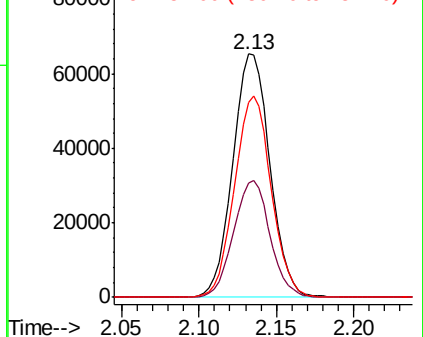
151 81.7 65.4 98.2



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: 24.733 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

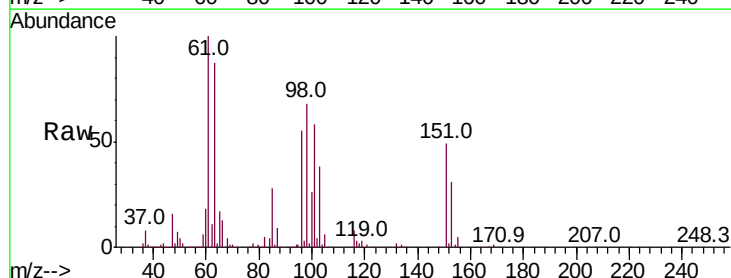
Tgt Ion: 96 Resp: 86516

Ion Ratio Lower Upper

96 100

61 180.4 127.8 237.4

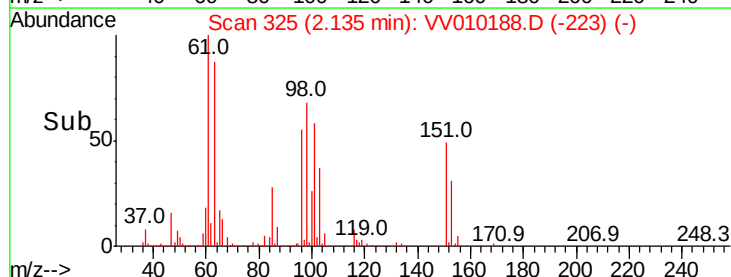
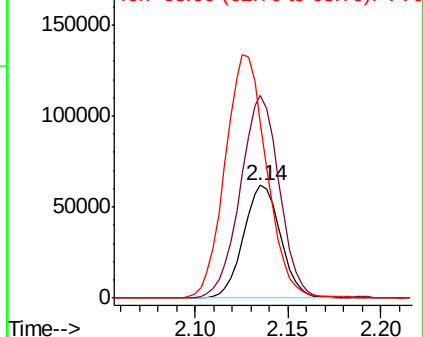
63 156.2 112.6 209.2

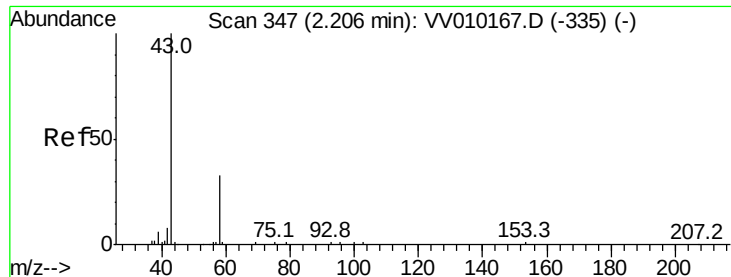


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.087 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

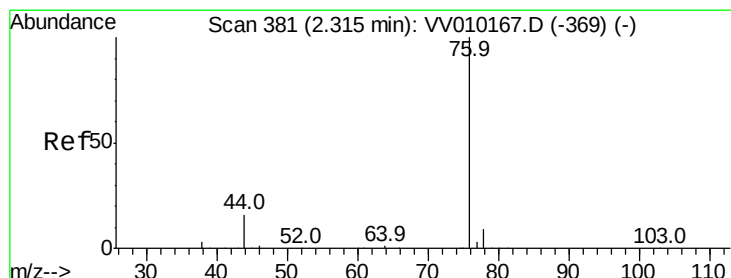
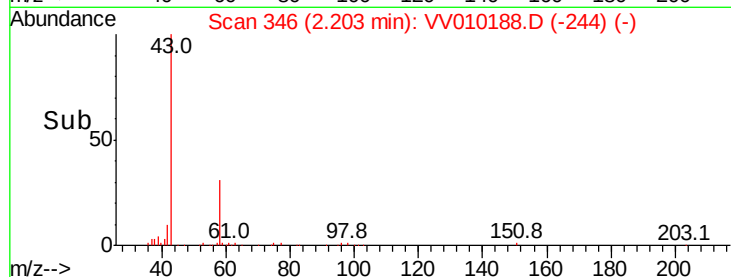
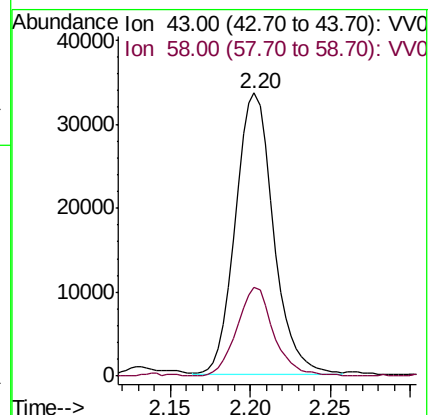
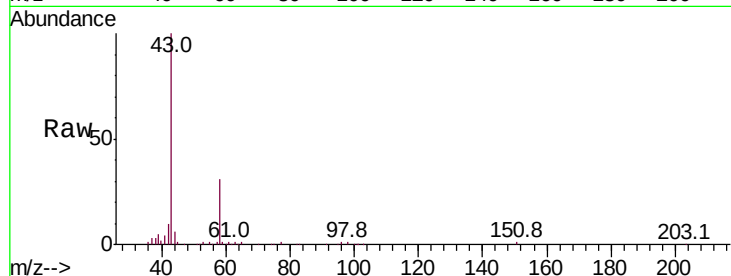
VSTD02586

Tot Ion: 43 Resp: 54048

Ion Ratio Lower Upper

43 100

58 30.5 0.0 64.6



#14

Carbon disulfide

Concen: 21.534 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010188.D

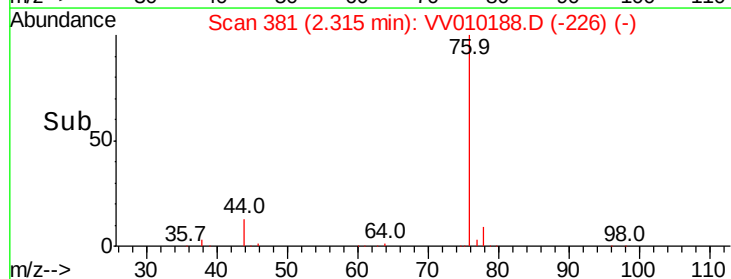
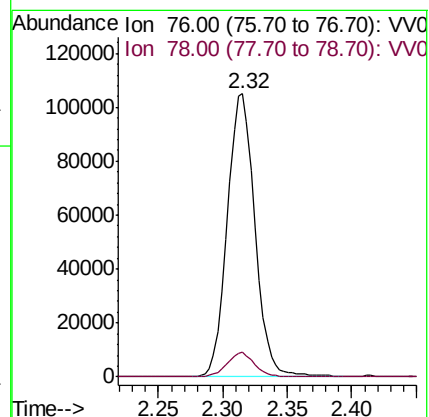
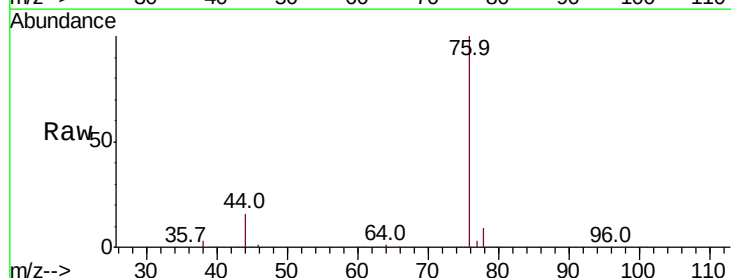
Acq: 08 Apr 2019 20:38

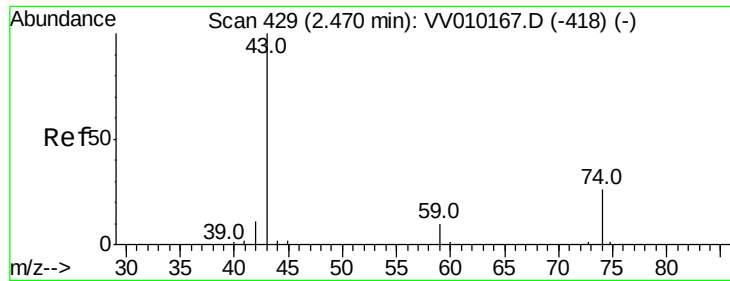
Tgt Ion: 76 Resp: 156323

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

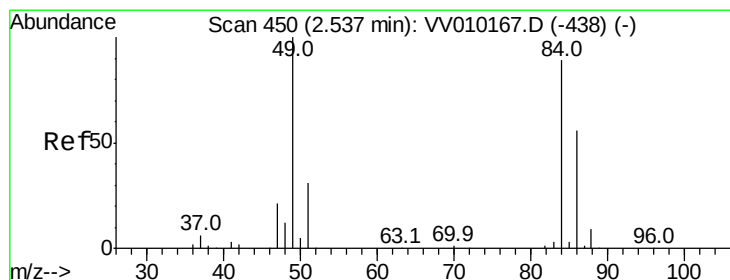
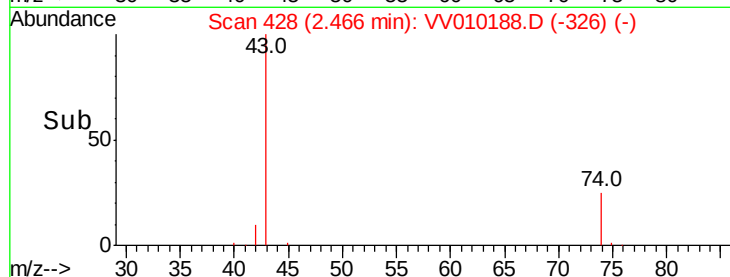
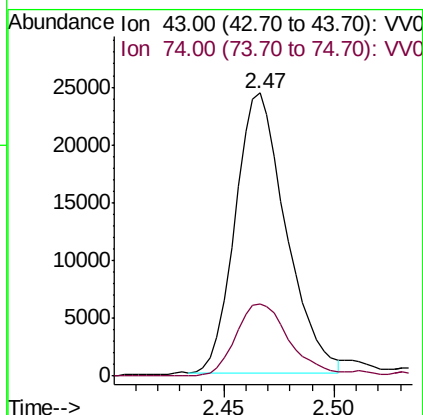
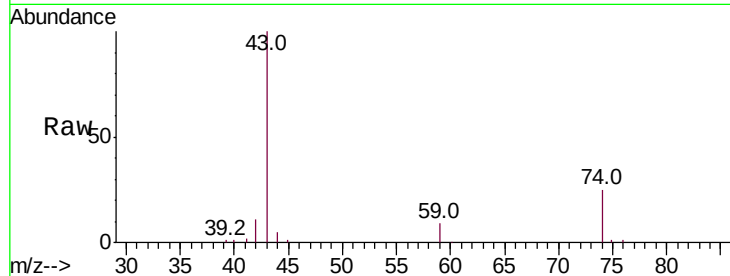




#15
Methvl Acetate
Concen: 25.040 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV010188.D
Acq: 08 Apr 2019 20:38

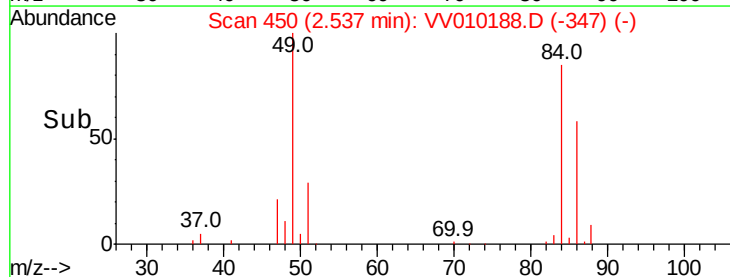
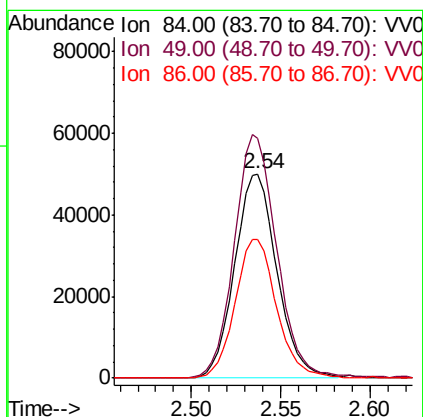
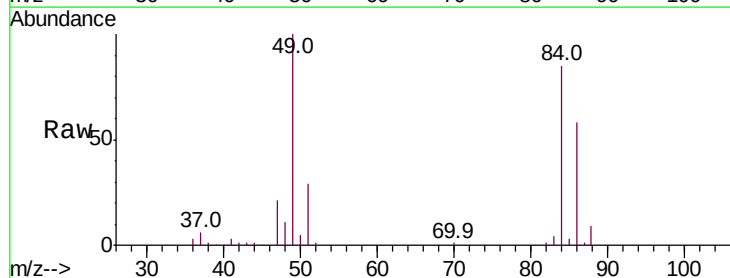
Instrument :
MSVOA_V
ClientSampleId :
VSTD02586

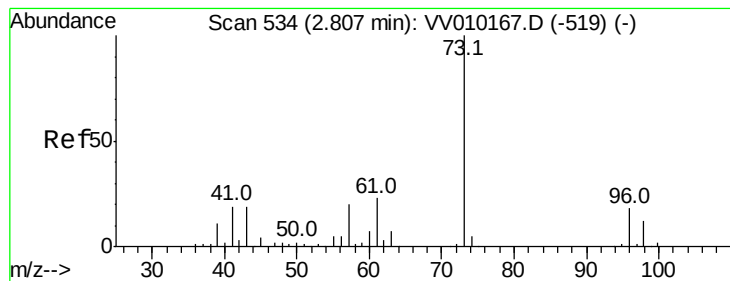
Tot Ion: 43 Resp: 38610
Ion Ratio Lower Upper
43 100
74 27.4 20.0 30.0



#16
Methylene chloride
Concen: 18.432 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV010188.D
Acq: 08 Apr 2019 20:38

Tgt Ion: 84 Resp: 82857
Ion Ratio Lower Upper
84 100
49 117.5 84.3 156.5
86 67.9 45.4 84.2



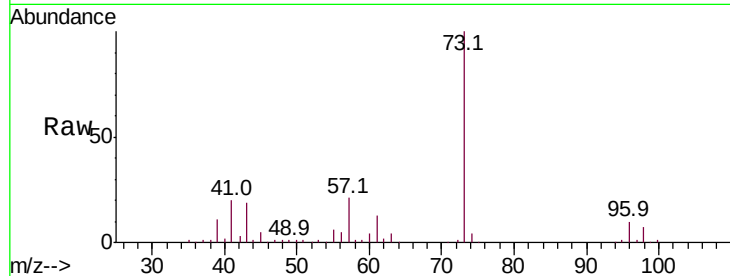


#17

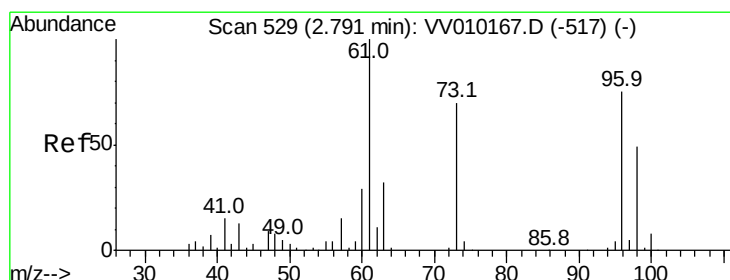
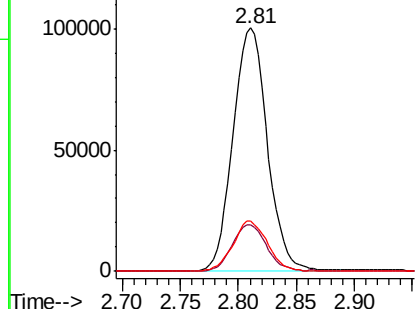
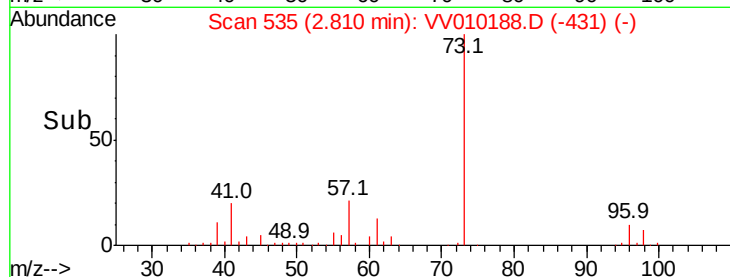
Methyl tert-butyl Ether
 Concen: 27.613 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

Tot Ion: 73 Resp: 206862
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.5 23.3
 57 20.7 16.8 25.2



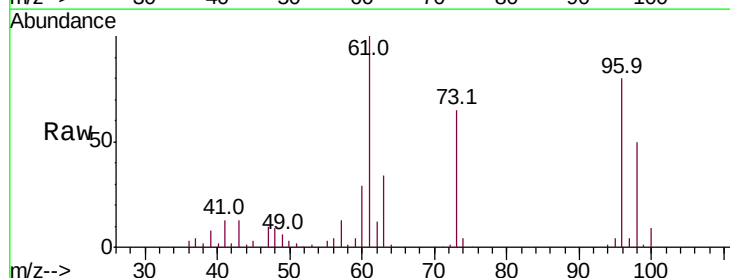
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



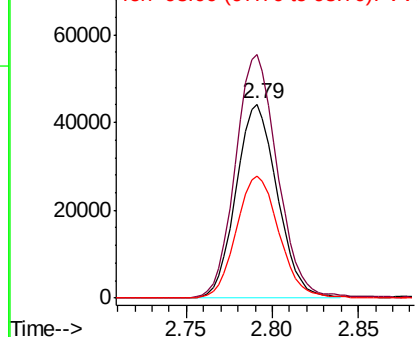
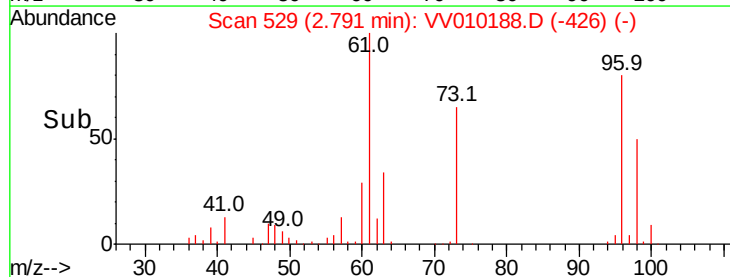
#18

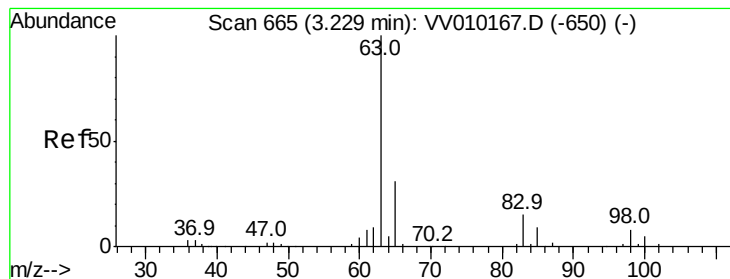
trans-1,2-Dichloroethene
 Concen: 24.249 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Tgt Ion: 96 Resp: 74091
 Ion Ratio Lower Upper
 96 100
 61 125.5 90.0 167.2
 98 63.0 44.2 82.2



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: 26.375 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02586

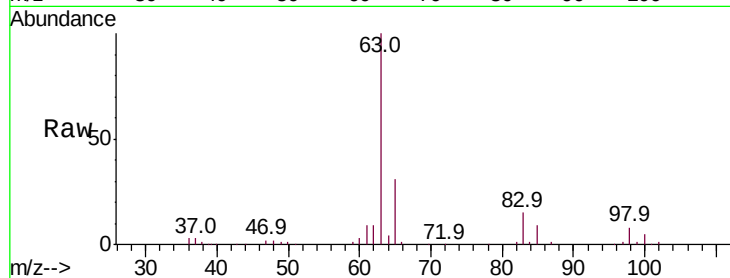
Tot Ion: 63 Resp: 136920

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.3

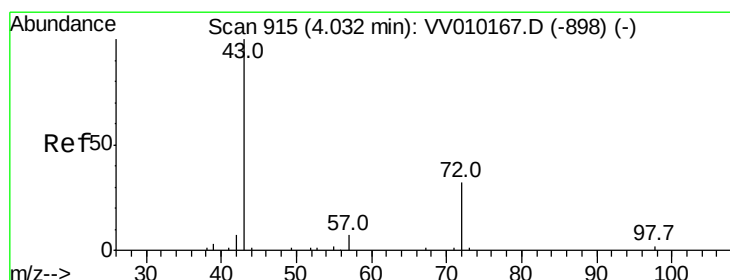
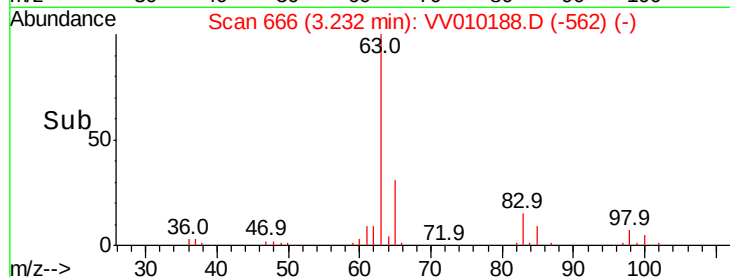
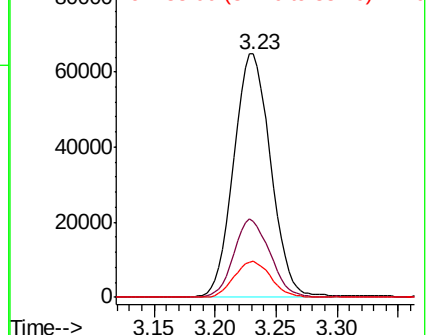
83 14.7 10.4 19.4



Abundance Ion 63.00 (62.70 to 63.70): VV010167.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV010167.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV010167.D (-650) (-)



#21

2-Butanone

Concen: 51.021 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV010188.D

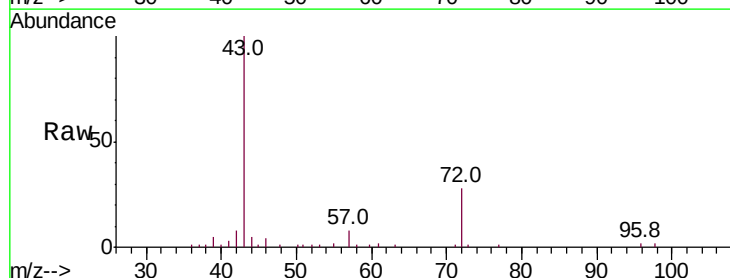
Acq: 08 Apr 2019 20:38

Tgt Ion: 43 Resp: 53845

Ion Ratio Lower Upper

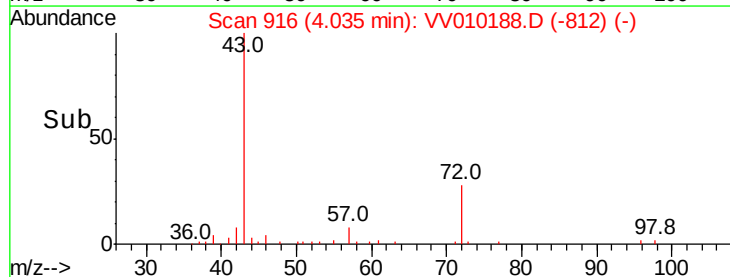
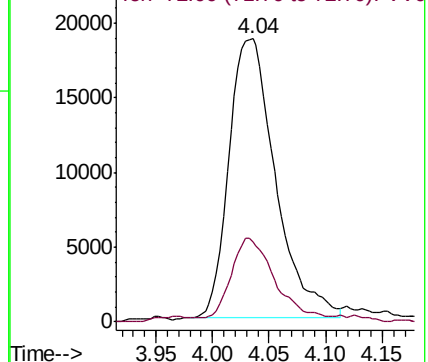
43 100

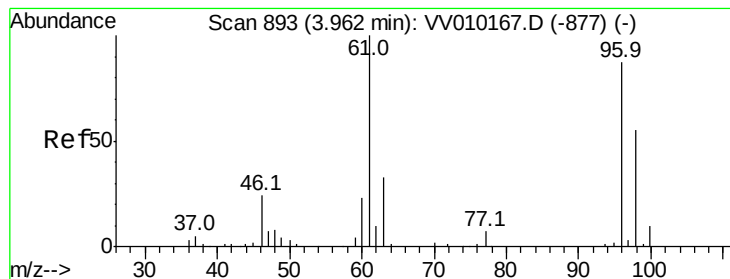
72 25.5 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV010167.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV010167.D (-898) (-)



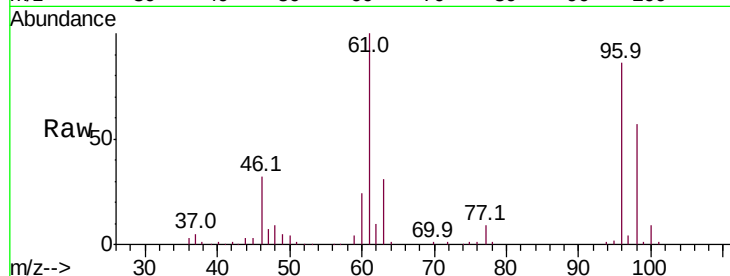


#22

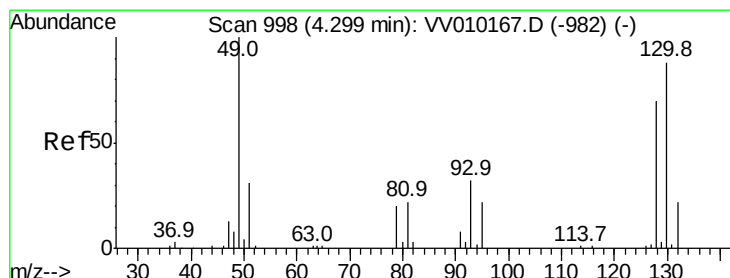
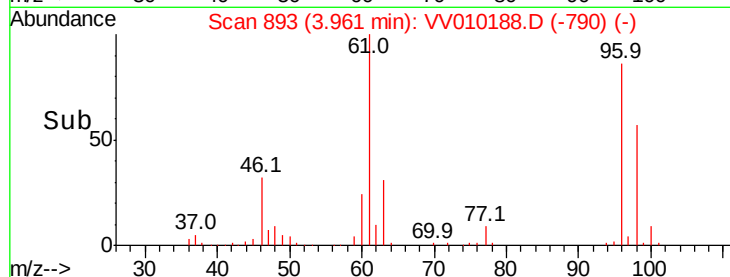
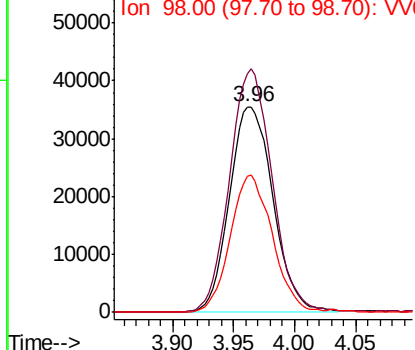
cis-1,2-Dichloroethene
 Concen: 26.058 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02586

Tot Ion: 96 Resp: 88405
 Ion Ratio Lower Upper
 96 100
 61 116.3 82.7 153.5
 98 66.3 43.9 81.5



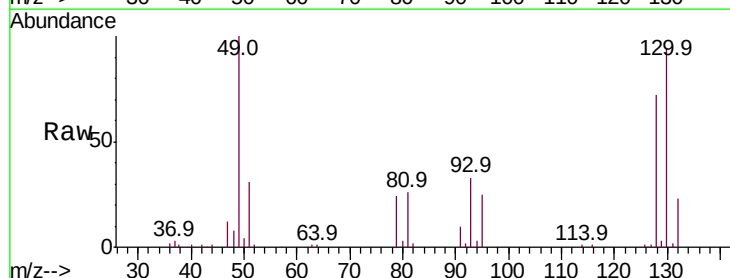
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



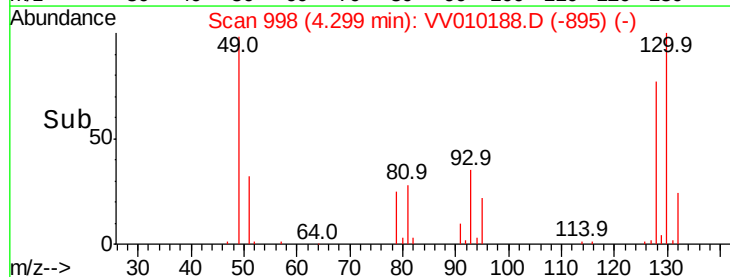
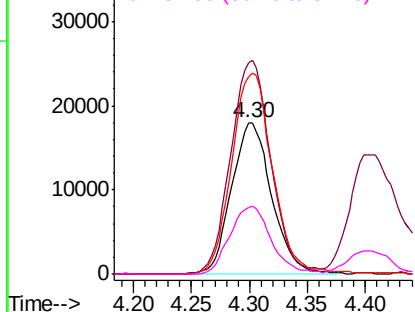
#23

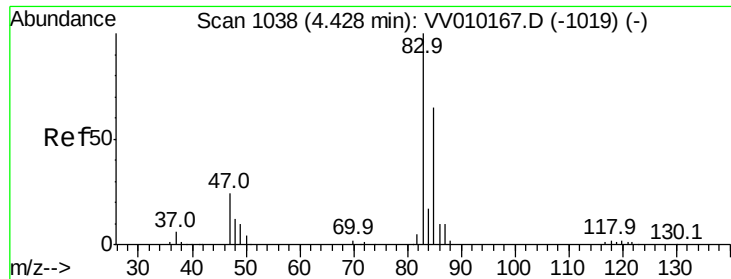
Bromochloromethane
 Concen: 26.251 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Tgt Ion: 128 Resp: 43211
 Ion Ratio Lower Upper
 128 100
 49 139.4 92.8 172.4
 130 130.5 80.6 149.6
 51 43.6 33.1 49.7



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

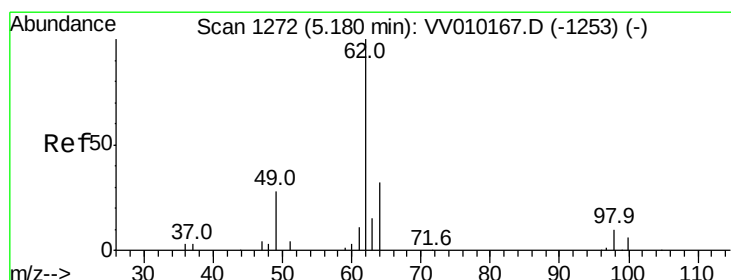
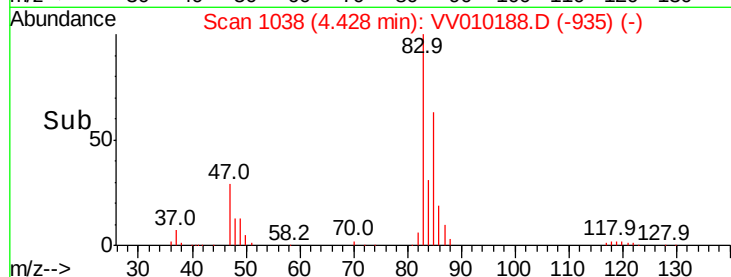
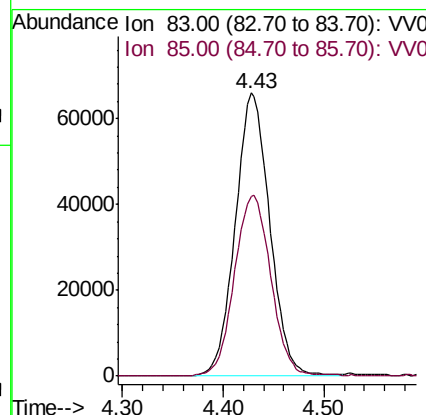
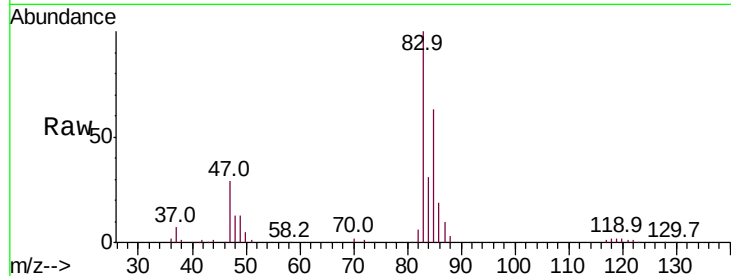




#25
Chloroform
Concen: 26.961 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV010188.D
Acq: 08 Apr 2019 20:38

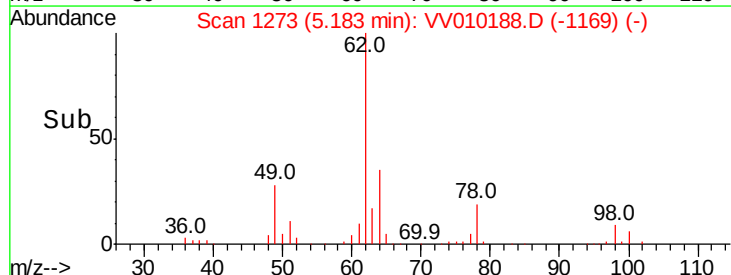
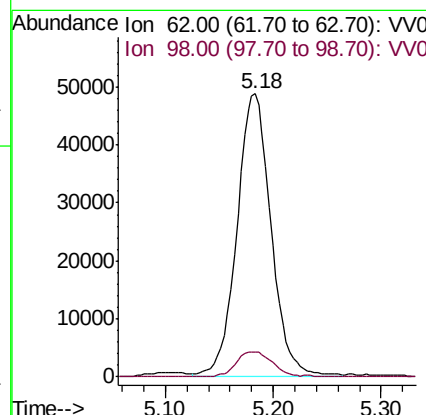
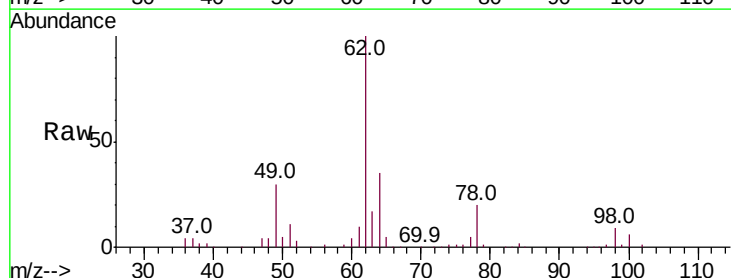
Instrument :
MSVOA_V
ClientSampleId :
VSTD02586

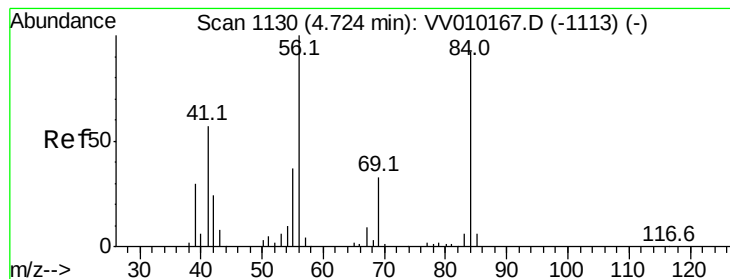
Tot Ion: 83 Resp: 156843
Ion Ratio Lower Upper
83 100
85 67.3 46.4 86.2



#27
1,2-Dichloroethane
Concen: 27.266 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV010188.D
Acq: 08 Apr 2019 20:38

Tgt Ion: 62 Resp: 108200
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#30

Cyclohexane

Concen: 23.759 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02586

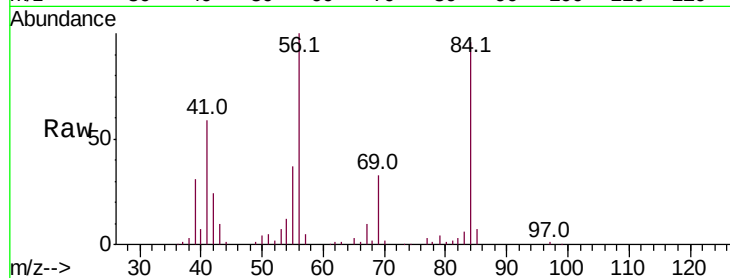
Tot Ion: 56 Resp: 106443

Ion Ratio Lower Upper

56 100

69 31.9 25.1 37.7

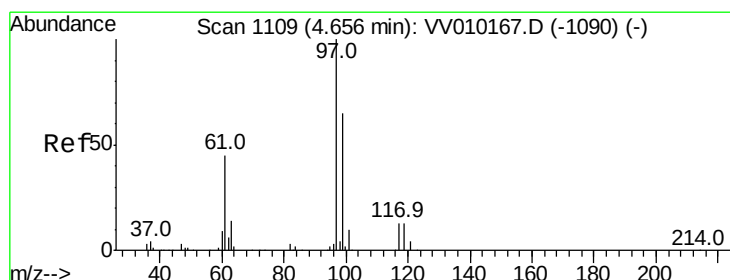
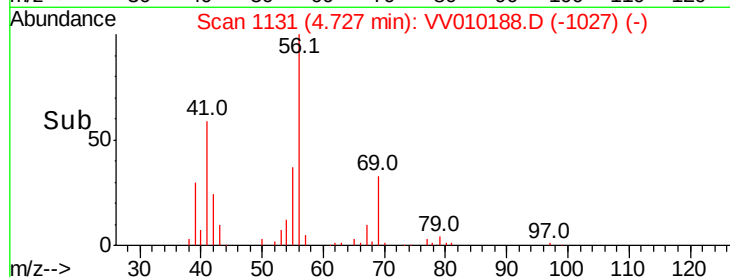
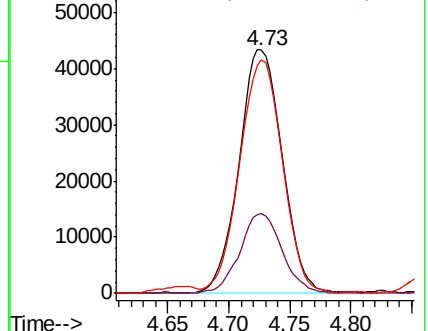
84 94.5 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV010167.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VV010167.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VV010167.D (-1113) (-)



#31

1,1,1-Trichloroethane

Concen: 26.032 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

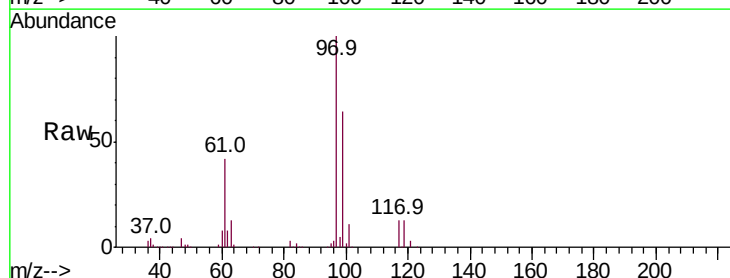
Tgt Ion: 97 Resp: 131760

Ion Ratio Lower Upper

97 100

99 64.8 52.4 78.6

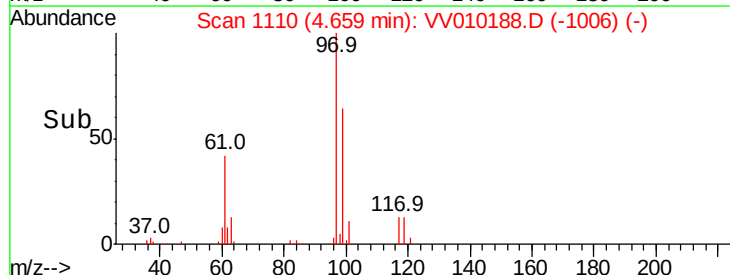
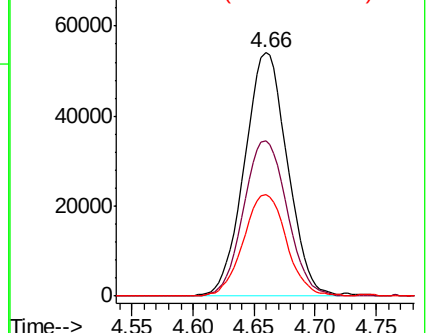
61 41.9 34.1 51.1

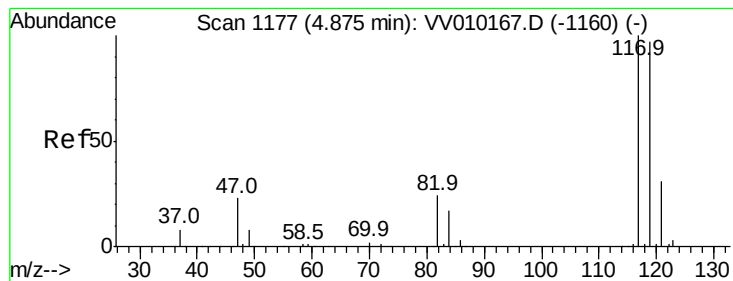


Abundance Ion 97.00 (96.70 to 97.70): VV010167.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV010167.D (-1090) (-)

Ion 61.00 (60.70 to 61.70): VV010167.D (-1090) (-)





#32

Carbon tetrachloride

Concen: 27.558 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

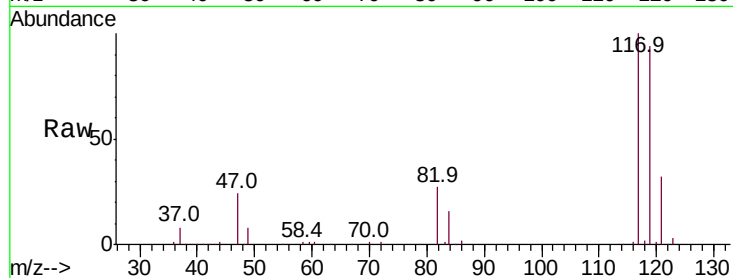
VSTD02586

Tot Ion:117 Resp: 124673

Ion Ratio Lower Upper

117 100

119 95.3 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

60000

50000

40000

30000

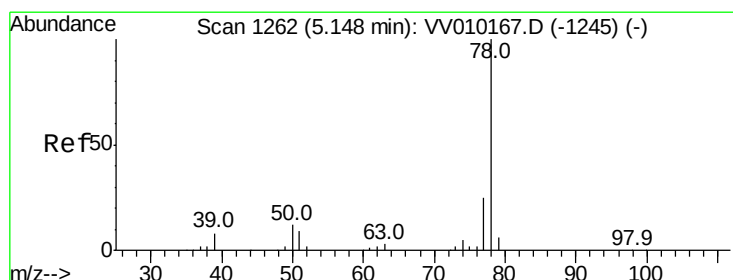
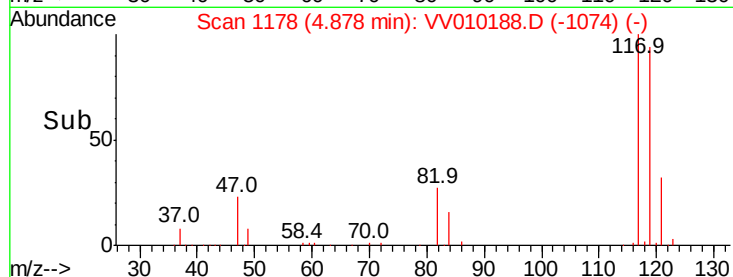
20000

10000

0

4.88

4.80 4.85 4.90 4.95



#34

Benzene

Concen: 25.445 ug/L

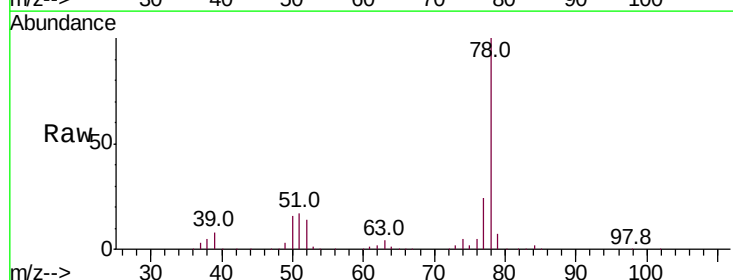
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Tgt Ion: 78 Resp: 308822



Abundance Ion 78.00 (77.70 to 78.70): VV0

150000

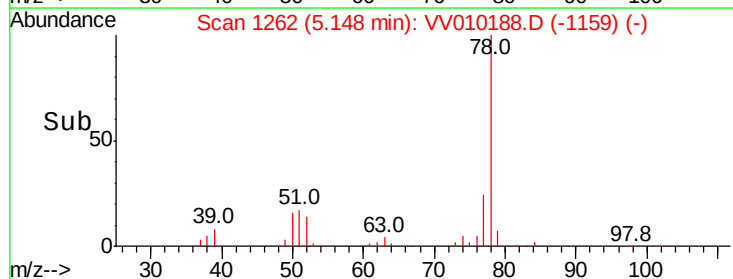
100000

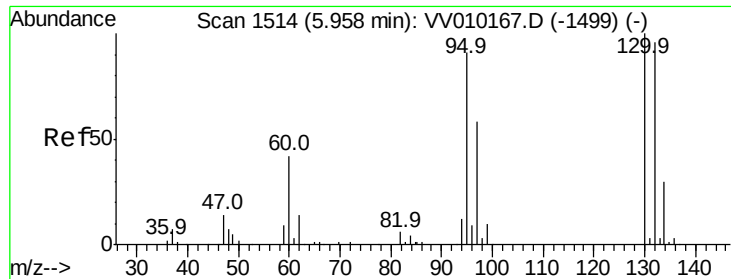
50000

0

5.15

5.00 5.10 5.20

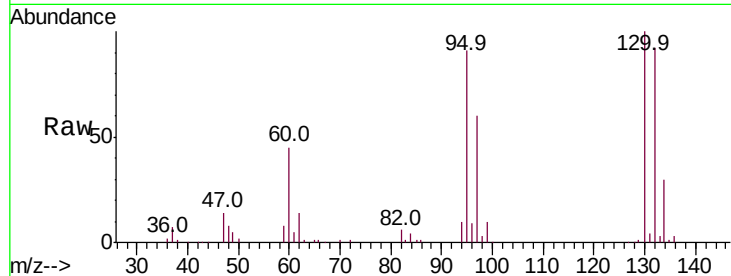




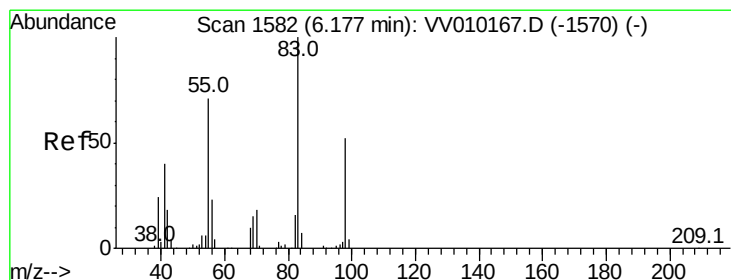
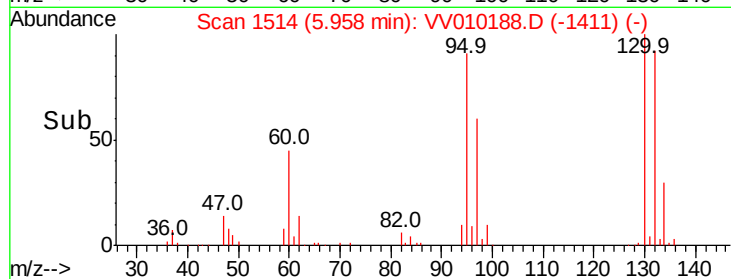
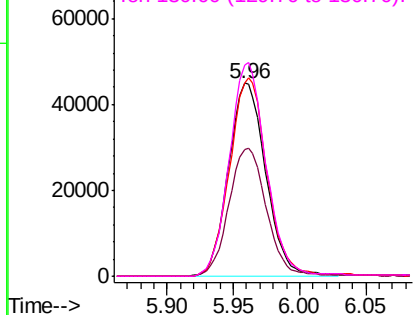
#35
 Trichloroethene
 Concen: 25.269 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

Tot Ion: 95 Resp: 88273
 Ion Ratio Lower Upper
 95 100
 97 66.9 45.8 85.2
 132 102.7 70.6 131.0
 130 108.1 76.1 141.3

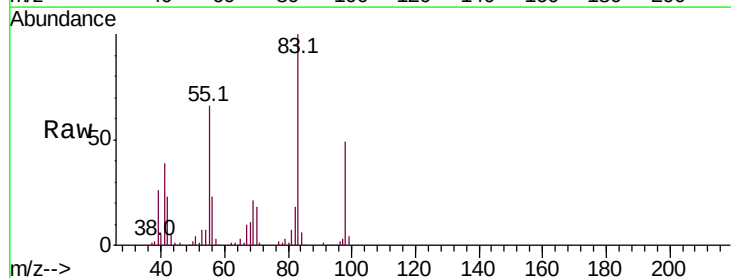


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

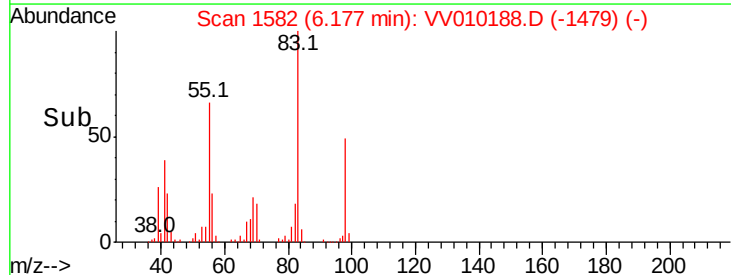
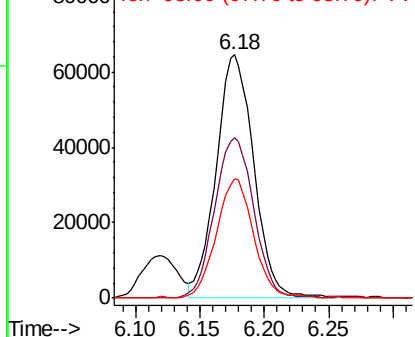


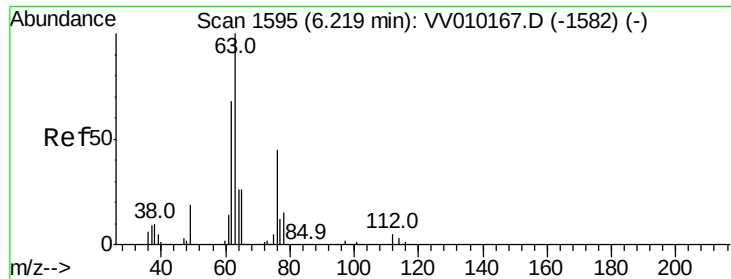
#36
 Methylcyclohexane
 Concen: 24.963 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Tgt Ion: 83 Resp: 130641
 Ion Ratio Lower Upper
 83 100
 55 67.7 56.3 84.5
 98 48.5 39.0 58.6



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





#40

1,2-Dichloropropane

Concen: 26.387 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

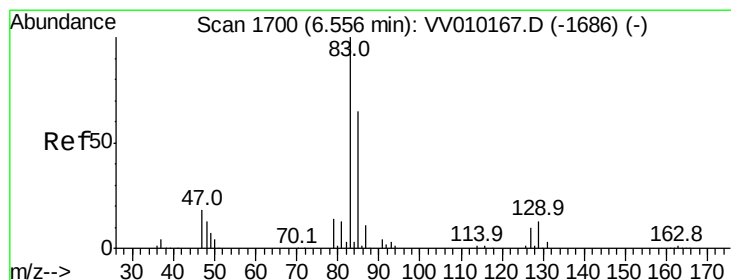
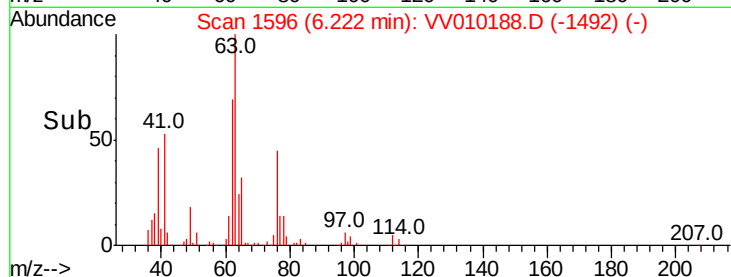
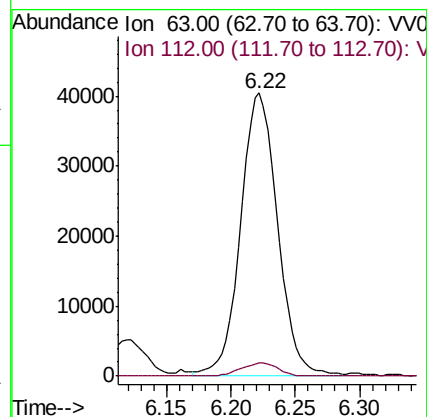
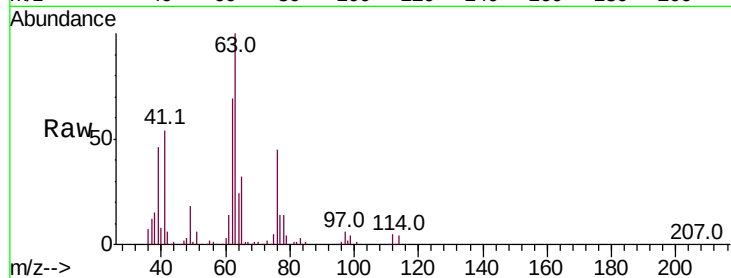
VSTD02586

Tot Ion: 63 Resp: 80917

Ion Ratio Lower Upper

63 100

112 4.7 3.6 5.4



#41

Bromodichloromethane

Concen: 27.304 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

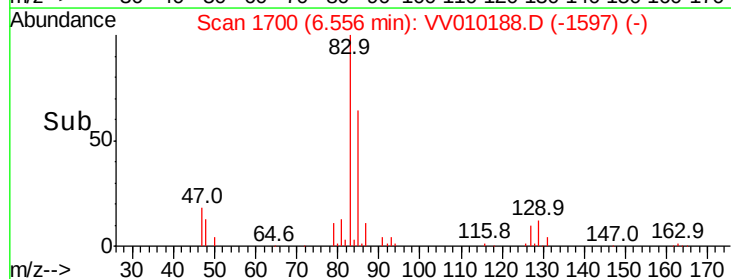
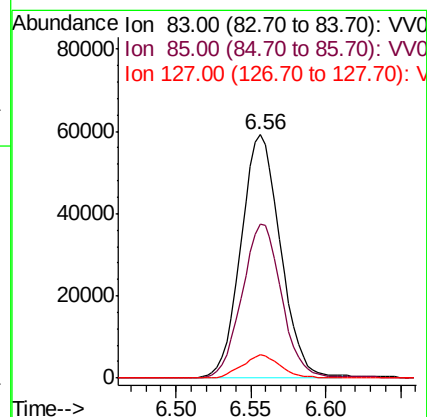
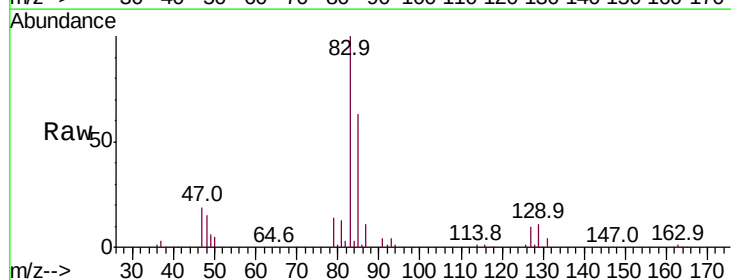
Tgt Ion: 83 Resp: 108888

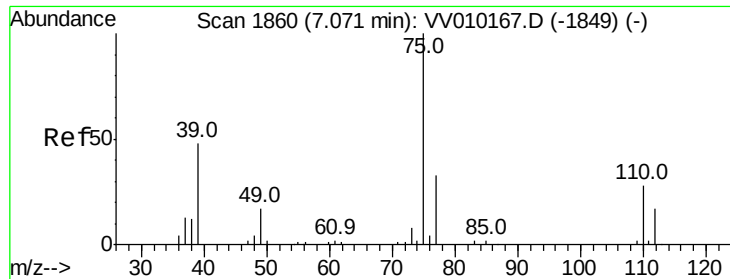
Ion Ratio Lower Upper

83 100

85 63.0 47.5 88.3

127 9.5 7.7 11.5



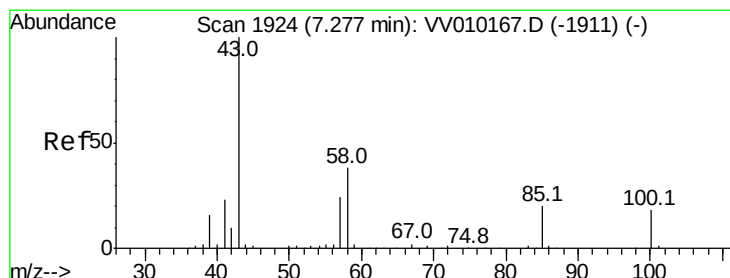
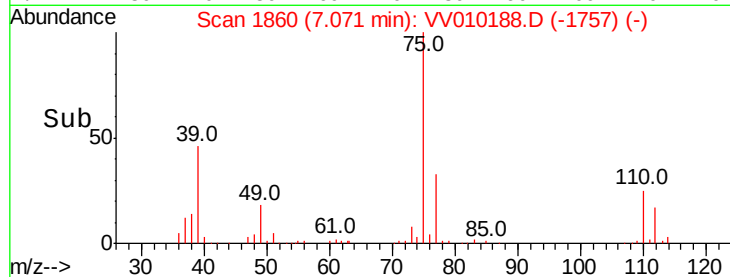
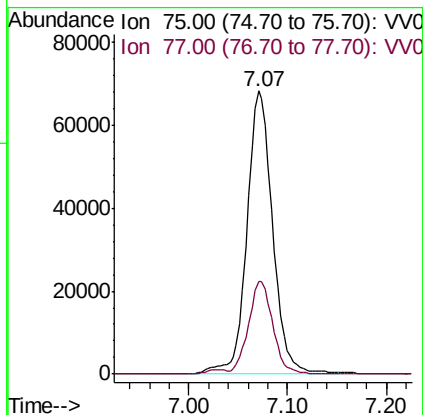
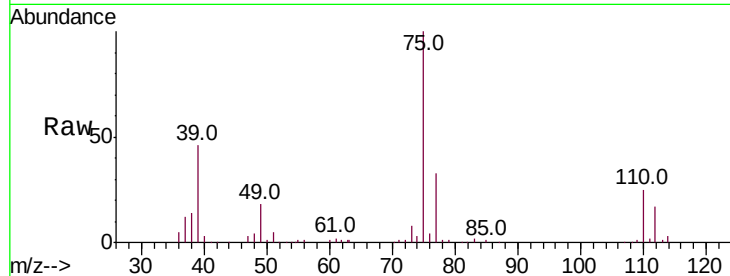


#42

cis-1,3-Dichloropropene
 Concen: 27.675 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

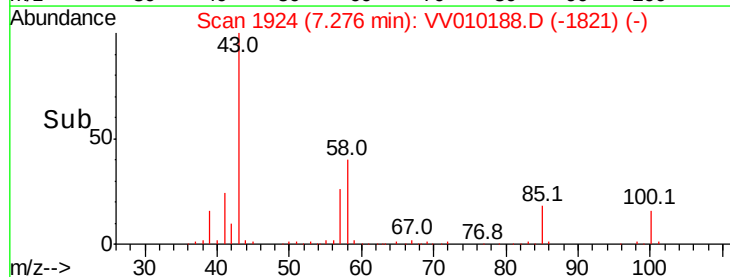
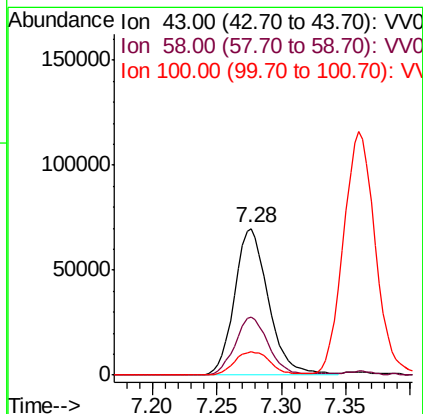
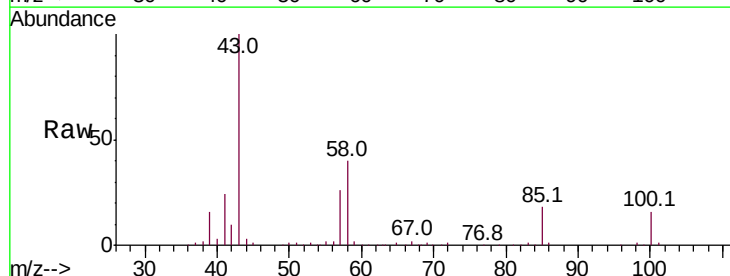
Tot Ion: 75 Resp: 122847
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.1 41.1

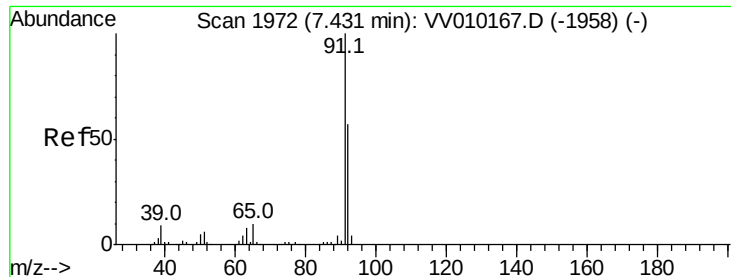


#43

4-Methyl-2-pentanone
 Concen: 56.463 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Tgt Ion: 43 Resp: 128107
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.5 47.3
 100 16.8 13.4 20.0





#44

Toluene

Concen: 26.002 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

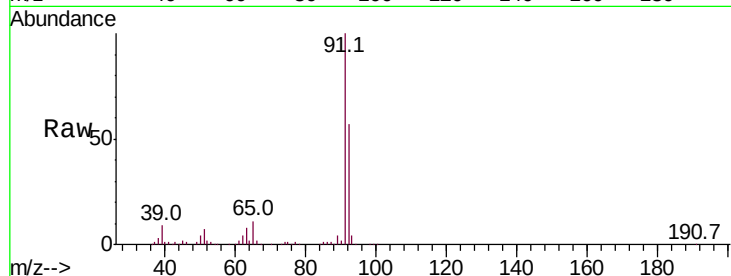
VSTD02586

Tot Ion: 91 Resp: 354180

Ion Ratio Lower Upper

91 100

92 56.8 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010167.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010167.D (-1958) (-)

7.43

200000

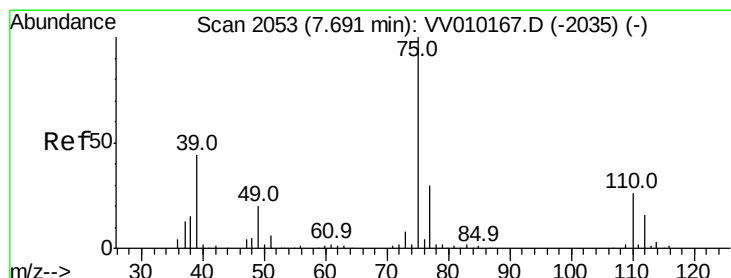
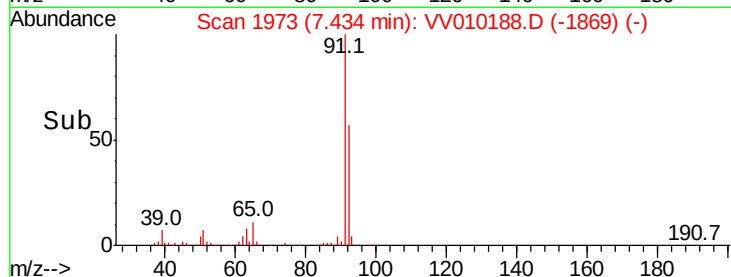
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 28.236 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010188.D

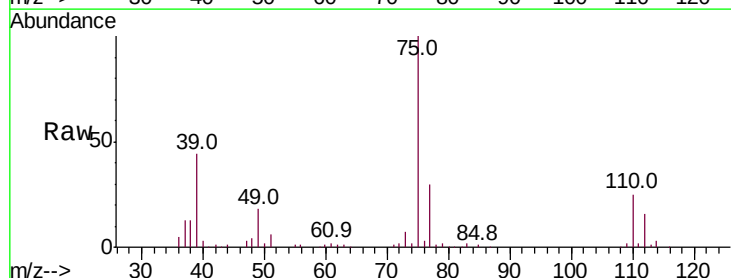
Acq: 08 Apr 2019 20:38

Tgt Ion: 75 Resp: 106598

Ion Ratio Lower Upper

75 100

77 29.6 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV010167.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV010167.D (-2035) (-)

7.69

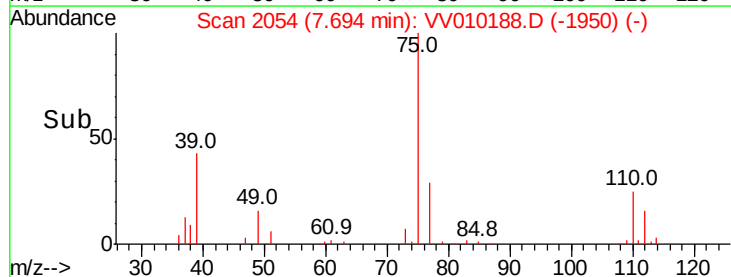
60000

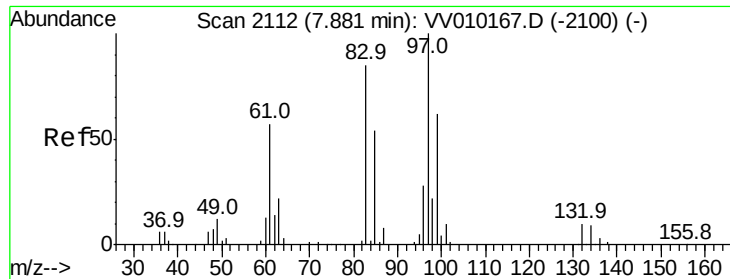
40000

20000

0

Time-->

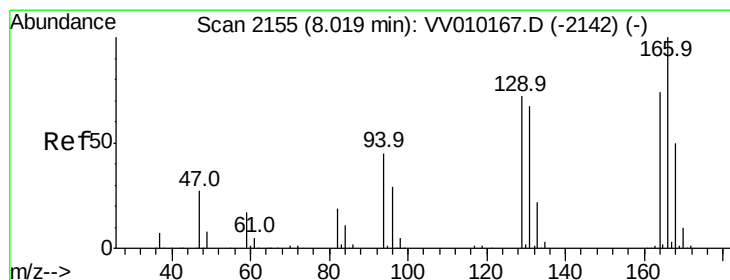
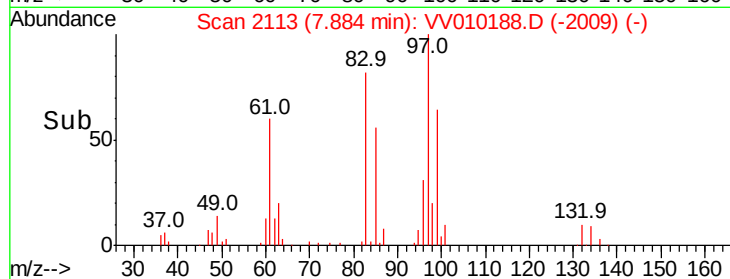
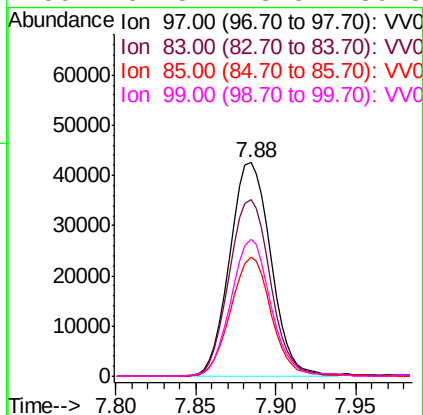
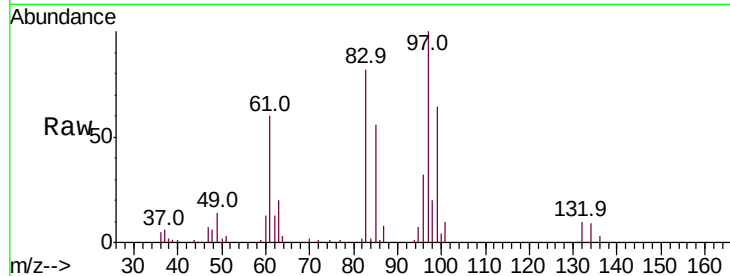




#46
 1,1,2-Trichloroethane
 Concen: 27.619 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

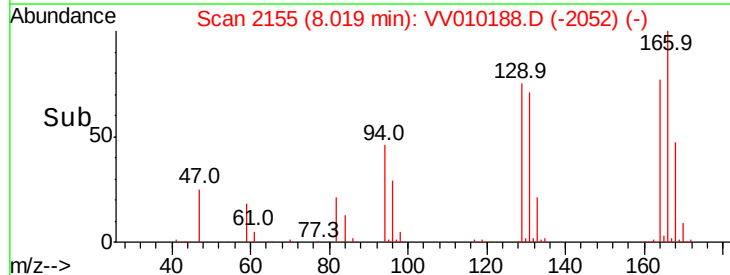
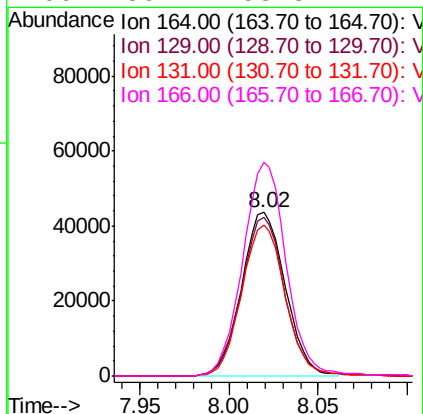
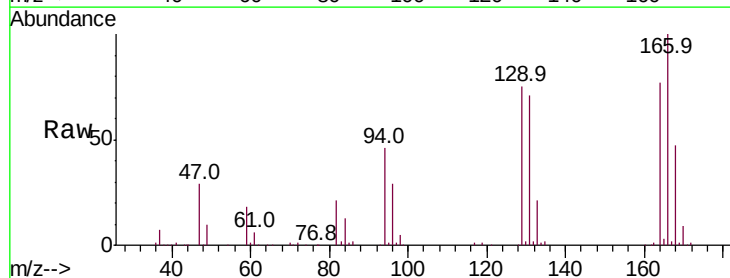
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

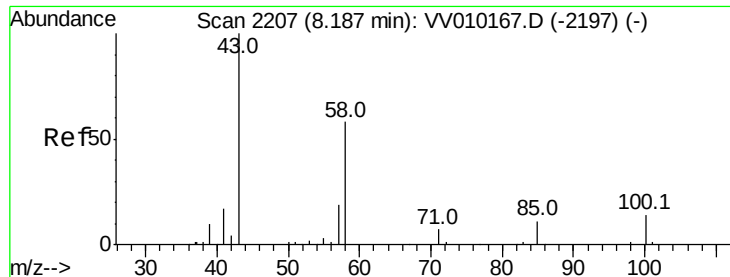
Tot Ion:	97	Resp:	75100
Ion	Ratio	Lower	Upper
97	100		
83	82.5	58.5	108.7
85	55.7	37.2	69.2
99	64.3	43.3	80.3



#47
 Tetrachloroethene
 Concen: 25.508 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Tgt Ion:	164	Resp:	74587
Ion	Ratio	Lower	Upper
164	100		
129	97.4	67.8	125.8
131	92.4	65.2	121.0
166	130.7	93.8	174.2





#49

2-Hexanone

Concen: 55.210 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02586

Tot Ion: 43 Resp: 89472

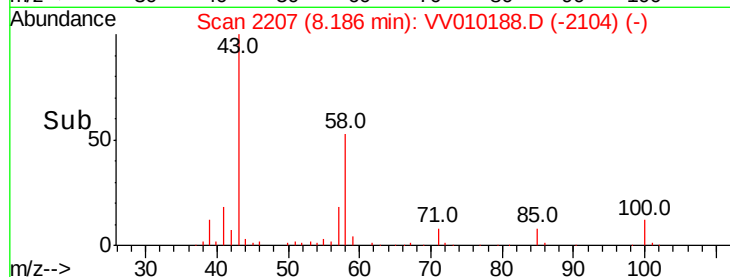
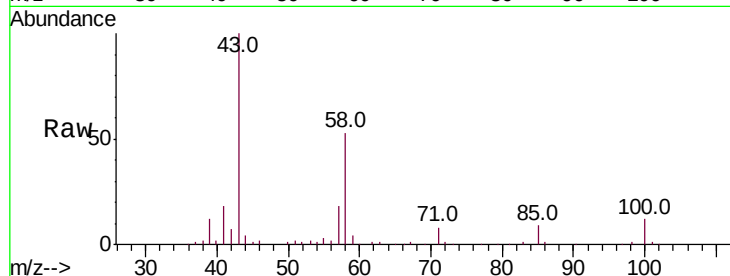
Ion Ratio Lower Upper

43 100

58 55.7 44.3 66.5

57 19.2 13.8 20.8

100 13.0 10.6 15.8

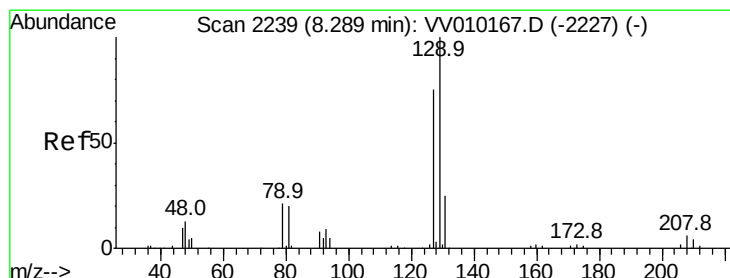
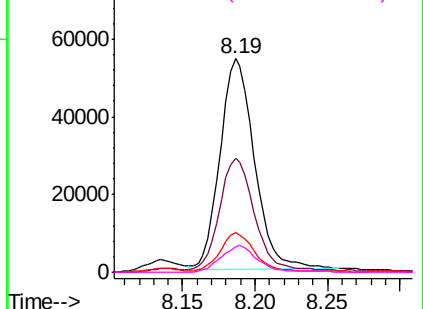


Abundance Ion 43.00 (42.70 to 43.70): VV010188.D (-2104) (-)

Ion 58.00 (57.70 to 58.70): VV010188.D (-2104) (-)

Ion 57.00 (56.70 to 57.70): VV010188.D (-2104) (-)

Ion 100.00 (99.70 to 100.70): VV010188.D (-2104) (-)



#50

Dibromochloromethane

Concen: 28.442 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV010188.D

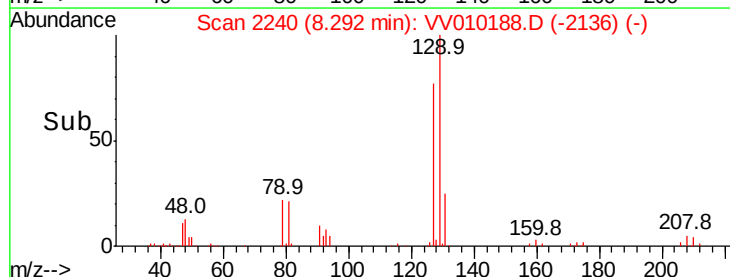
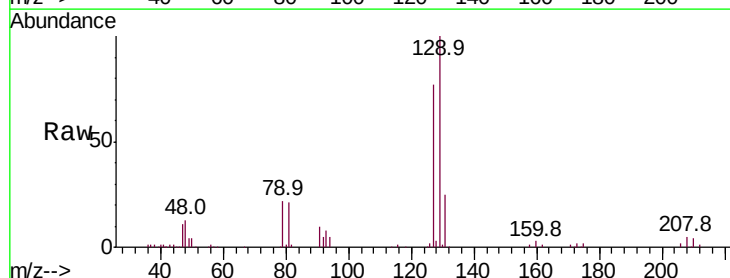
Acq: 08 Apr 2019 20:38

Tgt Ion: 129 Resp: 86694

Ion Ratio Lower Upper

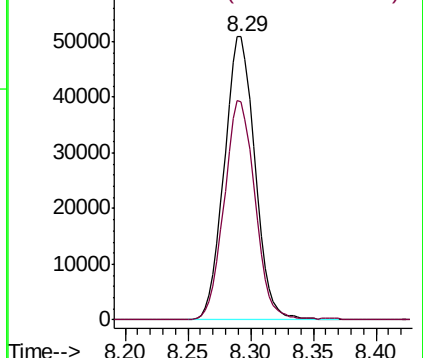
129 100

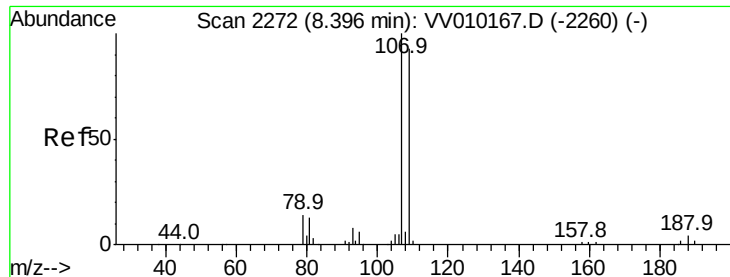
127 77.0 52.1 96.7



Abundance Ion 129.00 (128.70 to 129.70): VV010188.D (-2136) (-)

Ion 127.00 (126.70 to 127.70): VV010188.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 26.615 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampled :

VSTD02586

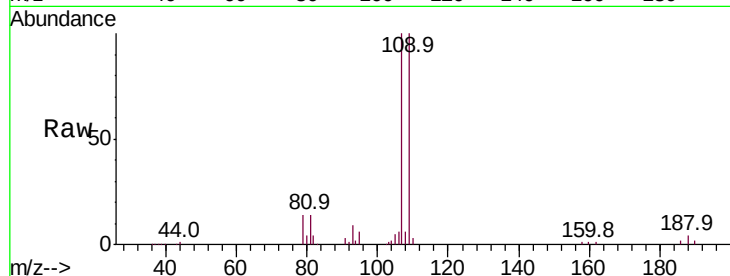
Tot Ion:107 Resp: 71521

Ion Ratio Lower Upper

107 100

109 100.0 66.5 123.5

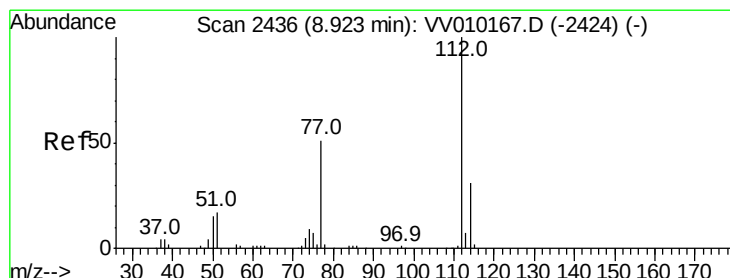
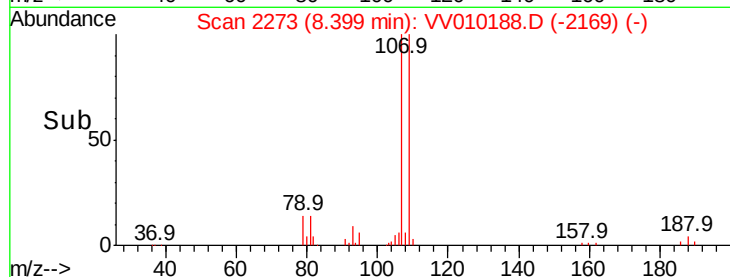
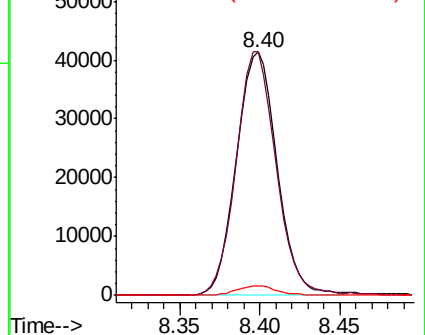
188 3.7 3.3 4.9



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: 26.286 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

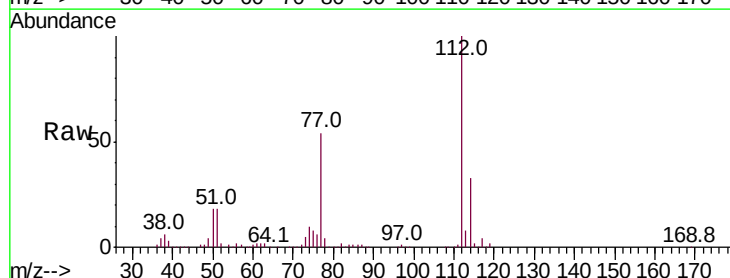
Tgt Ion:112 Resp: 244221

Ion Ratio Lower Upper

112 100

77 54.3 42.9 64.3

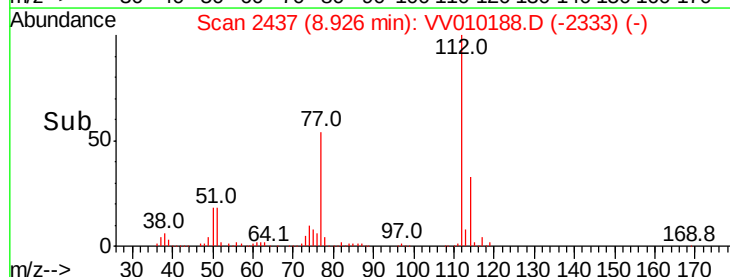
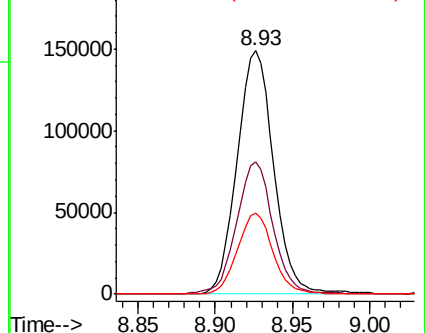
114 33.4 23.4 43.4

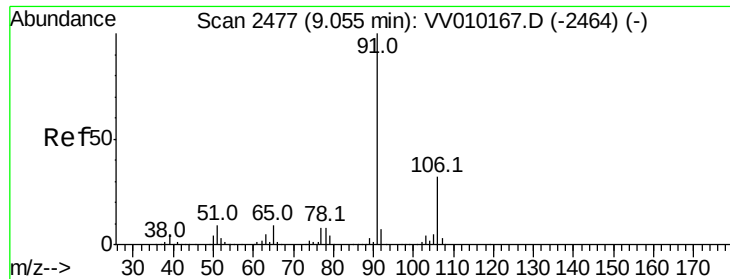


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.183 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

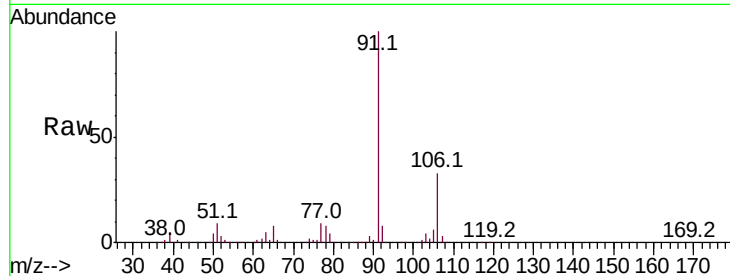
VSTD02586

Tot Ion: 91 Resp: 391079

Ion Ratio Lower Upper

91 100

106 32.5 23.1 42.9



Abundance Ion 91.00 (90.70 to 91.70): VV010167.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV010167.D (-2464) (-)

9.06

250000

200000

150000

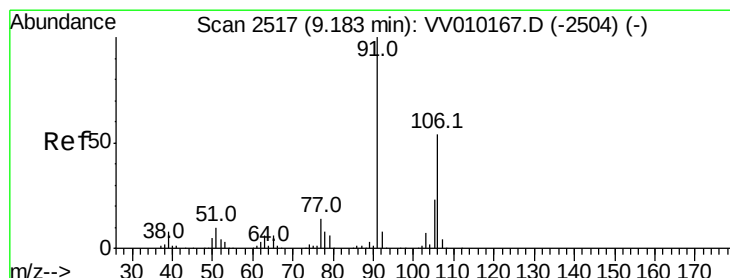
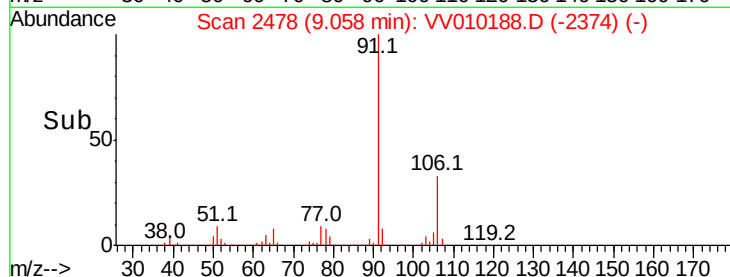
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#54

m,p-Xylene

Concen: 27.167 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010188.D

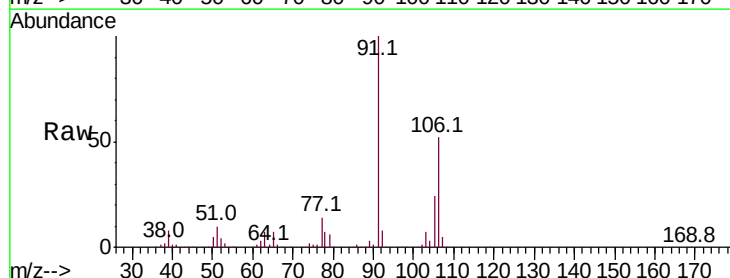
Acq: 08 Apr 2019 20:38

Tgt Ion: 106 Resp: 157935

Ion Ratio Lower Upper

106 100

91 192.5 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): VV010167.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV010167.D (-2504) (-)

9.18

200000

150000

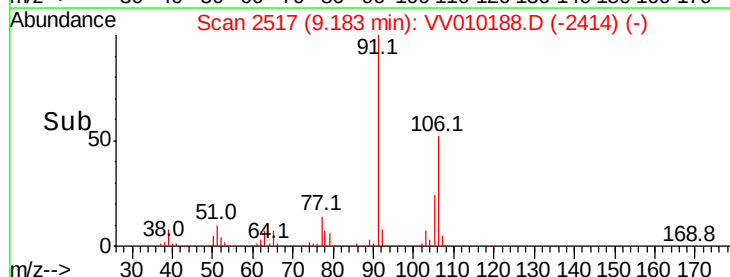
100000

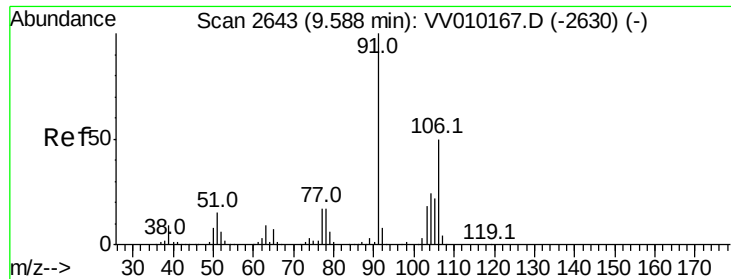
50000

0

9.10 9.15 9.20 9.25

Time-->





#55

o-xylene

Concen: 26.870 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

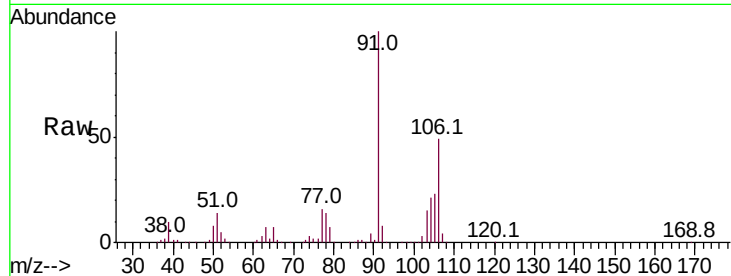
VSTD02586

Tot Ion:106 Resp: 151337

Ion Ratio Lower Upper

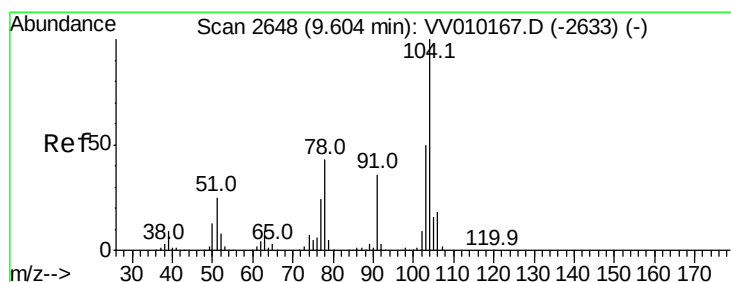
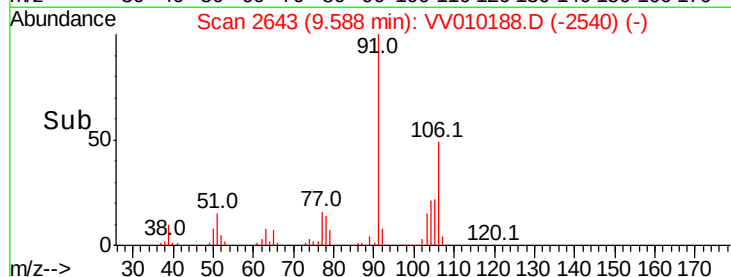
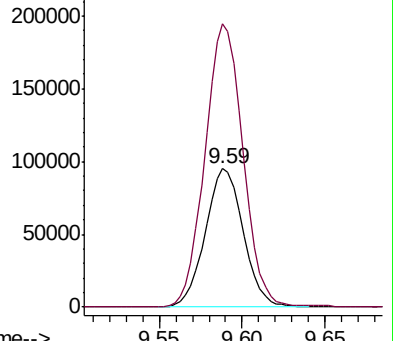
106 100

91 204.5 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 27.913 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010188.D

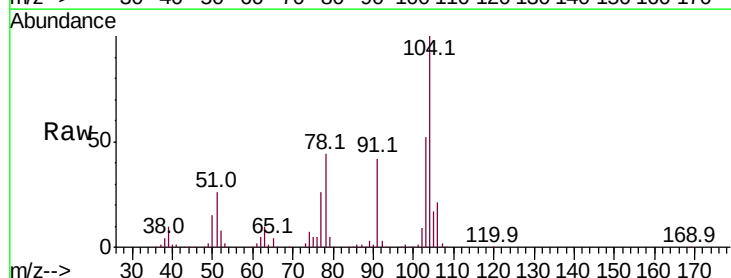
Acq: 08 Apr 2019 20:38

Tgt Ion:104 Resp: 260062

Ion Ratio Lower Upper

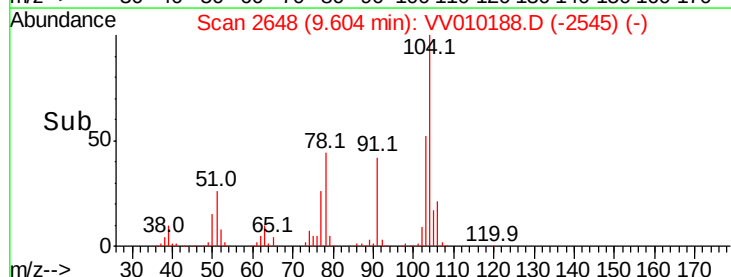
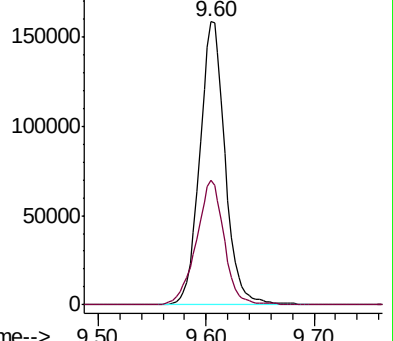
104 100

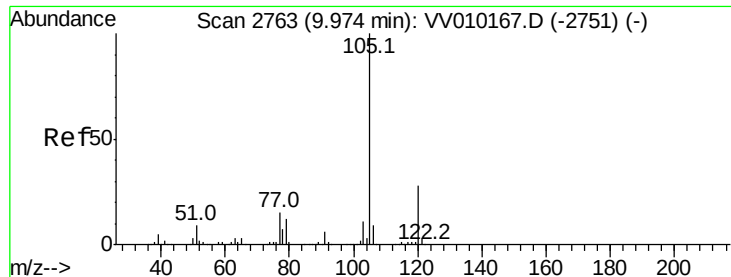
78 43.8 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.501 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02586

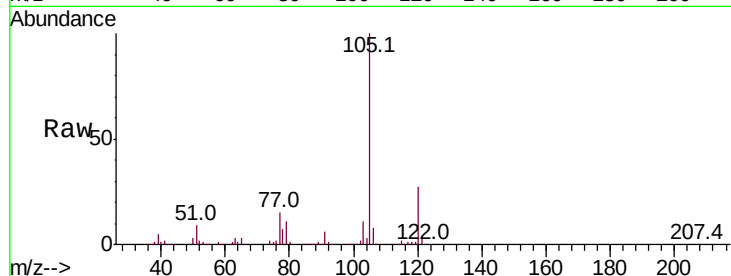
Tot Ion:105 Resp: 408491

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

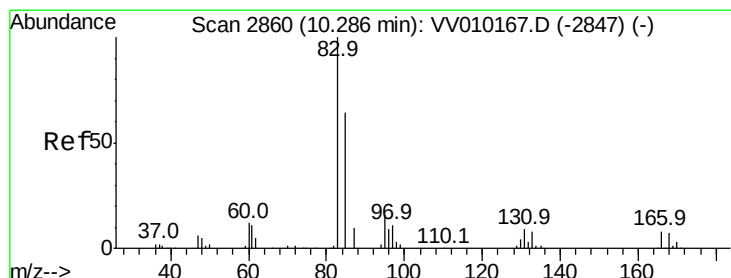
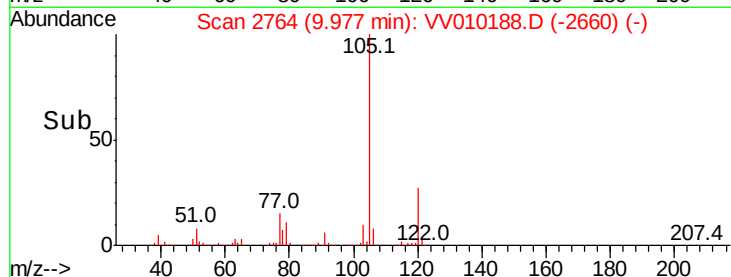
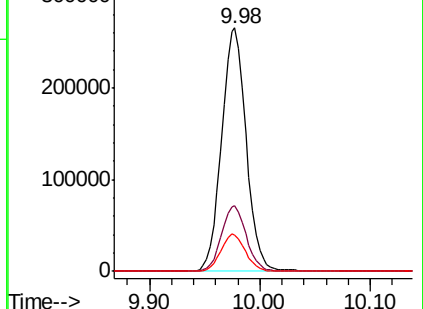
77 15.3 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.975 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

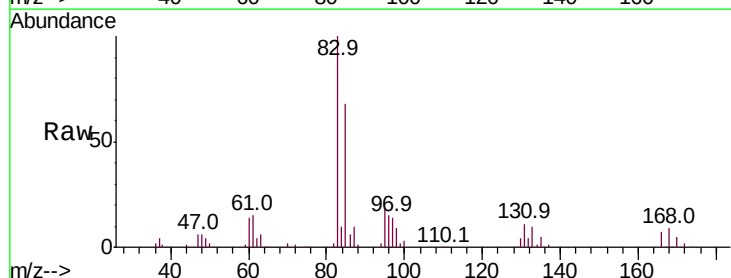
Tgt Ion: 83 Resp: 94207

Ion Ratio Lower Upper

83 100

85 68.3 46.1 85.7

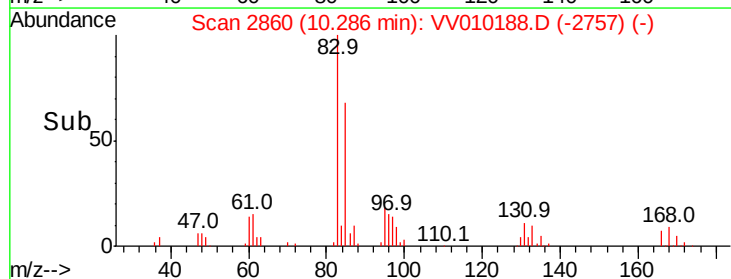
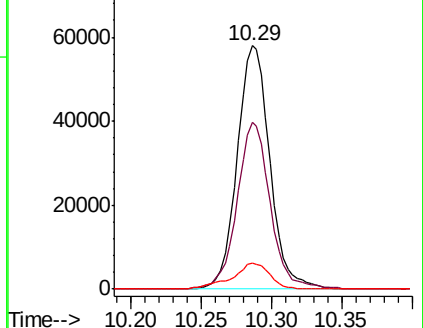
131 10.6 9.0 13.4

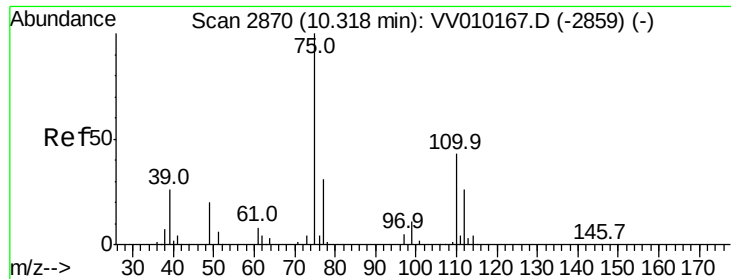


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

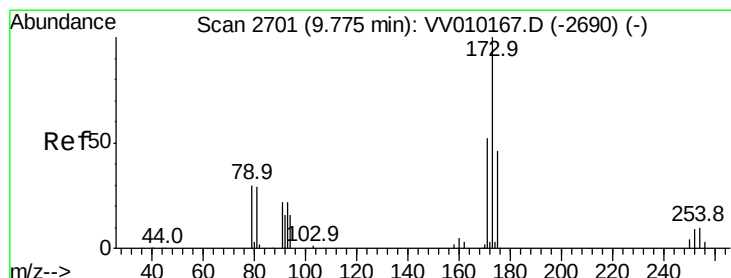
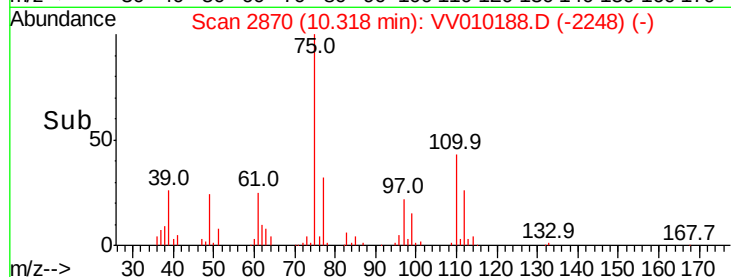
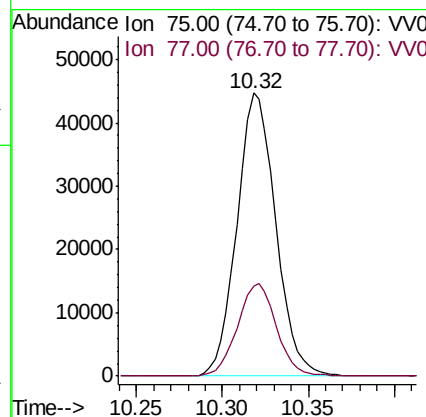
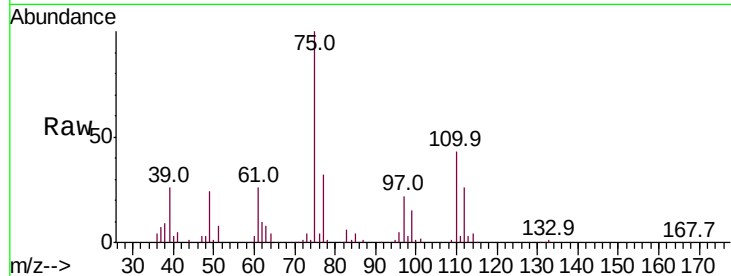




#59
1,2,3-Trichloropropane
Concen: 28.040 ug/L
RT: 10.32 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VV010188.D
Acq: 08 Apr 2019 20:38

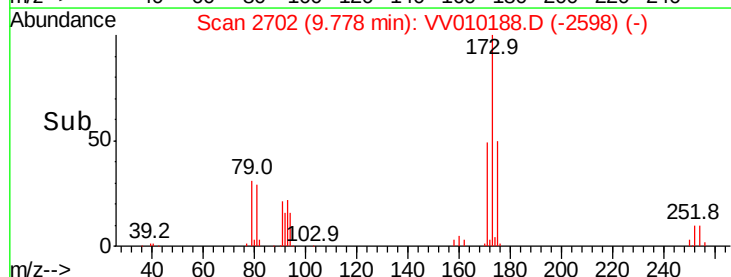
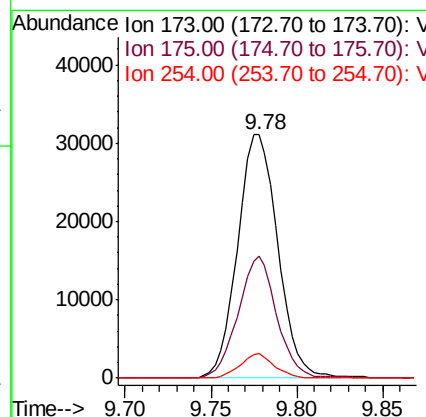
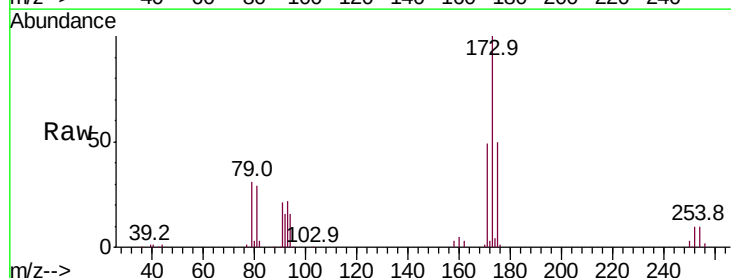
Instrument :
MSVOA_V
ClientSampleId :
VSTD02586

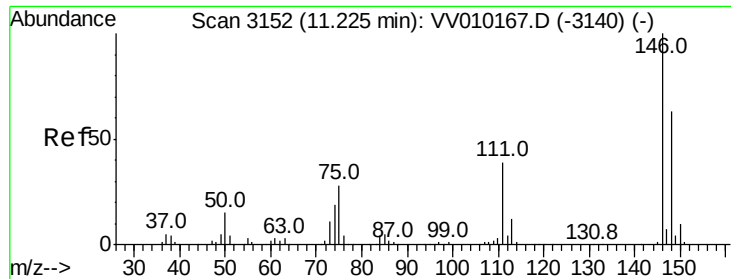
Tot Ion: 75 Resp: 70218
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.8



#62
Bromoform
Concen: 27.179 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VV010188.D
Acq: 08 Apr 2019 20:38

Tgt Ion:173 Resp: 50417
Ion Ratio Lower Upper
173 100
175 48.1 38.7 58.1
254 8.4 6.7 10.1

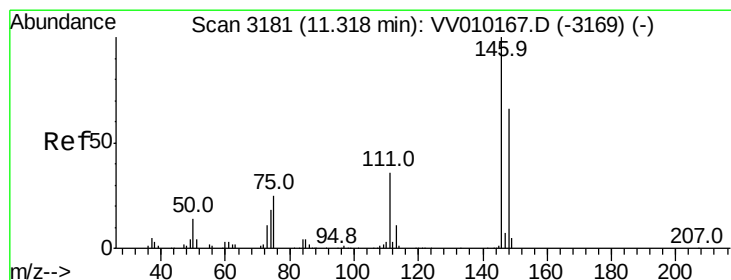
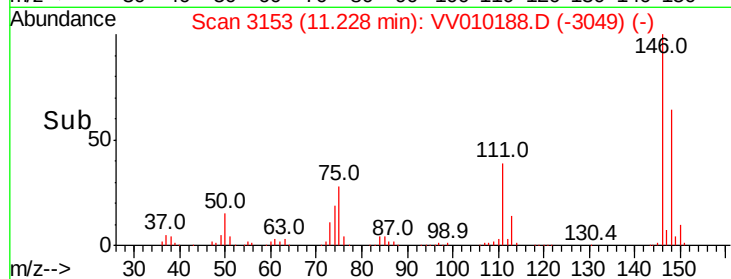
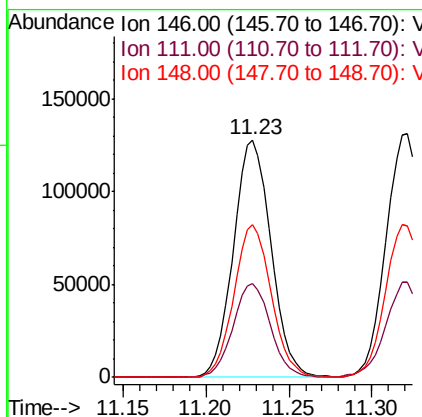
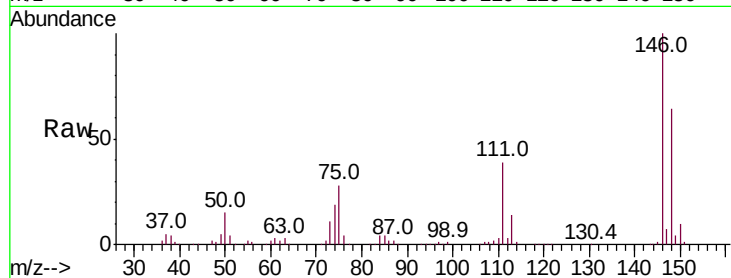




#63
 1,3-Dichlorobenzene
 Concen: 26.113 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

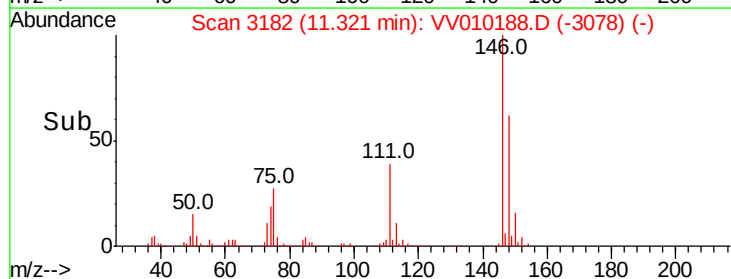
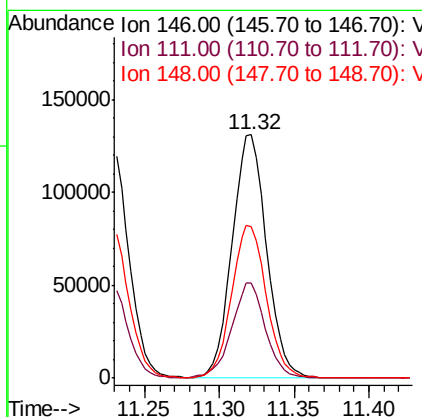
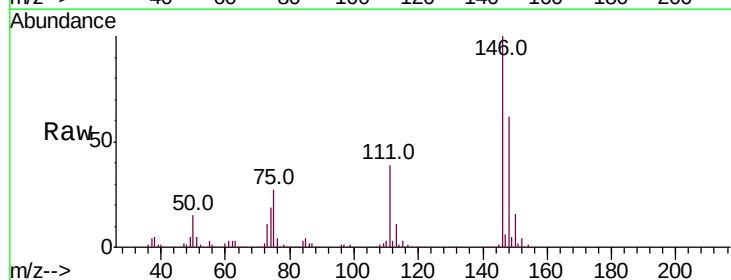
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

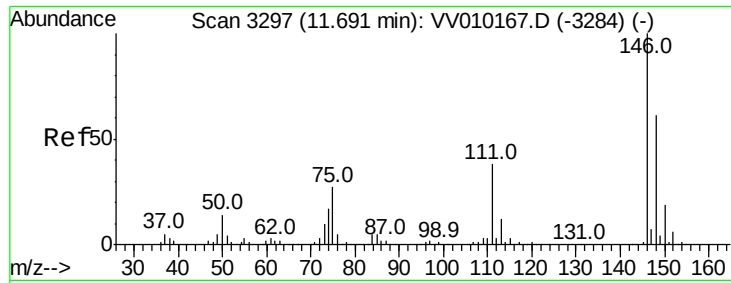
Tot Ion:146 Resp: 202157
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.8 49.8
 148 64.4 42.7 79.3



#64
 1,4-Dichlorobenzene
 Concen: 26.102 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Tgt Ion:146 Resp: 210488
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.9 50.1
 148 62.4 45.6 84.6





#65

1,2-Dichlorobenzene

Concen: 25.676 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02586

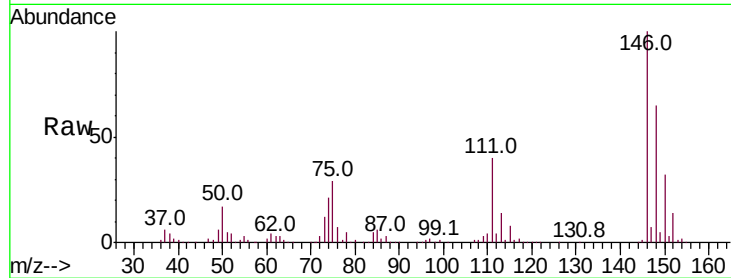
Tot Ion:146 Resp: 195270

Ion Ratio Lower Upper

146 100

111 39.9 33.2 49.8

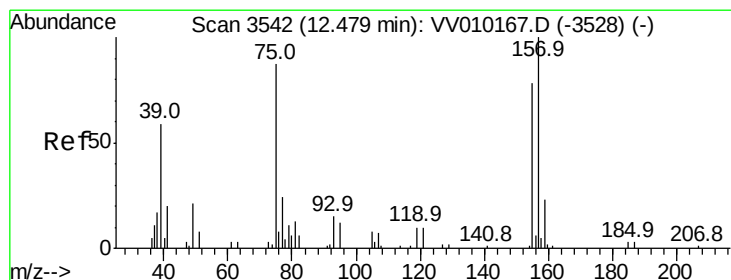
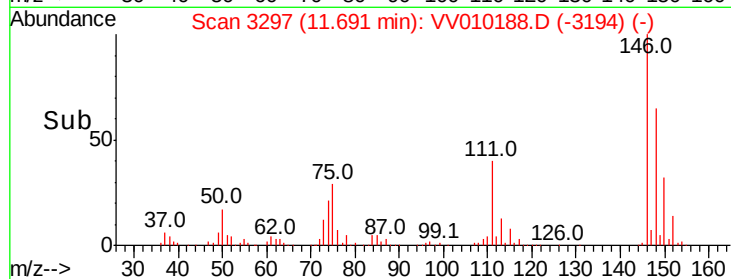
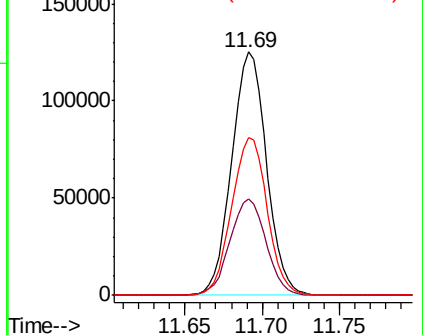
148 64.8 51.4 77.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 27.142 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

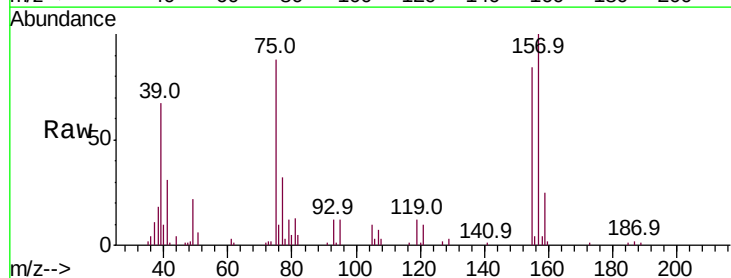
Tgt Ion: 75 Resp: 13996

Ion Ratio Lower Upper

75 100

157 113.9 83.0 124.6

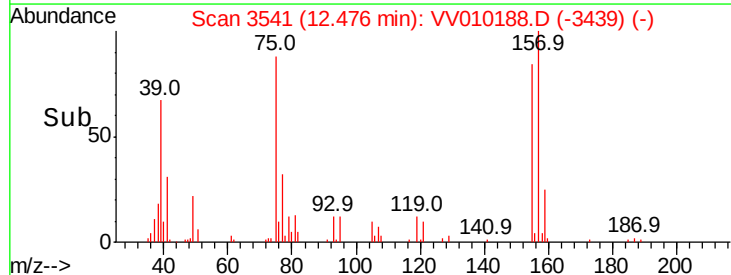
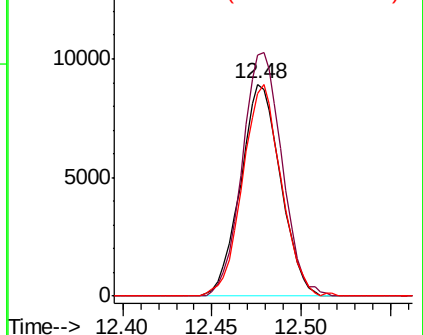
155 95.9 68.1 102.1

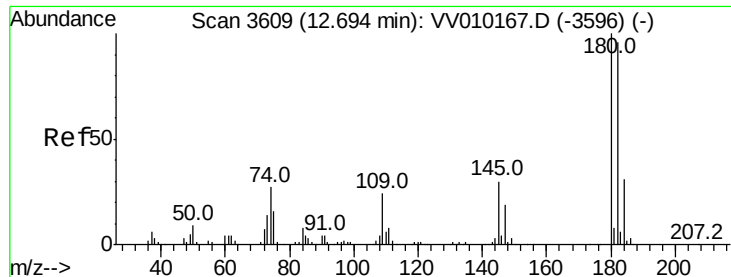


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

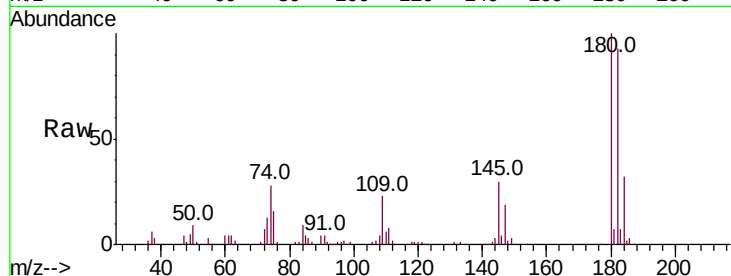




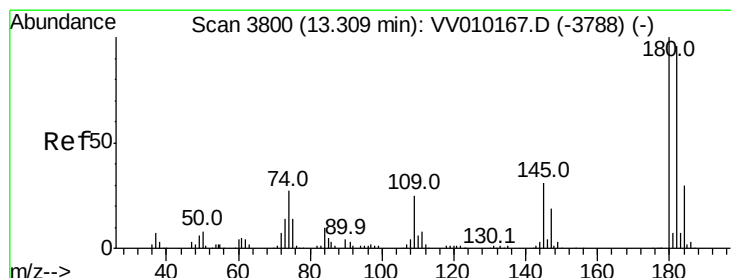
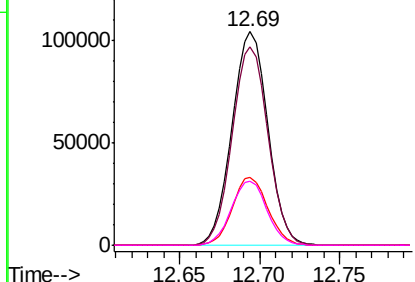
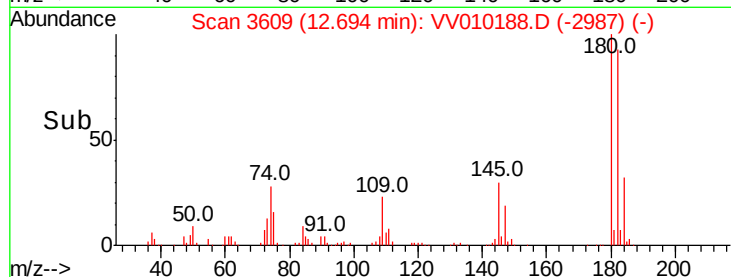
#67
 1,3,5-Trichlorobenzene
 Concen: 27.659 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

Tot Ion:180	Resp:	159006
Ion	Ratio	Lower Upper
180	100	
182	92.8	77.2 115.8
184	31.4	23.8 35.6
145	29.9	24.6 36.8

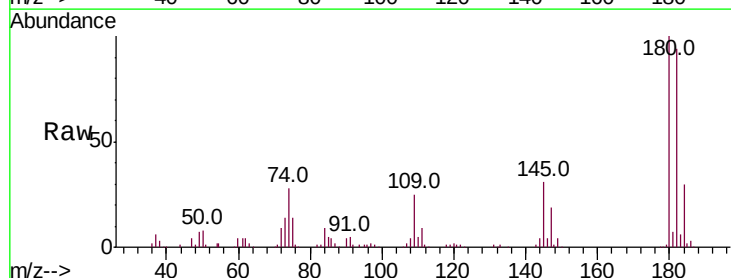


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

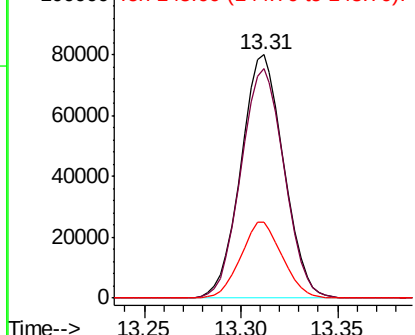
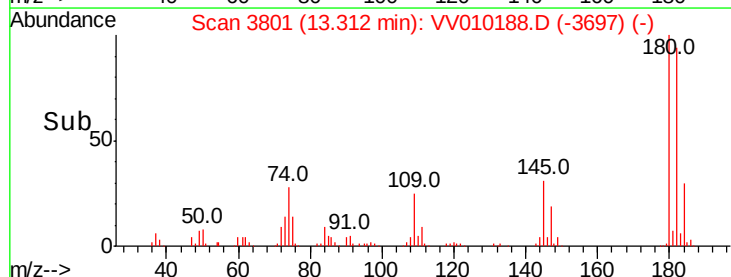


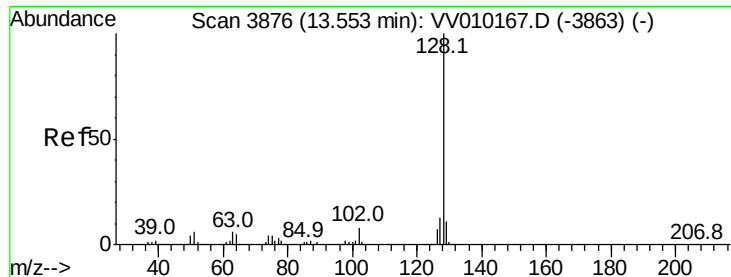
#68
 1,2,4-trichlorobenzene
 Concen: 28.004 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010188.D
 Acq: 08 Apr 2019 20:38

Tgt Ion:180	Resp:	123283
Ion	Ratio	Lower Upper
180	100	
182	95.3	75.7 113.5
145	30.6	24.6 37.0



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: 27.819 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02586

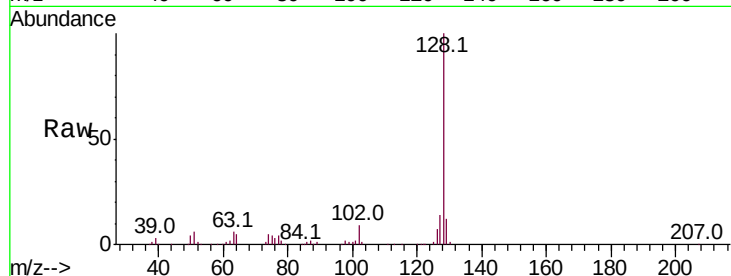
Tot Ion:128 Resp: 203753

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

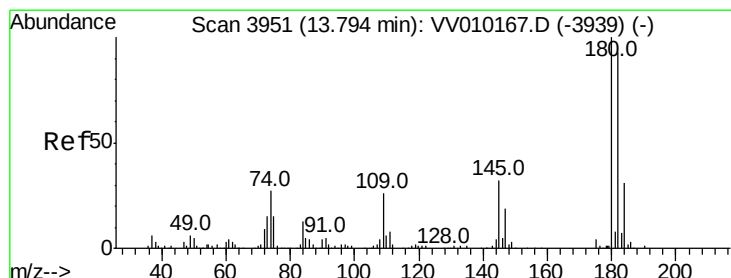
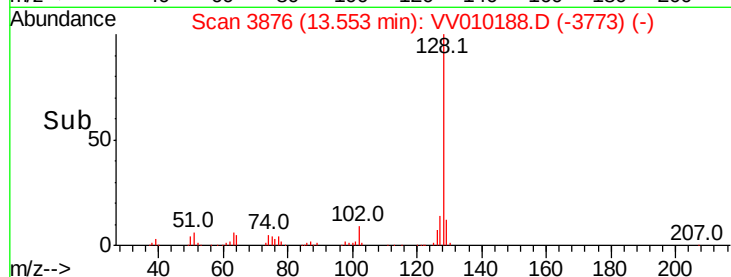
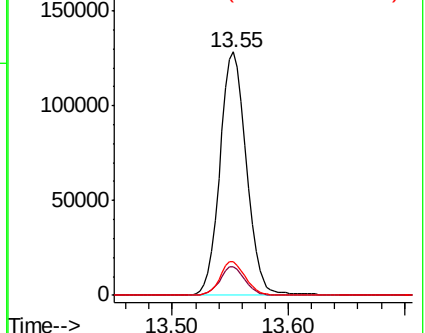
127 13.4 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 29.865 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010188.D

Acq: 08 Apr 2019 20:38

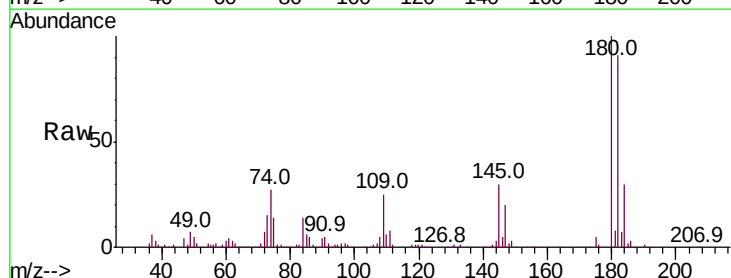
Tgt Ion:180 Resp: 122747

Ion Ratio Lower Upper

180 100

182 91.6 74.1 111.1

145 31.2 25.8 38.8



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

