

Data File : VV009195.D
Acq On : 08 Jan 2019 14:50
Operator : SY/MD
Sample : VSTD10081
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

Quant Time: Jan 08 15:10:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	264283	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	245493	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	128399	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	253635	140.36	ug/L	0.00
7) Chloroethane-d5	1.58	69	188102	107.28	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	663732	109.85	ug/L	0.00
20) 2-Butanone-d5	3.95	46	225014	176.94	ug/L	0.00
24) Chloroform-d	4.40	84	628137	112.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	353348	118.69	ug/L	0.00
29) Benzene-d6	5.10	84	1258419	115.04	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	360890	115.08	ug/L	0.00
37) Toluene-d8	7.36	98	1196364	115.95	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	191931	128.99	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	155537	210.14	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	369718	107.27	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	467733	107.78	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	411813	96.939	ug/L	99
3) Chloromethane	1.25	50	284675	98.941	ug/L	99
5) Vinyl chloride	1.32	62	292695	95.006	ug/L	97
6) Bromomethane	1.53	94	190042	87.573	ug/L	98
8) Chloroethane	1.60	64	157587	83.001	ug/L	98
9) Trichlorofluoromethane	1.76	101	557124	98.638	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	338647	90.027	ug/L	97
12) 1,1-Dichloroethene	2.14	96	302108	92.607	ug/L	89
13) Acetone	2.21	43	305402	169.449	ug/L	93
14) Carbon disulfide	2.31	76	1036931	111.239	ug/L	100
15) Methyl Acetate	2.47	43	192190	86.180	ug/L	93
16) Methylene chloride	2.53	84	338773	85.802	ug/L	88
17) Methyl tert-butyl Ether	2.81	73	863845	108.108	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	344716	99.709	ug/L	98
19) 1,1-Dichloroethane	3.23	63	558883	97.349	ug/L	99
21) 2-Butanone	4.03	43	316620	200.845	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	374122	101.227	ug/L	99
23) Bromochloromethane	4.30	128	182190	104.779	ug/L	96
25) Chloroform	4.43	83	604238	98.834	ug/L	100
27) 1,2-Dichloroethane	5.18	62	423338	103.087	ug/L	99
30) Cyclohexane	4.73	56	532404	97.827	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	557101	93.339	ug/L	99
32) Carbon tetrachloride	4.88	117	518514	94.913	ug/L	99
34) Benzene	5.15	78	1294103	98.059	ug/L	100
35) Trichloroethene	5.96	95	363264	95.544	ug/L	99
36) Methylcyclohexane	6.18	83	628785	98.980	ug/L	99
40) 1,2-Dichloropropane	6.22	63	320315	100.700	ug/L	100
41) Bromodichloromethane	6.56	83	455885	104.559	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	550024	109.120	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	514937	169.833	ug/L	99

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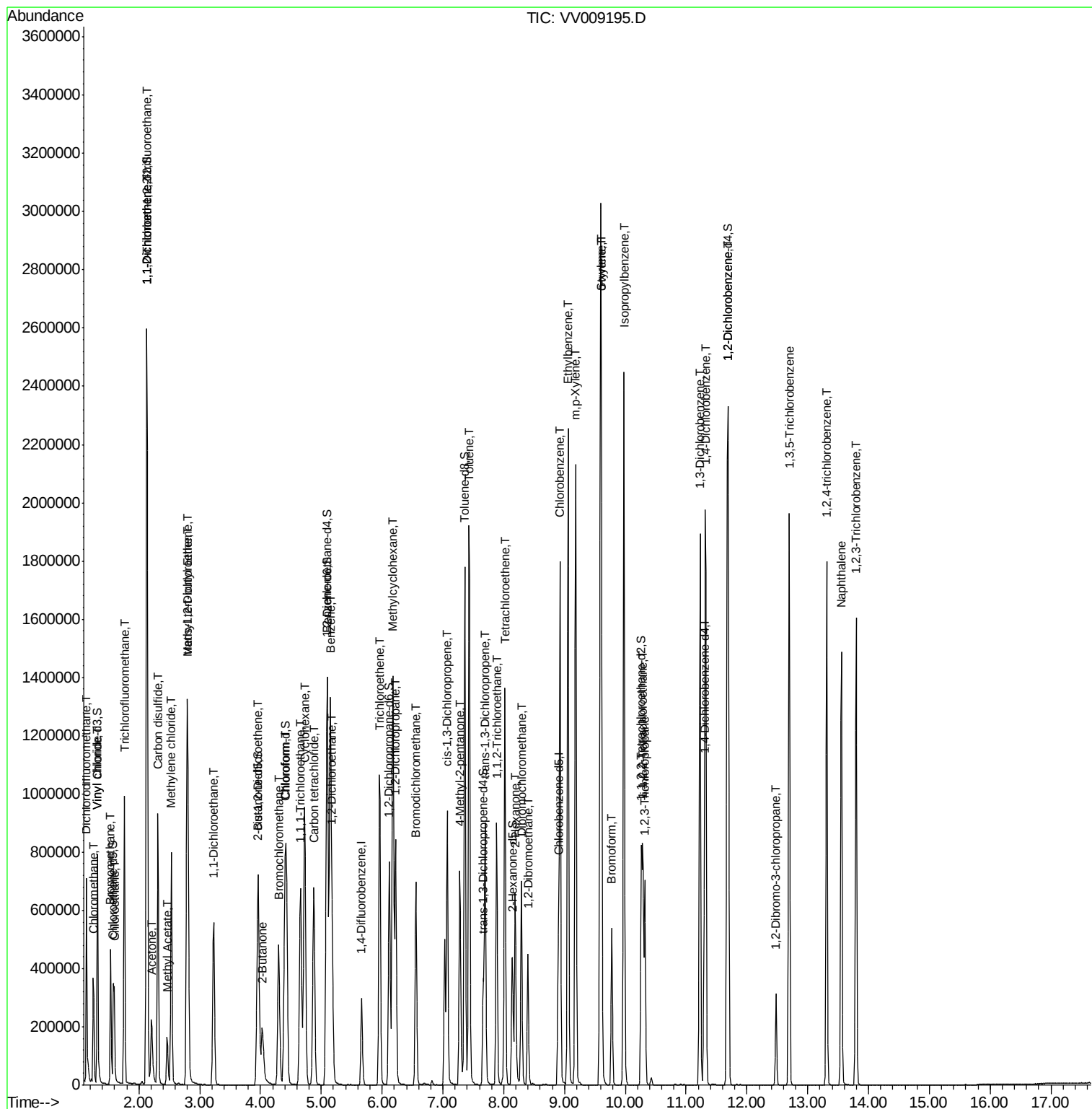
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1393999	97.972	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	490129	111.062	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	284349	101.141	ug/L	99
47) Tetrachloroethene	8.02	164	312670	94.922	ug/L	99
49) 2-Hexanone	8.19	43	413549	185.329	ug/L	98
50) Dibromochloromethane	8.29	129	369603	107.013	ug/L	98
51) 1,2-Dibromoethane	8.40	107	300129	102.094	ug/L	97
52) Chlorobenzene	8.93	112	961895	98.527	ug/L	99
53) Ethylbenzene	9.06	91	1602842	99.611	ug/L	100
54) m,p-Xylene	9.18	106	625704	99.806	ug/L	99
55) o-xylene	9.59	106	595056	102.653	ug/L	98
56) Styrene	9.60	104	1020883	104.412	ug/L	98
57) Isopropylbenzene	9.98	105	1604963	99.790	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	373469	99.147	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	283012	94.000	ug/L	99
62) Bromoform	9.78	173	240332	105.984	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	791079	97.783	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	793241	94.064	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	740925	96.144	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	74044	92.547	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	621057	95.186	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	542602	102.171	ug/L	100
69) Naphthalene	13.55	128	1176862	108.795	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	492603	101.072	ug/L	99

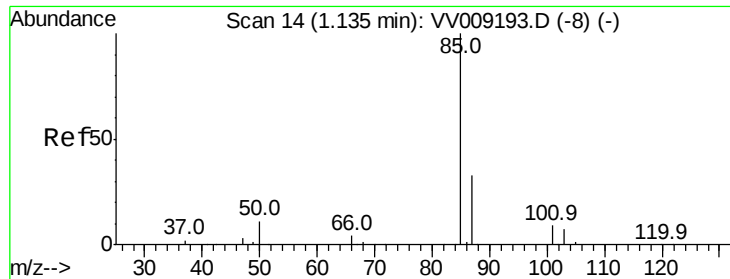
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 96.939 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

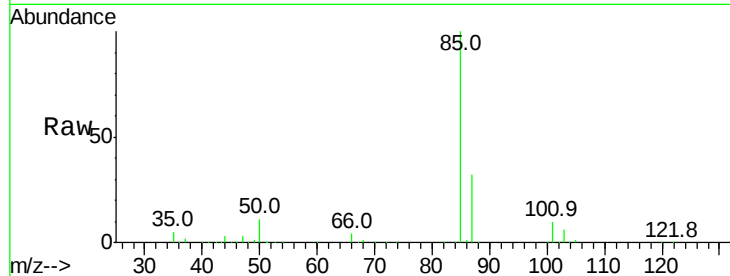
VSTD10081

Tgt Ion: 85 Resp: 411813

Ion Ratio Lower Upper

85 100

87 32.3 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV009195.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009195.D (-8) (-)

1.14

400000

300000

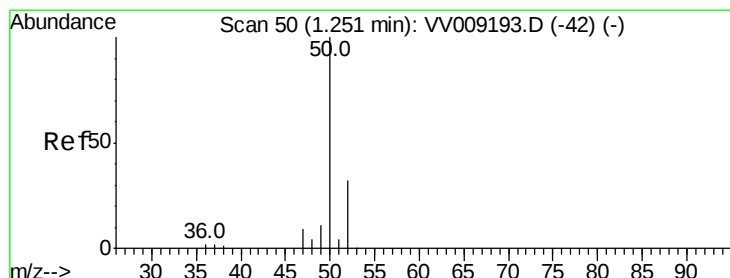
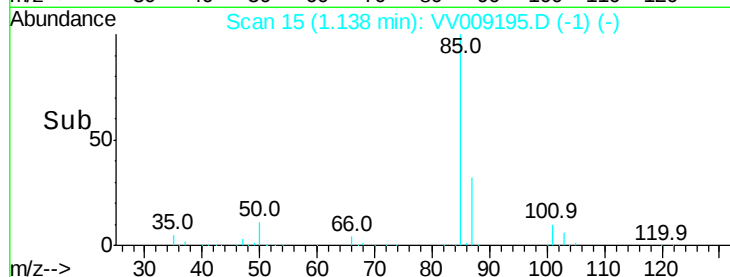
200000

100000

0

1.10 1.20 1.30

Time-->



#3

Chloromethane

Concen: 98.941 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009195.D

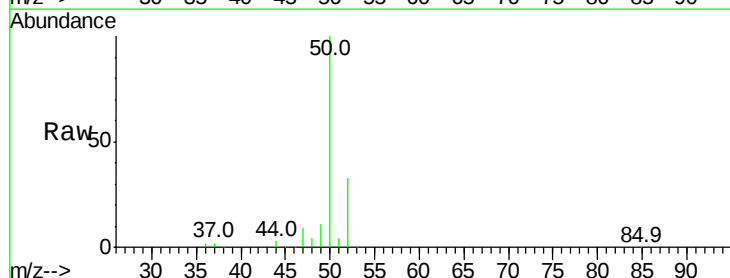
Acq: 08 Jan 2019 14:50

Tgt Ion: 50 Resp: 284675

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV009195.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV009195.D (-42) (-)

1.25

250000

200000

150000

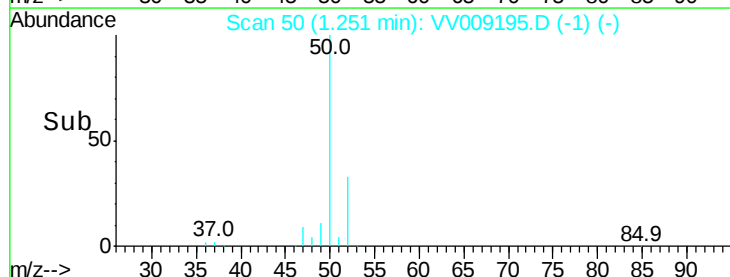
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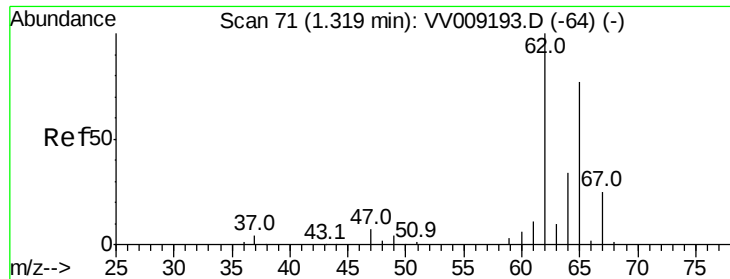
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 95.006 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

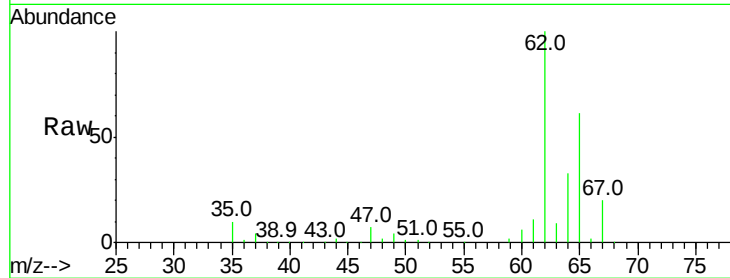
VSTD10081

Tgt Ion: 62 Resp: 292695

Ion Ratio Lower Upper

62 100

64 32.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

250000

200000

150000

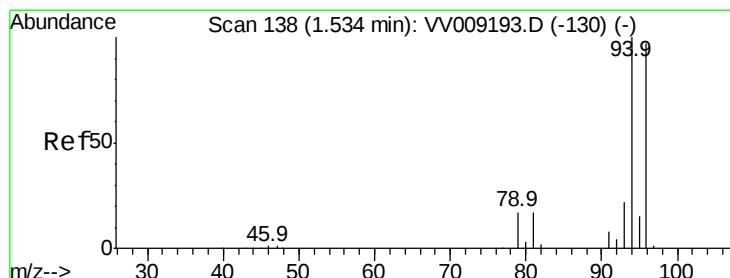
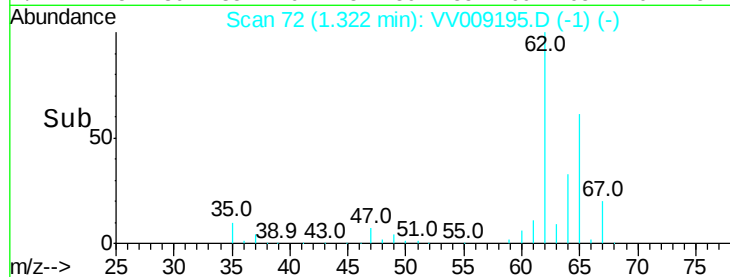
100000

50000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 87.573 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV009195.D

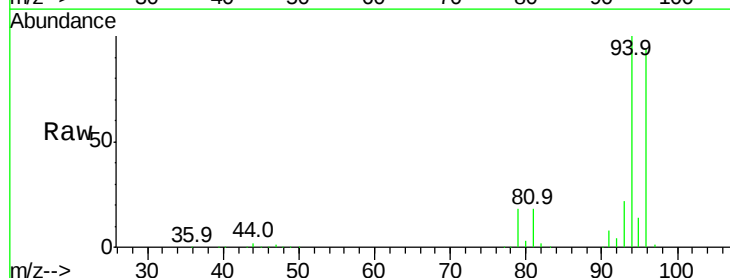
Acq: 08 Jan 2019 14:50

Tgt Ion: 94 Resp: 190042

Ion Ratio Lower Upper

94 100

96 94.3 9.6 183.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

150000

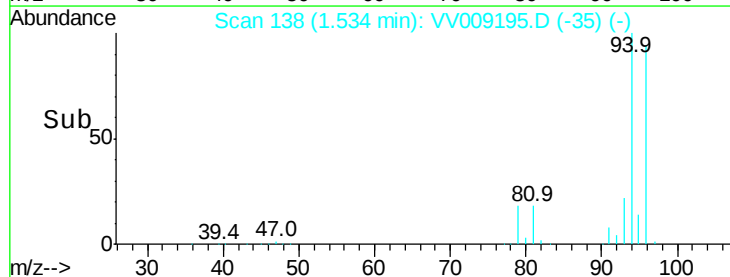
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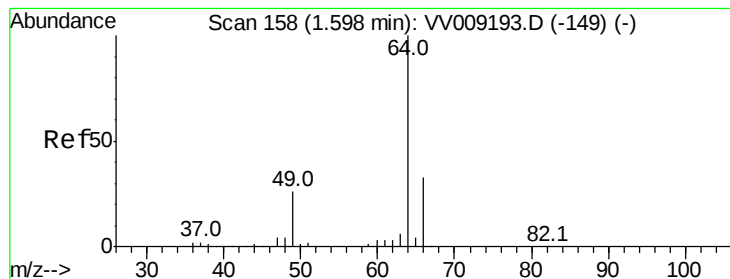
50000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 83.001 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

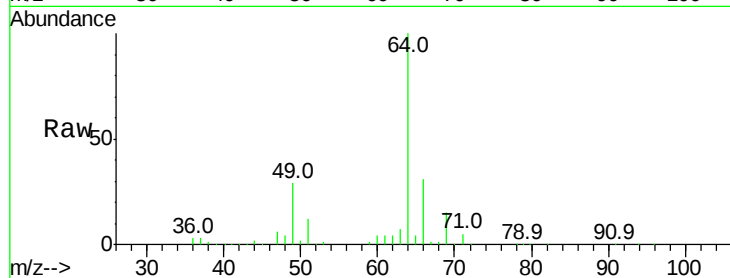
VSTD10081

Tgt Ion: 64 Resp: 157587

Ion Ratio Lower Upper

64 100

66 31.5 22.7 42.3



Abundance Ion 64.00 (63.70 to 64.70): VV009195.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV009195.D (-149) (-)

1.60

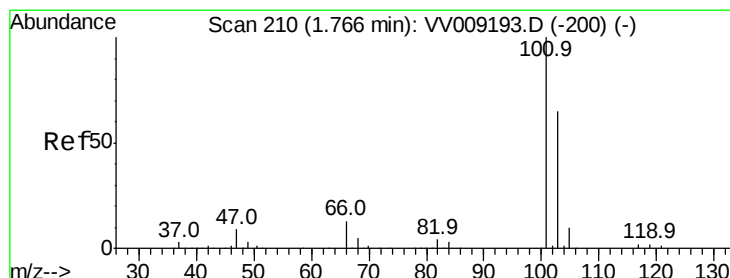
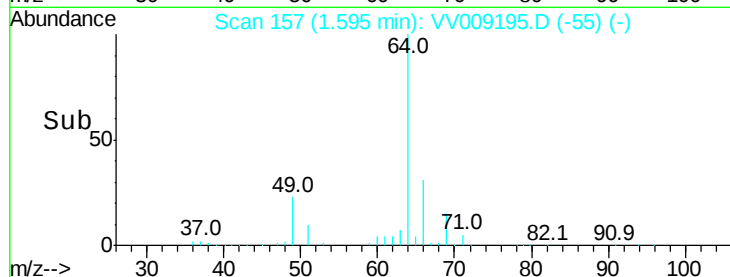
150000

100000

50000

0

Time--> 1.50 1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 98.638 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009195.D

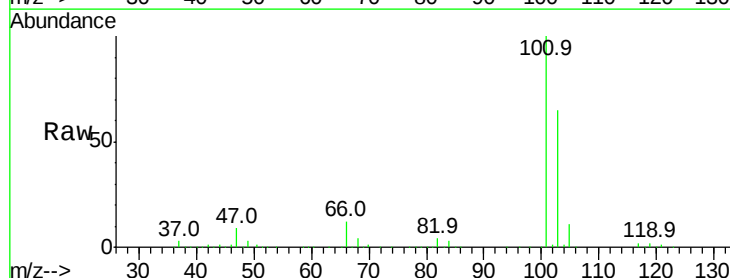
Acq: 08 Jan 2019 14:50

Tgt Ion: 101 Resp: 557124

Ion Ratio Lower Upper

101 100

103 64.8 45.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VV009195.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009195.D (-200) (-)

1.76

500000

400000

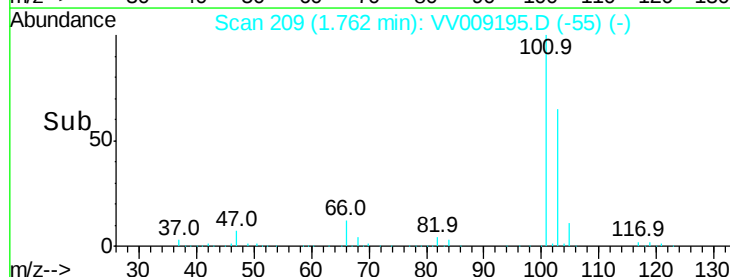
300000

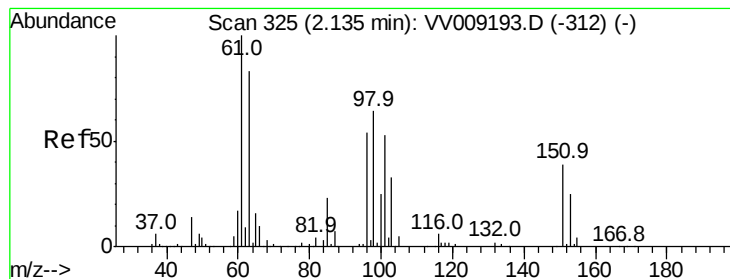
200000

100000

0

Time--> 1.70 1.75 1.80 1.85





#11

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

Concen: 90.027 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

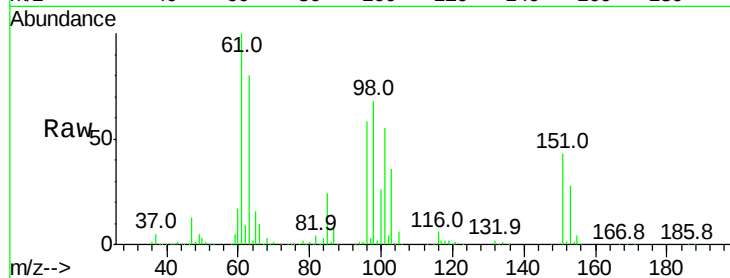
Tgt Ion: 101 Resp: 338647

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

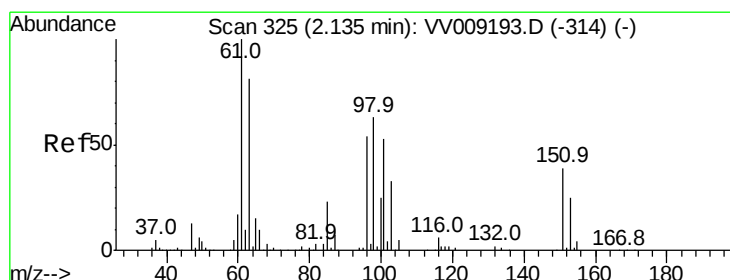
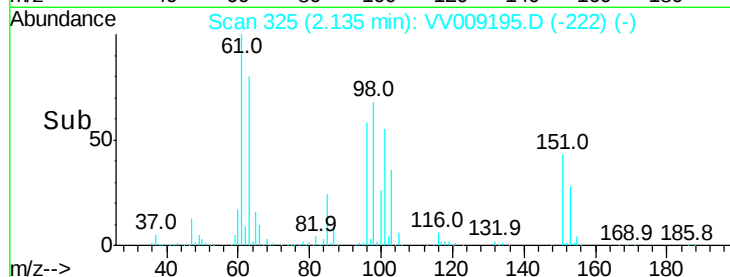
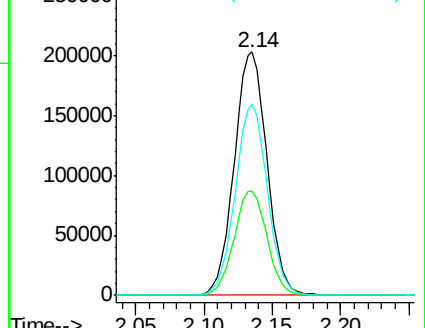
151 77.3 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): VV009195.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009195.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009195.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 92.607 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

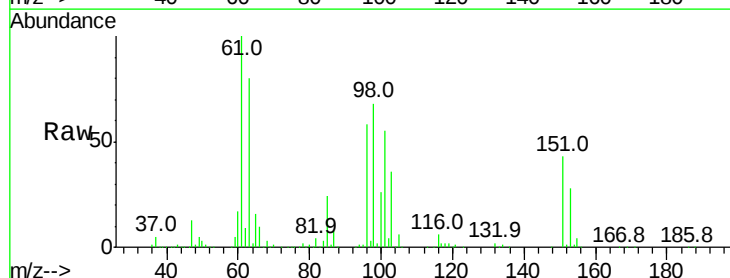
Tgt Ion: 96 Resp: 302108

Ion Ratio Lower Upper

96 100

61 172.1 130.3 241.9

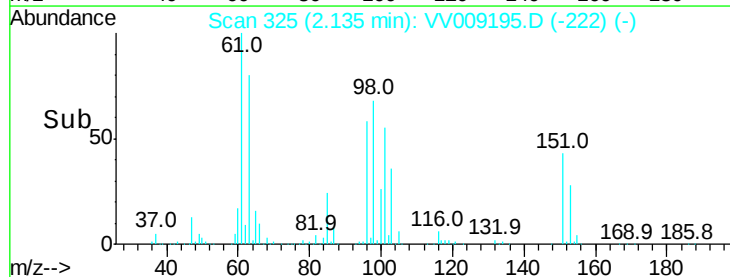
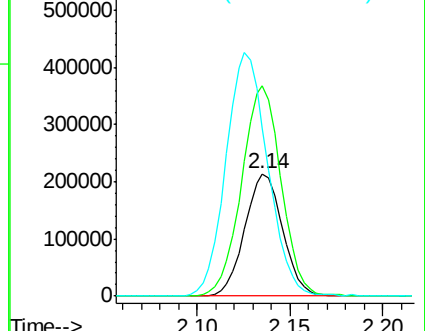
63 137.6 107.8 200.2

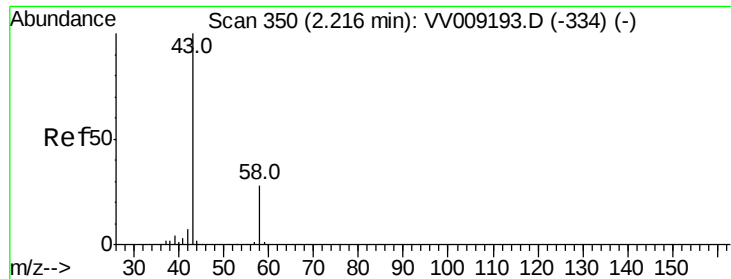


Abundance Ion 96.00 (95.70 to 96.70): VV009195.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009195.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009195.D (-222) (-)





#13

Acetone

Concen: 169.449 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

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MSVOA_V

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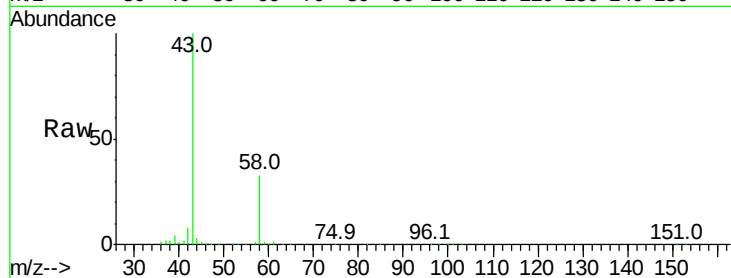
VSTD10081

Tgt Ion: 43 Resp: 305402

Ion Ratio Lower Upper

43 100

58 32.9 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV009193.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009193.D (-334) (-)

2.21

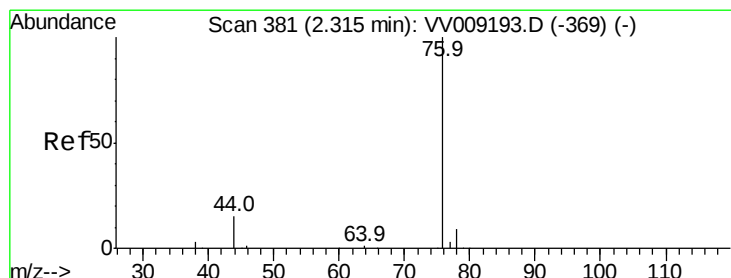
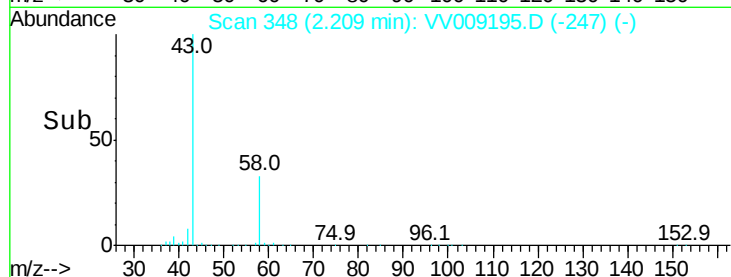
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 111.239 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009195.D

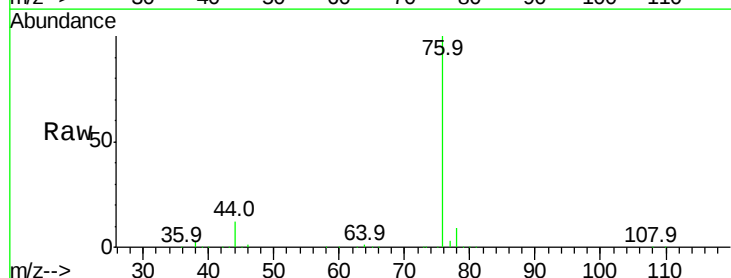
Acq: 08 Jan 2019 14:50

Tgt Ion: 76 Resp: 1036931

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009193.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009193.D (-369) (-)

2.31

800000

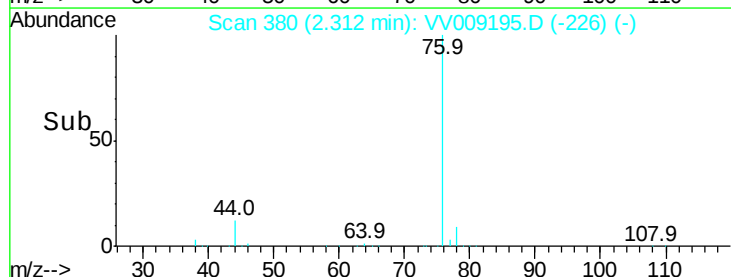
600000

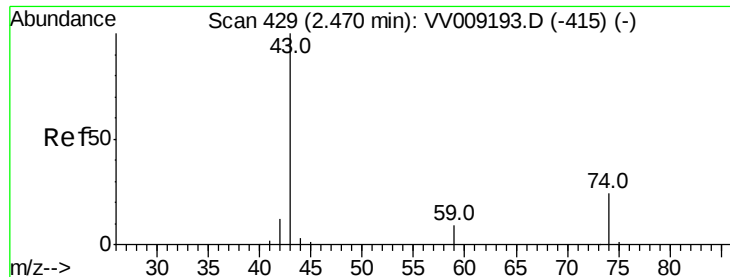
400000

200000

0

Time--> 2.20 2.30 2.40

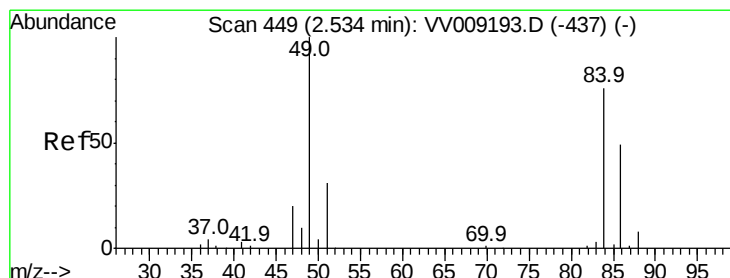
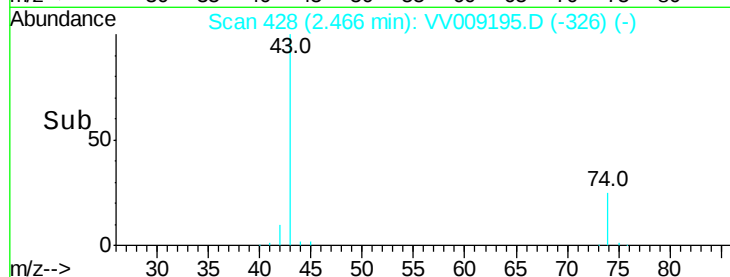
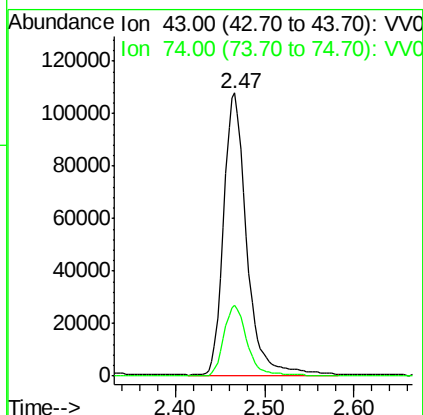
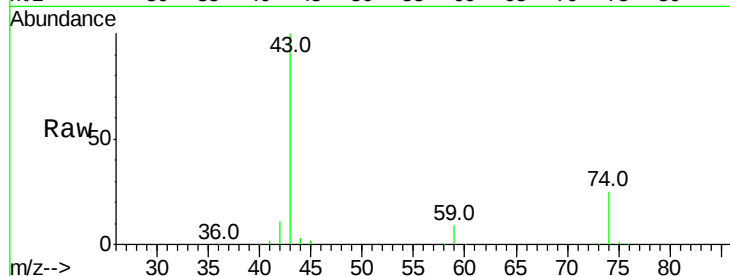




#15
Methyl Acetate
Concen: 86.180 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV009195.D
Acq: 08 Jan 2019 14:50

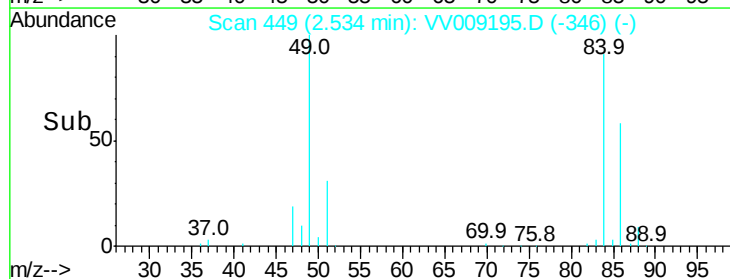
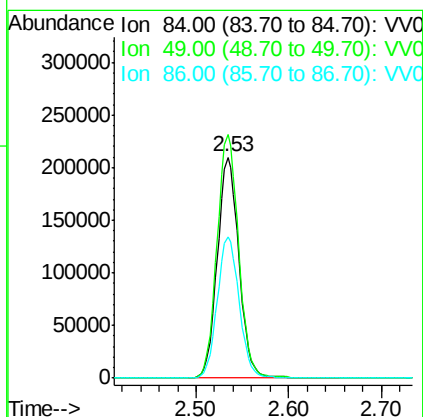
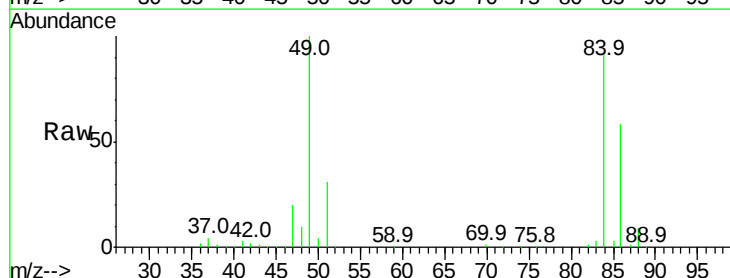
Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

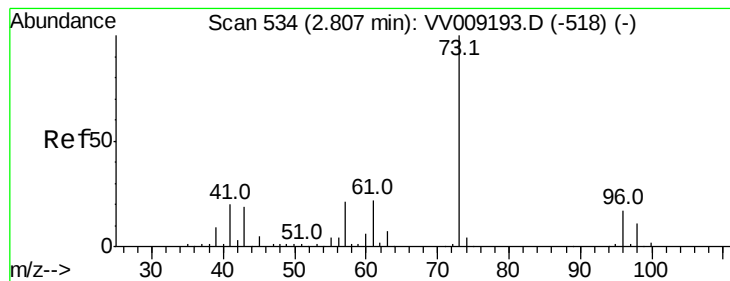
Tgt Ion: 43 Resp: 192190
Ion Ratio Lower Upper
43 100
74 25.7 17.8 26.8



#16
Methylene chloride
Concen: 85.802 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009195.D
Acq: 08 Jan 2019 14:50

Tgt Ion: 84 Resp: 338773
Ion Ratio Lower Upper
84 100
49 110.4 92.0 170.9
86 64.3 44.9 83.3



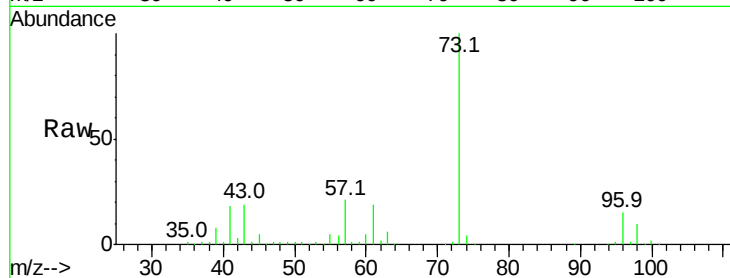


#17

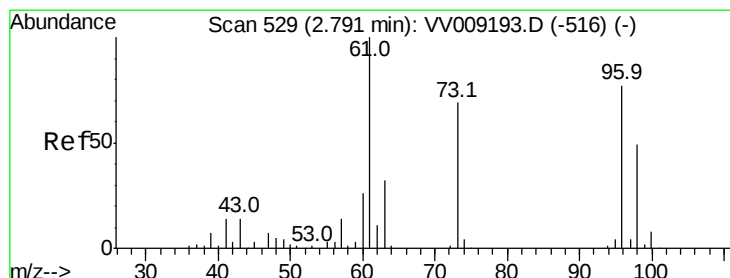
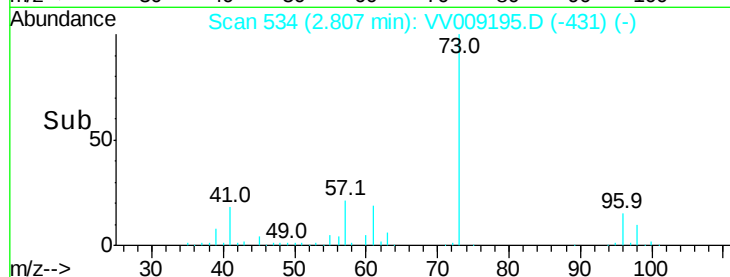
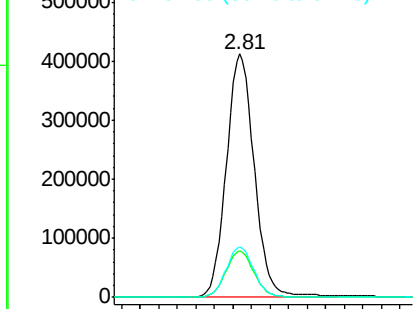
Methyl tert-butyl Ether
 Concen: 108.108 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10081

Tgt Ion: 73 Resp: 863845
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.4 23.0
 57 20.6 16.4 24.6



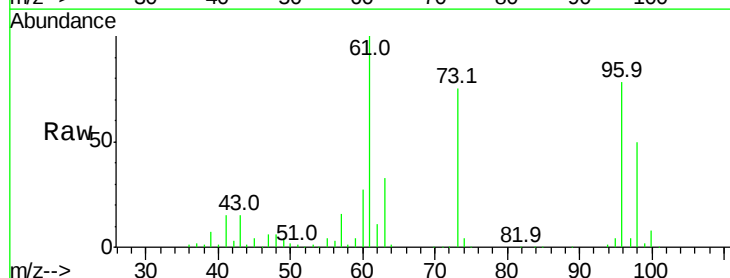
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



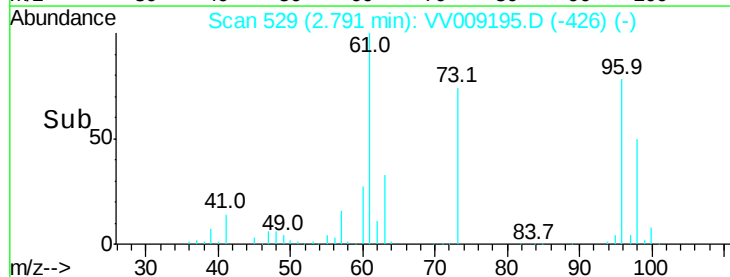
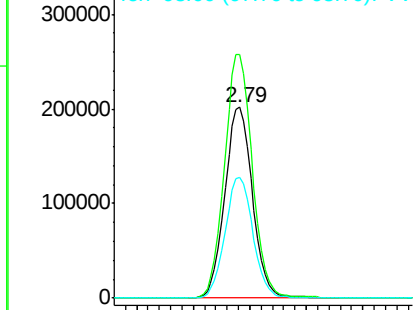
#18

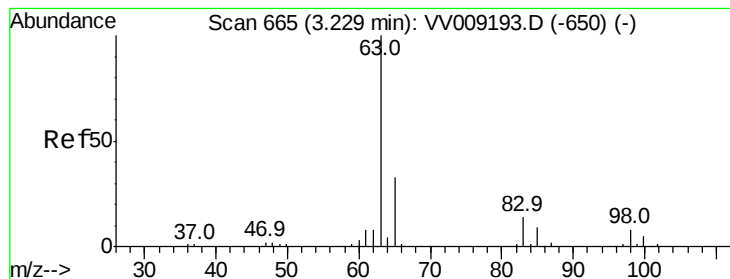
trans-1,2-Dichloroethene
 Concen: 99.709 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Tgt Ion: 96 Resp: 344716
 Ion Ratio Lower Upper
 96 100
 61 127.6 91.3 169.5
 98 63.5 44.6 82.8



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





#19

1,1-Dichloroethane

Concen: 97.349 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

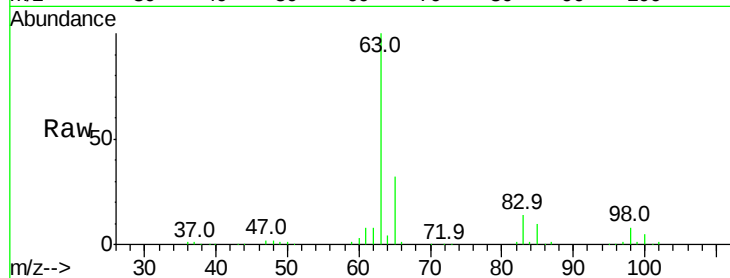
Tgt Ion: 63 Resp: 558883

Ion Ratio Lower Upper

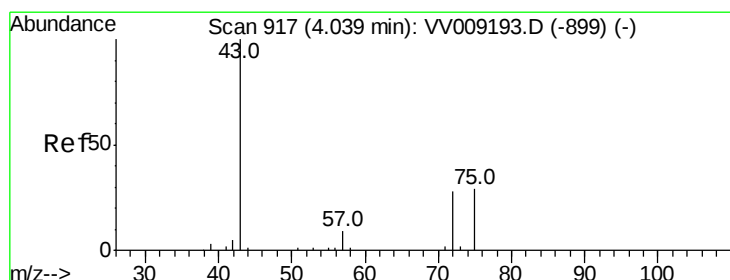
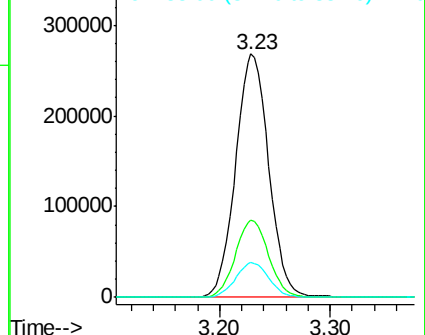
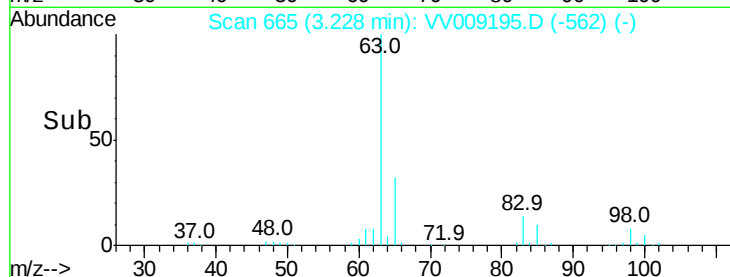
63 100

65 31.9 23.0 42.6

83 14.2 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV009195.D (-562) (-)



#21

2-Butanone

Concen: 200.845 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.01 min

Lab File: VV009195.D

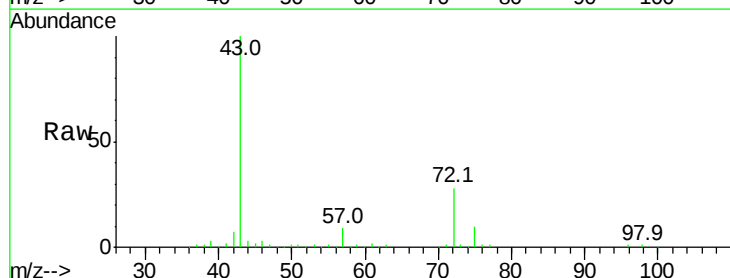
Acq: 08 Jan 2019 14:50

Tgt Ion: 43 Resp: 316620

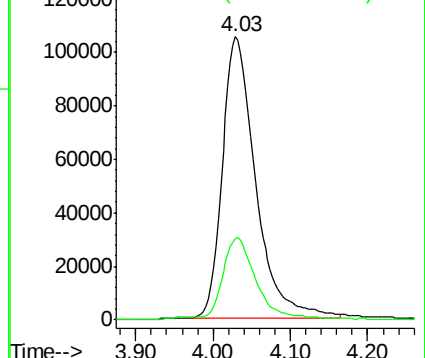
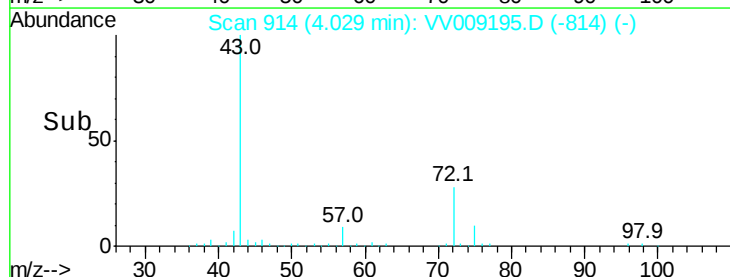
Ion Ratio Lower Upper

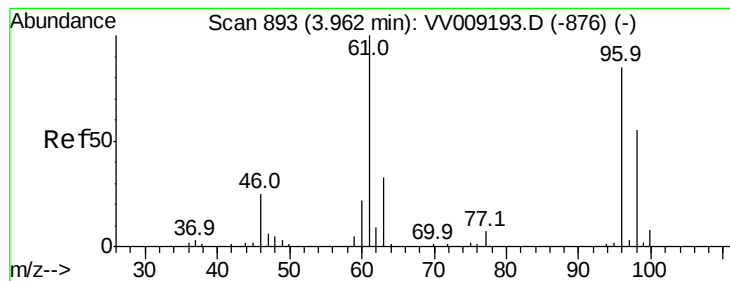
43 100

72 27.0 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VV009195.D (-814) (-)



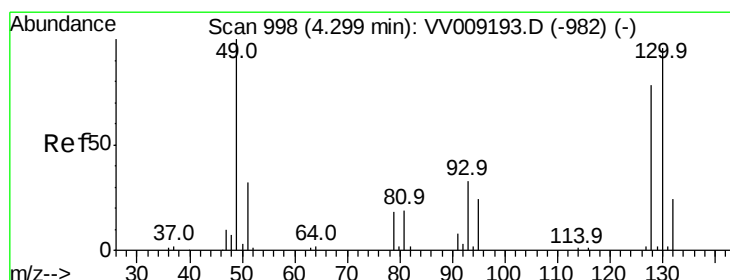
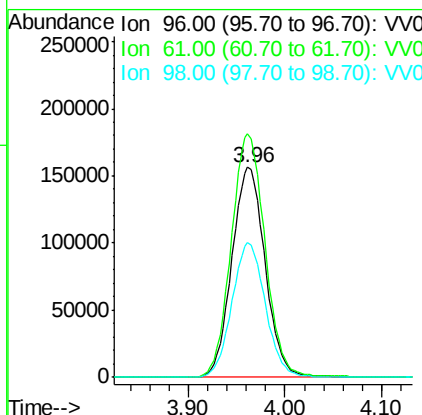
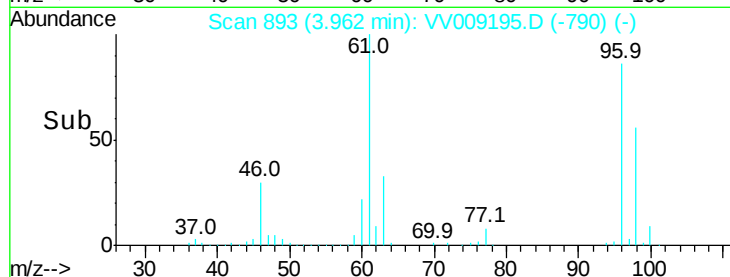
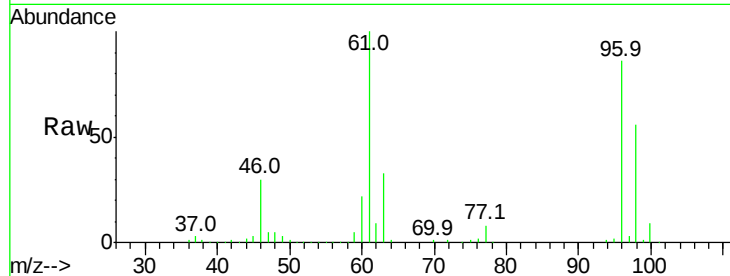


#22

cis-1,2-Dichloroethene
 Concen: 101.227 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

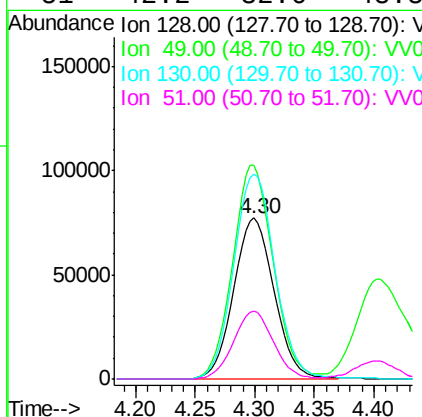
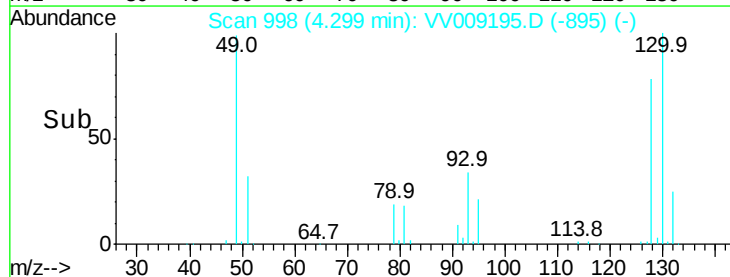
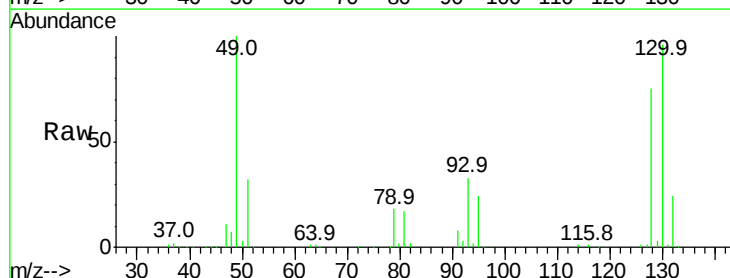
Tgt Ion: 96 Resp: 374122
 Ion Ratio Lower Upper
 96 100
 61 116.0 82.2 152.6
 98 64.5 45.1 83.9

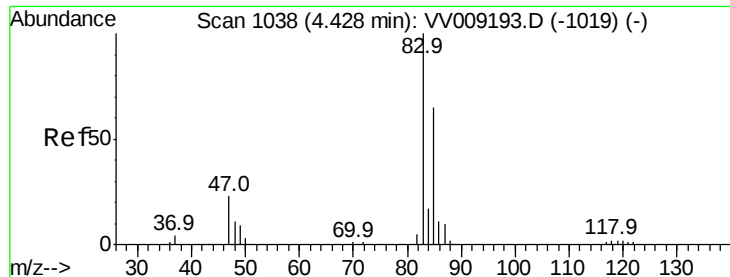


#23

Bromochloromethane
 Concen: 104.779 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Tgt Ion: 128 Resp: 182190
 Ion Ratio Lower Upper
 128 100
 49 132.7 89.2 165.6
 130 127.6 85.9 159.5
 51 42.2 32.6 48.8

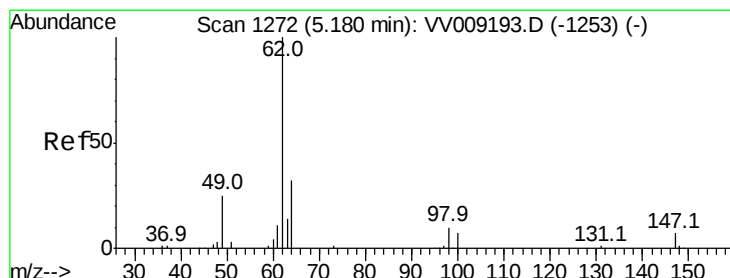
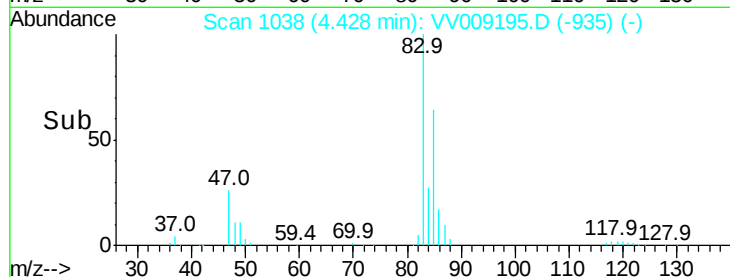
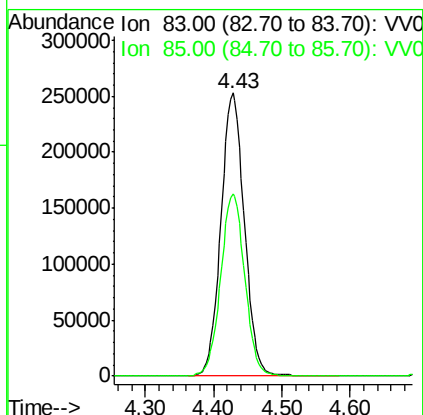
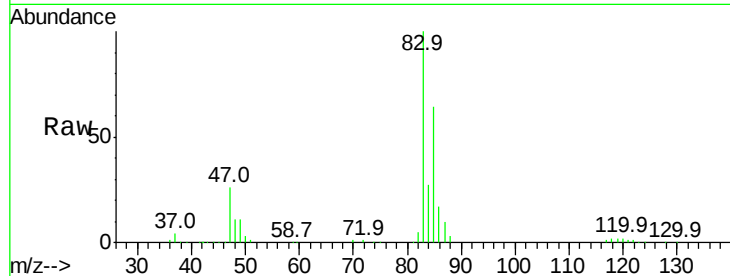




#25
Chloroform
Concen: 98.834 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009195.D
Acq: 08 Jan 2019 14:50

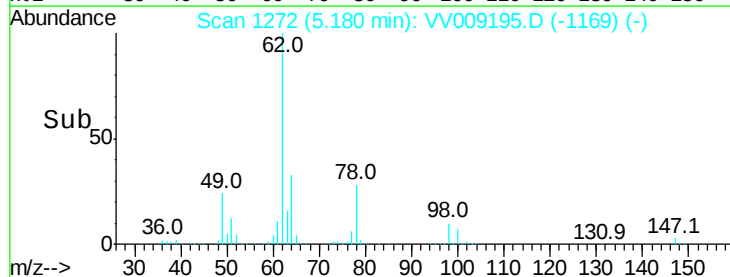
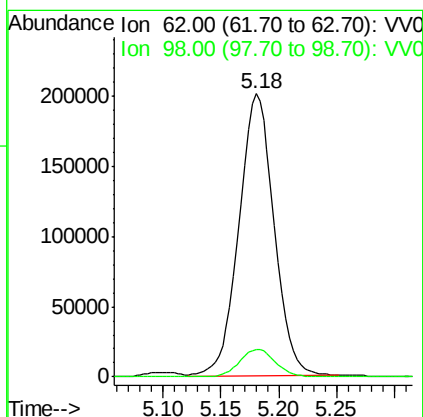
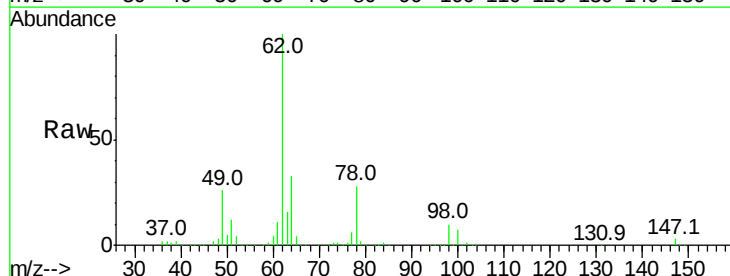
Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

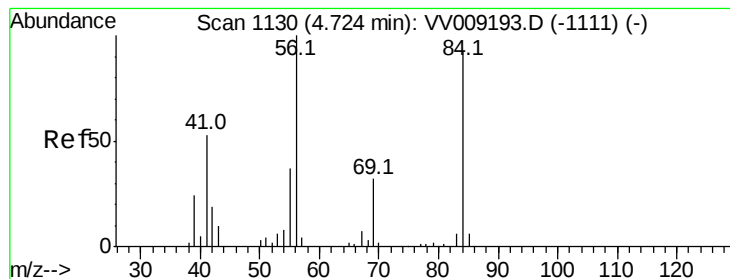
Tgt Ion: 83 Resp: 604238
Ion Ratio Lower Upper
83 100
85 66.2 46.2 85.8



#27
1,2-Dichloroethane
Concen: 103.087 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009195.D
Acq: 08 Jan 2019 14:50

Tgt Ion: 62 Resp: 423338
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2





#30

Cyclohexane

Concen: 97.827 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

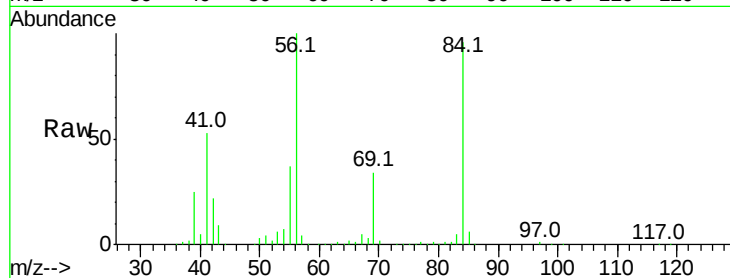
Tgt Ion: 56 Resp: 532404

Ion Ratio Lower Upper

56 100

69 32.7 25.9 38.9

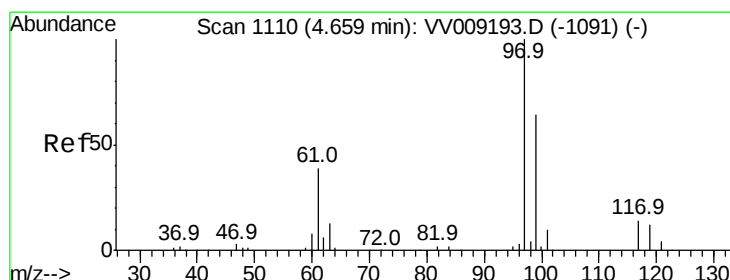
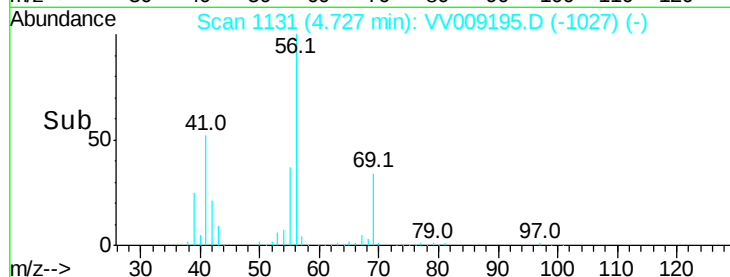
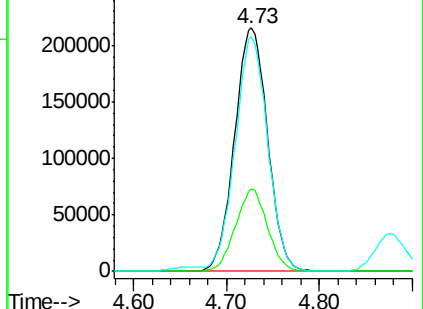
84 94.8 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VV009193.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV009193.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV009193.D (-1111) (-)



#31

1,1,1-Trichloroethane

Concen: 93.339 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

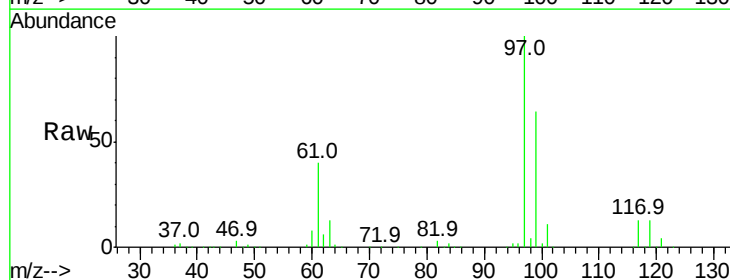
Tgt Ion: 97 Resp: 557101

Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

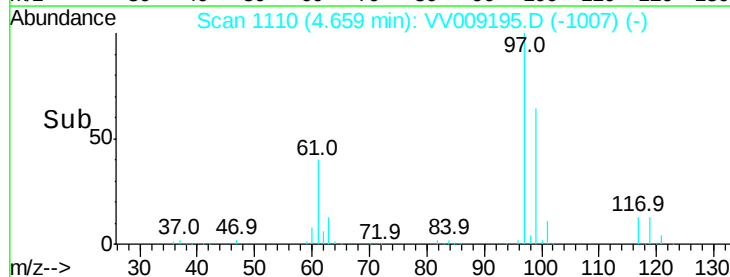
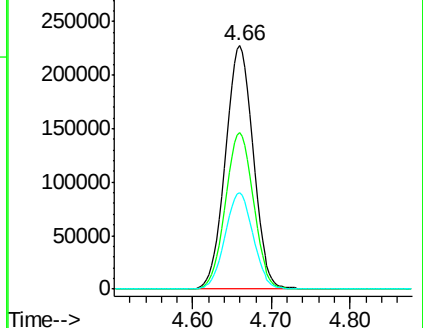
61 40.1 32.1 48.1

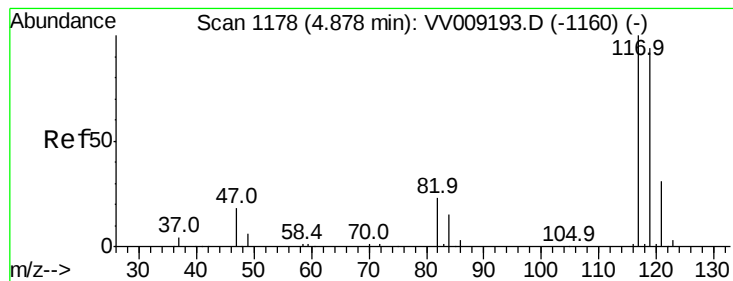


Abundance Ion 97.00 (96.70 to 97.70): VV009193.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV009193.D (-1091) (-)

Ion 61.00 (60.70 to 61.70): VV009193.D (-1091) (-)





#32

Carbon tetrachloride

Concen: 94.913 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

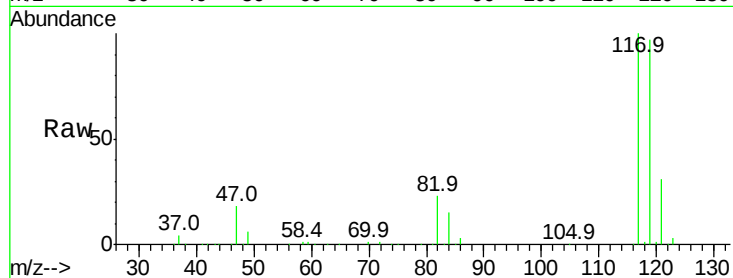
VSTD10081

Tgt Ion:117 Resp: 518514

Ion Ratio Lower Upper

117 100

119 96.3 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.88

250000

200000

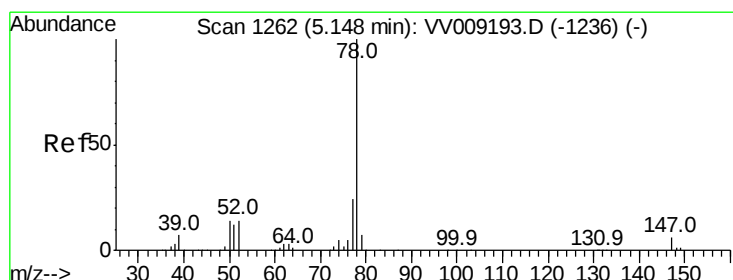
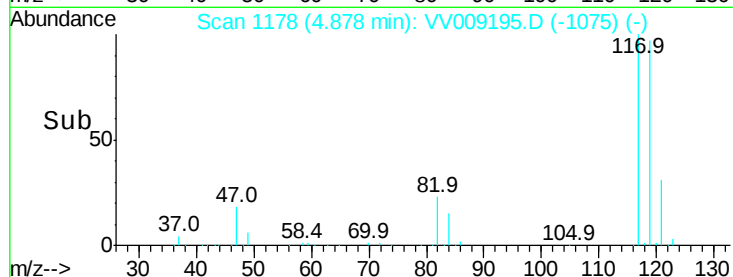
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 98.059 ug/L

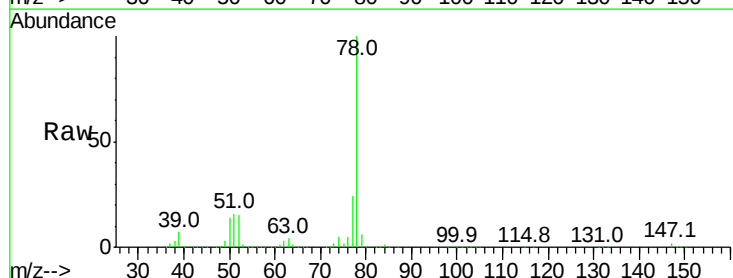
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Tgt Ion: 78 Resp: 1294103



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

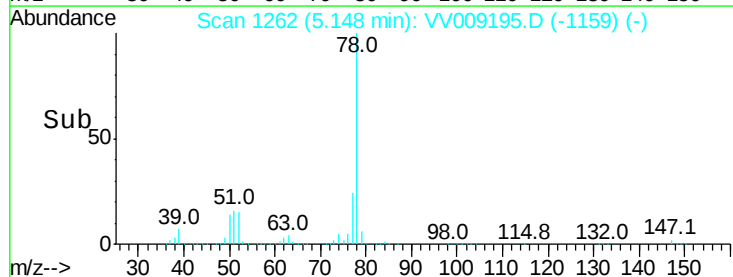
600000

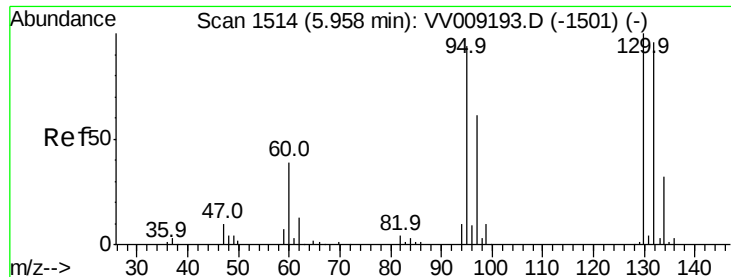
400000

200000

0

Time-->

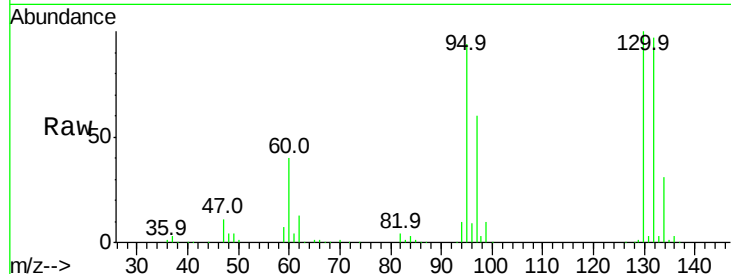




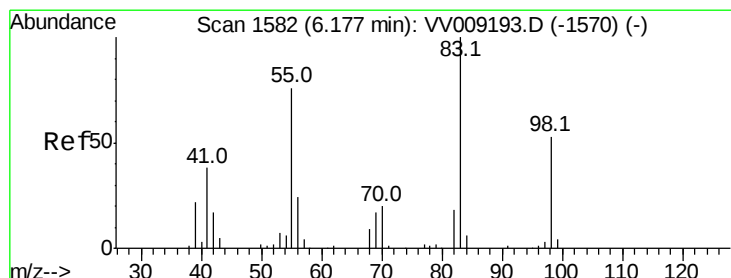
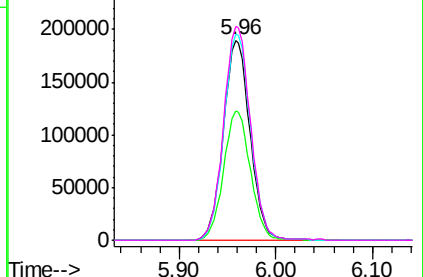
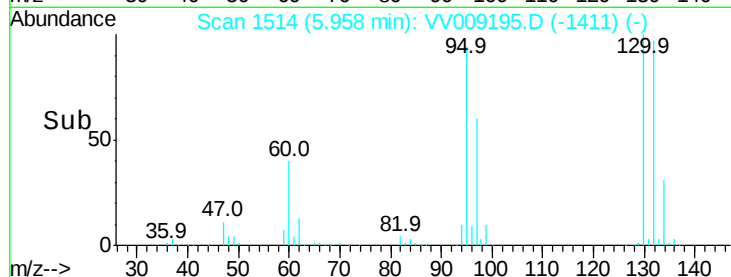
#35
 Trichloroethene
 Concen: 95.544 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

Tgt Ion: 95 Resp: 363264
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.7 82.9
 132 103.3 71.2 132.2
 130 107.6 74.4 138.2

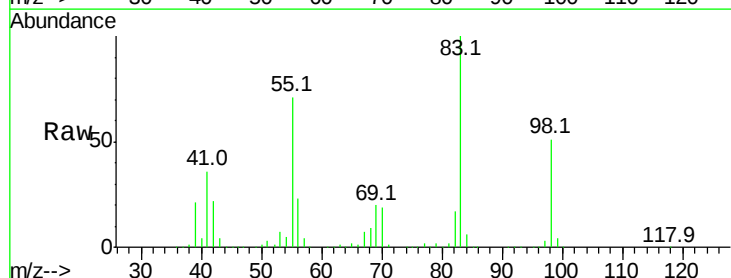


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

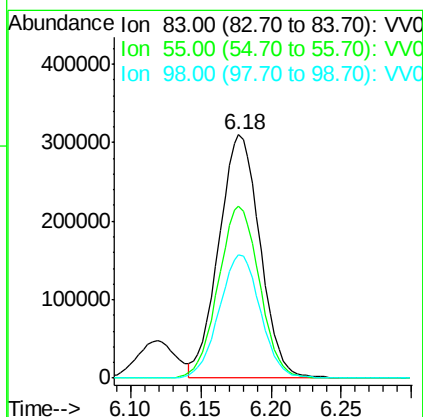
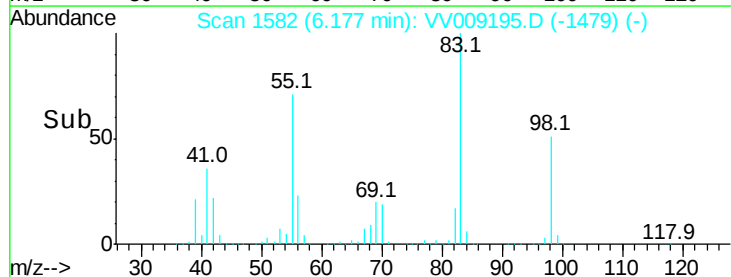


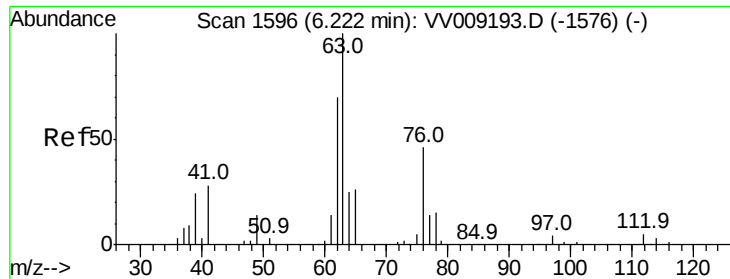
#36
 Methylcyclohexane
 Concen: 98.980 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Tgt Ion: 83 Resp: 628785
 Ion Ratio Lower Upper
 83 100
 55 71.1 57.6 86.4
 98 51.1 41.0 61.6



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

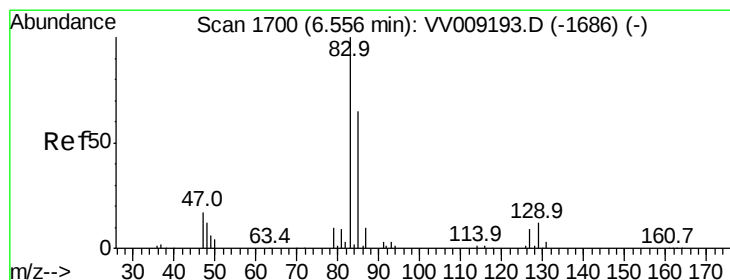
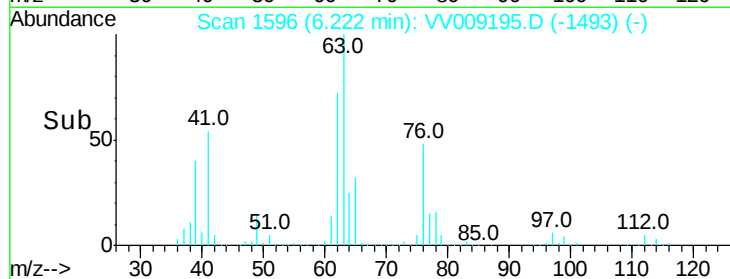
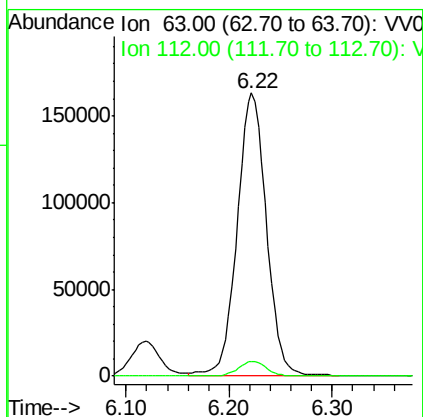
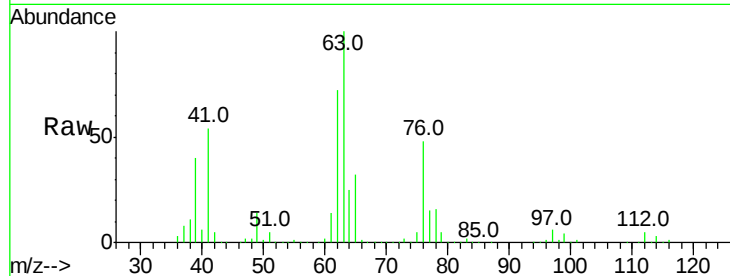




#40
 1,2-Dichloropropane
 Concen: 100.700 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

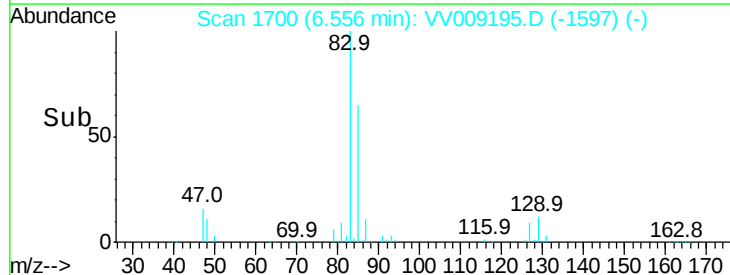
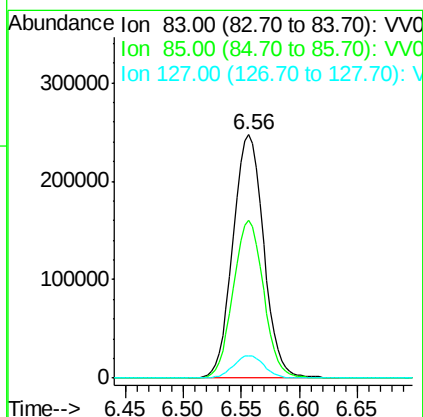
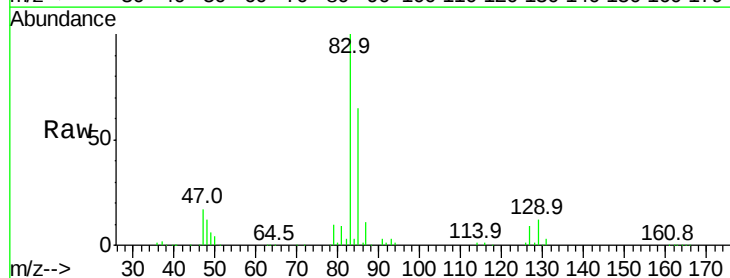
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

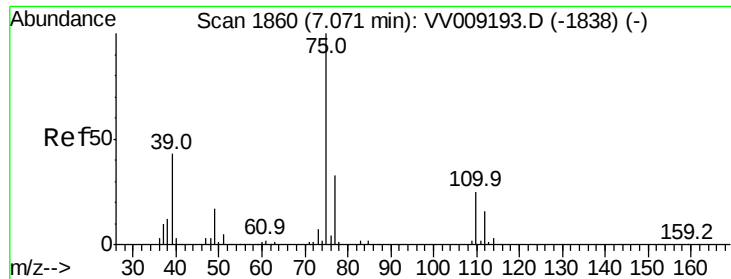
Tgt Ion: 63 Resp: 320315
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#41
 Bromodichloromethane
 Concen: 104.559 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Tgt Ion: 83 Resp: 455885
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.4 84.4
 127 9.4 7.2 10.8



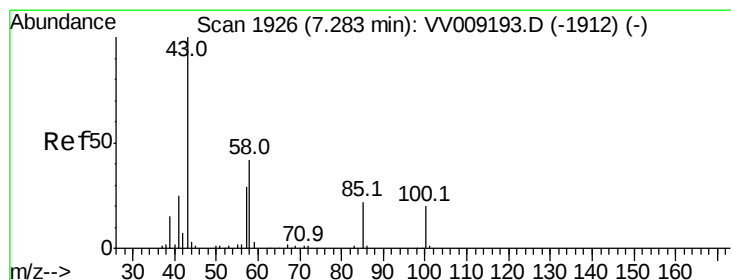
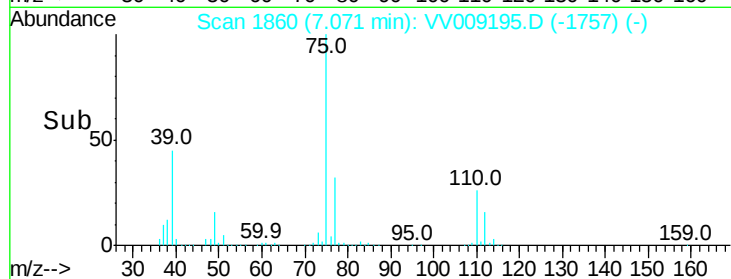
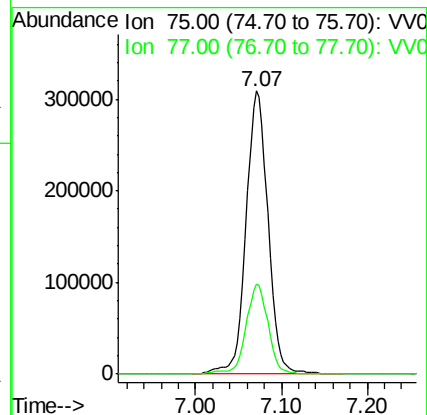
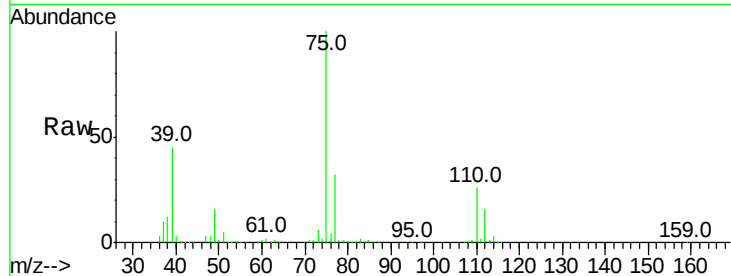


#42

cis-1,3-Dichloropropene
 Concen: 109.120 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

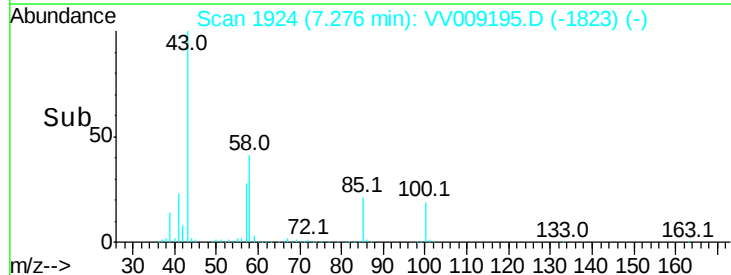
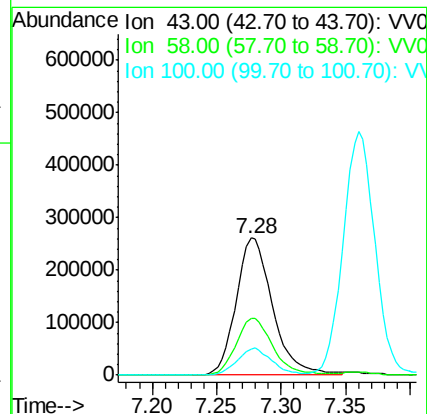
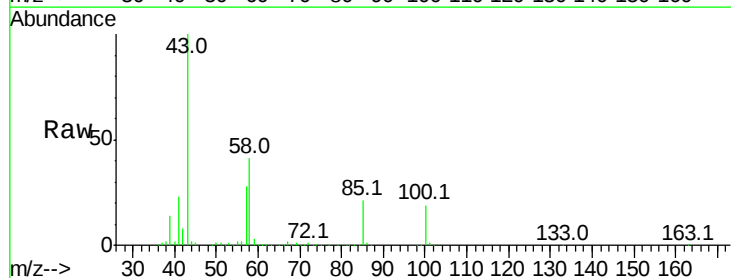
Tgt Ion: 75 Resp: 550024
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.3

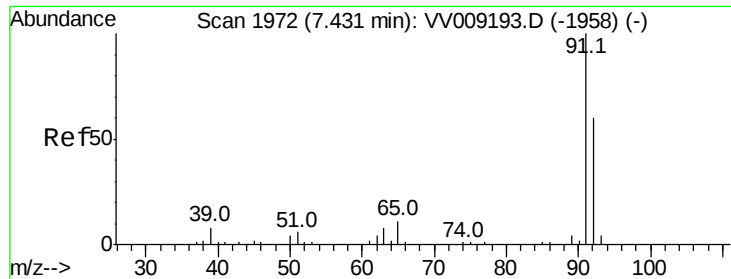


#43

4-Methyl-2-pentanone
 Concen: 169.833 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Tgt Ion: 43 Resp: 514937
 Ion Ratio Lower Upper
 43 100
 58 41.6 32.8 49.2
 100 18.9 15.0 22.4





#44

Toluene

Concen: 97.972 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

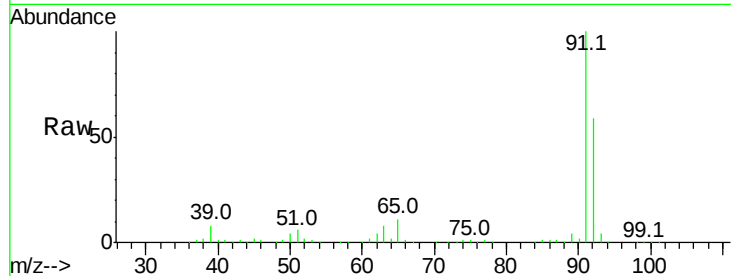
Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

Tgt Ion: 91 Resp: 1393999

Ion Ratio Lower Upper

91 100

92 59.4 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VV009195.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009195.D (-1869) (-)

7.43

800000

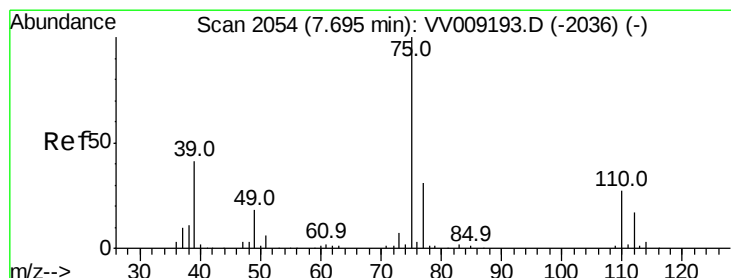
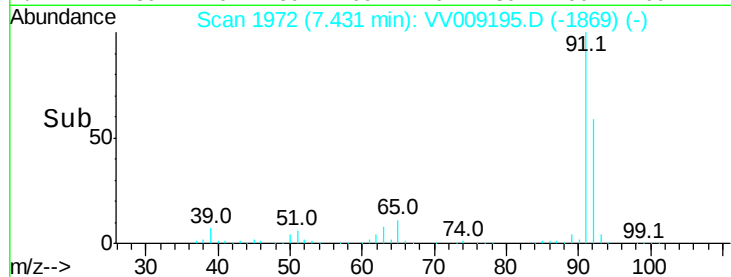
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 111.062 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009195.D

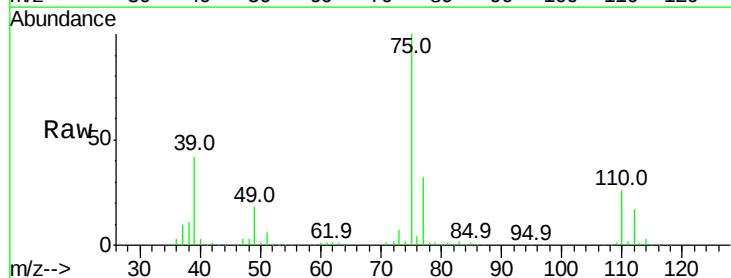
Acq: 08 Jan 2019 14:50

Tgt Ion: 75 Resp: 490129

Ion Ratio Lower Upper

75 100

77 31.6 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV009195.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009195.D (-1951) (-)

7.69

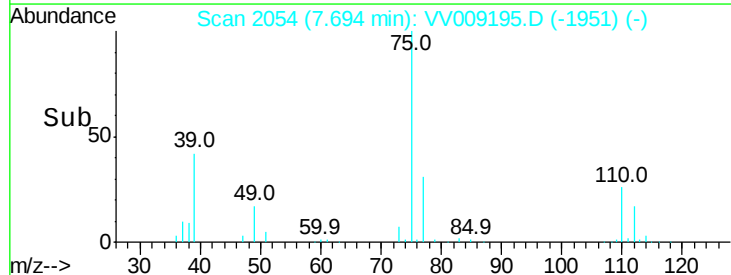
300000

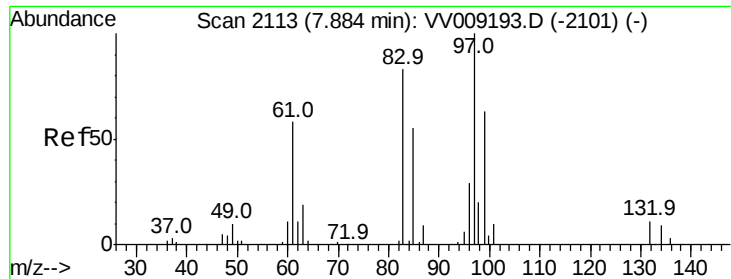
200000

100000

0

Time-->

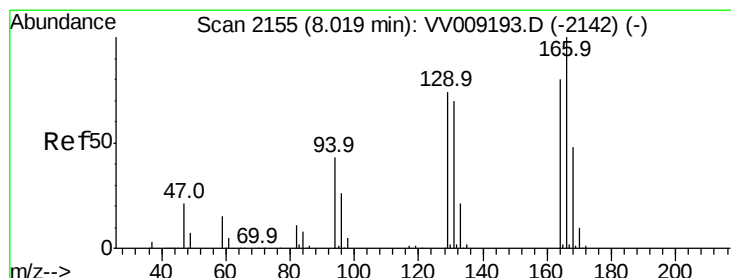
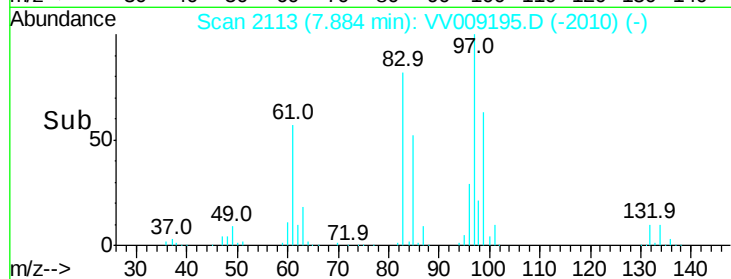
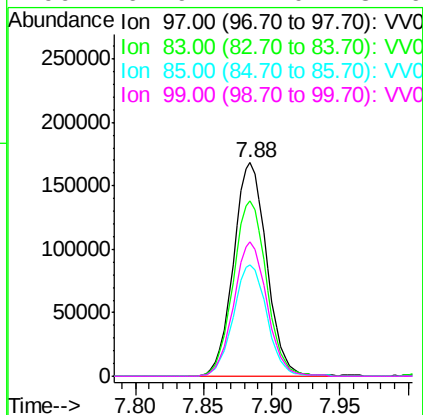
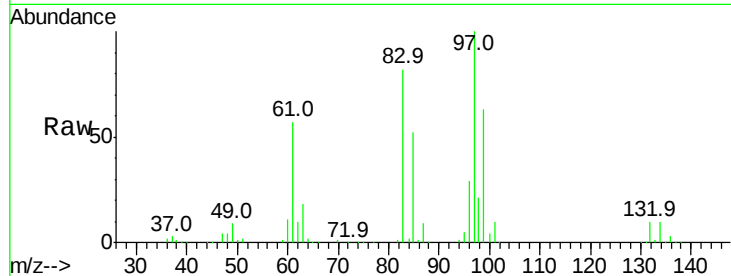




#46
 1,1,2-Trichloroethane
 Concen: 101.141 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

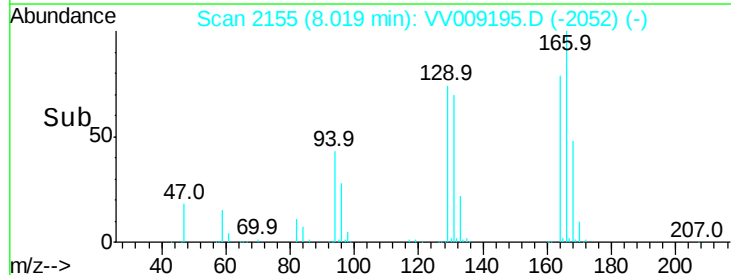
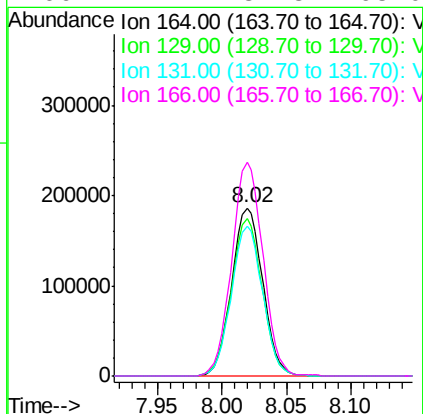
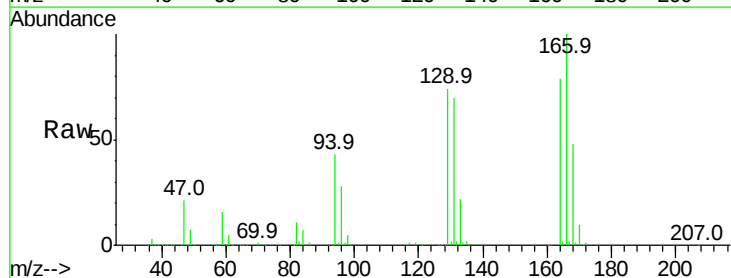
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

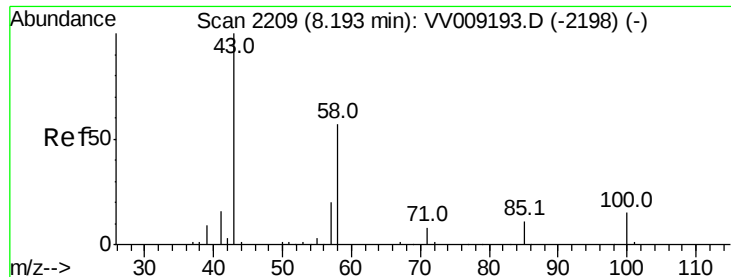
Tgt Ion:	97	Resp:	284349
Ion	Ratio	Lower	Upper
97	100		
83	82.1	58.0	107.6
85	52.3	38.4	71.4
99	62.9	44.0	81.6



#47
 Tetrachloroethene
 Concen: 94.922 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Tgt Ion:	164	Resp:	312670
Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.3	121.3
131	89.4	61.8	114.8
166	127.1	87.8	163.0

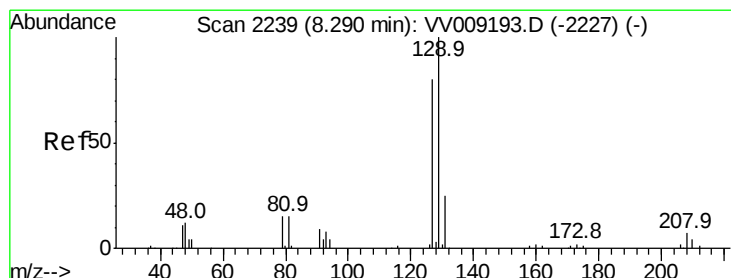
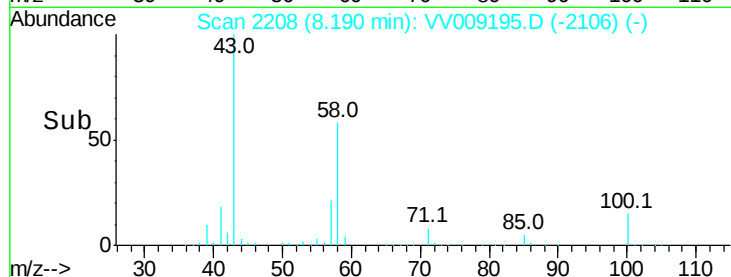
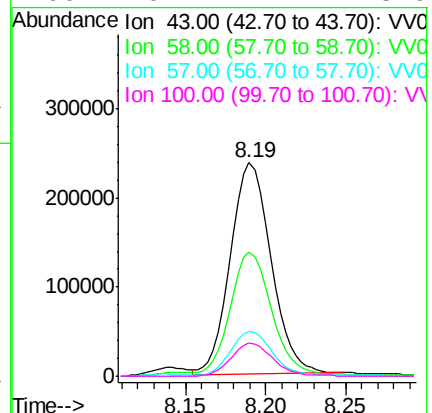
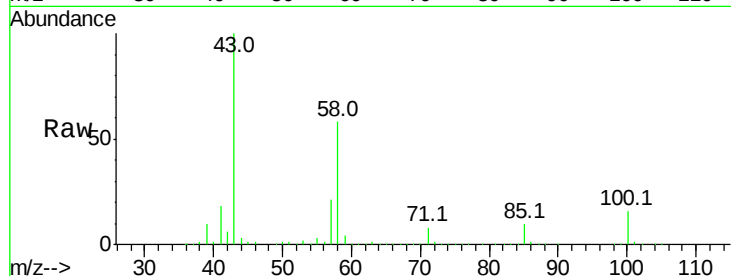




#49
2-Hexanone
Concen: 185.329 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV009195.D
Acq: 08 Jan 2019 14:50

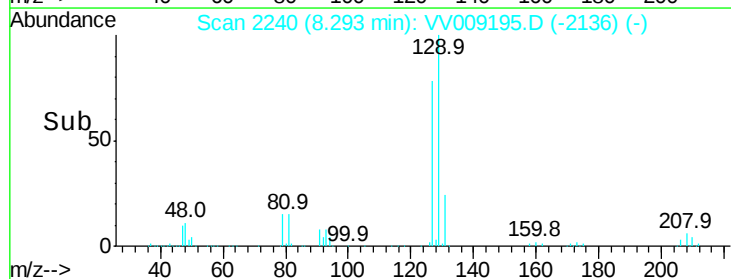
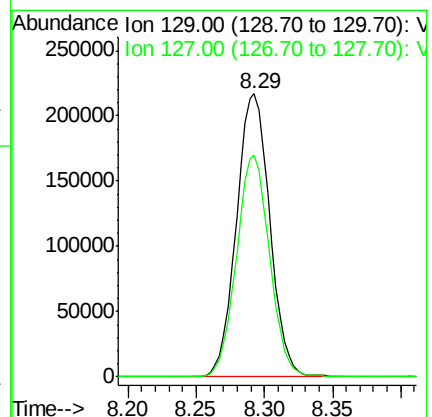
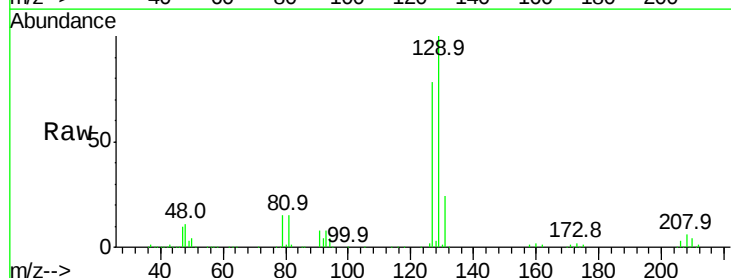
Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

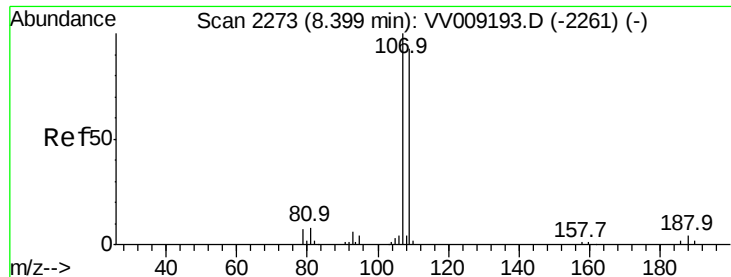
Tgt Ion: 43 Resp: 413549
Ion Ratio Lower Upper
43 100
58 59.0 48.4 72.6
57 21.5 15.6 23.4
100 16.1 12.4 18.6



#50
Dibromochloromethane
Concen: 107.013 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009195.D
Acq: 08 Jan 2019 14:50

Tgt Ion: 129 Resp: 369603
Ion Ratio Lower Upper
129 100
127 78.4 55.9 103.9

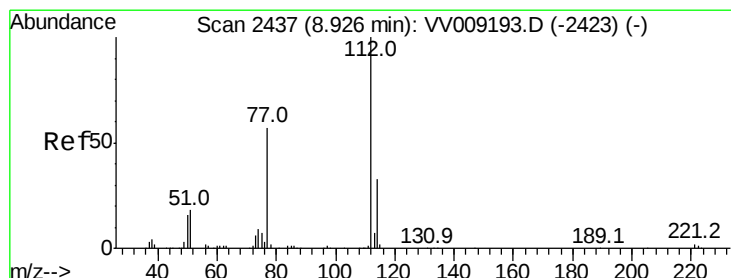
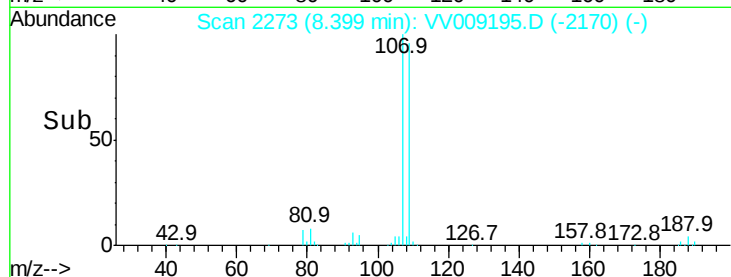
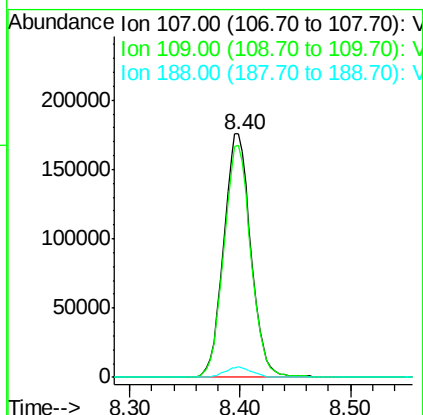
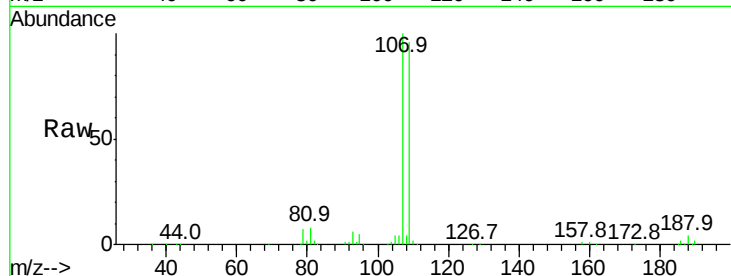




#51
 1,2-Dibromoethane
 Concen: 102.094 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

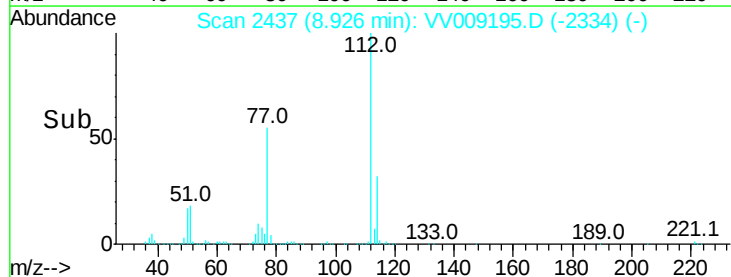
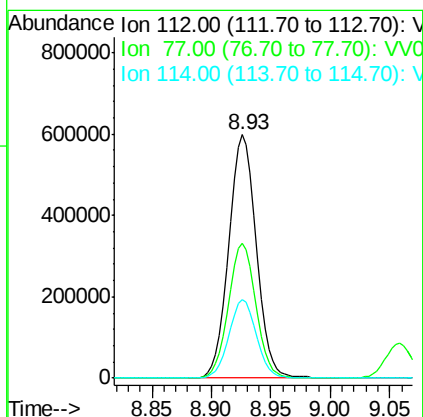
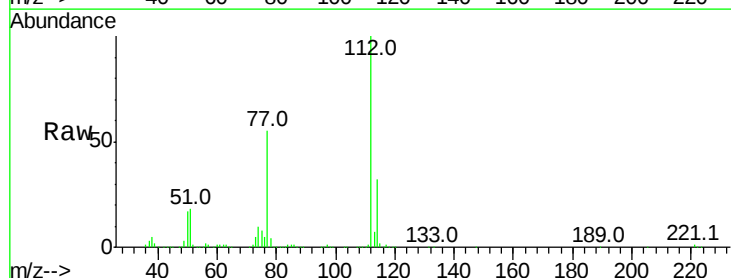
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

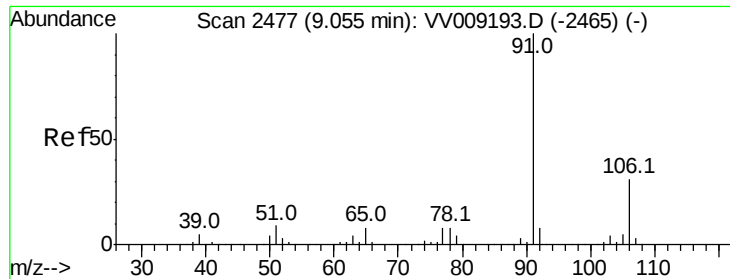
Tgt Ion:107 Resp: 300129
 Ion Ratio Lower Upper
 107 100
 109 95.6 65.0 120.6
 188 4.1 3.0 4.4



#52
 Chlorobenzene
 Concen: 98.527 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Tgt Ion:112 Resp: 961895
 Ion Ratio Lower Upper
 112 100
 77 55.4 45.4 68.2
 114 32.3 22.9 42.5

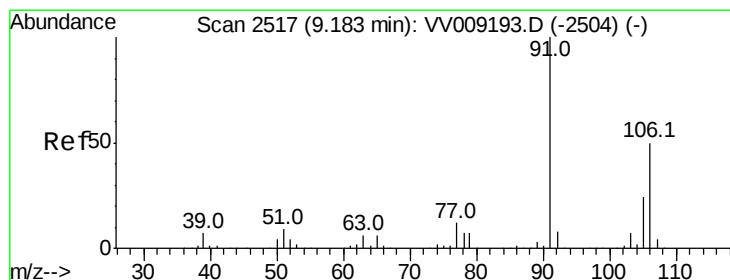
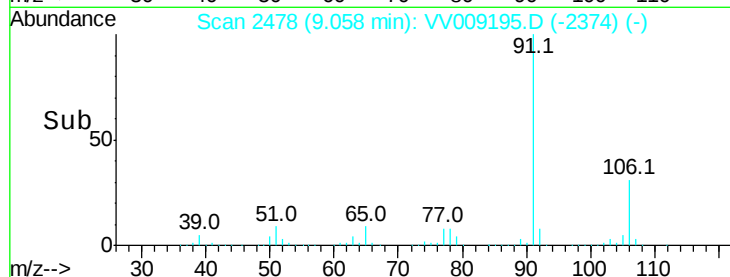
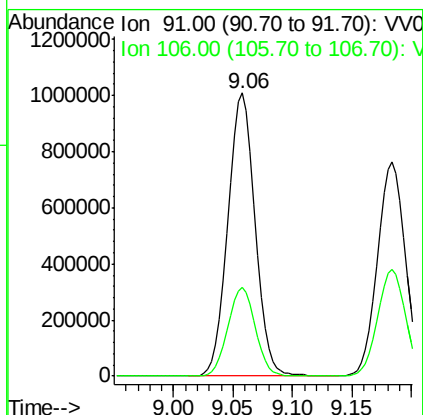
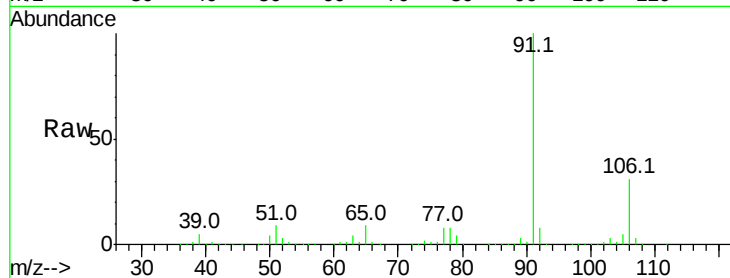




#53
Ethylbenzene
Concen: 99.611 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009195.D
Acq: 08 Jan 2019 14:50

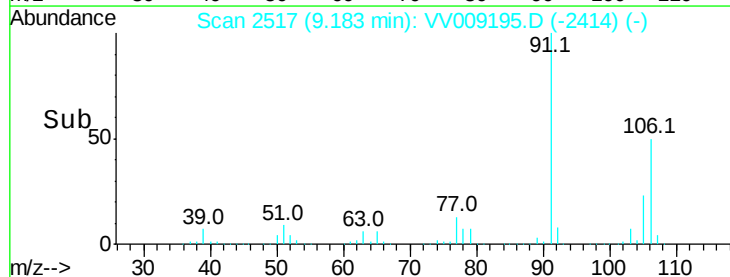
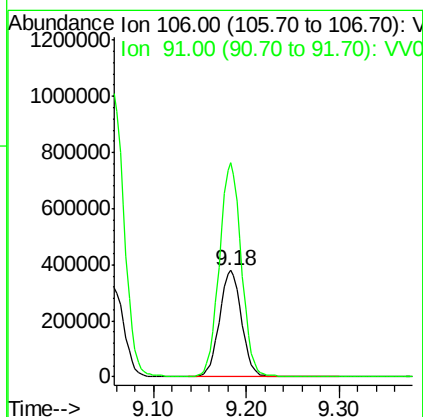
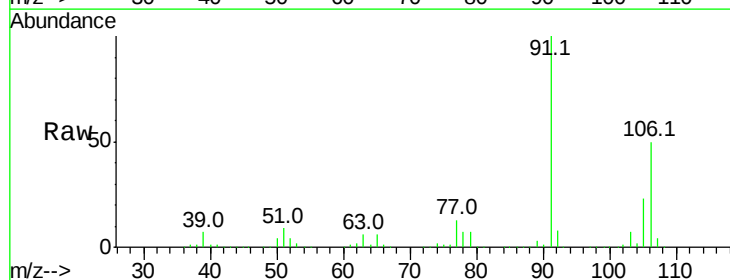
Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

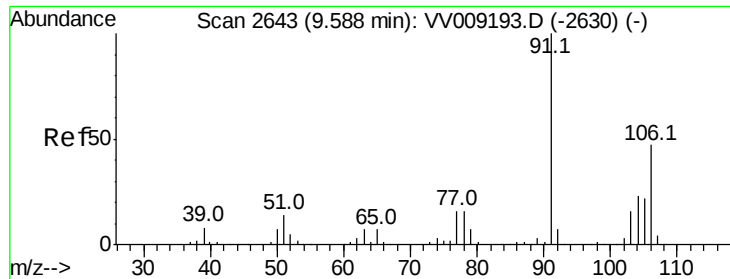
Tgt Ion: 91 Resp: 1602842
Ion Ratio Lower Upper
91 100
106 31.4 21.9 40.7



#54
m,p-Xylene
Concen: 99.806 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV009195.D
Acq: 08 Jan 2019 14:50

Tgt Ion: 106 Resp: 625704
Ion Ratio Lower Upper
106 100
91 200.9 139.2 258.6





#55

o-xylene

Concen: 102.653 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

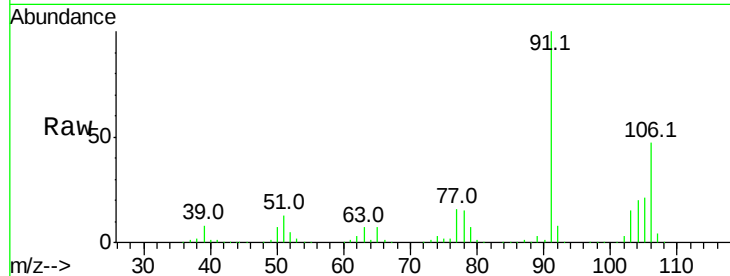
VSTD10081

Tgt Ion:106 Resp: 595056

Ion Ratio Lower Upper

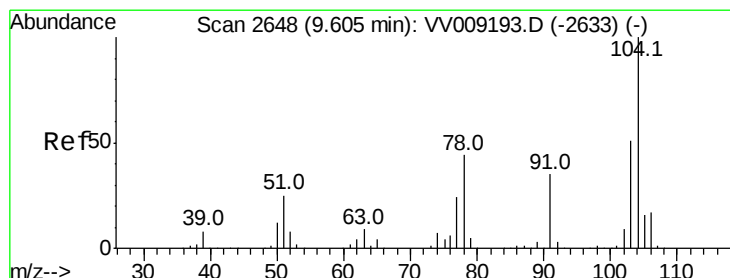
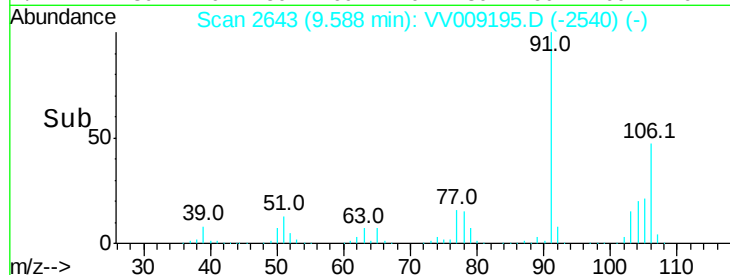
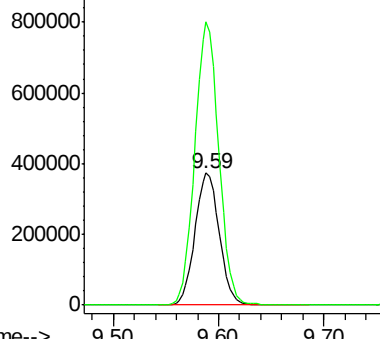
106 100

91 214.0 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 104.412 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009195.D

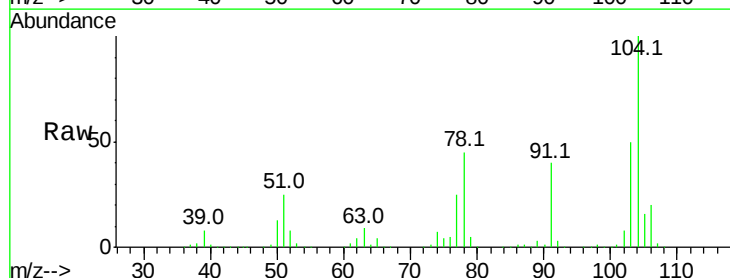
Acq: 08 Jan 2019 14:50

Tgt Ion:104 Resp: 1020883

Ion Ratio Lower Upper

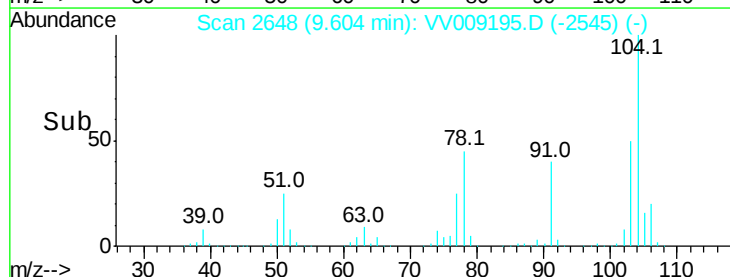
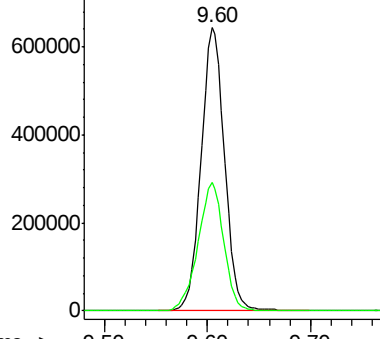
104 100

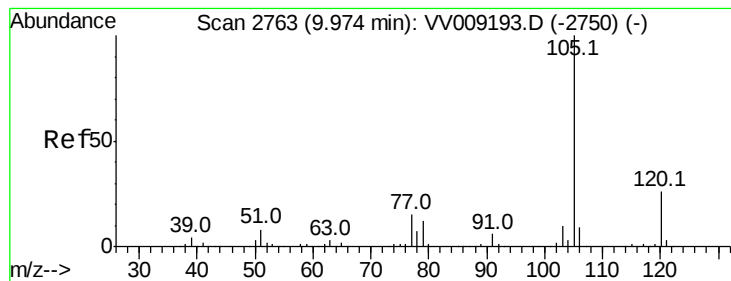
78 45.2 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 99.790 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampled :

VSTD10081

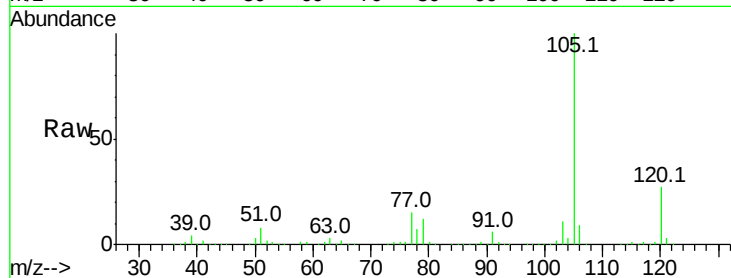
Tgt Ion:105 Resp: 1604963

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

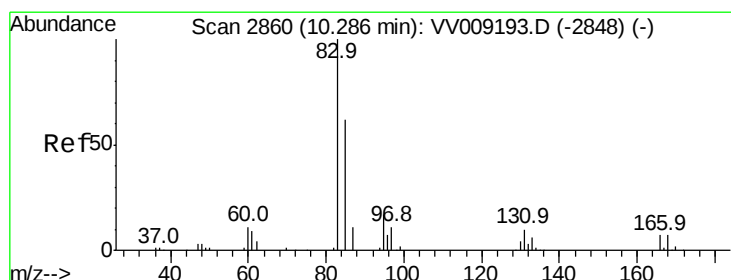
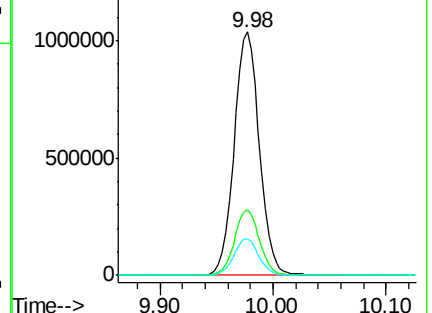
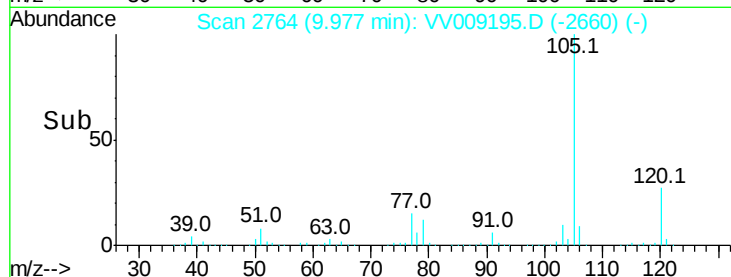
77 15.0 11.9 17.9



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: 99.147 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

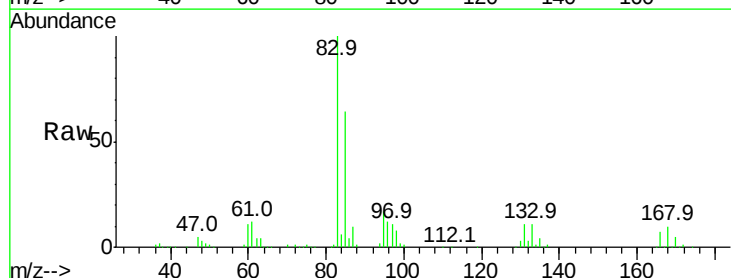
Tgt Ion: 83 Resp: 373469

Ion Ratio Lower Upper

83 100

85 63.7 43.7 81.1

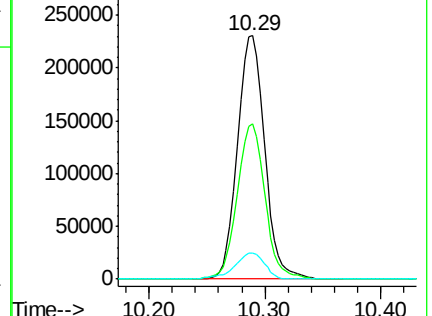
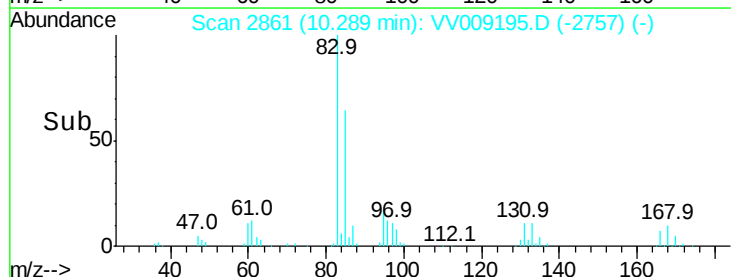
131 10.8 8.5 12.7

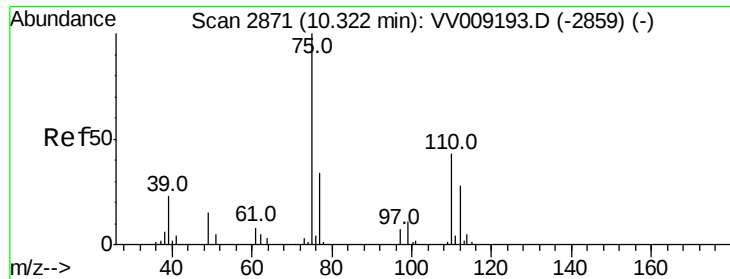


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 94.000 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

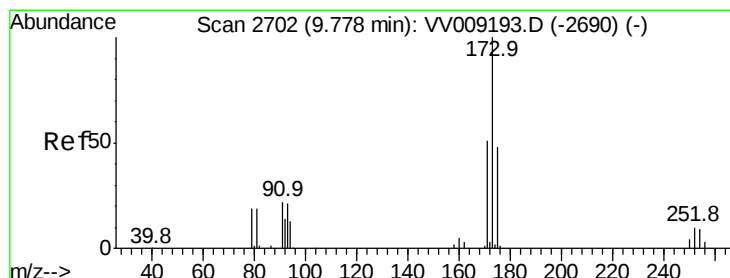
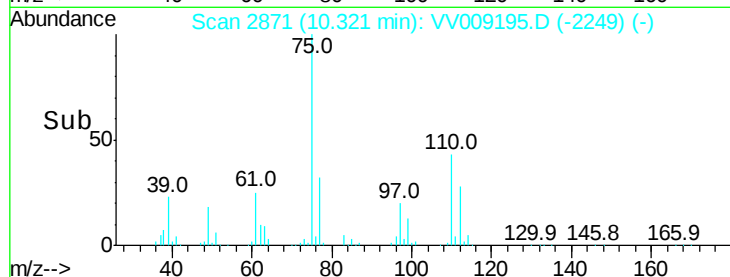
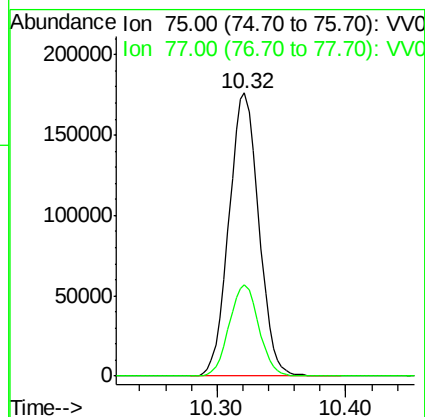
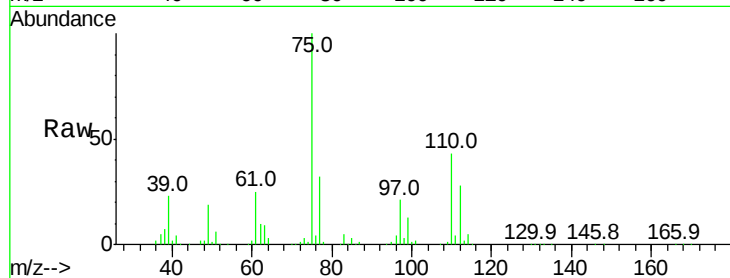
VSTD10081

Tgt Ion: 75 Resp: 283012

Ion Ratio Lower Upper

75 100

77 32.1 26.3 39.5



#62

Bromoform

Concen: 105.984 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

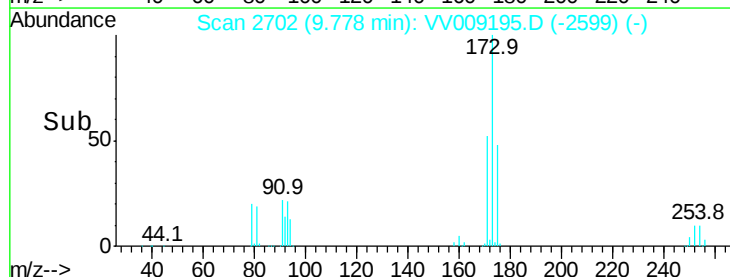
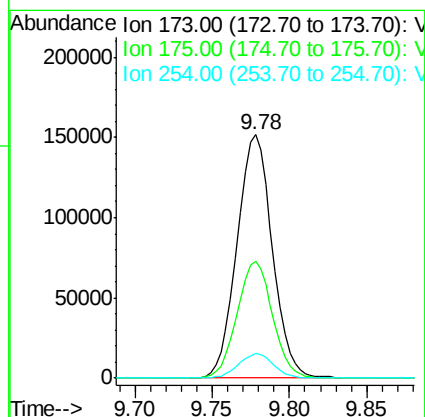
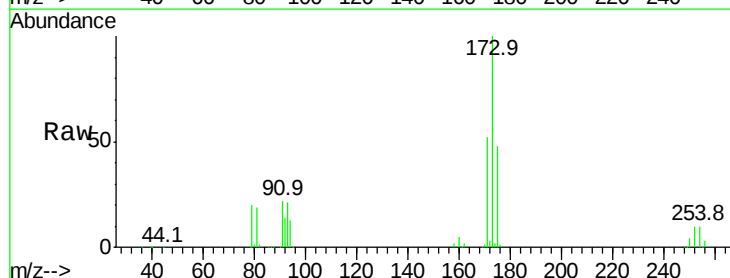
Tgt Ion: 173 Resp: 240332

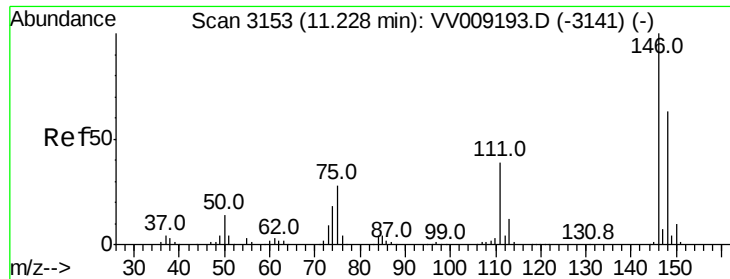
Ion Ratio Lower Upper

173 100

175 48.3 38.0 57.0

254 10.0 7.7 11.5

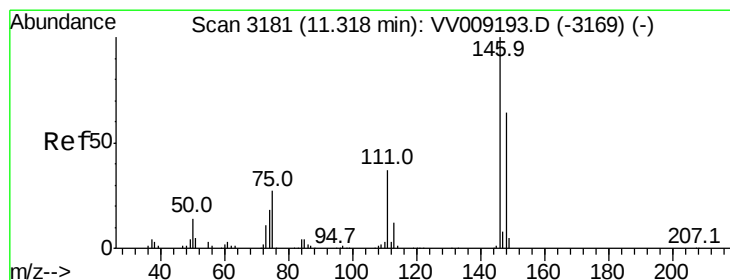
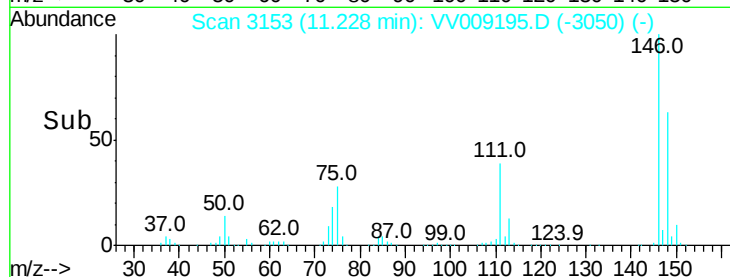
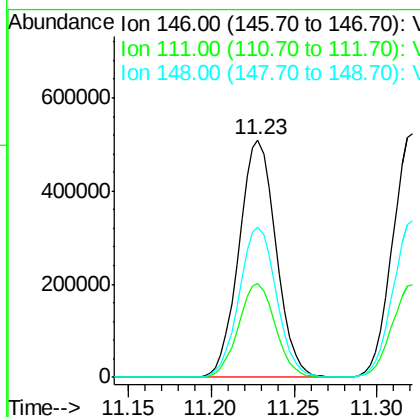
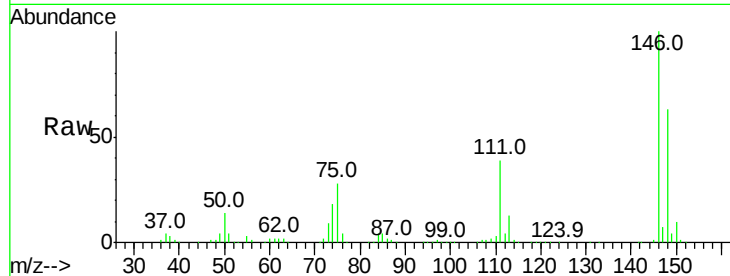




#63
 1,3-Dichlorobenzene
 Concen: 97.783 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

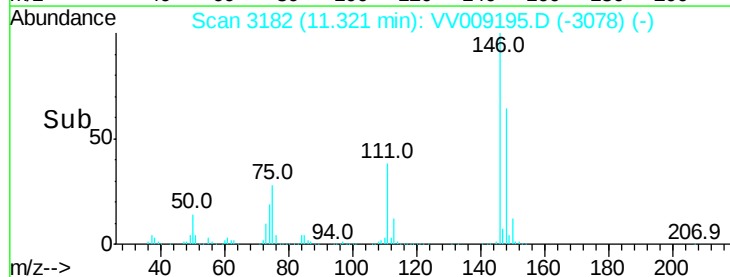
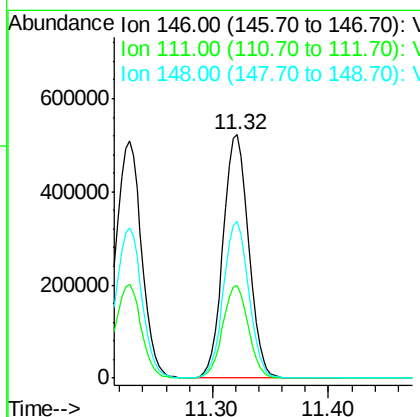
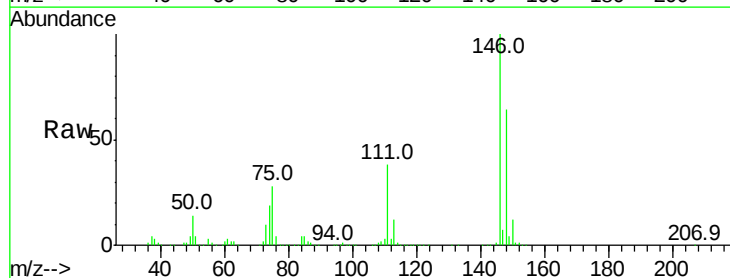
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

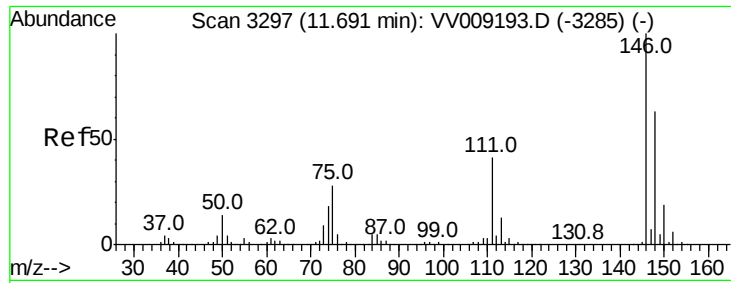
Tgt Ion:146 Resp: 791079
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.2 50.6
 148 63.4 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 94.064 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Tgt Ion:146 Resp: 793241
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.4 49.0
 148 64.3 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 96.144 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

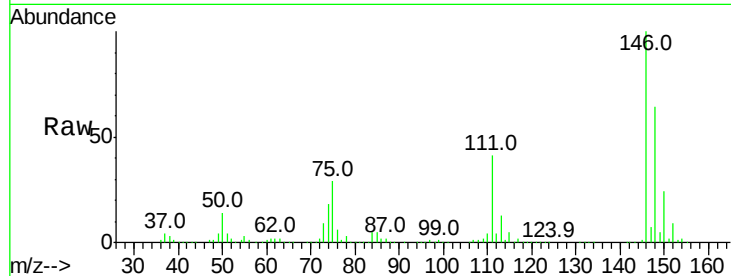
Tgt Ion:146 Resp: 740925

Ion Ratio Lower Upper

146 100

111 40.8 33.0 49.4

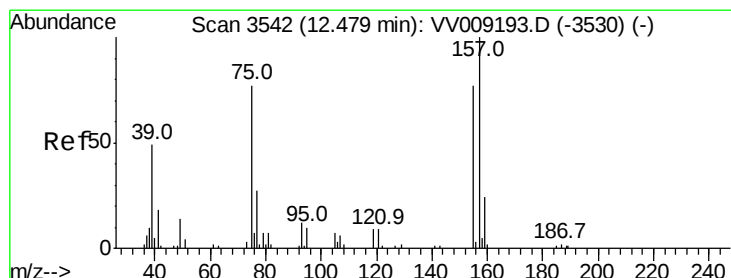
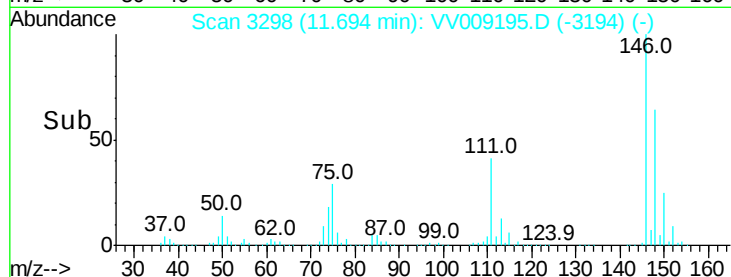
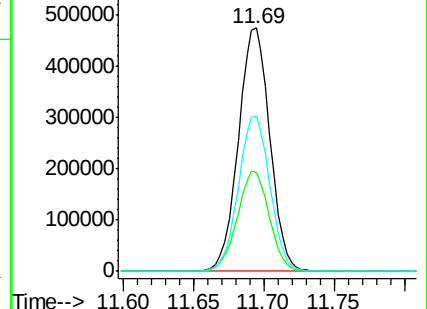
148 63.6 50.1 75.1



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: 92.547 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

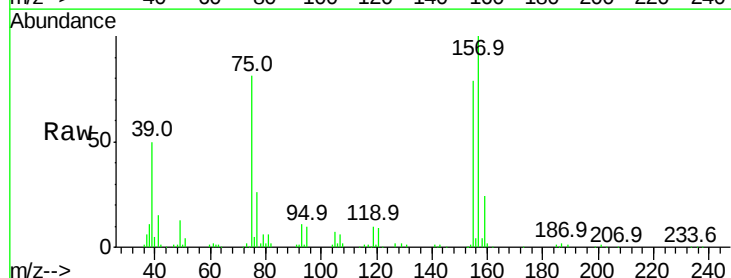
Tgt Ion: 75 Resp: 74044

Ion Ratio Lower Upper

75 100

157 122.8 104.6 156.8

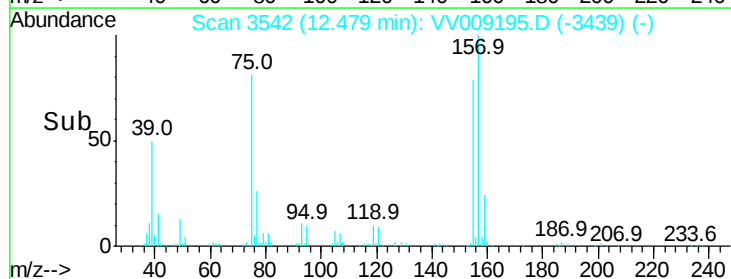
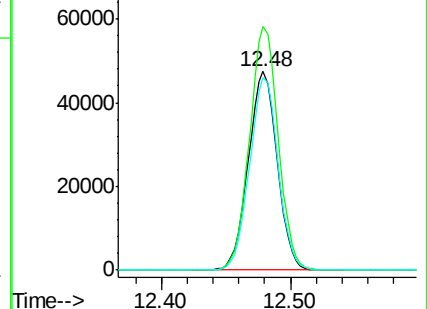
155 97.2 80.1 120.1

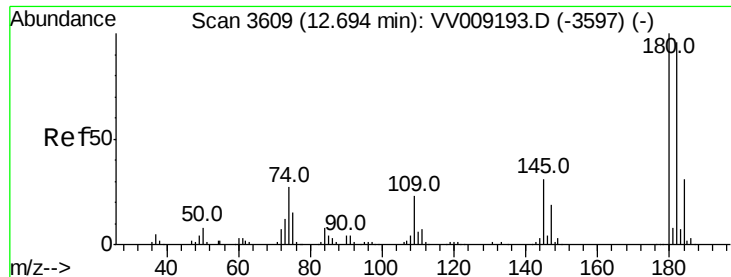


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

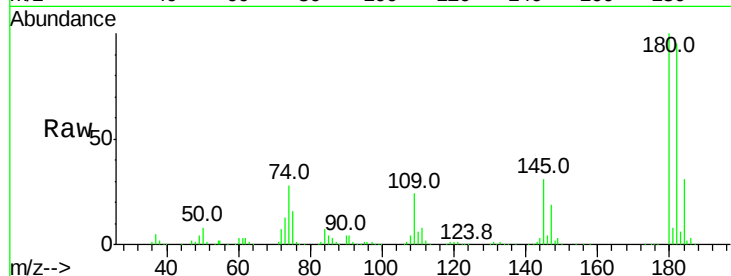




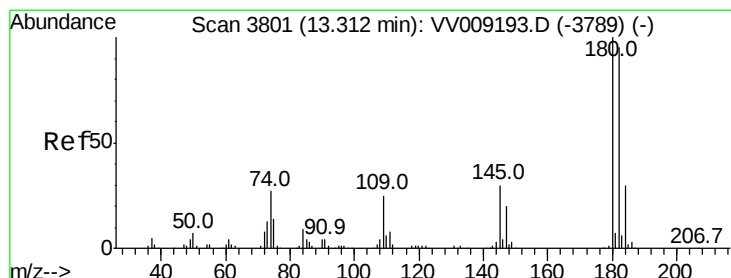
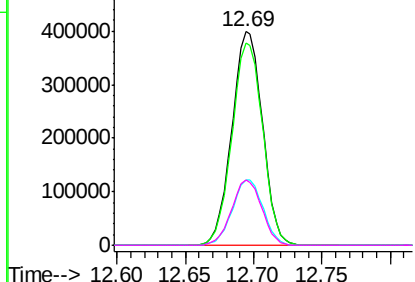
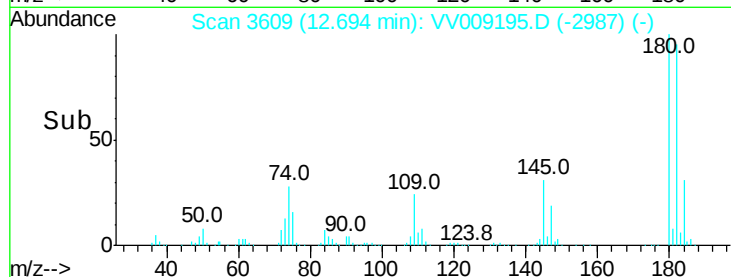
#67
 1,3,5-Trichlorobenzene
 Concen: 95.186 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

Tgt Ion:	180	Resp:	621057
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.4	114.6
184	30.6	24.5	36.7
145	30.1	24.2	36.2

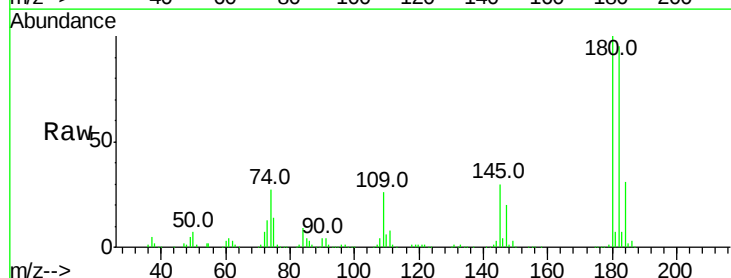


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

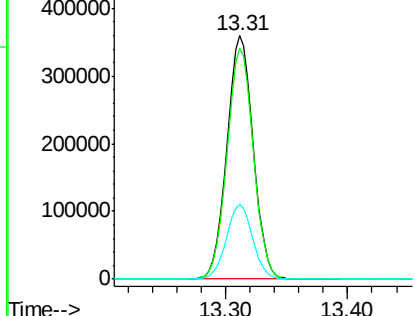
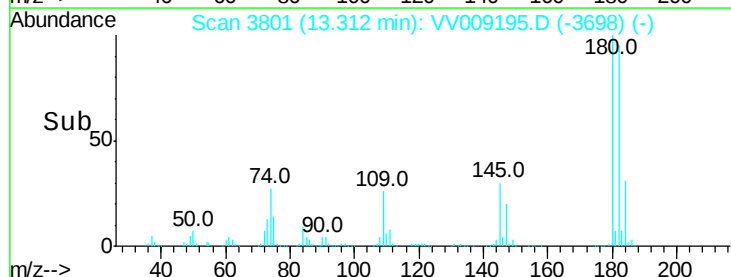


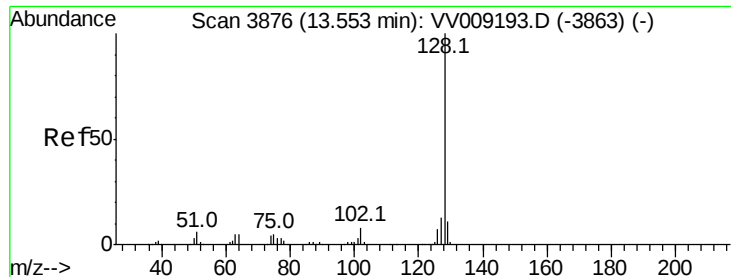
#68
 1,2,4-trichlorobenzene
 Concen: 102.171 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009195.D
 Acq: 08 Jan 2019 14:50

Tgt Ion:	180	Resp:	542602
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.7	113.5
145	30.6	24.5	36.7



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: 108.795 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

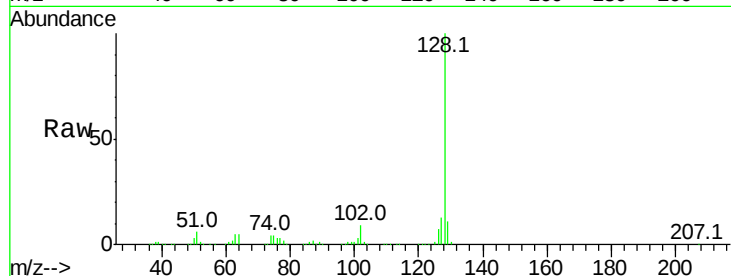
Tgt Ion:128 Resp: 1176862

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

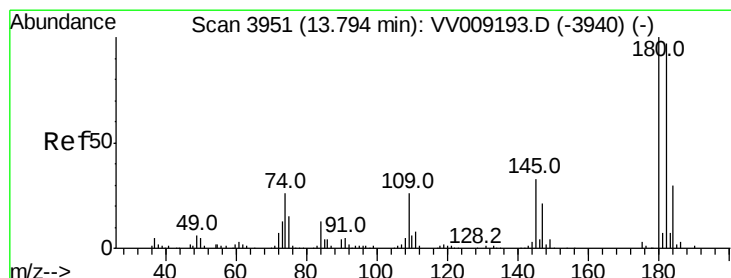
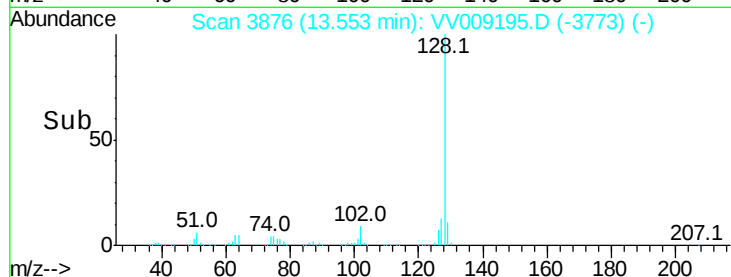
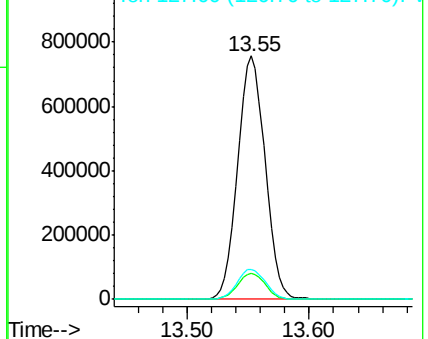
127 12.7 10.6 15.8



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: 101.072 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009195.D

Acq: 08 Jan 2019 14:50

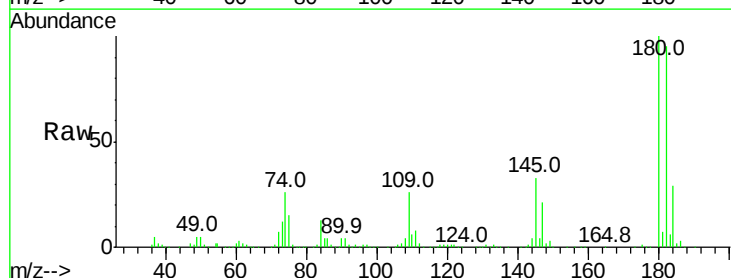
Tgt Ion:180 Resp: 492603

Ion Ratio Lower Upper

180 100

182 94.6 76.8 115.2

145 32.7 25.7 38.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

