

Data File : VV009800.D
Acq On : 21 Mar 2019 17:19
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

Quant Time: Mar 22 07:56:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Mar 21 15:15:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	115376	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	117898	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58301	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56307	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.59	69	51104	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.13	63	147188	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	3.97	46	71969	44.60	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.20%
24) Chloroform-d	4.40	84	62144	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.08	65	29178	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.10	84	126804	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
36) 1,2-Dichloropropane-d6	6.12	67	37698	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.60%
41) Toluene-d8	7.36	98	125531	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.67	79	13999	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.14	63	62397	43.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29112	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	45165	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	56069	5.387 ug/L	97
3) Chloromethane	1.25	50	79425	5.222 ug/L	99
5) Vinyl chloride	1.32	62	86871	5.189 ug/L	99
6) Bromomethane	1.54	94	58634	5.729 ug/L	98
8) Chloroethane	1.60	64	61367	5.282 ug/L	95
9) Trichlorofluoromethane	1.77	101	190411	5.439 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	96004	5.541 ug/L	97
12) 1,1-Dichloroethene	2.14	96	82389	5.355 ug/L	91
13) Acetone	2.22	43	116596	55.781 ug/L #	50
14) Carbon disulfide	2.32	76	231422	5.440 ug/L	100
15) Methyl Acetate	2.47	43	28979	5.836 ug/L	97
16) Methylene chloride	2.54	84	86259	4.958 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	200789	5.650 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	89073	5.388 ug/L	94
19) 1,1-Dichloroethane	3.23	63	153520	5.349 ug/L	99
21) 2-Butanone	4.05	43	94044	57.264 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	43089	5.388 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	17019	5.249	ug/L	89
25) Chloroform	4.42	83	77010	5.508	ug/L	95
27) 1,2-Dichloroethane	5.18	62	46022	5.408	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	65696	5.163	ug/L	96
30) Cyclohexane	4.72	56	69550	5.274	ug/L	98
31) Carbon tetrachloride	4.87	117	57572	5.255	ug/L	98
33) Benzene	5.14	78	172718	5.216	ug/L	100
34) Trichloroethene	5.96	95	43979	5.251	ug/L	95
35) Methylcyclohexane	6.17	83	74646	5.207	ug/L	98
37) 1,2-Dichloropropane	6.22	63	41780	5.048	ug/L #	96
38) Bromodichloromethane	6.56	83	52587	5.373	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	60410	5.395	ug/L	94
40) 4-Methyl-2-pentanone	7.28	43	263131	54.406	ug/L	95
42) Toluene	7.43	91	198655	5.302	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	46139	5.154	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	29827	5.294	ug/L	98
47) Tetrachloroethene	8.02	164	37835	5.231	ug/L	86
48) 2-Hexanone	8.19	43	177339	52.118	ug/L	98
49) Dibromochloromethane	8.29	129	33354	5.121	ug/L	96
50) 1,2-Dibromoethane	8.40	107	26911	5.115	ug/L #	97
51) Chlorobenzene	8.93	112	123611	5.153	ug/L	99
52) Ethylbenzene	9.05	91	219187	5.310	ug/L	97
53) m,p-xylene	9.18	106	82268	5.244	ug/L	96
54) o-xylene	9.59	106	81364	5.310	ug/L	98
55) Styrene	9.60	104	136505	5.479	ug/L	97
56) Isopropylbenzene	9.97	105	218511	5.400	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	37856	5.423	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	25516	5.307	ug/L	98
61) Bromoform	9.78	173	15998	5.189	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	96269	5.189	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	98301	5.237	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	89169	5.107	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	4685	5.018	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.69	180	71859	5.116	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	56985	5.412	ug/L	95
69) Naphthalene	13.56	128	87060	5.266	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	54121	5.538	ug/L	96

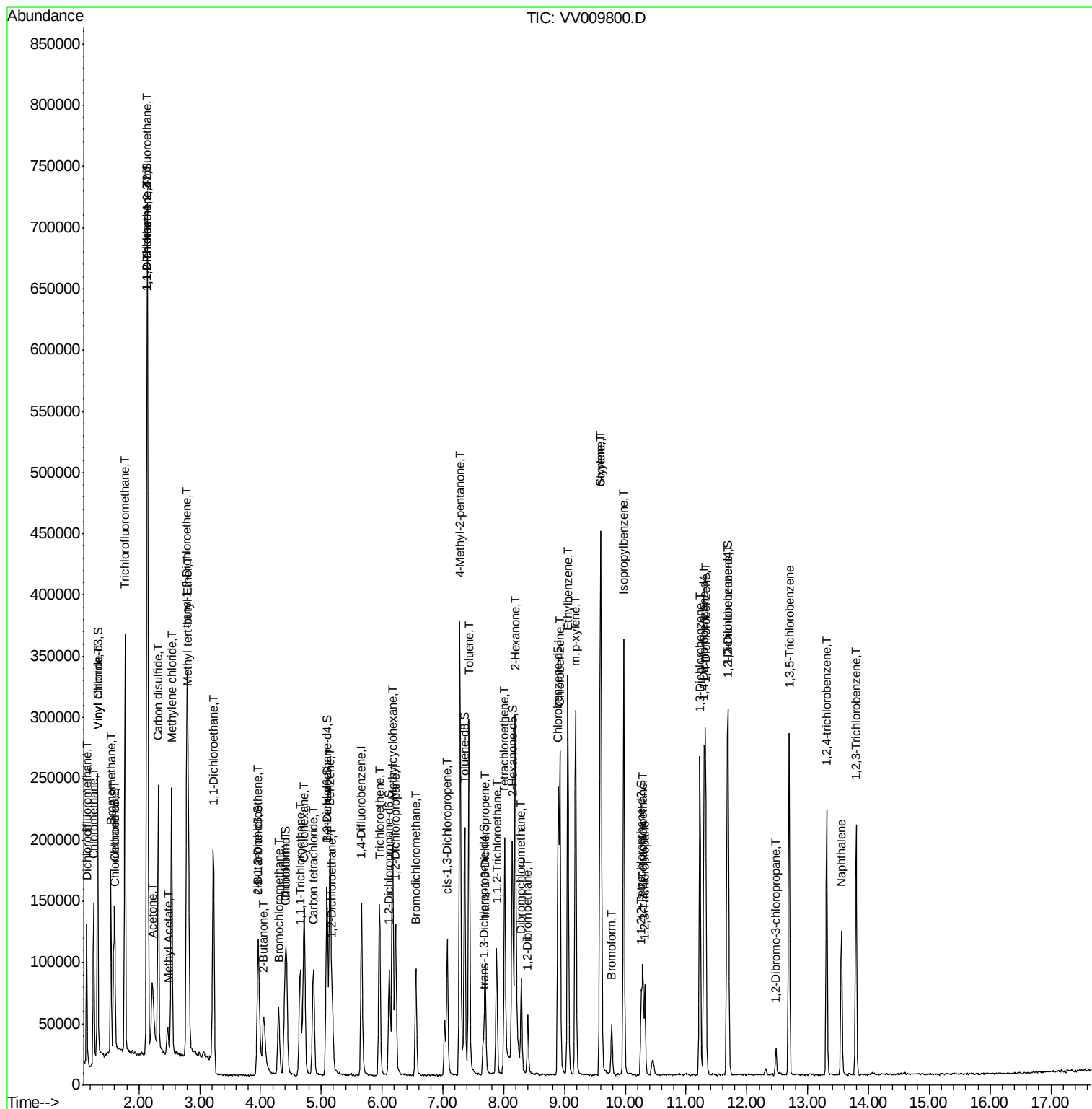
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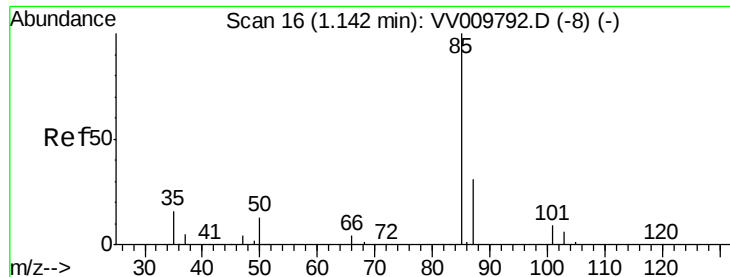
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#2

Dichlorodifluoromethane

Concen: 5.387 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

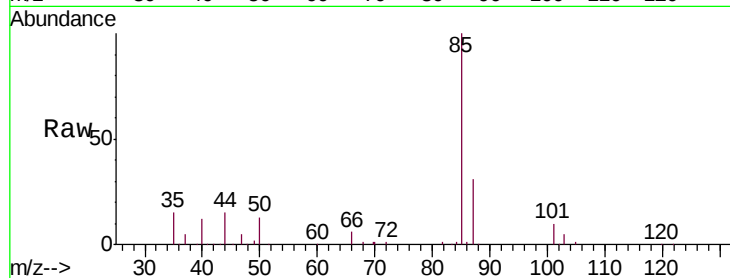
VSTD00537

Tgt Ion: 85 Resp: 56069

Ion Ratio Lower Upper

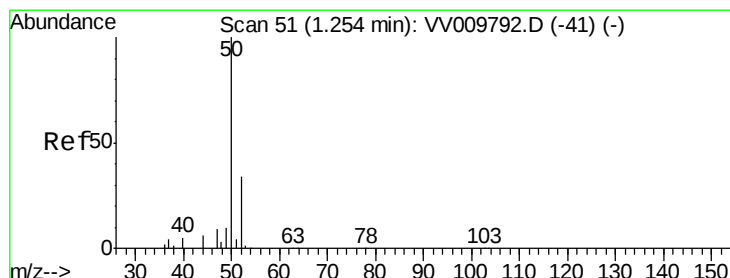
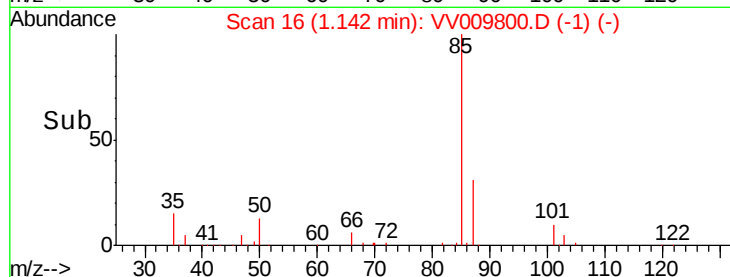
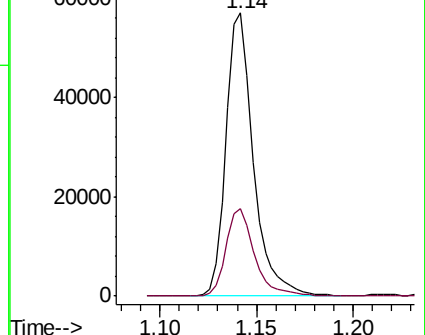
85 100

87 32.2 24.4 36.6



Abundance Ion 85.00 (84.70 to 85.70): VV009792.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009792.D (-8) (-)



#3

Chloromethane

Concen: 5.222 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009800.D

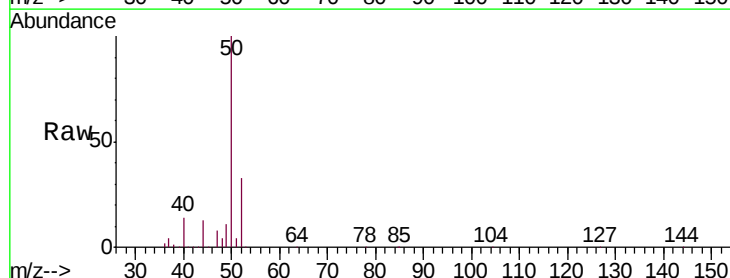
Acq: 21 Mar 2019 17:19

Tgt Ion: 50 Resp: 79425

Ion Ratio Lower Upper

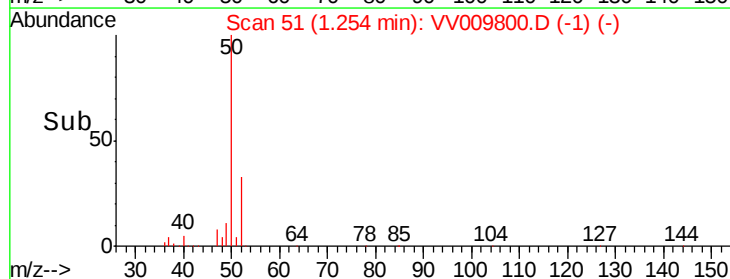
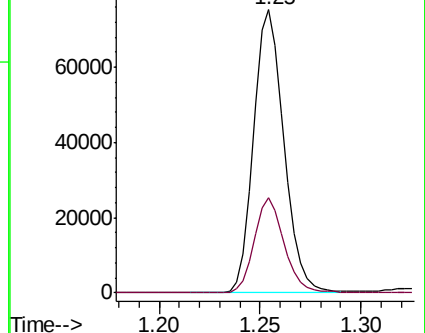
50 100

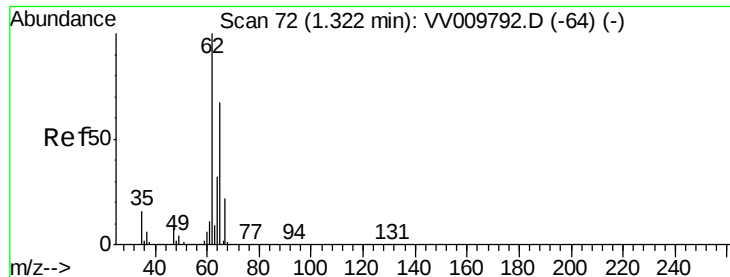
52 33.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV009792.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV009792.D (-41) (-)





#5

Vinyl chloride

Concen: 5.189 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009800.D

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Instrument :

MSVOA_V

ClientSampleId :

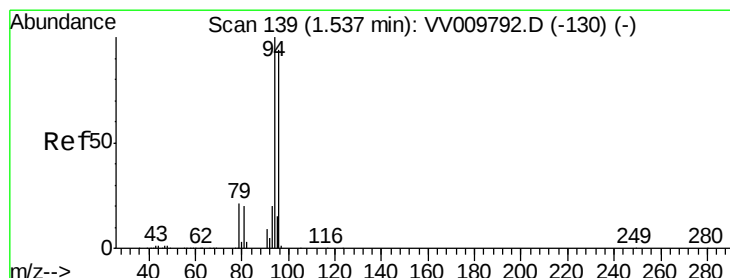
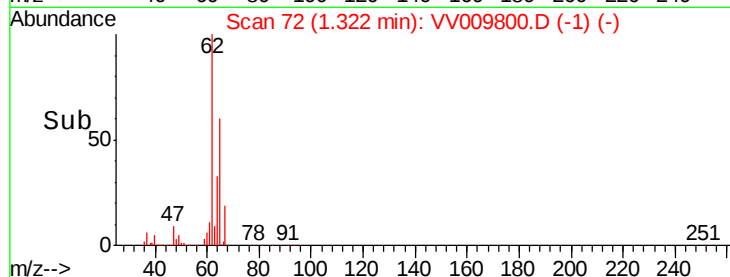
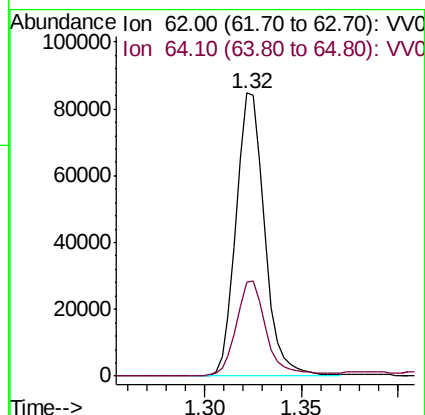
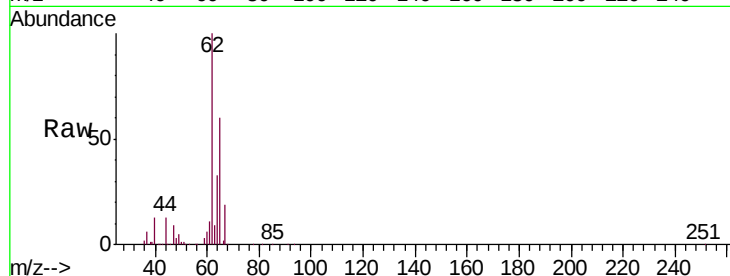
VSTD00537

Tgt Ion: 62 Resp: 86871

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



#6

Bromomethane

Concen: 5.729 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009800.D

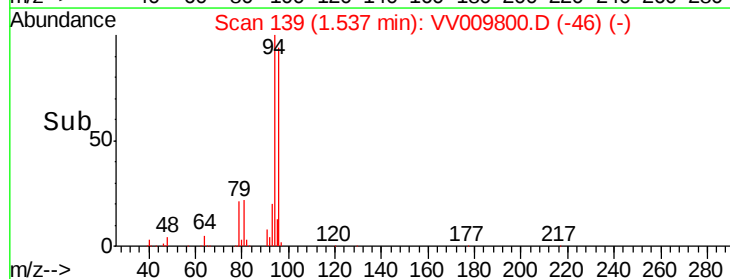
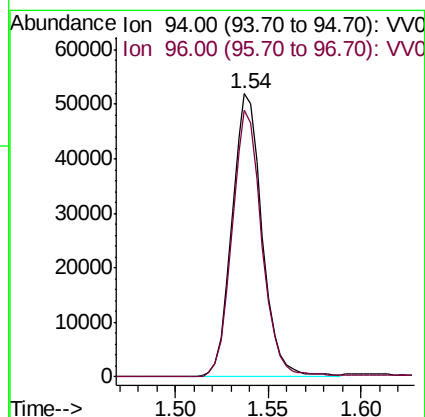
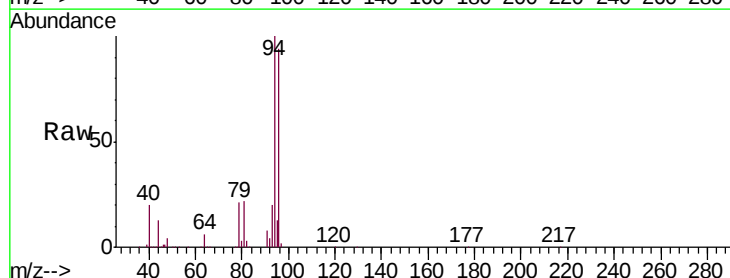
Acq: 21 Mar 2019 17:19

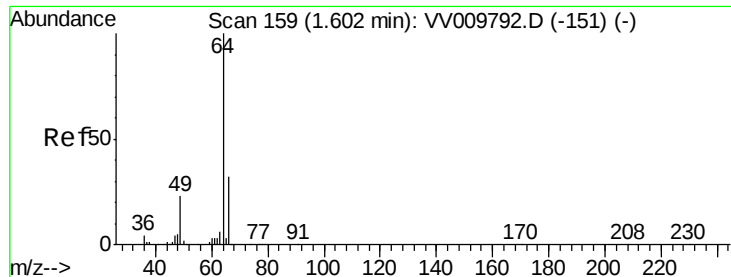
Tgt Ion: 94 Resp: 58634

Ion Ratio Lower Upper

94 100

96 94.1 64.6 120.0





#8

Chloroethane

Concen: 5.282 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

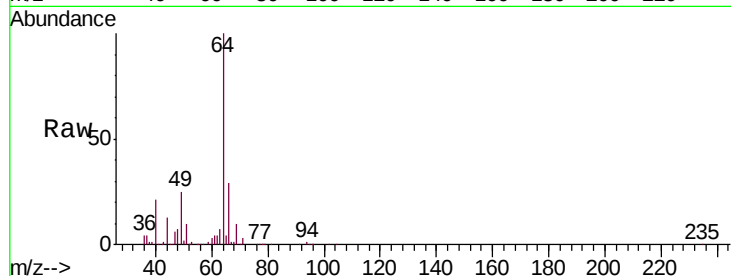
VSTD00537

Tgt Ion: 64 Resp: 61367

Ion Ratio Lower Upper

64 100

66 29.2 22.4 41.6

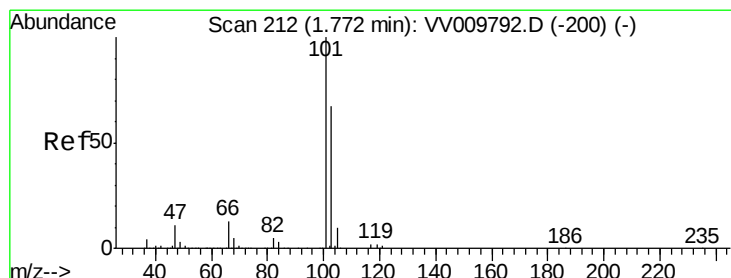
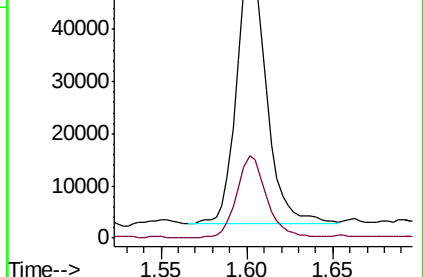
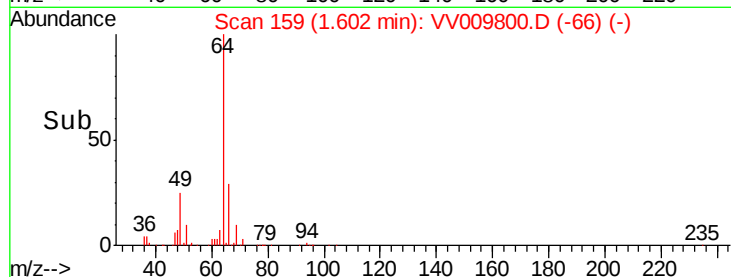


Abundance Ion 64.10 (63.80 to 64.80): VV009792.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV009792.D (-151) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 5.439 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV009800.D

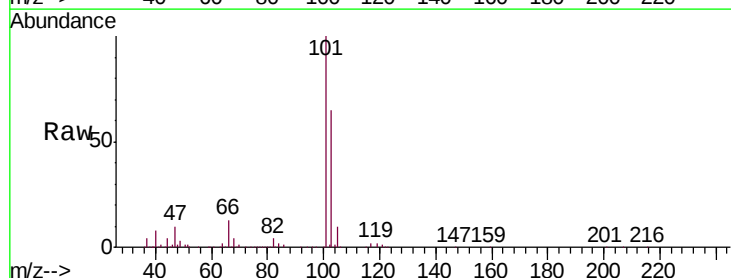
Acq: 21 Mar 2019 17:19

Tgt Ion: 101 Resp: 190411

Ion Ratio Lower Upper

101 100

103 64.4 52.3 78.5

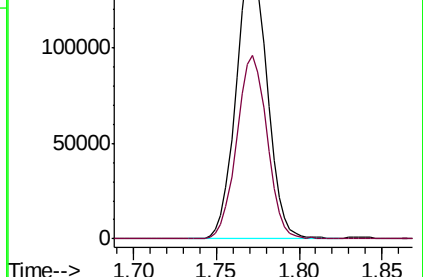
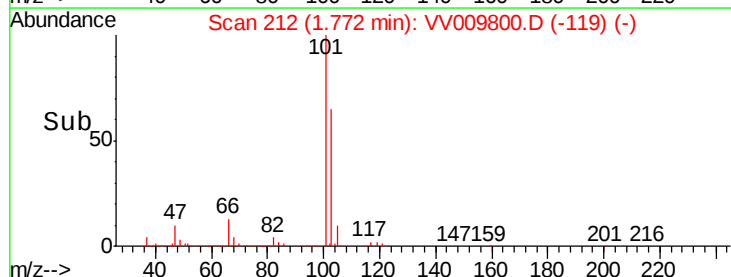


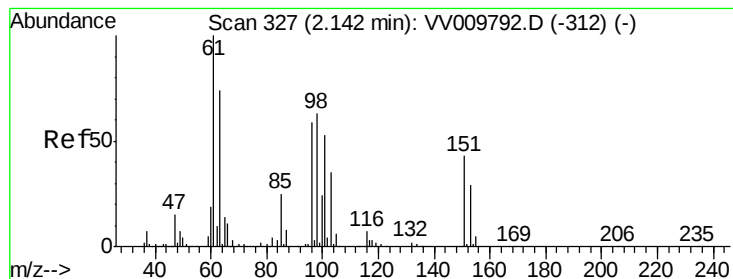
Abundance Ion 101.00 (100.70 to 101.70): VV009792.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009792.D (-200) (-)

1.77

Time-->





#10

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

Concen: 5.541 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

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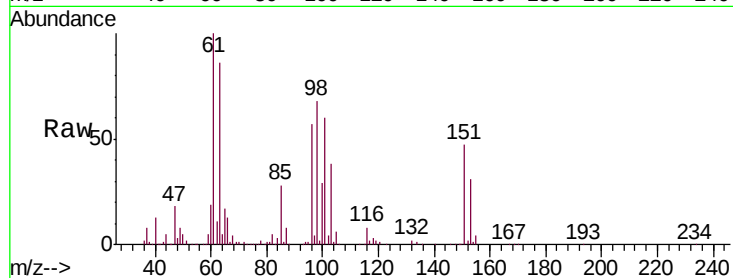
Tgt Ion: 101 Resp: 96004

Ion Ratio Lower Upper

101 100

85 45.9 39.2 58.8

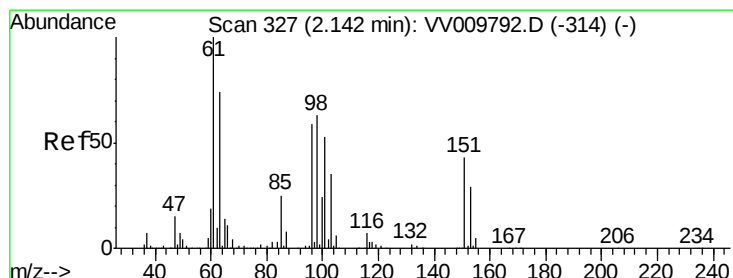
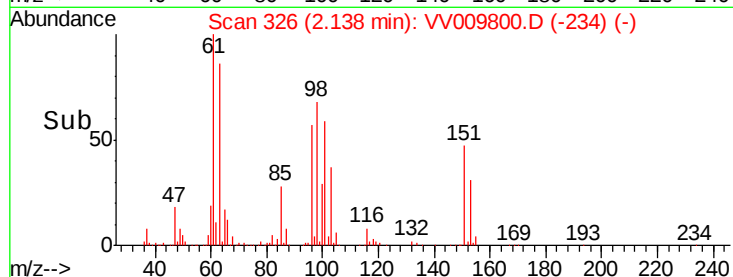
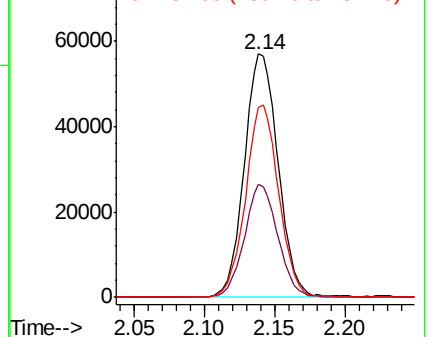
151 77.4 61.1 91.7



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: 5.355 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

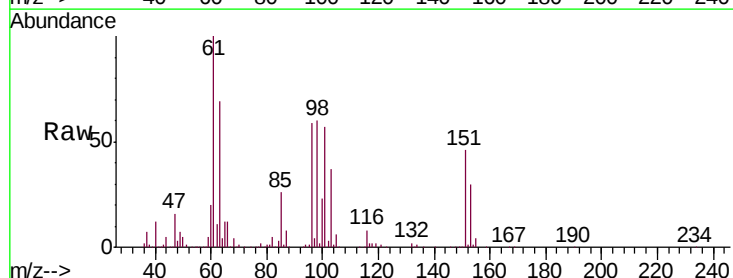
Tgt Ion: 96 Resp: 82389

Ion Ratio Lower Upper

96 100

61 168.9 127.1 236.0

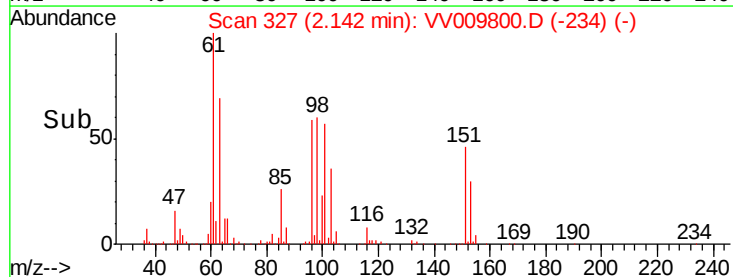
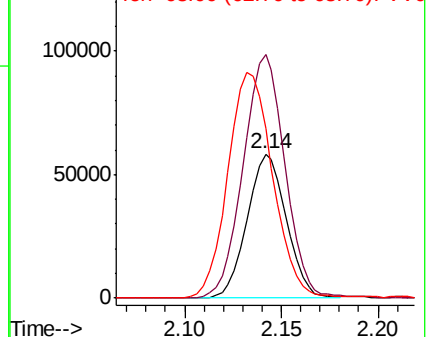
63 117.1 88.8 164.8

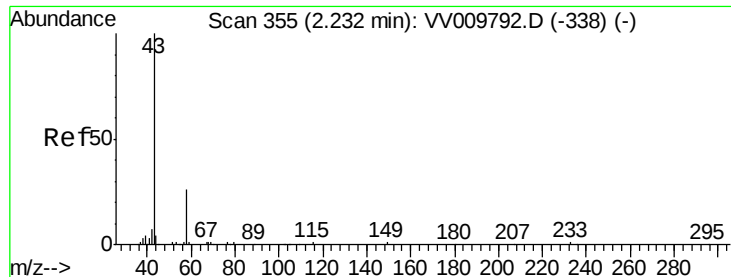


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 55.781 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

Lab File: VV009800.D

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ClientSampleId :

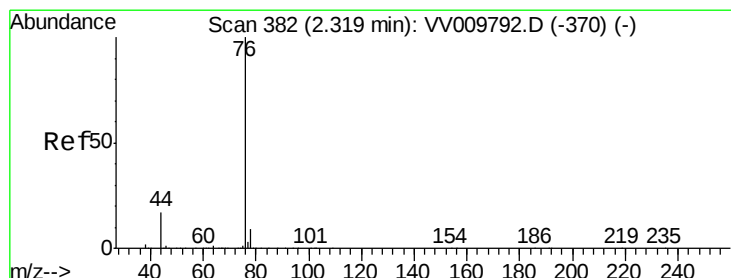
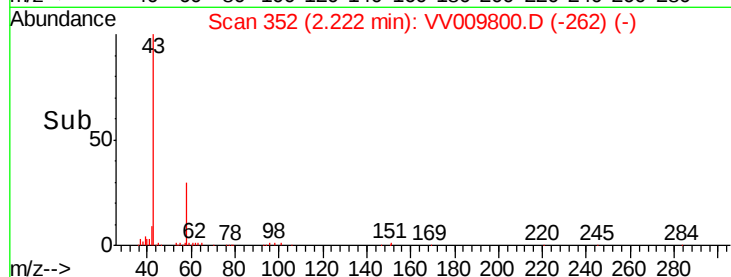
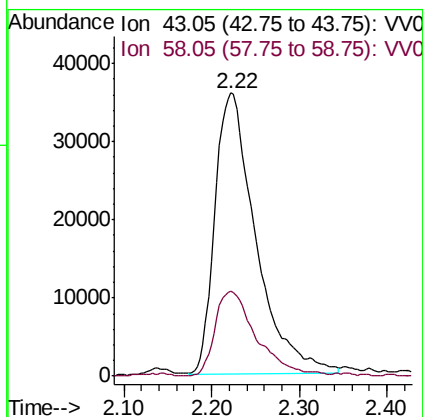
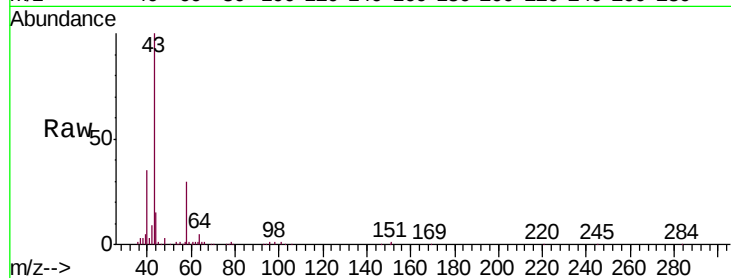
VSTD00537

Tgt Ion: 43 Resp: 116596

Ion Ratio Lower Upper

43 100

58 30.9 0.0 23.0#



#14

Carbon disulfide

Concen: 5.440 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV009800.D

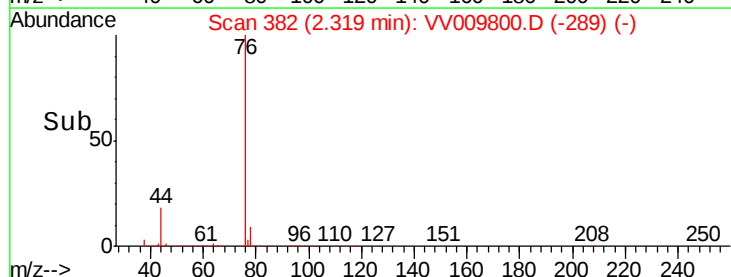
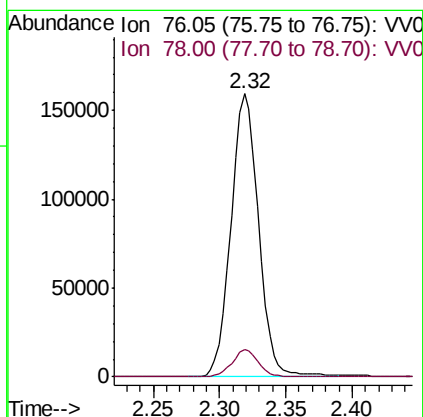
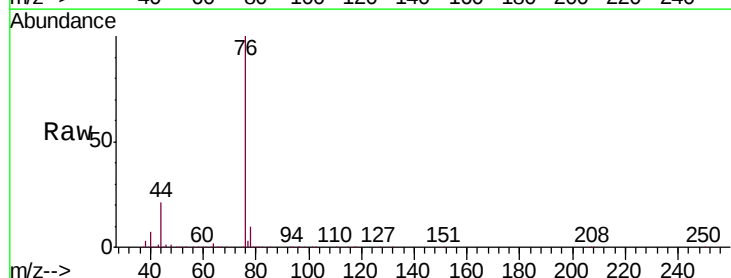
Acq: 21 Mar 2019 17:19

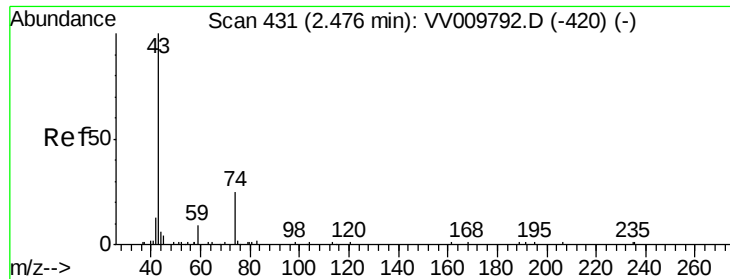
Tgt Ion: 76 Resp: 231422

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

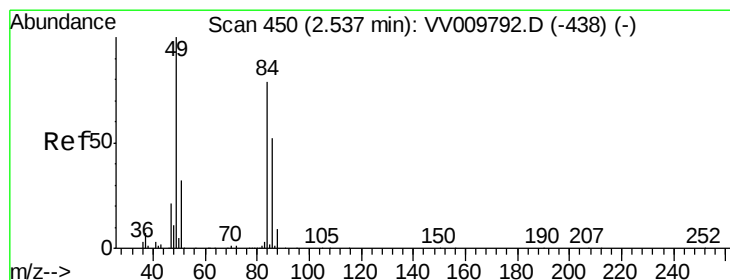
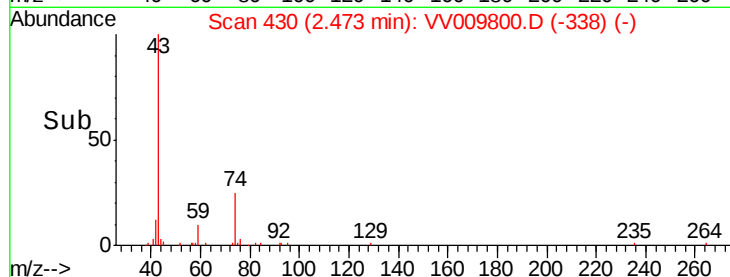
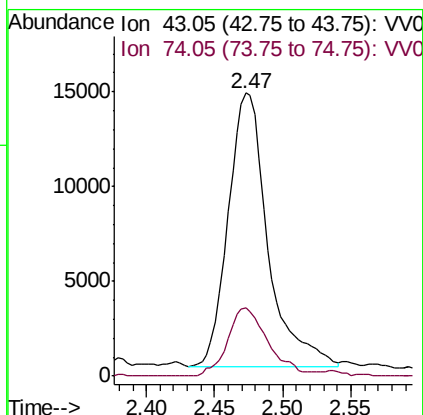
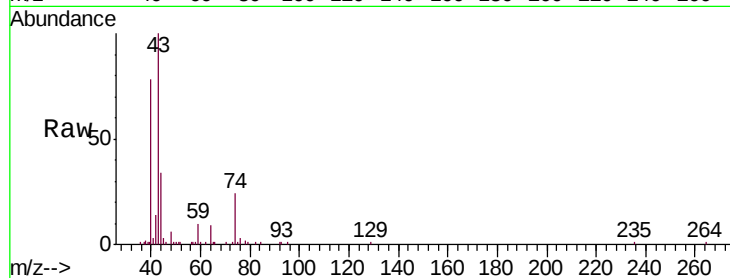




#15
Methyl Acetate
Concen: 5.836 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

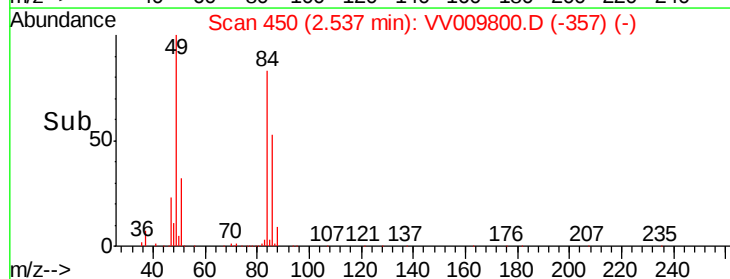
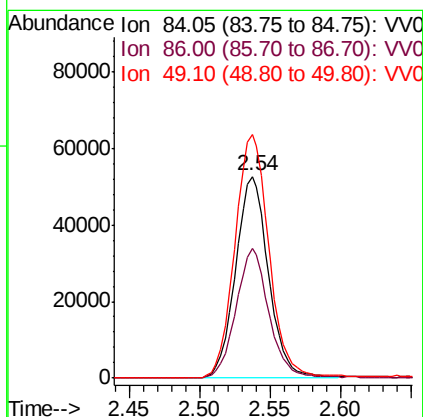
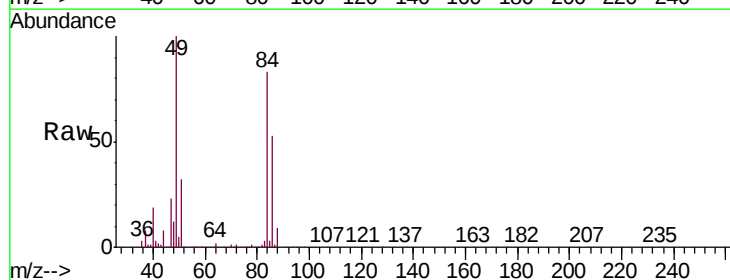
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

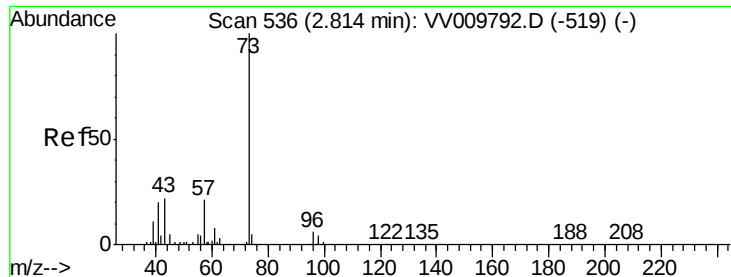
Tgt Ion: 43 Resp: 28979
Ion Ratio Lower Upper
43 100
74 25.8 21.8 32.6



#16
Methylene chloride
Concen: 4.958 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

Tgt Ion: 84 Resp: 86259
Ion Ratio Lower Upper
84 100
86 64.0 46.1 85.5
49 120.7 89.7 166.5

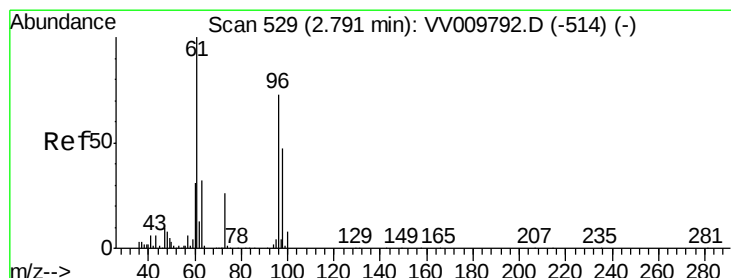
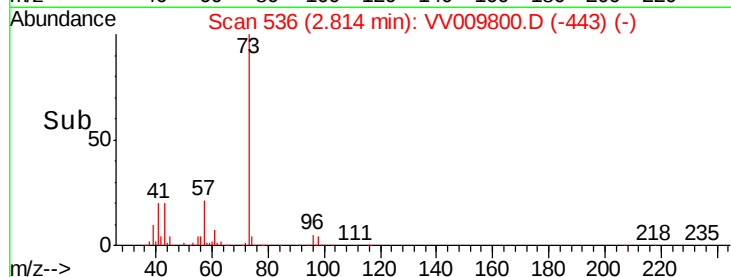
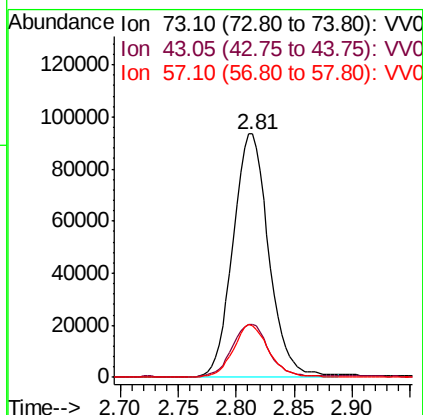
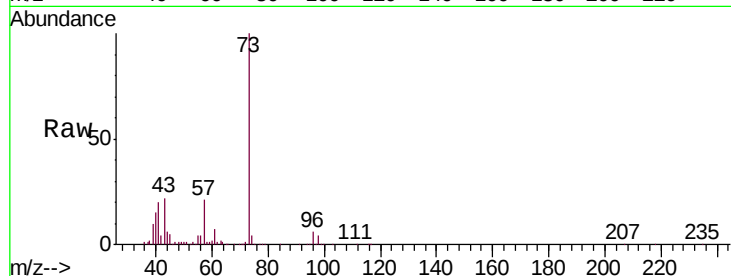




#17
Methyl tert-butyl Ether
Concen: 5.650 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

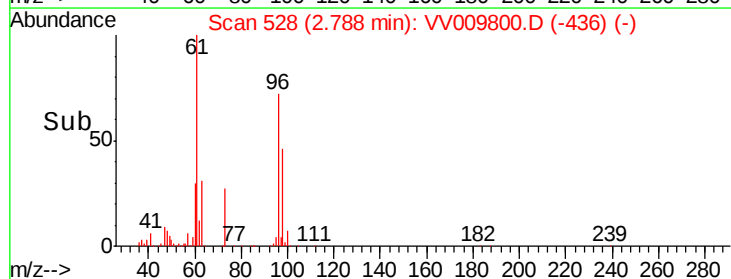
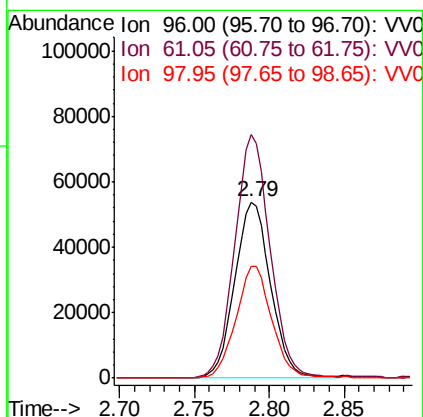
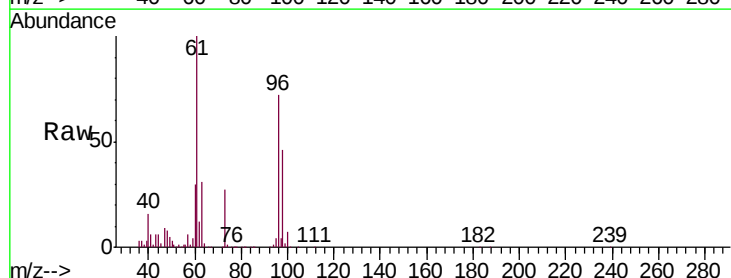
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

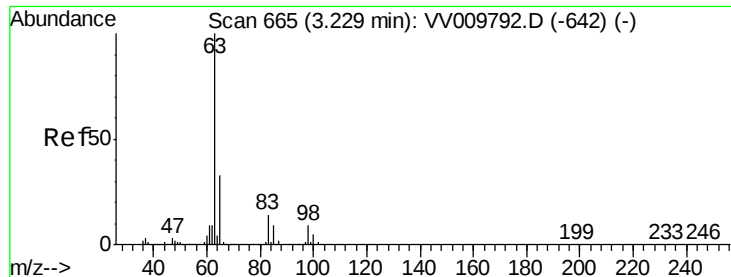
Tgt Ion:	73	Resp:	200789
Ion	Ratio	Lower	Upper
73	100		
43	21.7	17.2	25.8
57	21.1	17.3	25.9



#18
trans-1,2-Dichloroethene
Concen: 5.388 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

Tgt Ion:	96	Resp:	89073
Ion	Ratio	Lower	Upper
96	100		
61	138.4	103.9	192.9
98	63.2	46.0	85.4





#19

1,1-Dichloroethane

Concen: 5.349 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

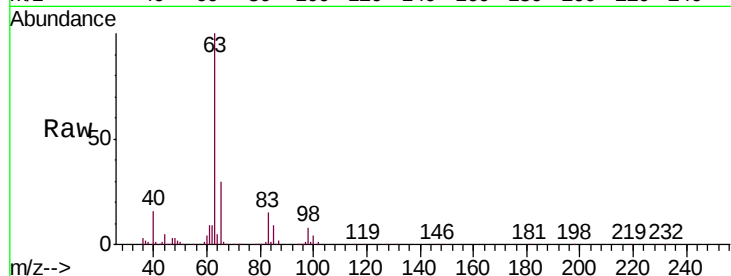
Tgt Ion: 63 Resp: 153520

Ion Ratio Lower Upper

63 100

65 30.1 21.3 39.5

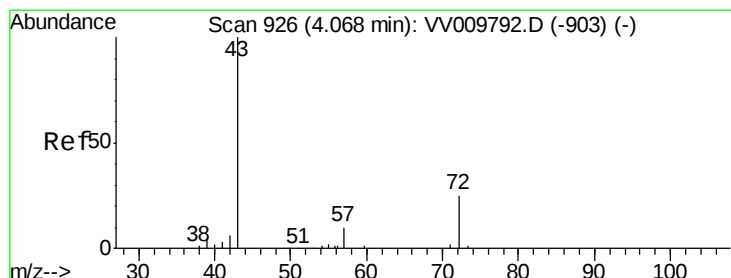
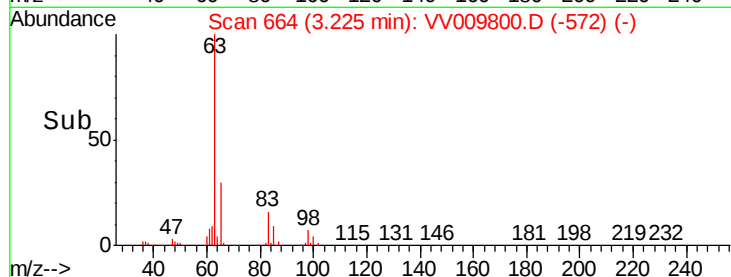
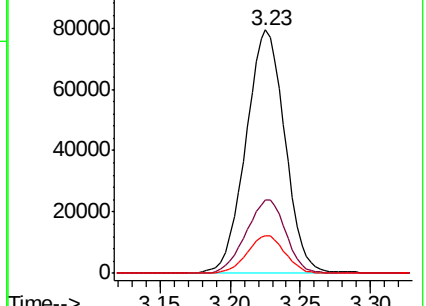
83 15.5 9.9 18.5



Abundance Ion 63.10 (62.80 to 63.80): VV009792.D (-642) (-)

Ion 65.10 (64.80 to 65.80): VV009792.D (-642) (-)

Ion 83.05 (82.75 to 83.75): VV009792.D (-642) (-)



#21

2-Butanone

Concen: 57.264 ug/L

RT: 4.05 min Scan# 921

Delta R.T. -0.02 min

Lab File: VV009800.D

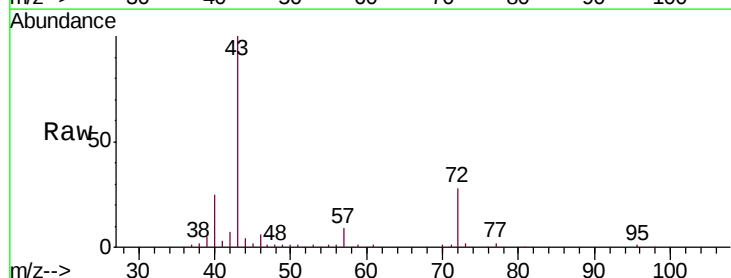
Acq: 21 Mar 2019 17:19

Tgt Ion: 43 Resp: 94044

Ion Ratio Lower Upper

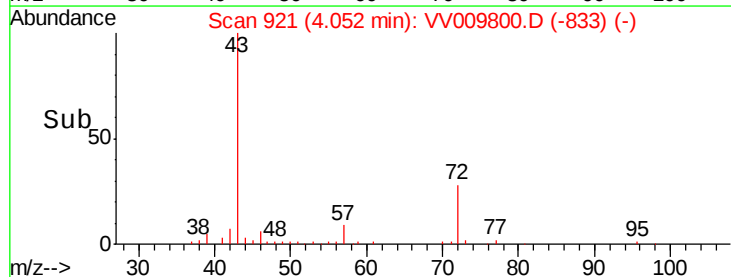
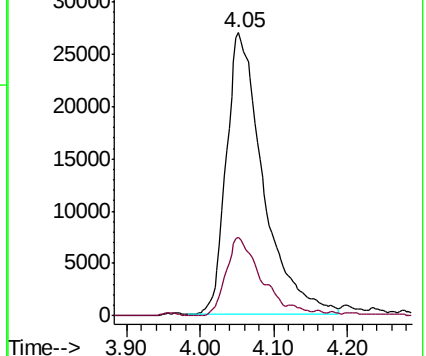
43 100

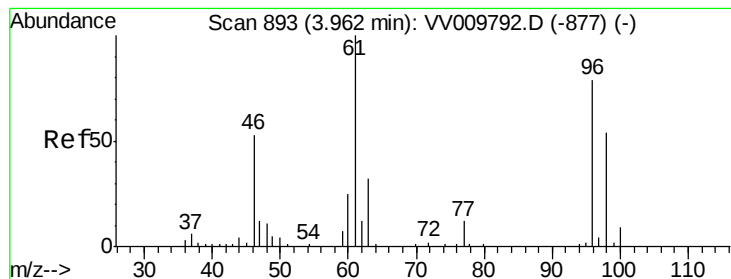
72 25.3 14.8 44.4



Abundance Ion 43.05 (42.75 to 43.75): VV009792.D (-903) (-)

Ion 72.10 (71.80 to 72.80): VV009792.D (-903) (-)



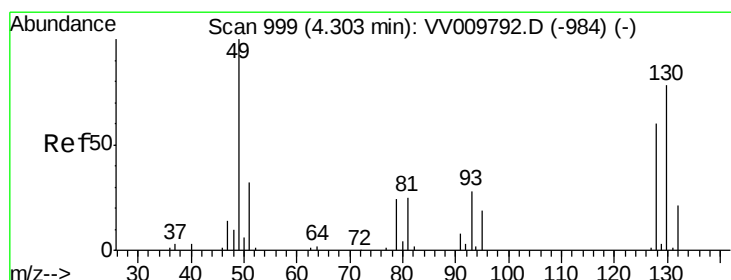
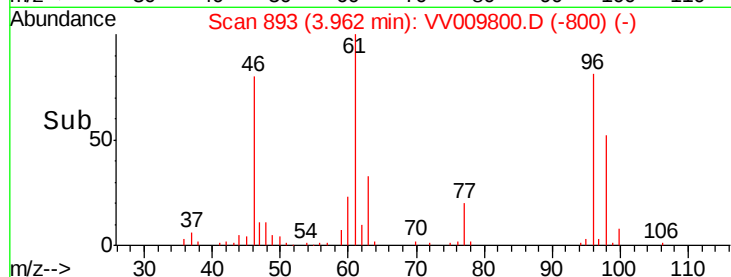
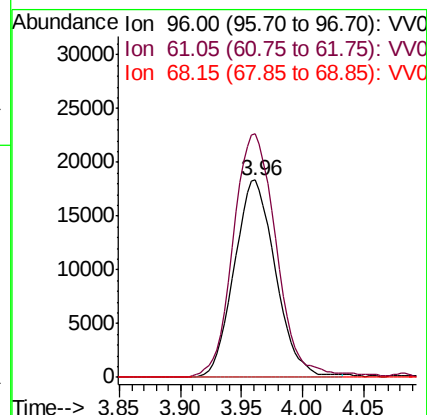
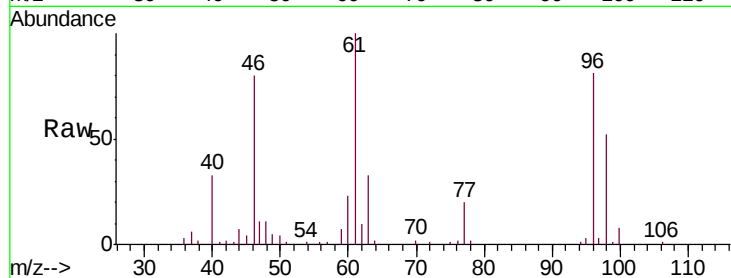


#22

cis-1,2-Dichloroethene
Concen: 5.388 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

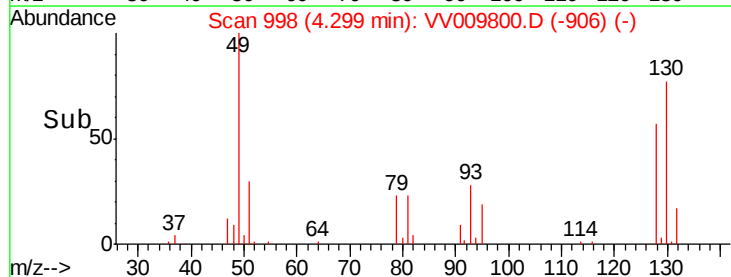
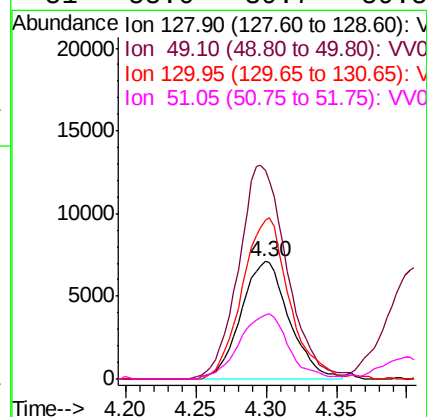
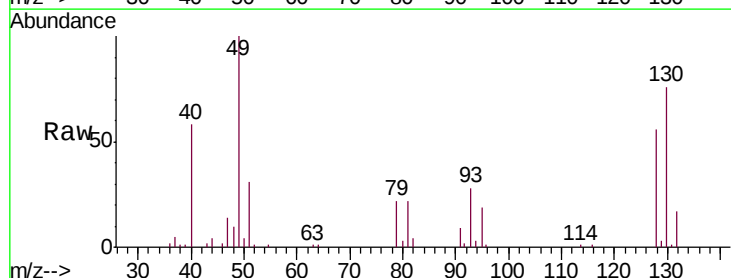
Tgt Ion: 96 Resp: 43089
Ion Ratio Lower Upper
96 100
61 123.4 84.8 157.4
68 0.0 0.0 0.0

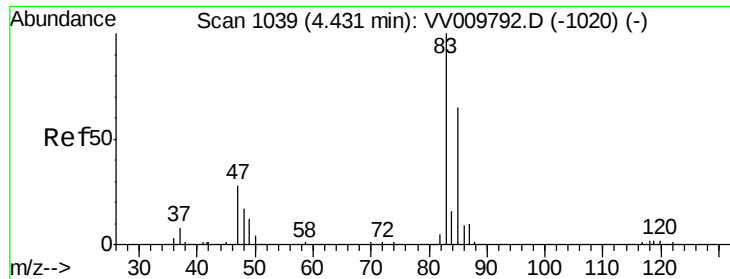


#23

Bromochloromethane
Concen: 5.249 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

Tgt Ion: 128 Resp: 17019
Ion Ratio Lower Upper
128 100
49 177.5 110.4 205.0
130 135.4 89.1 165.5
51 55.0 39.7 59.5

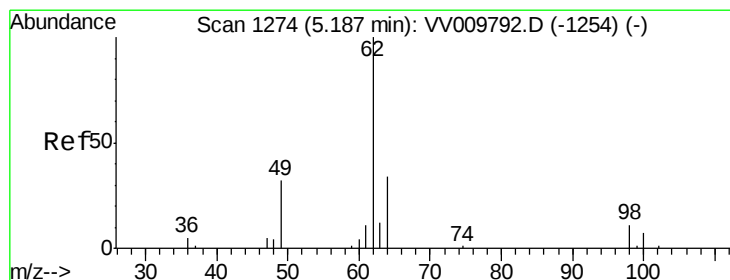
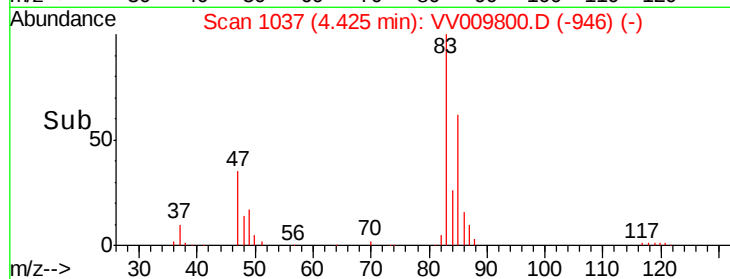
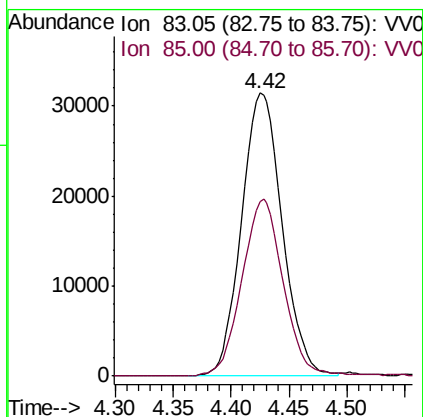
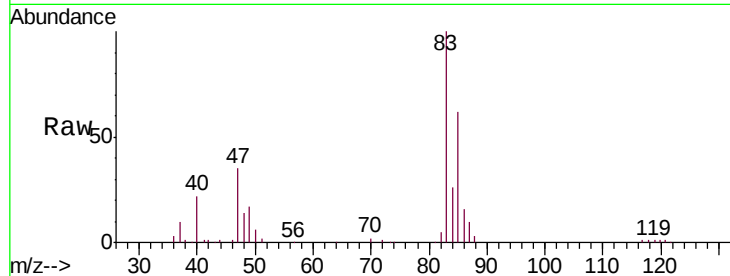




#25
 Chloroform
 Concen: 5.508 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

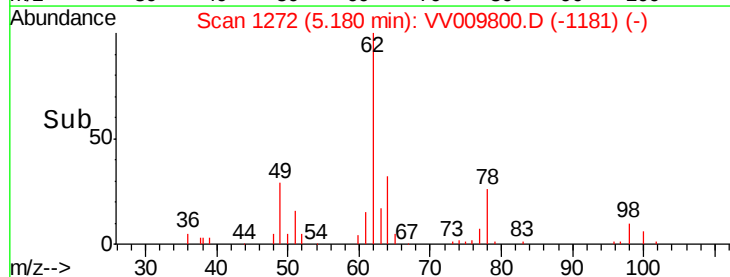
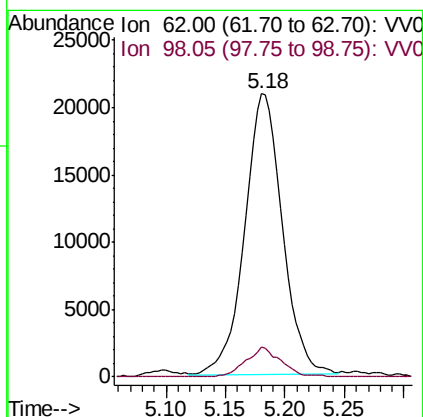
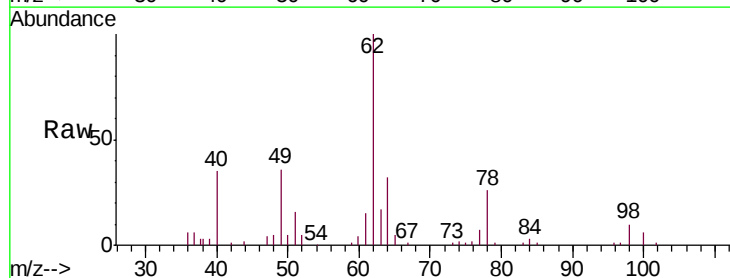
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

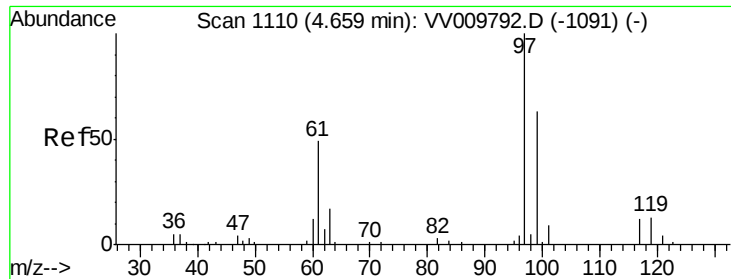
Tgt Ion: 83 Resp: 77010
 Ion Ratio Lower Upper
 83 100
 85 61.6 45.7 84.9



#27
 1,2-Dichloroethane
 Concen: 5.408 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Tgt Ion: 62 Resp: 46022
 Ion Ratio Lower Upper
 62 100
 98 10.4 7.4 11.0

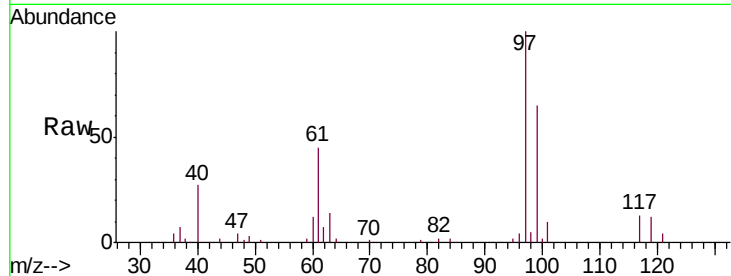




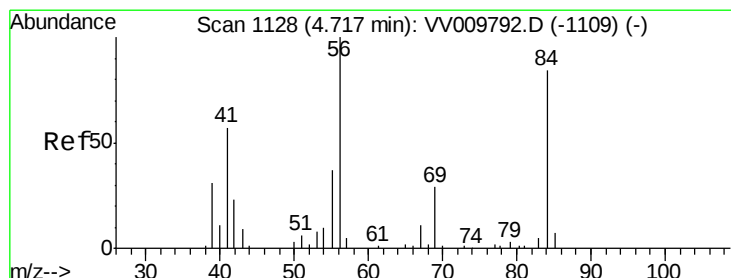
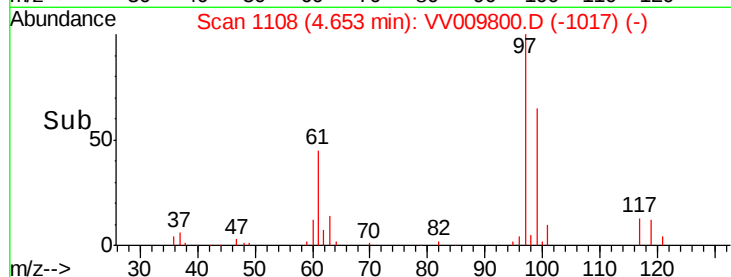
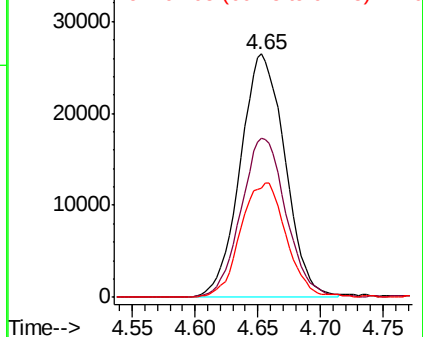
#29
 1,1,1-Trichloroethane
 Concen: 5.163 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00537

Tgt Ion: 97 Resp: 65696
 Ion Ratio Lower Upper
 97 100
 99 66.0 50.8 76.2
 61 47.9 35.0 52.6

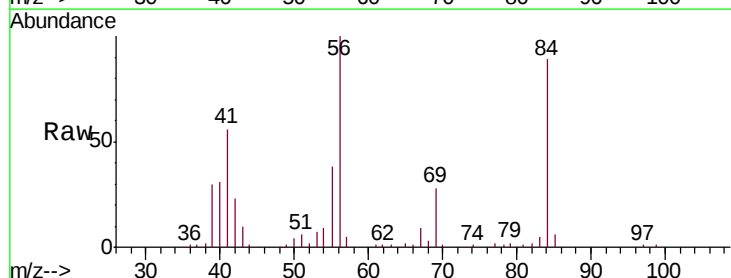


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

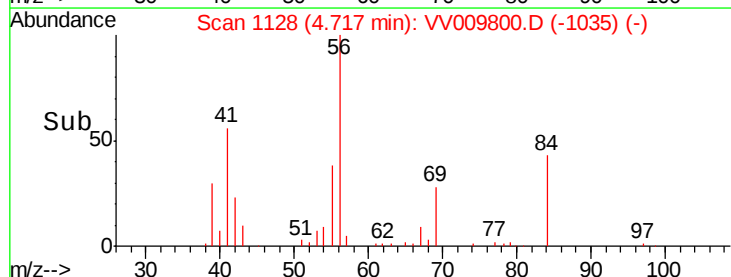
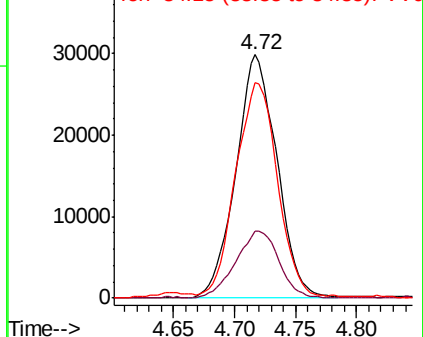


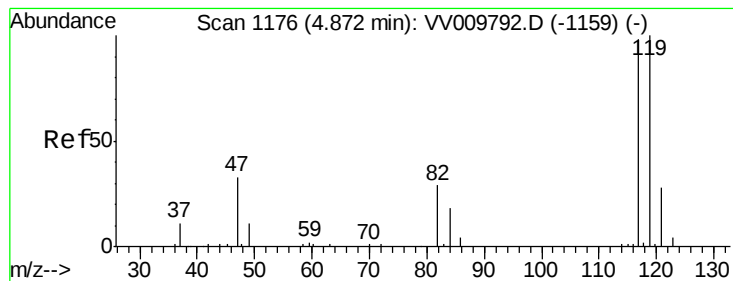
#30
 Cyclohexane
 Concen: 5.274 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Tgt Ion: 56 Resp: 69550
 Ion Ratio Lower Upper
 56 100
 69 28.9 25.6 38.4
 84 89.7 72.4 108.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.255 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

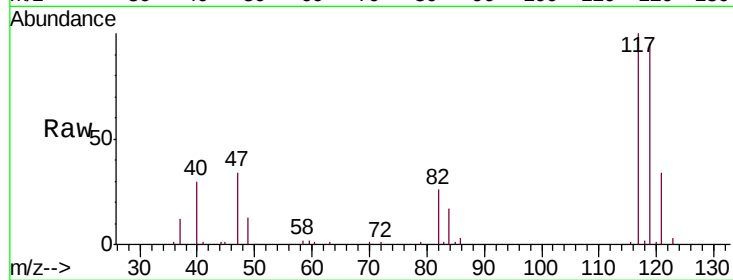
VSTD00537

Tgt Ion:117 Resp: 57572

Ion Ratio Lower Upper

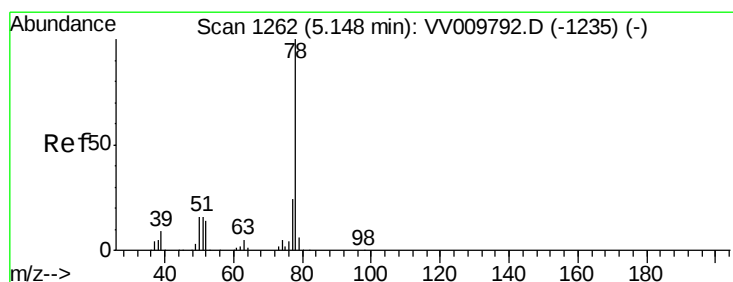
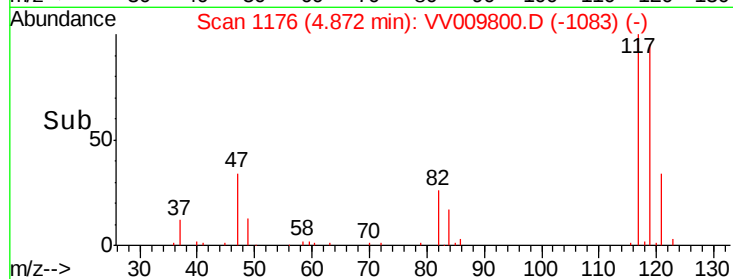
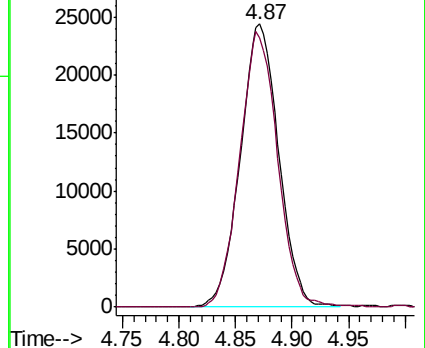
117 100

119 96.1 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.216 ug/L

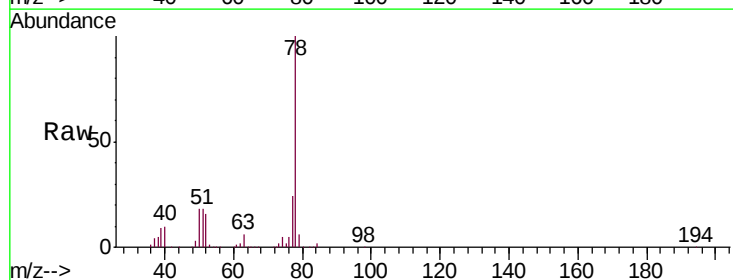
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

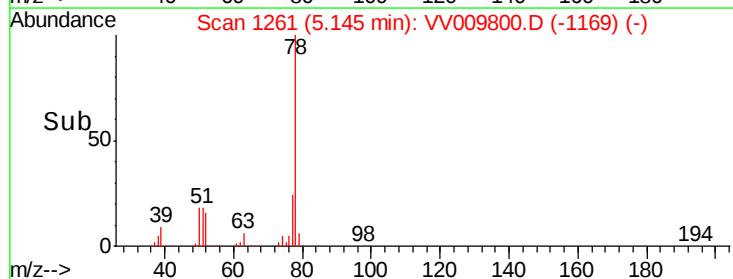
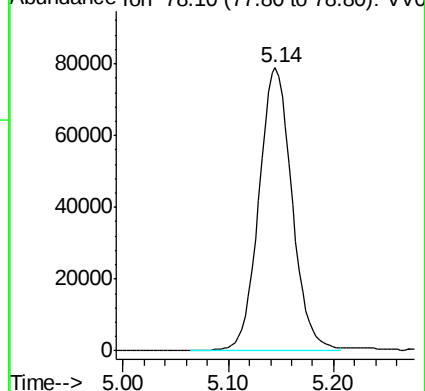
Lab File: VV009800.D

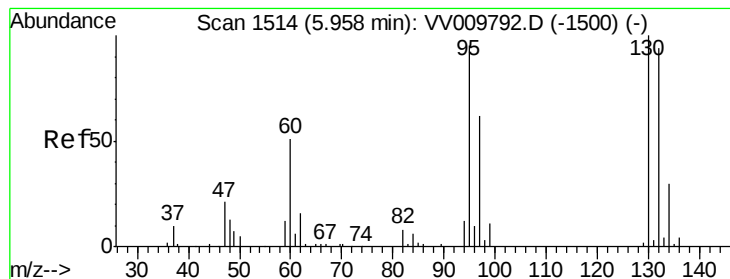
Acq: 21 Mar 2019 17:19

Tgt Ion: 78 Resp: 172718



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.251 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

Tgt Ion: 95 Resp: 43979

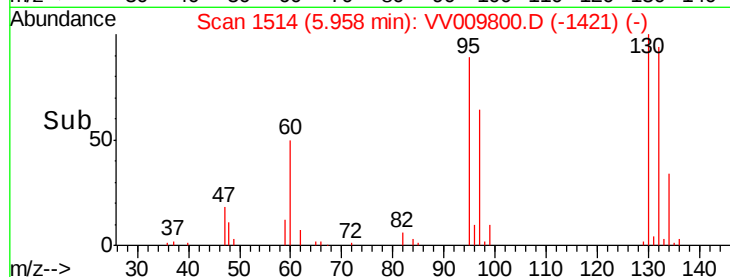
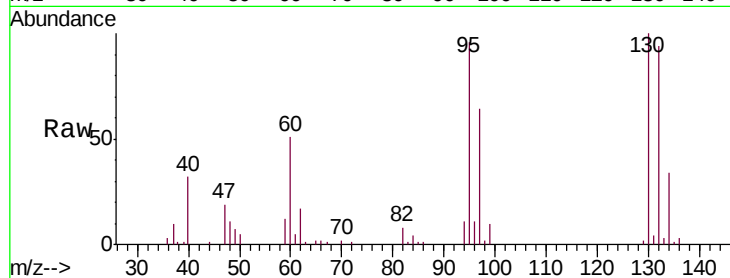
Ion Ratio Lower Upper

95 100

97 66.9 44.4 82.5

132 98.0 66.4 123.4

130 103.8 68.1 126.5



Abundance Ion 95.00 (94.70 to 95.70): VV009792.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV009792.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV009792.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV009792.D (-1500) (-)

Time-->

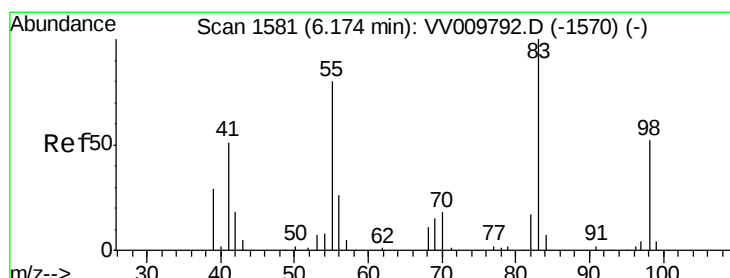
5.96

20000

10000

0

5.90 5.95 6.00 6.05



#35

Methylcyclohexane

Concen: 5.207 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

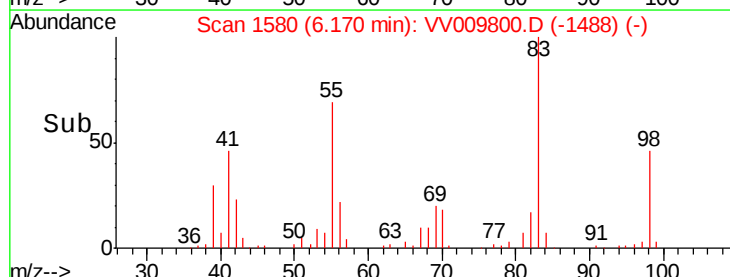
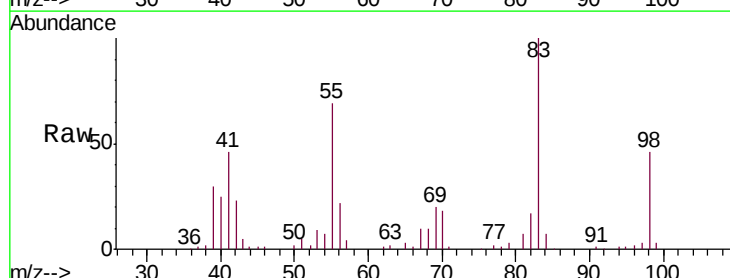
Tgt Ion: 83 Resp: 74646

Ion Ratio Lower Upper

83 100

55 72.6 57.4 86.2

98 50.5 38.9 58.3



Abundance Ion 83.15 (82.85 to 83.85): VV009792.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV009792.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV009792.D (-1570) (-)

Time-->

6.17

50000

40000

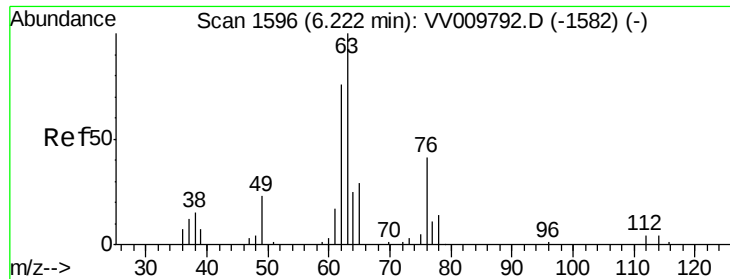
30000

20000

10000

0

6.10 6.15 6.20 6.25



#37

1,2-Dichloropropane

Concen: 5.048 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

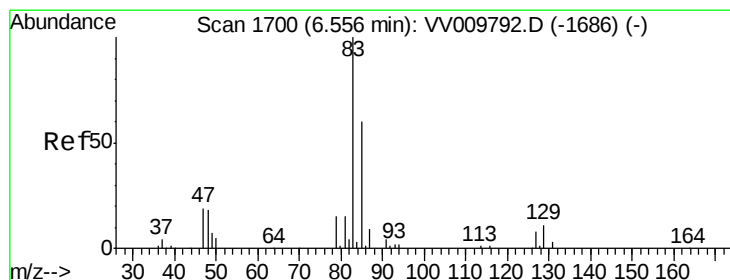
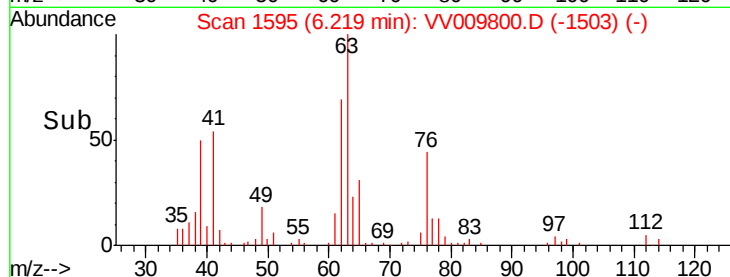
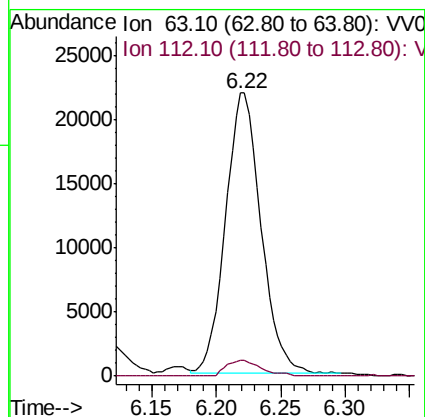
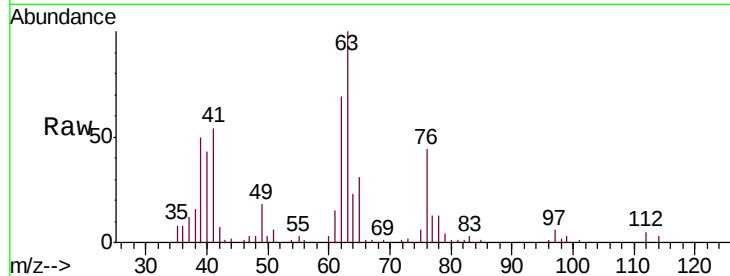
VSTD00537

Tgt Ion: 63 Resp: 41780

Ion Ratio Lower Upper

63 100

112 5.4 3.3 4.9#



#38

Bromodichloromethane

Concen: 5.373 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

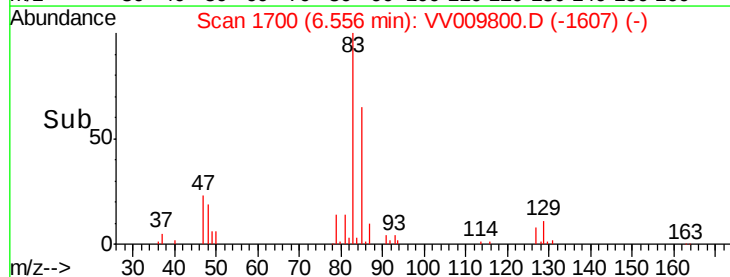
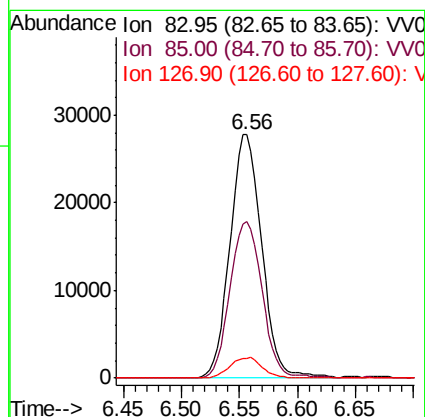
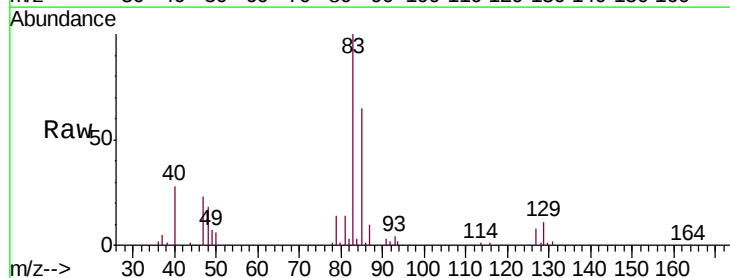
Tgt Ion: 83 Resp: 52587

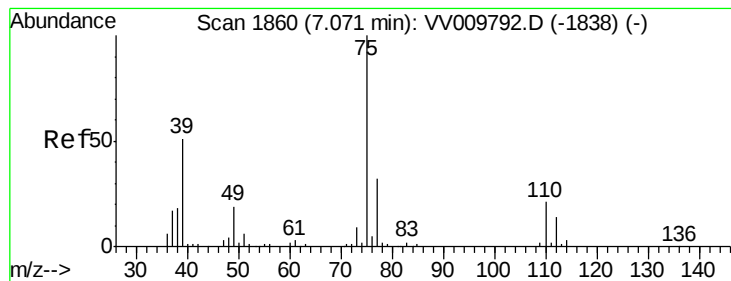
Ion Ratio Lower Upper

83 100

85 64.5 42.8 79.4

127 8.2 6.2 9.4



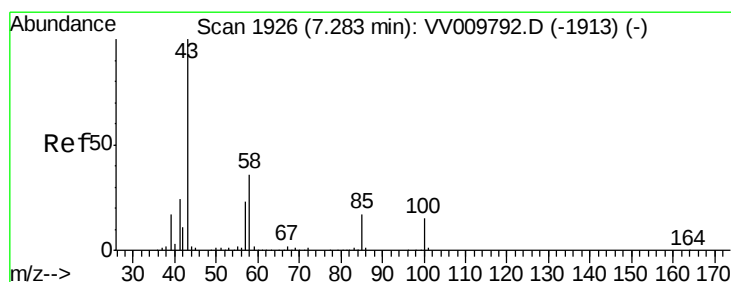
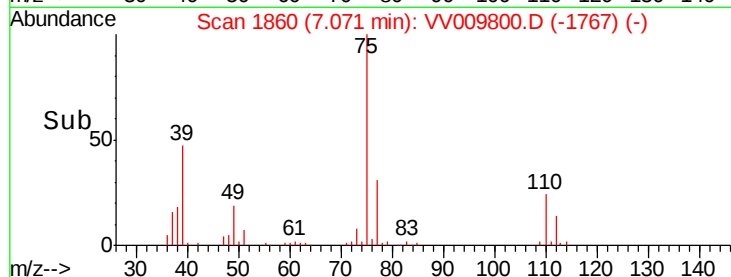
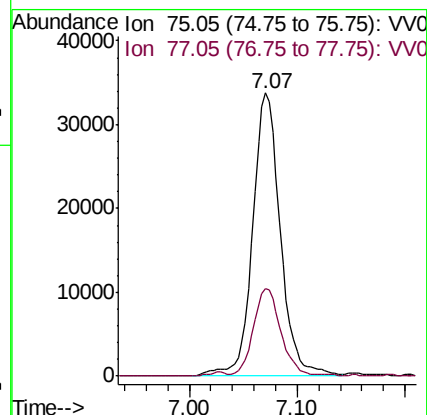
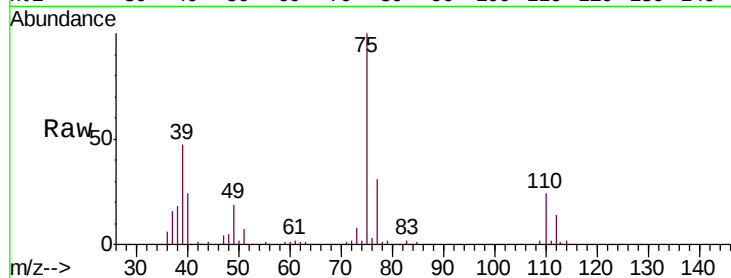


#39

cis-1,3-Dichloropropene
Concen: 5.395 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

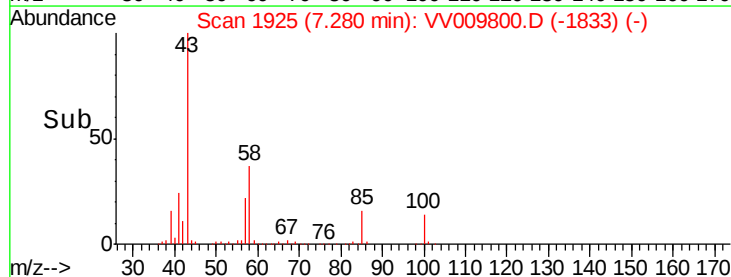
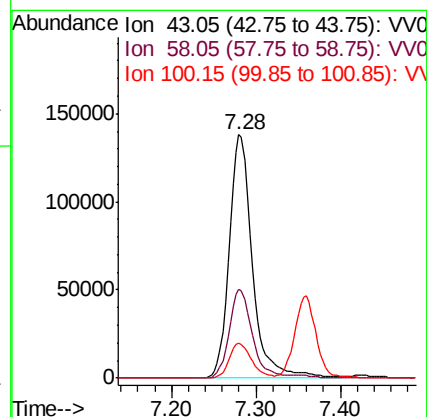
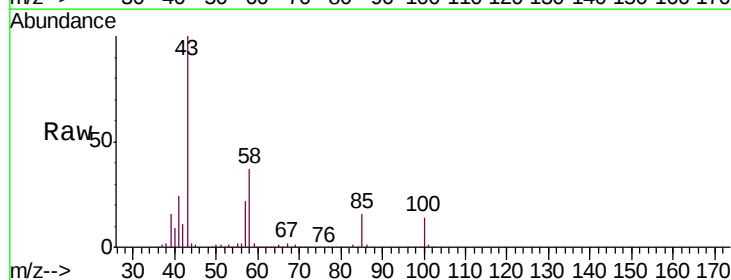
Tgt Ion: 75 Resp: 60410
Ion Ratio Lower Upper
75 100
77 31.0 24.1 44.8

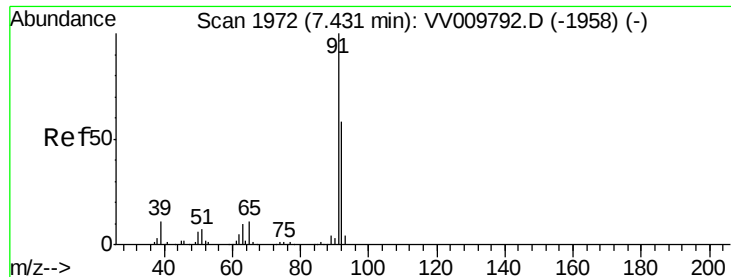


#40

4-Methyl-2-pentanone
Concen: 54.406 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

Tgt Ion: 43 Resp: 263131
Ion Ratio Lower Upper
43 100
58 36.4 32.3 48.5
100 13.9 12.0 18.0





#42

Toluene

Concen: 5.302 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

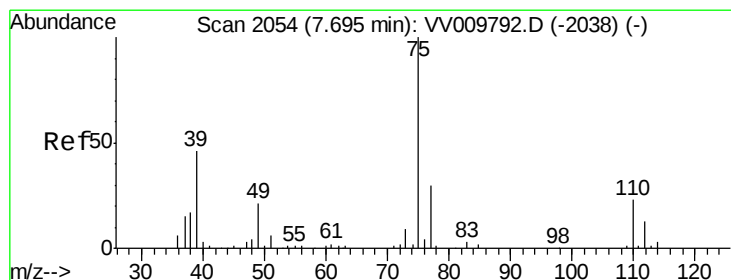
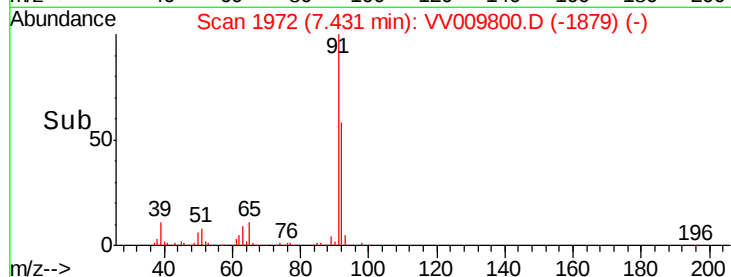
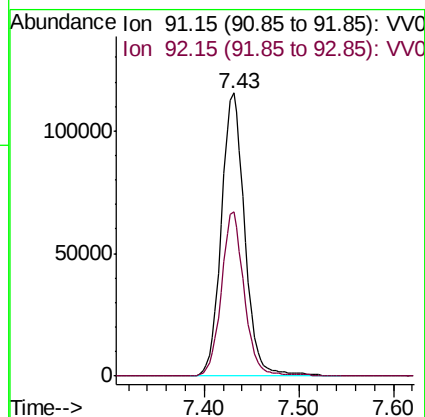
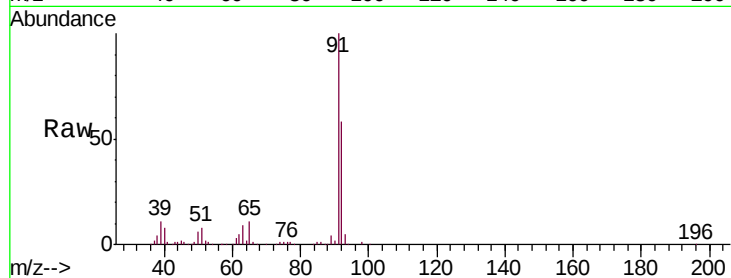
VSTD00537

Tgt Ion: 91 Resp: 198655

Ion Ratio Lower Upper

91 100

92 57.9 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 5.154 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009800.D

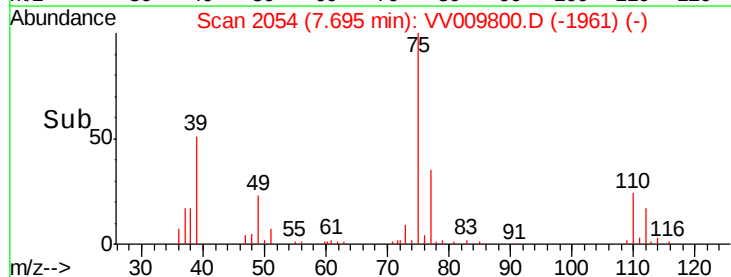
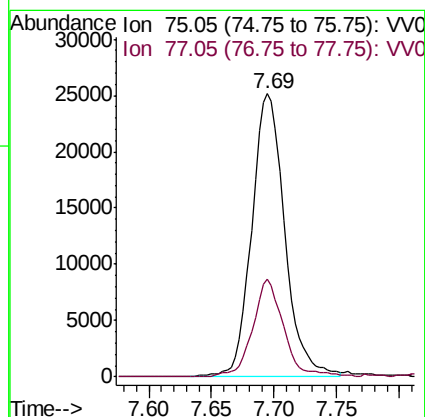
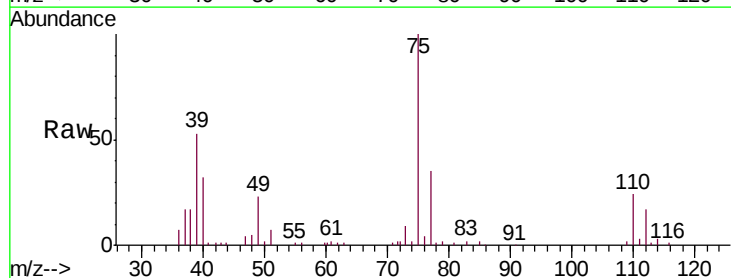
Acq: 21 Mar 2019 17:19

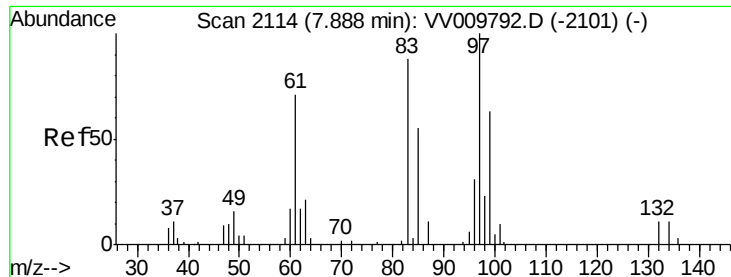
Tgt Ion: 75 Resp: 46139

Ion Ratio Lower Upper

75 100

77 34.7 22.7 42.3

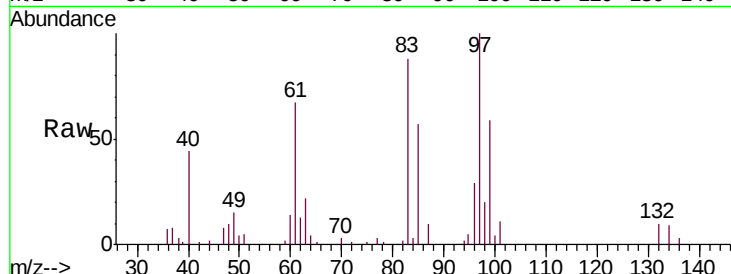




#45
 1,1,2-Trichloroethane
 Concen: 5.294 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion:	97	Resp:	29827
Ion	Ratio	Lower	Upper
97	100		
99	59.5	43.8	81.4
83	88.2	60.7	112.7
85	57.2	40.5	75.3



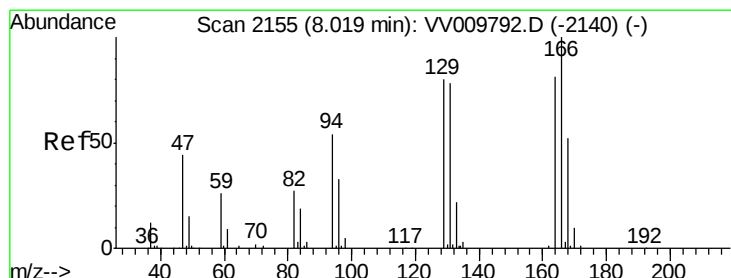
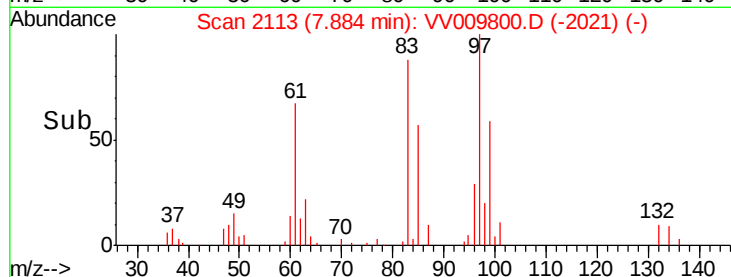
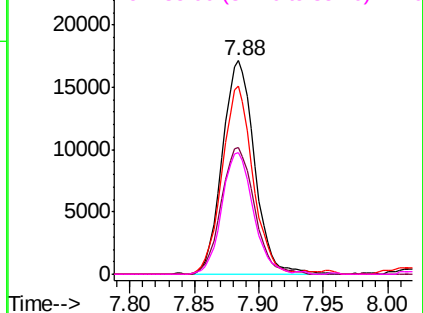
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

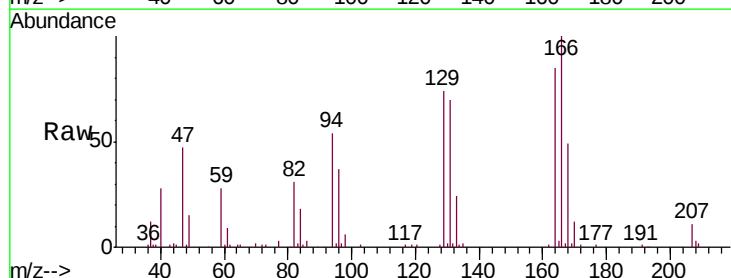
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.231 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Tgt Ion:	164	Resp:	37835
Ion	Ratio	Lower	Upper
164	100		
129	87.6	73.6	136.8
131	83.1	68.4	127.0
166	117.9	91.8	170.4



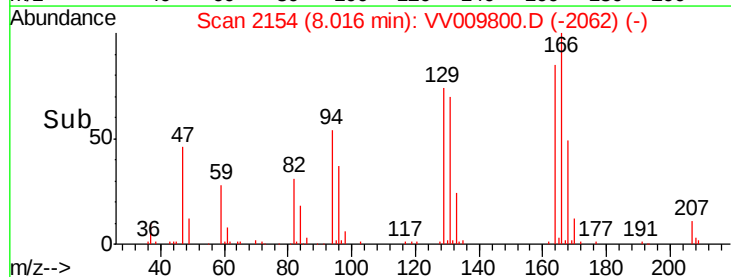
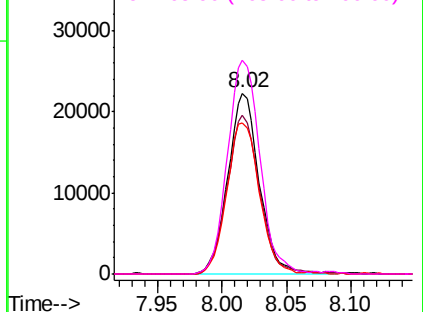
Abundance

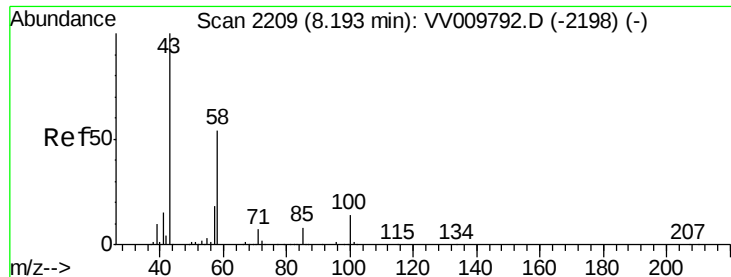
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

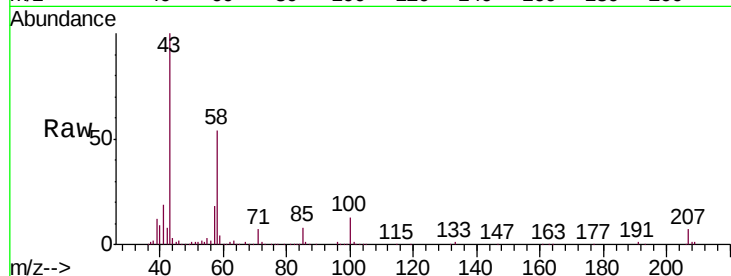




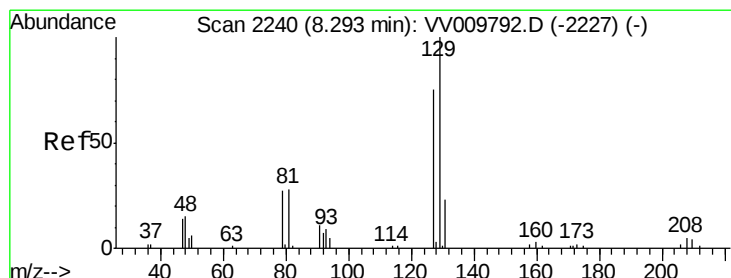
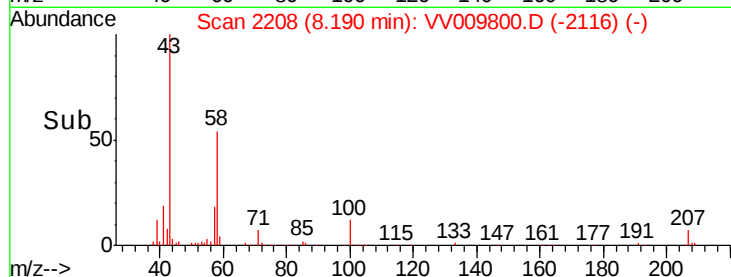
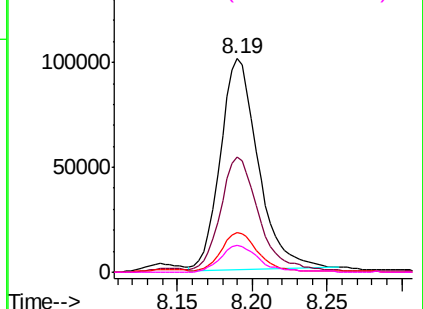
#48
2-Hexanone
Concen: 52.118 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

Tgt Ion:	43	Resp:	177339
Ion	Ratio	Lower	Upper
43	100		
58	55.3	43.4	65.0
57	18.3	15.0	22.4
100	13.6	9.6	14.4

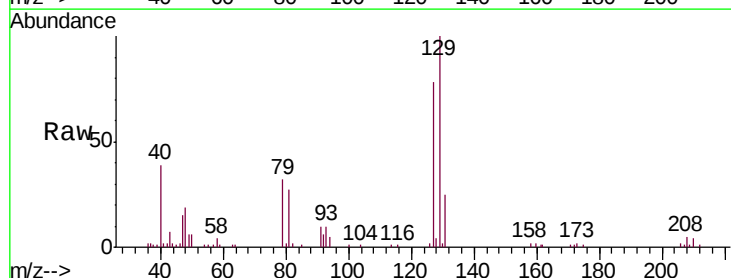


Abundance Ion 43.05 (42.75 to 43.75): VV009792.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV009792.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV009792.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV009792.D (-2198) (-)

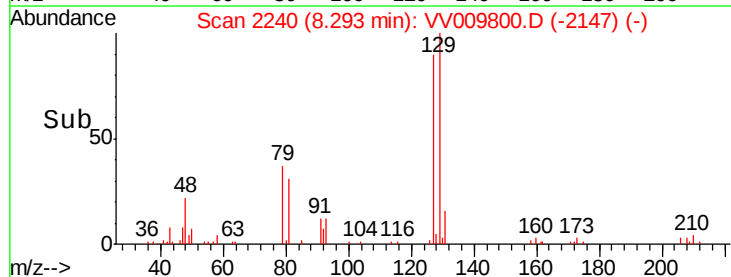
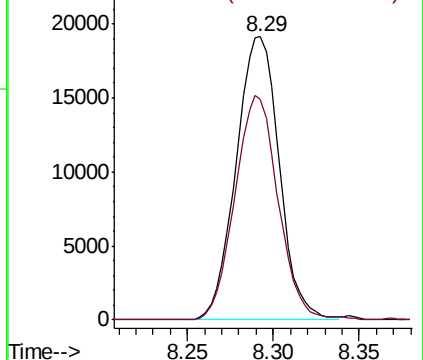


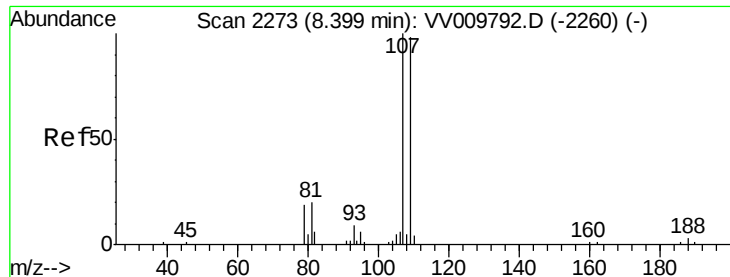
#49
Dibromochloromethane
Concen: 5.121 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009800.D
Acq: 21 Mar 2019 17:19

Tgt Ion:	129	Resp:	33354
Ion	Ratio	Lower	Upper
129	100		
127	78.1	52.4	97.4



Abundance Ion 128.95 (128.65 to 129.65): VV009792.D (-2227) (-)
Ion 126.90 (126.60 to 127.60): VV009792.D (-2227) (-)

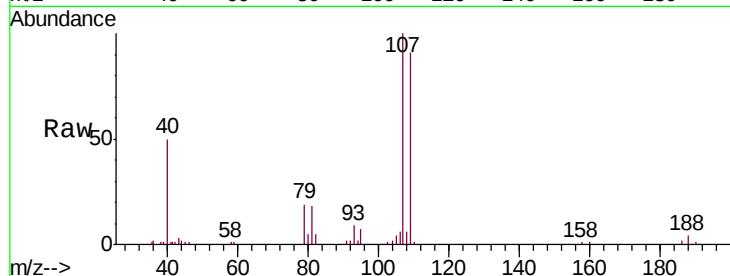




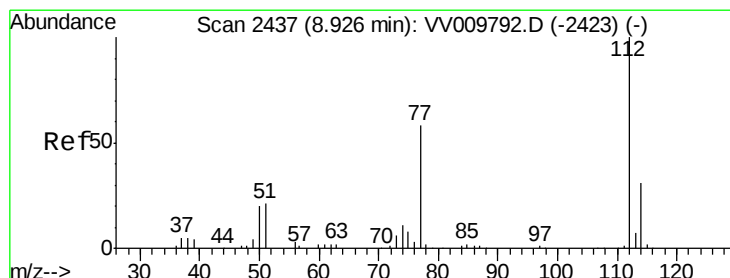
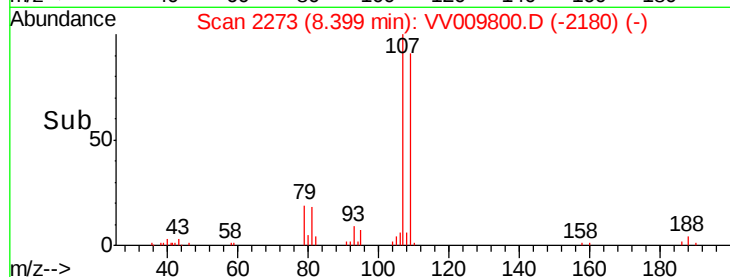
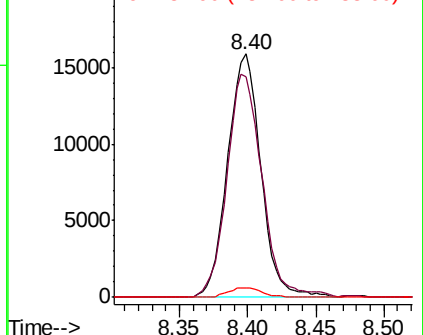
#50
 1,2-Dibromoethane
 Concen: 5.115 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion:107 Resp: 26911
 Ion Ratio Lower Upper
 107 100
 109 90.7 61.8 114.8
 188 3.8 2.4 3.6#

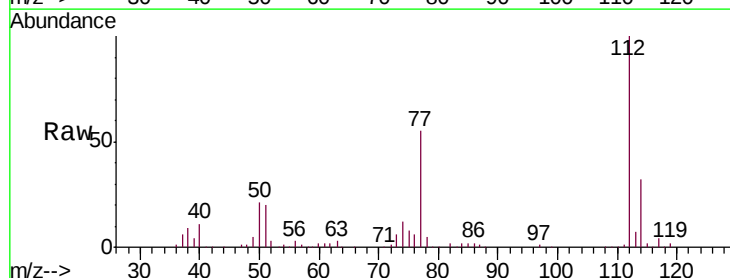


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

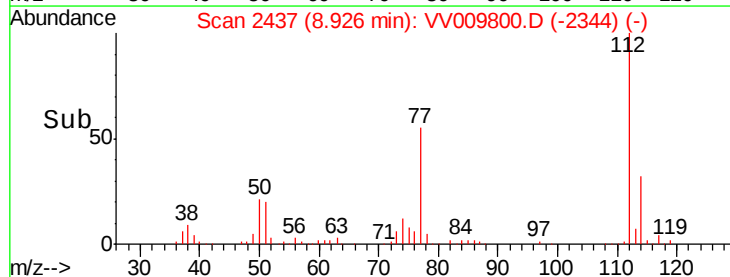
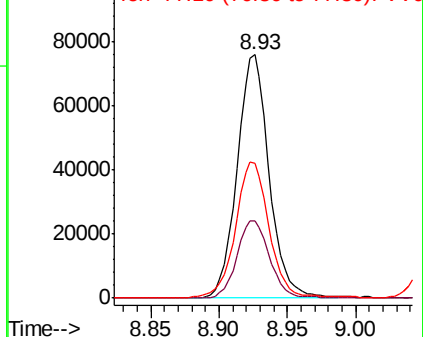


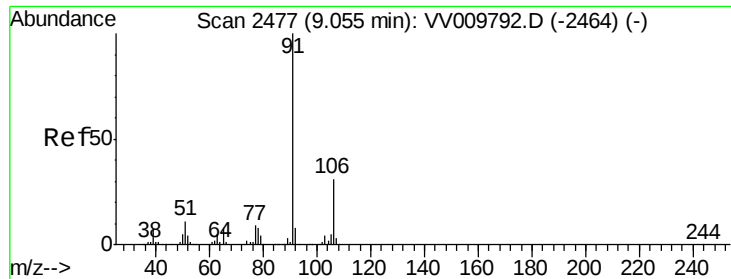
#51
 Chlorobenzene
 Concen: 5.153 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Tgt Ion:112 Resp: 123611
 Ion Ratio Lower Upper
 112 100
 114 31.8 21.8 40.4
 77 55.2 45.0 67.4



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.310 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

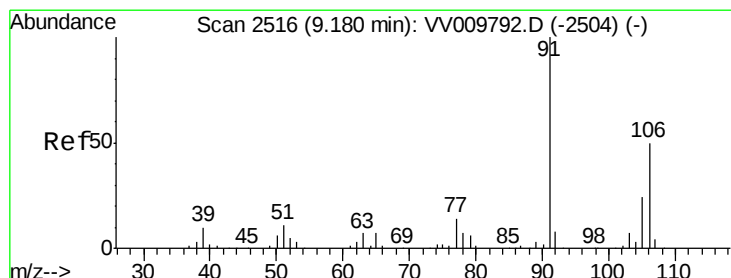
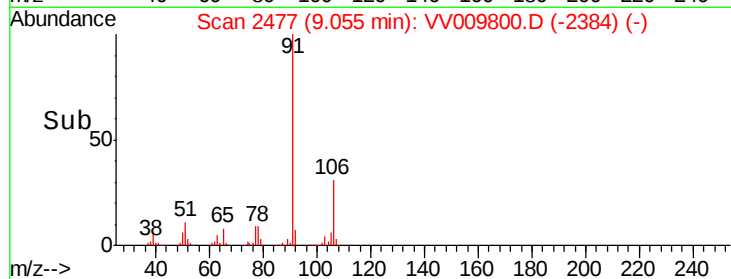
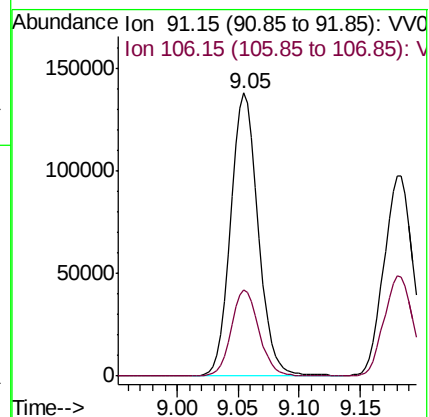
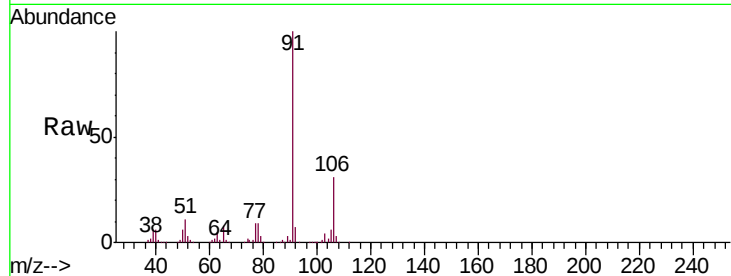
VSTD00537

Tgt Ion: 91 Resp: 219187

Ion Ratio Lower Upper

91 100

106 30.6 22.7 42.1



#53

m,p-xylene

Concen: 5.244 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009800.D

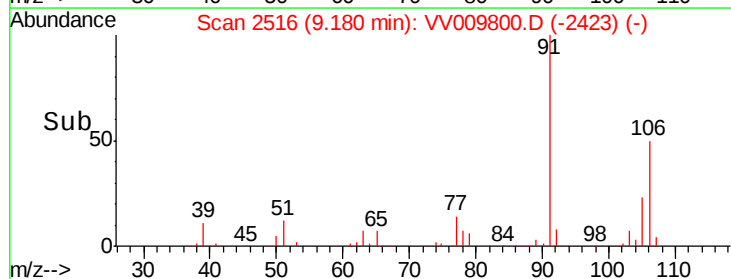
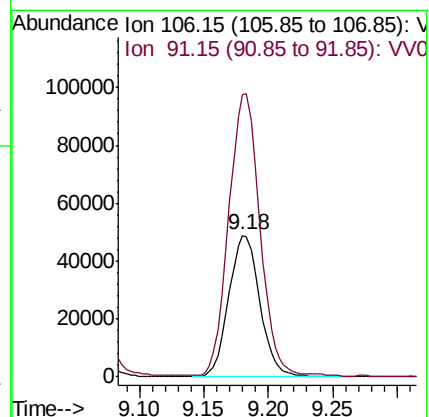
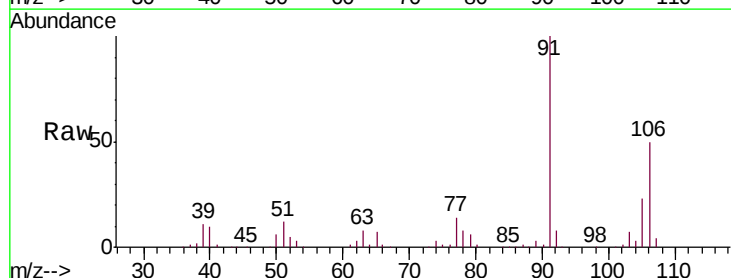
Acq: 21 Mar 2019 17:19

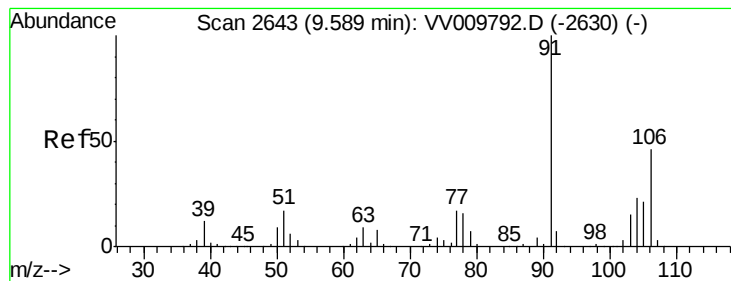
Tgt Ion: 106 Resp: 82268

Ion Ratio Lower Upper

106 100

91 199.2 143.2 266.0





#54

o-xylene

Concen: 5.310 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

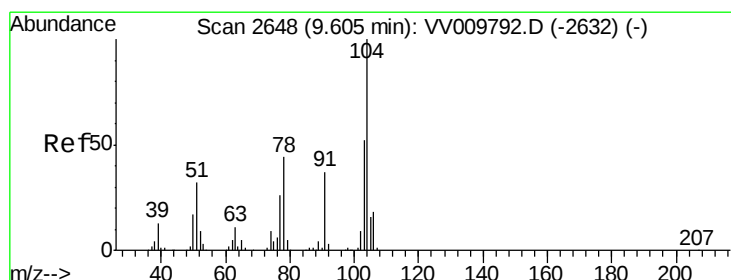
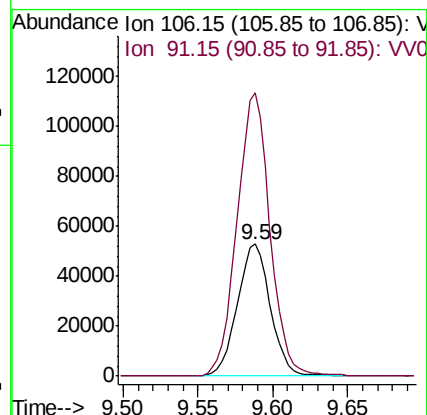
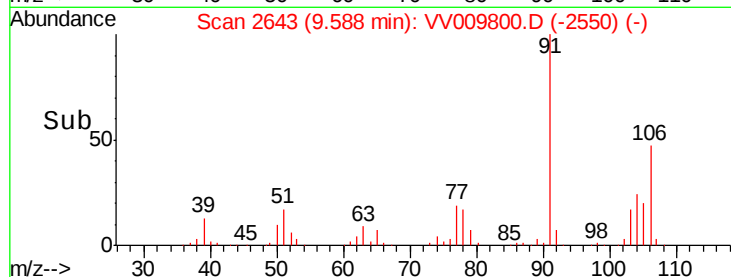
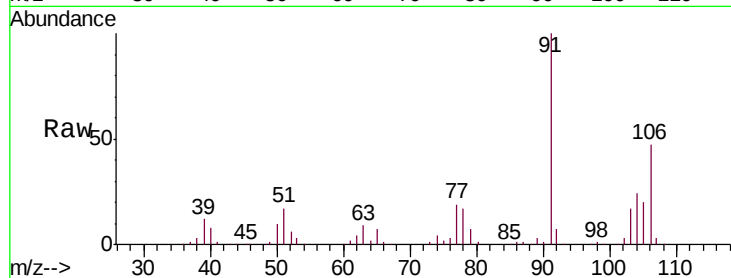
VSTD00537

Tgt Ion:106 Resp: 81364

Ion Ratio Lower Upper

106 100

91 214.7 152.9 283.9



#55

Styrene

Concen: 5.479 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009800.D

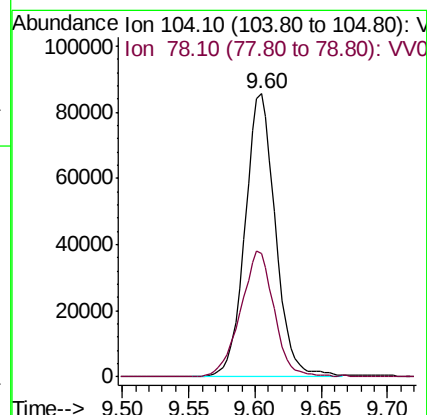
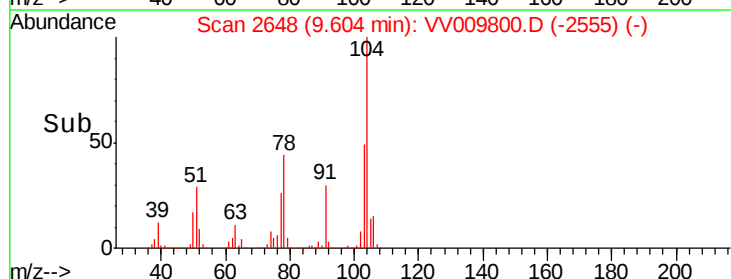
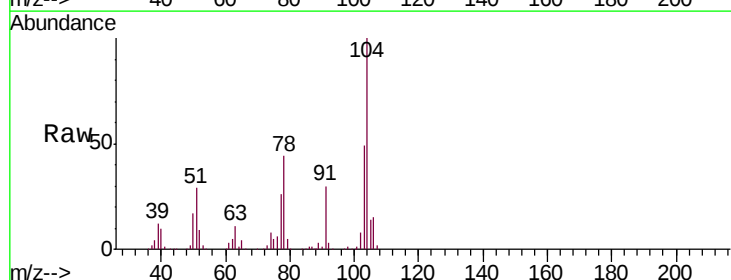
Acq: 21 Mar 2019 17:19

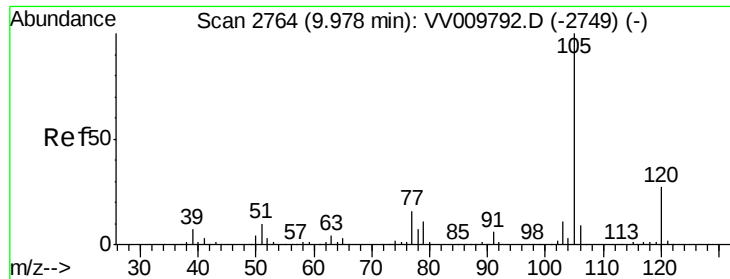
Tgt Ion:104 Resp: 136505

Ion Ratio Lower Upper

104 100

78 43.7 32.2 59.8





#56

Isopropylbenzene

Concen: 5.400 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

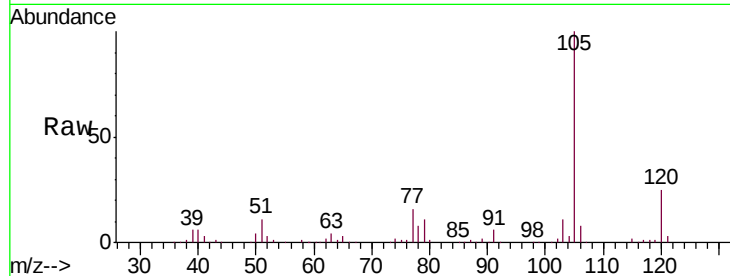
Tgt Ion: 105 Resp: 218511

Ion Ratio Lower Upper

105 100

120 25.8 21.4 32.2

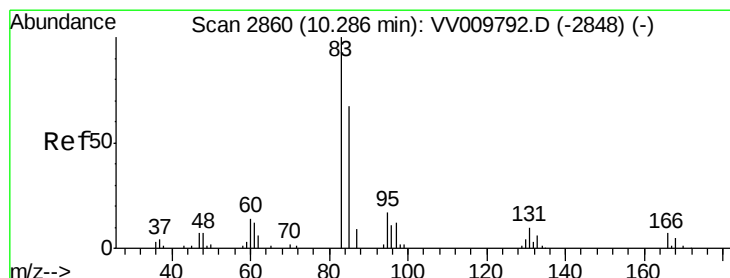
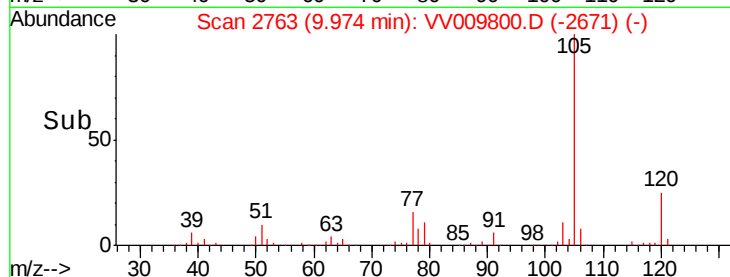
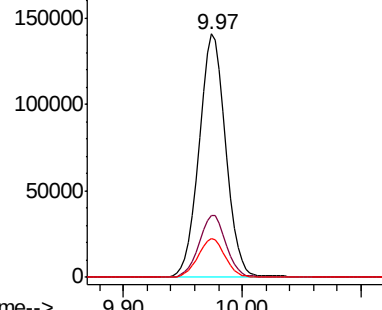
77 16.0 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): VV009792.D (-2749) (-)

Ion 120.10 (119.80 to 120.80): VV009792.D (-2749) (-)

Ion 77.10 (76.80 to 77.80): VV009792.D (-2749) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.423 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

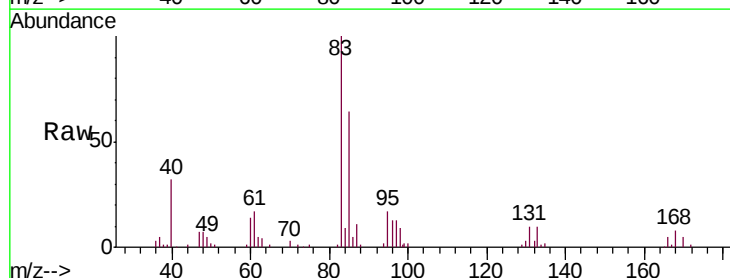
Tgt Ion: 83 Resp: 37856

Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2

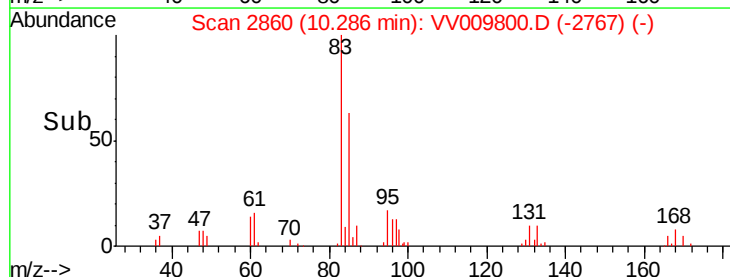
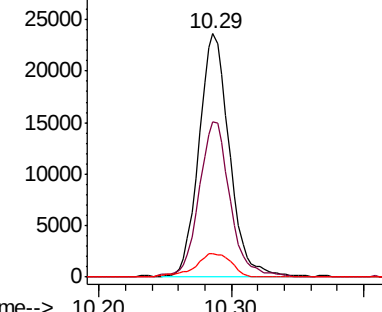
131 9.5 9.0 13.4

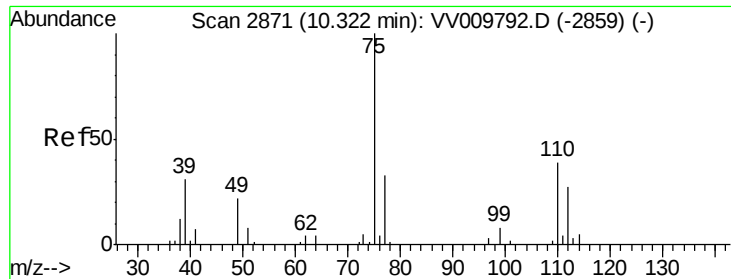


Abundance Ion 82.95 (82.65 to 83.65): VV009792.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV009792.D (-2848) (-)

Ion 130.95 (130.65 to 131.65): VV009792.D (-2848) (-)

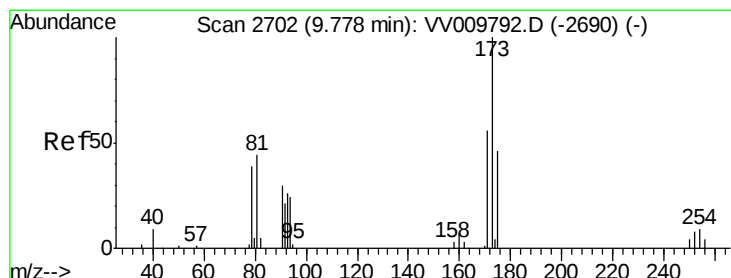
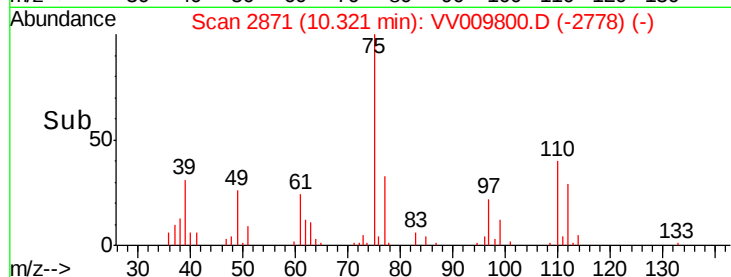
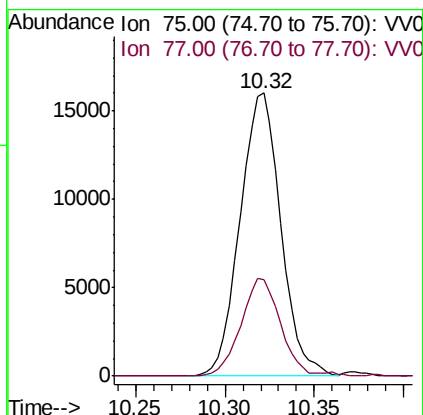
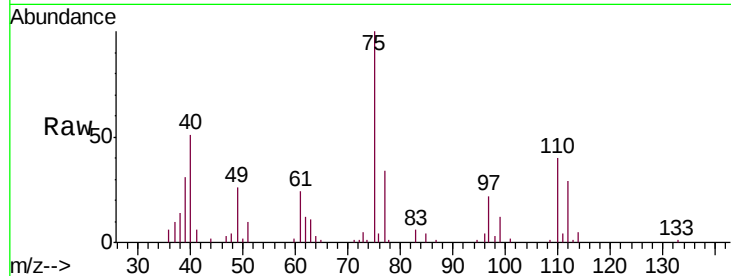




#59
 1,2,3-Trichloropropane
 Concen: 5.307 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

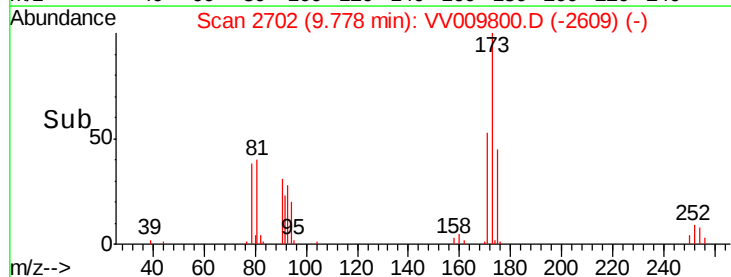
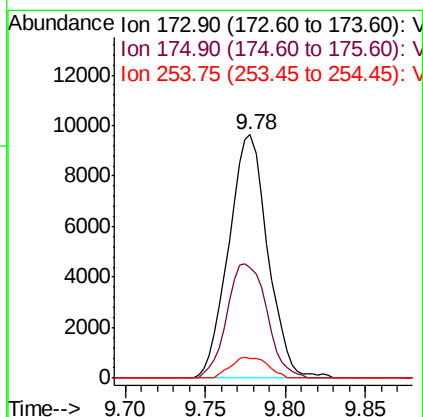
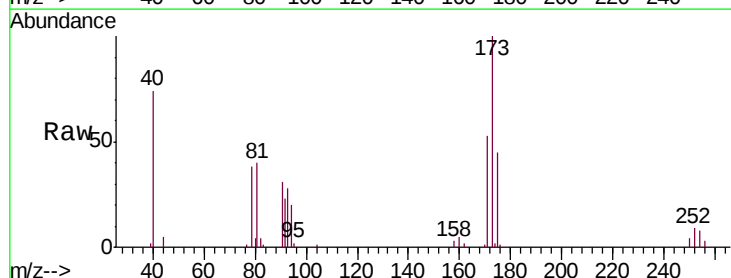
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

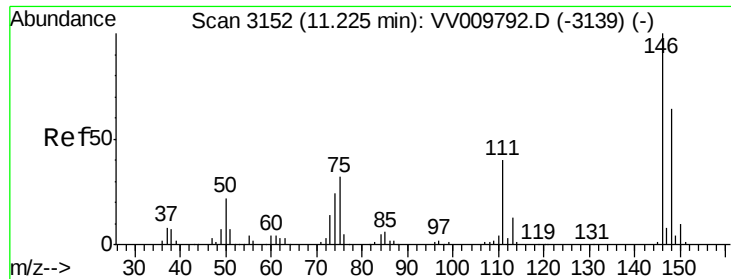
Tgt Ion: 75 Resp: 25516
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.7 38.5



#61
 Bromoform
 Concen: 5.189 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Tgt Ion: 173 Resp: 15998
 Ion Ratio Lower Upper
 173 100
 175 48.1 40.0 60.0
 254 8.2 6.2 9.2





#62

1,3-Dichlorobenzene

Concen: 5.189 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

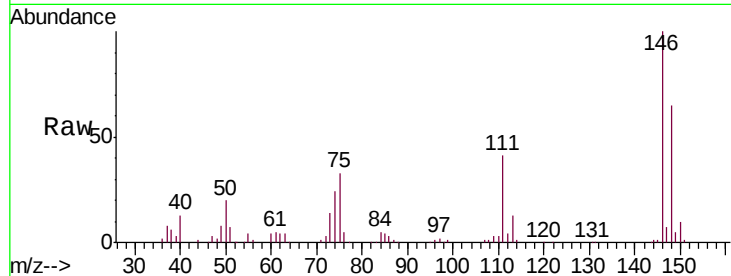
Tgt Ion:146 Resp: 96269

Ion Ratio Lower Upper

146 100

111 40.7 29.7 55.1

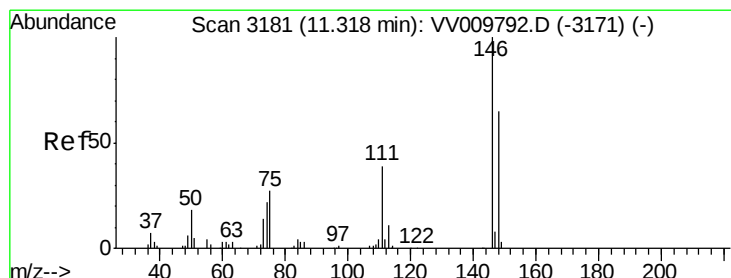
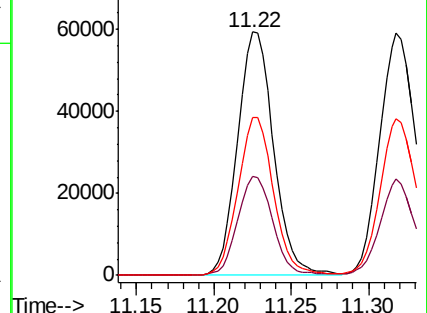
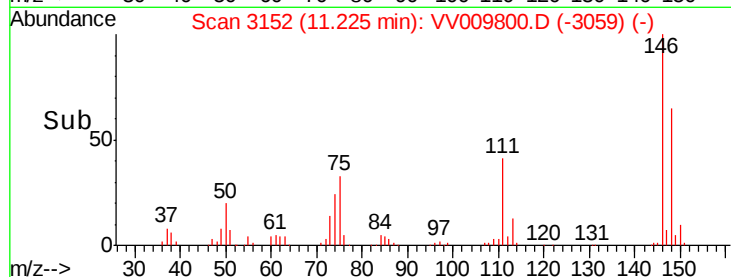
148 65.1 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.237 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

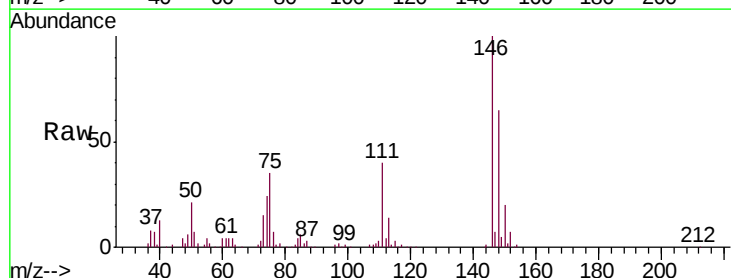
Tgt Ion:146 Resp: 98301

Ion Ratio Lower Upper

146 100

111 39.6 27.4 51.0

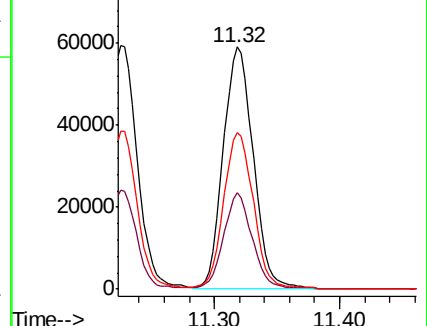
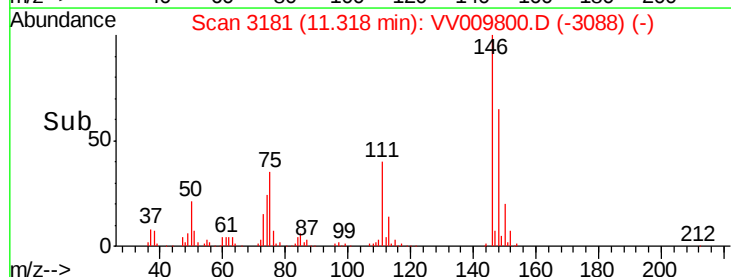
148 64.9 43.6 81.0

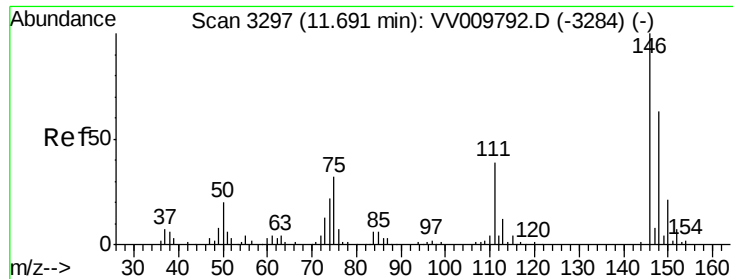


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.107 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

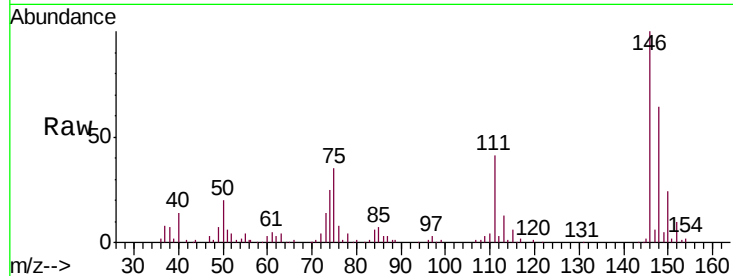
Tgt Ion:146 Resp: 89169

Ion Ratio Lower Upper

146 100

111 41.3 34.7 52.1

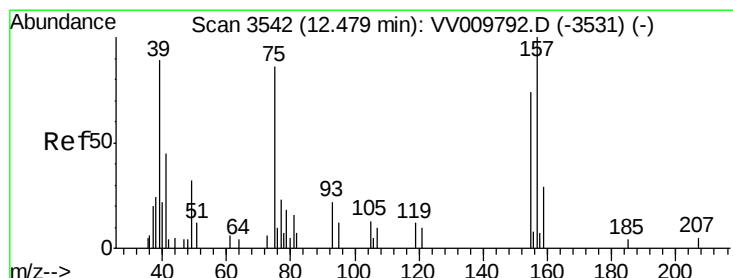
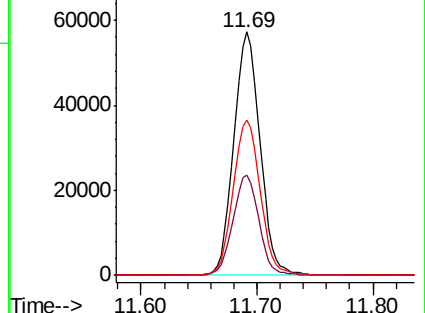
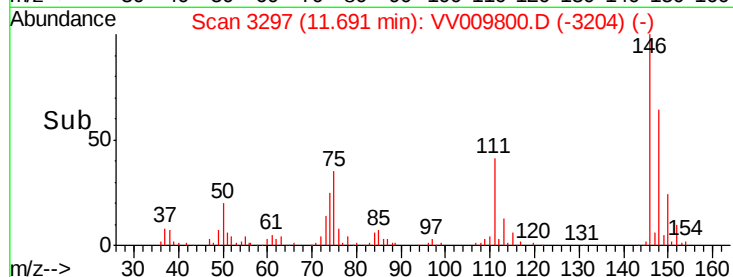
148 63.6 50.6 76.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.018 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

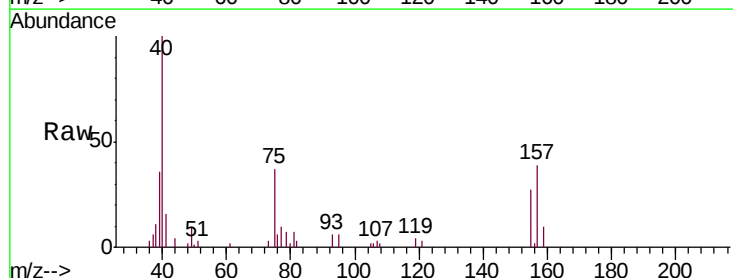
Tgt Ion: 75 Resp: 4685

Ion Ratio Lower Upper

75 100

155 73.3 73.5 110.3#

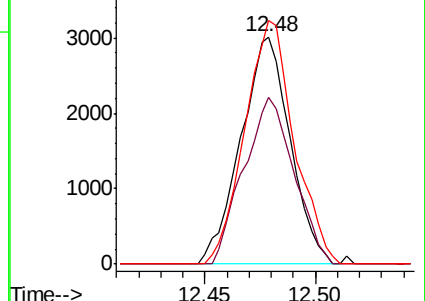
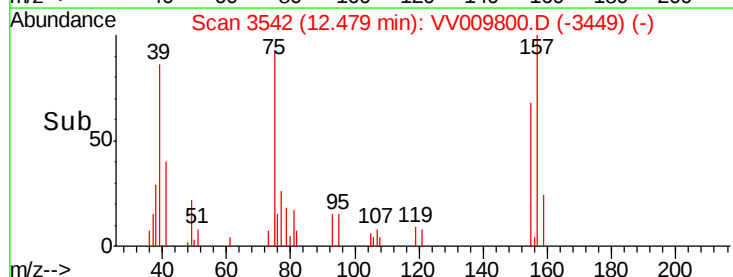
157 107.0 88.3 132.5

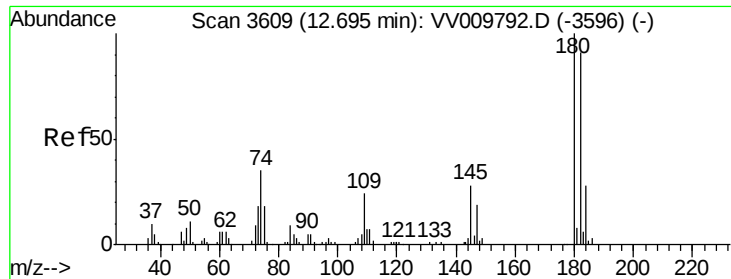


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

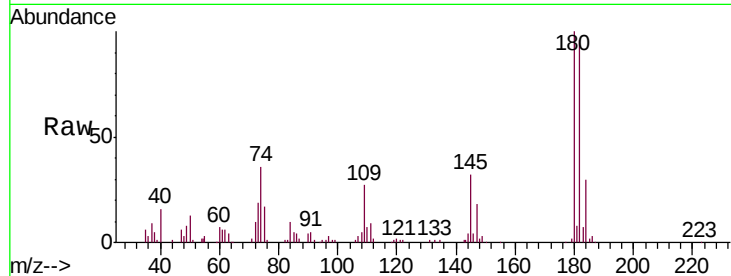




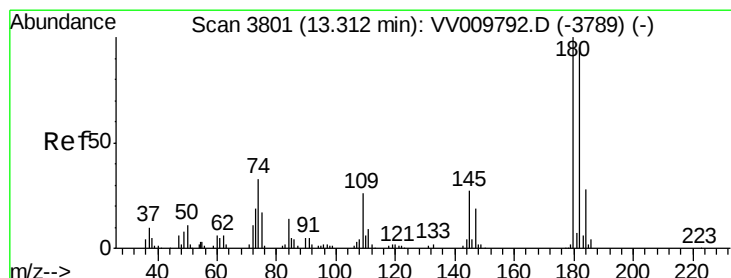
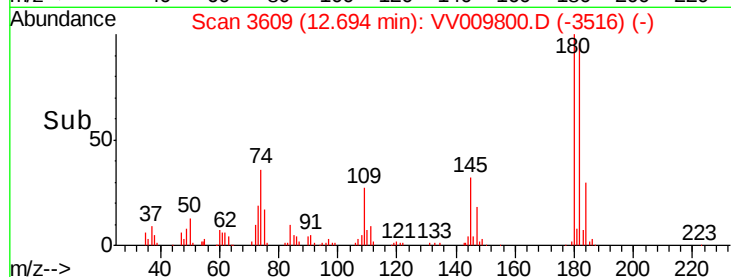
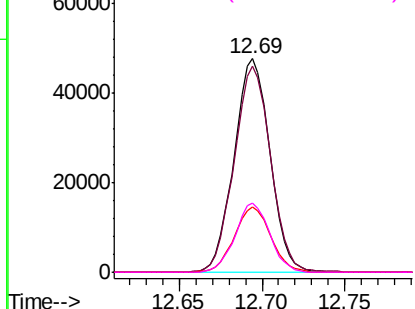
#67
 1,3,5-Trichlorobenzene
 Concen: 5.116 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion:	180	Resp:	71859
Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.0	112.6
184	31.0	23.9	35.9
145	31.4	25.3	37.9

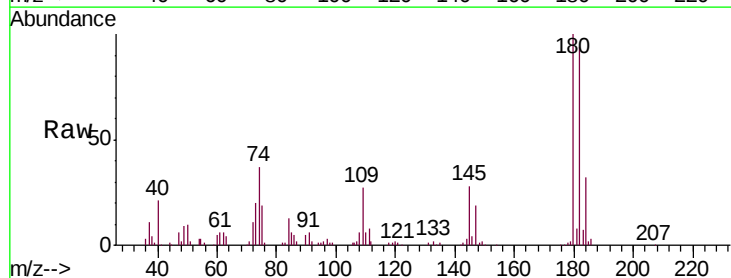


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

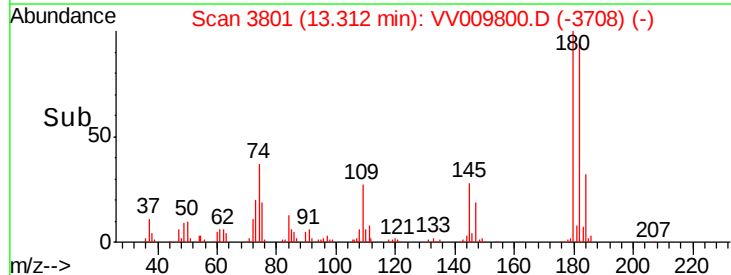
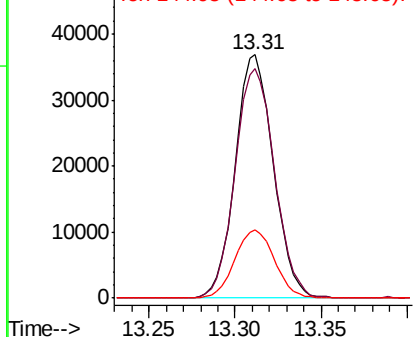


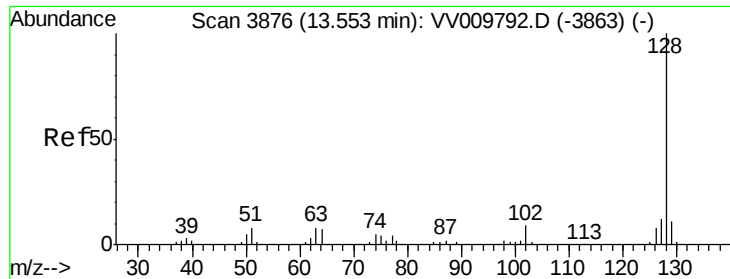
#68
 1,2,4-trichlorobenzene
 Concen: 5.412 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009800.D
 Acq: 21 Mar 2019 17:19

Tgt Ion:	180	Resp:	56985
Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.2	112.8
145	29.0	26.6	39.8



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





#69

Naphthalene

Concen: 5.266 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

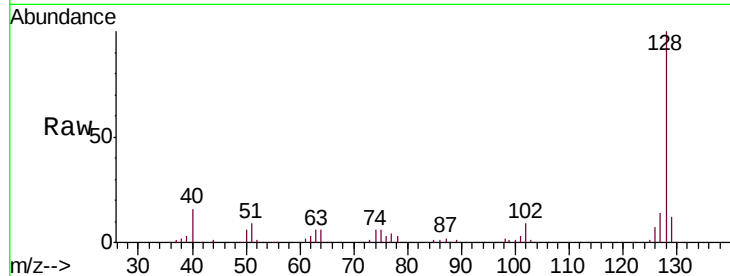
Tgt Ion:128 Resp: 87060

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

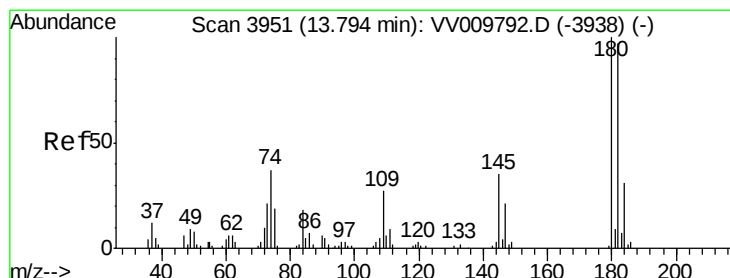
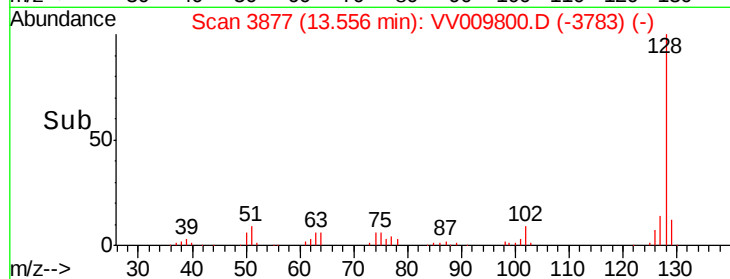
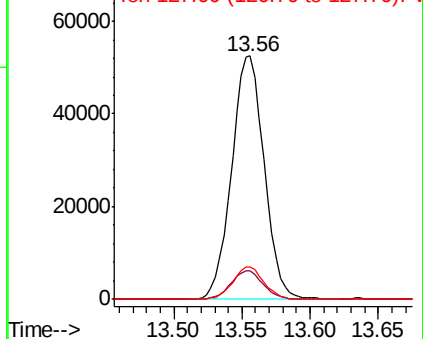
127 12.8 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.538 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009800.D

Acq: 21 Mar 2019 17:19

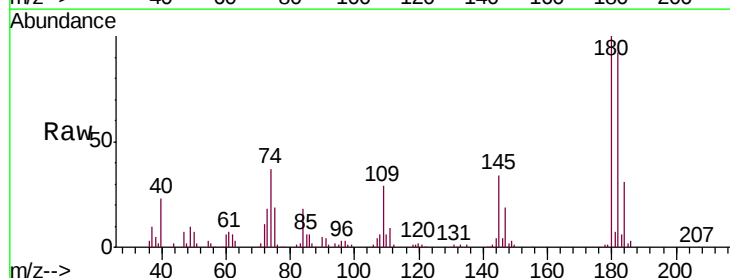
Tgt Ion:180 Resp: 54121

Ion Ratio Lower Upper

180 100

182 93.1 76.8 115.2

145 30.3 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

