

Data File : VV010514.D
Acq On : 26 Apr 2019 20:23
Operator : SY/MD
Sample : VSTD01037
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01037

Quant Time: Apr 26 22:25:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 26 22:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	229441	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	226907	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	127556	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	114247	8.70	ug/L	0.00
7) Chloroethane-d5	1.56	69	75057	8.22	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.13	63	219118	8.72	ug/L	0.00
20) 2-Butanone-d5	3.94	46	334469	114.15	ug/L	-0.01
24) Chloroform-d	4.40	84	315333	10.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	152010	10.72	ug/L	0.00
32) Benzene-d6	5.10	84	626609	11.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	169072	10.51	ug/L	0.00
41) Toluene-d8	7.36	98	627468	11.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	70504	11.18	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	336530	134.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	141471	11.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	268387	11.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	187690	10.356 ug/L	95
3) Chloromethane	1.25	50	119761	8.663 ug/L	99
5) Vinyl chloride	1.32	62	130999	8.704 ug/L	99
6) Bromomethane	1.52	94	51461	5.467 ug/L	95
8) Chloroethane	1.58	64	61923	7.751 ug/L	93
9) Trichlorofluoromethane	1.76	101	257017	9.085 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	126313	8.626 ug/L	99
12) 1,1-Dichloroethene	2.14	96	111112	8.348 ug/L	95
13) Acetone	2.19	43	143310	85.826 ug/L	97
14) Carbon disulfide	2.31	76	282924	7.942 ug/L	98
15) Methyl Acetate	2.46	43	41334	9.155 ug/L	99
16) Methylene chloride	2.53	84	159998	10.196 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	343708	10.532 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	163372	10.625 ug/L	95
19) 1,1-Dichloroethane	3.23	63	268668	10.860 ug/L	99
21) 2-Butanone	4.02	43	331098	110.275 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	179161	11.175 ug/L	97
23) Bromochloromethane	4.30	128	82930	11.567 ug/L	98
25) Chloroform	4.43	83	302133	10.515 ug/L	97
27) 1,2-Dichloroethane	5.18	62	174153	10.299 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	272821	10.352 ug/L	100
30) Cyclohexane	4.72	56	212715	9.780 ug/L	99
31) Carbon tetrachloride	4.87	117	267750	11.121 ug/L	99
33) Benzene	5.14	78	630856	10.851 ug/L	100
34) Trichloroethene	5.96	95	179912	10.752 ug/L	97
35) Methylcyclohexane	6.18	83	246229	10.190 ug/L	98
37) 1,2-Dichloropropane	6.22	63	142110	10.042 ug/L	97
38) Bromodichloromethane	6.55	83	202220	10.667 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	224041	10.856 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	822106	103.714 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	711304	10.724	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	174722	10.907	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	117985	11.160	ug/L	94
47) Tetrachloroethene	8.02	164	171625	11.298	ug/L	98
48) 2-Hexanone	8.18	43	600732	108.926	ug/L	96
49) Dibromochloromethane	8.29	129	155312	11.428	ug/L	98
50) 1,2-Dibromoethane	8.40	107	114558	11.255	ug/L	99
51) Chlorobenzene	8.92	112	486639	10.770	ug/L	99
52) Ethylbenzene	9.05	91	775170	10.681	ug/L	100
53) m,p-xylene	9.18	106	320128	11.290	ug/L	98
54) o-xylene	9.59	106	308792	10.984	ug/L	97
55) Styrene	9.60	104	522550	11.388	ug/L	97
56) Isopropylbenzene	9.97	105	796784	10.743	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	136222	11.238	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	95452	10.914	ug/L	99
61) Bromoform	9.77	173	84815	10.937	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	407293	10.260	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	417275	10.398	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	410032	10.781	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	21830	10.310	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	351482	10.756	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	284270	11.442	ug/L	99
69) Naphthalene	13.55	128	443520	11.888	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	281824	11.740	ug/L	100

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

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VSTD01037

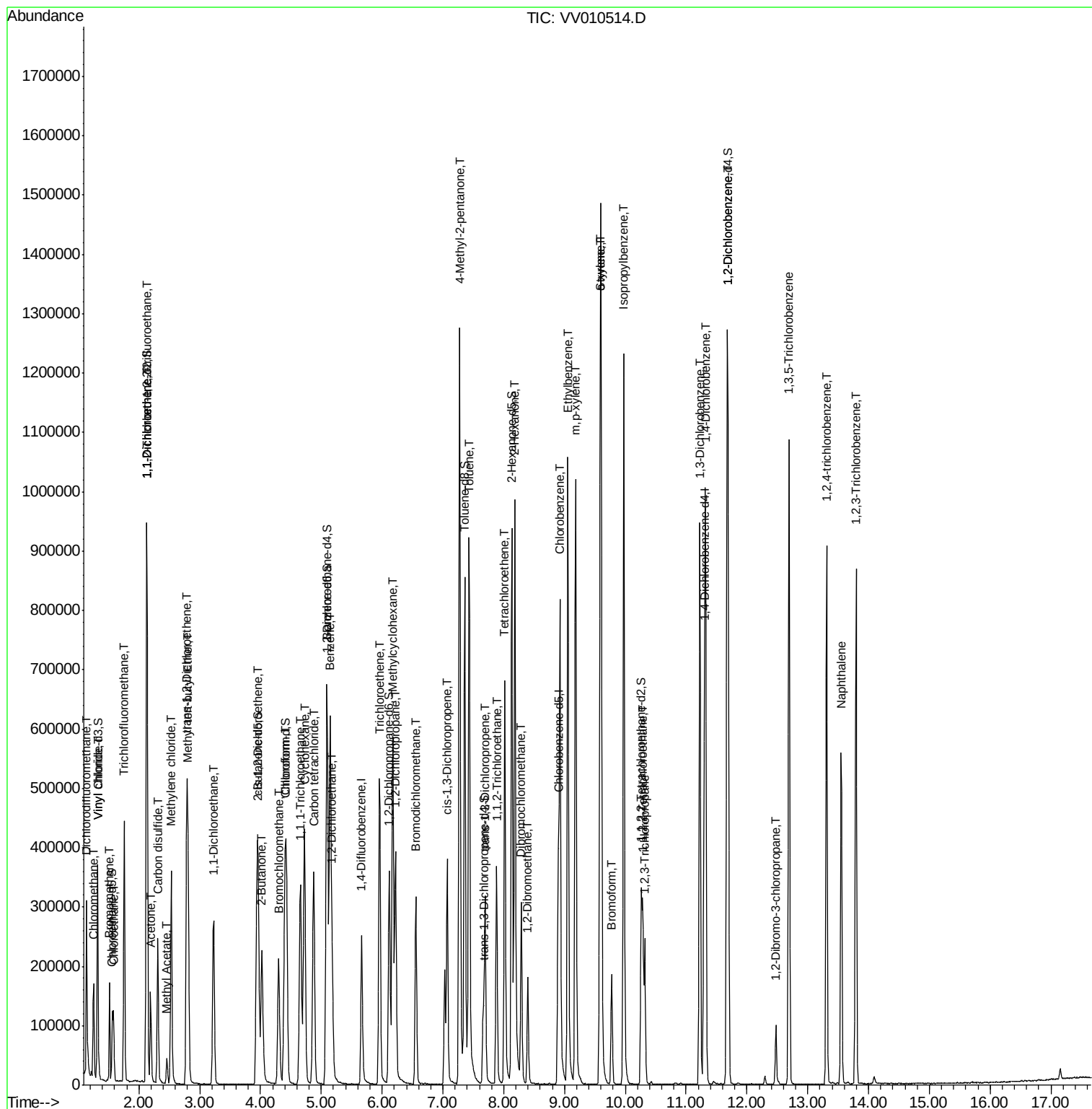
Quant Time: Apr 26 22:25:40 2019

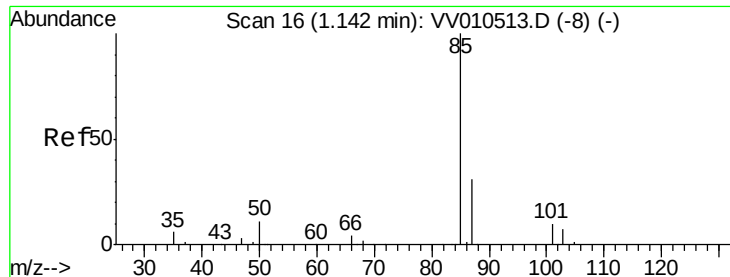
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR042719WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 10.356 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

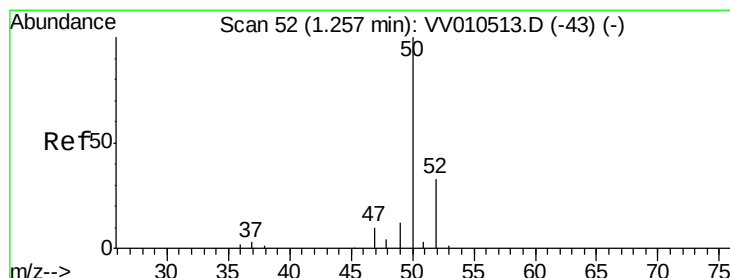
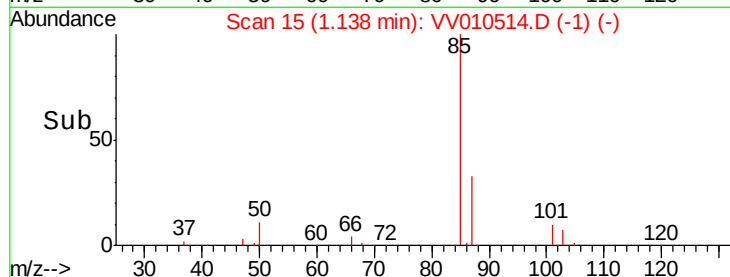
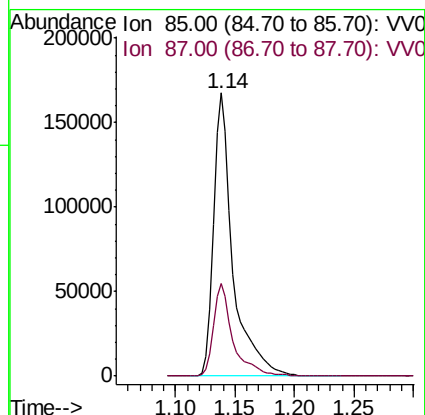
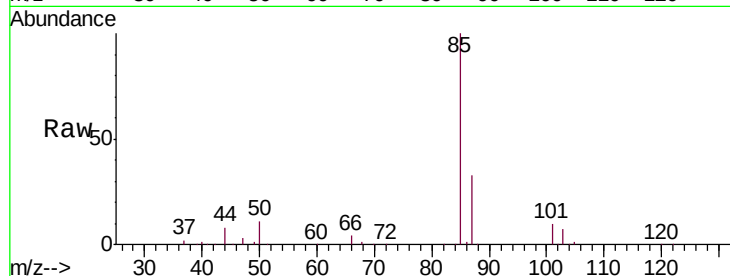
VSTD01037

Tgt Ion: 85 Resp: 187690

Ion Ratio Lower Upper

85 100

87 32.9 24.1 36.1



#3

Chloromethane

Concen: 8.663 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV010514.D

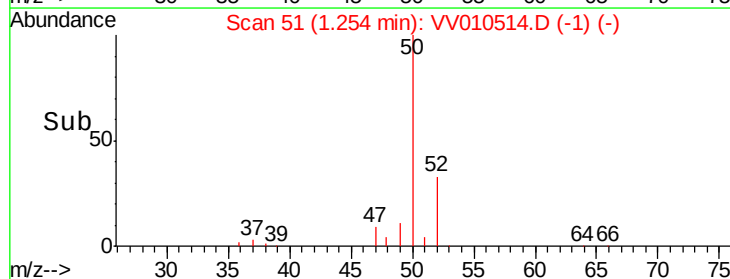
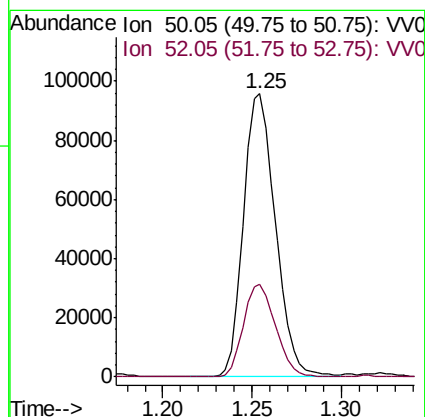
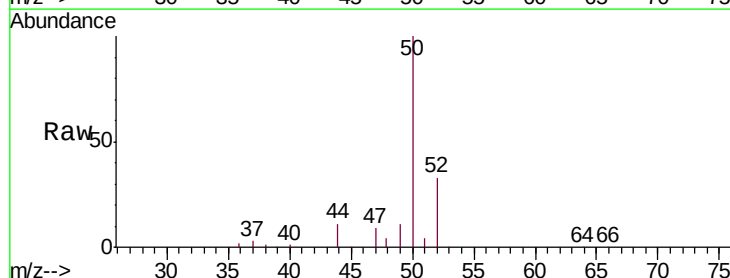
Acq: 26 Apr 2019 20:23

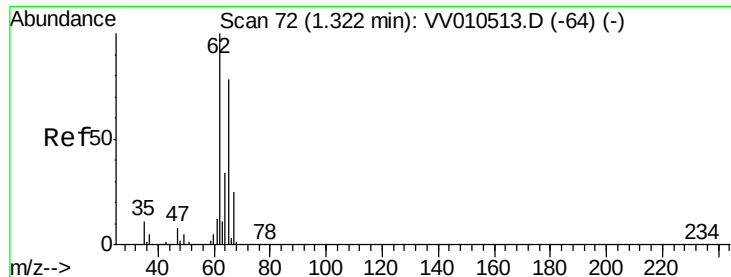
Tgt Ion: 50 Resp: 119761

Ion Ratio Lower Upper

50 100

52 32.5 23.3 43.3





#5

Vinyl chloride

Concen: 8.704 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

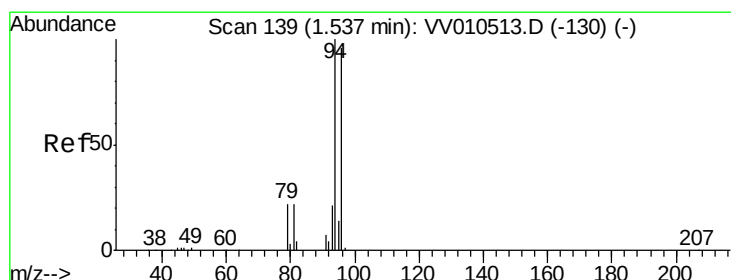
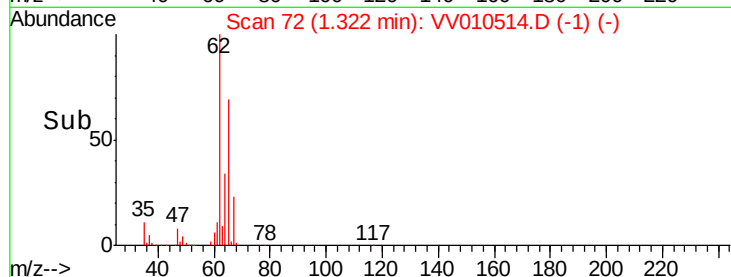
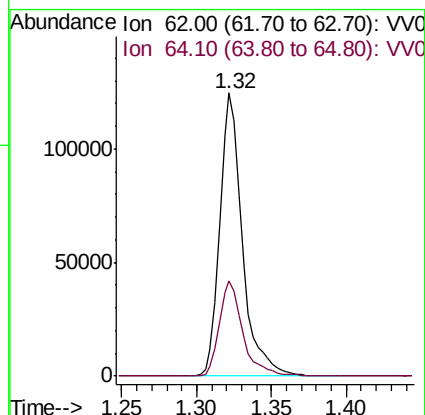
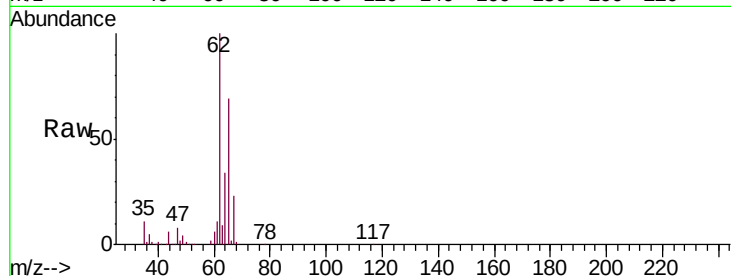
VSTD01037

Tgt Ion: 62 Resp: 130999

Ion Ratio Lower Upper

62 100

64 33.6 23.9 44.5



#6

Bromomethane

Concen: 5.467 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.02 min

Lab File: VV010514.D

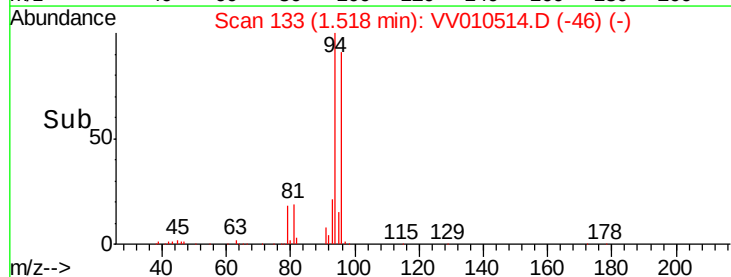
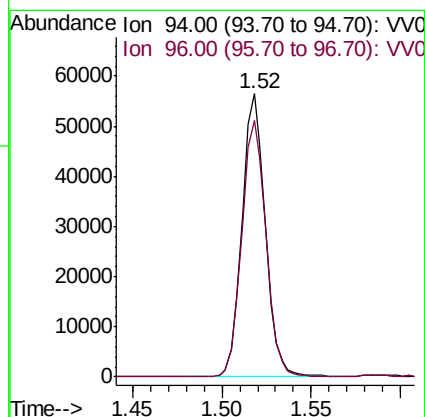
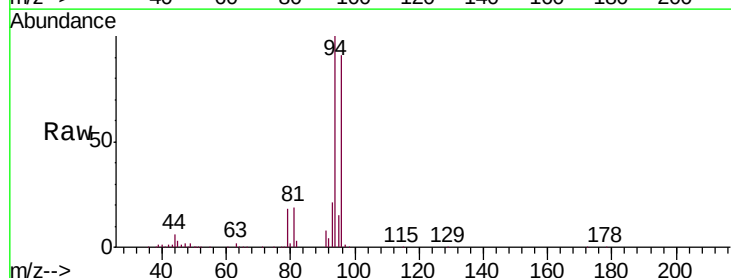
Acq: 26 Apr 2019 20:23

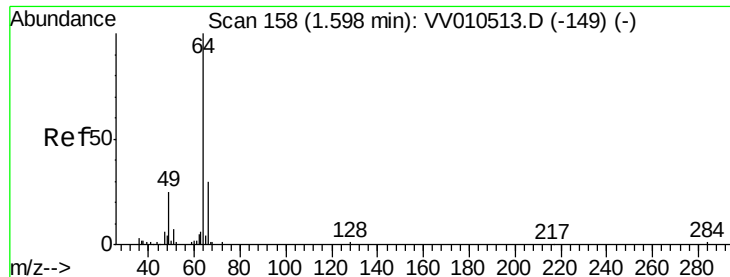
Tgt Ion: 94 Resp: 51461

Ion Ratio Lower Upper

94 100

96 90.8 66.9 124.3





#8

Chloroethane

Concen: 7.751 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.02 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

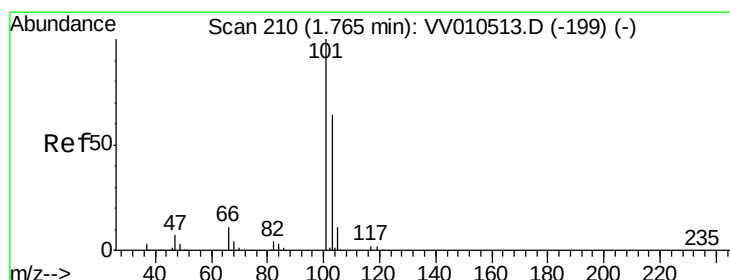
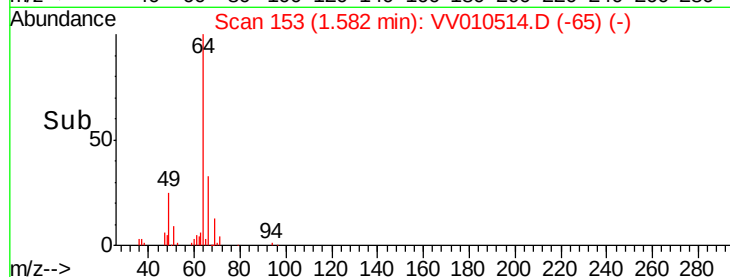
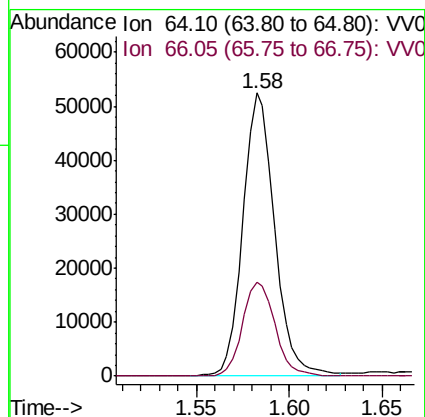
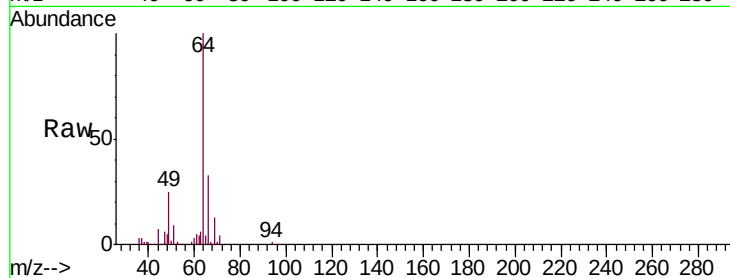
VSTD01037

Tgt Ion: 64 Resp: 61923

Ion Ratio Lower Upper

64 100

66 33.3 20.7 38.5



#9

Trichlorofluoromethane

Concen: 9.085 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV010514.D

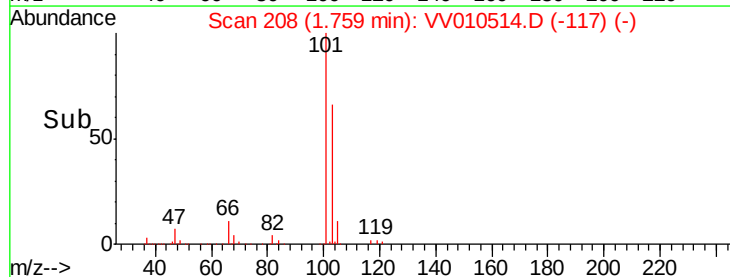
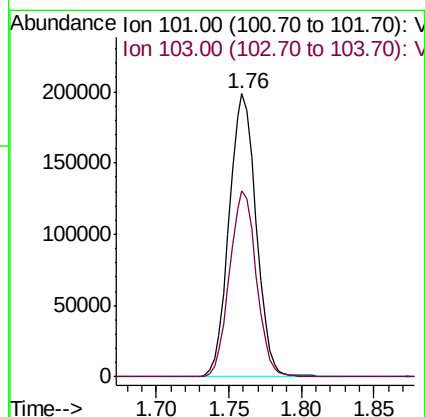
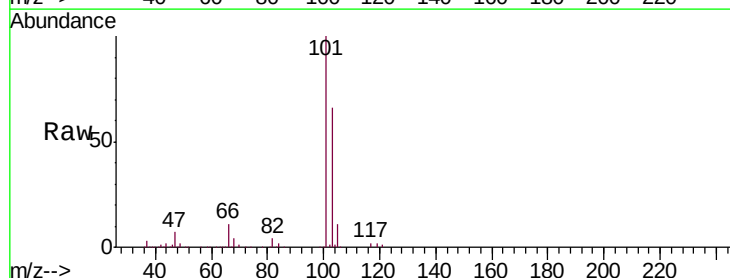
Acq: 26 Apr 2019 20:23

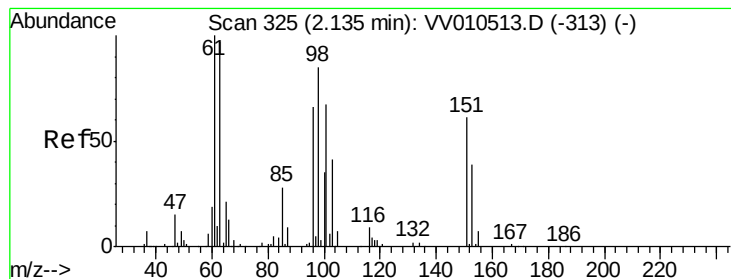
Tgt Ion: 101 Resp: 257017

Ion Ratio Lower Upper

101 100

103 65.1 50.5 75.7





#10

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

Concen: 8.626 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD01037

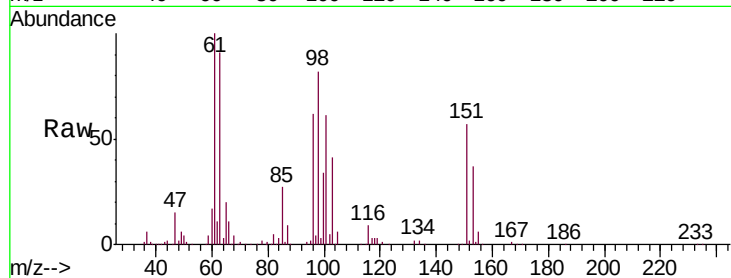
Tgt Ion: 101 Resp: 126313

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

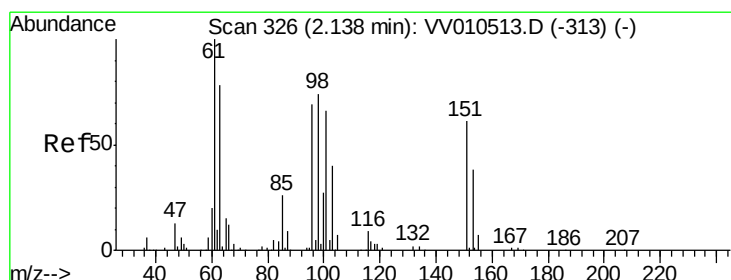
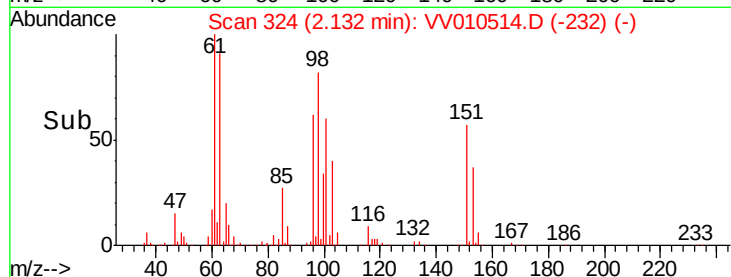
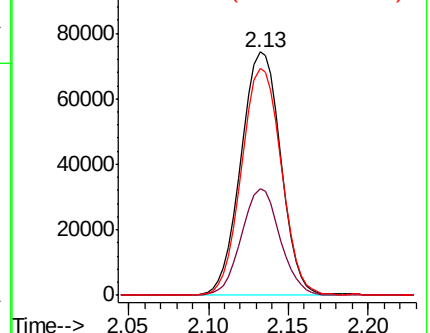
151 93.1 75.2 112.8



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: 8.348 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

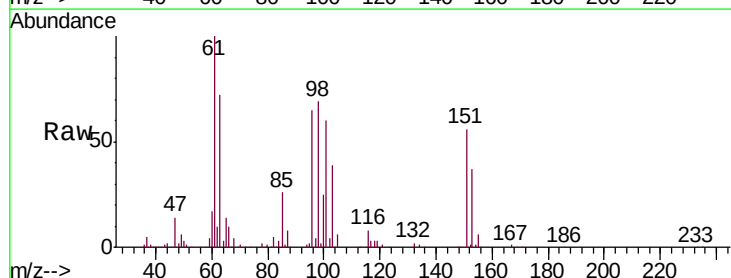
Tgt Ion: 96 Resp: 111112

Ion Ratio Lower Upper

96 100

61 153.0 101.2 188.0

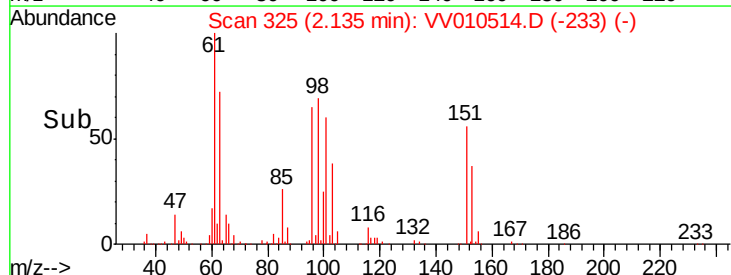
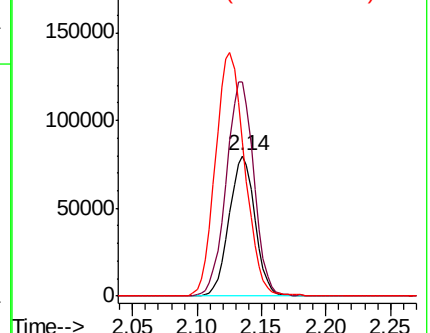
63 110.1 79.2 147.0

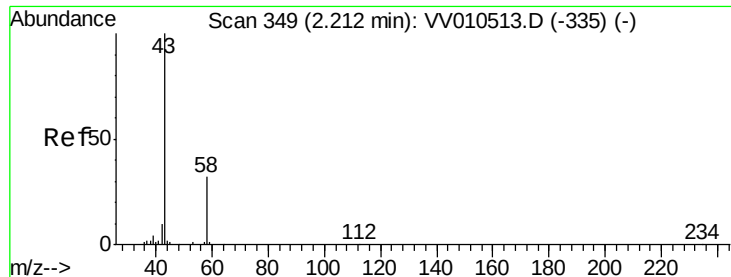


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 85.826 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

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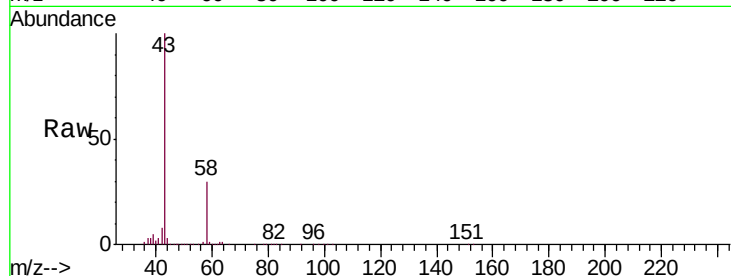
VSTD01037

Tgt Ion: 43 Resp: 143310

Ion Ratio Lower Upper

43 100

58 30.5 0.0 57.4



Abundance Ion 43.05 (42.75 to 43.75): VV010513.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV010514.D (-256) (-)

2.19

100000

80000

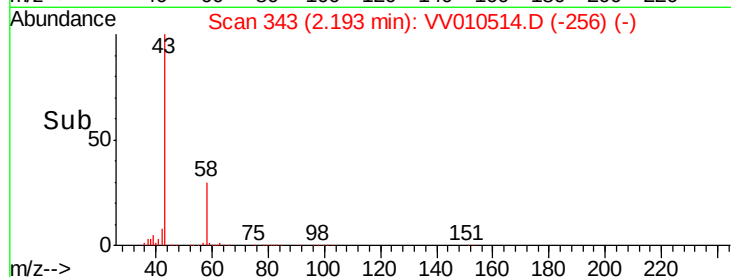
60000

40000

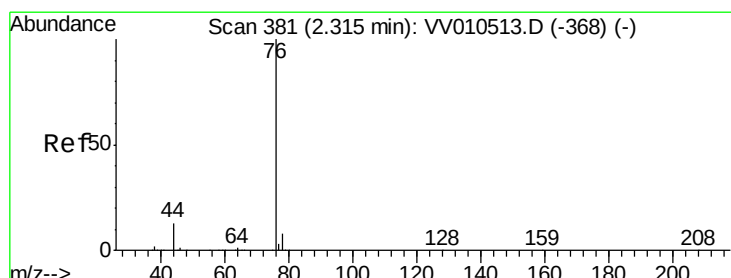
20000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 7.942 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010514.D

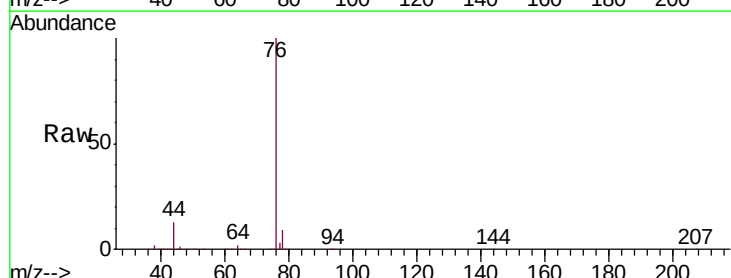
Acq: 26 Apr 2019 20:23

Tgt Ion: 76 Resp: 282924

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VV010513.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010514.D (-288) (-)

2.31

200000

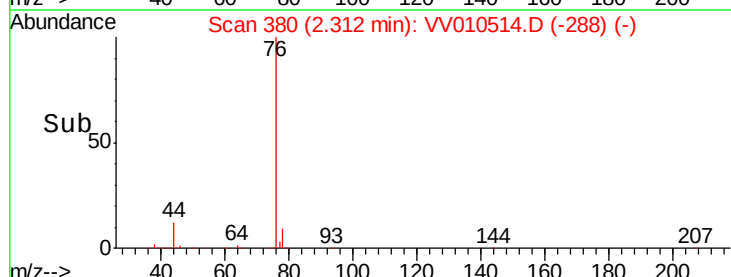
150000

100000

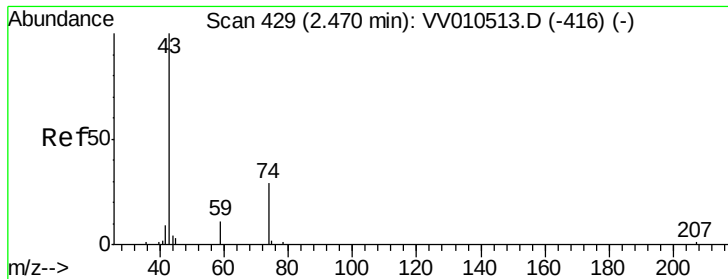
50000

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Time-->



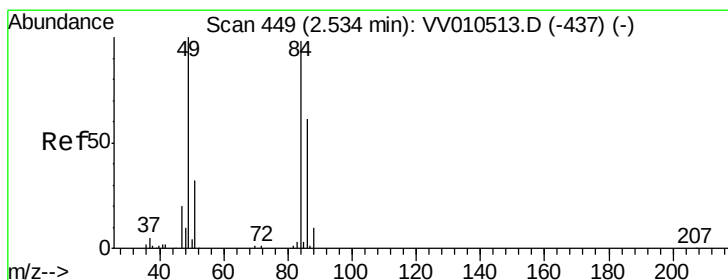
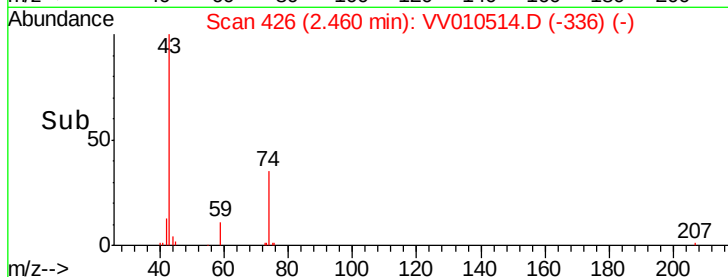
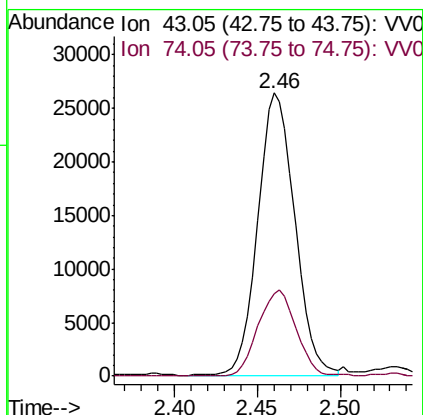
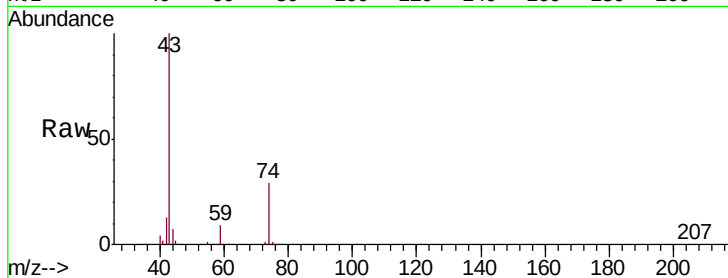
Time-->



#15
Methyl Acetate
Concen: 9.155 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

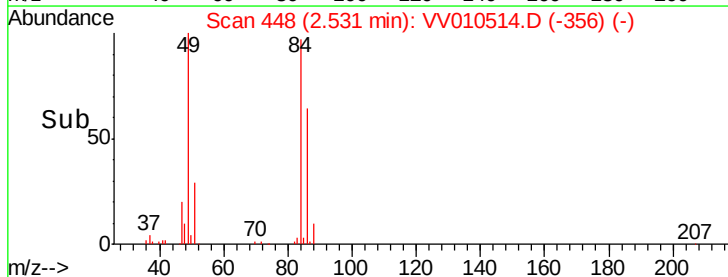
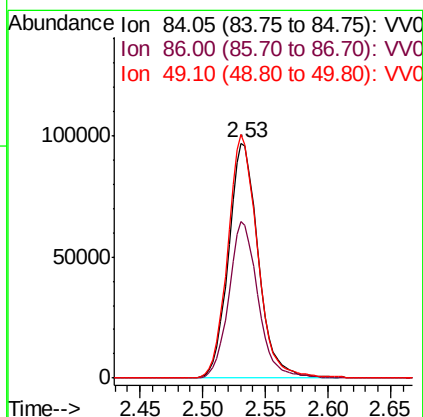
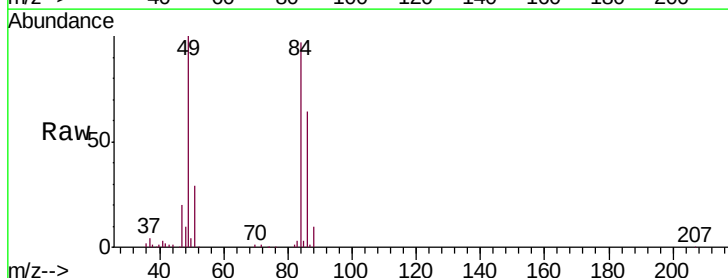
Instrument :
MSVOA_V
ClientSampled :
VSTD01037

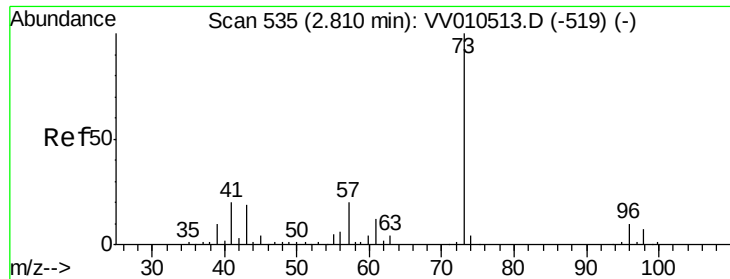
Tgt Ion: 43 Resp: 41334
Ion Ratio Lower Upper
43 100
74 30.9 24.2 36.2



#16
Methylene chloride
Concen: 10.196 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

Tgt Ion: 84 Resp: 159998
Ion Ratio Lower Upper
84 100
86 66.6 43.7 81.1
49 103.6 71.4 132.6

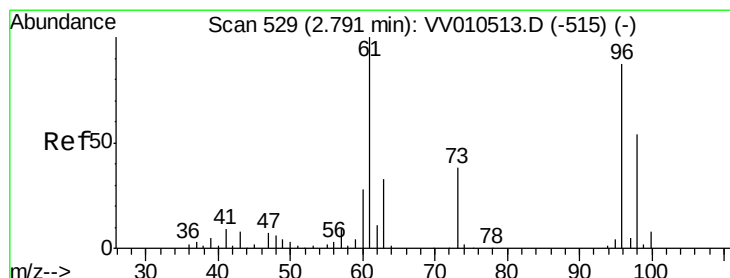
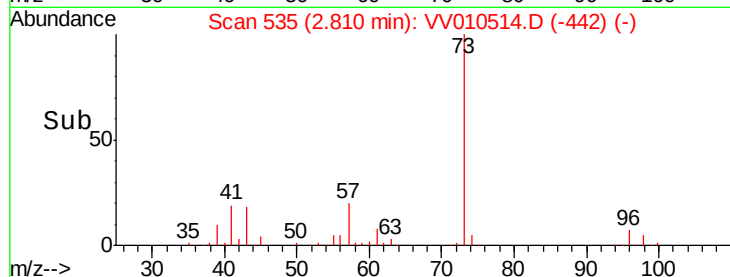
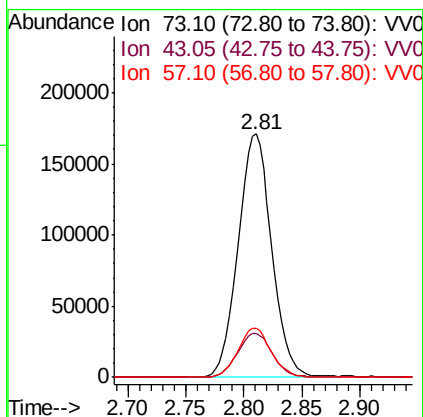
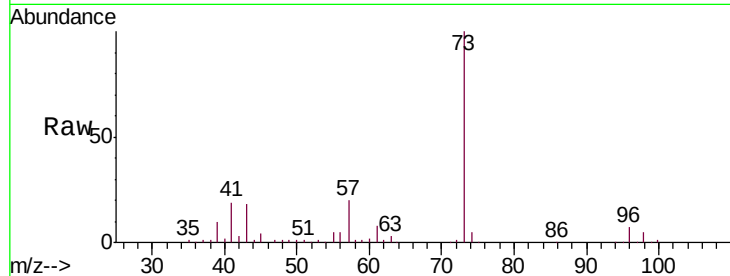




#17
Methyl tert-butyl Ether
Concen: 10.532 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

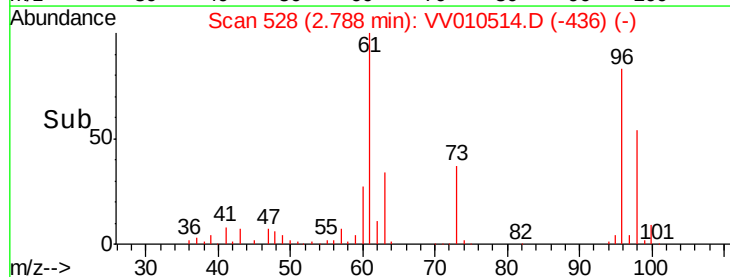
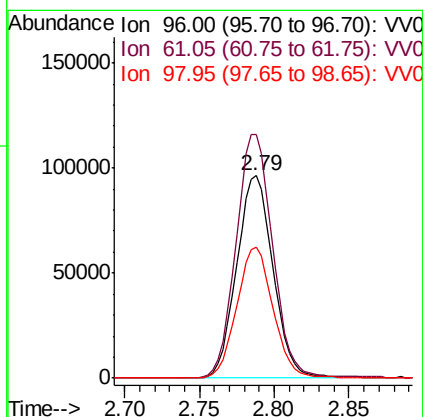
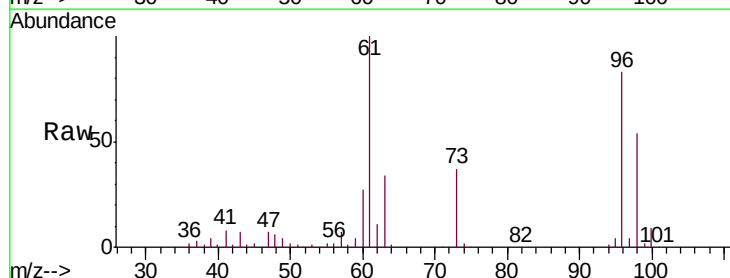
Instrument :
MSVOA_V
ClientSampleId :
VSTD01037

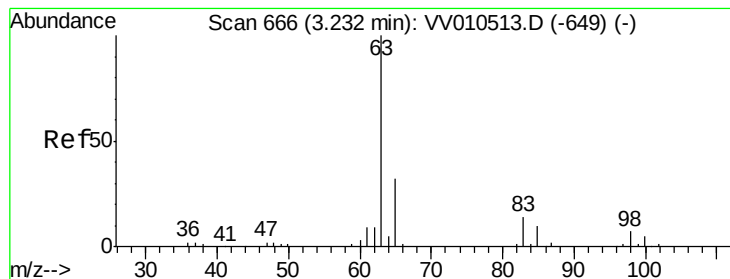
Tgt Ion: 73 Resp: 343708
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.0
57 20.1 16.0 24.0



#18
trans-1,2-Dichloroethene
Concen: 10.625 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

Tgt Ion: 96 Resp: 163372
Ion Ratio Lower Upper
96 100
61 120.2 80.2 148.9
98 64.7 43.3 80.3





#19

1,1-Dichloroethane

Concen: 10.860 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD01037

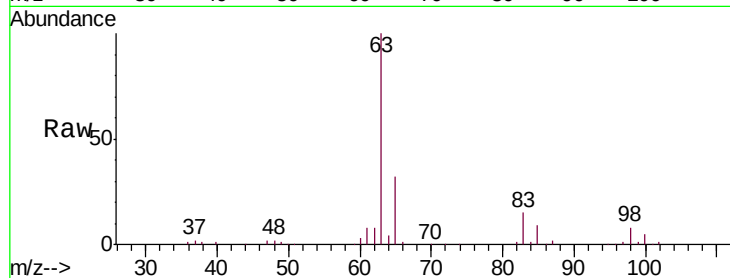
Tgt Ion: 63 Resp: 268668

Ion Ratio Lower Upper

63 100

65 31.7 22.6 42.0

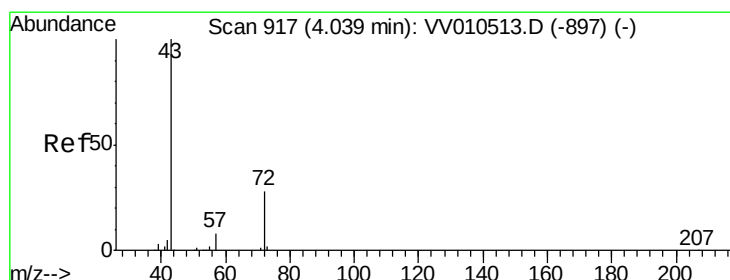
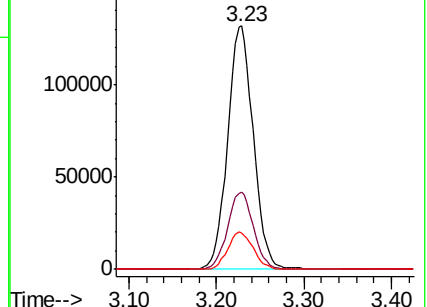
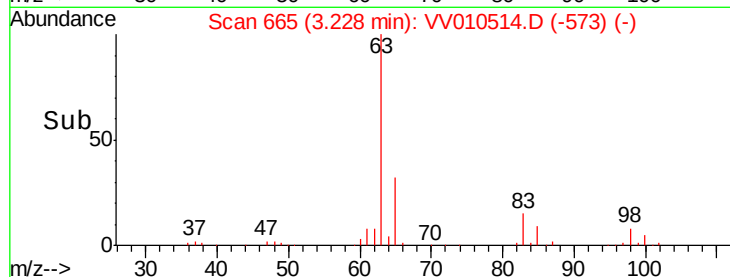
83 14.9 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV010514.D (-573) (-)

Ion 65.10 (64.80 to 65.80): VV010514.D (-573) (-)

Ion 83.05 (82.75 to 83.75): VV010514.D (-573) (-)



#21

2-Butanone

Concen: 110.275 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.02 min

Lab File: VV010514.D

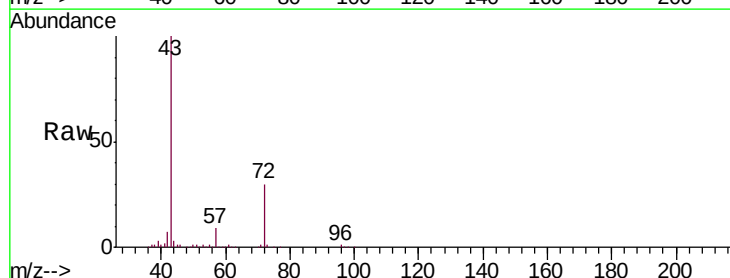
Acq: 26 Apr 2019 20:23

Tgt Ion: 43 Resp: 331098

Ion Ratio Lower Upper

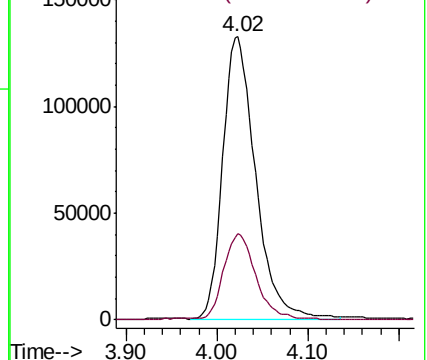
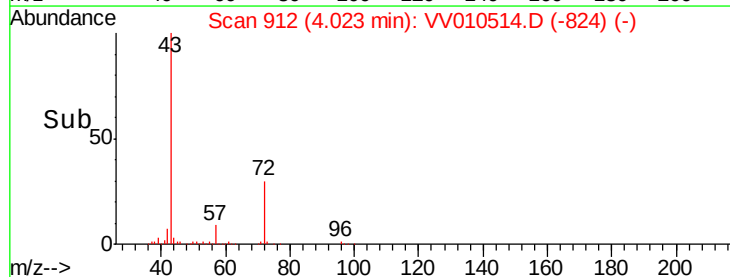
43 100

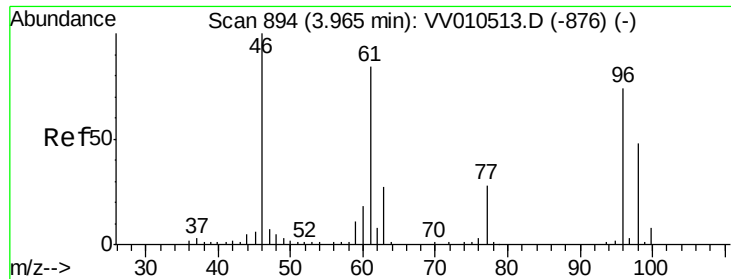
72 29.7 14.6 43.8



Abundance Ion 43.05 (42.75 to 43.75): VV010514.D (-824) (-)

Ion 72.10 (71.80 to 72.80): VV010514.D (-824) (-)



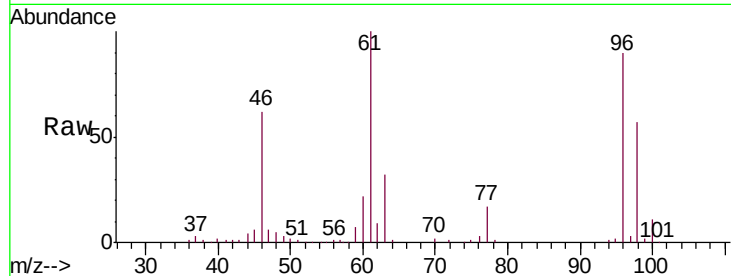


#22

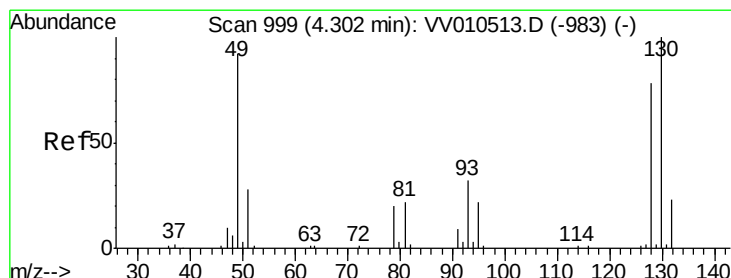
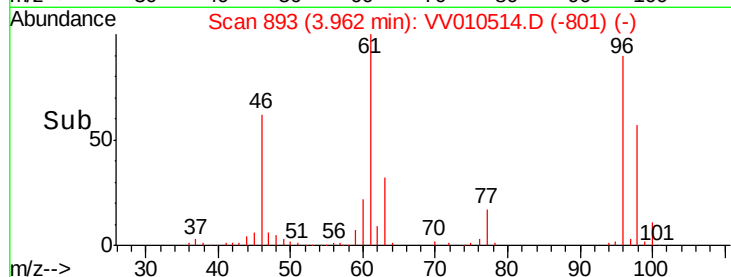
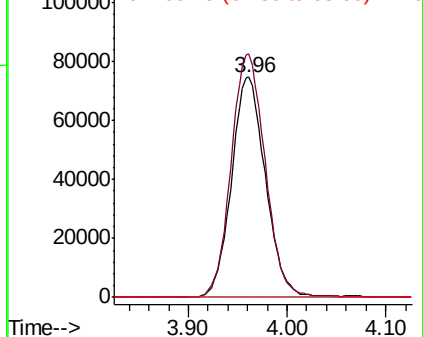
cis-1,2-Dichloroethene
 Concen: 11.175 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01037

Tgt Ion: 96 Resp: 179161
 Ion Ratio Lower Upper
 96 100
 61 110.7 79.9 148.3
 68 0.0 0.0 0.0



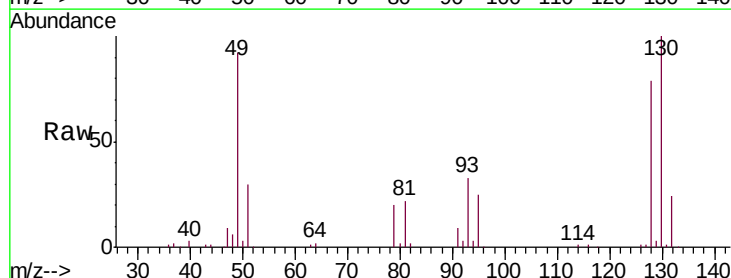
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



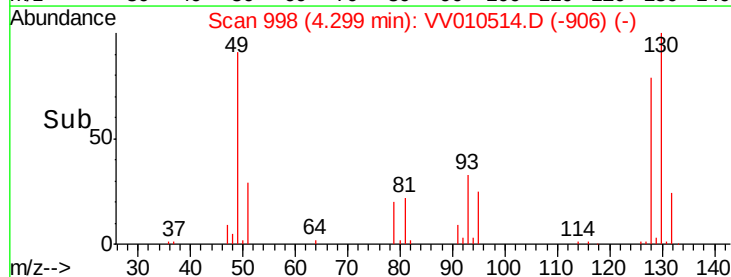
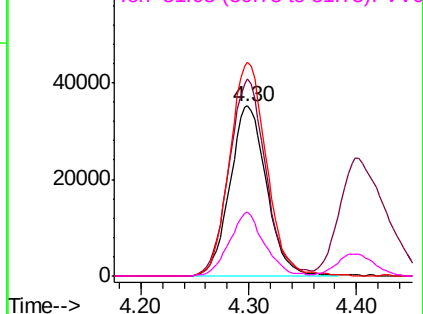
#23

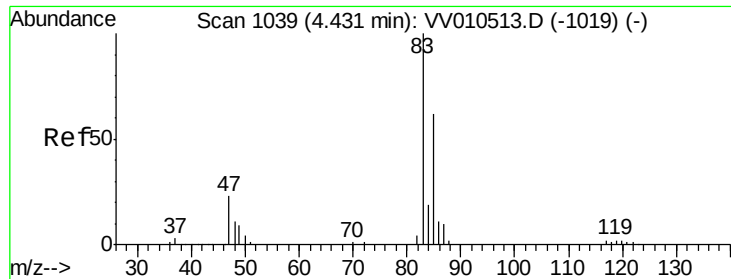
Bromochloromethane
 Concen: 11.567 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Tgt Ion: 128 Resp: 82930
 Ion Ratio Lower Upper
 128 100
 49 116.1 82.3 152.9
 130 125.9 89.8 166.8
 51 37.4 29.0 43.6



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

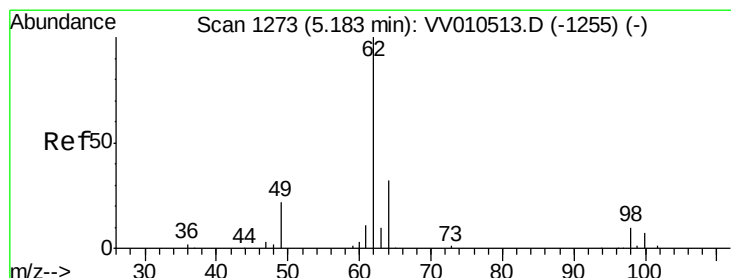
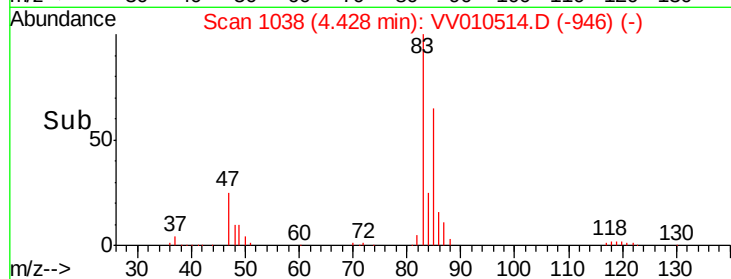
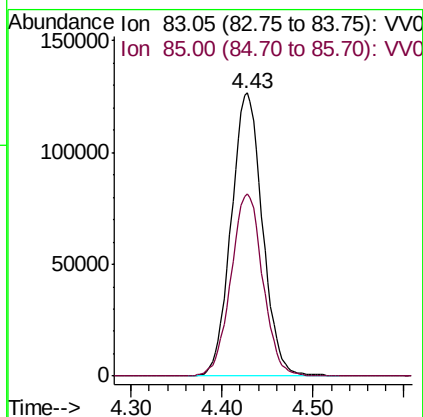
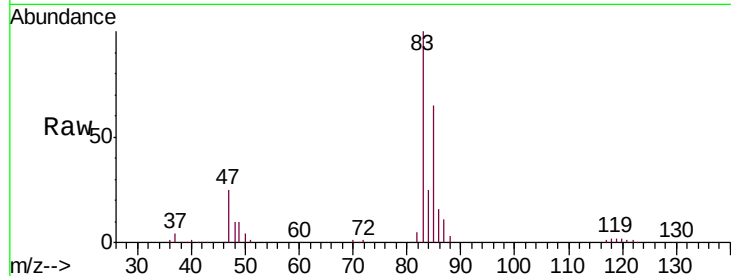




#25
Chloroform
Concen: 10.515 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

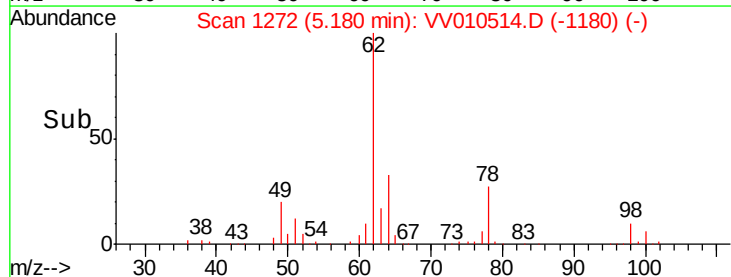
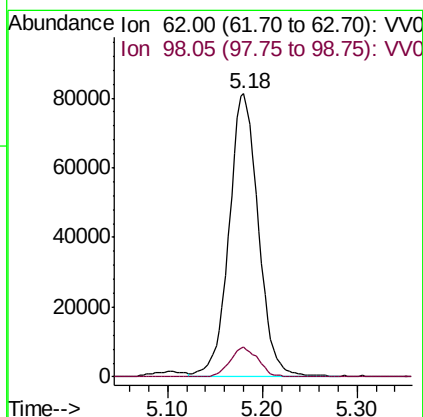
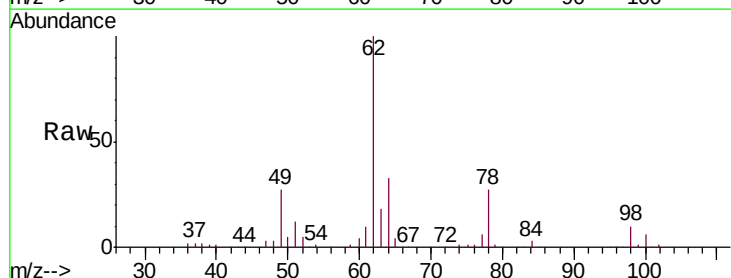
Instrument :
MSVOA_V
ClientSampleId :
VSTD01037

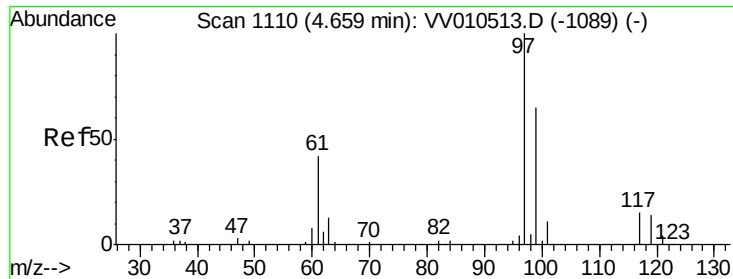
Tgt Ion: 83 Resp: 302133
Ion Ratio Lower Upper
83 100
85 64.5 43.6 81.0



#27
1,2-Dichloroethane
Concen: 10.299 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

Tgt Ion: 62 Resp: 174153
Ion Ratio Lower Upper
62 100
98 10.4 7.6 11.4

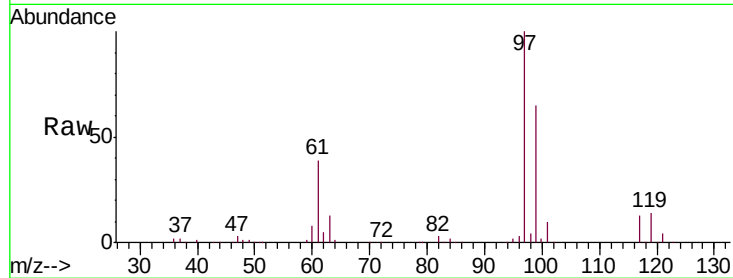




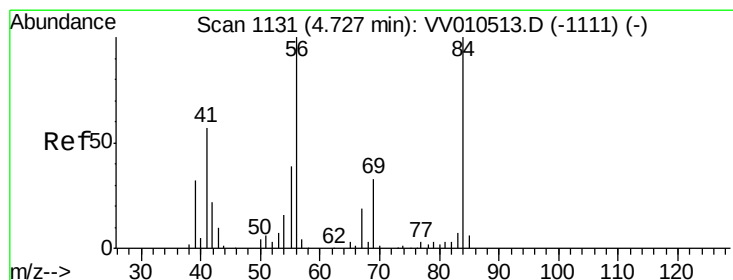
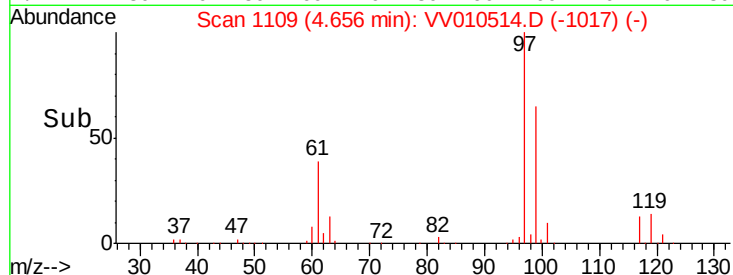
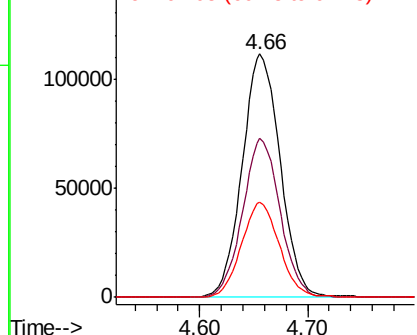
#29
 1,1,1-Trichloroethane
 Concen: 10.352 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01037

Tgt Ion: 97 Resp: 272821
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.8 77.6
 61 39.1 31.6 47.4

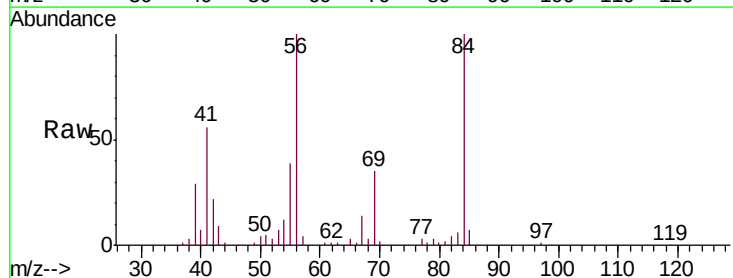


Abundance Ion 96.95 (96.65 to 97.65): VV0
 150000 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

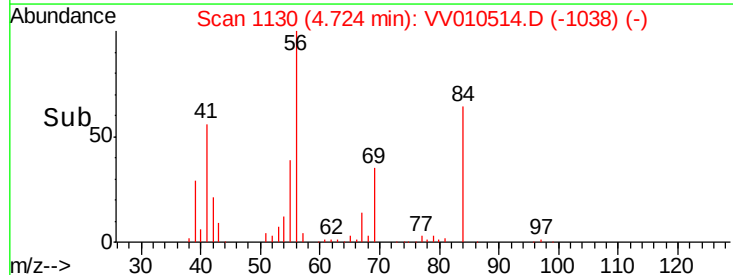
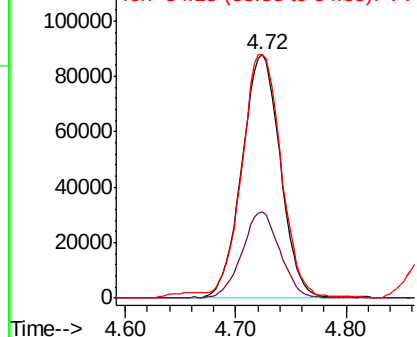


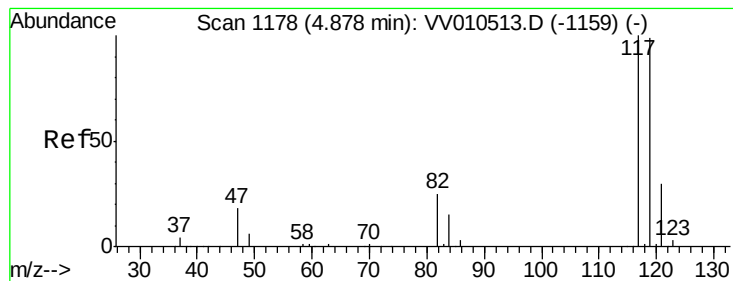
#30
 Cyclohexane
 Concen: 9.780 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Tgt Ion: 56 Resp: 212715
 Ion Ratio Lower Upper
 56 100
 69 34.7 27.1 40.7
 84 101.6 80.4 120.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 120000 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 11.121 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

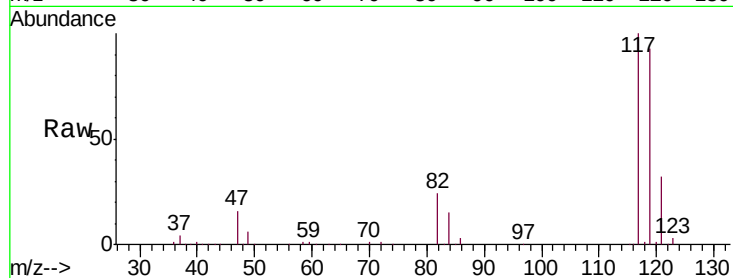
VSTD01037

Tgt Ion:117 Resp: 267750

Ion Ratio Lower Upper

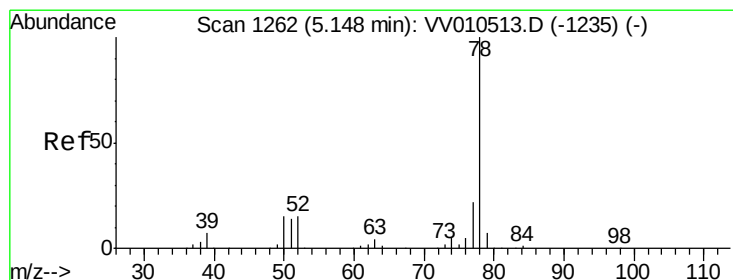
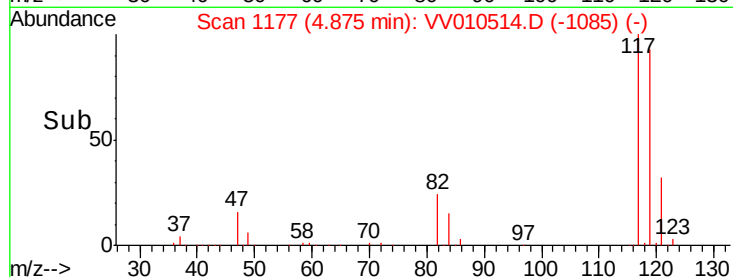
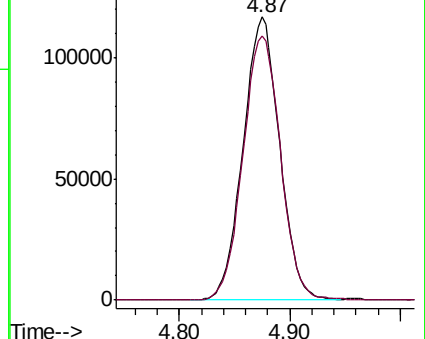
117 100

119 96.4 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.851 ug/L

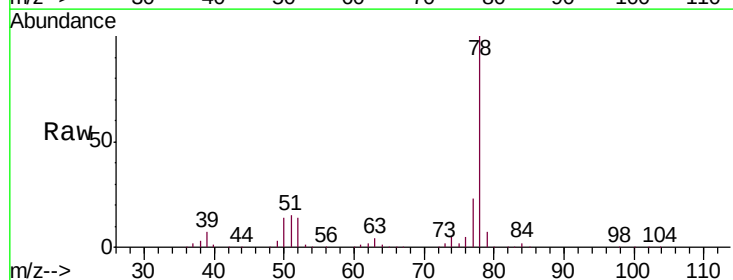
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

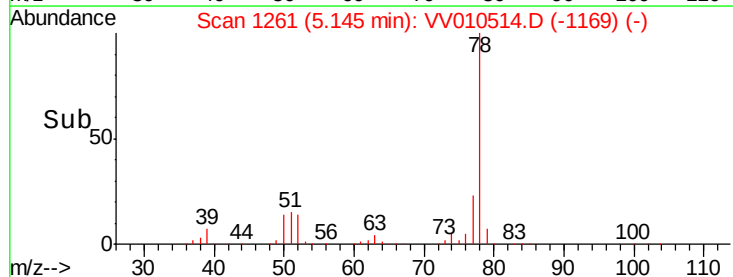
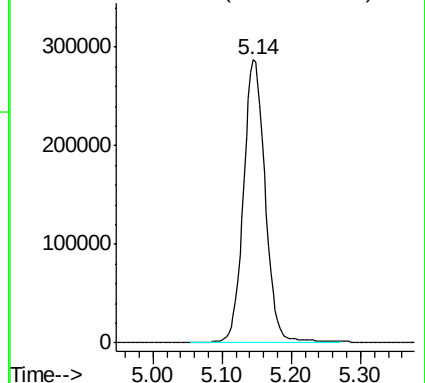
Lab File: VV010514.D

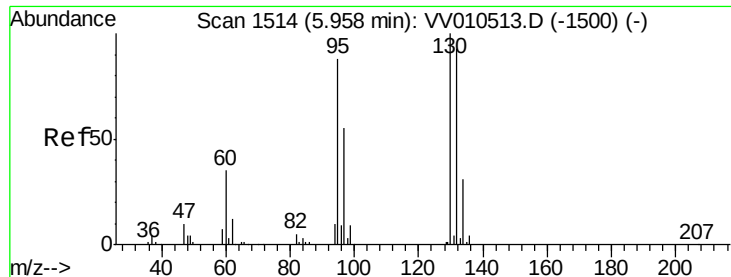
Acq: 26 Apr 2019 20:23

Tgt Ion: 78 Resp: 630856



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.752 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD01037

Tgt Ion: 95 Resp: 179912

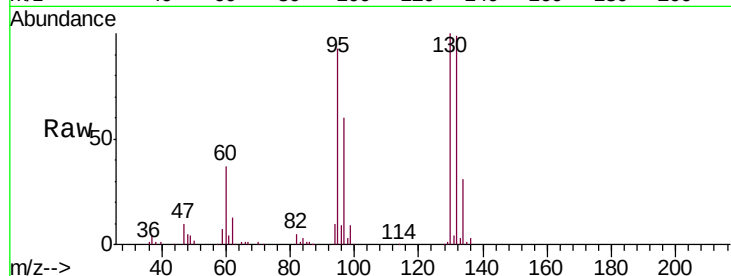
Ion Ratio Lower Upper

95 100

97 64.0 43.3 80.5

132 106.7 74.1 137.5

130 107.4 79.5 147.6

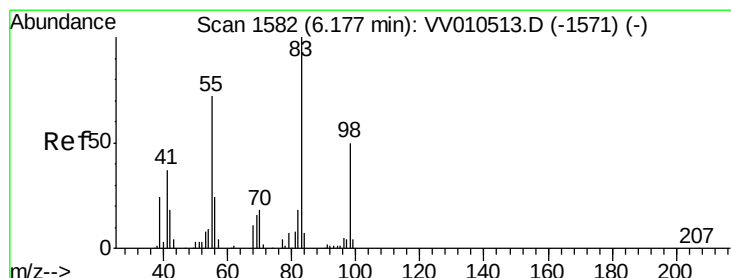
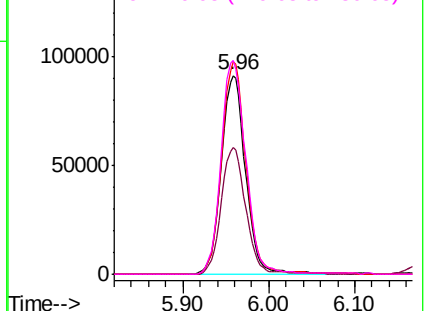
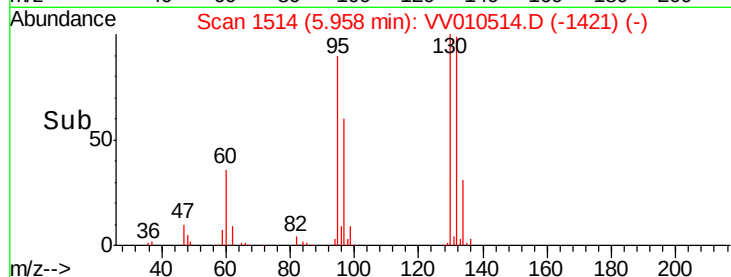


Abundance Ion 95.00 (94.70 to 95.70): VV010514.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV010514.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV010514.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV010514.D (-1421) (-)



#35

Methylcyclohexane

Concen: 10.190 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

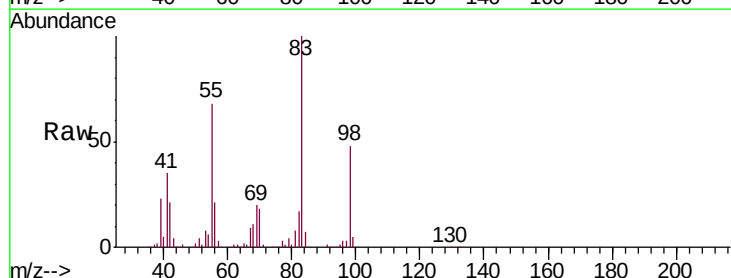
Tgt Ion: 83 Resp: 246229

Ion Ratio Lower Upper

83 100

55 69.7 58.0 87.0

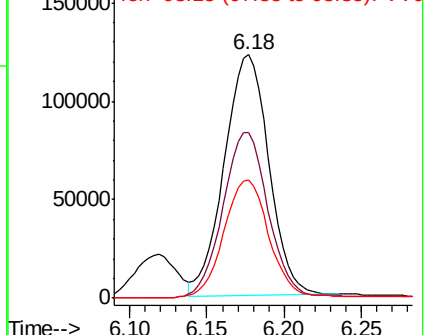
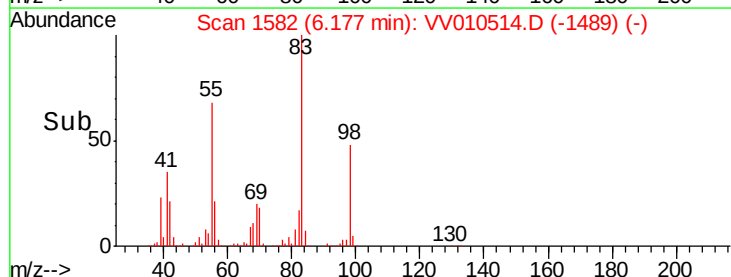
98 50.4 40.4 60.6

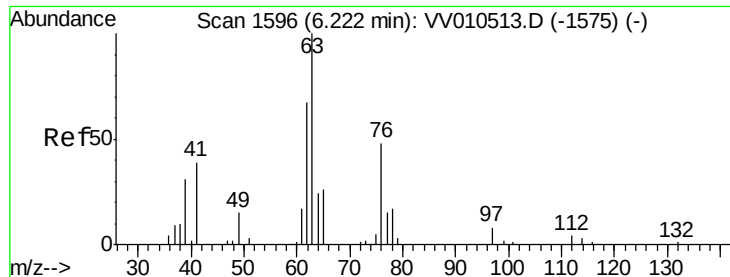


Abundance Ion 83.15 (82.85 to 83.85): VV010514.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV010514.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV010514.D (-1489) (-)

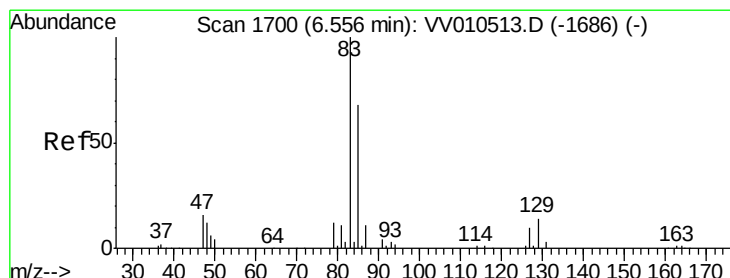
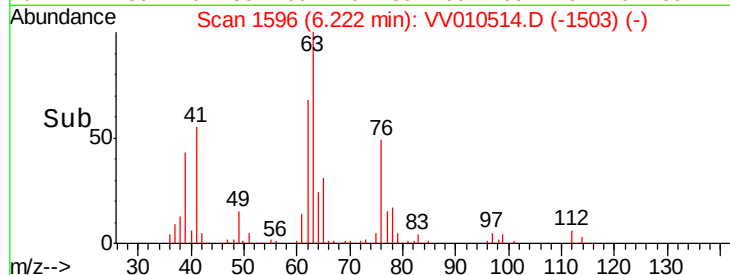
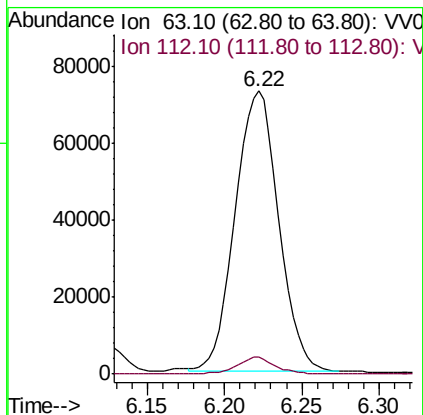
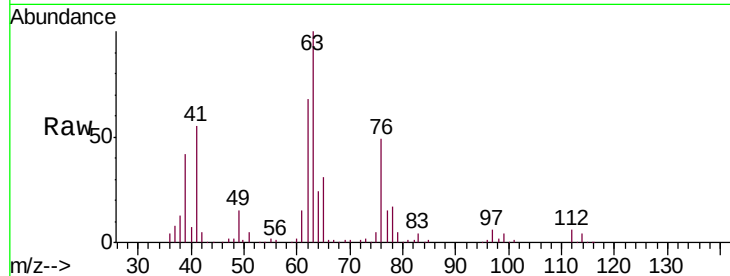




#37
 1,2-Dichloropropane
 Concen: 10.042 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

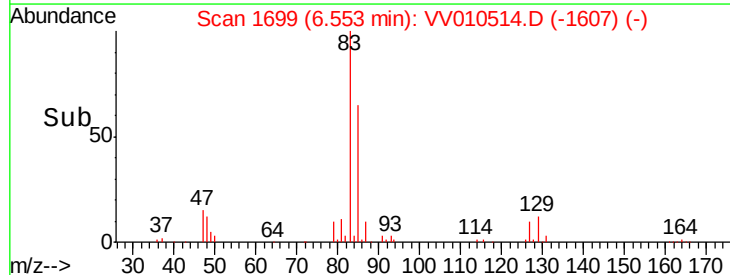
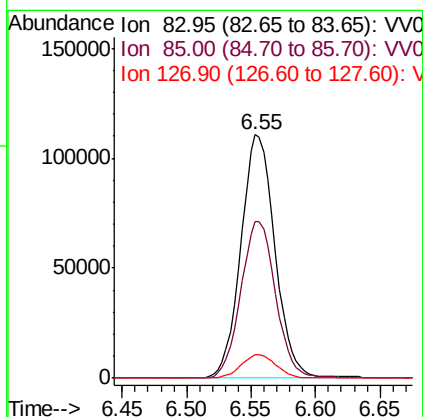
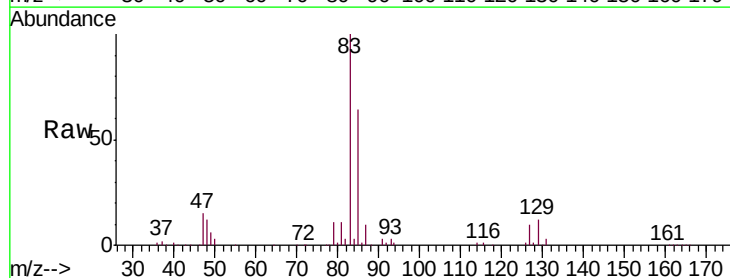
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01037

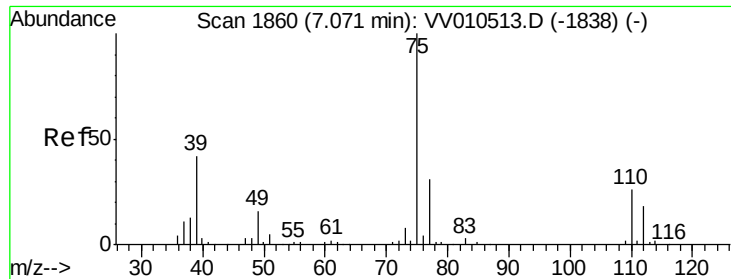
Tgt Ion: 63 Resp: 142110
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.7 5.5



#38
 Bromodichloromethane
 Concen: 10.667 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Tgt Ion: 83 Resp: 202220
 Ion Ratio Lower Upper
 83 100
 85 64.1 47.5 88.1
 127 9.7 8.2 12.4

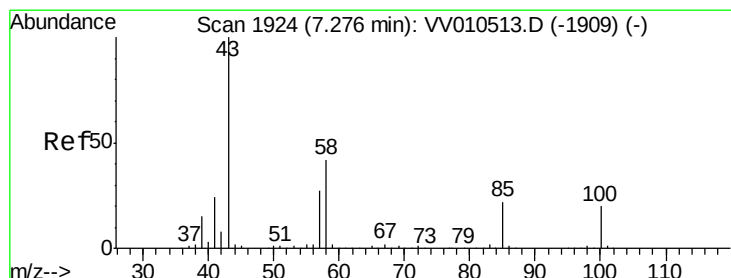
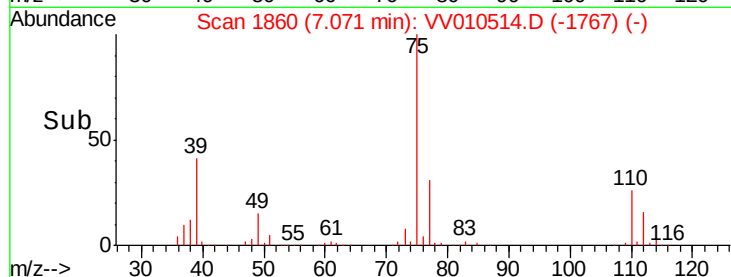
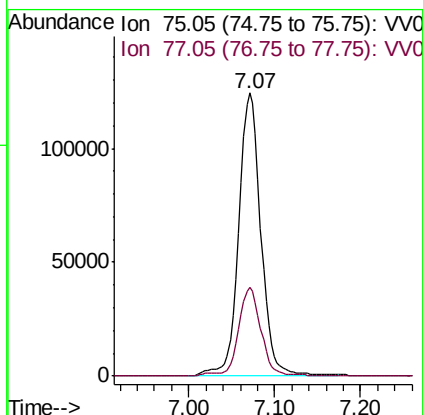
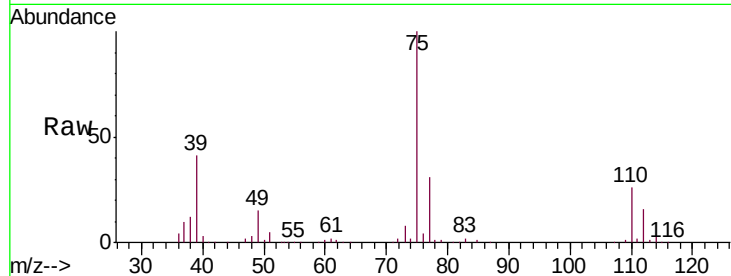




#39
 cis-1,3-Dichloropropene
 Concen: 10.856 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

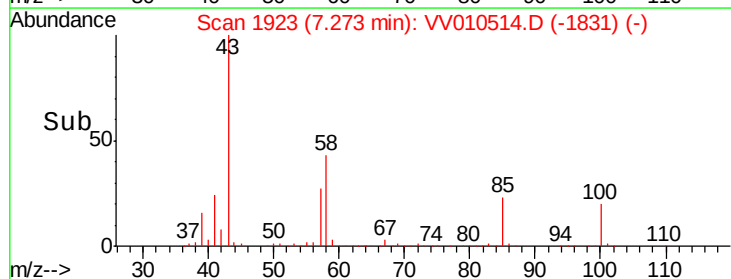
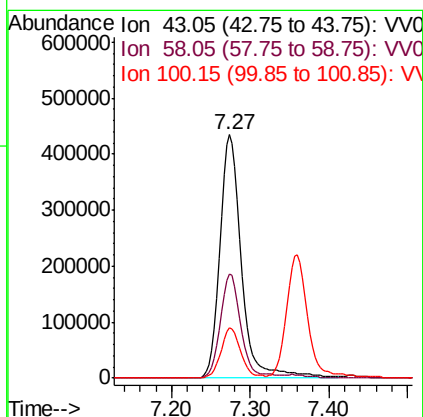
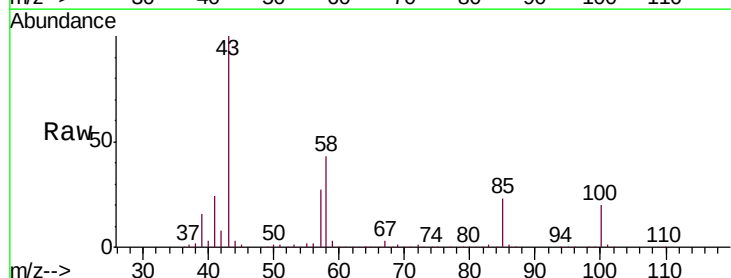
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01037

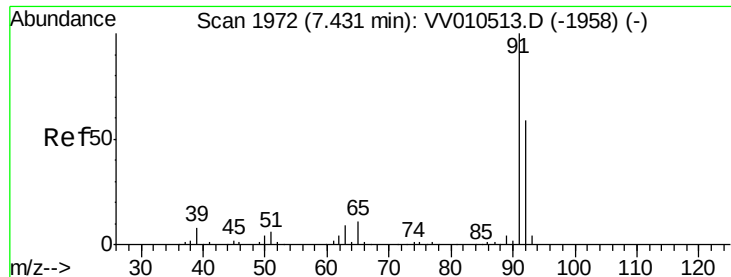
Tgt Ion: 75 Resp: 224041
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 103.714 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Tgt Ion: 43 Resp: 822106
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.9 47.9
 100 19.0 15.0 22.4





#42

Toluene

Concen: 10.724 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

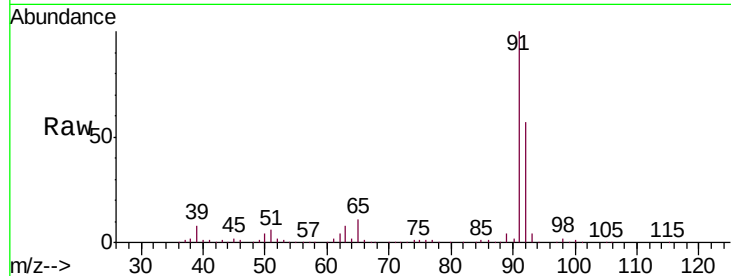
VSTD01037

Tgt Ion: 91 Resp: 711304

Ion Ratio Lower Upper

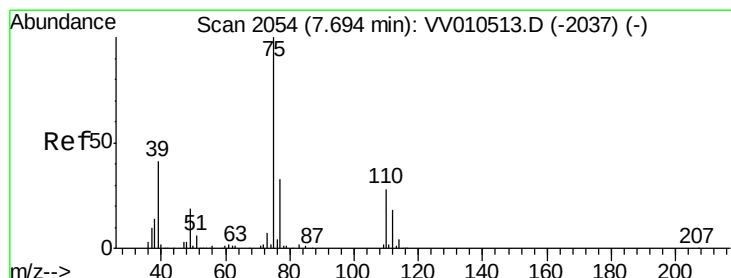
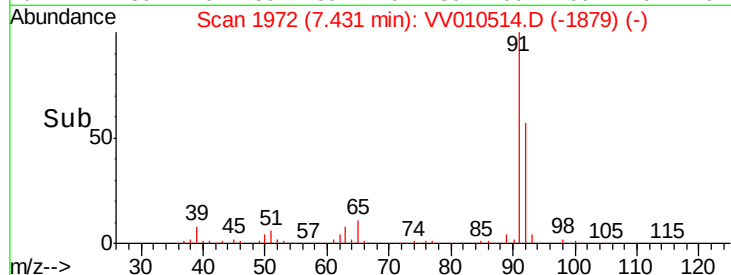
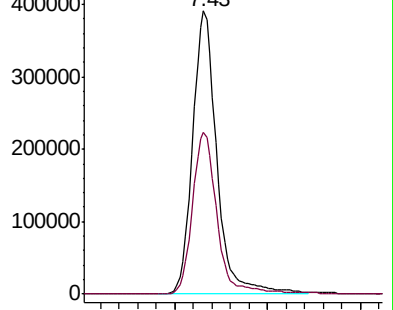
91 100

92 57.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV010514.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV010514.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.907 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010514.D

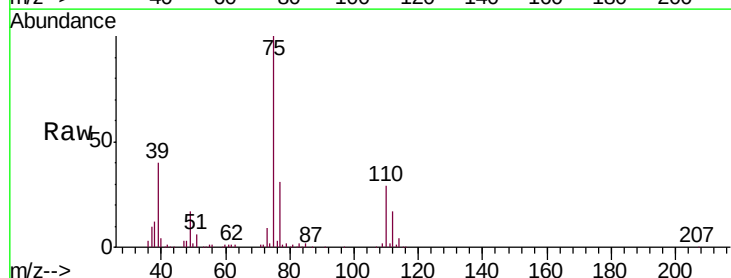
Acq: 26 Apr 2019 20:23

Tgt Ion: 75 Resp: 174722

Ion Ratio Lower Upper

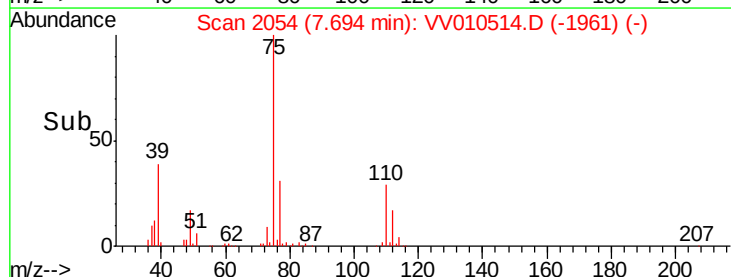
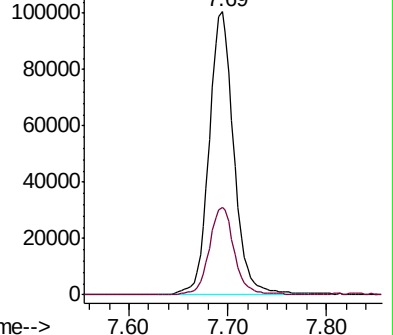
75 100

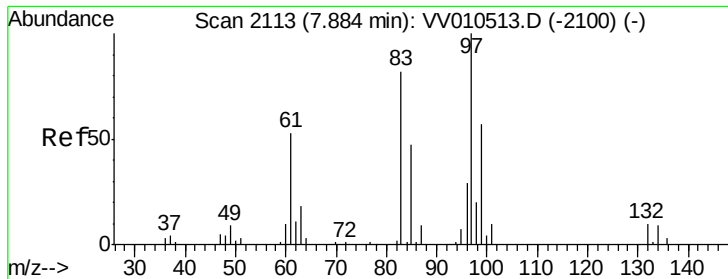
77 30.9 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV010514.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV010514.D (-1961) (-)





#45

1,1,2-Trichloroethane

Concen: 11.160 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampled :

VSTD01037

Tgt Ion: 97 Resp: 117985

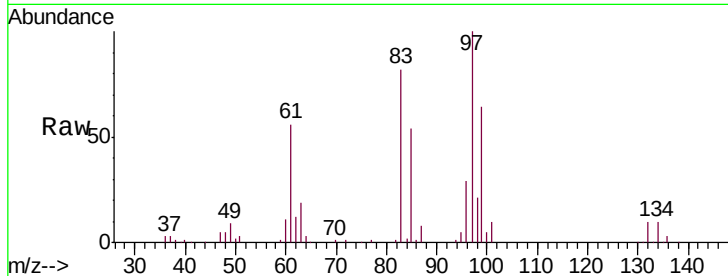
Ion Ratio Lower Upper

97 100

99 63.9 39.5 73.4

83 82.1 57.7 107.3

85 54.3 32.8 61.0

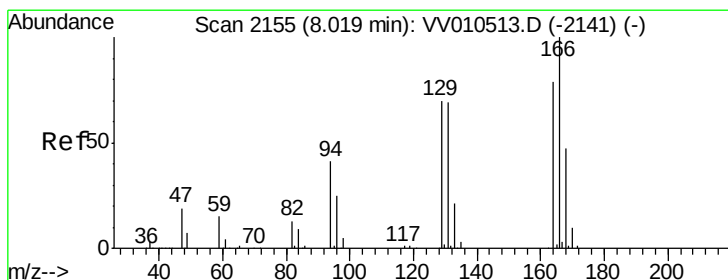
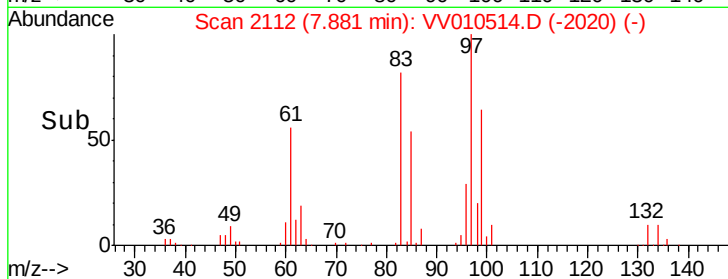
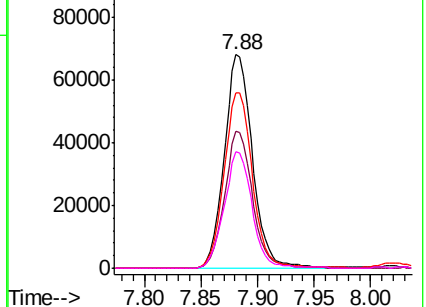


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 11.298 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Tgt Ion: 164 Resp: 171625

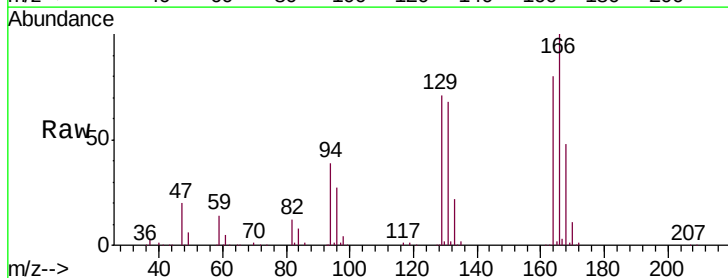
Ion Ratio Lower Upper

164 100

129 89.3 62.2 115.4

131 84.9 61.5 114.1

166 125.0 89.1 165.5

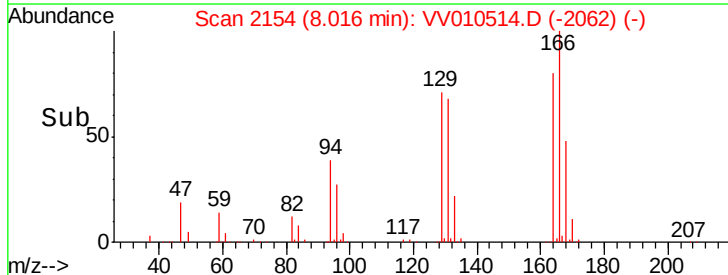
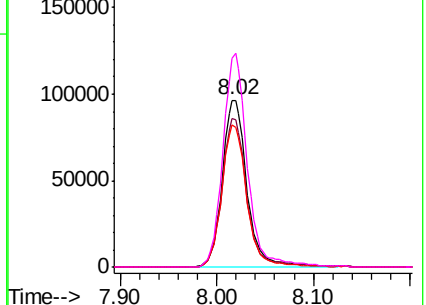


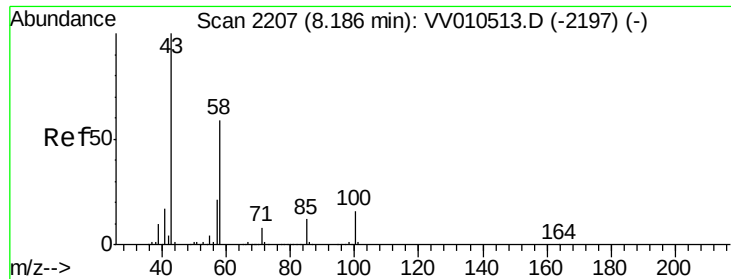
Abundance Ion 163.90 (163.60 to 164.60): V

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

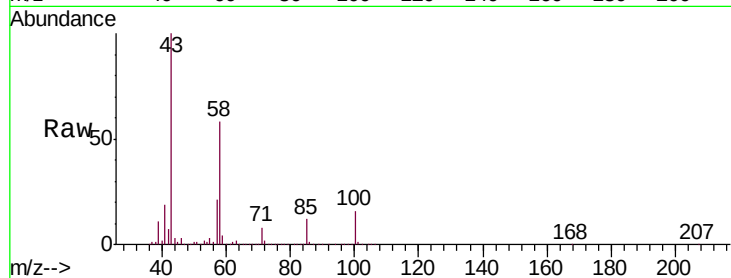




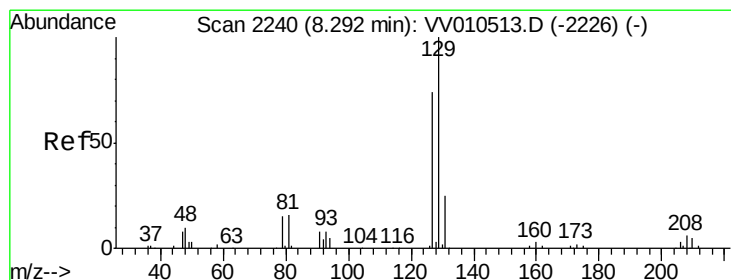
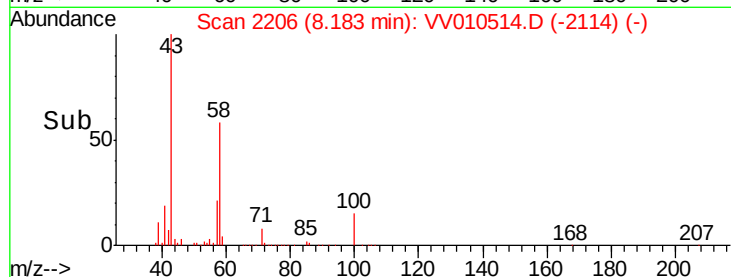
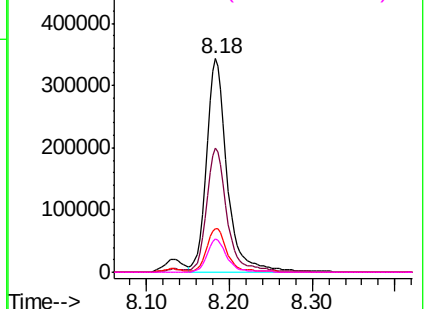
#48
2-Hexanone
Concen: 108.926 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD01037

Tgt Ion:	43	Resp:	600732
Ion	Ratio	Lower	Upper
43	100		
58	58.1	43.1	64.7
57	20.1	16.3	24.5
100	15.2	11.8	17.8

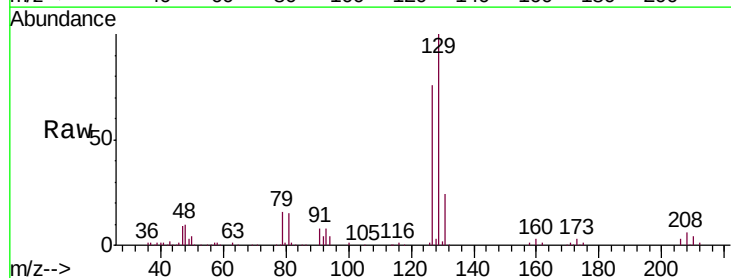


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

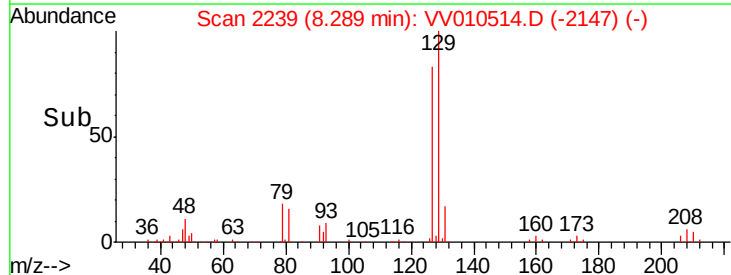
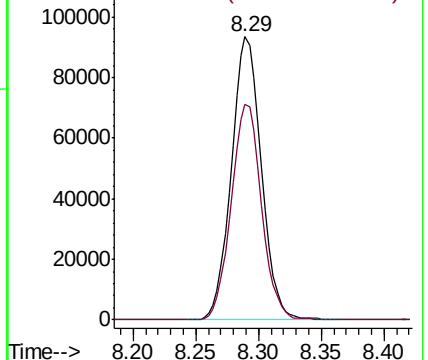


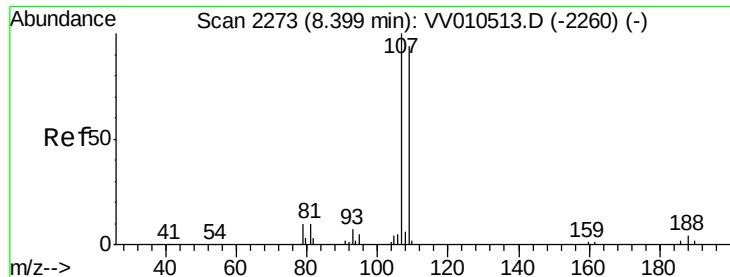
#49
Dibromochloromethane
Concen: 11.428 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

Tgt Ion:	129	Resp:	155312
Ion	Ratio	Lower	Upper
129	100		
127	76.2	51.9	96.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

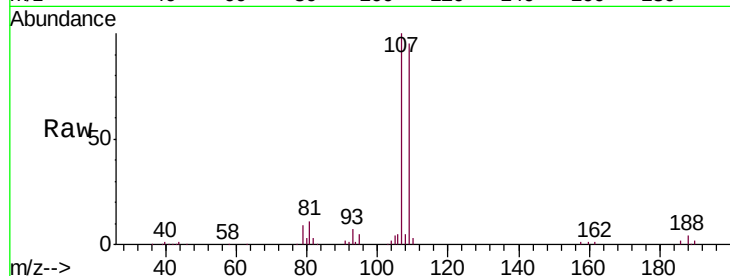




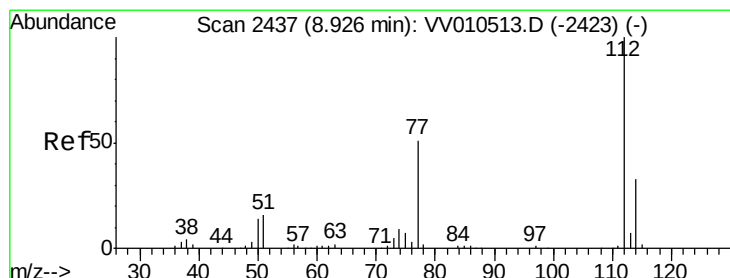
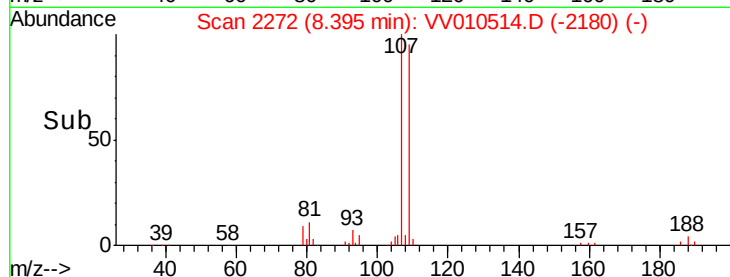
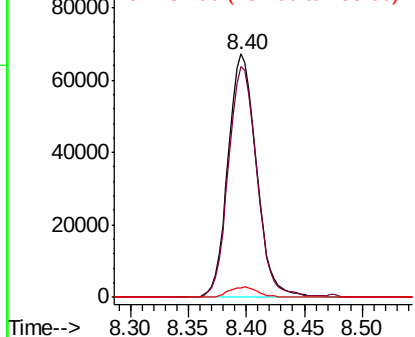
#50
 1,2-Dibromoethane
 Concen: 11.255 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01037

Tgt Ion:107 Resp: 114558
 Ion Ratio Lower Upper
 107 100
 109 94.6 65.5 121.6
 188 3.9 3.6 5.4

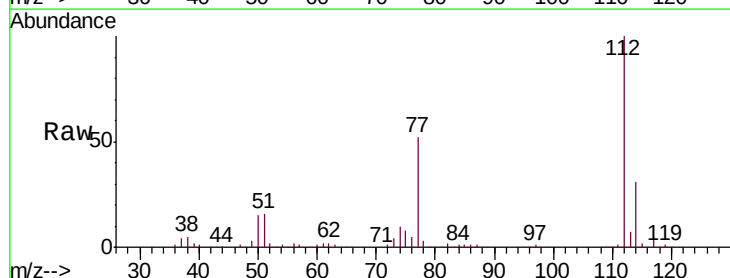


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

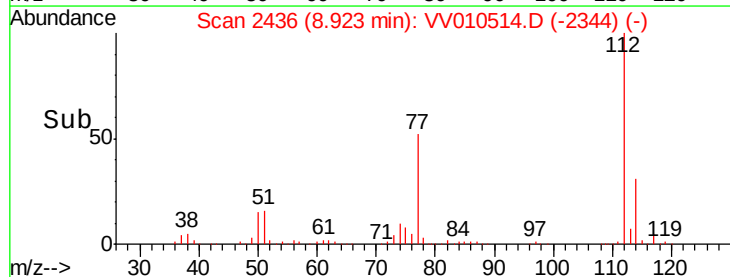
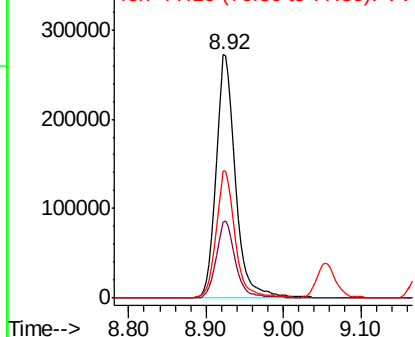


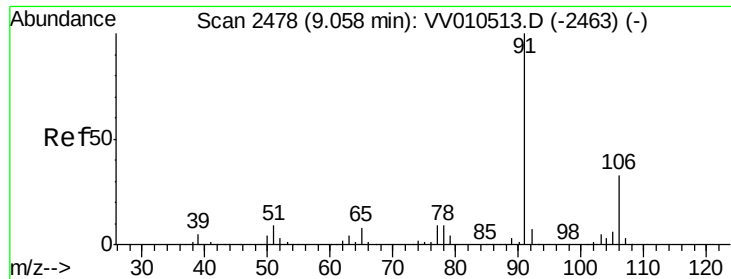
#51
 Chlorobenzene
 Concen: 10.770 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Tgt Ion:112 Resp: 486639
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.7 42.3
 77 52.1 41.0 61.6



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: 10.681 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

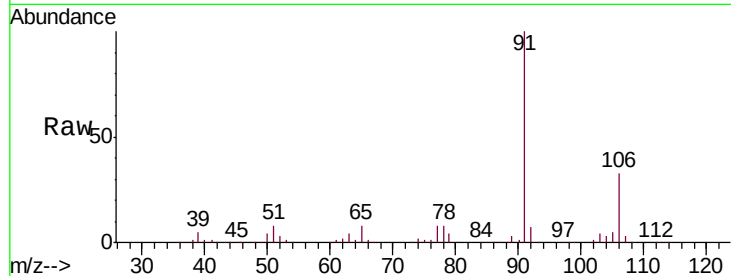
VSTD01037

Tgt Ion: 91 Resp: 775170

Ion Ratio Lower Upper

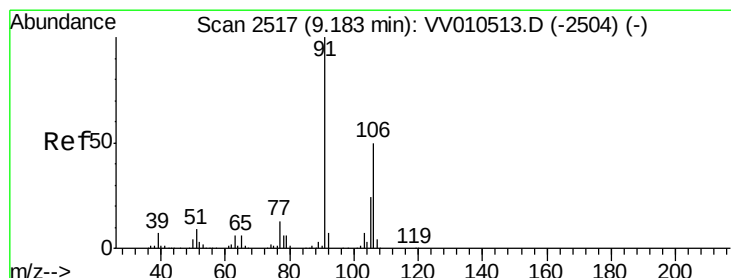
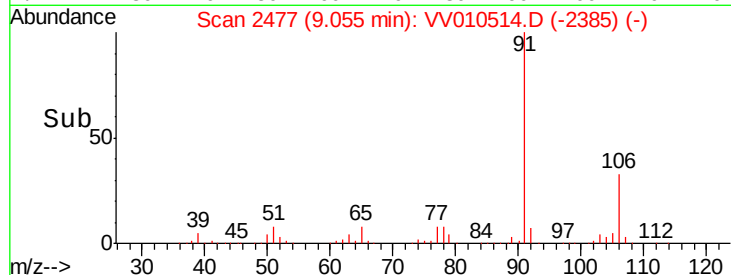
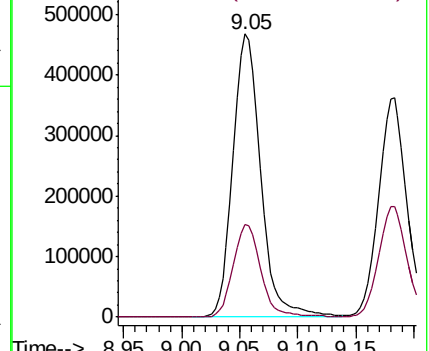
91 100

106 32.5 23.0 42.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 11.290 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010514.D

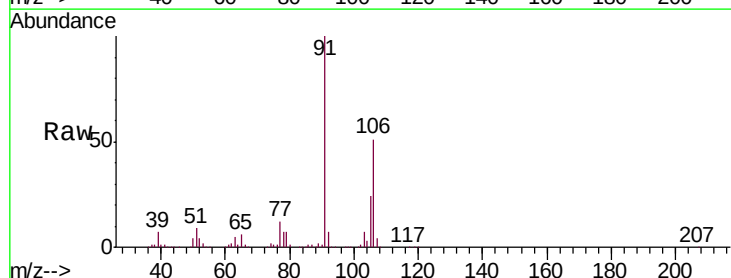
Acq: 26 Apr 2019 20:23

Tgt Ion: 106 Resp: 320128

Ion Ratio Lower Upper

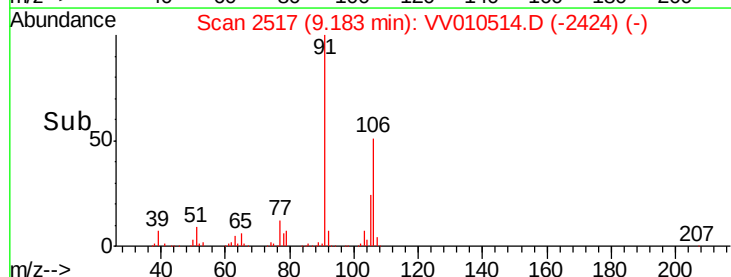
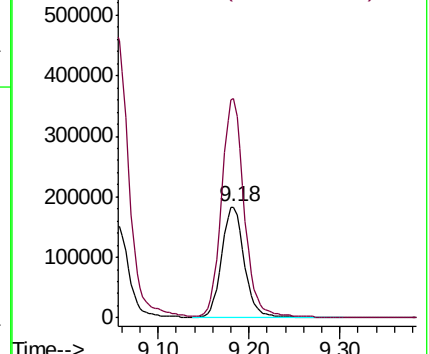
106 100

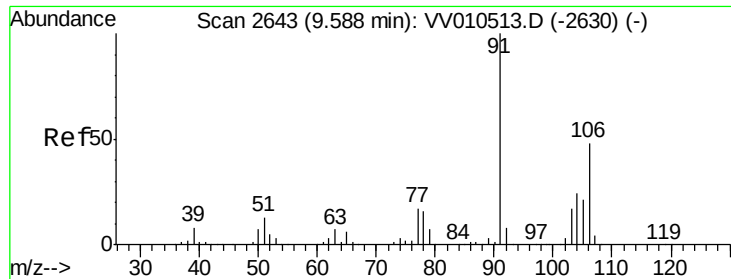
91 197.0 140.5 260.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

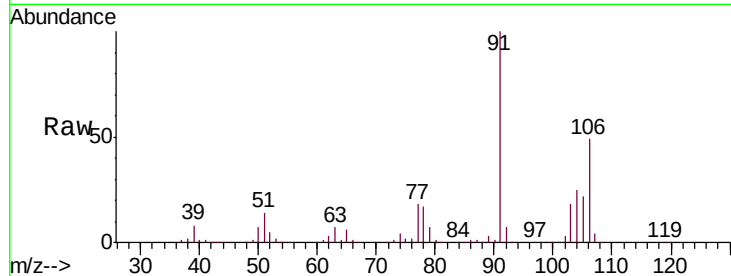




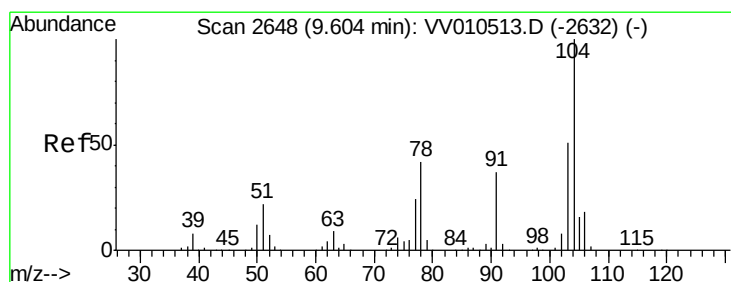
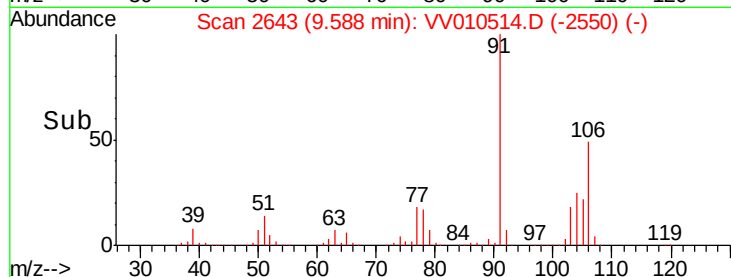
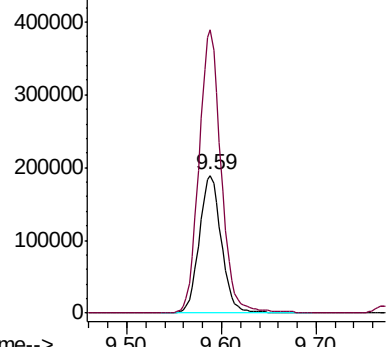
#54
o-xylene
Concen: 10.984 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD01037

Tgt Ion:106 Resp: 308792
Ion Ratio Lower Upper
106 100
91 205.0 146.4 272.0

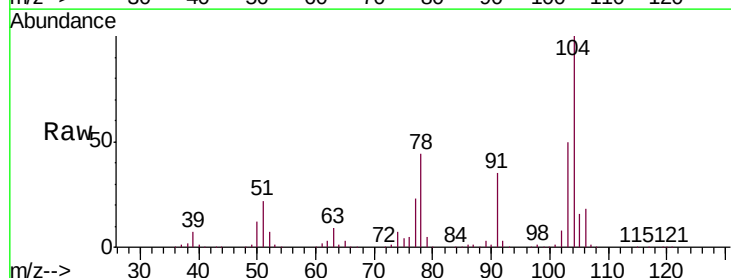


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

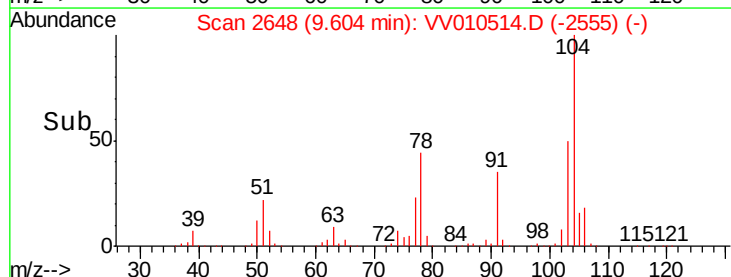
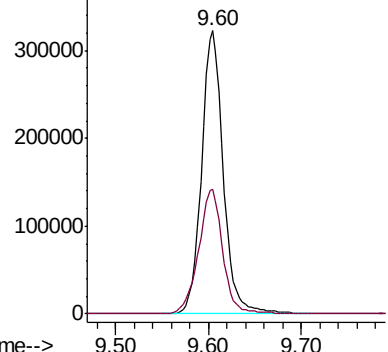


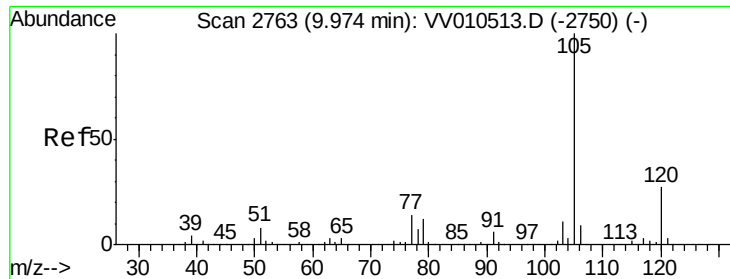
#55
Styrene
Concen: 11.388 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

Tgt Ion:104 Resp: 522550
Ion Ratio Lower Upper
104 100
78 43.9 29.5 54.9



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





#56

Isopropylbenzene

Concen: 10.743 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD01037

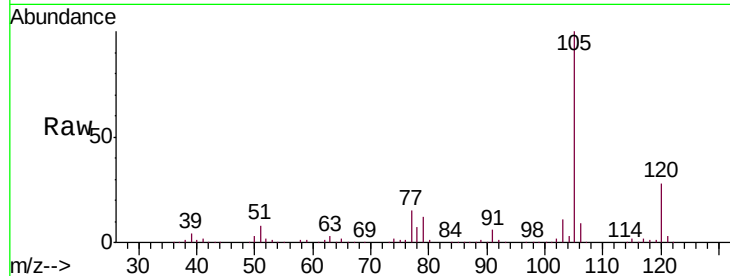
Tgt Ion: 105 Resp: 796784

Ion Ratio Lower Upper

105 100

120 27.9 21.9 32.9

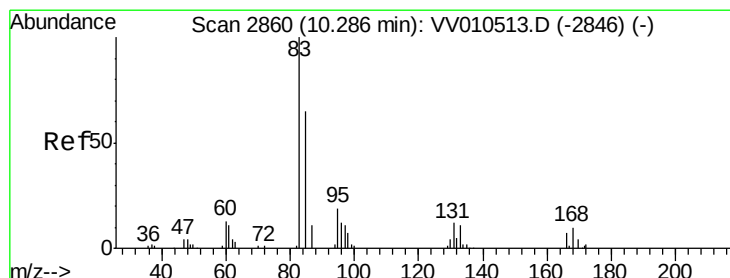
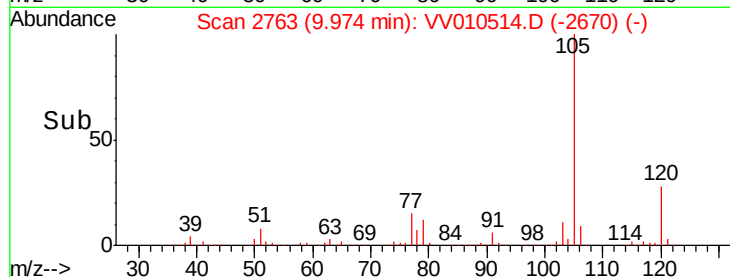
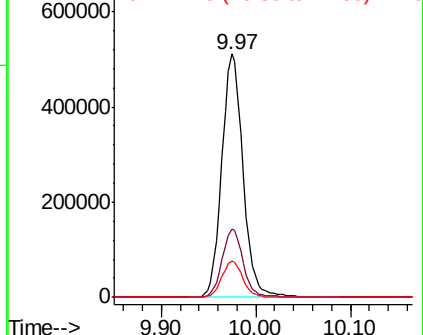
77 14.9 11.6 17.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.238 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

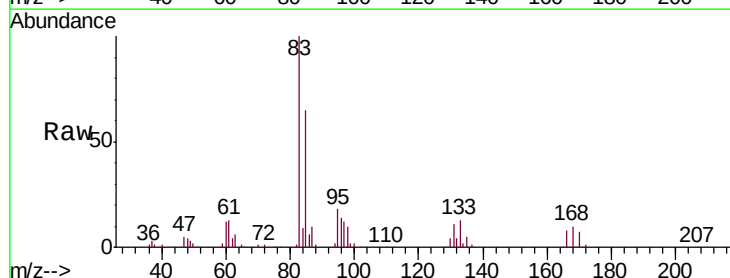
Tgt Ion: 83 Resp: 136222

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.6

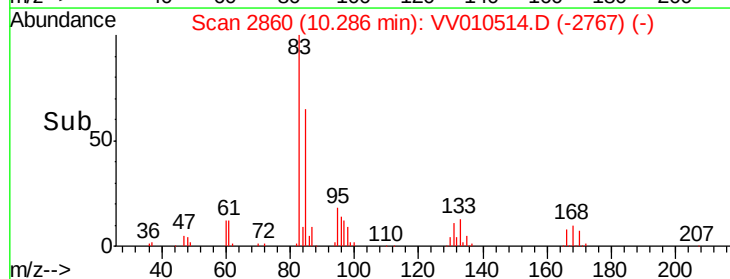
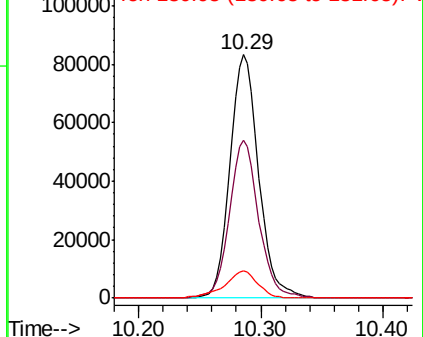
131 11.4 9.8 14.8

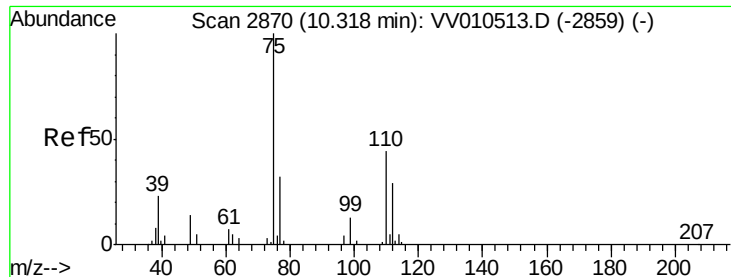


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

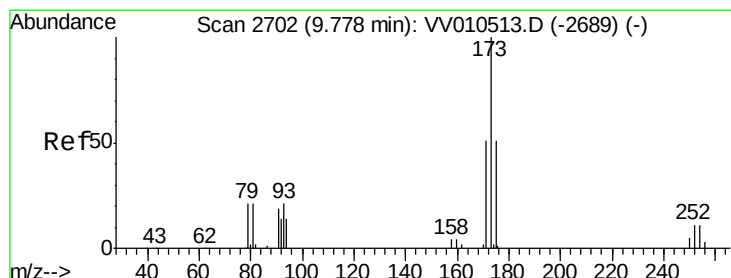
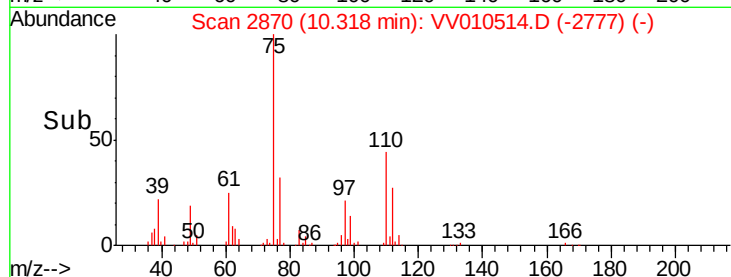
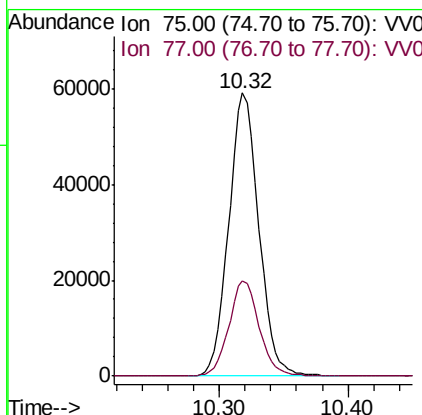
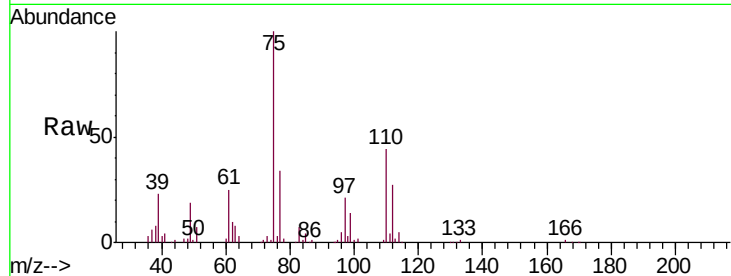




#59
 1,2,3-Trichloropropane
 Concen: 10.914 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

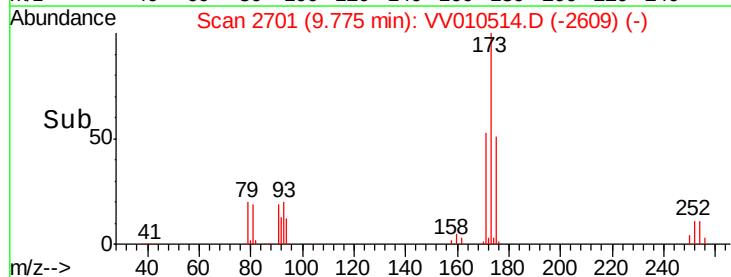
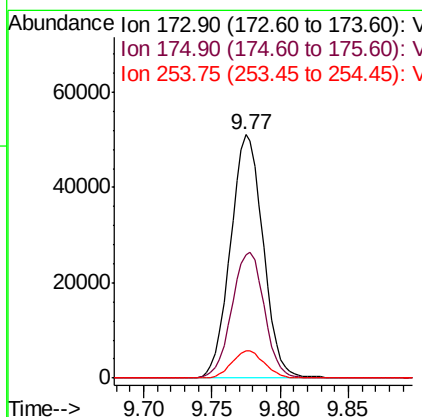
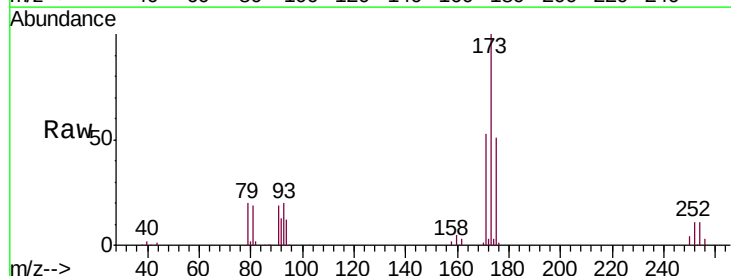
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01037

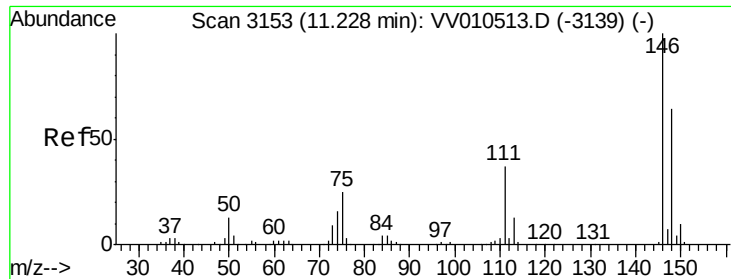
Tgt Ion: 75 Resp: 95452
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.9 40.3



#61
 Bromoform
 Concen: 10.937 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Tgt Ion: 173 Resp: 84815
 Ion Ratio Lower Upper
 173 100
 175 51.3 39.1 58.7
 254 11.2 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 10.260 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD01037

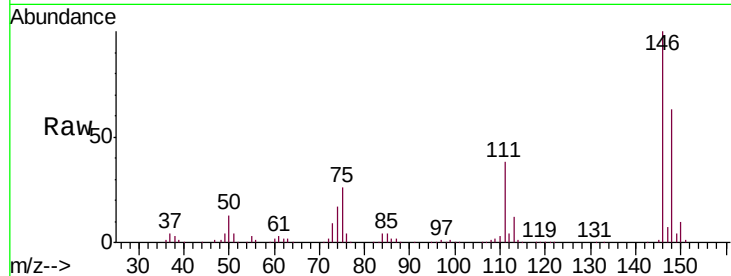
Tgt Ion:146 Resp: 407293

Ion Ratio Lower Upper

146 100

111 38.5 26.0 48.4

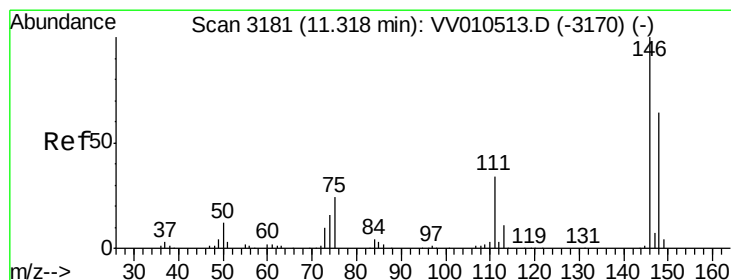
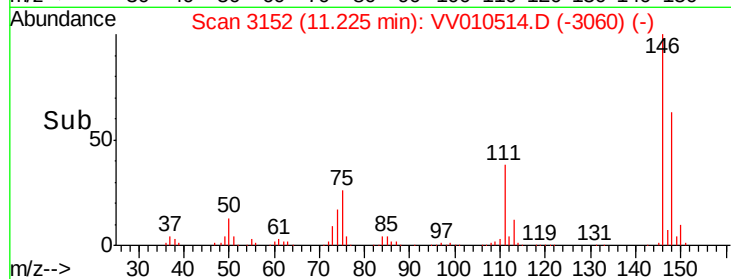
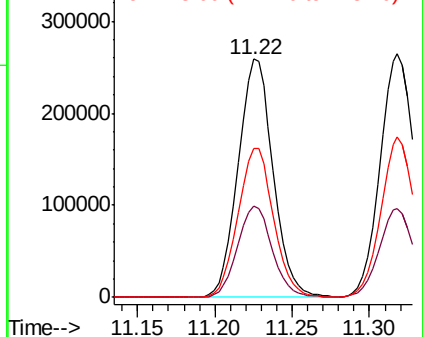
148 62.8 44.9 83.5



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: 10.398 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010514.D

Acq: 26 Apr 2019 20:23

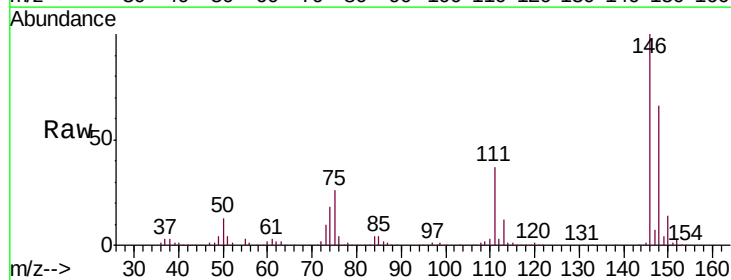
Tgt Ion:146 Resp: 417275

Ion Ratio Lower Upper

146 100

111 36.7 24.3 45.1

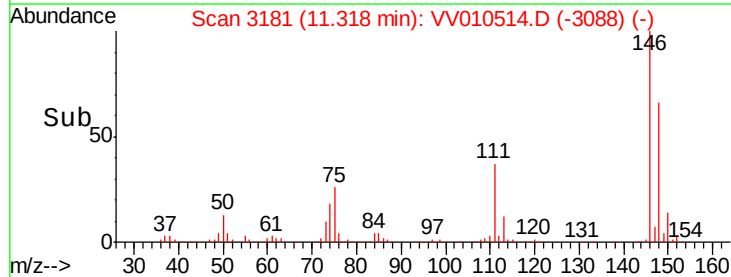
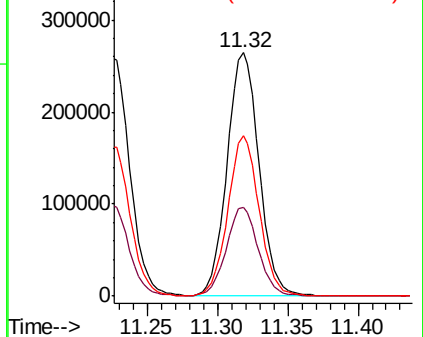
148 66.1 44.9 83.3

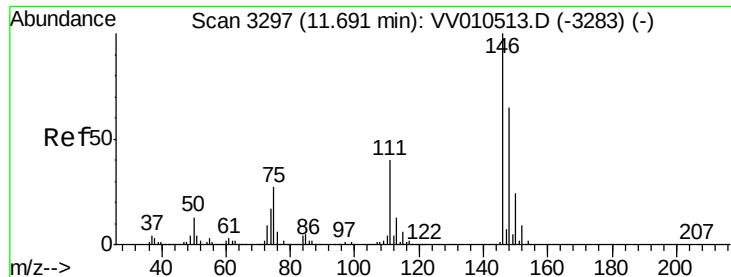


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

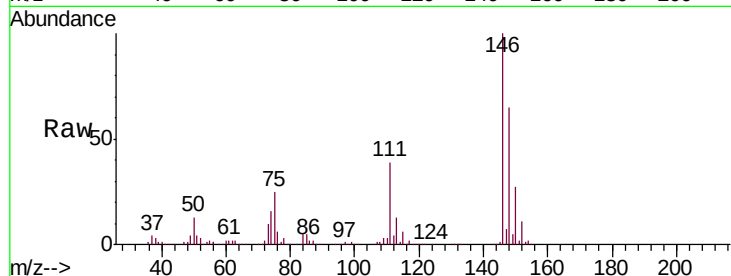




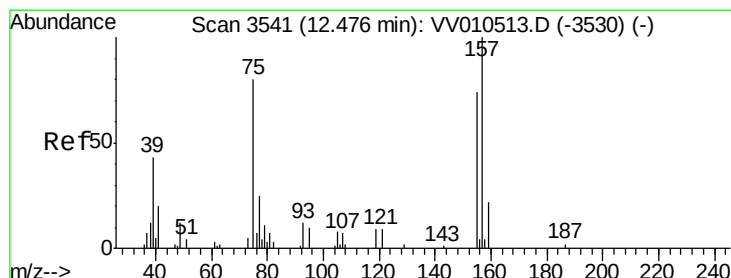
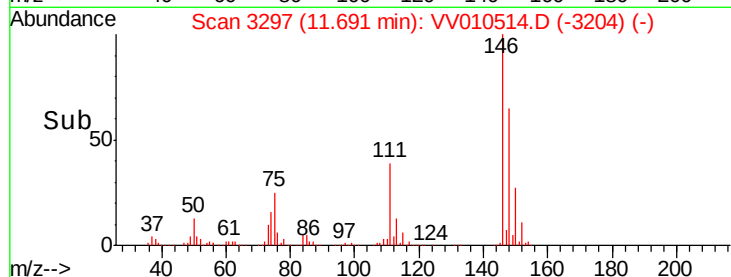
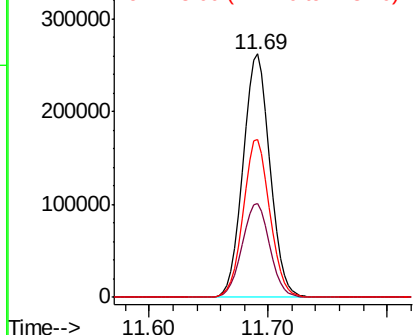
#65
 1,2-Dichlorobenzene
 Concen: 10.781 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01037

Tgt Ion: 146 Resp: 410032
 Ion Ratio Lower Upper
 146 100
 111 38.6 31.8 47.8
 148 65.0 51.9 77.9

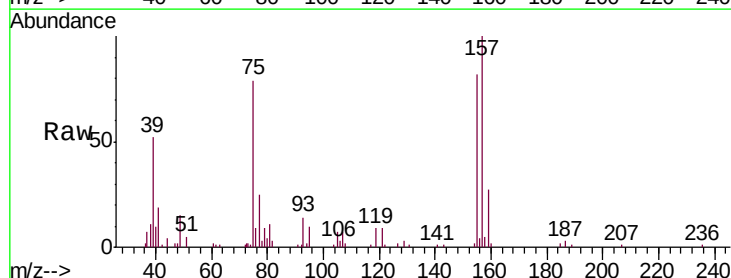


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

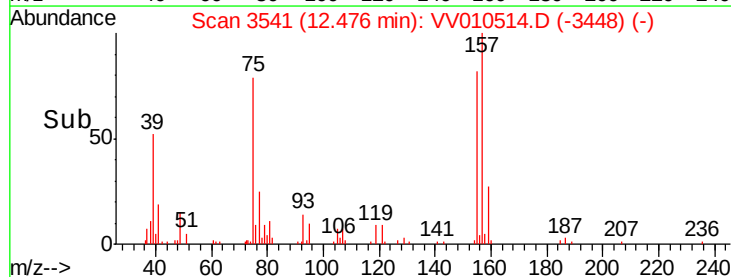
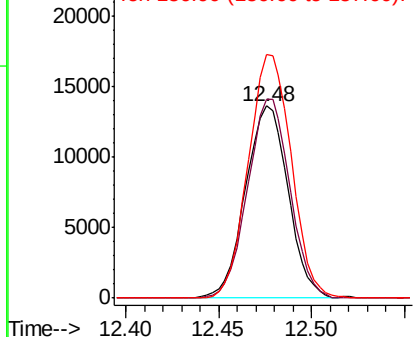


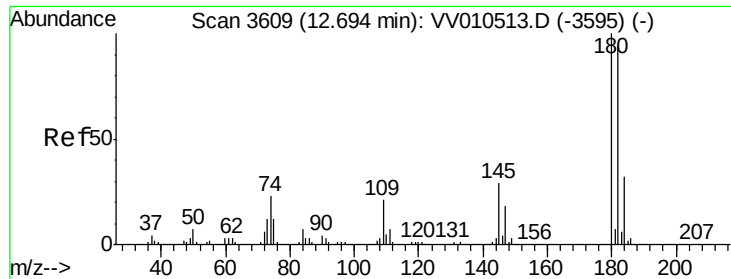
#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.310 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Tgt Ion: 75 Resp: 21830
 Ion Ratio Lower Upper
 75 100
 155 103.5 73.4 110.0
 157 126.7 99.4 149.2



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

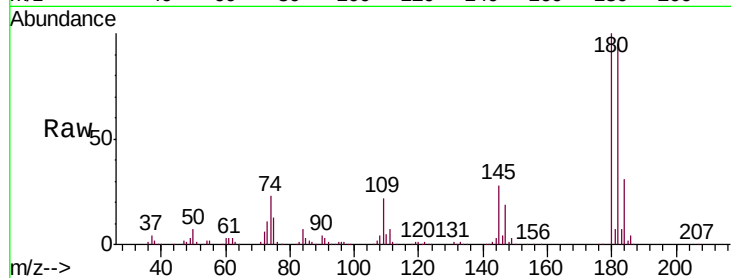




#67
 1,3,5-Trichlorobenzene
 Concen: 10.756 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01037

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.4	113.0
184	31.2	24.6	36.8
145	29.0	23.2	34.8



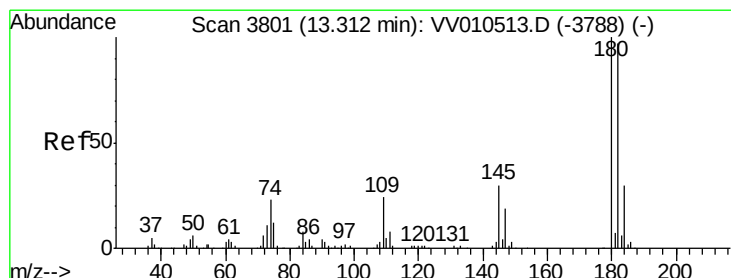
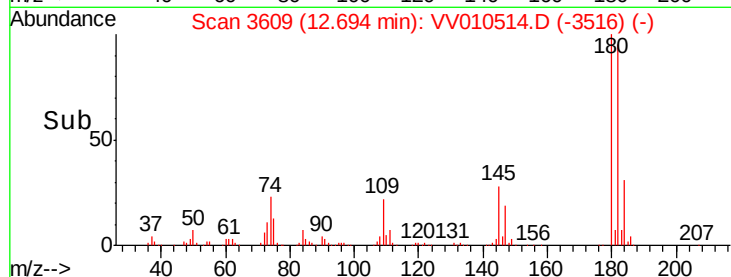
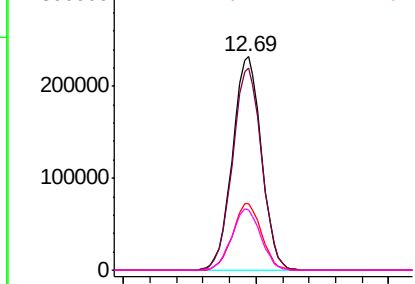
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

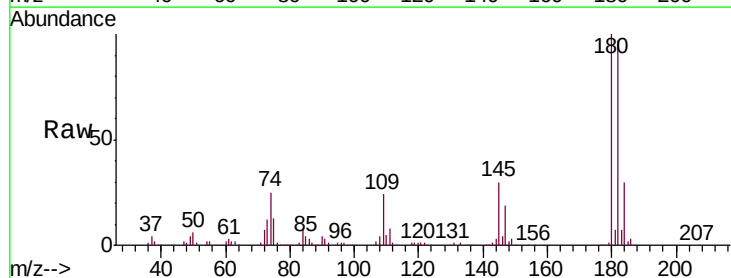
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.442 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010514.D
 Acq: 26 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.1	115.7
145	29.8	25.0	37.6

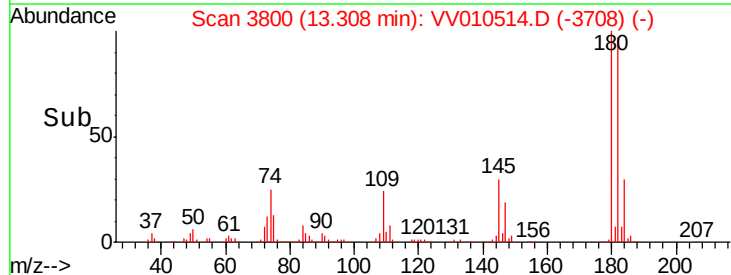
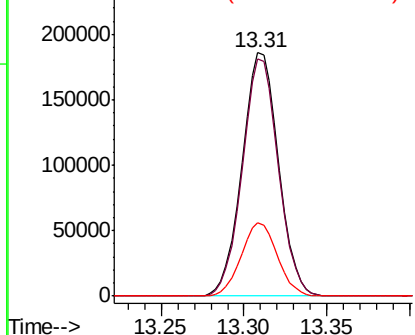


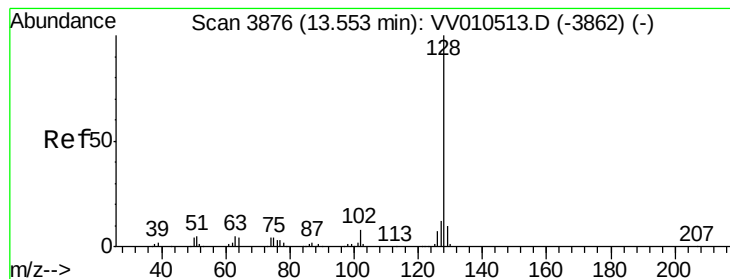
Abundance

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

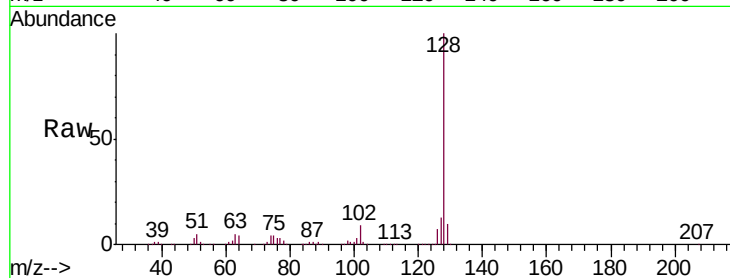




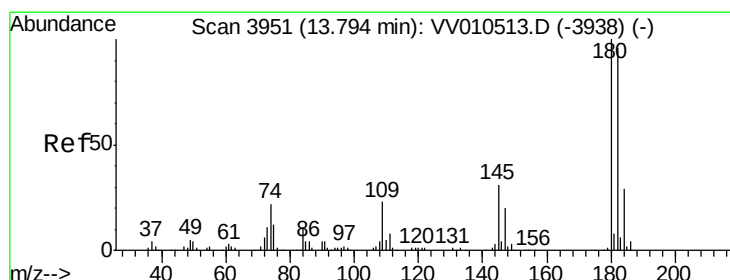
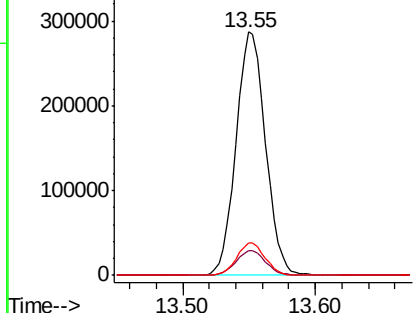
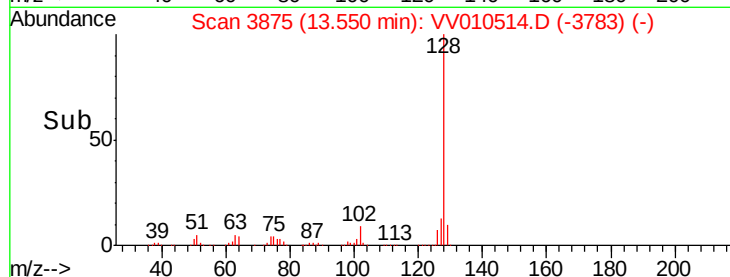
#69
Naphthalene
Concen: 11.888 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. -0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD01037

Tgt Ion:128 Resp: 443520
Ion Ratio Lower Upper
128 100
129 10.3 8.4 12.6
127 12.9 10.0 15.0

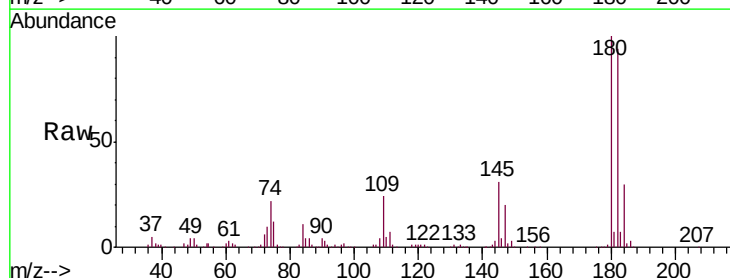


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 11.740 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV010514.D
Acq: 26 Apr 2019 20:23

Tgt Ion:180 Resp: 281824
Ion Ratio Lower Upper
180 100
182 94.6 76.0 114.0
145 31.4 24.8 37.2



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

