

Data File : VW009562.D
Acq On : 29 Mar 2019 03:34
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Mar 29 07:46:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 07:41:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	368033	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364831	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	187292	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	84815	19.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.12%
7) Chloroethane-d5	2.89	69	101792	19.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.12%
10) 1,1-Dichloroethene-d2	4.02	63	213306	22.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.76%
20) 2-Butanone-d5	7.08	46	86643	47.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.28%
24) Chloroform-d	7.64	84	265127	26.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	8.30	65	156984	25.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.80%
29) Benzene-d6	8.27	84	469513	23.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.36%
33) 1,2-Dichloropropane-d6	9.27	67	150327	24.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.52%
37) Toluene-d8	10.32	98	424846	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.36%
38) trans-1,3-Dichloropropene-	10.57	79	65756	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.68%
39) 2-Hexanone-d5	10.93	63	64913	44.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149333	25.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	173136	24.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	92589	19.097 ug/L	89
3) Chloromethane	2.21	50	113622	22.089 ug/L	99
5) Vinyl chloride	2.37	62	145516	27.485 ug/L	96
6) Bromomethane	2.78	94	111646	25.170 ug/L	100
8) Chloroethane	2.93	64	111338	25.418 ug/L	96
9) Trichlorofluoromethane	3.26	101	86765	20.747 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	116249	24.069 ug/L	96
12) 1,1-Dichloroethene	4.04	96	115999	25.595 ug/L	85
13) Acetone	4.12	43	58284	39.076 ug/L	97
14) Carbon disulfide	4.38	76	318615	26.122 ug/L	100
15) Methyl Acetate	4.67	43	68060	23.227 ug/L	100
16) Methylene chloride	4.92	84	147387	27.462 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	167451	26.113 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	123549	25.929 ug/L	94
19) 1,1-Dichloroethane	6.21	63	251781	28.980 ug/L	98
21) 2-Butanone	7.17	43	91889	44.618 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	142611	27.629 ug/L	92

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65030	26.267	ug/L	96
25) Chloroform	7.67	83	264482	29.069	ug/L	99
27) 1,2-Dichloroethane	8.40	62	199002	29.336	ug/L	97
30) Cyclohexane	7.95	56	189682	22.893	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	200908	27.572	ug/L	100
32) Carbon tetrachloride	8.07	117	197621	26.881	ug/L	99
34) Benzene	8.32	78	554752	27.781	ug/L	100
35) Trichloroethene	9.09	95	141680	26.627	ug/L	97
36) Methylcyclohexane	9.33	83	210718	22.890	ug/L	97
40) 1,2-Dichloropropane	9.37	63	145116	28.320	ug/L	99
41) Bromodichloromethane	9.64	83	199165	28.052	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	215959	25.876	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	210199	45.270	ug/L	99
44) Toluene	10.38	91	603053	27.621	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	184487	25.411	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	107773	26.363	ug/L	99
47) Tetrachloroethene	10.86	164	110480	24.573	ug/L	98
49) 2-Hexanone	10.97	43	150461	46.008	ug/L	99
50) Dibromochloromethane	11.13	129	133263	26.407	ug/L	95
51) 1,2-Dibromoethane	11.23	107	104372	25.185	ug/L #	99
52) Chlorobenzene	11.66	112	386458	27.598	ug/L	99
53) Ethylbenzene	11.73	91	683168	27.832	ug/L	98
54) m,p-Xylene	11.84	106	252999	27.129	ug/L	89
55) o-xylene	12.16	106	247822	27.240	ug/L	93
56) Styrene	12.18	104	444183	28.615	ug/L	99
57) Isopropylbenzene	12.46	105	673376	27.630	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	143783	26.071	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	102008	24.923	ug/L	100
62) Bromoform	12.35	173	79520	25.128	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	292438	26.199	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	311646	27.004	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	289387	27.185	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	23856	22.866	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	220264	25.299	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	179589	24.556	ug/L	99
69) Naphthalene	15.37	128	365120	24.081	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	179651	26.227	ug/L	98

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

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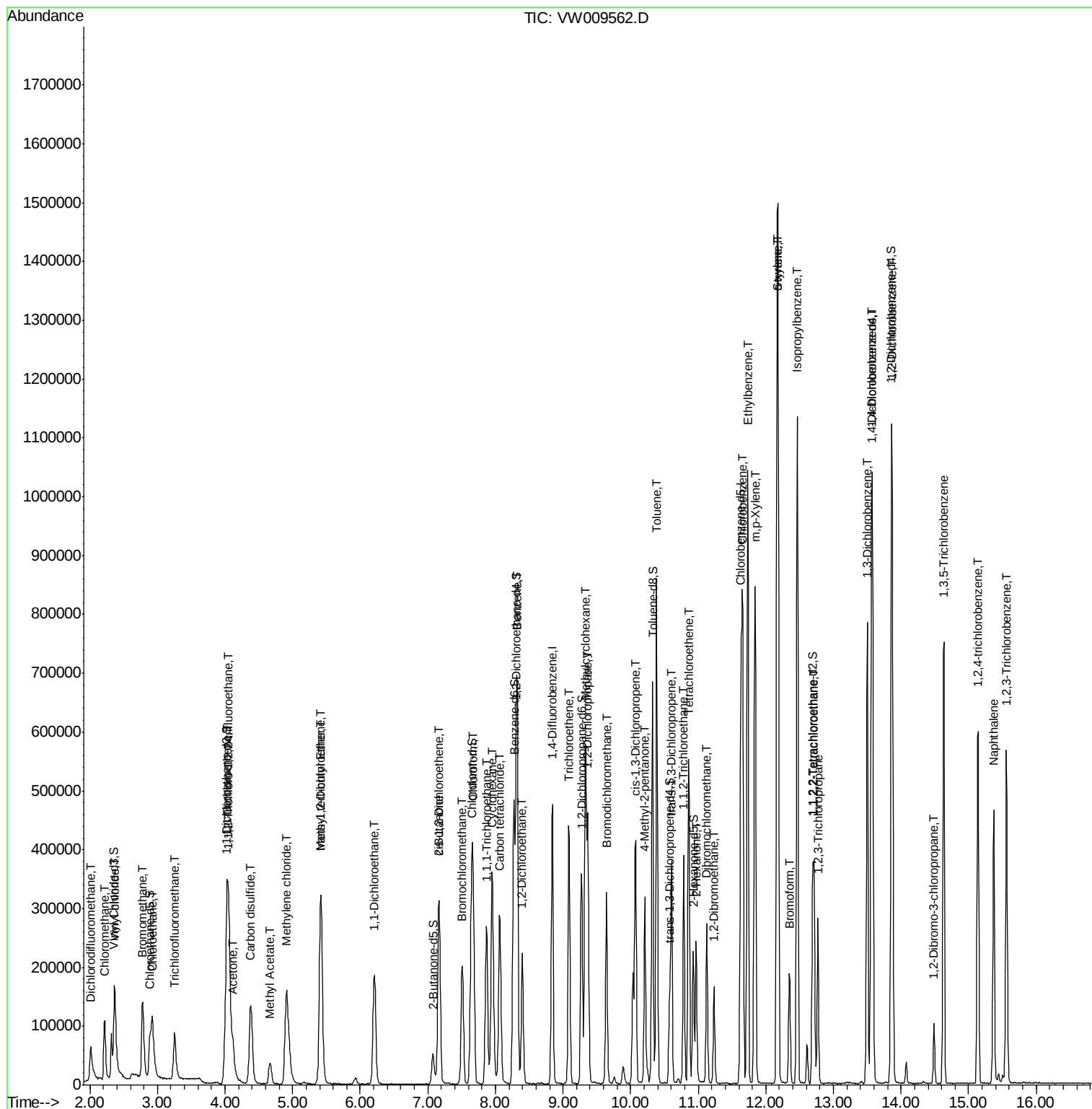
Quant Time: Mar 29 07:46:19 2019

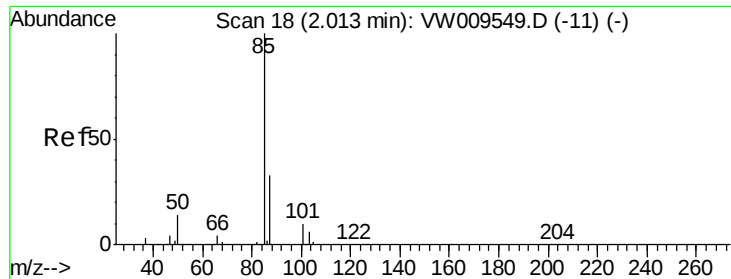
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

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#2

Dichlorodifluoromethane

Concen: 19.097 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

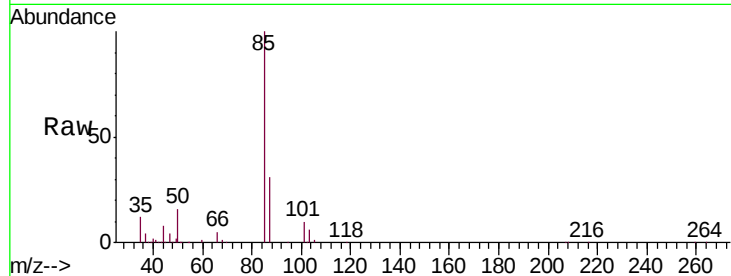
VSTD02503

Tgt Ion: 85 Resp: 92589

Ion Ratio Lower Upper

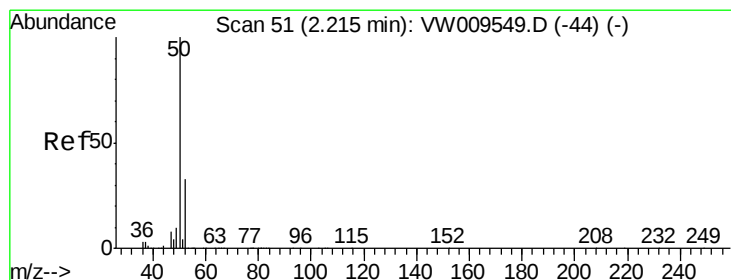
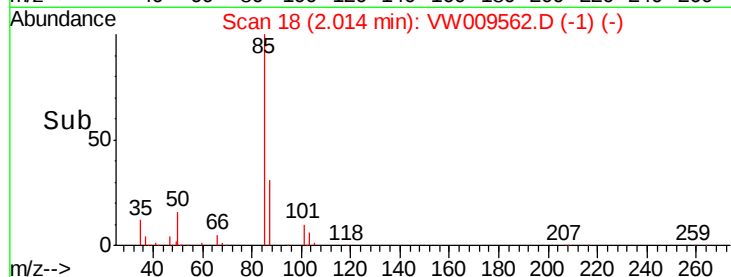
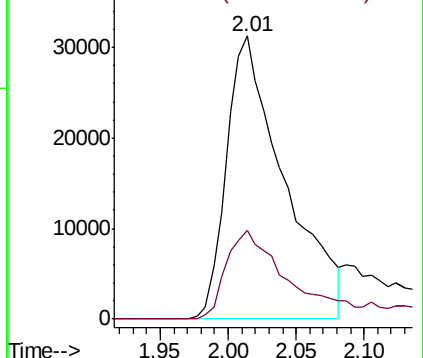
85 100

87 33.8 19.5 36.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.089 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009562.D

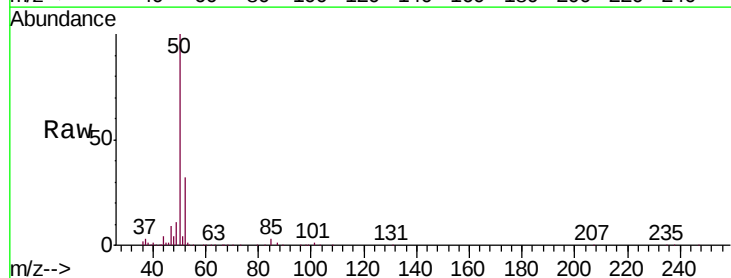
Acq: 29 Mar 2019 03:34

Tgt Ion: 50 Resp: 113622

Ion Ratio Lower Upper

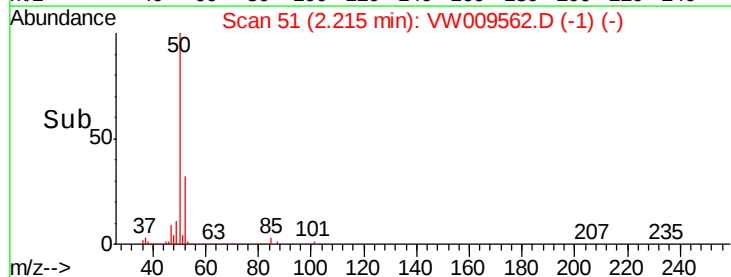
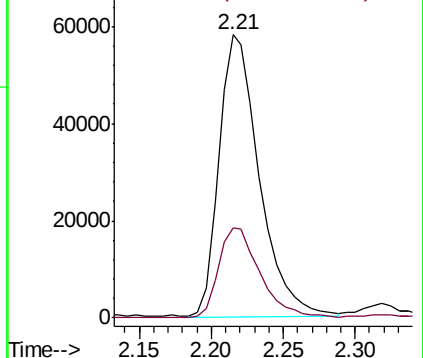
50 100

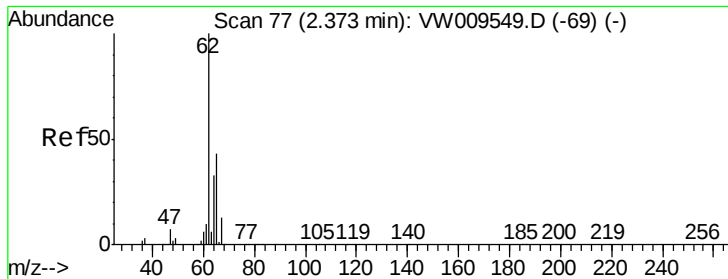
52 31.7 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.485 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

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ClientSampleId :

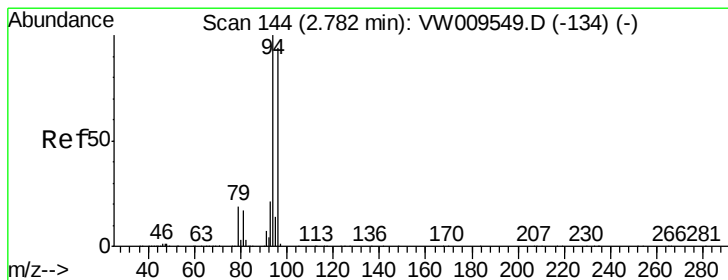
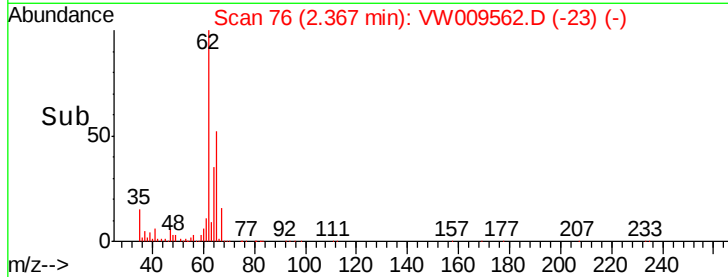
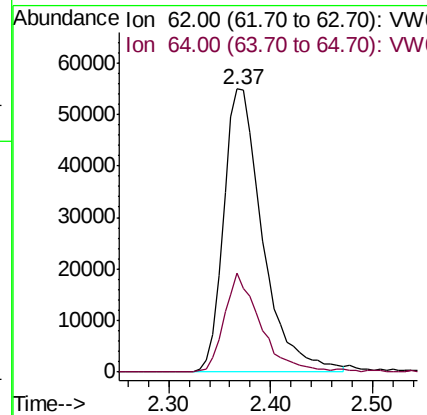
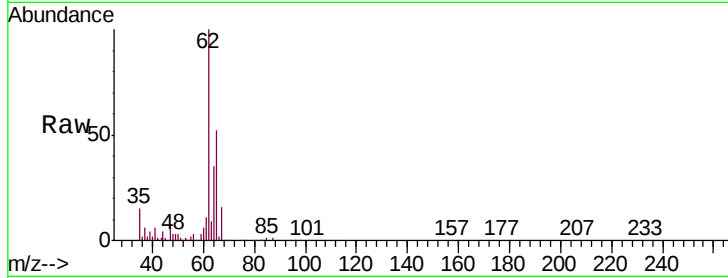
VSTD02503

Tgt Ion: 62 Resp: 145516

Ion Ratio Lower Upper

62 100

64 35.2 23.0 42.6



#6

Bromomethane

Concen: 25.170 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009562.D

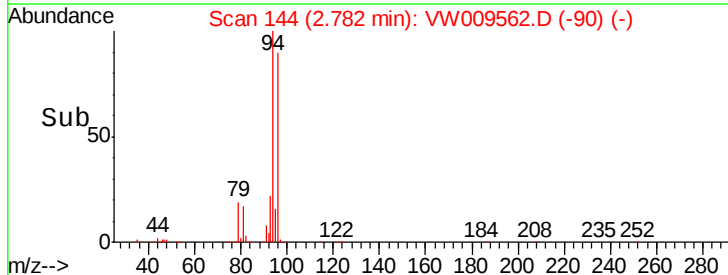
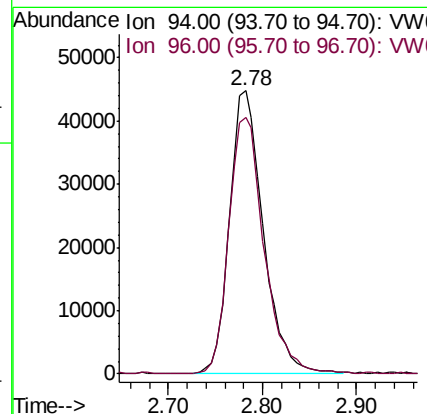
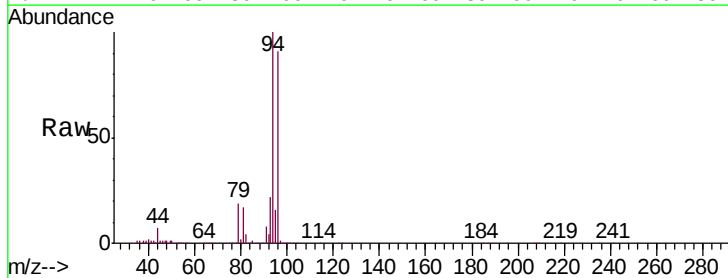
Acq: 29 Mar 2019 03:34

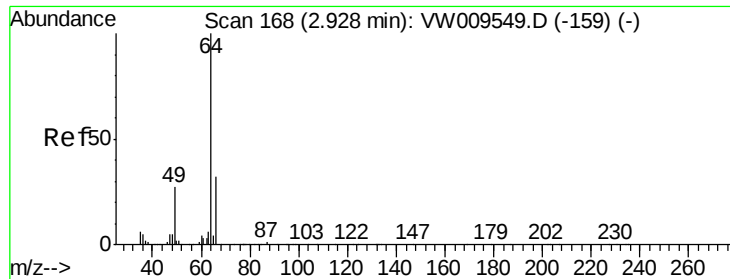
Tgt Ion: 94 Resp: 111646

Ion Ratio Lower Upper

94 100

96 93.4 9.4 178.4





#8

Chloroethane

Concen: 25.418 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

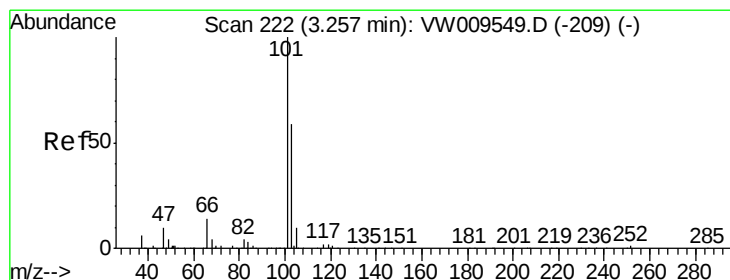
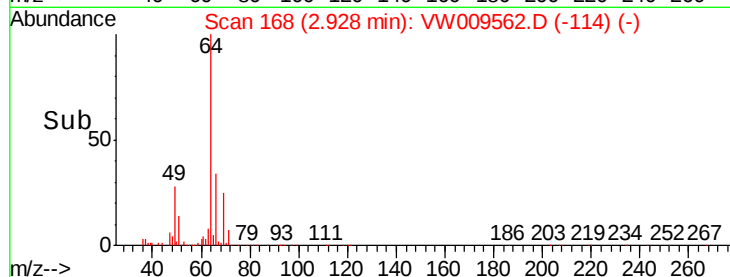
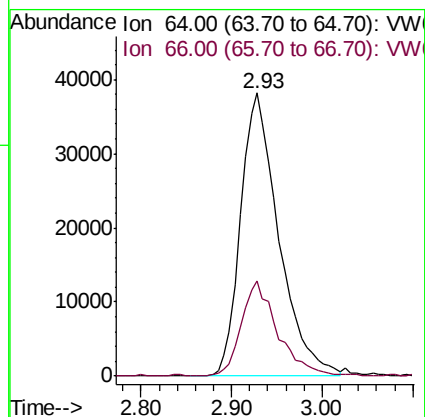
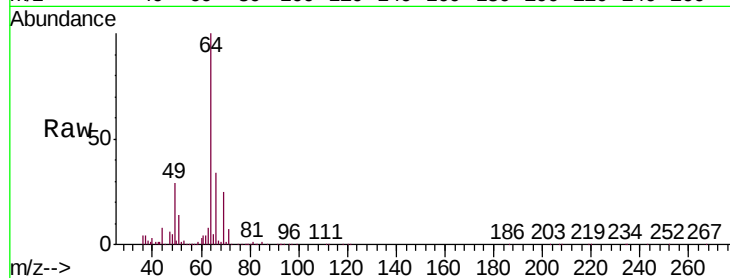
VSTD02503

Tgt Ion: 64 Resp: 111338

Ion Ratio Lower Upper

64 100

66 33.8 25.1 46.7



#9

Trichlorofluoromethane

Concen: 20.747 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW009562.D

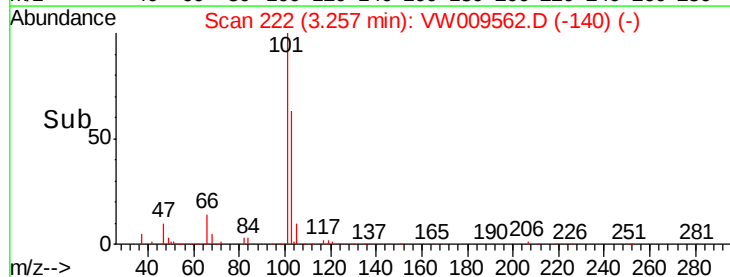
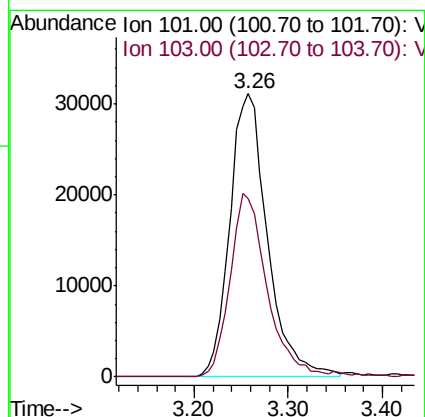
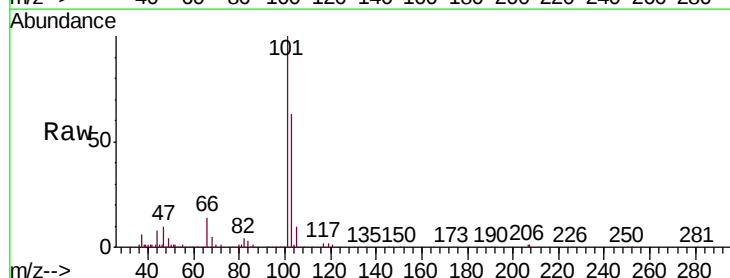
Acq: 29 Mar 2019 03:34

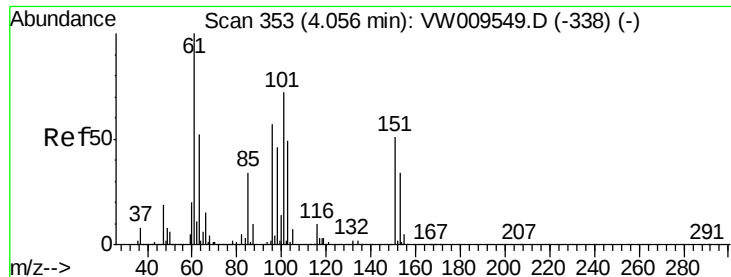
Tgt Ion: 101 Resp: 86765

Ion Ratio Lower Upper

101 100

103 63.2 45.0 83.6





#11

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

Concen: 24.069 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

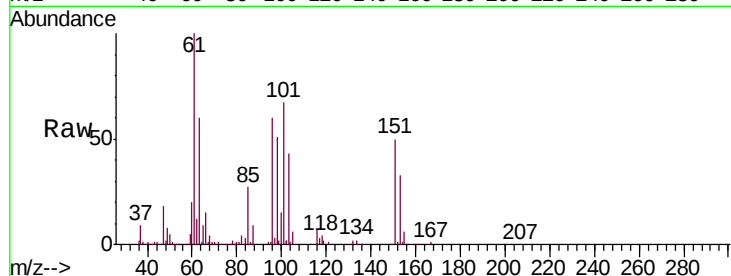
Tgt Ion:101 Resp: 116249

Ion Ratio Lower Upper

101 100

85 47.6 32.6 48.8

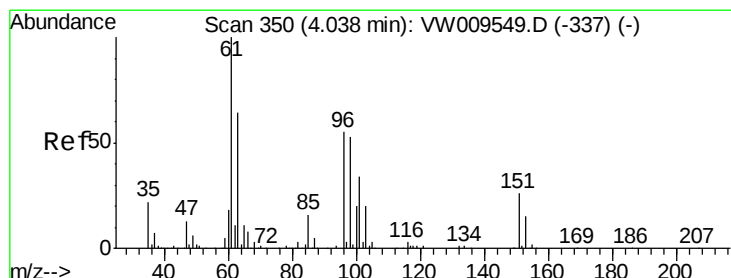
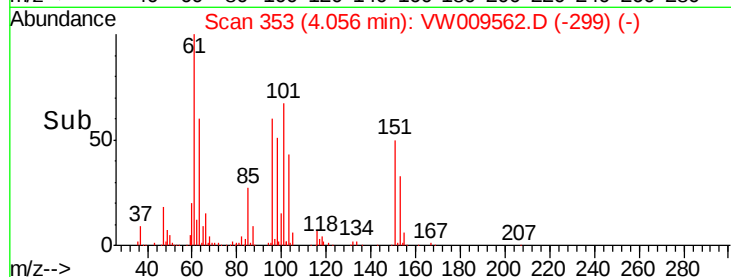
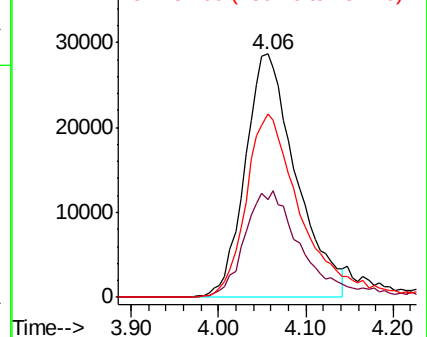
151 78.3 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.595 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

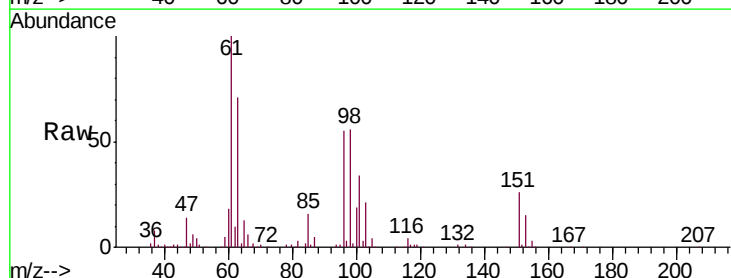
Tgt Ion: 96 Resp: 115999

Ion Ratio Lower Upper

96 100

61 180.3 129.4 240.2

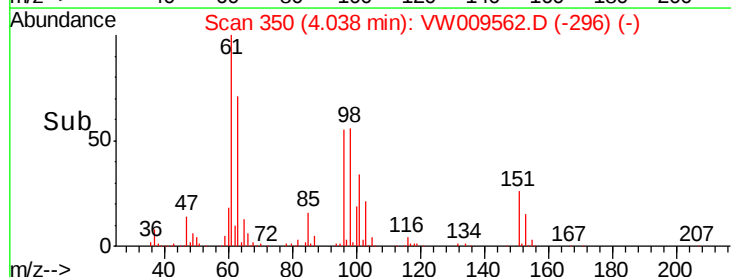
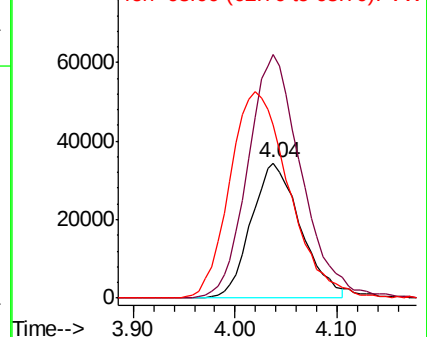
63 128.4 116.8 217.0

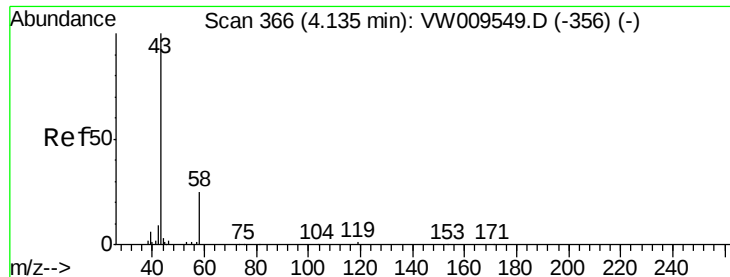


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.076 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

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ClientSampleId :

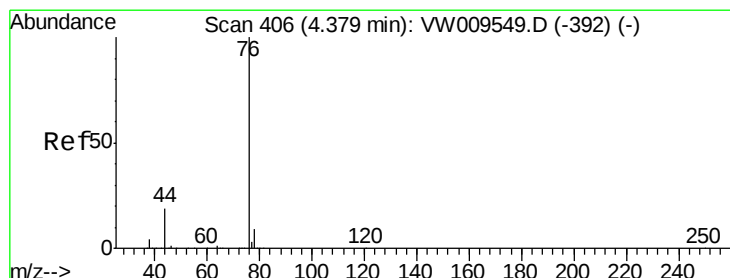
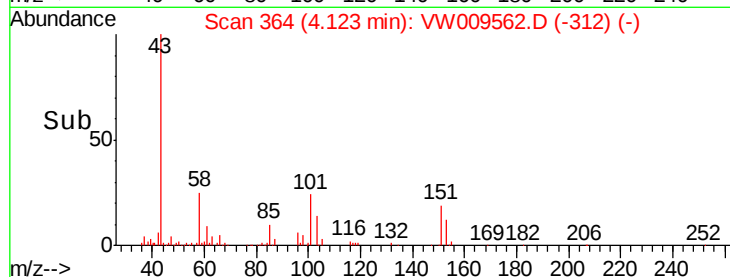
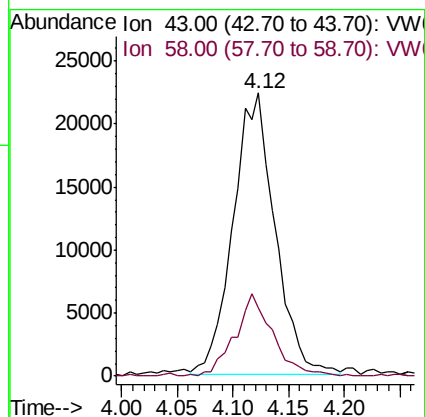
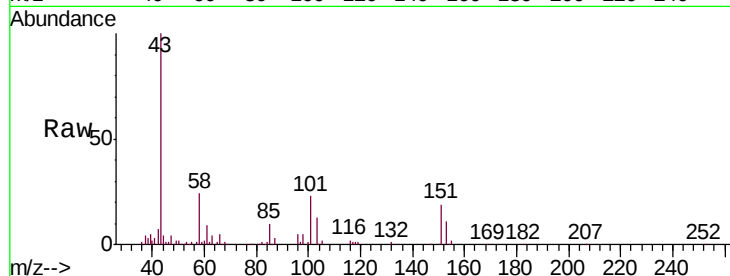
VSTD02503

Tgt Ion: 43 Resp: 58284

Ion Ratio Lower Upper

43 100

58 26.5 0.0 56.2



#14

Carbon disulfide

Concen: 26.122 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009562.D

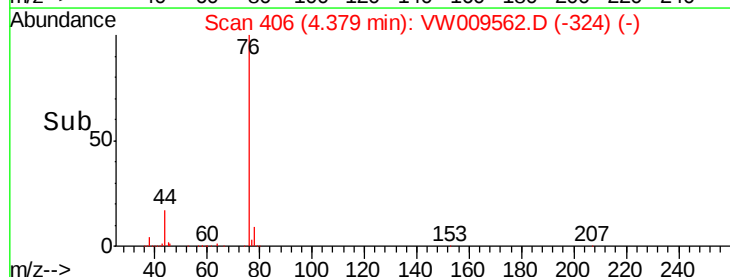
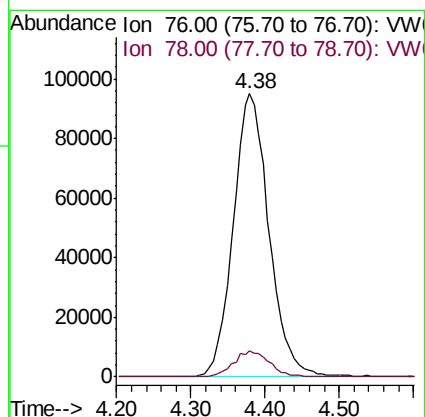
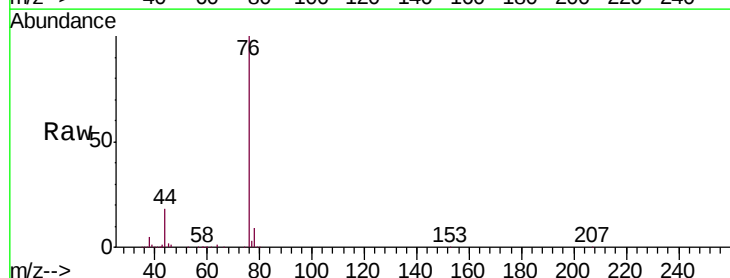
Acq: 29 Mar 2019 03:34

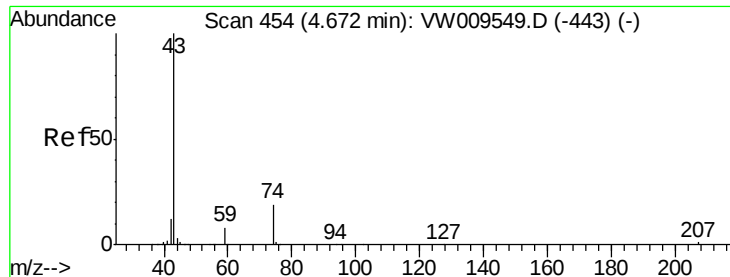
Tgt Ion: 76 Resp: 318615

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

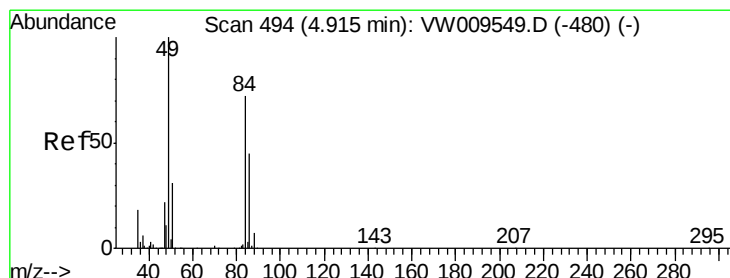
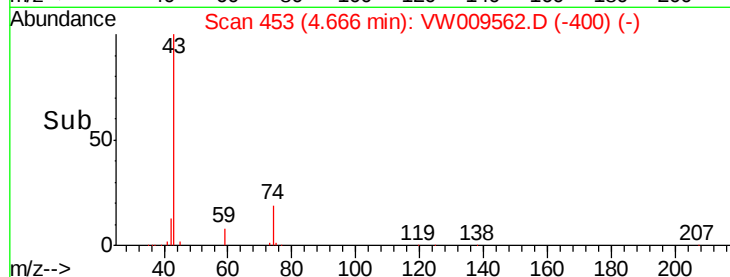
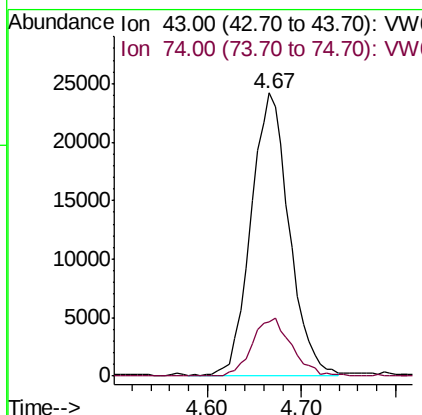
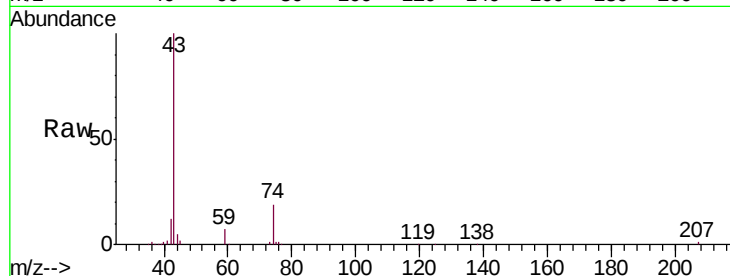




#15
Methyl Acetate
Concen: 23.227 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

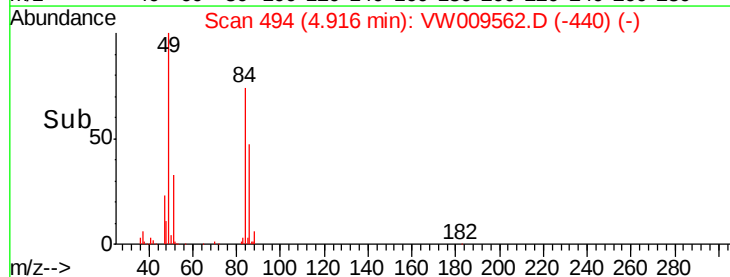
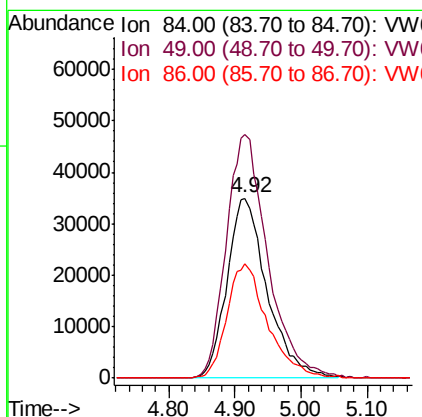
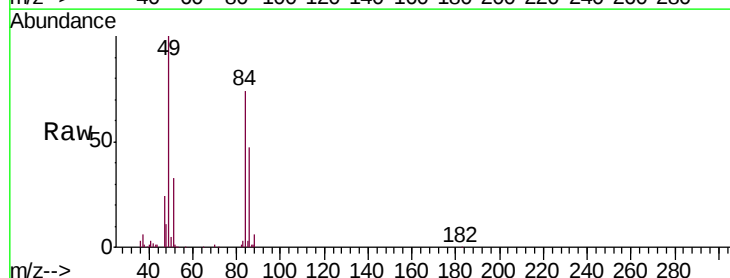
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

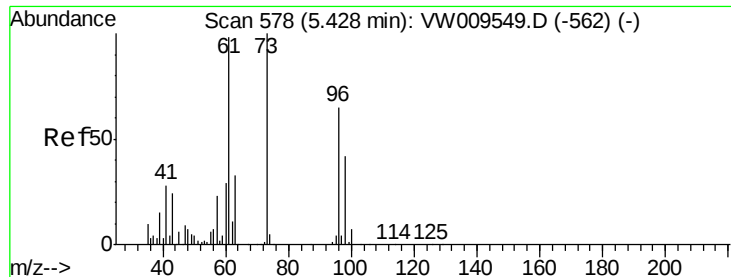
Tgt Ion: 43 Resp: 68060
Ion Ratio Lower Upper
43 100
74 21.0 16.7 25.1



#16
Methylene chloride
Concen: 27.462 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

Tgt Ion: 84 Resp: 147387
Ion Ratio Lower Upper
84 100
49 135.2 96.0 178.2
86 63.3 44.4 82.5

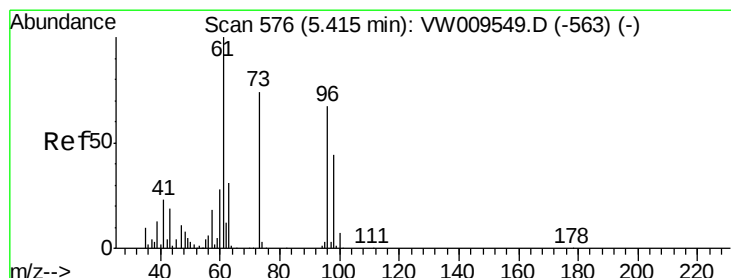
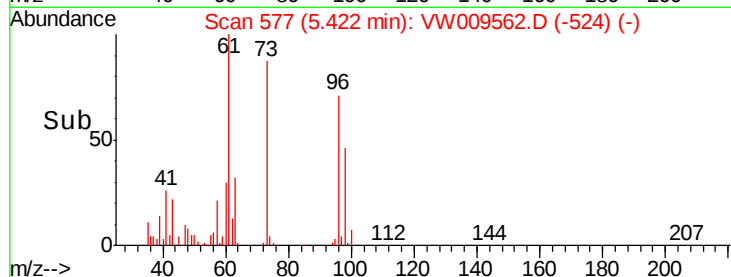
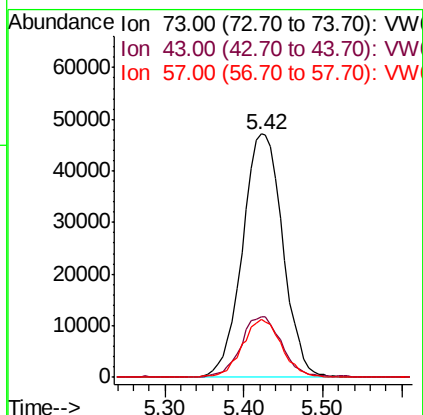
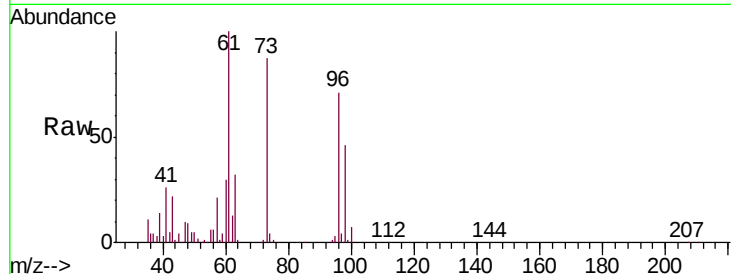




#17
Methyl tert-butyl Ether
Concen: 26.113 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

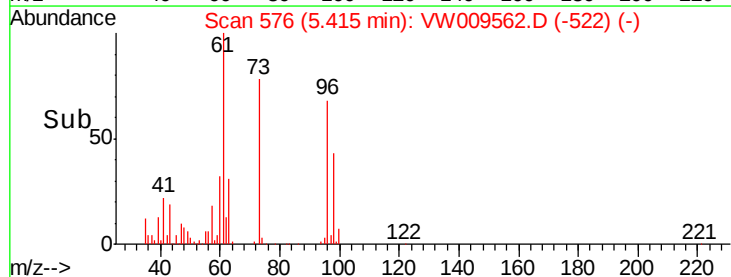
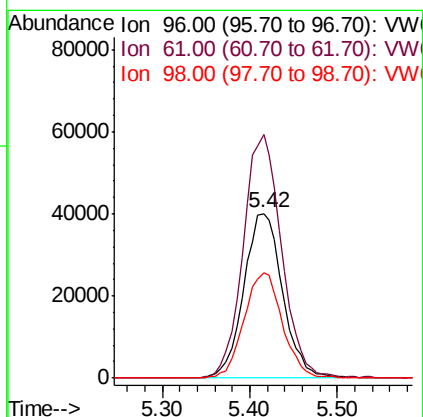
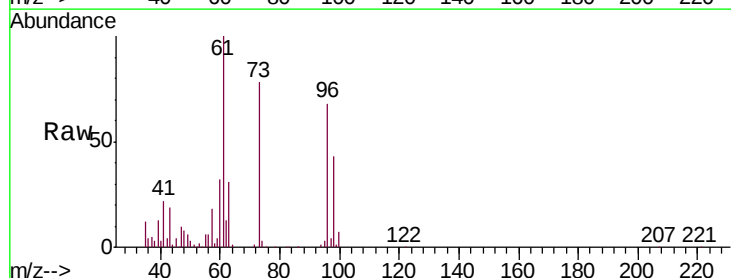
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

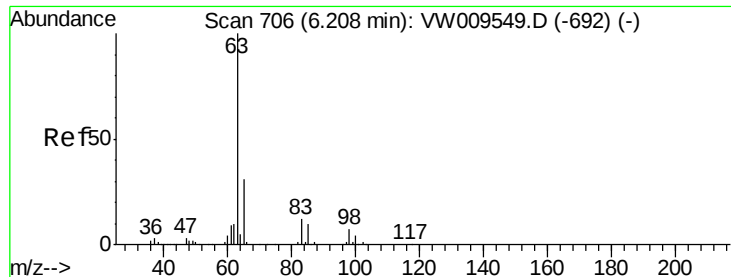
Tgt Ion: 73 Resp: 167451
Ion Ratio Lower Upper
73 100
43 25.1 18.2 27.4
57 22.9 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 25.929 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

Tgt Ion: 96 Resp: 123549
Ion Ratio Lower Upper
96 100
61 147.8 96.7 179.5
98 64.2 43.8 81.4

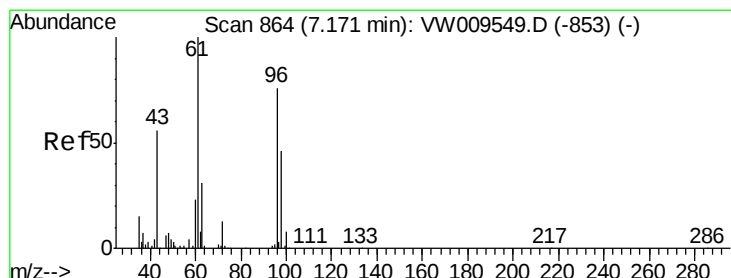
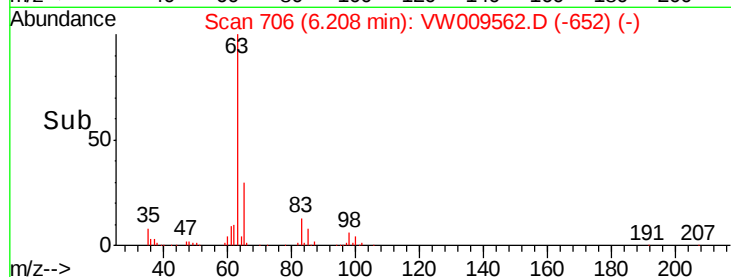
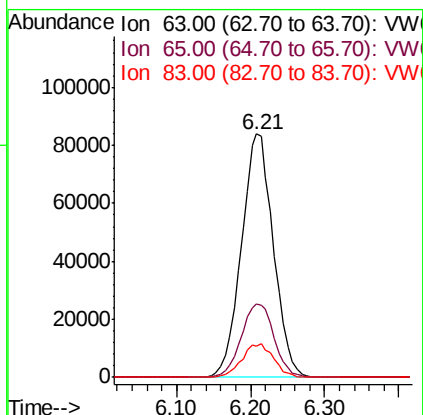
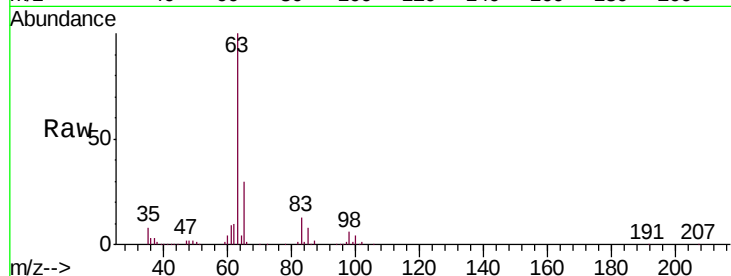




#19
 1,1-Dichloroethane
 Concen: 28.980 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

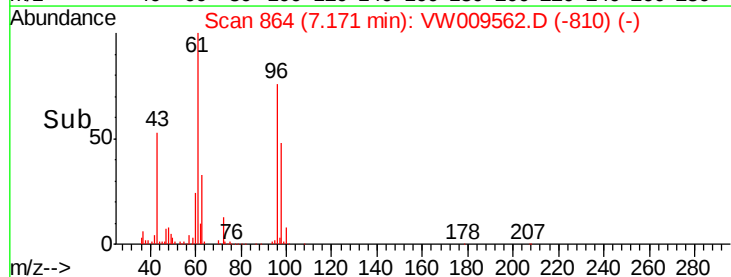
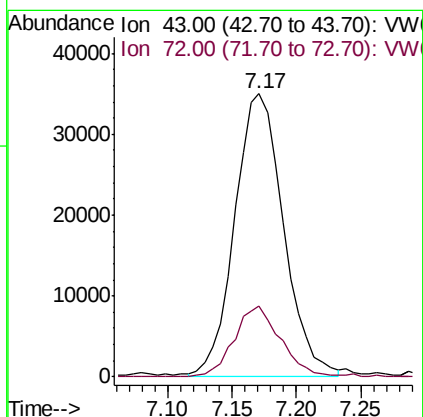
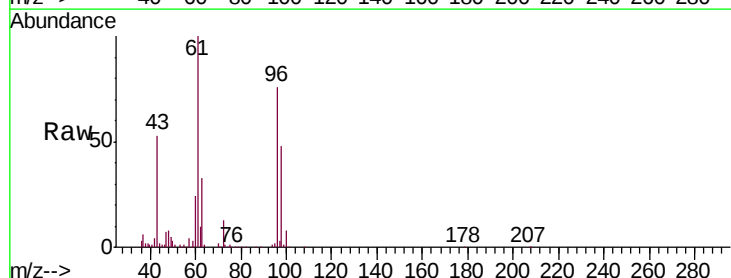
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

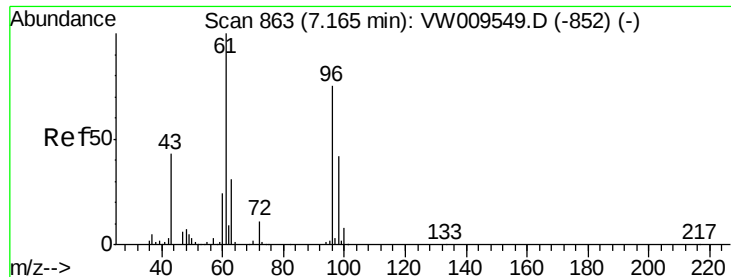
Tgt Ion: 63 Resp: 251781
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.6 40.0
 83 12.7 10.1 18.7



#21
 2-Butanone
 Concen: 44.618 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Tgt Ion: 43 Resp: 91889
 Ion Ratio Lower Upper
 43 100
 72 24.0 13.1 39.1



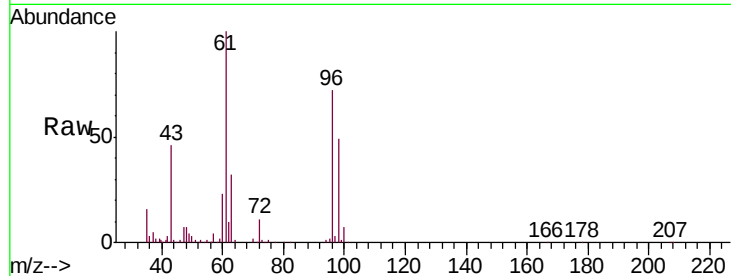


#22

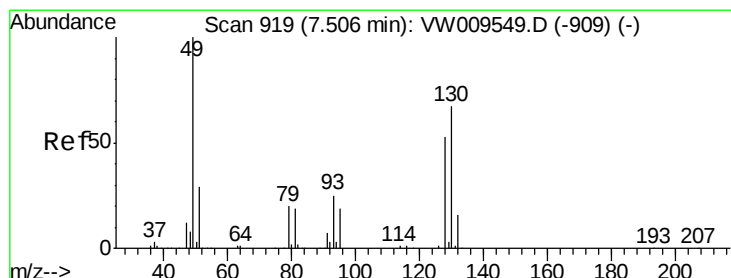
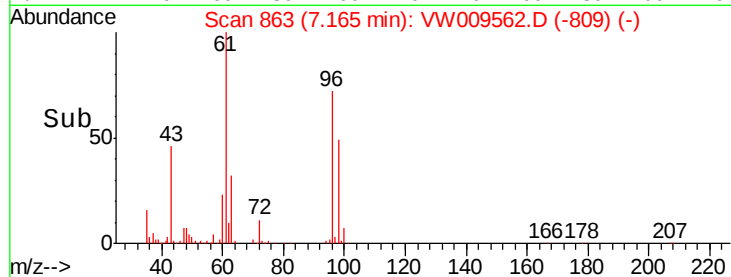
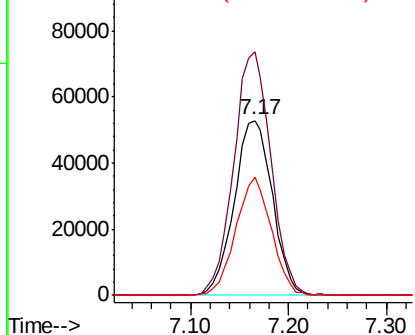
cis-1,2-Dichloroethene
 Concen: 27.629 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion: 96 Resp: 142611
 Ion Ratio Lower Upper
 96 100
 61 139.4 90.6 168.3
 98 67.8 44.0 81.8



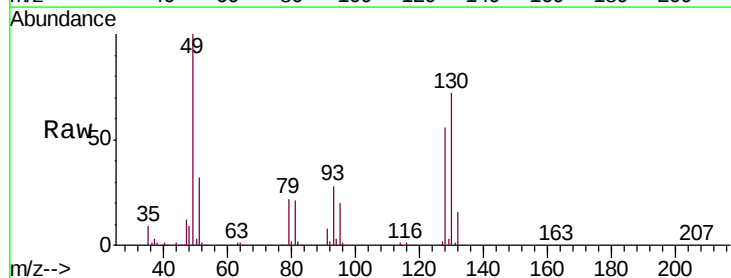
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



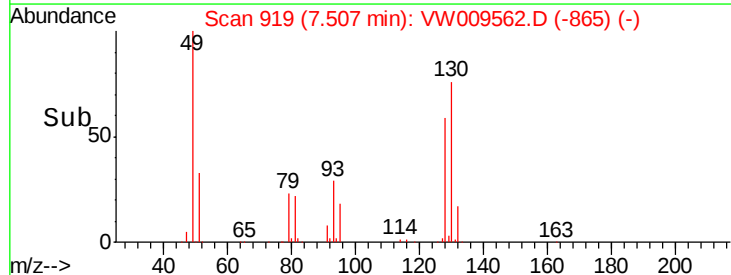
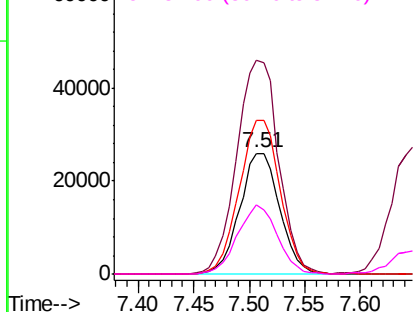
#23

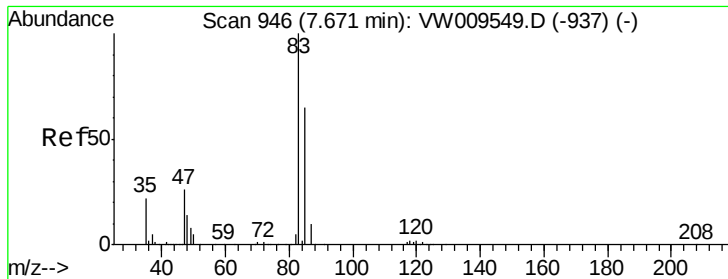
Bromochloromethane
 Concen: 26.267 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Tgt Ion: 128 Resp: 65030
 Ion Ratio Lower Upper
 128 100
 49 177.3 118.4 219.8
 130 127.9 87.8 163.2
 51 57.1 44.6 67.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

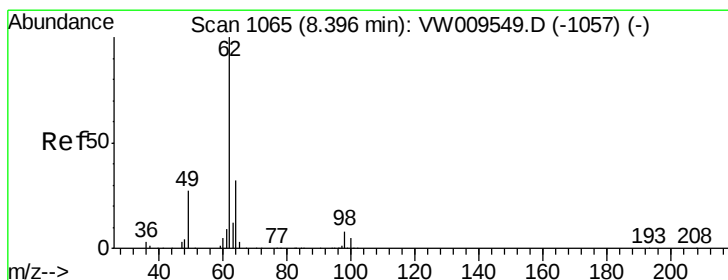
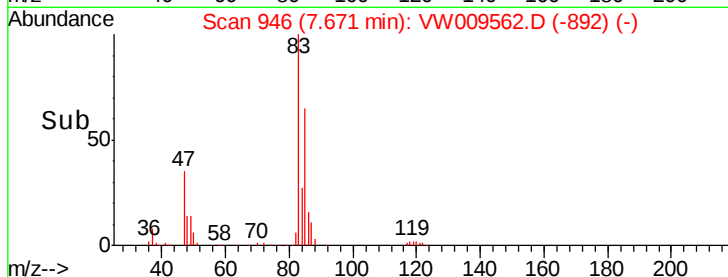
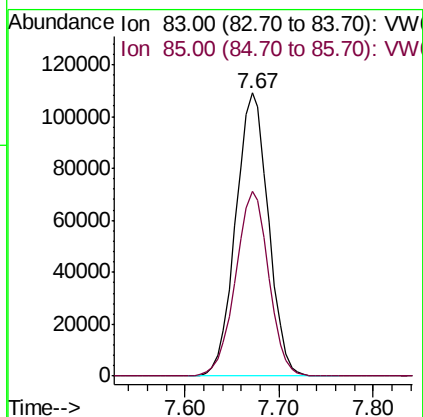
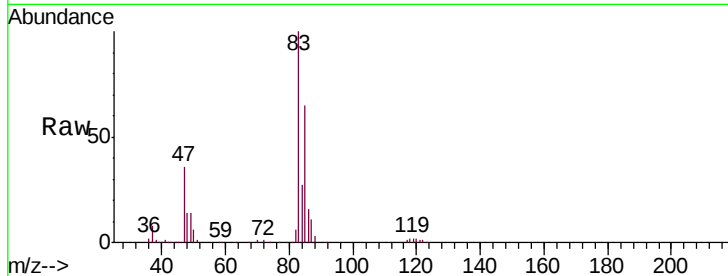




#25
Chloroform
Concen: 29.069 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

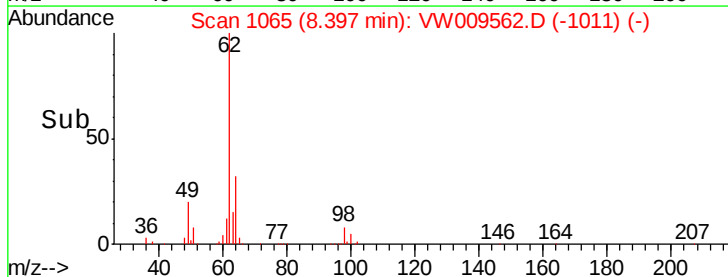
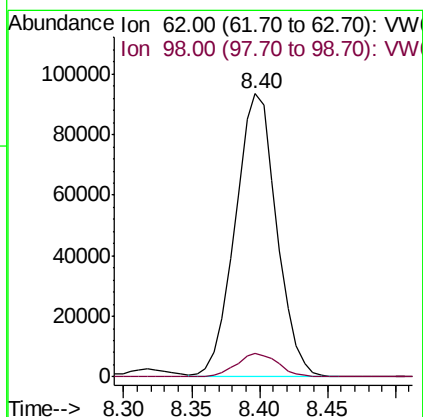
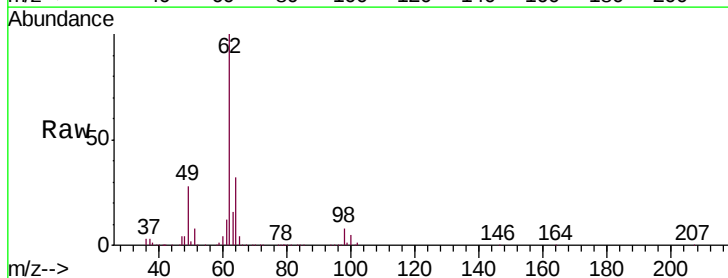
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

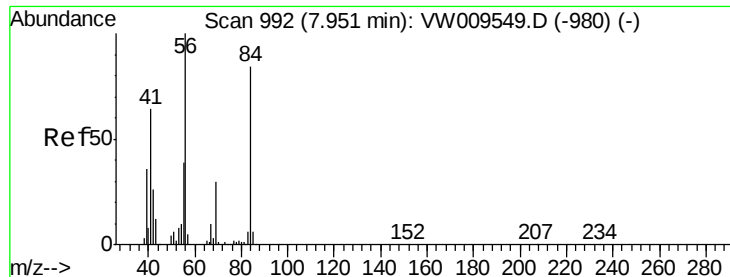
Tgt Ion: 83 Resp: 264482
Ion Ratio Lower Upper
83 100
85 66.1 46.0 85.4



#27
1,2-Dichloroethane
Concen: 29.336 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

Tgt Ion: 62 Resp: 199002
Ion Ratio Lower Upper
62 100
98 8.2 7.3 10.9

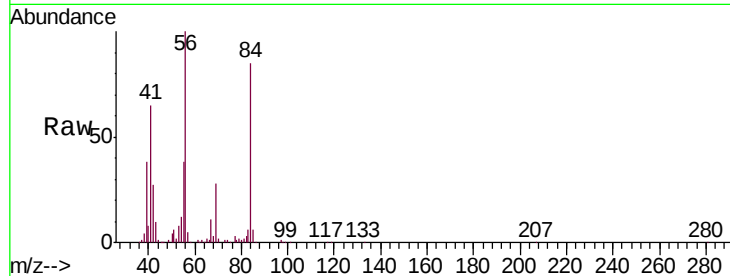




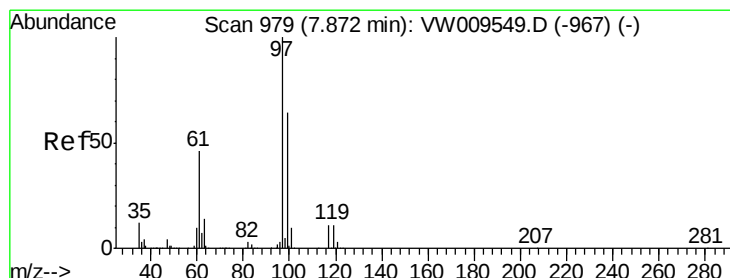
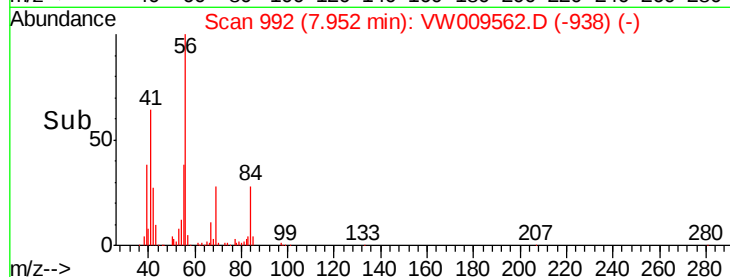
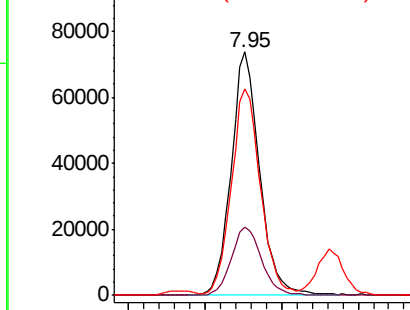
#30
Cyclohexane
Concen: 22.893 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Tgt Ion: 56 Resp: 189682
Ion Ratio Lower Upper
56 100
69 29.9 24.0 36.0
84 87.0 69.2 103.8

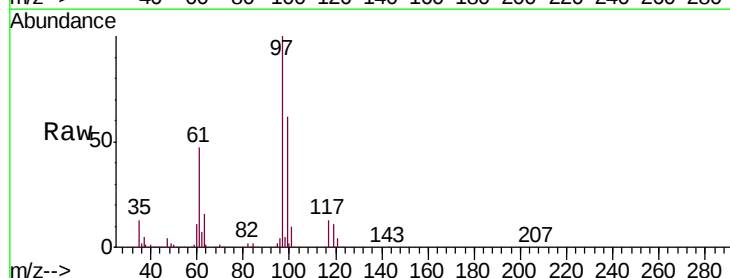


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

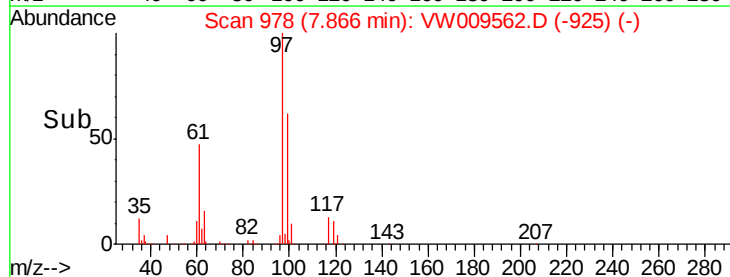
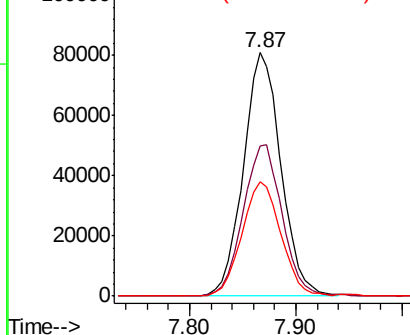


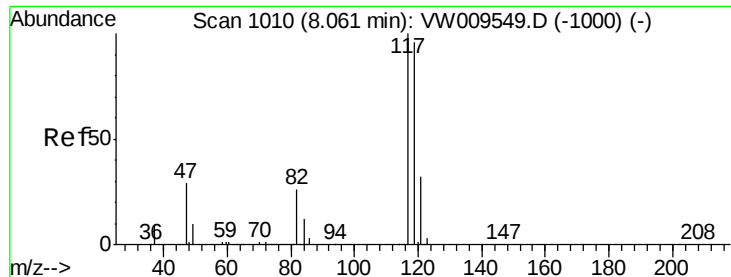
#31
1,1,1-Trichloroethane
Concen: 27.572 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

Tgt Ion: 97 Resp: 200908
Ion Ratio Lower Upper
97 100
99 64.1 51.2 76.8
61 48.5 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.881 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

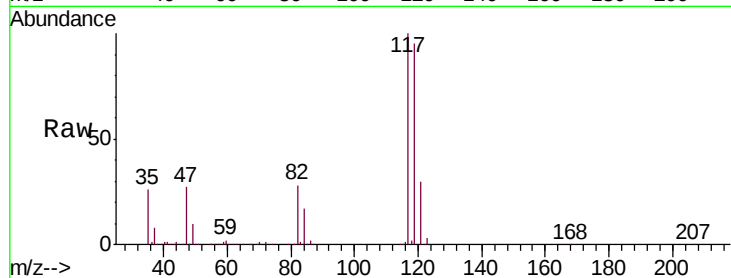
VSTD02503

Tgt Ion:117 Resp: 197621

Ion Ratio Lower Upper

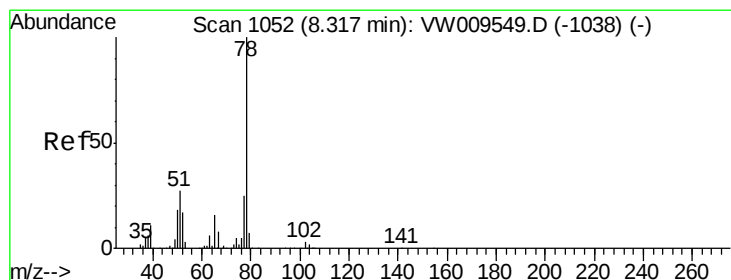
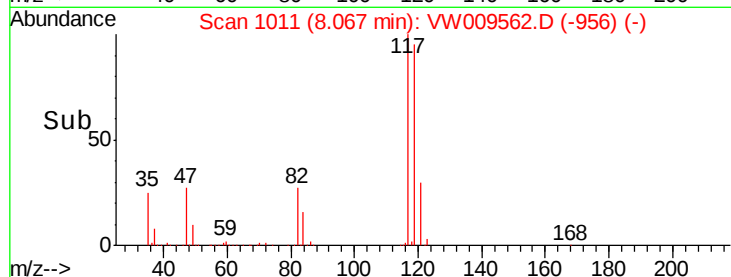
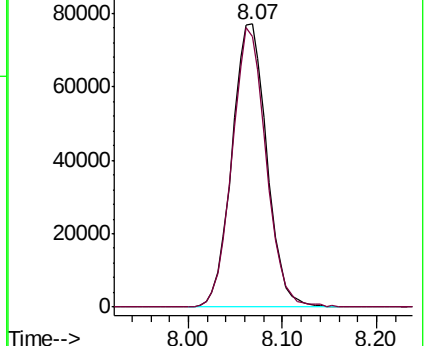
117 100

119 96.2 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.781 ug/L

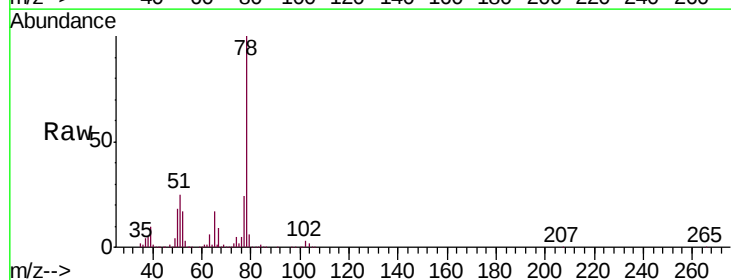
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

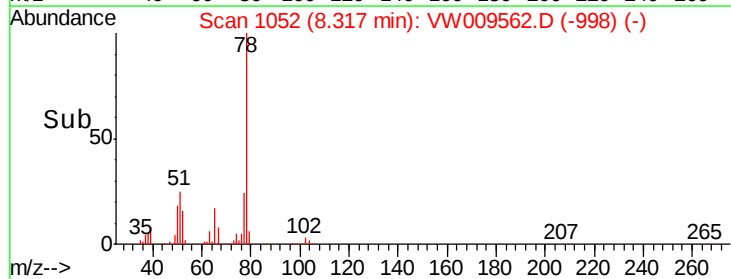
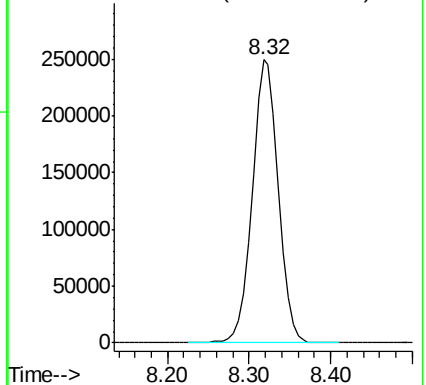
Lab File: VW009562.D

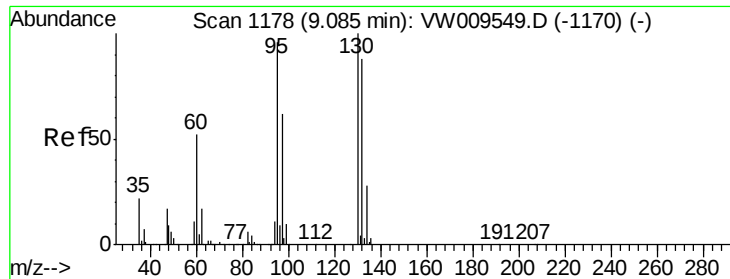
Acq: 29 Mar 2019 03:34

Tgt Ion: 78 Resp: 554752



Abundance Ion 78.00 (77.70 to 78.70): VW

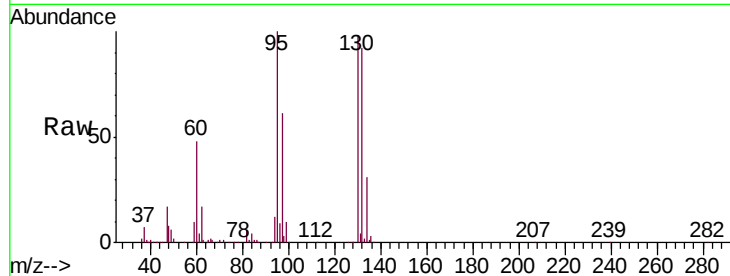




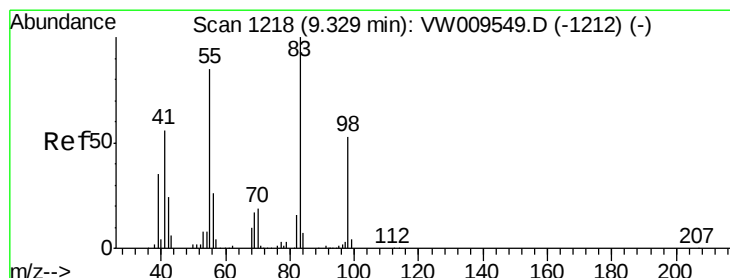
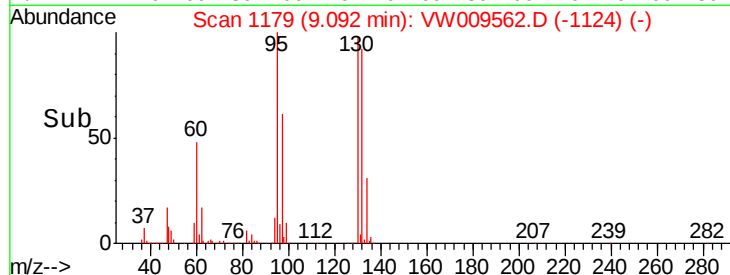
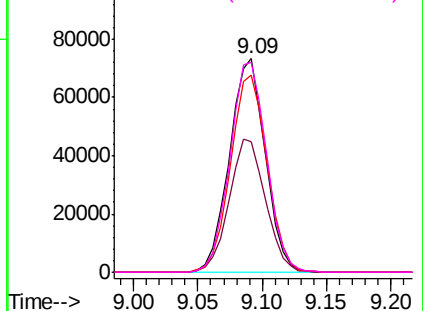
#35
 Trichloroethene
 Concen: 26.627 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

Tgt Ion: 95 Resp: 141680
 Ion Ratio Lower Upper
 95 100
 97 63.2 44.7 82.9
 132 94.0 69.0 128.2
 130 100.5 72.7 134.9

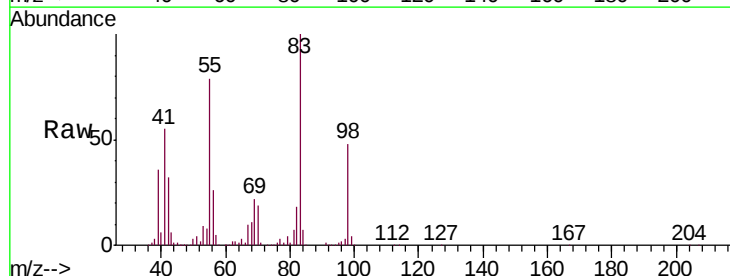


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

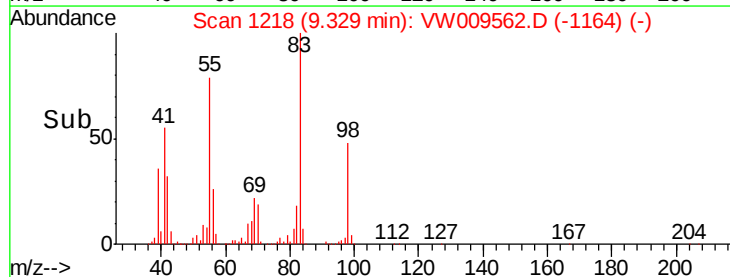
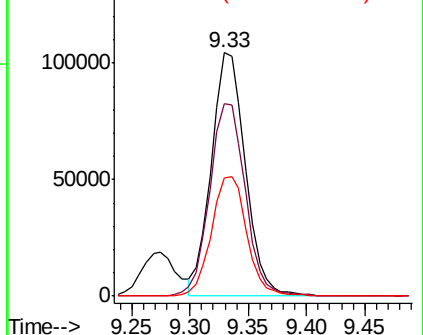


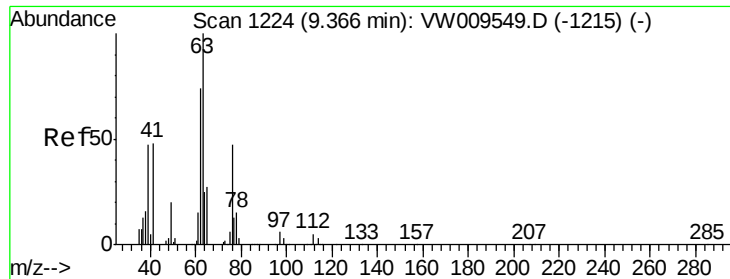
#36
 Methylcyclohexane
 Concen: 22.890 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Tgt Ion: 83 Resp: 210718
 Ion Ratio Lower Upper
 83 100
 55 82.6 63.5 95.3
 98 51.1 39.8 59.8



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

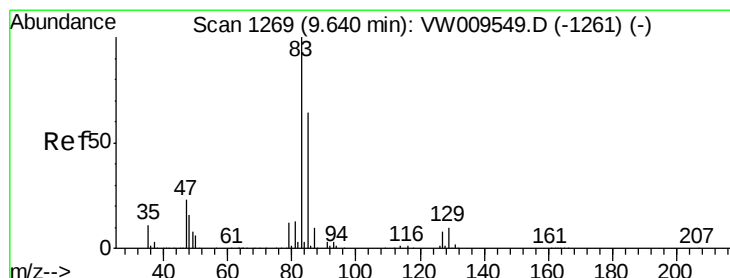
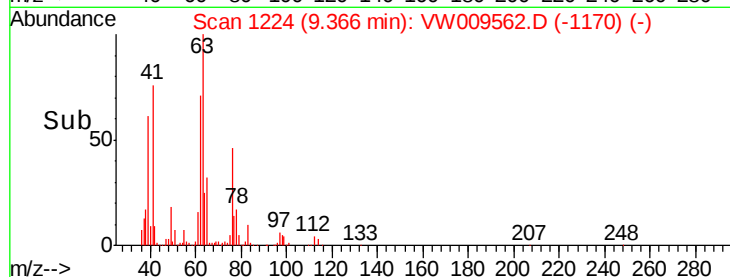
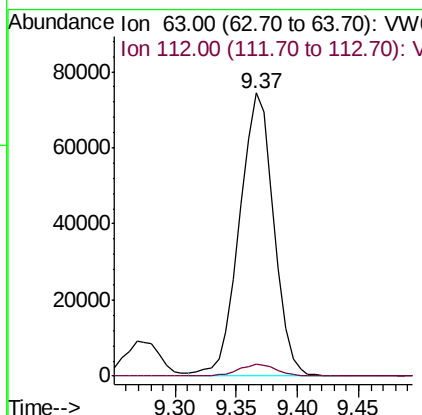
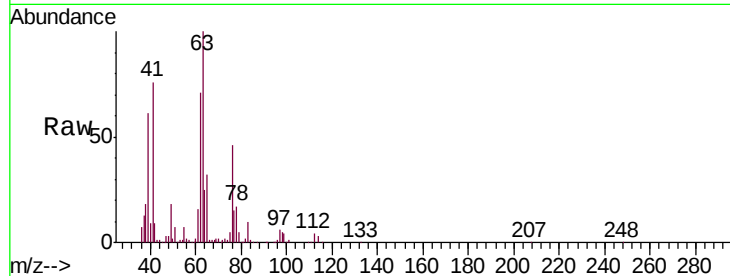




#40
 1,2-Dichloropropane
 Concen: 28.320 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

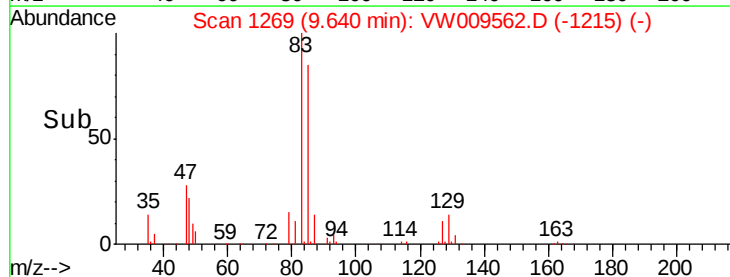
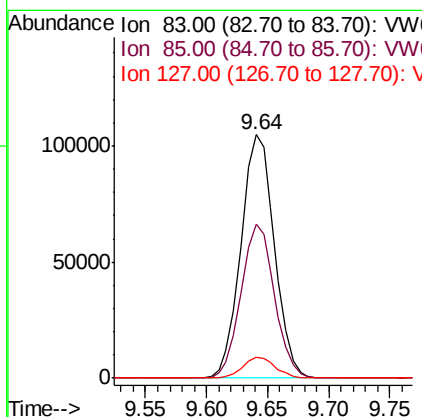
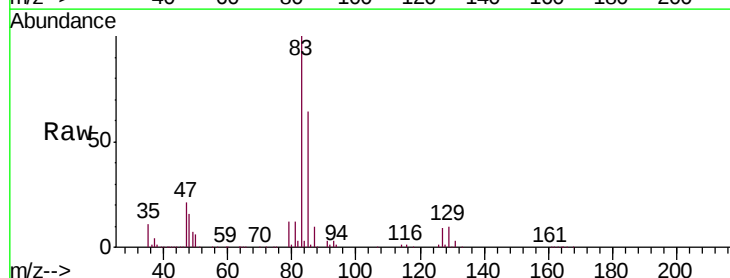
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

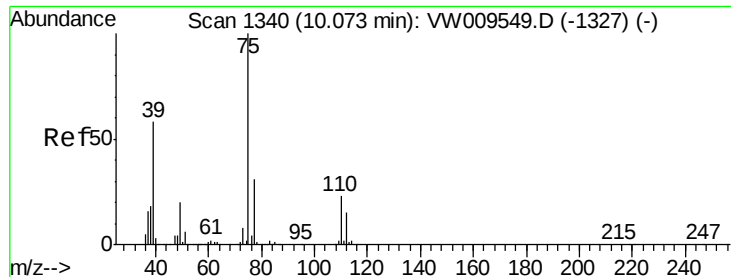
Tgt Ion: 63 Resp: 145116
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.0 6.0



#41
 Bromodichloromethane
 Concen: 28.052 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Tgt Ion: 83 Resp: 199165
 Ion Ratio Lower Upper
 83 100
 85 63.5 43.5 80.7
 127 8.6 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 25.876 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

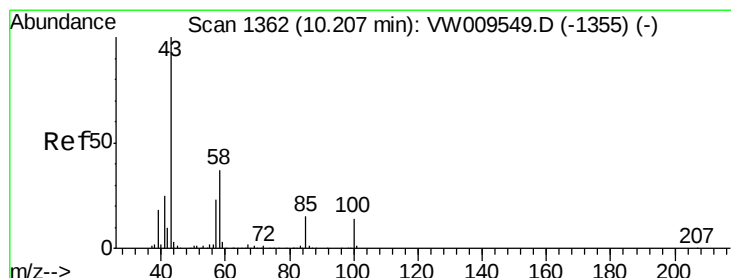
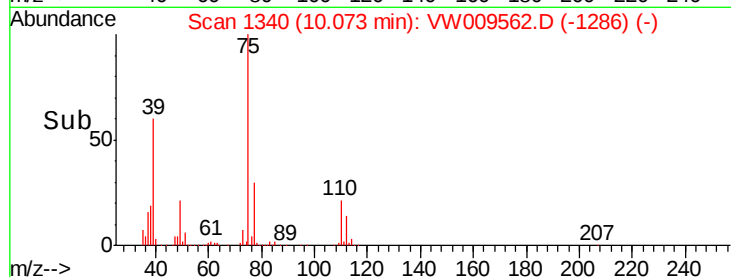
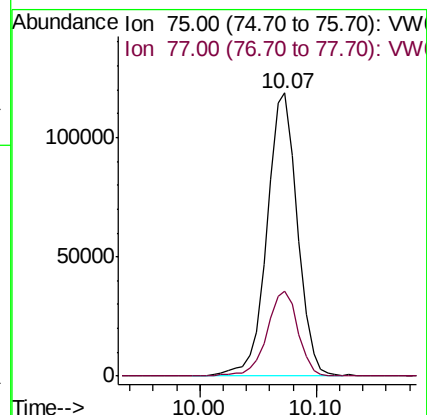
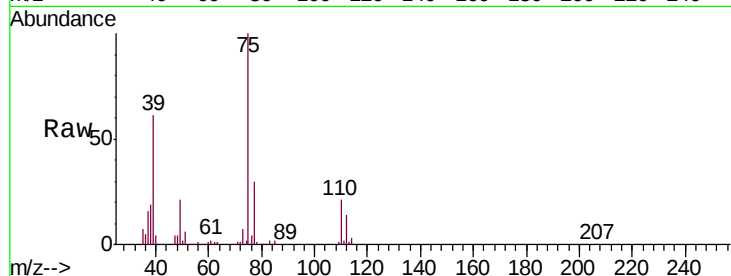
VSTD02503

Tgt Ion: 75 Resp: 215959

Ion Ratio Lower Upper

75 100

77 29.9 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 45.270 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

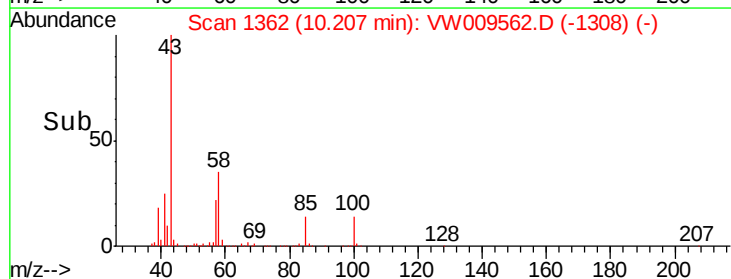
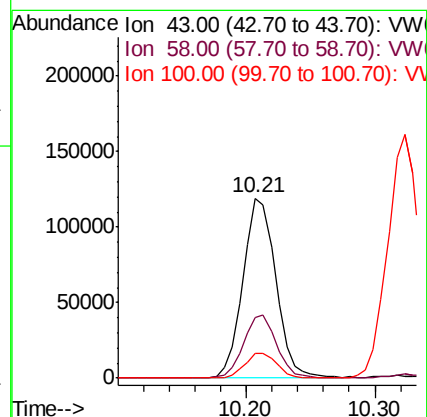
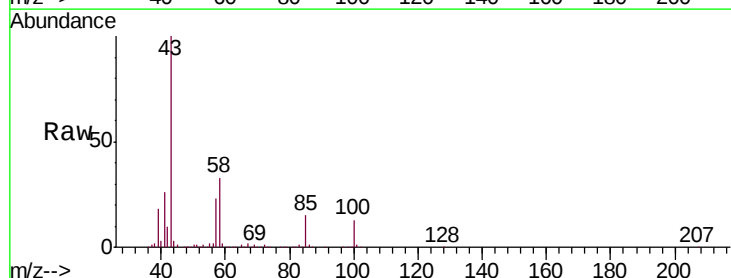
Tgt Ion: 43 Resp: 210199

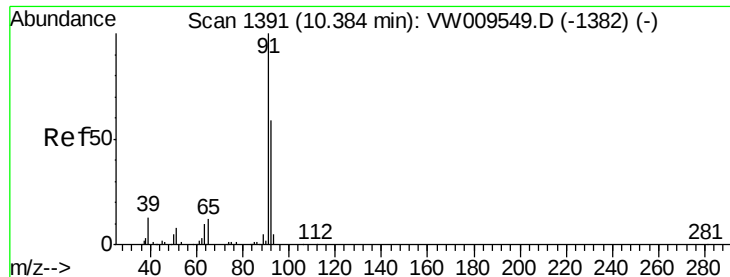
Ion Ratio Lower Upper

43 100

58 35.0 28.2 42.2

100 13.8 11.4 17.2





#44

Toluene

Concen: 27.621 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

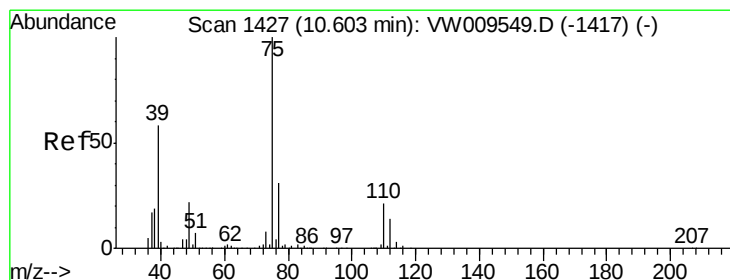
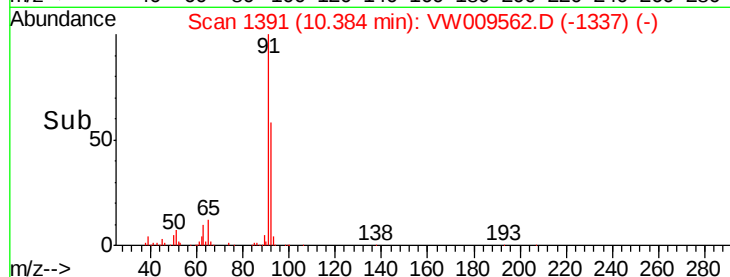
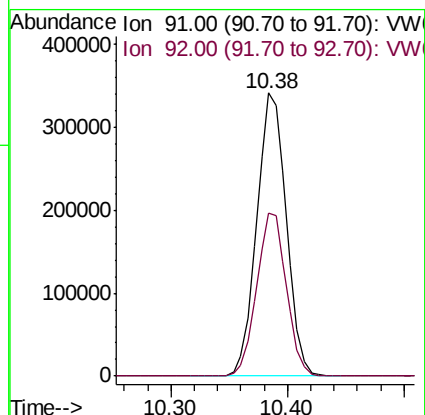
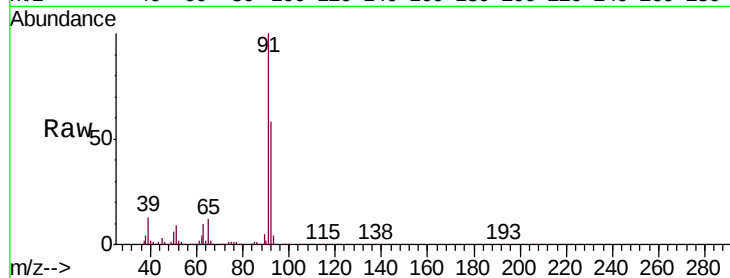
VSTD02503

Tgt Ion: 91 Resp: 603053

Ion Ratio Lower Upper

91 100

92 57.6 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 25.411 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009562.D

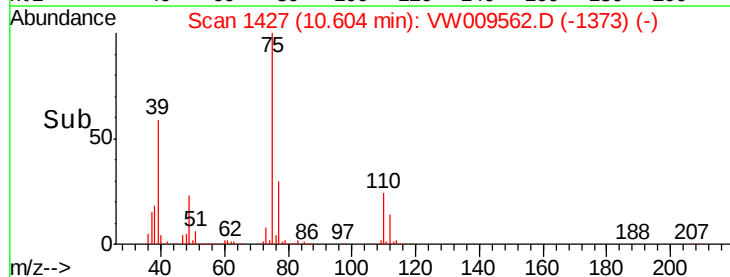
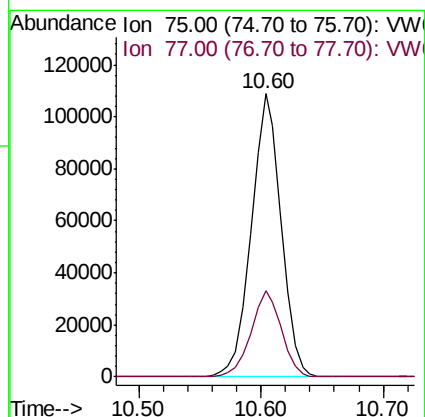
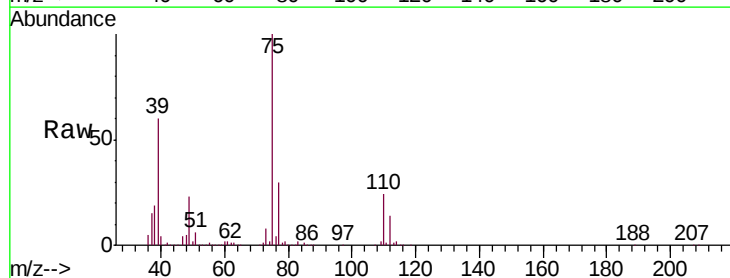
Acq: 29 Mar 2019 03:34

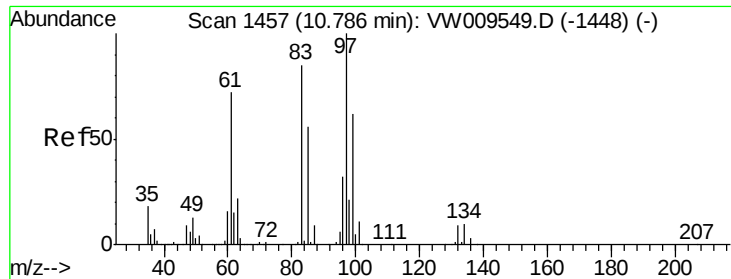
Tgt Ion: 75 Resp: 184487

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 26.363 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 97 Resp: 107773

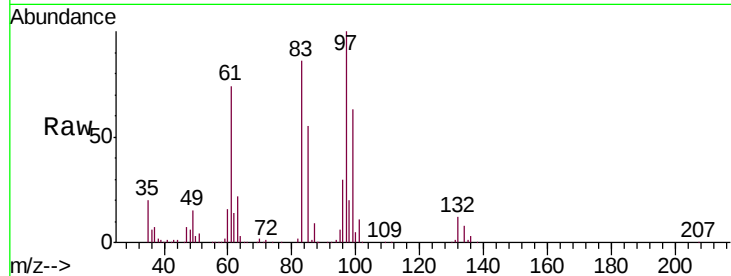
Ion Ratio Lower Upper

97 100

83 86.5 60.7 112.7

85 55.3 40.1 74.5

99 62.7 43.8 81.3



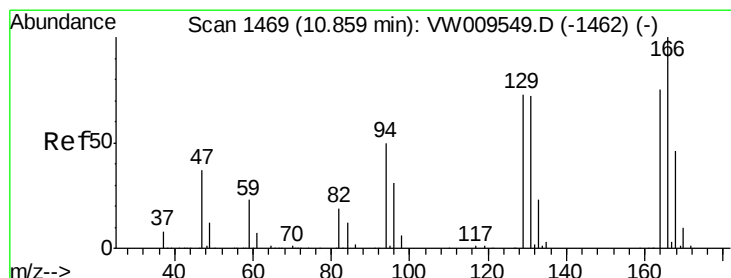
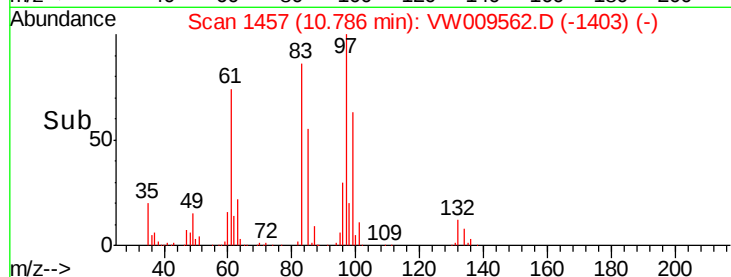
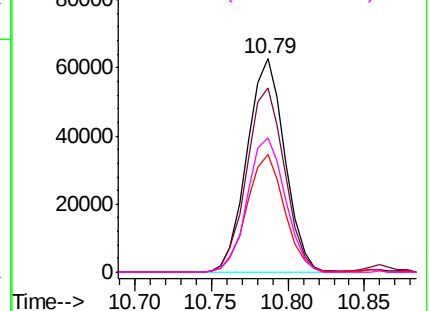
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.573 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Tgt Ion: 164 Resp: 110480

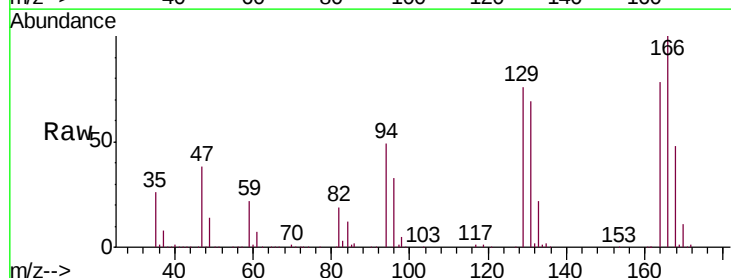
Ion Ratio Lower Upper

164 100

129 97.2 66.5 123.5

131 88.9 62.6 116.3

166 128.5 91.6 170.0



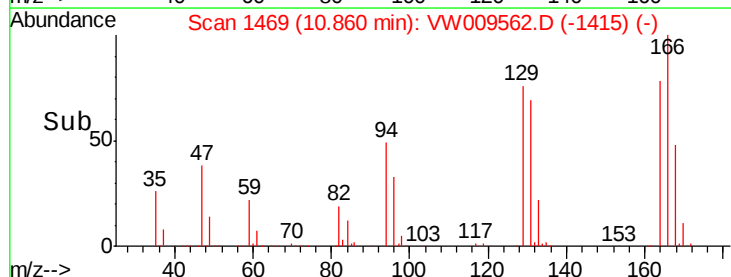
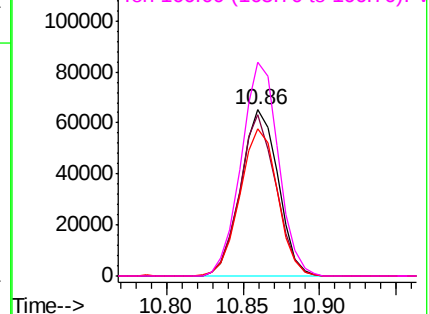
Abundance

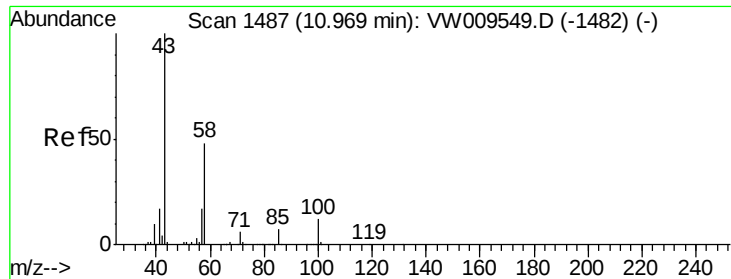
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 46.008 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 43 Resp: 150461

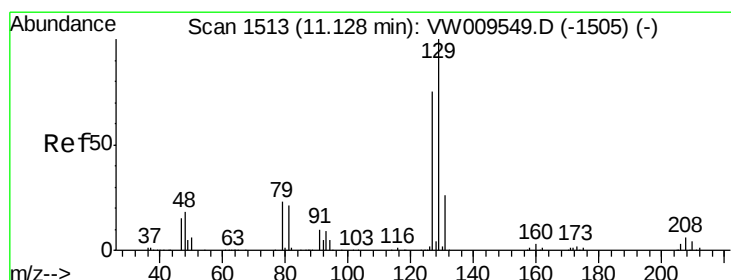
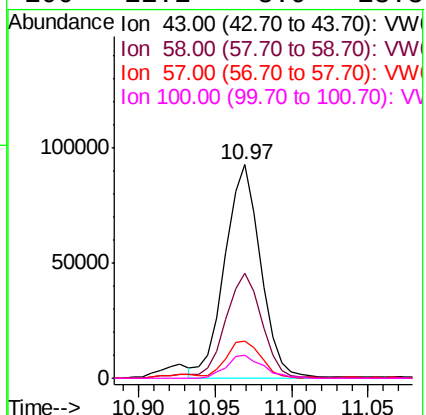
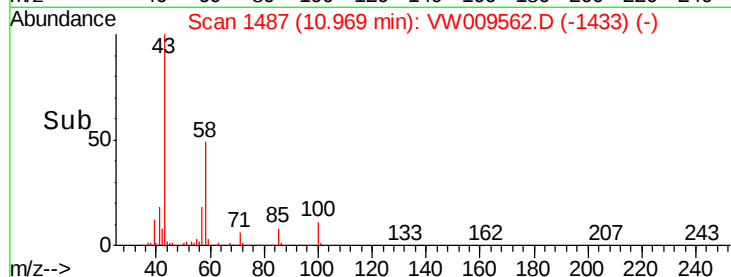
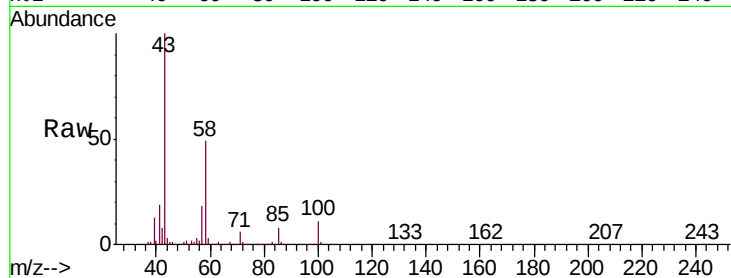
Ion Ratio Lower Upper

43 100

58 49.5 39.2 58.8

57 17.3 14.2 21.2

100 11.1 8.9 13.3



#50

Dibromochloromethane

Concen: 26.407 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009562.D

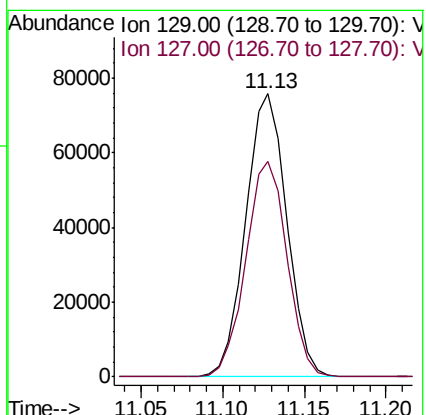
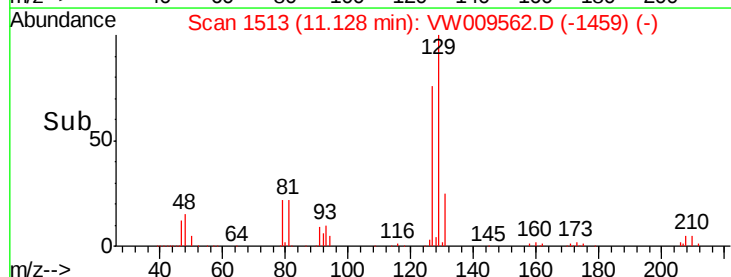
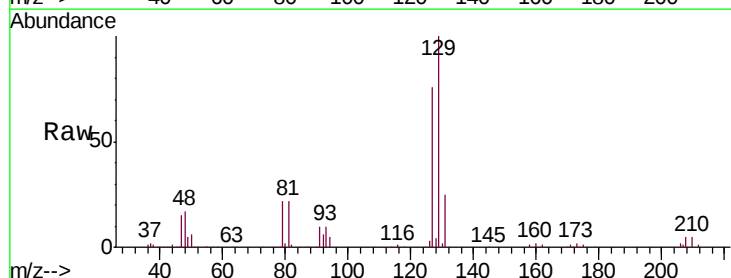
Acq: 29 Mar 2019 03:34

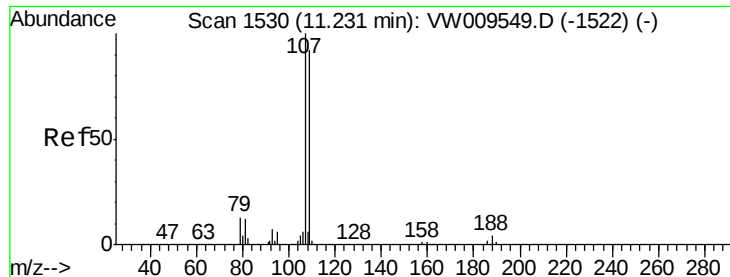
Tgt Ion: 129 Resp: 133263

Ion Ratio Lower Upper

129 100

127 76.4 56.8 105.6

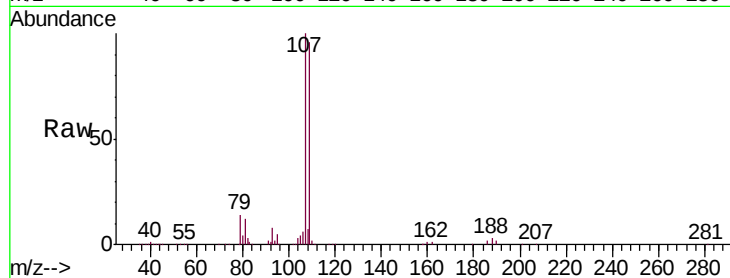




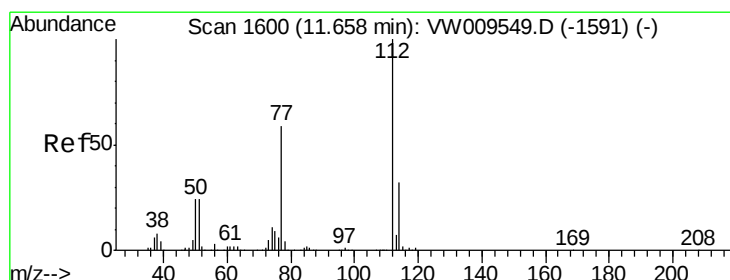
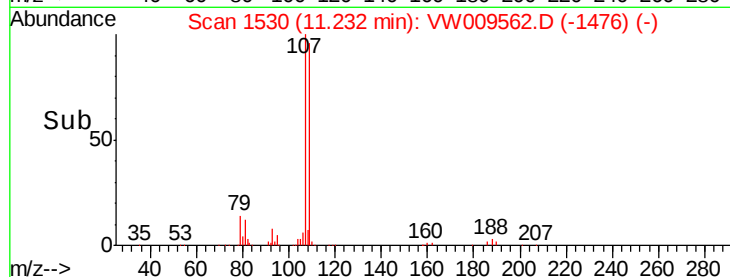
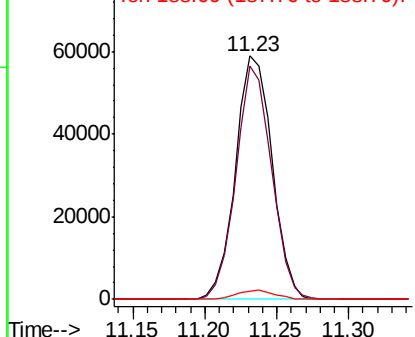
#51
1,2-Dibromoethane
Concen: 25.185 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Tgt Ion:107 Resp: 104372
Ion Ratio Lower Upper
107 100
109 95.9 68.0 126.4
188 3.4 3.5 5.3#

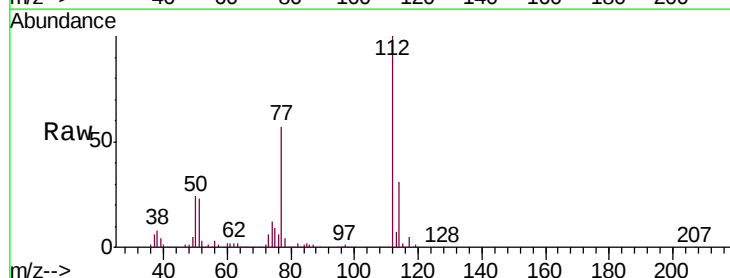


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

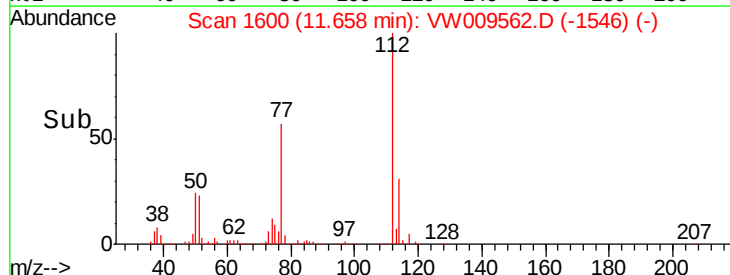
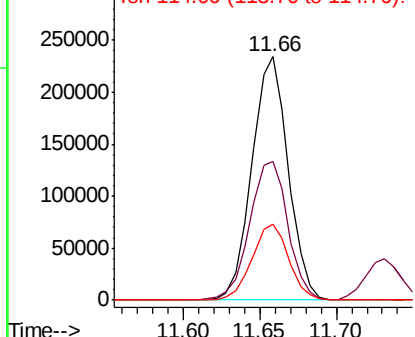


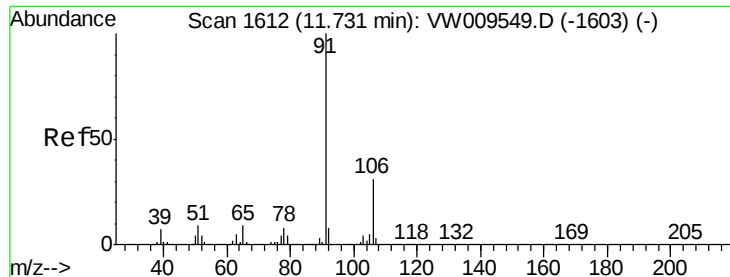
#52
Chlorobenzene
Concen: 27.598 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009562.D
Acq: 29 Mar 2019 03:34

Tgt Ion:112 Resp: 386458
Ion Ratio Lower Upper
112 100
77 57.0 45.7 68.5
114 31.3 22.8 42.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.832 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

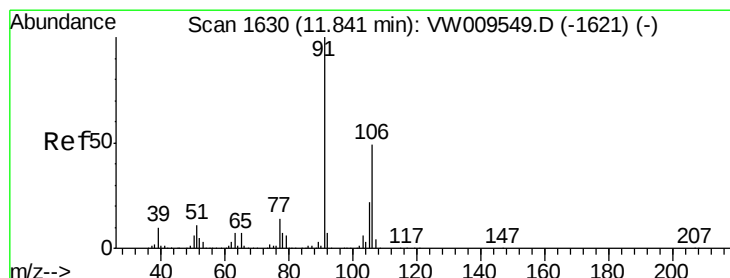
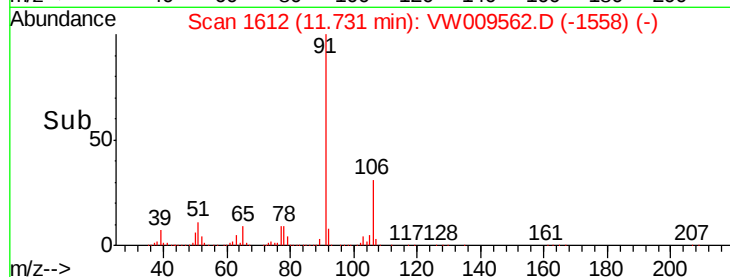
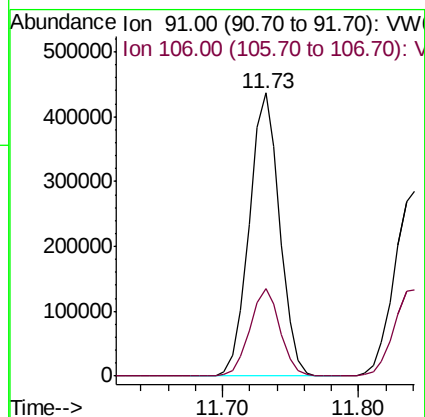
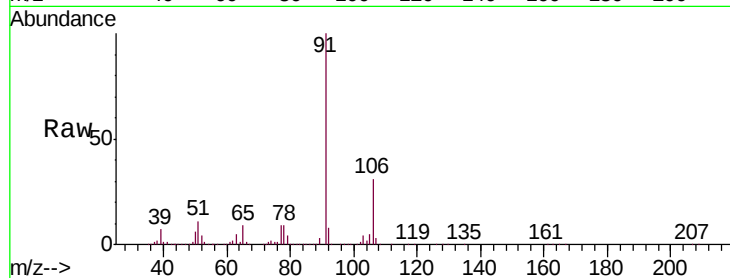
VSTD02503

Tgt Ion: 91 Resp: 683168

Ion Ratio Lower Upper

91 100

106 30.9 21.0 39.0



#54

m,p-Xylene

Concen: 27.129 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009562.D

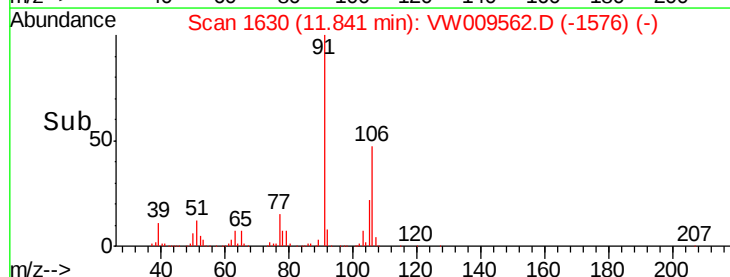
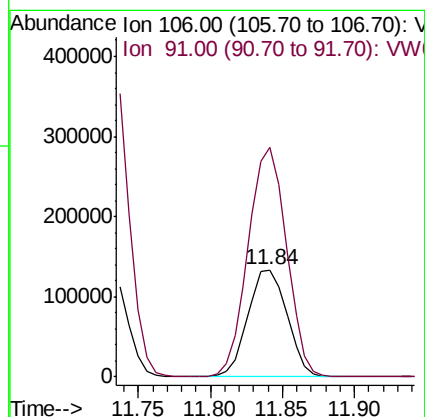
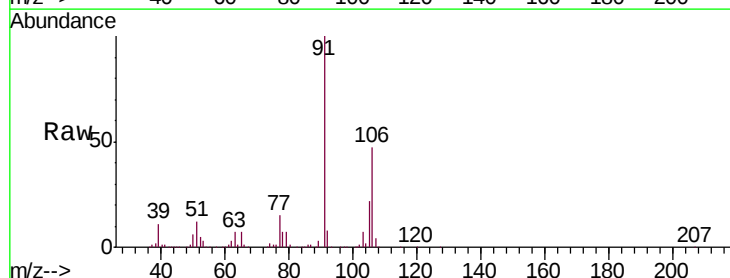
Acq: 29 Mar 2019 03:34

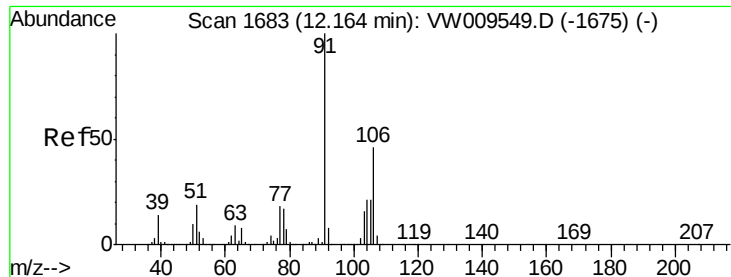
Tgt Ion: 106 Resp: 252999

Ion Ratio Lower Upper

106 100

91 214.3 138.4 257.0





#55

o-xylene

Concen: 27.240 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

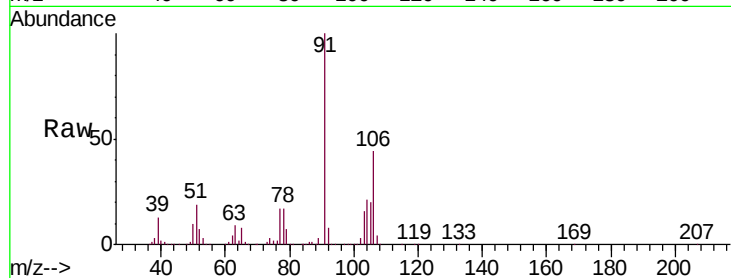
VSTD02503

Tgt Ion:106 Resp: 247822

Ion Ratio Lower Upper

106 100

91 229.5 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

300000

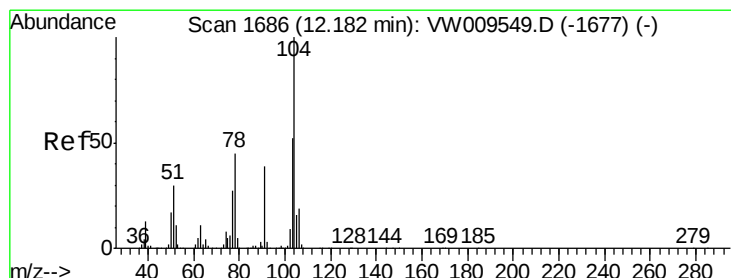
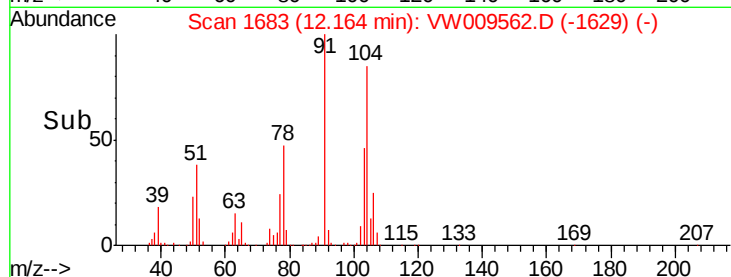
200000

100000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 28.615 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009562.D

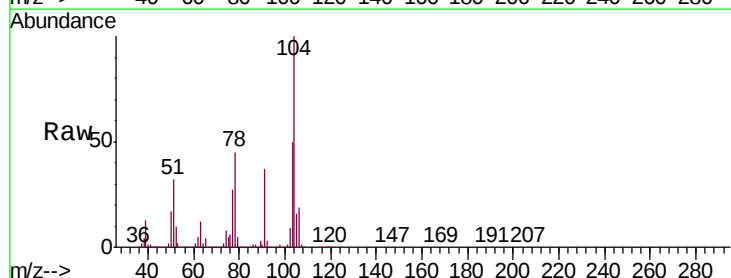
Acq: 29 Mar 2019 03:34

Tgt Ion:104 Resp: 444183

Ion Ratio Lower Upper

104 100

78 45.0 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

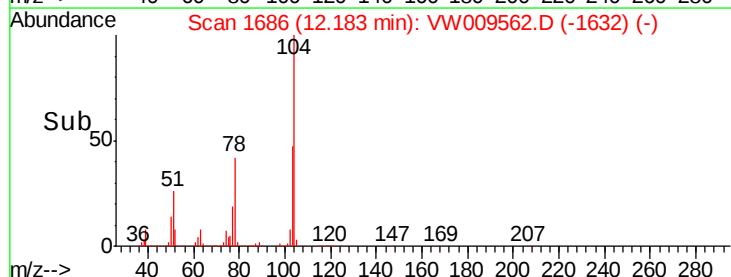
100000

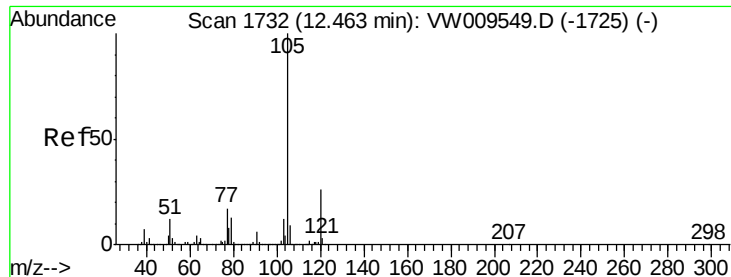
50000

0

12.10 12.15 12.20

Time-->





#57

Isopropylbenzene

Concen: 27.630 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleID :

VSTD02503

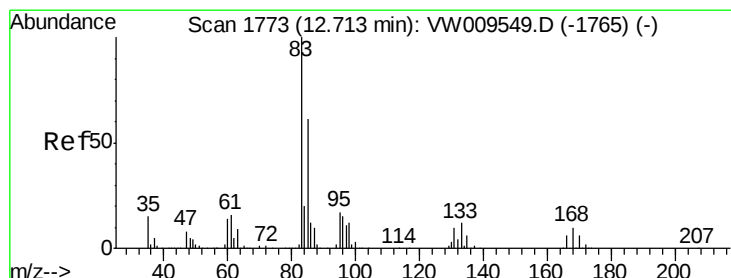
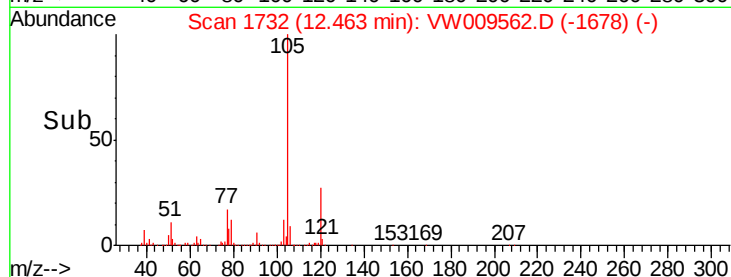
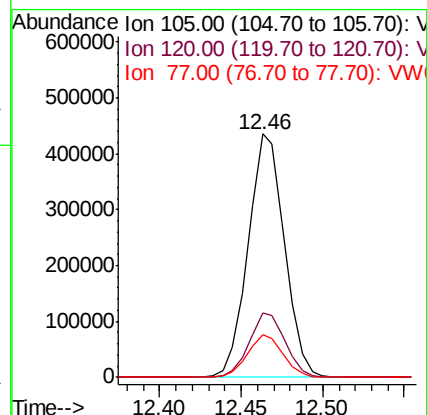
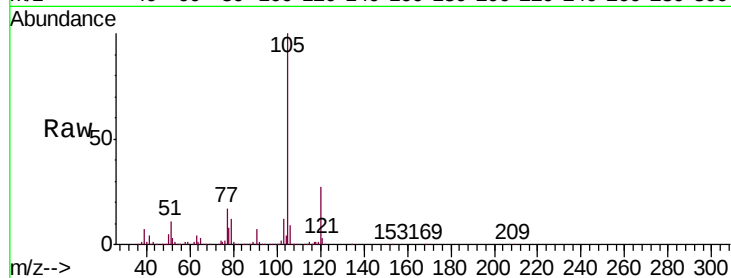
Tgt Ion: 105 Resp: 673376

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

77 17.0 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 26.071 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

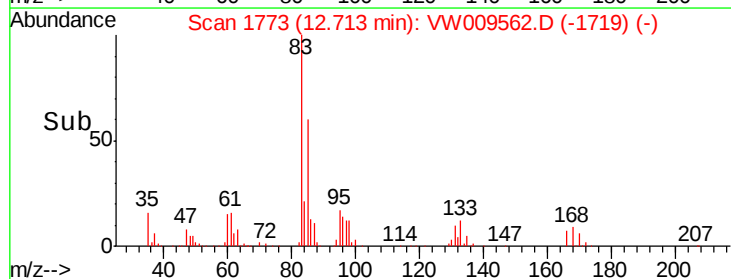
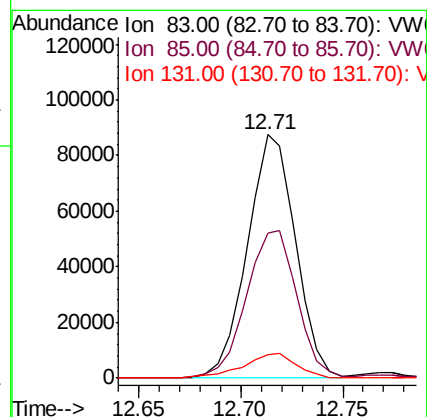
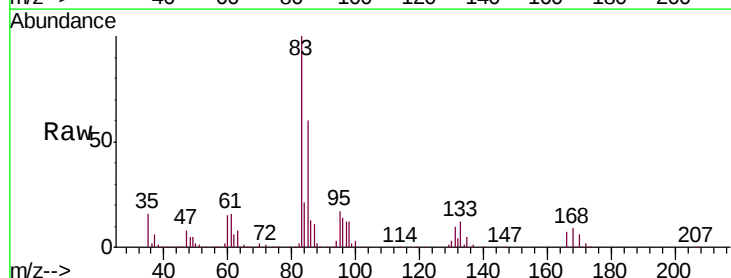
Tgt Ion: 83 Resp: 143783

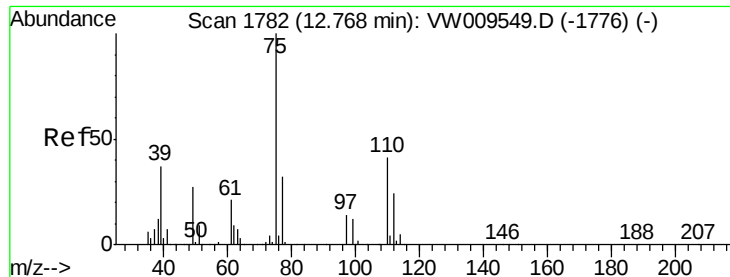
Ion Ratio Lower Upper

83 100

85 59.7 45.6 84.8

131 9.7 9.2 13.8





#59

1,2,3-Trichloropropane

Concen: 24.923 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

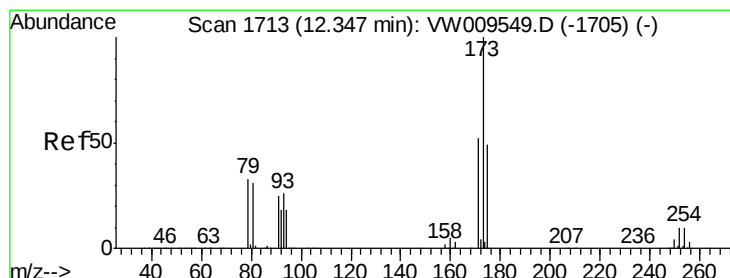
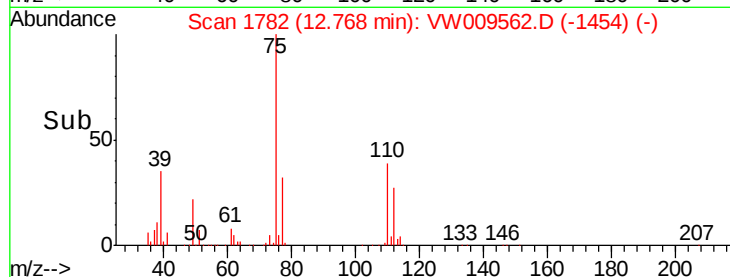
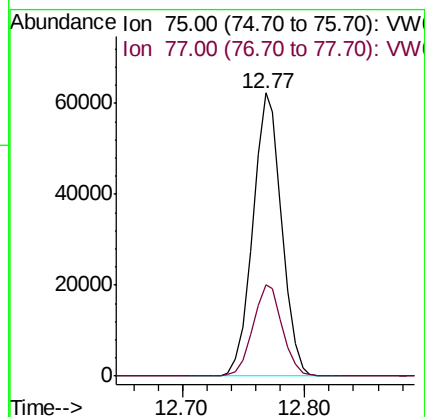
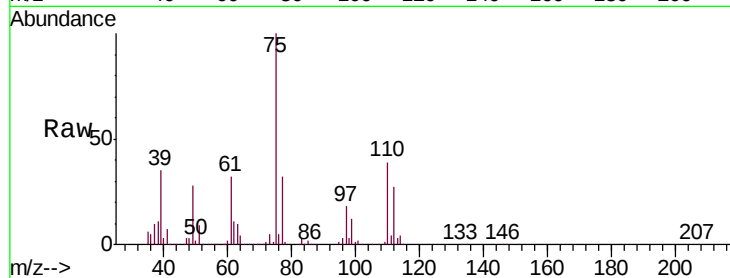
VSTD02503

Tgt Ion: 75 Resp: 102008

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2



#62

Bromoform

Concen: 25.128 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

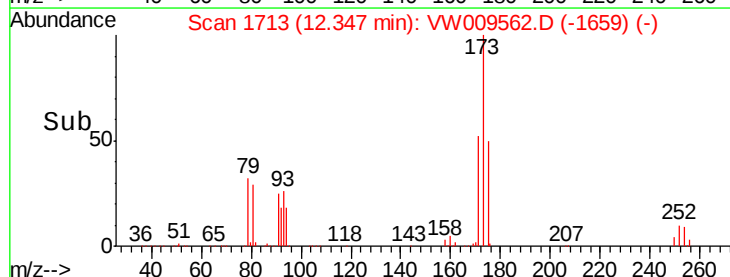
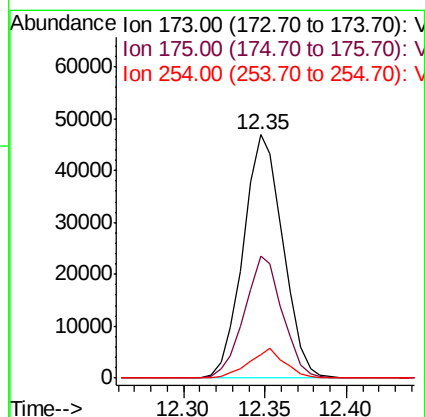
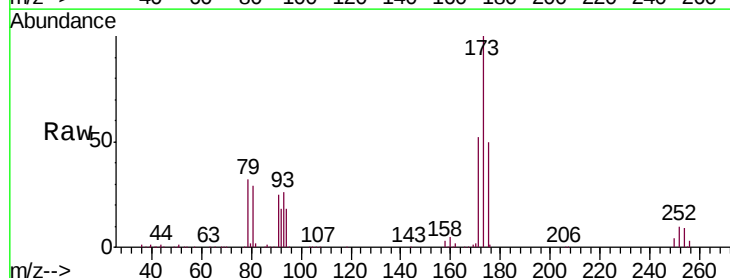
Tgt Ion: 173 Resp: 79520

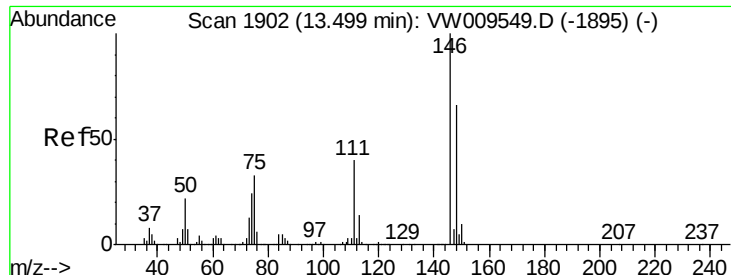
Ion Ratio Lower Upper

173 100

175 48.3 39.7 59.5

254 10.8 8.5 12.7

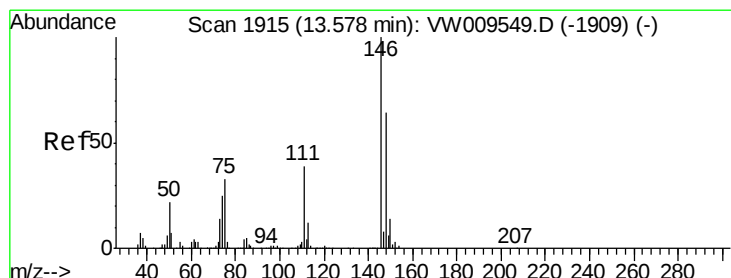
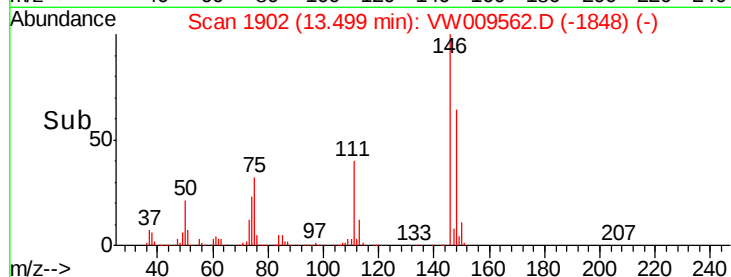
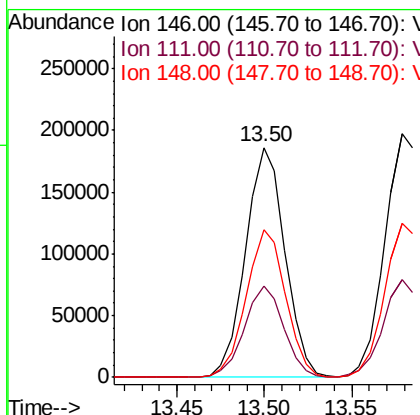
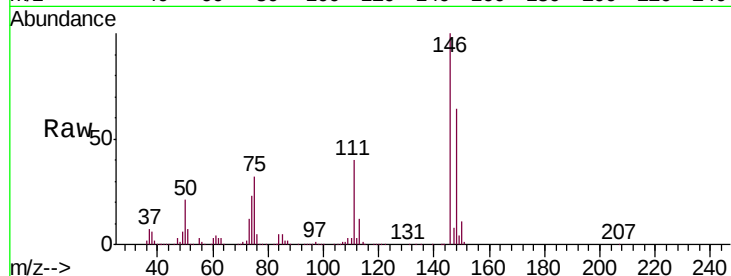




#63
 1,3-Dichlorobenzene
 Concen: 26.199 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

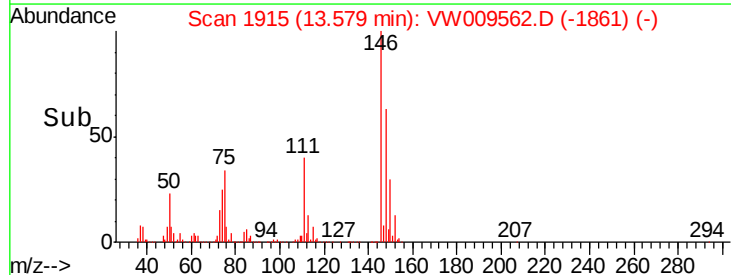
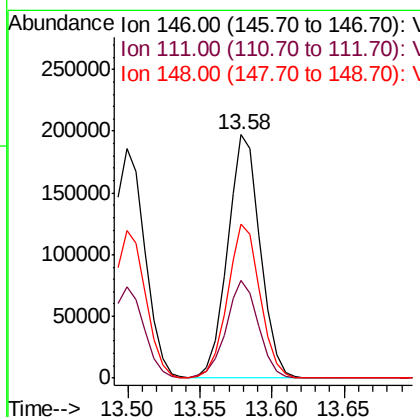
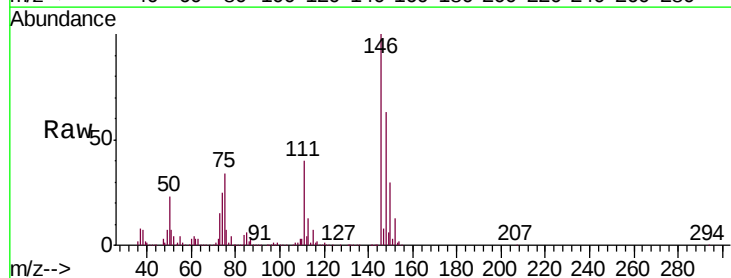
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

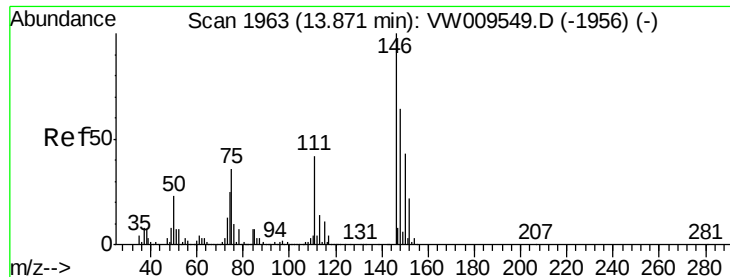
Tgt Ion:146 Resp: 292438
 Ion Ratio Lower Upper
 146 100
 111 39.9 26.9 49.9
 148 64.4 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 27.004 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Tgt Ion:146 Resp: 311646
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.8 51.6
 148 63.1 46.3 86.1

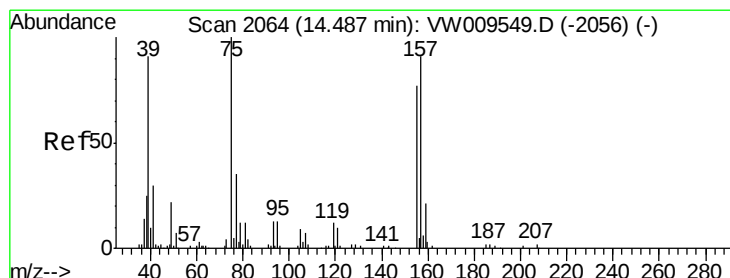
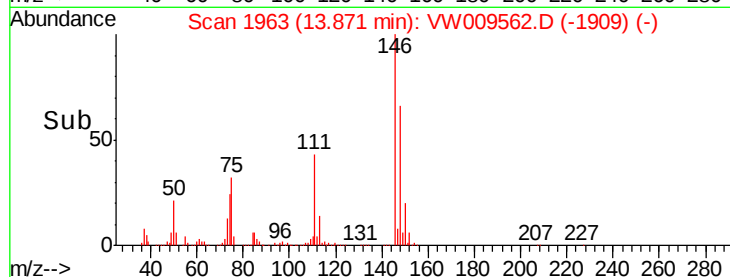
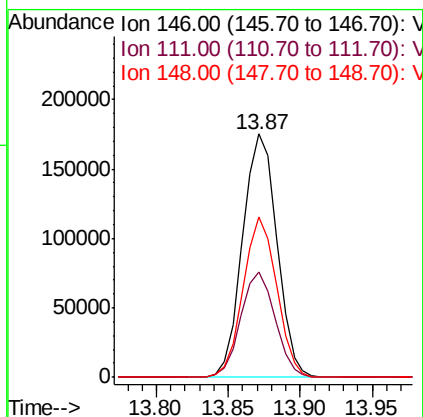
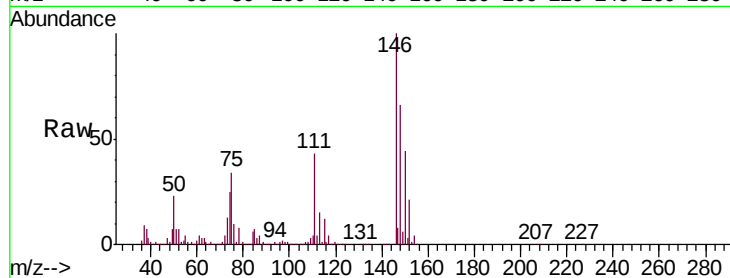




#65
 1,2-Dichlorobenzene
 Concen: 27.185 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

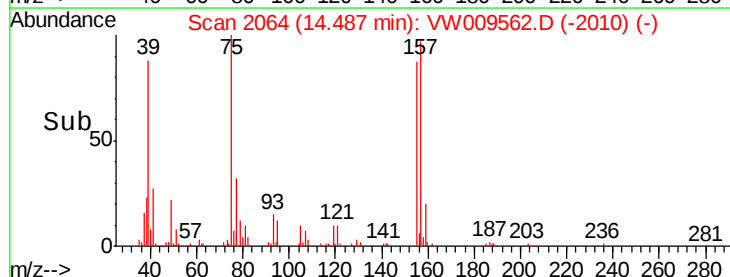
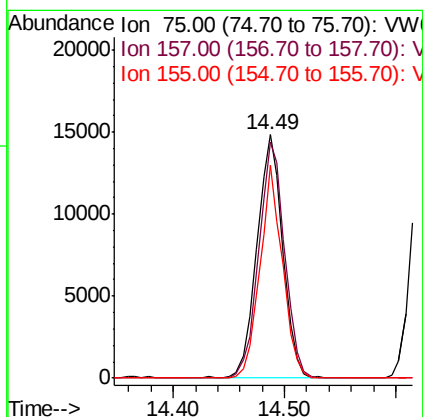
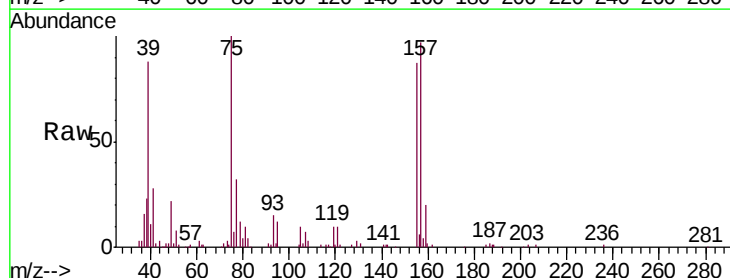
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

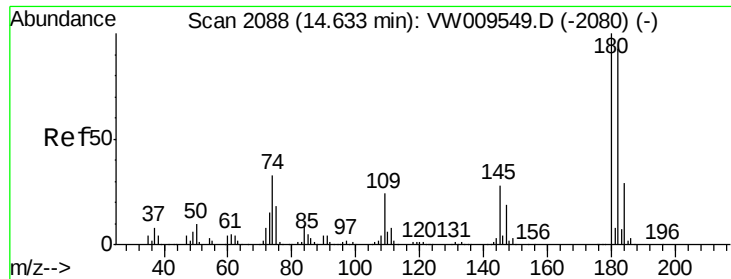
Tgt Ion: 146 Resp: 289387
 Ion Ratio Lower Upper
 146 100
 111 43.5 33.5 50.3
 148 65.7 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.866 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Tgt Ion: 75 Resp: 23856
 Ion Ratio Lower Upper
 75 100
 157 96.7 89.0 133.4
 155 87.3 64.2 96.2

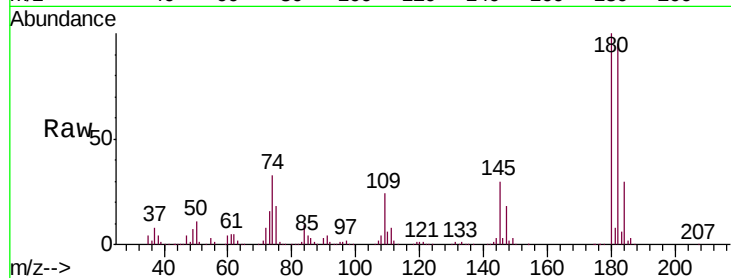




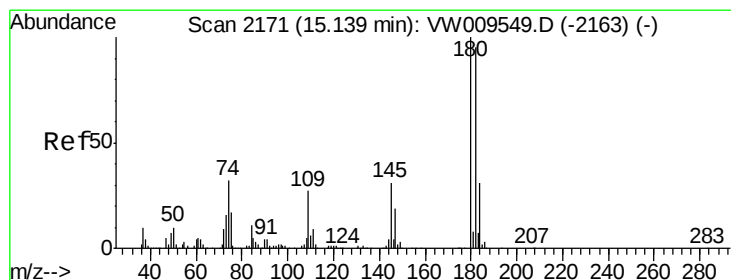
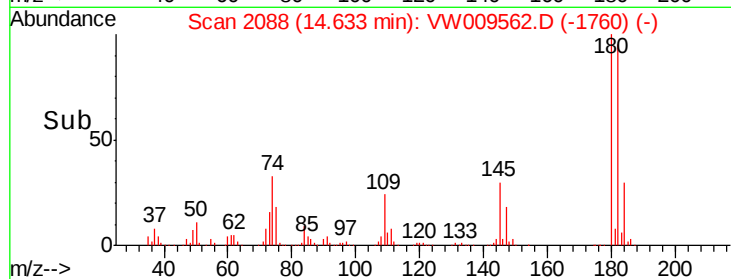
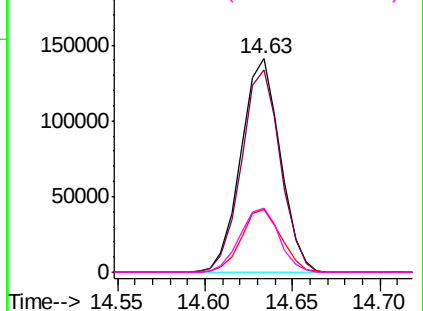
#67
 1,3,5-Trichlorobenzene
 Concen: 25.299 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion:180 Resp: 220264
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.1 114.1
 184 30.0 23.8 35.6
 145 30.2 23.4 35.2

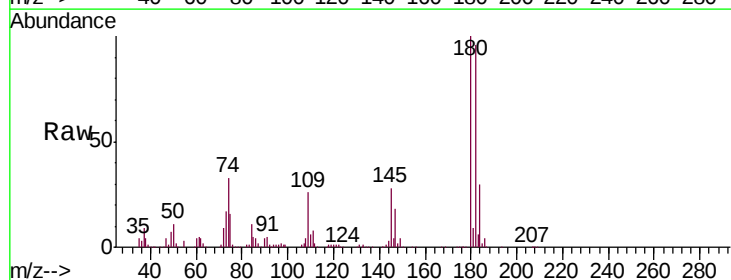


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

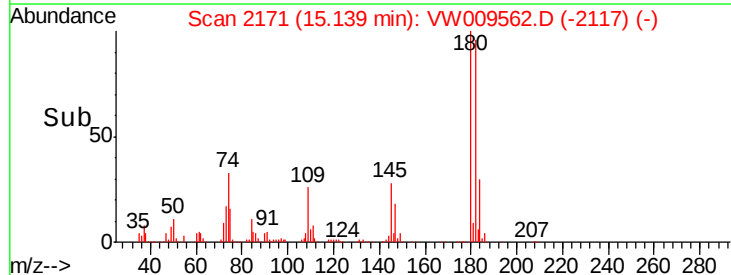
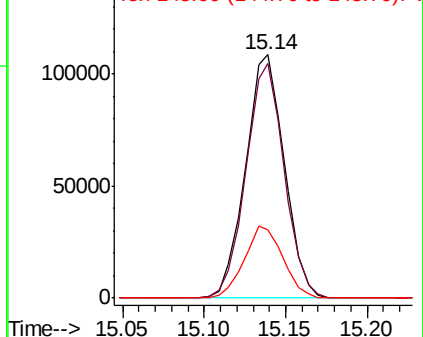


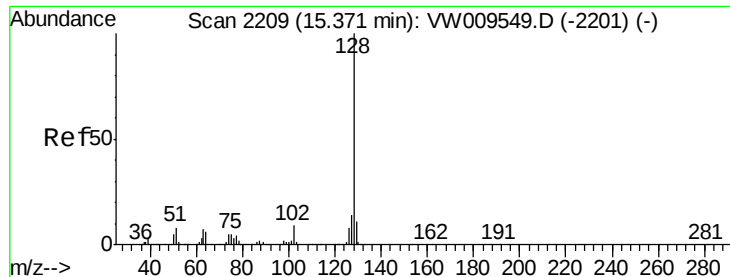
#68
 1,2,4-trichlorobenzene
 Concen: 24.556 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009562.D
 Acq: 29 Mar 2019 03:34

Tgt Ion:180 Resp: 179589
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.5 113.3
 145 29.5 24.1 36.1



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





#69

Naphthalene

Concen: 24.081 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

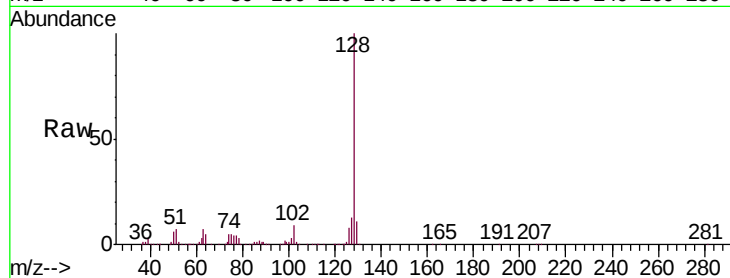
Tgt Ion:128 Resp: 365120

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

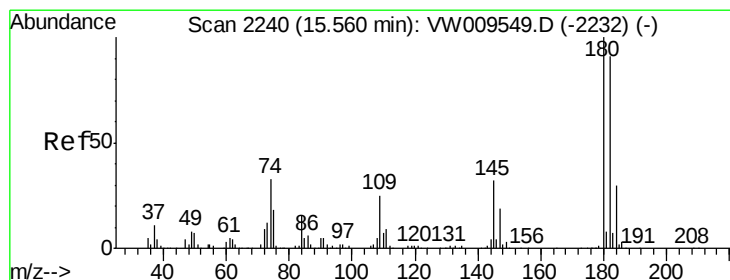
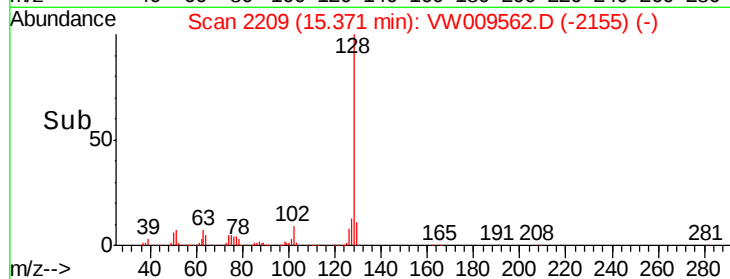
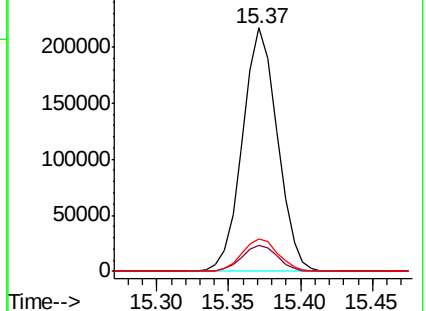
127 13.6 11.1 16.7



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: 26.227 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009562.D

Acq: 29 Mar 2019 03:34

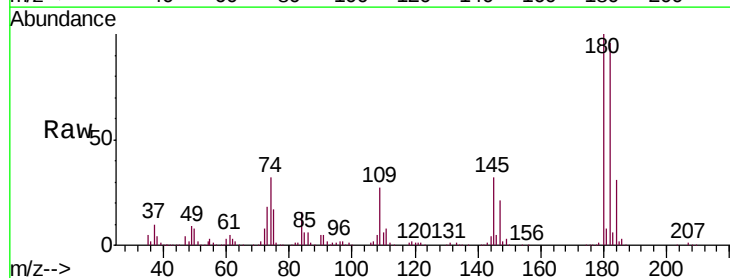
Tgt Ion:180 Resp: 179651

Ion Ratio Lower Upper

180 100

182 94.4 77.2 115.8

145 32.2 25.8 38.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

