

Data File : VW006881.D
Acq On : 14 Nov 2018 21:13
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

Quant Time: Nov 15 03:37:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 15 03:33:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	168781	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	162342	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	78755	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	38080	25.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.64%
7) Chloroethane-d5	2.89	69	28166	25.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.48%
10) 1,1-Dichloroethene-d2	4.02	63	97422	24.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.36%
20) 2-Butanone-d5	7.09	46	40734	49.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.66%
24) Chloroform-d	7.65	84	91216	24.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.64%
26) 1,2-Dichloroethane-d4	8.31	65	52740	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.04%
29) Benzene-d6	8.28	84	199897	23.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.20%
33) 1,2-Dichloropropane-d6	9.28	67	61062	23.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.04%
37) Toluene-d8	10.33	98	207905	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.68%
38) trans-1,3-Dichloropropene-	10.58	79	27186	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.44%
39) 2-Hexanone-d5	10.93	63	33453	51.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	56658	25.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	71840	24.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.36%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	56536	24.019	ug/L	99
3) Chloromethane	2.21	50	46024	25.050	ug/L	96
5) Vinyl chloride	2.36	62	45846	24.531	ug/L	97
6) Bromomethane	2.78	94	22804	27.141	ug/L	99
8) Chloroethane	2.92	64	24551	24.378	ug/L	98
9) Trichlorofluoromethane	3.26	101	82448	24.822	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	53342	24.008	ug/L	98
12) 1,1-Dichloroethene	4.04	96	47498	24.633	ug/L	99
13) Acetone	4.14	43	26595	49.990	ug/L	74
14) Carbon disulfide	4.38	76	172530	24.855	ug/L	100
15) Methyl Acetate	4.68	43	34492	26.625	ug/L	99
16) Methylene chloride	4.92	84	62649	21.227	ug/L	95
17) Methyl tert-butyl Ether	5.44	73	141729	27.298	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	54184	24.614	ug/L	92
19) 1,1-Dichloroethane	6.22	63	92265	25.676	ug/L	99
21) 2-Butanone	7.18	43	44798	48.804	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	57480	25.572	ug/L	94

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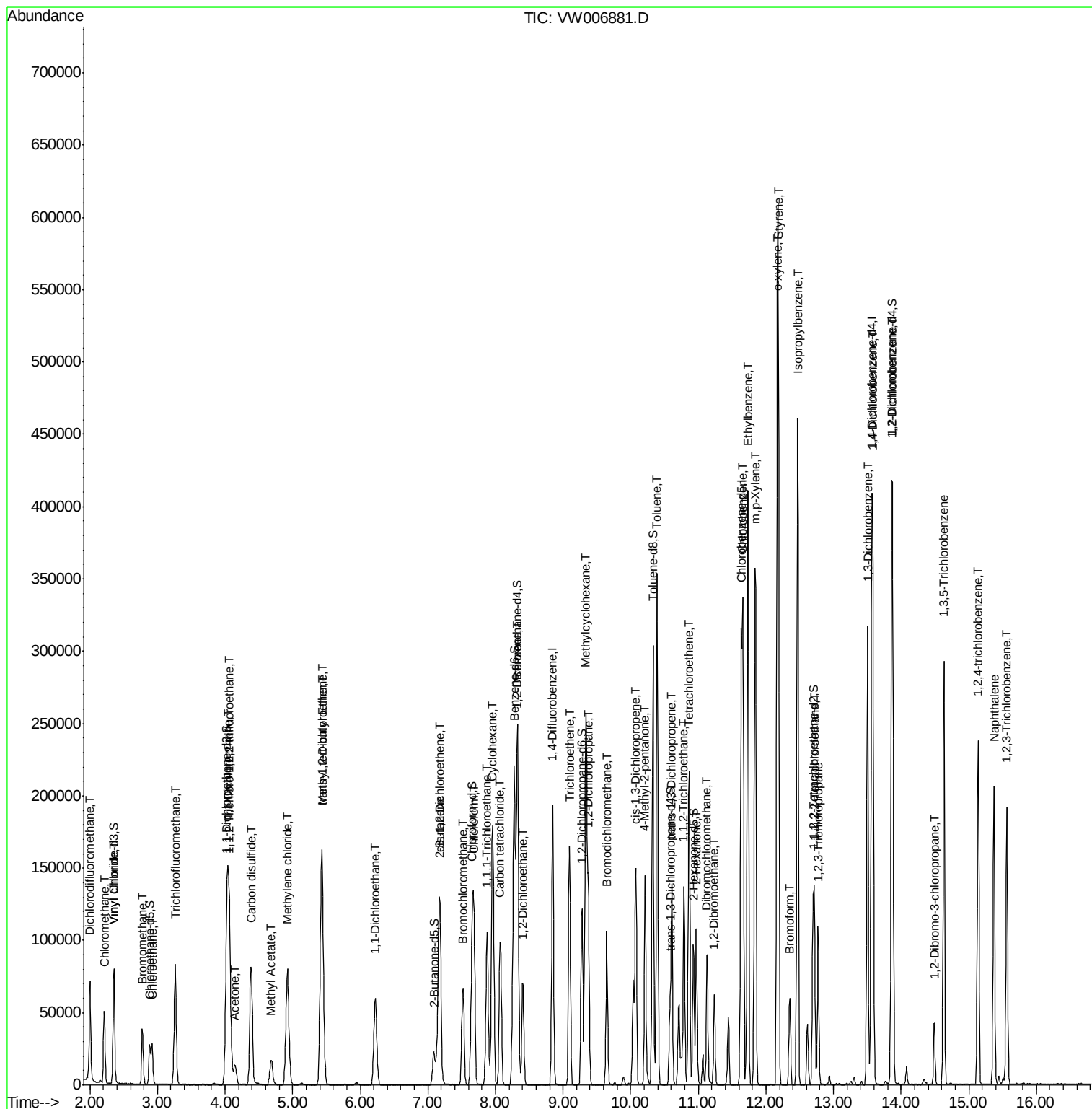
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	24896	27.173	ug/L	99
25) Chloroform	7.68	83	101645	24.464	ug/L	99
27) 1,2-Dichloroethane	8.40	62	65232	26.699	ug/L	96
30) Cyclohexane	7.96	56	99353	23.083	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	87338	24.175	ug/L	99
32) Carbon tetrachloride	8.07	117	75951	23.919	ug/L	99
34) Benzene	8.33	78	221231	24.368	ug/L	100
35) Trichloroethene	9.10	95	59008	23.863	ug/L	98
36) Methylcyclohexane	9.34	83	110174	23.179	ug/L	99
40) 1,2-Dichloropropane	9.37	63	56310	25.175	ug/L	99
41) Bromodichloromethane	9.65	83	70510	25.696	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	87685	25.965	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	95601	54.546	ug/L	99
44) Toluene	10.39	91	259317	24.946	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	75389	26.417	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	43920	25.646	ug/L	98
47) Tetrachloroethene	10.87	164	47104	24.912	ug/L	93
49) 2-Hexanone	10.98	43	69817	53.803	ug/L	99
50) Dibromochloromethane	11.13	129	49627	26.854	ug/L	97
51) 1,2-Dibromoethane	11.24	107	44089	27.070	ug/L	94
52) Chlorobenzene	11.66	112	165542	25.319	ug/L	98
53) Ethylbenzene	11.74	91	303537	24.534	ug/L	97
54) m,p-Xylene	11.84	106	118215	24.983	ug/L	100
55) o-xylene	12.17	106	110905	25.588	ug/L	98
56) Styrene	12.19	104	186754	25.993	ug/L	97
57) Isopropylbenzene	12.47	105	301445	24.843	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	58695	27.015	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	45671	26.992	ug/L	100
62) Bromoform	12.35	173	27978	28.309	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	129928	25.449	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	129082	25.328	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	118606	25.831	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	11729	27.554	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	87089	25.102	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	71350	25.236	ug/L	99
69) Naphthalene	15.38	128	182194	26.882	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	64719	25.748	ug/L	99

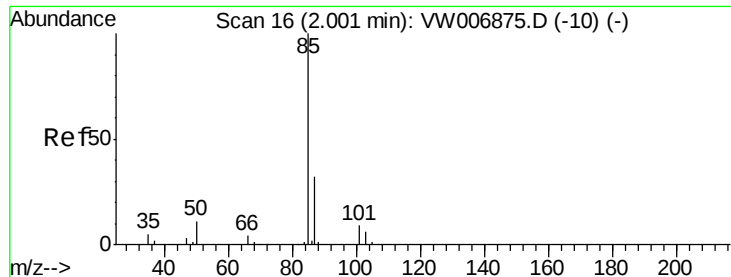
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.019 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

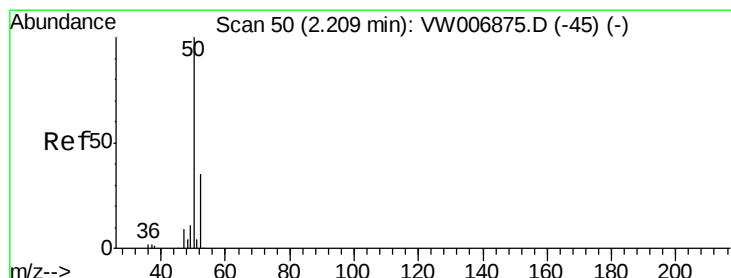
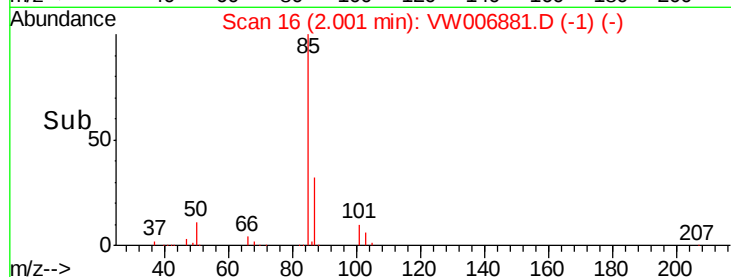
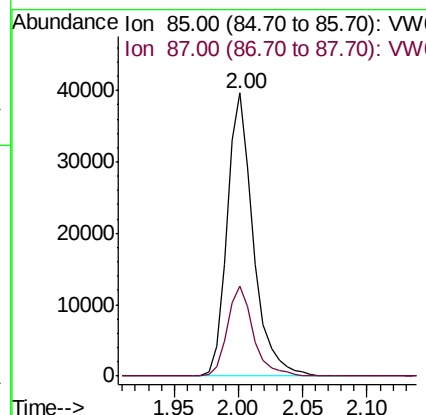
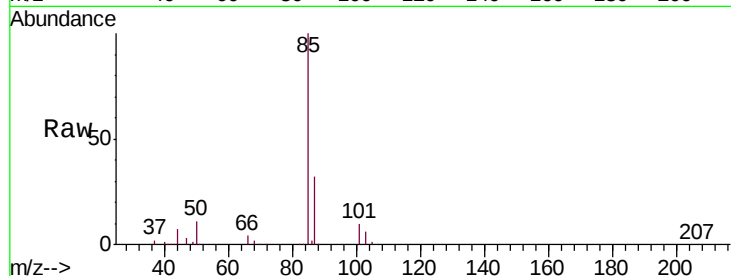
VSTD02588

Tgt Ion: 85 Resp: 56536

Ion Ratio Lower Upper

85 100

87 31.9 22.6 42.0



#3

Chloromethane

Concen: 25.050 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW006881.D

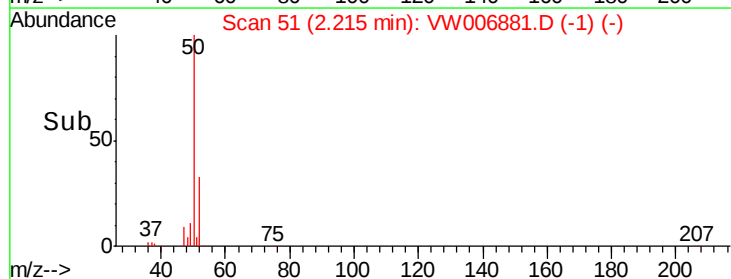
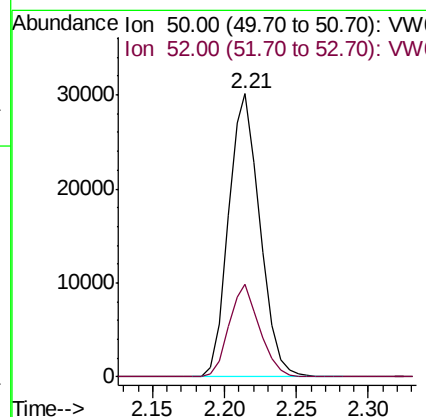
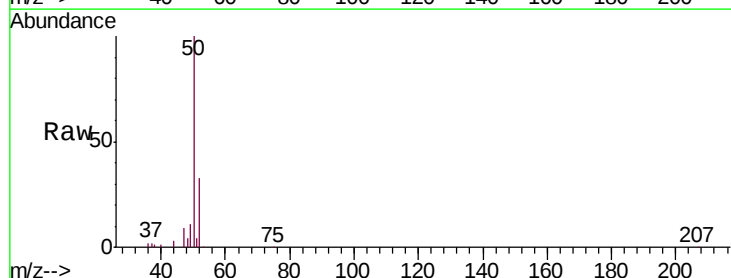
Acq: 14 Nov 2018 21:13

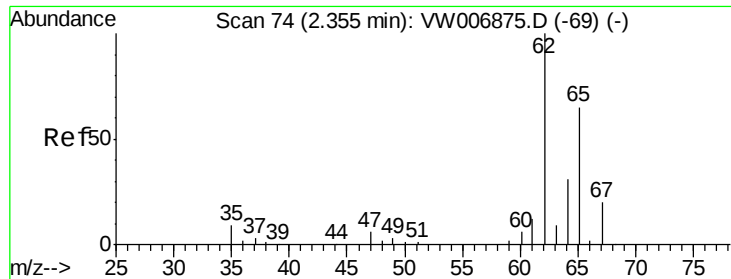
Tgt Ion: 50 Resp: 46024

Ion Ratio Lower Upper

50 100

52 32.7 24.4 45.4





#5

Vinyl chloride

Concen: 24.531 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

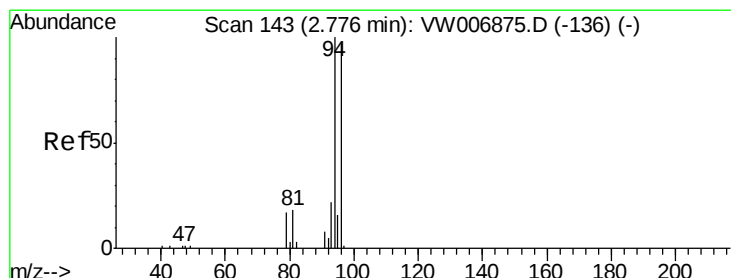
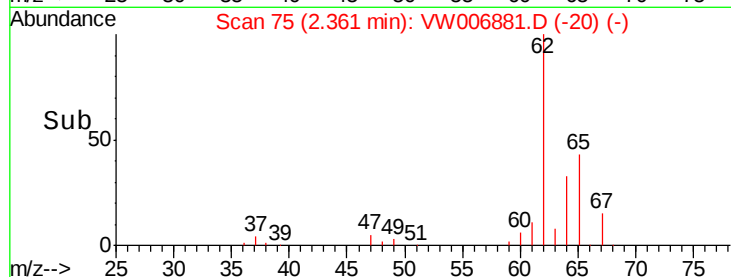
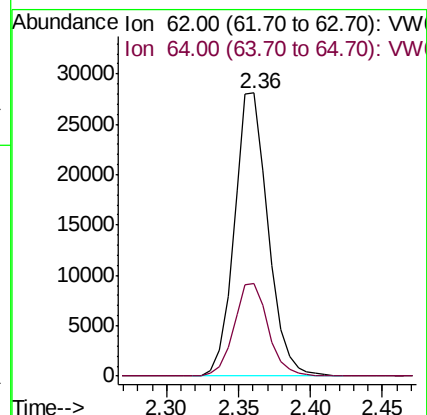
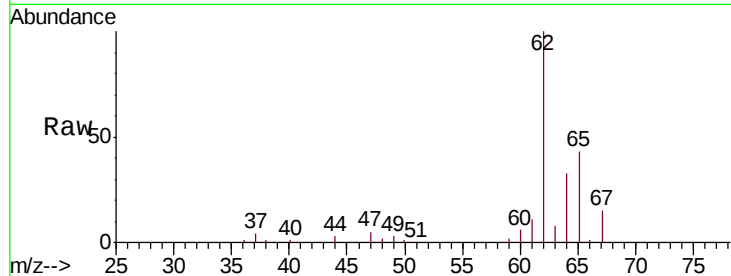
VSTD02588

Tgt Ion: 62 Resp: 45846

Ion Ratio Lower Upper

62 100

64 32.8 21.9 40.7



#6

Bromomethane

Concen: 27.141 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW006881.D

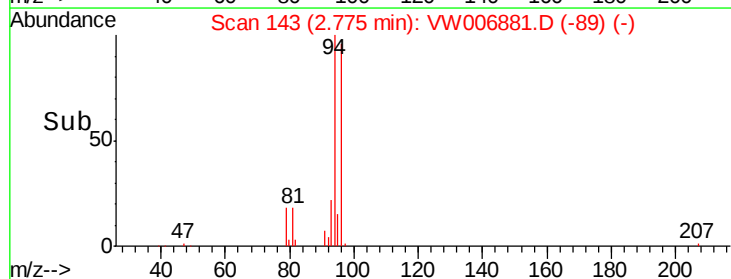
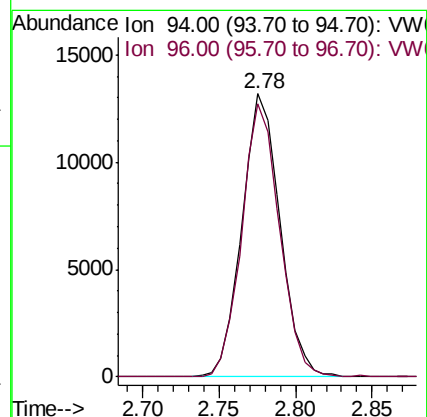
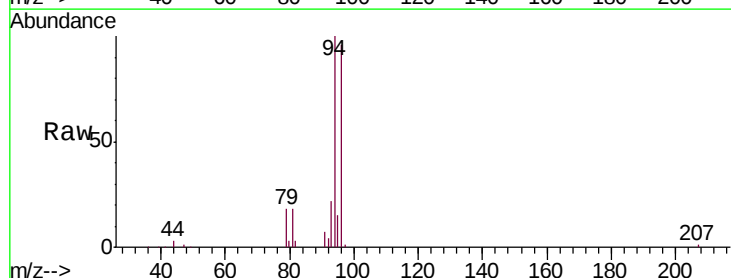
Acq: 14 Nov 2018 21:13

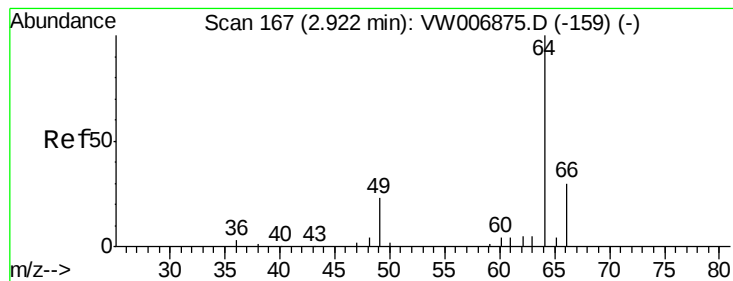
Tgt Ion: 94 Resp: 22804

Ion Ratio Lower Upper

94 100

96 95.8 9.4 179.5





#8

Chloroethane

Concen: 24.378 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

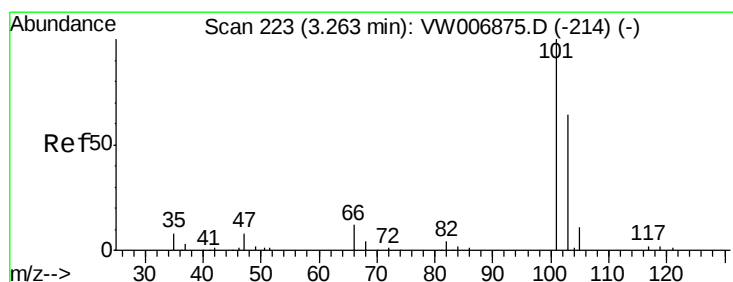
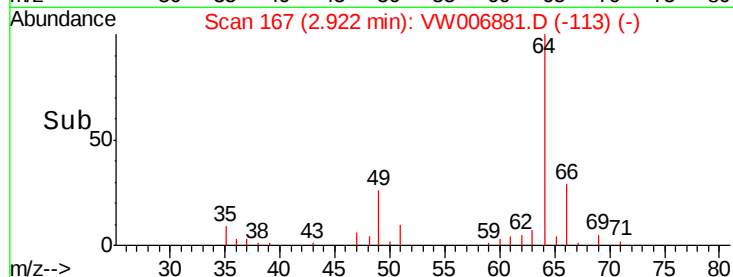
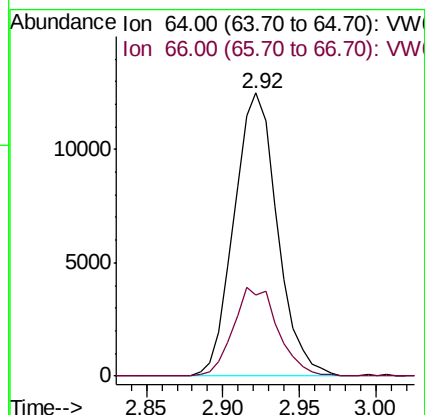
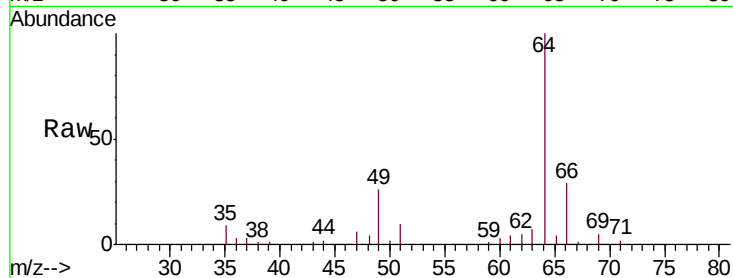
VSTD02588

Tgt Ion: 64 Resp: 24551

Ion Ratio Lower Upper

64 100

66 28.7 20.8 38.6



#9

Trichlorofluoromethane

Concen: 24.822 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW006881.D

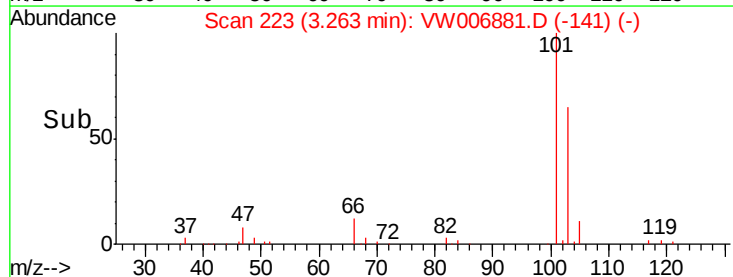
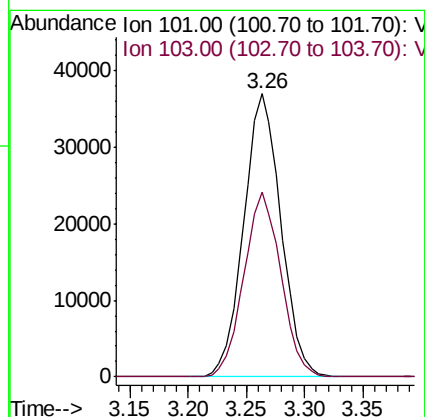
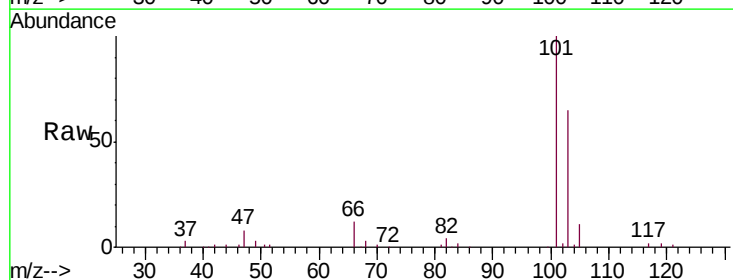
Acq: 14 Nov 2018 21:13

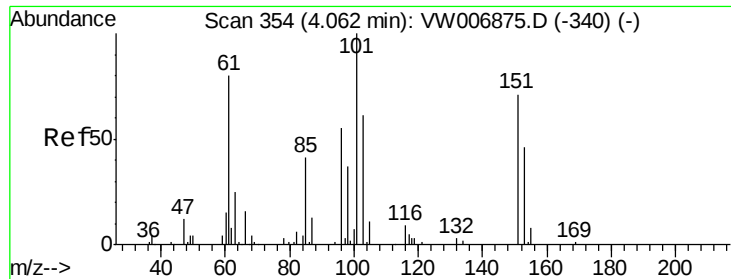
Tgt Ion: 101 Resp: 82448

Ion Ratio Lower Upper

101 100

103 65.0 46.1 85.5





#11

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

Concen: 24.008 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006881.D

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Instrument :

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ClientSampleId :

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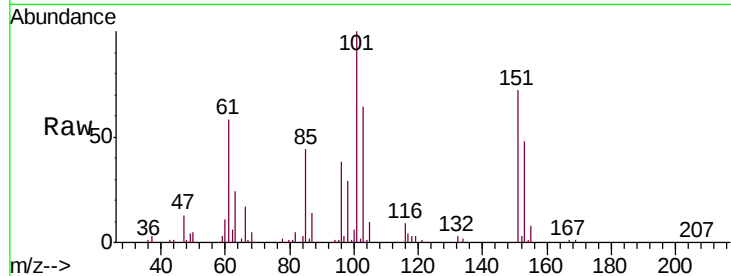
Tgt Ion:101 Resp: 53342

Ion Ratio Lower Upper

101 100

85 42.6 33.8 50.8

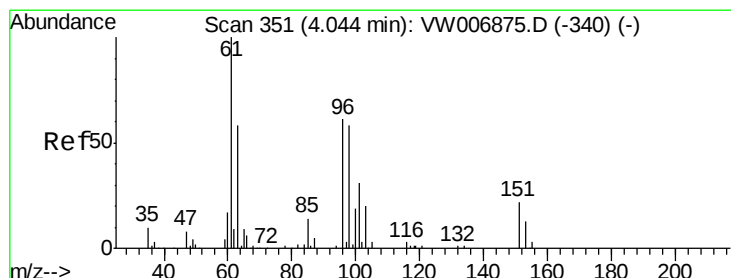
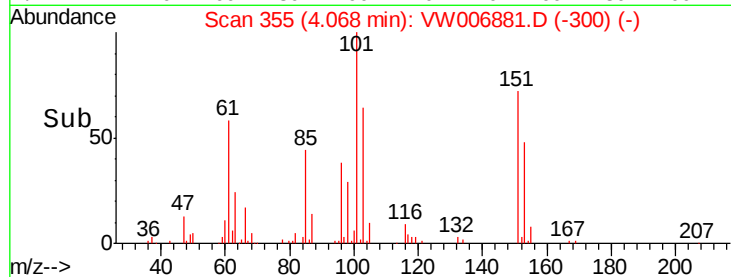
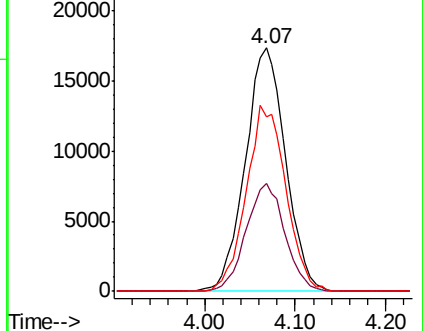
151 74.9 57.5 86.3



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: 24.633 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

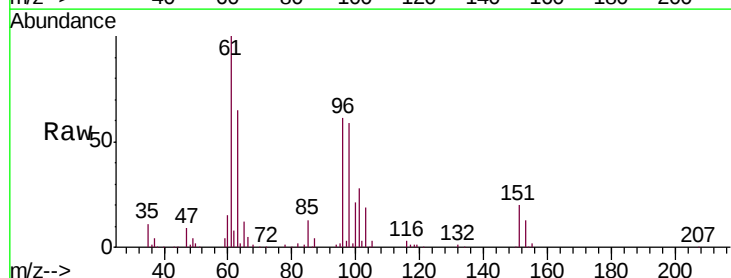
Tgt Ion: 96 Resp: 47498

Ion Ratio Lower Upper

96 100

61 165.1 116.3 215.9

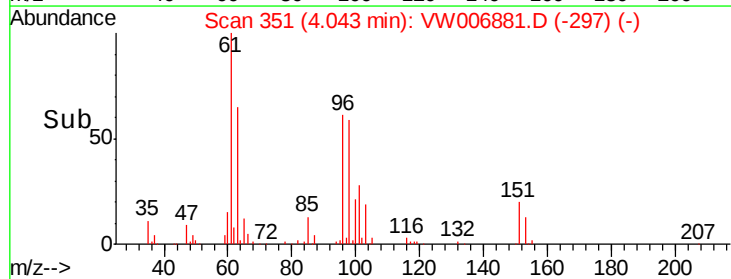
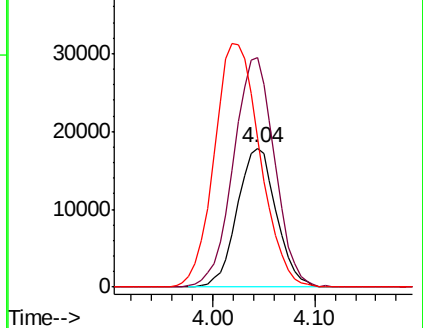
63 106.9 73.4 136.4

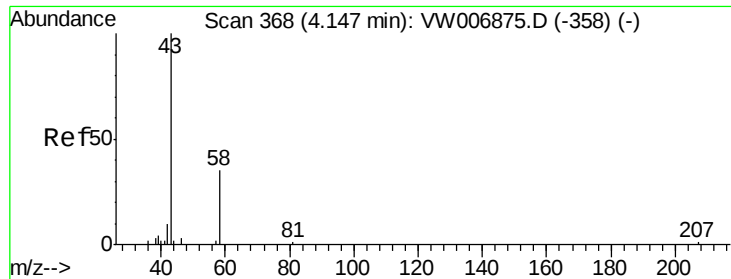


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.990 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

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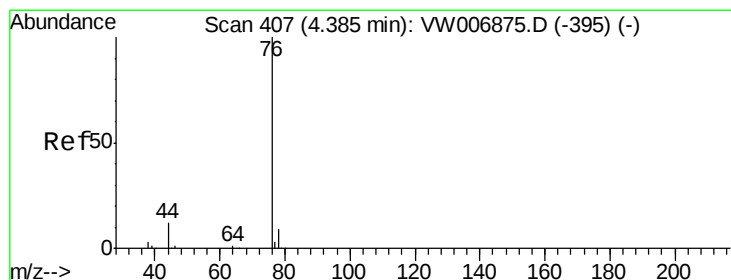
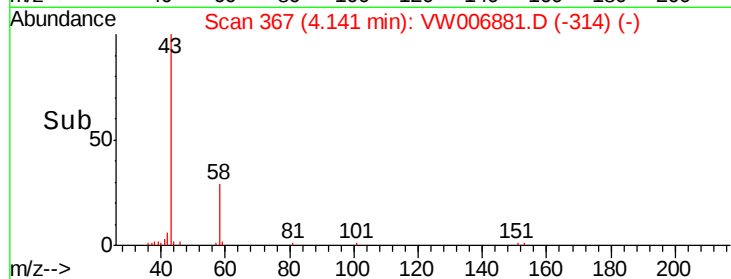
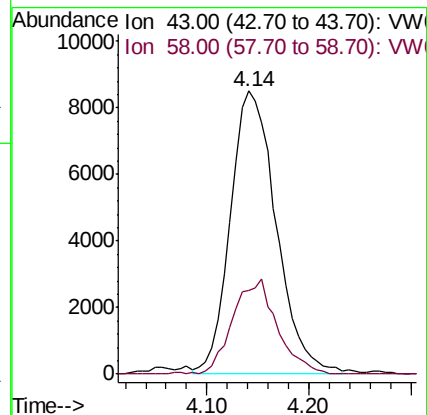
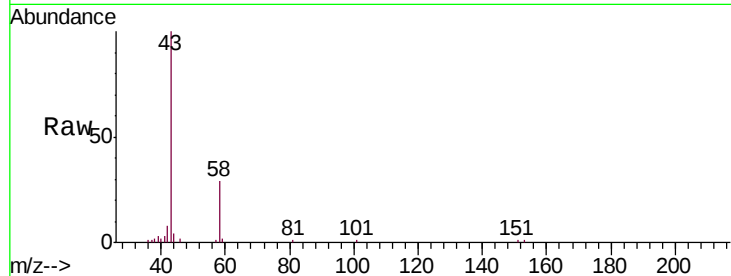
VSTD02588

Tgt Ion: 43 Resp: 26595

Ion Ratio Lower Upper

43 100

58 18.2 0.0 65.6



#14

Carbon disulfide

Concen: 24.855 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW006881.D

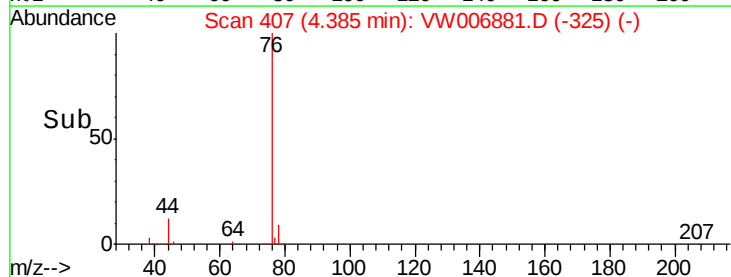
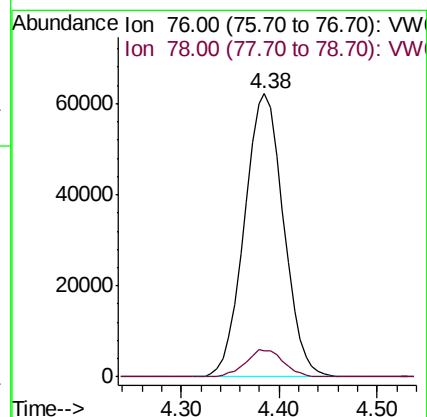
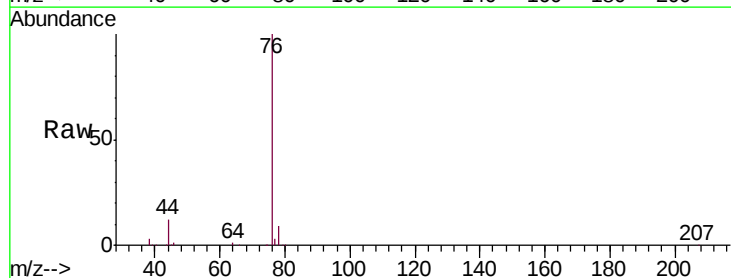
Acq: 14 Nov 2018 21:13

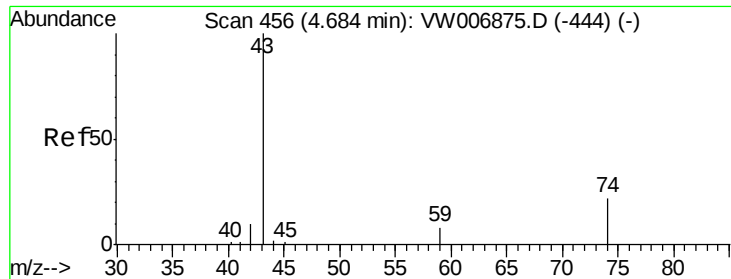
Tgt Ion: 76 Resp: 172530

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methyl Acetate

Concen: 26.625 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

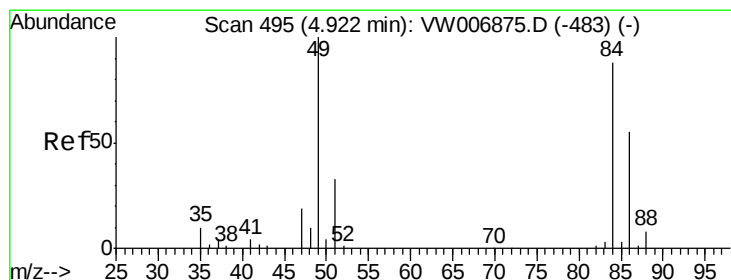
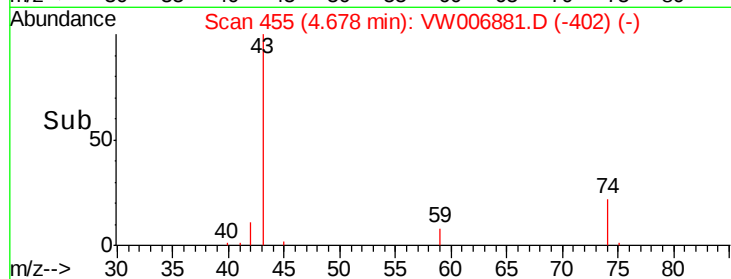
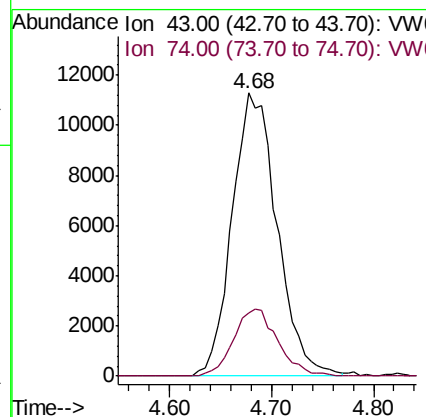
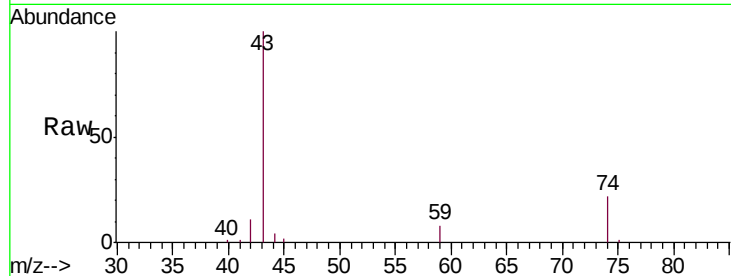
VSTD02588

Tgt Ion: 43 Resp: 34492

Ion Ratio Lower Upper

43 100

74 23.1 18.8 28.2



#16

Methylene chloride

Concen: 21.227 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

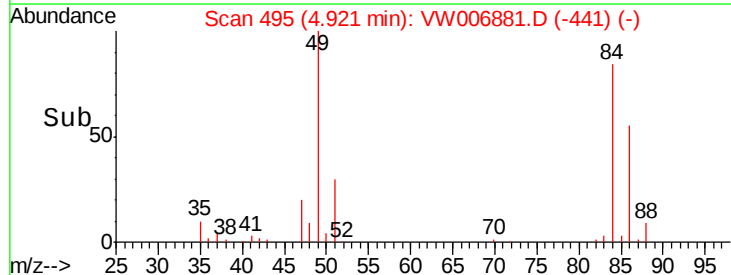
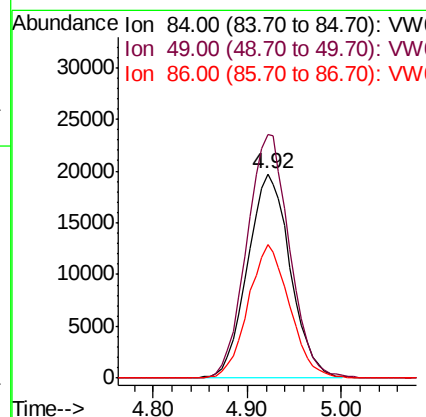
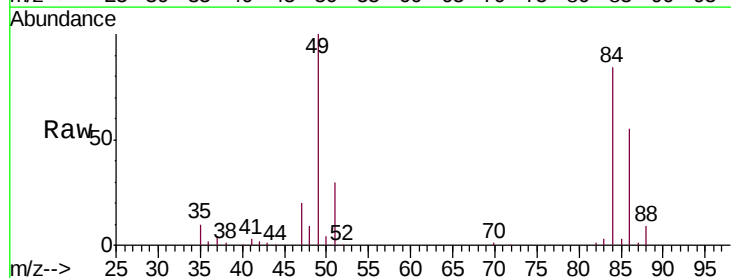
Tgt Ion: 84 Resp: 62649

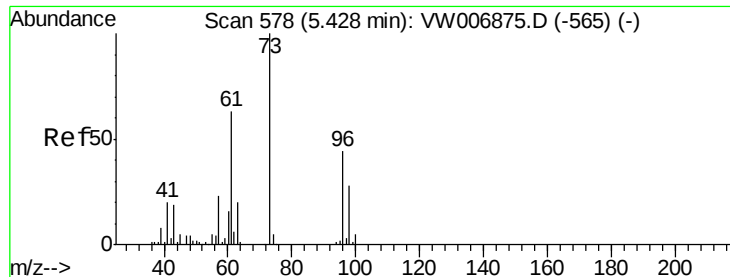
Ion Ratio Lower Upper

84 100

49 119.1 79.3 147.3

86 65.2 43.5 80.9

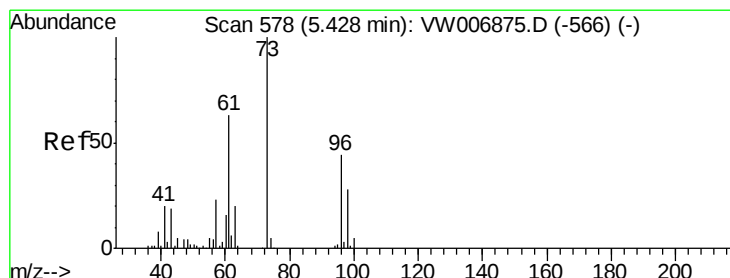
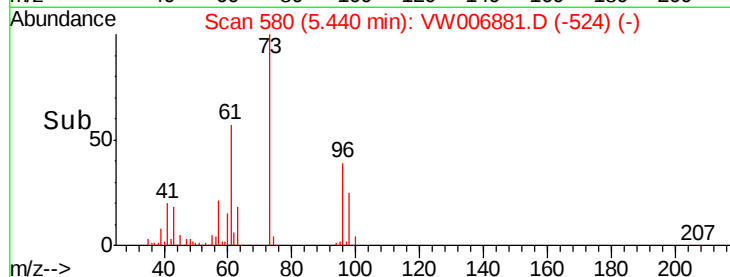
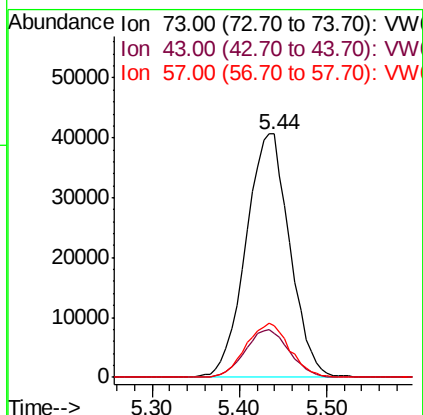
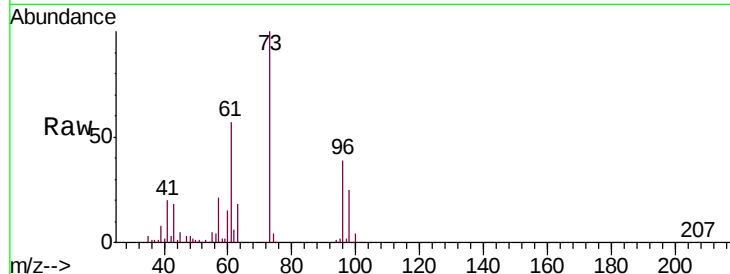




#17
Methyl tert-butyl Ether
Concen: 27.298 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

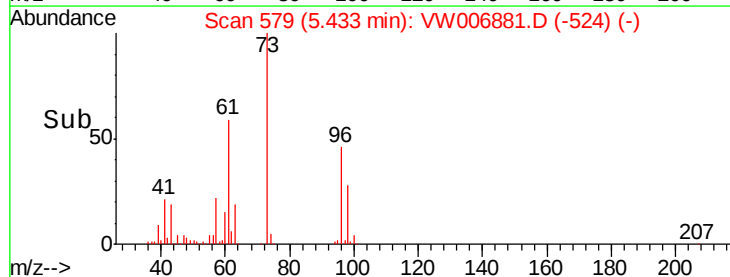
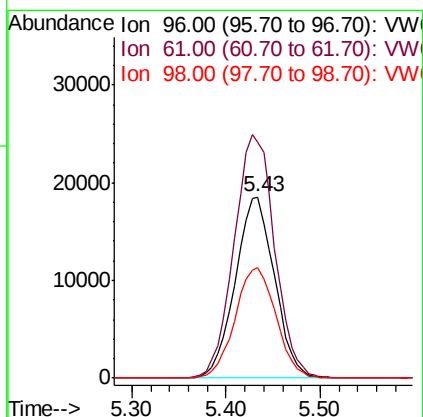
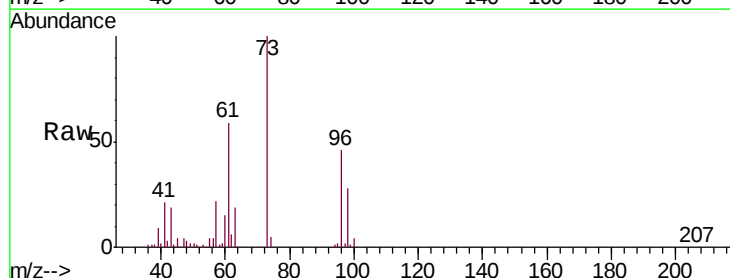
Instrument :
MSVOA_W
ClientSampled :
VSTD02588

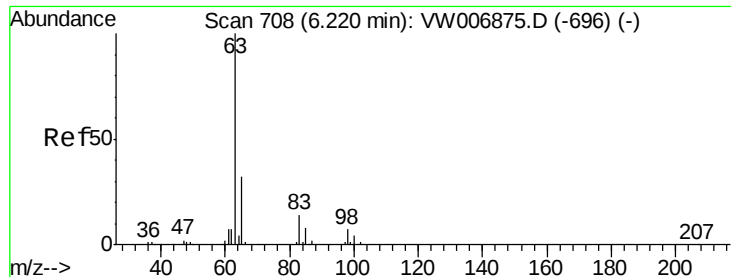
Tgt Ion: 73 Resp: 141729
Ion Ratio Lower Upper
73 100
43 19.8 15.6 23.4
57 22.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 24.614 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

Tgt Ion: 96 Resp: 54184
Ion Ratio Lower Upper
96 100
61 129.9 99.6 185.0
98 61.2 44.7 82.9

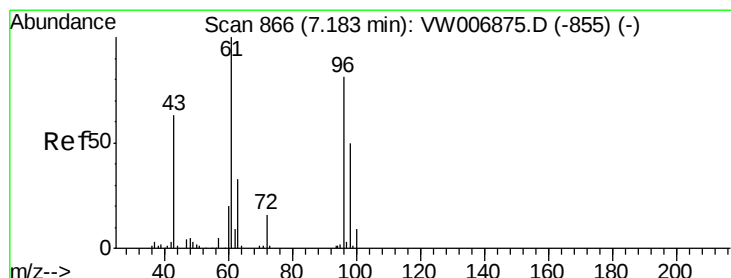
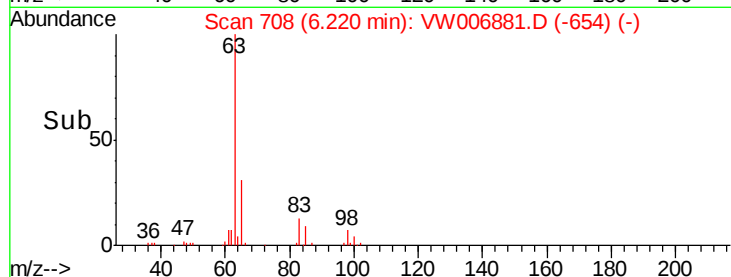
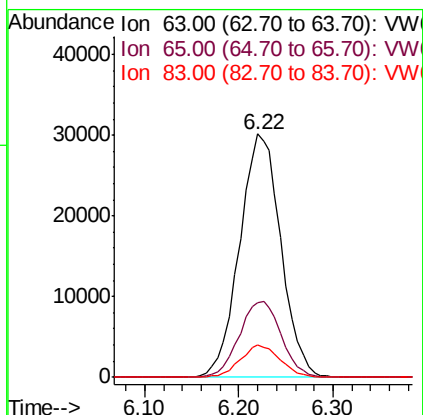
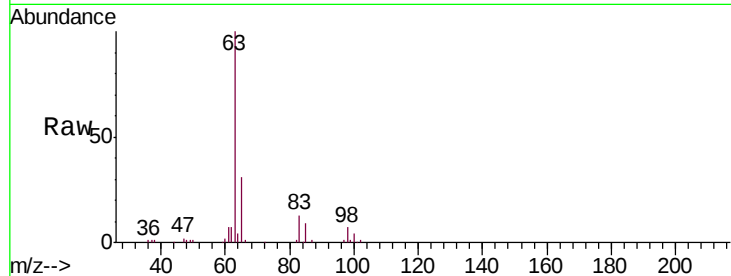




#19
 1,1-Dichloroethane
 Concen: 25.676 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

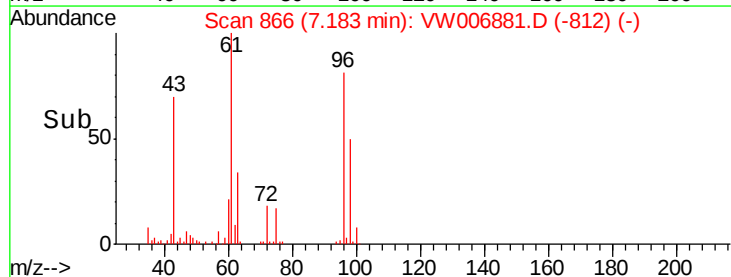
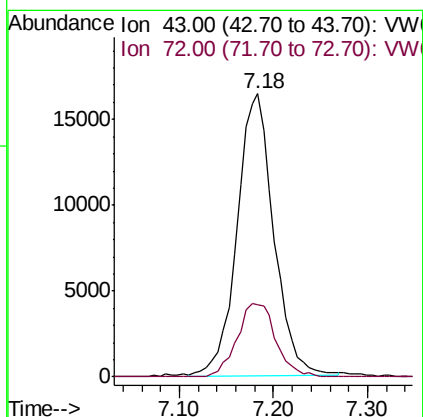
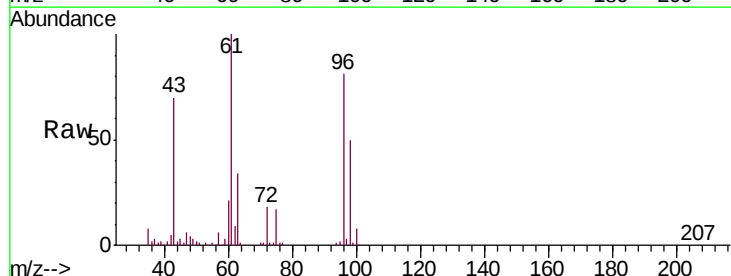
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

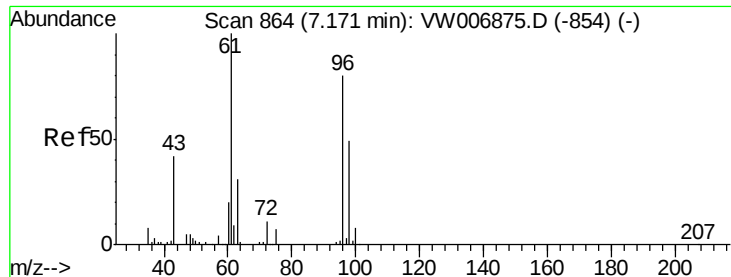
Tgt Ion: 63 Resp: 92265
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.0 41.0
 83 13.1 9.5 17.7



#21
 2-Butanone
 Concen: 48.804 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Tgt Ion: 43 Resp: 44798
 Ion Ratio Lower Upper
 43 100
 72 27.3 13.5 40.5



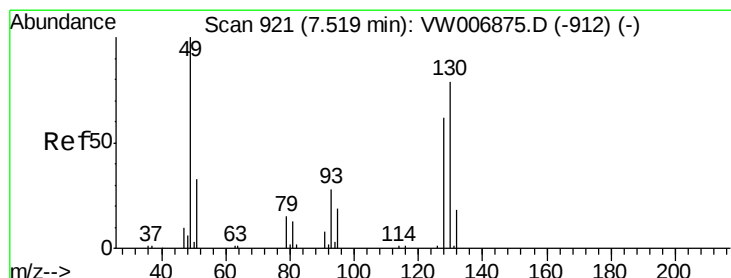
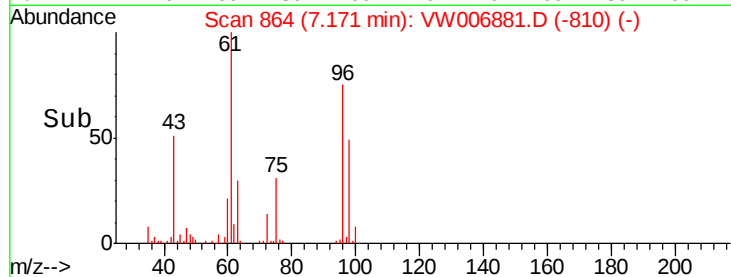
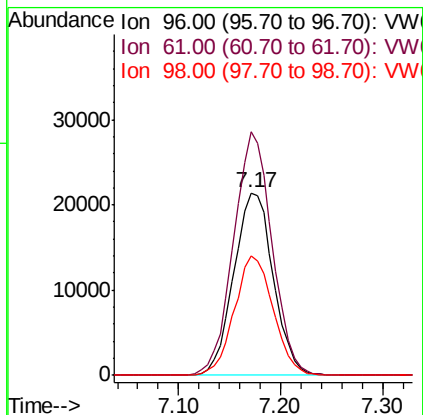
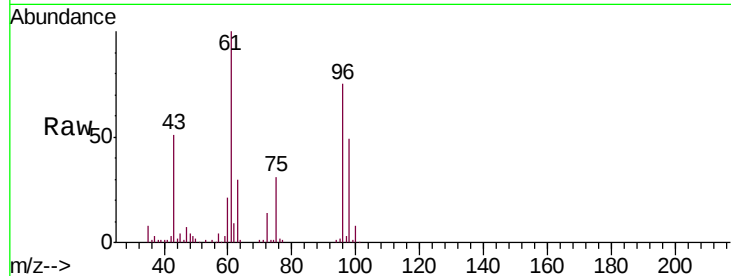


#22

cis-1,2-Dichloroethene
 Concen: 25.572 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

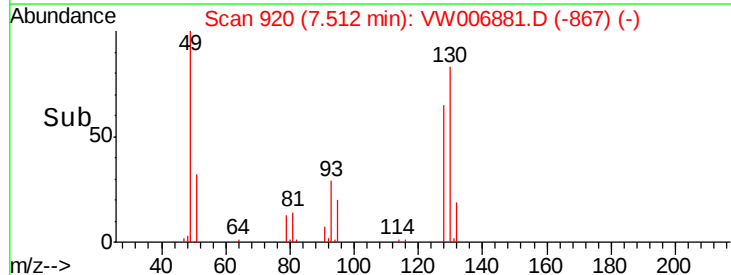
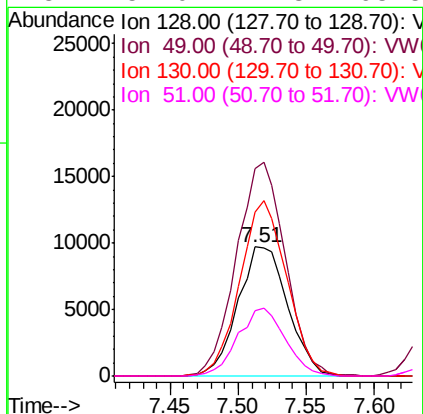
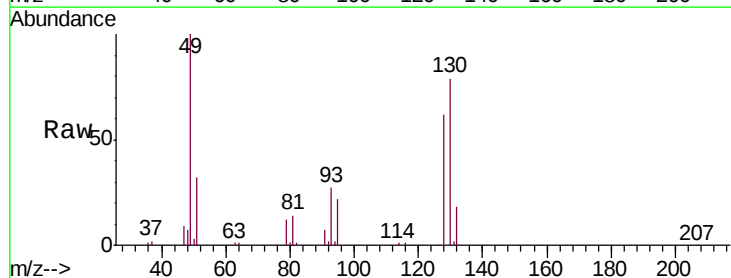
Tgt Ion: 96 Resp: 57480
 Ion Ratio Lower Upper
 96 100
 61 133.2 88.1 163.7
 98 65.5 43.1 80.1

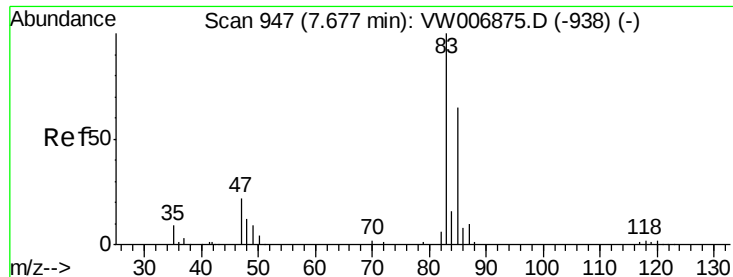


#23

Bromochloromethane
 Concen: 27.173 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Tgt Ion: 128 Resp: 24896
 Ion Ratio Lower Upper
 128 100
 49 161.0 114.0 211.8
 130 127.5 89.7 166.7
 51 51.0 42.3 63.5

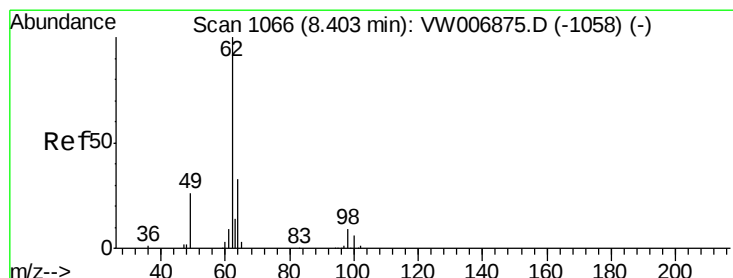
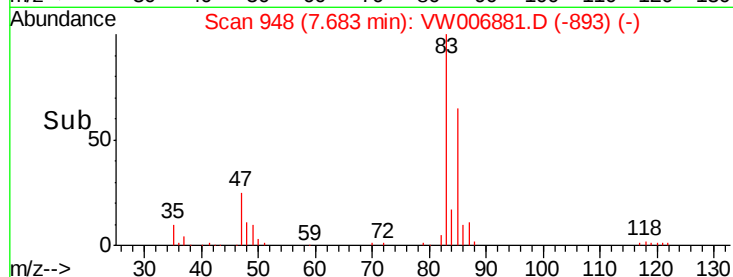
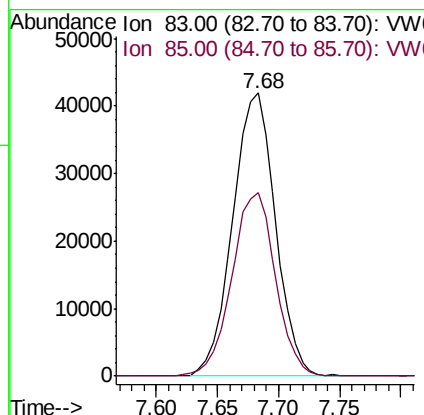
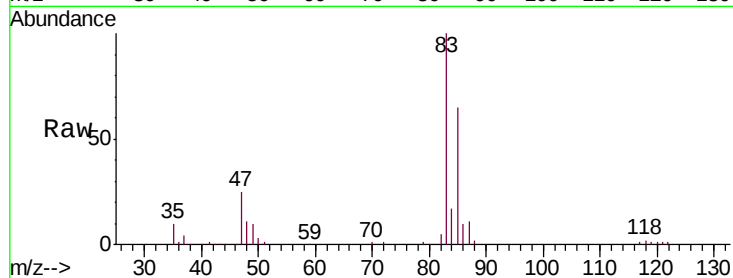




#25
Chloroform
Concen: 24.464 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

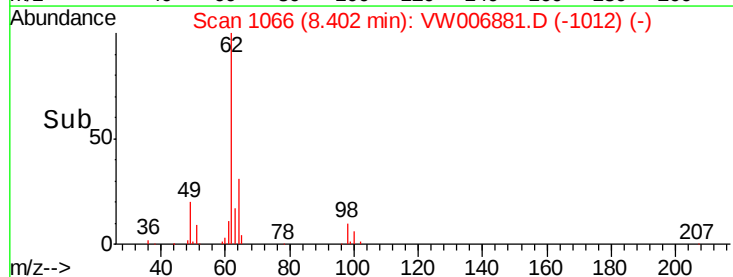
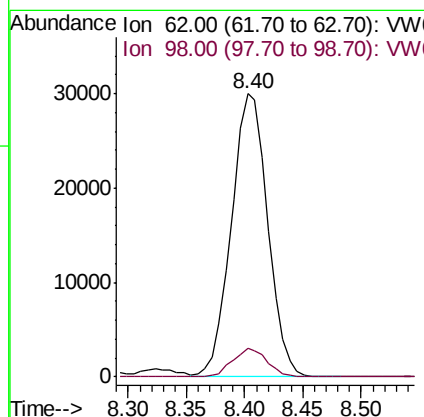
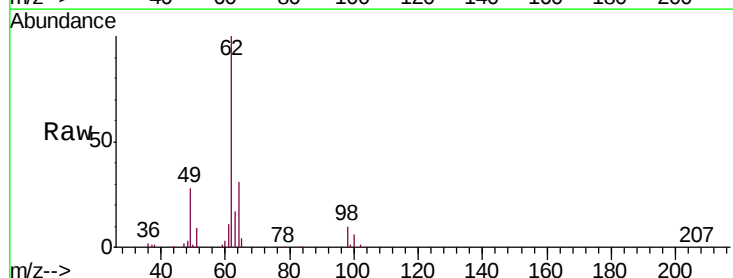
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

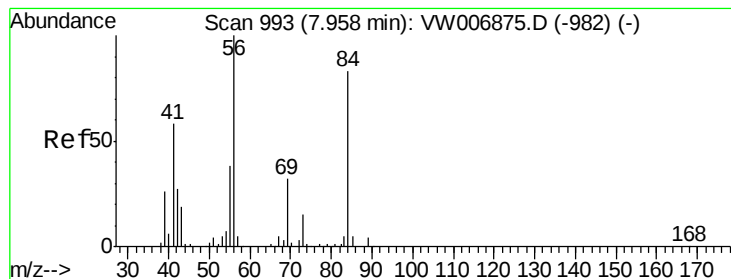
Tgt Ion: 83 Resp: 101645
Ion Ratio Lower Upper
83 100
85 66.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 26.699 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

Tgt Ion: 62 Resp: 65232
Ion Ratio Lower Upper
62 100
98 10.2 7.0 10.4





#30

Cyclohexane

Concen: 23.083 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

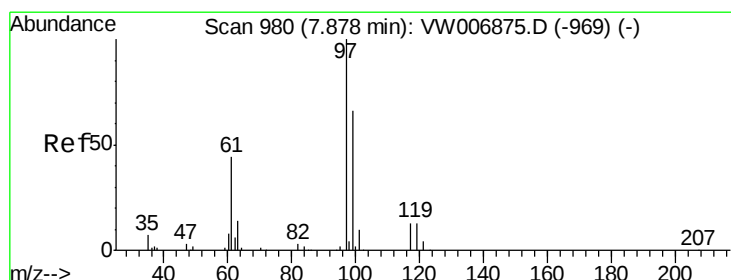
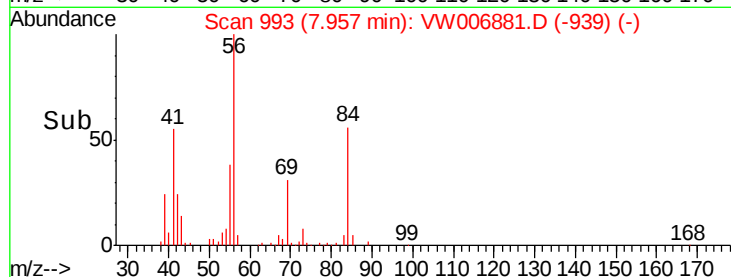
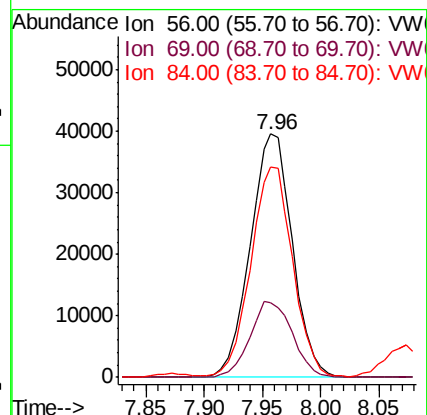
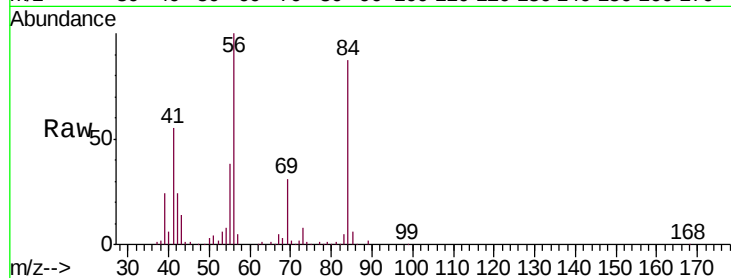
Tgt Ion: 56 Resp: 99353

Ion Ratio Lower Upper

56 100

69 31.5 25.1 37.7

84 86.2 68.7 103.1



#31

1,1,1-Trichloroethane

Concen: 24.175 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

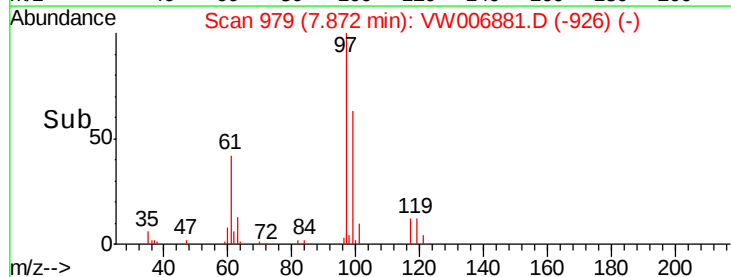
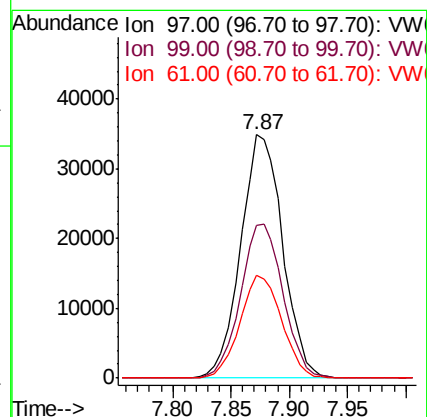
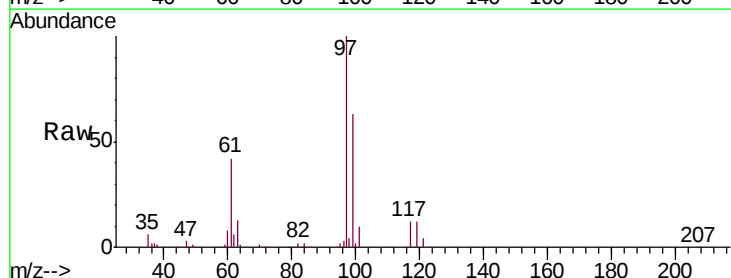
Tgt Ion: 97 Resp: 87338

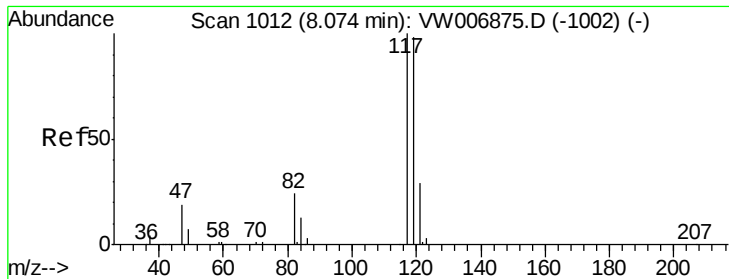
Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.2

61 42.2 34.5 51.7





#32

Carbon tetrachloride

Concen: 23.919 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

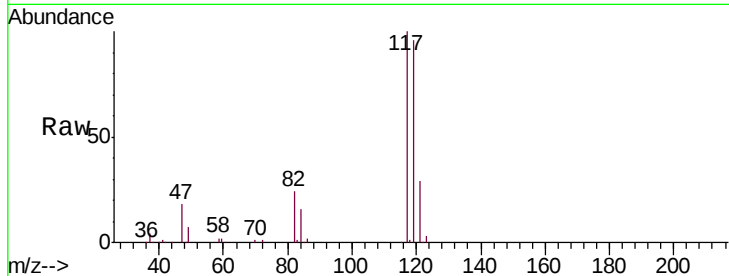
VSTD02588

Tgt Ion:117 Resp: 75951

Ion Ratio Lower Upper

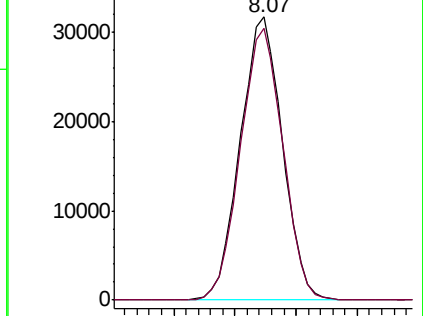
117 100

119 96.7 76.8 115.2

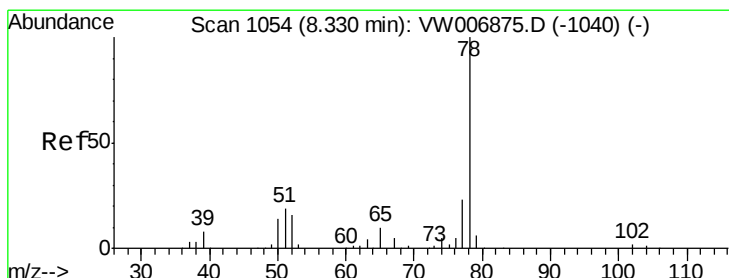
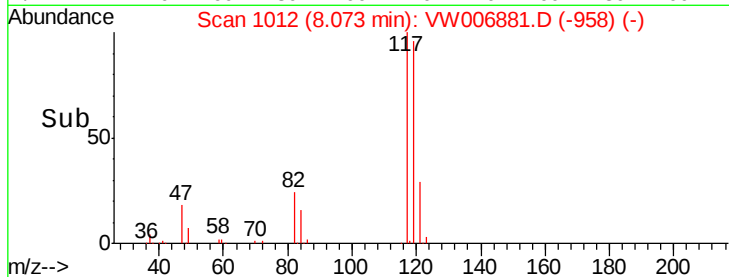


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 24.368 ug/L

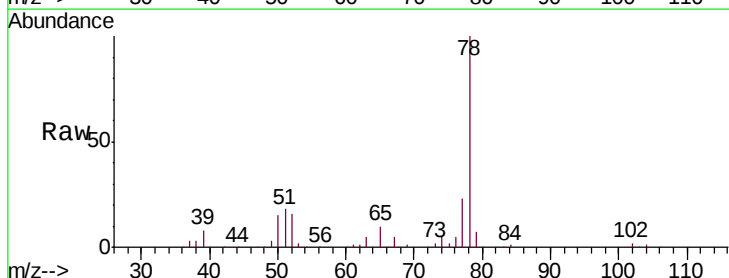
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

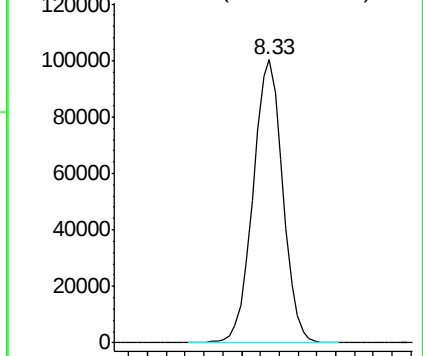
Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

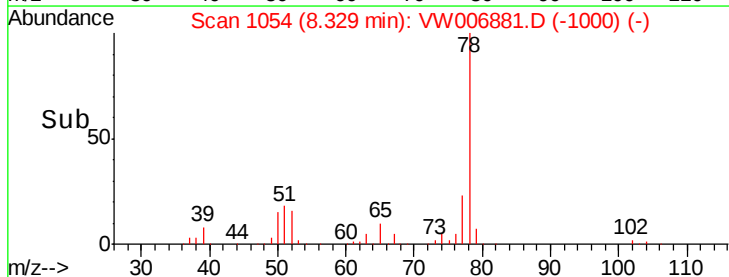
Tgt Ion: 78 Resp: 221231

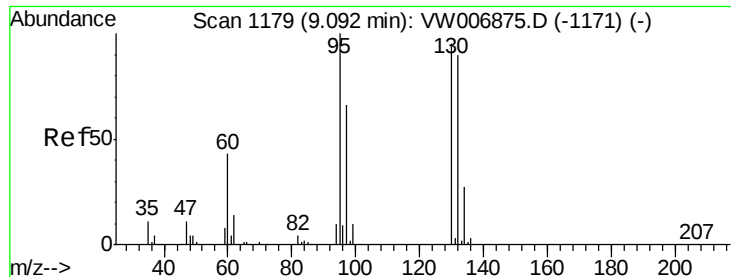


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 23.863 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tgt Ion: 95 Resp: 59008

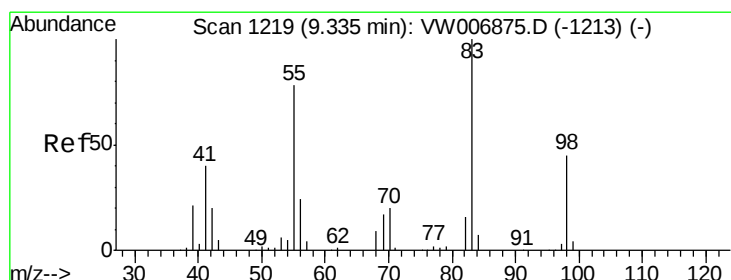
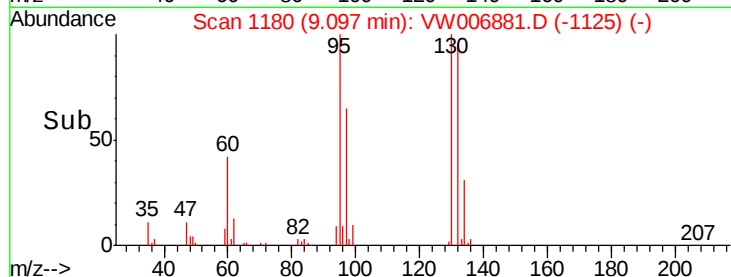
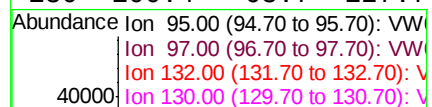
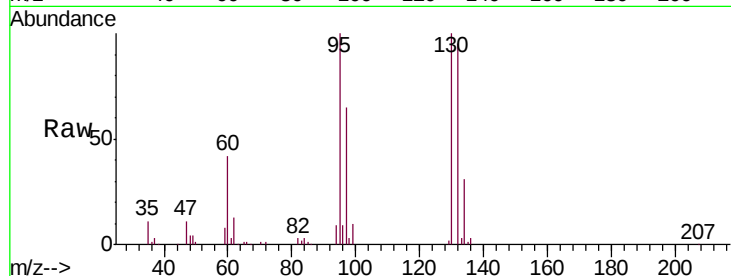
Ion Ratio Lower Upper

95 100

97 66.1 45.1 83.9

132 95.3 65.7 121.9

130 100.4 68.7 127.7



#36

Methylcyclohexane

Concen: 23.179 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

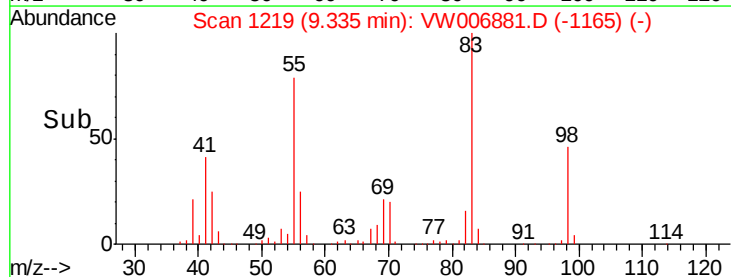
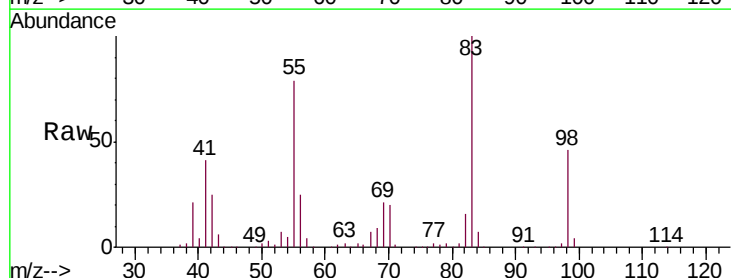
Tgt Ion: 83 Resp: 110174

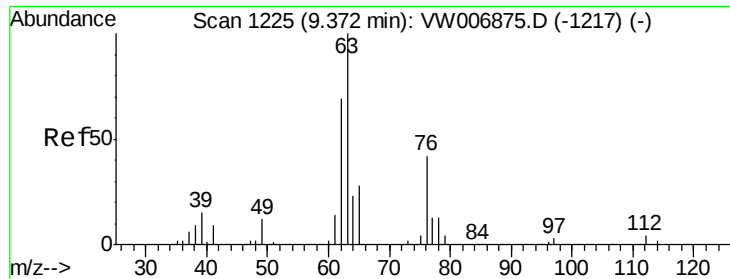
Ion Ratio Lower Upper

83 100

55 76.1 60.2 90.2

98 46.8 36.5 54.7

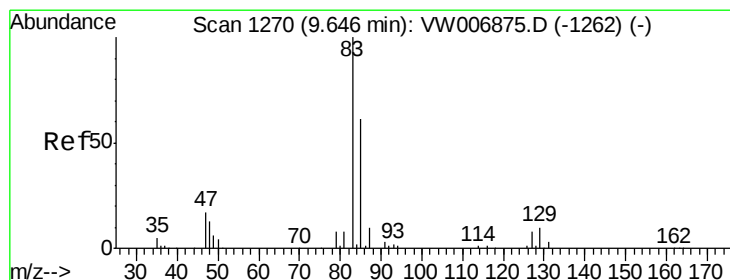
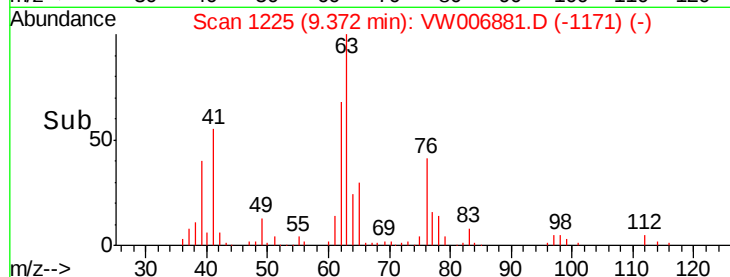
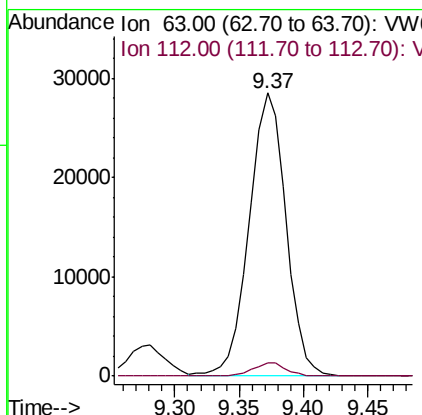
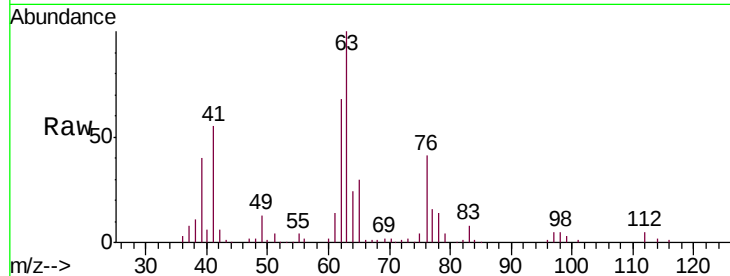




#40
 1,2-Dichloropropane
 Concen: 25.175 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

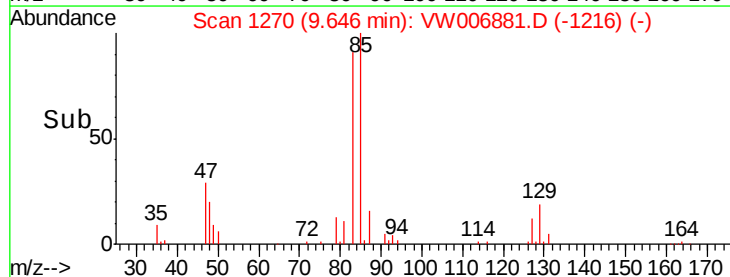
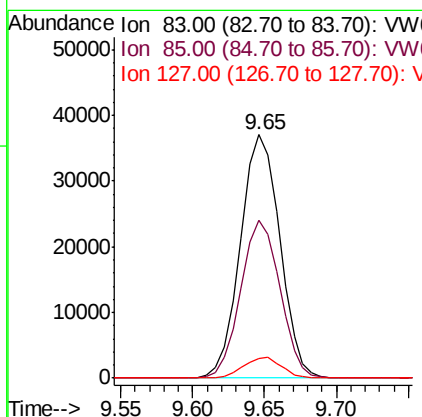
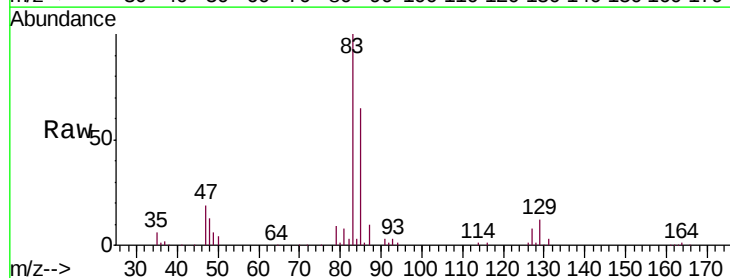
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

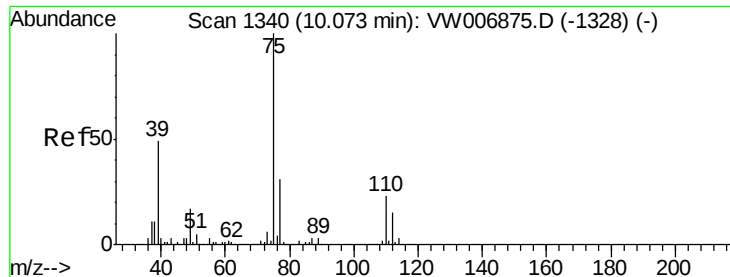
Tgt Ion: 63 Resp: 56310
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#41
 Bromodichloromethane
 Concen: 25.696 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Tgt Ion: 83 Resp: 70510
 Ion Ratio Lower Upper
 83 100
 85 64.7 42.4 78.6
 127 7.9 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 25.965 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampled :

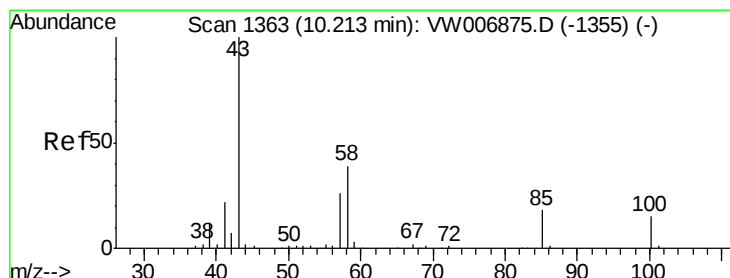
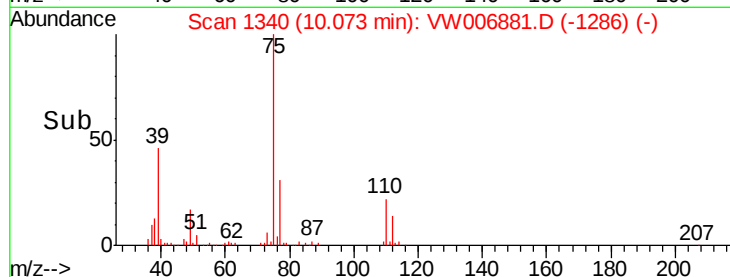
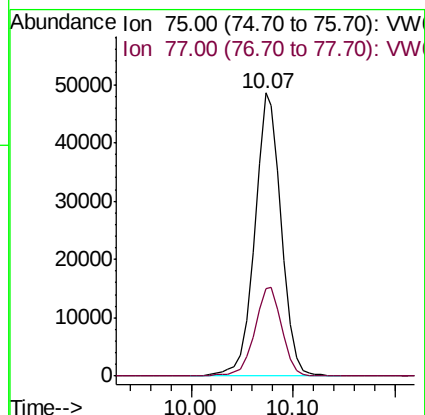
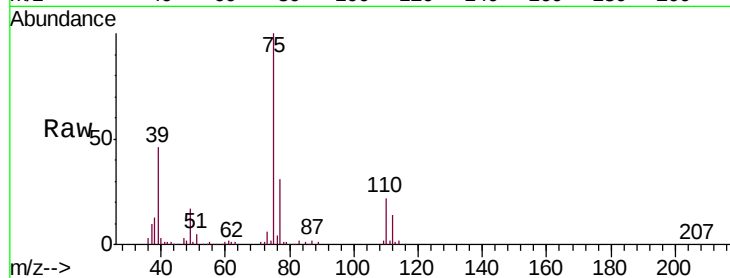
VSTD02588

Tgt Ion: 75 Resp: 87685

Ion Ratio Lower Upper

75 100

77 31.1 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 54.546 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

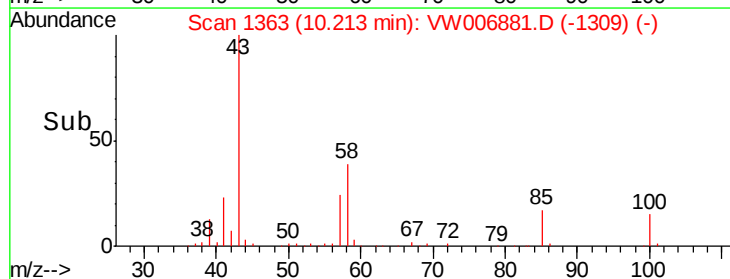
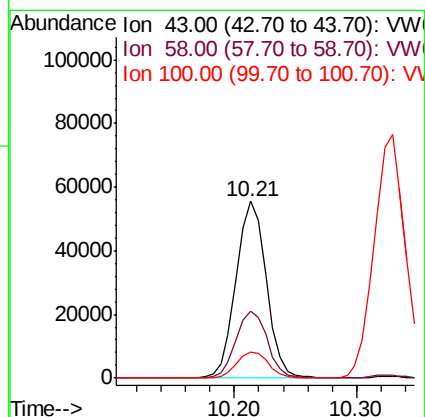
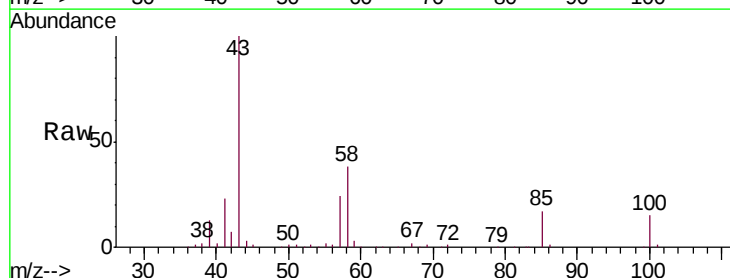
Tgt Ion: 43 Resp: 95601

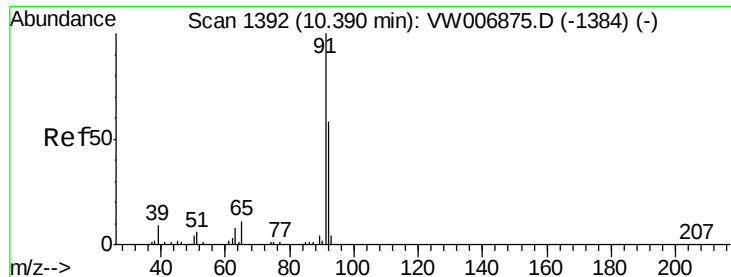
Ion Ratio Lower Upper

43 100

58 39.1 31.6 47.4

100 15.3 12.3 18.5





#44

Toluene

Concen: 24.946 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

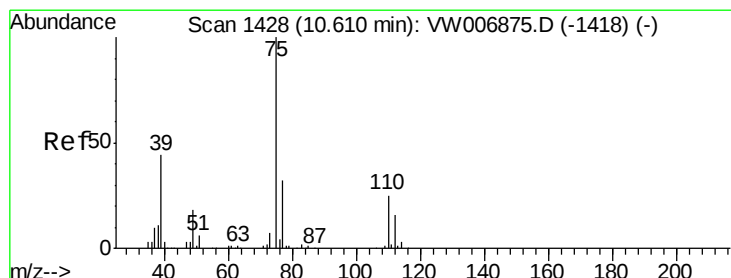
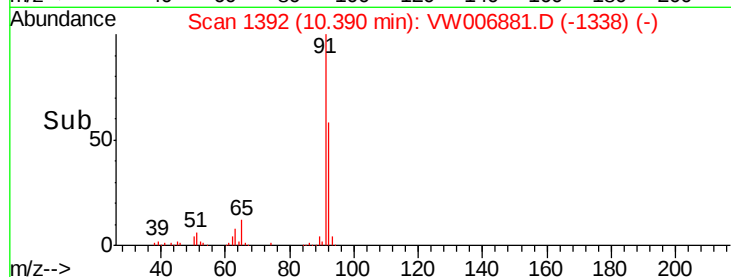
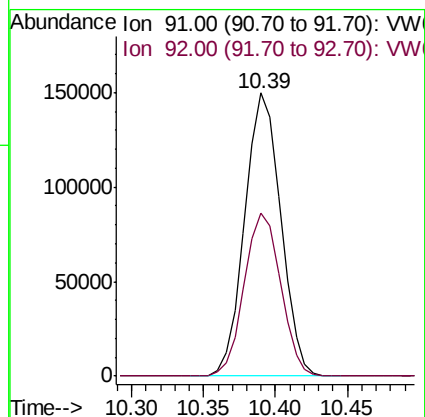
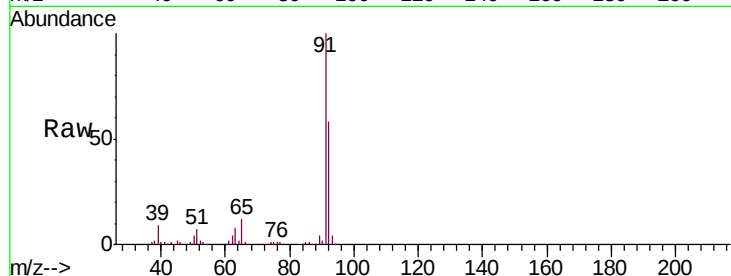
VSTD02588

Tgt Ion: 91 Resp: 259317

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 26.417 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006881.D

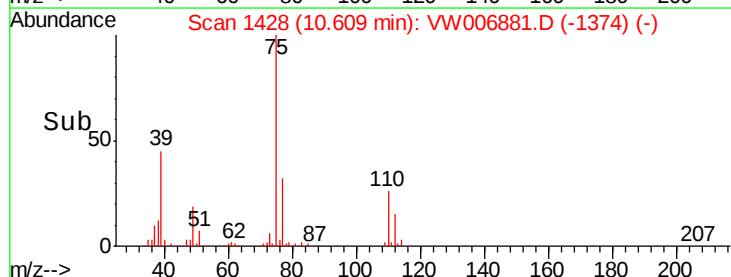
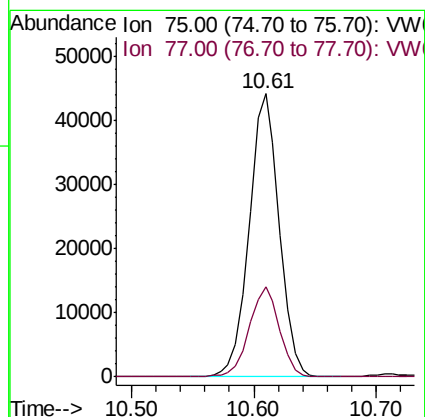
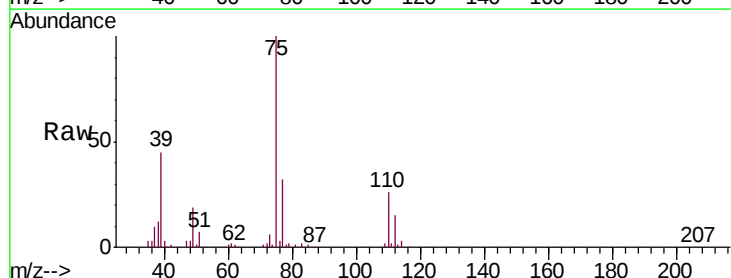
Acq: 14 Nov 2018 21:13

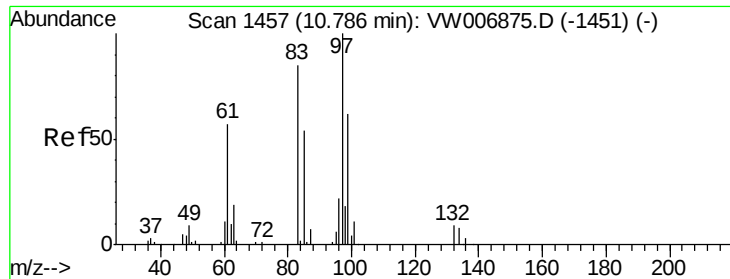
Tgt Ion: 75 Resp: 75389

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1

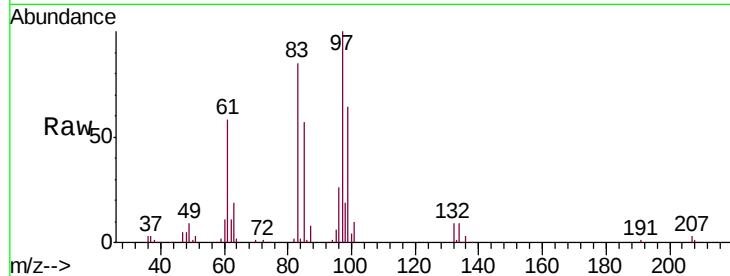




#46
 1,1,2-Trichloroethane
 Concen: 25.646 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tgt Ion:	97	Resp:	43920
Ion	Ratio	Lower	Upper
97	100		
83	84.6	59.6	110.8
85	57.4	37.7	70.1
99	64.0	43.4	80.6



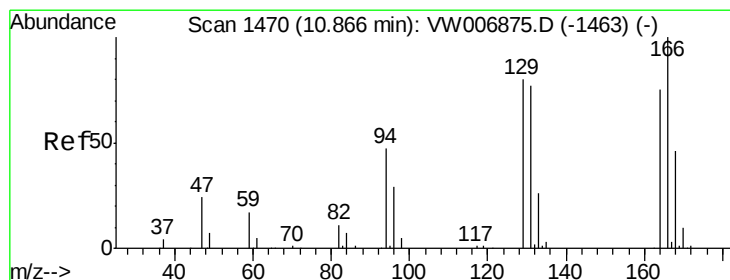
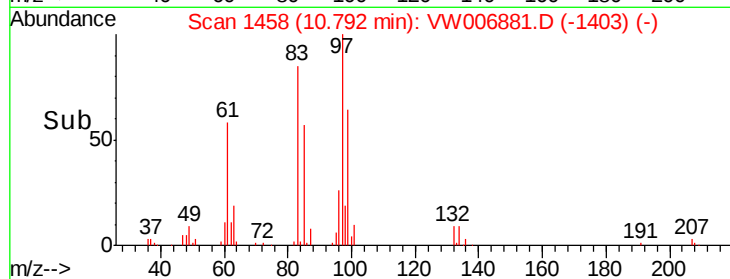
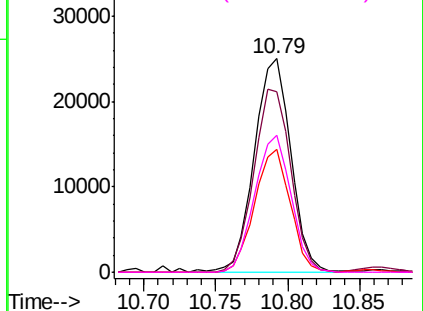
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

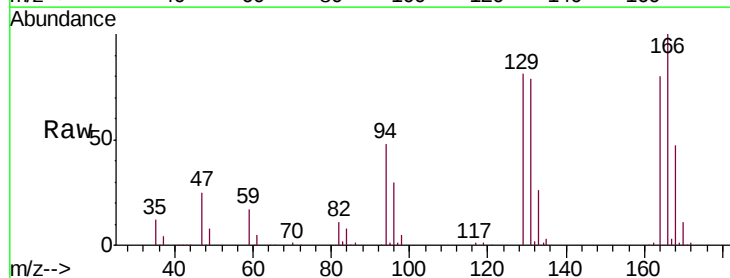
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.912 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Tgt Ion:	164	Resp:	47104
Ion	Ratio	Lower	Upper
164	100		
129	100.4	75.0	139.2
131	98.4	72.5	134.7
166	124.7	93.7	174.1



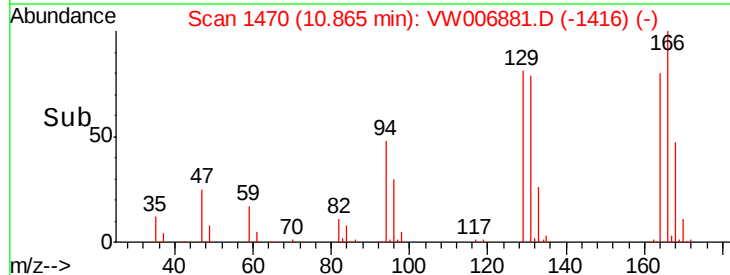
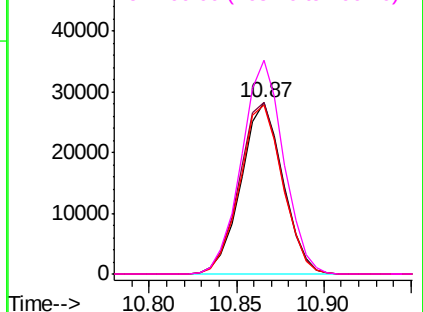
Abundance

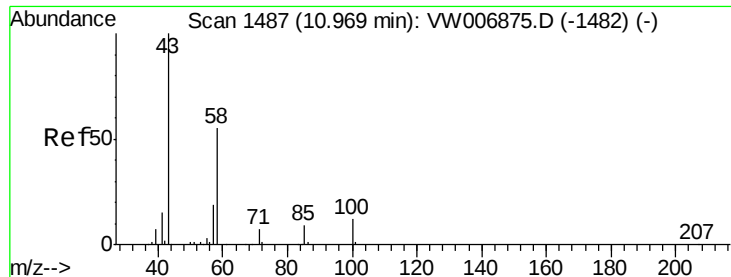
Ion 164.00 (163.70 to 164.70): V

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

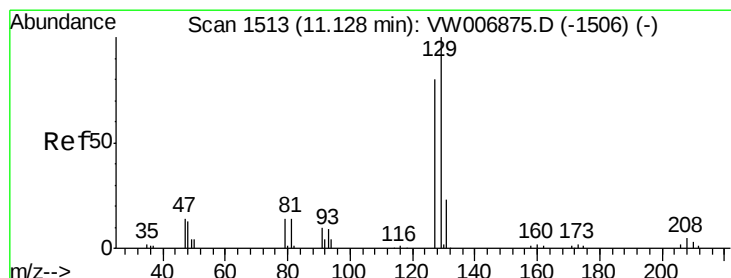
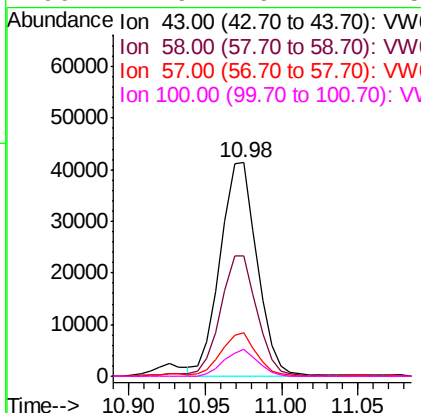
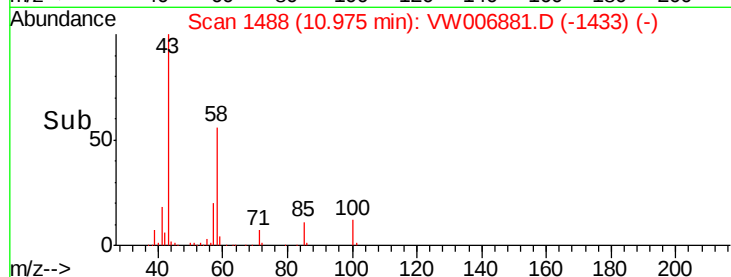
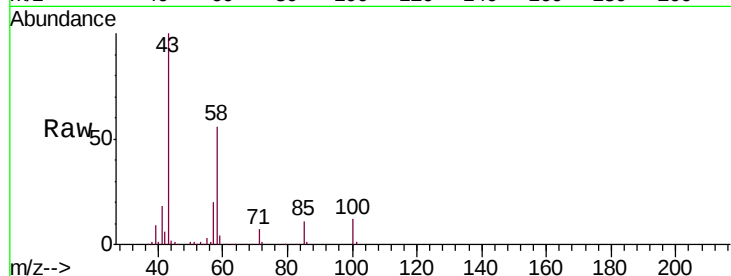




#49
2-Hexanone
Concen: 53.803 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

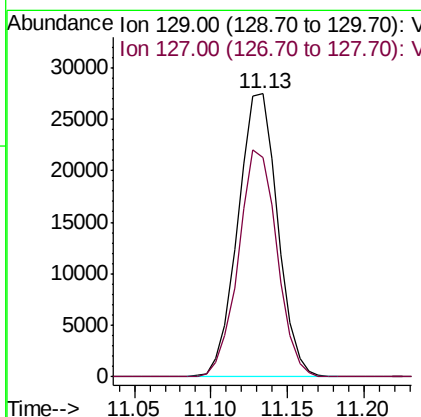
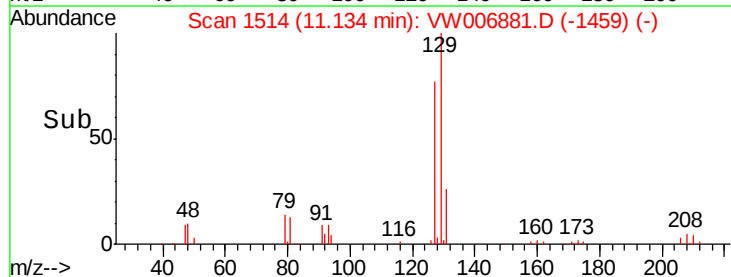
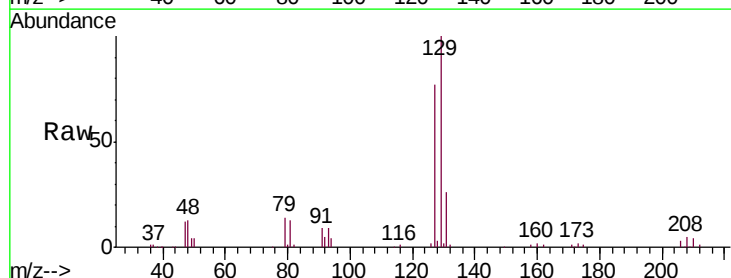
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

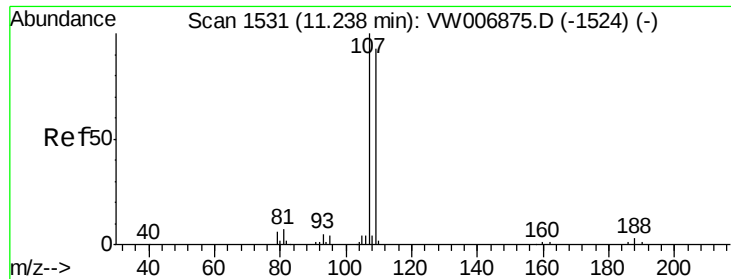
Tgt Ion: 43 Resp: 69817
Ion Ratio Lower Upper
43 100
58 55.4 44.6 67.0
57 19.3 16.0 24.0
100 11.6 9.7 14.5



#50
Dibromochloromethane
Concen: 26.854 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

Tgt Ion: 129 Resp: 49627
Ion Ratio Lower Upper
129 100
127 77.4 55.7 103.5

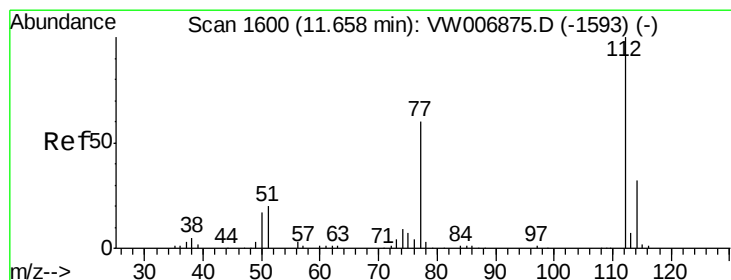
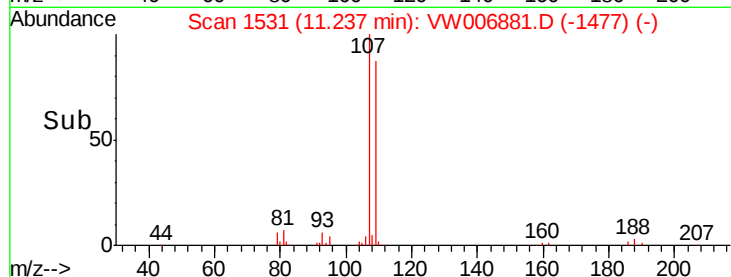
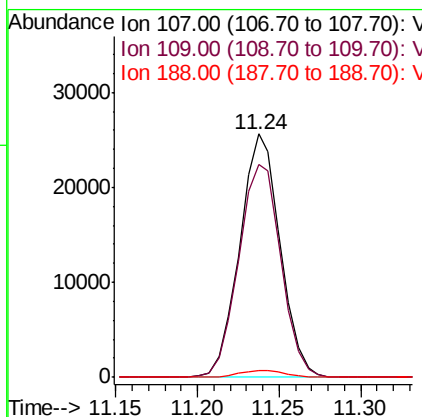
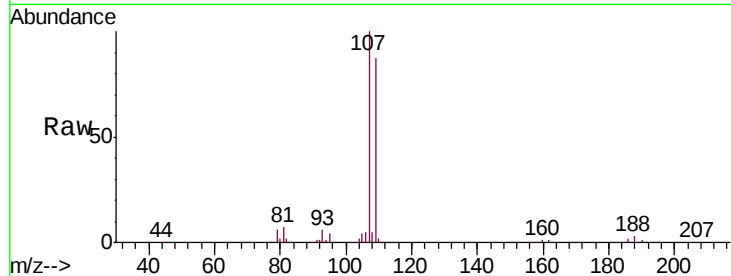




#51
1,2-Dibromoethane
Concen: 27.070 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

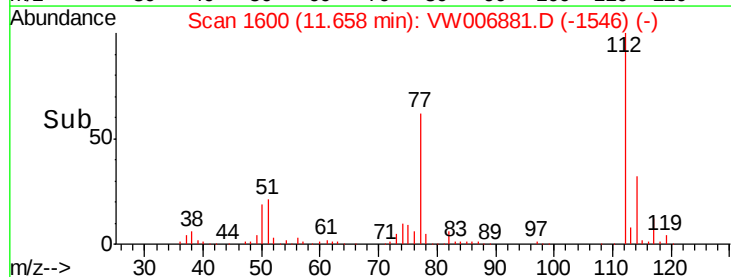
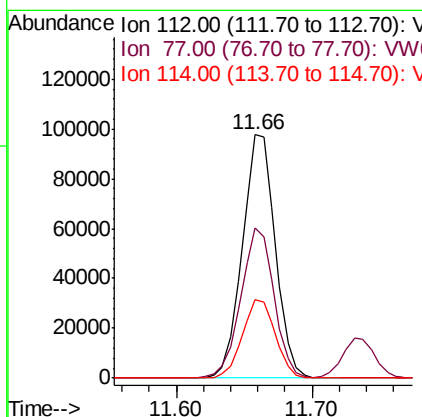
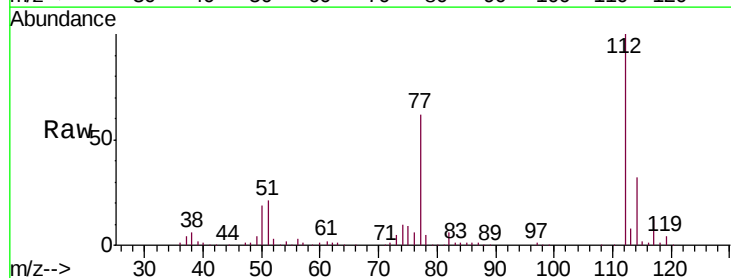
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

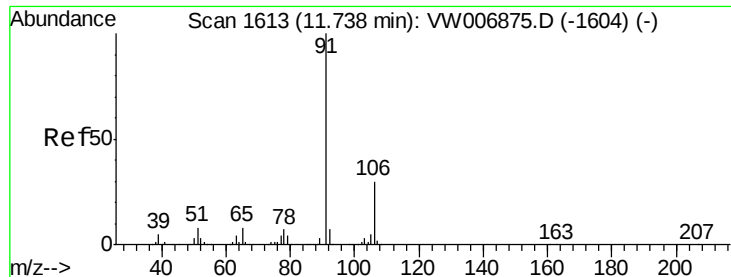
Tgt Ion:107 Resp: 44089
Ion Ratio Lower Upper
107 100
109 87.3 65.4 121.4
188 3.0 2.4 3.6



#52
Chlorobenzene
Concen: 25.319 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

Tgt Ion:112 Resp: 165542
Ion Ratio Lower Upper
112 100
77 61.7 47.8 71.8
114 32.2 22.3 41.5





#53

Ethylbenzene

Concen: 24.534 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

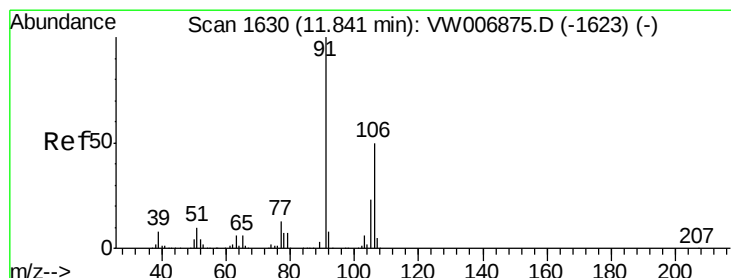
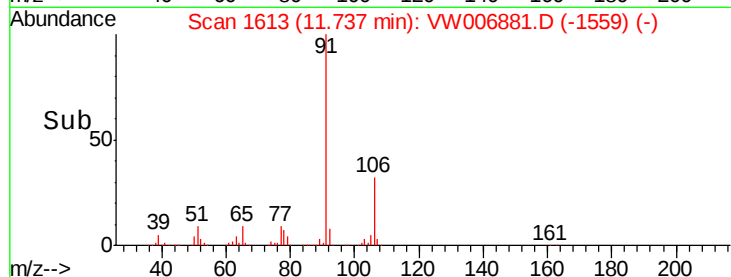
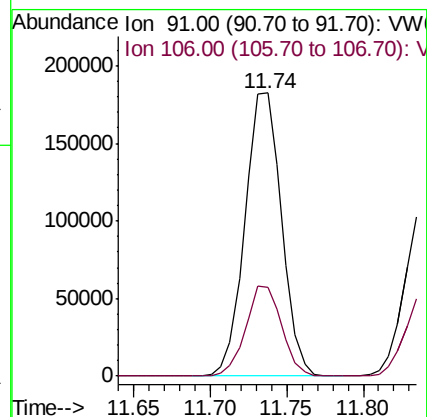
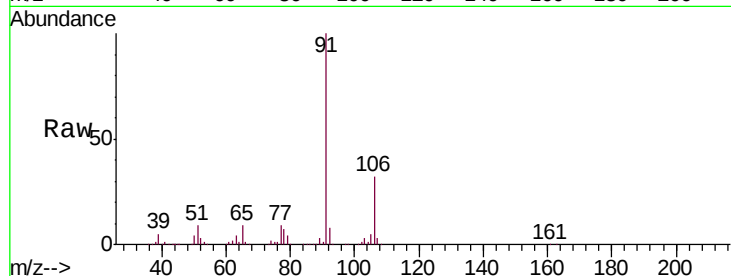
VSTD02588

Tgt Ion: 91 Resp: 303537

Ion Ratio Lower Upper

91 100

106 31.5 21.1 39.1



#54

m,p-Xylene

Concen: 24.983 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW006881.D

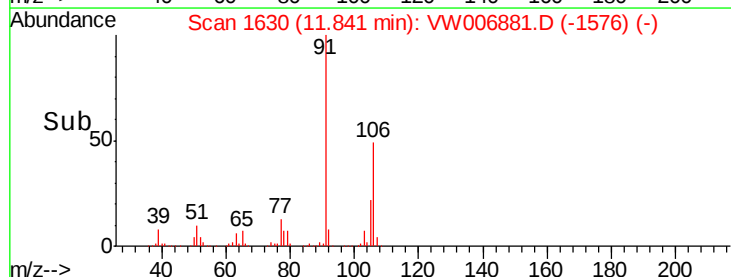
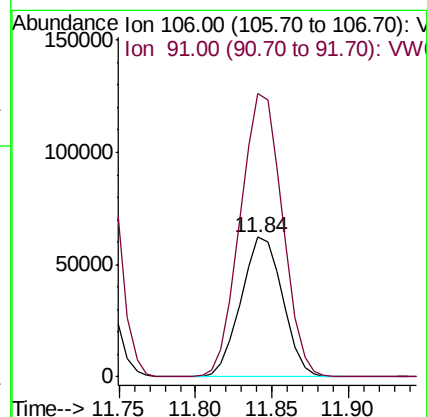
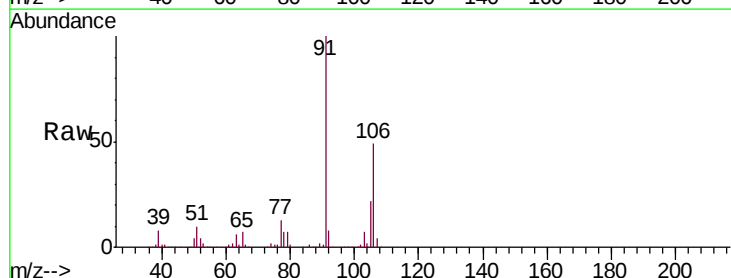
Acq: 14 Nov 2018 21:13

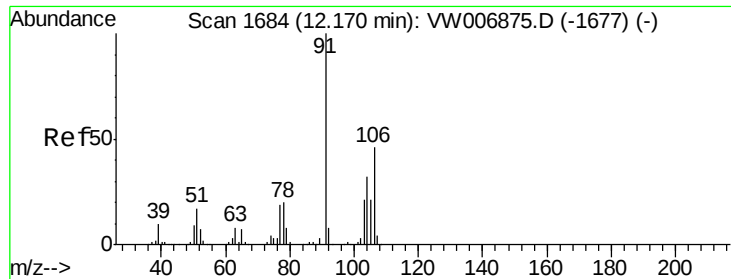
Tgt Ion: 106 Resp: 118215

Ion Ratio Lower Upper

106 100

91 202.9 141.5 262.9

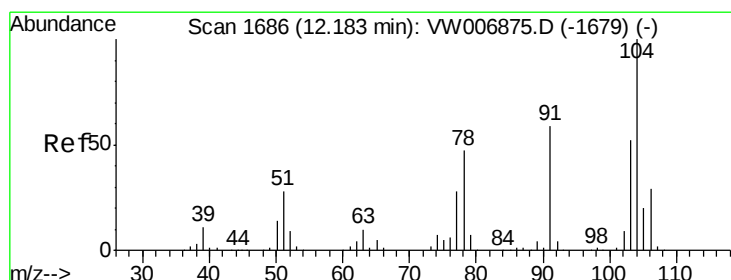
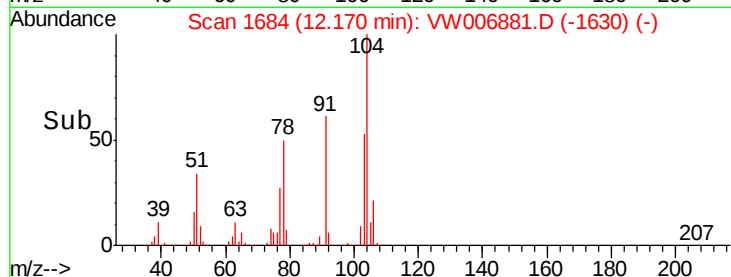
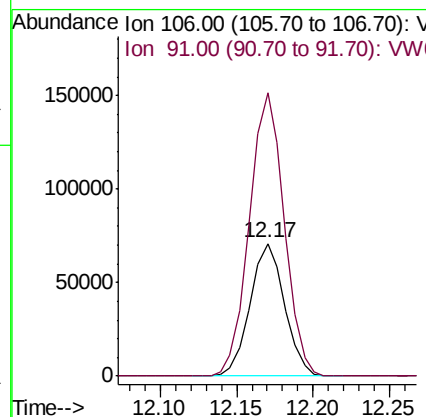
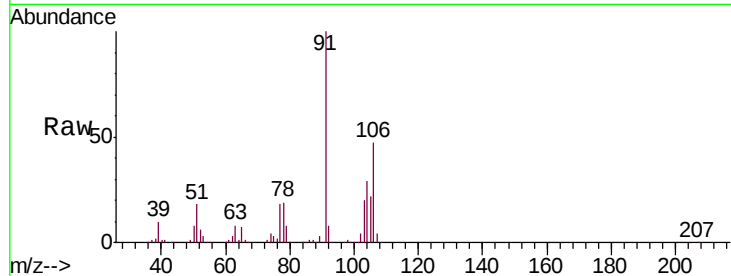




#55
o-xylene
Concen: 25.588 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

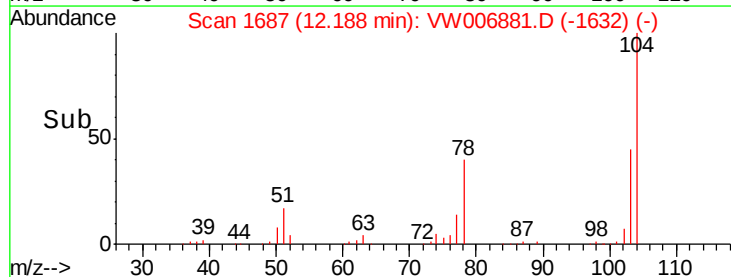
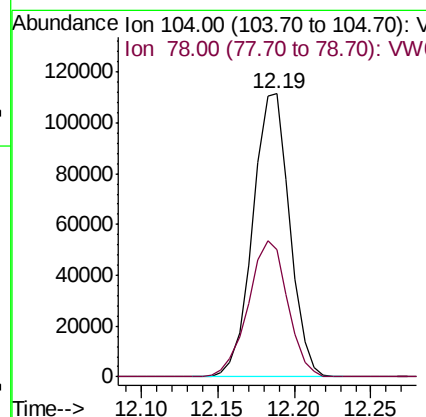
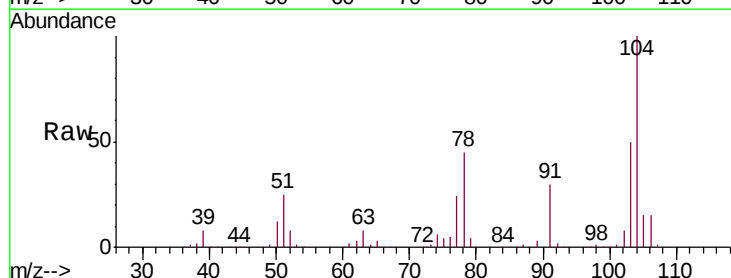
Instrument :
MSVOA_W
ClientSampled :
VSTD02588

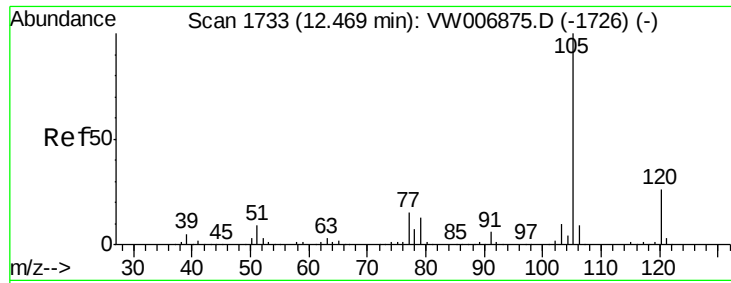
Tgt Ion:106 Resp: 110905
Ion Ratio Lower Upper
106 100
91 213.2 151.3 281.1



#56
Styrene
Concen: 25.993 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006881.D
Acq: 14 Nov 2018 21:13

Tgt Ion:104 Resp: 186754
Ion Ratio Lower Upper
104 100
78 44.9 32.8 60.8





#57

Isopropylbenzene

Concen: 24.843 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

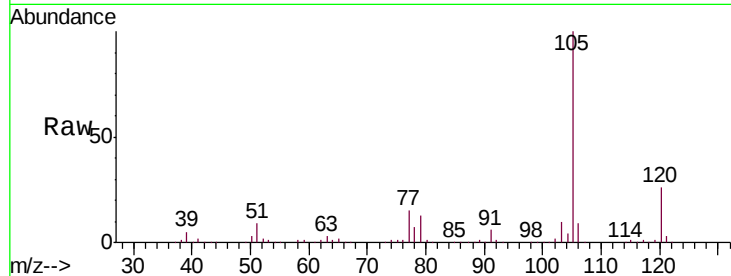
Tgt Ion: 105 Resp: 301445

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

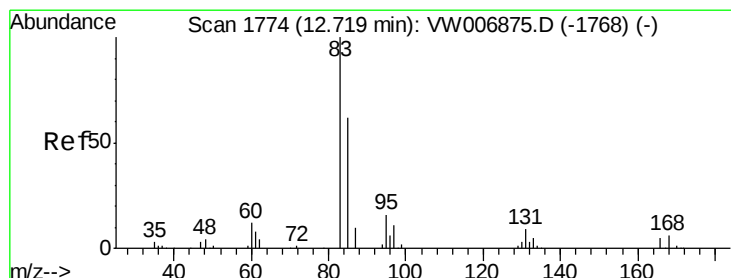
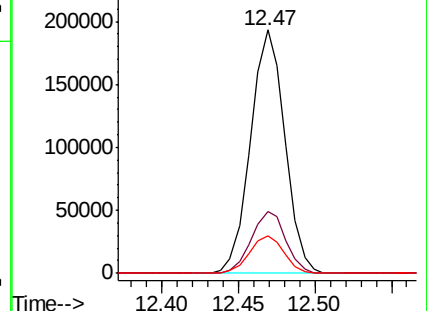
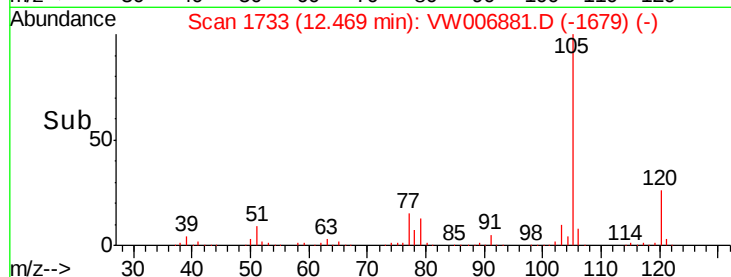
77 15.4 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.015 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

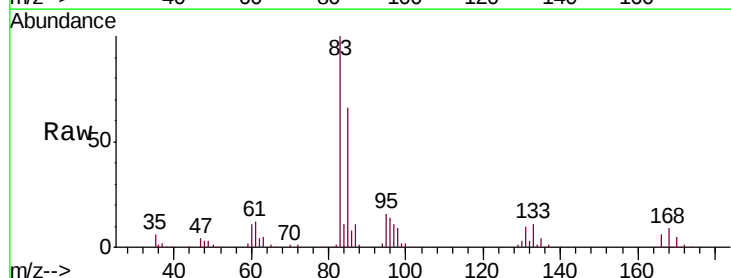
Tgt Ion: 83 Resp: 58695

Ion Ratio Lower Upper

83 100

85 66.1 44.4 82.5

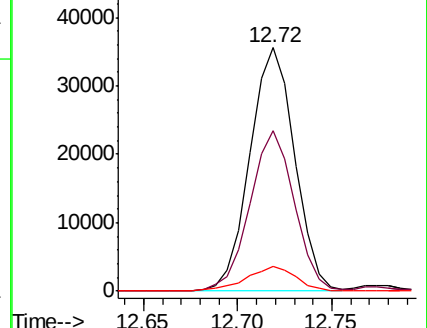
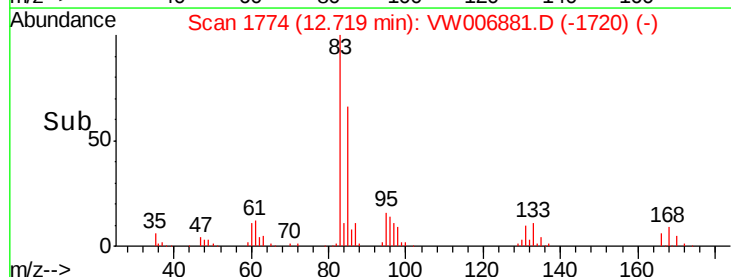
131 10.1 8.0 12.0

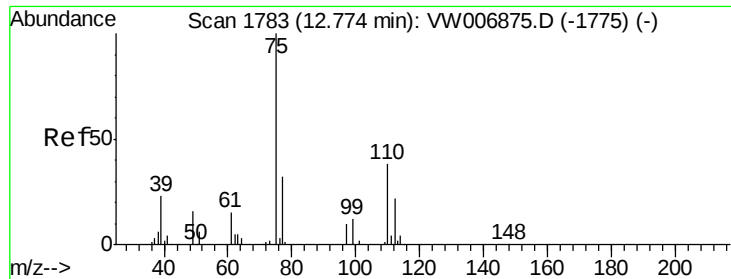


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

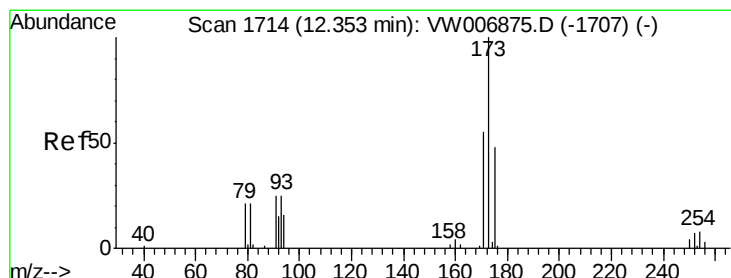
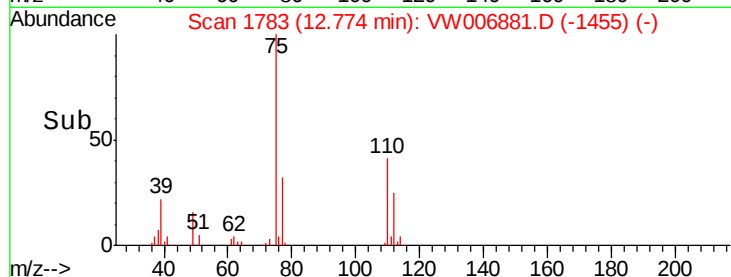
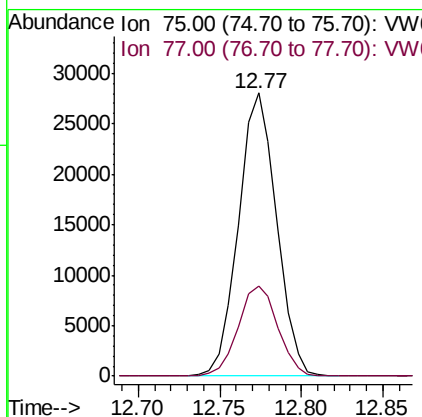
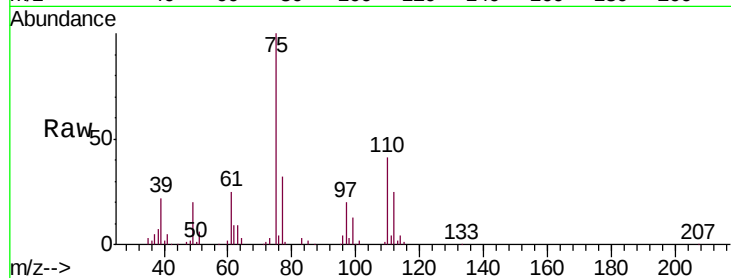




#59
 1,2,3-Trichloropropane
 Concen: 26.992 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

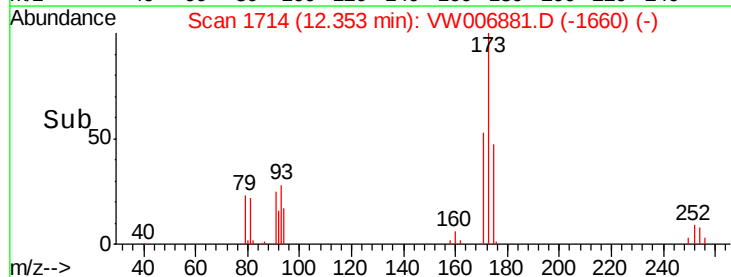
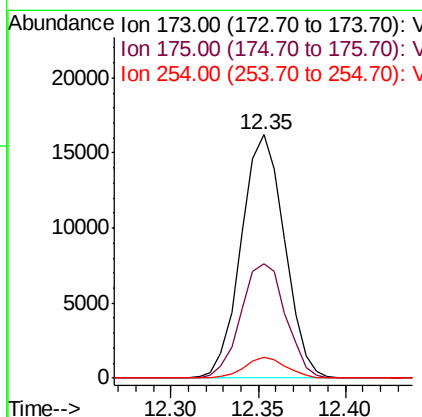
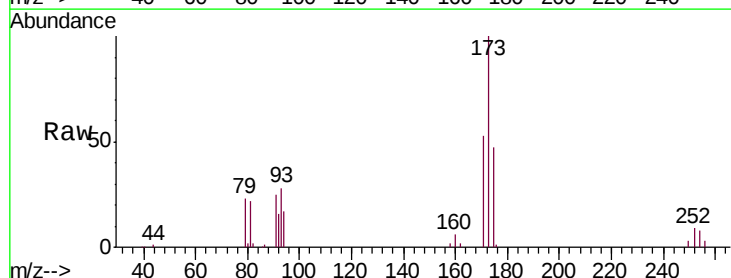
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

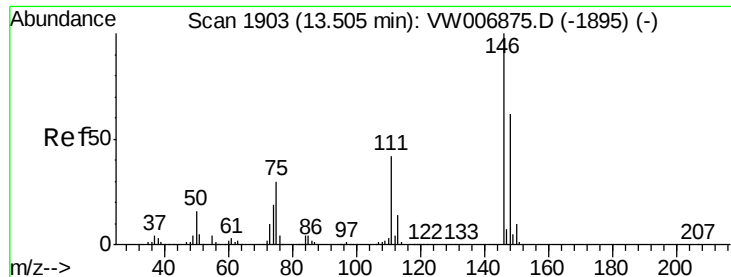
Tgt Ion: 75 Resp: 45671
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.5 39.7



#62
 Bromoform
 Concen: 28.309 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Tgt Ion: 173 Resp: 27978
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.5 59.3
 254 8.1 6.4 9.6

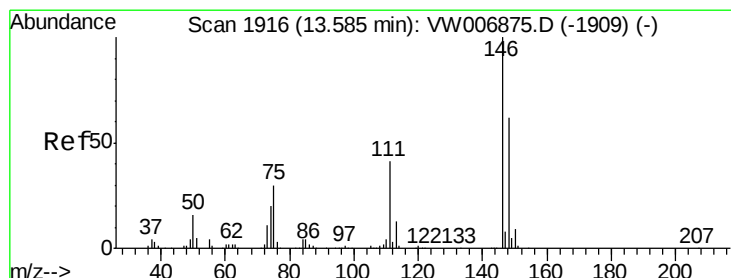
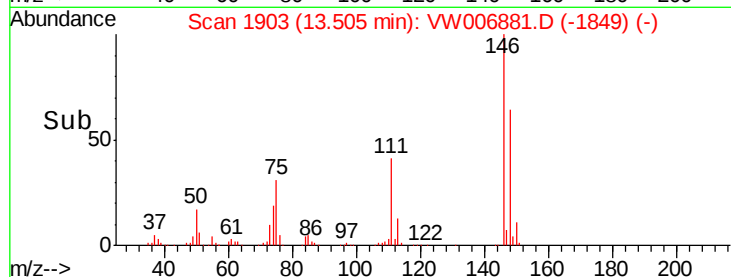
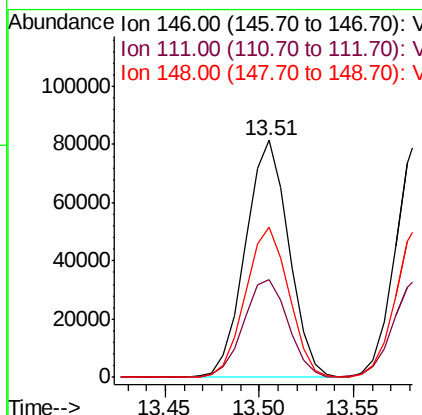
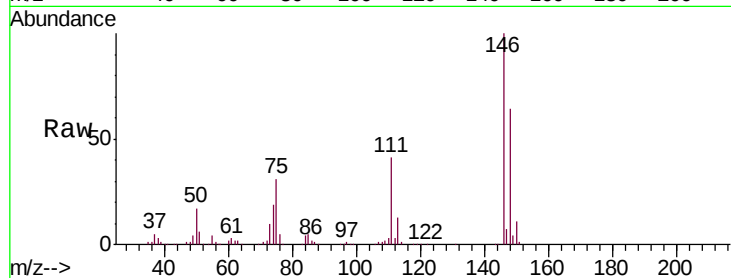




#63
 1,3-Dichlorobenzene
 Concen: 25.449 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

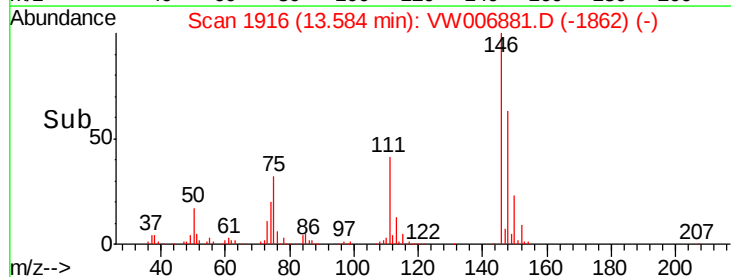
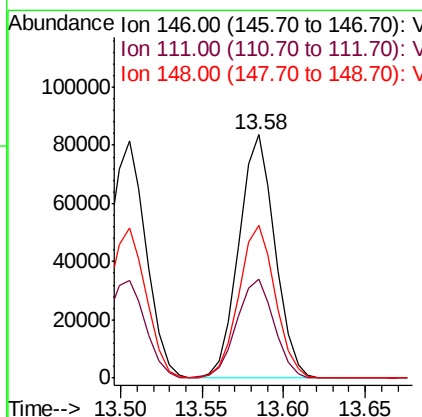
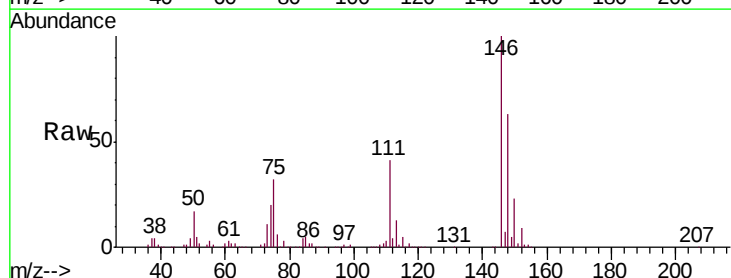
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

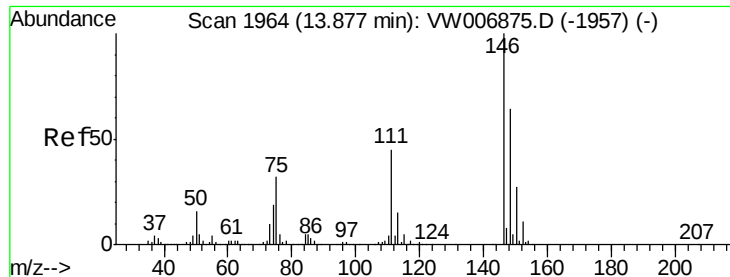
Tgt Ion:146 Resp: 129928
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.3 54.3
 148 63.7 43.0 80.0



#64
 1,4-Dichlorobenzene
 Concen: 25.328 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Tgt Ion:146 Resp: 129082
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.8 53.4
 148 62.7 43.2 80.2

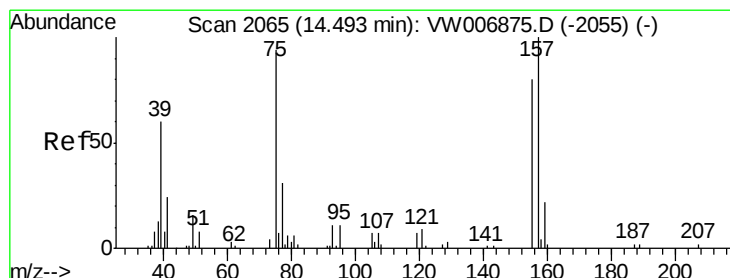
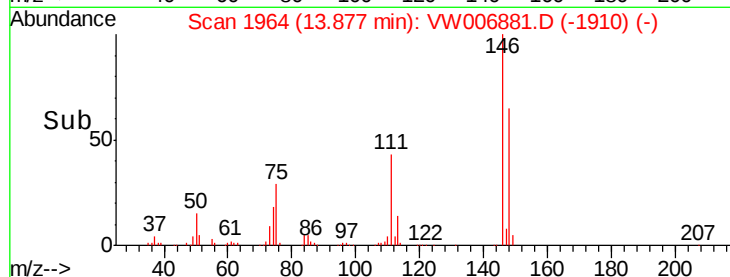
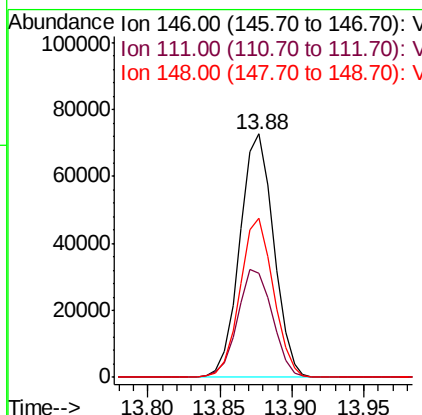
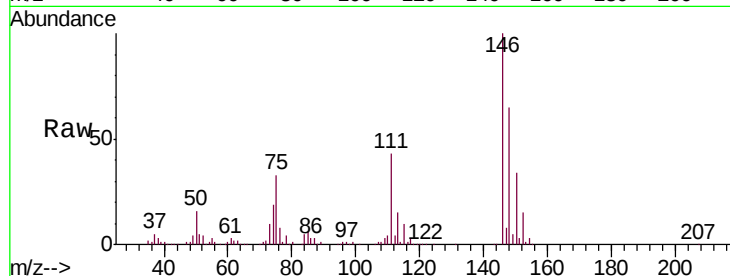




#65
 1,2-Dichlorobenzene
 Concen: 25.831 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

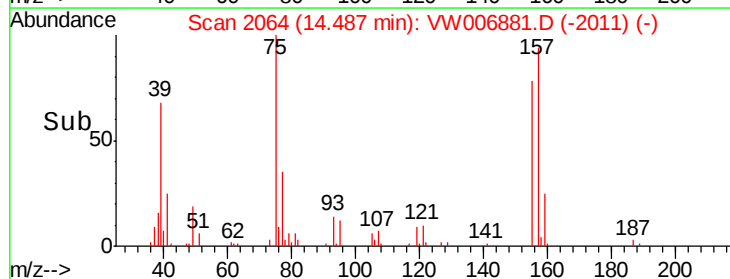
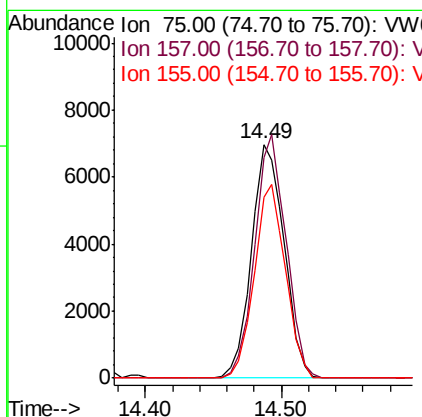
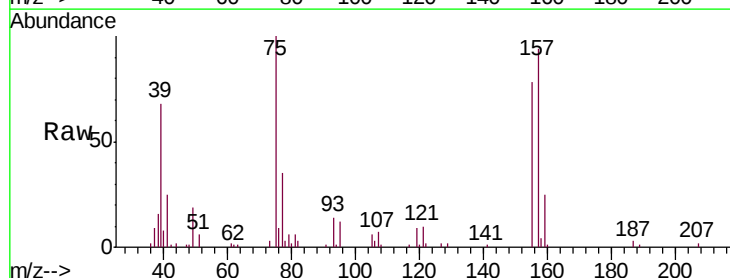
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

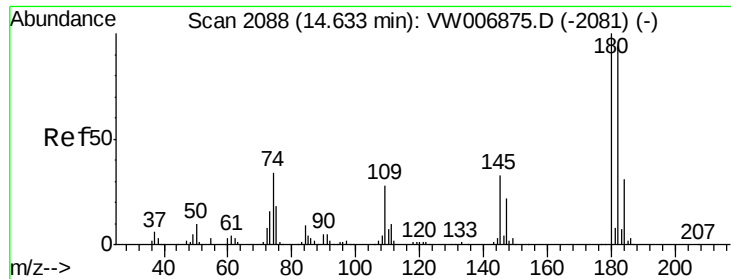
Tgt Ion: 146 Resp: 118606
 Ion Ratio Lower Upper
 146 100
 111 42.9 36.0 54.0
 148 65.3 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.554 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Tgt Ion: 75 Resp: 11729
 Ion Ratio Lower Upper
 75 100
 157 94.3 85.0 127.6
 155 77.6 67.7 101.5

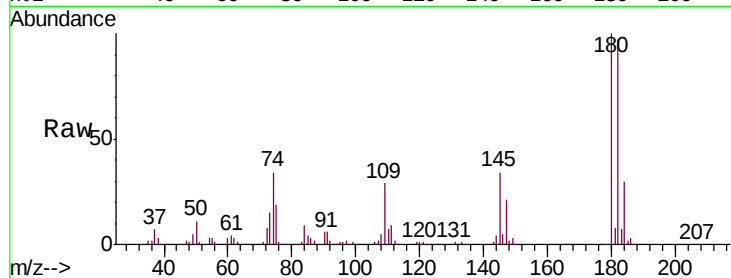




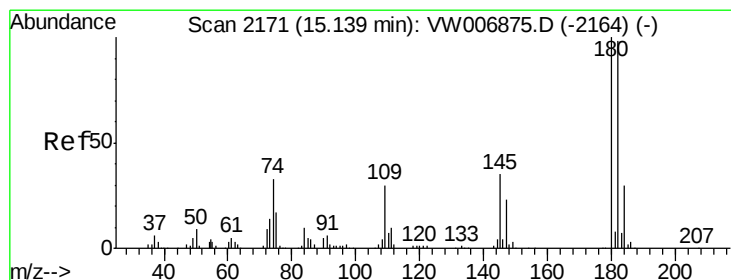
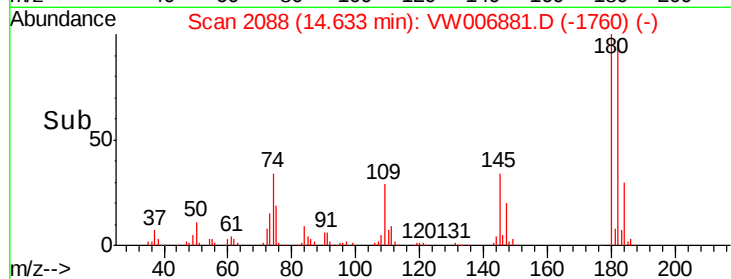
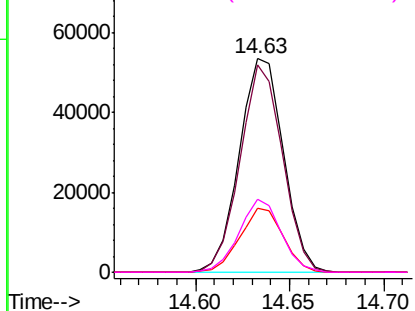
#67
 1,3,5-Trichlorobenzene
 Concen: 25.102 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tgt Ion:180 Resp: 87089
 Ion Ratio Lower Upper
 180 100
 182 93.3 75.6 113.4
 184 29.3 24.2 36.4
 145 32.7 26.4 39.6

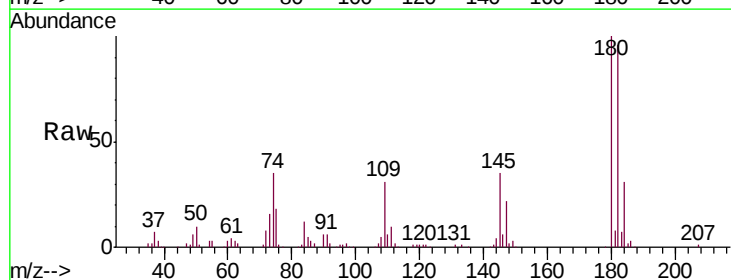


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

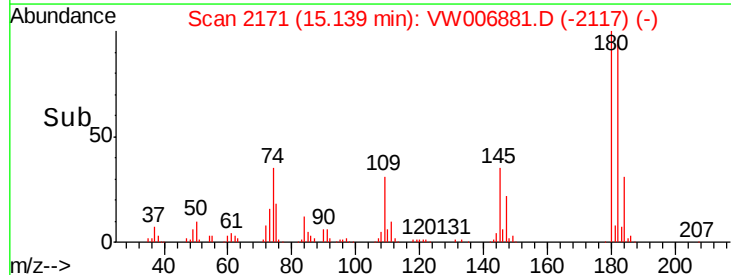
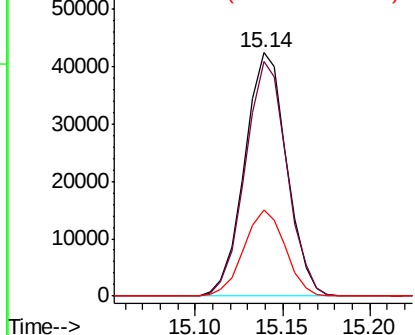


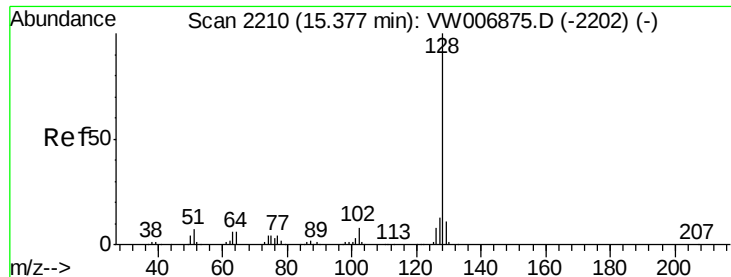
#68
 1,2,4-trichlorobenzene
 Concen: 25.236 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006881.D
 Acq: 14 Nov 2018 21:13

Tgt Ion:180 Resp: 71350
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.5 113.3
 145 34.8 27.4 41.2



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: 26.882 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

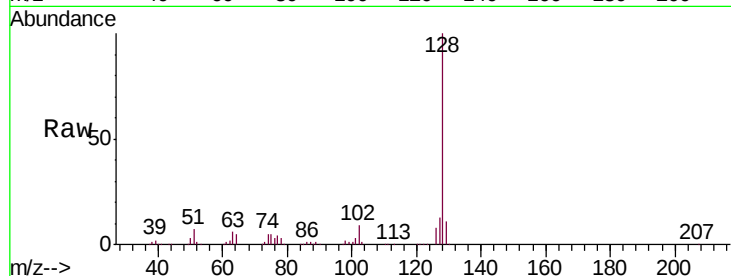
Tgt Ion:128 Resp: 182194

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

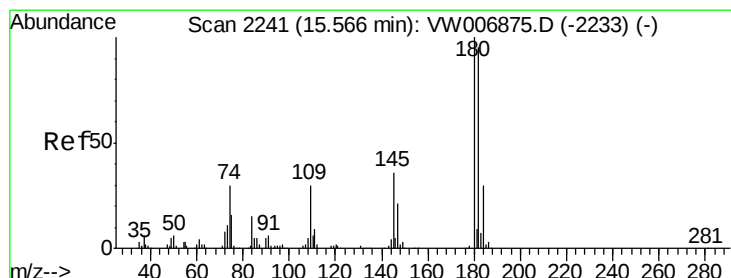
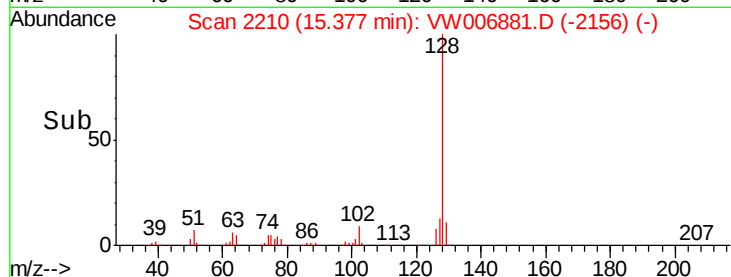
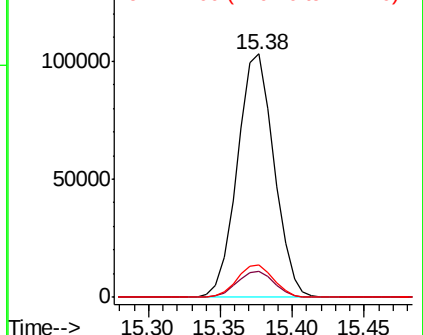
127 13.4 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.748 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006881.D

Acq: 14 Nov 2018 21:13

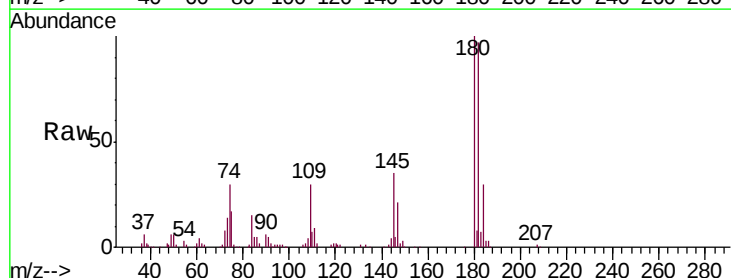
Tgt Ion:180 Resp: 64719

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 36.5 28.8 43.2



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

