

Data File : VW011388.D
Acq On : 19 Jul 2019 19:50
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Jul 20 00:51:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 20 00:46:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	294862	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	266783	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	129746	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104133	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.52%
7) Chloroethane-d5	2.89	69	83346	26.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.52%
10) 1,1-Dichloroethene-d2	4.02	63	244637	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.64%
20) 2-Butanone-d5	7.07	46	115985	65.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.80%
24) Chloroform-d	7.65	84	219665	27.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.72%
26) 1,2-Dichloroethane-d4	8.30	65	133480	26.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.28%
29) Benzene-d6	8.27	84	451278	27.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.84%
33) 1,2-Dichloropropane-d6	9.27	67	147741	27.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.44%
37) Toluene-d8	10.32	98	404287	27.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.40%
38) trans-1,3-Dichloropropene-	10.58	79	62072	27.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.12%
39) 2-Hexanone-d5	10.92	63	79330	64.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130459	29.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	133239	26.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	85697	23.630 ug/L	100
3) Chloromethane	2.21	50	97714	24.818 ug/L	98
5) Vinyl chloride	2.36	62	104901	20.413 ug/L	83
6) Bromomethane	2.78	94	48697	20.255 ug/L	99
8) Chloroethane	2.92	64	67325	25.920 ug/L	93
9) Trichlorofluoromethane	3.25	101	51877	29.484 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	101591	25.913 ug/L	98
12) 1,1-Dichloroethene	4.04	96	92338	23.830 ug/L	86
13) Acetone	4.12	43	90050	51.982 ug/L	99
14) Carbon disulfide	4.38	76	252489	22.779 ug/L	98
15) Methyl Acetate	4.67	43	88084	31.248 ug/L	98
16) Methylene chloride	4.92	84	105519	24.353 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	169570	28.218 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	96435	24.628 ug/L	98
19) 1,1-Dichloroethane	6.21	63	210898	26.531 ug/L	98
21) 2-Butanone	7.16	43	129650	57.975 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	108815	25.673 ug/L	98

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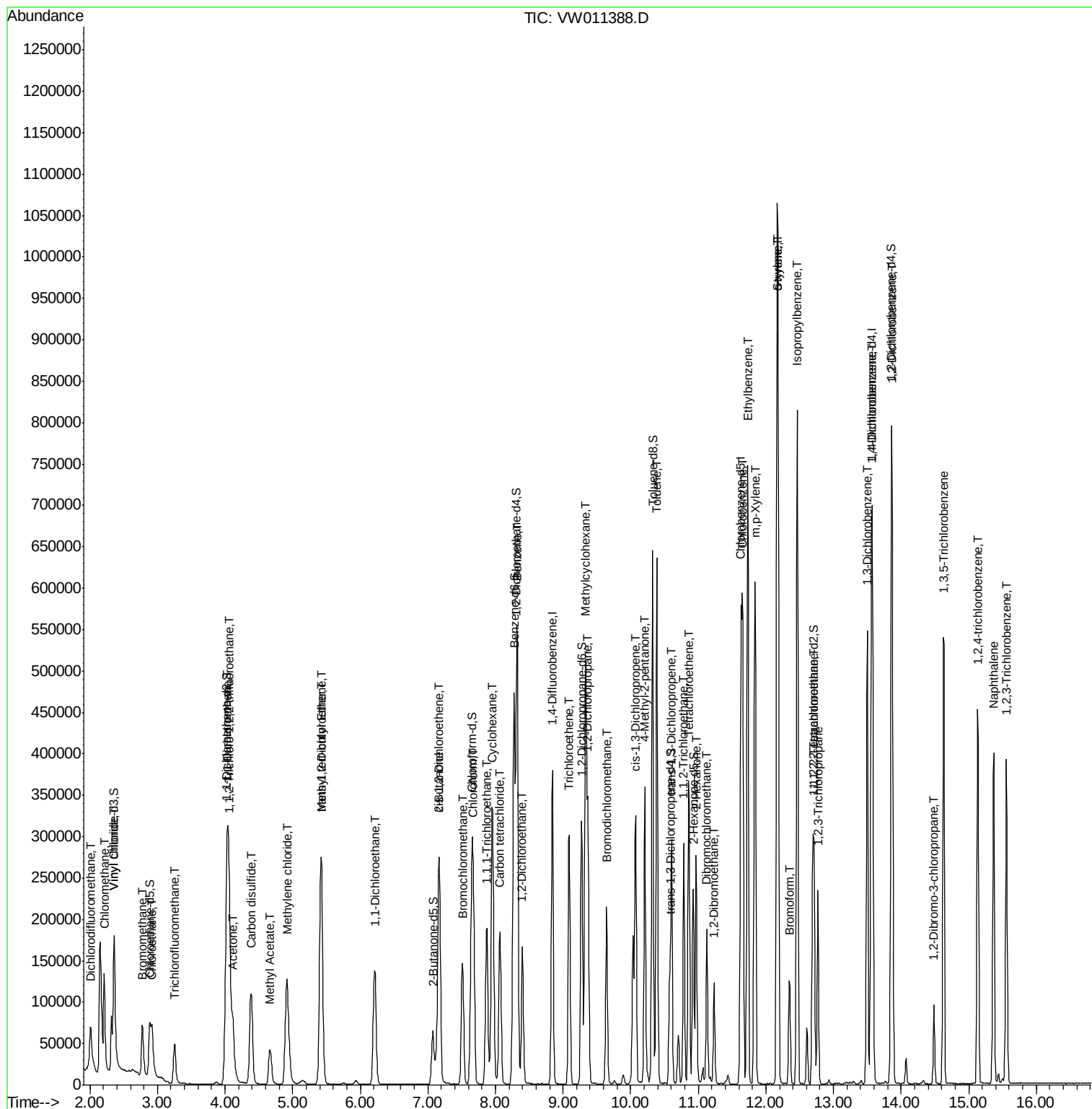
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	46060	25.899	ug/L	96
25) Chloroform	7.68	83	195365	25.946	ug/L	100
27) 1,2-Dichloroethane	8.40	62	147193	25.573	ug/L	100
30) Cyclohexane	7.95	56	201844	24.884	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	151396	27.342	ug/L	99
32) Carbon tetrachloride	8.07	117	133343	25.678	ug/L	99
34) Benzene	8.32	78	431213	25.862	ug/L	100
35) Trichloroethene	9.09	95	108010	25.670	ug/L	99
36) Methylcyclohexane	9.34	83	187759	24.797	ug/L	99
40) 1,2-Dichloropropane	9.37	63	121872	26.674	ug/L	99
41) Bromodichloromethane	9.64	83	144559	27.443	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	178767	26.518	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	252414	59.597	ug/L	100
44) Toluene	10.39	91	450657	26.113	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	148090	26.549	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	85789	27.115	ug/L	97
47) Tetrachloroethene	10.86	164	80365	25.272	ug/L	99
49) 2-Hexanone	10.97	43	183105	59.394	ug/L	99
50) Dibromochloromethane	11.13	129	93659	27.799	ug/L	96
51) 1,2-Dibromoethane	11.23	107	83357	27.285	ug/L	99
52) Chlorobenzene	11.66	112	271432	25.744	ug/L	100
53) Ethylbenzene	11.73	91	509020	26.003	ug/L	99
54) m,p-Xylene	11.84	106	184229	25.921	ug/L	91
55) o-xylene	12.16	106	176839	26.155	ug/L	99
56) Styrene	12.18	104	309312	26.668	ug/L	100
57) Isopropylbenzene	12.46	105	494419	26.789	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	121242	28.804	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	94162	29.131	ug/L	99
62) Bromoform	12.35	173	57228	29.595	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	207799	26.032	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	212690	26.028	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	198195	26.674	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23111	31.680	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	161980	26.782	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	136750	26.989	ug/L	100
69) Naphthalene	15.37	128	321224	30.271	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	129631	27.962	ug/L	100

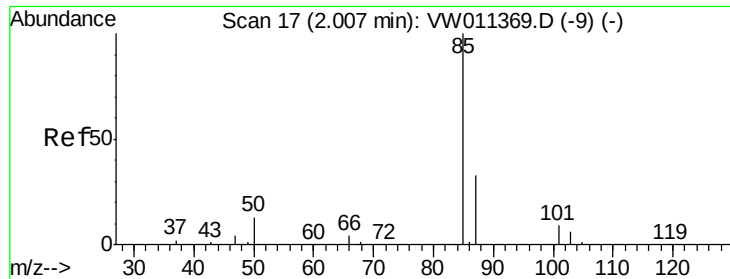
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.630 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

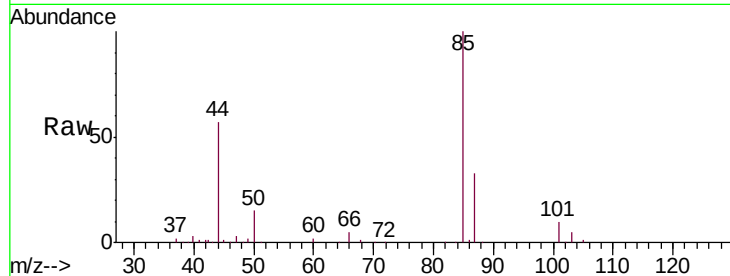
VSTD02514

Tgt Ion: 85 Resp: 85697

Ion Ratio Lower Upper

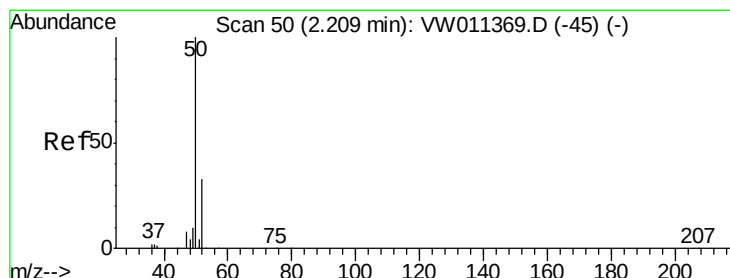
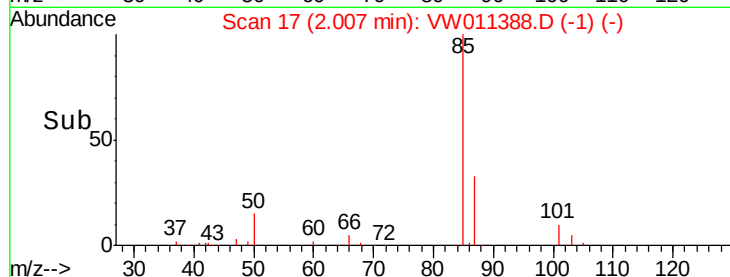
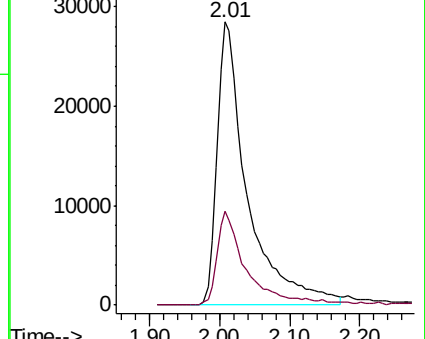
85 100

87 29.5 20.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.818 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011388.D

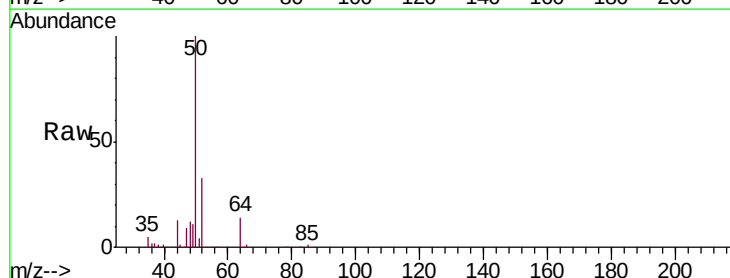
Acq: 19 Jul 2019 19:50

Tgt Ion: 50 Resp: 97714

Ion Ratio Lower Upper

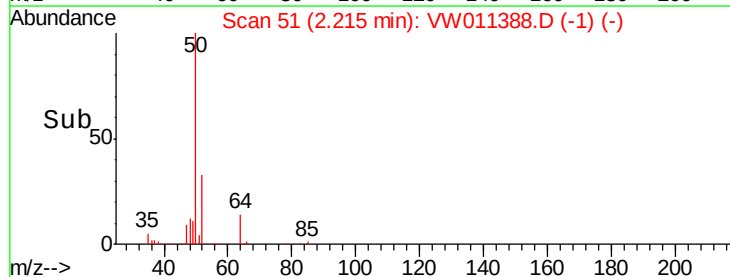
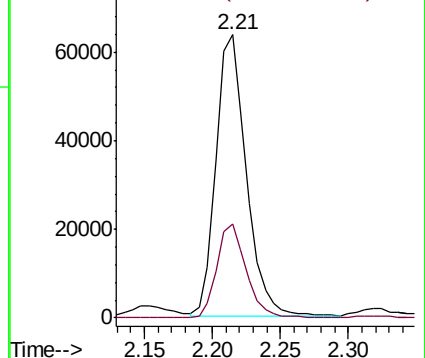
50 100

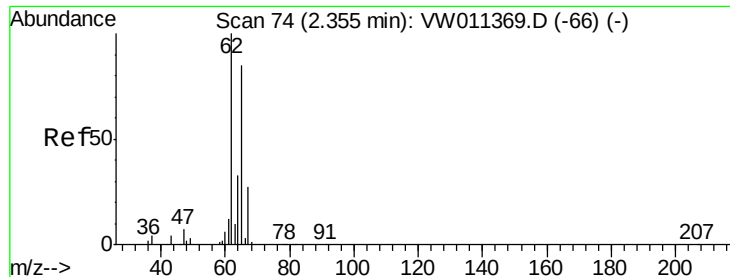
52 33.3 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 20.413 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

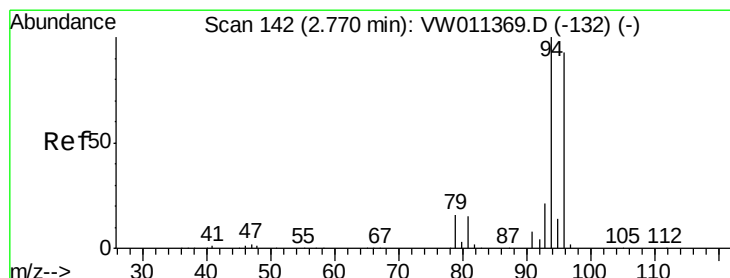
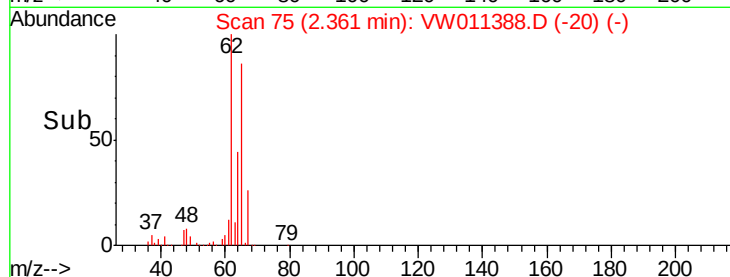
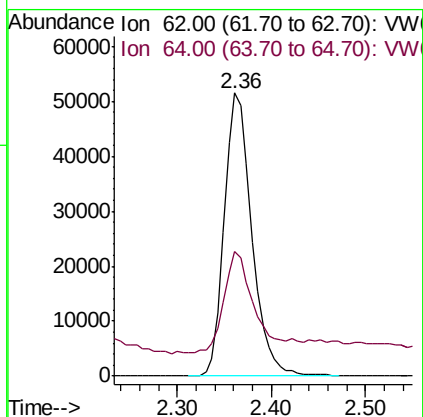
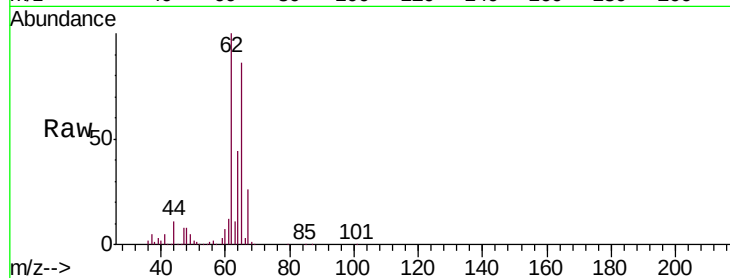
VSTD02514

Tgt Ion: 62 Resp: 104901

Ion Ratio Lower Upper

62 100

64 44.0 23.9 44.3



#6

Bromomethane

Concen: 20.255 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW011388.D

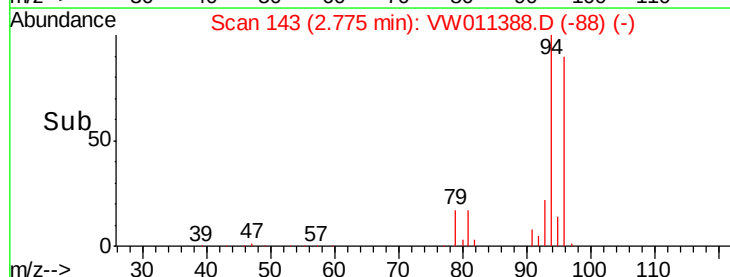
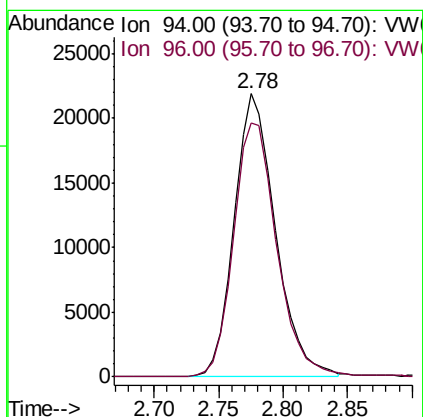
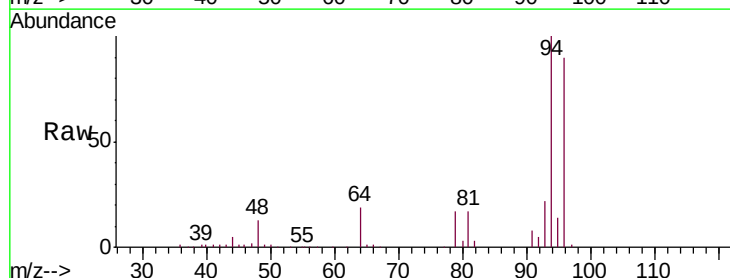
Acq: 19 Jul 2019 19:50

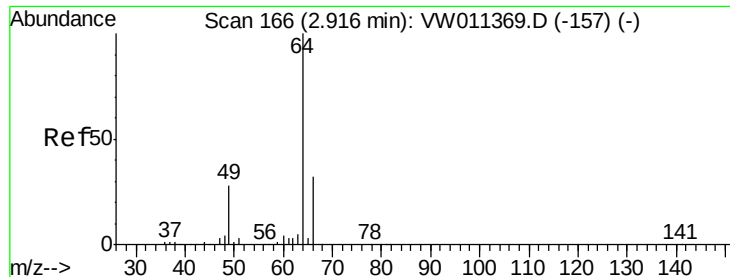
Tgt Ion: 94 Resp: 48697

Ion Ratio Lower Upper

94 100

96 94.3 9.3 177.3





#8

Chloroethane

Concen: 25.920 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

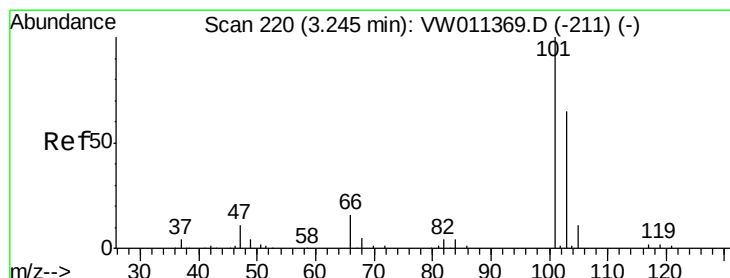
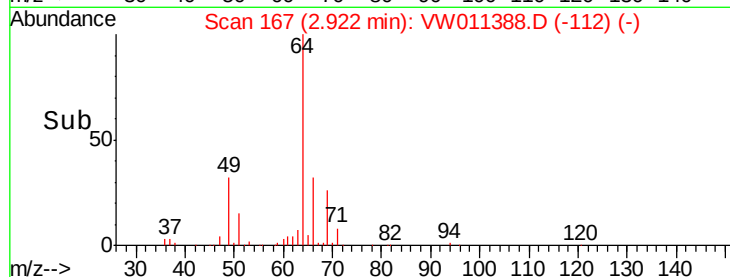
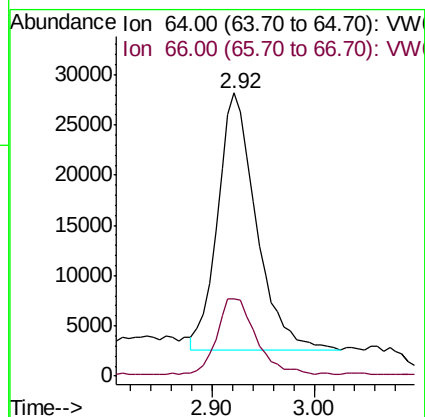
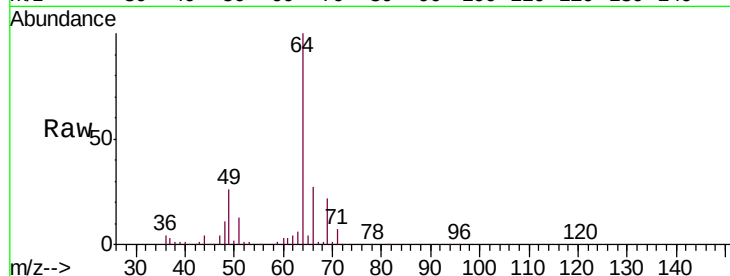
VSTD02514

Tgt Ion: 64 Resp: 67325

Ion Ratio Lower Upper

64 100

66 27.4 21.9 40.7



#9

Trichlorofluoromethane

Concen: 29.484 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW011388.D

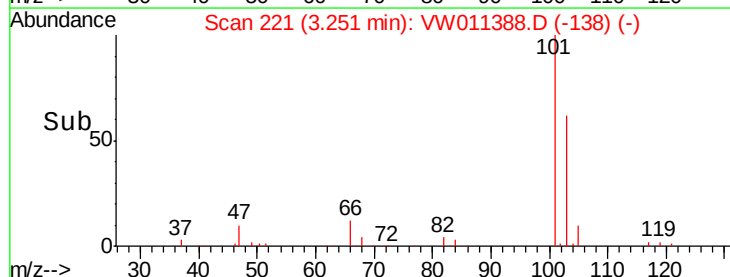
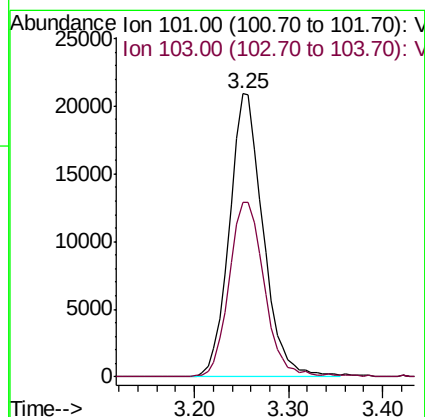
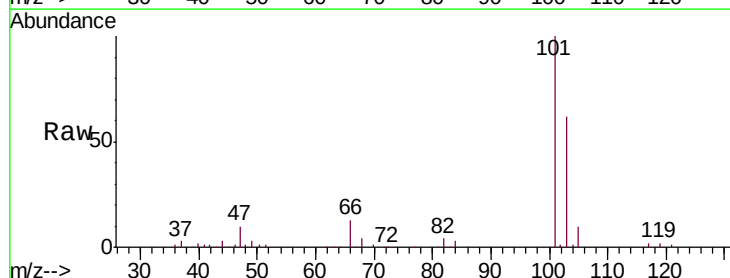
Acq: 19 Jul 2019 19:50

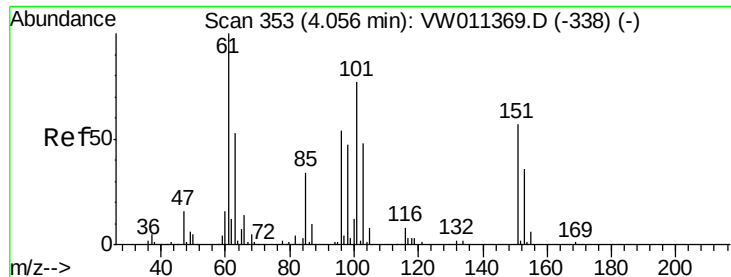
Tgt Ion: 101 Resp: 51877

Ion Ratio Lower Upper

101 100

103 64.2 44.6 82.8





#11

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

Concen: 25.913 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

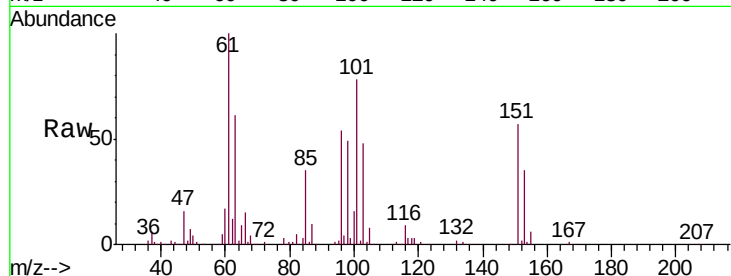
Tgt Ion:101 Resp: 101591

Ion Ratio Lower Upper

101 100

85 44.5 33.8 50.8

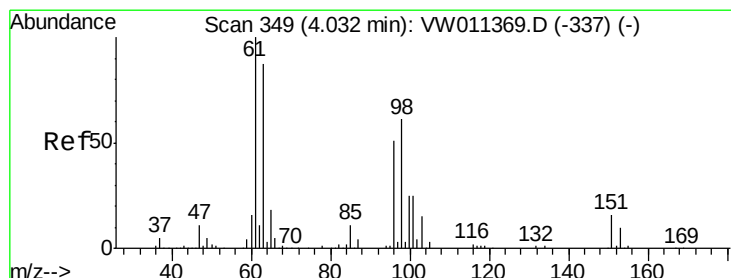
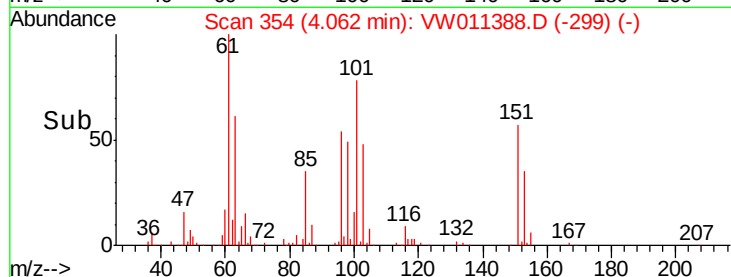
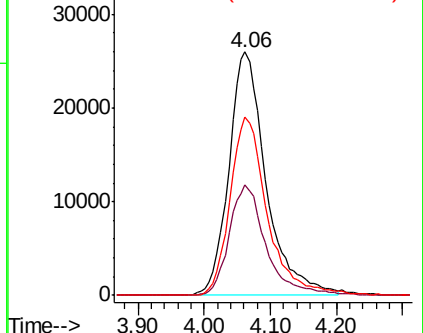
151 72.6 56.9 85.3



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: 23.830 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

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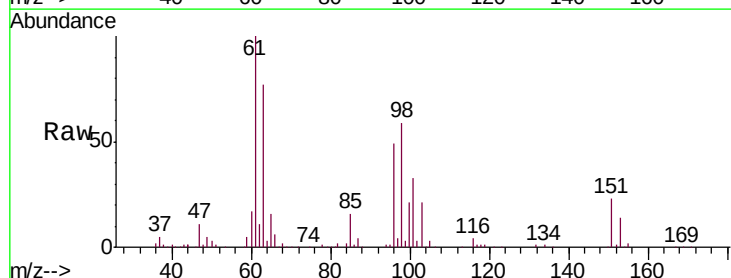
Tgt Ion: 96 Resp: 92338

Ion Ratio Lower Upper

96 100

61 204.8 142.2 264.0

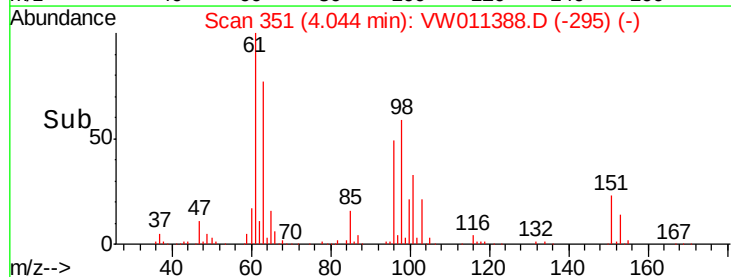
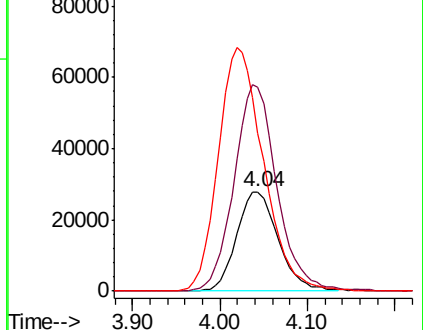
63 157.9 138.9 257.9

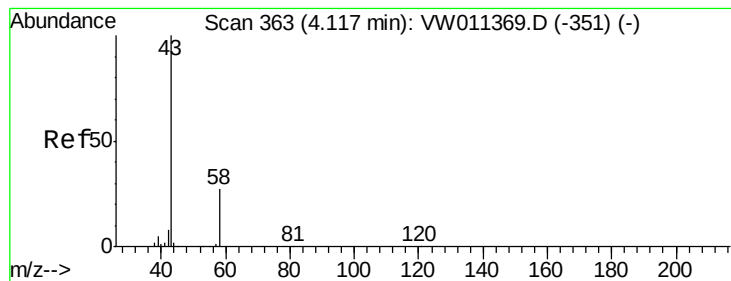


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.982 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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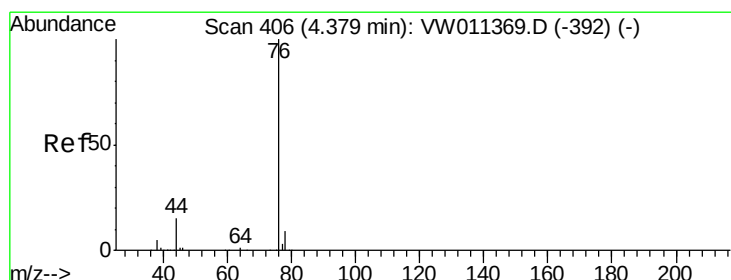
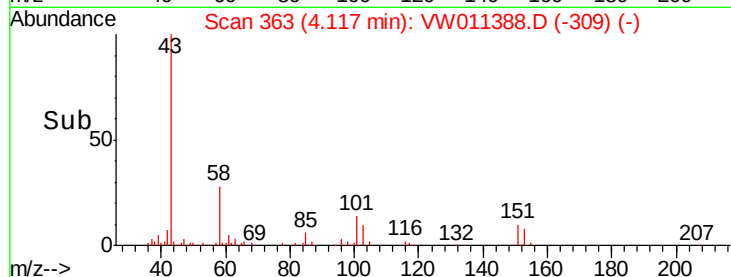
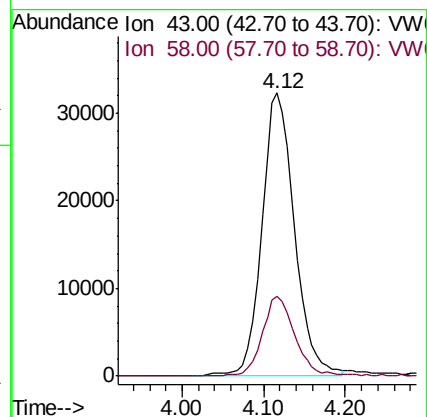
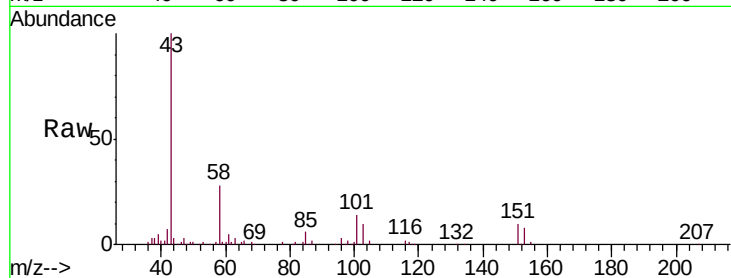
VSTD02514

Tgt Ion: 43 Resp: 90050

Ion Ratio Lower Upper

43 100

58 27.9 0.0 55.0



#14

Carbon disulfide

Concen: 22.779 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011388.D

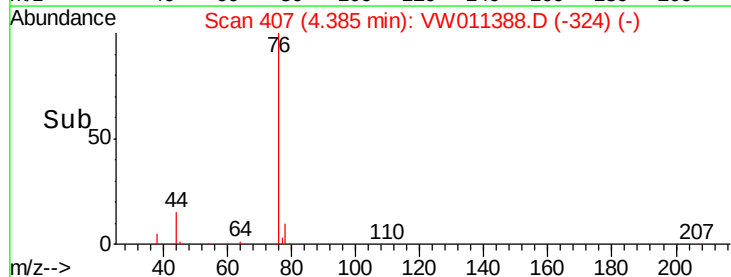
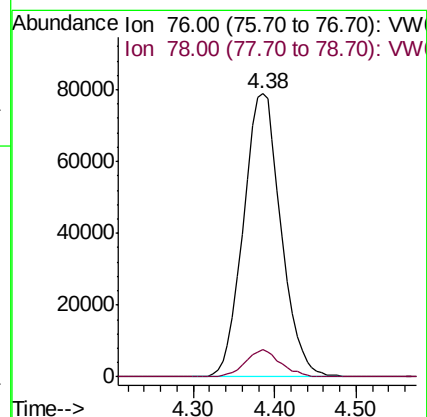
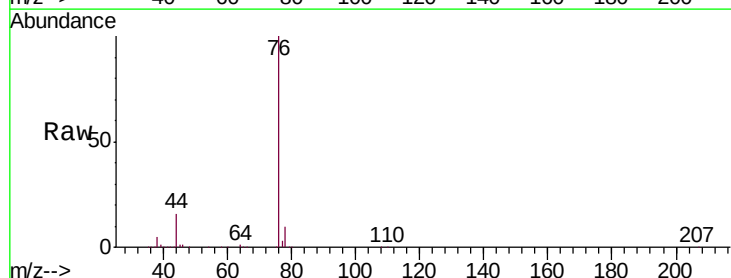
Acq: 19 Jul 2019 19:50

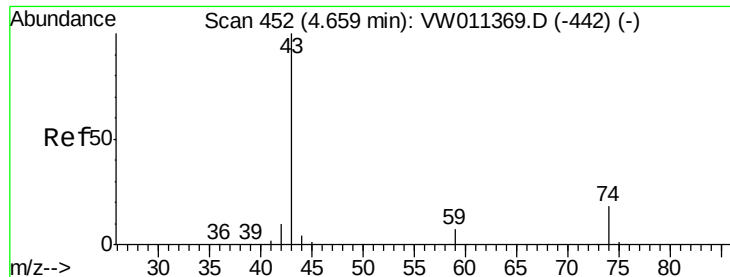
Tgt Ion: 76 Resp: 252489

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9





#15

Methyl Acetate

Concen: 31.248 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

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ClientSampleId :

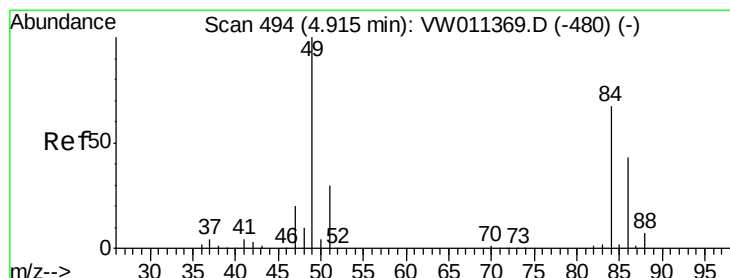
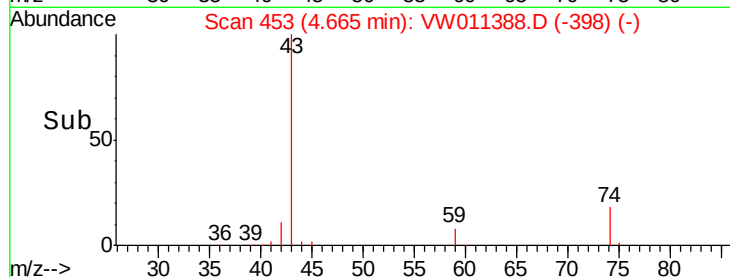
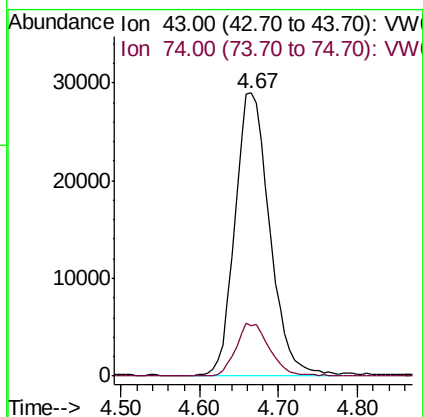
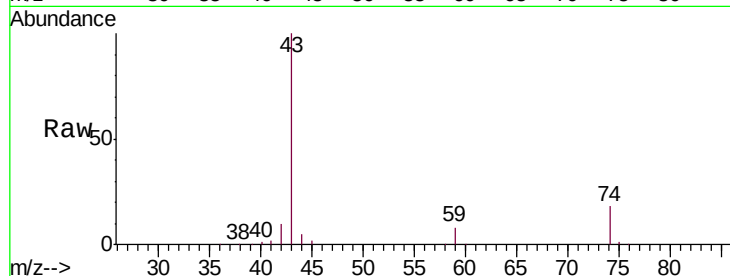
VSTD02514

Tgt Ion: 43 Resp: 88084

Ion Ratio Lower Upper

43 100

74 17.9 15.1 22.7



#16

Methylene chloride

Concen: 24.353 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

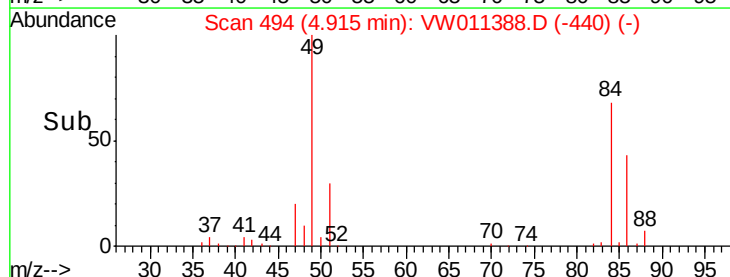
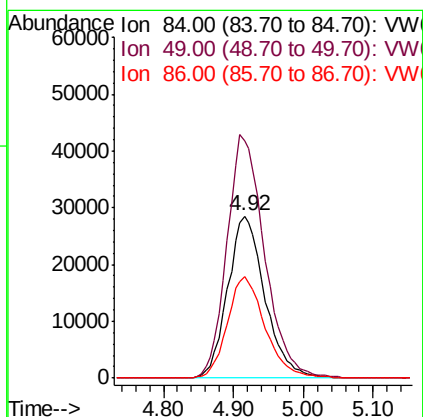
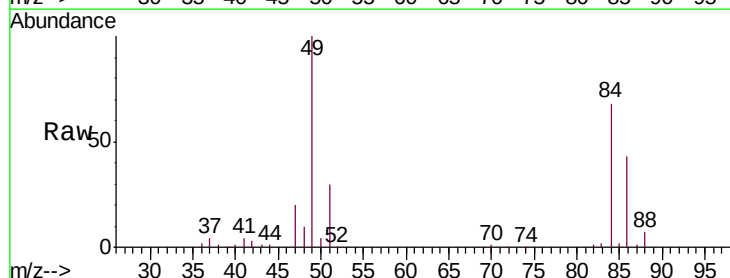
Tgt Ion: 84 Resp: 105519

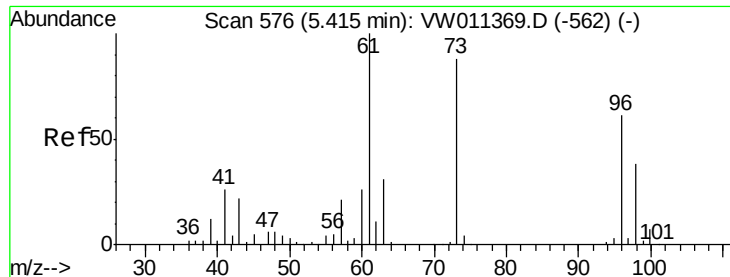
Ion Ratio Lower Upper

84 100

49 146.5 102.5 190.3

86 63.1 46.4 86.2

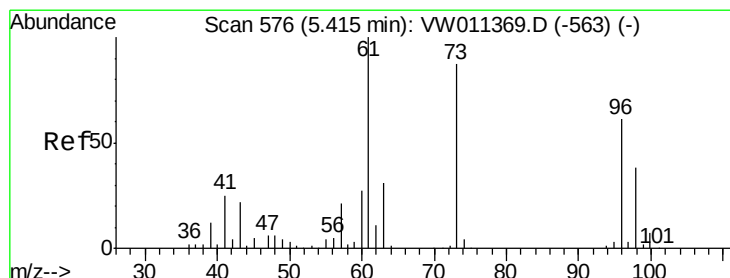
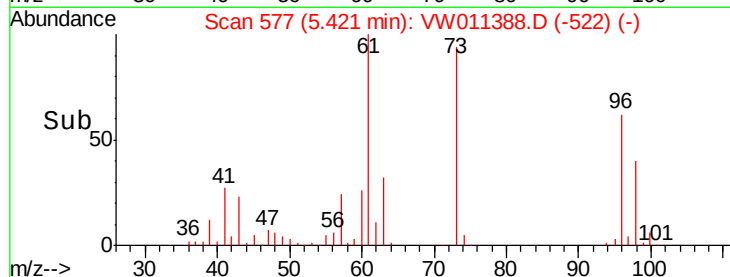
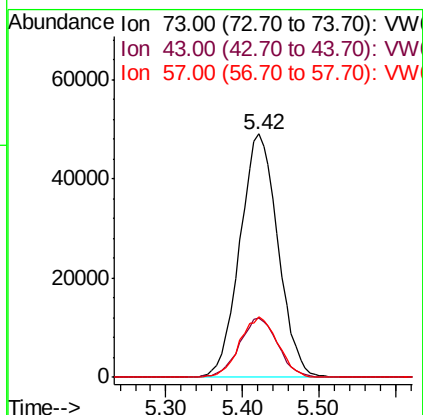
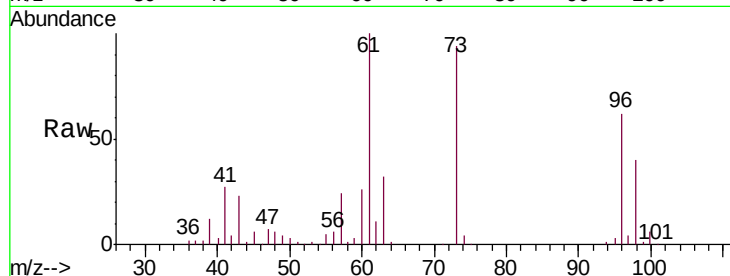




#17
Methyl tert-butyl Ether
Concen: 28.218 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

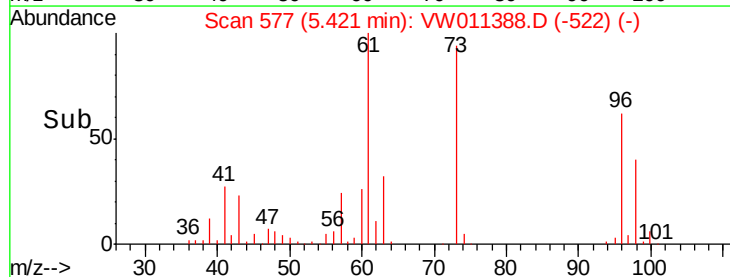
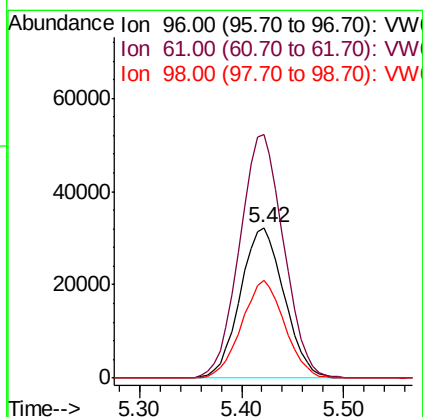
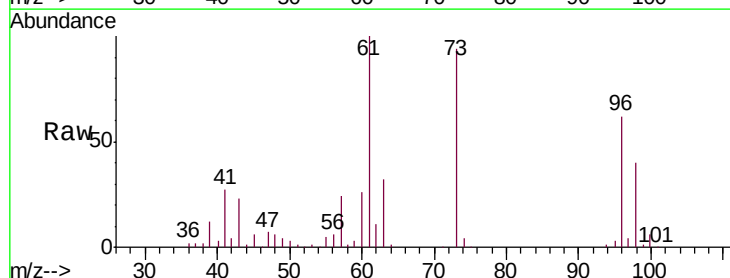
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

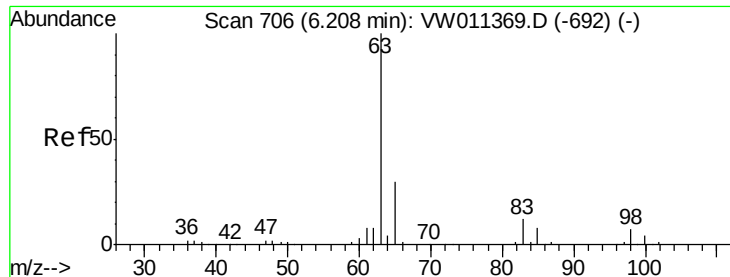
Tgt Ion: 73 Resp: 169570
Ion Ratio Lower Upper
73 100
43 24.2 20.2 30.2
57 24.7 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 24.628 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

Tgt Ion: 96 Resp: 96435
Ion Ratio Lower Upper
96 100
61 161.6 113.7 211.1
98 65.2 43.3 80.3

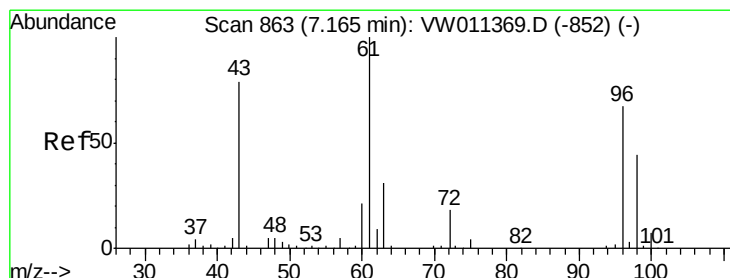
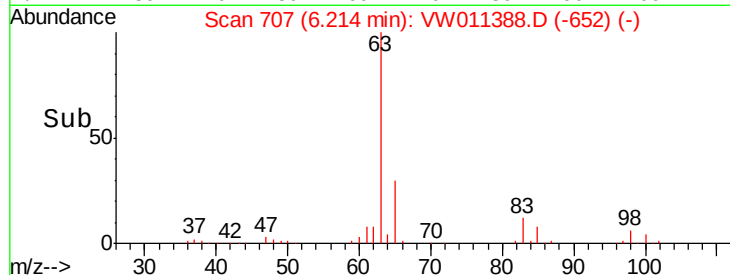
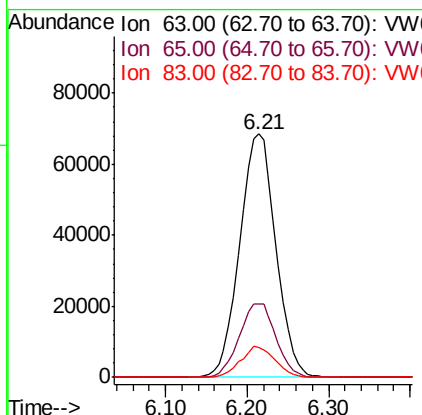
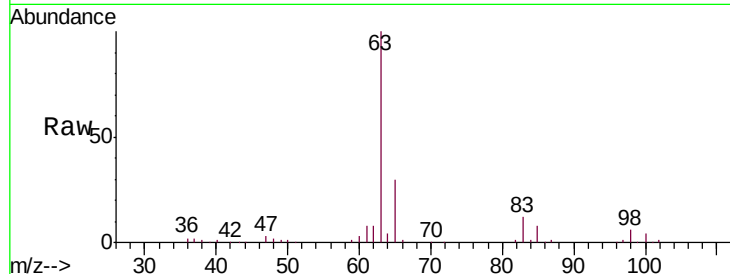




#19
 1,1-Dichloroethane
 Concen: 26.531 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

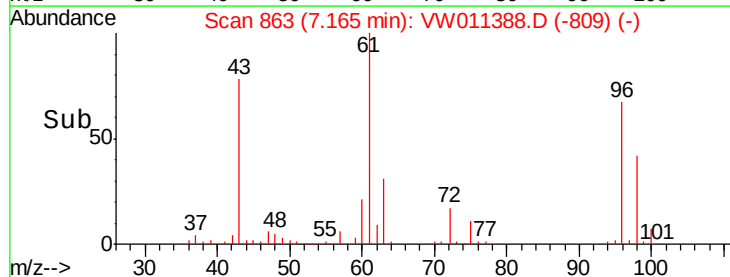
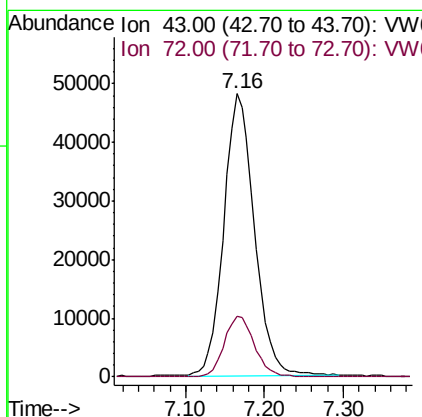
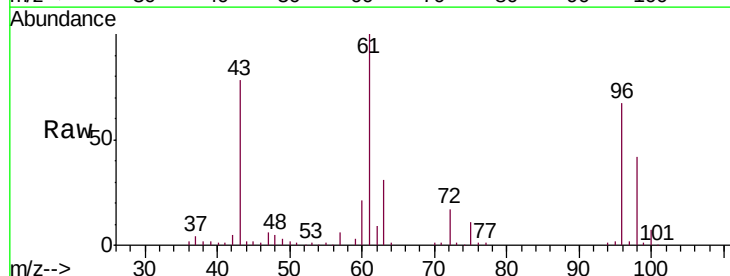
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

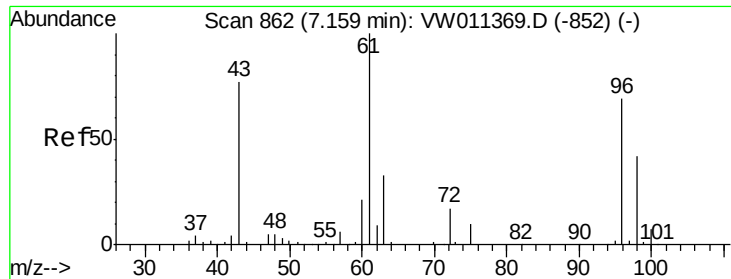
Tgt Ion: 63 Resp: 210898
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.1 41.1
 83 12.2 9.0 16.6



#21
 2-Butanone
 Concen: 57.975 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Tgt Ion: 43 Resp: 129650
 Ion Ratio Lower Upper
 43 100
 72 21.5 11.2 33.6



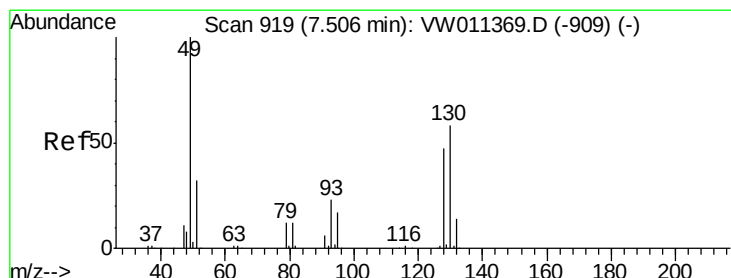
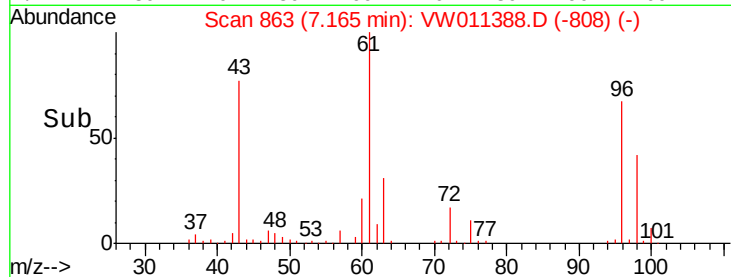
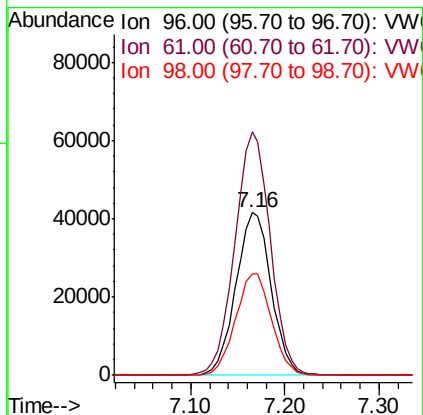
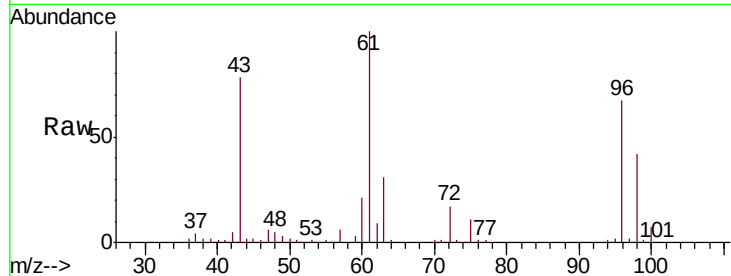


#22

cis-1,2-Dichloroethene
 Concen: 25.673 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

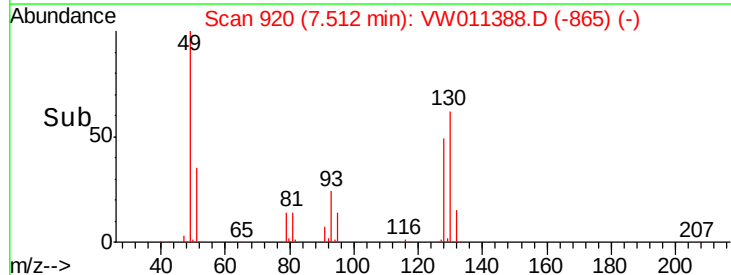
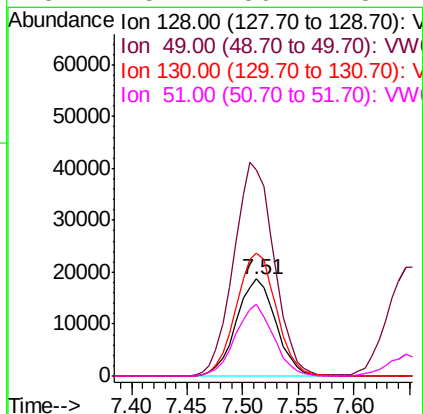
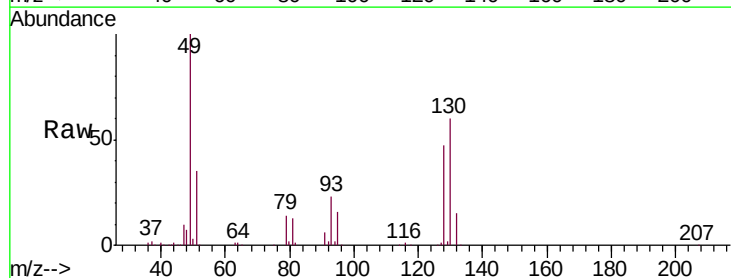
Tgt Ion: 96 Resp: 108815
 Ion Ratio Lower Upper
 96 100
 61 149.8 103.2 191.6
 98 62.4 44.8 83.2

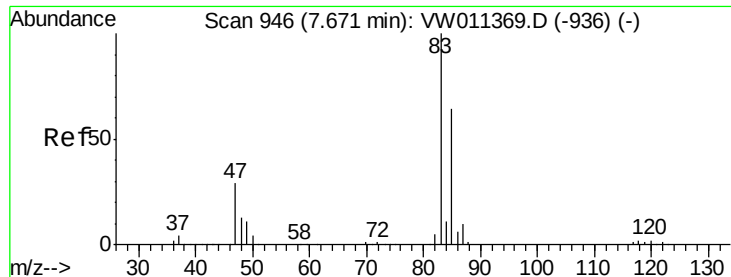


#23

Bromochloromethane
 Concen: 25.899 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Tgt Ion: 128 Resp: 46060
 Ion Ratio Lower Upper
 128 100
 49 213.1 153.8 285.6
 130 126.9 86.4 160.4
 51 73.7 56.2 84.4

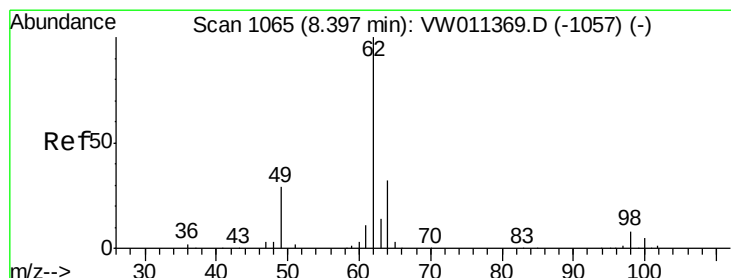
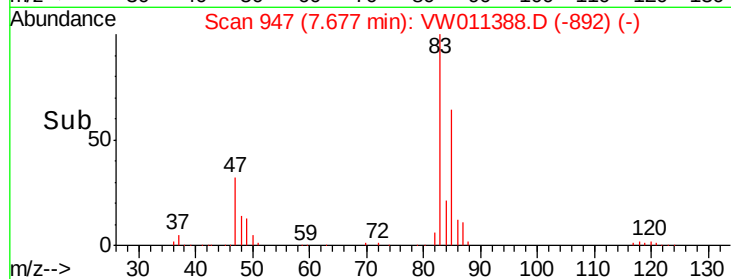
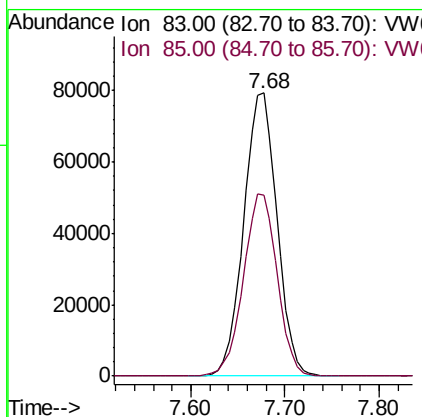
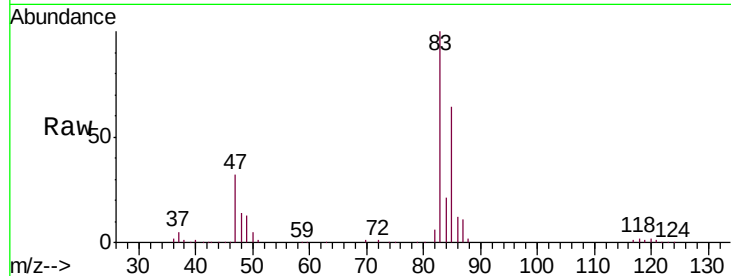




#25
Chloroform
Concen: 25.946 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

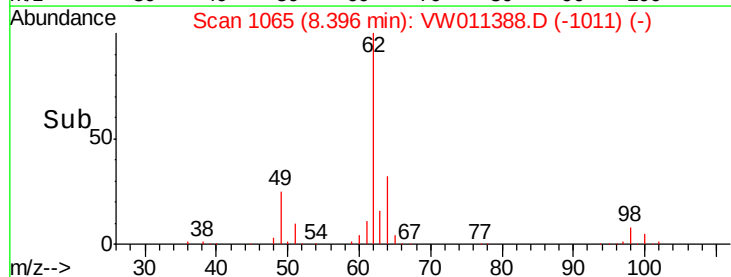
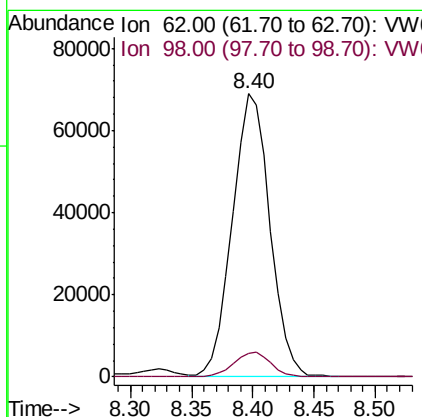
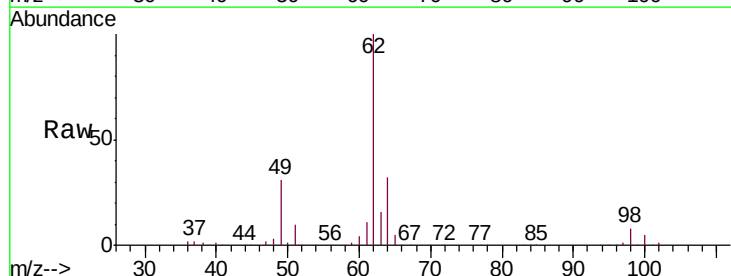
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

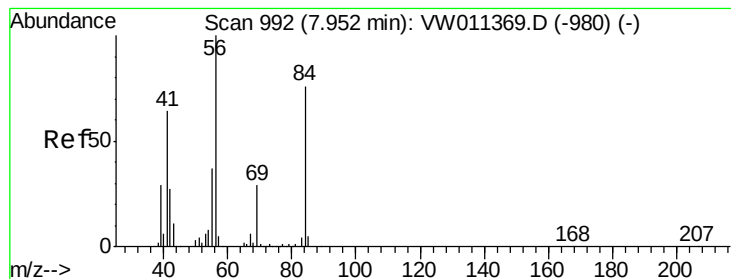
Tgt Ion: 83 Resp: 195365
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 25.573 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

Tgt Ion: 62 Resp: 147193
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0





#30

Cyclohexane

Concen: 24.884 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

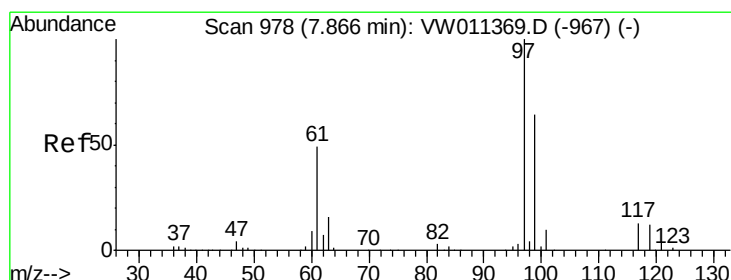
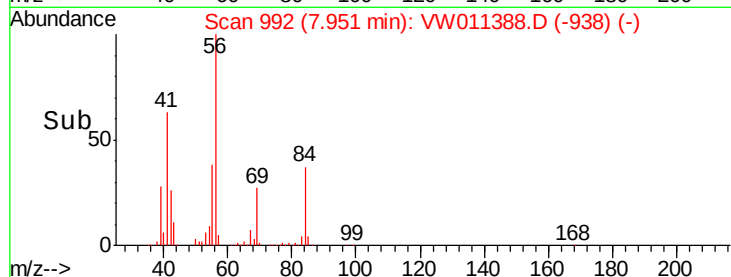
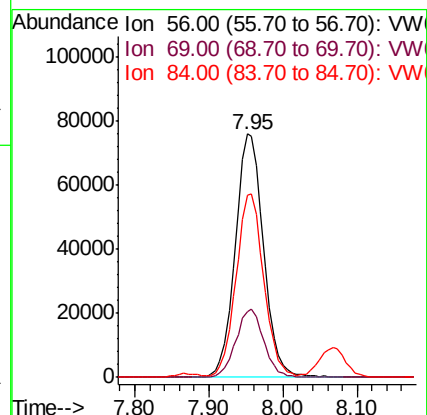
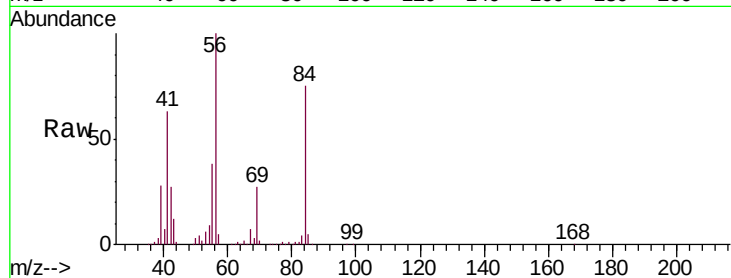
Tgt Ion: 56 Resp: 201844

Ion Ratio Lower Upper

56 100

69 27.6 22.5 33.7

84 74.3 60.9 91.3



#31

1,1,1-Trichloroethane

Concen: 27.342 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

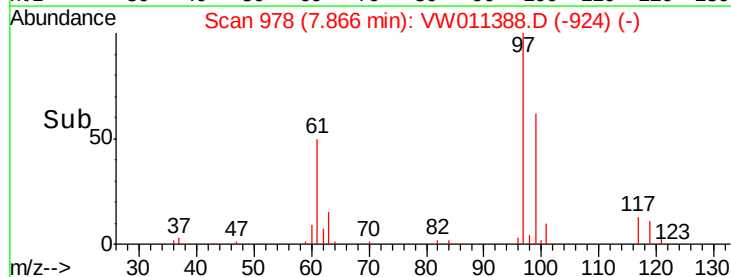
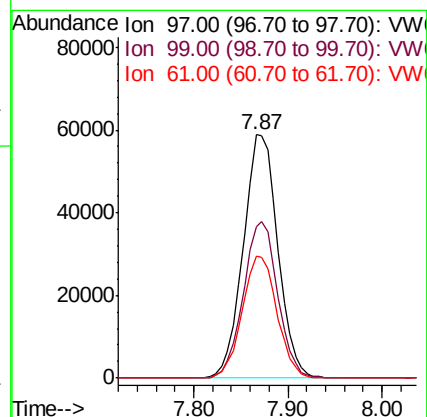
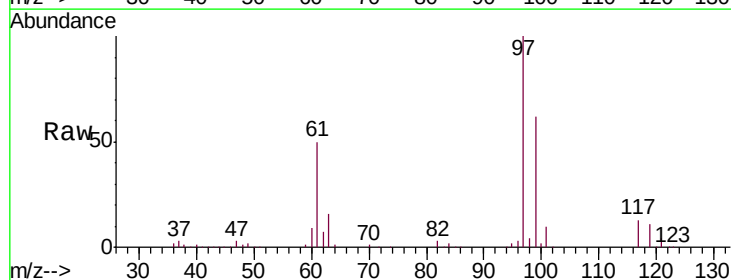
Tgt Ion: 97 Resp: 151396

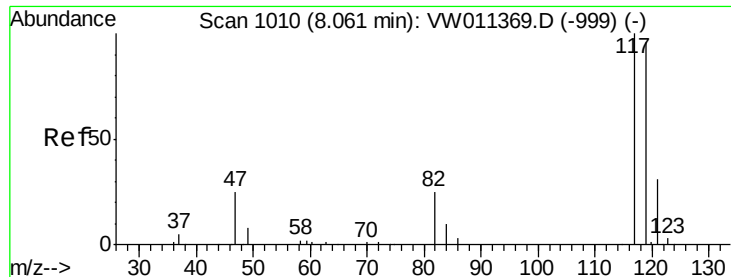
Ion Ratio Lower Upper

97 100

99 63.9 50.6 75.8

61 50.3 40.9 61.3





#32

Carbon tetrachloride

Concen: 25.678 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

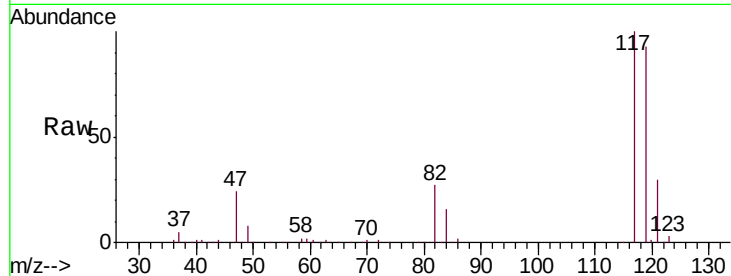
VSTD02514

Tgt Ion:117 Resp: 133343

Ion Ratio Lower Upper

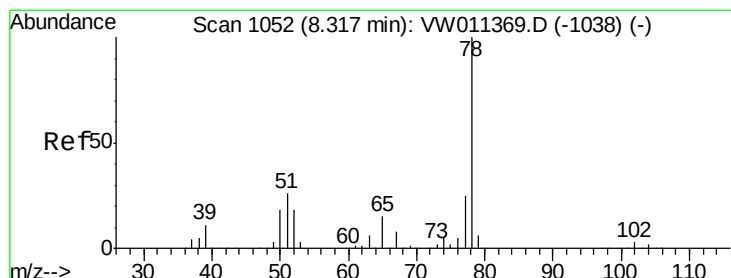
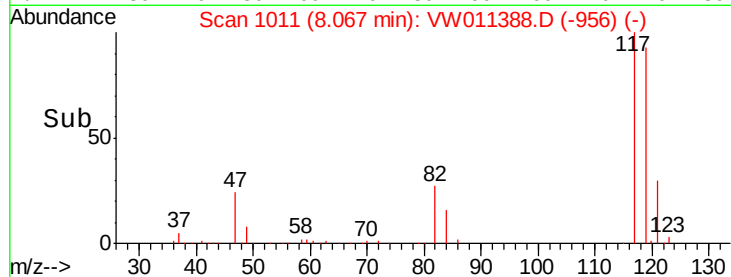
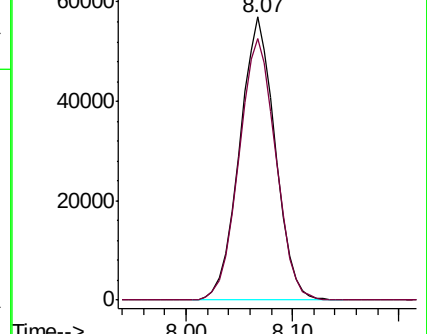
117 100

119 95.5 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.862 ug/L

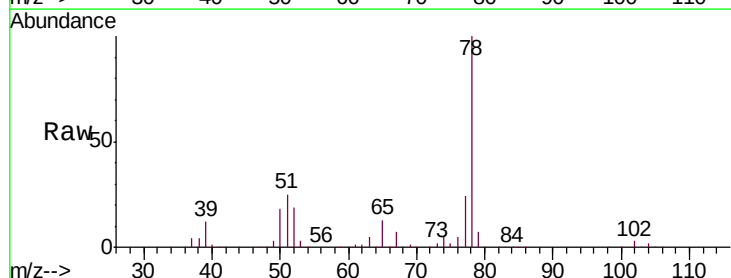
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

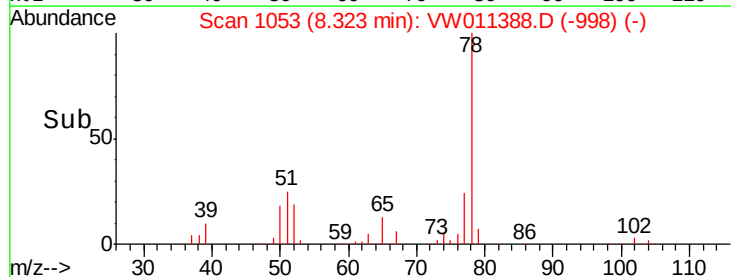
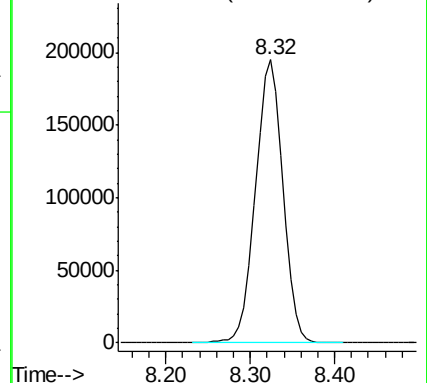
Lab File: VW011388.D

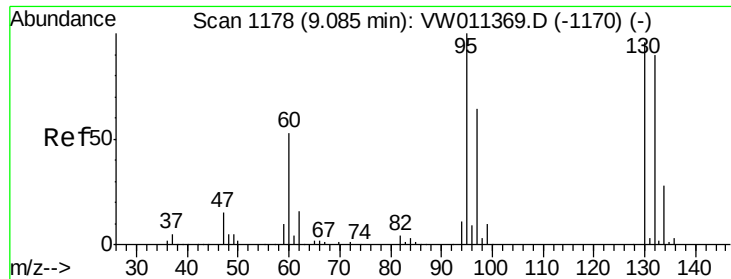
Acq: 19 Jul 2019 19:50

Tgt Ion: 78 Resp: 431213



Abundance Ion 78.00 (77.70 to 78.70): VW

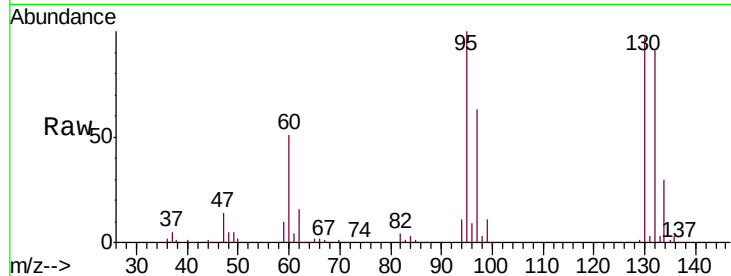




#35
 Trichloroethene
 Concen: 25.670 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion:	95	Resp:	108010
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.4	84.2
132	91.7	65.0	120.8
130	96.1	67.8	126.0



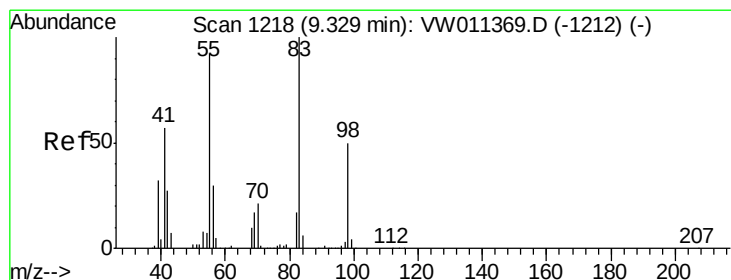
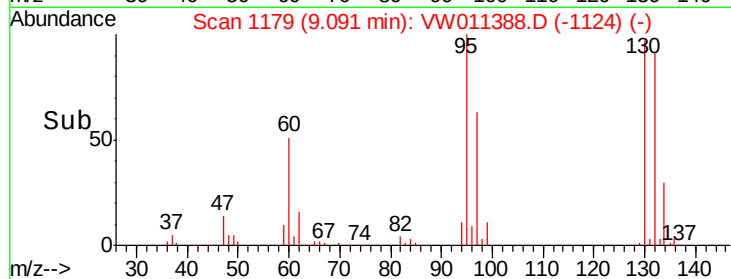
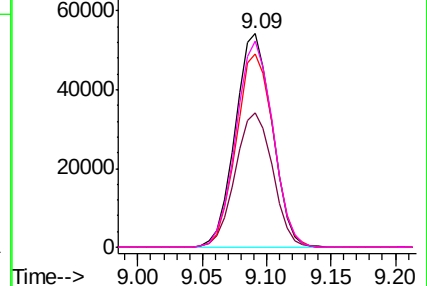
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

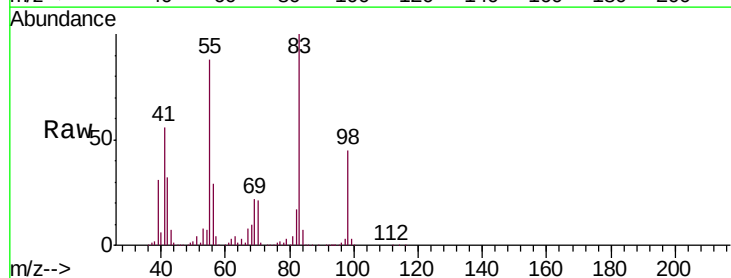
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 24.797 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Tgt Ion:	83	Resp:	187759
Ion	Ratio	Lower	Upper
83	100		
55	90.0	72.2	108.4
98	47.0	38.2	57.4

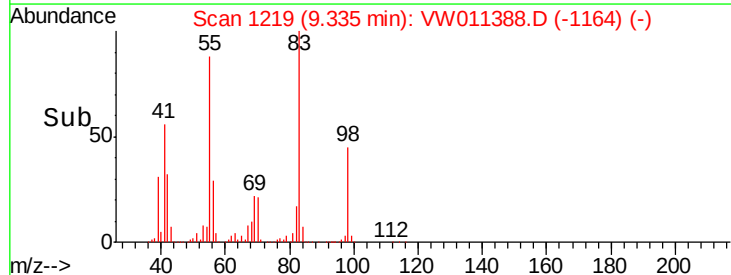
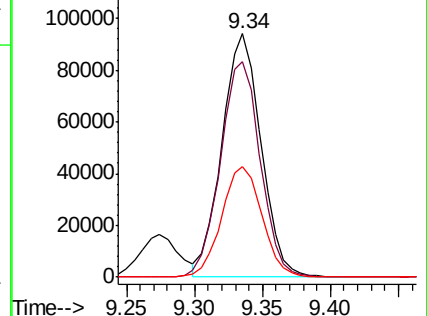


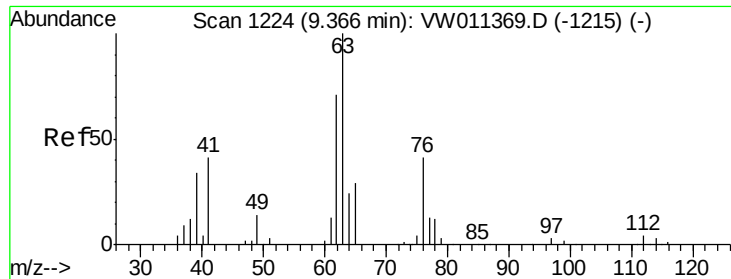
Abundance

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

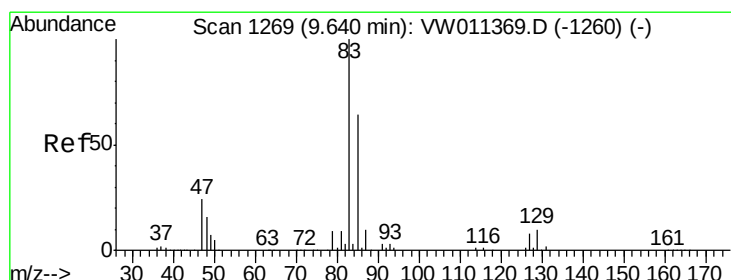
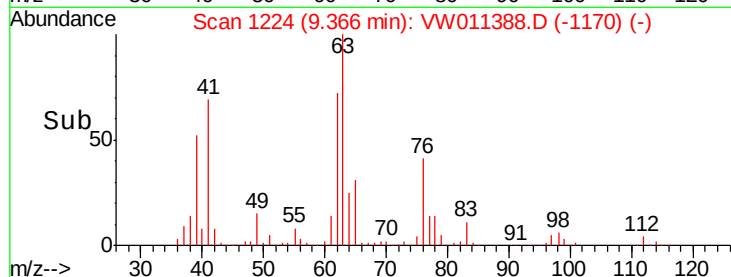
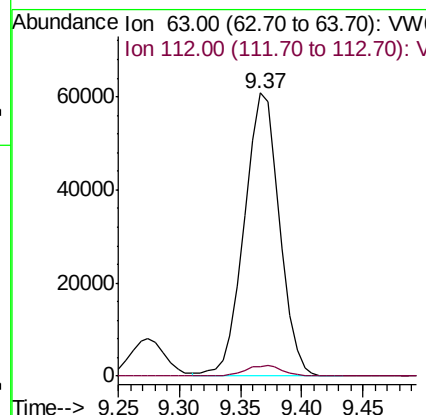
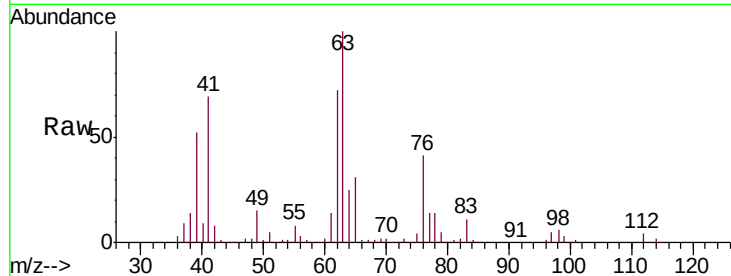




#40
 1,2-Dichloropropane
 Concen: 26.674 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

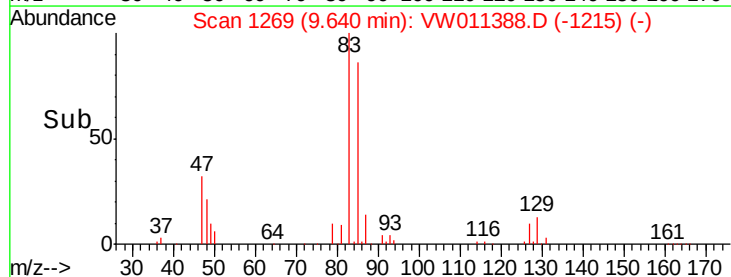
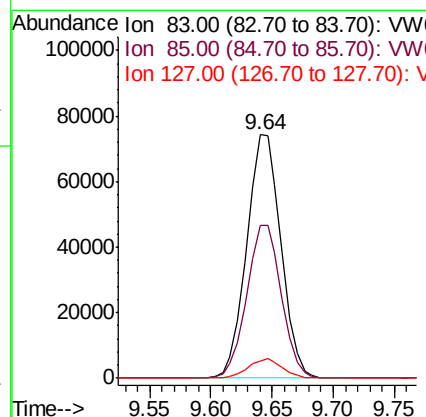
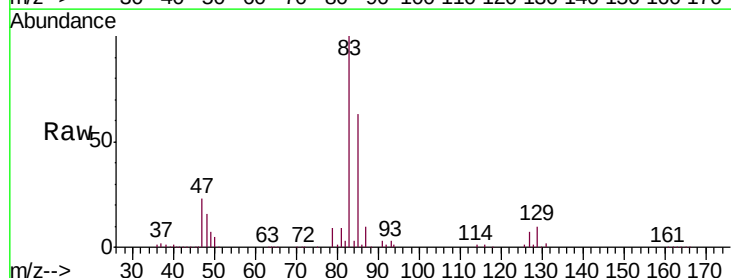
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

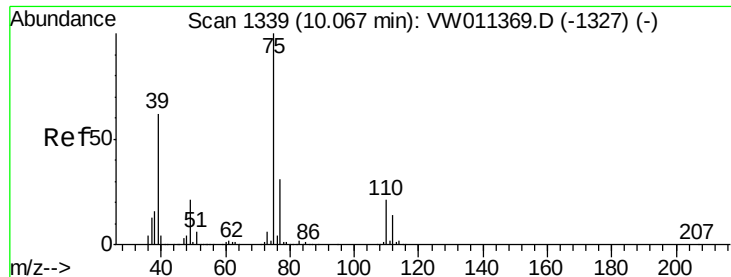
Tgt Ion: 63 Resp: 121872
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#41
 Bromodichloromethane
 Concen: 27.443 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Tgt Ion: 83 Resp: 144559
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.5 84.5
 127 7.1 5.8 8.8





#42

cis-1,3-Dichloropropene

Concen: 26.518 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

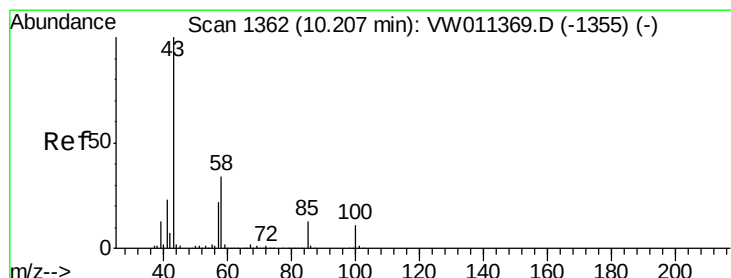
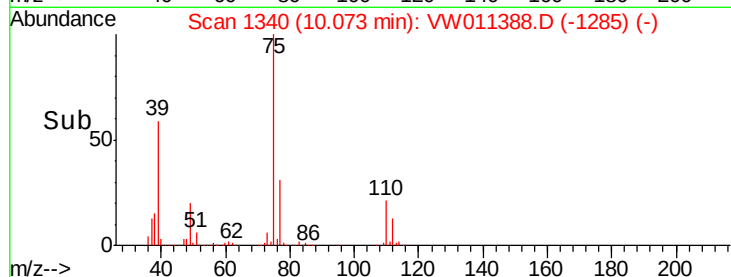
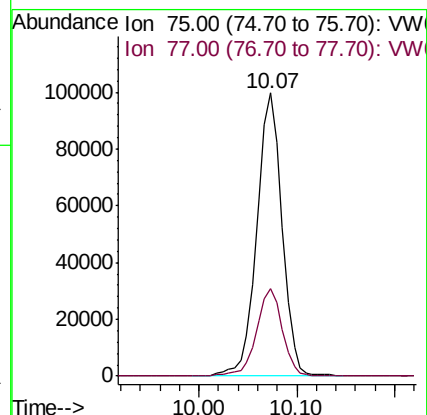
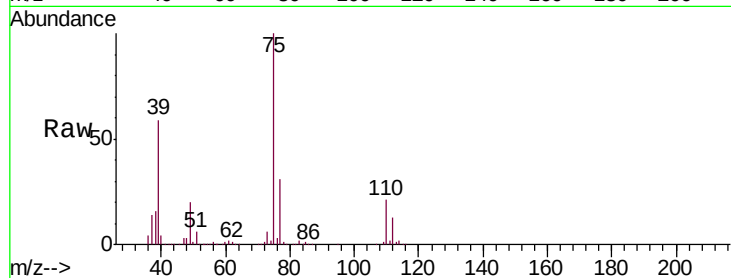
VSTD02514

Tgt Ion: 75 Resp: 178767

Ion Ratio Lower Upper

75 100

77 30.9 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 59.597 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

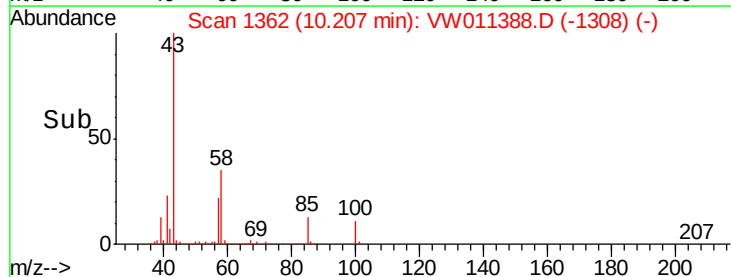
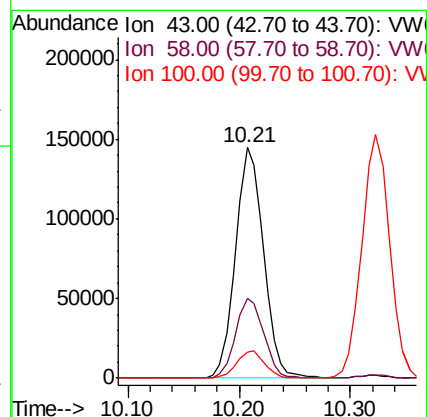
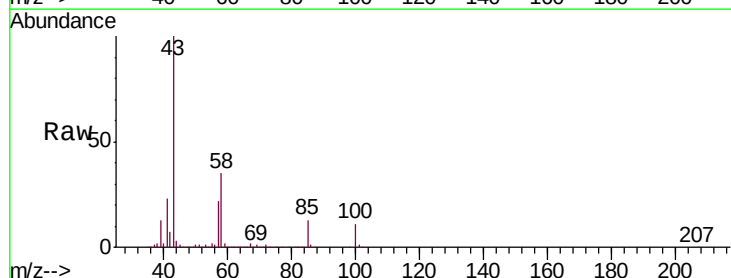
Tgt Ion: 43 Resp: 252414

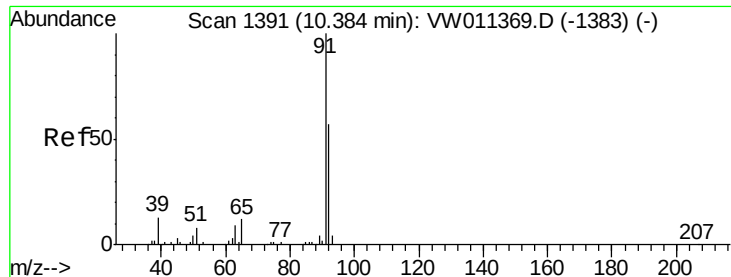
Ion Ratio Lower Upper

43 100

58 34.9 28.1 42.1

100 11.7 9.3 13.9





#44

Toluene

Concen: 26.113 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

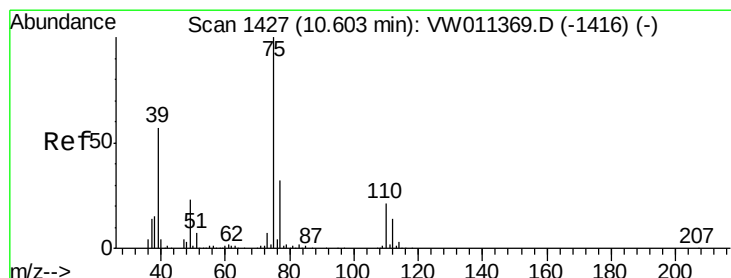
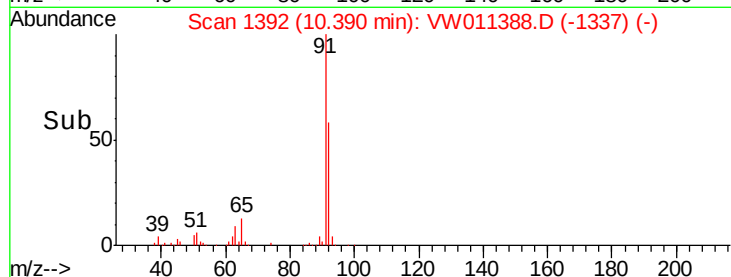
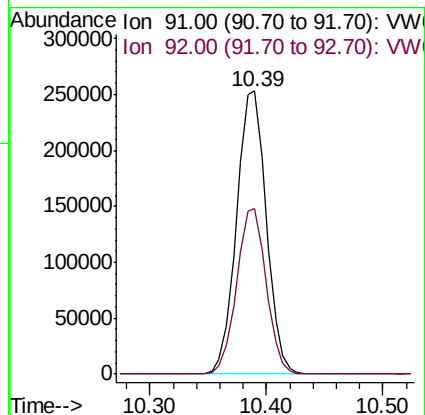
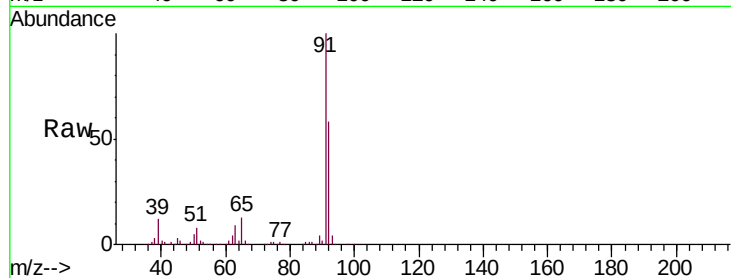
VSTD02514

Tgt Ion: 91 Resp: 450657

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 26.549 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011388.D

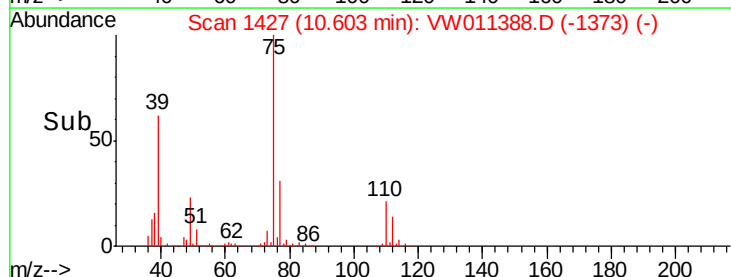
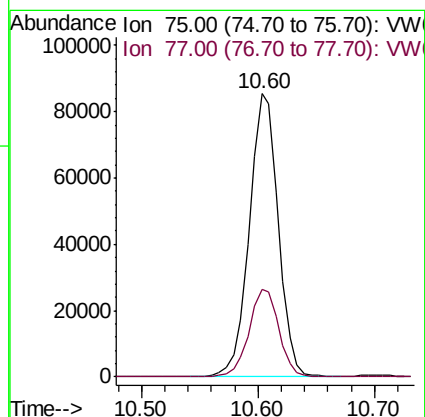
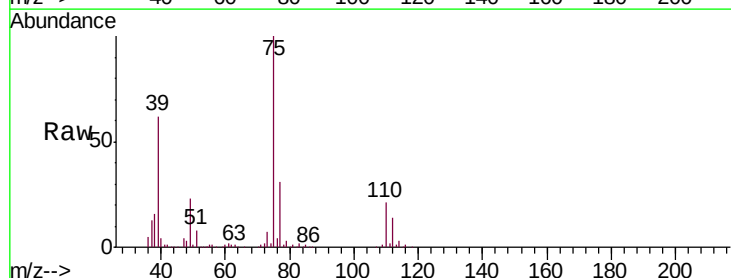
Acq: 19 Jul 2019 19:50

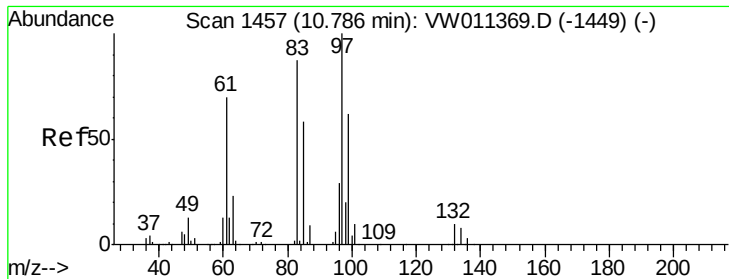
Tgt Ion: 75 Resp: 148090

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.5

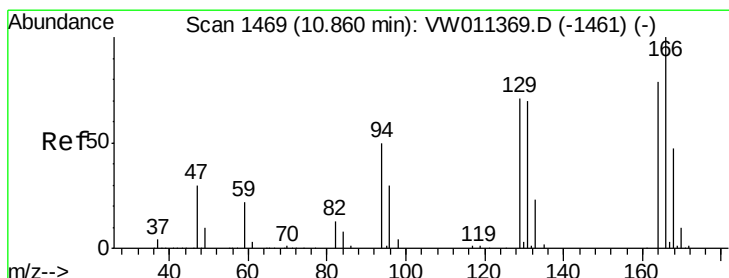
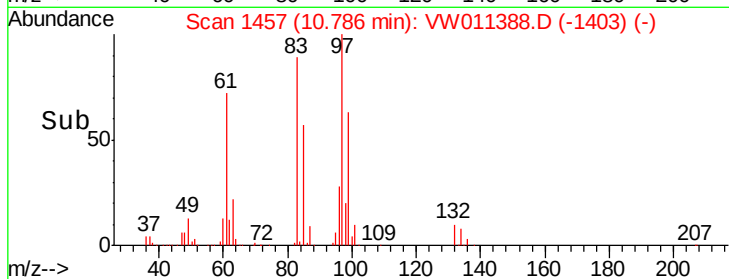
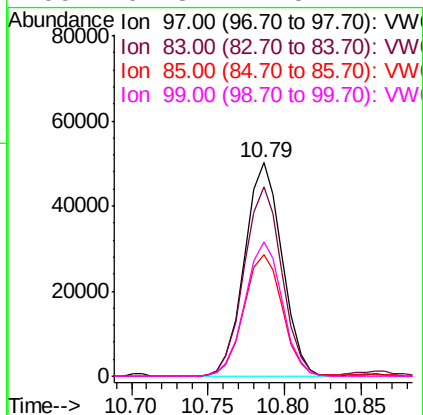
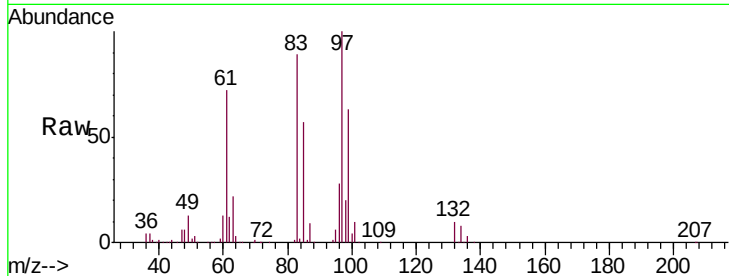




#46
 1,1,2-Trichloroethane
 Concen: 27.115 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

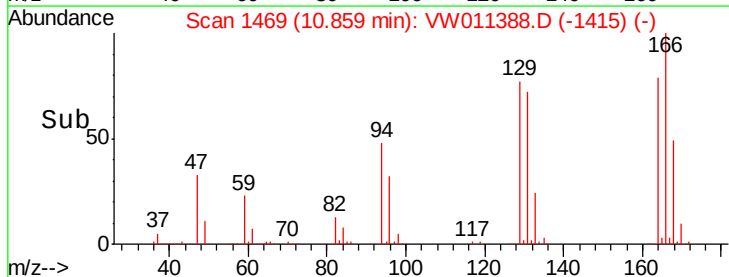
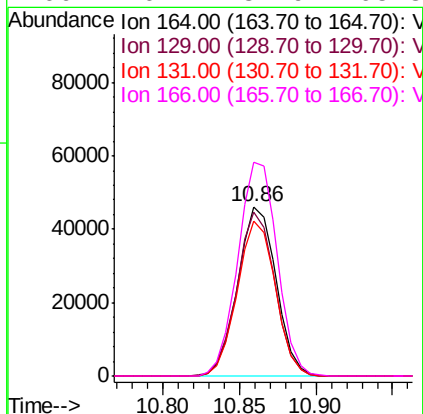
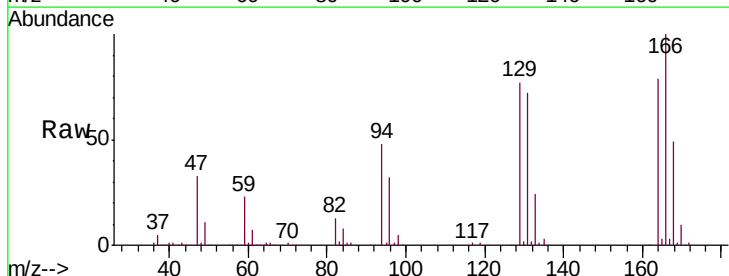
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

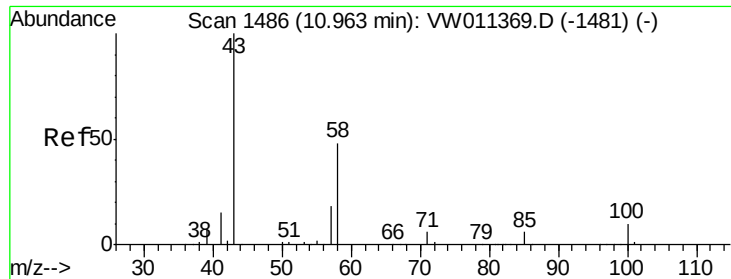
Tgt Ion:	97	Resp:	85789
Ion	Ratio	Lower	Upper
97	100		
83	88.7	63.1	117.3
85	57.2	39.0	72.4
99	62.8	41.5	77.1



#47
 Tetrachloroethene
 Concen: 25.272 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Tgt Ion:	164	Resp:	80365
Ion	Ratio	Lower	Upper
164	100		
129	97.0	68.5	127.1
131	91.5	64.8	120.4
166	126.2	87.9	163.3

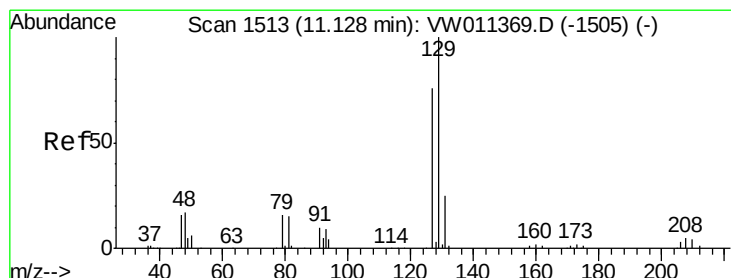
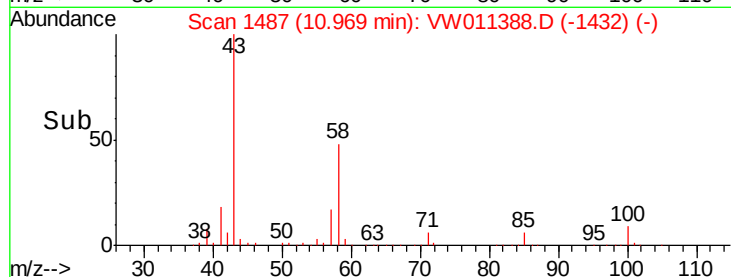
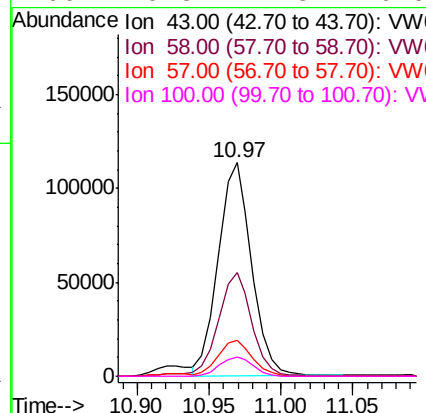
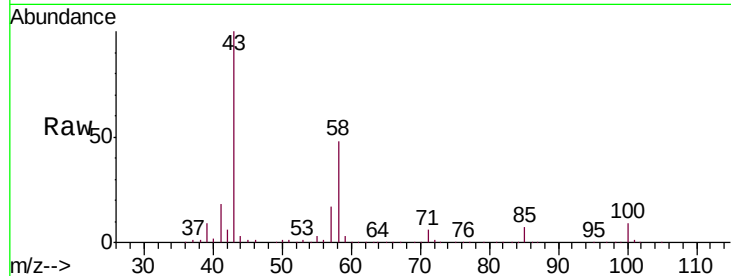




#49
2-Hexanone
Concen: 59.394 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

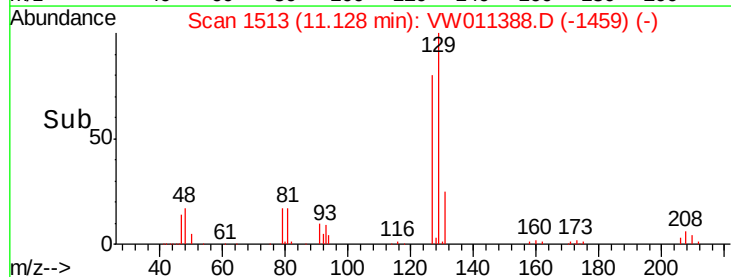
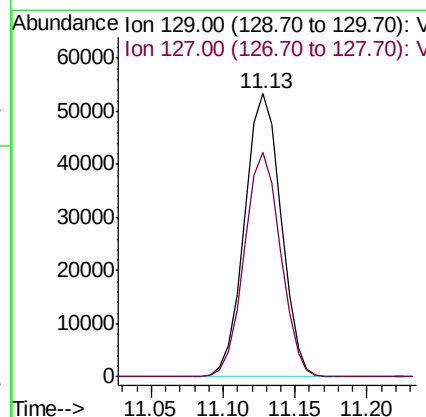
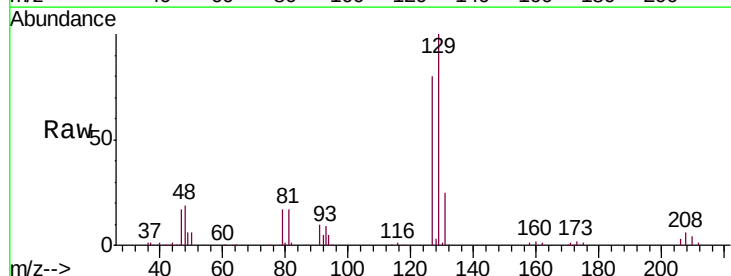
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

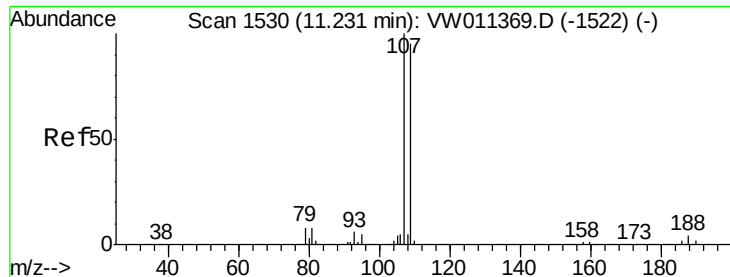
Tgt Ion: 43 Resp: 183105
Ion Ratio Lower Upper
43 100
58 48.8 38.4 57.6
57 17.0 13.3 19.9
100 9.3 7.3 10.9



#50
Dibromochloromethane
Concen: 27.799 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

Tgt Ion: 129 Resp: 93659
Ion Ratio Lower Upper
129 100
127 79.5 53.3 99.1

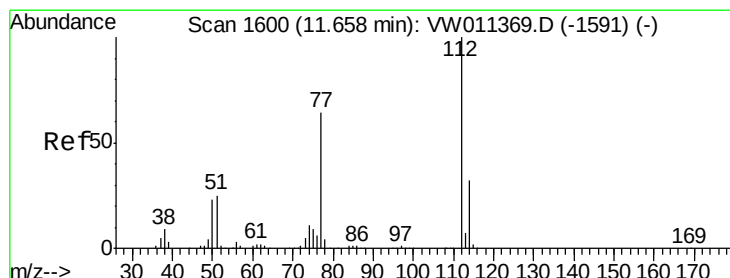
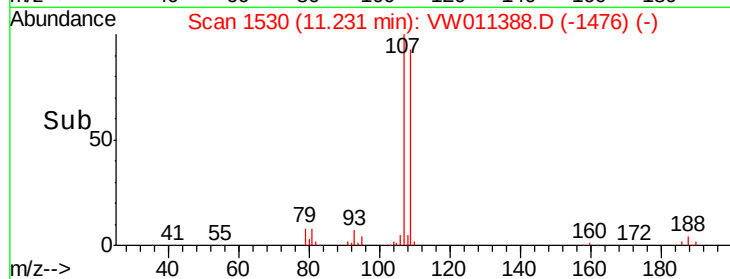
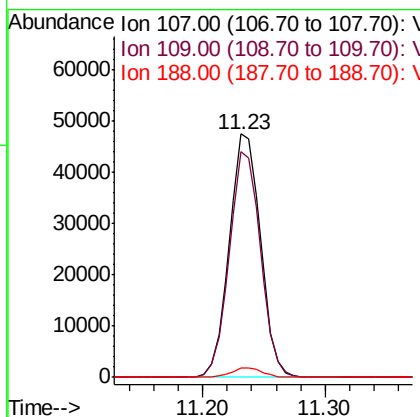
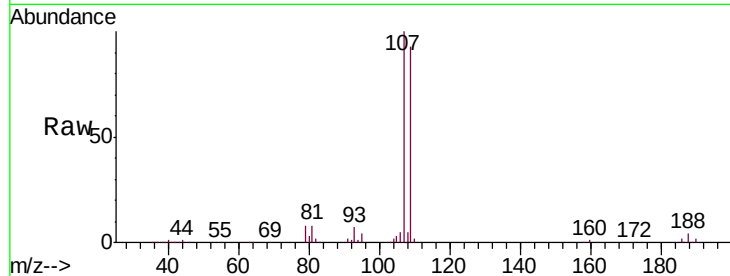




#51
1,2-Dibromoethane
Concen: 27.285 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

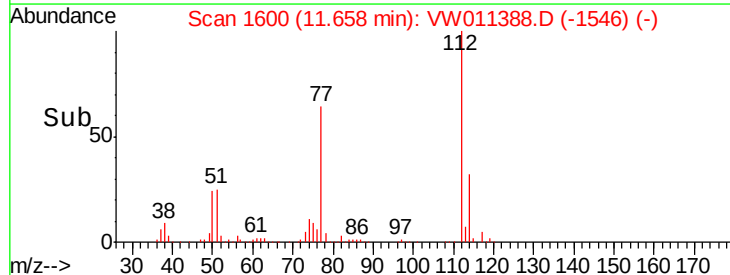
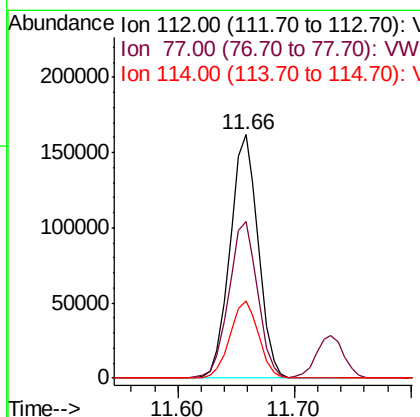
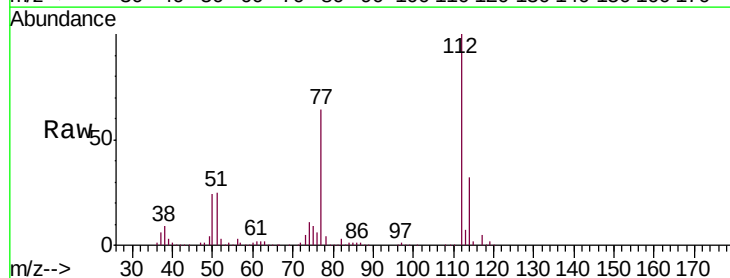
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

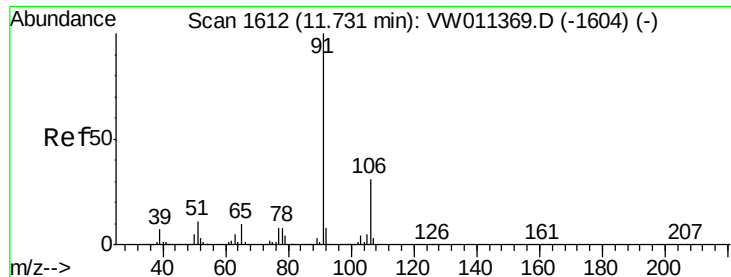
Tgt Ion:107 Resp: 83357
Ion Ratio Lower Upper
107 100
109 92.6 64.3 119.3
188 3.6 3.2 4.8



#52
Chlorobenzene
Concen: 25.744 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

Tgt Ion:112 Resp: 271432
Ion Ratio Lower Upper
112 100
77 64.2 51.2 76.8
114 31.9 22.0 40.8

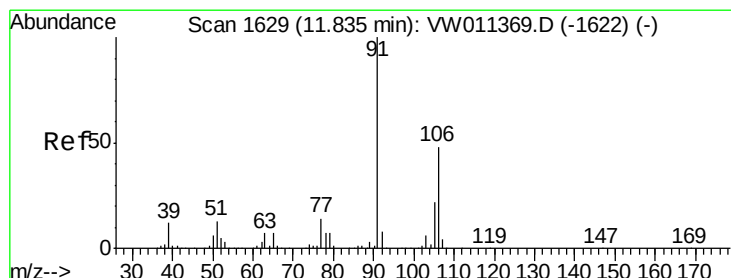
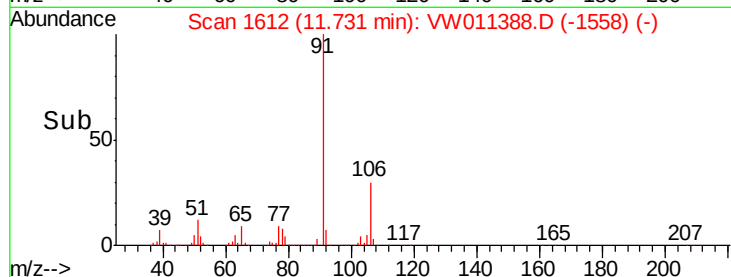
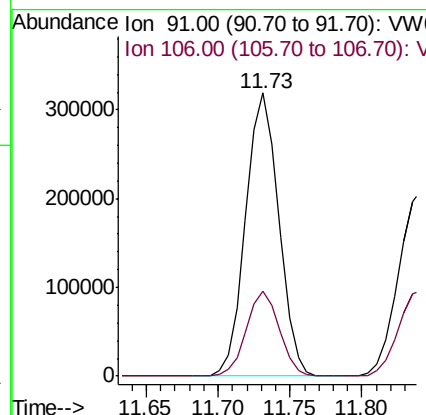
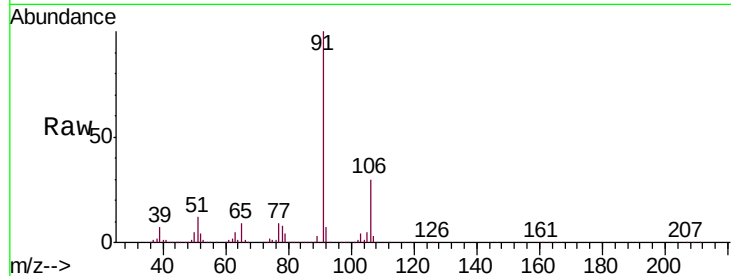




#53
Ethylbenzene
Concen: 26.003 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

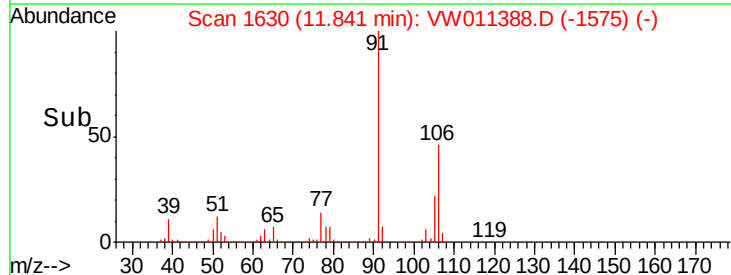
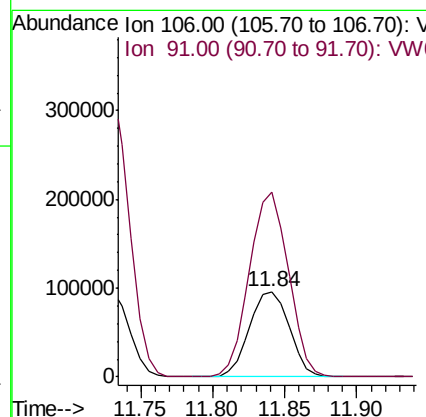
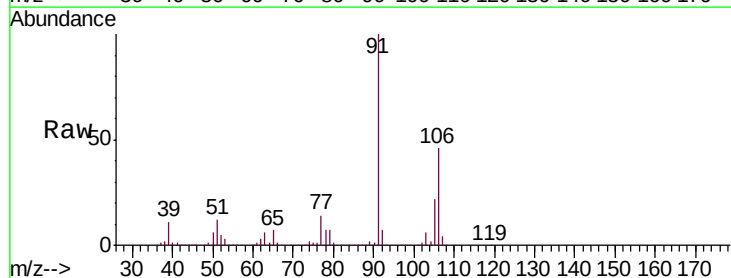
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

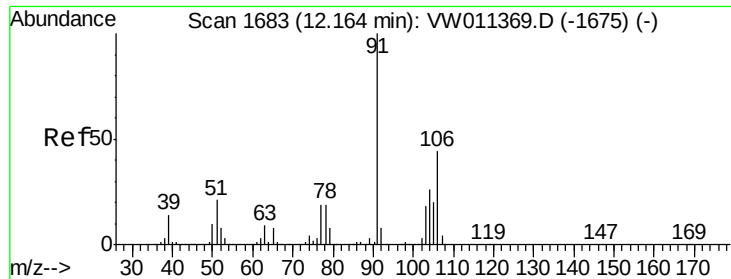
Tgt Ion: 91 Resp: 509020
Ion Ratio Lower Upper
91 100
106 29.9 20.6 38.4



#54
m,p-Xylene
Concen: 25.921 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

Tgt Ion: 106 Resp: 184229
Ion Ratio Lower Upper
106 100
91 217.4 142.6 264.8

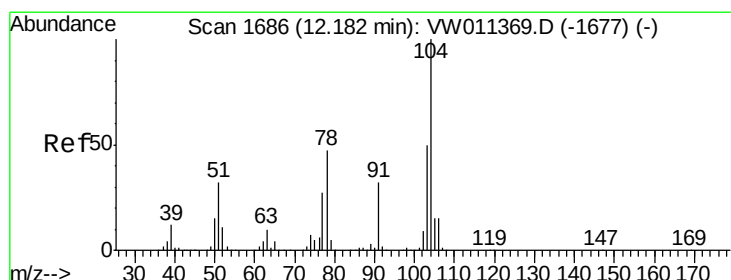
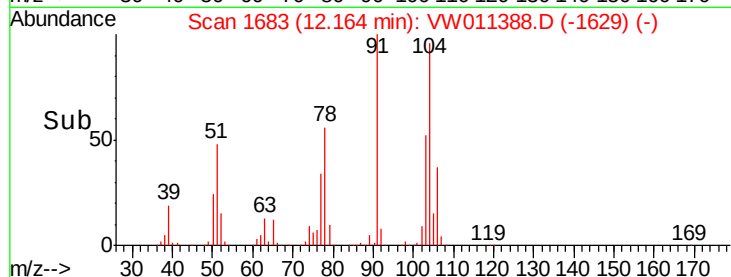
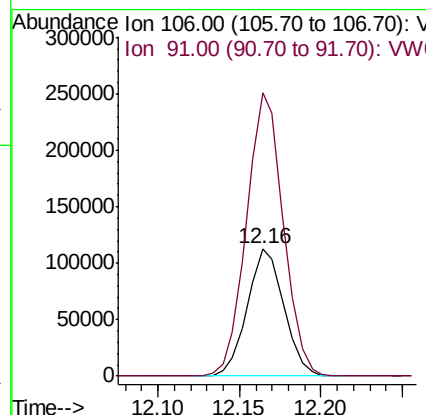
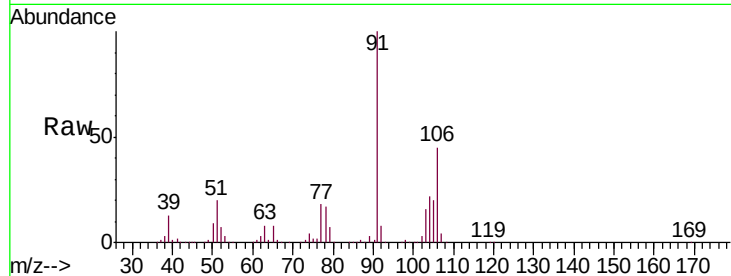




#55
o-xylene
Concen: 26.155 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

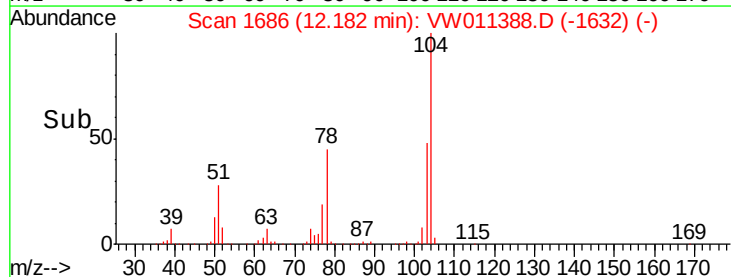
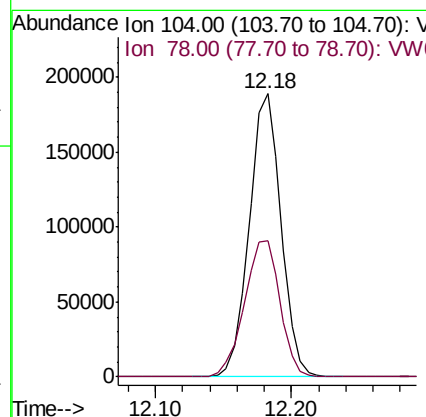
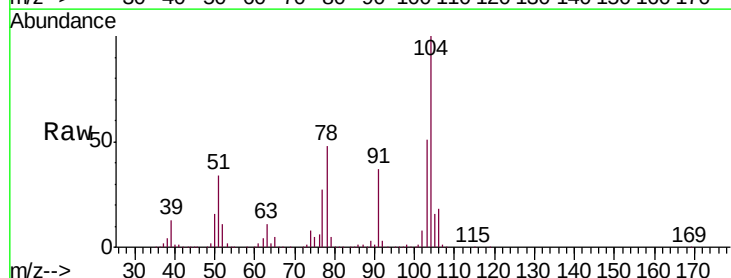
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

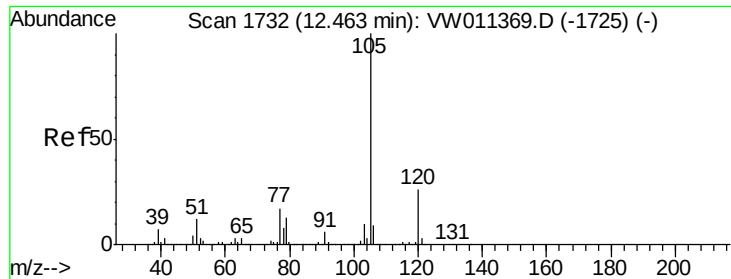
Tgt Ion:106 Resp: 176839
Ion Ratio Lower Upper
106 100
91 221.8 154.6 287.2



#56
Styrene
Concen: 26.668 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011388.D
Acq: 19 Jul 2019 19:50

Tgt Ion:104 Resp: 309312
Ion Ratio Lower Upper
104 100
78 48.0 33.7 62.7





#57

Isopropylbenzene

Concen: 26.789 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

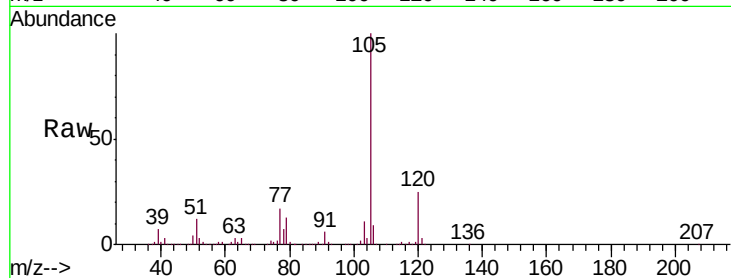
Tgt Ion:105 Resp: 494419

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

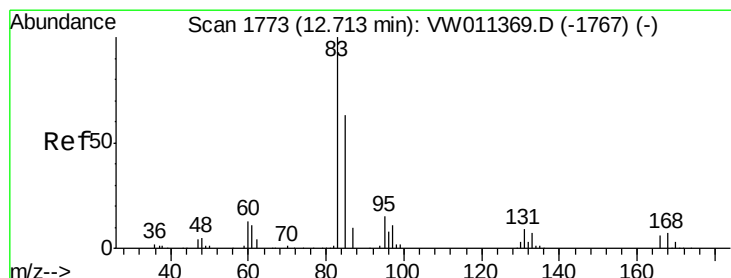
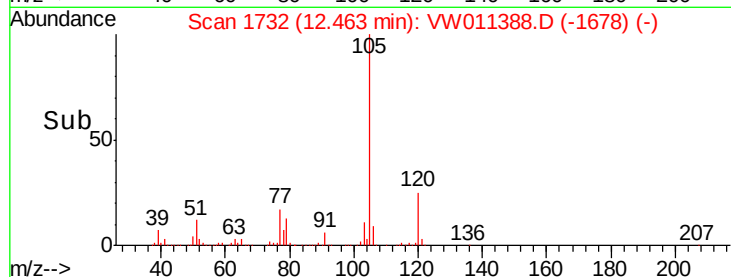
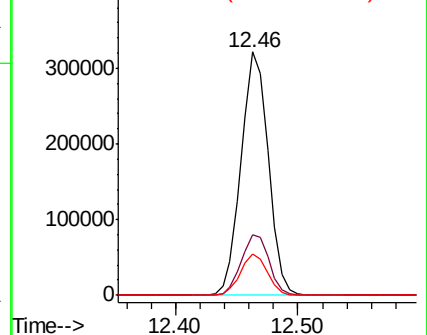
77 16.8 13.5 20.3



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: 28.804 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

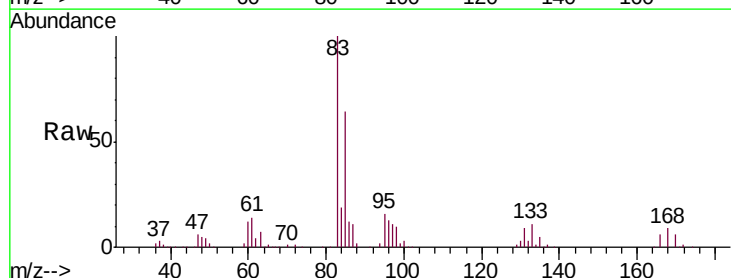
Tgt Ion: 83 Resp: 121242

Ion Ratio Lower Upper

83 100

85 63.8 44.0 81.6

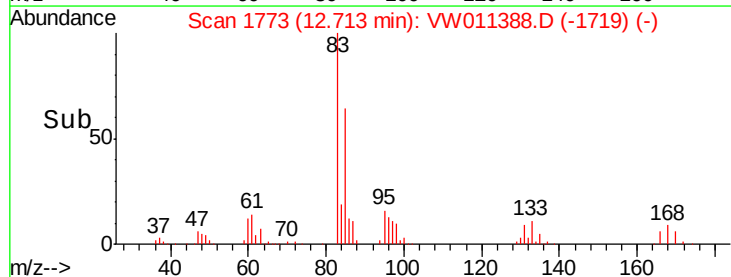
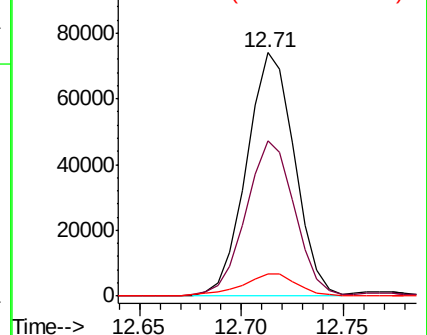
131 8.9 6.7 10.1

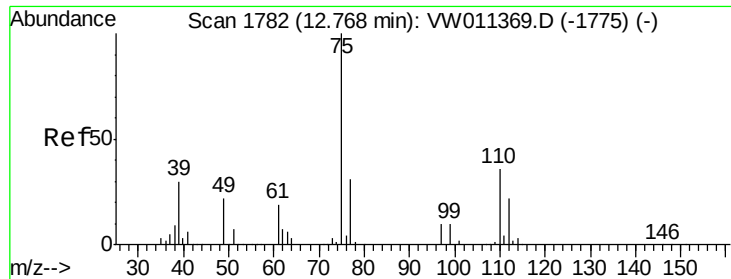


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

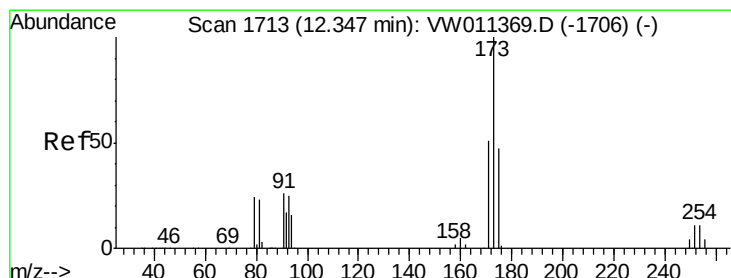
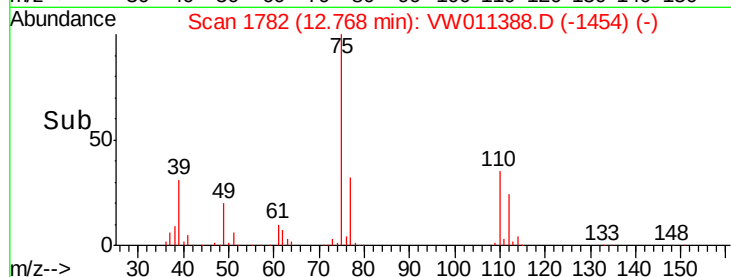
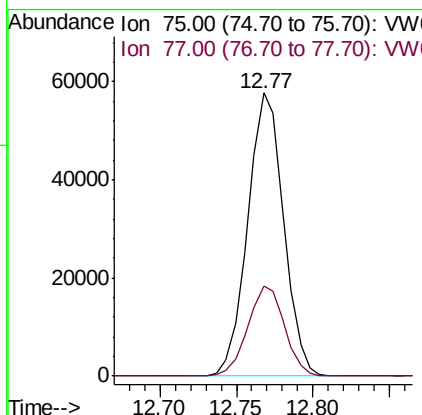
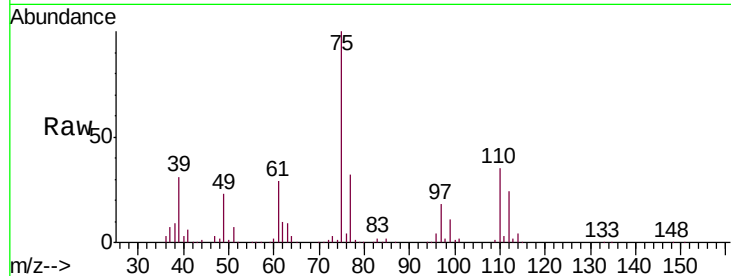




#59
 1,2,3-Trichloropropane
 Concen: 29.131 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

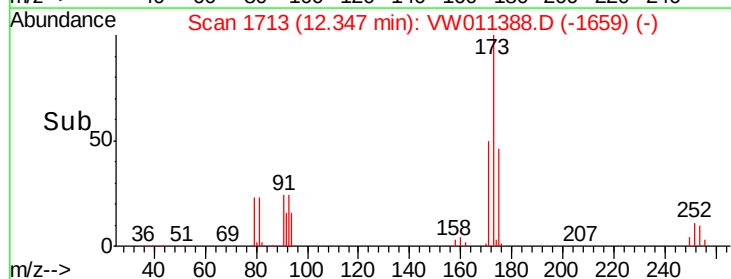
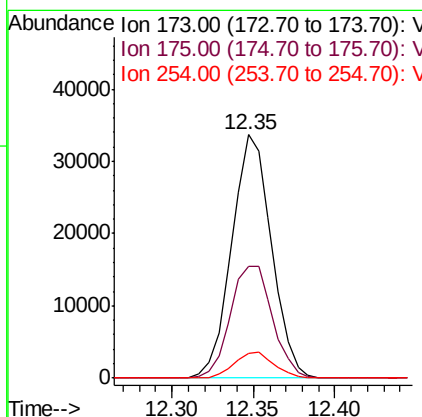
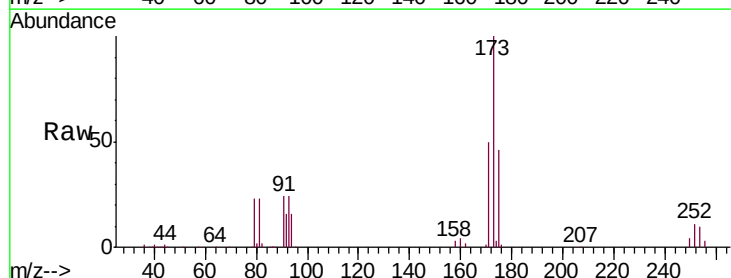
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

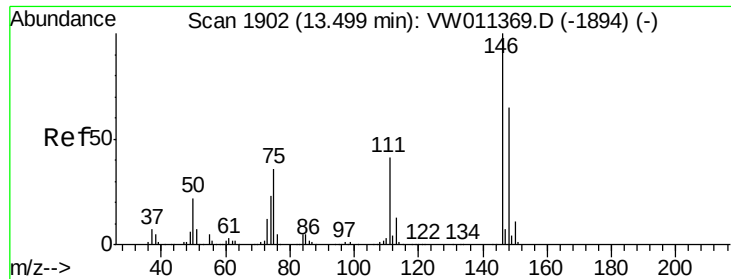
Tgt Ion: 75 Resp: 94162
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.0



#62
 Bromoform
 Concen: 29.595 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Tgt Ion: 173 Resp: 57228
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.6
 254 10.5 8.5 12.7

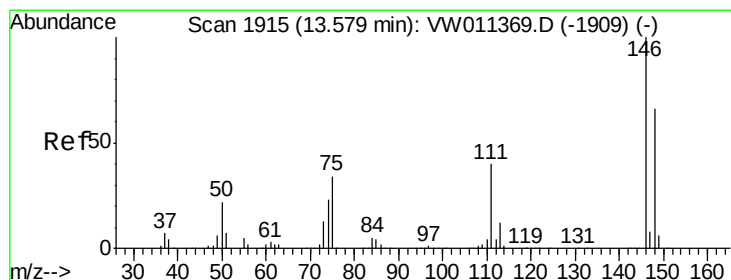
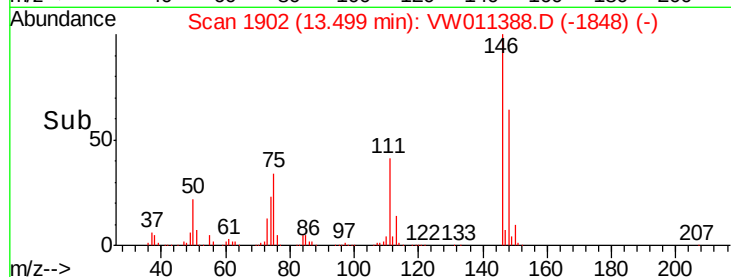
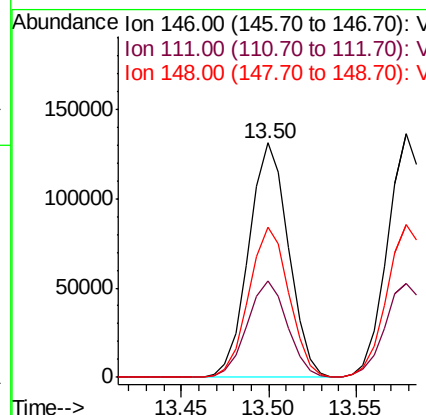
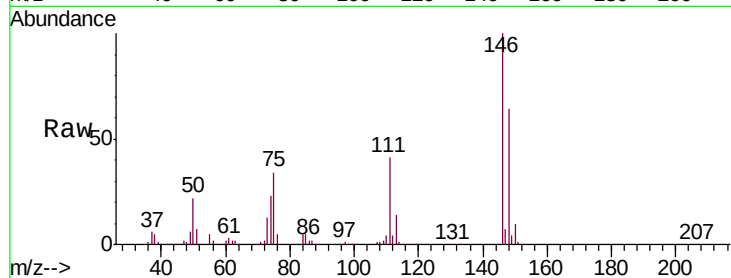




#63
 1,3-Dichlorobenzene
 Concen: 26.032 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

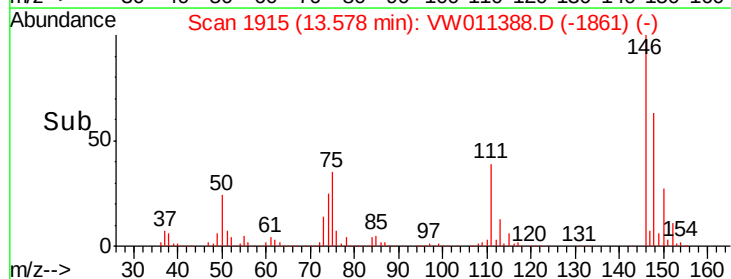
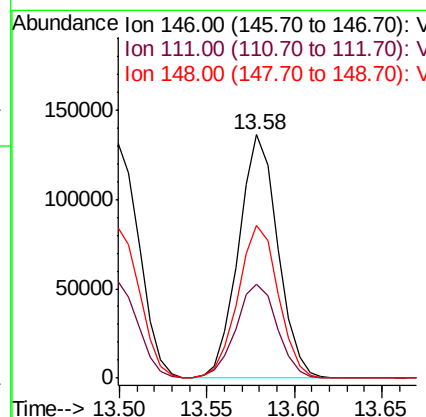
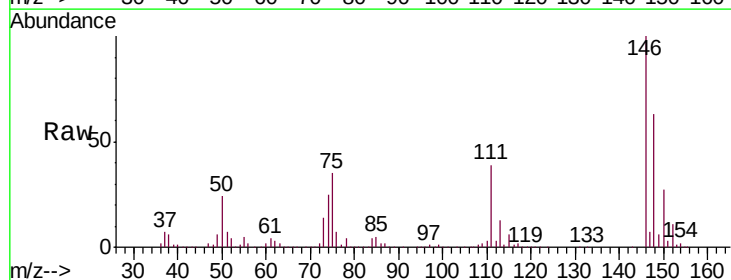
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02514

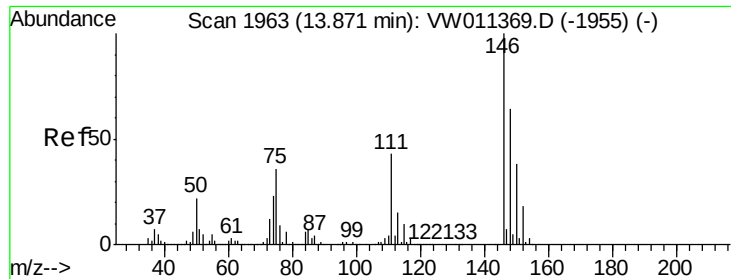
Tgt Ion:146 Resp: 207799
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.0 53.8
 148 63.9 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 26.028 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Tgt Ion:146 Resp: 212690
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.5 51.1
 148 62.7 43.8 81.3

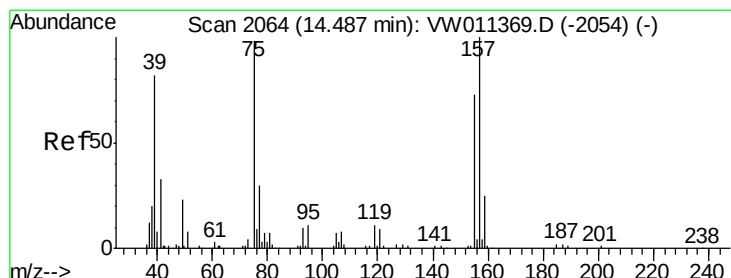
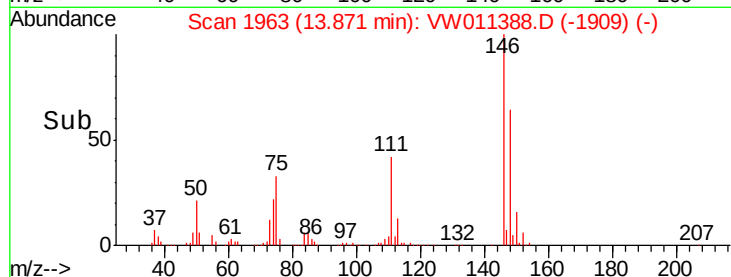
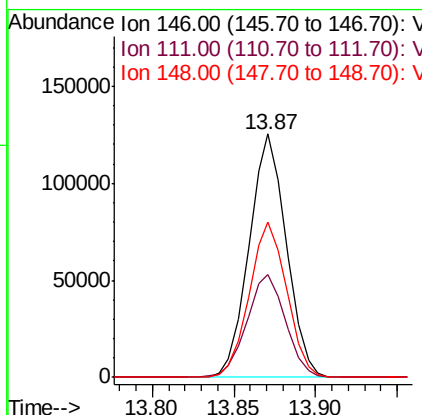
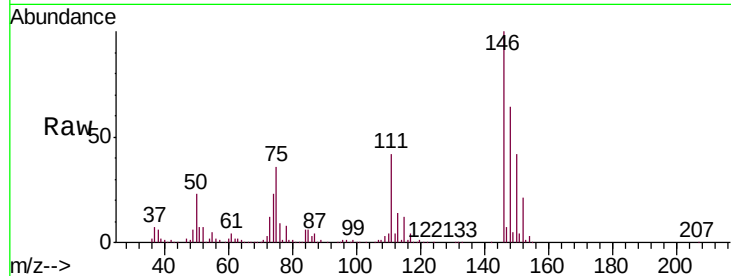




#65
 1,2-Dichlorobenzene
 Concen: 26.674 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

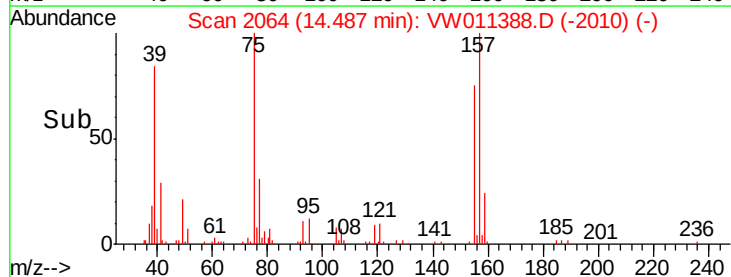
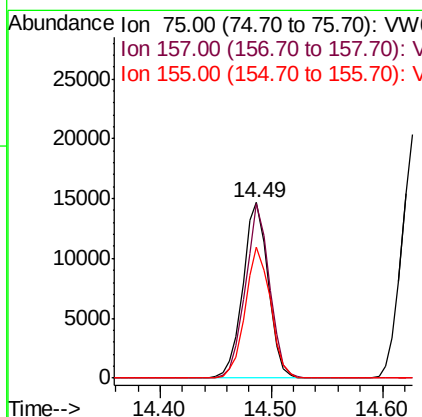
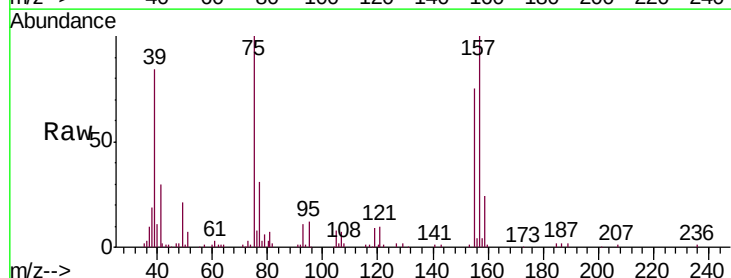
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

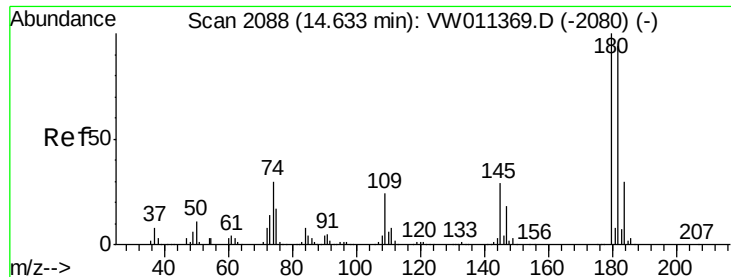
Tgt Ion:146 Resp: 198195
 Ion Ratio Lower Upper
 146 100
 111 42.0 34.1 51.1
 148 64.0 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 31.680 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Tgt Ion: 75 Resp: 23111
 Ion Ratio Lower Upper
 75 100
 157 99.7 75.3 112.9
 155 74.7 60.2 90.2

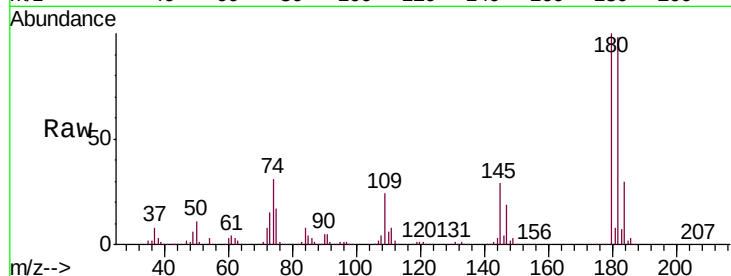




#67
 1,3,5-Trichlorobenzene
 Concen: 26.782 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion:	180	Resp:	161980
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.4
184	30.3	24.3	36.5
145	29.8	24.2	36.2



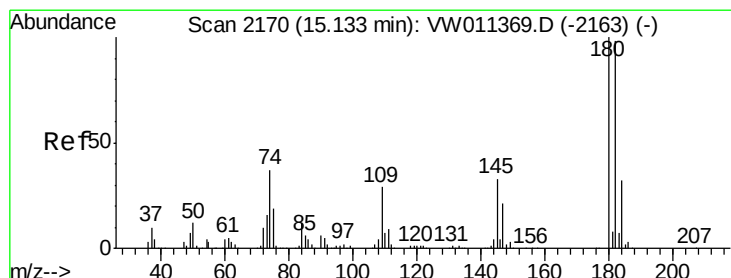
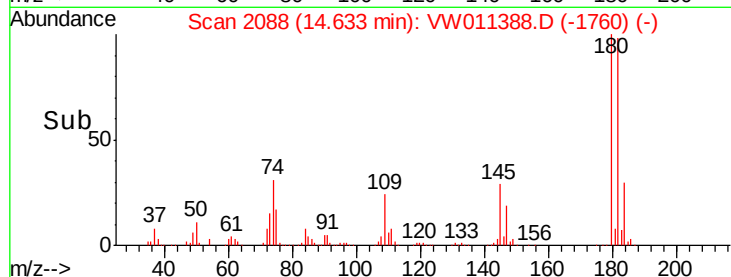
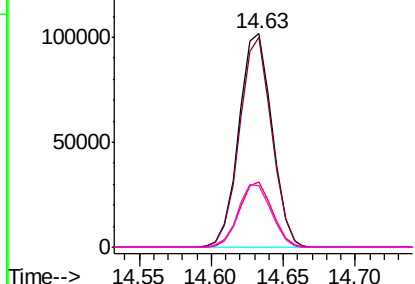
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

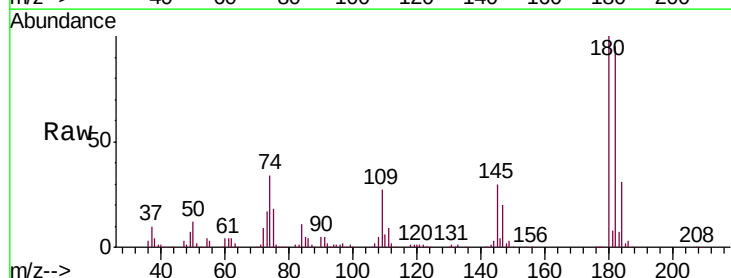
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.989 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011388.D
 Acq: 19 Jul 2019 19:50

Tgt Ion:	180	Resp:	136750
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.6
145	30.5	24.5	36.7

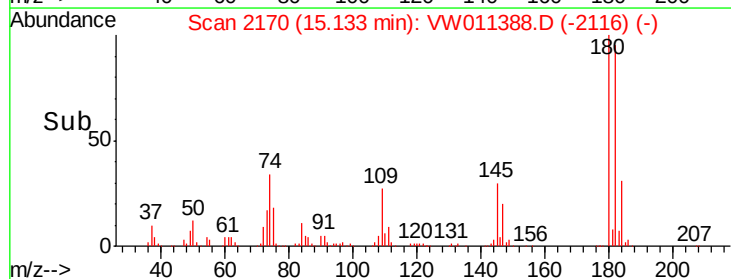
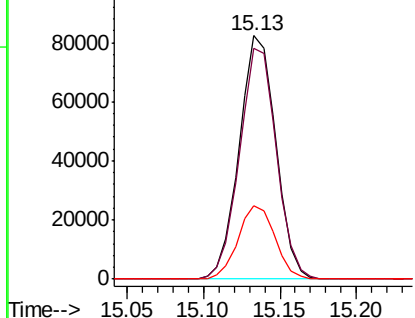


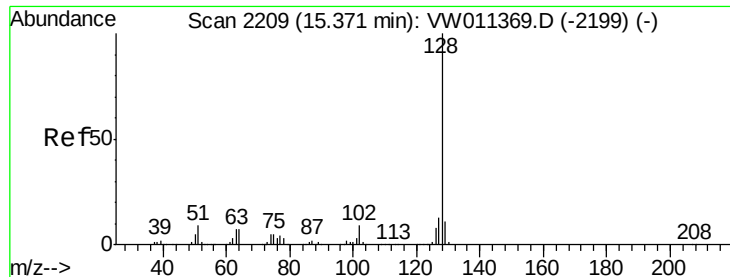
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.271 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

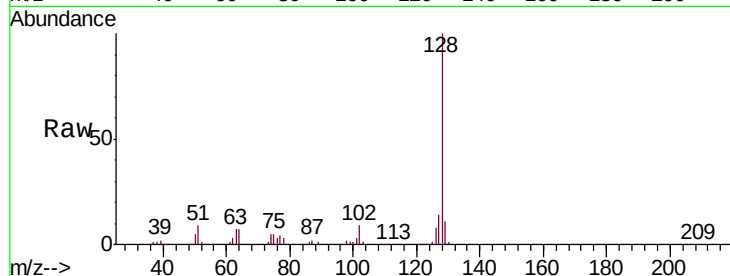
Tgt Ion:128 Resp: 321224

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

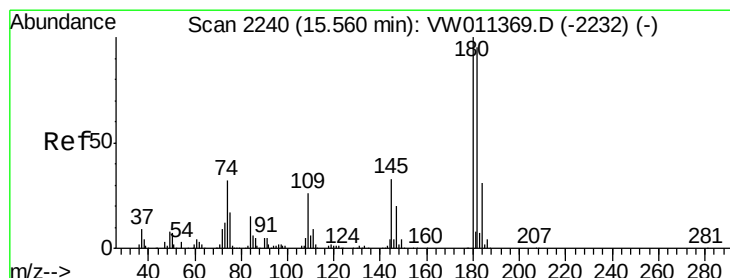
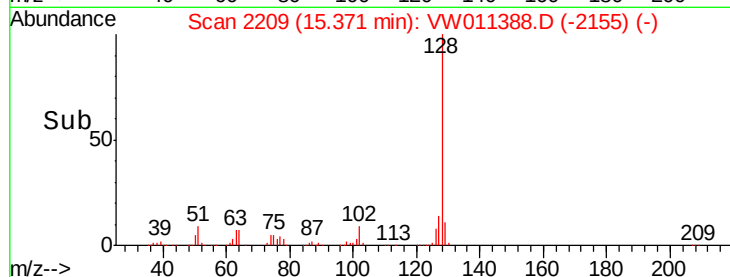
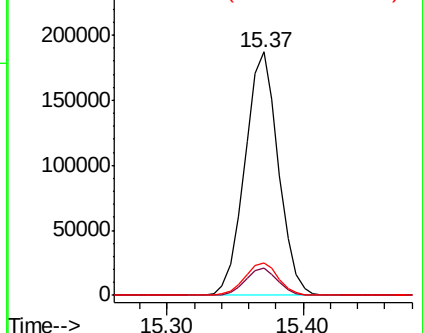
127 13.5 10.6 15.8



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: 27.962 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011388.D

Acq: 19 Jul 2019 19:50

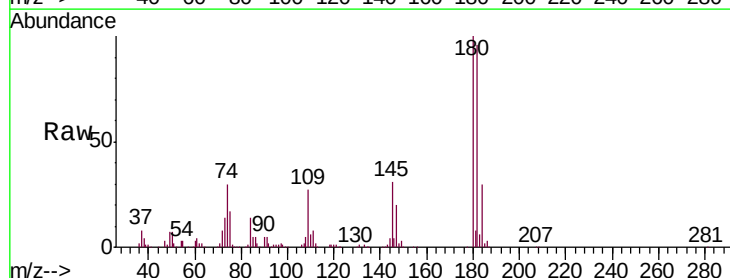
Tgt Ion:180 Resp: 129631

Ion Ratio Lower Upper

180 100

182 95.7 76.4 114.6

145 32.2 25.5 38.3



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

