

Data File : VW011582.D
Acq On : 31 Jul 2019 10:00
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Quant Time: Aug 01 05:18:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 02:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	338055	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	295759	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	143254	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	123404	25.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.68%
7) Chloroethane-d5	2.89	69	88415	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.16%
10) 1,1-Dichloroethene-d2	4.02	63	277749	25.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.80%
20) 2-Butanone-d5	7.07	46	135500	63.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.44%
24) Chloroform-d	7.65	84	229504	24.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	8.30	65	135952	24.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.96%
29) Benzene-d6	8.27	84	470591	25.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.20%
33) 1,2-Dichloropropane-d6	9.27	67	149433	24.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.56%
37) Toluene-d8	10.32	98	416574	25.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.96%
38) trans-1,3-Dichloropropene-	10.58	79	64955	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.72%
39) 2-Hexanone-d5	10.92	63	83940	59.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129300	25.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	132674	24.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	105040	27.725 ug/L	97
3) Chloromethane	2.21	50	124890	25.342 ug/L	98
5) Vinyl chloride	2.36	62	168694	26.830 ug/L	97
6) Bromomethane	2.78	94	78743	26.565 ug/L	100
8) Chloroethane	2.92	64	87057	26.474 ug/L	98
9) Trichlorofluoromethane	3.25	101	86405	26.977 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	127527	26.263 ug/L	98
12) 1,1-Dichloroethene	4.04	96	128096	26.382 ug/L	96
13) Acetone	4.12	43	158764	69.160 ug/L	98
14) Carbon disulfide	4.38	76	416945	26.366 ug/L	99
15) Methyl Acetate	4.67	43	113310	30.189 ug/L	100
16) Methylene chloride	4.92	84	128981	24.449 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	199157	24.631 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	130863	26.087 ug/L	97
19) 1,1-Dichloroethane	6.21	63	259623	25.908 ug/L	99
21) 2-Butanone	7.16	43	191762	66.627 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	136578	26.024 ug/L	99

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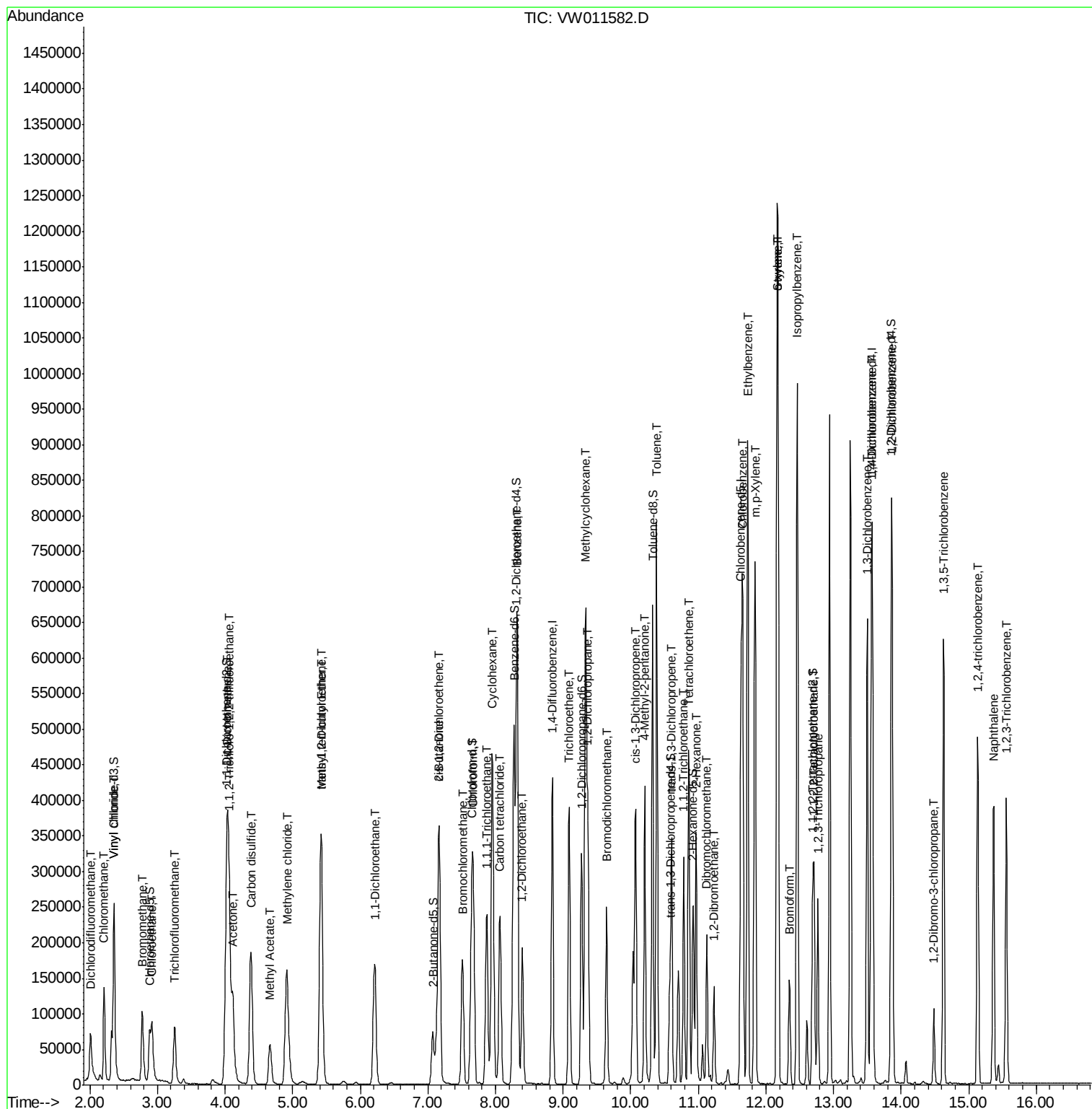
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56537	25.319	ug/L	99
25) Chloroform	7.67	83	233927	25.326	ug/L	99
27) 1,2-Dichloroethane	8.40	62	173025	25.305	ug/L	98
30) Cyclohexane	7.95	56	273811	26.633	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	191425	26.563	ug/L	99
32) Carbon tetrachloride	8.07	117	178925	26.391	ug/L	100
34) Benzene	8.32	78	544962	26.294	ug/L	100
35) Trichloroethene	9.09	95	138321	26.289	ug/L	99
36) Methylcyclohexane	9.34	83	251698	26.369	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141979	25.663	ug/L	99
41) Bromodichloromethane	9.64	83	167090	25.594	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	218101	26.356	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	293054	58.463	ug/L	99
44) Toluene	10.38	91	559255	26.559	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	176597	25.650	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96289	25.528	ug/L	98
47) Tetrachloroethene	10.86	164	103922	25.858	ug/L	95
49) 2-Hexanone	10.97	43	241332	62.491	ug/L	99
50) Dibromochloromethane	11.13	129	107221	25.790	ug/L	99
51) 1,2-Dibromoethane	11.24	107	94553	25.761	ug/L	99
52) Chlorobenzene	11.66	112	325278	25.604	ug/L	99
53) Ethylbenzene	11.73	91	617560	26.299	ug/L	100
54) m,p-Xylene	11.84	106	225326	26.388	ug/L	99
55) o-xylene	12.16	106	210488	26.193	ug/L	100
56) Styrene	12.18	104	365744	26.771	ug/L	99
57) Isopropylbenzene	12.46	105	586518	26.530	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	133675	26.669	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	104363	26.995	ug/L	98
62) Bromoform	12.35	173	65414	25.523	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	247449	25.450	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	248167	25.417	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	222640	25.288	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	26527	29.111	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	187103	26.145	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	152371	26.438	ug/L	98
69) Naphthalene	15.37	128	322102	27.752	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	136859	25.639	ug/L	98

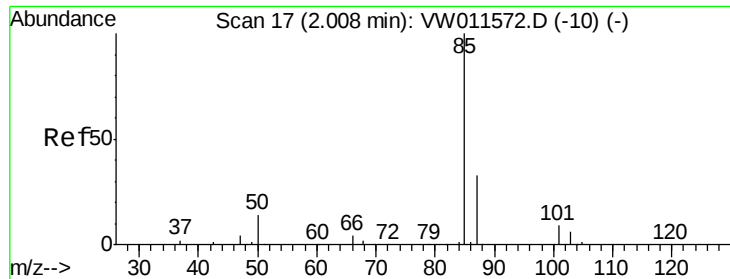
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.725 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

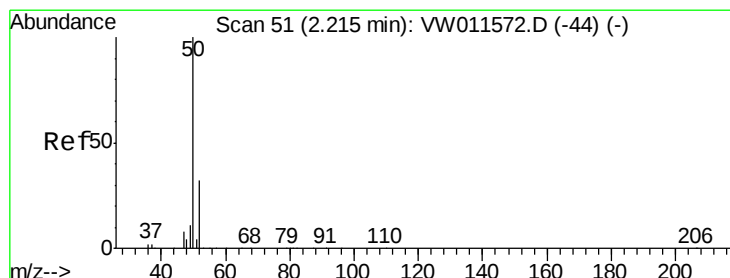
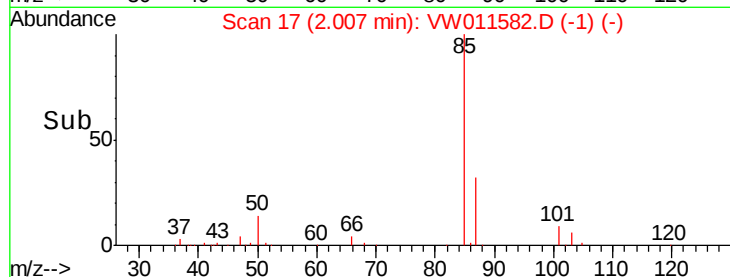
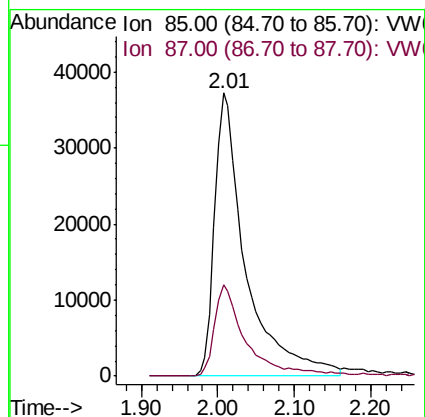
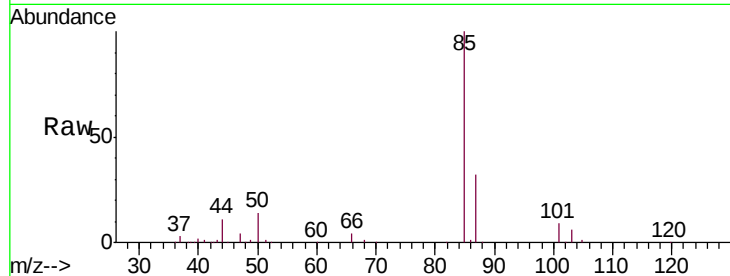
VSTD02525

Tgt Ion: 85 Resp: 105040

Ion Ratio Lower Upper

85 100

87 29.7 21.8 40.6



#3

Chloromethane

Concen: 25.342 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011582.D

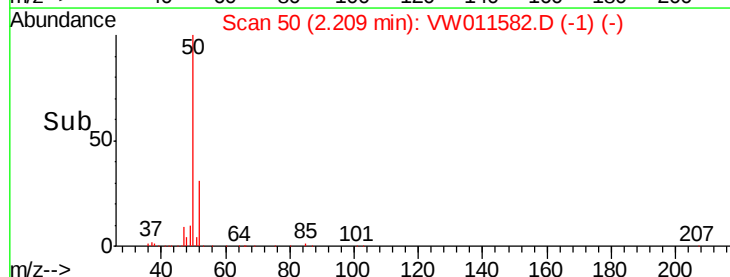
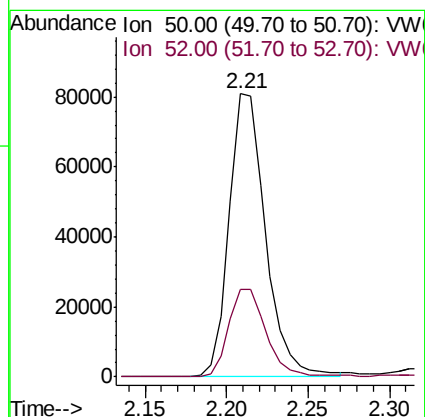
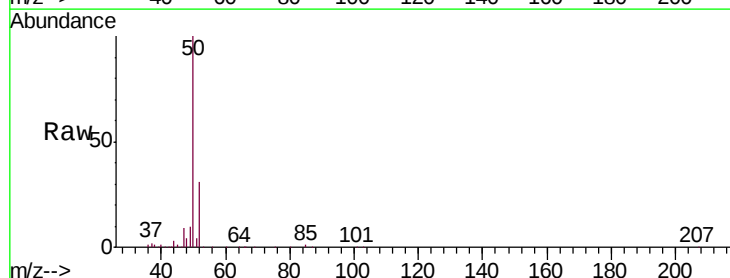
Acq: 31 Jul 2019 10:00

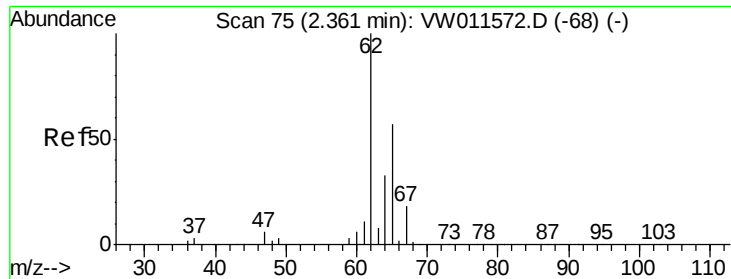
Tgt Ion: 50 Resp: 124890

Ion Ratio Lower Upper

50 100

52 31.2 22.7 42.1





#5

Vinyl chloride

Concen: 26.830 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

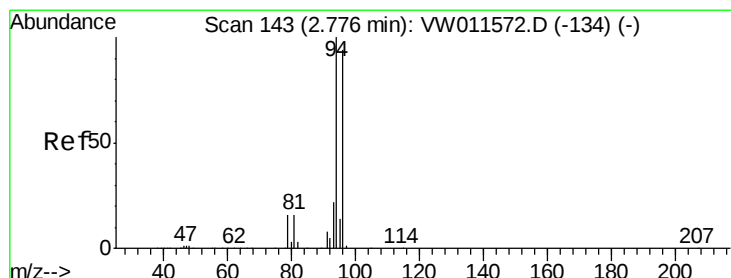
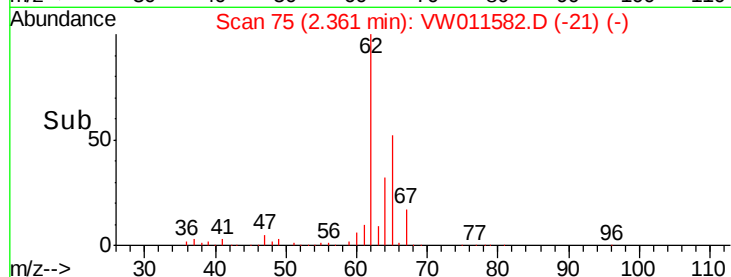
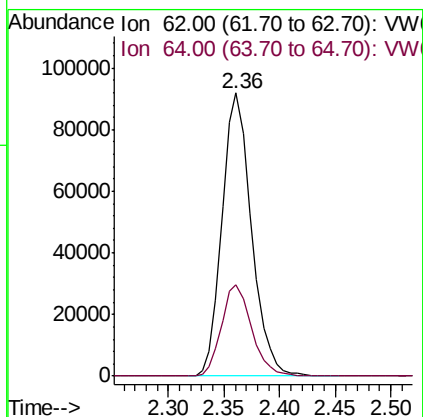
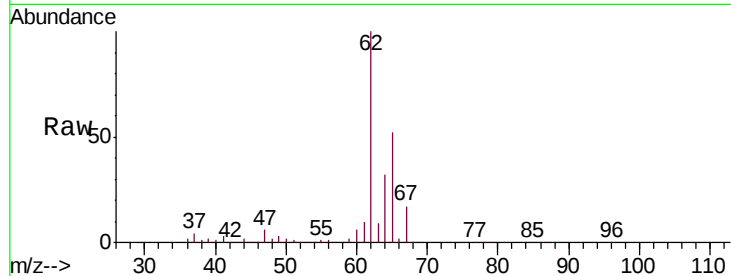
VSTD02525

Tgt Ion: 62 Resp: 168694

Ion Ratio Lower Upper

62 100

64 32.2 23.6 43.8



#6

Bromomethane

Concen: 26.565 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011582.D

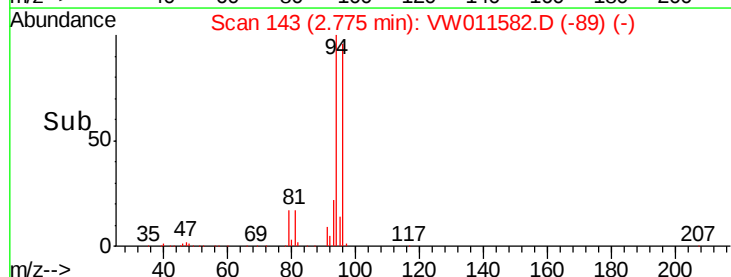
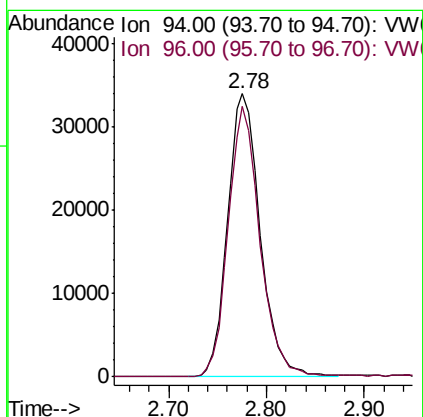
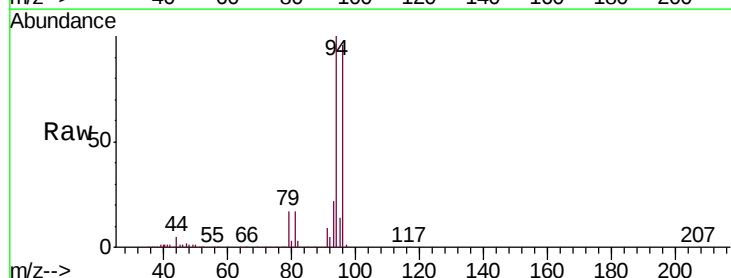
Acq: 31 Jul 2019 10:00

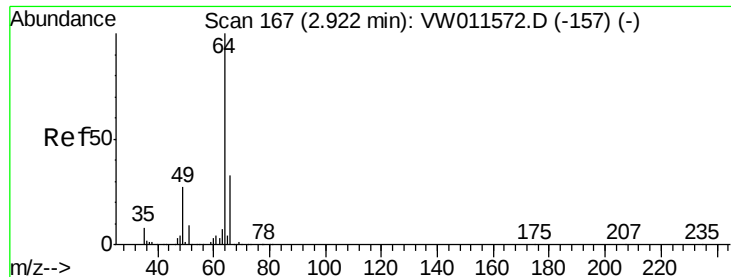
Tgt Ion: 94 Resp: 78743

Ion Ratio Lower Upper

94 100

96 92.8 9.3 175.9





#8

Chloroethane

Concen: 26.474 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

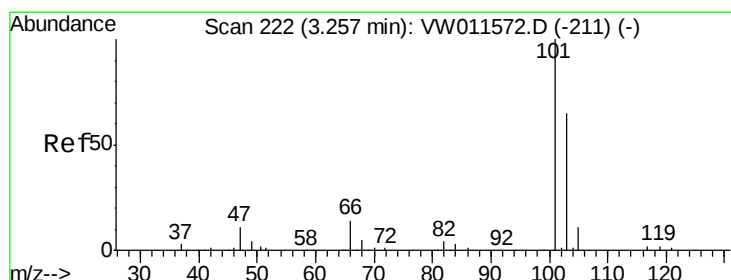
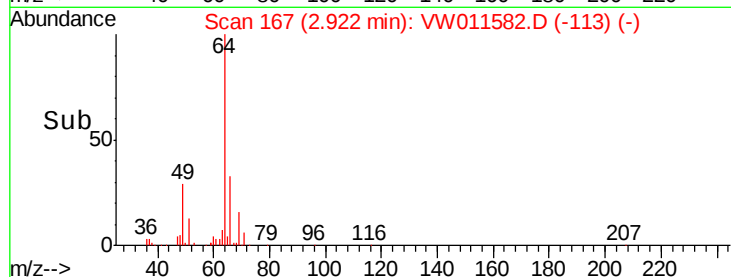
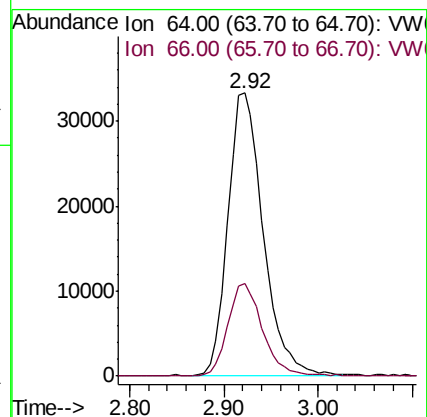
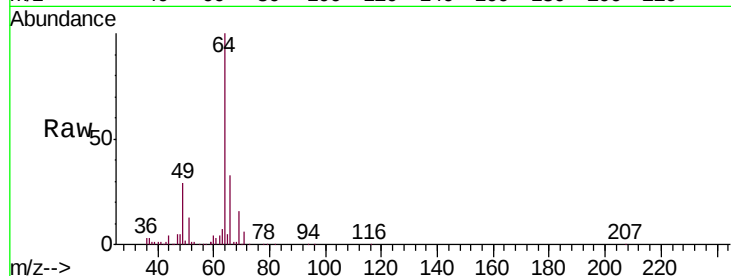
VSTD02525

Tgt Ion: 64 Resp: 87057

Ion Ratio Lower Upper

64 100

66 32.5 22.0 40.8



#9

Trichlorofluoromethane

Concen: 26.977 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW011582.D

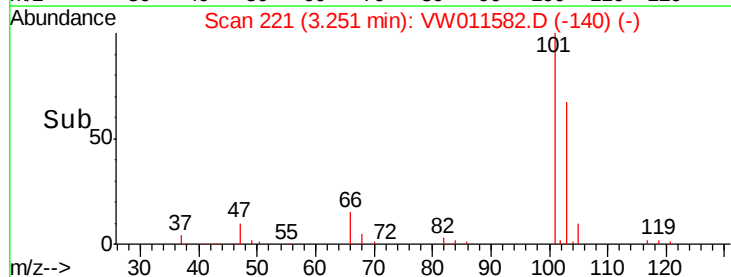
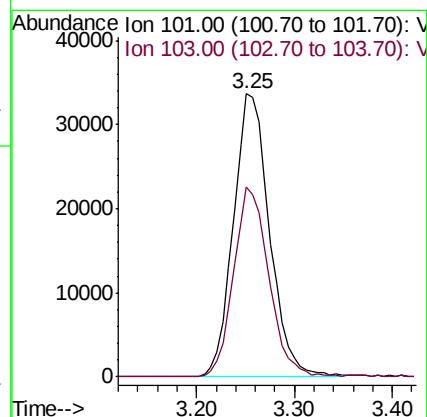
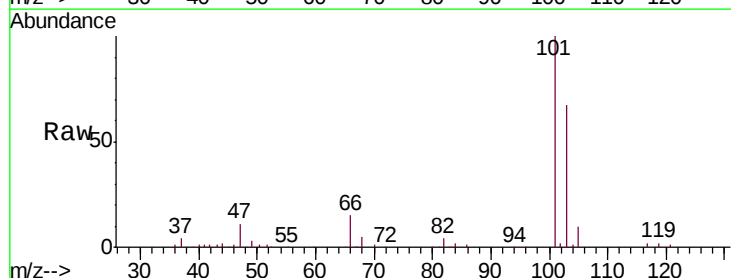
Acq: 31 Jul 2019 10:00

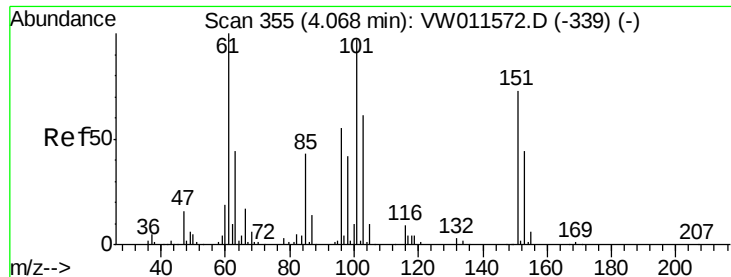
Tgt Ion: 101 Resp: 86405

Ion Ratio Lower Upper

101 100

103 64.8 44.3 82.3





#11

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

Concen: 26.263 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

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ClientSampleId :

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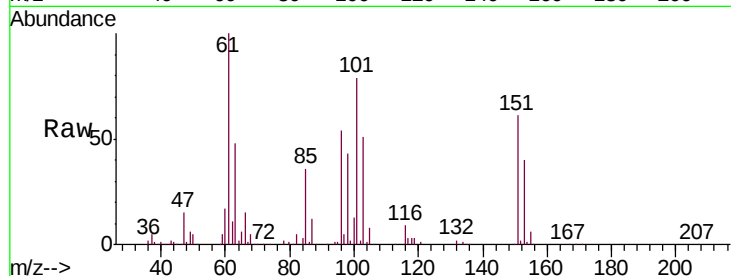
Tgt Ion: 101 Resp: 127527

Ion Ratio Lower Upper

101 100

85 44.8 37.0 55.4

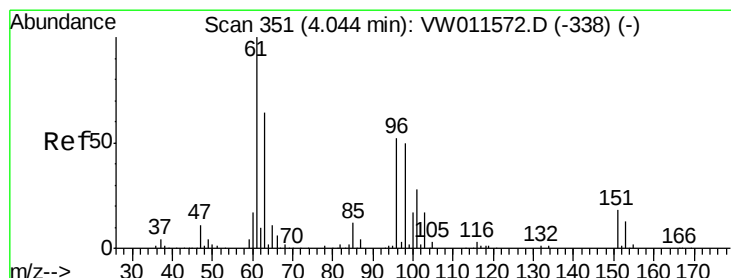
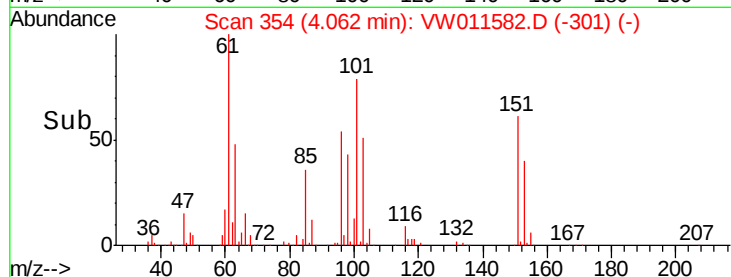
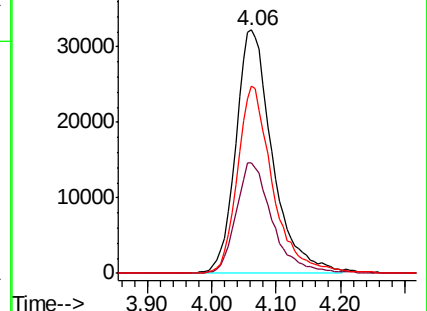
151 73.7 60.8 91.2



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: 26.382 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

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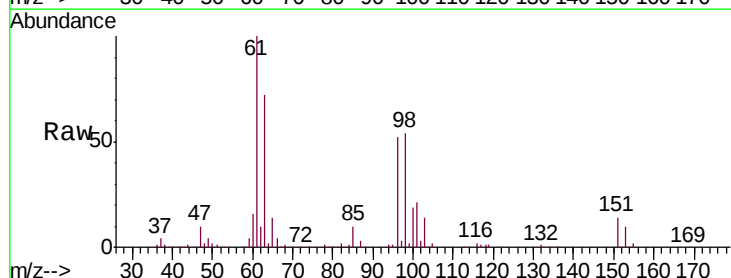
Tgt Ion: 96 Resp: 128096

Ion Ratio Lower Upper

96 100

61 192.8 135.0 250.8

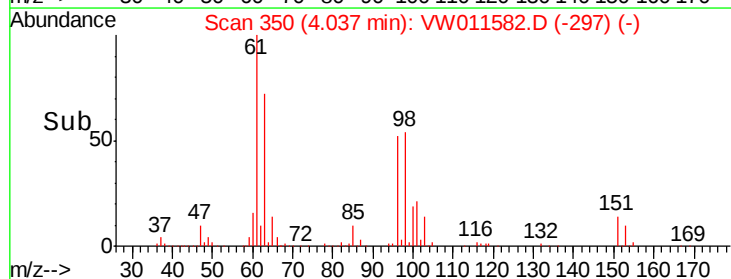
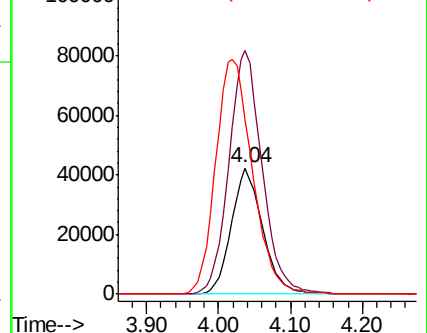
63 138.4 89.2 165.8

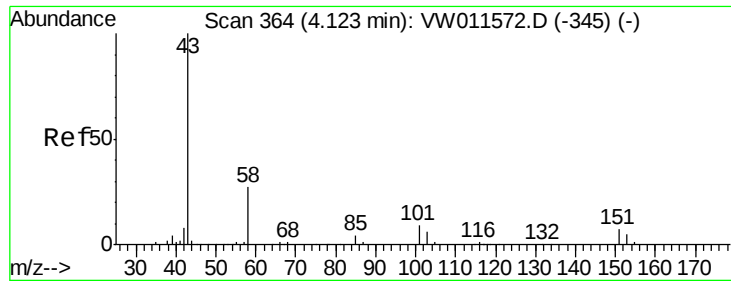


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 69.160 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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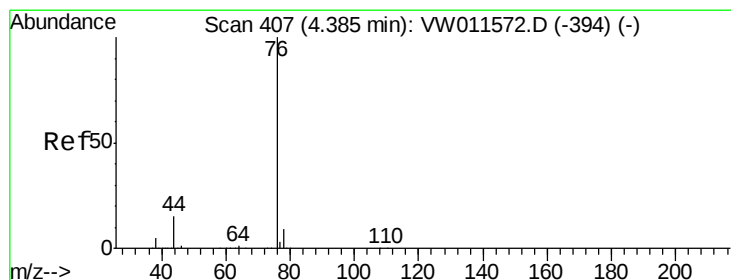
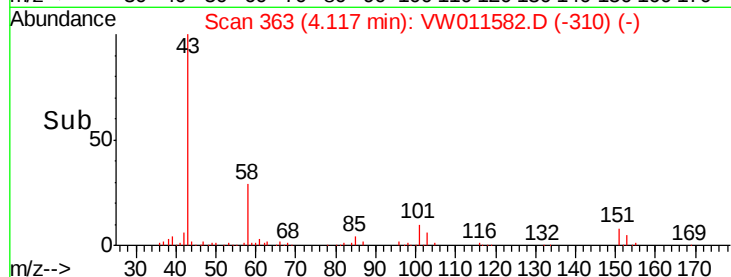
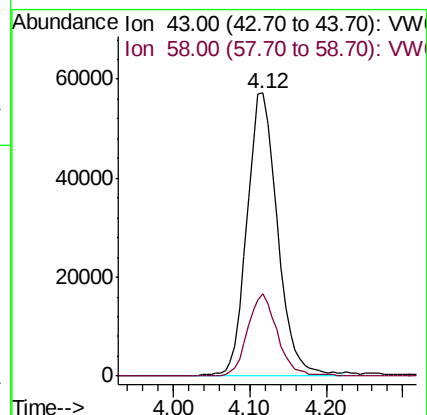
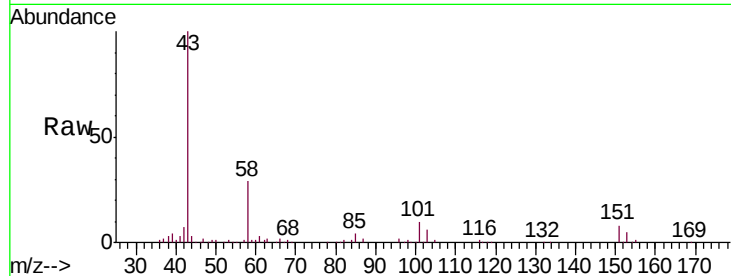
VSTD02525

Tgt Ion: 43 Resp: 158764

Ion Ratio Lower Upper

43 100

58 27.6 0.0 53.4



#14

Carbon disulfide

Concen: 26.366 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011582.D

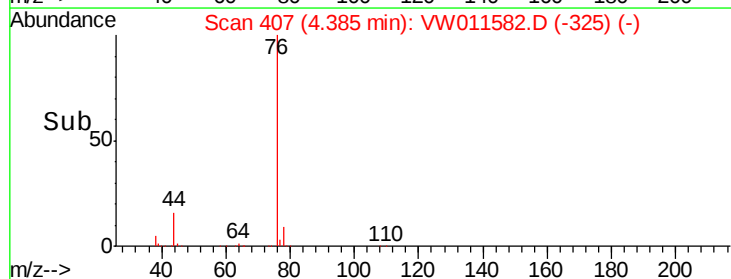
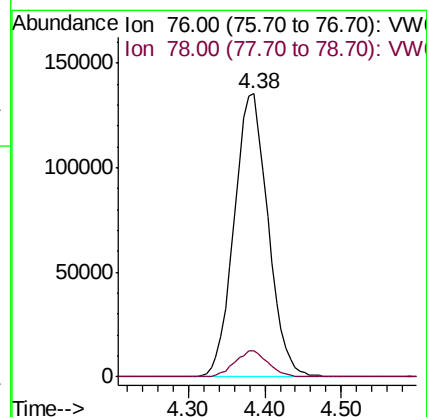
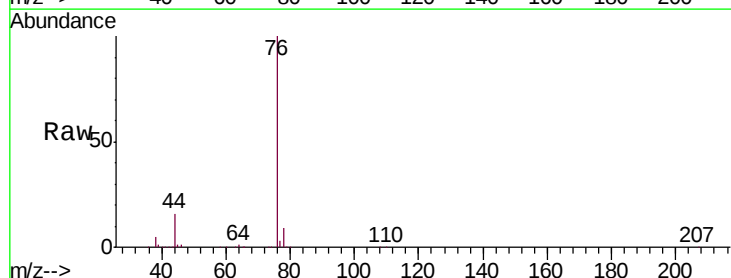
Acq: 31 Jul 2019 10:00

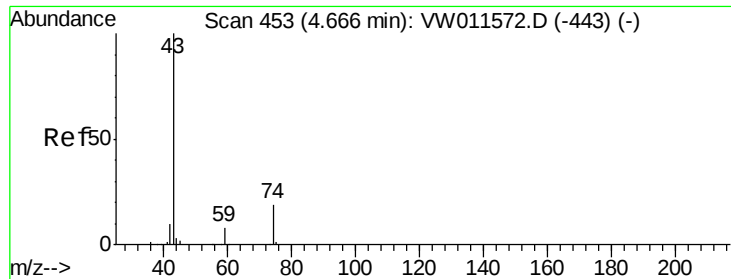
Tgt Ion: 76 Resp: 416945

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

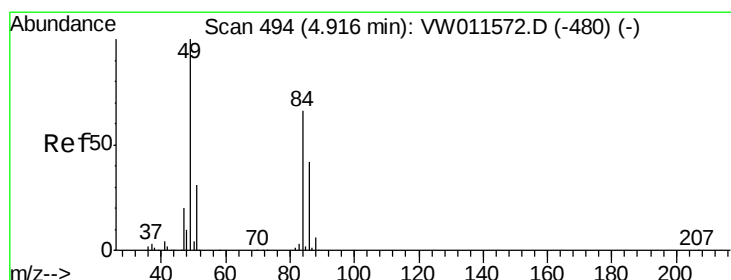
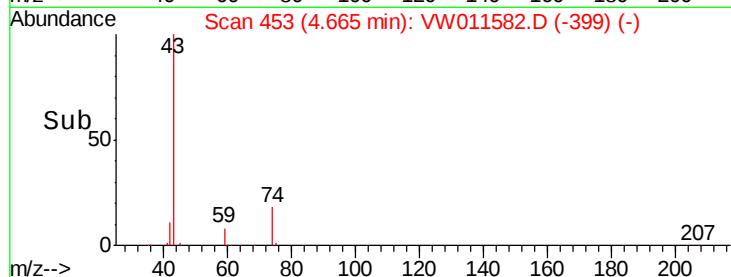
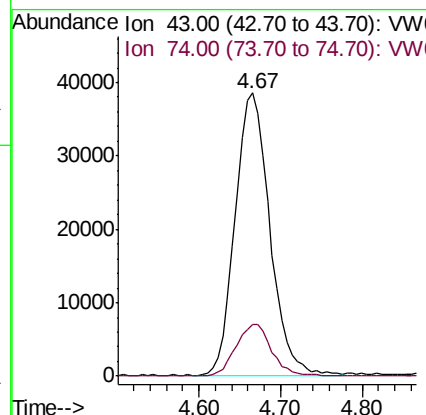
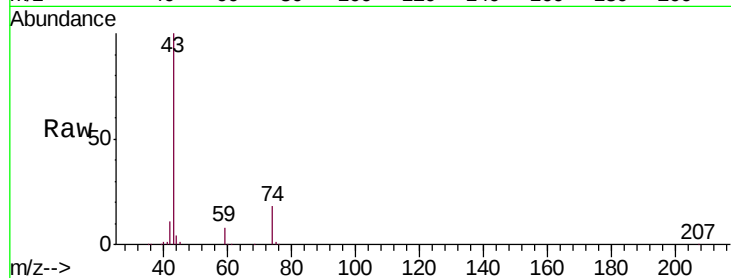




#15
Methyl Acetate
Concen: 30.189 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

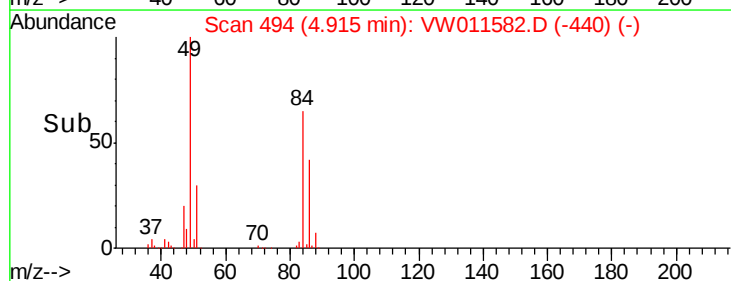
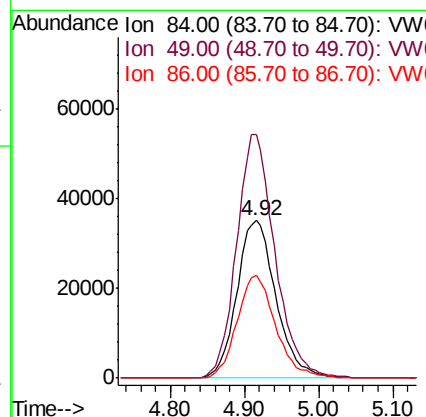
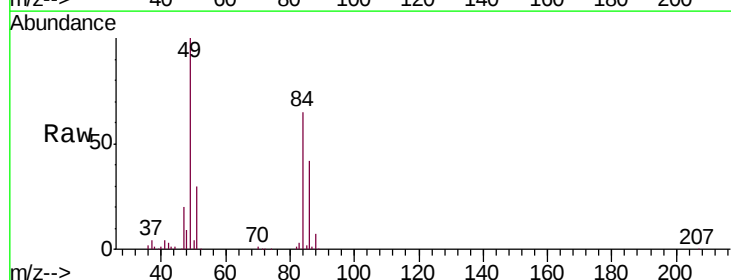
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

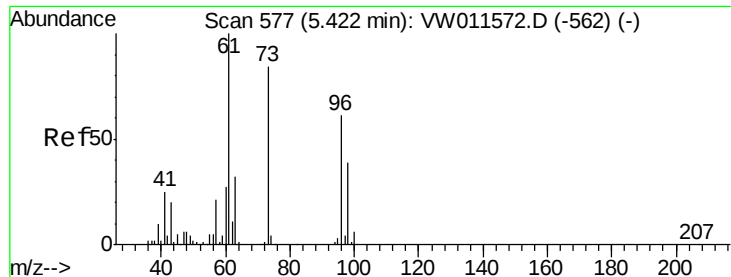
Tgt Ion: 43 Resp: 113310
Ion Ratio Lower Upper
43 100
74 18.6 15.0 22.4



#16
Methylene chloride
Concen: 24.449 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

Tgt Ion: 84 Resp: 128981
Ion Ratio Lower Upper
84 100
49 154.3 106.8 198.4
86 65.6 42.8 79.4

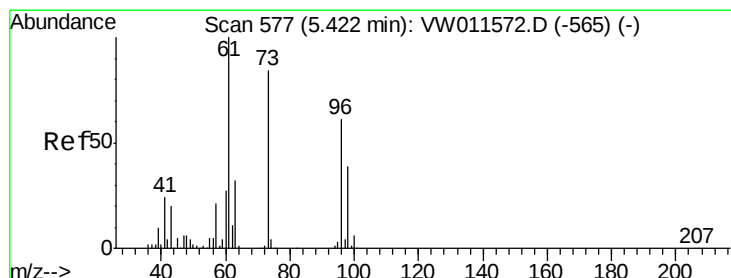
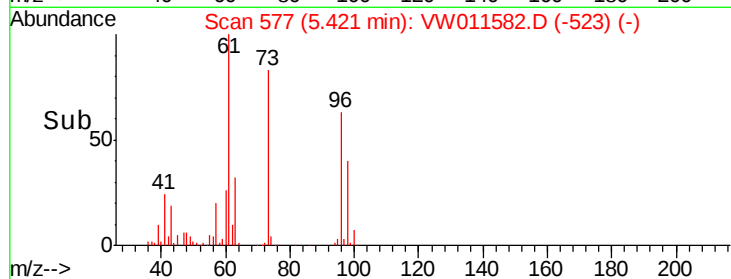
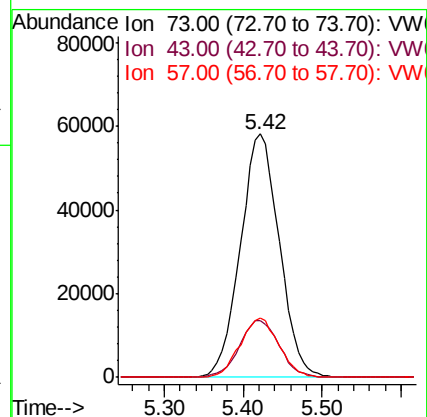
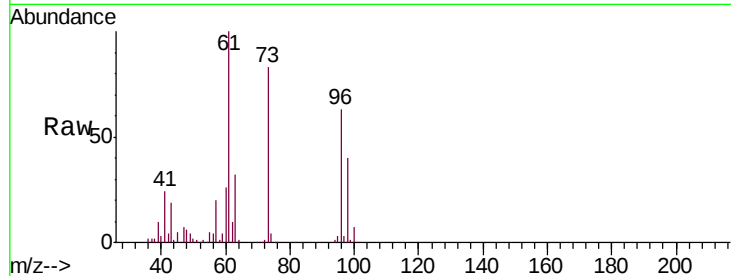




#17
Methyl tert-butyl Ether
Concen: 24.631 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

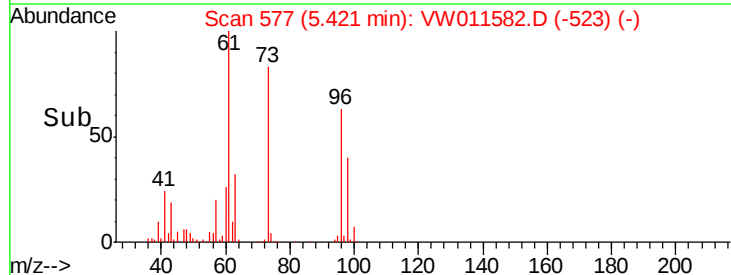
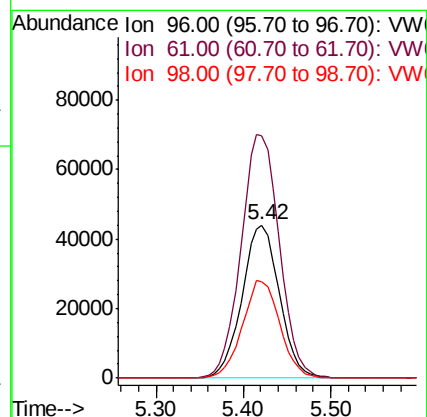
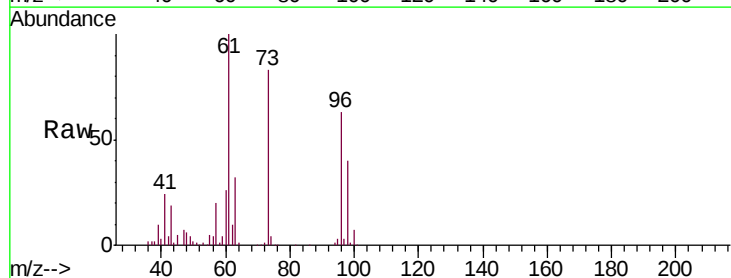
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

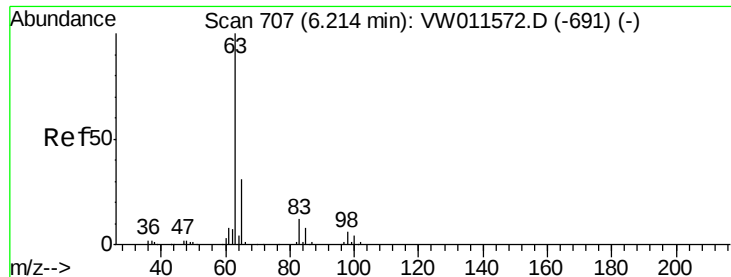
Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.7	19.3	28.9
57	24.3	19.7	29.5



#18
trans-1,2-Dichloroethene
Concen: 26.087 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	114.2	212.0
98	63.4	45.6	84.6

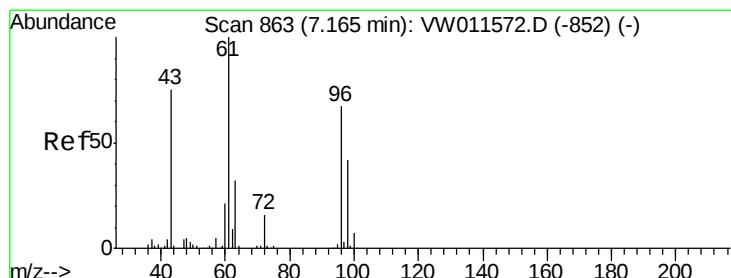
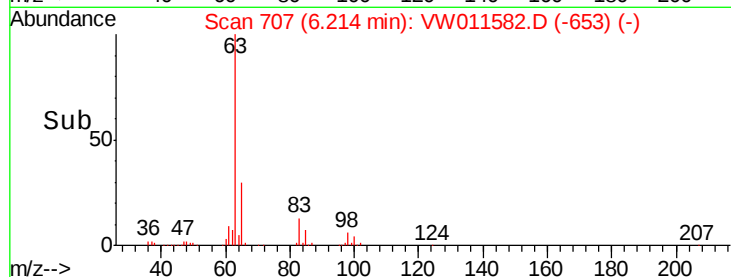
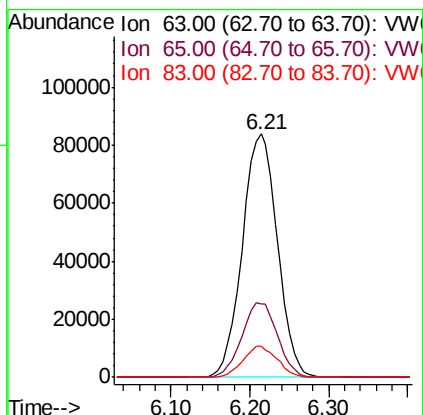
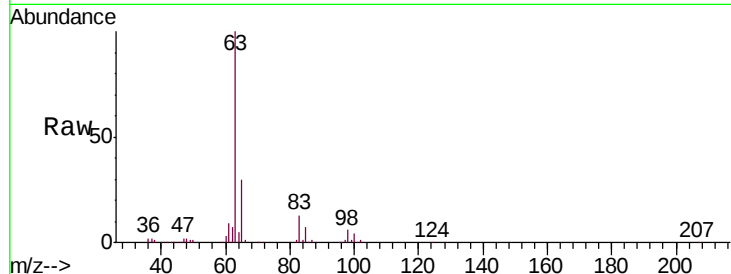




#19
 1,1-Dichloroethane
 Concen: 25.908 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

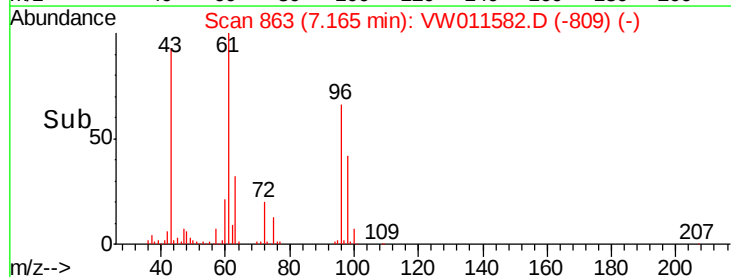
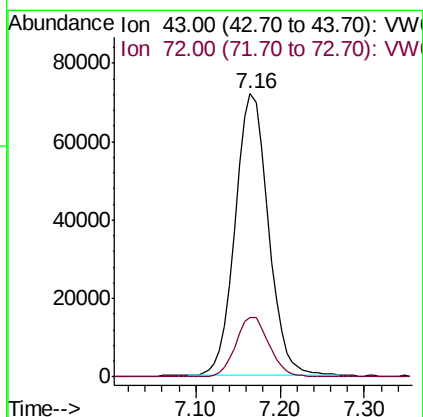
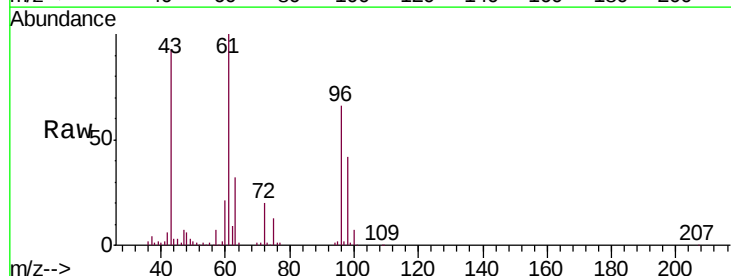
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02525

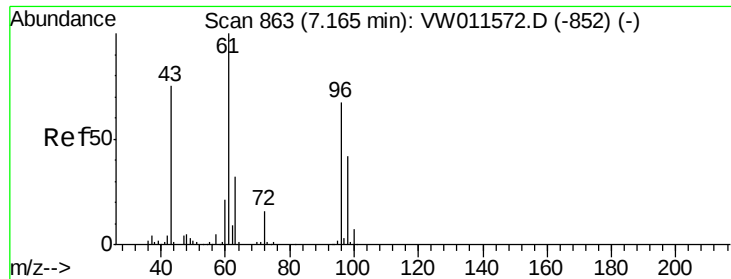
Tgt Ion: 63 Resp: 259623
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.7 40.3
 83 12.6 8.4 15.6



#21
 2-Butanone
 Concen: 66.627 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Tgt Ion: 43 Resp: 191762
 Ion Ratio Lower Upper
 43 100
 72 21.4 10.7 32.1



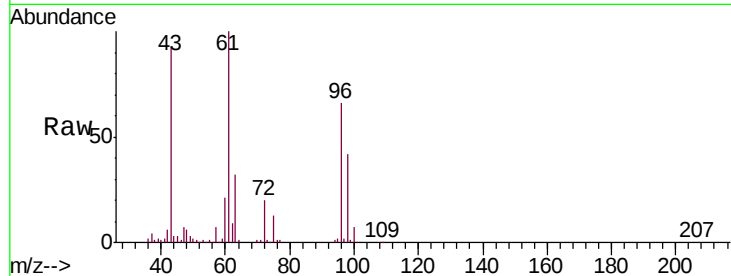


#22

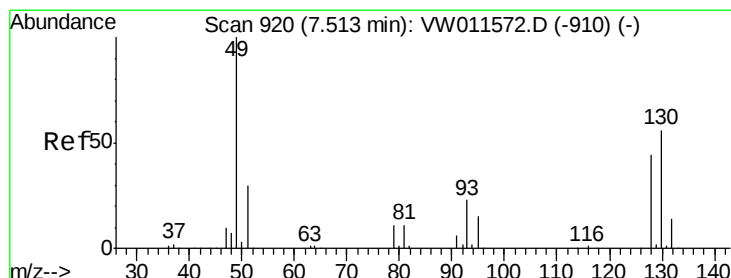
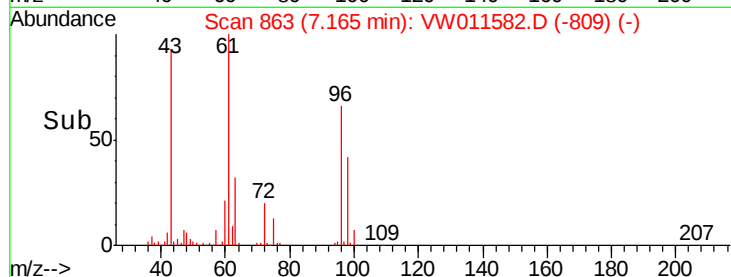
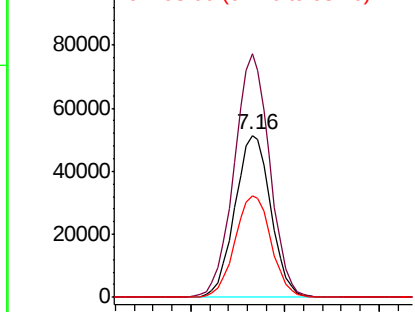
cis-1,2-Dichloroethene
 Concen: 26.024 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02525

Tgt Ion: 96 Resp: 136578
 Ion Ratio Lower Upper
 96 100
 61 150.4 103.9 192.9
 98 63.0 43.5 80.9



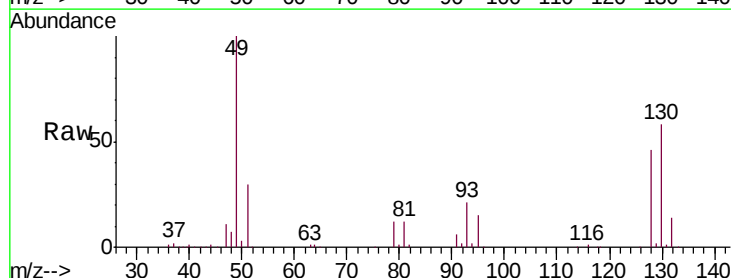
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



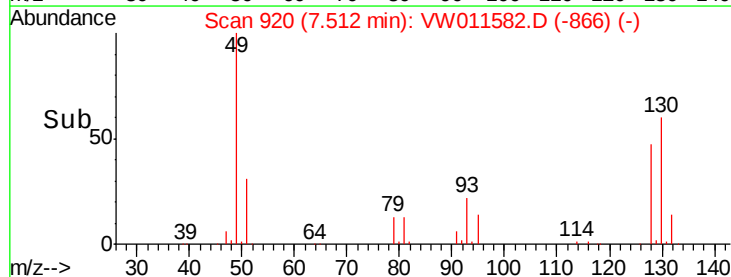
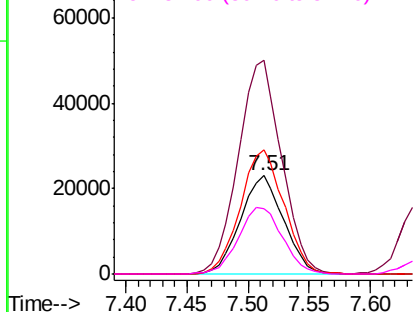
#23

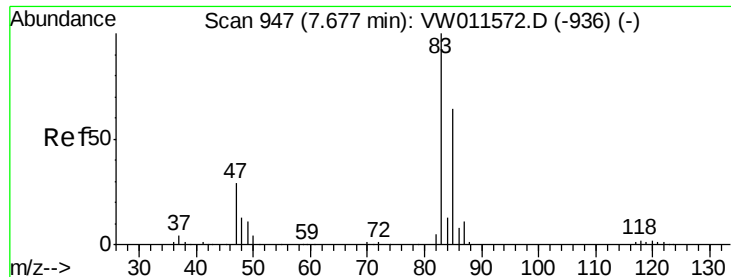
Bromochloromethane
 Concen: 25.319 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Tgt Ion: 128 Resp: 56537
 Ion Ratio Lower Upper
 128 100
 49 217.4 153.6 285.3
 130 126.2 89.5 166.3
 51 66.3 53.0 79.6



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

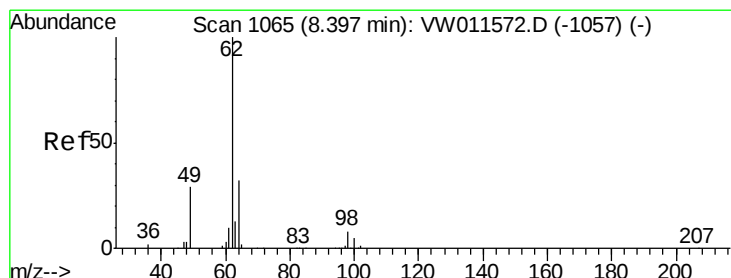
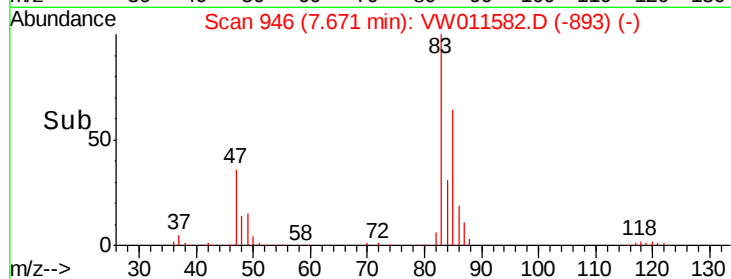
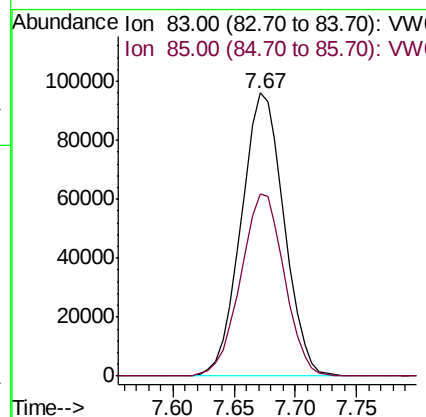
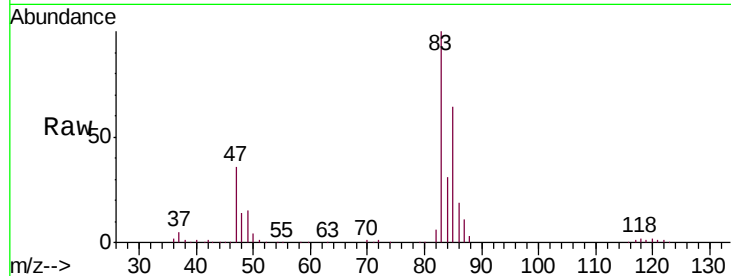




#25
Chloroform
Concen: 25.326 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

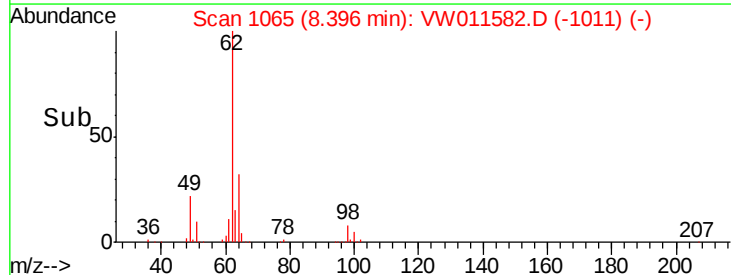
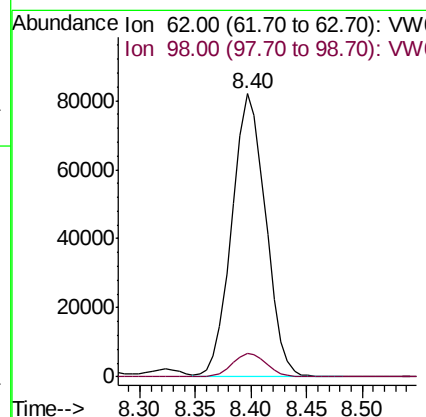
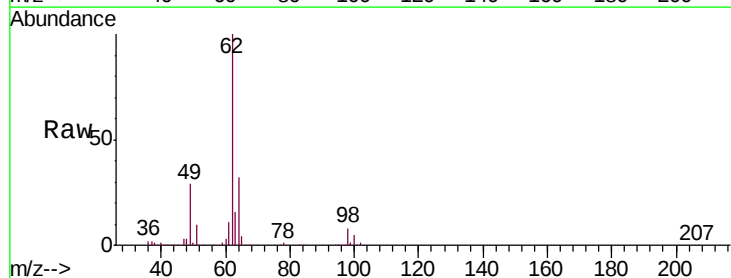
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

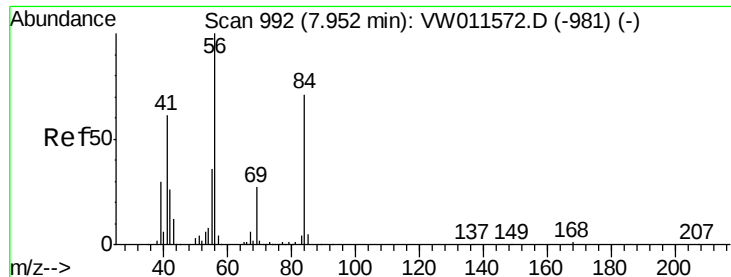
Tgt Ion: 83 Resp: 233927
Ion Ratio Lower Upper
83 100
85 65.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.305 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

Tgt Ion: 62 Resp: 173025
Ion Ratio Lower Upper
62 100
98 8.3 7.2 10.8

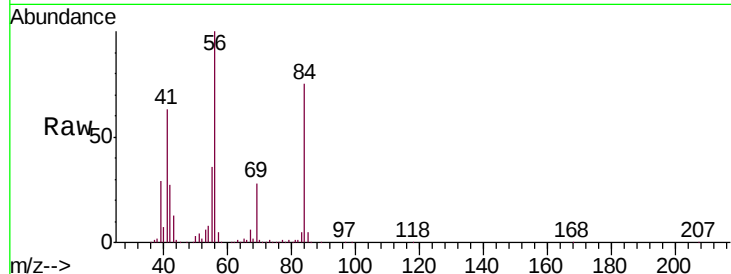




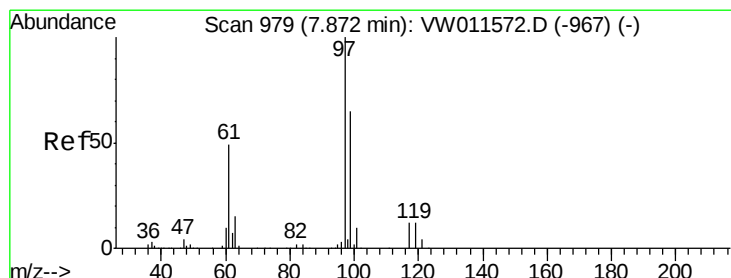
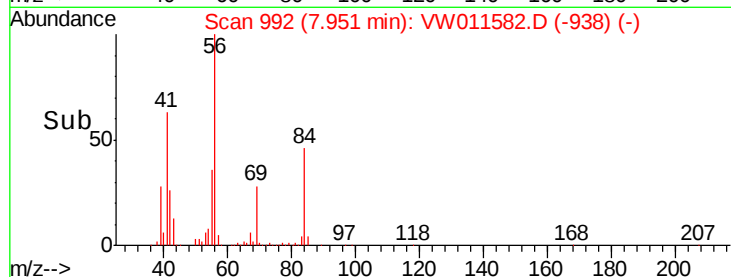
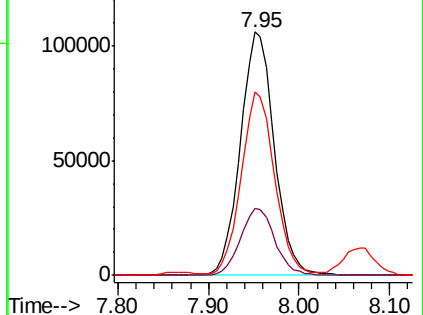
#30
Cyclohexane
Concen: 26.633 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.4	33.6
84	74.2	60.6	91.0

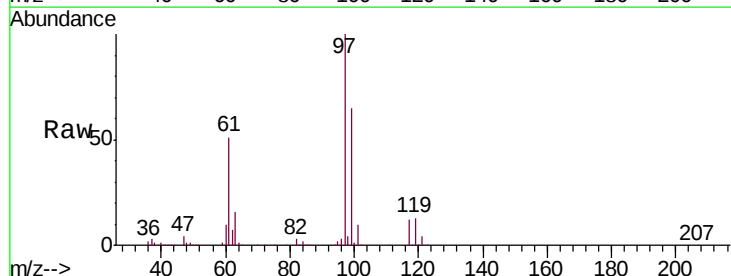


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

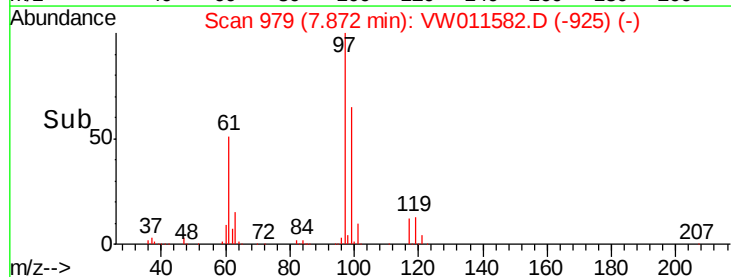
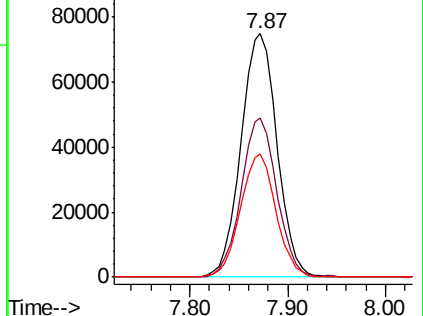


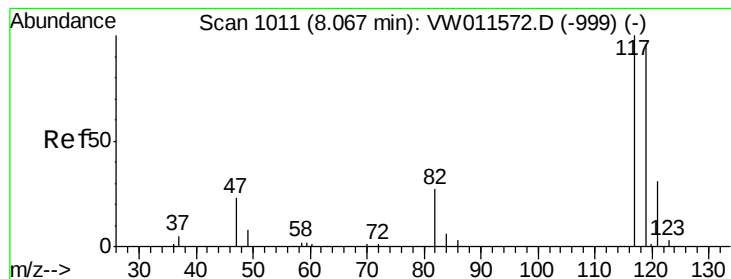
#31
1,1,1-Trichloroethane
Concen: 26.563 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.1	78.1
61	49.7	40.3	60.5



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





#32

Carbon tetrachloride

Concen: 26.391 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

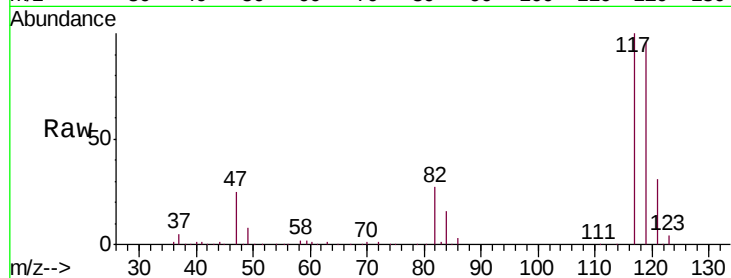
VSTD02525

Tgt Ion:117 Resp: 178925

Ion Ratio Lower Upper

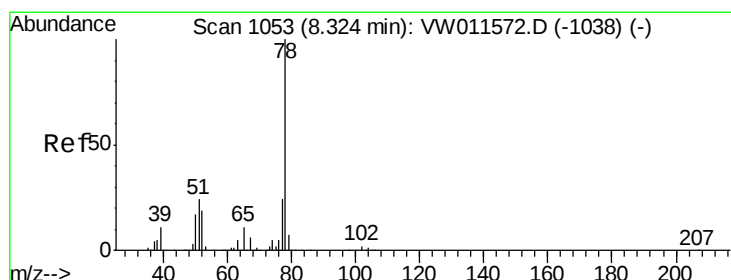
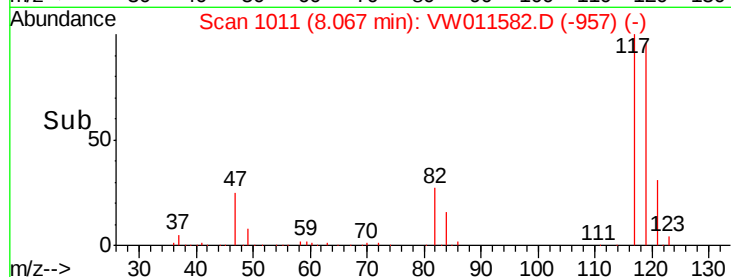
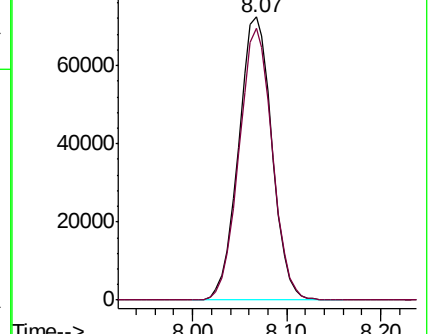
117 100

119 95.6 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.294 ug/L

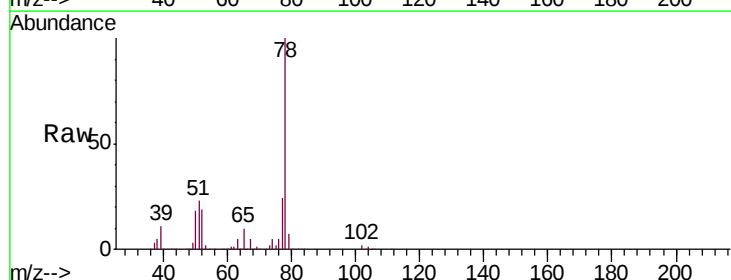
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

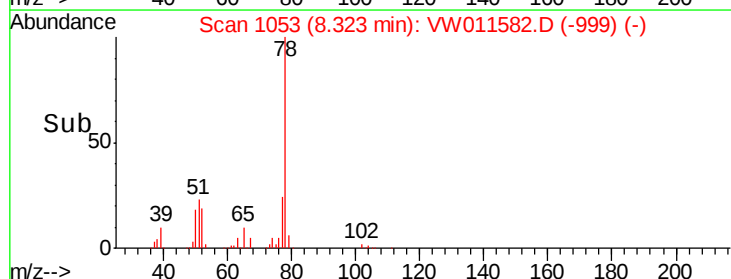
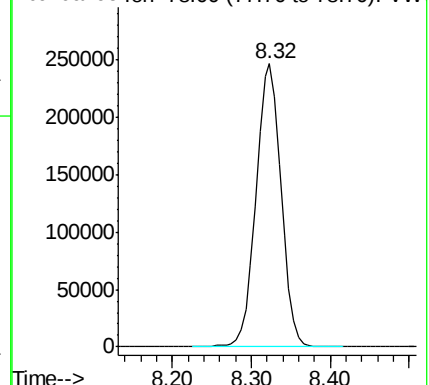
Lab File: VW011582.D

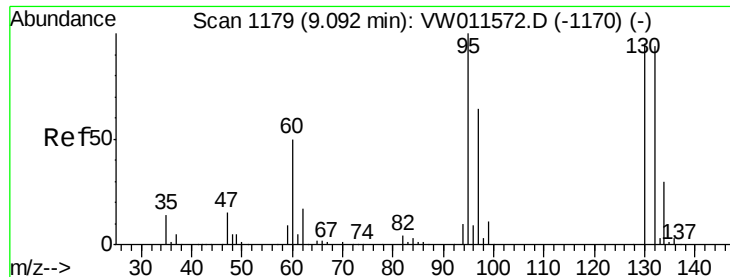
Acq: 31 Jul 2019 10:00

Tgt Ion: 78 Resp: 544962



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.289 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 95 Resp: 138321

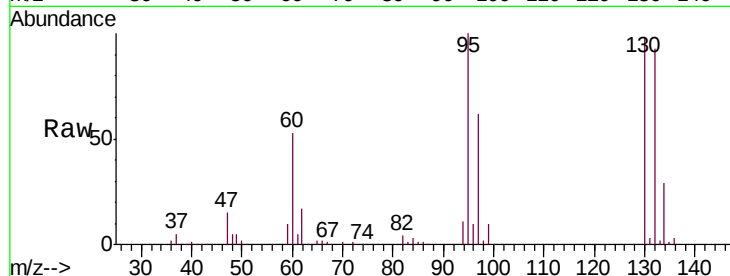
Ion Ratio Lower Upper

95 100

97 62.9 44.8 83.2

132 91.4 65.0 120.6

130 97.0 68.0 126.4



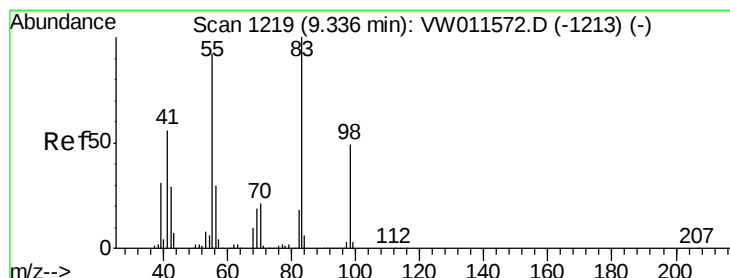
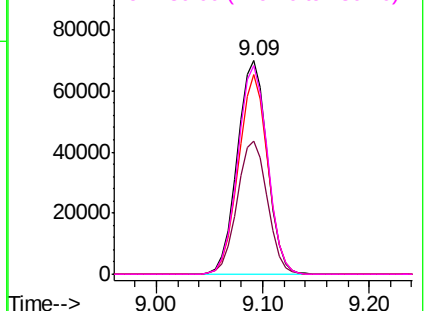
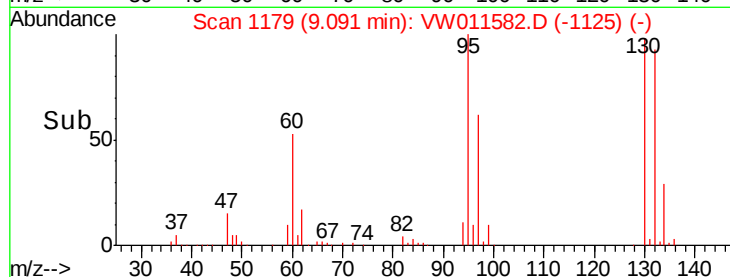
Abundance

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: 26.369 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

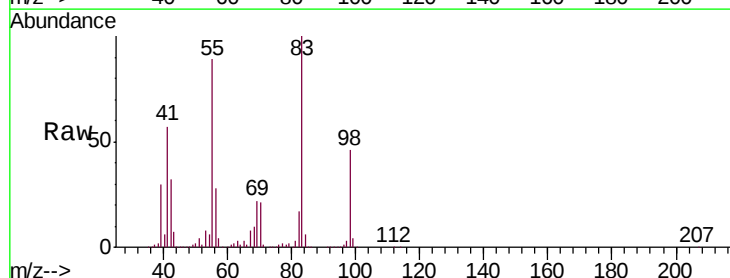
Tgt Ion: 83 Resp: 251698

Ion Ratio Lower Upper

83 100

55 90.1 72.6 108.8

98 47.6 37.8 56.6

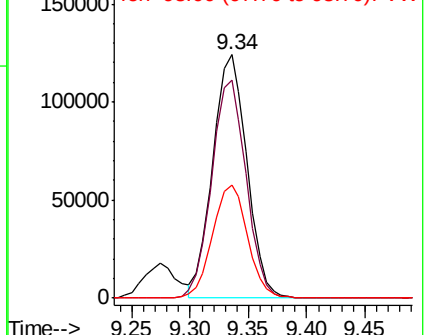
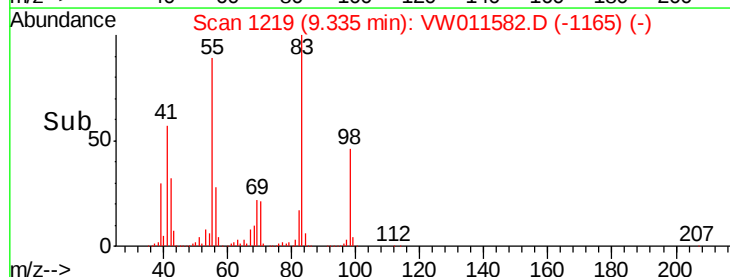


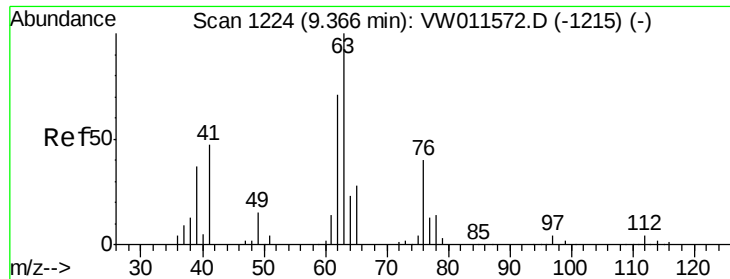
Abundance

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

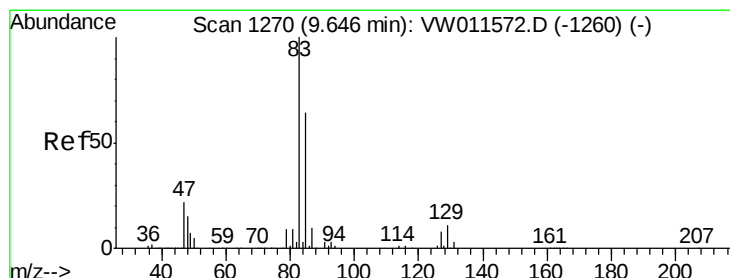
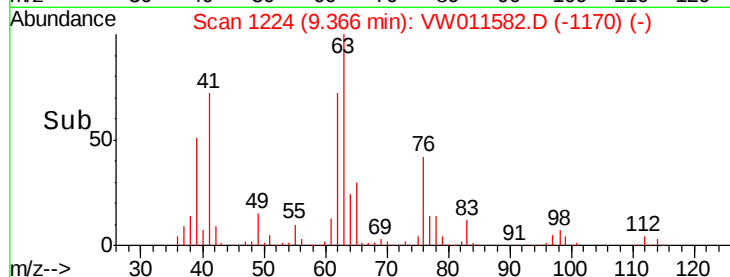
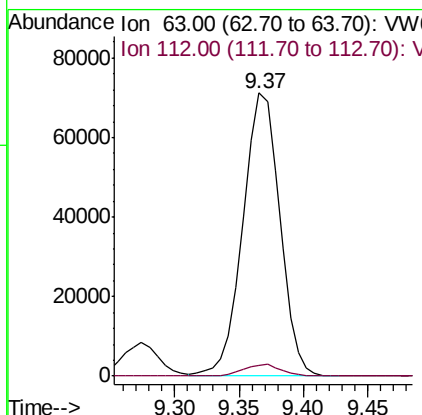
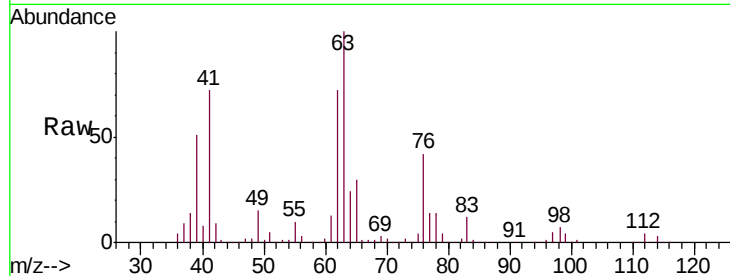




#40
 1,2-Dichloropropane
 Concen: 25.663 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

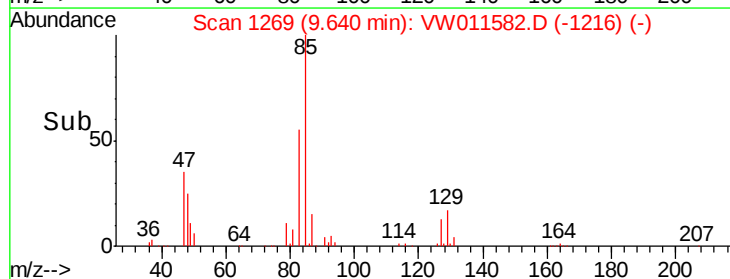
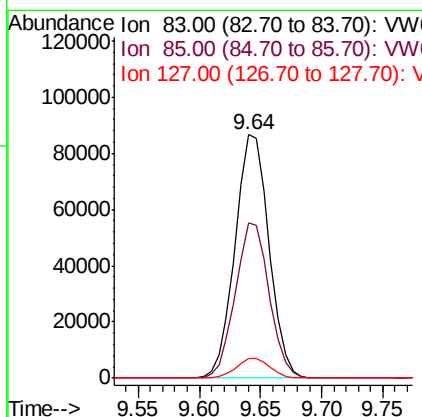
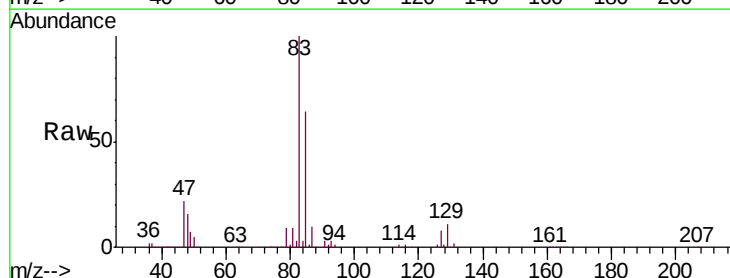
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

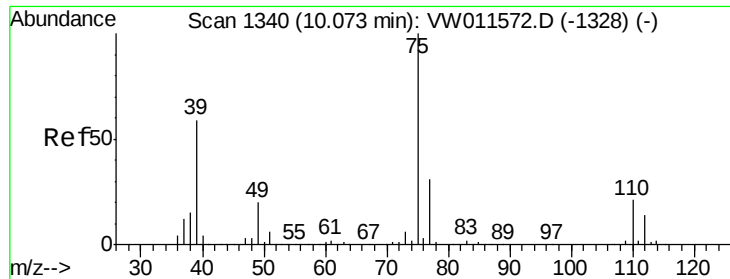
Tgt Ion: 63 Resp: 141979
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#41
 Bromodichloromethane
 Concen: 25.594 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Tgt Ion: 83 Resp: 167090
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.0 81.6
 127 8.1 6.5 9.7

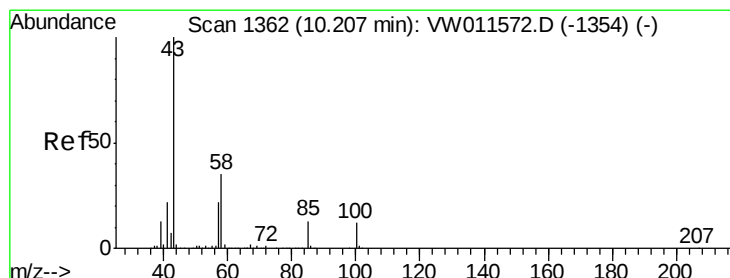
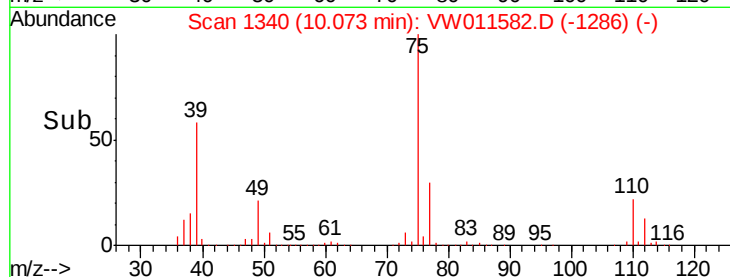
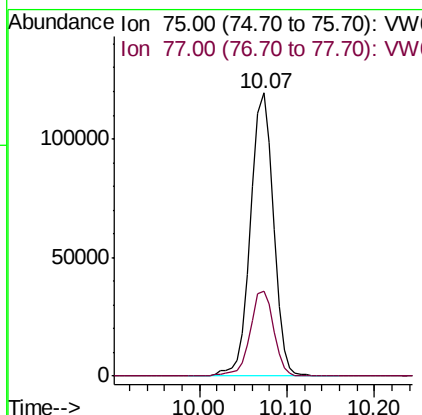
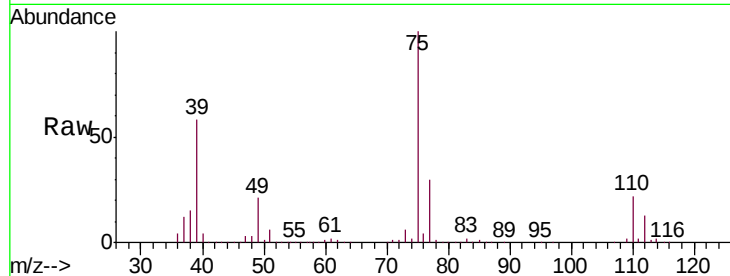




#42
 cis-1,3-Dichloropropene
 Concen: 26.356 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

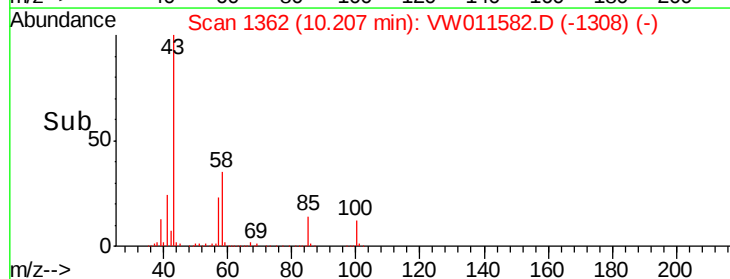
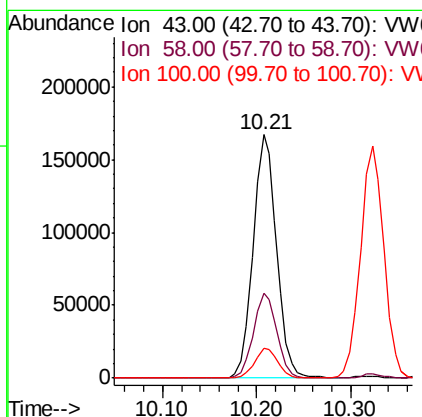
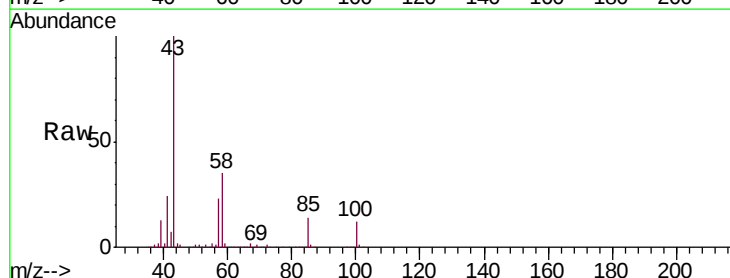
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

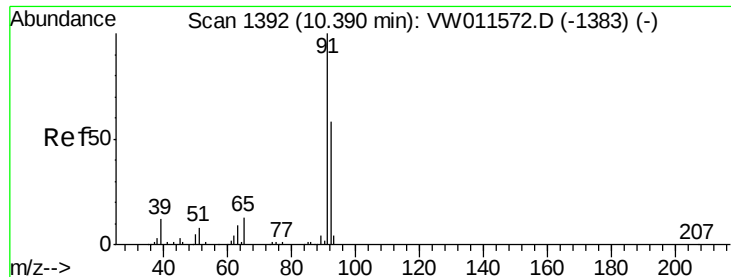
Tgt Ion: 75 Resp: 218101
 Ion Ratio Lower Upper
 75 100
 77 29.9 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 58.463 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Tgt Ion: 43 Resp: 293054
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.0 42.0
 100 12.2 9.4 14.2





#44

Toluene

Concen: 26.559 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

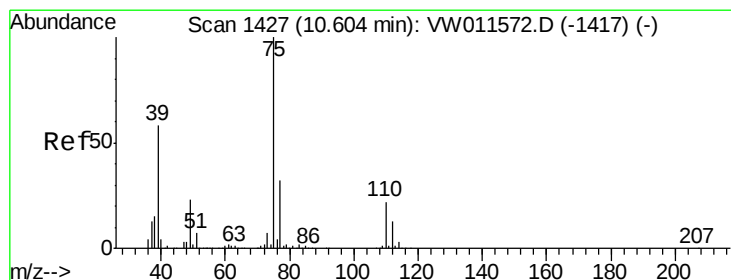
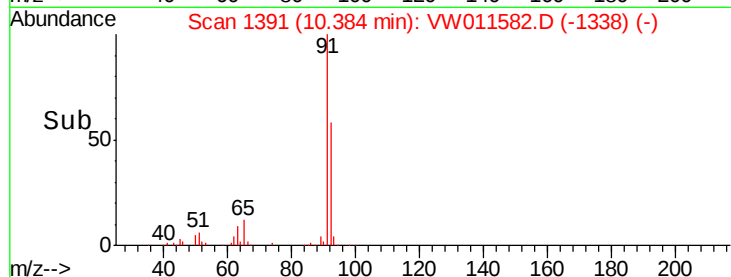
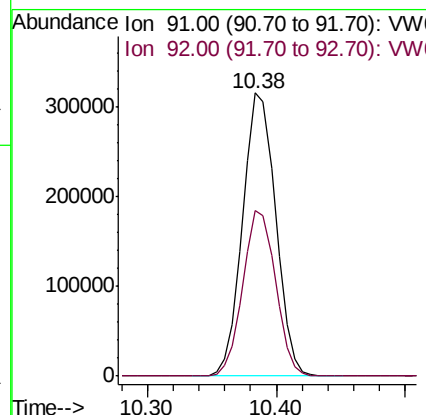
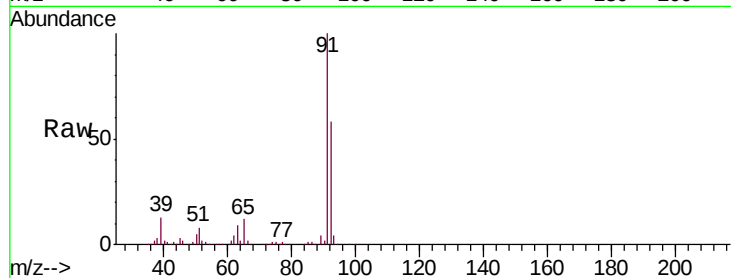
VSTD02525

Tgt Ion: 91 Resp: 559255

Ion Ratio Lower Upper

91 100

92 58.4 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 25.650 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011582.D

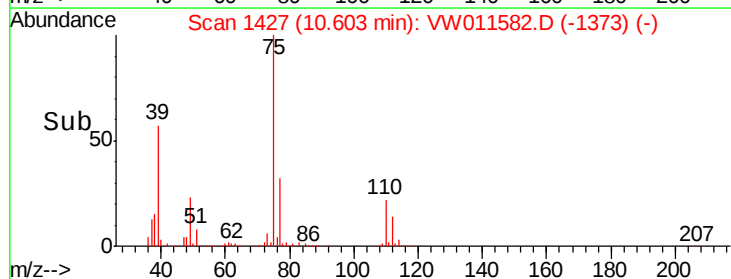
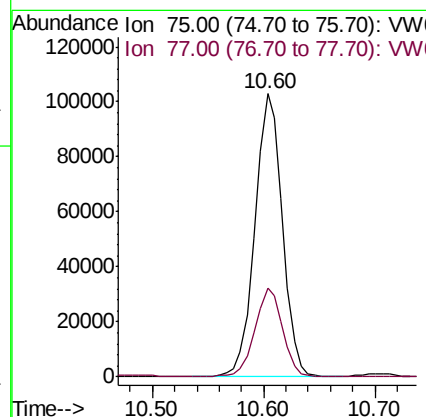
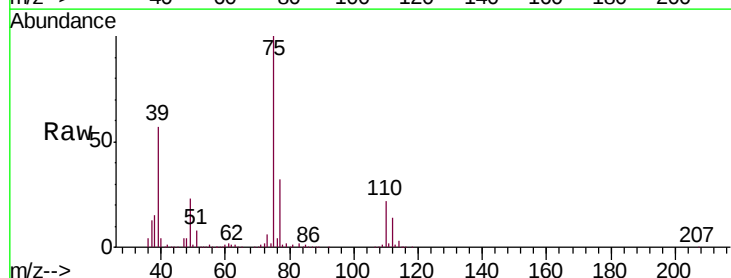
Acq: 31 Jul 2019 10:00

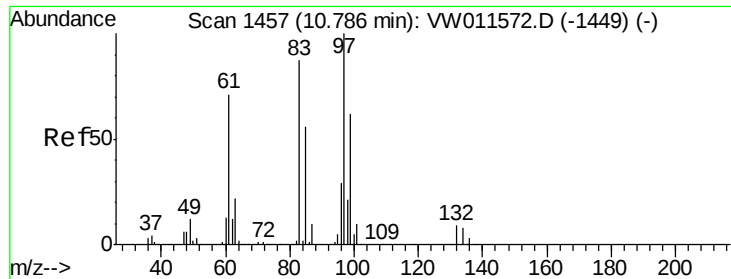
Tgt Ion: 75 Resp: 176597

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 25.528 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 97 Resp: 96289

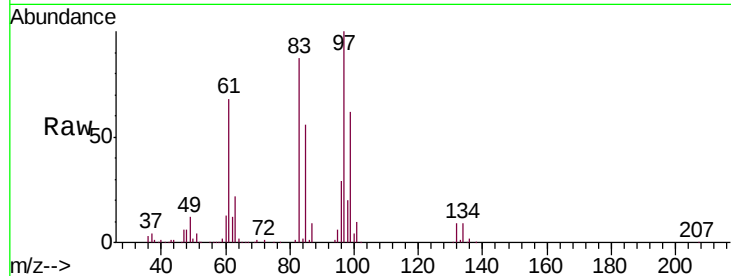
Ion Ratio Lower Upper

97 100

83 87.4 63.8 118.6

85 55.6 39.3 72.9

99 61.6 43.5 80.7

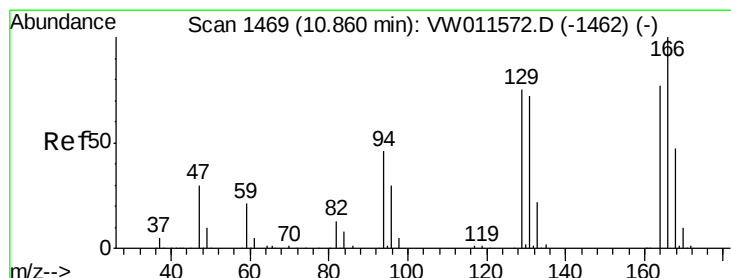
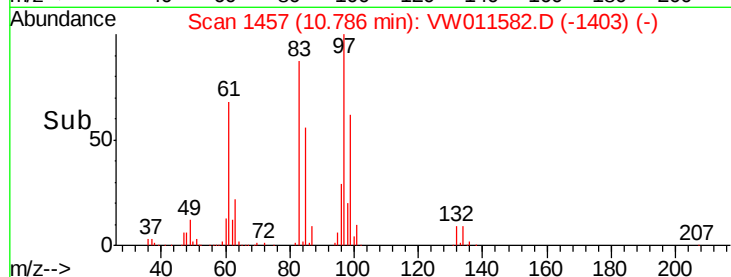
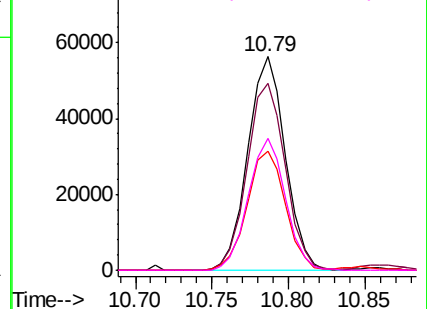


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.858 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Tgt Ion: 164 Resp: 103922

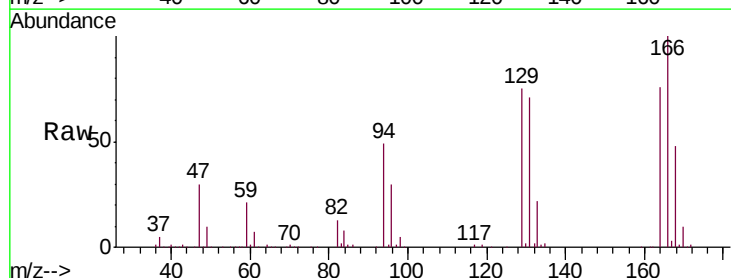
Ion Ratio Lower Upper

164 100

129 97.7 64.0 119.0

131 93.4 58.6 108.8

166 130.9 91.7 170.3

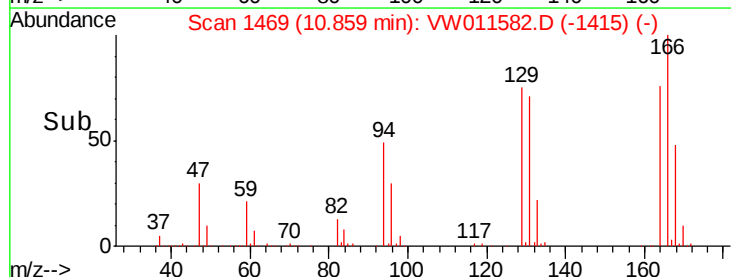
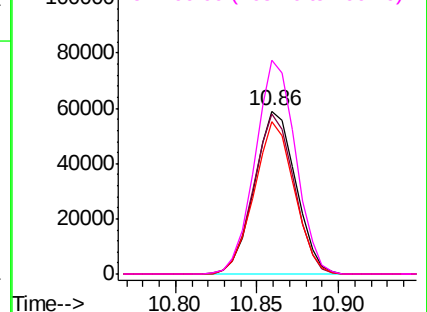


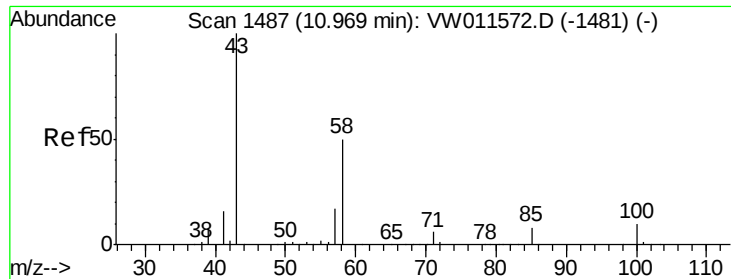
Abundance Ion 164.00 (163.70 to 164.70): V

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

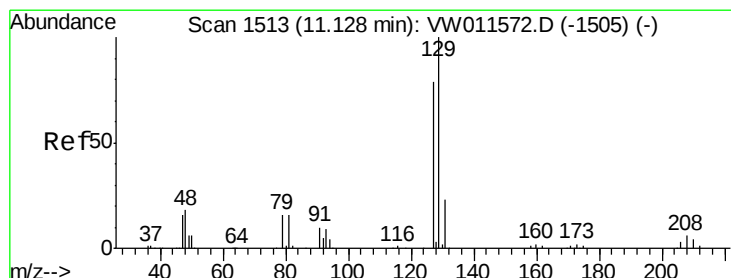
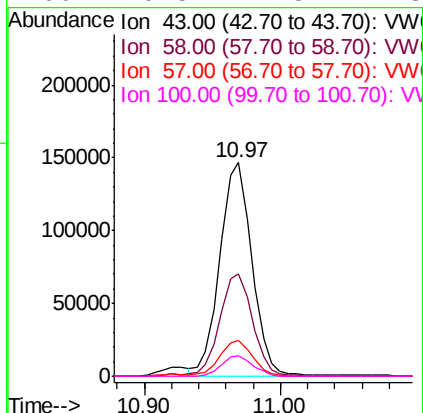
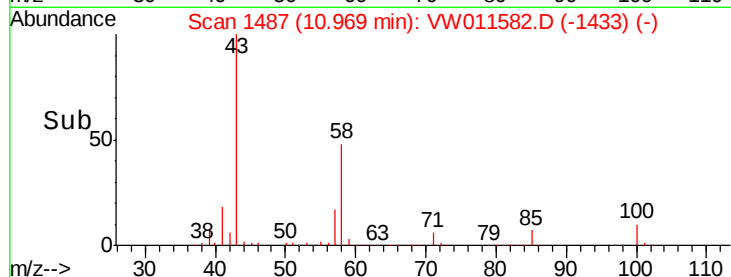
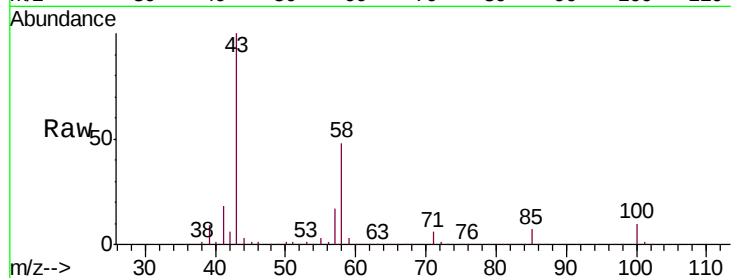




#49
2-Hexanone
Concen: 62.491 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

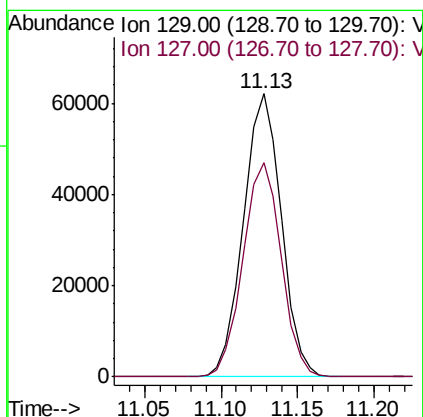
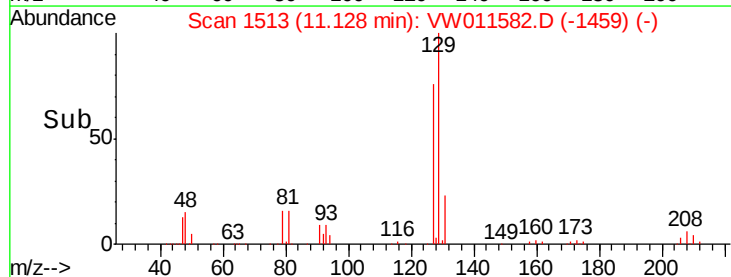
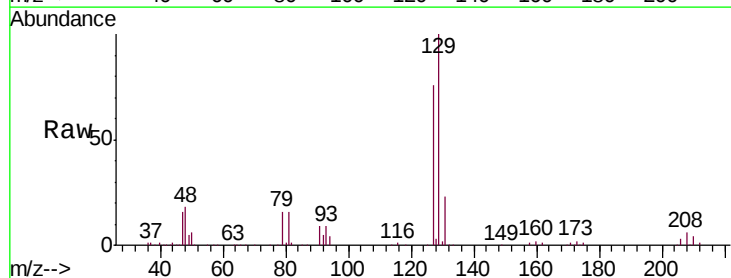
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

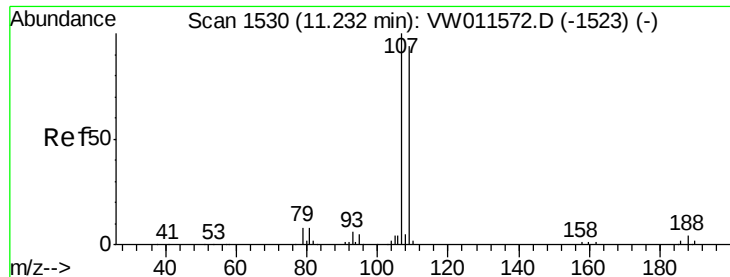
Tgt Ion: 43 Resp: 241332
Ion Ratio Lower Upper
43 100
58 48.4 38.6 57.8
57 17.0 13.0 19.6
100 9.5 7.5 11.3



#50
Dibromochloromethane
Concen: 25.790 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

Tgt Ion: 129 Resp: 107221
Ion Ratio Lower Upper
129 100
127 75.7 52.6 97.6

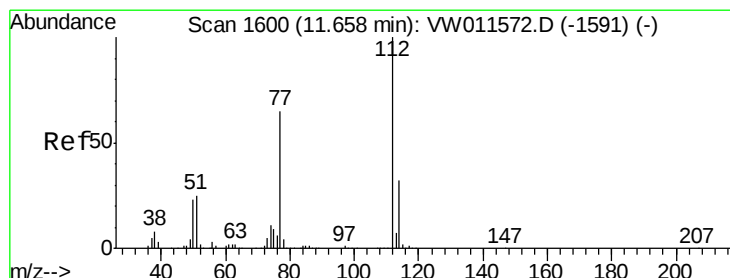
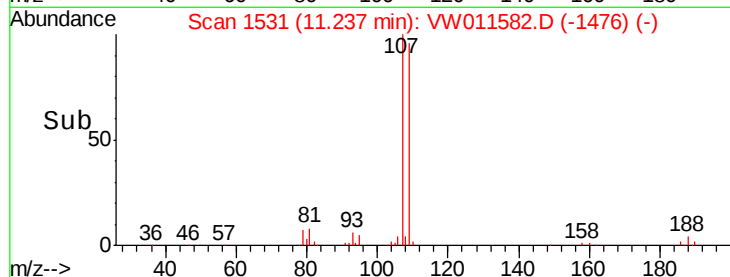
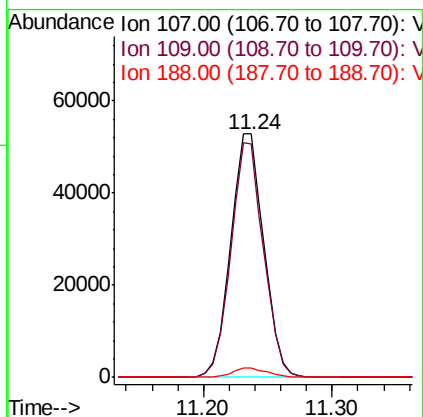
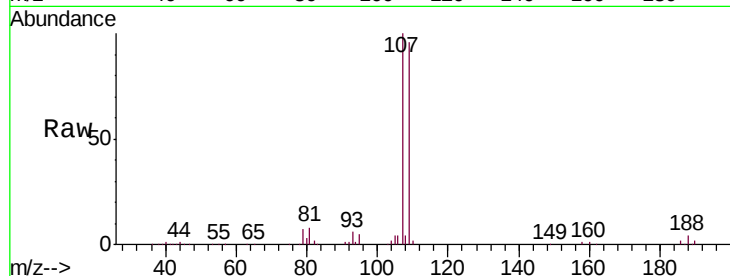




#51
 1,2-Dibromoethane
 Concen: 25.761 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

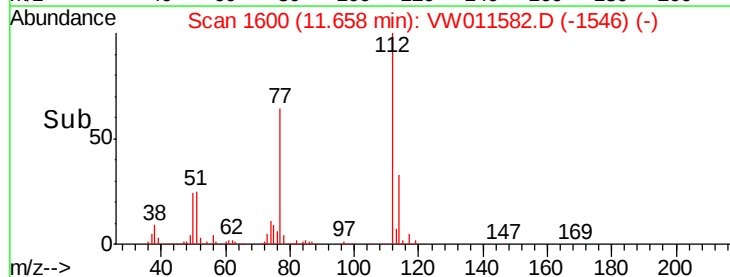
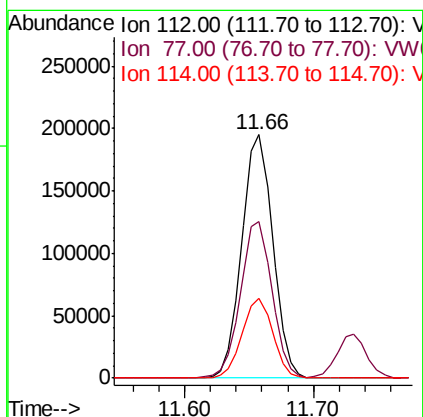
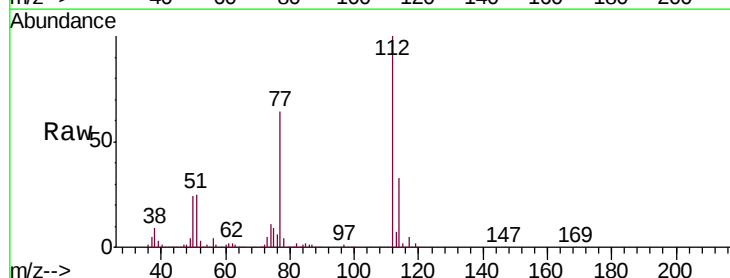
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

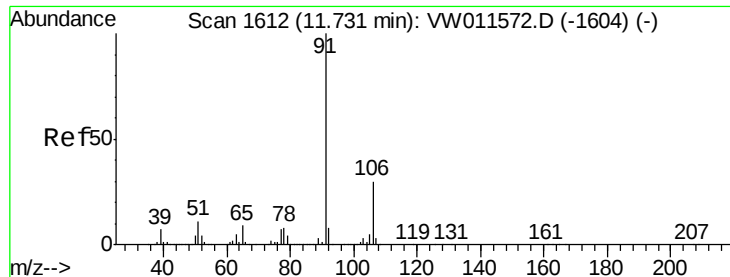
Tgt Ion:107 Resp: 94553
 Ion Ratio Lower Upper
 107 100
 109 95.9 66.1 122.8
 188 3.9 2.9 4.3



#52
 Chlorobenzene
 Concen: 25.604 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Tgt Ion:112 Resp: 325278
 Ion Ratio Lower Upper
 112 100
 77 64.1 51.0 76.4
 114 32.6 22.4 41.6

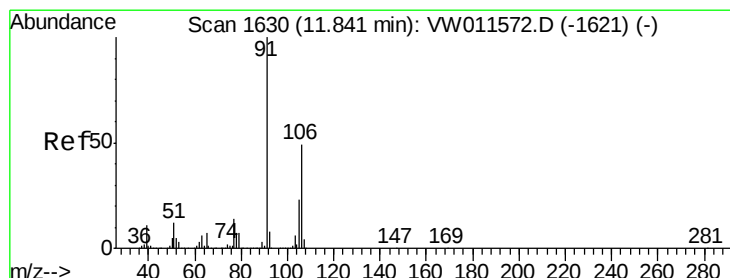
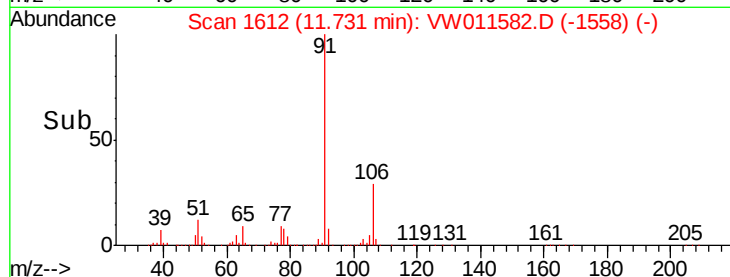
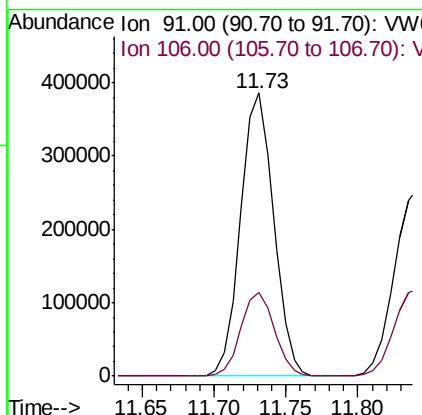
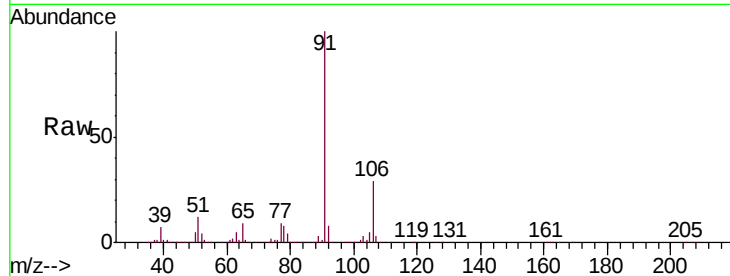




#53
Ethylbenzene
Concen: 26.299 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

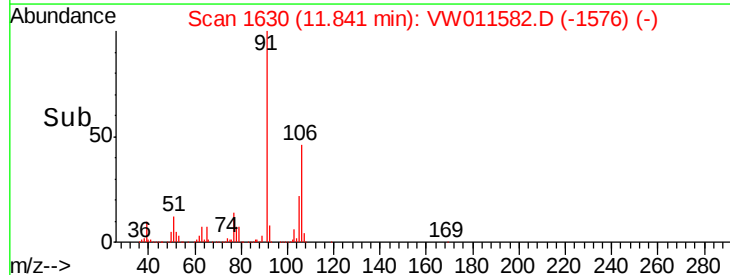
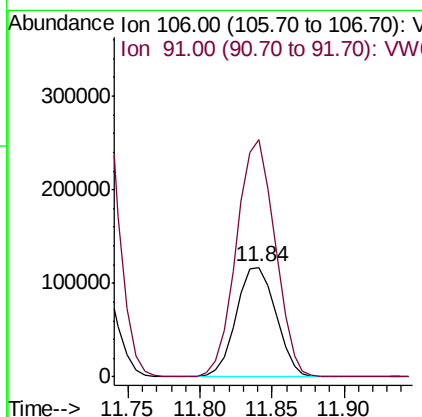
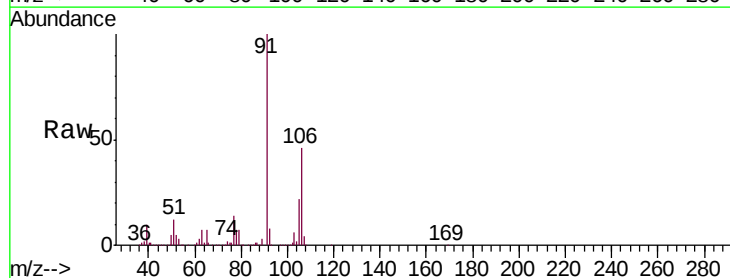
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

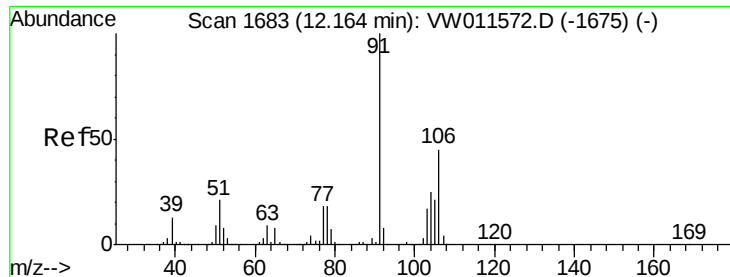
Tgt Ion: 91 Resp: 617560
Ion Ratio Lower Upper
91 100
106 29.4 20.6 38.4



#54
m,p-Xylene
Concen: 26.388 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

Tgt Ion: 106 Resp: 225326
Ion Ratio Lower Upper
106 100
91 215.5 149.6 277.8

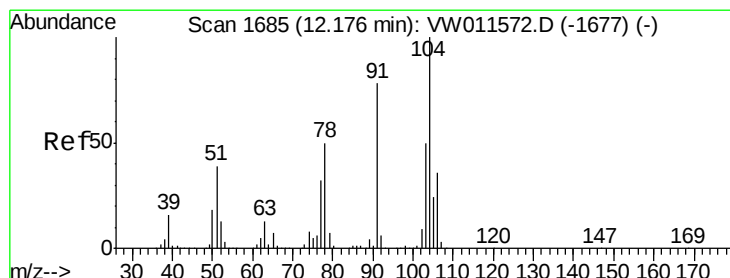
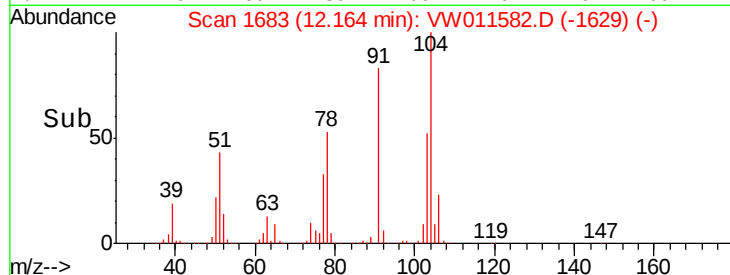
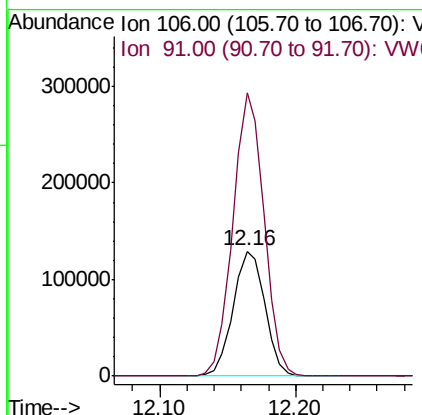
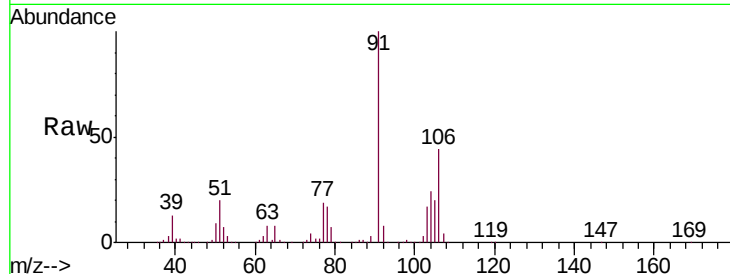




#55
o-xylene
Concen: 26.193 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

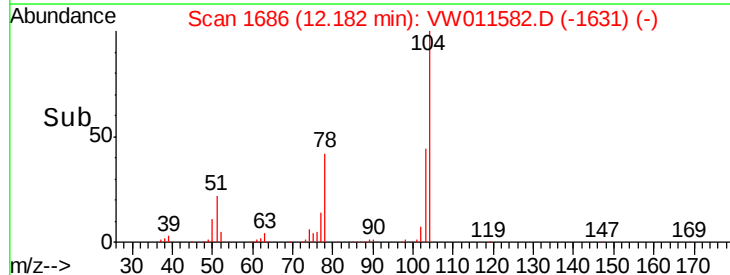
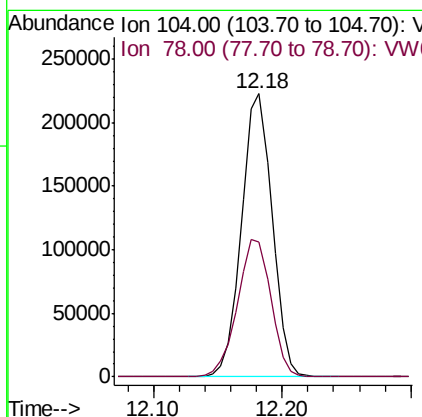
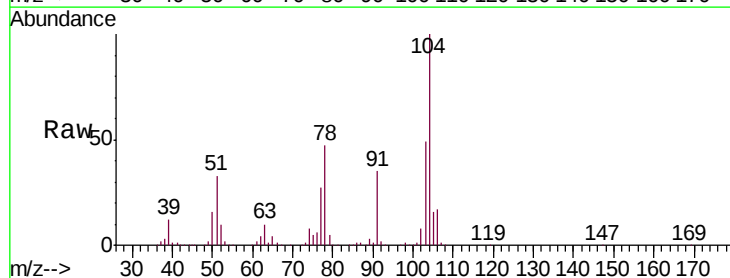
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

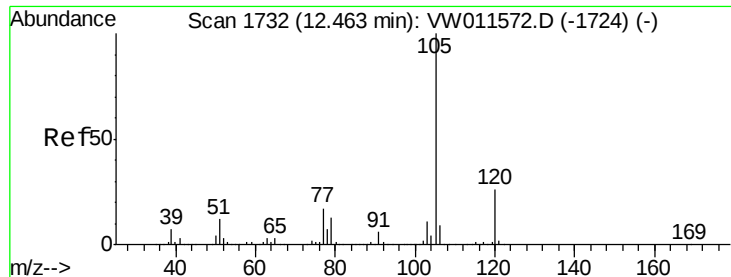
Tgt Ion:106 Resp: 210488
Ion Ratio Lower Upper
106 100
91 225.9 158.3 293.9



#56
Styrene
Concen: 26.771 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW011582.D
Acq: 31 Jul 2019 10:00

Tgt Ion:104 Resp: 365744
Ion Ratio Lower Upper
104 100
78 47.5 32.9 61.1





#57

Isopropylbenzene

Concen: 26.530 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

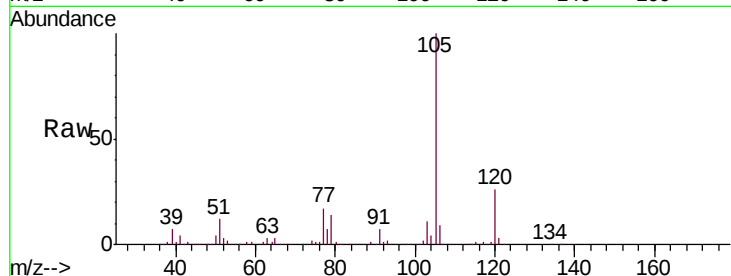
Tgt Ion: 105 Resp: 586518

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

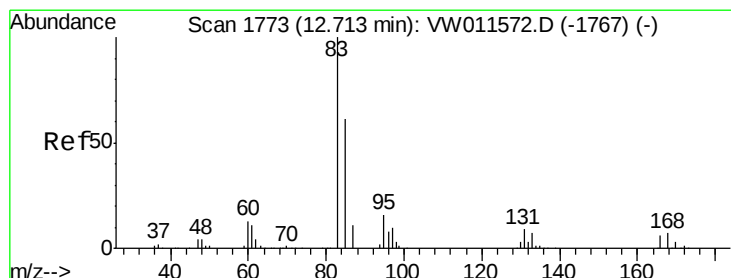
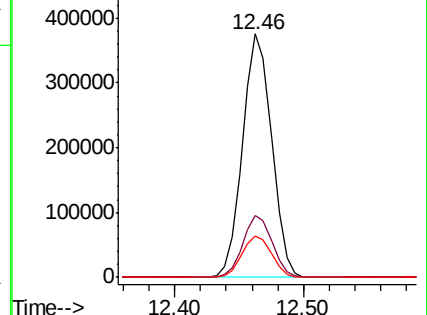
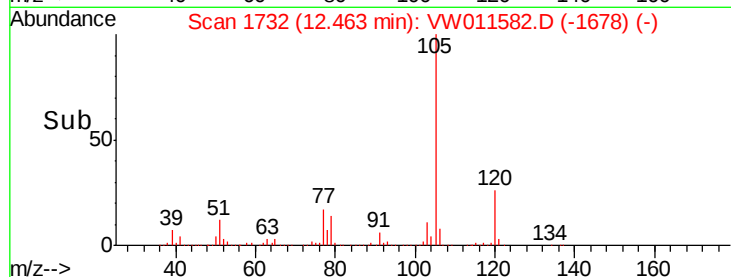
77 17.6 13.4 20.2



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: 26.669 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

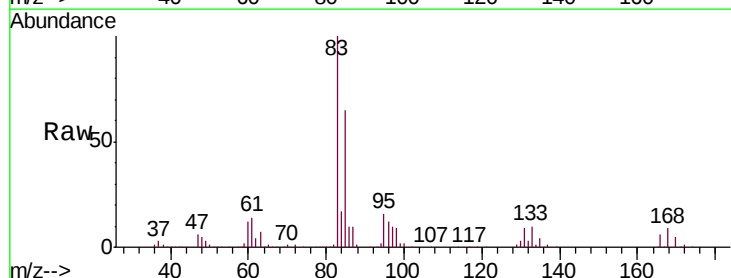
Tgt Ion: 83 Resp: 133675

Ion Ratio Lower Upper

83 100

85 64.7 43.5 80.9

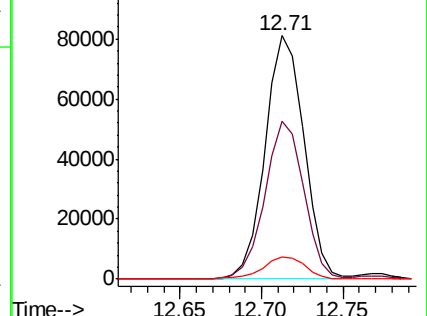
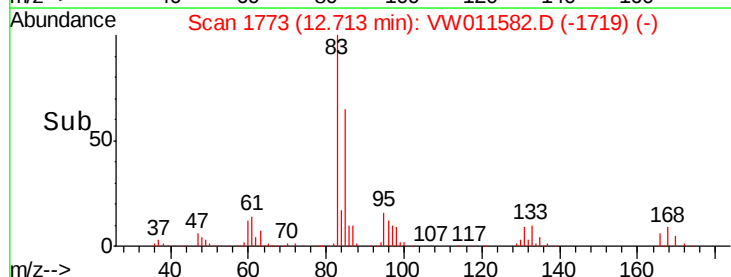
131 9.3 7.5 11.3

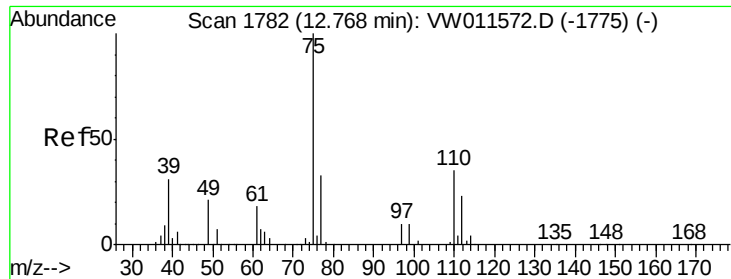


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

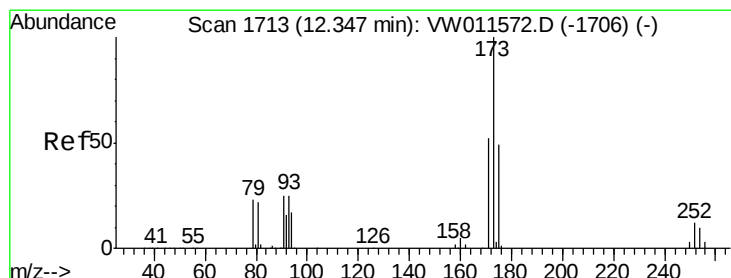
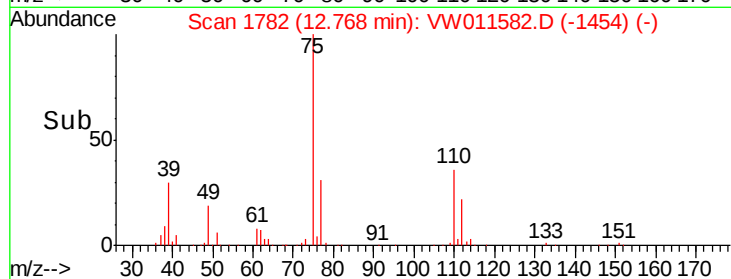
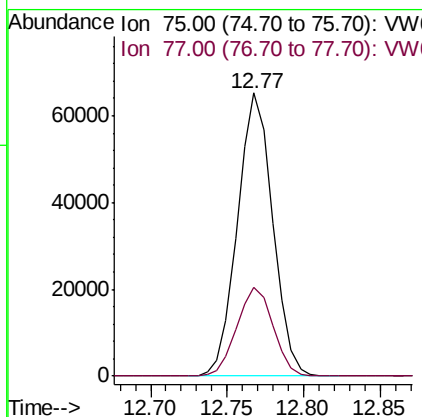
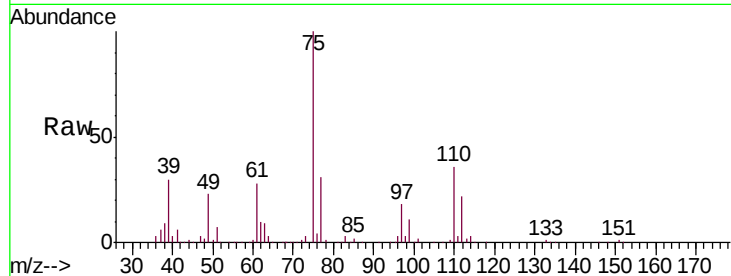




#59
 1,2,3-Trichloropropane
 Concen: 26.995 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

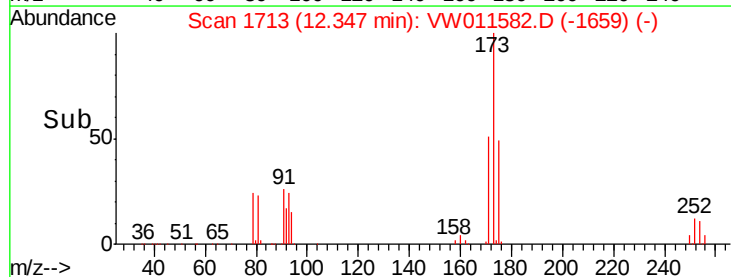
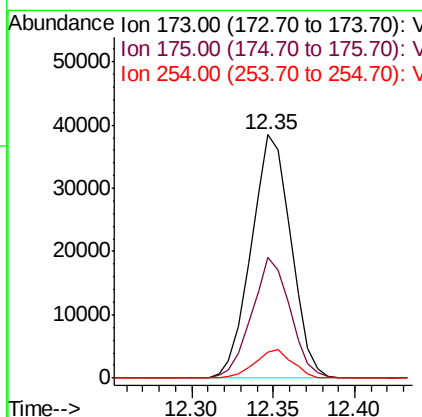
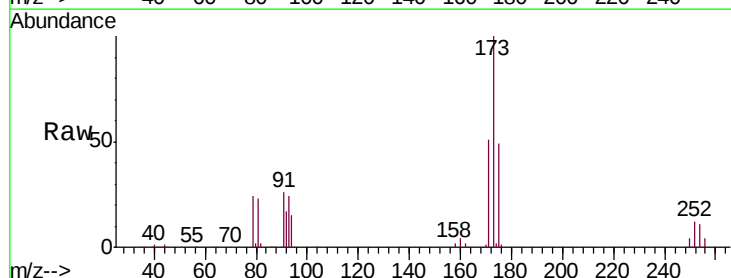
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

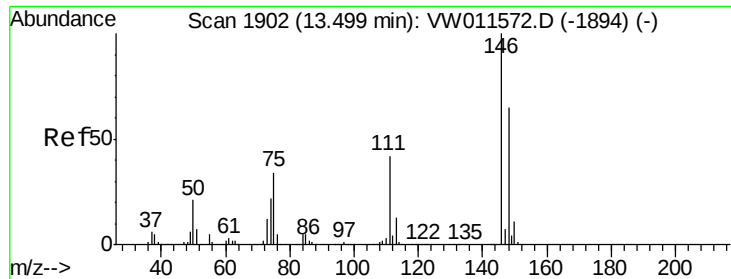
Tgt Ion: 75 Resp: 104363
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.1 37.7



#62
 Bromoform
 Concen: 25.523 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Tgt Ion: 173 Resp: 65414
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.4 59.0
 254 10.8 9.0 13.6

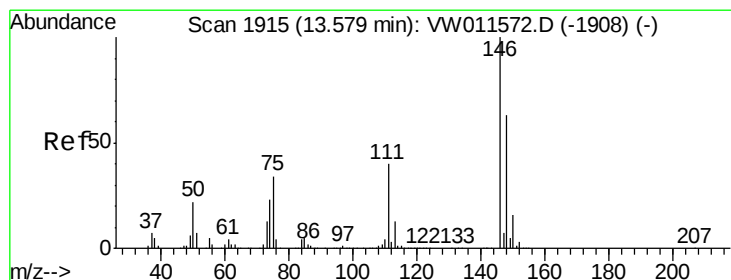
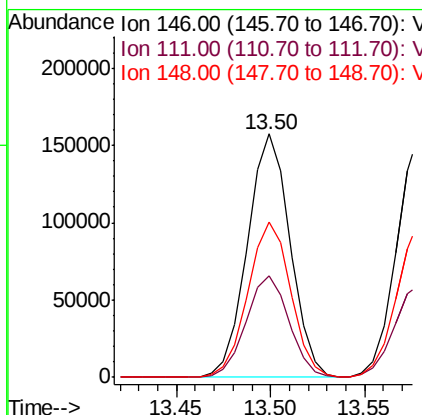
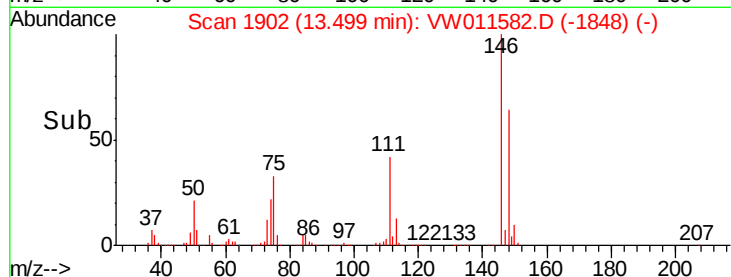
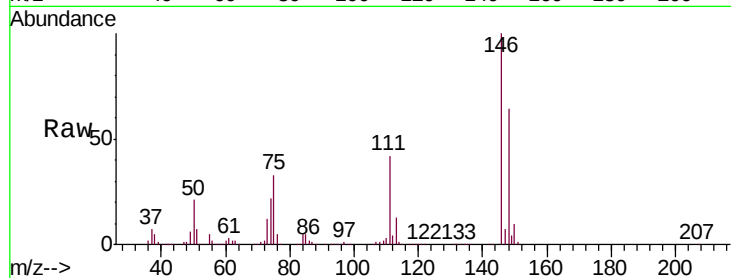




#63
 1,3-Dichlorobenzene
 Concen: 25.450 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

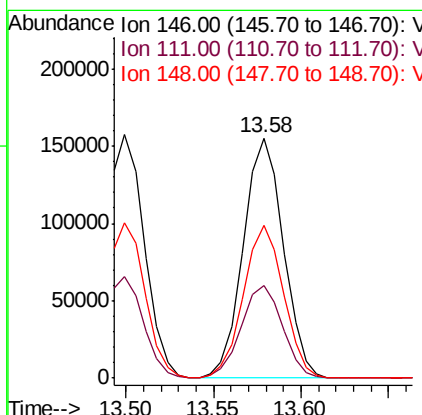
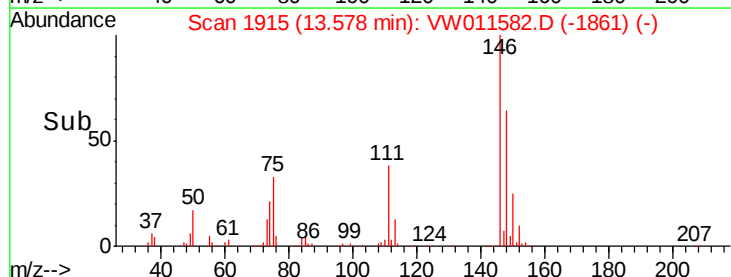
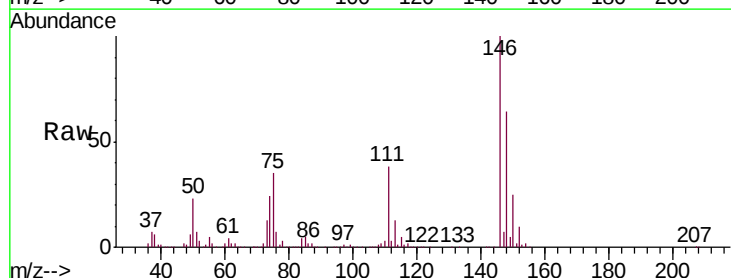
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

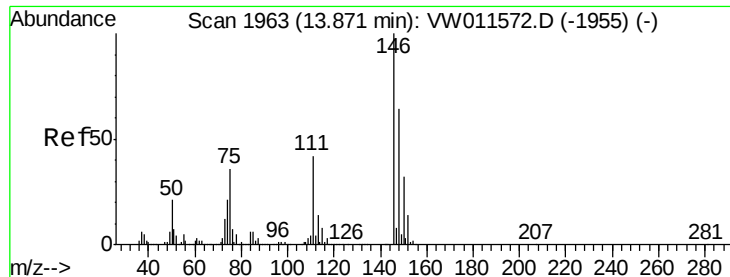
Tgt Ion:146 Resp: 247449
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.6 53.2
 148 63.7 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 25.417 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Tgt Ion:146 Resp: 248167
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.4 51.0
 148 63.6 44.4 82.5

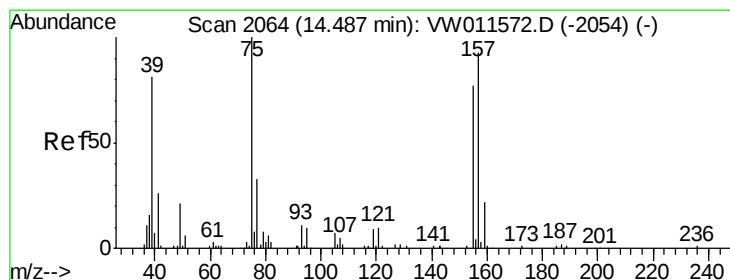
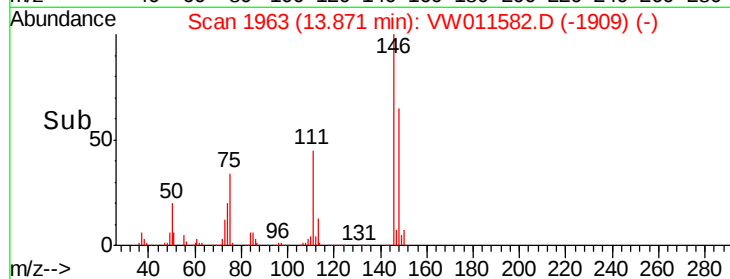
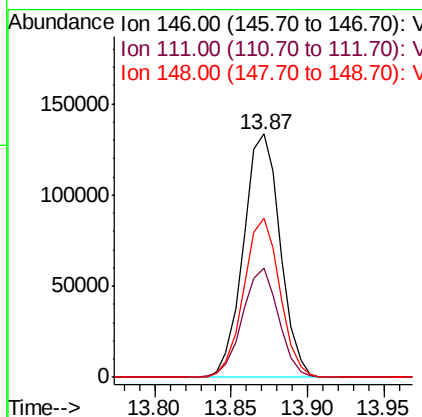
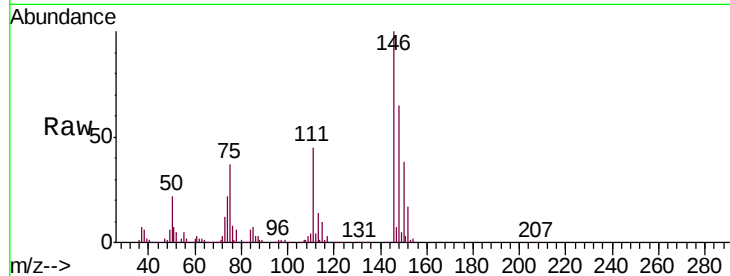




#65
 1,2-Dichlorobenzene
 Concen: 25.288 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

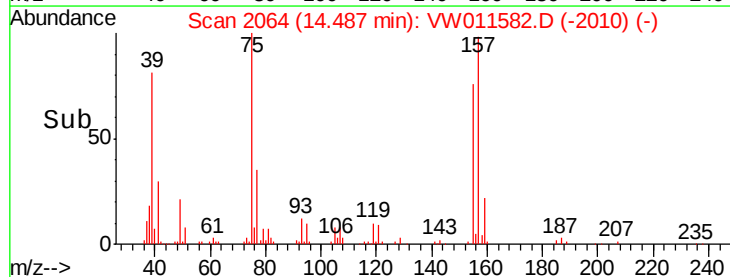
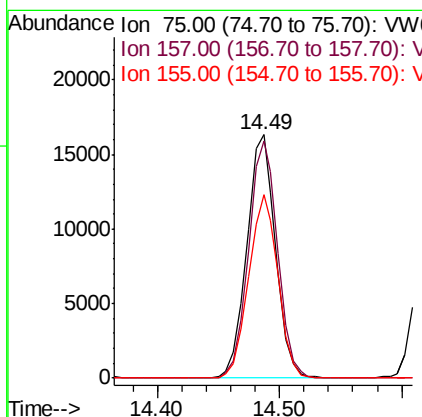
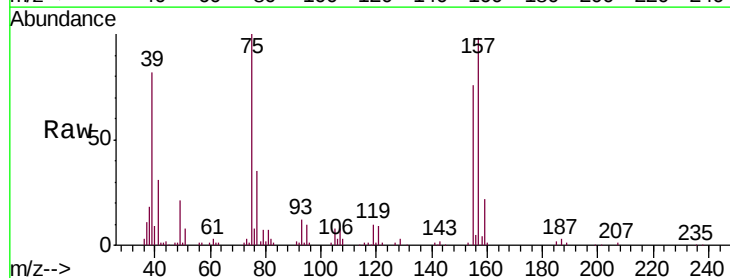
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

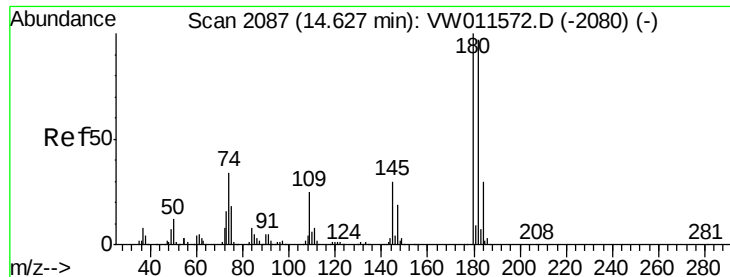
Tgt Ion: 146 Resp: 222640
 Ion Ratio Lower Upper
 146 100
 111 44.9 34.6 51.8
 148 65.1 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.111 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Tgt Ion: 75 Resp: 26527
 Ion Ratio Lower Upper
 75 100
 157 97.6 79.3 118.9
 155 75.6 59.9 89.9

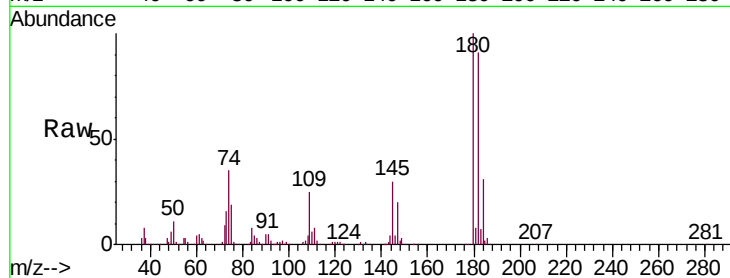




#67
 1,3,5-Trichlorobenzene
 Concen: 26.145 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tgt Ion:	180	Resp:	187103
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.9	113.9
184	30.8	24.2	36.2
145	29.0	23.0	34.6



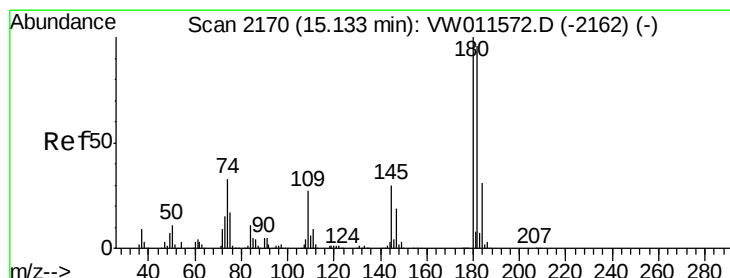
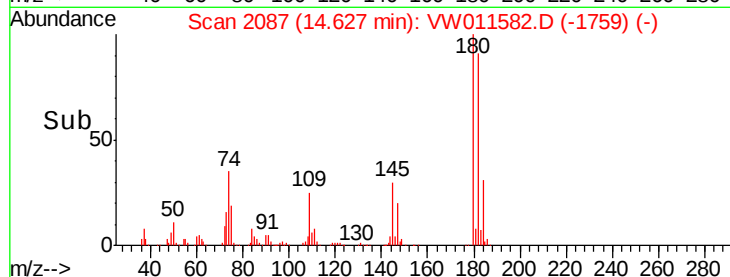
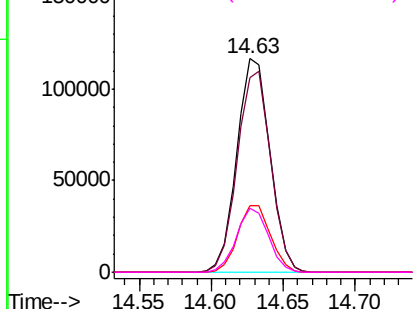
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

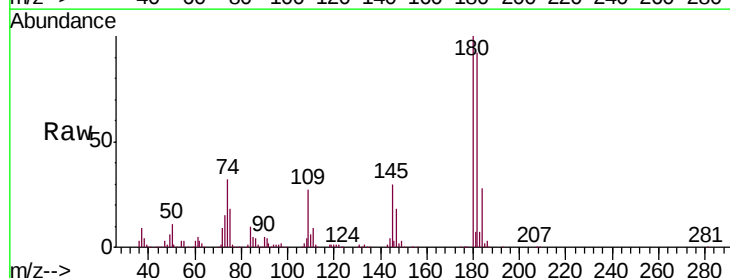
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.438 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011582.D
 Acq: 31 Jul 2019 10:00

Tgt Ion:	180	Resp:	152371
Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.3	115.9
145	30.3	24.3	36.5

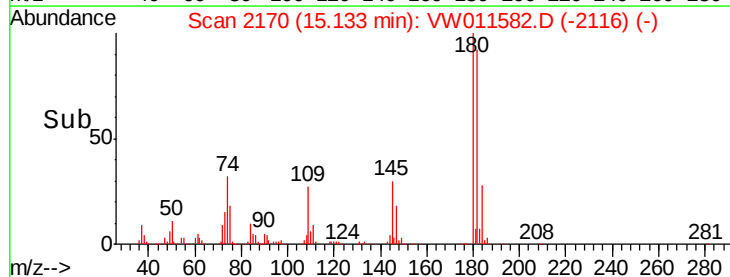
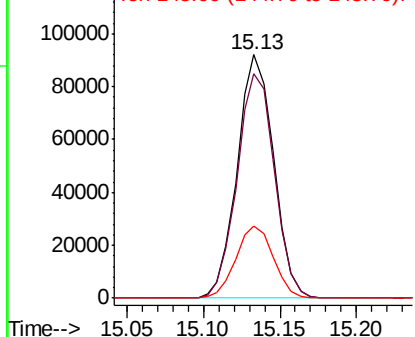


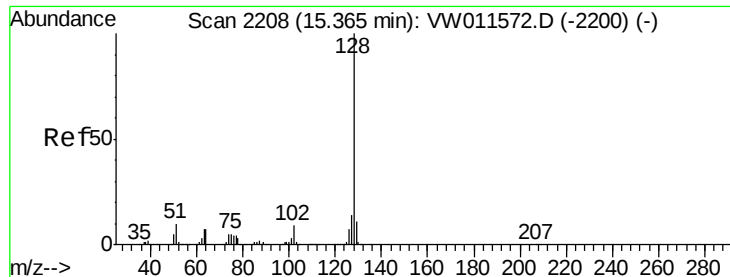
Abundance

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: 27.752 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

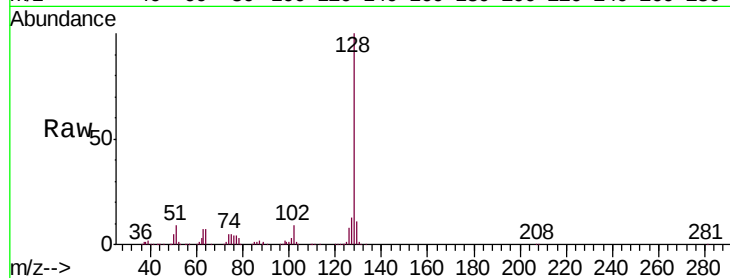
Tgt Ion:128 Resp: 322102

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

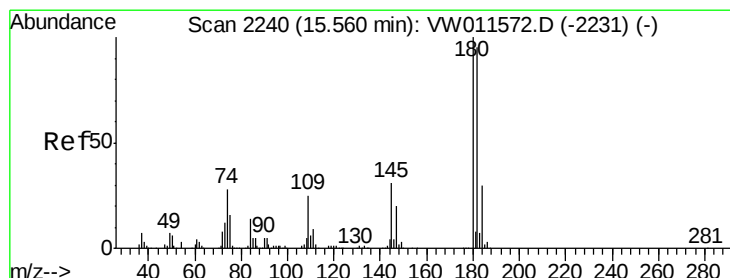
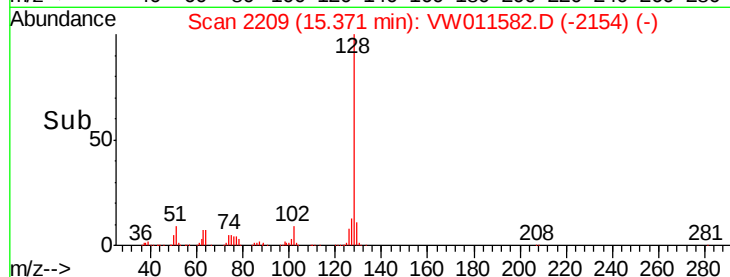
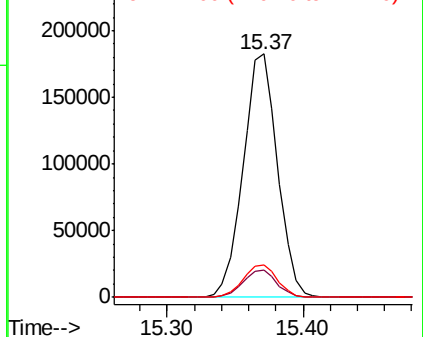
127 13.4 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.639 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011582.D

Acq: 31 Jul 2019 10:00

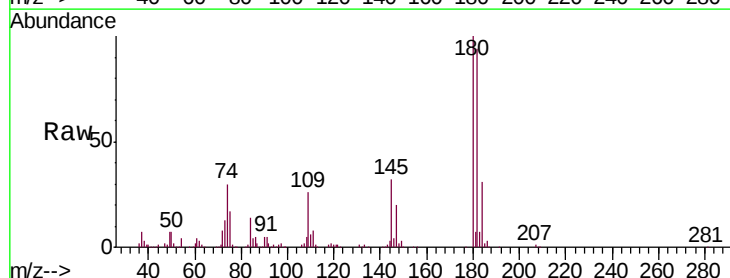
Tgt Ion:180 Resp: 136859

Ion Ratio Lower Upper

180 100

182 95.8 74.9 112.3

145 32.5 25.6 38.4



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

