

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013713.D
 Acq On : 24 Oct 2019 16:17
 Operator : SY/VA
 Sample : VW1024SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 07:58:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	341487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209329	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	125758	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
35) Dibromofluoromethane	7.88	113	131274	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	10.32	98	541626	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.62	95	180649	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	35790	19.894	ug/l	94
3) Chloromethane	2.21	50	41543	21.486	ug/l	94
4) Vinyl Chloride	2.36	62	62796	21.506	ug/l	97
5) Bromomethane	2.78	94	40060	20.861	ug/l	94
6) Chloroethane	2.92	64	36864	20.865	ug/l	94
7) Trichlorofluoromethane	3.26	101	38441	21.077	ug/l	96
8) Diethyl Ether	3.68	74	30000	20.360	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	61878	20.870	ug/l	98
10) Methyl Iodide	4.28	142	98538	20.395	ug/l	99
11) Tert butyl alcohol	5.19	59	15746	102.963	ug/l #	81
12) 1,1-Dichloroethene	4.04	96	63021	20.577	ug/l	93
13) Acrolein	3.90	56	14458	82.521	ug/l	99
14) Allyl chloride	4.67	41	94551	20.078	ug/l	98
15) Acrylonitrile	5.37	53	59374	99.097	ug/l	99
16) Acetone	4.13	43	48009	88.388	ug/l	98
17) Carbon Disulfide	4.38	76	181100	20.590	ug/l	99
18) Methyl Acetate	4.67	43	32708	21.967	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	75515	20.547	ug/l	100
20) Methylene Chloride	4.92	84	74028	22.124	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	67610	20.511	ug/l	95
22) Diisopropyl ether	6.31	45	173916	20.246	ug/l	97
23) Vinyl Acetate	6.26	43	497669	99.846	ug/l	99
24) 1,1-Dichloroethane	6.21	63	111965	20.580	ug/l	99
25) 2-Butanone	7.17	43	74872	95.879	ug/l	95
26) 2,2-Dichloropropane	7.16	77	66536	21.150	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	71307	20.367	ug/l	97
28) Bromochloromethane	7.51	49	28691	15.746	ug/l #	98
29) Tetrahydrofuran	7.53	42	47770	98.809	ug/l	100
30) Chloroform	7.67	83	107379	19.966	ug/l	93
31) Cyclohexane	7.95	56	110660	19.436	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	89469	21.199	ug/l	99
36) 1,1-Dichloropropene	8.08	75	93246	20.872	ug/l	99
37) Ethyl Acetate	7.26	43	34085	19.931	ug/l	98
38) Carbon Tetrachloride	8.07	117	84901	21.104	ug/l	97

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 Sample : VW1024SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 07:58:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117675	20.397	ug/l	96
40) Benzene	8.32	78	262339	20.750	ug/l	100
41) Methacrylonitrile	7.48	41	21793	20.435	ug/l	94
42) 1,2-Dichloroethane	8.40	62	67390	21.152	ug/l	99
43) Isopropyl Acetate	8.42	43	64730	19.774	ug/l	99
44) Trichloroethene	9.09	130	75734	20.912	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61739	20.444	ug/l	97
46) Dibromomethane	9.46	93	29827	20.350	ug/l	99
47) Bromodichloromethane	9.64	83	77268	20.374	ug/l	99
48) Methyl methacrylate	9.43	41	33032	20.348	ug/l	98
49) 1,4-Dioxane	9.46	88	8250	380.903	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	162957	100.179	ug/l	99
52) Toluene	10.38	92	168346	20.642	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74754	19.471	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	94606	19.973	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	44736	20.479	ug/l	97
56) Ethyl methacrylate	10.65	69	54942	20.103	ug/l	100
57) 1,3-Dichloropropane	10.93	76	76799	20.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	122400	97.311	ug/l	98
59) 2-Hexanone	10.97	43	109672	97.799	ug/l	100
60) Dibromochloromethane	11.13	129	52330	20.177	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42821	20.720	ug/l	97
64) Tetrachloroethene	10.86	164	65408	21.083	ug/l	97
65) Chlorobenzene	11.66	112	170337	20.414	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	59932	20.581	ug/l	98
67) Ethyl Benzene	11.73	91	311454	20.700	ug/l	100
68) m/p-Xylenes	11.84	106	242156	41.658	ug/l	99
69) o-Xylene	12.16	106	108593	20.324	ug/l	98
70) Styrene	12.18	104	184555	20.103	ug/l	97
71) Bromoform	12.35	173	30721	20.103	ug/l #	98
73) Isopropylbenzene	12.46	105	308750	20.539	ug/l	100
74) N-amyl acetate	12.27	43	57616	19.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48186	20.313	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	60568	40.291	ug/l #	100
77) Bromobenzene	12.74	156	72046	20.062	ug/l	97
78) n-propylbenzene	12.80	91	361080	20.752	ug/l	100
79) 2-Chlorotoluene	12.89	91	202014	20.660	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	261704	20.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15343	19.289	ug/l	97
82) 4-Chlorotoluene	12.99	91	211855	20.638	ug/l	99
83) tert-Butylbenzene	13.21	119	231784	20.577	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	260640	20.821	ug/l	99
85) sec-Butylbenzene	13.38	105	318292	20.664	ug/l	100
86) p-Isopropyltoluene	13.50	119	293731	20.471	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	143057	20.561	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	139623	20.199	ug/l	99
89) n-Butylbenzene	13.82	91	265480	20.498	ug/l	100
90) Hexachloroethane	14.09	117	49847	19.987	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	123471	20.466	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6547	18.251	ug/l	93

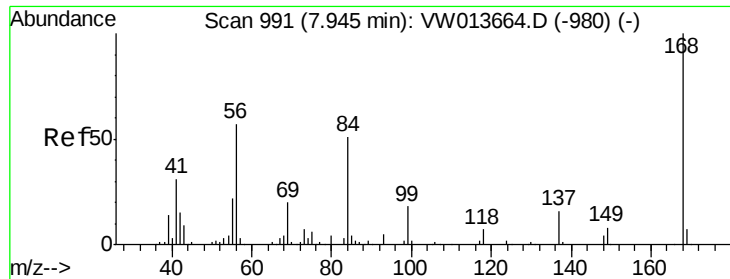
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
Data File : VW013713.D
Acq On : 24 Oct 2019 16:17
Operator : SY/VA
Sample : VW1024SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :

Quant Time: Oct 25 07:58:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	84637	19.277	ug/l	99
94) Hexachlorobutadiene	15.24	225	58444	19.718	ug/l	100
95) Naphthalene	15.36	128	126945	18.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	71500	18.899	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

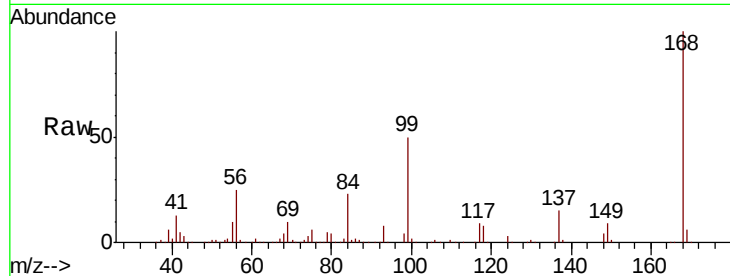
ClientSampleId :

Tot Ion:168 Resp: 341487

Ion Ratio Lower Upper

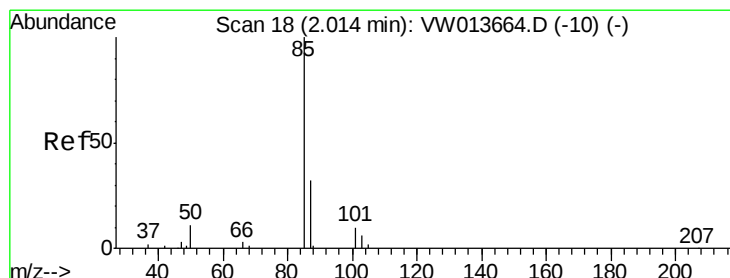
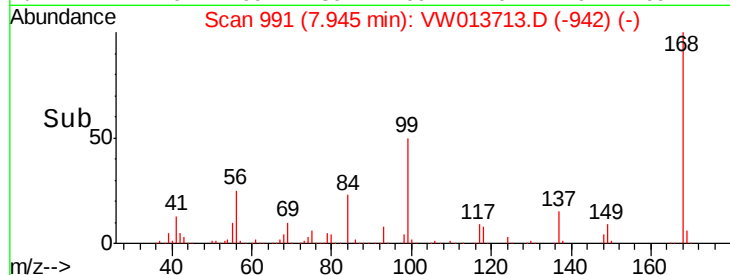
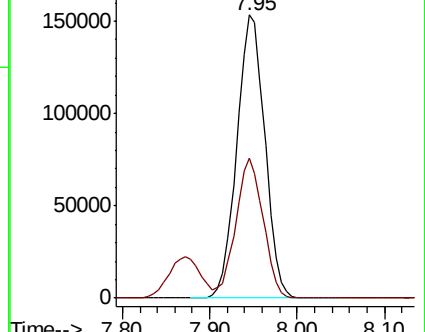
168 100

99 49.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.894 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013713.D

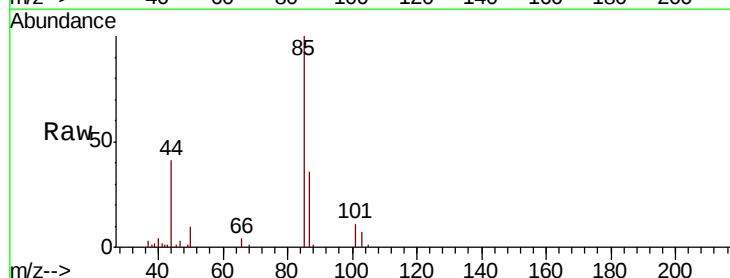
Acq: 24 Oct 2019 16:17

Tgt Ion: 85 Resp: 35790

Ion Ratio Lower Upper

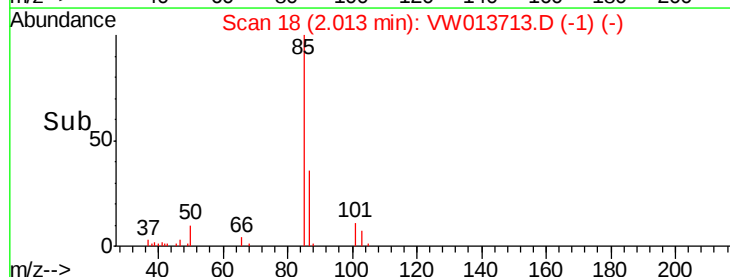
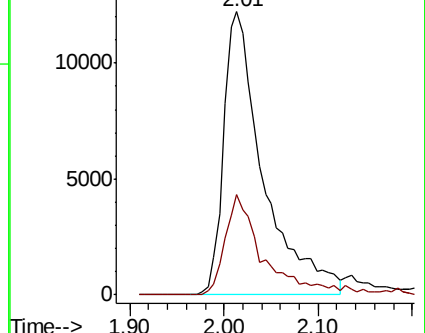
85 100

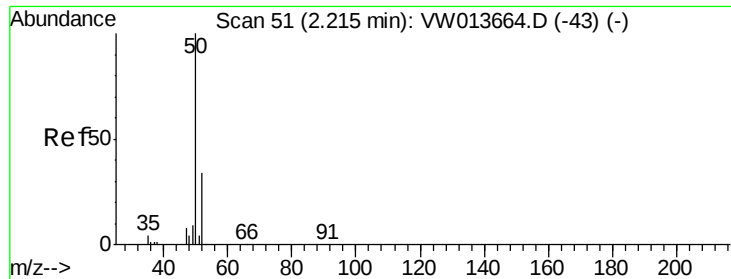
87 35.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.486 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

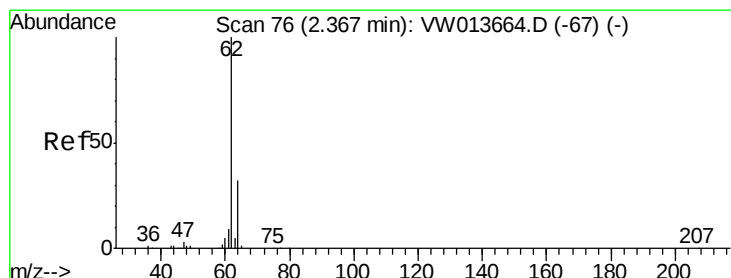
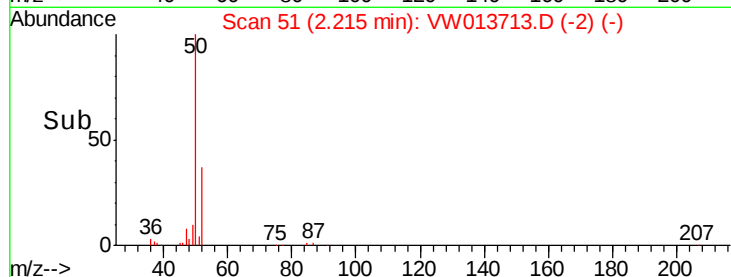
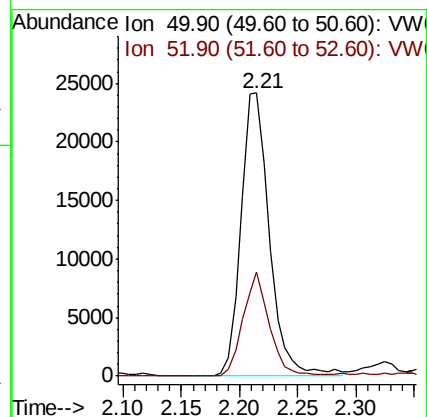
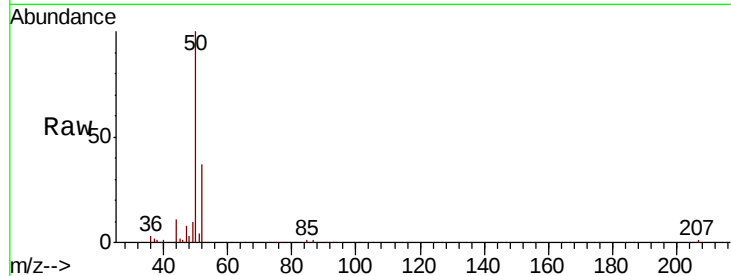
ClientSampled :

Tot Ion: 50 Resp: 41543

Ion Ratio Lower Upper

50 100

52 36.9 26.9 40.3



#4

Vinyl Chloride

Concen: 21.506 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013713.D

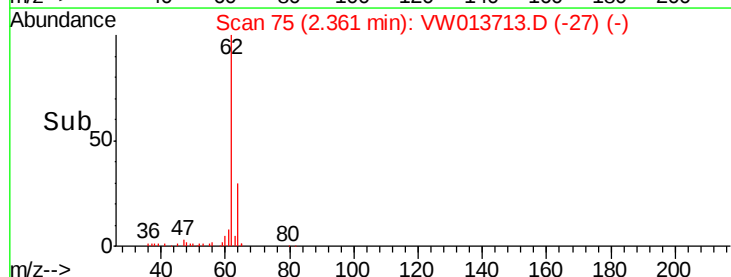
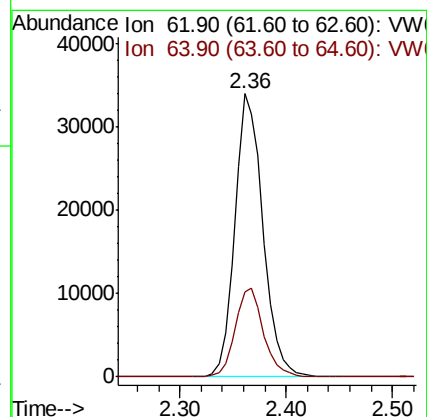
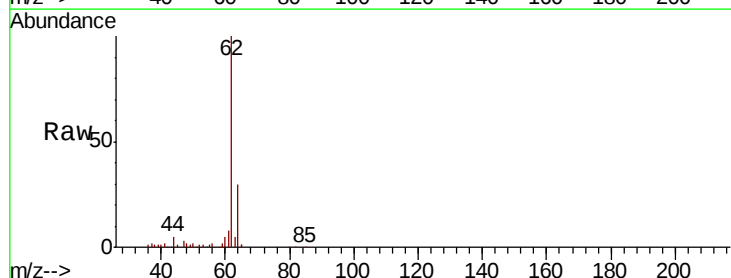
Acq: 24 Oct 2019 16:17

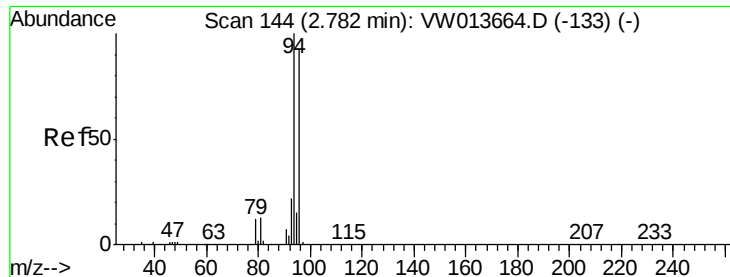
Tgt Ion: 62 Resp: 62796

Ion Ratio Lower Upper

62 100

64 30.1 25.5 38.3





#5

Bromomethane

Concen: 20.861 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

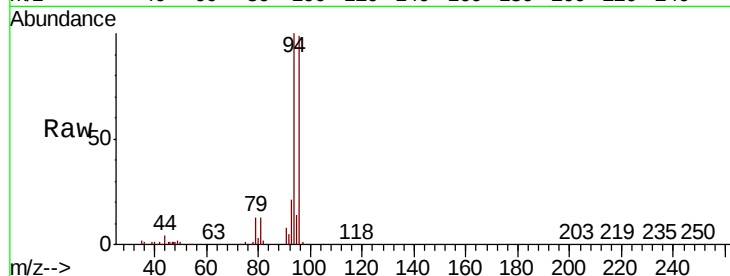
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 40060

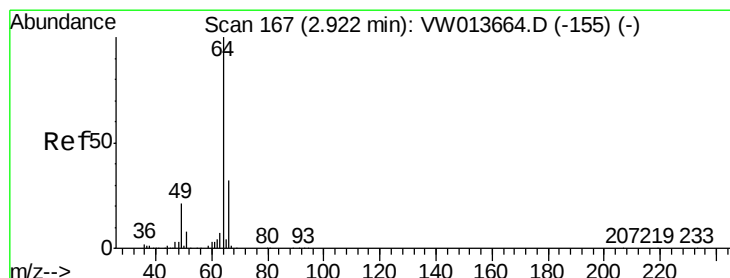
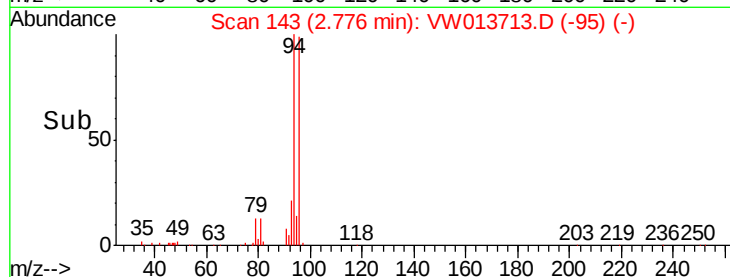
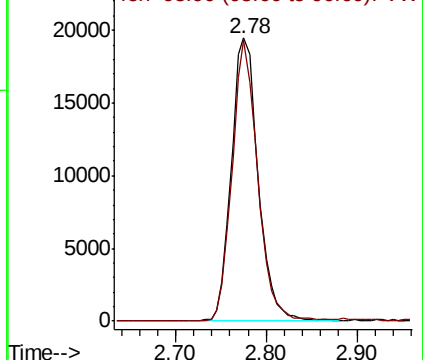
Ion Ratio Lower Upper

94 100

96 99.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VW
Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.865 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013713.D

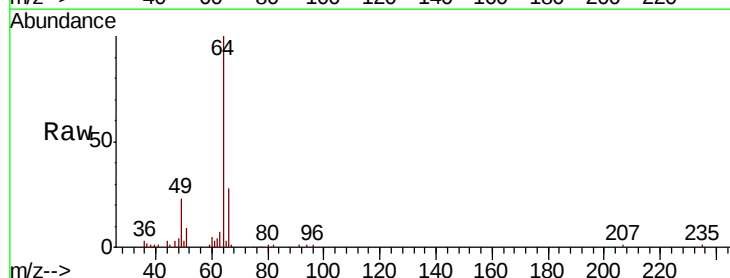
Acq: 24 Oct 2019 16:17

Tgt Ion: 64 Resp: 36864

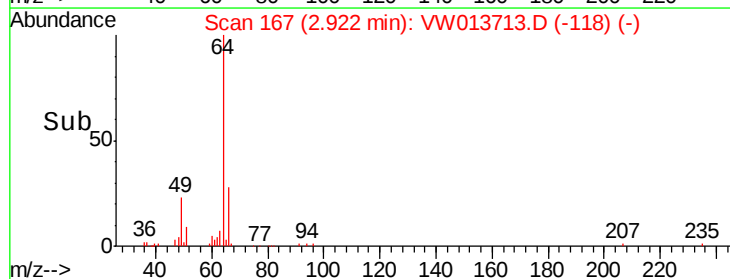
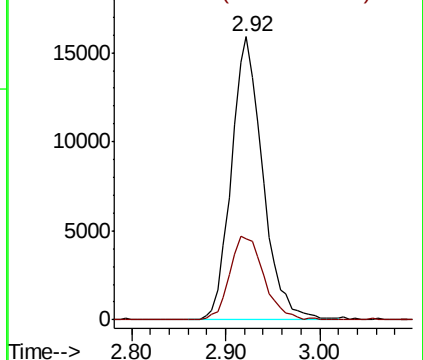
Ion Ratio Lower Upper

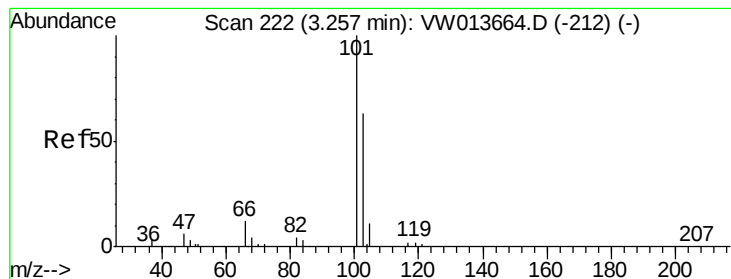
64 100

66 28.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW



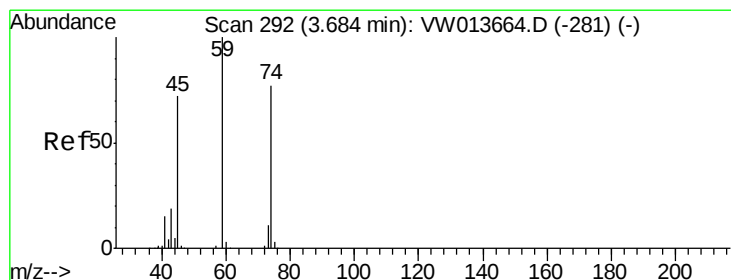
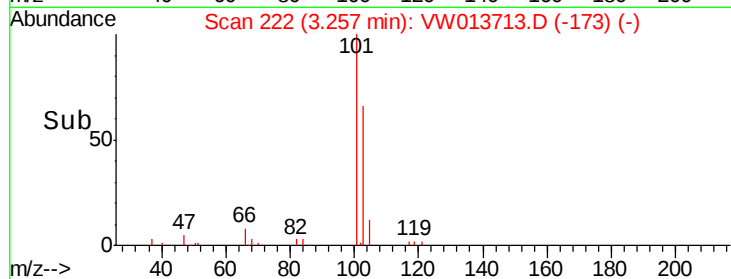
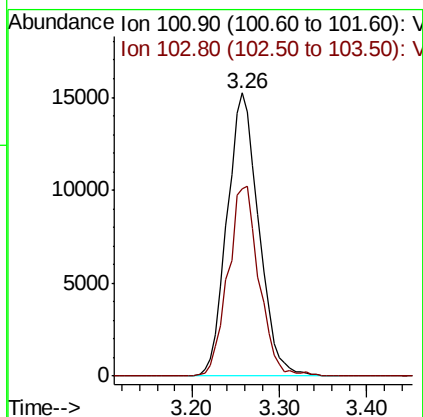
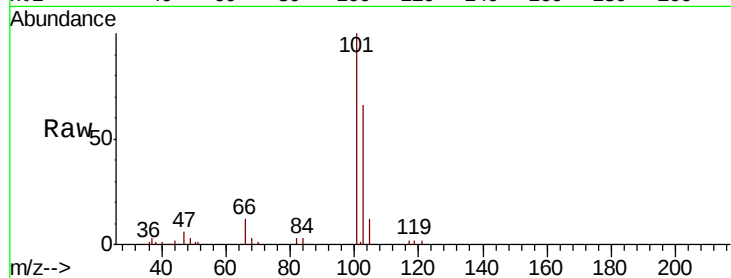


#7

Trichlorofluoromethane
 Concen: 21.077 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :

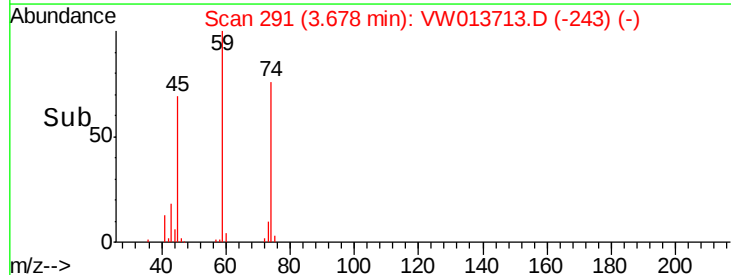
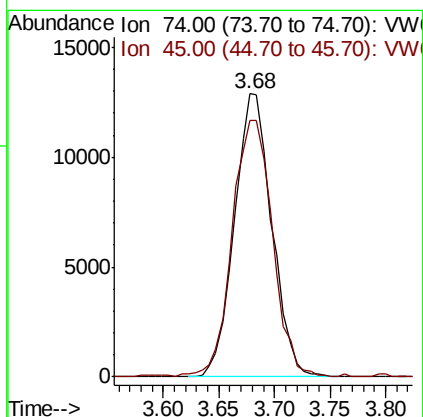
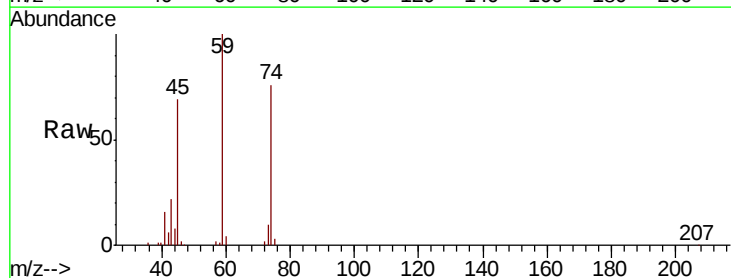
Tot Ion:101 Resp: 38441
 Ion Ratio Lower Upper
 101 100
 103 66.4 50.6 76.0

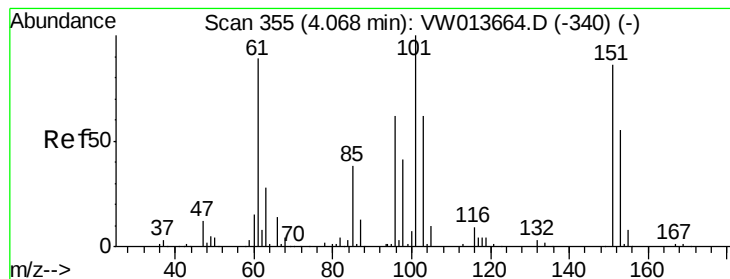


#8

Diethyl Ether
 Concen: 20.360 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion: 74 Resp: 30000
 Ion Ratio Lower Upper
 74 100
 45 97.9 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.870 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

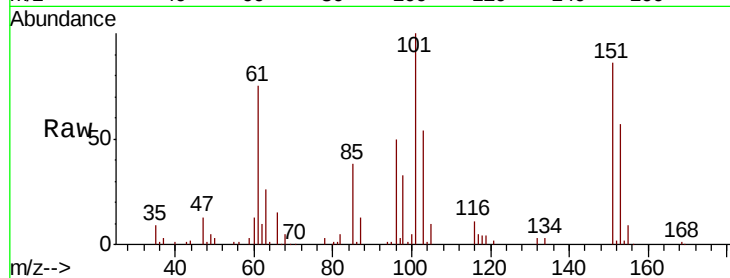
Tot Ion:101 Resp: 61878

Ion Ratio Lower Upper

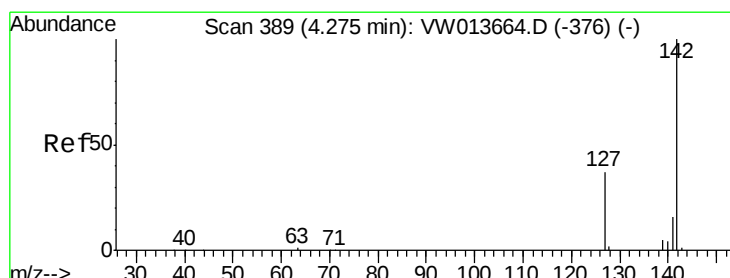
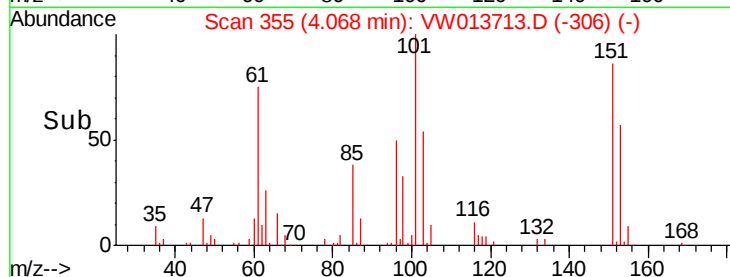
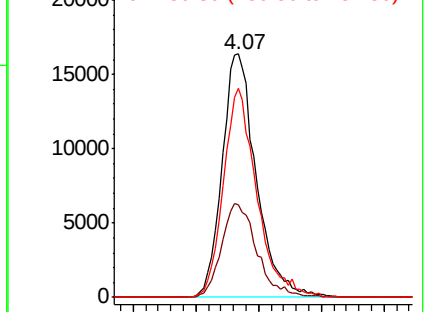
101 100

85 39.6 31.0 46.6

151 83.7 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.395 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

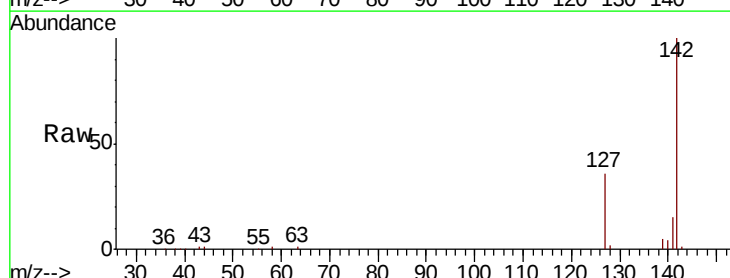
Tgt Ion:142 Resp: 98538

Ion Ratio Lower Upper

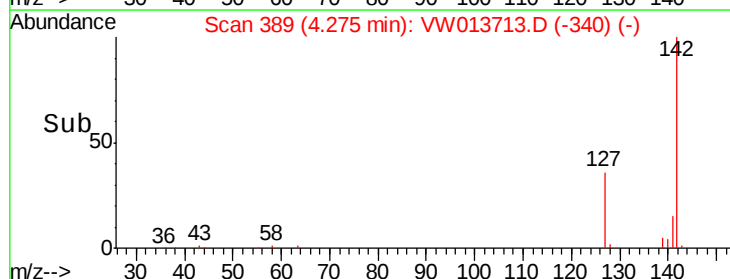
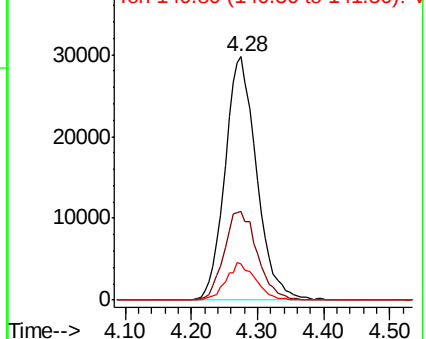
142 100

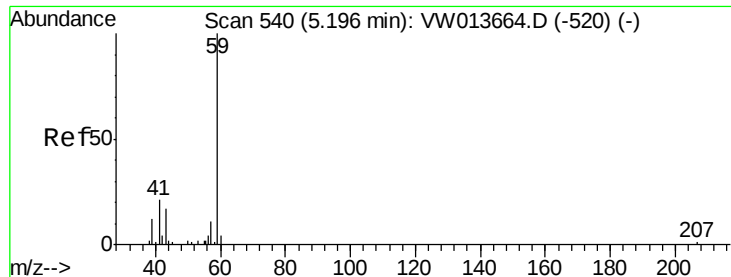
127 38.2 30.3 45.5

141 14.2 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



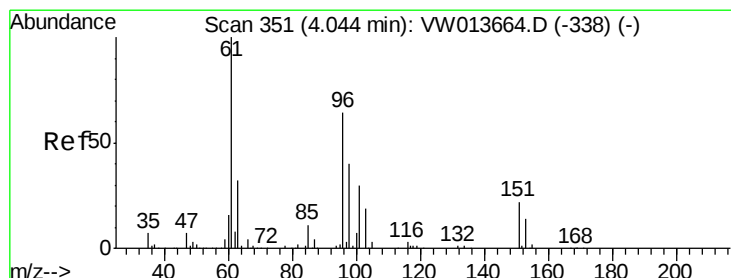
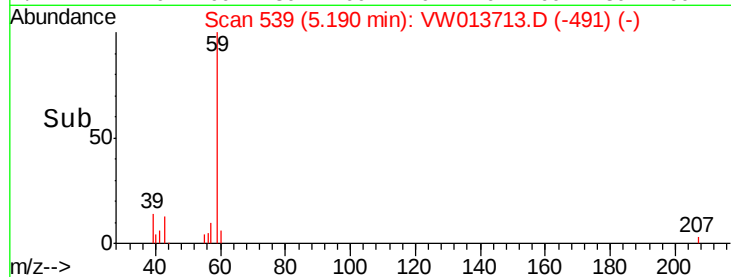
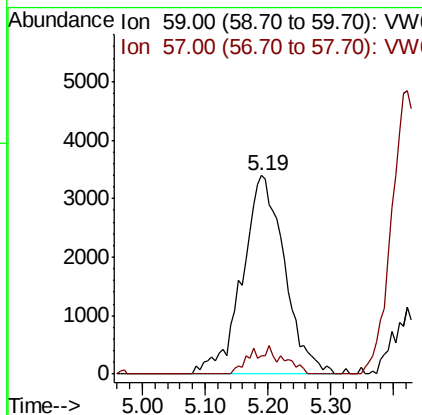
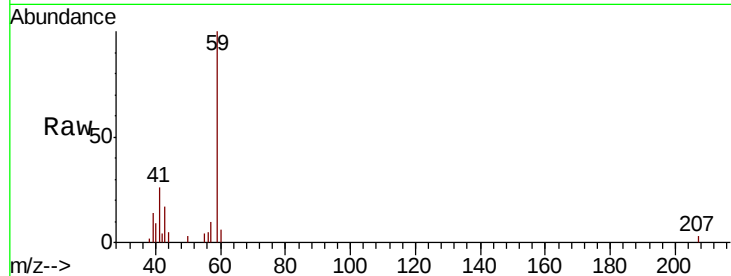


#11

Tert butyl alcohol
Concen: 102.963 ug/l
RT: 5.19 min Scan# 539
Delta R.T. -0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampled :

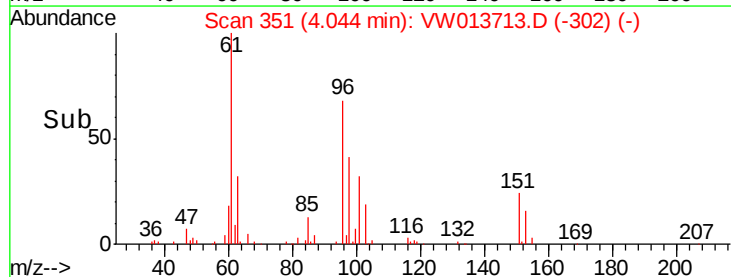
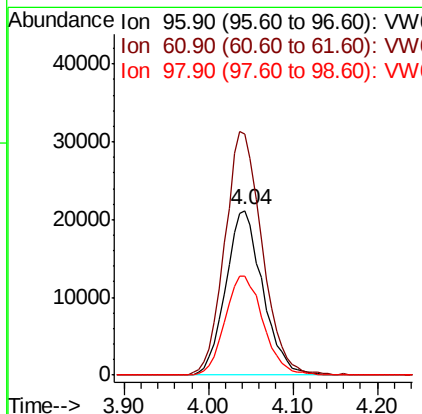
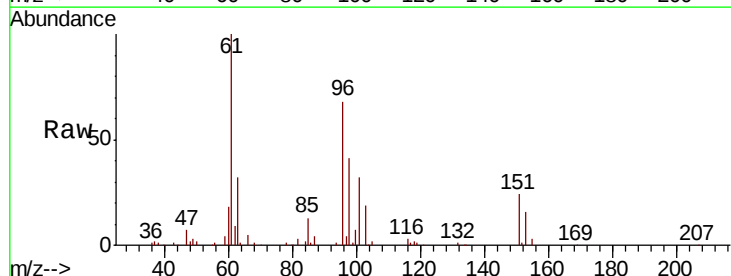
Tot Ion: 59 Resp: 15746
Ion Ratio Lower Upper
59 100
57 3.9 8.8 13.2#

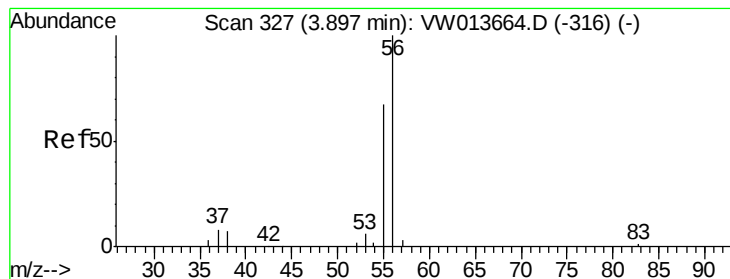


#12

1,1-Dichloroethene
Concen: 20.577 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion: 96 Resp: 63021
Ion Ratio Lower Upper
96 100
61 146.2 125.0 187.6
98 59.7 50.3 75.5





#13

Acrolein

Concen: 82.521 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

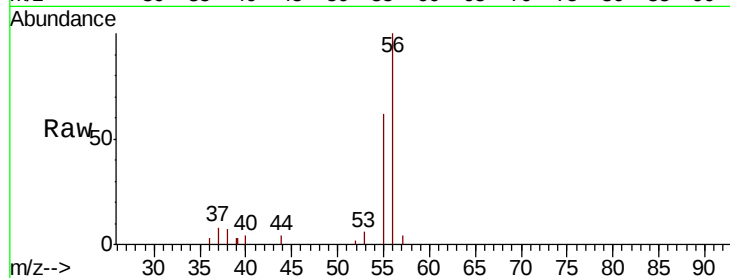
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 14458

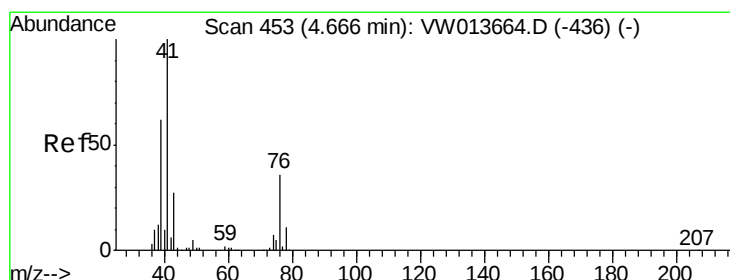
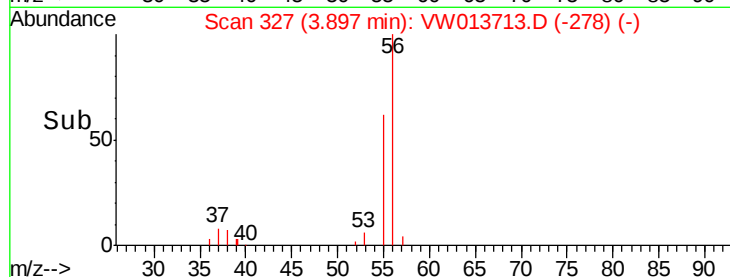
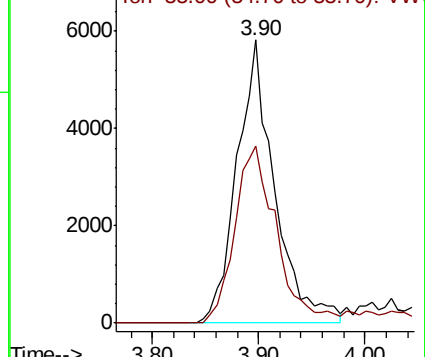
Ion Ratio Lower Upper

56 100

55 68.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.078 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

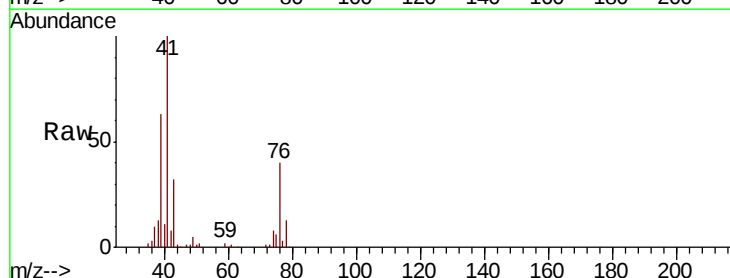
Tgt Ion: 41 Resp: 94551

Ion Ratio Lower Upper

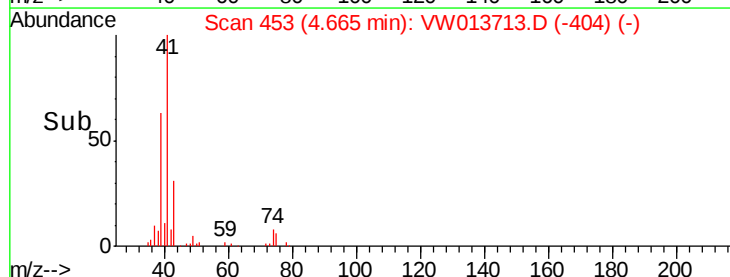
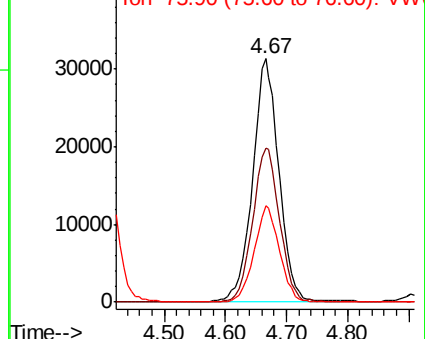
41 100

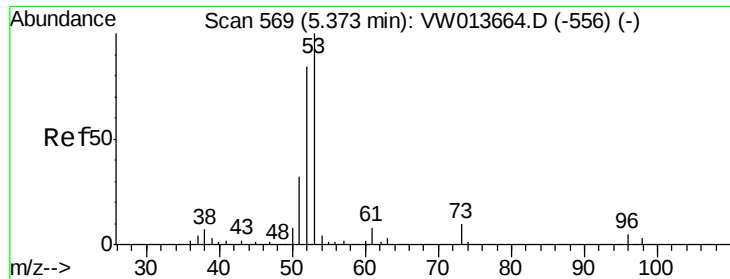
39 64.5 50.0 75.0

76 37.7 29.6 44.4



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.097 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

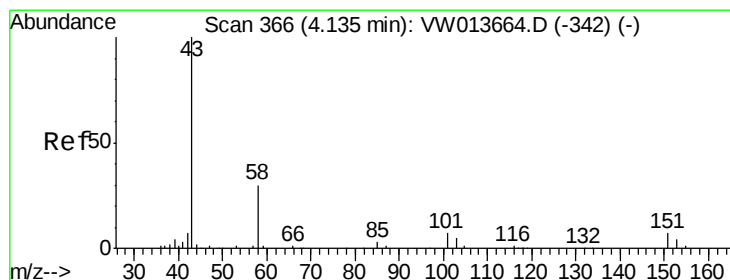
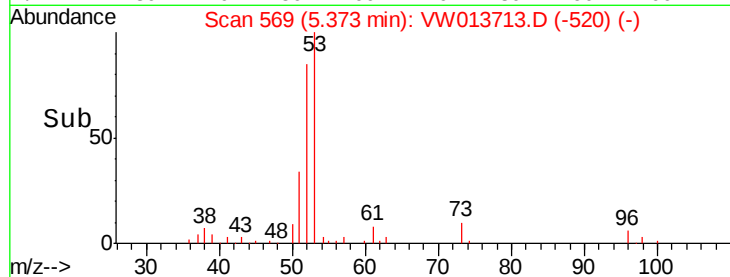
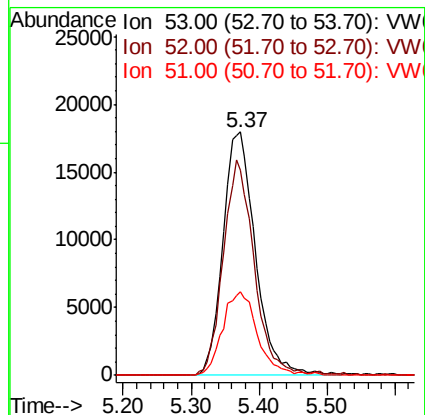
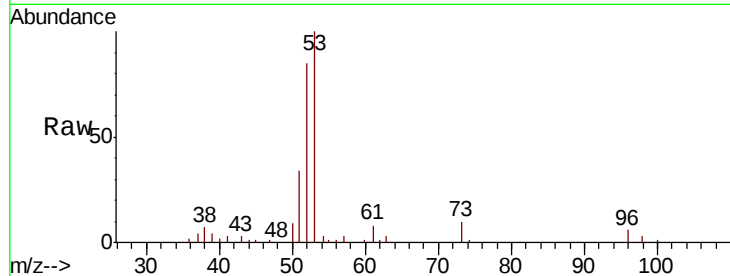
Tot Ion: 53 Resp: 59374

Ion Ratio Lower Upper

53 100

52 83.6 67.4 101.0

51 36.9 29.1 43.7



#16

Acetone

Concen: 88.388 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW013713.D

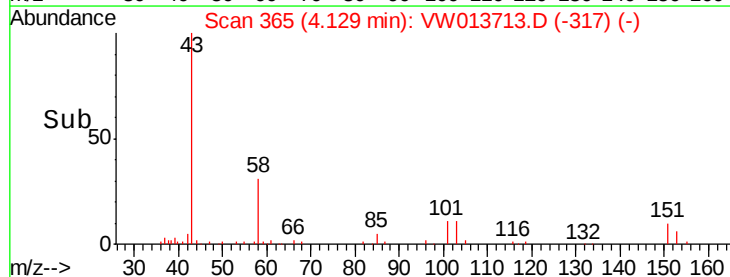
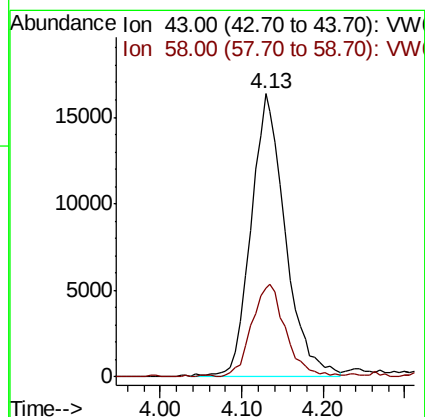
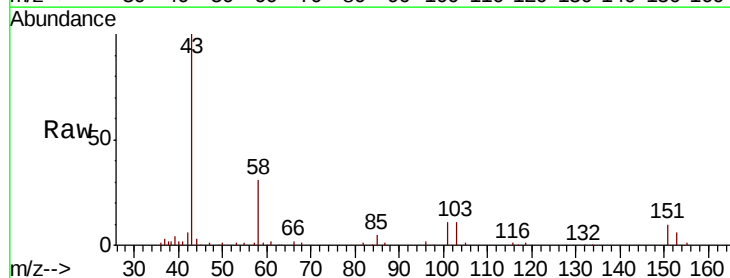
Acq: 24 Oct 2019 16:17

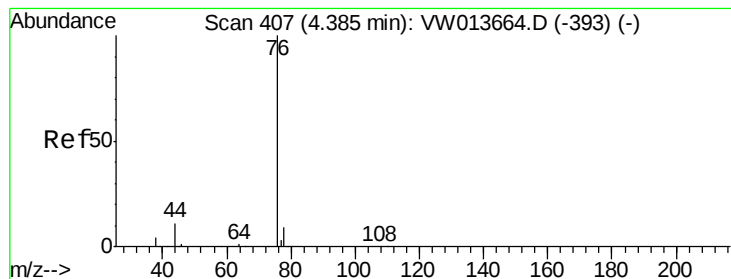
Tgt Ion: 43 Resp: 48009

Ion Ratio Lower Upper

43 100

58 31.2 24.1 36.1





#17

Carbon Disulfide

Concen: 20.590 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

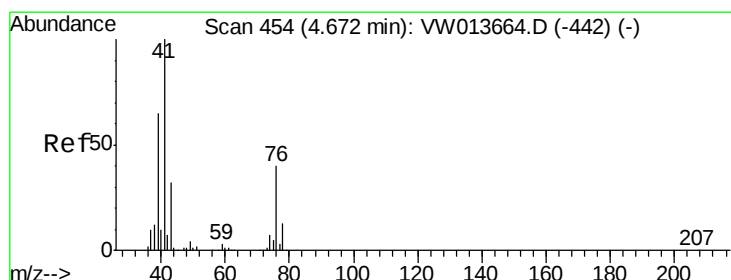
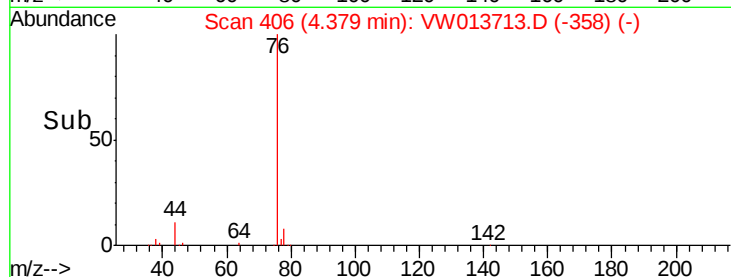
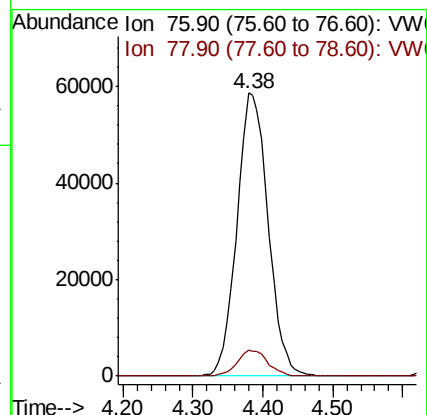
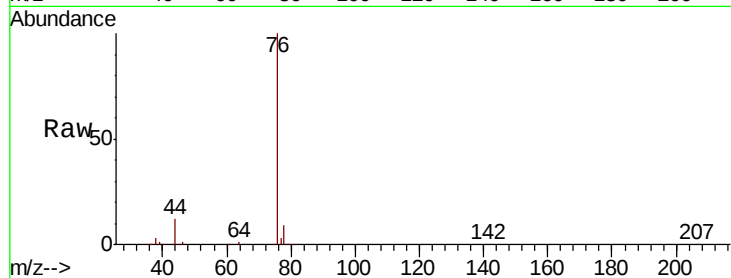
ClientSampleId :

Tot Ion: 76 Resp: 181100

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



#18

Methyl Acetate

Concen: 21.967 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013713.D

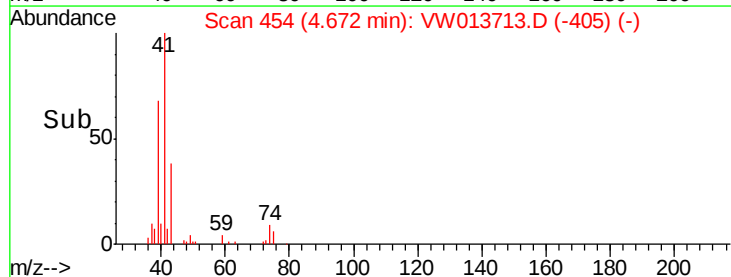
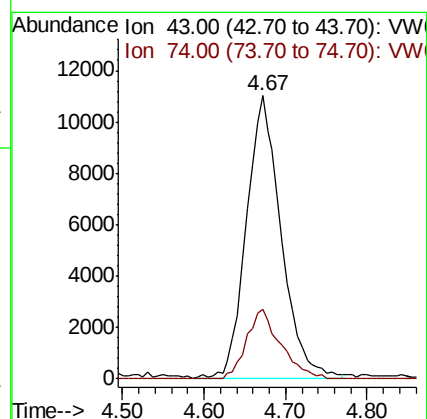
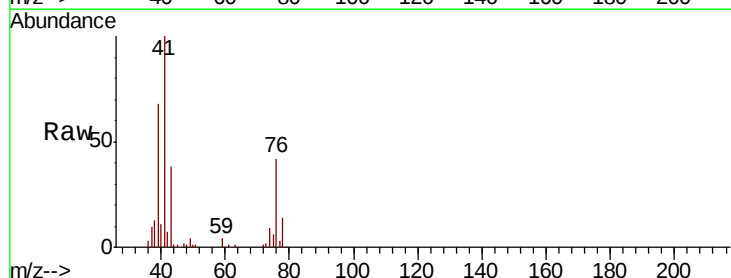
Acq: 24 Oct 2019 16:17

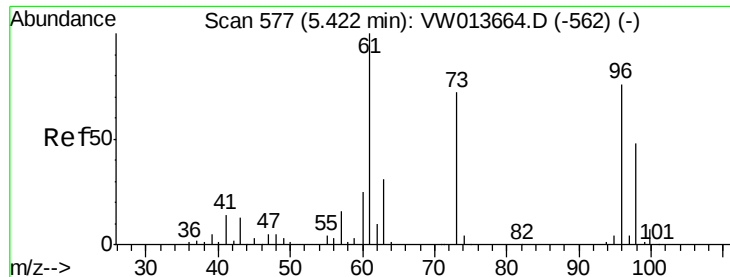
Tgt Ion: 43 Resp: 32708

Ion Ratio Lower Upper

43 100

74 23.8 19.8 29.8

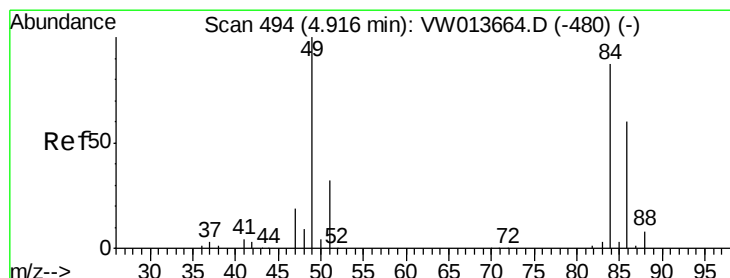
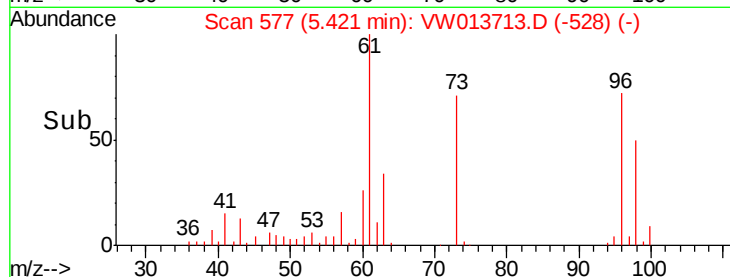
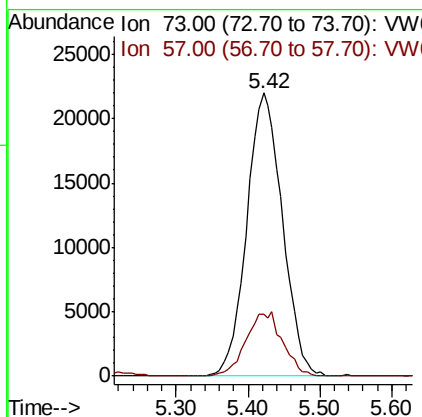
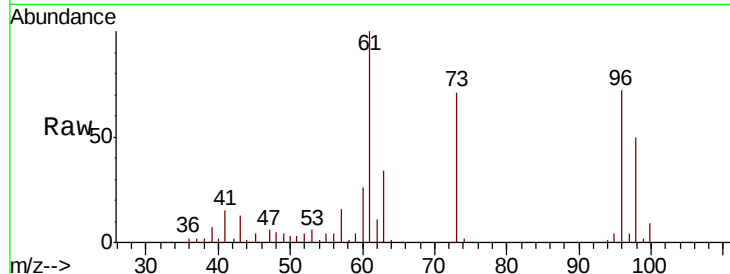




#19
Methyl tert-butyl Ether
Concen: 20.547 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

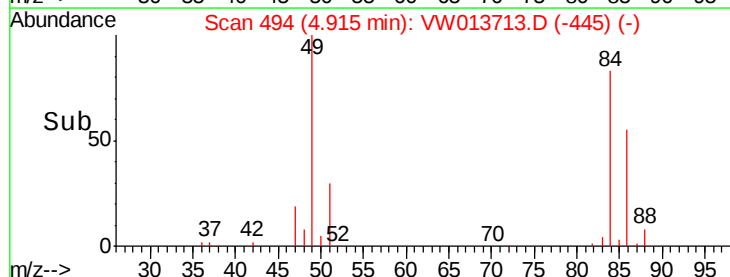
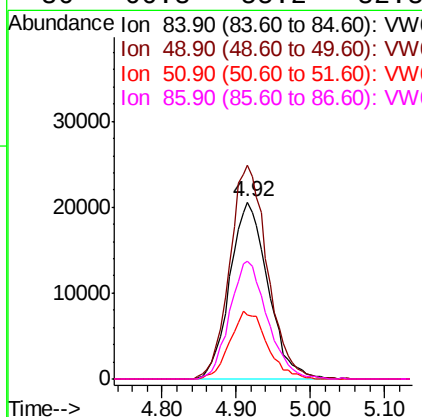
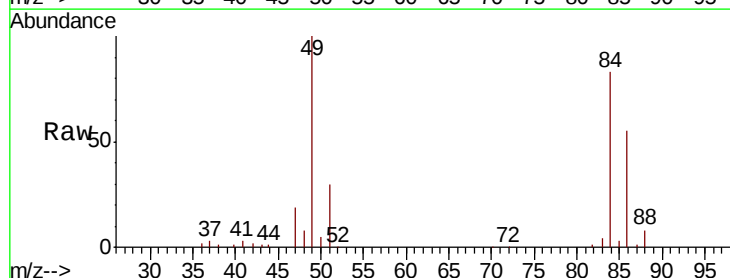
Instrument :
MSVOA_W
ClientSampled :

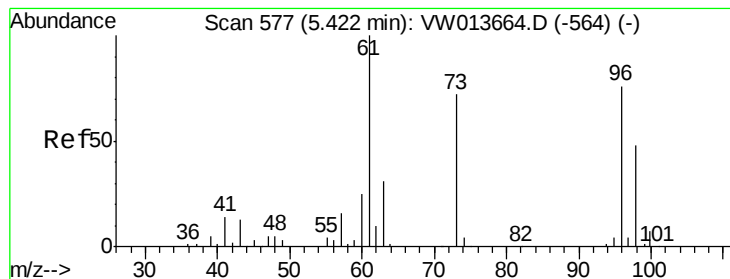
Tot Ion: 73 Resp: 75515
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 22.124 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion: 84 Resp: 74028
Ion Ratio Lower Upper
84 100
49 120.6 91.8 137.6
51 36.4 29.8 44.6
86 66.8 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 20.511 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampled :

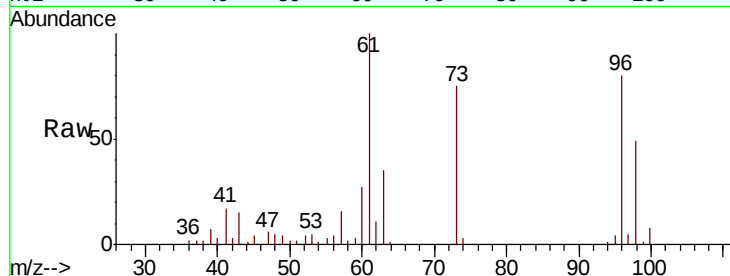
Tot Ion: 96 Resp: 67610

Ion Ratio Lower Upper

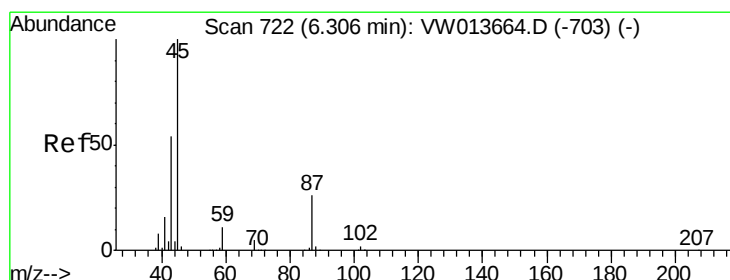
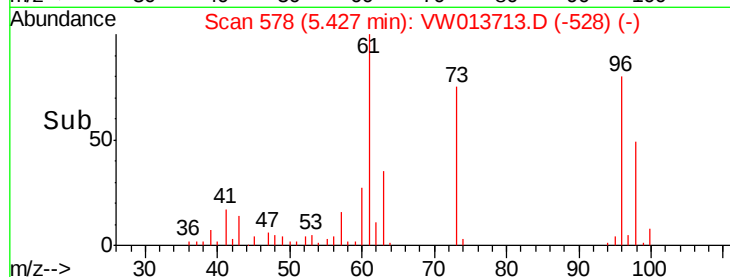
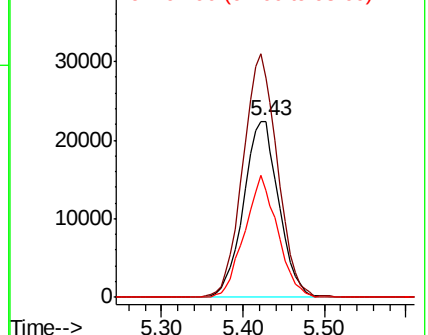
96 100

61 124.8 104.8 157.2

98 60.6 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.246 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tgt Ion: 45 Resp: 173916

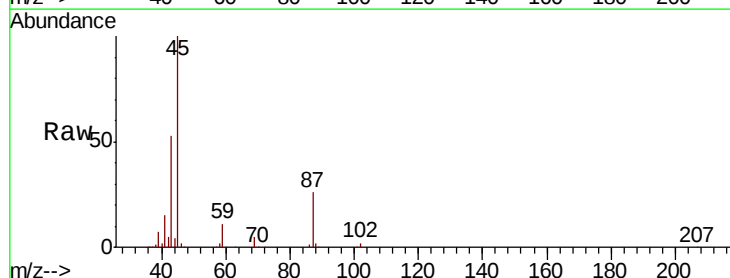
Ion Ratio Lower Upper

45 100

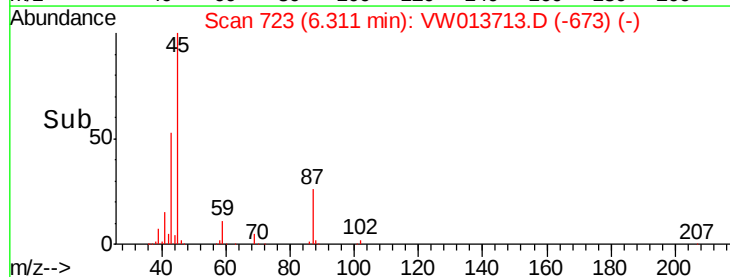
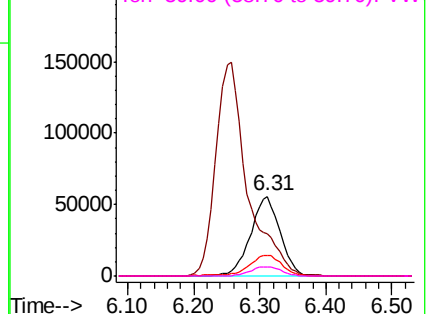
43 51.8 43.4 65.2

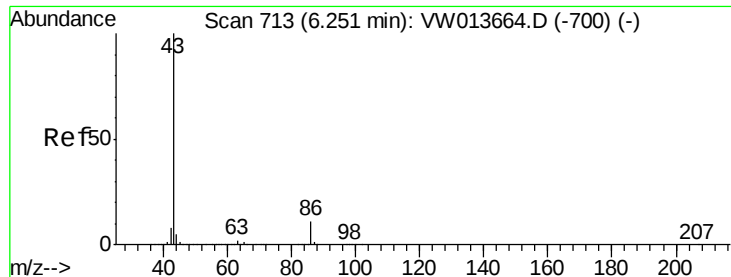
87 26.1 21.5 32.3

59 11.3 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 99.846 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

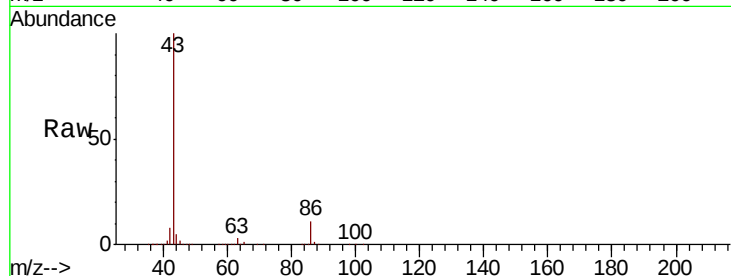
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 497669

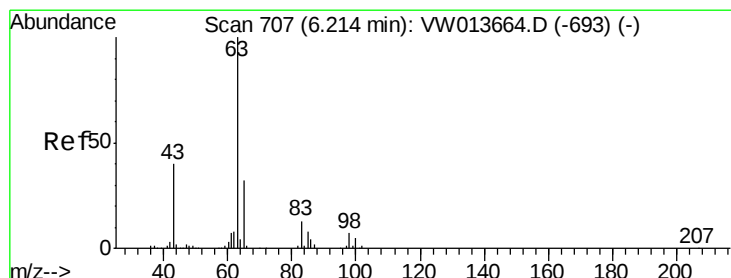
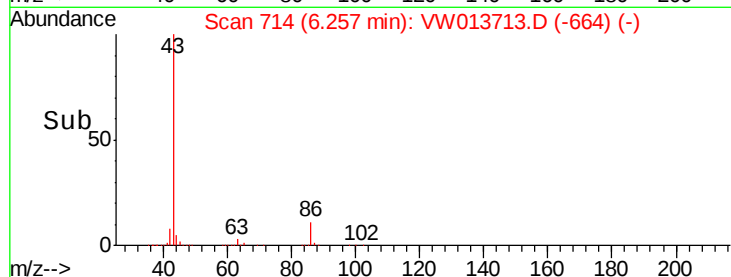
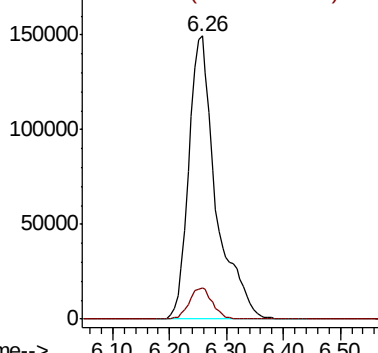
Ion Ratio Lower Upper

43 100

86 10.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.580 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

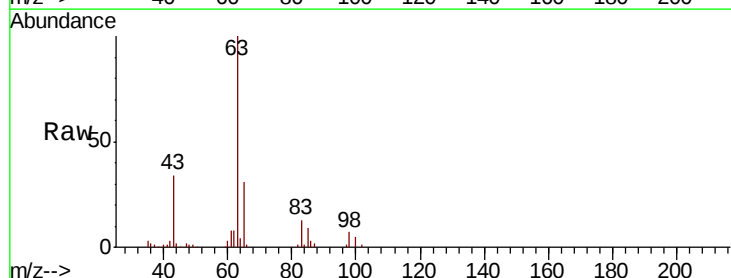
Tgt Ion: 63 Resp: 111965

Ion Ratio Lower Upper

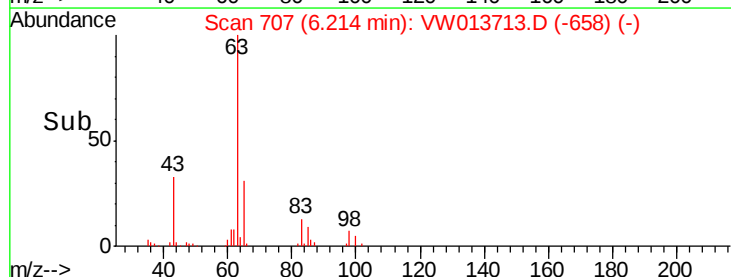
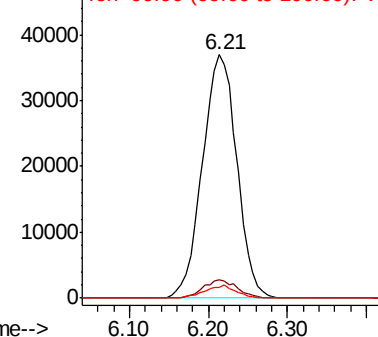
63 100

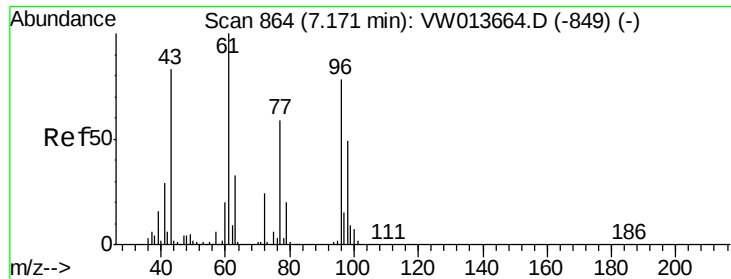
98 7.5 3.6 10.9

100 4.5 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 95.879 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

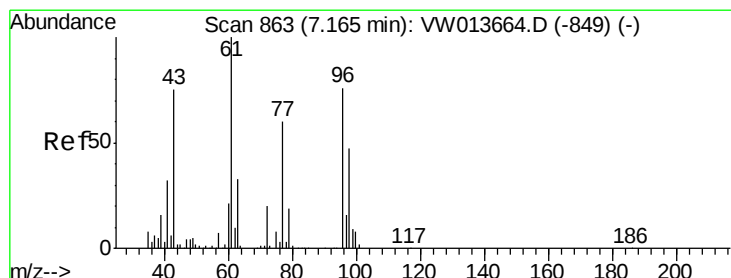
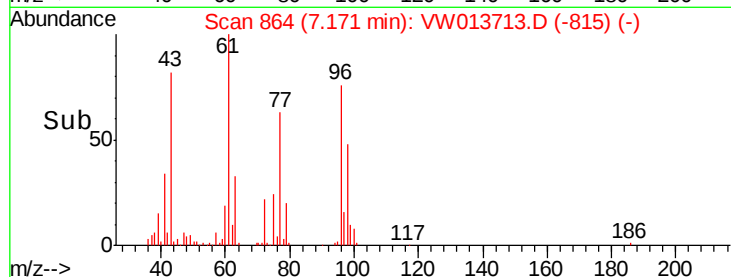
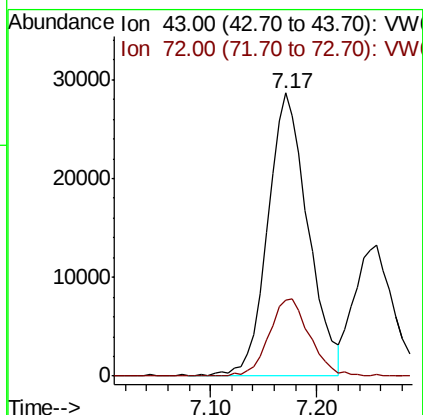
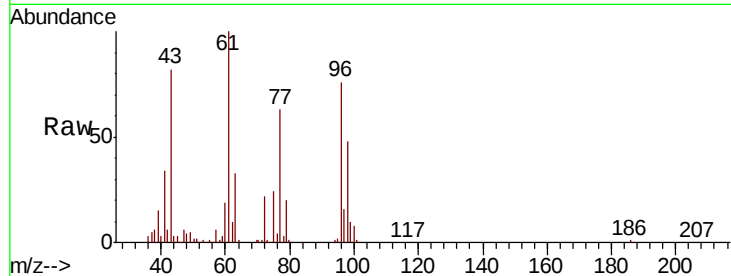
ClientSampled :

Tot Ion: 43 Resp: 74872

Ion Ratio Lower Upper

43 100

72 26.9 23.6 35.4



#26

2,2-Dichloropropane

Concen: 21.150 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013713.D

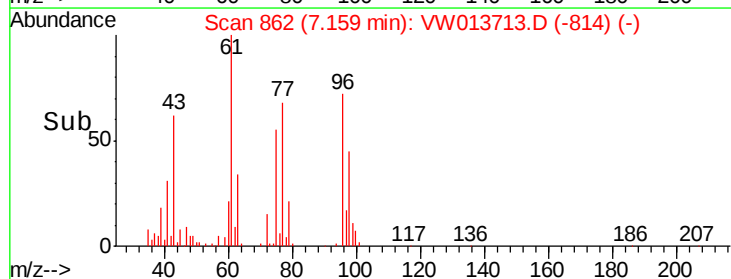
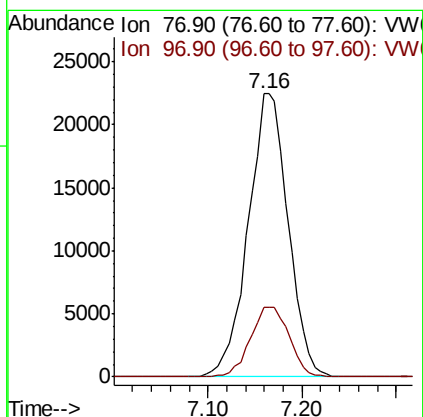
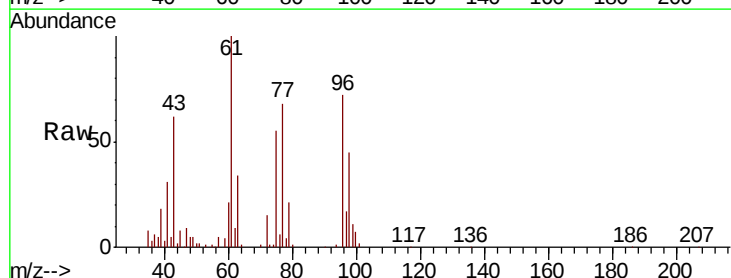
Acq: 24 Oct 2019 16:17

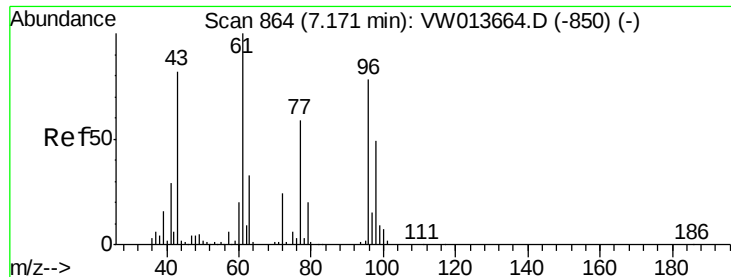
Tgt Ion: 77 Resp: 66536

Ion Ratio Lower Upper

77 100

97 24.1 12.8 38.4



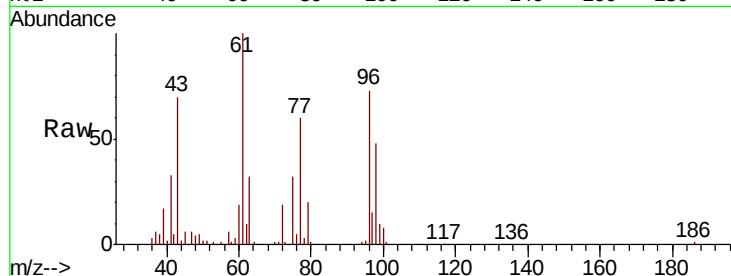


#27

cis-1,2-Dichloroethene
 Concen: 20.367 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	96	Resp	71307
Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	266.0
98	63.6	0.0	126.8

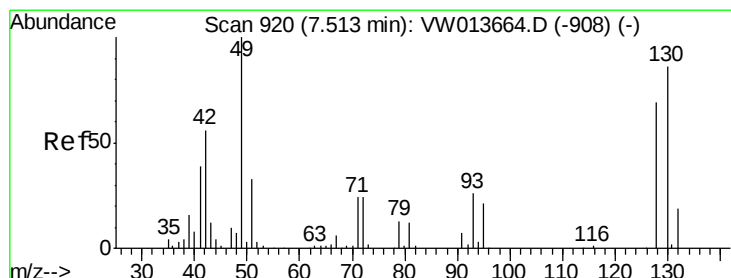
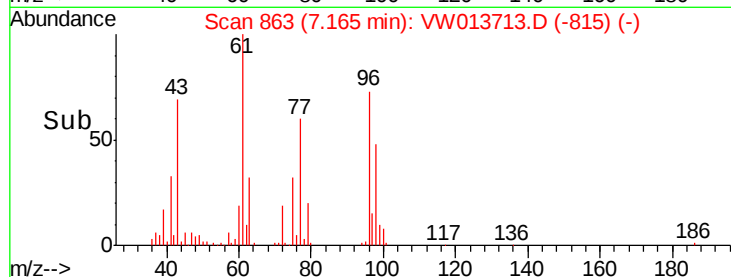
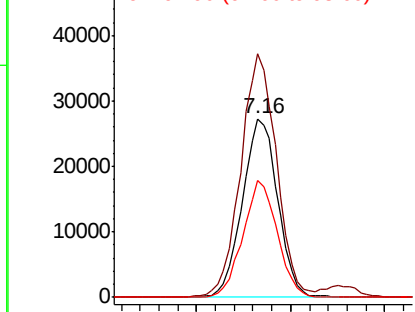


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

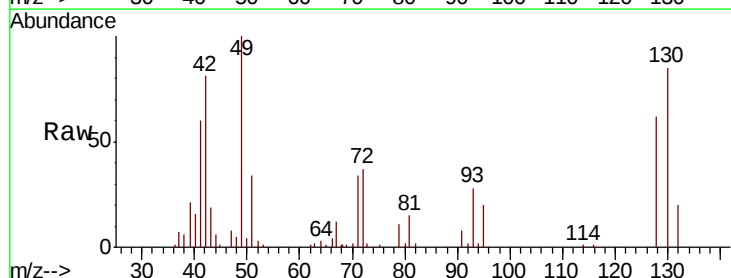
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 15.746 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion	49	Resp	28691
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	0.6#
130	82.9	67.5	101.3

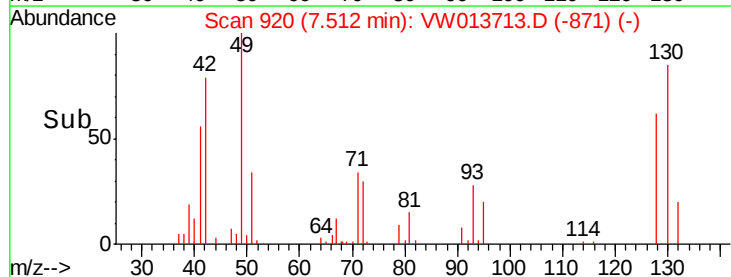
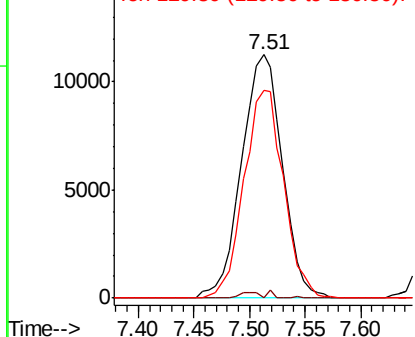


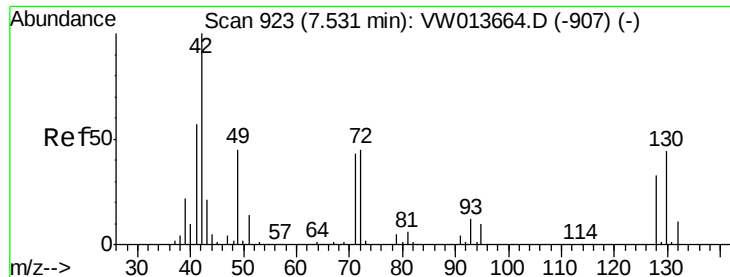
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

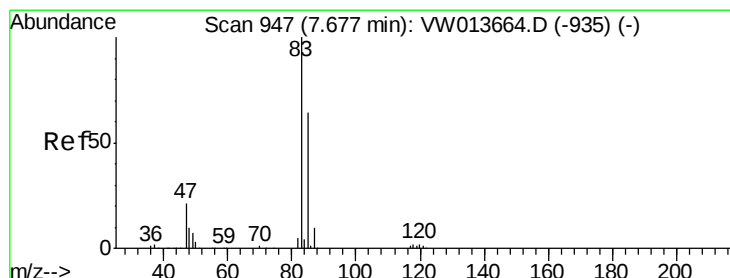
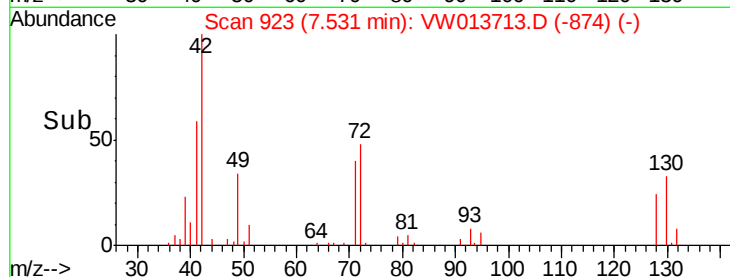
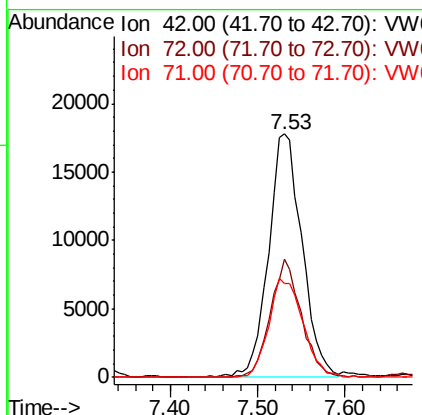
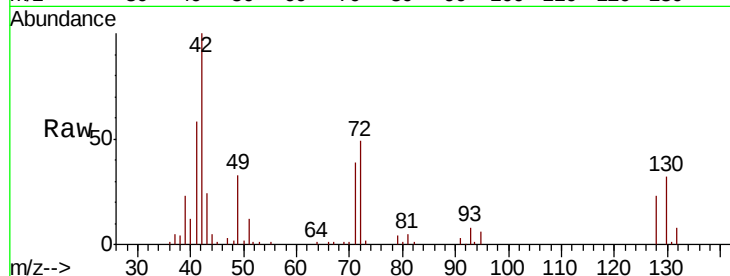




#29
Tetrahydrofuran
Concen: 98.809 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

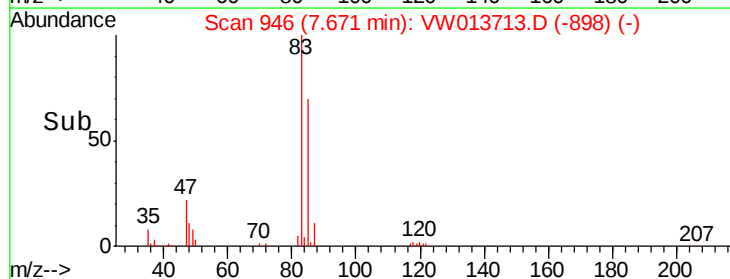
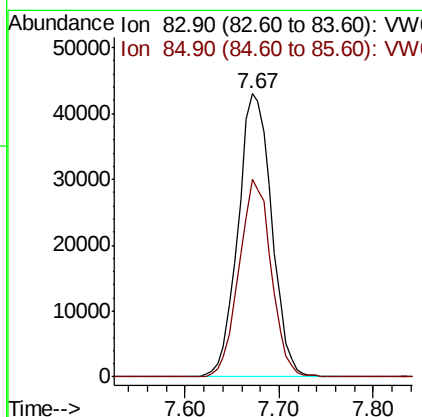
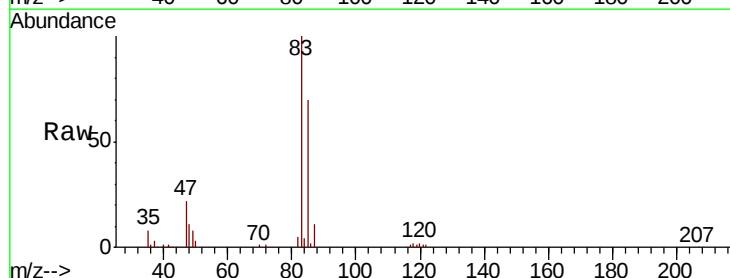
Instrument :
MSVOA_W
ClientSampled :

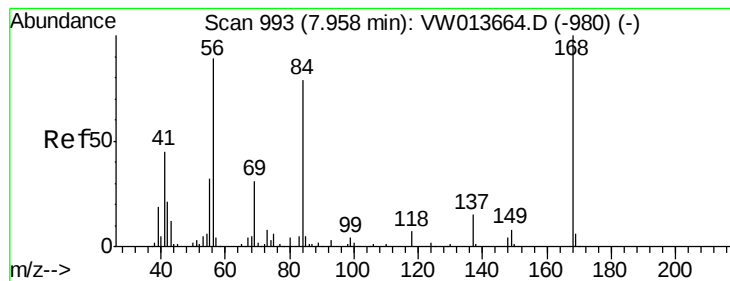
Tot Ion: 42 Resp: 47770
Ion Ratio Lower Upper
42 100
72 44.3 35.3 52.9
71 41.4 33.3 49.9



#30
Chloroform
Concen: 19.966 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion: 83 Resp: 107379
Ion Ratio Lower Upper
83 100
85 70.0 51.4 77.2





#31

Cyclohexane

Concen: 19.436 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :

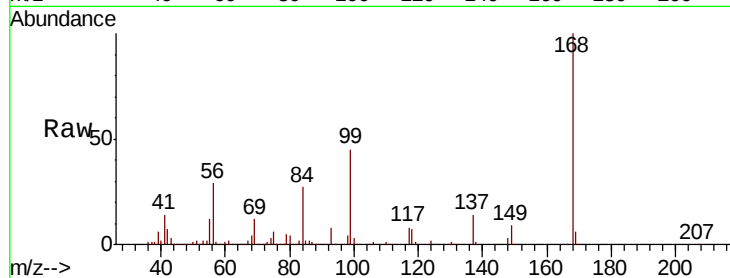
Tot Ion: 56 Resp: 110660

Ion Ratio Lower Upper

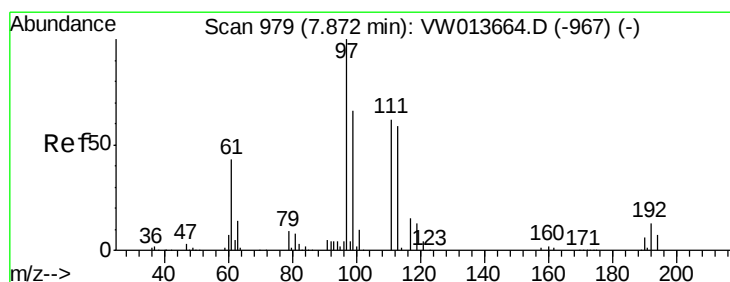
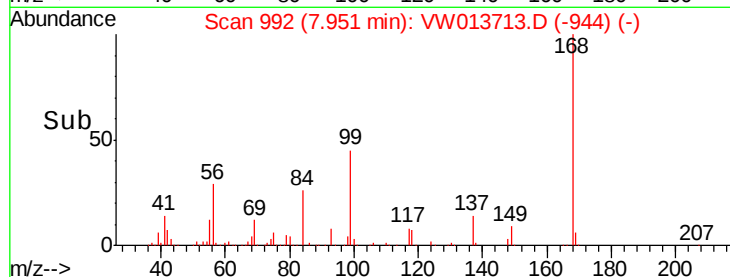
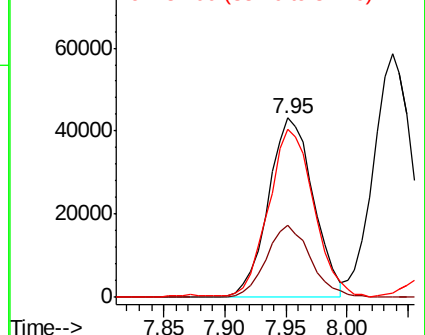
56 100

69 40.6 27.5 41.3

84 92.6 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 21.199 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

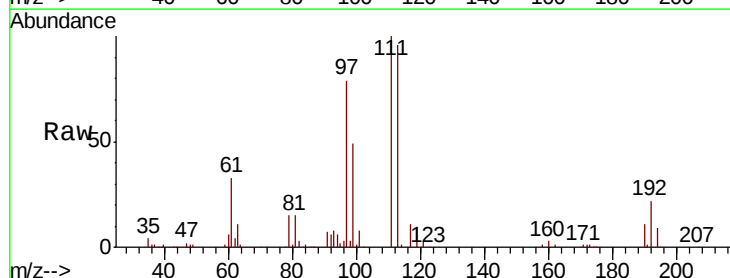
Tgt Ion: 97 Resp: 89469

Ion Ratio Lower Upper

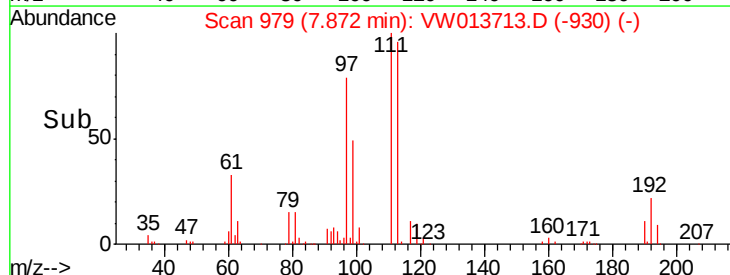
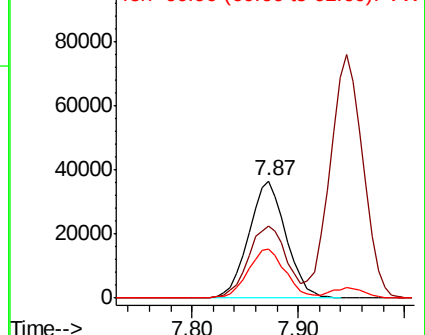
97 100

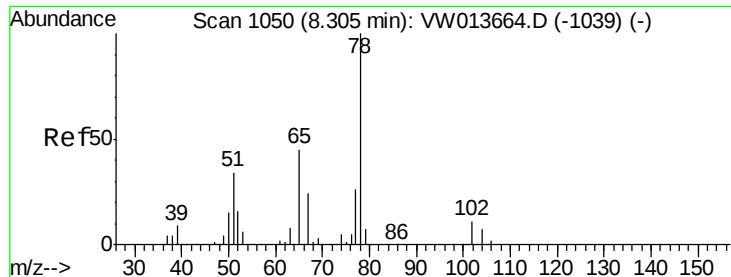
99 63.2 52.0 78.0

61 42.0 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 49.091 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

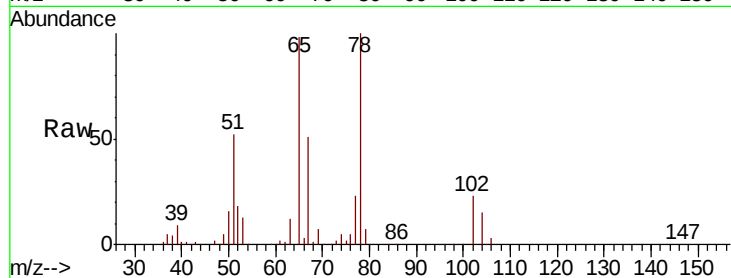
ClientSampleId :

Tot Ion: 65 Resp: 125758

Ion Ratio Lower Upper

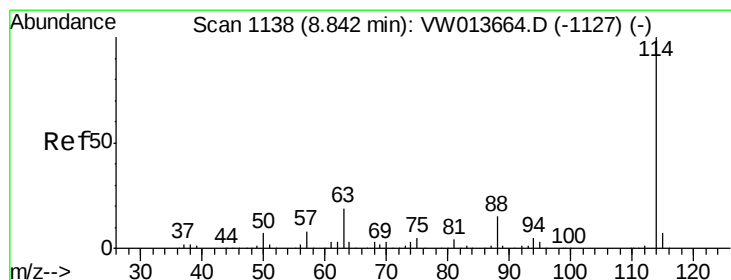
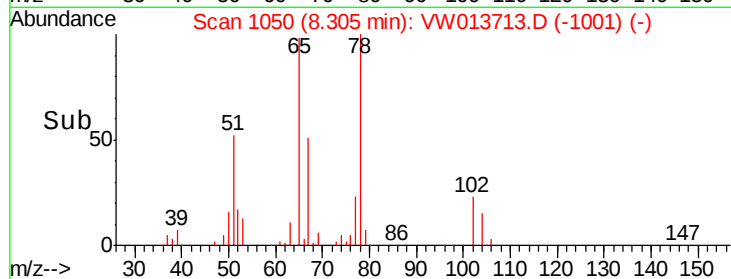
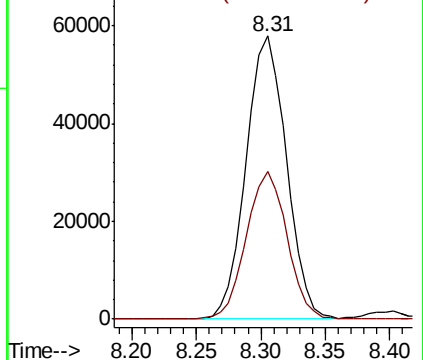
65 100

67 52.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

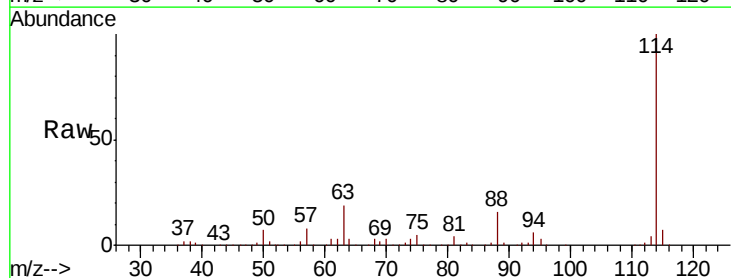
Tgt Ion: 114 Resp: 479704

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.6

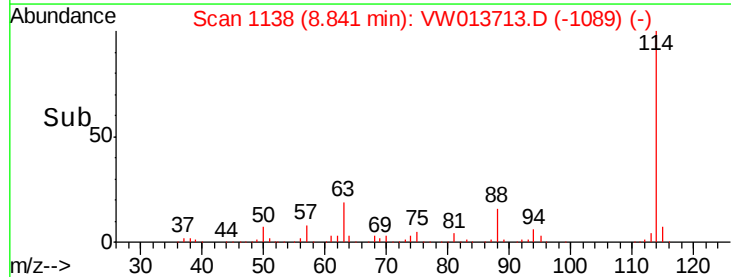
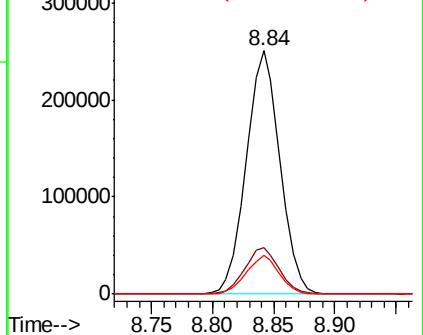
88 15.9 0.0 30.2

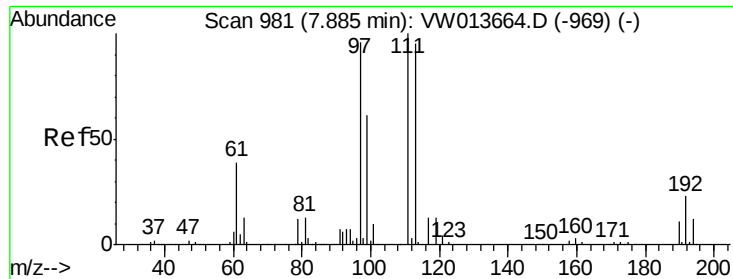


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

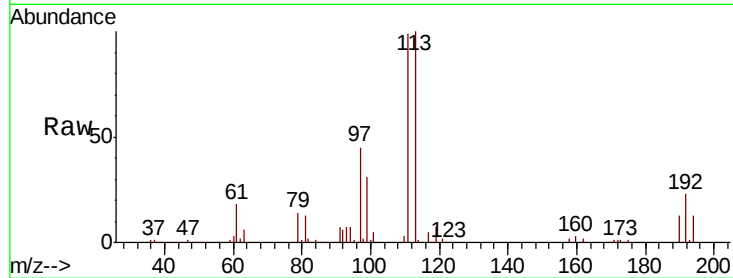




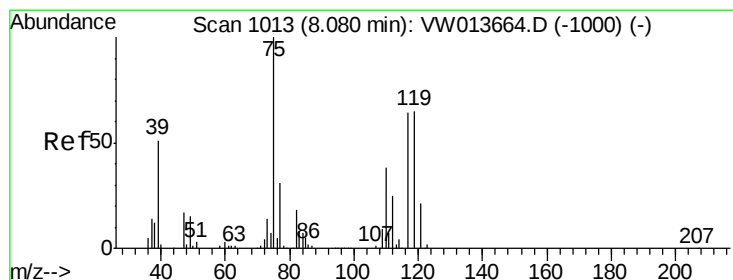
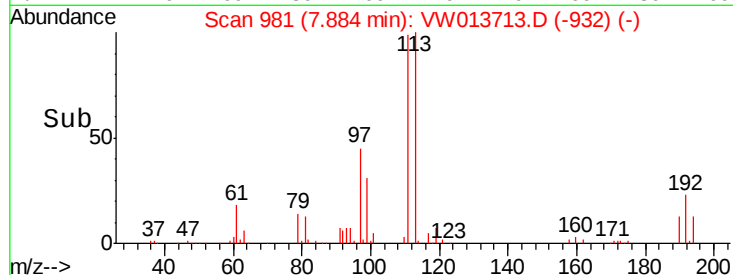
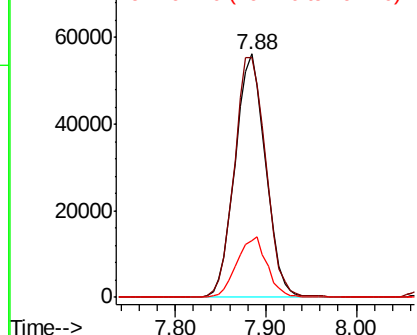
#35
 Dibromofluoromethane
 Concen: 49.249 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 131274
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.6
 192 24.5 19.4 29.2

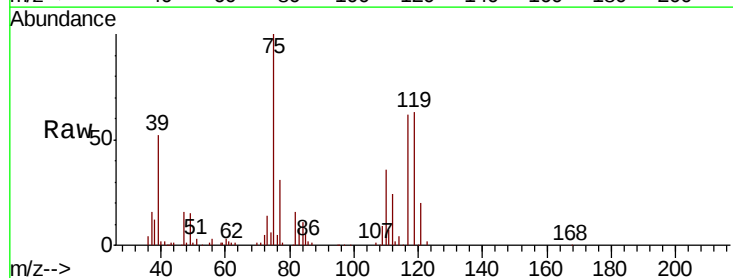


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

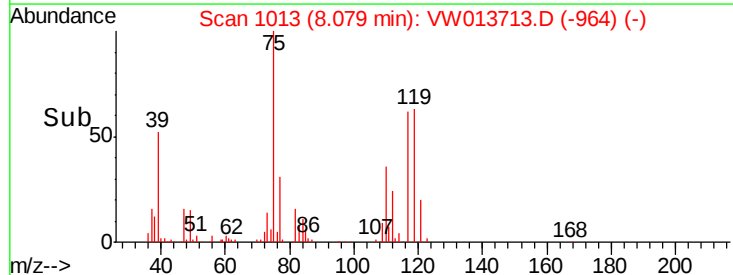
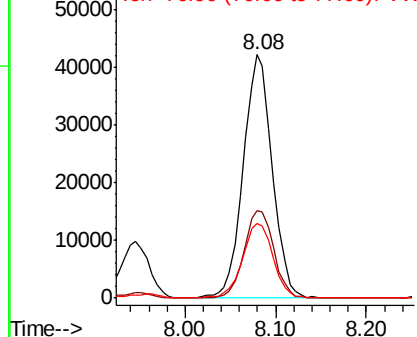


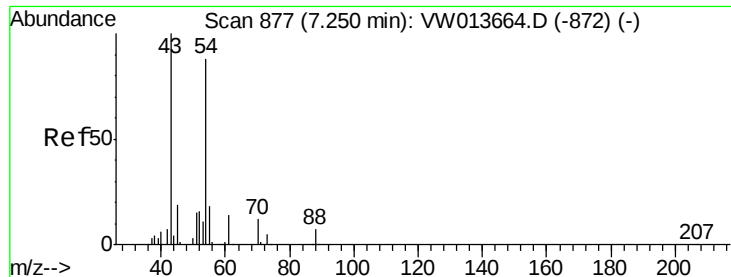
#36
 1,1-Dichloropropene
 Concen: 20.872 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion: 75 Resp: 93246
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.7 56.1
 77 32.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

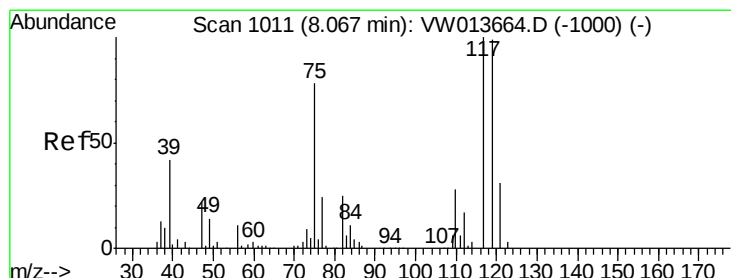
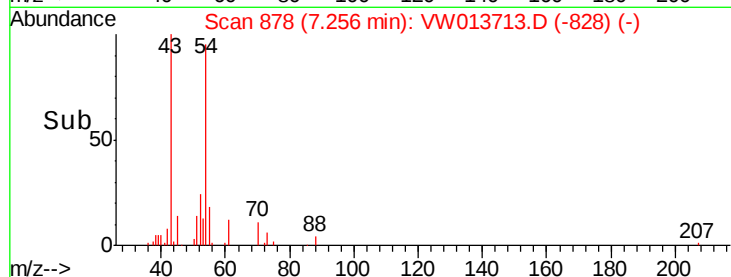
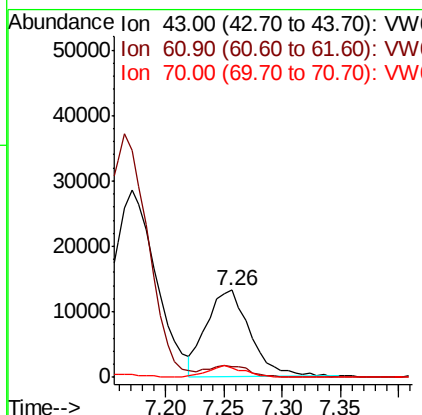
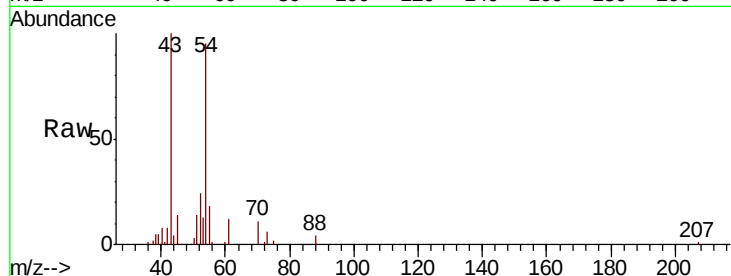




#37
Ethyl Acetate
Concen: 19.931 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

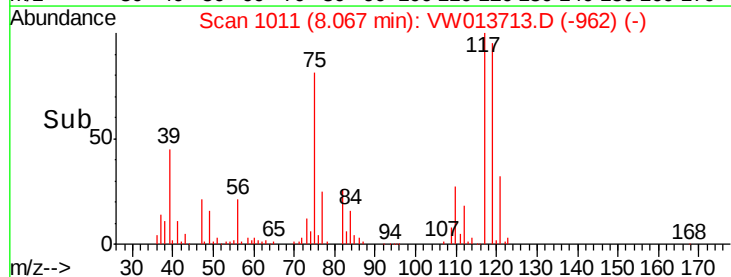
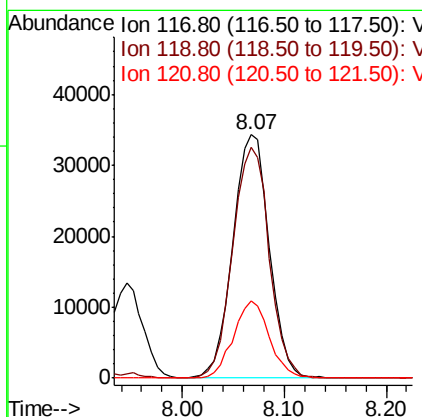
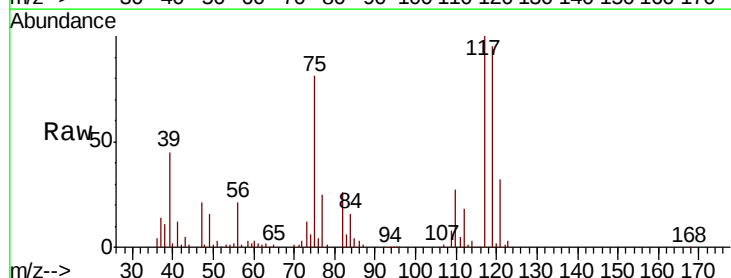
Instrument :
MSVOA_W
ClientSampled :

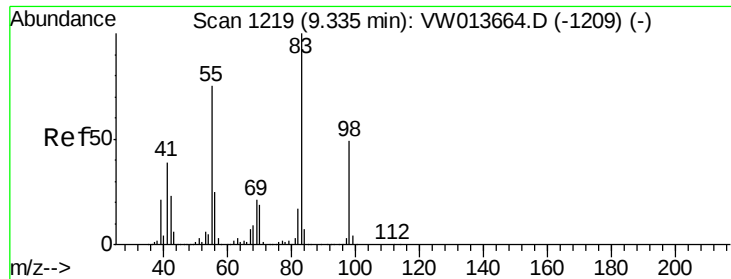
Tot Ion: 43 Resp: 34085
Ion Ratio Lower Upper
43 100
61 13.2 11.7 17.5
70 11.1 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.104 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion: 117 Resp: 84901
Ion Ratio Lower Upper
117 100
119 94.8 79.0 118.4
121 31.5 24.5 36.7

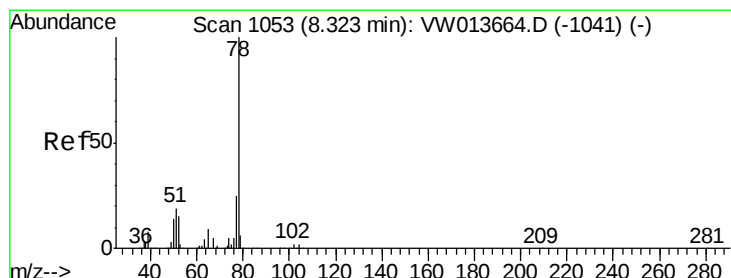
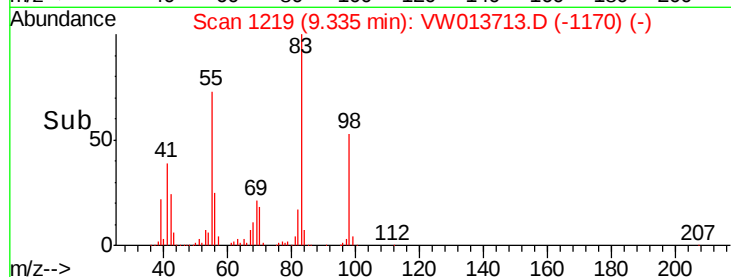
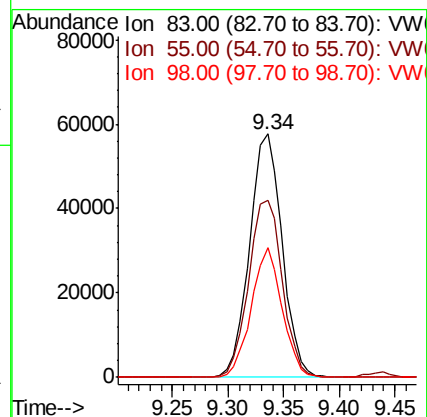
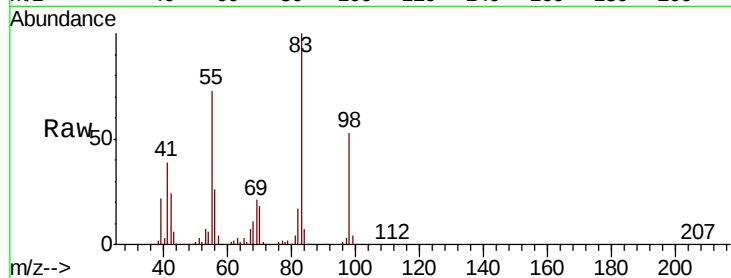




#39
Methvlcvclohexane
Concen: 20.397 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

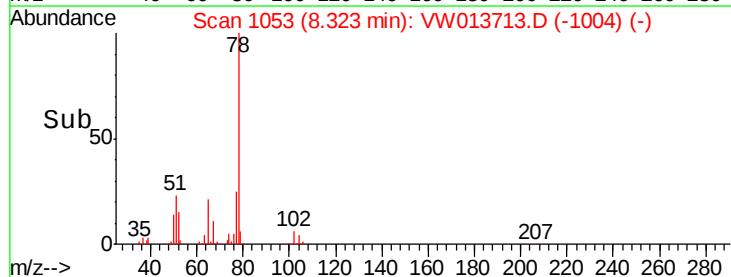
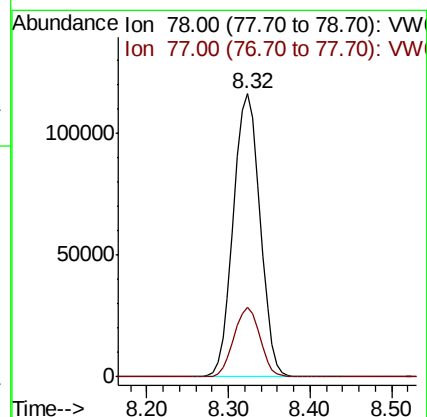
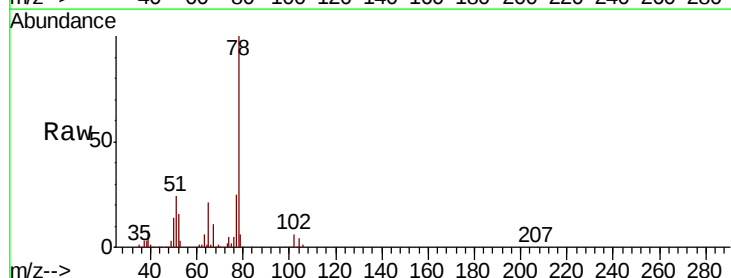
Instrument :
MSVOA_W
ClientSampleId :

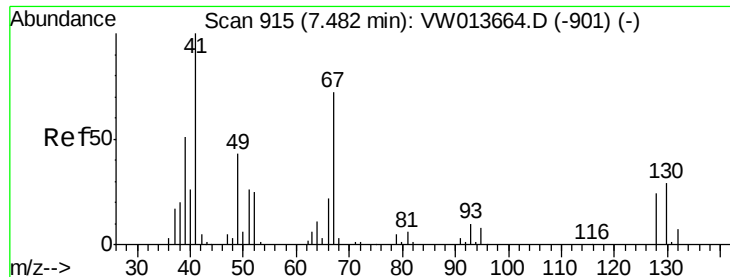
Tot Ion: 83 Resp: 117675
Ion Ratio Lower Upper
83 100
55 72.7 59.9 89.9
98 53.1 39.4 59.2



#40
Benzene
Concen: 20.750 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion: 78 Resp: 262339
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4





#41

Methacrylonitrile

Concen: 20.435 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 41 Resp: 21793

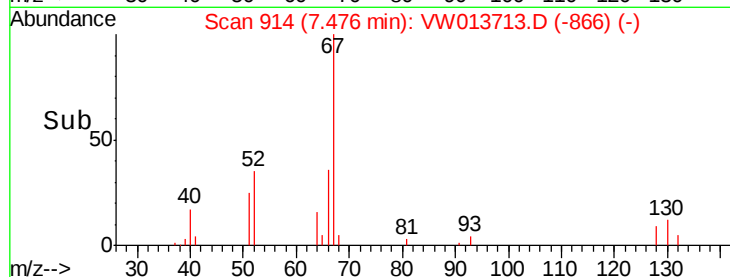
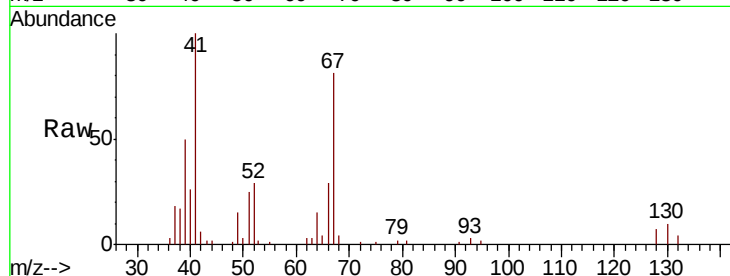
Ion Ratio Lower Upper

41 100

39 51.4 44.8 67.2

67 69.3 59.3 88.9

52 26.7 23.4 35.0

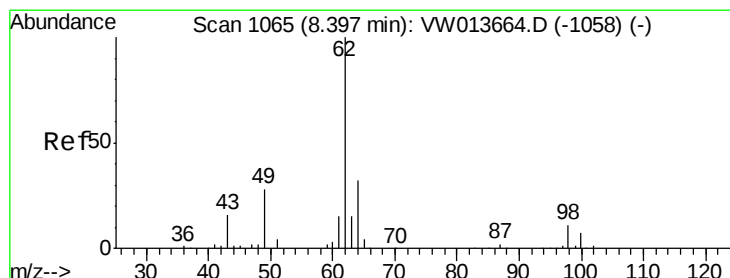
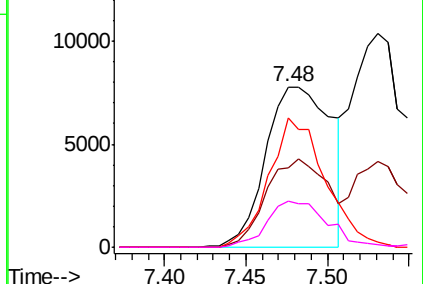


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.152 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013713.D

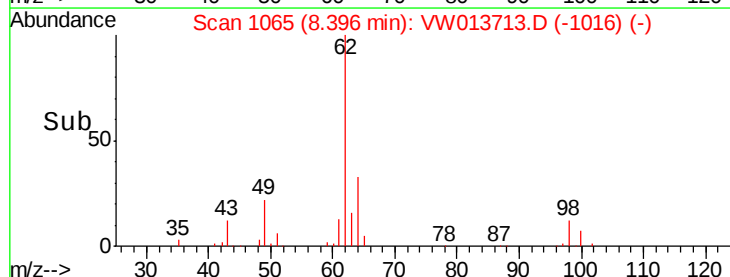
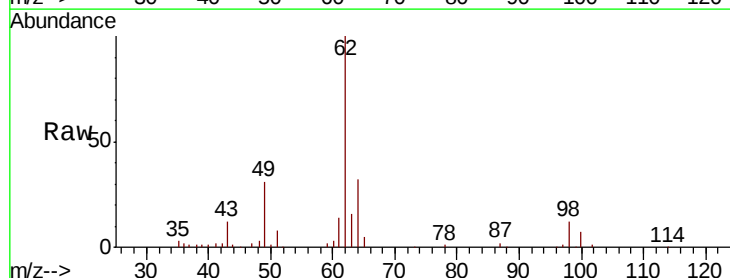
Acq: 24 Oct 2019 16:17

Tgt Ion: 62 Resp: 67390

Ion Ratio Lower Upper

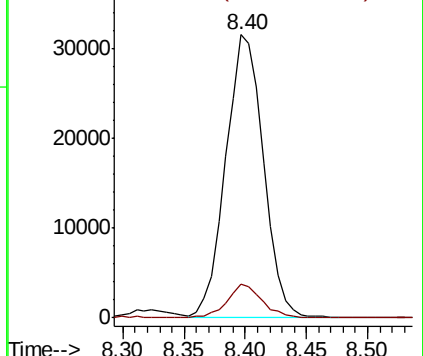
62 100

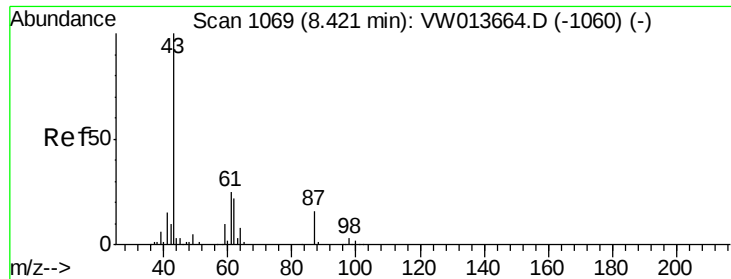
98 10.8 0.0 22.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.774 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

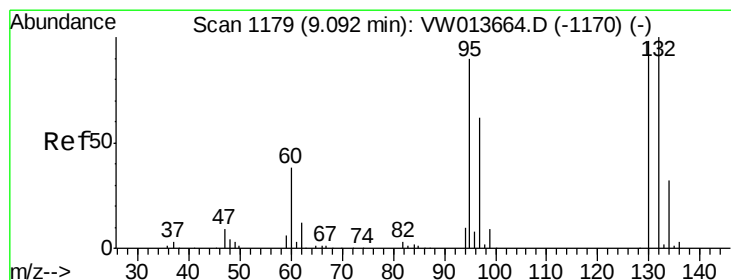
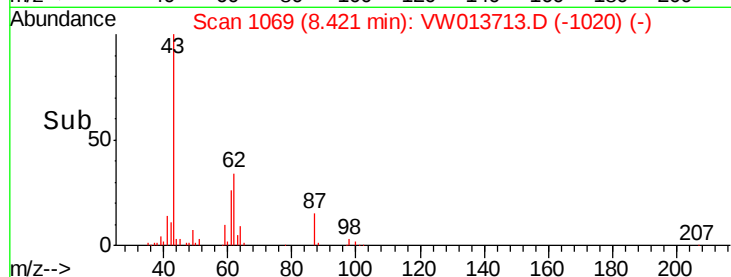
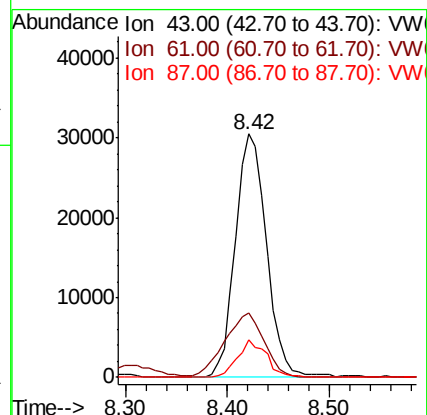
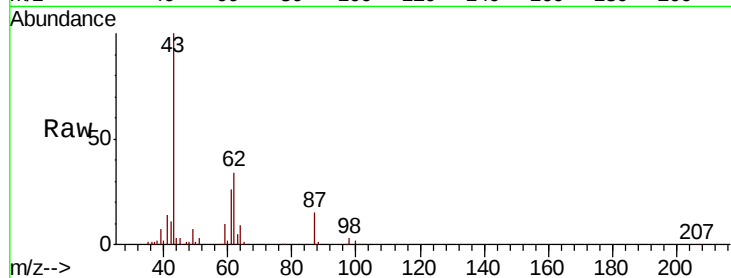
Tot Ion: 43 Resp: 64730

Ion Ratio Lower Upper

43 100

61 33.6 26.1 39.1

87 14.2 11.4 17.0



#44

Trichloroethene

Concen: 20.912 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013713.D

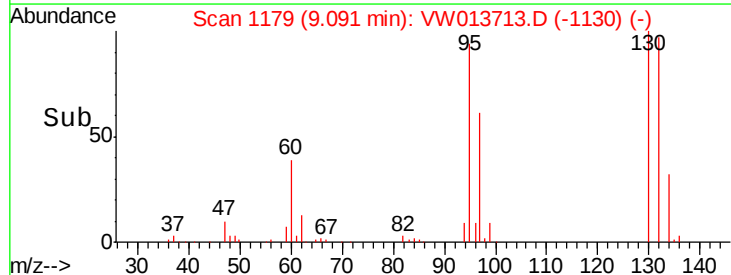
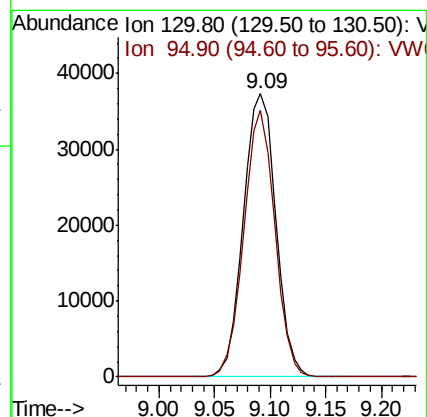
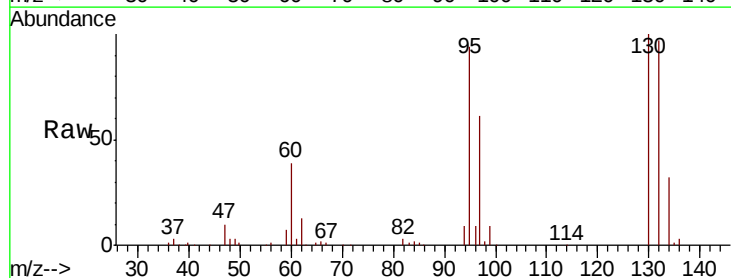
Acq: 24 Oct 2019 16:17

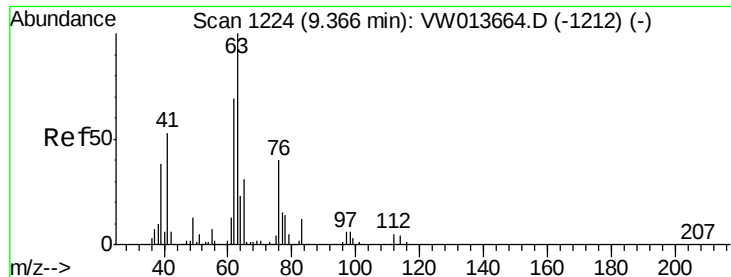
Tgt Ion: 130 Resp: 75734

Ion Ratio Lower Upper

130 100

95 94.3 0.0 184.6





#45

1,2-Dichloropropane

Concen: 20.444 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

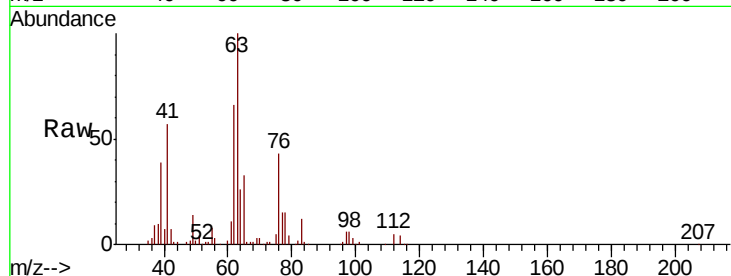
ClientSampleId :

Tot Ion: 63 Resp: 61739

Ion Ratio Lower Upper

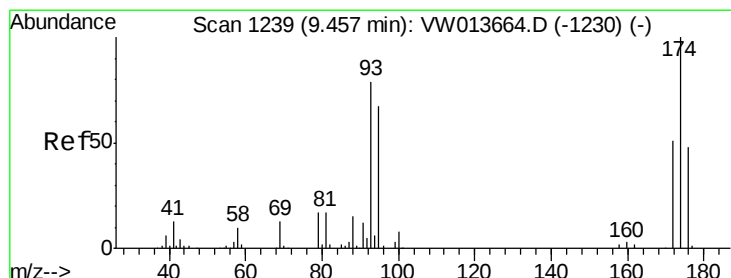
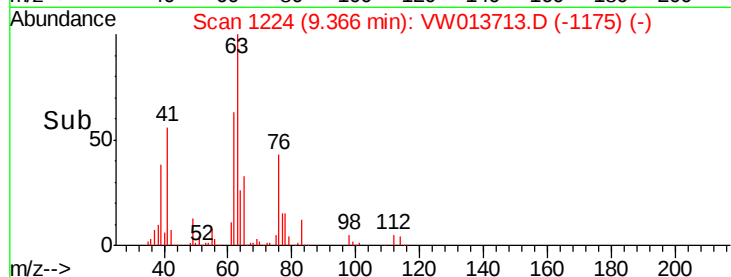
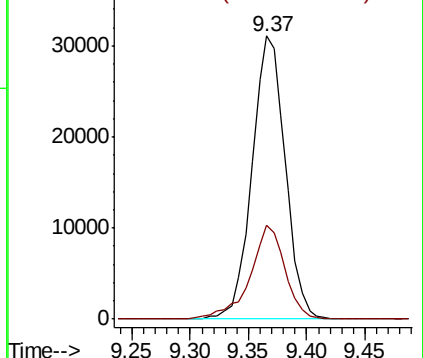
63 100

65 33.4 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.350 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

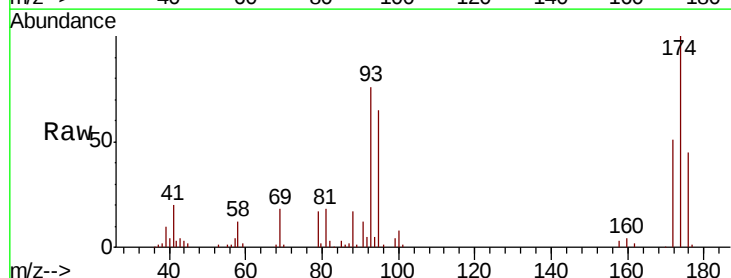
Tgt Ion: 93 Resp: 29827

Ion Ratio Lower Upper

93 100

95 84.6 66.5 99.7

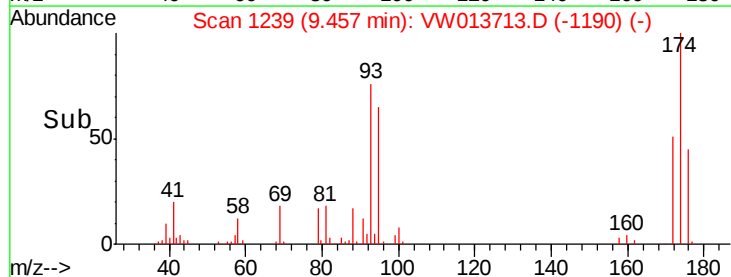
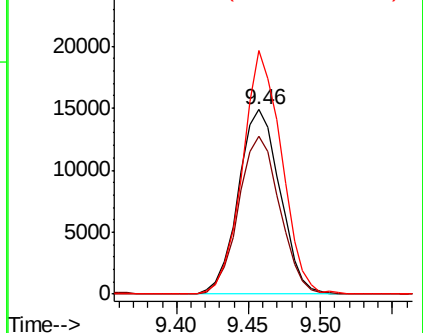
174 123.9 99.6 149.4

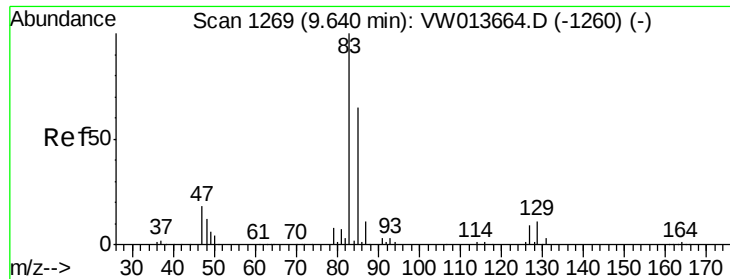


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

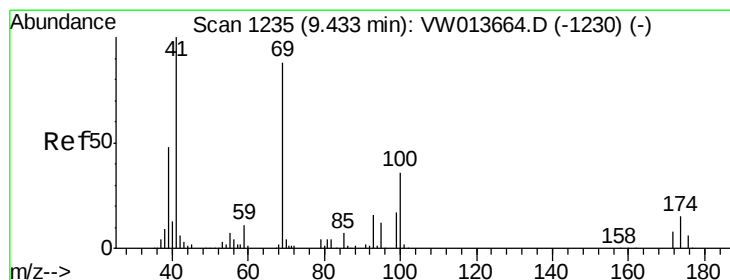
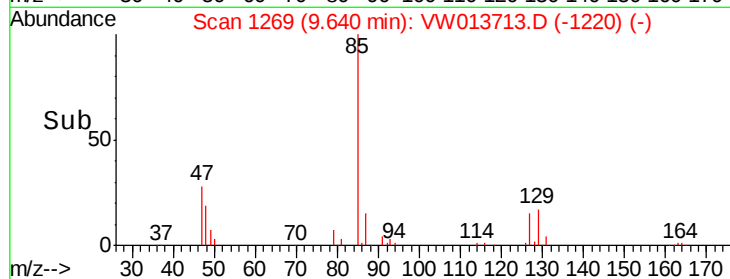
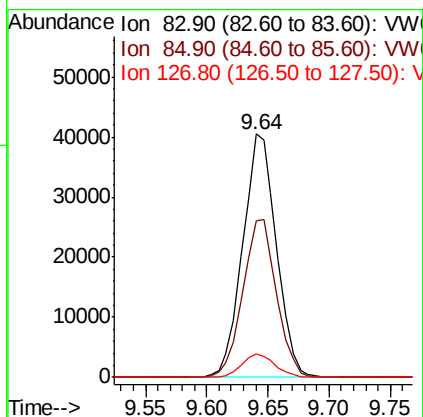
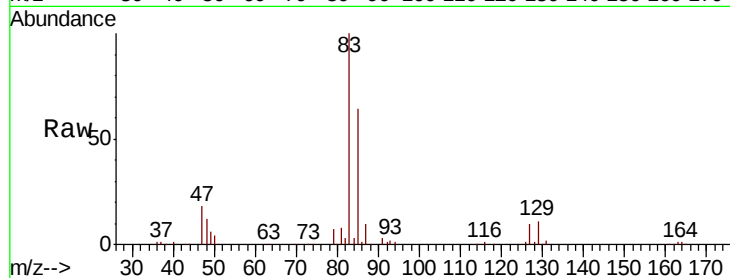




#47
 Bromodichloromethane
 Concen: 20.374 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

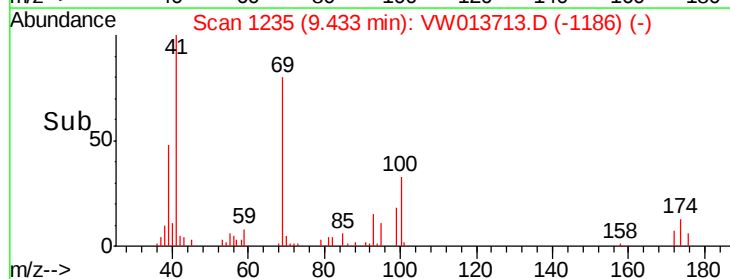
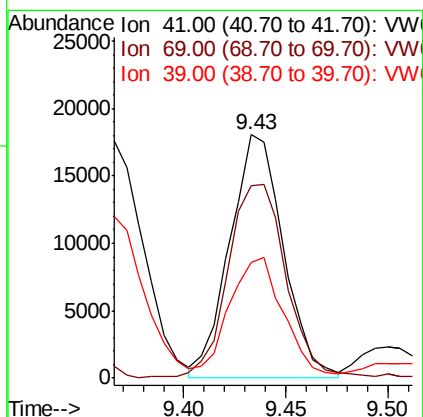
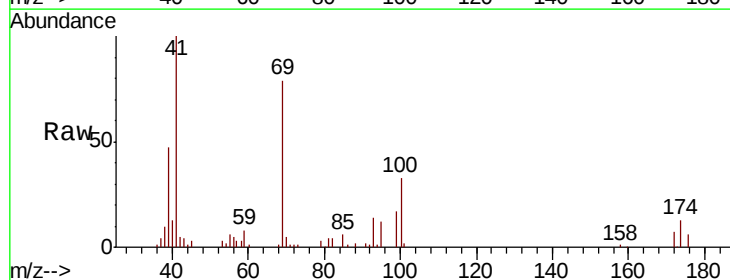
Instrument :
 MSVOA_W
 ClientSampled :

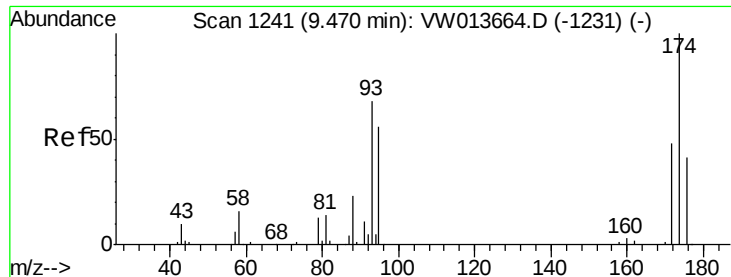
Tot Ion: 83 Resp: 77268
 Ion Ratio Lower Upper
 83 100
 85 64.1 51.8 77.6
 127 9.5 7.3 10.9



#48
 Methyl methacrylate
 Concen: 20.348 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion: 41 Resp: 33032
 Ion Ratio Lower Upper
 41 100
 69 86.3 67.6 101.4
 39 46.8 38.6 58.0





#49

1,4-Dioxane

Concen: 380.903 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :

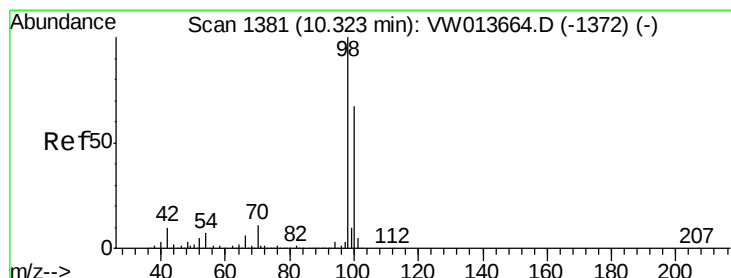
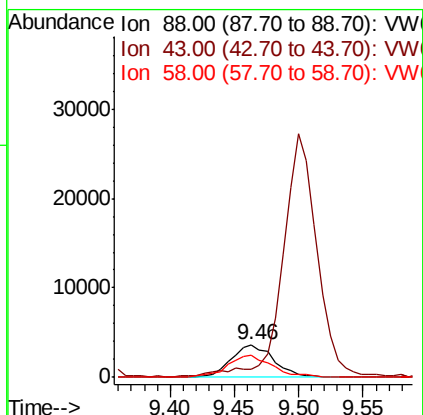
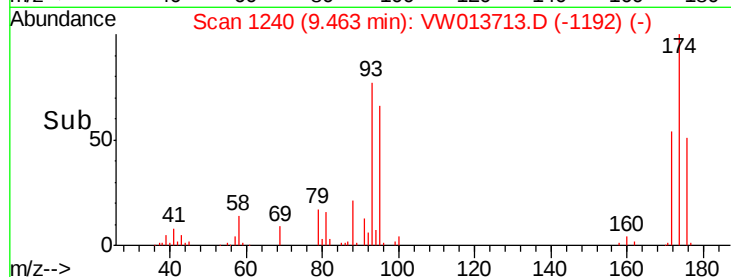
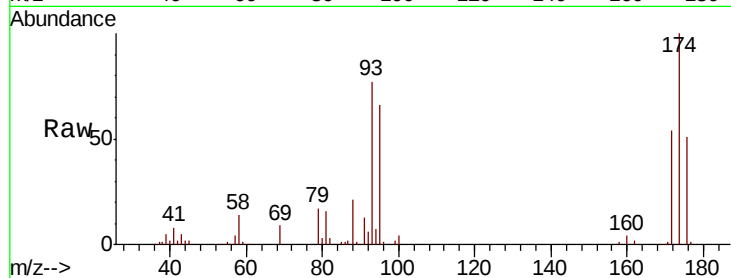
Tot Ion: 88 Resp: 8250

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 71.6 58.9 88.3



#50

Toluene-d8

Concen: 49.868 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013713.D

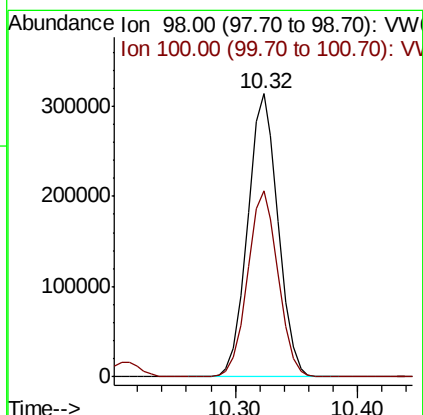
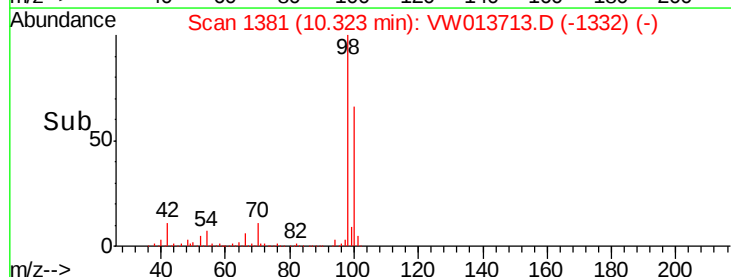
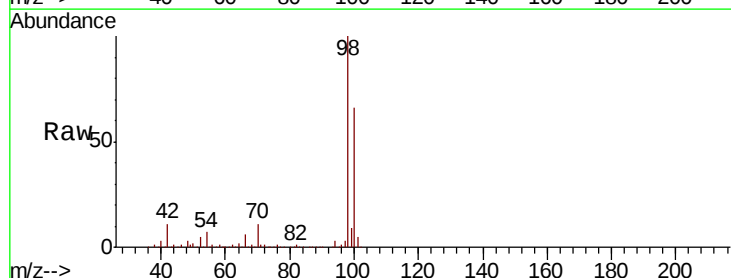
Acq: 24 Oct 2019 16:17

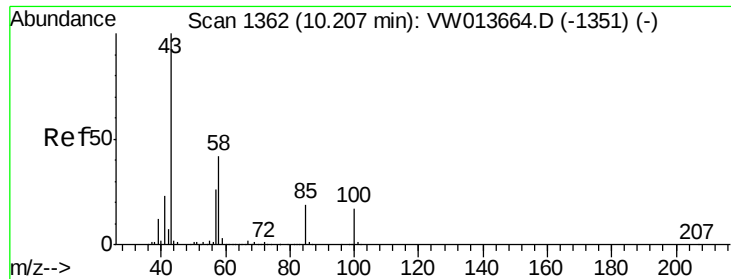
Tgt Ion: 98 Resp: 541626

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 100.179 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

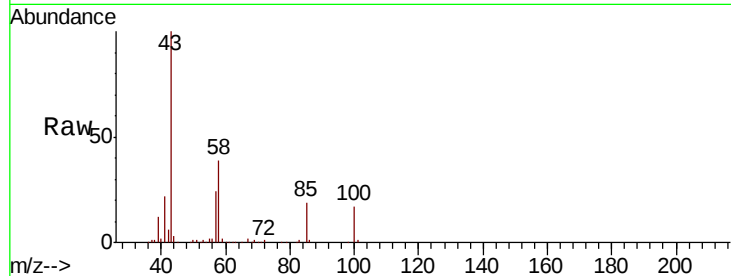
ClientSampled :

Tot Ion: 43 Resp: 162957

Ion Ratio Lower Upper

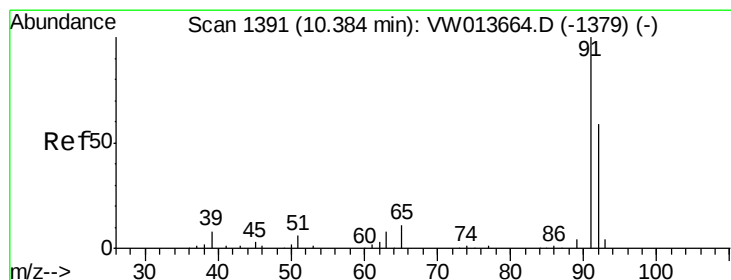
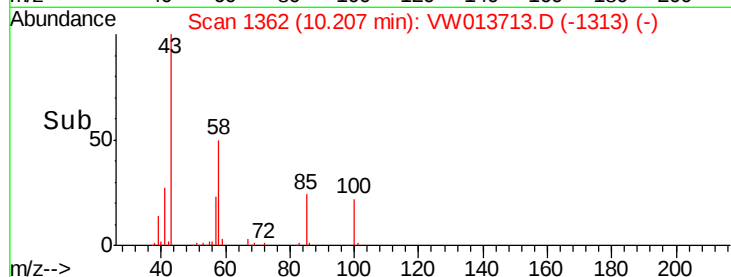
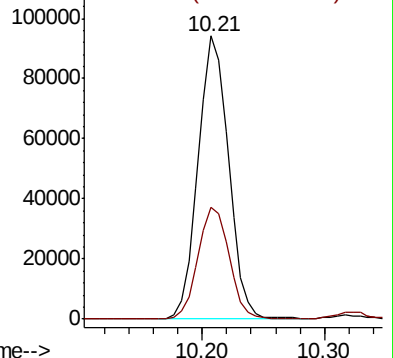
43 100

58 40.3 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.642 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013713.D

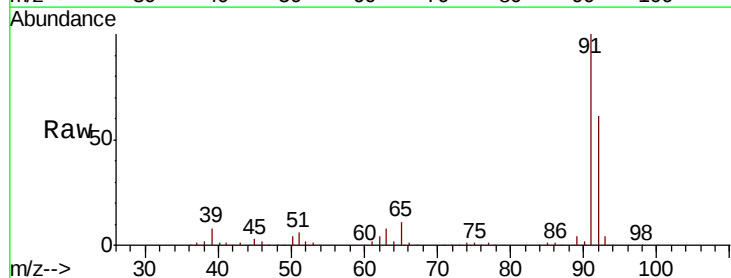
Acq: 24 Oct 2019 16:17

Tgt Ion: 92 Resp: 168346

Ion Ratio Lower Upper

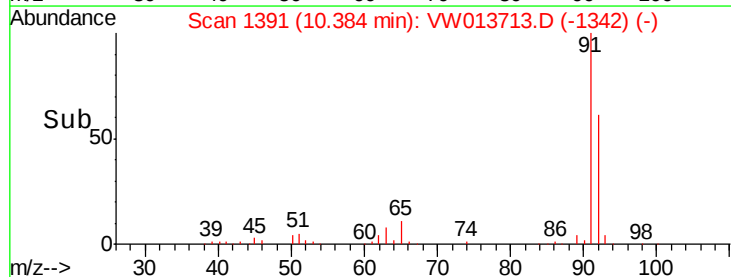
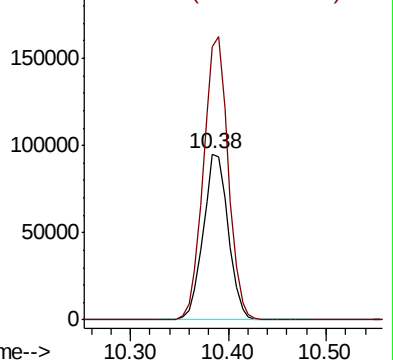
92 100

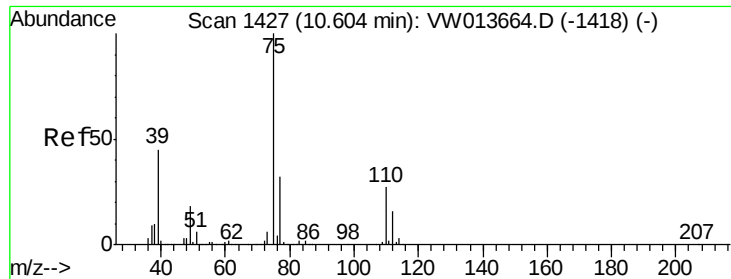
91 169.1 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.471 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

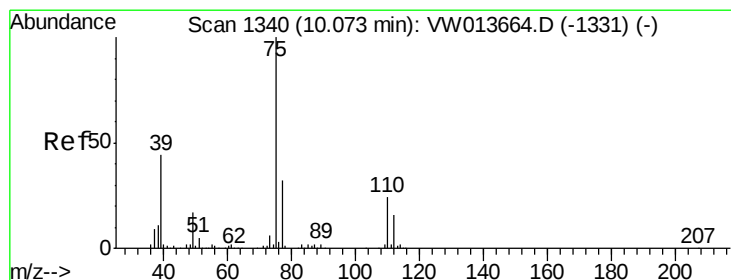
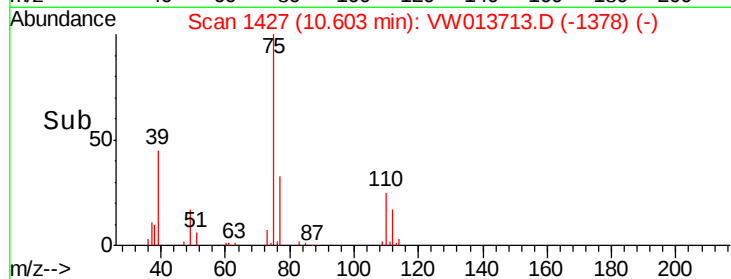
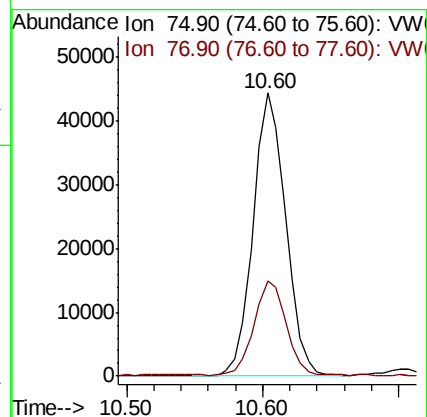
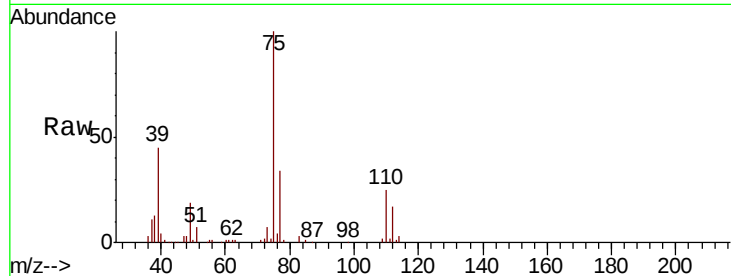
ClientSampleId :

Tot Ion: 75 Resp: 74754

Ion Ratio Lower Upper

75 100

77 33.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.973 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

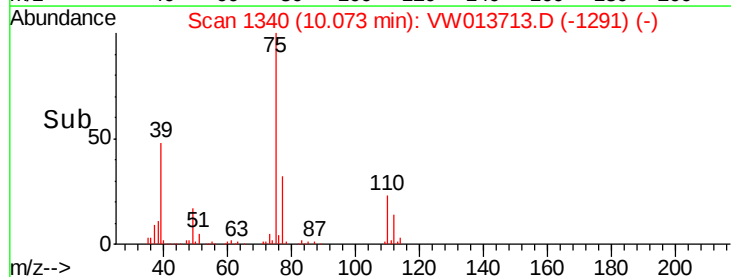
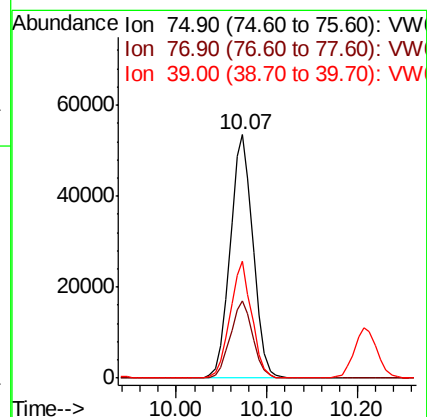
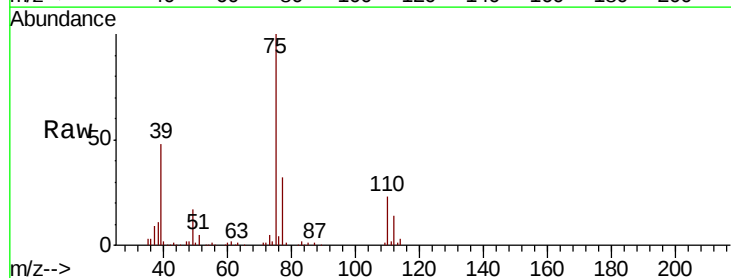
Tgt Ion: 75 Resp: 94606

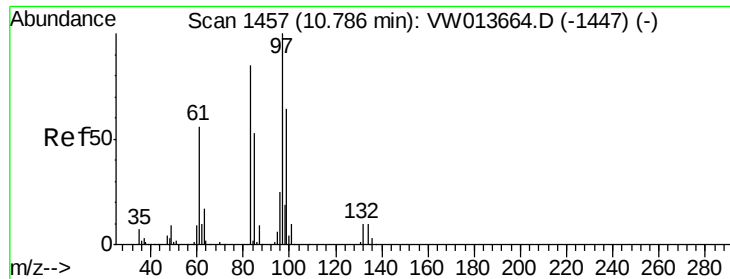
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 47.7 35.3 52.9

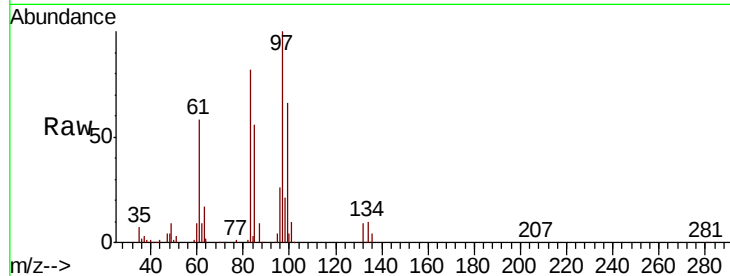




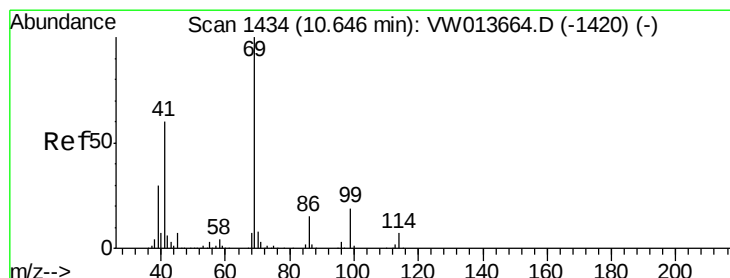
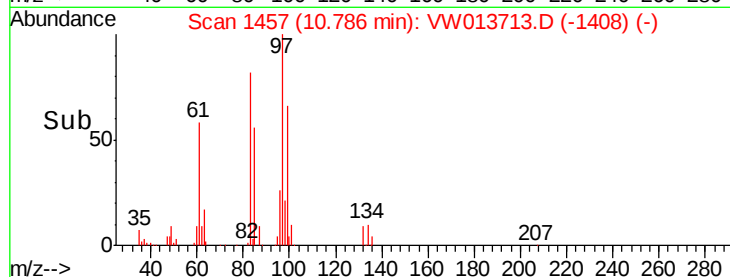
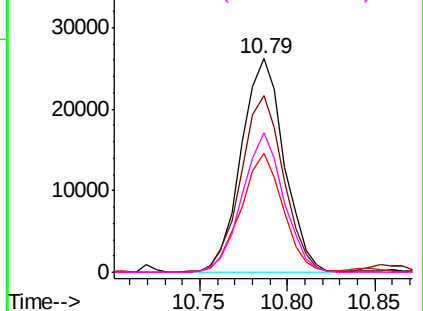
#55
 1,1,2-Trichloroethane
 Concen: 20.479 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	44736
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.8	101.8
85	55.8	42.1	63.1
99	65.6	51.4	77.0

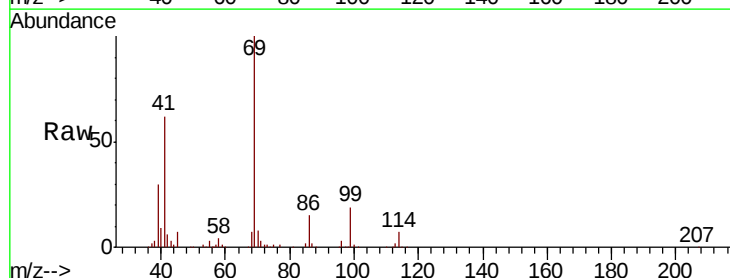


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

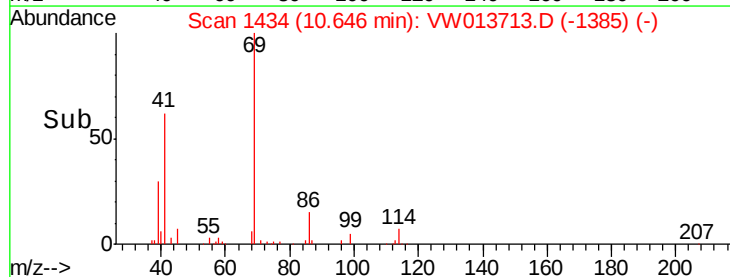
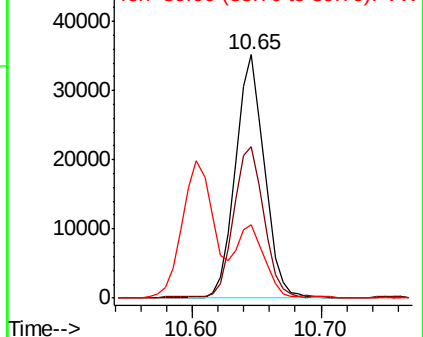


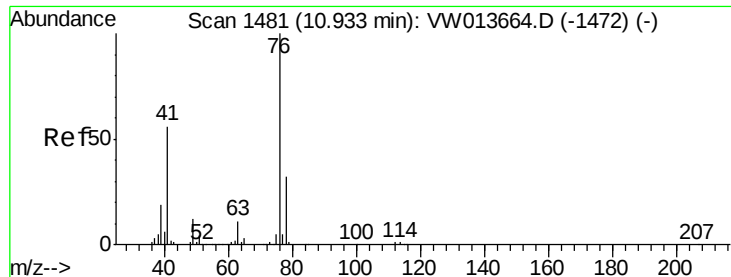
#56
 Ethyl methacrylate
 Concen: 20.103 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion:	69	Resp:	54942
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.6	77.4
39	28.1	22.4	33.6



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.487 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

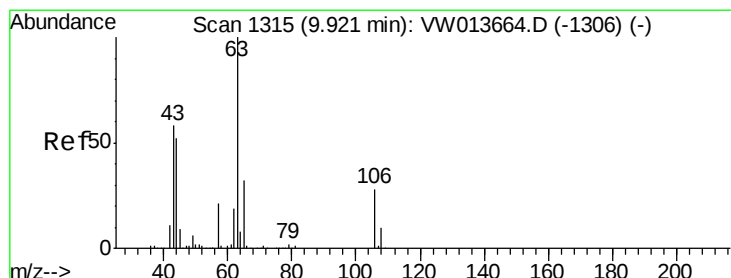
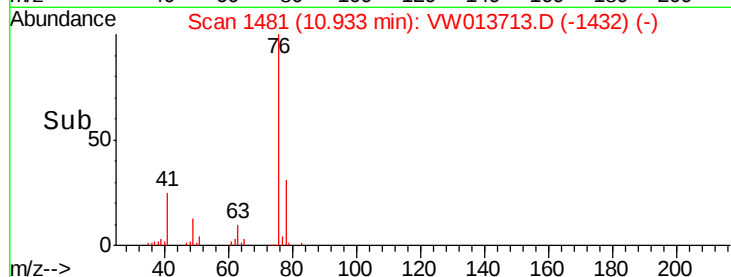
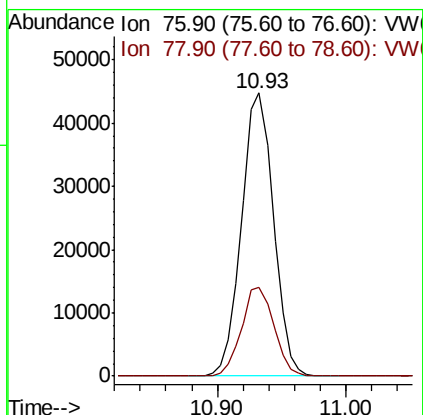
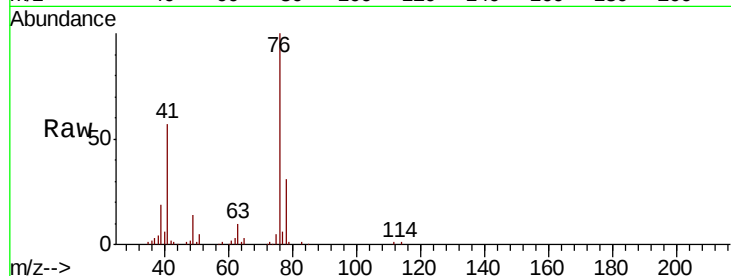
ClientSampled :

Tot Ion: 76 Resp: 76799

Ion Ratio Lower Upper

76 100

78 31.8 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 97.311 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW013713.D

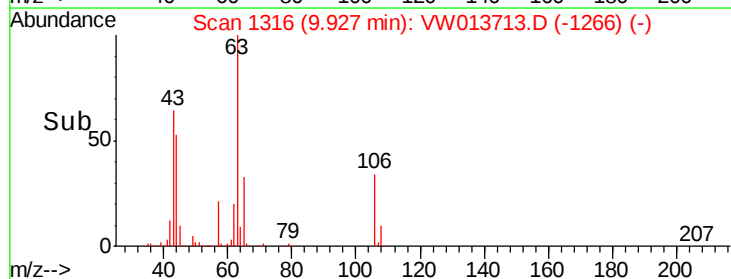
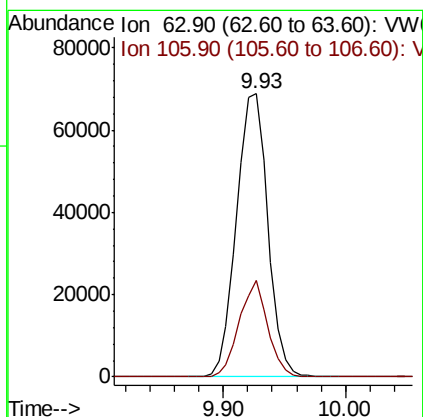
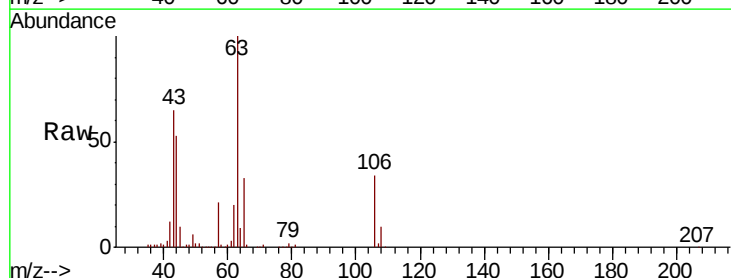
Acq: 24 Oct 2019 16:17

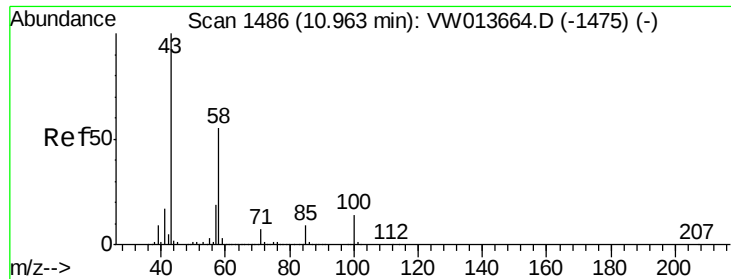
Tgt Ion: 63 Resp: 122400

Ion Ratio Lower Upper

63 100

106 30.8 23.8 35.8

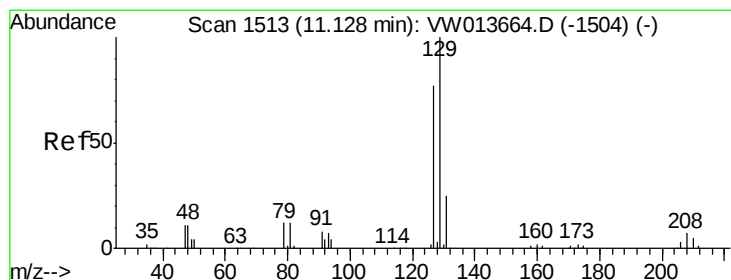
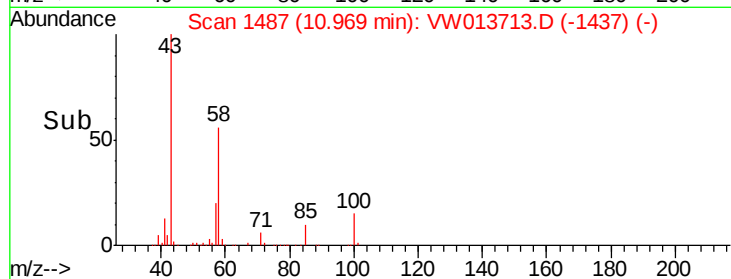
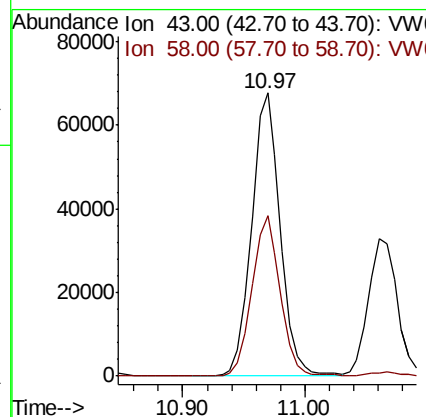
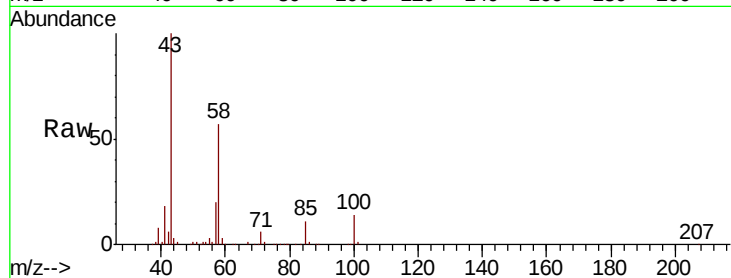




#59
2-Hexanone
Concen: 97.799 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

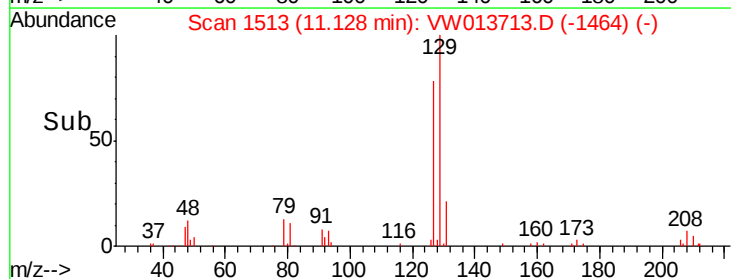
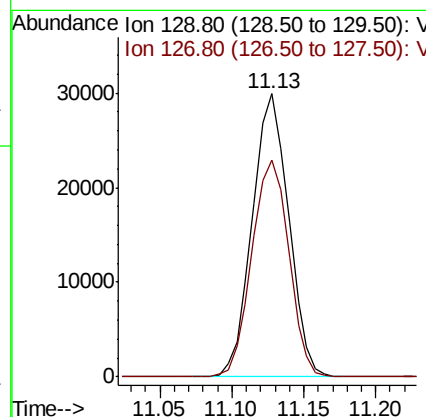
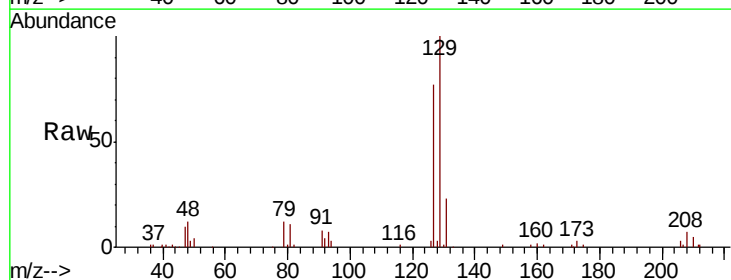
Instrument :
MSVOA_W
ClientSampleId :

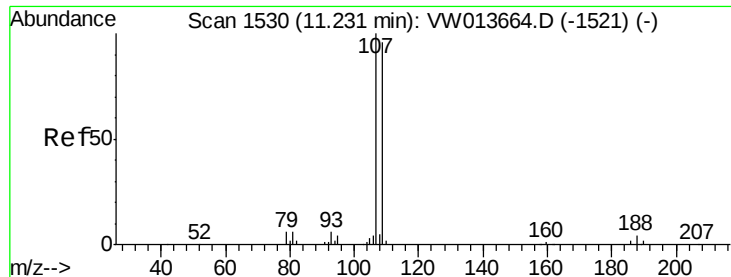
Tot Ion: 43 Resp: 109672
Ion Ratio Lower Upper
43 100
58 56.1 27.9 83.7



#60
Dibromochloromethane
Concen: 20.177 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion: 129 Resp: 52330
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7

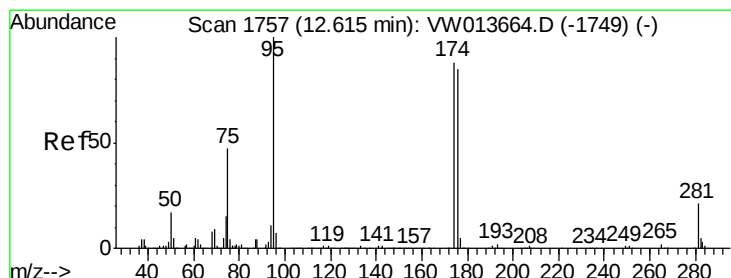
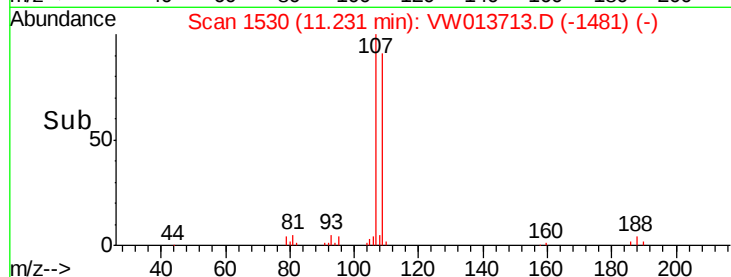
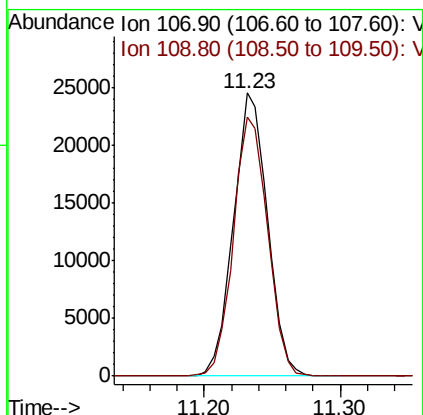
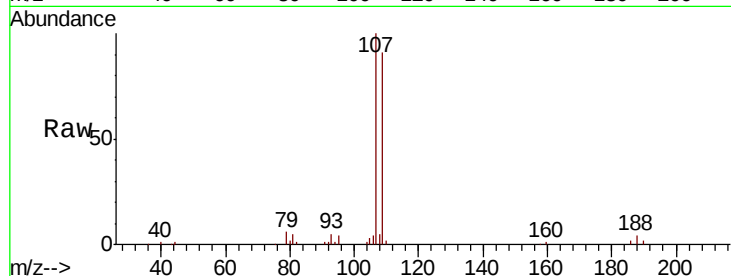




#61
 1,2-Dibromoethane
 Concen: 20.720 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

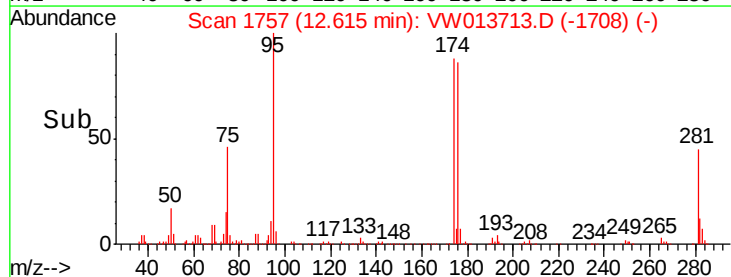
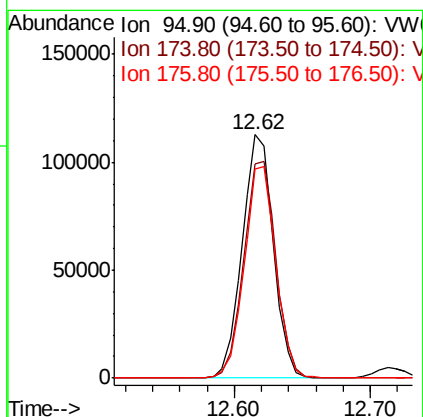
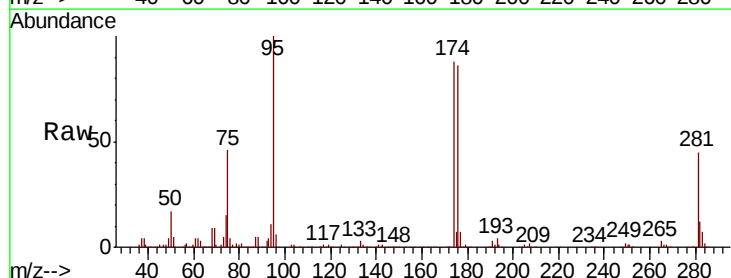
Instrument :
 MSVOA_W
 ClientSampled :

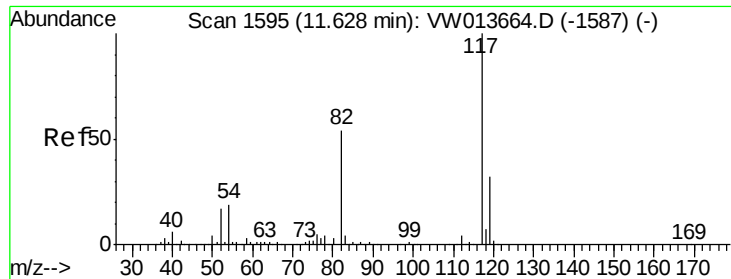
Tot Ion:107 Resp: 42821
 Ion Ratio Lower Upper
 107 100
 109 91.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.121 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion: 95 Resp: 180649
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 183.6
 176 88.1 0.0 178.0

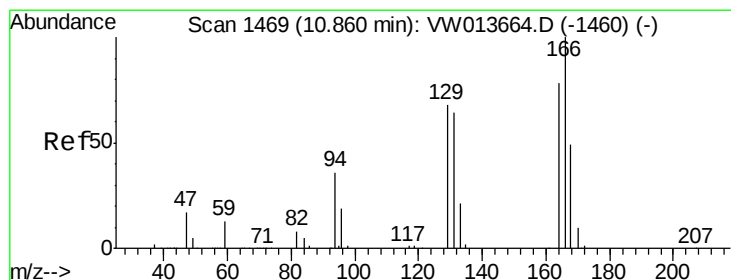
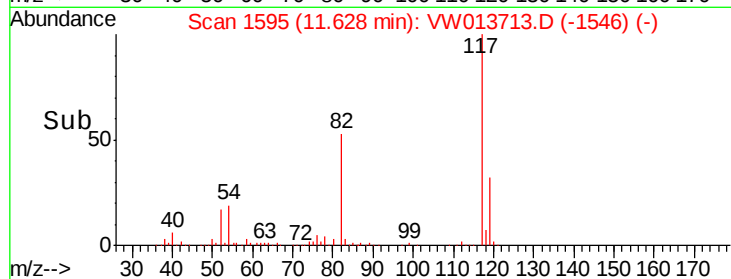
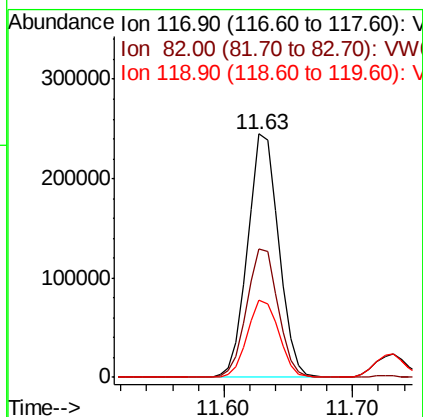
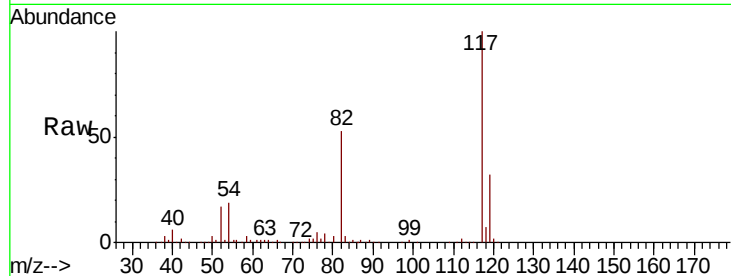




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

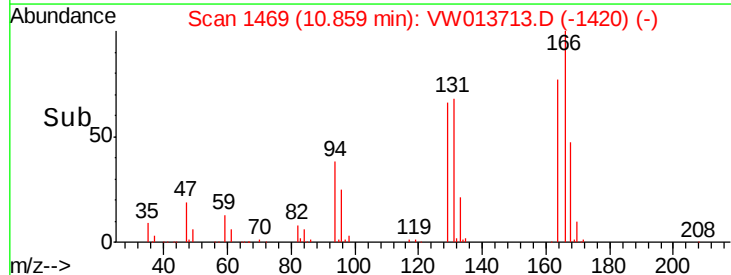
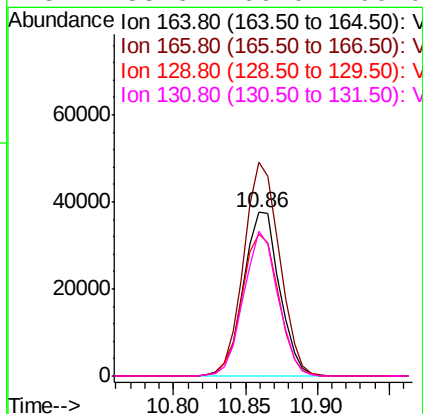
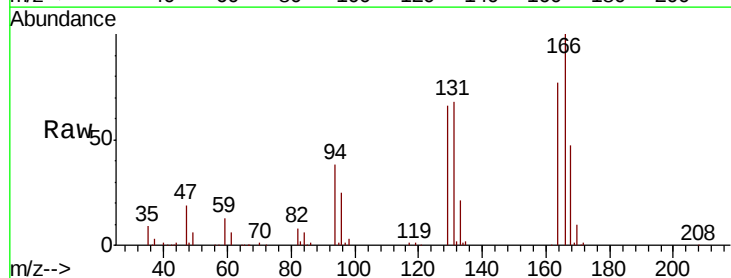
Instrument :
MSVOA_W
ClientSampleId :

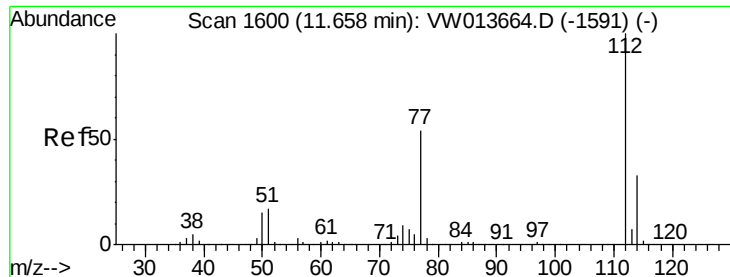
Tot Ion:117 Resp: 406054
Ion Ratio Lower Upper
117 100
82 52.7 43.6 65.4
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 21.083 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion:164 Resp: 65408
Ion Ratio Lower Upper
164 100
166 130.4 103.2 154.8
129 86.6 70.6 105.8
131 88.6 66.0 99.0

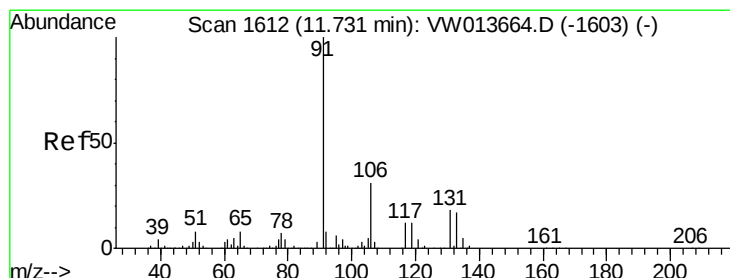
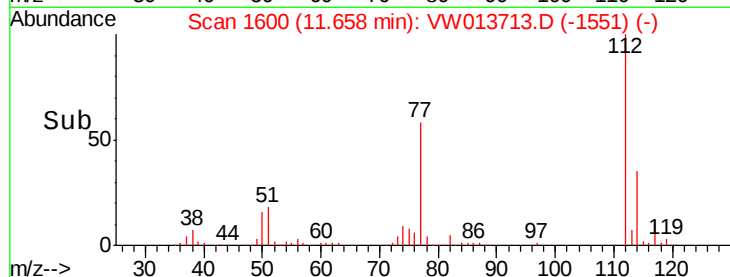
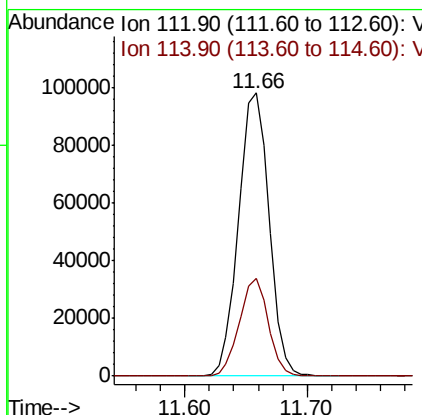
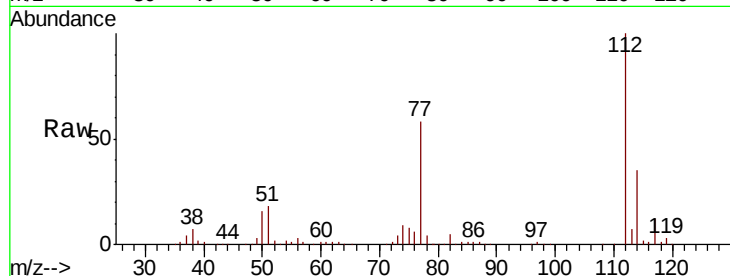




#65
Chlorobenzene
Concen: 20.414 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

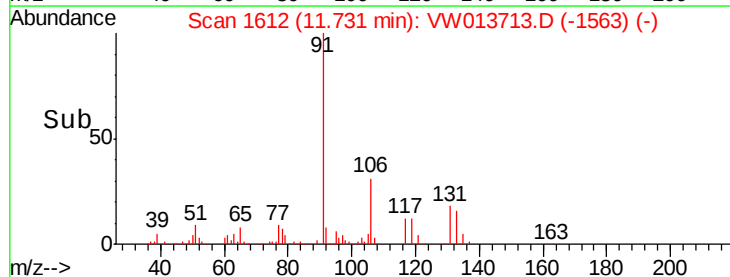
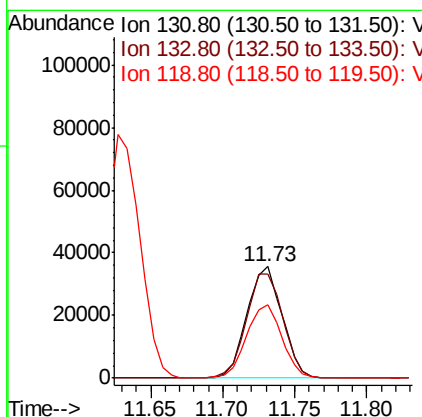
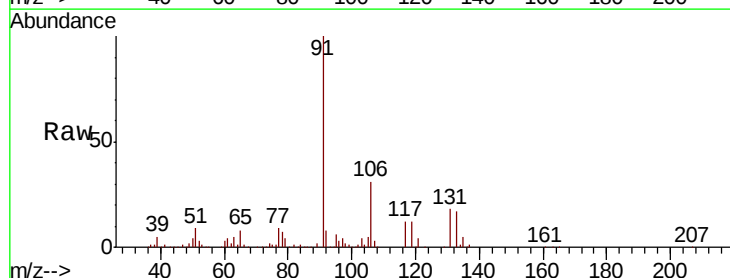
Instrument :
MSVOA_W
ClientSampled :

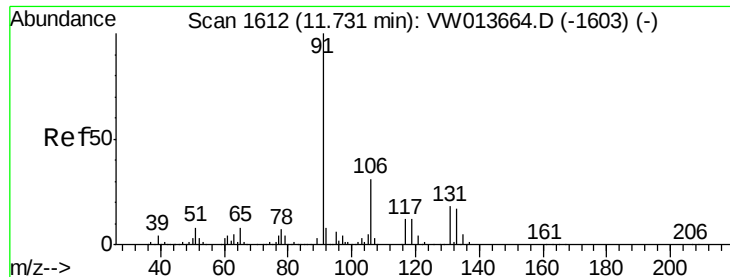
Tot Ion:112 Resp: 170337
Ion Ratio Lower Upper
112 100
114 34.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion:131 Resp: 59932
Ion Ratio Lower Upper
131 100
133 97.6 47.4 142.3
119 66.4 33.1 99.2





#67

Ethyl Benzene

Concen: 20.700 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

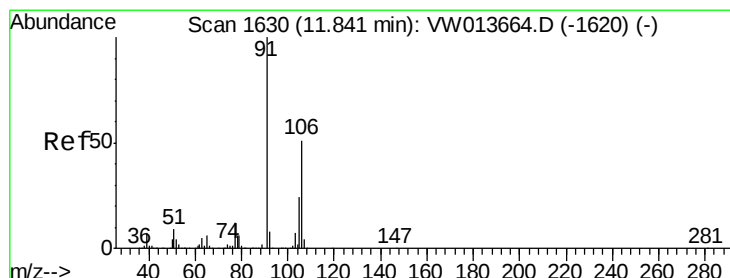
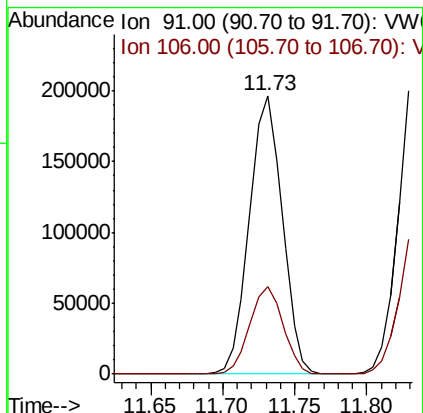
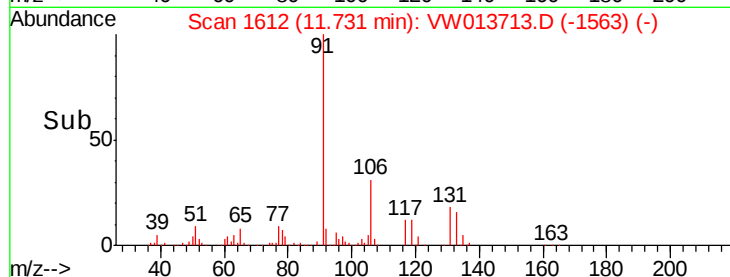
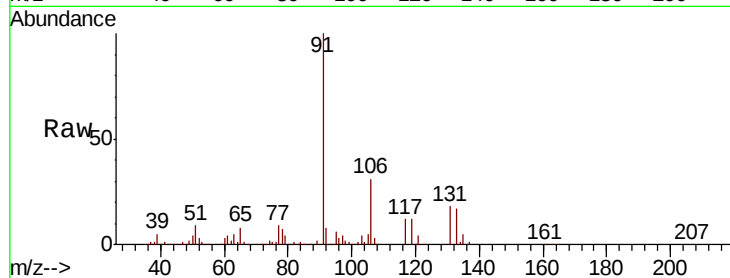
ClientSampled :

Tot Ion: 91 Resp: 311454

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.6



#68

m/p-Xylenes

Concen: 41.658 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013713.D

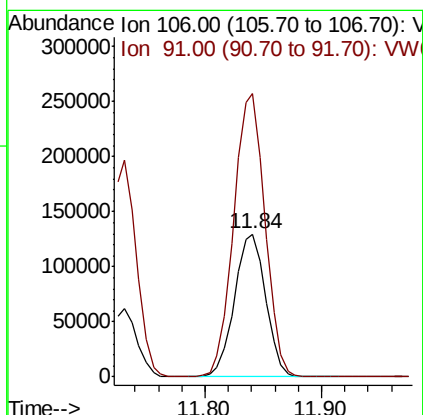
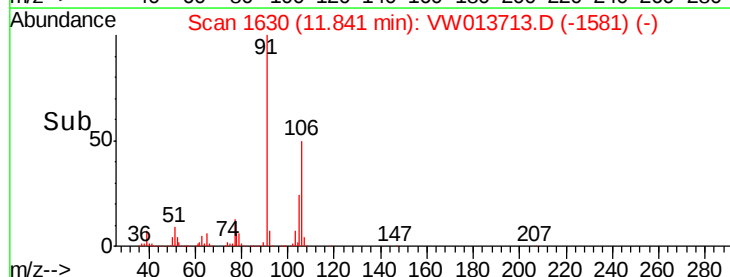
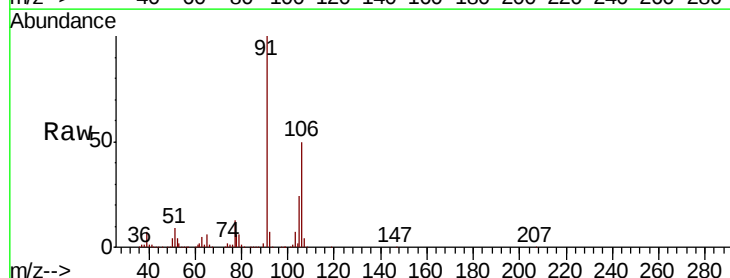
Acq: 24 Oct 2019 16:17

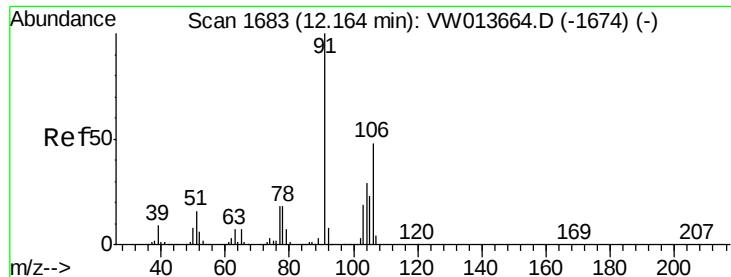
Tgt Ion: 106 Resp: 242156

Ion Ratio Lower Upper

106 100

91 199.8 159.2 238.8

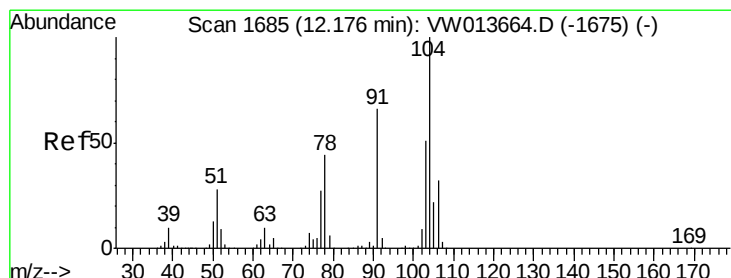
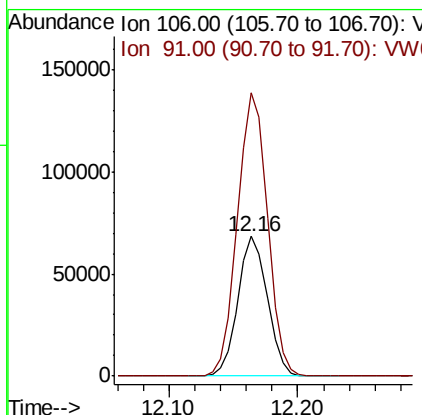
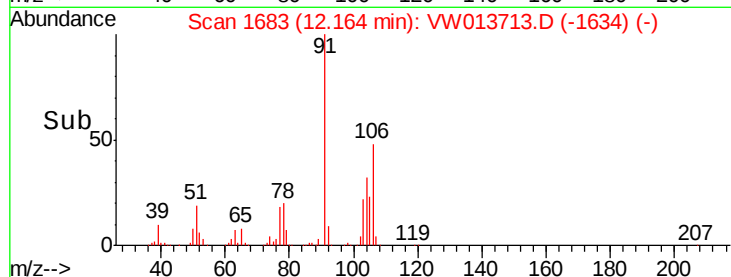
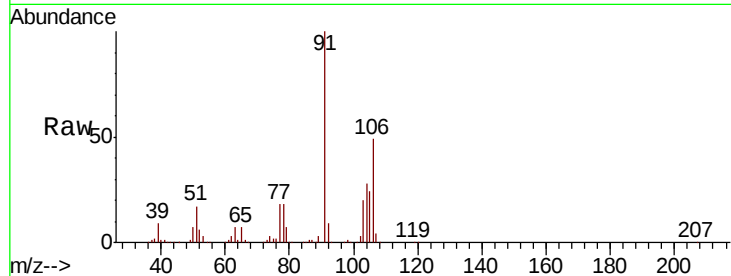




#69
o-Xylene
Concen: 20.324 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

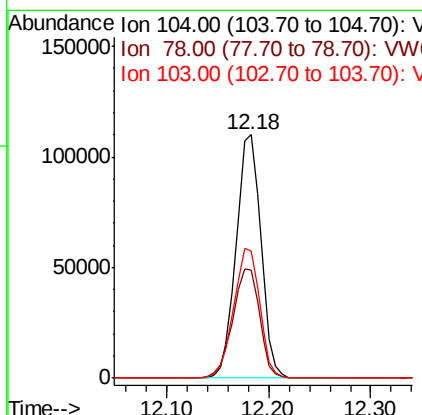
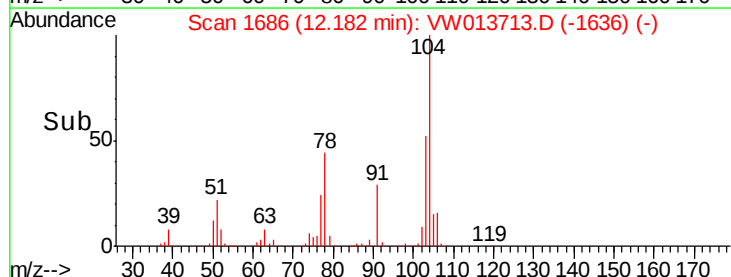
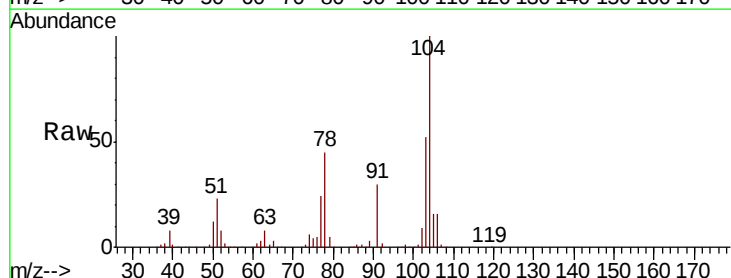
Instrument :
MSVOA_W
ClientSampleId :

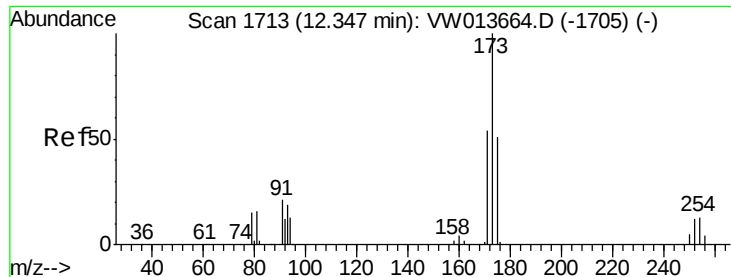
Tot Ion:106 Resp: 108593
Ion Ratio Lower Upper
106 100
91 206.1 104.9 314.7



#70
Styrene
Concen: 20.103 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion:104 Resp: 184555
Ion Ratio Lower Upper
104 100
78 49.0 37.1 55.7
103 55.9 43.6 65.4





#71

Bromoform

Concen: 20.103 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

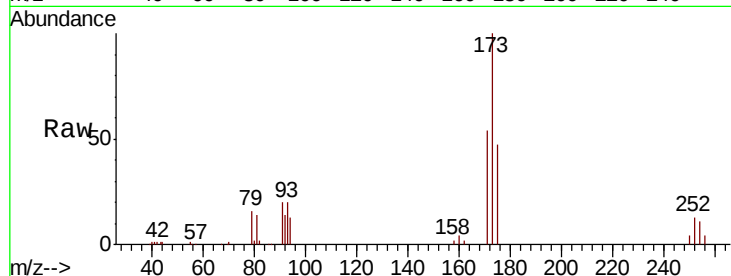
Tot Ion:173 Resp: 30721

Ion Ratio Lower Upper

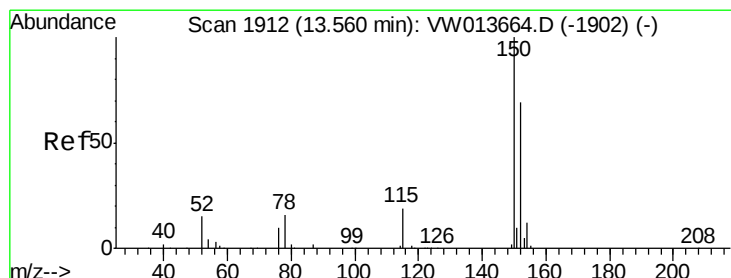
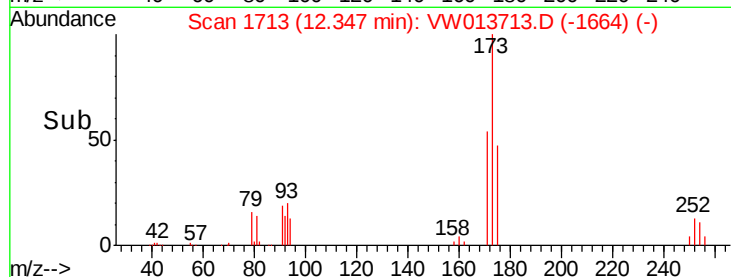
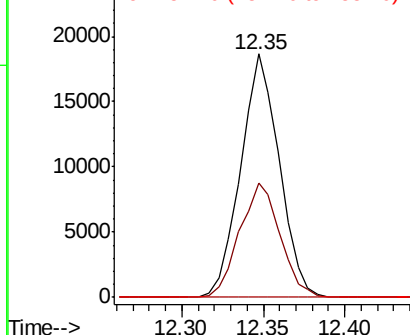
173 100

175 49.1 25.2 75.6

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

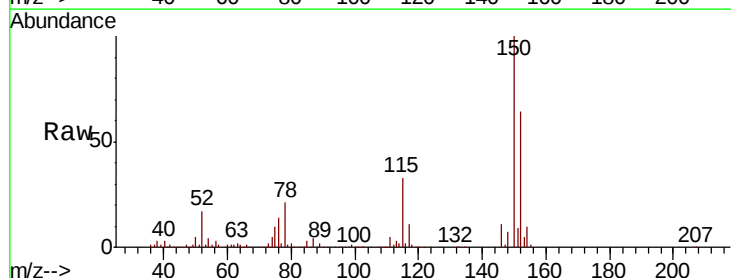
Tgt Ion:152 Resp: 209329

Ion Ratio Lower Upper

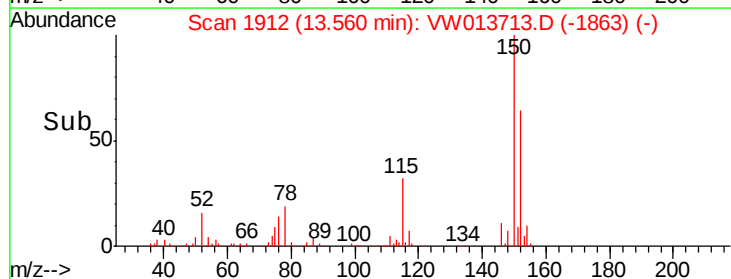
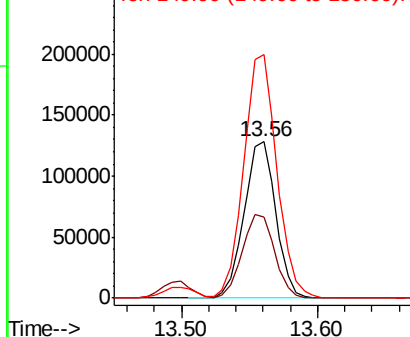
152 100

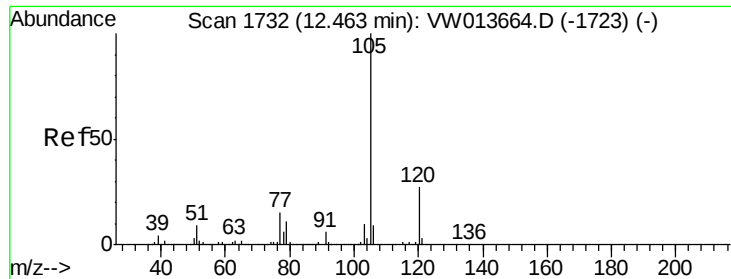
115 54.5 27.4 82.2

150 162.2 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.539 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

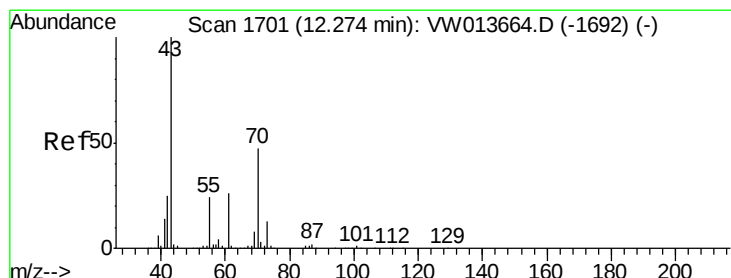
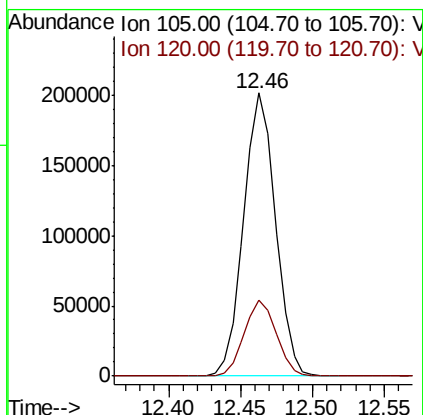
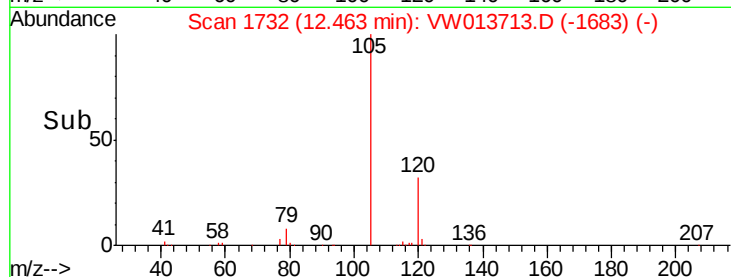
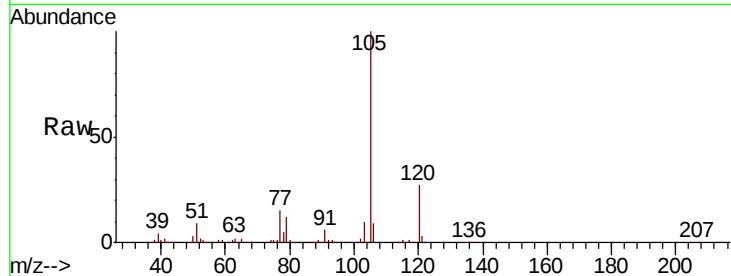
ClientSampleId :

Tot Ion:105 Resp: 308750

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#74

N-ethyl acetate

Concen: 19.813 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tgt Ion: 43 Resp: 57616

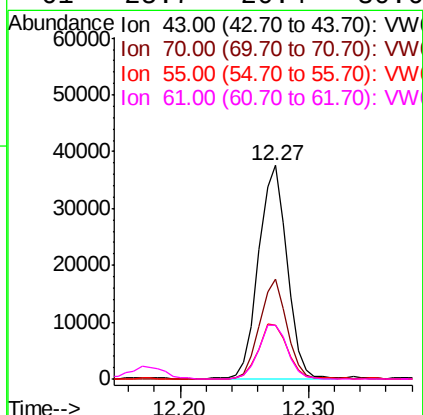
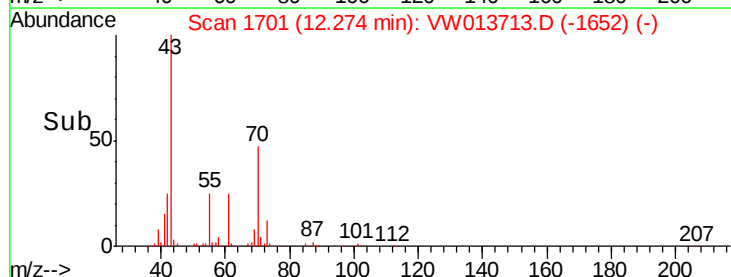
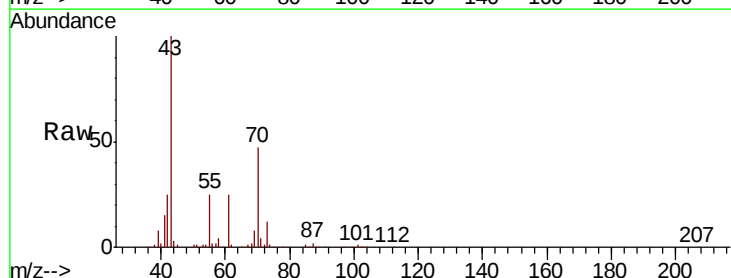
Ion Ratio Lower Upper

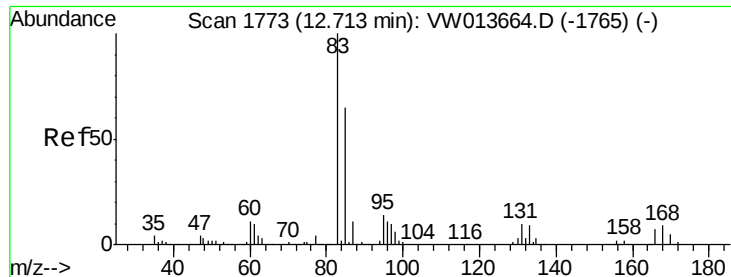
43 100

70 44.7 36.6 55.0

55 26.5 20.3 30.5

61 25.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.313 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

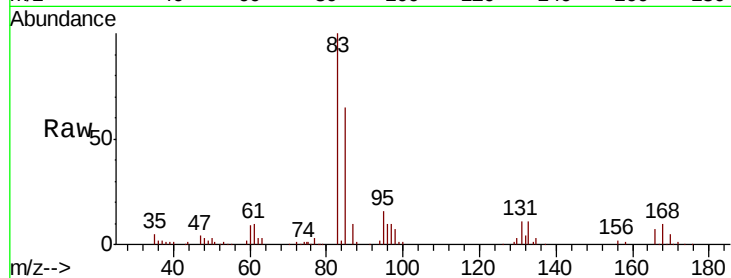
Tot Ion: 83 Resp: 48186

Ion Ratio Lower Upper

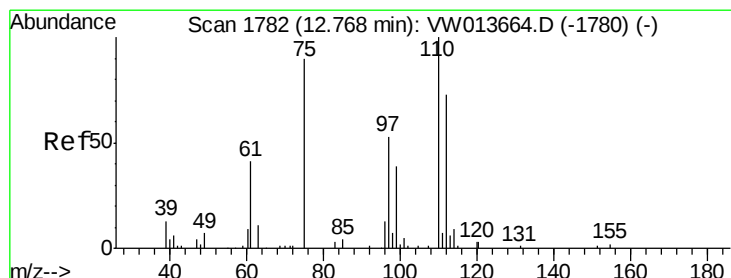
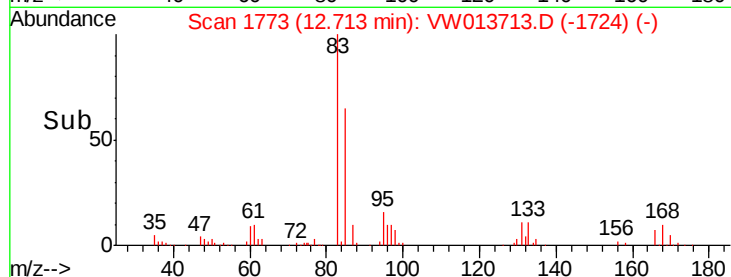
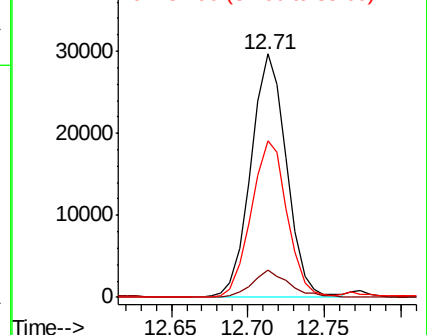
83 100

131 11.3 5.7 17.1

85 64.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.291 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013713.D

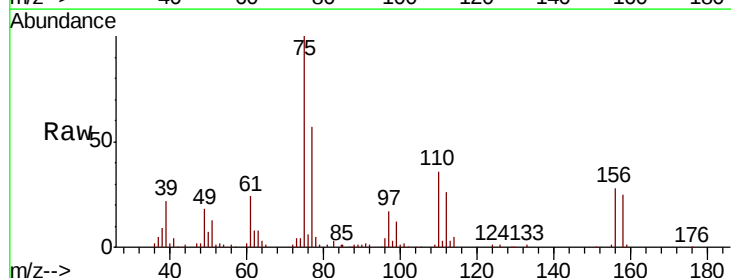
Acq: 24 Oct 2019 16:17

Tgt Ion: 75 Resp: 60568

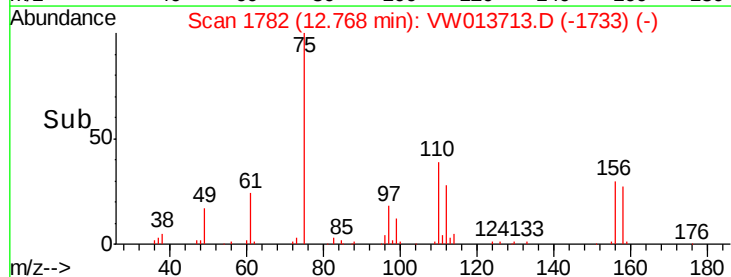
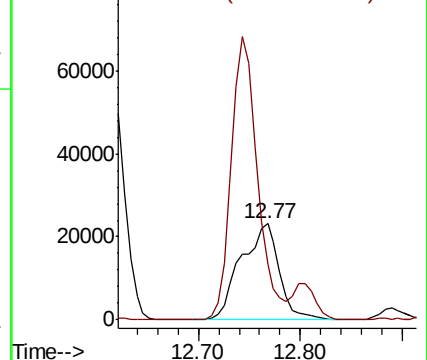
Ion Ratio Lower Upper

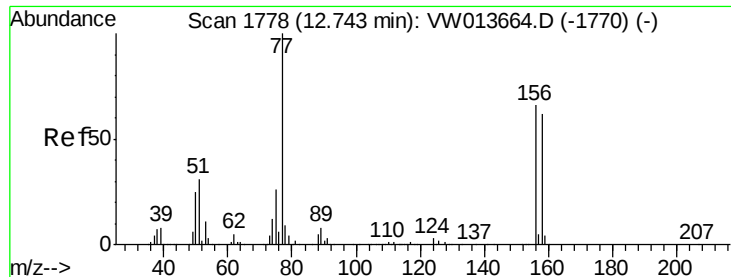
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.062 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

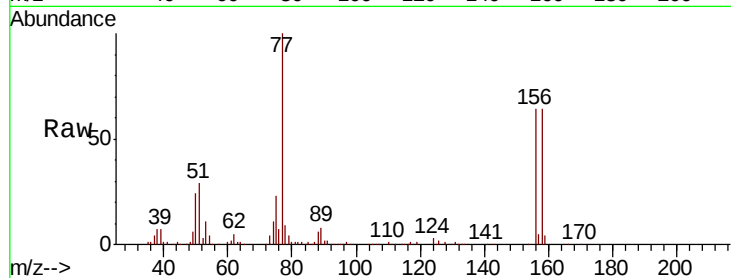
Tot Ion:156 Resp: 72046

Ion Ratio Lower Upper

156 100

77 169.3 82.9 248.7

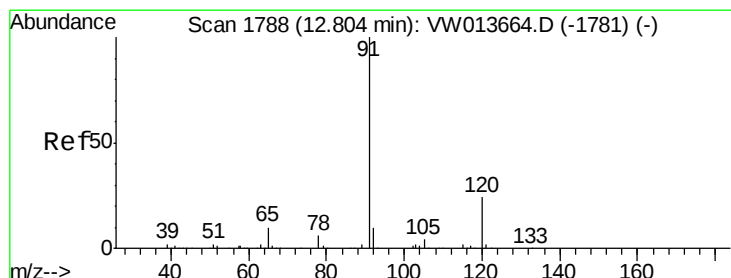
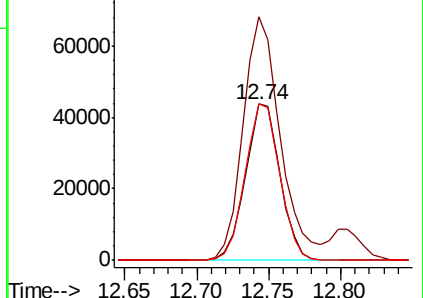
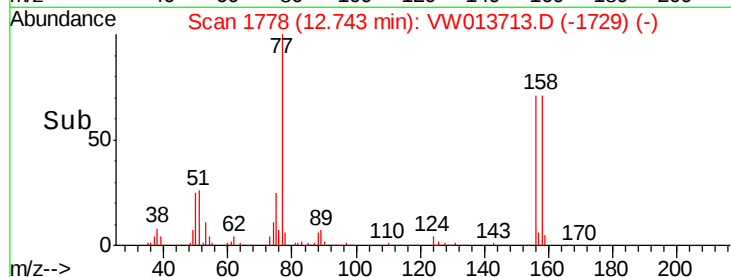
158 100.6 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.752 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013713.D

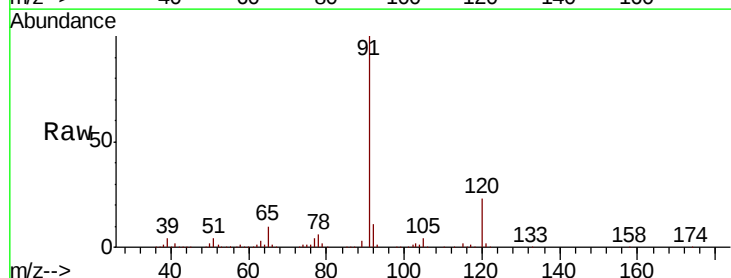
Acq: 24 Oct 2019 16:17

Tgt Ion: 91 Resp: 361080

Ion Ratio Lower Upper

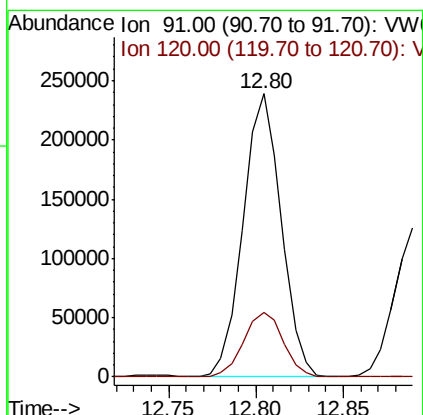
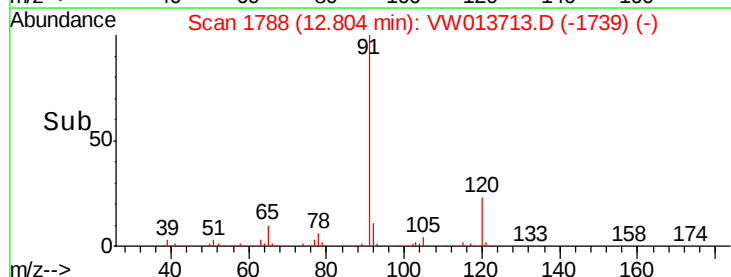
91 100

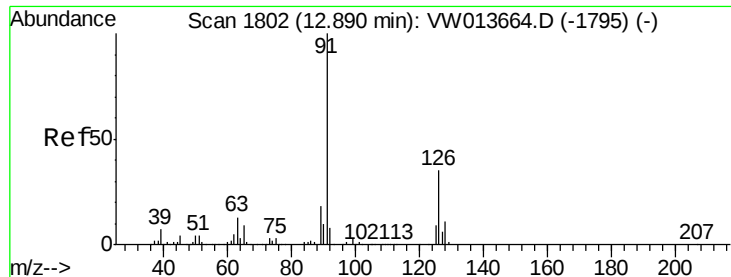
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.660 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

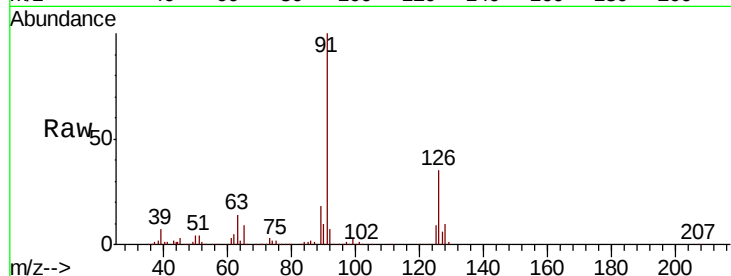
ClientSampled :

Tot Ion: 91 Resp: 202014

Ion Ratio Lower Upper

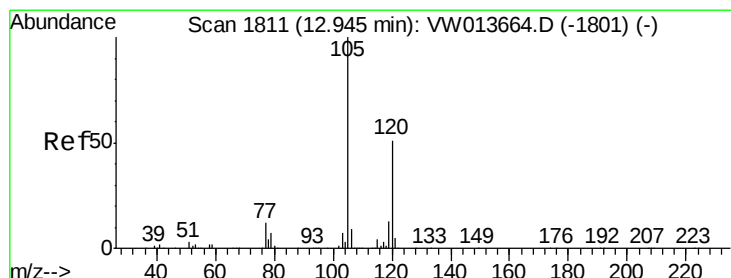
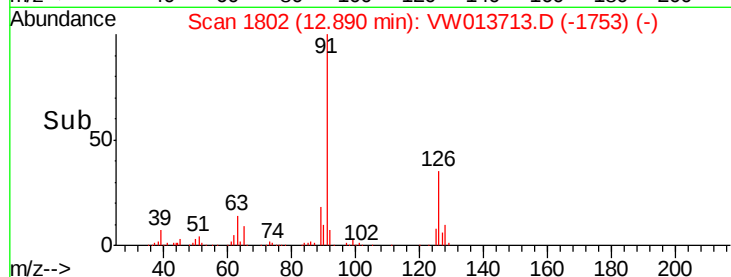
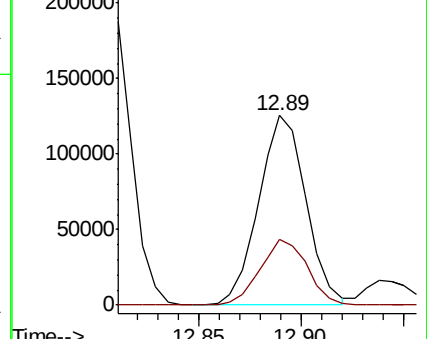
91 100

126 35.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.623 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013713.D

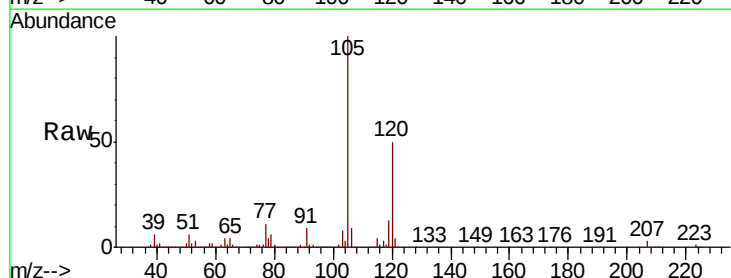
Acq: 24 Oct 2019 16:17

Tgt Ion:105 Resp: 261704

Ion Ratio Lower Upper

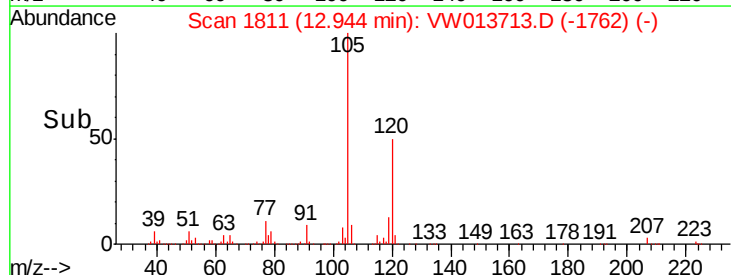
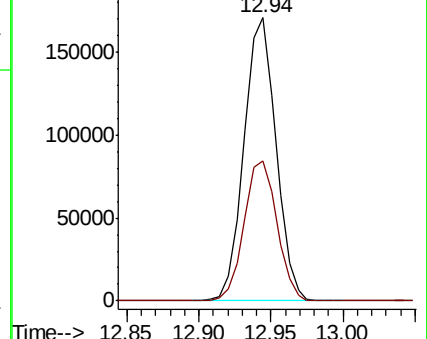
105 100

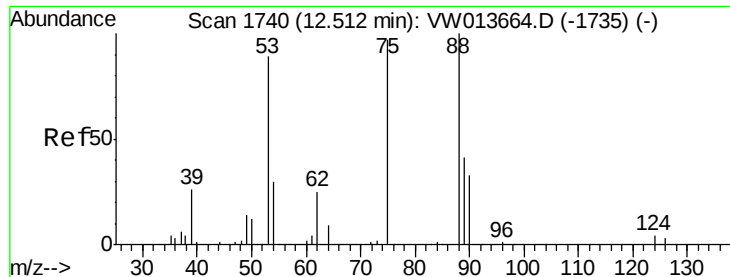
120 51.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

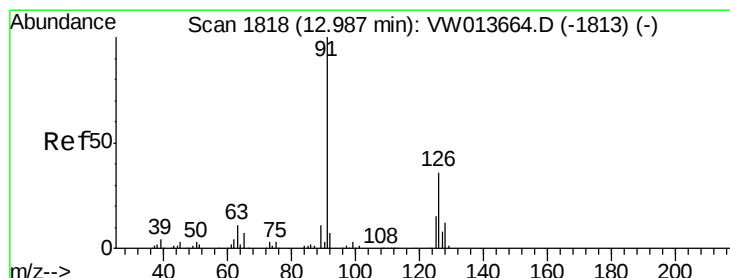
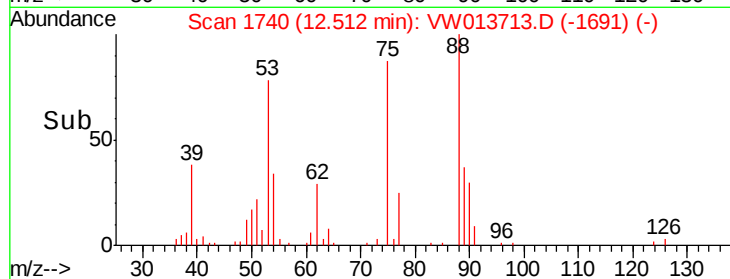
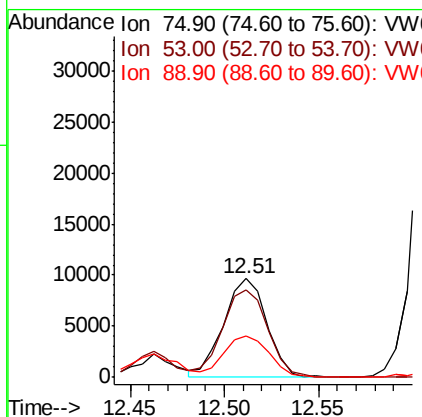
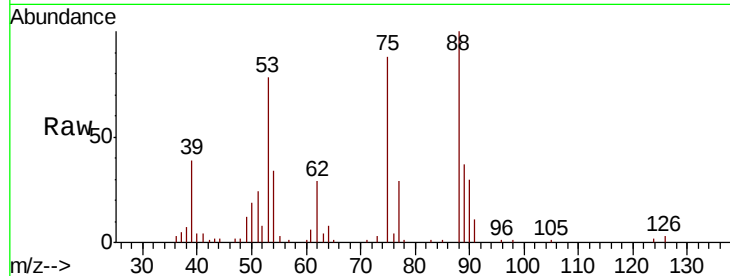




#81
trans-1,4-Dichloro-2-butene
Concen: 19.289 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

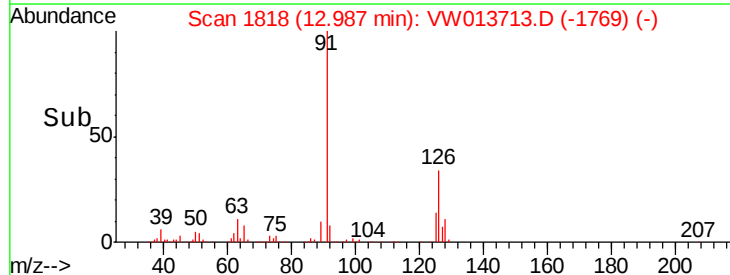
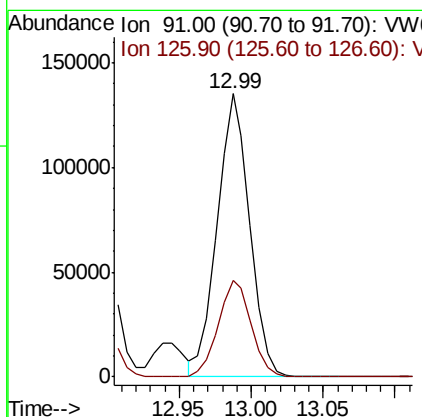
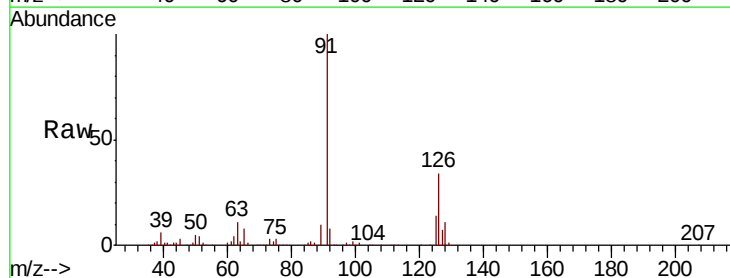
Instrument :
MSVOA_W
ClientSampleId :

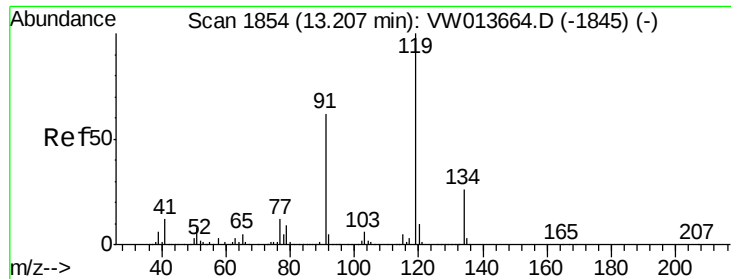
Tot Ion: 75 Resp: 15343
Ion Ratio Lower Upper
75 100
53 93.0 71.7 107.5
89 43.6 35.8 53.8



#82
4-Chlorotoluene
Concen: 20.638 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion: 91 Resp: 211855
Ion Ratio Lower Upper
91 100
126 34.6 17.2 51.5

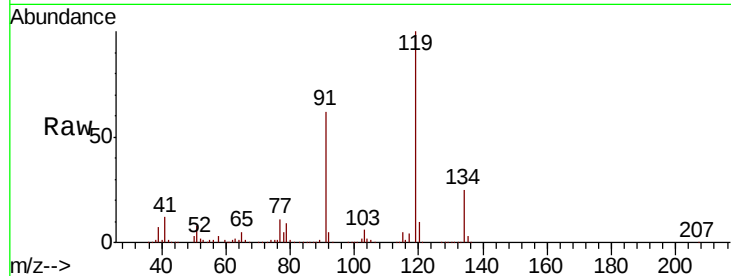




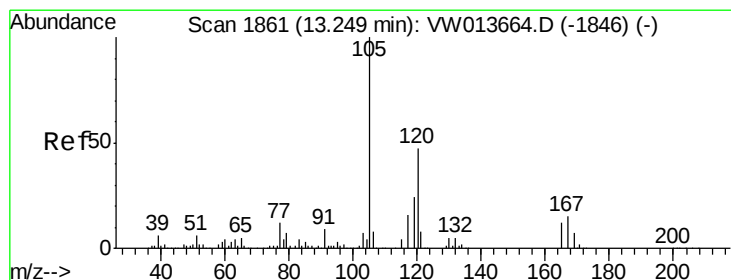
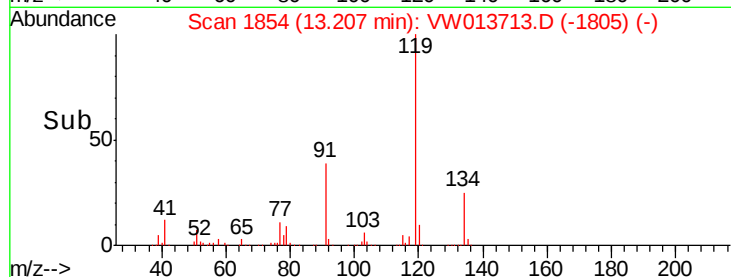
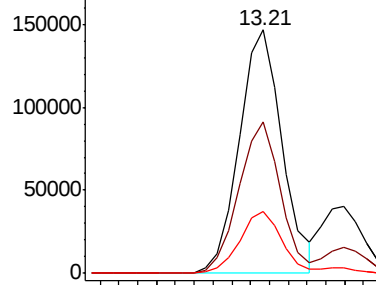
#83
tert-Butylbenzene
Concen: 20.577 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.4	91.3
134	25.1	13.6	40.8

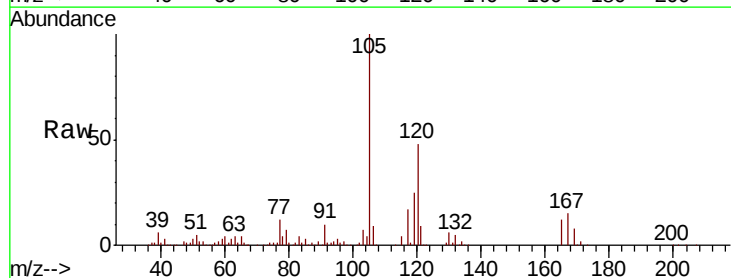


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

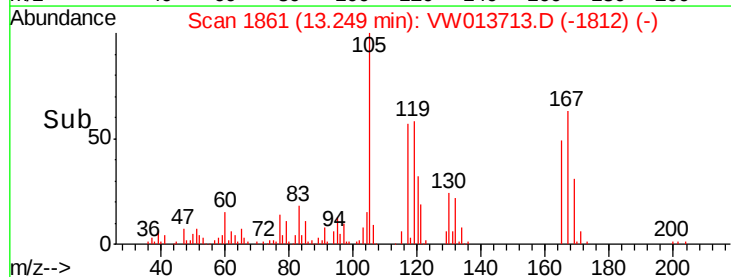
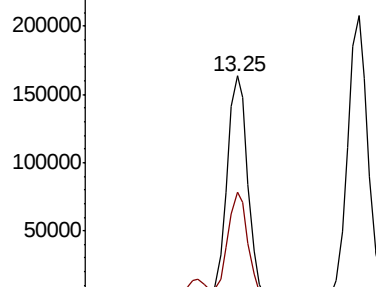


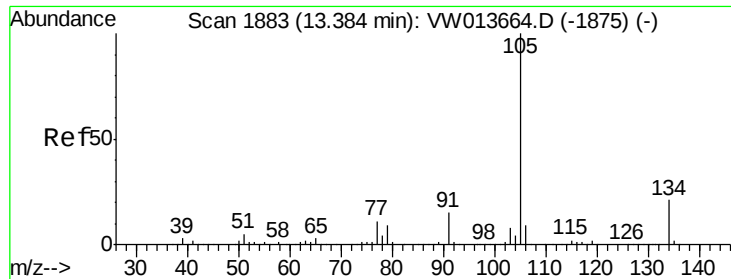
#84
1,2,4-Trimethylbenzene
Concen: 20.821 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

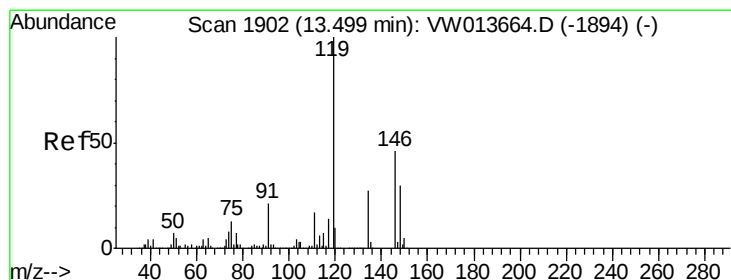
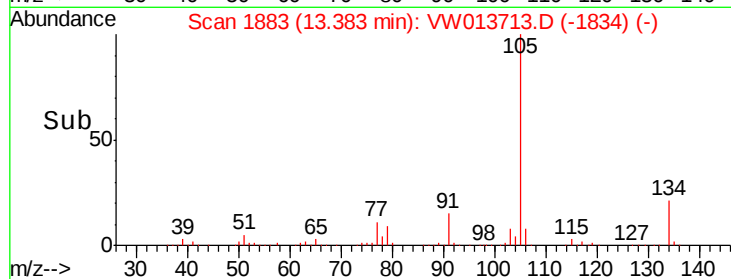
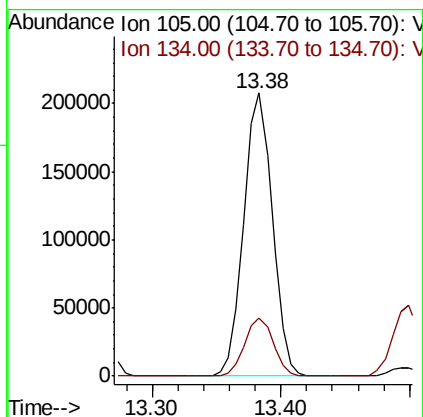
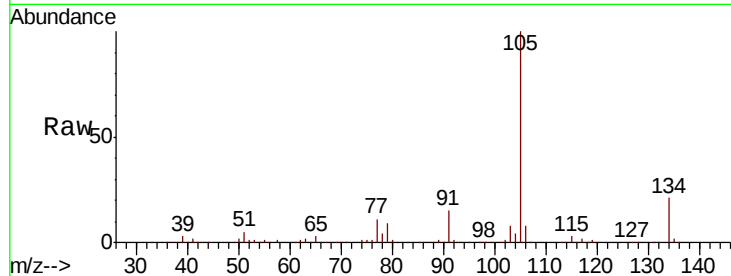




#85
 sec-Butylbenzene
 Concen: 20.664 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

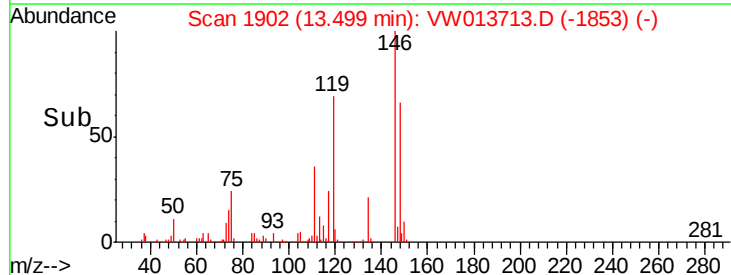
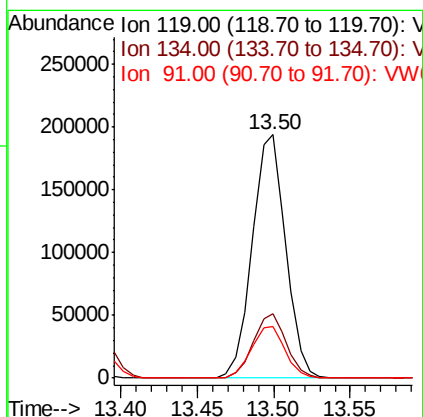
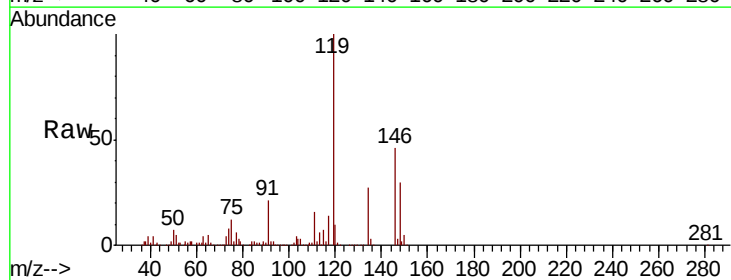
Instrument :
 MSVOA_W
 ClientSampleId :

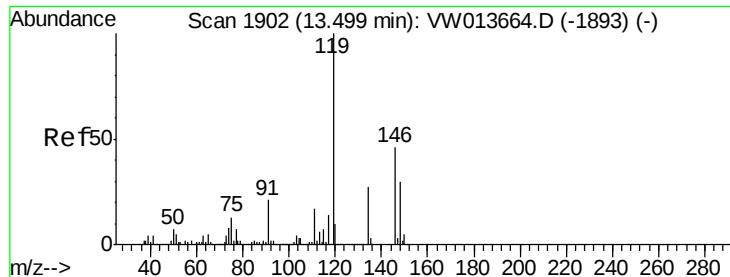
Tot Ion:105 Resp: 318292
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 20.471 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion:119 Resp: 293731
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 21.8 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 20.561 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampled :

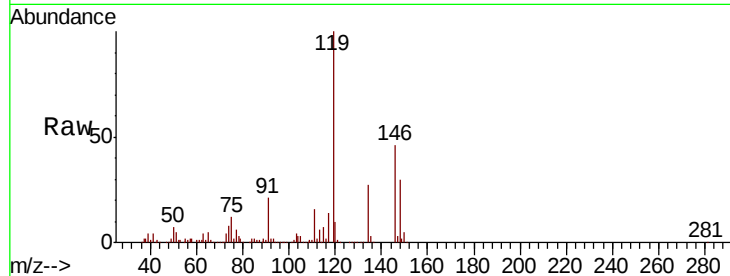
Tot Ion:146 Resp: 143057

Ion Ratio Lower Upper

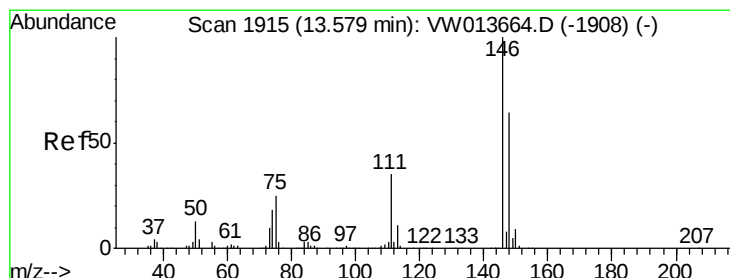
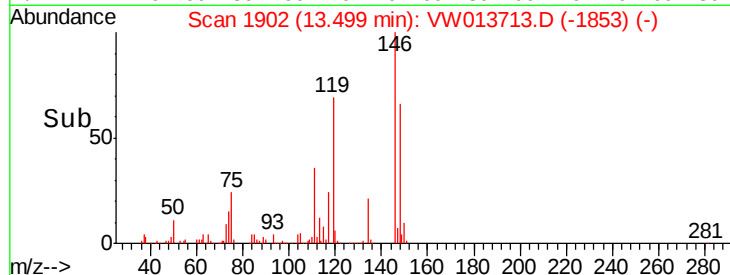
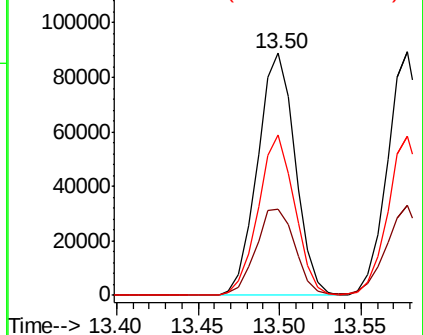
146 100

111 37.2 18.6 56.0

148 64.1 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.199 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

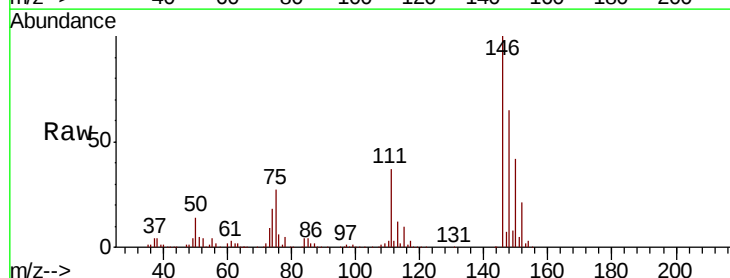
Tgt Ion:146 Resp: 139623

Ion Ratio Lower Upper

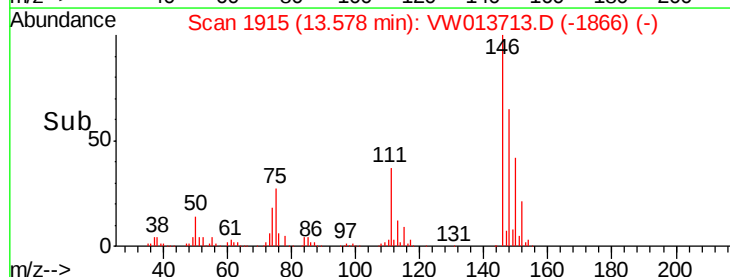
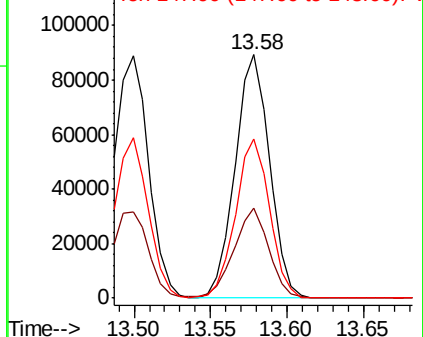
146 100

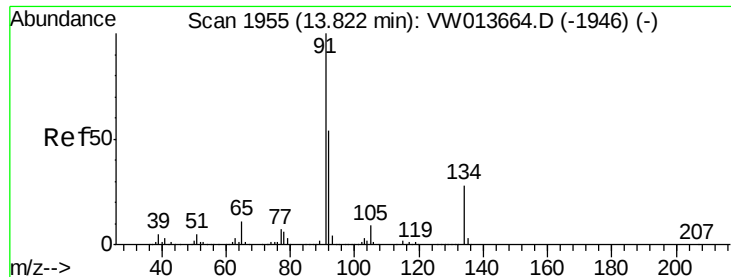
111 37.4 18.1 54.3

148 64.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.498 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampled :

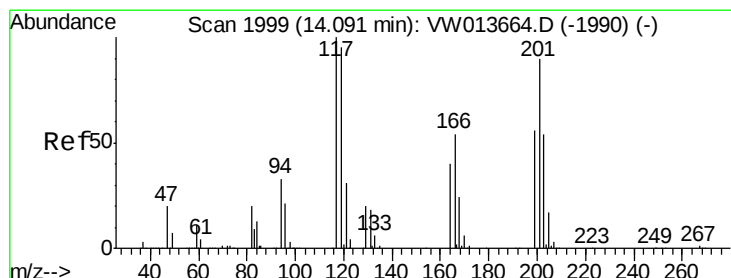
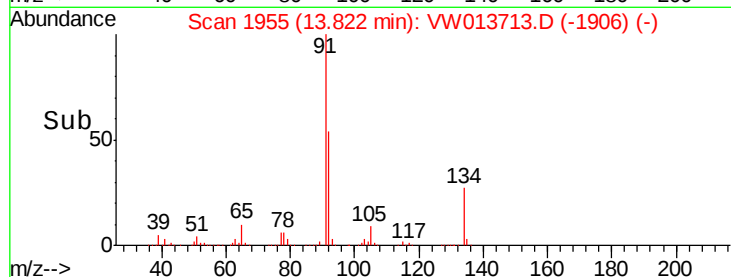
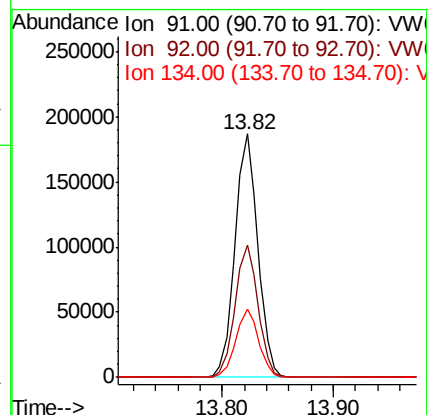
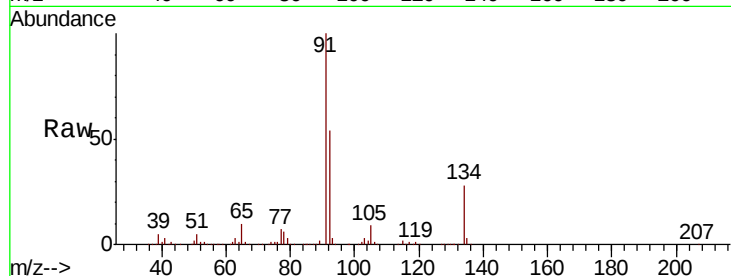
Tot Ion: 91 Resp: 265480

Ion Ratio Lower Upper

91 100

92 54.5 27.5 82.4

134 28.0 14.0 41.9



#90

Hexachloroethane

Concen: 19.987 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013713.D

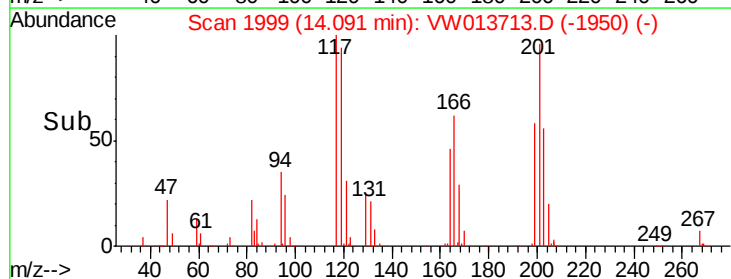
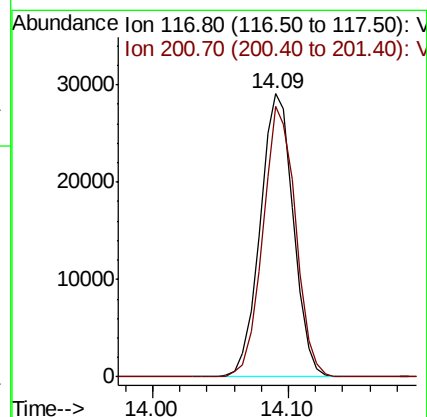
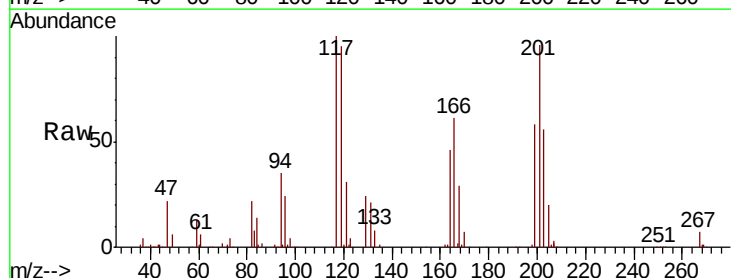
Acq: 24 Oct 2019 16:17

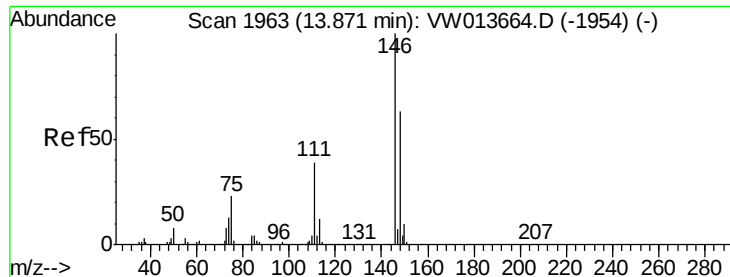
Tgt Ion: 117 Resp: 49847

Ion Ratio Lower Upper

117 100

201 93.9 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 20.466 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

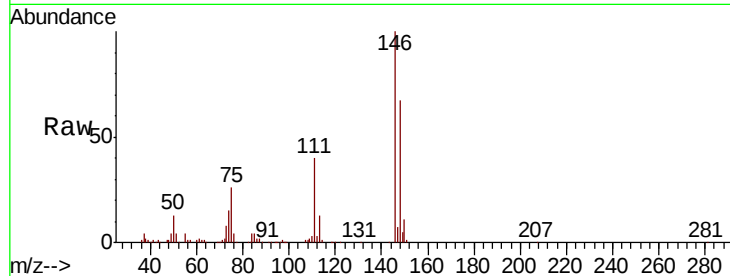
Tot Ion:146 Resp: 123471

Ion Ratio Lower Upper

146 100

111 39.5 19.9 59.6

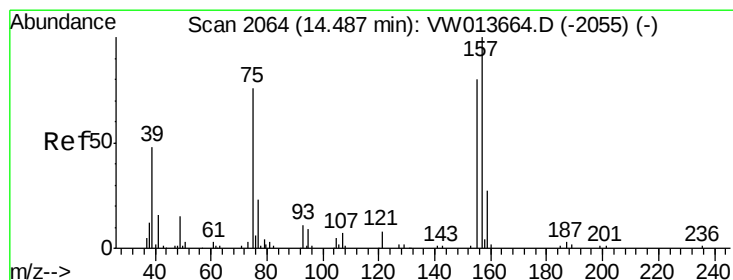
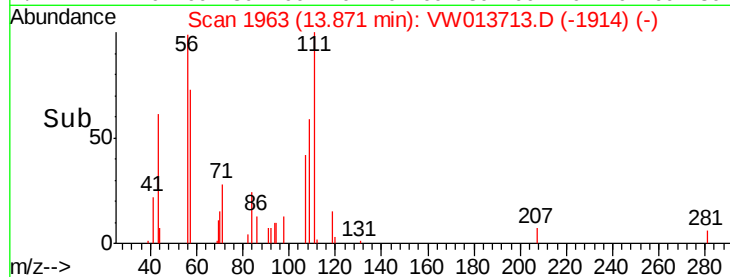
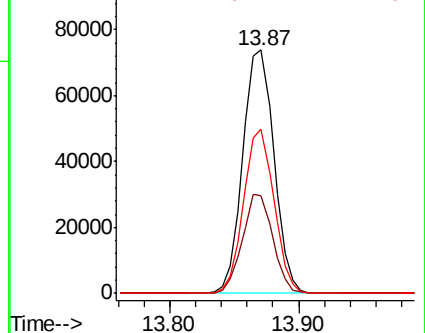
148 65.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.251 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

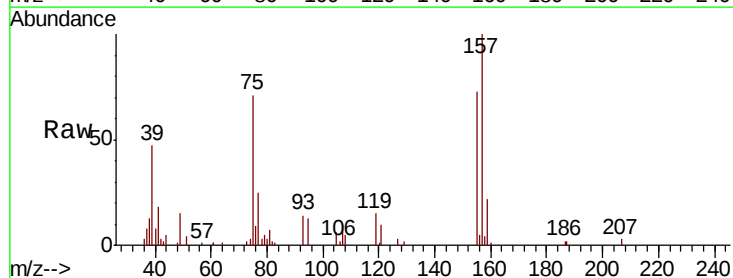
Tgt Ion: 75 Resp: 6547

Ion Ratio Lower Upper

75 100

155 104.2 51.9 155.7

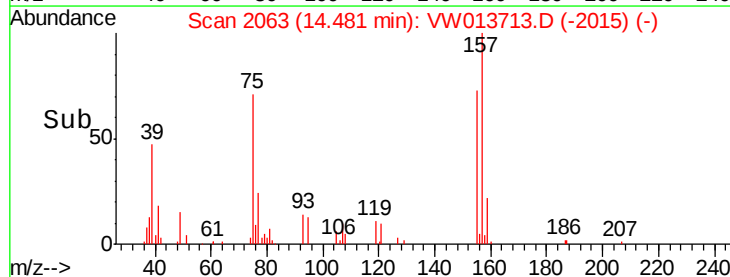
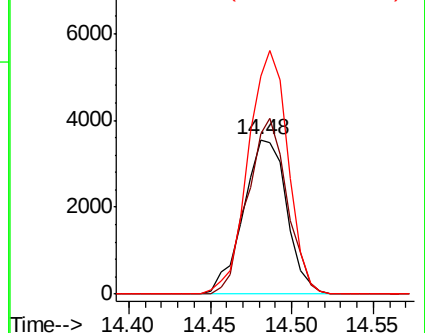
157 144.4 64.8 194.3

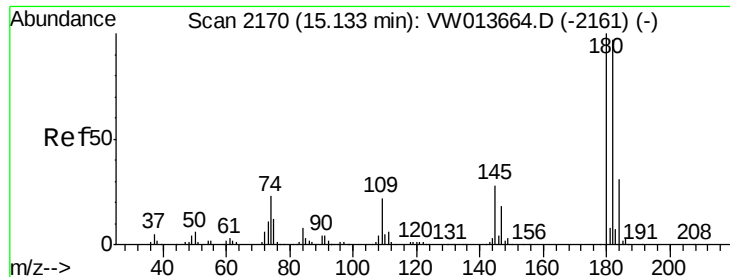


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

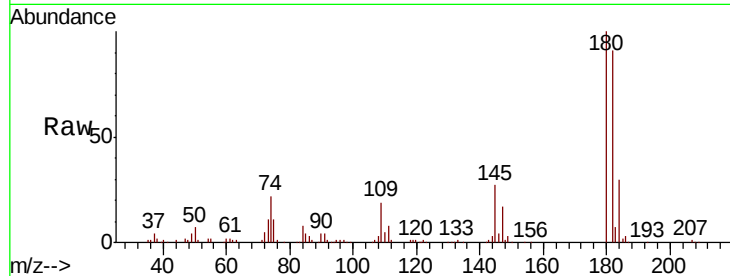




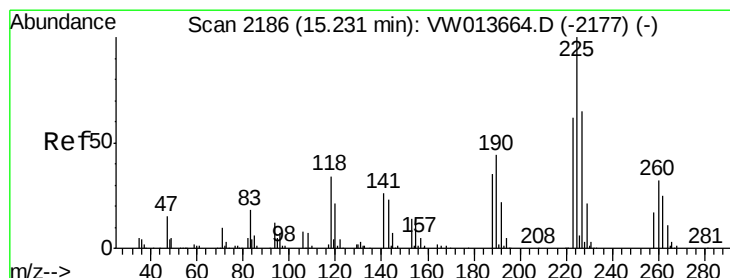
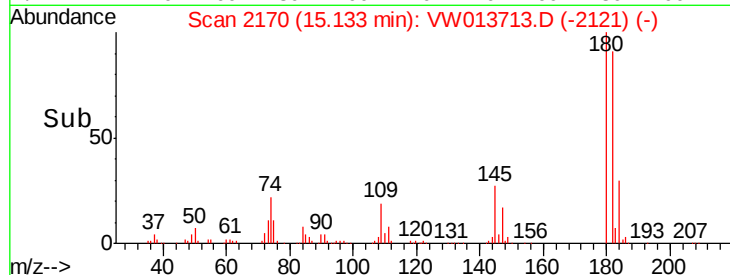
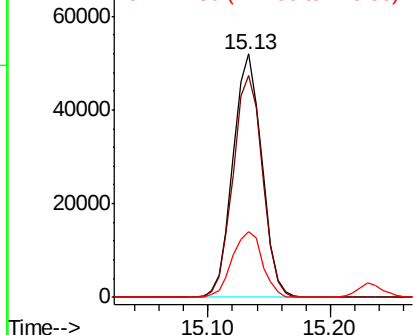
#93
1,2,4-Trichlorobenzene
Concen: 19.277 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.4	142.2
145	28.2	14.1	42.3

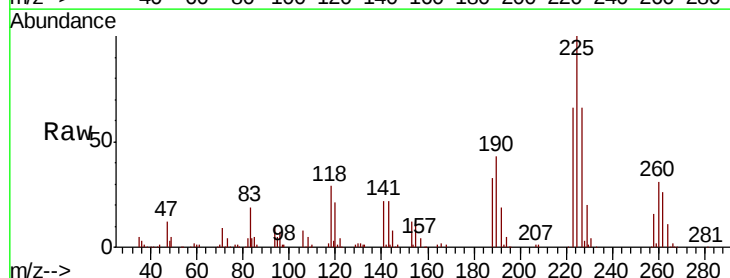


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

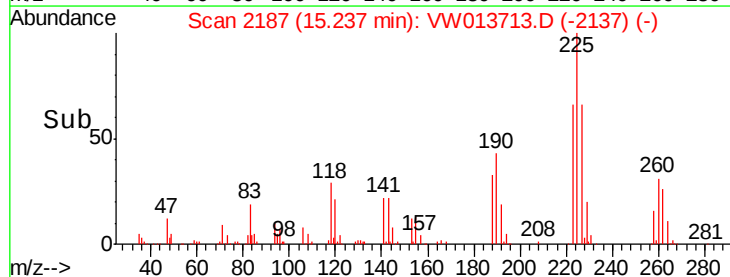
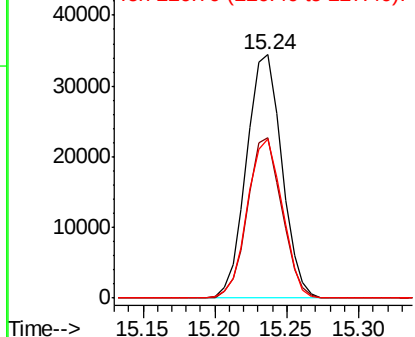


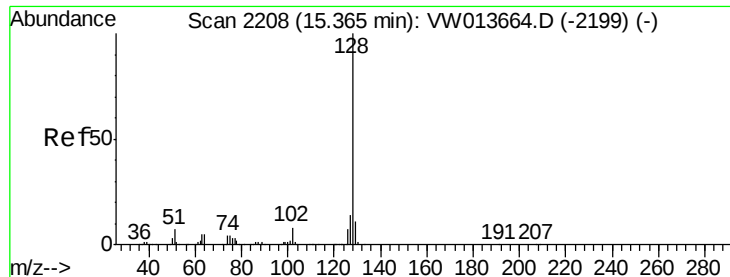
#94
Hexachlorobutadiene
Concen: 19.718 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.9
227	64.7	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.441 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

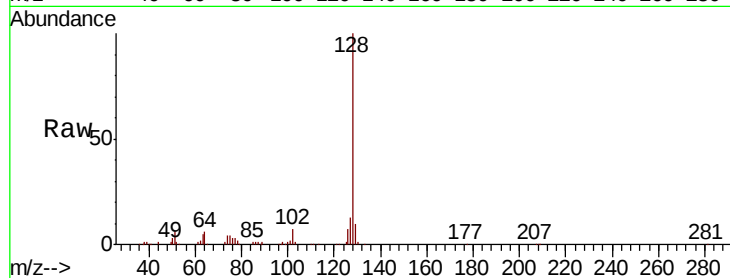
Tot Ion:128 Resp: 126945

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

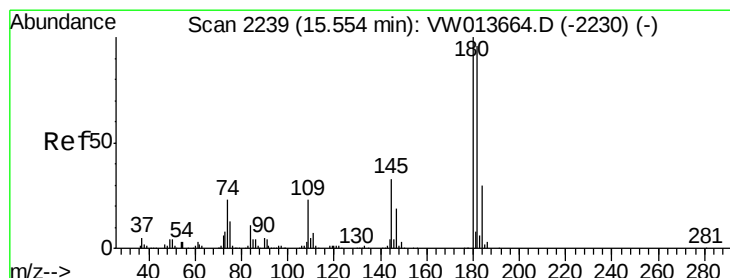
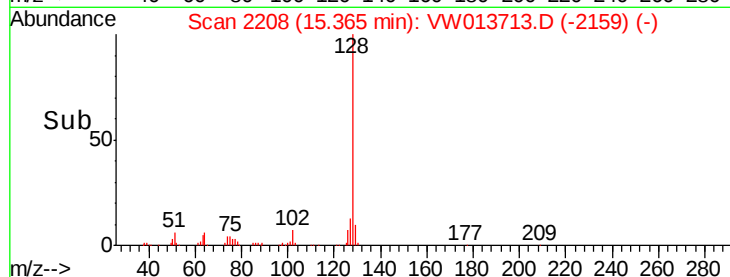
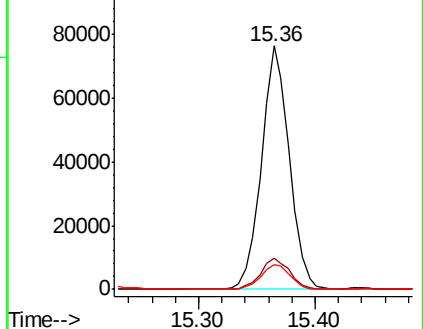
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.899 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

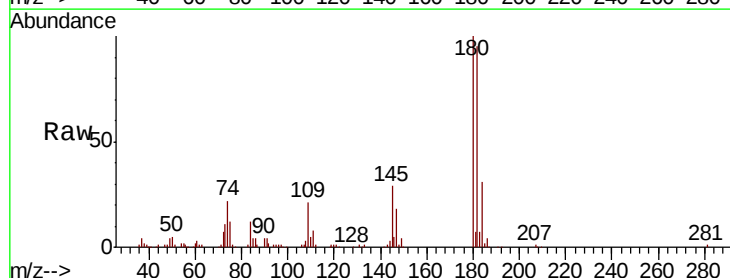
Tgt Ion:180 Resp: 71500

Ion Ratio Lower Upper

180 100

182 94.8 47.4 142.3

145 30.1 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

