

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012491.D
 Acq On : 02 Sep 2019 11:50
 Operator : SY/VA
 Sample : VW0902SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Quant Time: Sep 03 07:36:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	298431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123982	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	117465	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.88	113	94438	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.32	98	377756	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.62	95	132523	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	10003	8.537 ug/l	93
3) Chloromethane	2.21	50	17624	9.709 ug/l	97
4) Vinyl Chloride	2.36	62	18778	8.452 ug/l	95
5) Bromomethane	2.77	94	10468	9.303 ug/l	97
6) Chloroethane	2.92	64	11069	8.832 ug/l	99
7) Trichlorofluoromethane	3.26	101	11677	10.467 ug/l	99
8) Diethyl Ether	3.68	74	9662	9.124 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18860	9.946 ug/l	98
10) Methyl Iodide	4.27	142	23928	9.326 ug/l	97
11) Tert butyl alcohol	5.16	59	7135	52.414 ug/l	94
12) 1,1-Dichloroethene	4.04	96	17695	9.271 ug/l	97
13) Acrolein	3.90	56	9568	74.668 ug/l	97
14) Allyl chloride	4.67	41	38216	9.366 ug/l	98
15) Acrylonitrile	5.37	53	24495	46.668 ug/l	98
16) Acetone	4.12	43	26590	45.986 ug/l	96
17) Carbon Disulfide	4.38	76	43777	7.589 ug/l	96
18) Methyl Acetate	4.67	43	13432	9.379 ug/l	99
19) Methyl tert-butyl Ether	5.43	73	31399	10.173 ug/l	99
20) Methylene Chloride	4.92	84	22294	10.199 ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	18879	9.224 ug/l	98
22) Diisopropyl ether	6.31	45	74037	9.789 ug/l	99
23) Vinyl Acetate	6.25	43	204645	43.966 ug/l	100
24) 1,1-Dichloroethane	6.21	63	40165	9.753 ug/l	100
25) 2-Butanone	7.17	43	34415	43.800 ug/l	99
26) 2,2-Dichloropropane	7.17	77	25009	10.729 ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	21179	9.685 ug/l	99
28) Bromochloromethane	7.51	49	36513	20.343 ug/l #	95
29) Tetrahydrofuran	7.52	42	20335	43.137 ug/l	98
30) Chloroform	7.68	83	38919	10.330 ug/l	96
31) Cyclohexane	7.95	56	38333	9.408 ug/l #	88
32) 1,1,1-Trichloroethane	7.88	97	30872	10.358 ug/l	98
36) 1,1-Dichloropropene	8.09	75	30098	9.760 ug/l	100
37) Ethyl Acetate	7.25	43	15393	9.109 ug/l	96
38) Carbon Tetrachloride	8.07	117	27708	10.381 ug/l	95

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Quant Time: Sep 03 07:36:51 2019
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 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31516	9.097	ug/l	98
40) Benzene	8.32	78	82873	9.841	ug/l	96
41) Methacrylonitrile	7.48	41	10089	10.158	ug/l	96
42) 1,2-Dichloroethane	8.40	62	27101	10.269	ug/l	99
43) Isopropyl Acetate	8.43	43	28026	8.953	ug/l	97
44) Trichloroethene	9.09	130	20660	10.092	ug/l	92
45) 1,2-Dichloropropane	9.37	63	22180	9.787	ug/l	99
46) Dibromomethane	9.46	93	9971	9.888	ug/l	99
47) Bromodichloromethane	9.64	83	26768	9.974	ug/l	93
48) Methyl methacrylate	9.43	41	13400	8.994	ug/l	94
49) 1,4-Dioxane	9.45	88	3274	212.091	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	72581	45.586	ug/l	99
52) Toluene	10.38	92	50780	10.038	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	25802	9.439	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	31521	9.550	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13815	9.683	ug/l	97
56) Ethyl methacrylate	10.65	69	18885	9.095	ug/l	99
57) 1,3-Dichloropropane	10.93	76	26456	9.813	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	105416	98.920	ug/l	99
59) 2-Hexanone	10.97	43	49758	44.168	ug/l	99
60) Dibromochloromethane	11.13	129	15598	9.816	ug/l	97
61) 1,2-Dibromoethane	11.23	107	12764	9.603	ug/l	96
64) Tetrachloroethene	10.86	164	16533	10.033	ug/l	96
65) Chlorobenzene	11.66	112	51656	10.322	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	17980	10.298	ug/l	98
67) Ethyl Benzene	11.73	91	97481	10.111	ug/l	99
68) m/p-Xylenes	11.83	106	70427	20.280	ug/l	99
69) o-Xylene	12.16	106	32020	9.962	ug/l	97
70) Styrene	12.18	104	55543	9.984	ug/l	98
71) Bromoform	12.35	173	8814	10.133	ug/l #	99
73) Isopropylbenzene	12.46	105	92844	9.994	ug/l	99
74) N-amyl acetate	12.27	43	25656	9.141	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	16289	9.564	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	21803	18.056	ug/l #	100
77) Bromobenzene	12.74	156	20207	10.054	ug/l	99
78) n-propylbenzene	12.80	91	113756	10.030	ug/l	100
79) 2-Chlorotoluene	12.89	91	65729	10.208	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	78020	10.050	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	4840	8.788	ug/l	93
82) 4-Chlorotoluene	12.99	91	69754	10.346	ug/l	99
83) tert-Butylbenzene	13.21	119	67198	10.219	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	79040	10.136	ug/l	99
85) sec-Butylbenzene	13.38	105	95296	10.115	ug/l	100
86) p-Isopropyltoluene	13.50	119	85515	10.164	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39855	10.138	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39485	10.116	ug/l	96
89) n-Butylbenzene	13.82	91	82121	9.815	ug/l	100
90) Hexachloroethane	14.09	117	14532	9.845	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	37113	10.762	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2599	9.052	ug/l	98

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	23339	9.793	ug/l	99
94) Hexachlorobutadiene	15.23	225	16136	10.254	ug/l	95
95) Naphthalene	15.36	128	36205	11.394	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	20642	9.927	ug/l	96

(#) = 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: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

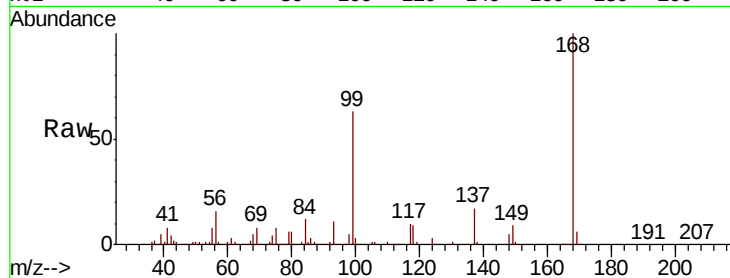
VW0902SBSD01

Tgt Ion:168 Resp: 190286

Ion Ratio Lower Upper

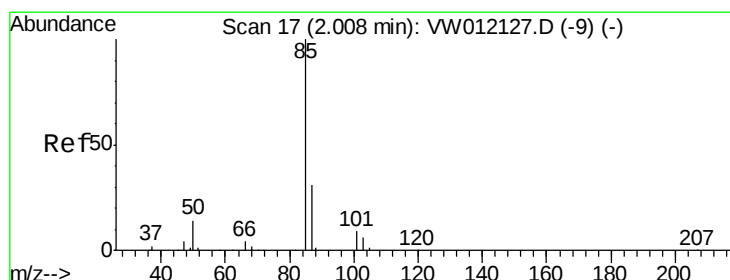
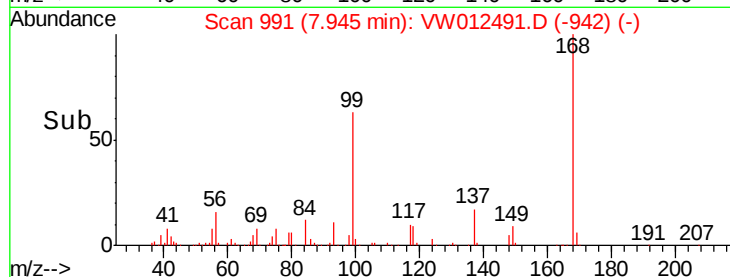
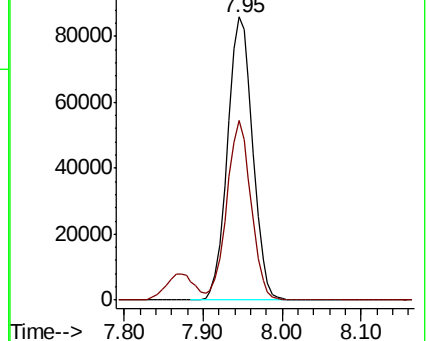
168 100

99 63.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 8.537 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012491.D

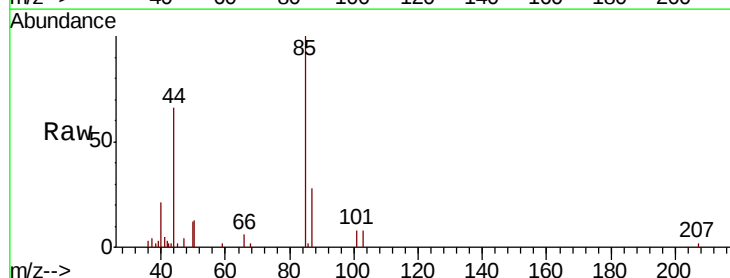
Acq: 02 Sep 2019 11:50

Tgt Ion: 85 Resp: 10003

Ion Ratio Lower Upper

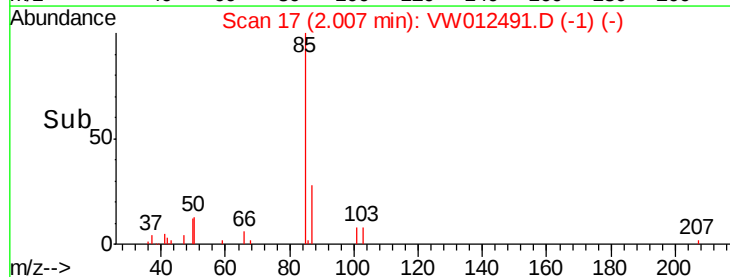
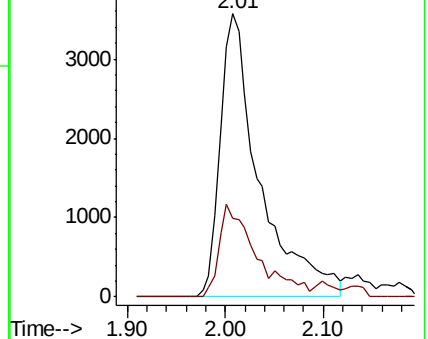
85 100

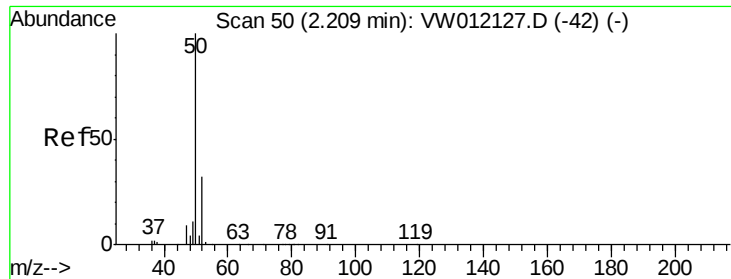
87 27.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 9.709 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

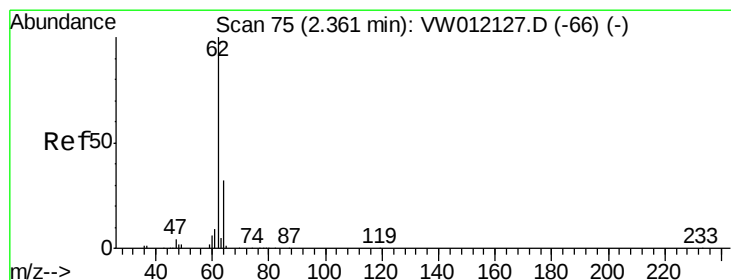
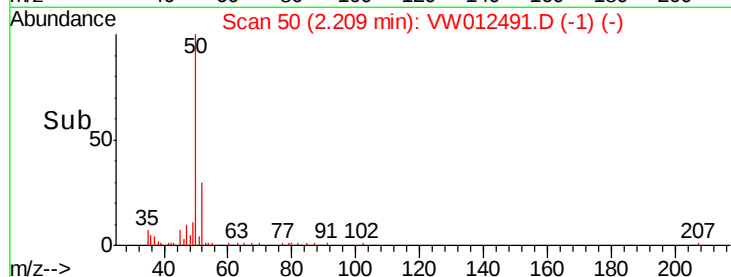
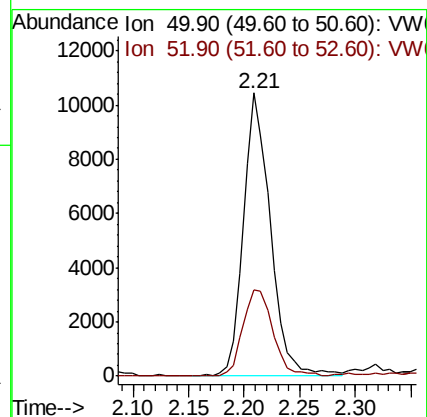
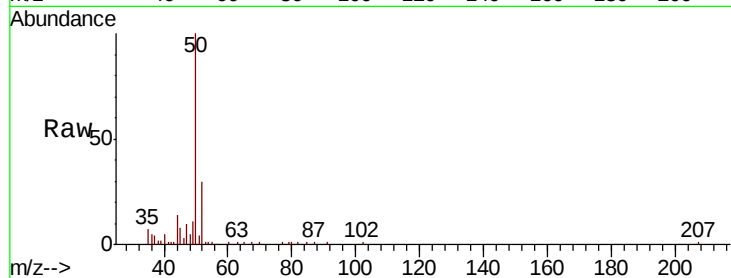
VW0902SBSD01

Tgt Ion: 50 Resp: 17624

Ion Ratio Lower Upper

50 100

52 30.3 25.5 38.3



#4

Vinyl Chloride

Concen: 8.452 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012491.D

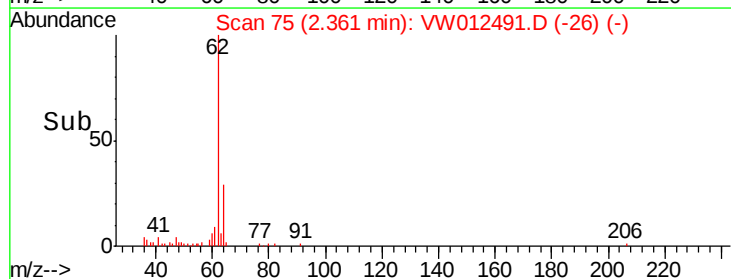
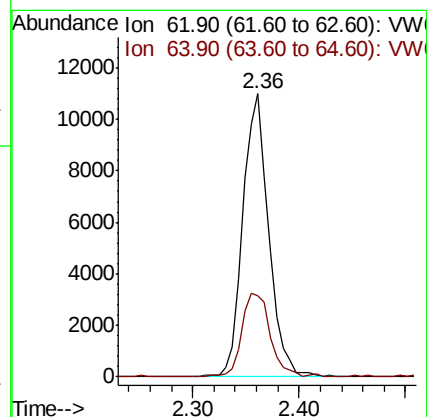
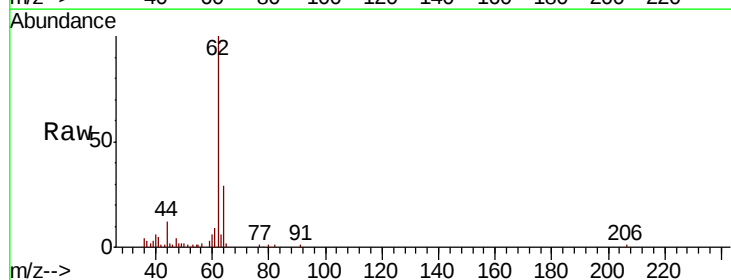
Acq: 02 Sep 2019 11:50

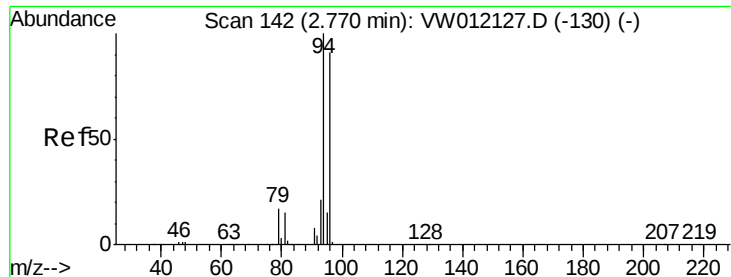
Tgt Ion: 62 Resp: 18778

Ion Ratio Lower Upper

62 100

64 28.6 25.3 37.9





#5

Bromomethane

Concen: 9.303 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

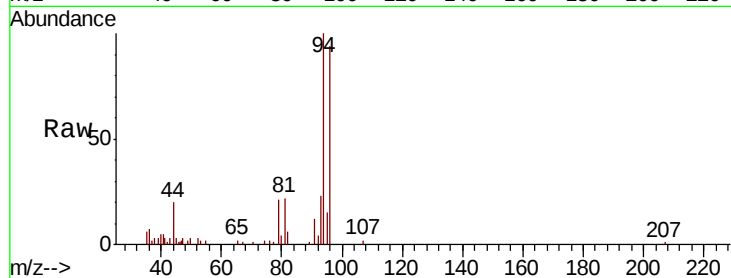
VW0902SBSD01

Tgt Ion: 94 Resp: 10468

Ion Ratio Lower Upper

94 100

96 94.0 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

4000

3000

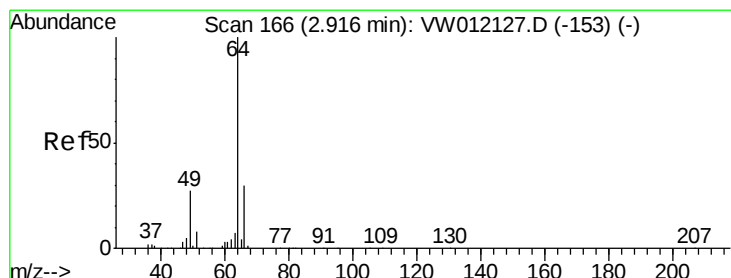
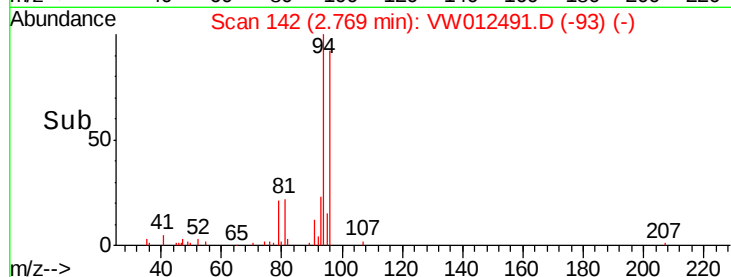
2000

1000

0

Time-->

2.70 2.75 2.80 2.85 2.90



#6

Chloroethane

Concen: 8.832 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012491.D

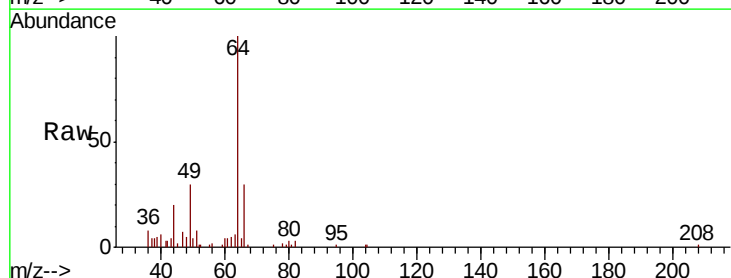
Acq: 02 Sep 2019 11:50

Tgt Ion: 64 Resp: 11069

Ion Ratio Lower Upper

64 100

66 30.2 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

4000

3000

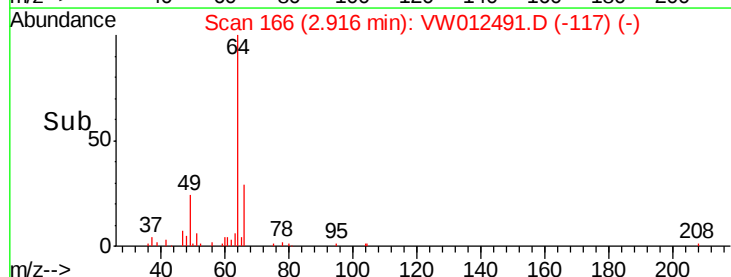
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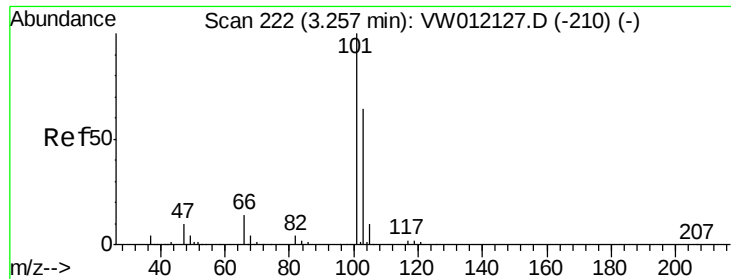
1000

0

Time-->

2.80 2.90 3.00



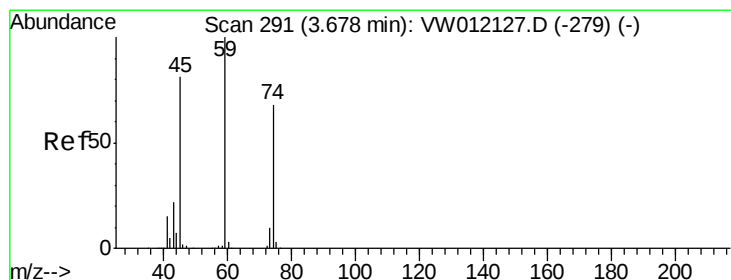
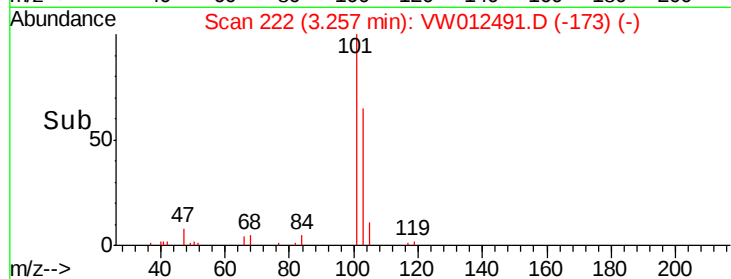
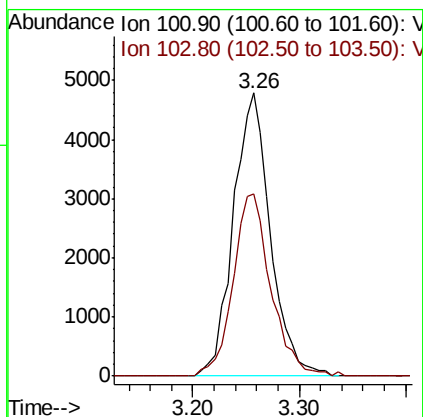
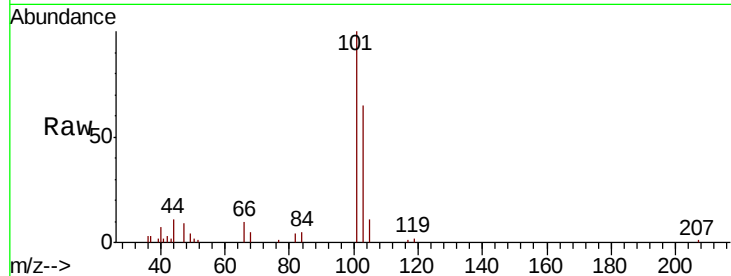


#7

Trichlorofluoromethane
 Concen: 10.467 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

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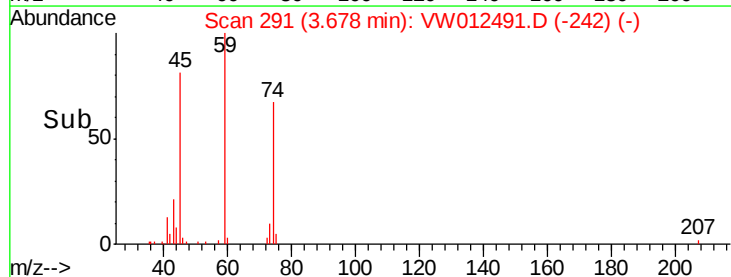
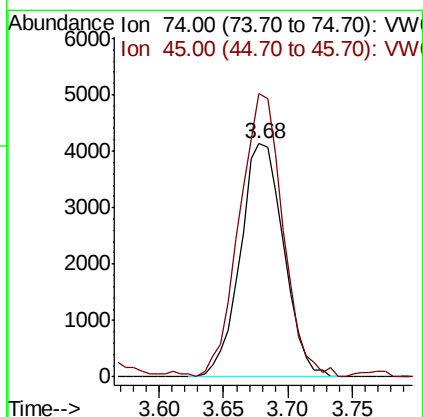
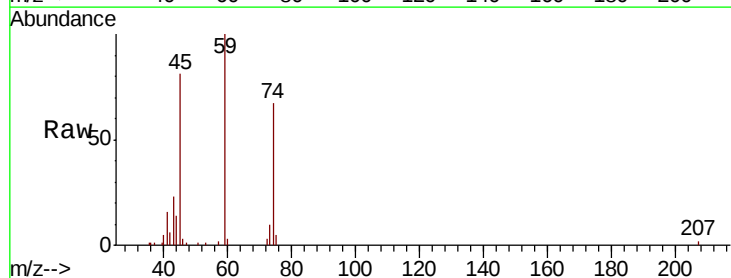
Tgt Ion:101 Resp: 11677
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.2 76.8

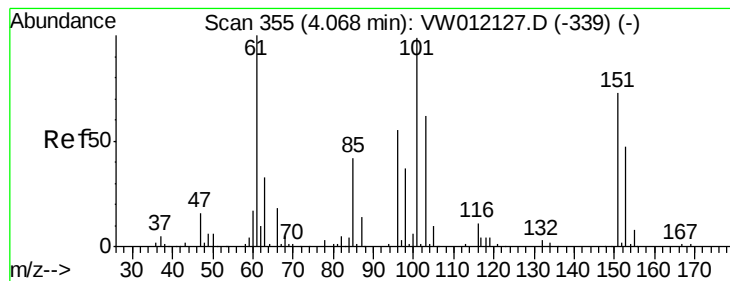


#8

Diethyl Ether
 Concen: 9.124 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion: 74 Resp: 9662
 Ion Ratio Lower Upper
 74 100
 45 121.3 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.946 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

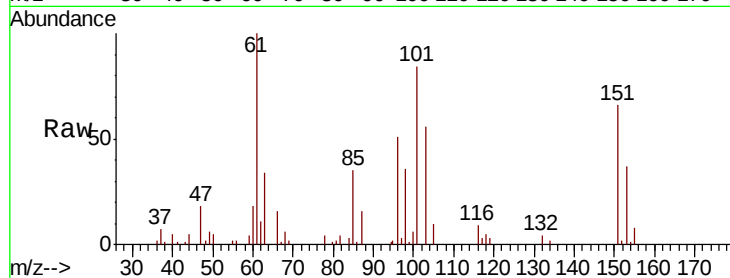
Tgt Ion:101 Resp: 18860

Ion Ratio Lower Upper

101 100

85 43.0 35.8 53.6

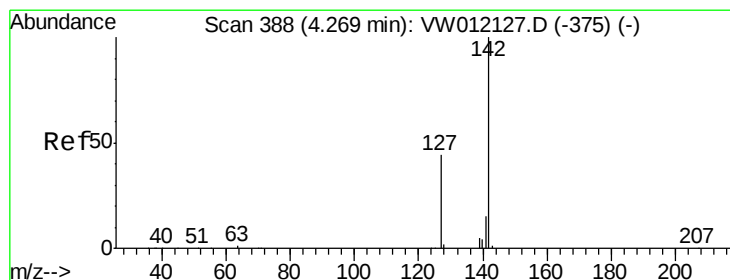
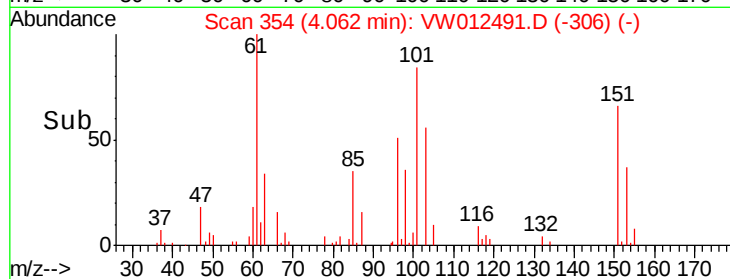
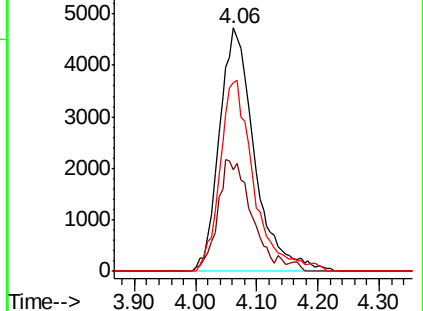
151 74.7 58.6 87.8



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: 9.326 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

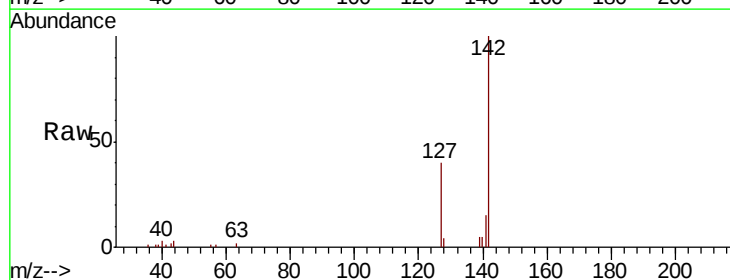
Tgt Ion:142 Resp: 23928

Ion Ratio Lower Upper

142 100

127 46.7 35.5 53.3

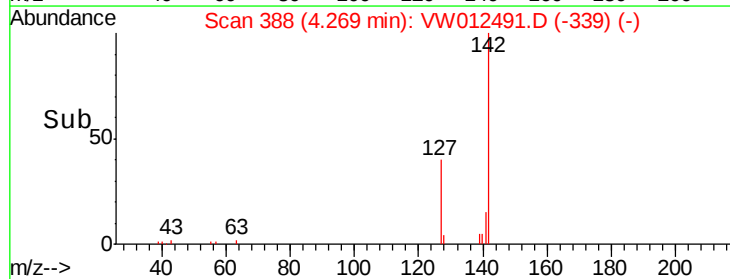
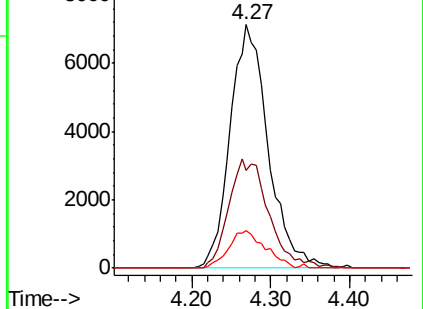
141 14.6 11.8 17.8

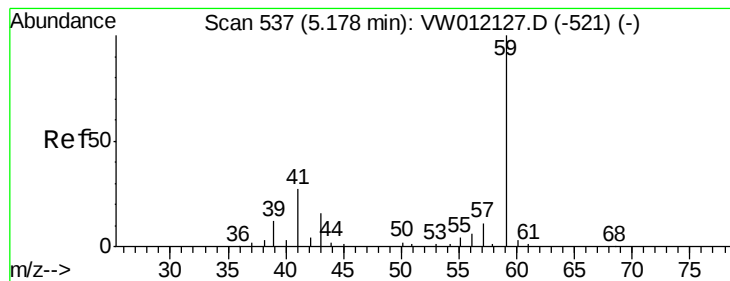


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 52.414 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

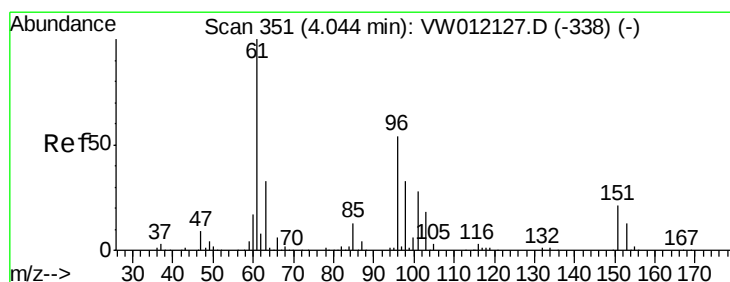
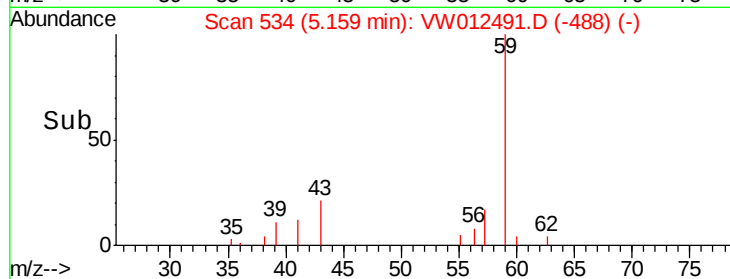
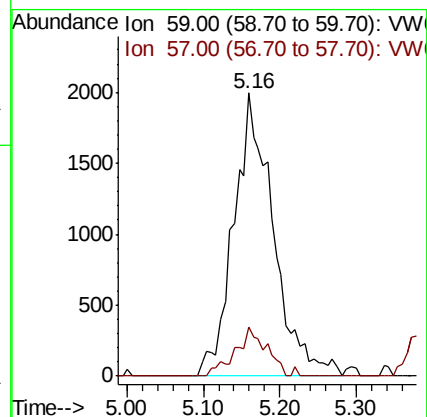
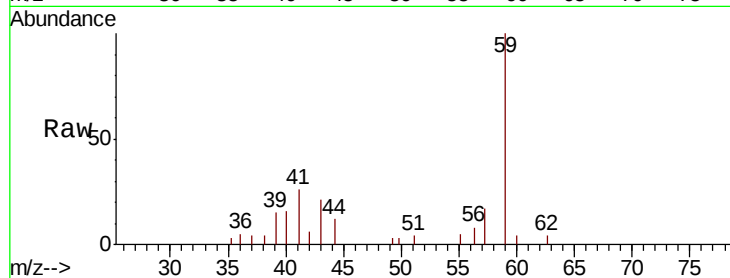
VW0902SBSD01

Tgt Ion: 59 Resp: 7135

Ion Ratio Lower Upper

59 100

57 13.4 9.0 13.4



#12

1,1-Dichloroethene

Concen: 9.271 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

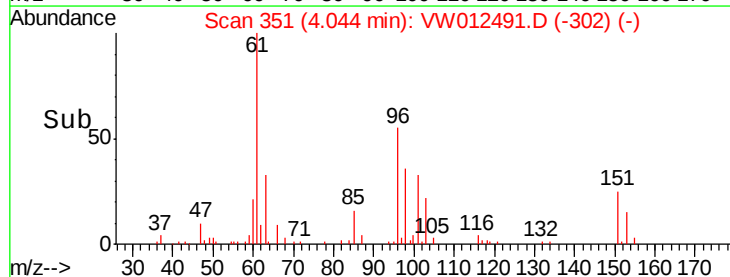
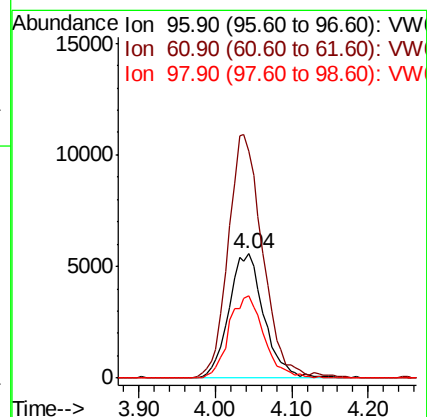
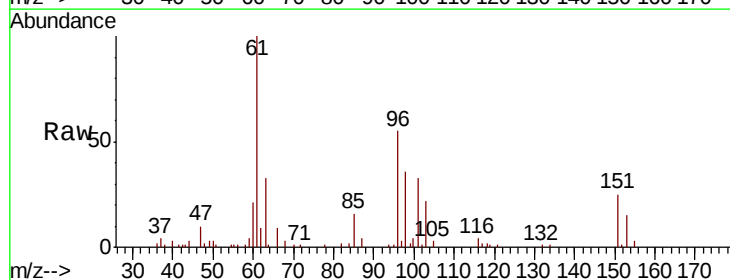
Tgt Ion: 96 Resp: 17695

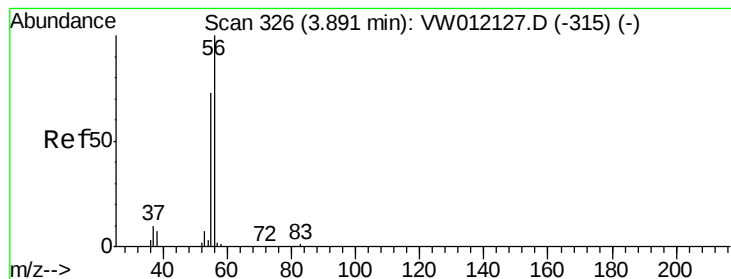
Ion Ratio Lower Upper

96 100

61 183.3 149.1 223.7

98 66.3 49.4 74.2





#13

Acrolein

Concen: 74.668 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

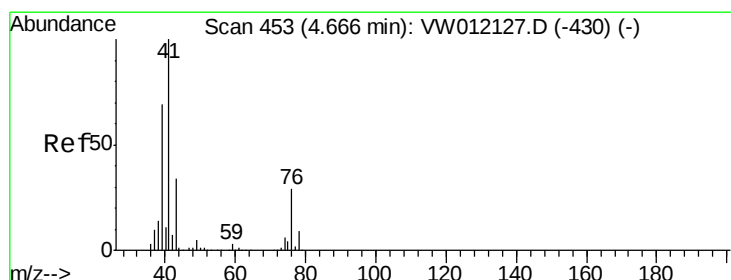
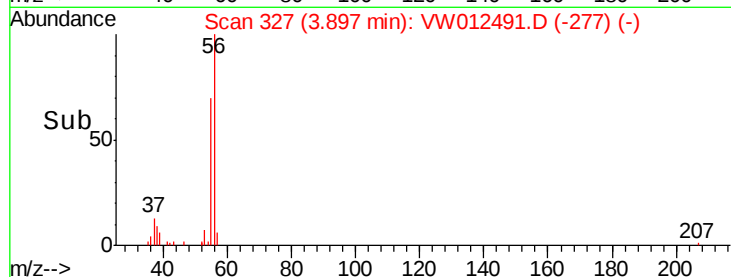
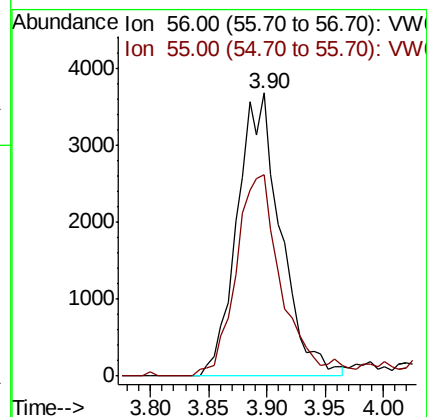
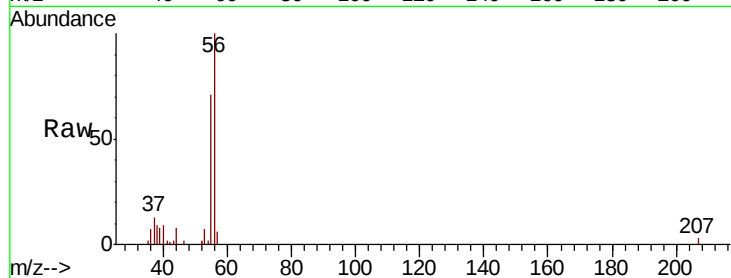
VW0902SBSD01

Tgt Ion: 56 Resp: 9568

Ion Ratio Lower Upper

56 100

55 72.6 55.8 83.8



#14

Allyl chloride

Concen: 9.366 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

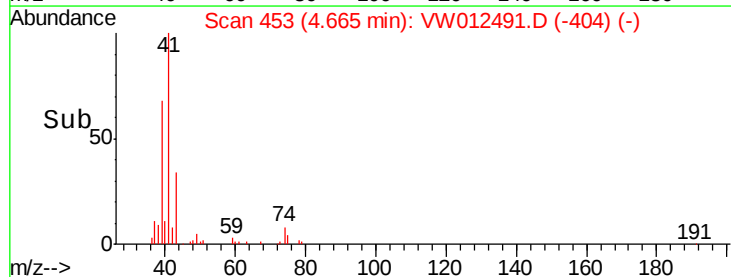
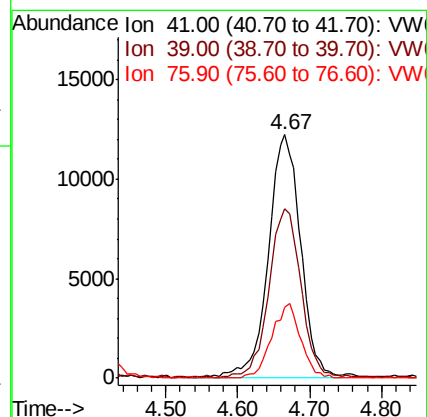
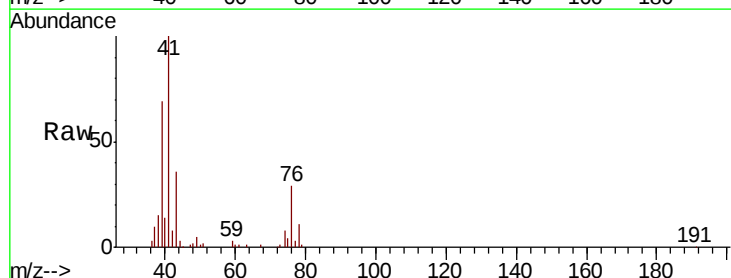
Tgt Ion: 41 Resp: 38216

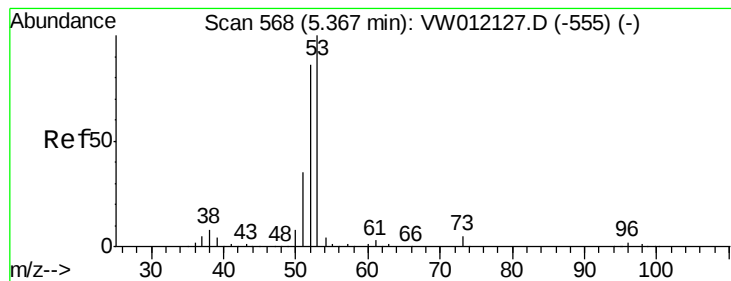
Ion Ratio Lower Upper

41 100

39 68.9 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 46.668 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

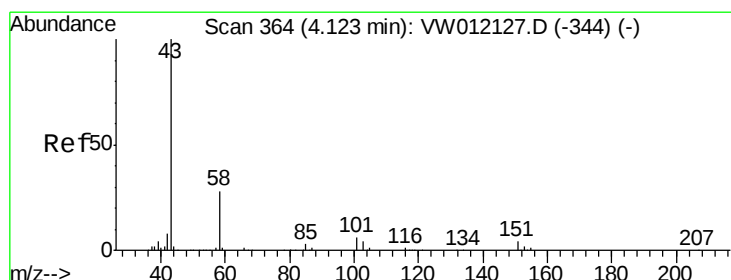
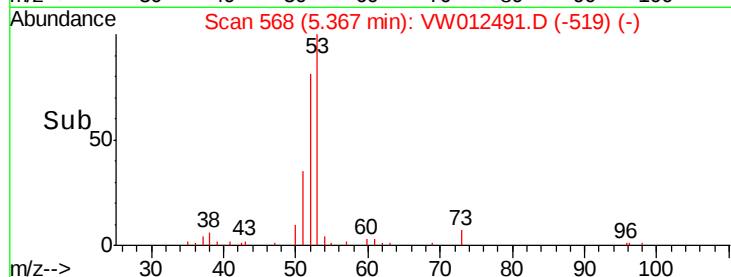
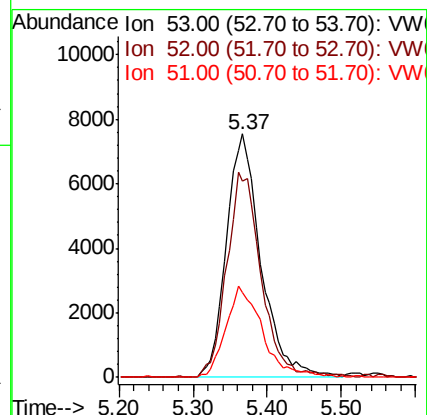
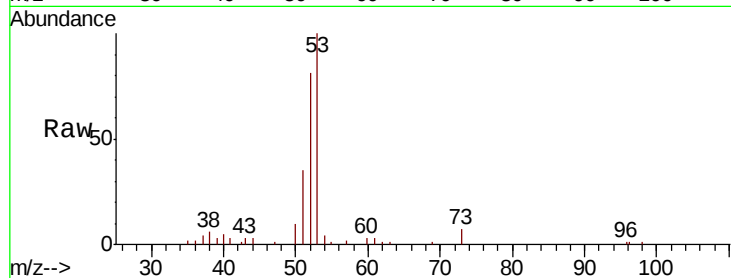
Tgt Ion: 53 Resp: 24495

Ion Ratio Lower Upper

53 100

52 82.1 66.7 100.1

51 39.5 30.1 45.1



#16

Acetone

Concen: 45.986 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012491.D

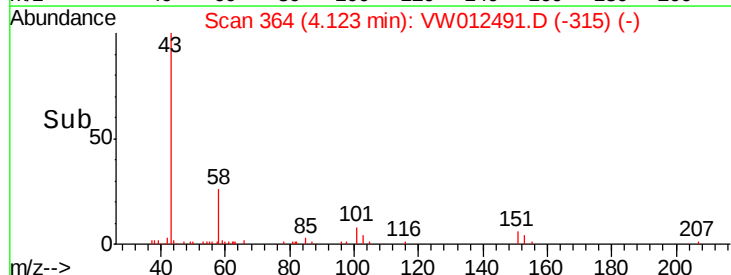
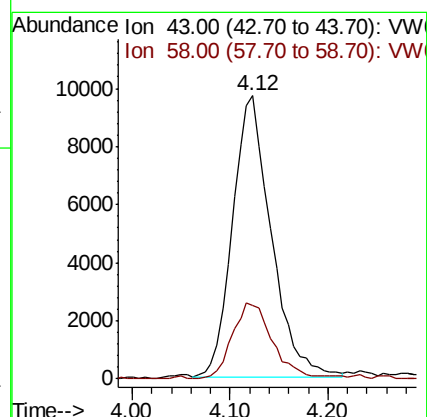
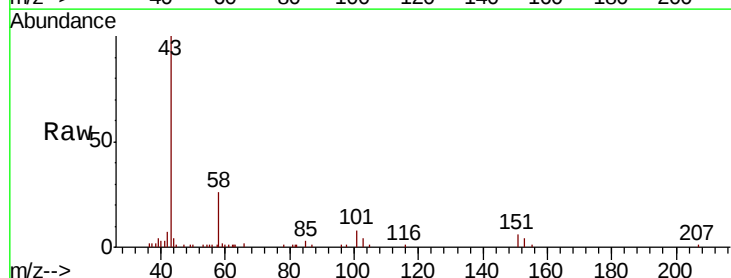
Acq: 02 Sep 2019 11:50

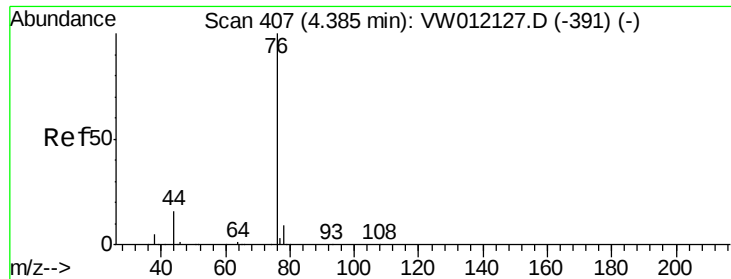
Tgt Ion: 43 Resp: 26590

Ion Ratio Lower Upper

43 100

58 26.1 22.4 33.6

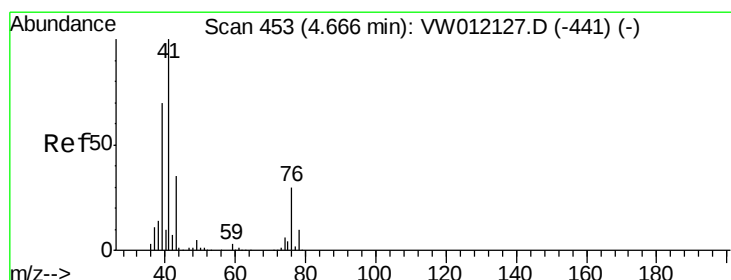
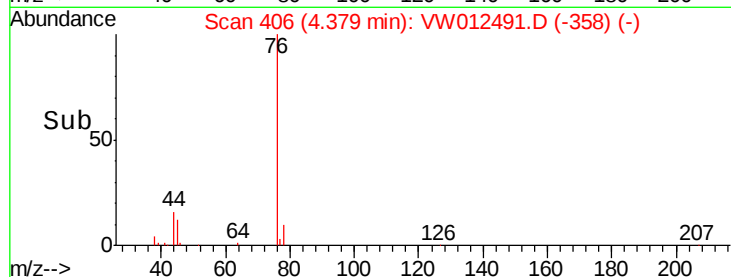
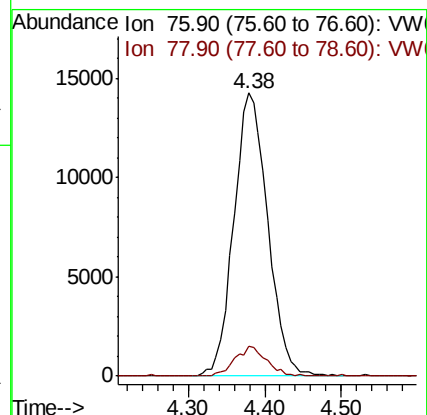
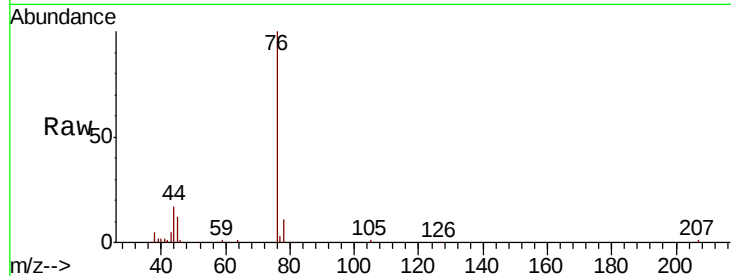




#17
 Carbon Disulfide
 Concen: 7.589 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

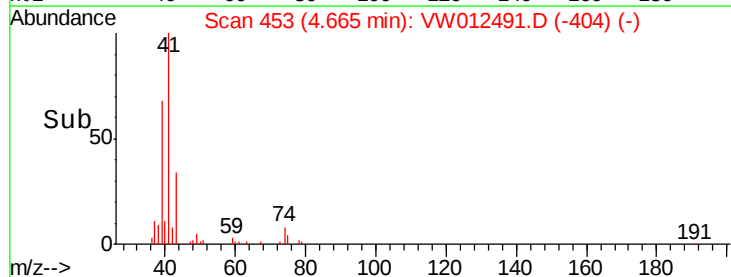
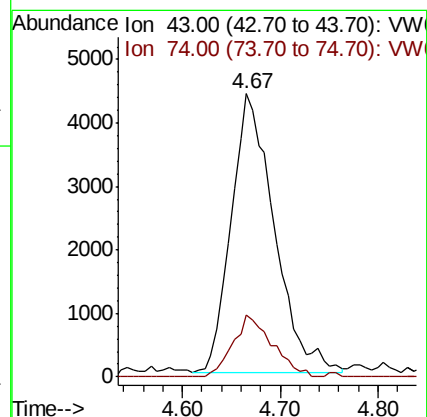
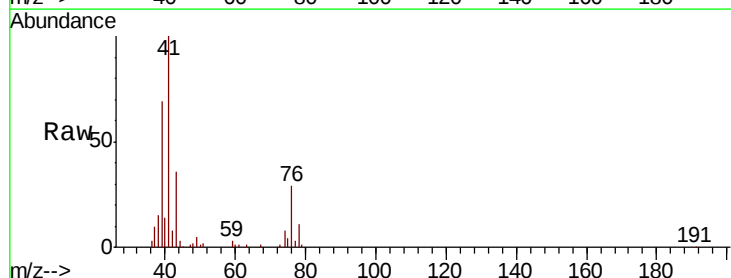
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

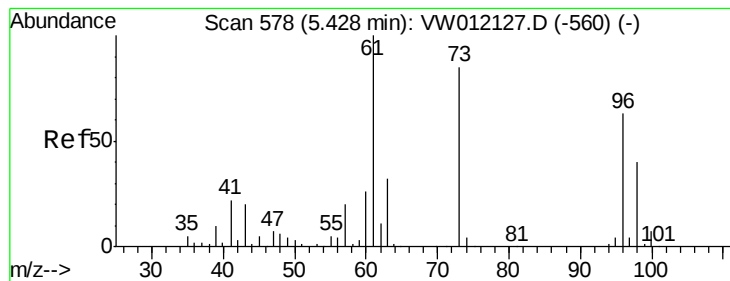
Tgt Ion: 76 Resp: 43777
 Ion Ratio Lower Upper
 76 100
 78 10.6 7.3 10.9



#18
 Methyl Acetate
 Concen: 9.379 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion: 43 Resp: 13432
 Ion Ratio Lower Upper
 43 100
 74 20.3 15.7 23.5





#19

Methyl tert-butyl Ether

Concen: 10.173 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

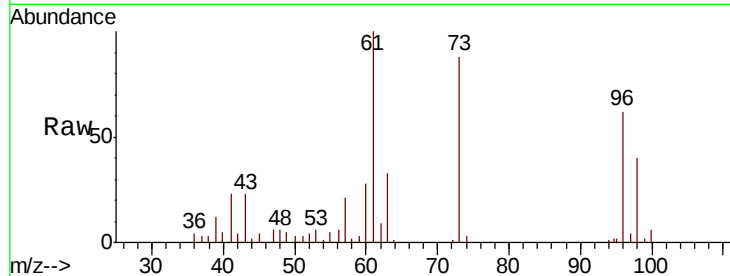
VW0902SBSD01

Tgt Ion: 73 Resp: 31399

Ion Ratio Lower Upper

73 100

57 24.2 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.43

8000

6000

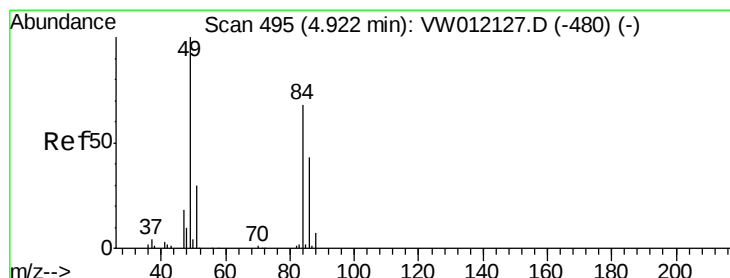
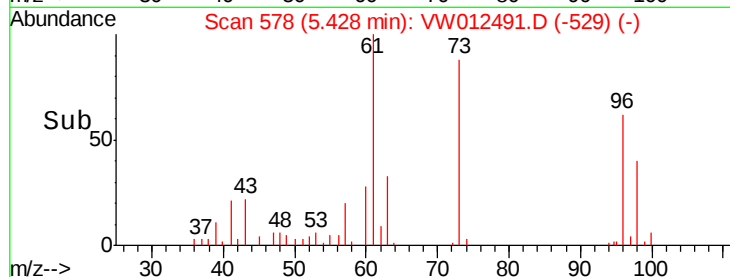
4000

2000

0

Time-->

5.30 5.40 5.50



#20

Methylene Chloride

Concen: 10.199 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion: 84 Resp: 22294

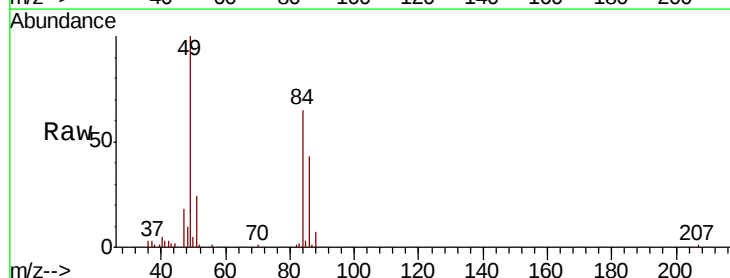
Ion Ratio Lower Upper

84 100

49 152.0 117.8 176.8

51 36.9 35.6 53.4

86 65.7 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

15000

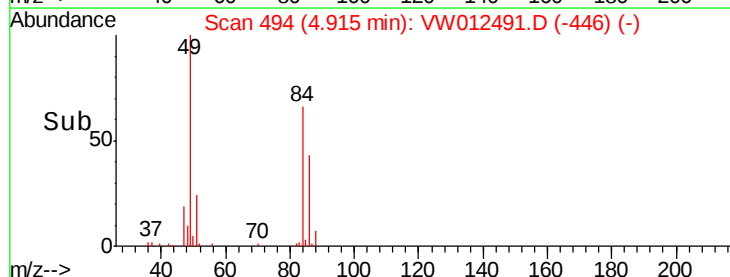
10000

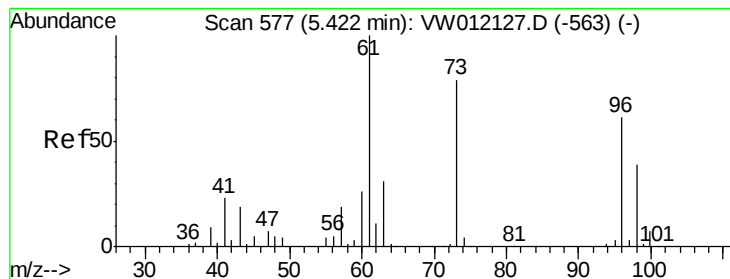
5000

0

Time-->

4.80 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 9.224 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

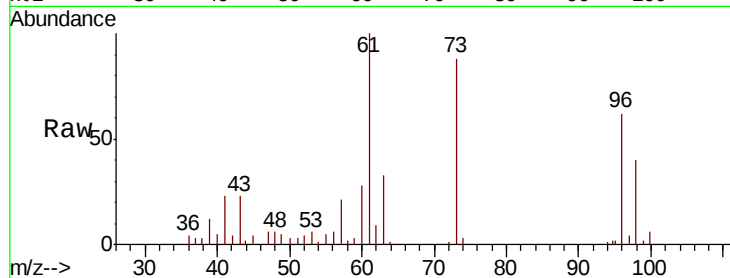
Tgt Ion: 96 Resp: 18879

Ion Ratio Lower Upper

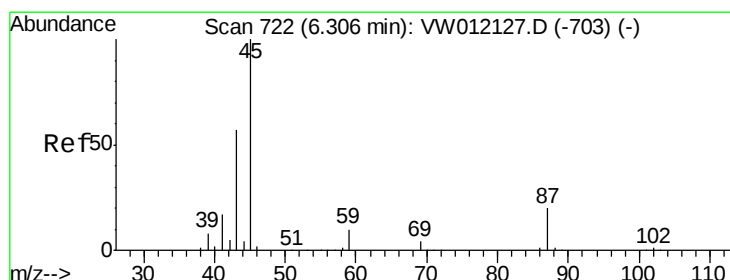
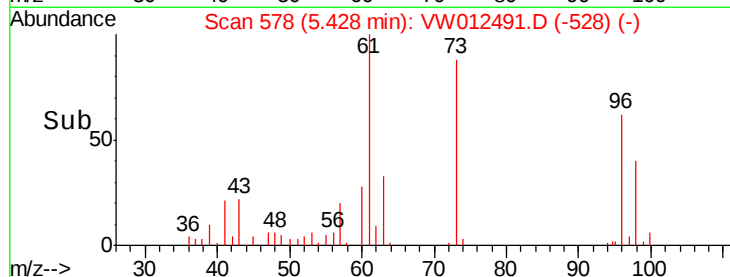
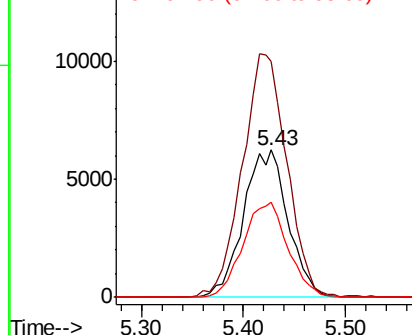
96 100

61 160.5 131.4 197.0

98 64.8 51.4 77.0



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: 9.789 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion: 45 Resp: 74037

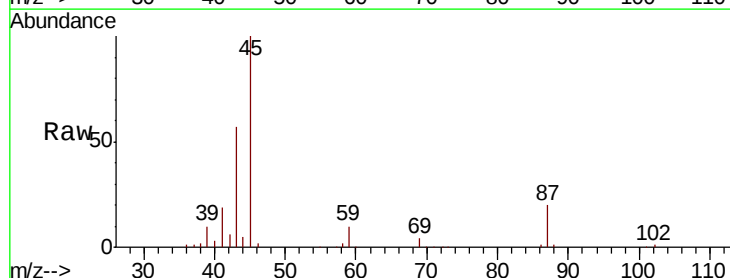
Ion Ratio Lower Upper

45 100

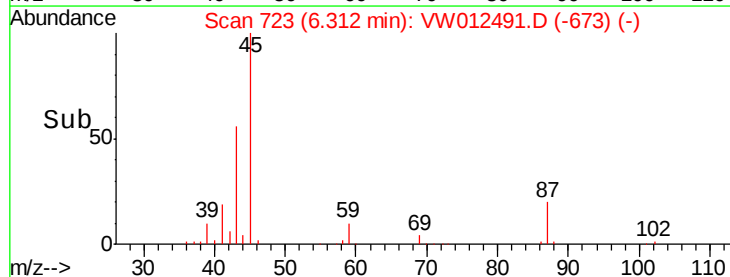
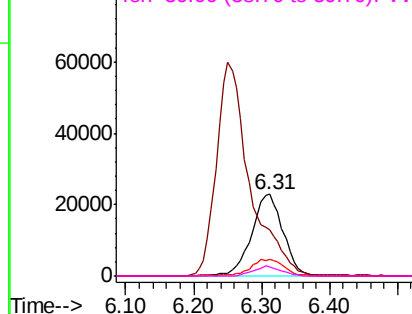
43 55.8 45.5 68.3

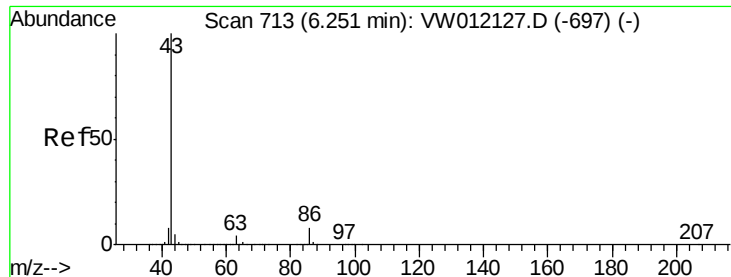
87 20.3 16.1 24.1

59 10.3 8.2 12.2



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: 43.966 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

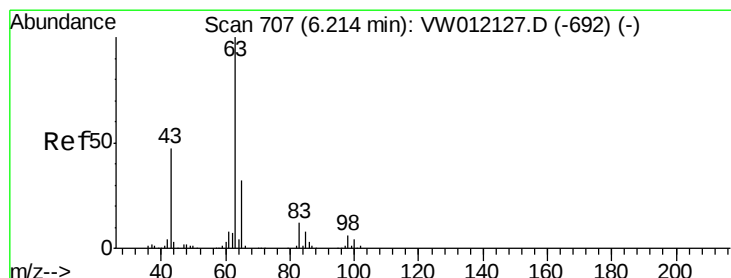
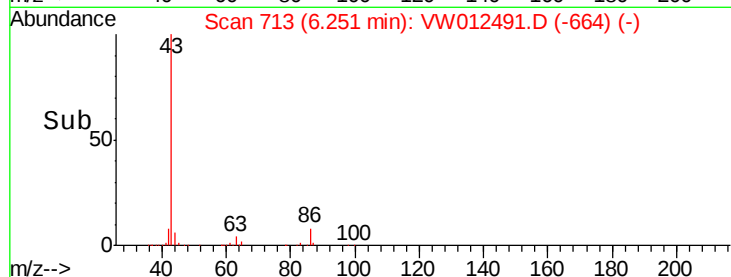
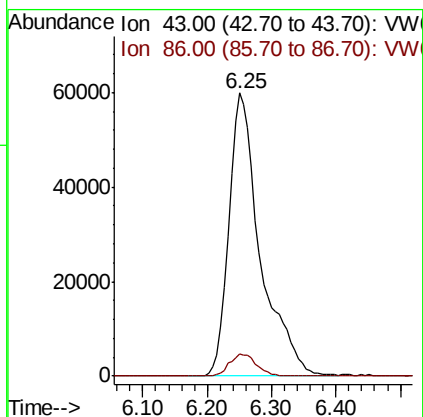
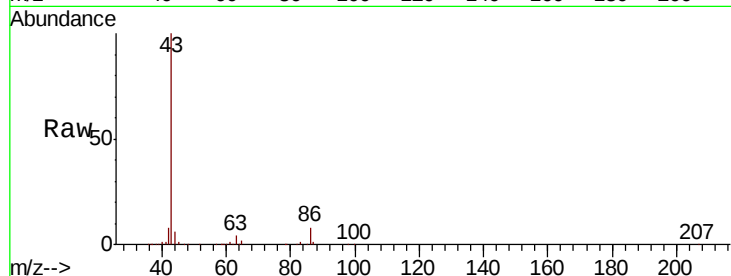
VW0902SBSD01

Tgt Ion: 43 Resp: 204645

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 9.753 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

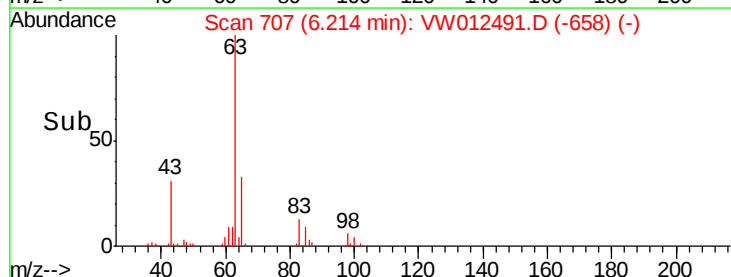
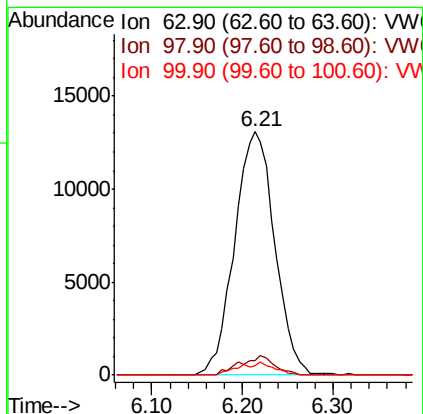
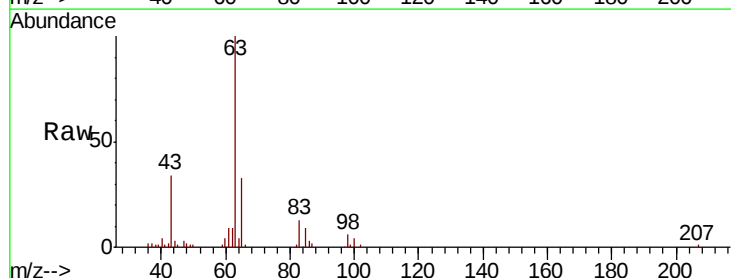
Tgt Ion: 63 Resp: 40165

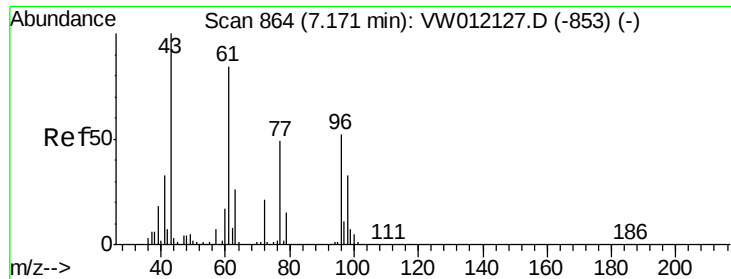
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 43.800 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

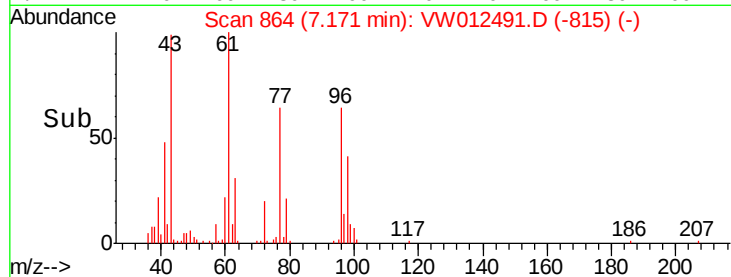
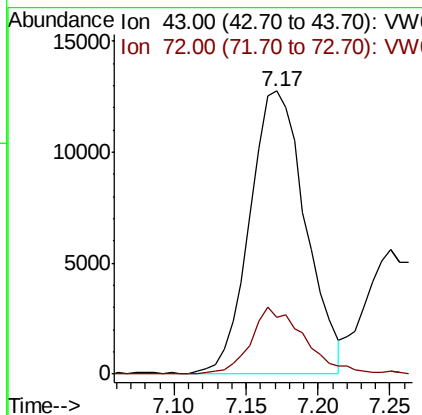
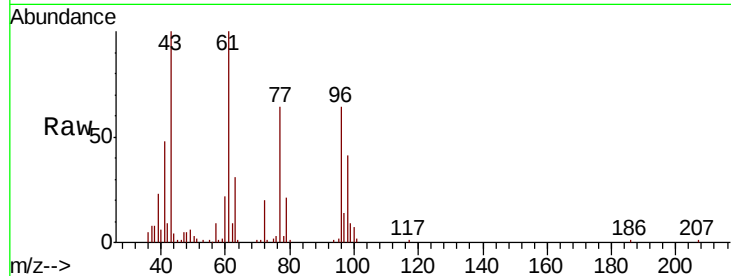
VW0902SBSD01

Tgt Ion: 43 Resp: 34415

Ion Ratio Lower Upper

43 100

72 20.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 10.729 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012491.D

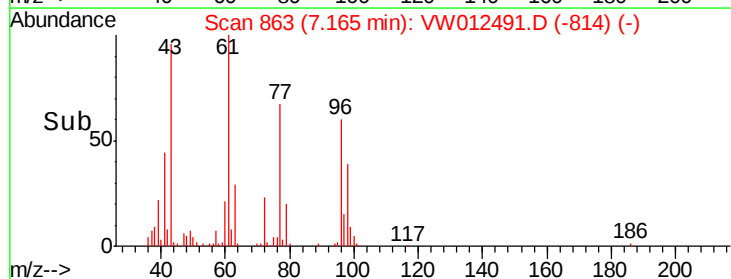
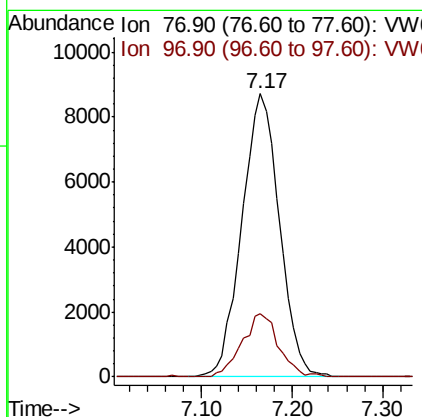
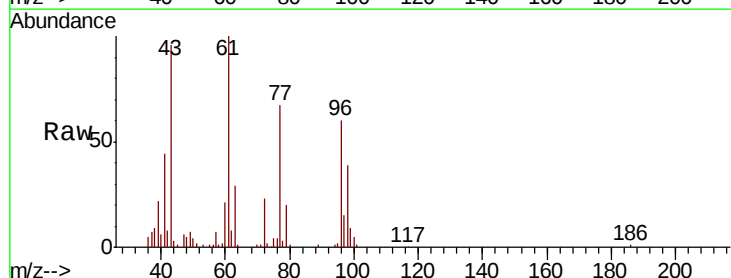
Acq: 02 Sep 2019 11:50

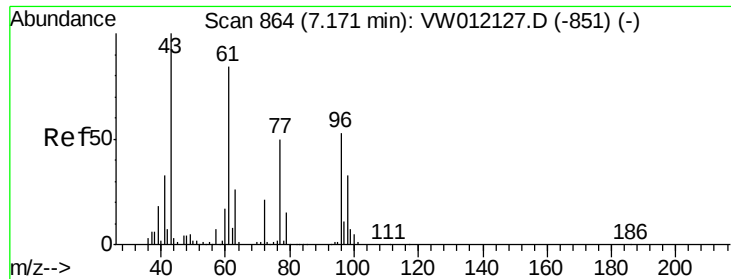
Tgt Ion: 77 Resp: 25009

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.1



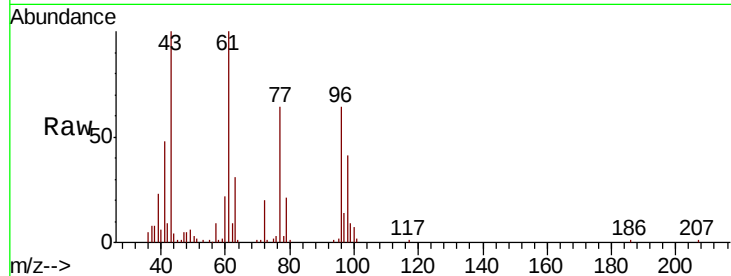


#27

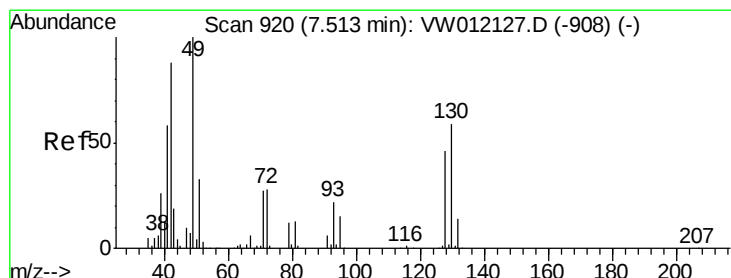
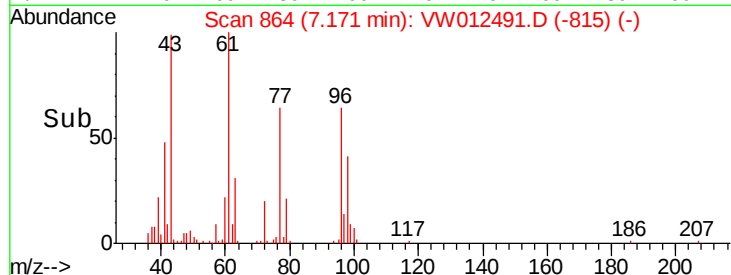
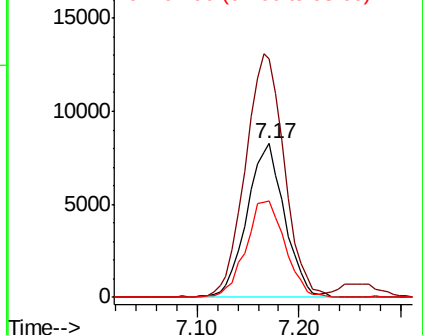
cis-1,2-Dichloroethene
Concen: 9.685 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tgt Ion: 96 Resp: 21179
Ion Ratio Lower Upper
96 100
61 164.2 0.0 326.6
98 65.2 0.0 127.4



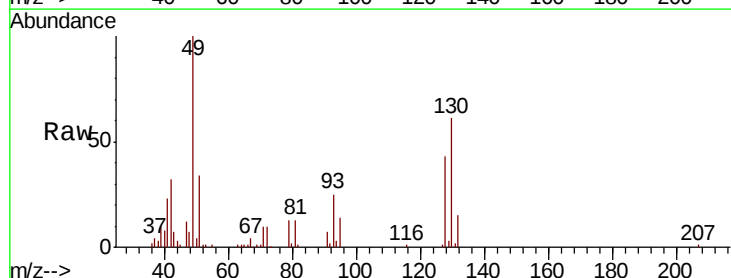
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



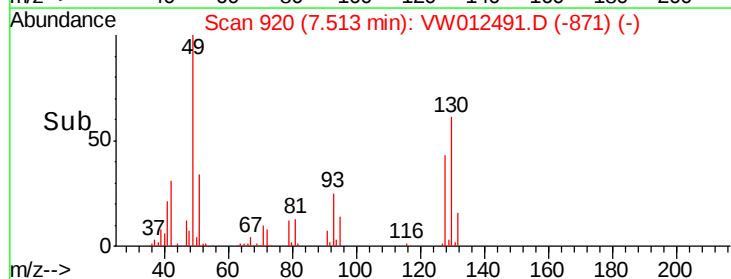
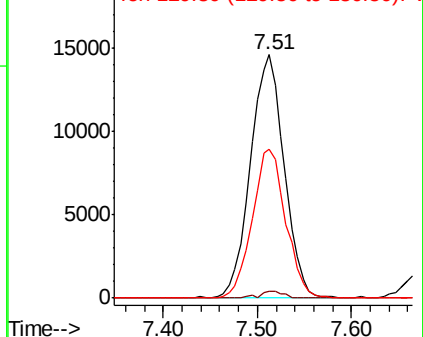
#28

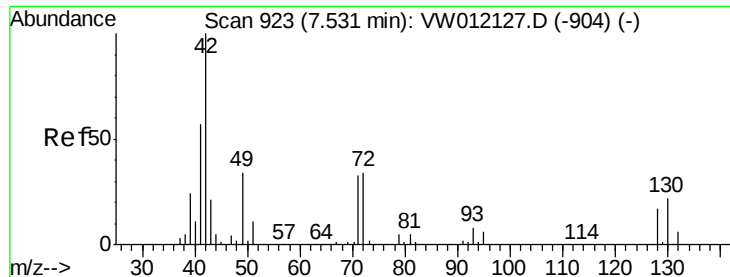
Bromochloromethane
Concen: 20.343 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion: 49 Resp: 36513
Ion Ratio Lower Upper
49 100
129 1.9 0.0 1.4#
130 60.6 45.5 68.3



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: 43.137 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

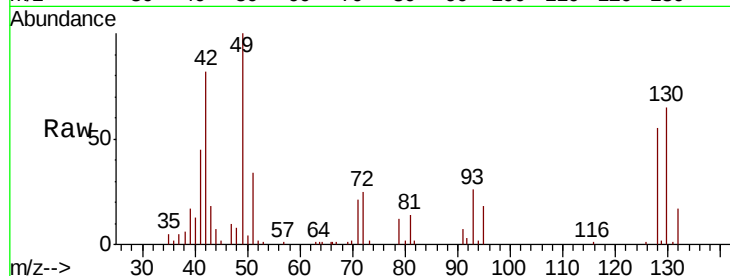
Tgt Ion: 42 Resp: 20335

Ion Ratio Lower Upper

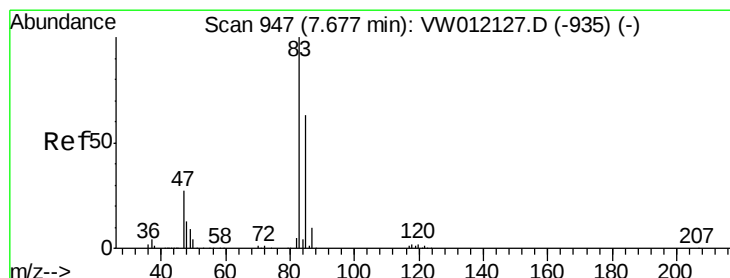
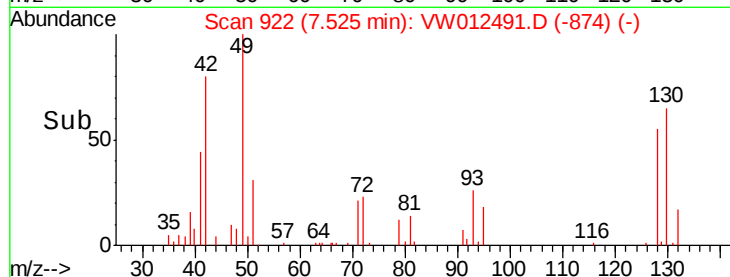
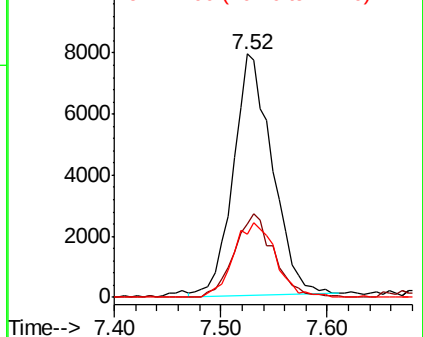
42 100

72 35.3 27.3 40.9

71 33.4 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 10.330 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW012491.D

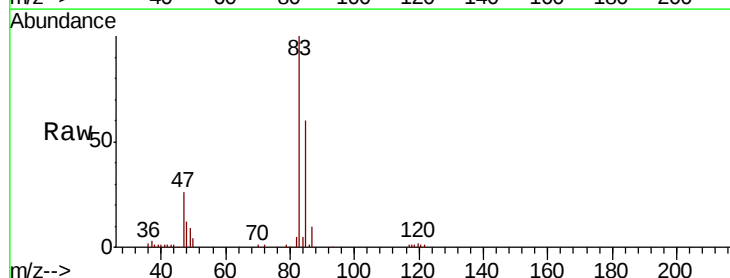
Acq: 02 Sep 2019 11:50

Tgt Ion: 83 Resp: 38919

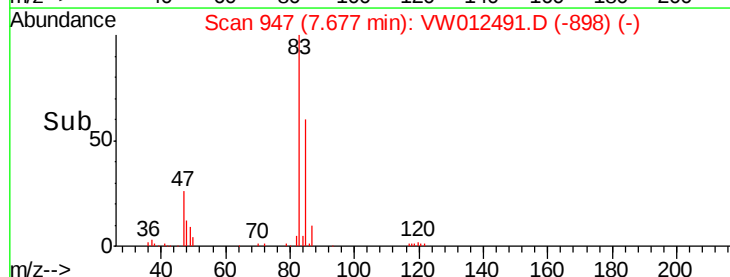
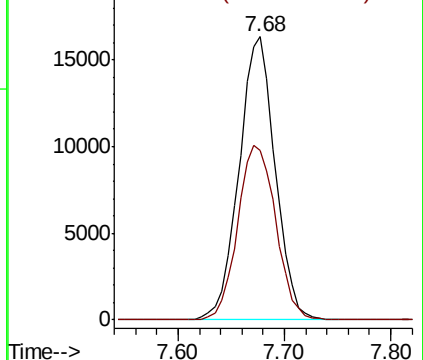
Ion Ratio Lower Upper

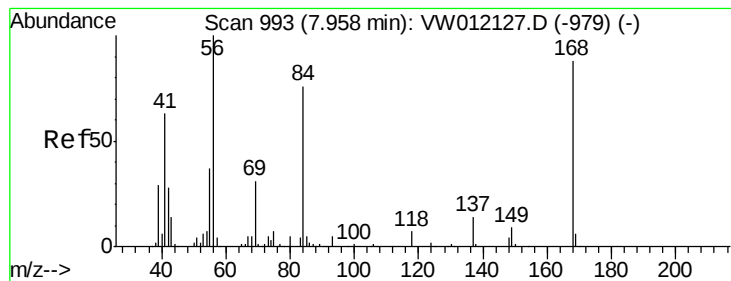
83 100

85 60.0 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 9.408 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleID :

VW0902SBSD01

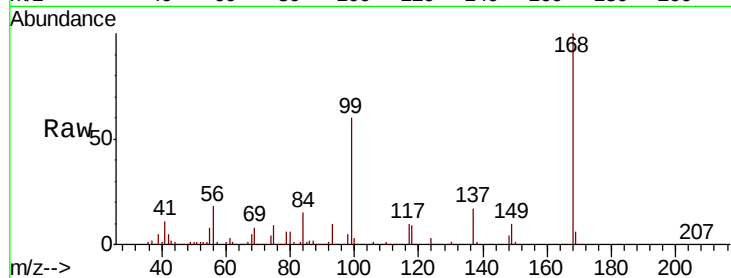
Tgt Ion: 56 Resp: 38333

Ion Ratio Lower Upper

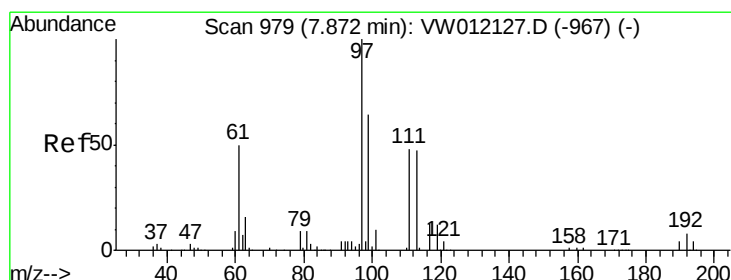
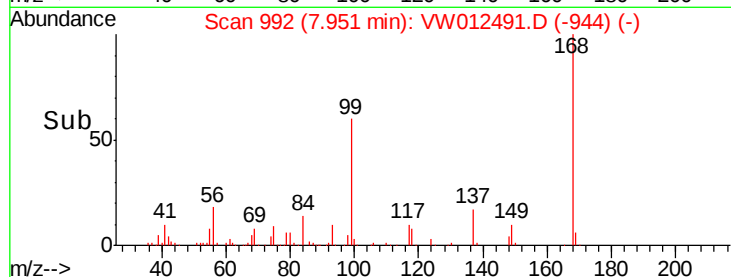
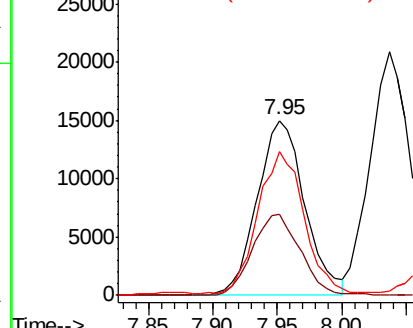
56 100

69 46.4 24.9 37.3#

84 80.7 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 10.358 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

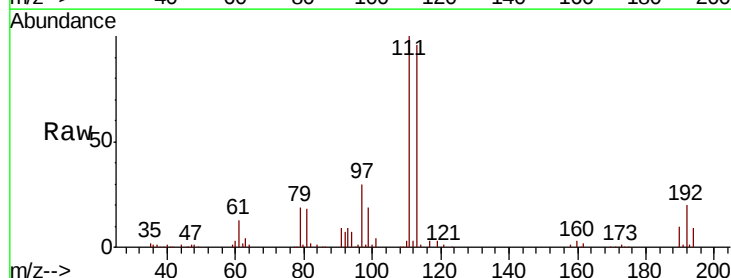
Tgt Ion: 97 Resp: 30872

Ion Ratio Lower Upper

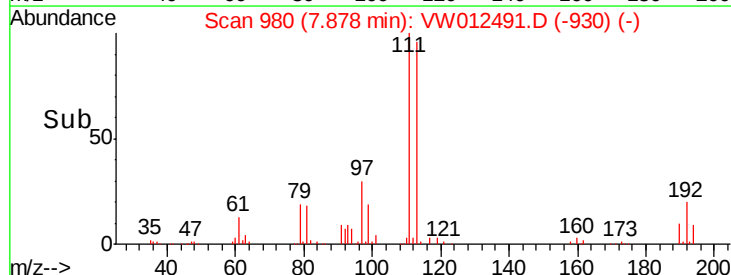
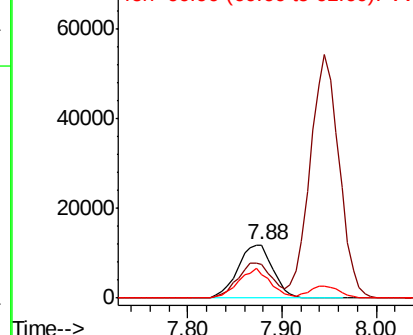
97 100

99 65.6 51.4 77.0

61 51.2 39.5 59.3



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

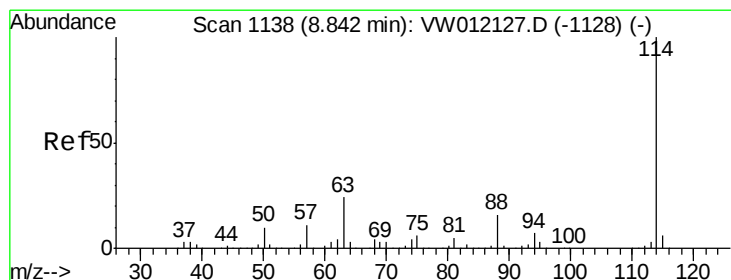
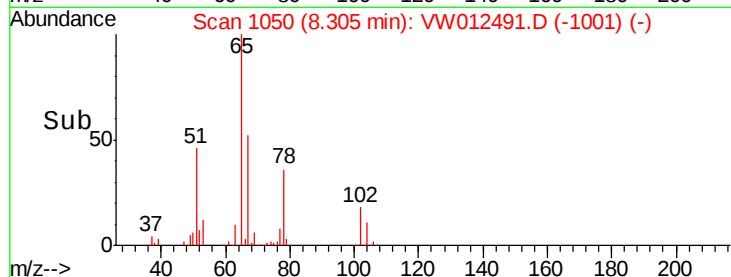
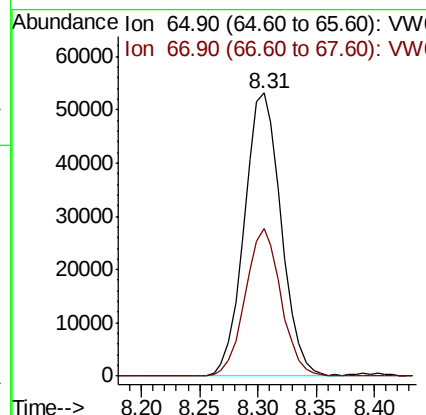
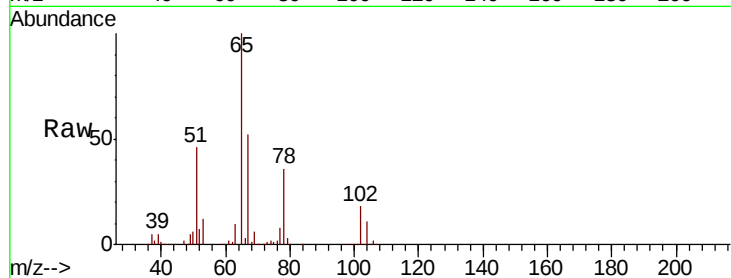




#33
 1,2-Dichloroethane-d4
 Concen: 51.929 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

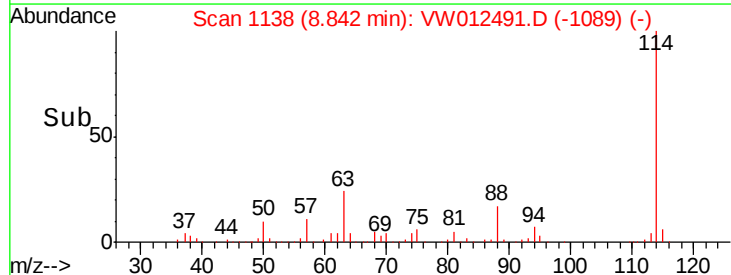
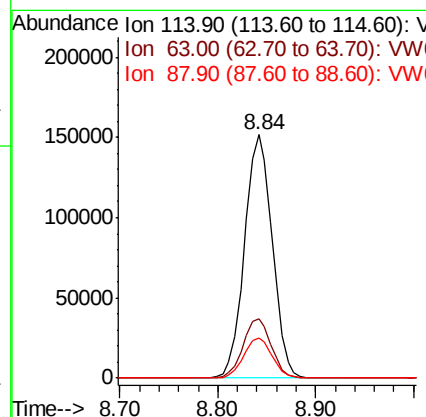
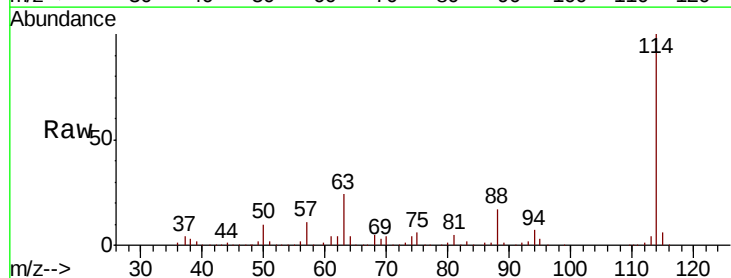
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

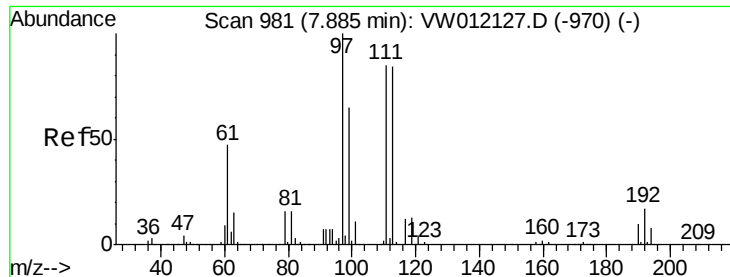
Tgt Ion: 65 Resp: 117465
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion: 114 Resp: 298431
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 16.7 0.0 32.2

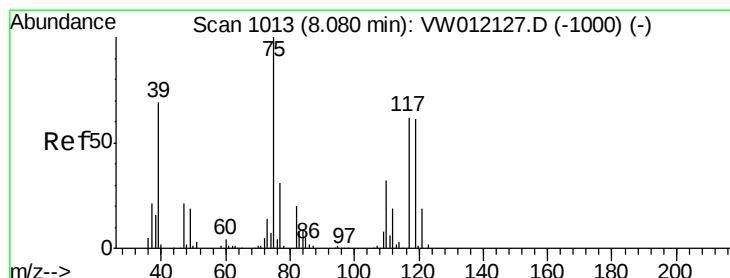
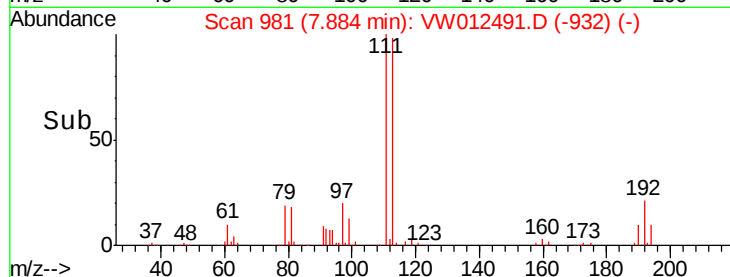
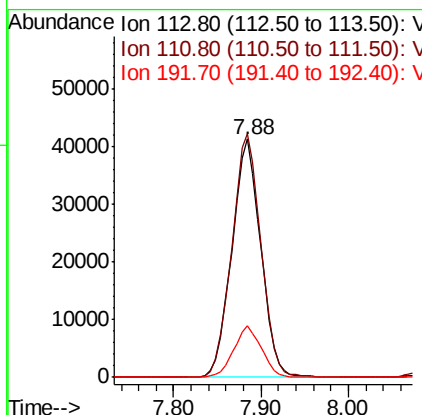
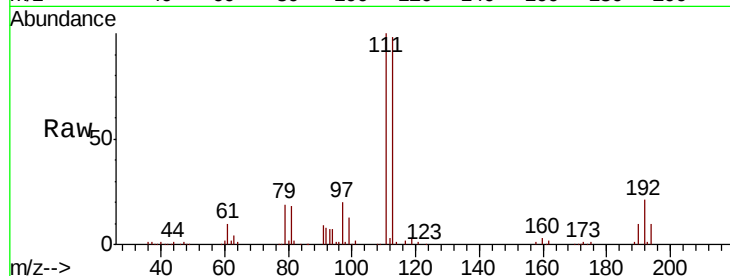




#35
 Dibromofluoromethane
 Concen: 53.015 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

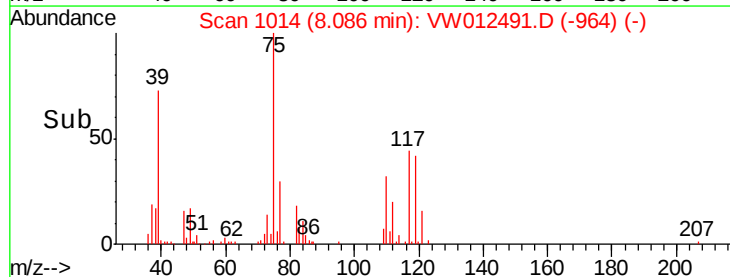
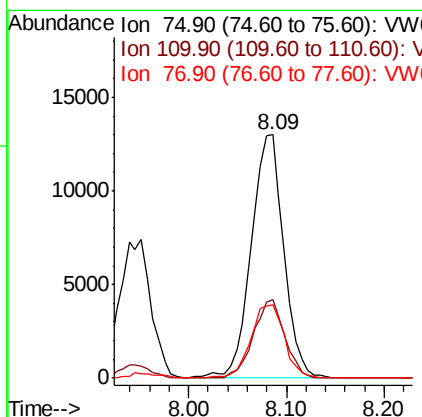
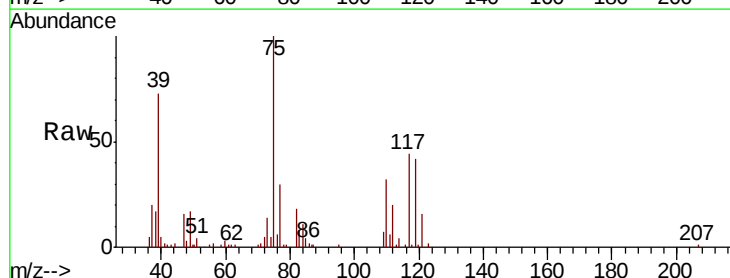
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

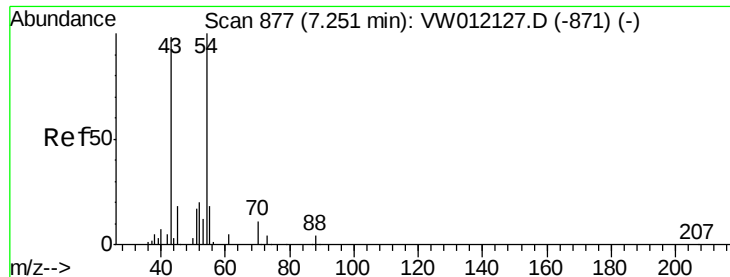
Tgt Ion:113 Resp: 94438
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 20.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 9.760 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion: 75 Resp: 30098
 Ion Ratio Lower Upper
 75 100
 110 31.1 15.6 46.8
 77 31.1 24.6 36.8

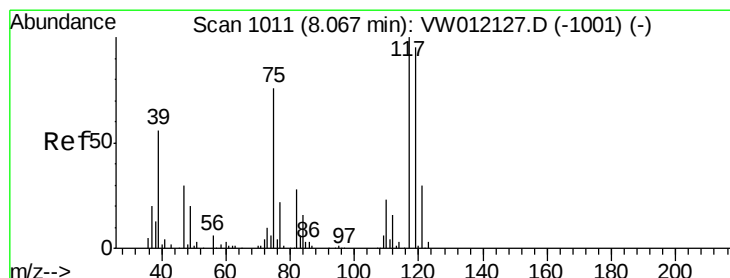
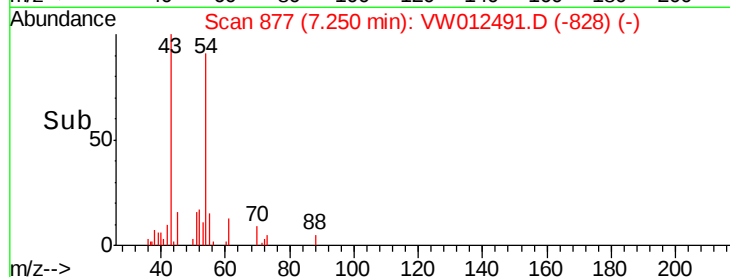
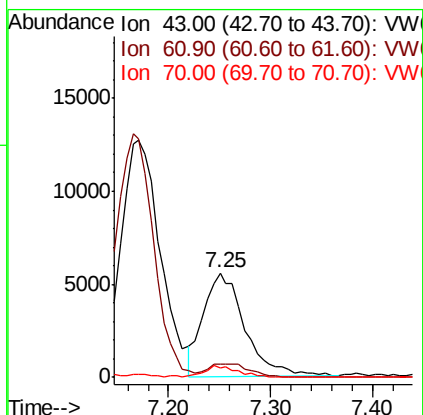
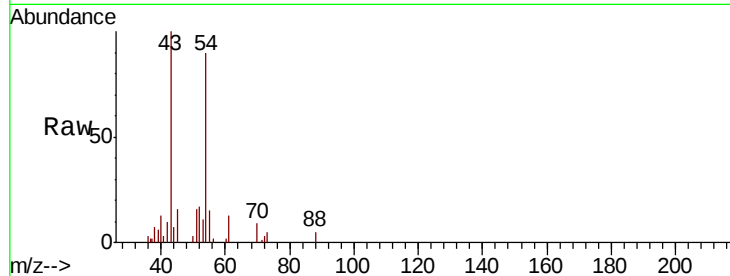




#37
Ethyl Acetate
Concen: 9.109 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

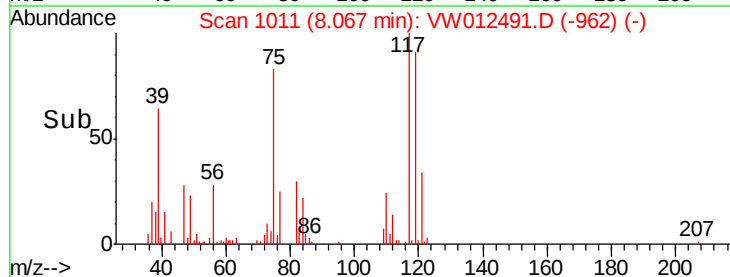
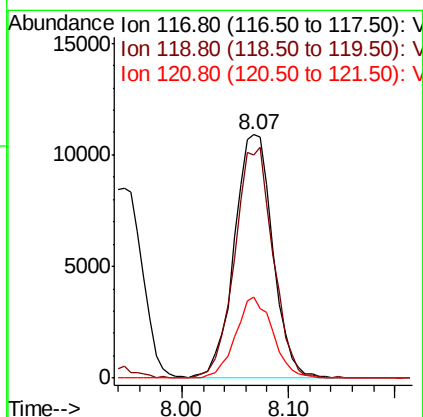
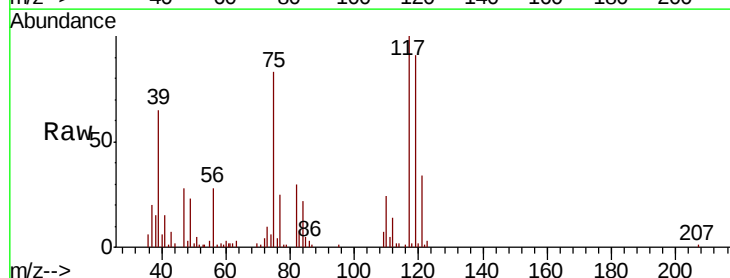
Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

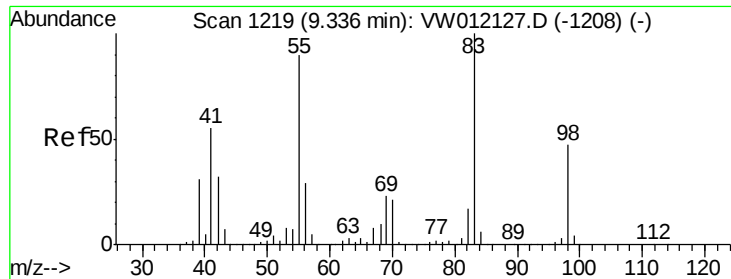
Tgt Ion: 43 Resp: 15393
Ion Ratio Lower Upper
43 100
61 13.3 9.2 13.8
70 9.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 10.381 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion: 117 Resp: 27708
Ion Ratio Lower Upper
117 100
119 91.4 76.2 114.2
121 33.5 23.8 35.8

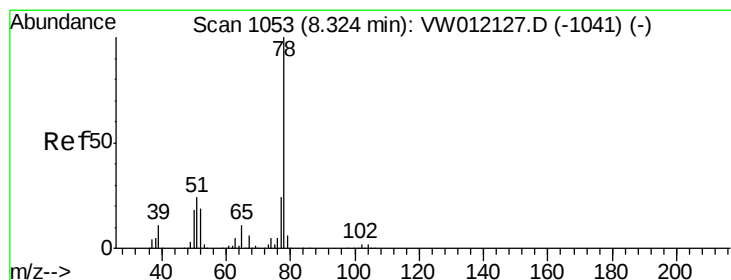
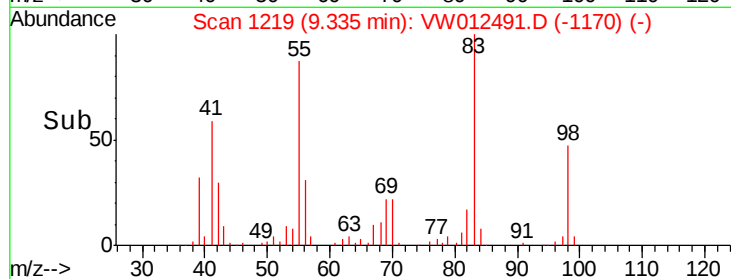
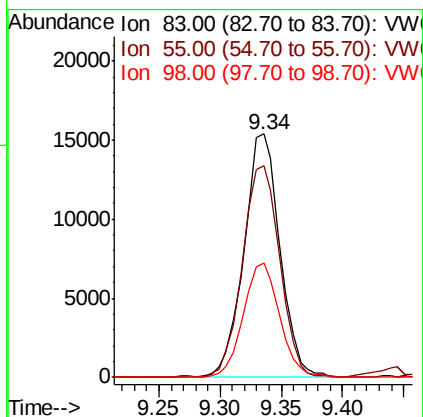
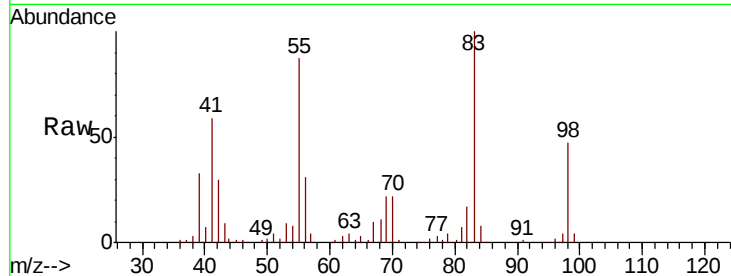




#39
Methylcyclohexane
Concen: 9.097 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

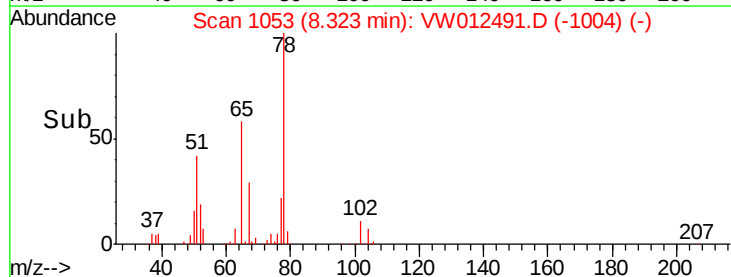
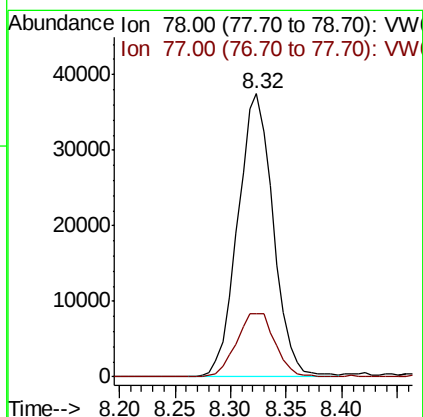
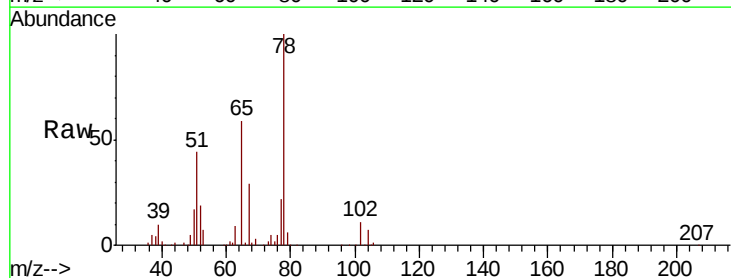
Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tgt Ion: 83 Resp: 31516
Ion Ratio Lower Upper
83 100
55 86.4 71.8 107.8
98 47.1 37.8 56.8



#40
Benzene
Concen: 9.841 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion: 78 Resp: 82873
Ion Ratio Lower Upper
78 100
77 22.5 19.5 29.3





#41

Methacrylonitrile

Concen: 10.158 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tgt Ion: 41 Resp: 10089

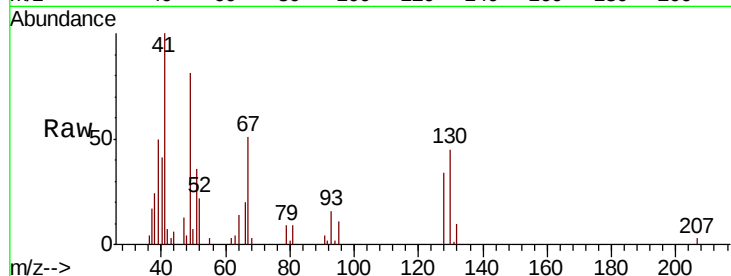
Ion Ratio Lower Upper

41 100

39 53.5 45.8 68.8

67 54.0 46.2 69.4

52 27.1 21.0 31.6

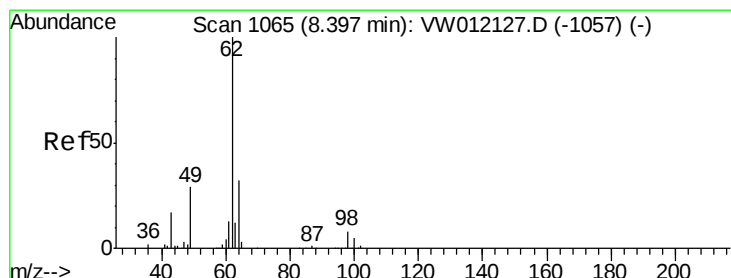
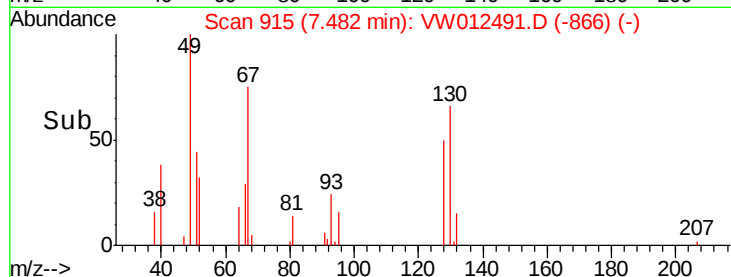
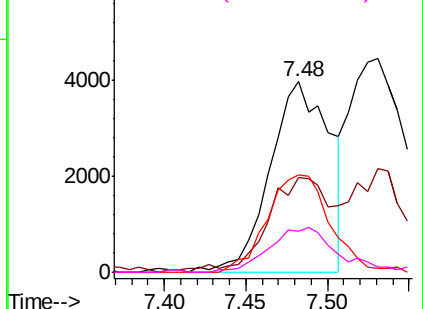


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 10.269 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012491.D

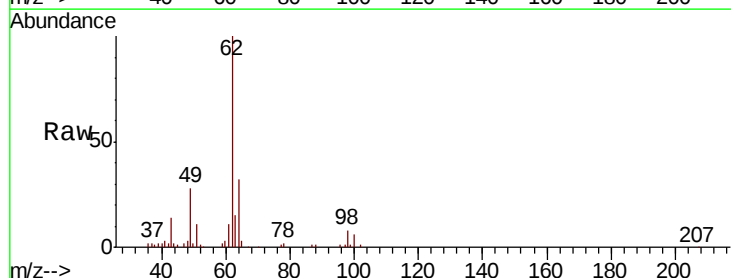
Acq: 02 Sep 2019 11:50

Tgt Ion: 62 Resp: 27101

Ion Ratio Lower Upper

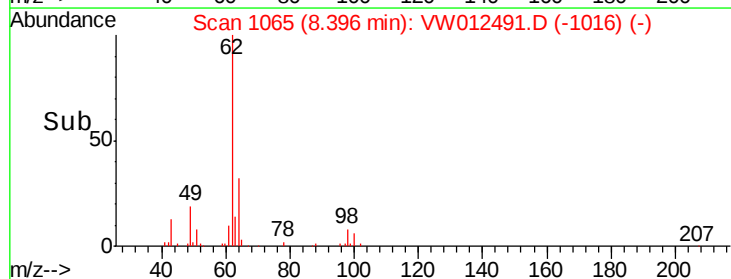
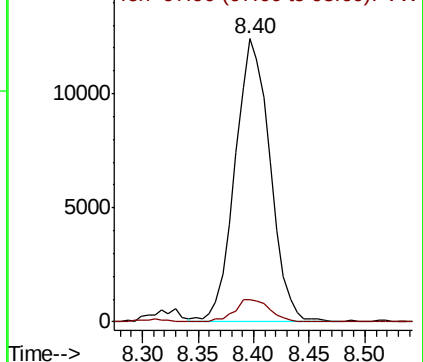
62 100

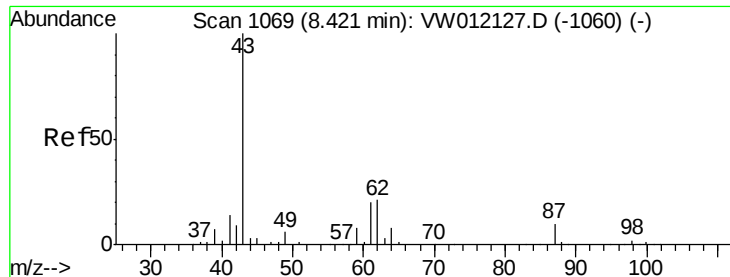
98 7.8 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 8.953 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

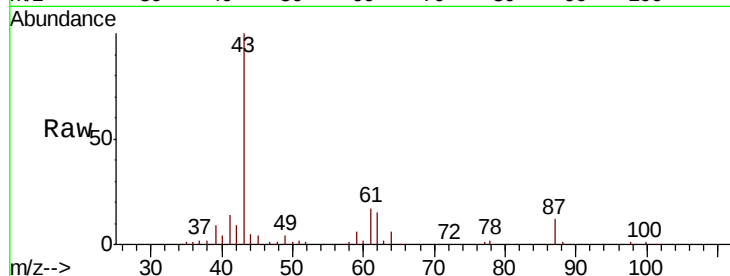
Tgt Ion: 43 Resp: 28026

Ion Ratio Lower Upper

43 100

61 28.1 21.1 31.7

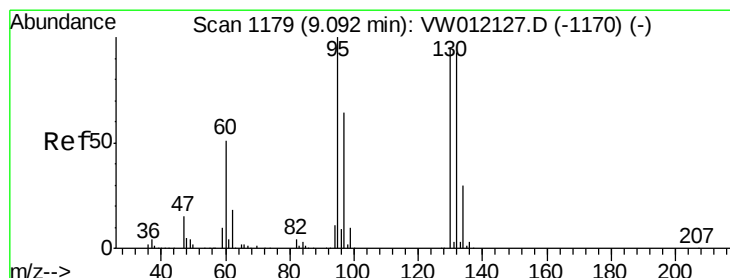
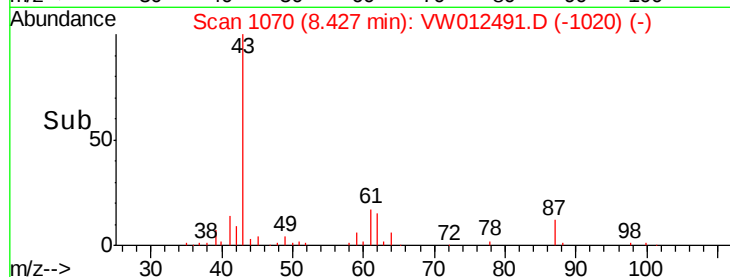
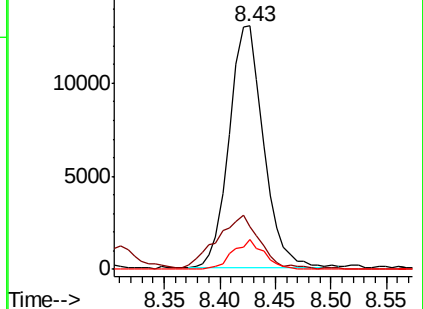
87 11.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 10.092 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012491.D

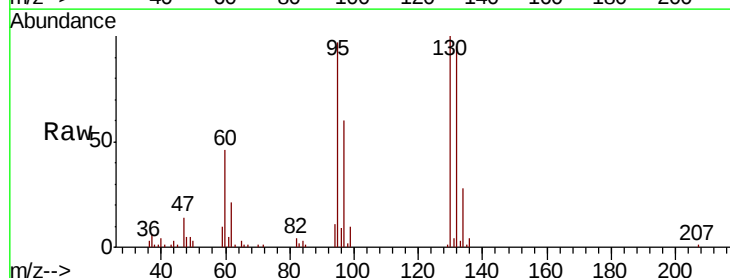
Acq: 02 Sep 2019 11:50

Tgt Ion: 130 Resp: 20660

Ion Ratio Lower Upper

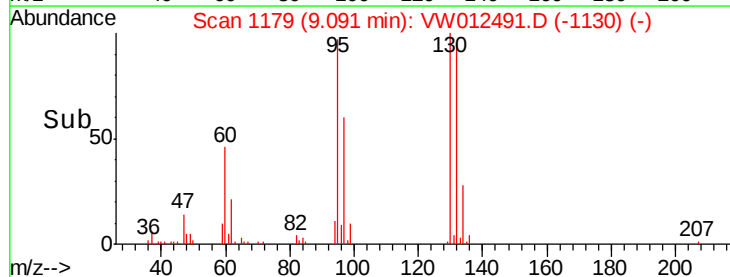
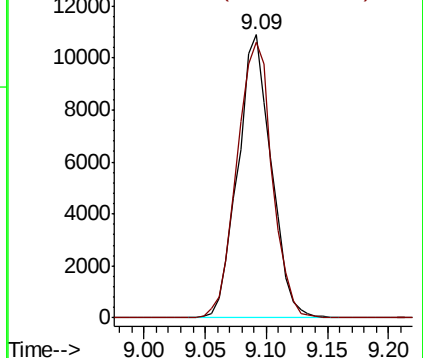
130 100

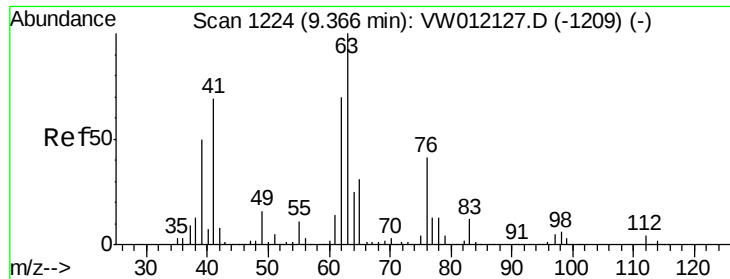
95 97.3 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 9.787 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

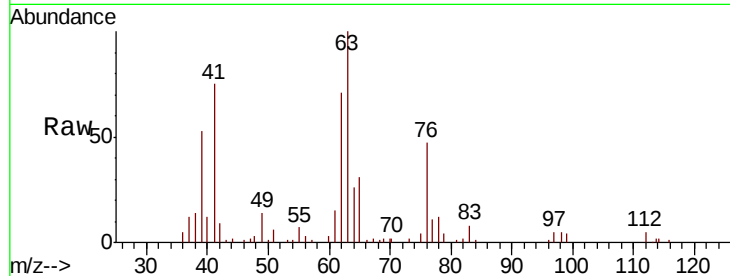
VW0902SBSD01

Tgt Ion: 63 Resp: 22180

Ion Ratio Lower Upper

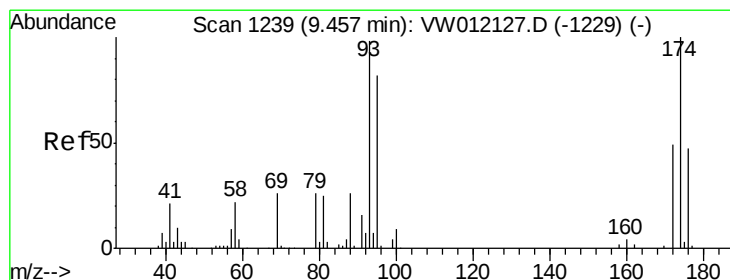
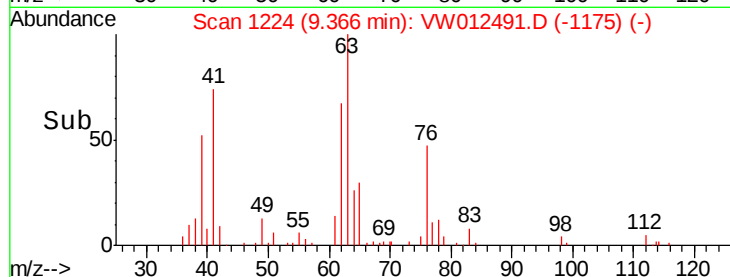
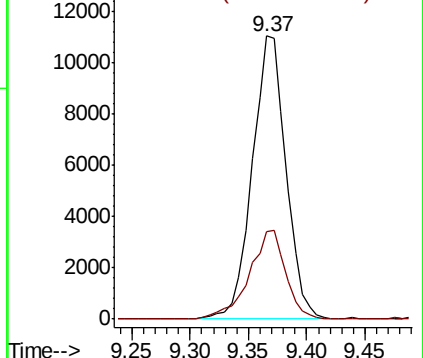
63 100

65 30.8 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 9.888 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

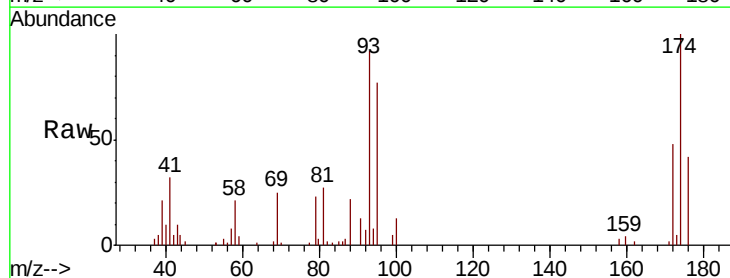
Tgt Ion: 93 Resp: 9971

Ion Ratio Lower Upper

93 100

95 81.3 67.2 100.8

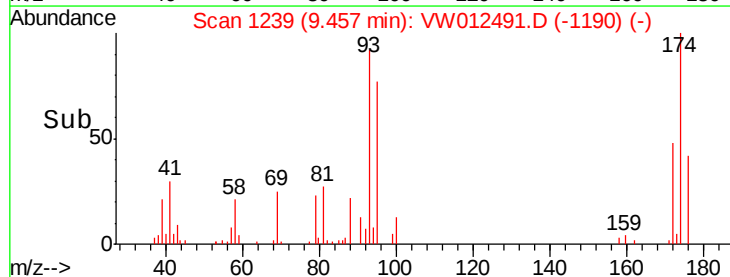
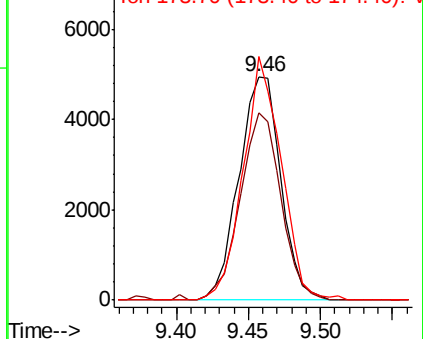
174 98.8 79.0 118.6



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: 9.974 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

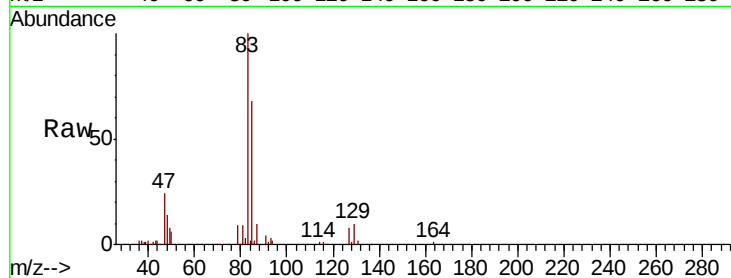
Tgt Ion: 83 Resp: 26768

Ion Ratio Lower Upper

83 100

85 67.7 49.4 74.2

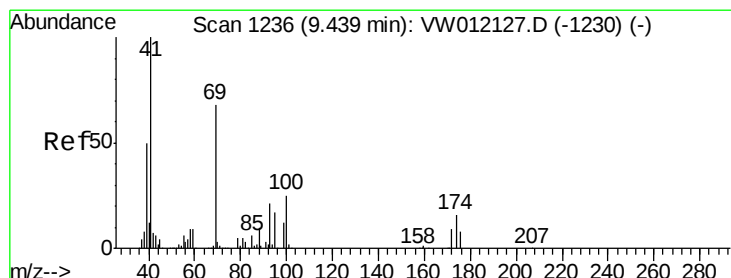
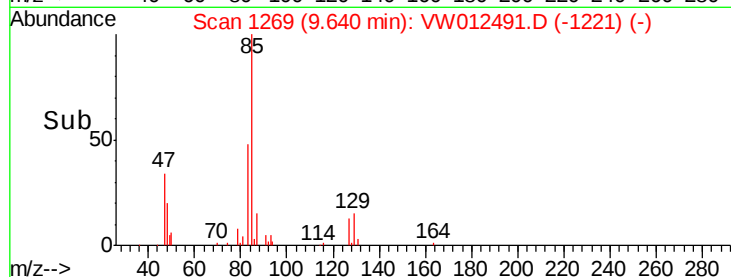
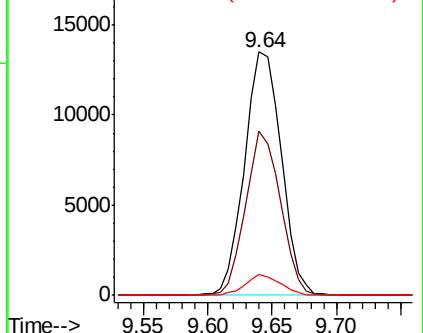
127 8.5 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 8.994 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

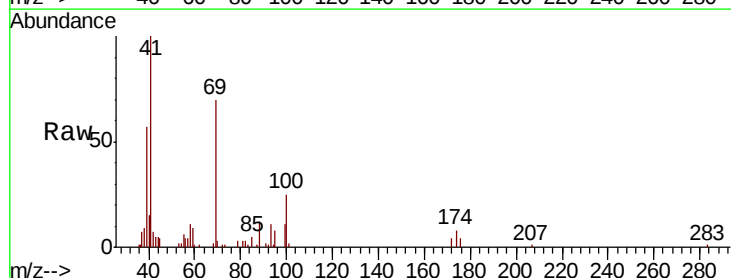
Tgt Ion: 41 Resp: 13400

Ion Ratio Lower Upper

41 100

69 75.4 56.7 85.1

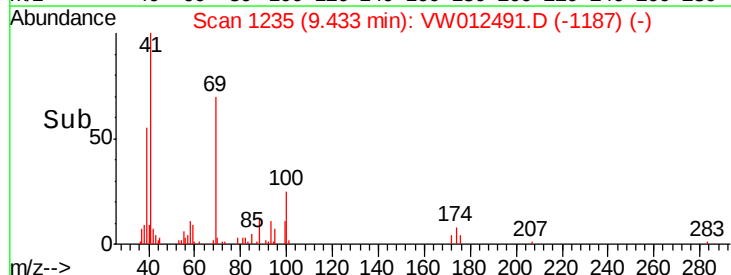
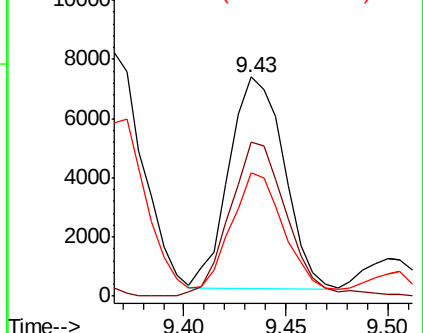
39 57.0 42.0 63.0

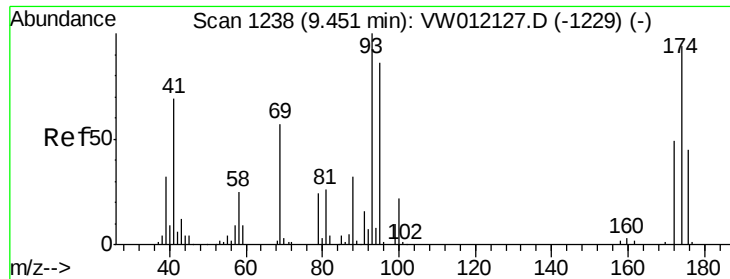


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 212.091 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

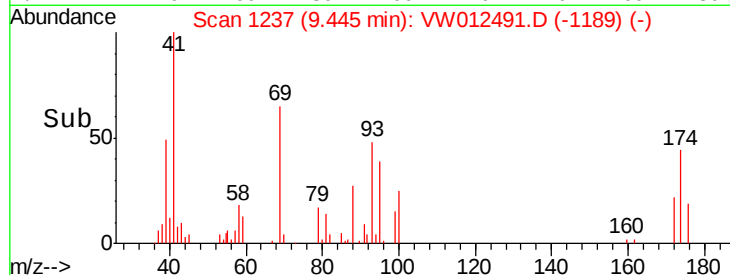
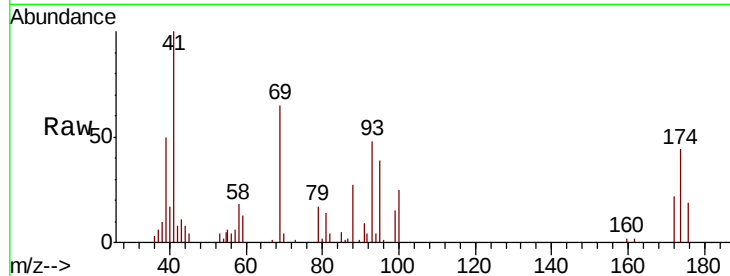
Tgt Ion: 88 Resp: 3274

Ion Ratio Lower Upper

88 100

43 47.9 32.9 49.3

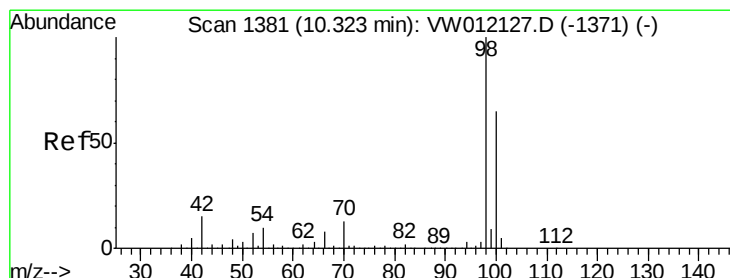
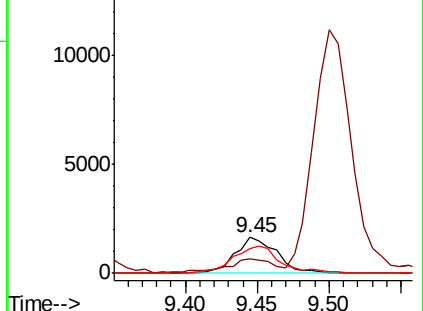
58 87.1 71.0 106.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.300 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012491.D

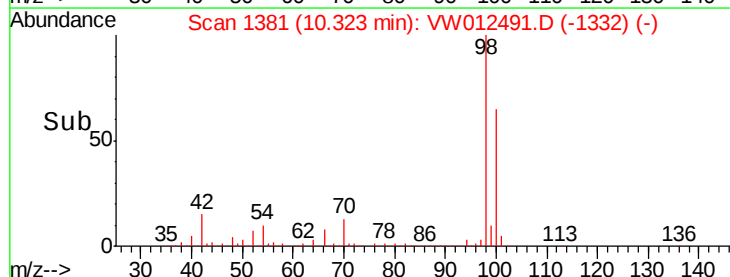
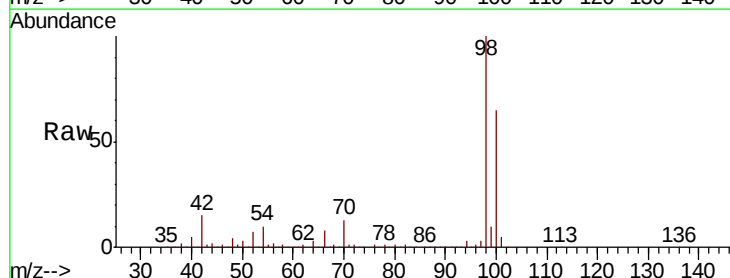
Acq: 02 Sep 2019 11:50

Tgt Ion: 98 Resp: 377756

Ion Ratio Lower Upper

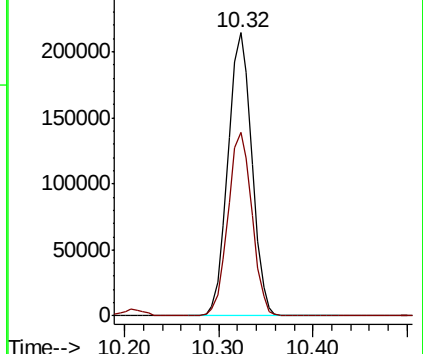
98 100

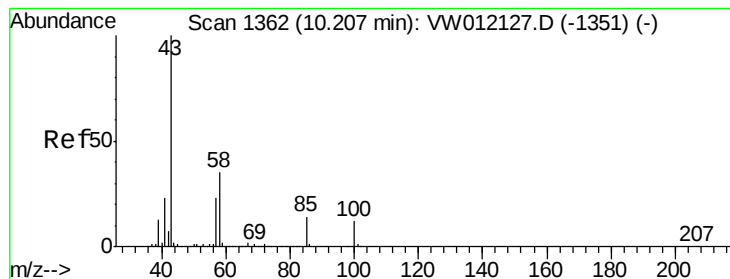
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 45.586 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

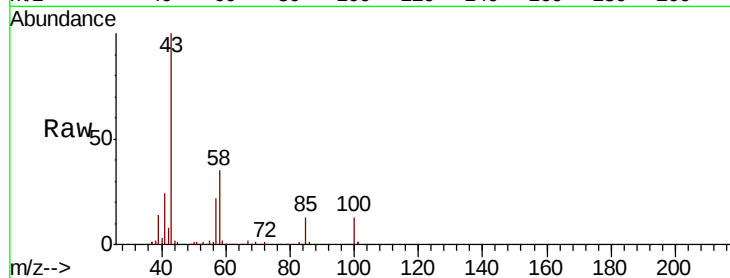
VW0902SBSD01

Tgt Ion: 43 Resp: 72581

Ion Ratio Lower Upper

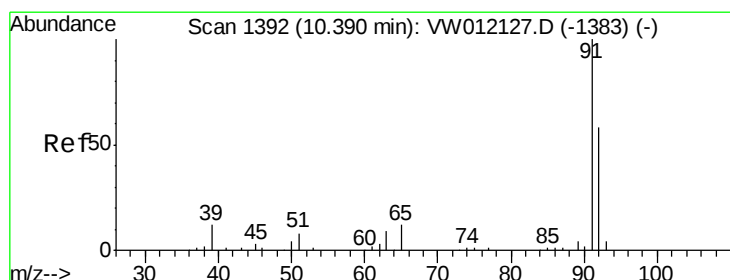
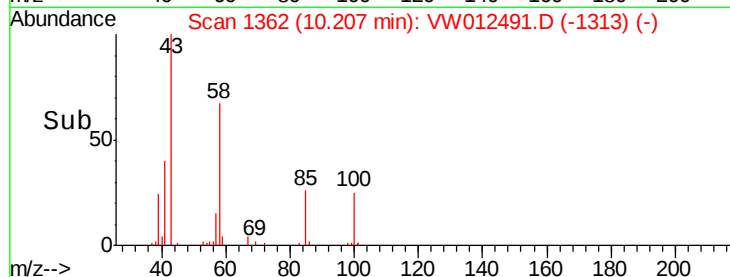
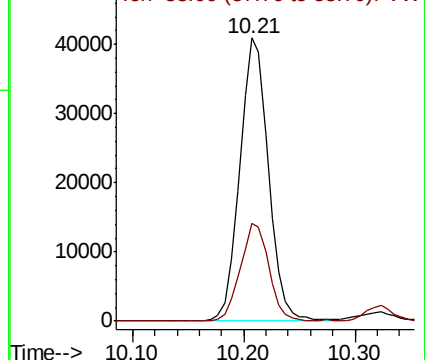
43 100

58 34.6 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 10.038 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012491.D

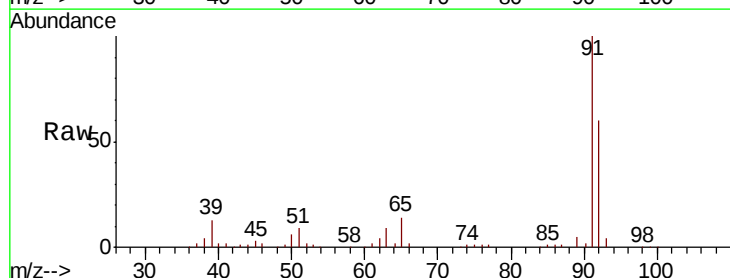
Acq: 02 Sep 2019 11:50

Tgt Ion: 92 Resp: 50780

Ion Ratio Lower Upper

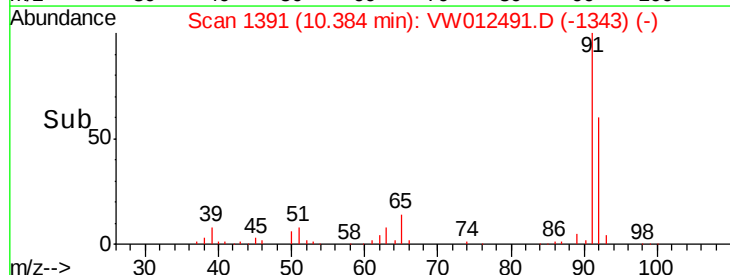
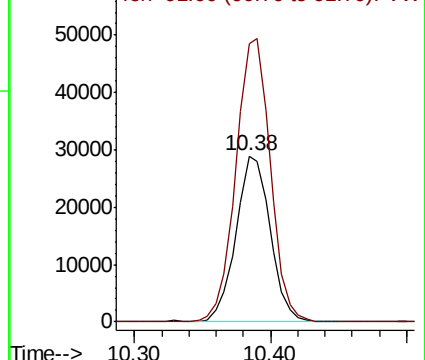
92 100

91 172.0 136.6 204.8



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: 9.439 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

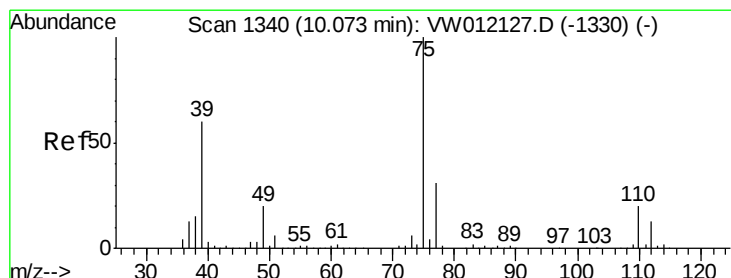
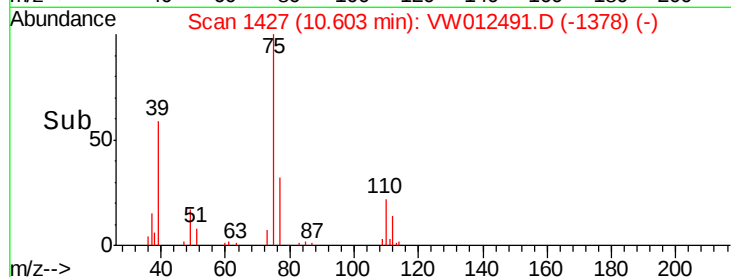
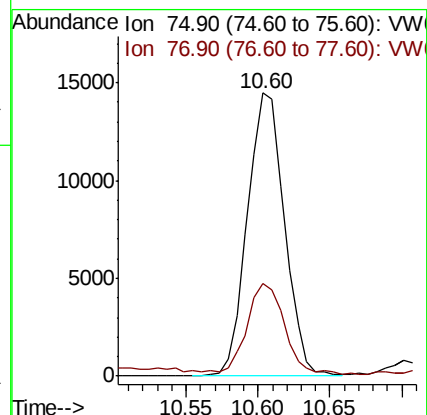
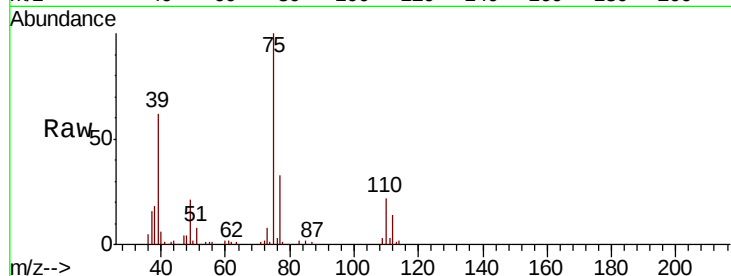
VW0902SBSD01

Tgt Ion: 75 Resp: 25802

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 9.550 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

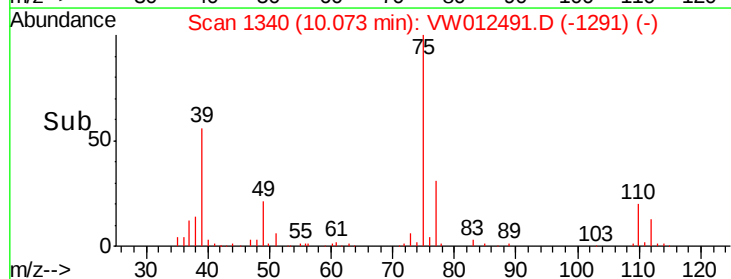
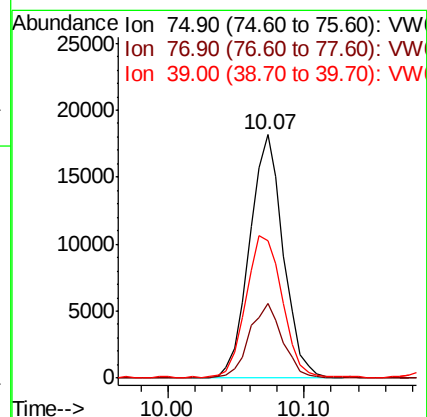
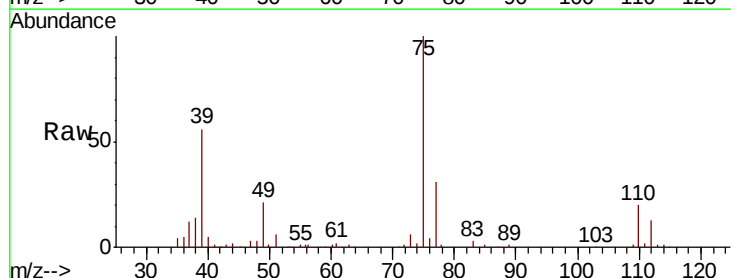
Tgt Ion: 75 Resp: 31521

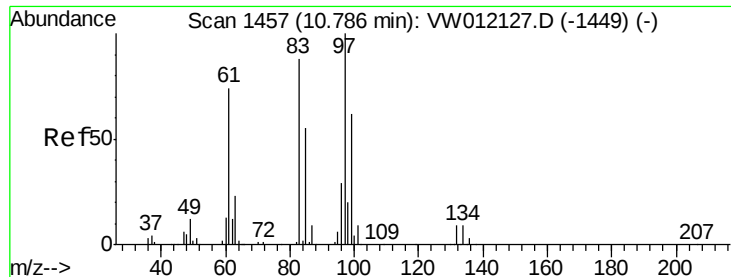
Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7

39 55.8 48.3 72.5

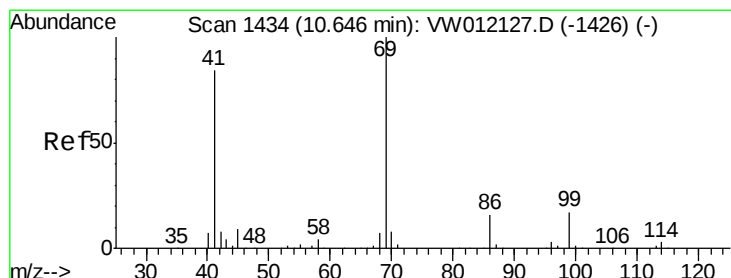
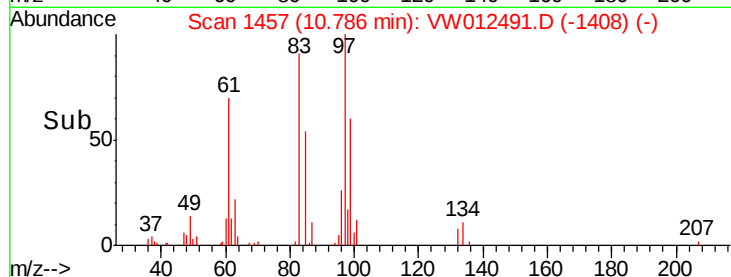
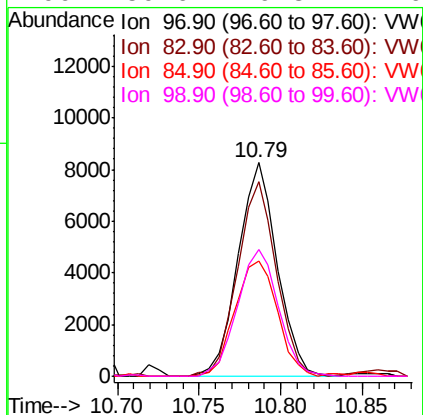
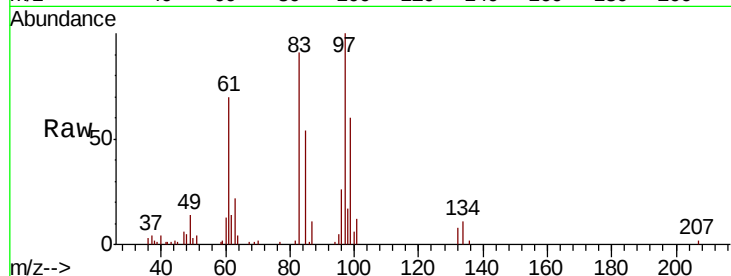




#55
 1,1,2-Trichloroethane
 Concen: 9.683 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

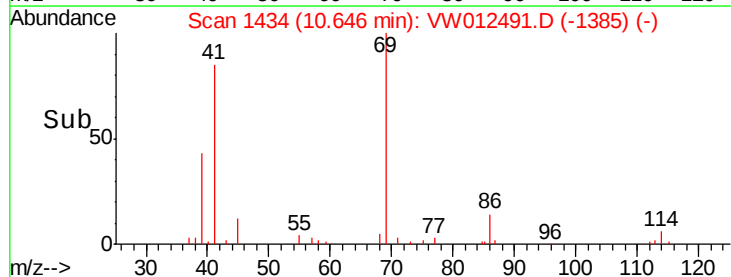
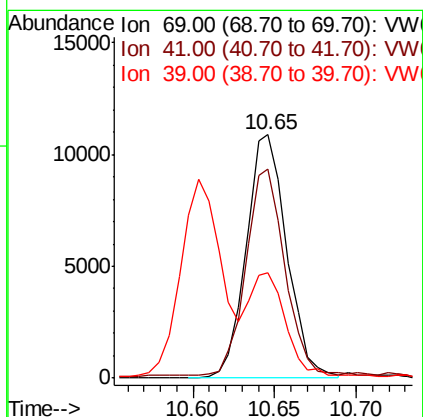
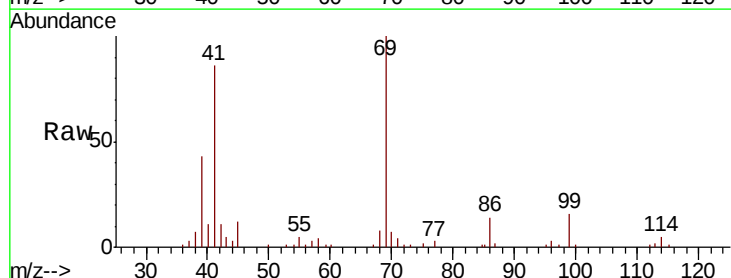
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tgt Ion:	97	Resp:	13815
Ion	Ratio	Lower	Upper
97	100		
83	91.4	70.8	106.2
85	54.1	43.8	65.8
99	59.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 9.095 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion:	69	Resp:	18885
Ion	Ratio	Lower	Upper
69	100		
41	81.9	66.5	99.7
39	39.7	31.0	46.4

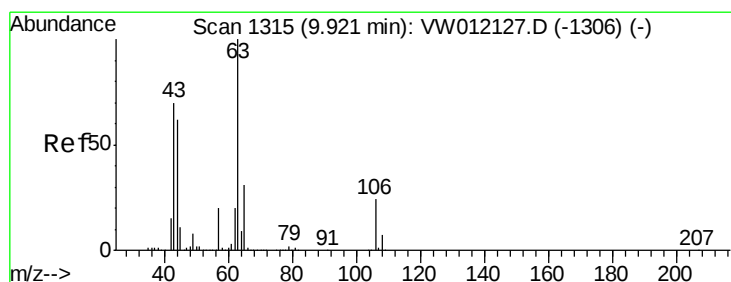
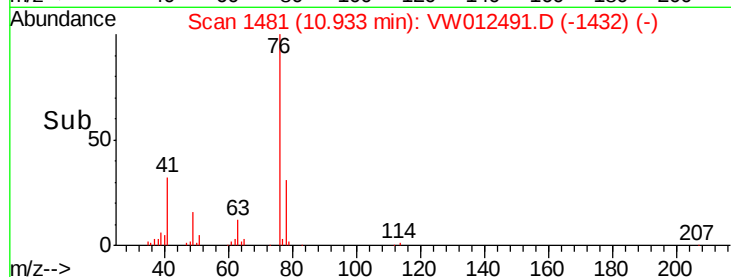
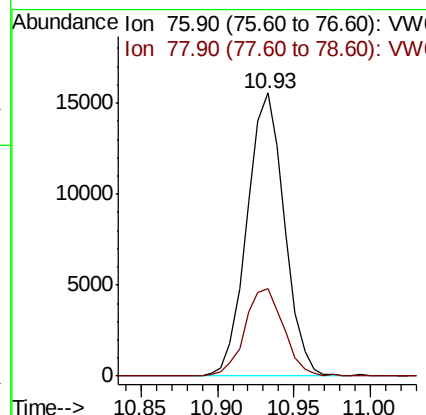
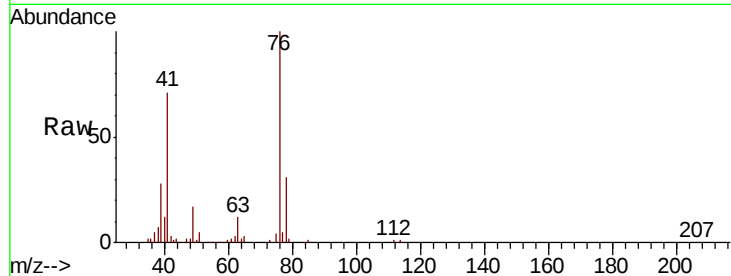




#57
 1,3-Dichloropropane
 Concen: 9.813 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

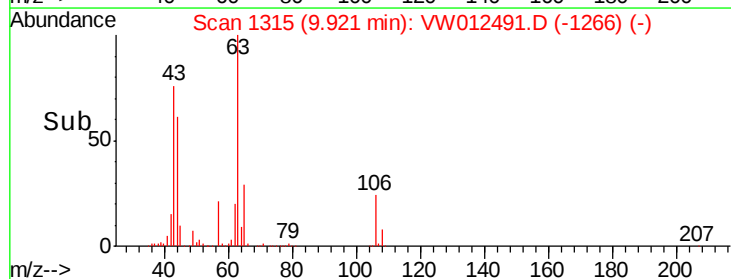
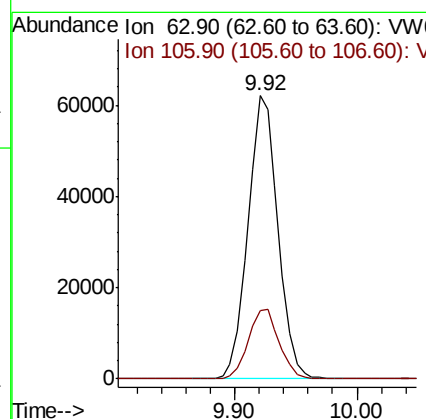
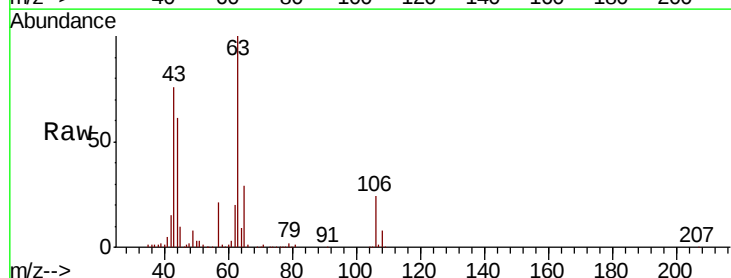
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

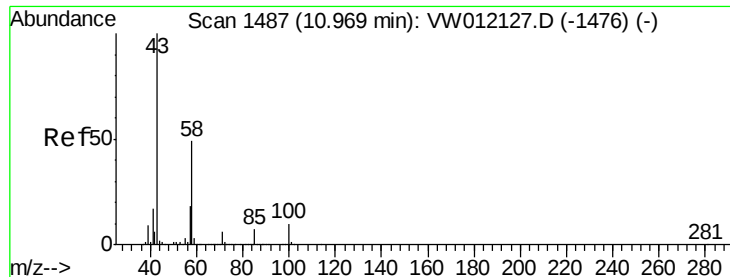
Tgt Ion: 76 Resp: 26456
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.920 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion: 63 Resp: 105416
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.8 29.8

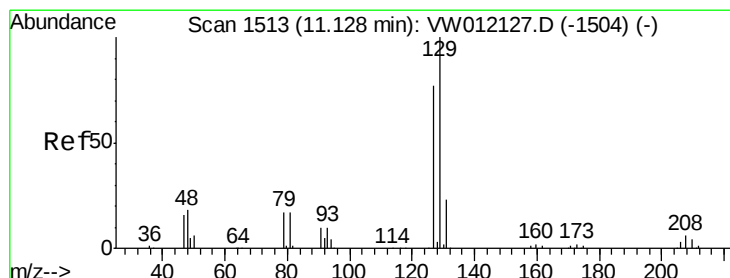
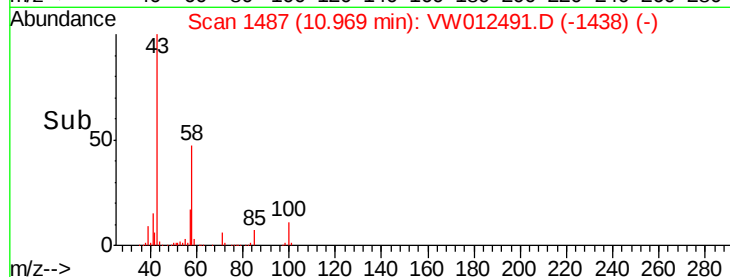
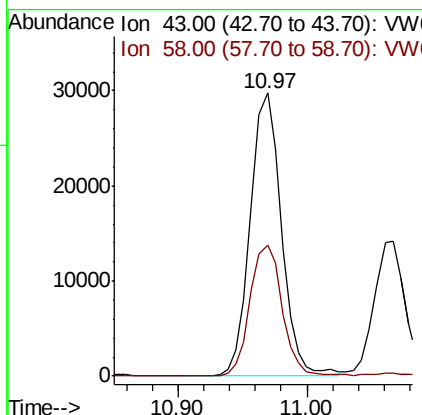
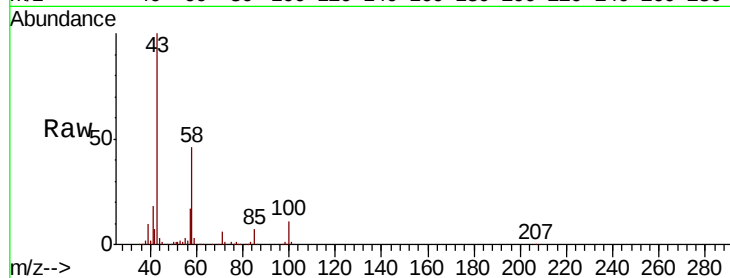




#59
2-Hexanone
Concen: 44.168 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

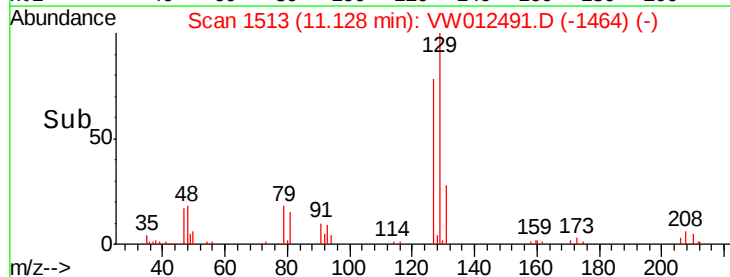
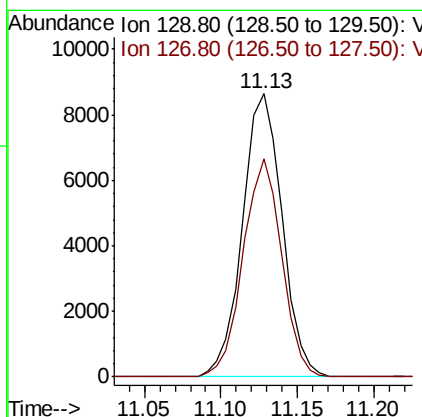
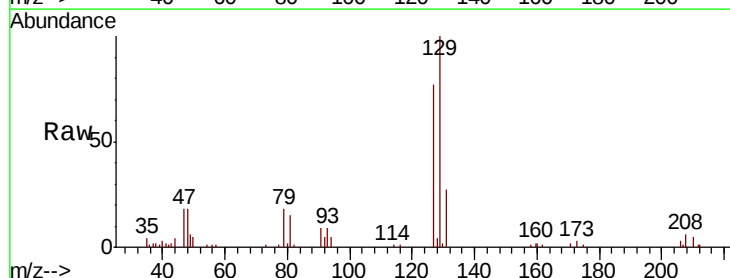
Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tgt Ion: 43 Resp: 49758
Ion Ratio Lower Upper
43 100
58 47.7 24.3 72.9



#60
Dibromochloromethane
Concen: 9.816 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion: 129 Resp: 15598
Ion Ratio Lower Upper
129 100
127 74.9 38.6 115.8

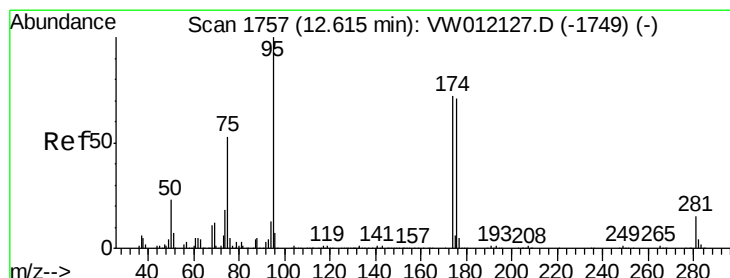
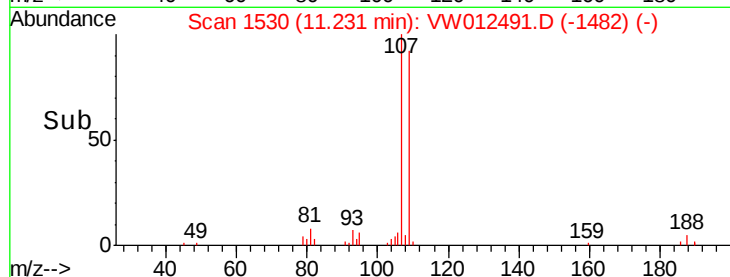
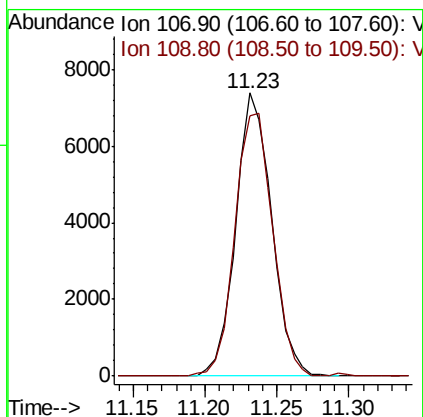
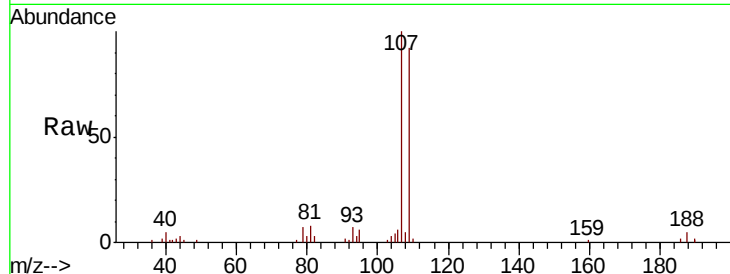




#61
 1,2-Dibromoethane
 Concen: 9.603 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

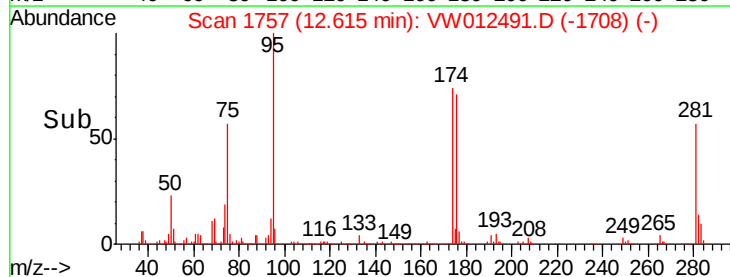
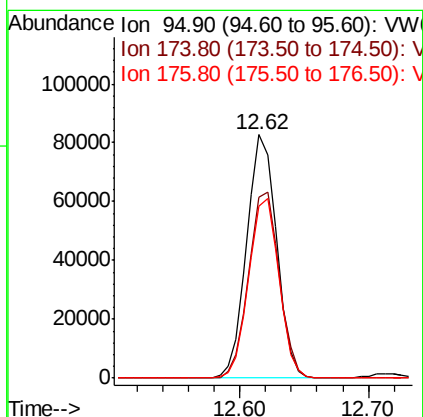
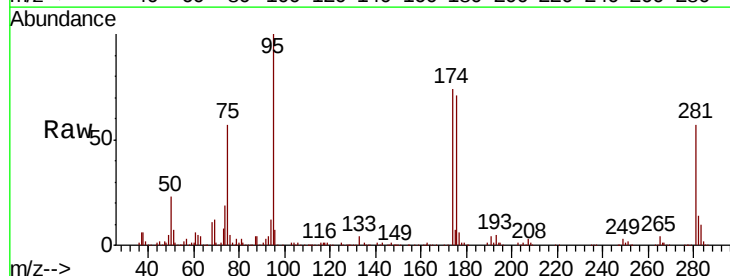
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

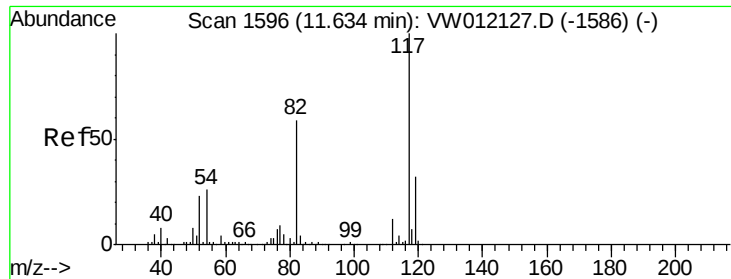
Tgt Ion: 107 Resp: 12764
 Ion Ratio Lower Upper
 107 100
 109 98.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.051 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion: 95 Resp: 132523
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 150.8
 176 74.6 0.0 148.6

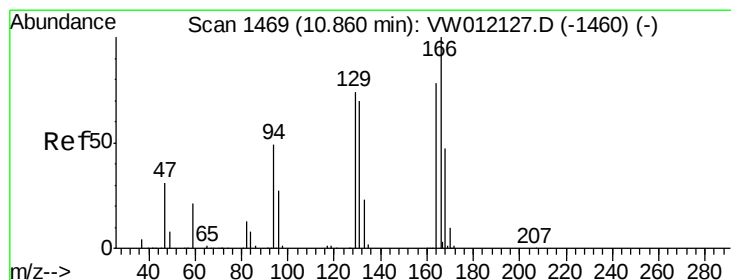
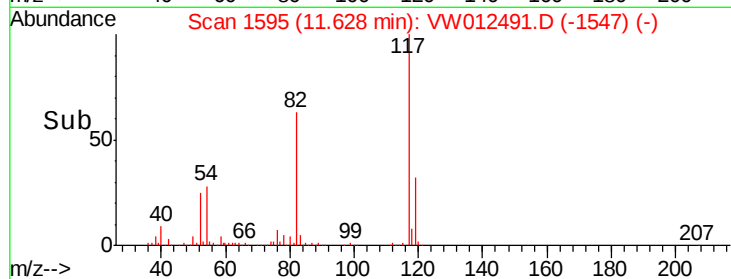
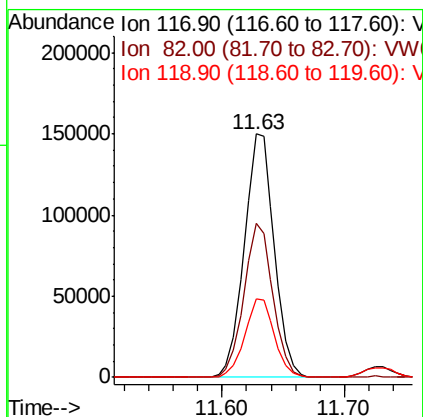
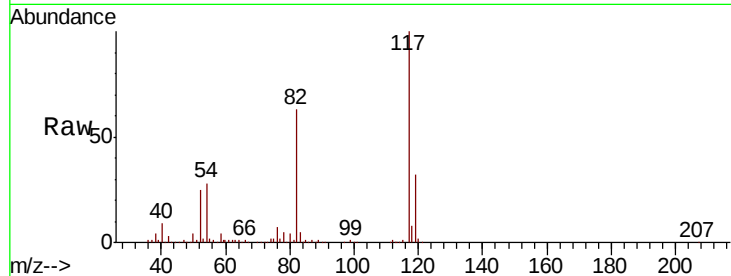




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

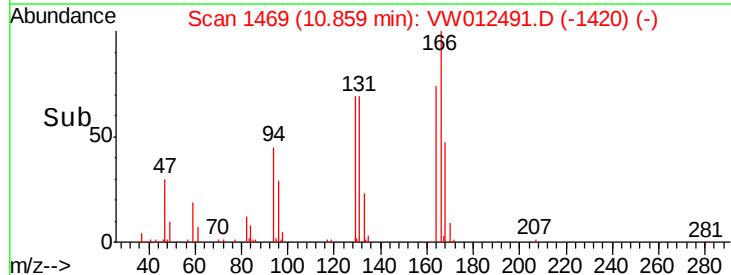
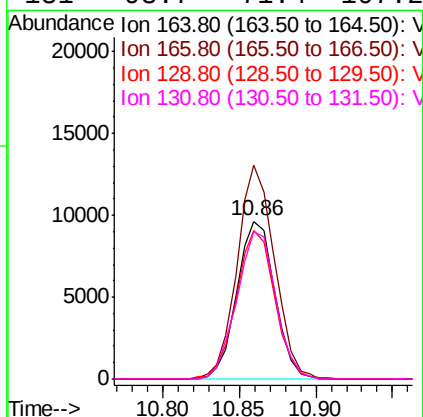
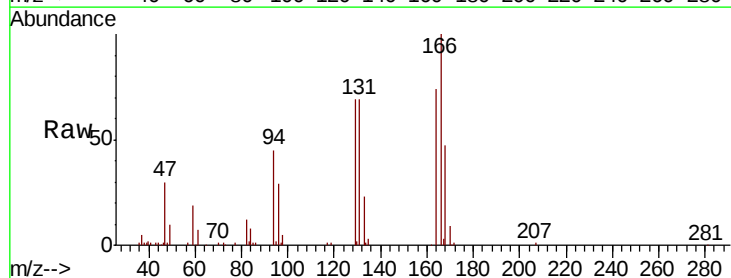
Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

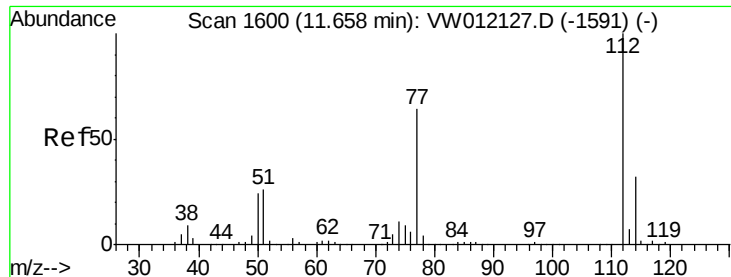
Tgt Ion:117 Resp: 254162
Ion Ratio Lower Upper
117 100
82 63.3 47.4 71.2
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 10.033 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion:164 Resp: 16533
Ion Ratio Lower Upper
164 100
166 135.5 102.4 153.6
129 94.1 75.8 113.6
131 93.7 71.4 107.2

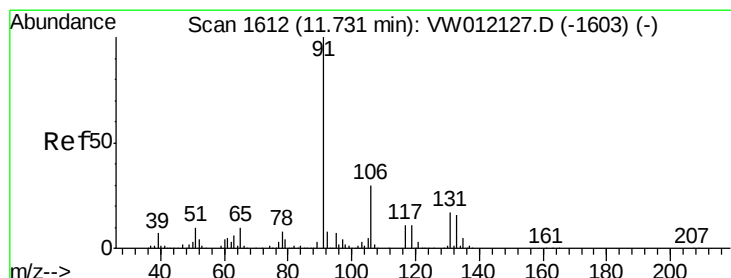
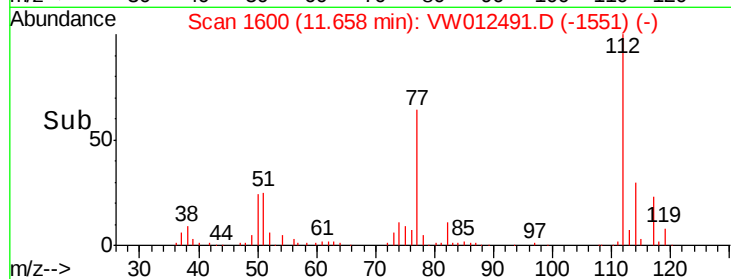
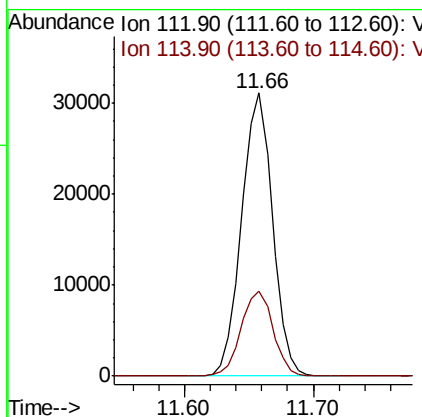
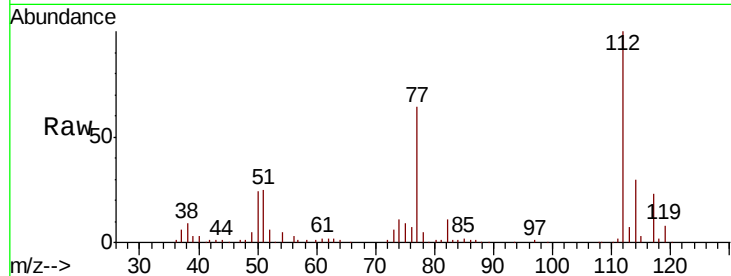




#65
Chlorobenzene
Concen: 10.322 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

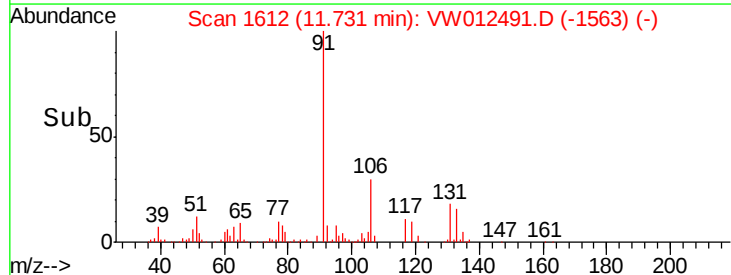
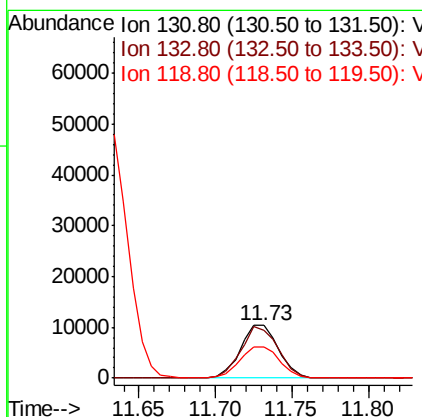
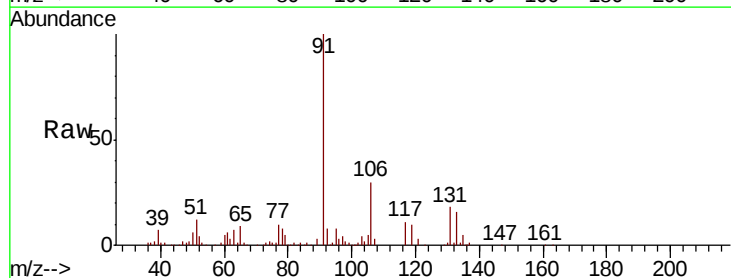
Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tgt Ion:112 Resp: 51656
Ion Ratio Lower Upper
112 100
114 30.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 10.298 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion:131 Resp: 17980
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 62.3 31.8 95.3

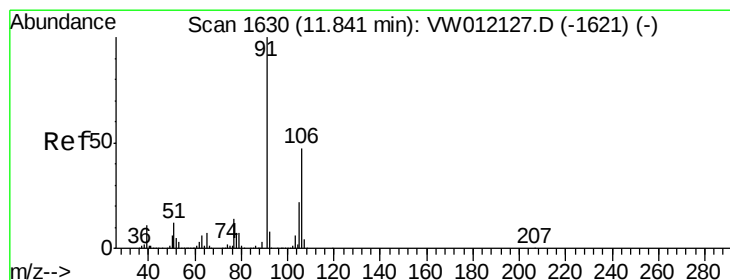
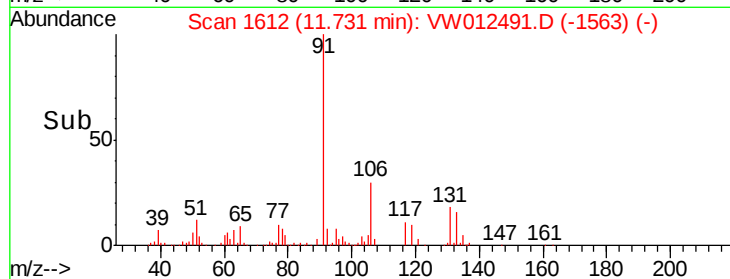
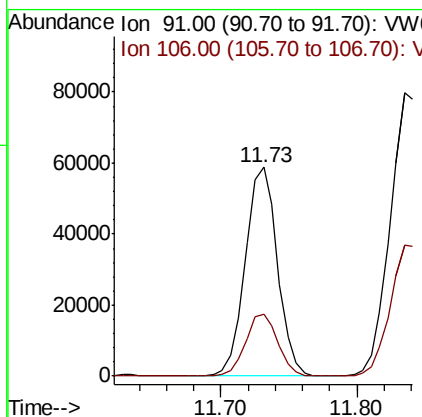
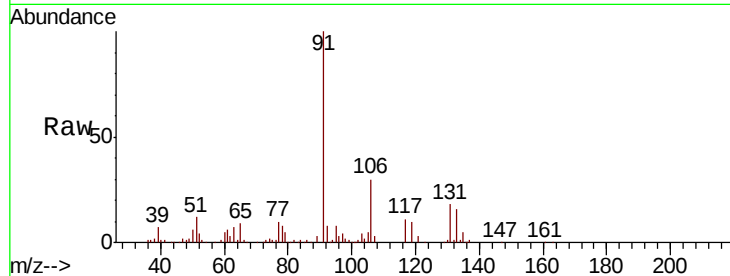




#67
Ethyl Benzene
Concen: 10.111 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

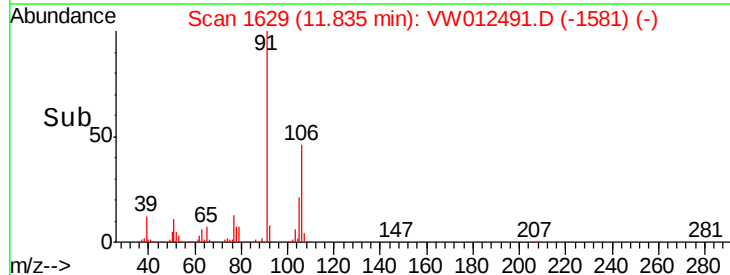
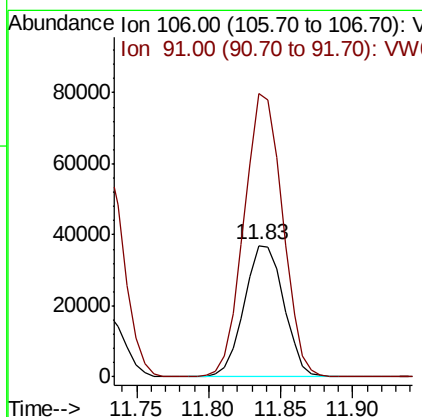
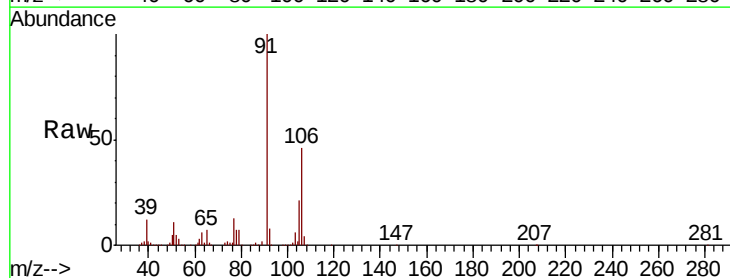
Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

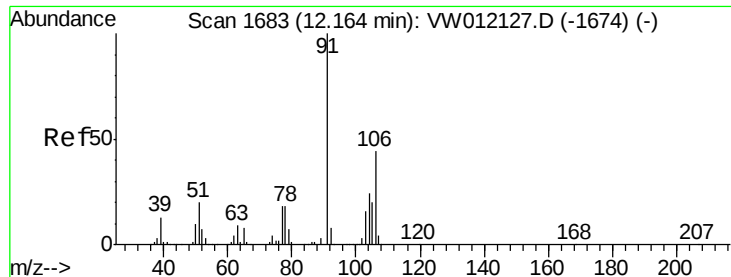
Tgt Ion: 91 Resp: 97481
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 20.280 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion: 106 Resp: 70427
Ion Ratio Lower Upper
106 100
91 211.1 169.5 254.3

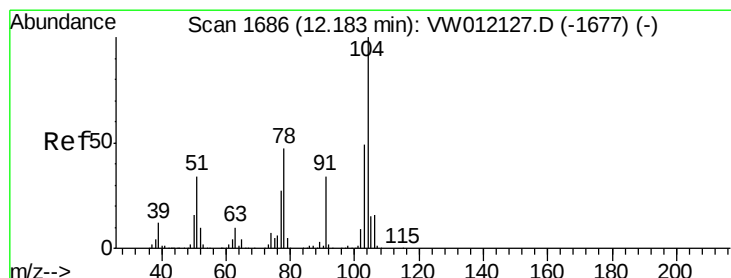
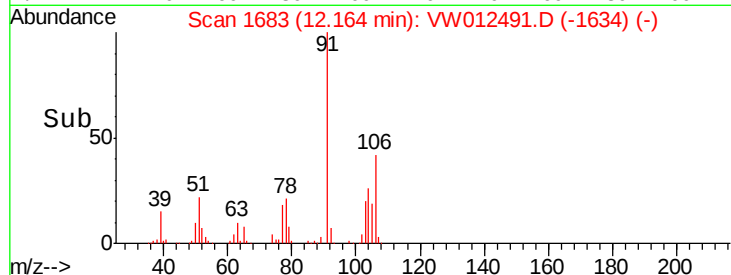
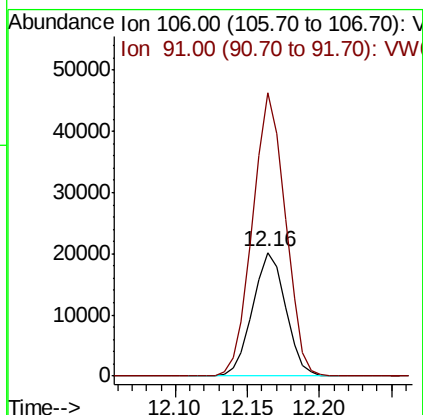
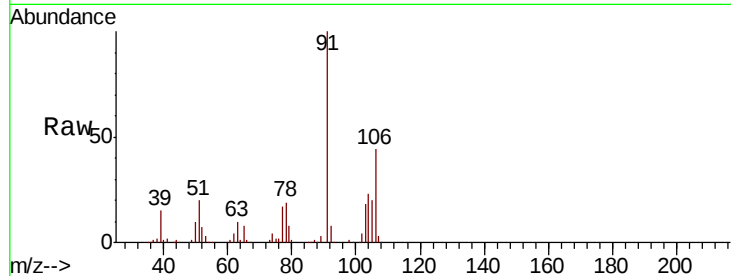




#69
o-Xylene
Concen: 9.962 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

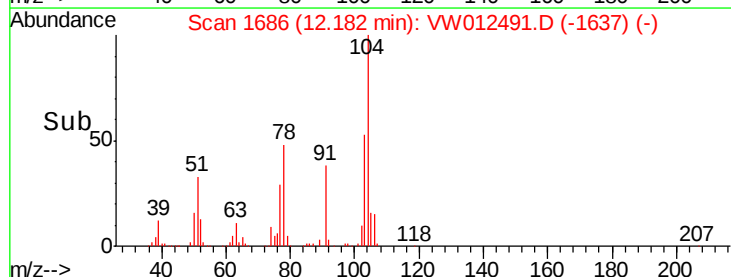
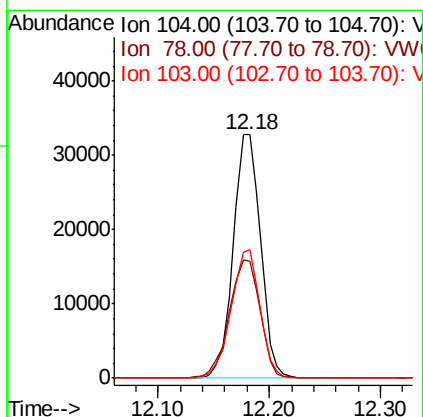
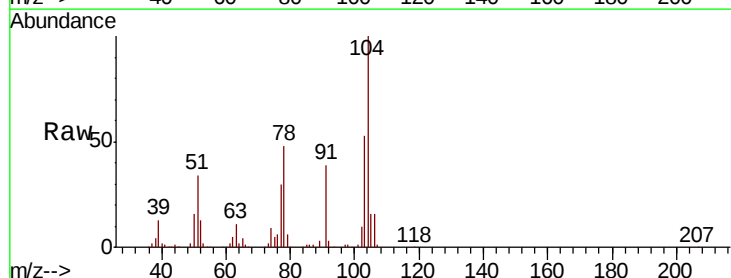
Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

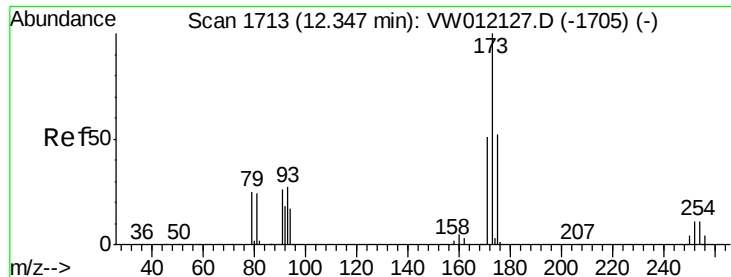
Tgt Ion:106 Resp: 32020
Ion Ratio Lower Upper
106 100
91 228.6 111.6 334.6



#70
Styrene
Concen: 9.984 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion:104 Resp: 55543
Ion Ratio Lower Upper
104 100
78 54.9 43.1 64.7
103 55.7 43.5 65.3





#71

Bromoform

Concen: 10.133 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

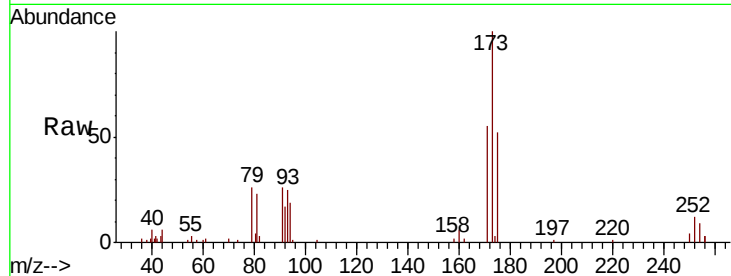
Tgt Ion:173 Resp: 8814

Ion Ratio Lower Upper

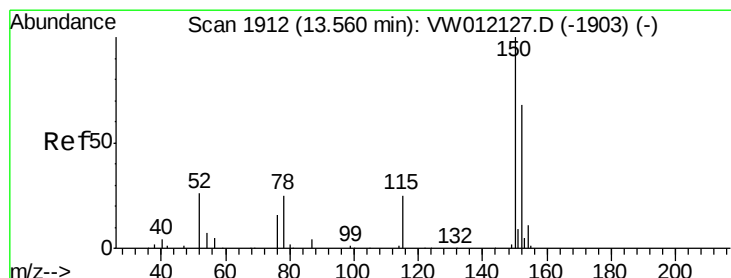
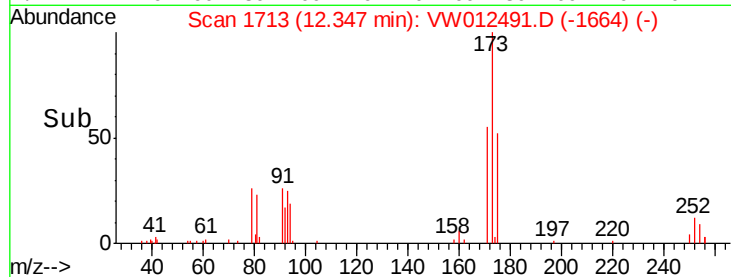
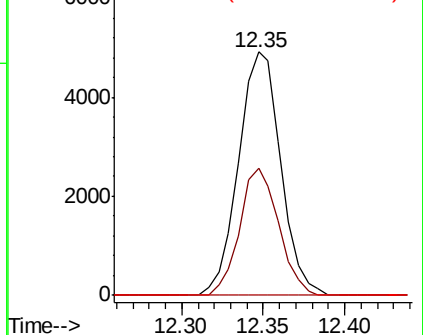
173 100

175 48.5 24.6 74.0

254 0.0 0.2 0.2#



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: VW012491.D

Acq: 02 Sep 2019 11:50

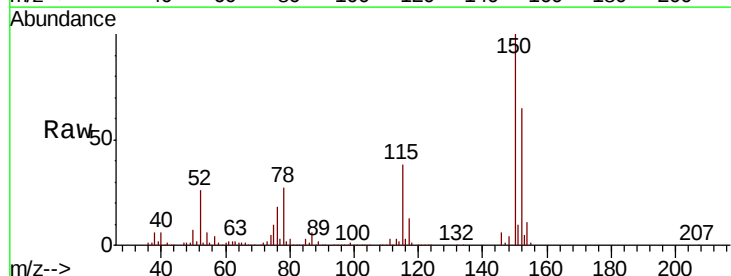
Tgt Ion:152 Resp: 123982

Ion Ratio Lower Upper

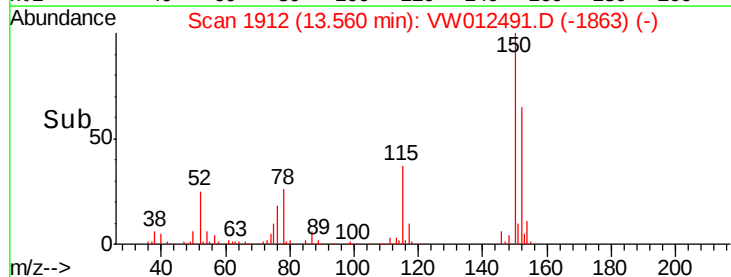
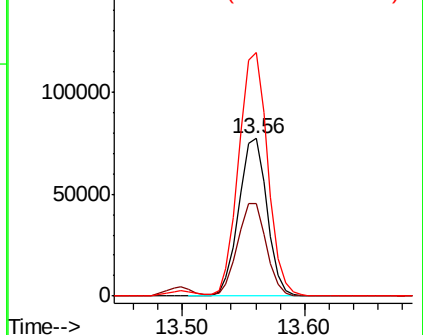
152 100

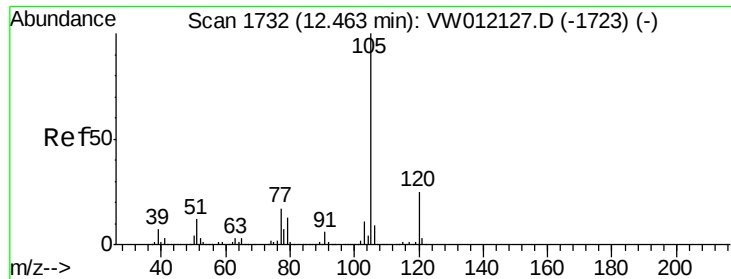
115 59.7 30.1 90.3

150 158.8 0.0 345.8



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: 9.994 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

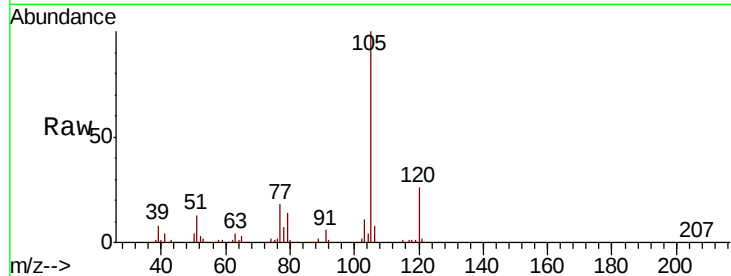
VW0902SBSD01

Tgt Ion:105 Resp: 92844

Ion Ratio Lower Upper

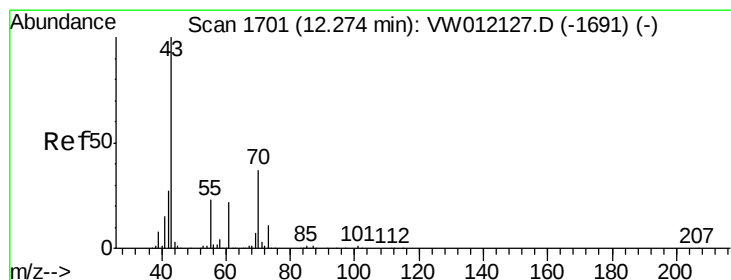
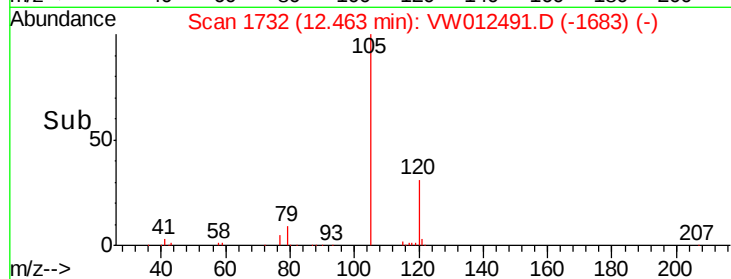
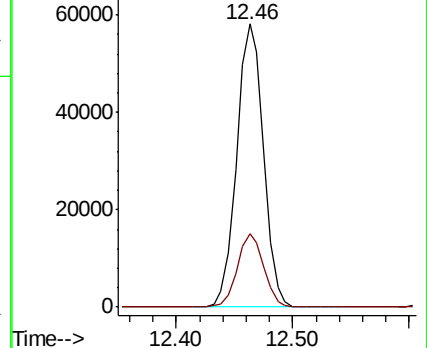
105 100

120 25.4 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.141 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion: 43 Resp: 25656

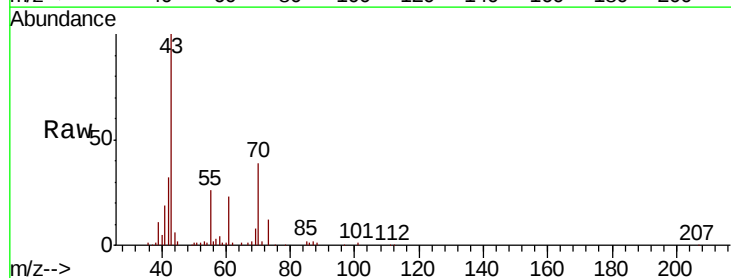
Ion Ratio Lower Upper

43 100

70 34.4 28.6 43.0

55 22.8 17.8 26.6

61 21.2 17.3 25.9

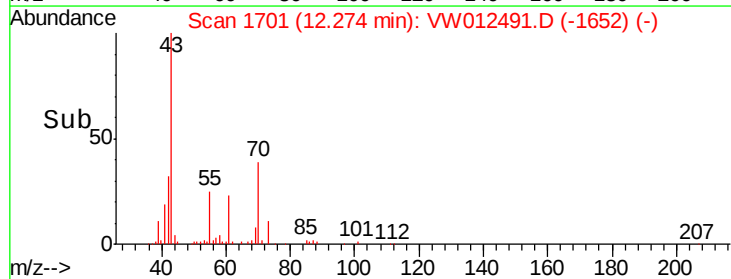
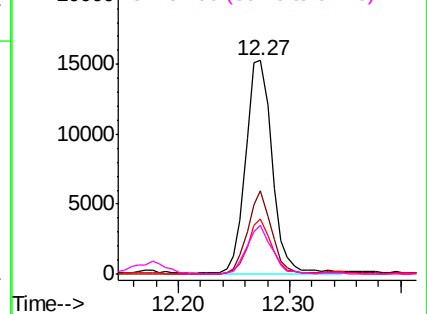


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 9.564 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

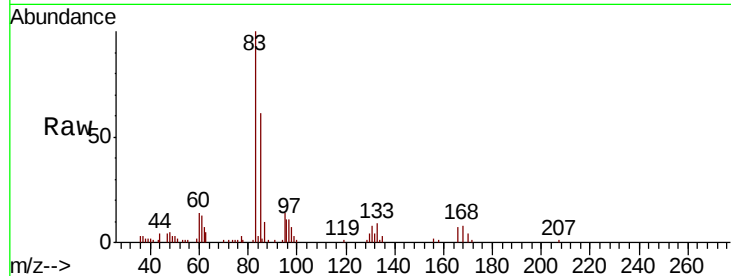
Tgt Ion: 83 Resp: 16289

Ion Ratio Lower Upper

83 100

131 10.8 4.9 14.7

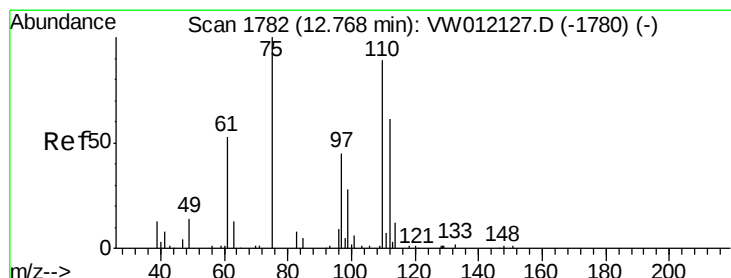
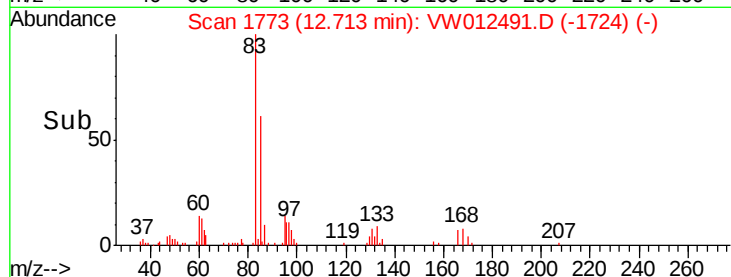
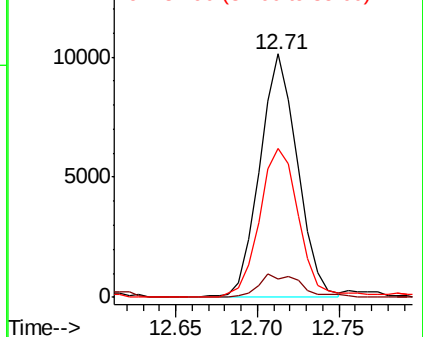
85 66.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 18.056 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012491.D

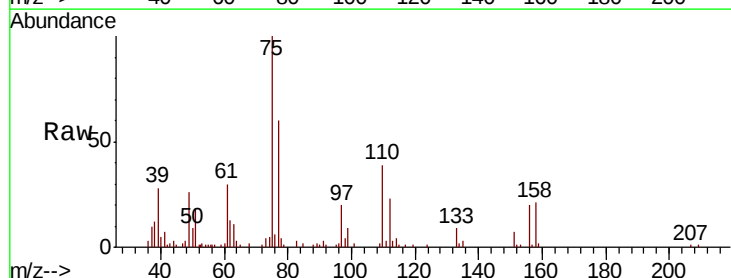
Acq: 02 Sep 2019 11:50

Tgt Ion: 75 Resp: 21803

Ion Ratio Lower Upper

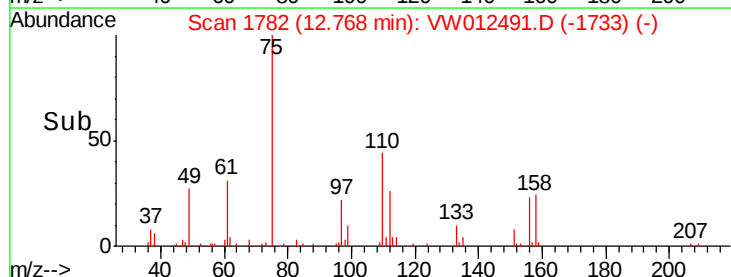
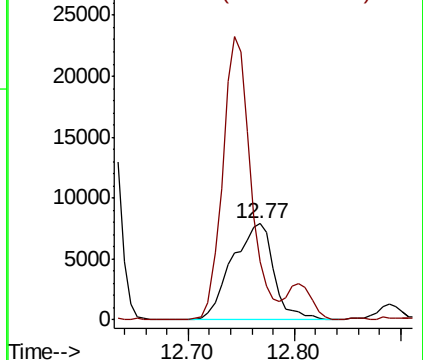
75 100

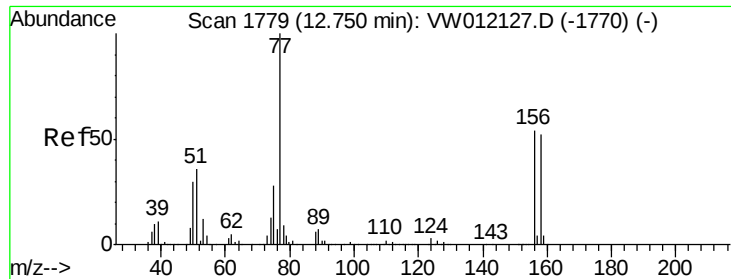
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.054 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

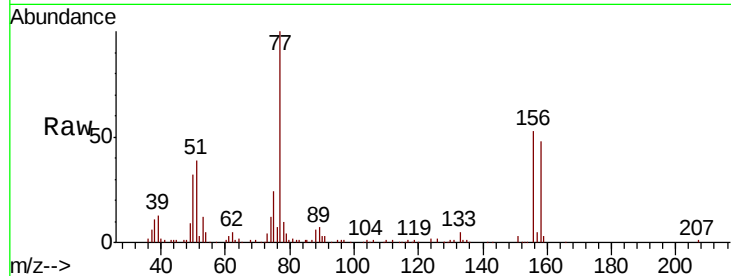
Tgt Ion:156 Resp: 20207

Ion Ratio Lower Upper

156 100

77 212.8 107.3 321.8

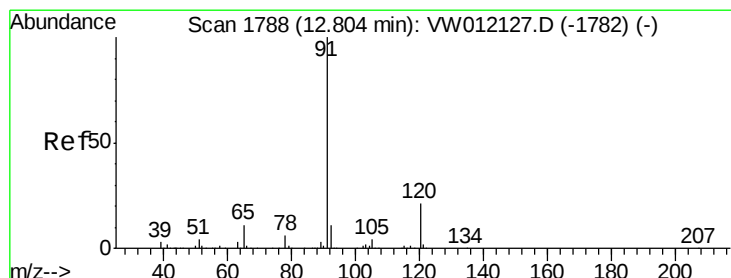
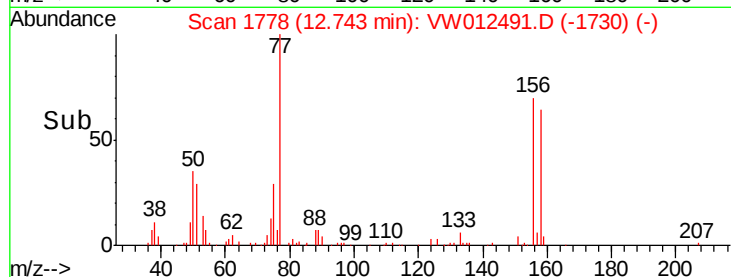
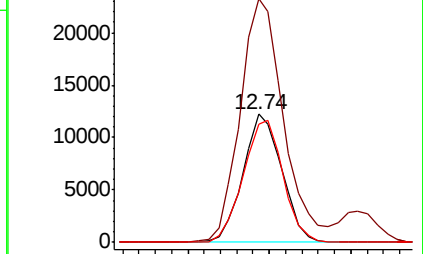
158 97.4 49.0 147.0



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: 10.030 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012491.D

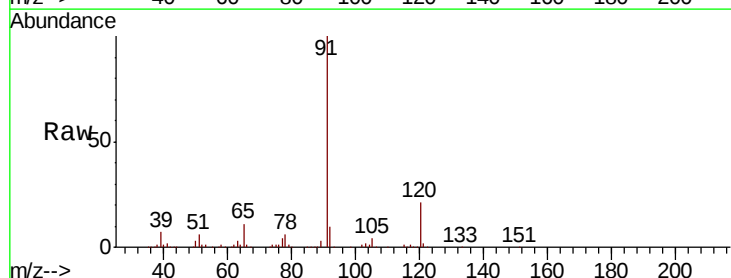
Acq: 02 Sep 2019 11:50

Tgt Ion: 91 Resp: 113756

Ion Ratio Lower Upper

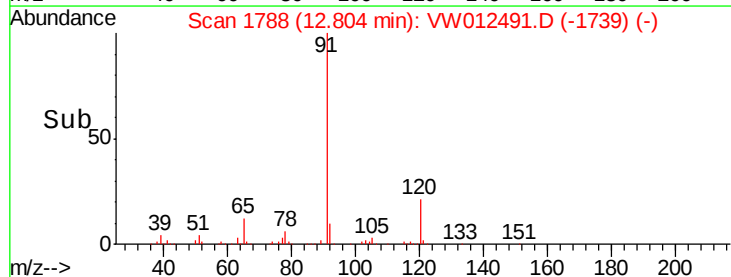
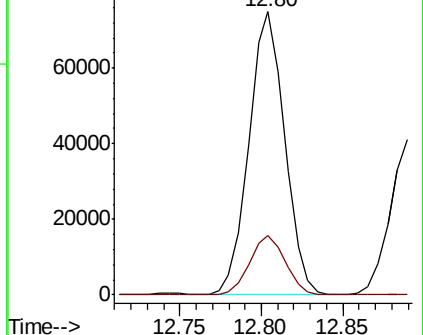
91 100

120 21.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.208 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

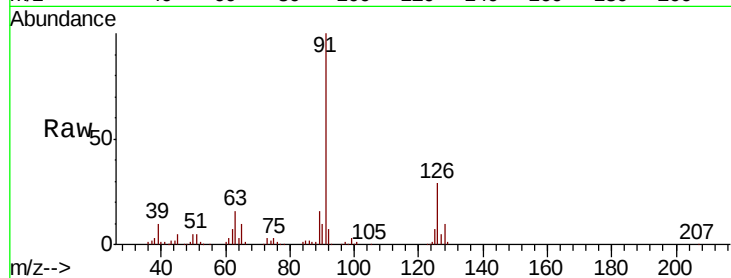
VW0902SBSD01

Tgt Ion: 91 Resp: 65729

Ion Ratio Lower Upper

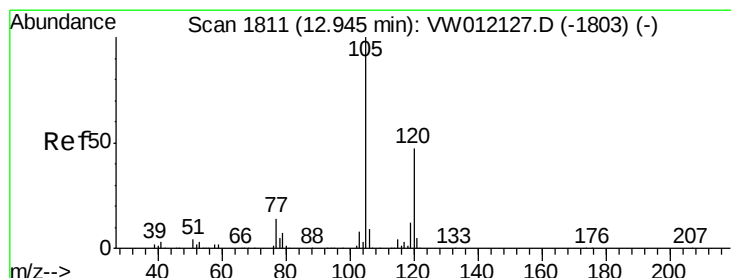
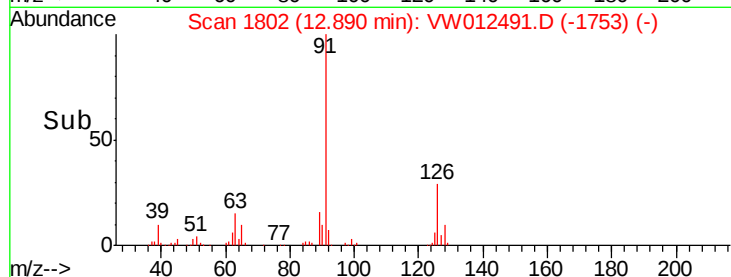
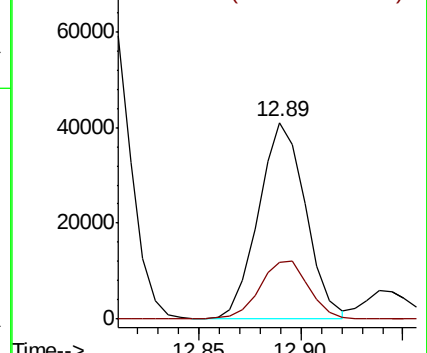
91 100

126 30.9 15.7 47.0



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: 10.050 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012491.D

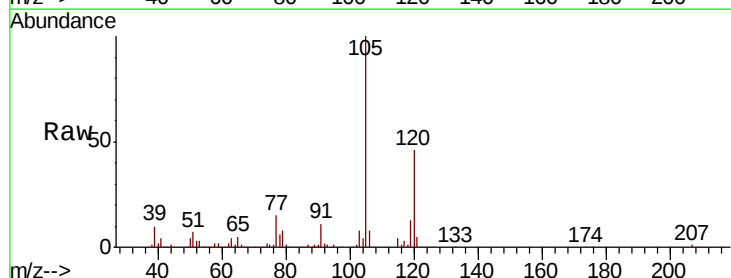
Acq: 02 Sep 2019 11:50

Tgt Ion: 105 Resp: 78020

Ion Ratio Lower Upper

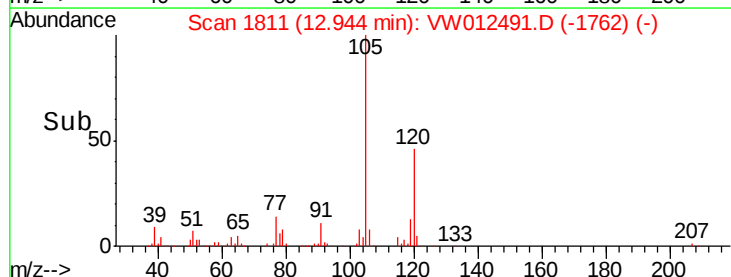
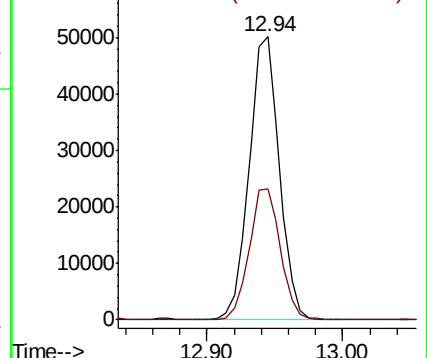
105 100

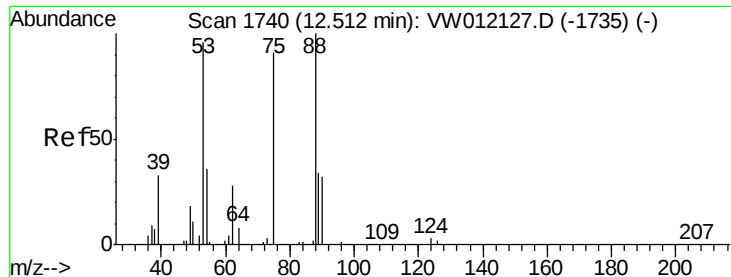
120 47.7 24.0 72.0



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: 8.788 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

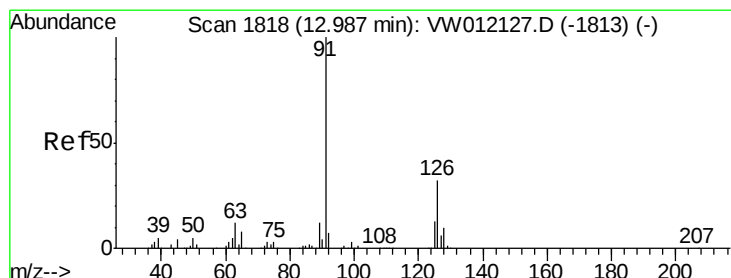
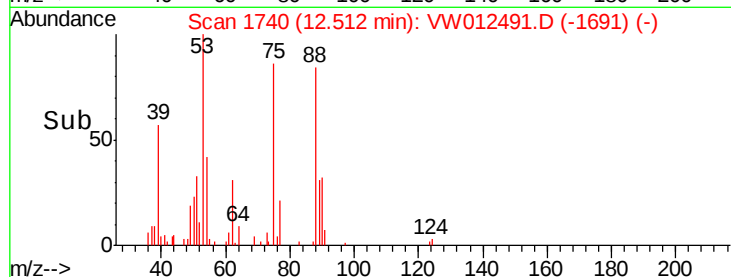
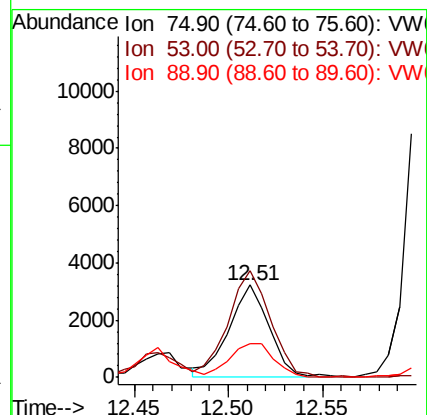
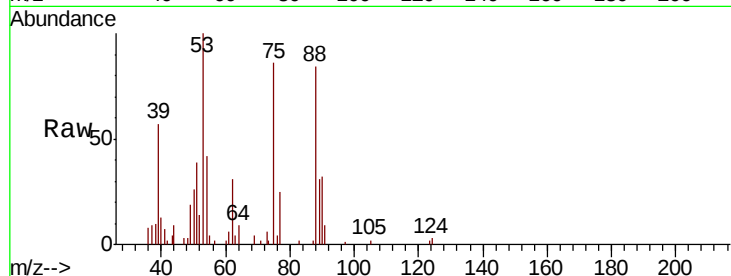
Tgt Ion: 75 Resp: 4840

Ion Ratio Lower Upper

75 100

53 119.9 89.4 134.0

89 39.9 34.5 51.7



#82

4-Chlorotoluene

Concen: 10.346 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012491.D

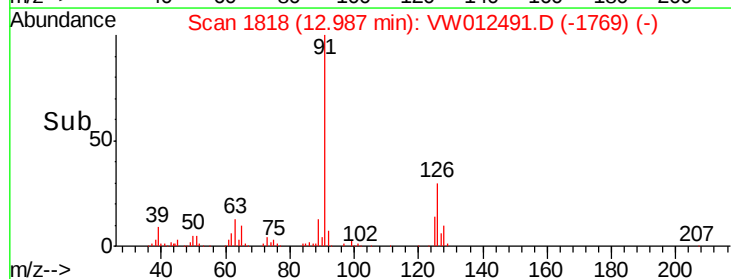
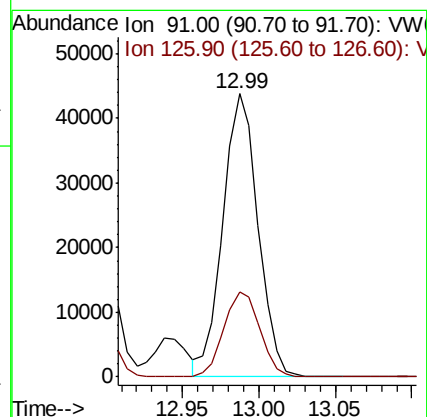
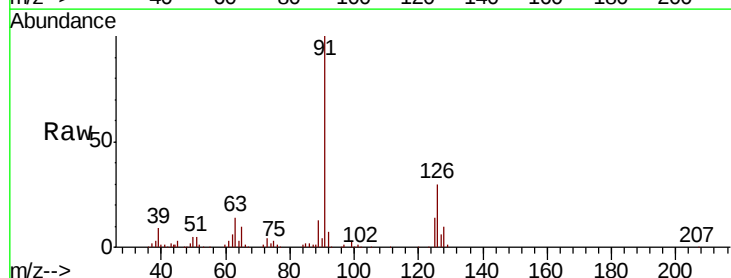
Acq: 02 Sep 2019 11:50

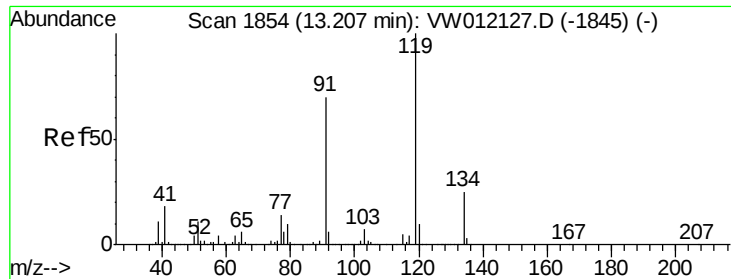
Tgt Ion: 91 Resp: 69754

Ion Ratio Lower Upper

91 100

126 30.9 15.6 46.8

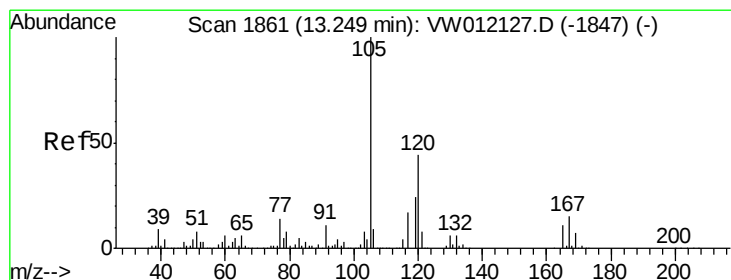
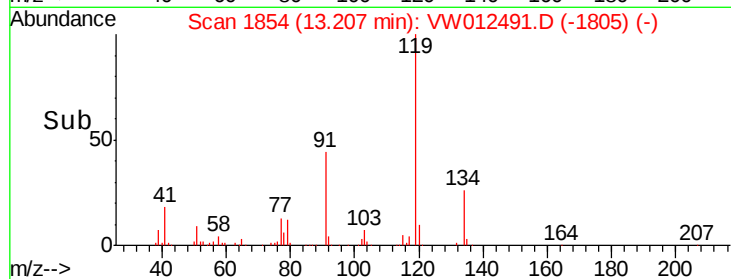
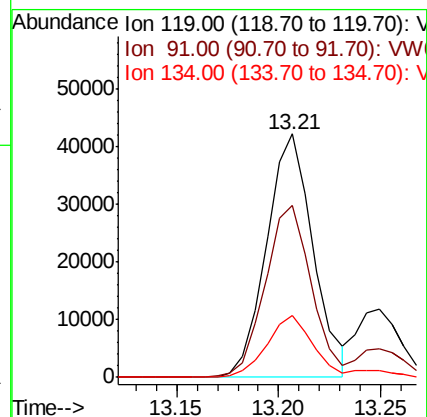
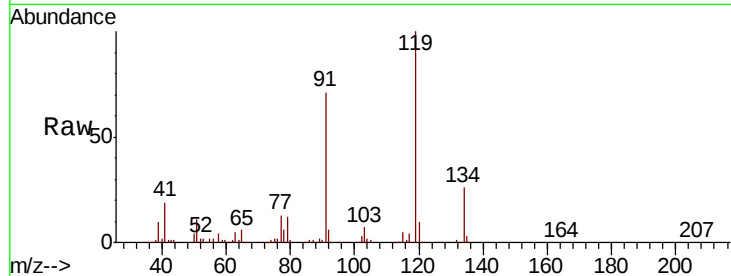




#83
tert-Butylbenzene
Concen: 10.219 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

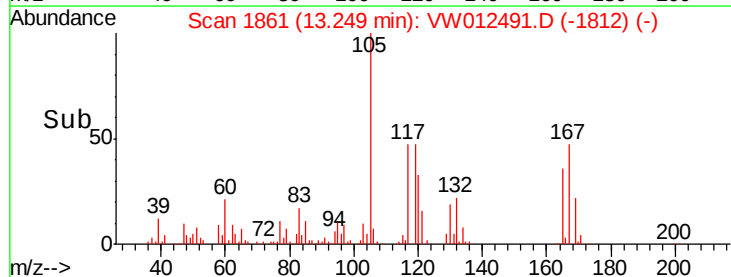
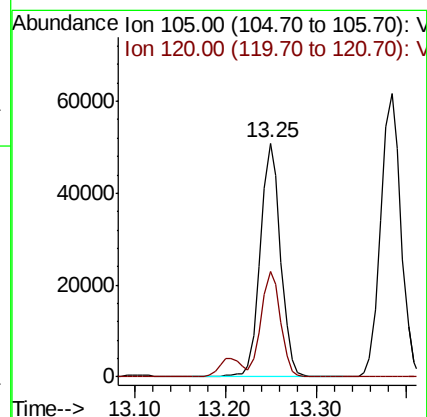
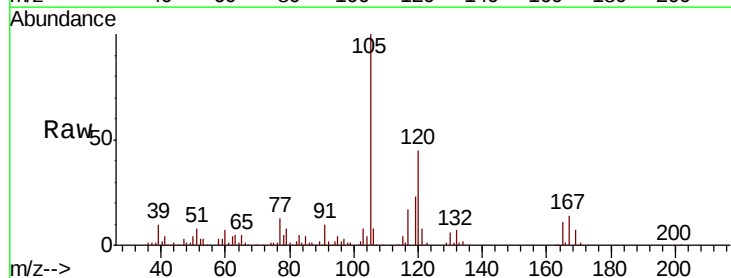
Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

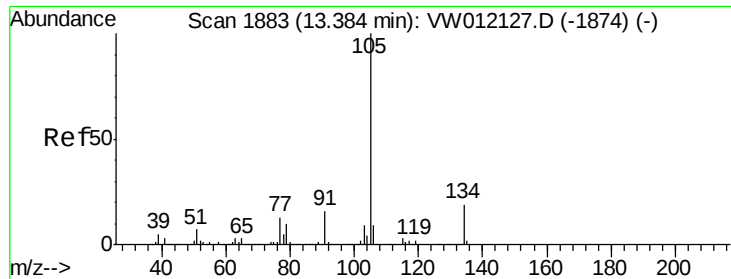
Tgt Ion:119 Resp: 67198
Ion Ratio Lower Upper
119 100
91 69.8 34.8 104.3
134 25.2 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 10.136 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion:105 Resp: 79040
Ion Ratio Lower Upper
105 100
120 43.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 10.115 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

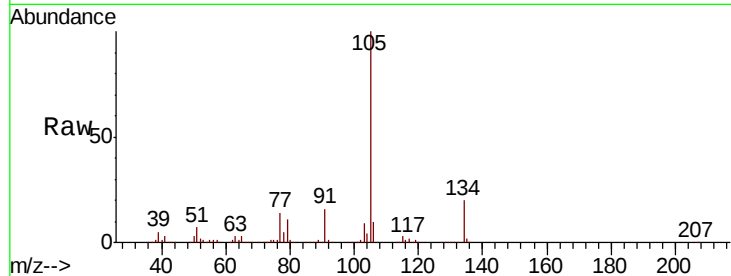
VW0902SBSD01

Tgt Ion:105 Resp: 95296

Ion Ratio Lower Upper

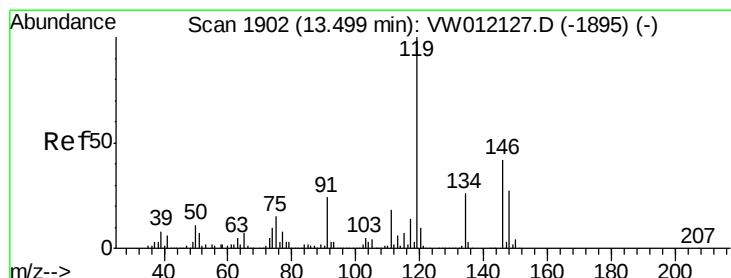
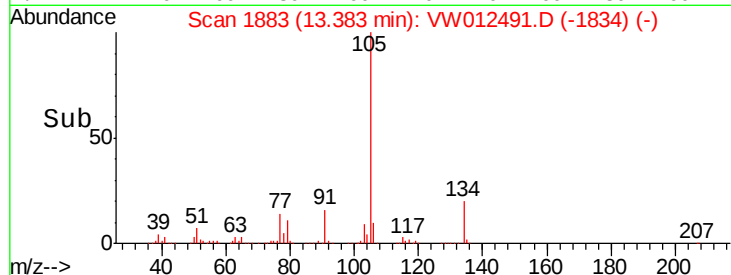
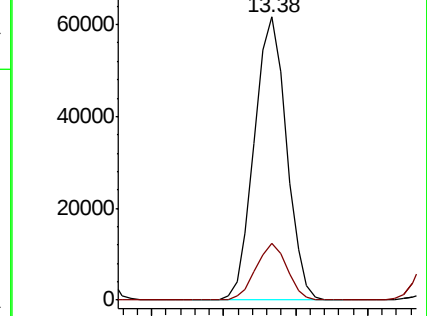
105 100

134 19.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.164 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

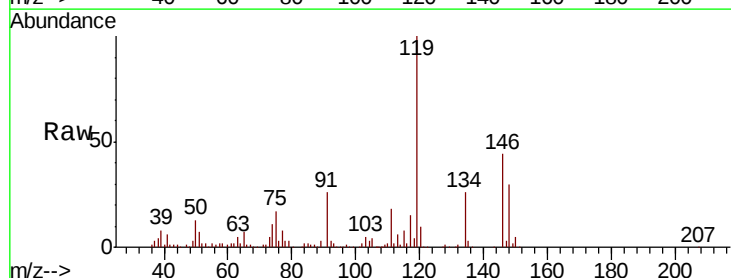
Tgt Ion:119 Resp: 85515

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

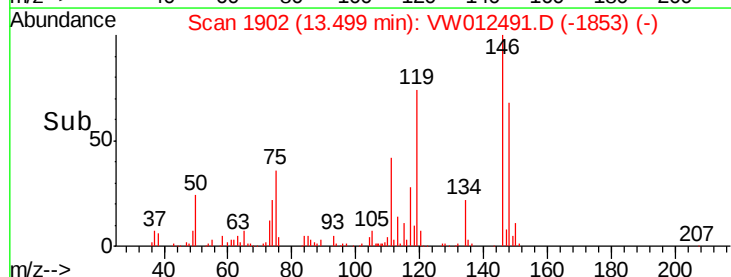
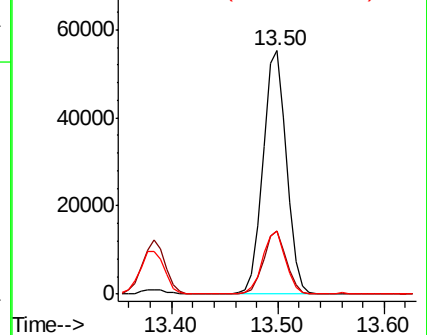
91 25.1 12.3 36.9

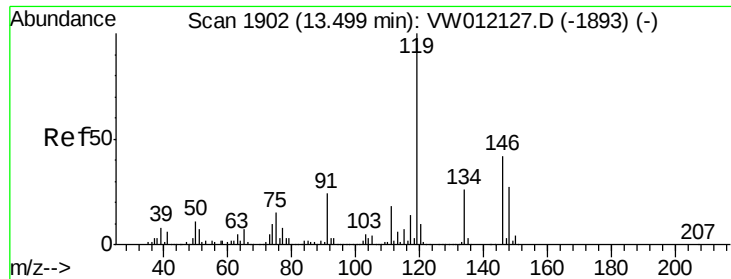


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

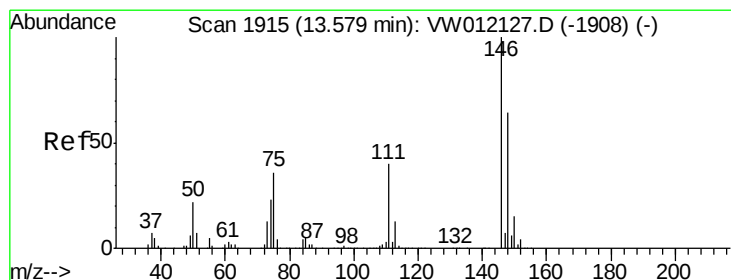
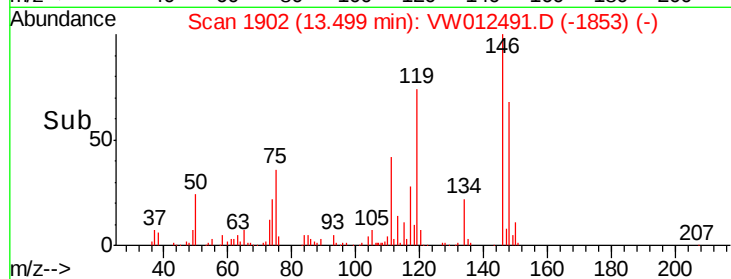
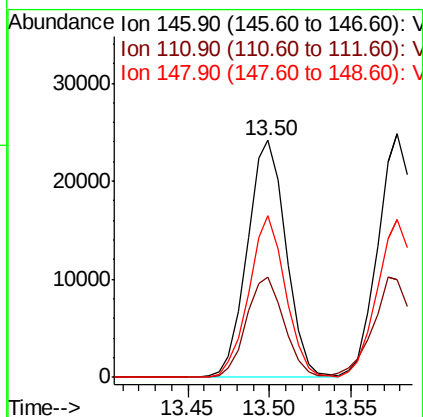
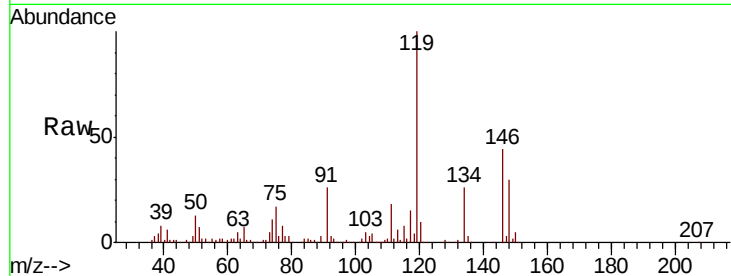




#87
 1,3-Dichlorobenzene
 Concen: 10.138 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

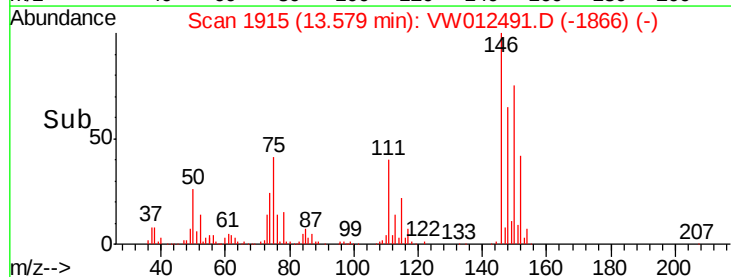
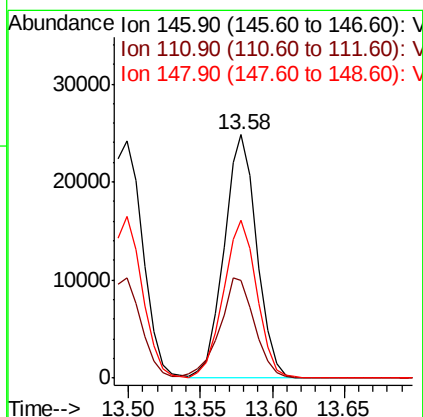
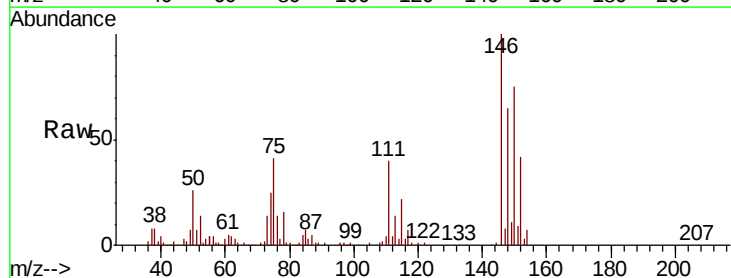
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

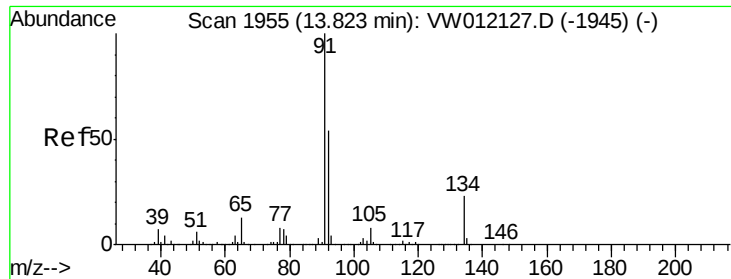
Tgt Ion:146 Resp: 39855
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.9 62.7
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 10.116 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion:146 Resp: 39485
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.0 60.0
 148 66.2 32.1 96.3





#89

n-Butylbenzene

Concen: 9.815 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

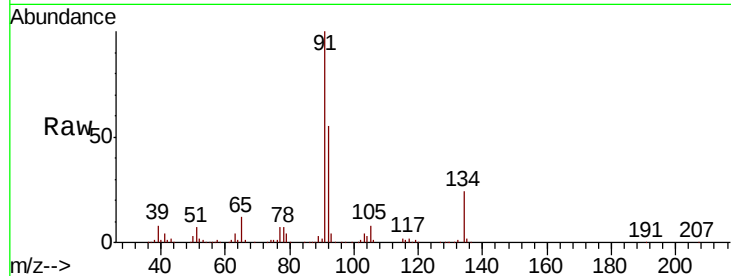
Tgt Ion: 91 Resp: 82121

Ion Ratio Lower Upper

91 100

92 54.2 27.1 81.2

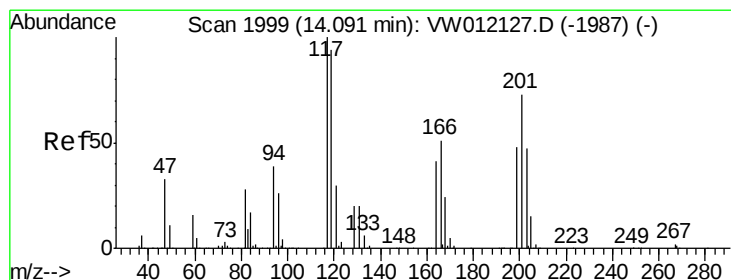
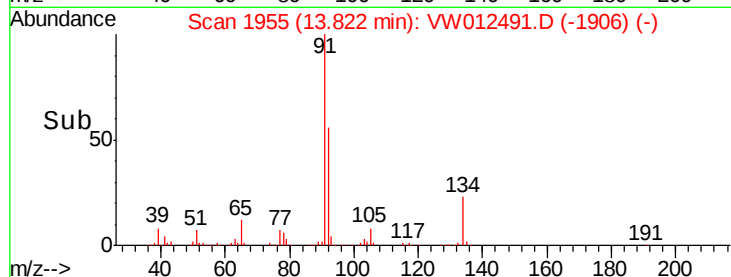
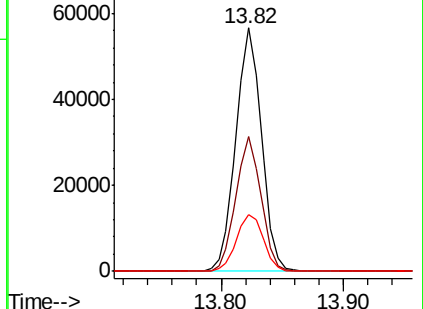
134 24.5 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 9.845 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012491.D

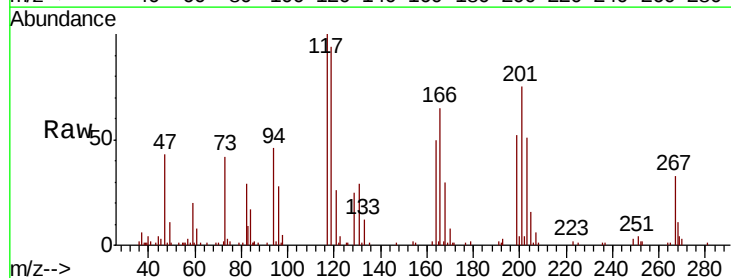
Acq: 02 Sep 2019 11:50

Tgt Ion: 117 Resp: 14532

Ion Ratio Lower Upper

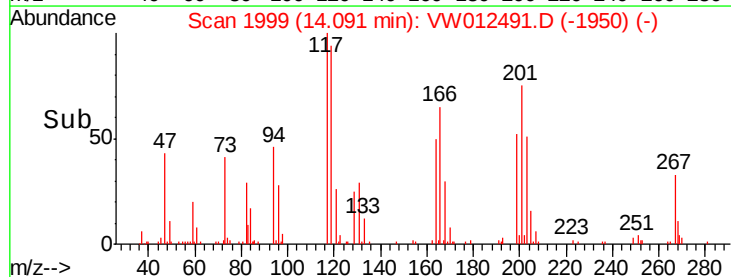
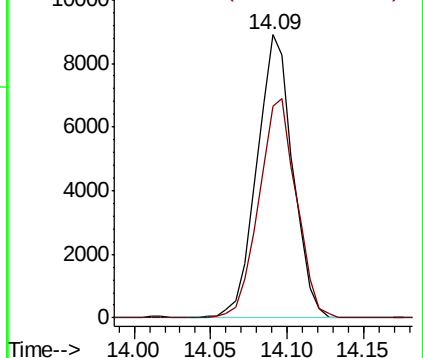
117 100

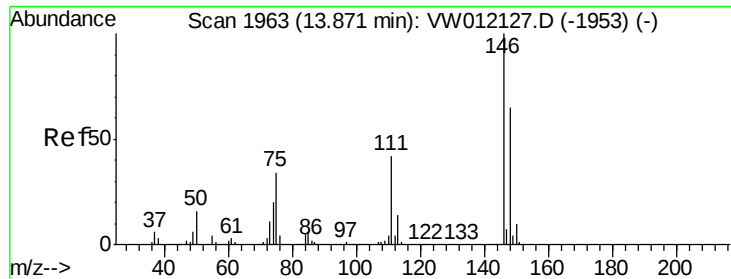
201 80.9 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

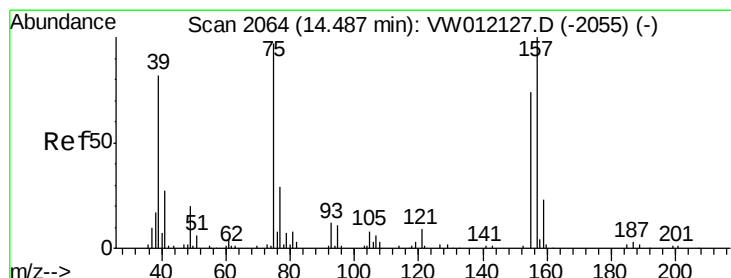
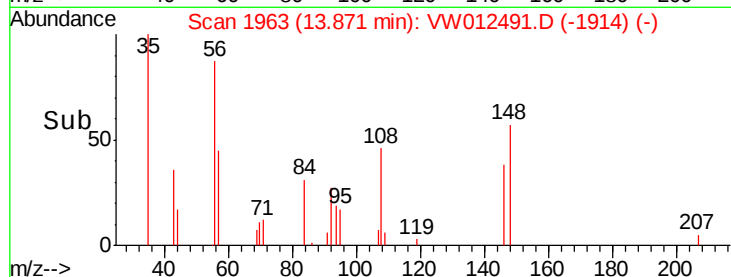
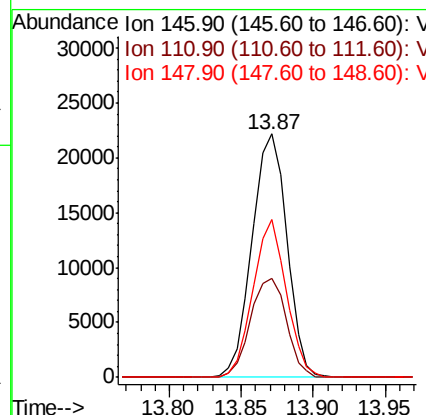
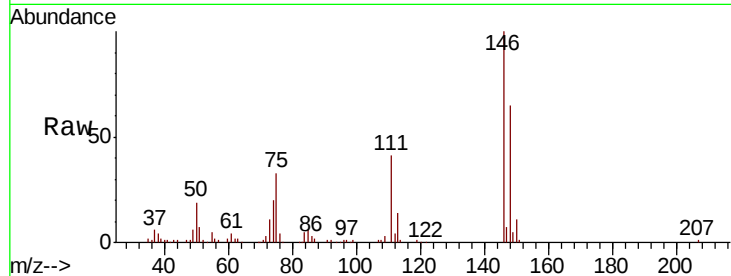




#91
 1,2-Dichlorobenzene
 Concen: 10.762 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

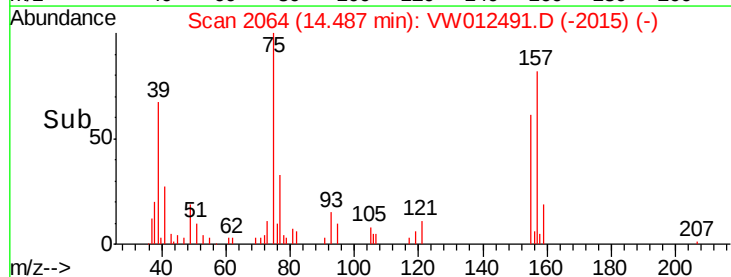
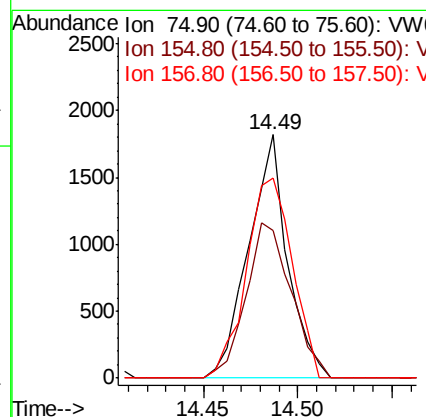
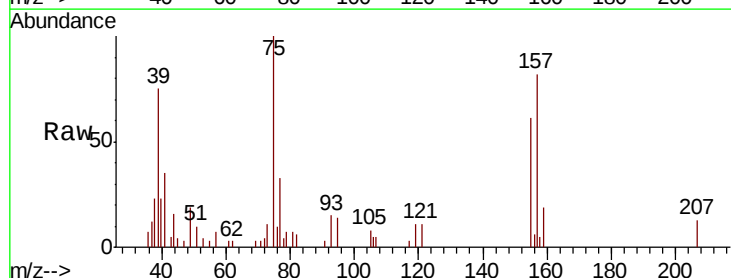
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

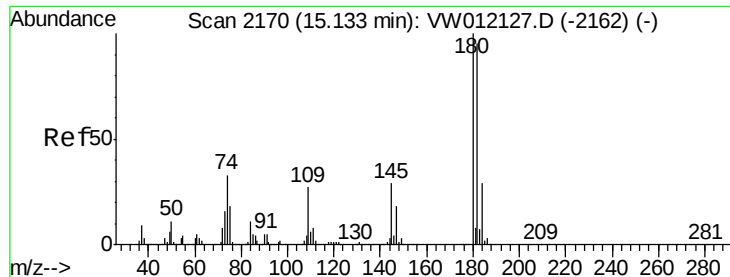
Tgt Ion:146 Resp: 37113
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.2 63.6
 148 61.7 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.052 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion: 75 Resp: 2599
 Ion Ratio Lower Upper
 75 100
 155 74.5 37.5 112.3
 157 97.4 50.5 151.5

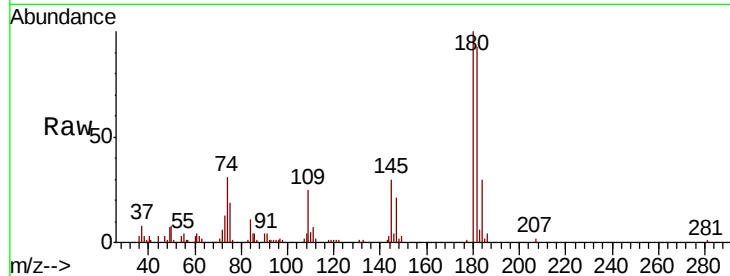




#93
 1,2,4-Trichlorobenzene
 Concen: 9.793 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	23339		
182	94.0		47.8	143.4
145	30.1		15.0	45.1

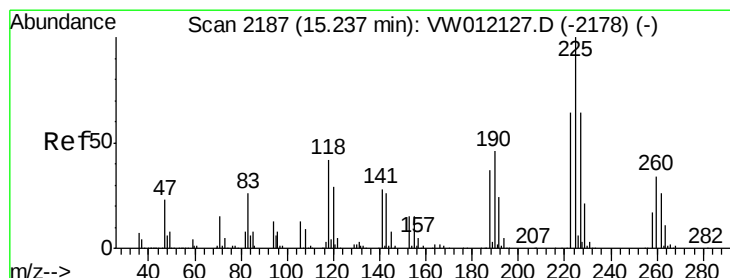
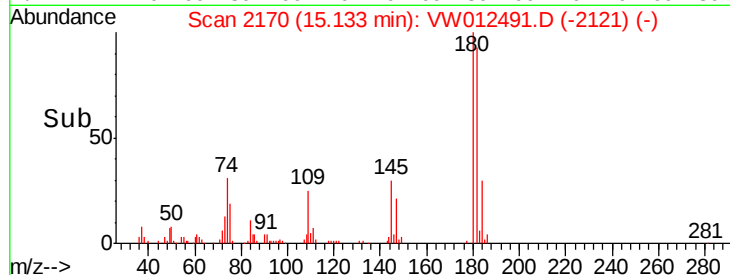
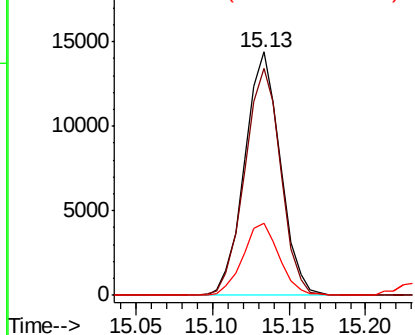


Abundance

Ion 179.80 (179.50 to 180.50): V

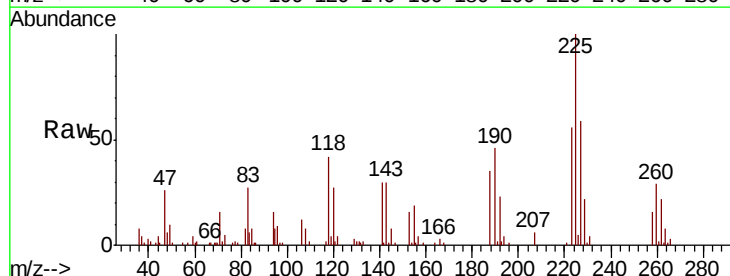
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 10.254 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16136		
223	60.0		32.3	96.8
227	61.9		32.9	98.6

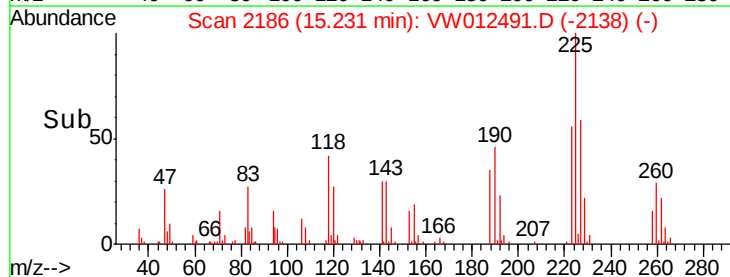
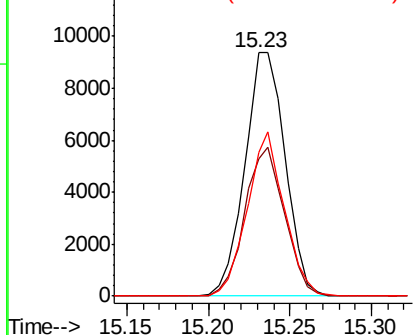


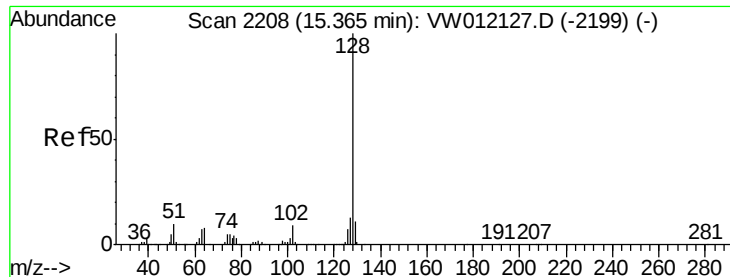
Abundance

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

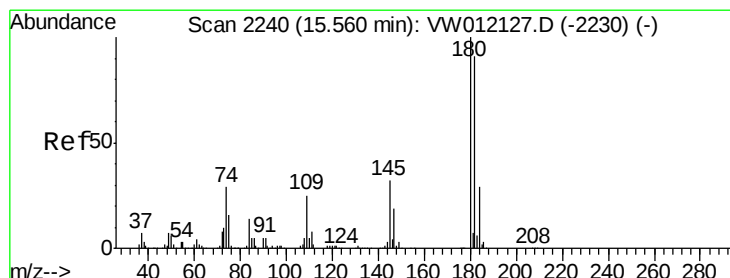
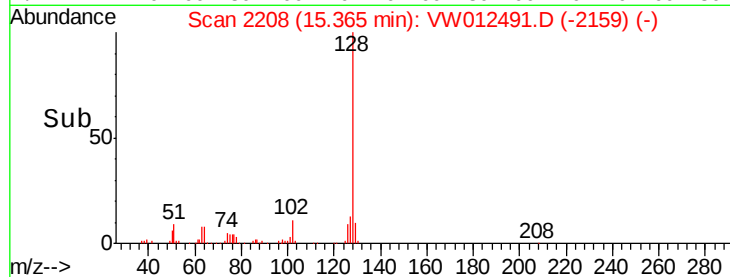
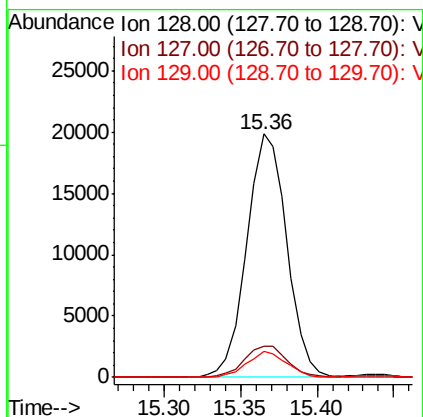
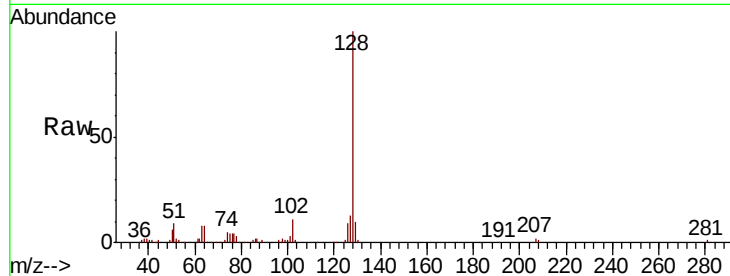




#95
Naphthalene
Concen: 11.394 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tgt Ion:128 Resp: 36205
Ion Ratio Lower Upper
128 100
127 14.0 10.7 16.1
129 10.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.927 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion:180 Resp: 20642
Ion Ratio Lower Upper
180 100
182 90.0 47.1 141.3
145 31.7 16.2 48.5

