

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012271.D
 Acq On : 29 Aug 2019 00:18
 Operator : SY/VA
 Sample : VW0828SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Quant Time: Aug 29 06:51:31 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	209898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	133601	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	7.88	113	108214	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.32	98	428248	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.61	95	156505	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24057	18.614	ug/l	99
3) Chloromethane	2.21	50	38280	19.118	ug/l	99
4) Vinyl Chloride	2.36	62	44575	18.188	ug/l	99
5) Bromomethane	2.77	94	22943	18.485	ug/l	97
6) Chloroethane	2.92	64	26751	19.349	ug/l	95
7) Trichlorofluoromethane	3.25	101	21724	17.653	ug/l	92
8) Diethyl Ether	3.68	74	26031	22.285	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40580	19.400	ug/l	97
10) Methyl Iodide	4.27	142	55376	19.566	ug/l	99
11) Tert butyl alcohol	5.18	59	19374	129.024	ug/l	99
12) 1,1-Dichloroethene	4.04	96	40093	19.043	ug/l	98
13) Acrolein	3.90	56	7983	56.478	ug/l	99
14) Allyl chloride	4.67	41	89088	19.793	ug/l	99
15) Acrylonitrile	5.36	53	68369	118.087	ug/l	99
16) Acetone	4.12	43	58189	91.231	ug/l	97
17) Carbon Disulfide	4.38	76	104296	16.391	ug/l	98
18) Methyl Acetate	4.67	43	42240	26.738	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	79189	23.259	ug/l	98
20) Methylene Chloride	4.92	84	53033	21.994	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	45642	20.216	ug/l	94
22) Diisopropyl ether	6.31	45	189175	22.675	ug/l	96
23) Vinyl Acetate	6.25	43	545124	106.171	ug/l	99
24) 1,1-Dichloroethane	6.21	63	94976	20.908	ug/l	99
25) 2-Butanone	7.17	43	97237	112.189	ug/l	98
26) 2,2-Dichloropropane	7.16	77	48997	19.056	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52057	21.581	ug/l	98
28) Bromochloromethane	7.51	49	46245	23.357	ug/l	100
29) Tetrahydrofuran	7.53	42	63707	122.514	ug/l	100
30) Chloroform	7.67	83	90108	21.681	ug/l	94
31) Cyclohexane	7.95	56	82857	18.436	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	68940	20.969	ug/l	98
36) 1,1-Dichloropropene	8.08	75	68548	19.183	ug/l	100
37) Ethyl Acetate	7.25	43	43591	22.261	ug/l	98
38) Carbon Tetrachloride	8.07	117	58984	19.071	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71548	17.823	ug/l	95
40) Benzene	8.32	78	198332	20.327	ug/l	99
41) Methacrylonitrile	7.48	41	26361	22.905	ug/l	98
42) 1,2-Dichloroethane	8.40	62	66593	21.777	ug/l	99
43) Isopropyl Acetate	8.42	43	81869	22.572	ug/l	100
44) Trichloroethene	9.09	130	47830	20.165	ug/l	97
45) 1,2-Dichloropropane	9.37	63	55910	21.291	ug/l	95
46) Dibromomethane	9.46	93	25894	22.162	ug/l	96
47) Bromodichloromethane	9.65	83	65142	20.949	ug/l	94
48) Methyl methacrylate	9.44	41	38778	22.463	ug/l	96
49) 1,4-Dioxane	9.46	88	8975	501.777	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	216326	117.260	ug/l	100
52) Toluene	10.39	92	121851	20.788	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	66303	20.933	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	78576	20.545	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	36791	22.256	ug/l	96
56) Ethyl methacrylate	10.65	69	54779	22.768	ug/l	99
57) 1,3-Dichloropropane	10.93	76	70082	22.434	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	140785	114.016	ug/l	99
59) 2-Hexanone	10.97	43	144966	111.055	ug/l	99
60) Dibromochloromethane	11.13	129	39952	21.698	ug/l	99
61) 1,2-Dibromoethane	11.23	107	34815	22.606	ug/l	99
64) Tetrachloroethene	10.86	164	40507	20.376	ug/l	95
65) Chlorobenzene	11.66	112	124752	20.662	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44583	21.166	ug/l	98
67) Ethyl Benzene	11.73	91	235594	20.256	ug/l	99
68) m/p-Xylenes	11.84	106	168229	40.155	ug/l	100
69) o-Xylene	12.16	106	80025	20.638	ug/l	100
70) Styrene	12.18	104	140406	20.920	ug/l	100
71) Bromoform	12.35	173	22990	21.907	ug/l #	97
73) Isopropylbenzene	12.46	105	224403	20.226	ug/l	99
74) N-amyl acetate	12.27	43	70402	21.003	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	45063	22.155	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	58037	40.246	ug/l #	100
77) Bromobenzene	12.75	156	50630	21.094	ug/l	99
78) n-propylbenzene	12.80	91	269783	19.918	ug/l	98
79) 2-Chlorotoluene	12.89	91	155439	20.214	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	191598	20.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13448	20.447	ug/l	97
82) 4-Chlorotoluene	12.99	91	164516	20.432	ug/l	100
83) tert-Butylbenzene	13.21	119	160357	20.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	191283	20.540	ug/l	100
85) sec-Butylbenzene	13.38	105	227083	20.183	ug/l	99
86) p-Isopropyltoluene	13.50	119	203015	20.205	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98096	20.895	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	98242	21.075	ug/l	99
89) n-Butylbenzene	13.82	91	197589	19.775	ug/l	100
90) Hexachloroethane	14.09	117	35182	19.957	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	88464	21.479	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7624	22.234	ug/l	95

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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	61384	21.567	ug/l	99
94) Hexachlorobutadiene	15.24	225	39306	20.915	ug/l	98
95) Naphthalene	15.36	128	112879	22.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	55026	22.159	ug/l	99

(#) = 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: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

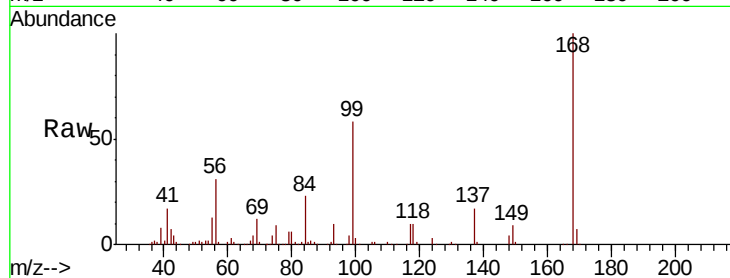
VW0828SBSD02

Tgt Ion:168 Resp: 209898

Ion Ratio Lower Upper

168 100

99 58.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

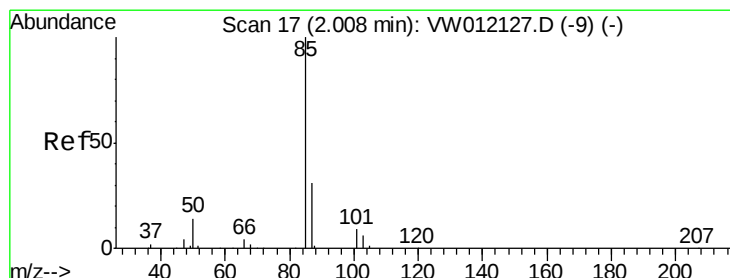
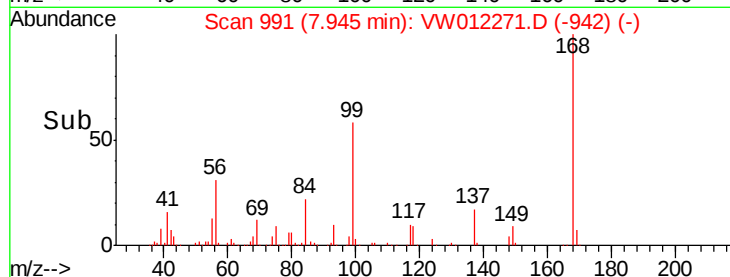
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.614 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012271.D

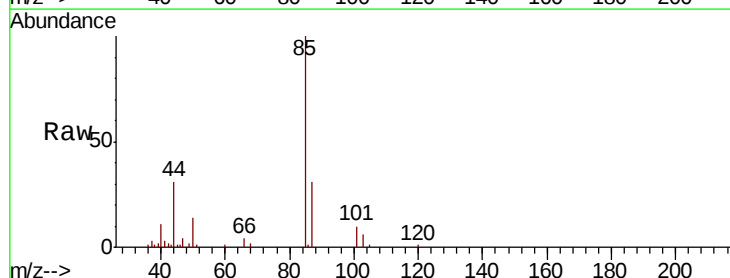
Acq: 29 Aug 2019 00:18

Tgt Ion: 85 Resp: 24057

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

4000

2000

0

1.90

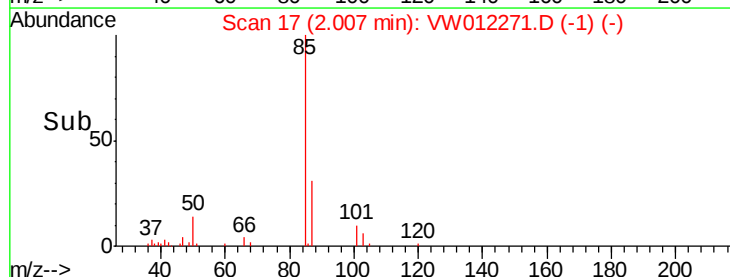
2.00

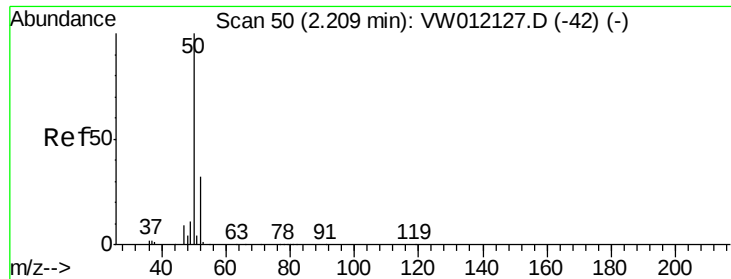
2.10

2.20

2.30

Time-->





#3

Chloromethane

Concen: 19.118 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

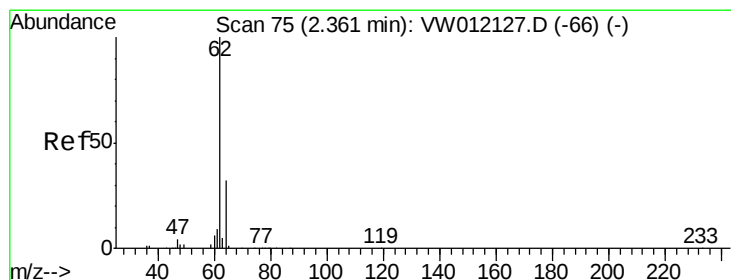
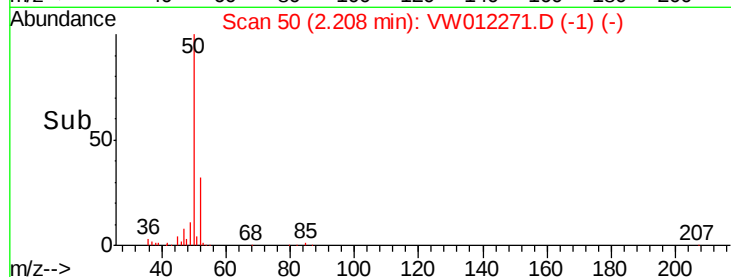
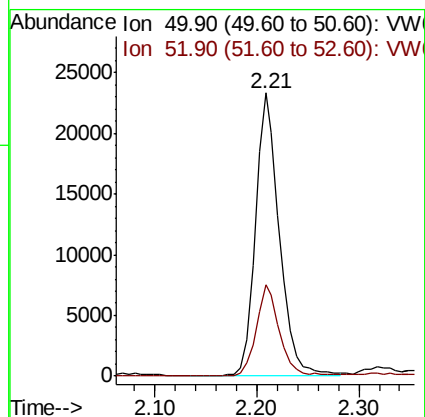
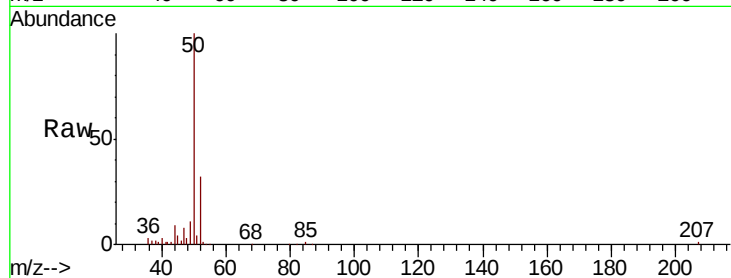
VW0828SBS02

Tgt Ion: 50 Resp: 38280

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3



#4

Vinyl Chloride

Concen: 18.188 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012271.D

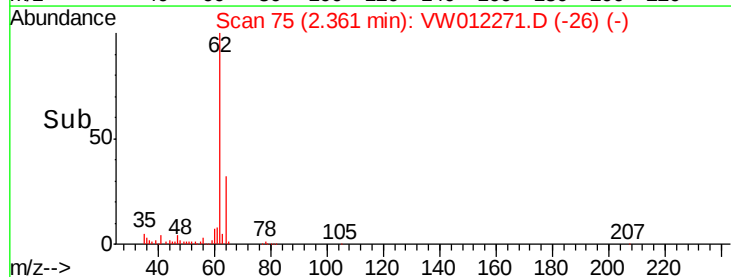
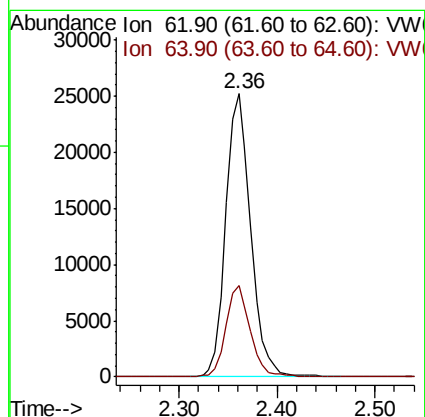
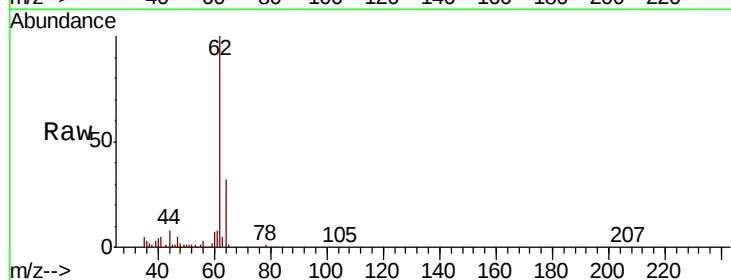
Acq: 29 Aug 2019 00:18

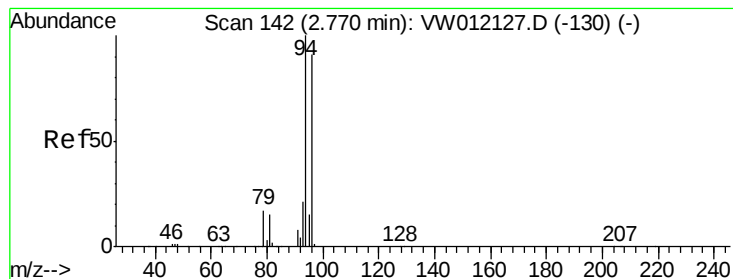
Tgt Ion: 62 Resp: 44575

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 18.485 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

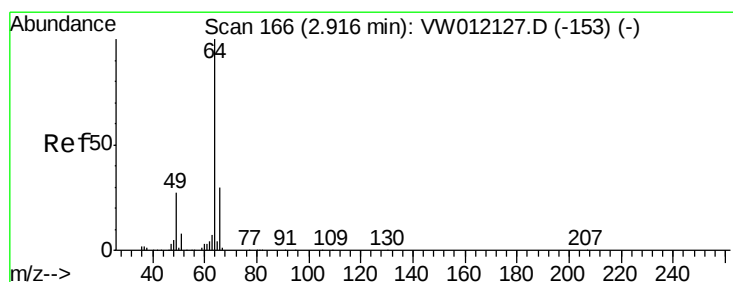
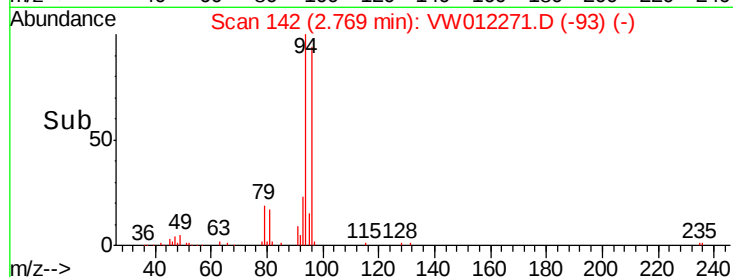
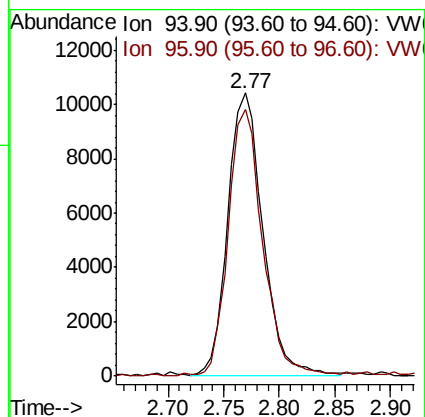
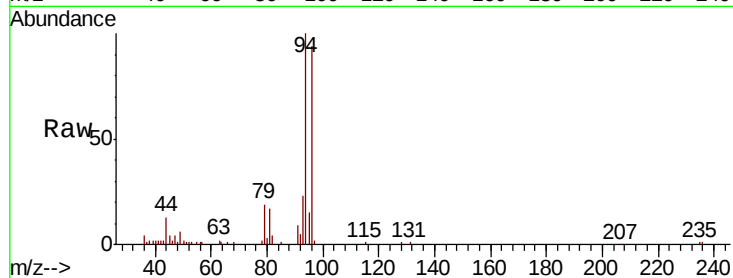
VW0828SBSD02

Tgt Ion: 94 Resp: 22943

Ion Ratio Lower Upper

94 100

96 93.8 72.9 109.3



#6

Chloroethane

Concen: 19.349 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012271.D

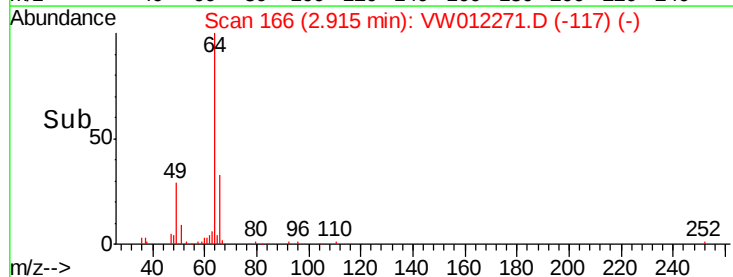
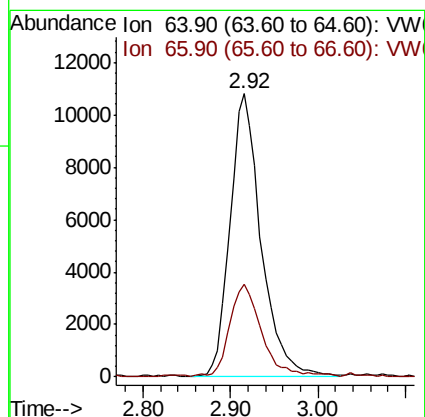
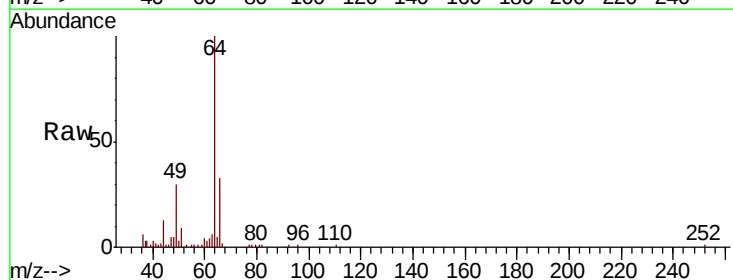
Acq: 29 Aug 2019 00:18

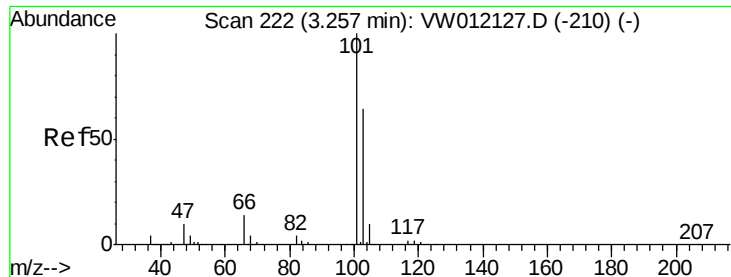
Tgt Ion: 64 Resp: 26751

Ion Ratio Lower Upper

64 100

66 32.5 23.8 35.8



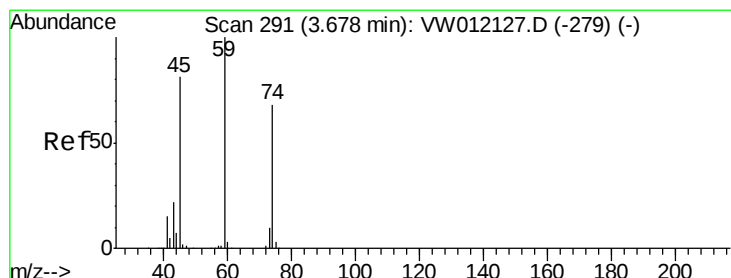
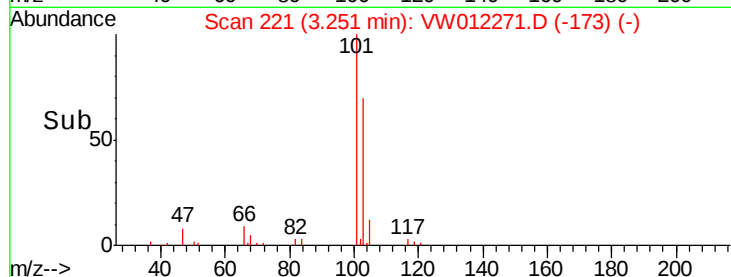
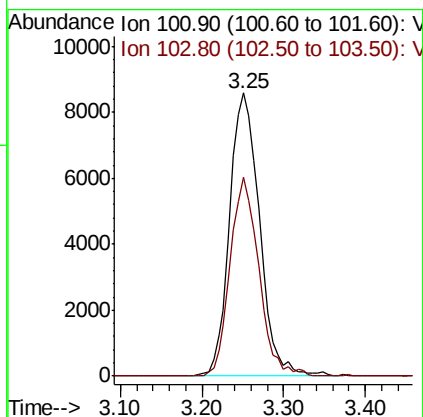
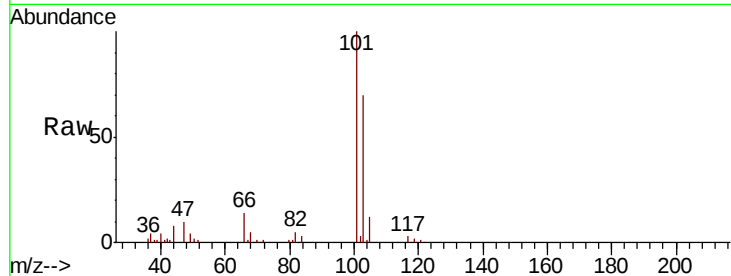


#7

Trichlorofluoromethane
 Concen: 17.653 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

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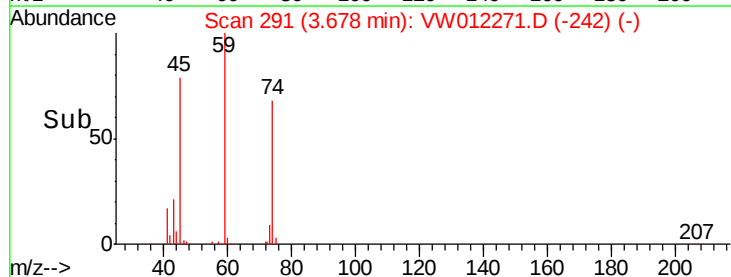
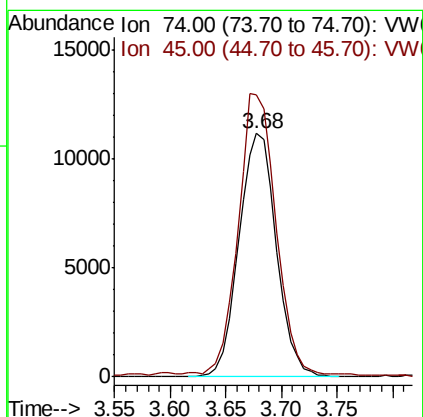
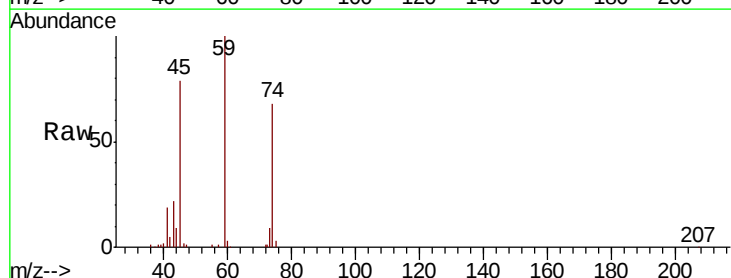
Tgt Ion:101 Resp: 21724
 Ion Ratio Lower Upper
 101 100
 103 70.3 51.2 76.8

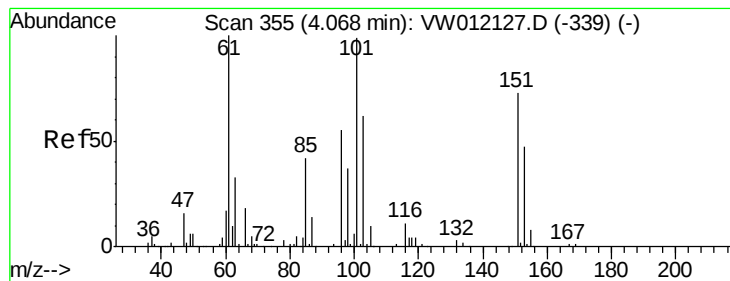


#8

Diethyl Ether
 Concen: 22.285 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

Tgt Ion: 74 Resp: 26031
 Ion Ratio Lower Upper
 74 100
 45 117.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.400 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD02

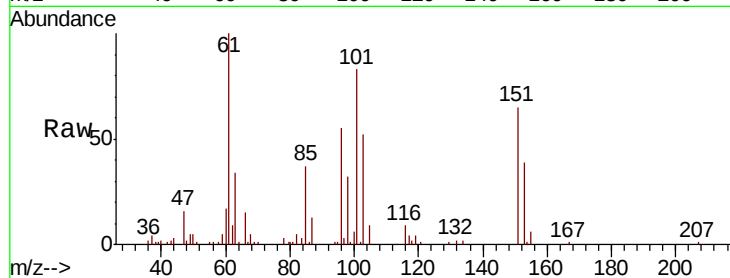
Tgt Ion:101 Resp: 40580

Ion Ratio Lower Upper

101 100

85 45.8 35.8 53.6

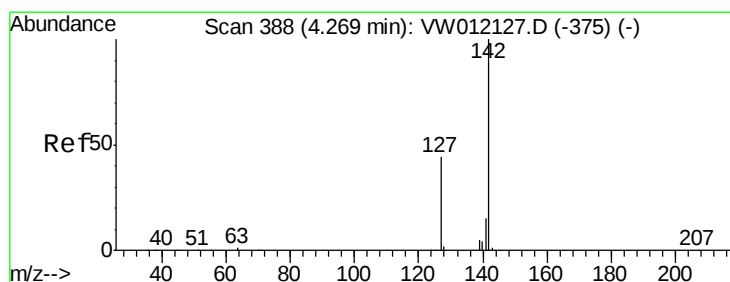
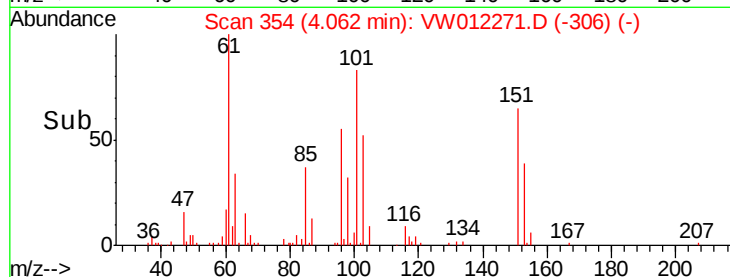
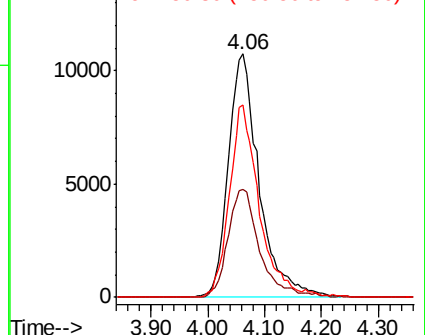
151 76.7 58.6 87.8



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: 19.566 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

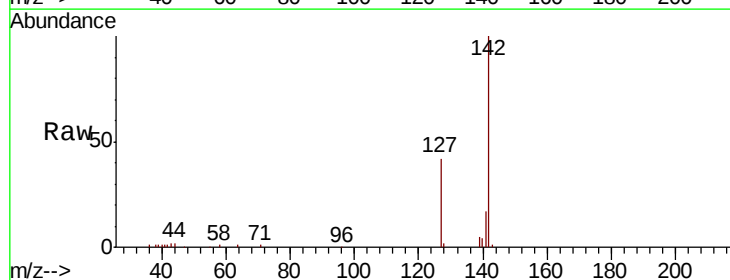
Tgt Ion:142 Resp: 55376

Ion Ratio Lower Upper

142 100

127 43.8 35.5 53.3

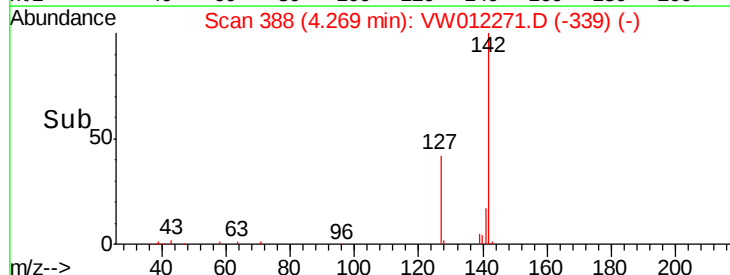
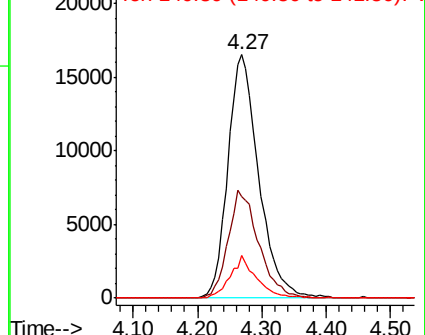
141 14.7 11.8 17.8

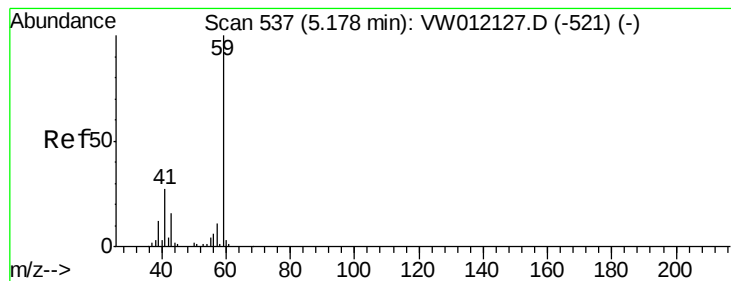


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



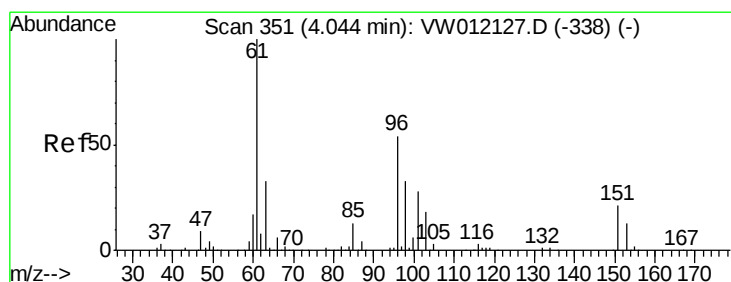
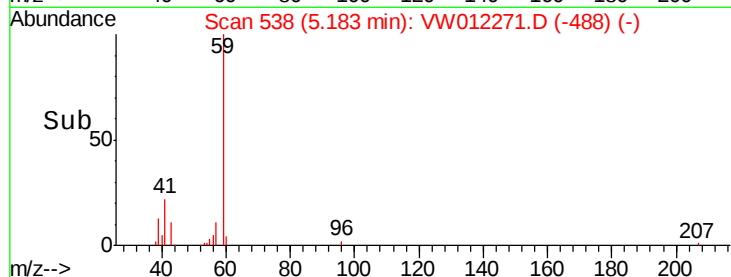
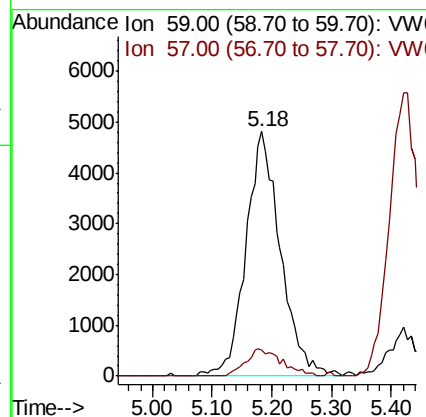
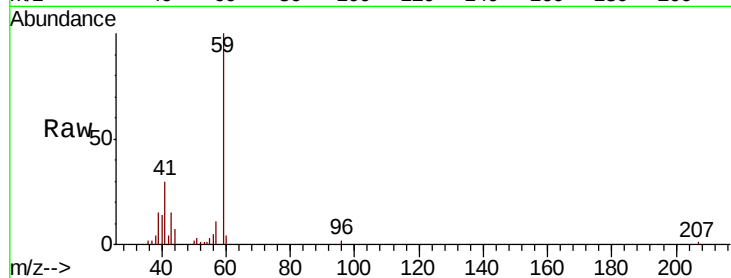


#11

Tert butyl alcohol
Concen: 129.024 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

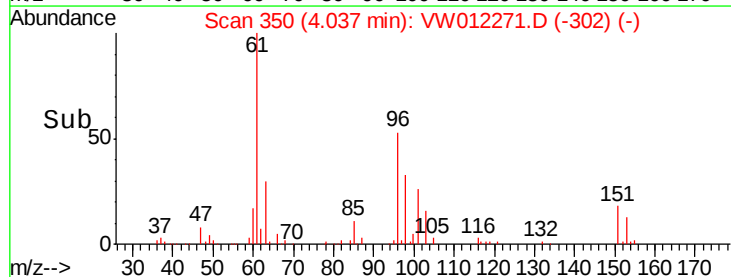
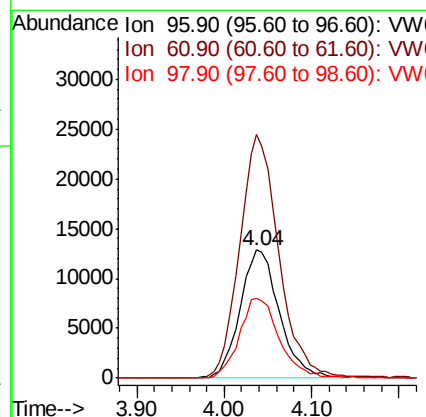
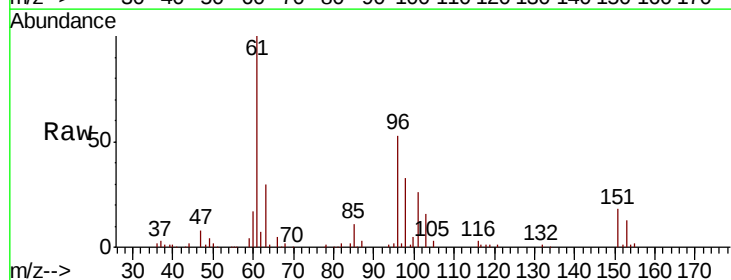
Tgt Ion: 59 Resp: 19374
Ion Ratio Lower Upper
59 100
57 11.7 9.0 13.4

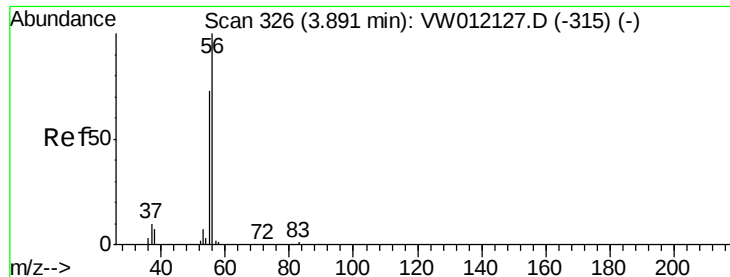


#12

1,1-Dichloroethene
Concen: 19.043 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 96 Resp: 40093
Ion Ratio Lower Upper
96 100
61 189.6 149.1 223.7
98 61.7 49.4 74.2





#13

Acrolein

Concen: 56.478 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

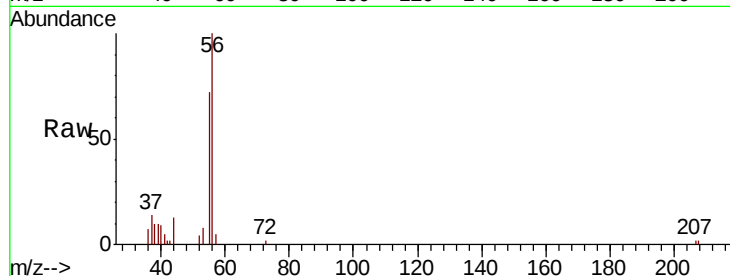
VW0828SBSD02

Tgt Ion: 56 Resp: 7983

Ion Ratio Lower Upper

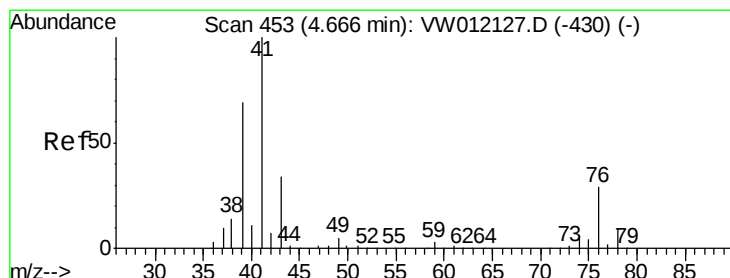
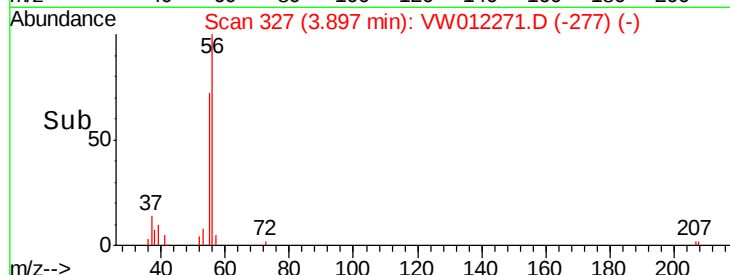
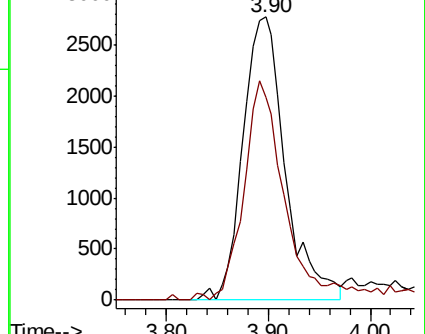
56 100

55 70.9 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.793 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

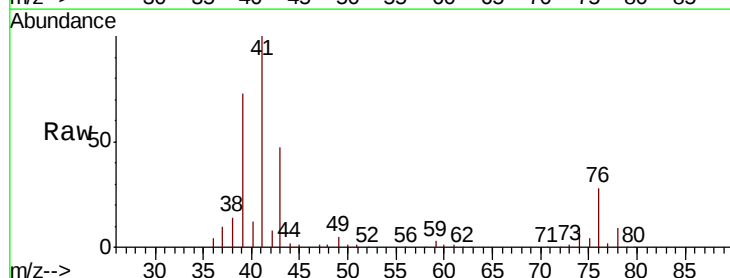
Tgt Ion: 41 Resp: 89088

Ion Ratio Lower Upper

41 100

39 67.6 53.4 80.2

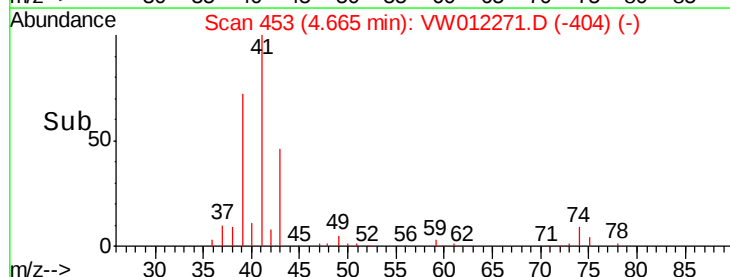
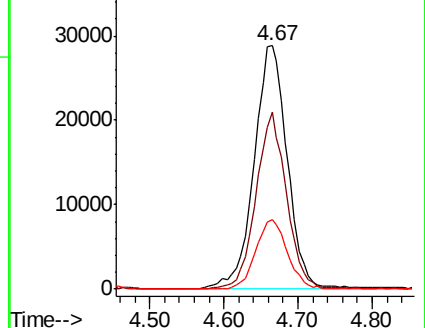
76 27.2 22.1 33.1

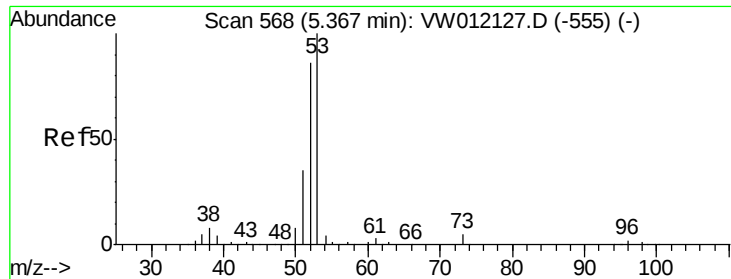


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 118.087 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD02

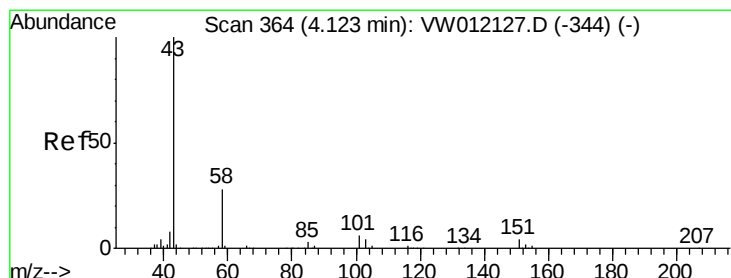
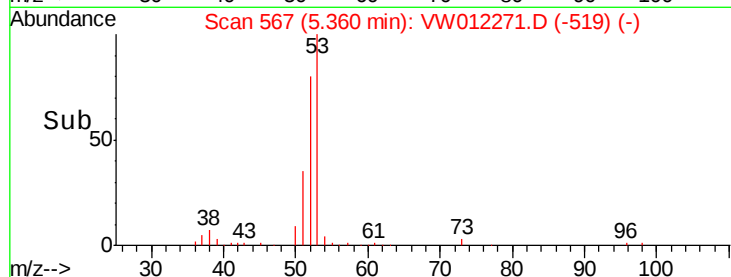
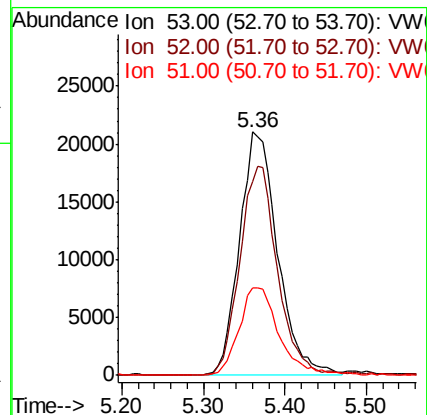
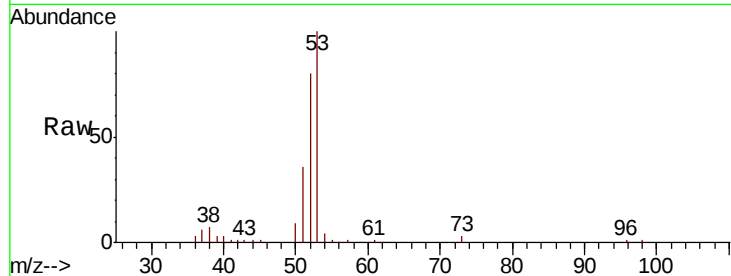
Tgt Ion: 53 Resp: 68369

Ion Ratio Lower Upper

53 100

52 84.5 66.7 100.1

51 37.7 30.1 45.1



#16

Acetone

Concen: 91.231 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012271.D

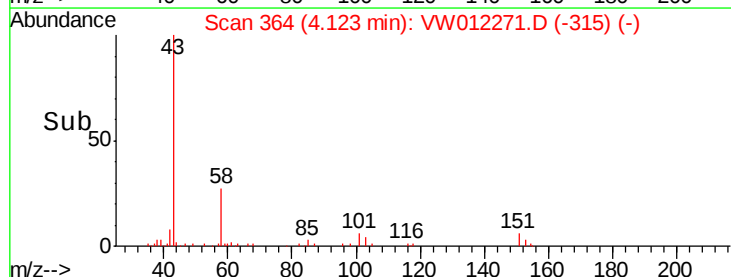
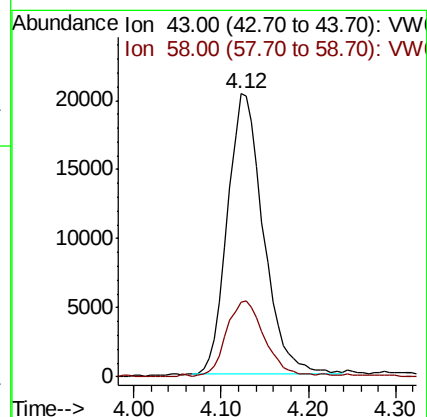
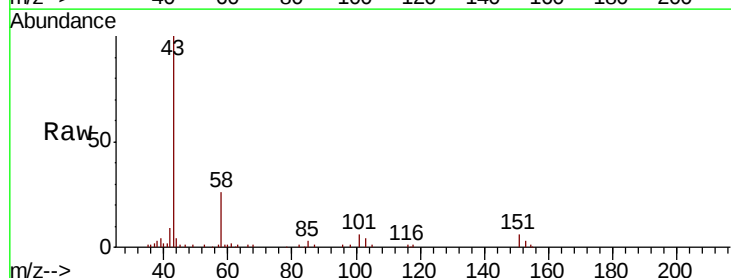
Acq: 29 Aug 2019 00:18

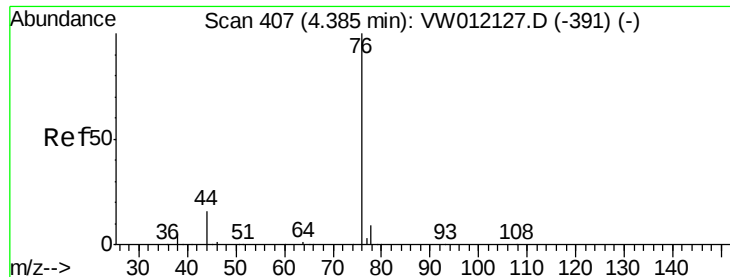
Tgt Ion: 43 Resp: 58189

Ion Ratio Lower Upper

43 100

58 26.4 22.4 33.6

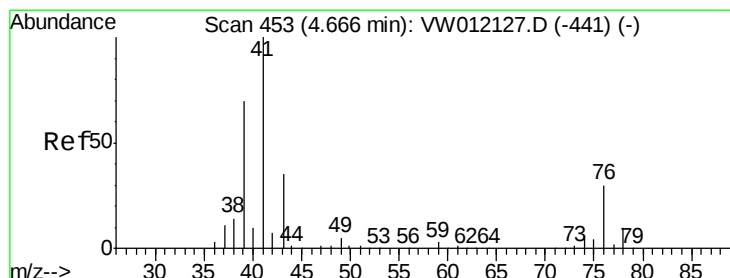
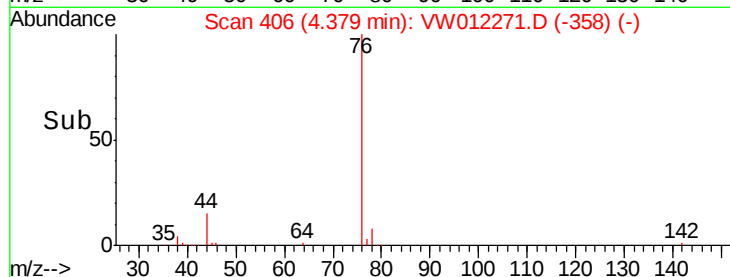
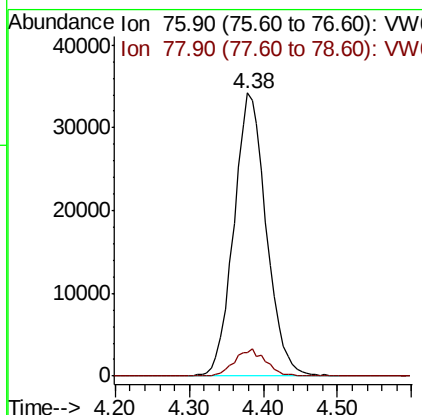
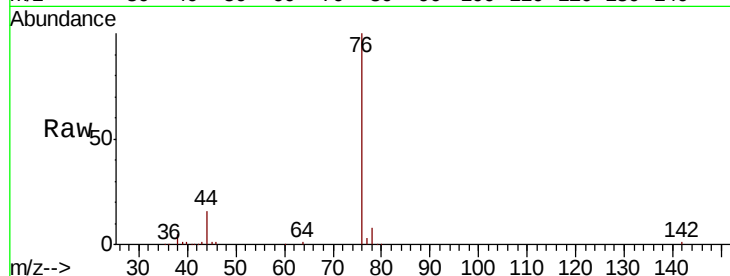




#17
Carbon Disulfide
Concen: 16.391 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

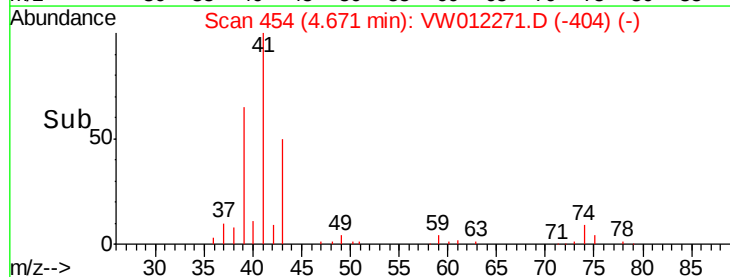
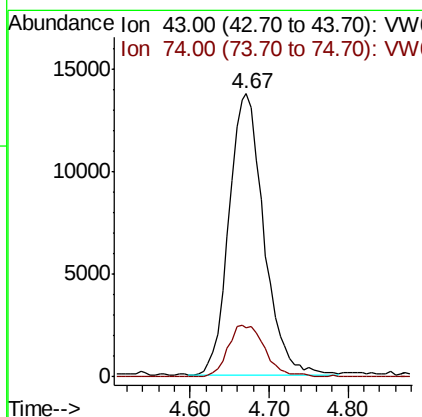
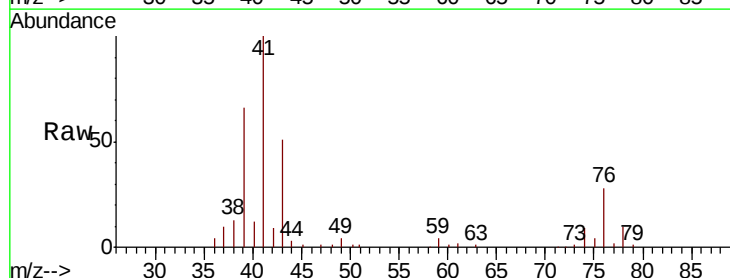
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

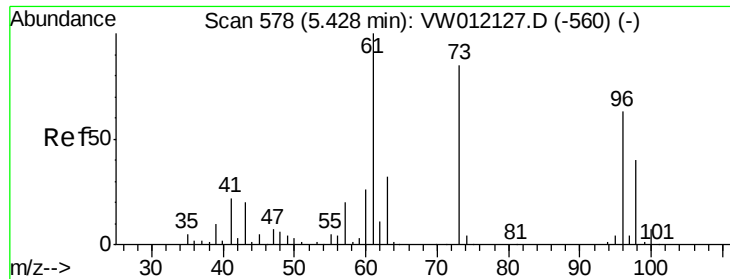
Tgt Ion: 76 Resp: 104296
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9



#18
Methyl Acetate
Concen: 26.738 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 43 Resp: 42240
Ion Ratio Lower Upper
43 100
74 19.1 15.7 23.5

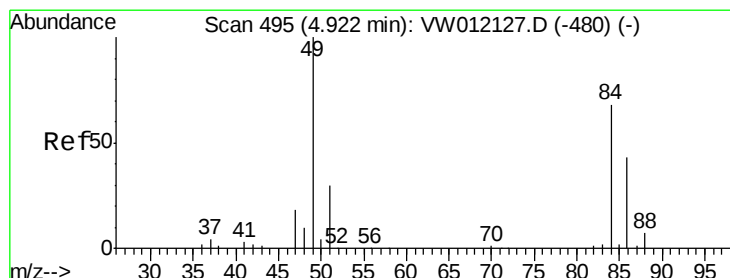
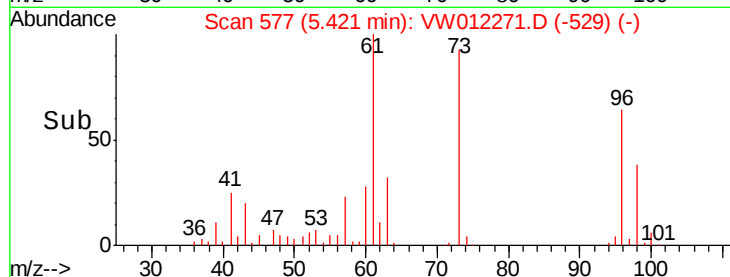
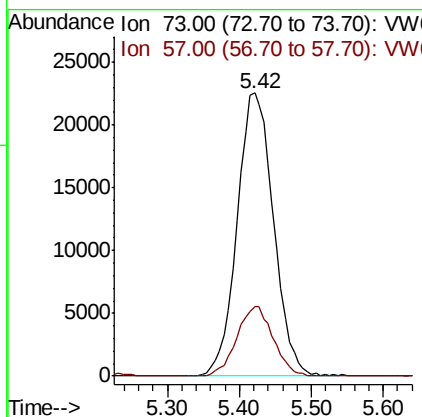
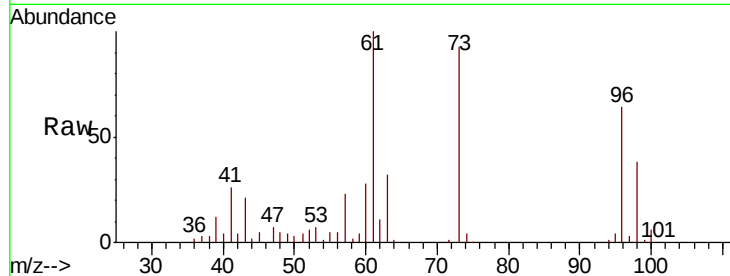




#19
Methyl tert-butyl Ether
Concen: 23.259 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

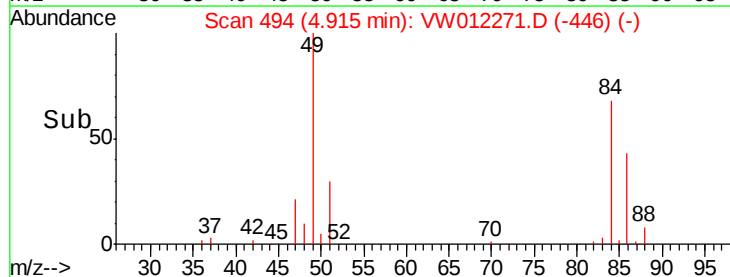
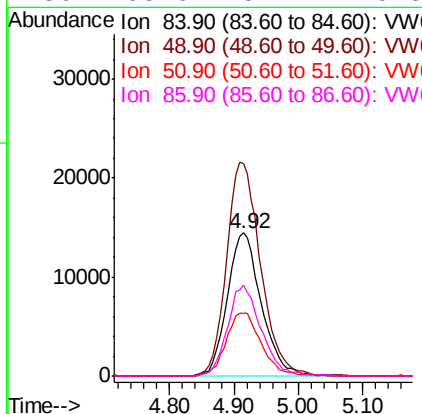
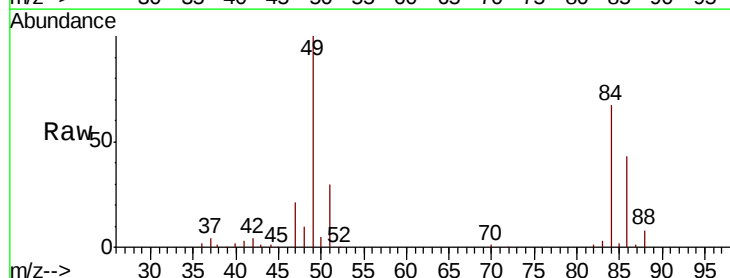
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

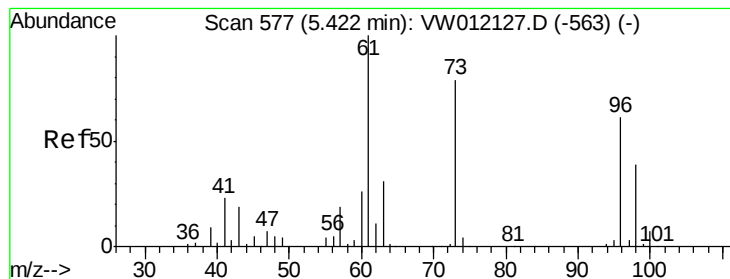
Tgt Ion: 73 Resp: 79189
Ion Ratio Lower Upper
73 100
57 24.7 18.9 28.3



#20
Methylene Chloride
Concen: 21.994 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 84 Resp: 53033
Ion Ratio Lower Upper
84 100
49 148.7 117.8 176.8
51 44.0 35.6 53.4
86 63.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.216 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD02

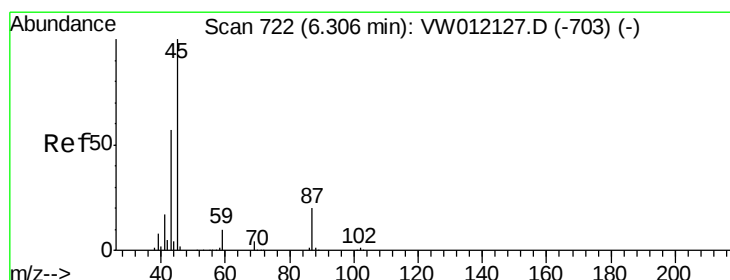
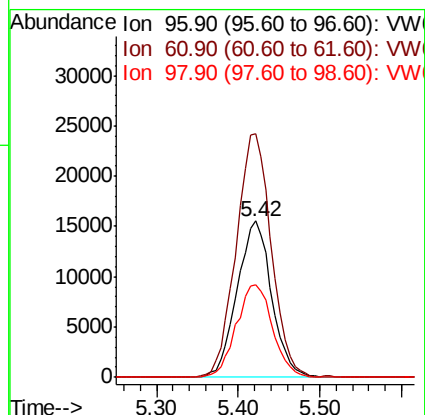
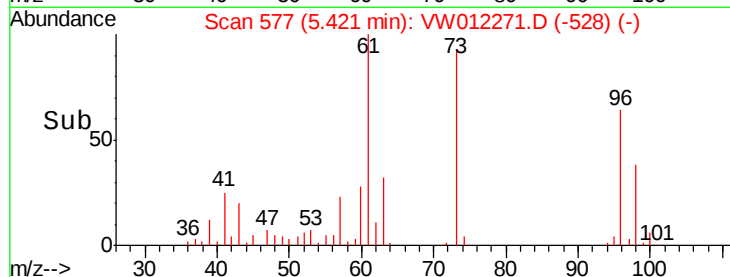
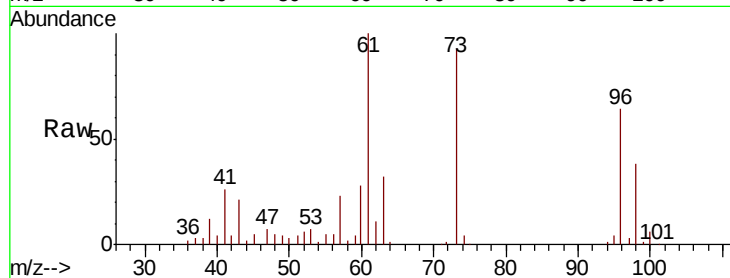
Tgt Ion: 96 Resp: 45642

Ion Ratio Lower Upper

96 100

61 155.9 131.4 197.0

98 59.2 51.4 77.0



#22

Diisopropyl ether

Concen: 22.675 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Tgt Ion: 45 Resp: 189175

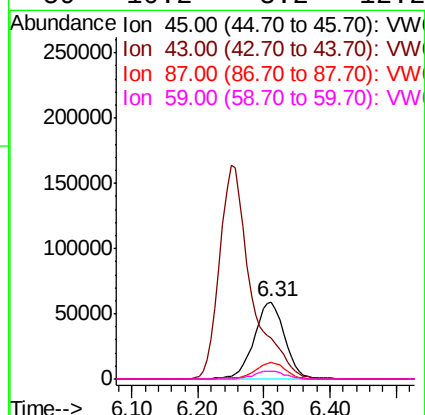
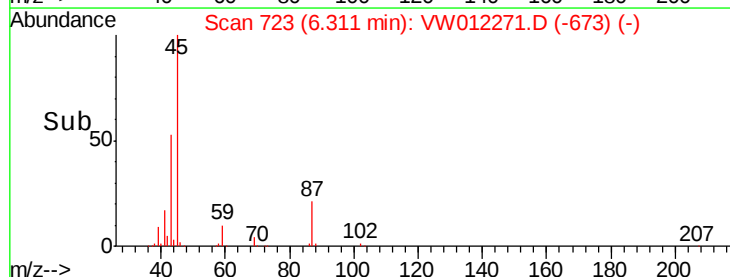
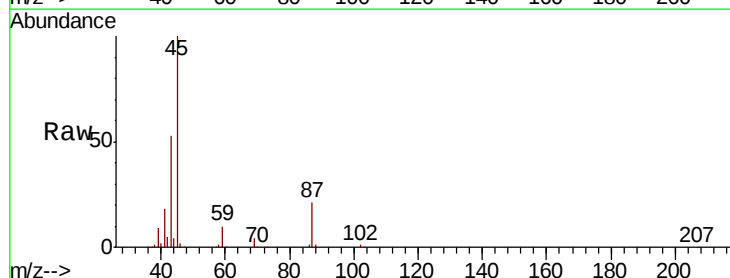
Ion Ratio Lower Upper

45 100

43 52.5 45.5 68.3

87 21.1 16.1 24.1

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 106.171 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

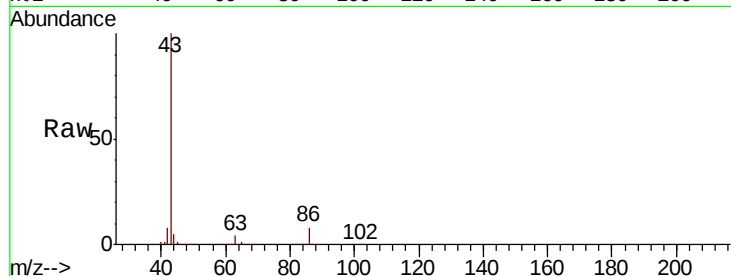
VW0828SBS02

Tgt Ion: 43 Resp: 545124

Ion Ratio Lower Upper

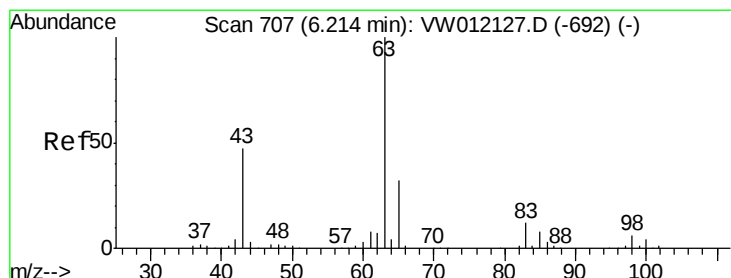
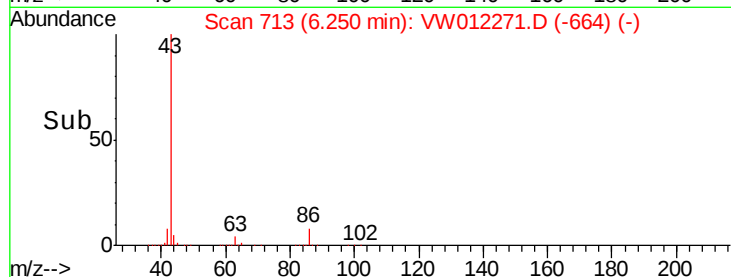
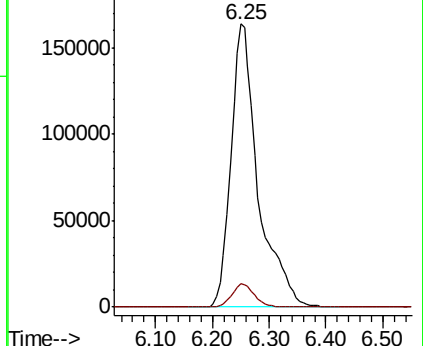
43 100

86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.908 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

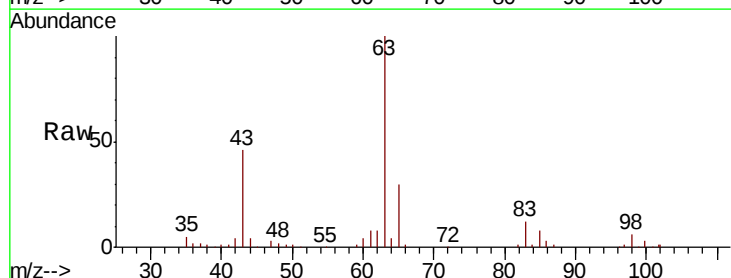
Tgt Ion: 63 Resp: 94976

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

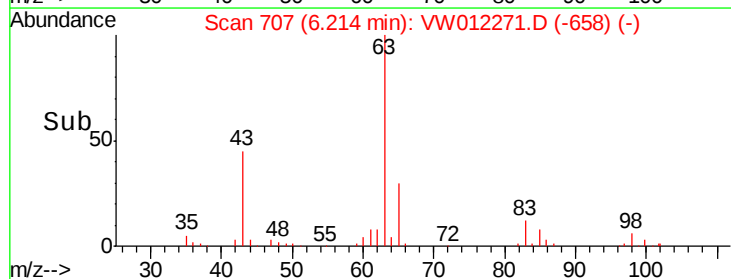
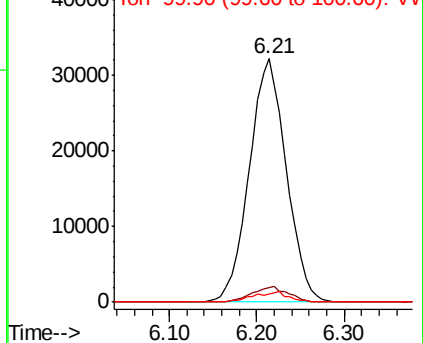
100 3.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 112.189 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

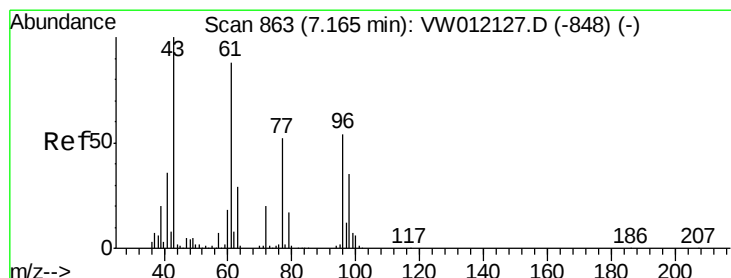
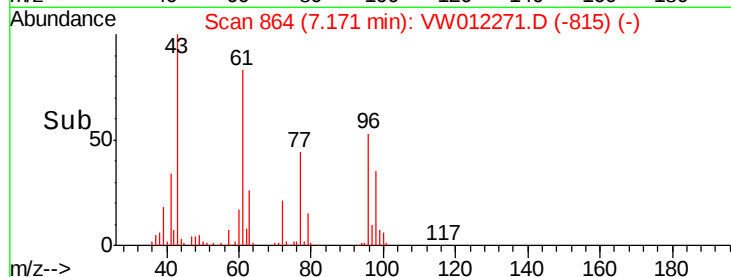
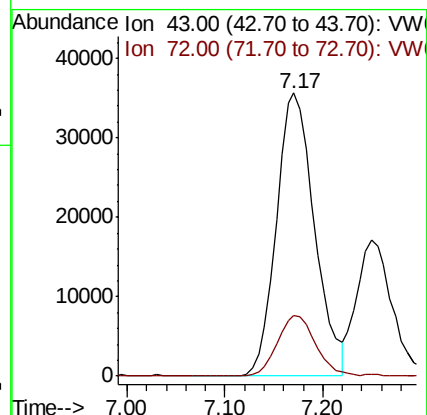
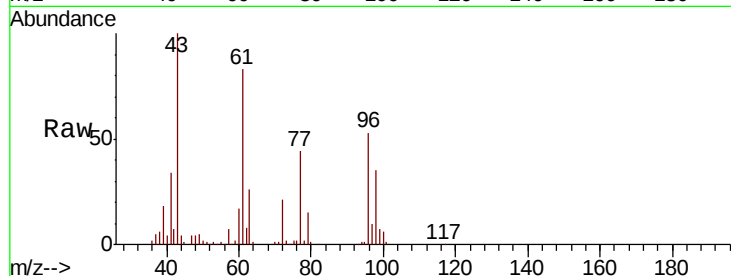
VW0828SBS02

Tgt Ion: 43 Resp: 97237

Ion Ratio Lower Upper

43 100

72 21.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.056 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012271.D

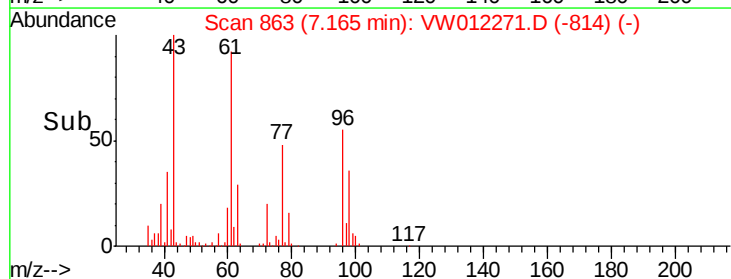
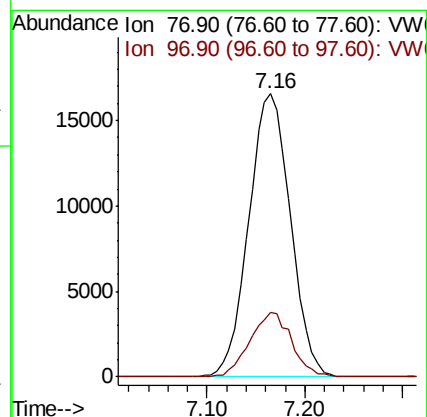
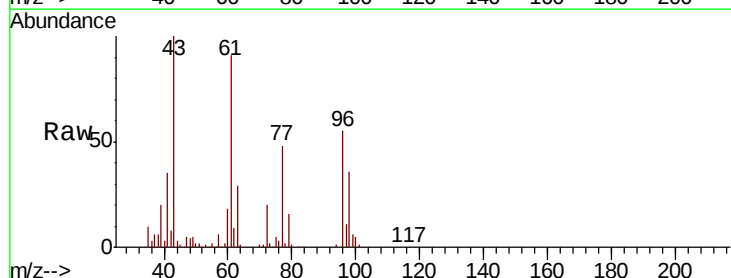
Acq: 29 Aug 2019 00:18

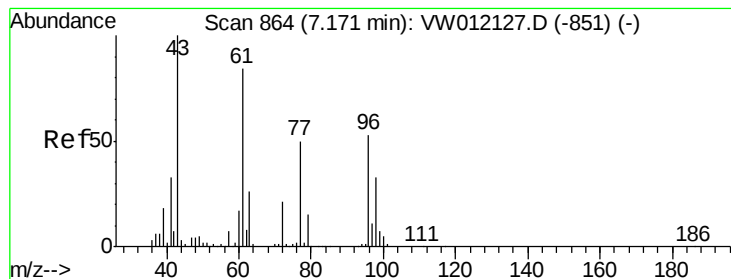
Tgt Ion: 77 Resp: 48997

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.1



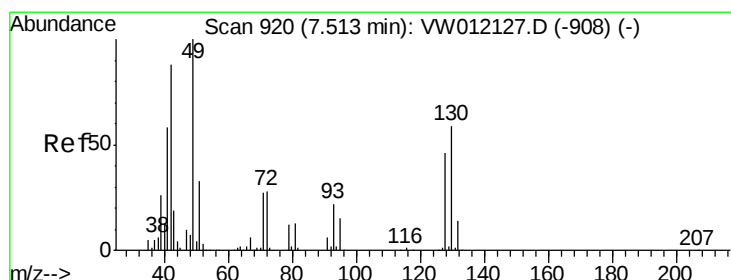
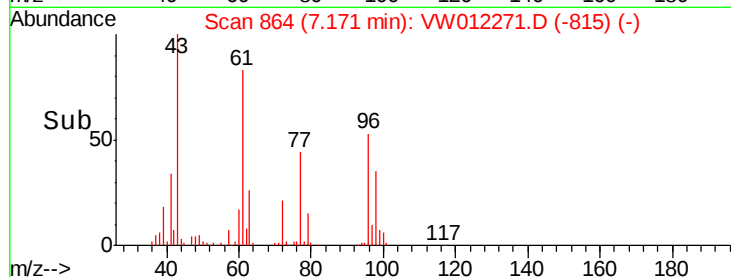
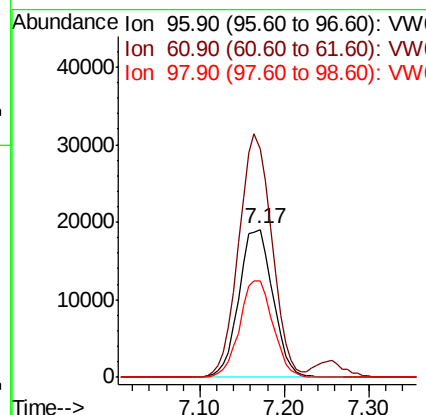
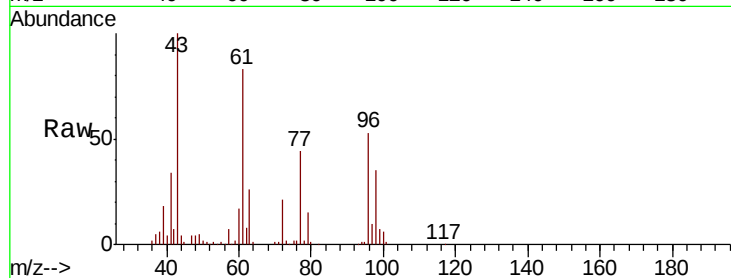


#27

cis-1,2-Dichloroethene
Concen: 21.581 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

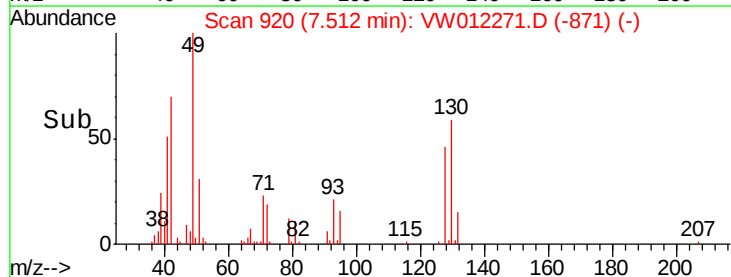
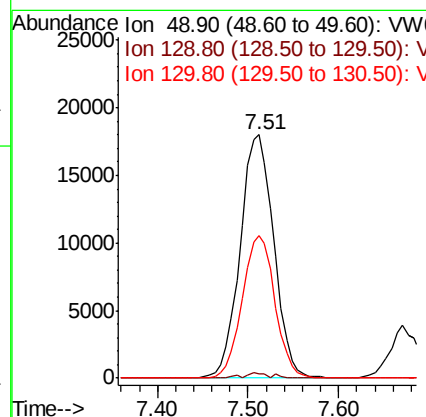
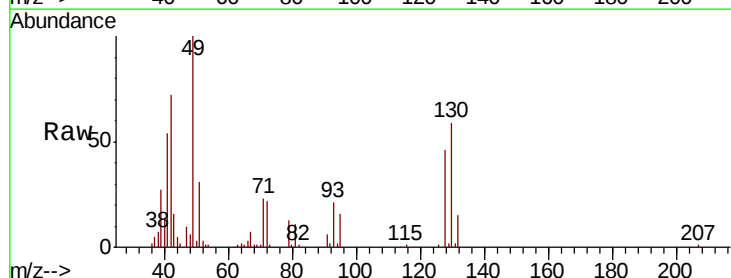
Tgt Ion: 96 Resp: 52057
Ion Ratio Lower Upper
96 100
61 160.0 0.0 326.6
98 63.6 0.0 127.4

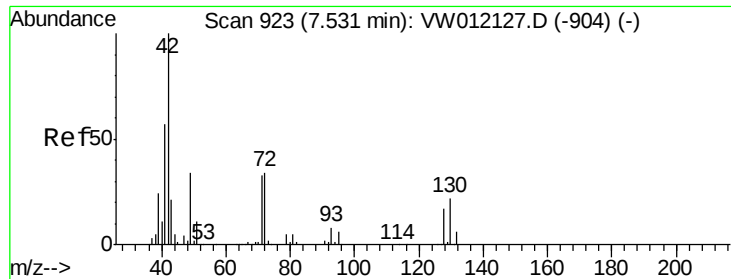


#28

Bromochloromethane
Concen: 23.357 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 49 Resp: 46245
Ion Ratio Lower Upper
49 100
129 1.2 0.0 1.4
130 56.7 45.5 68.3

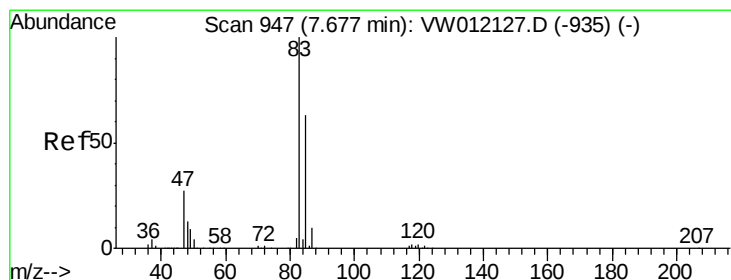
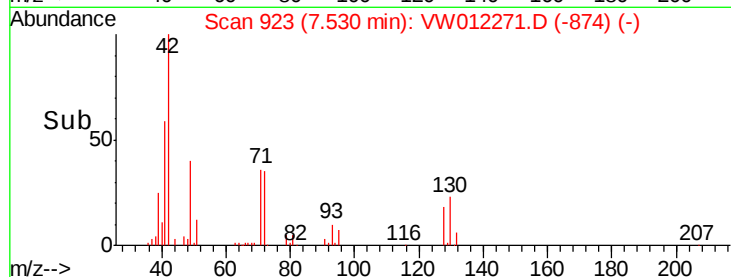
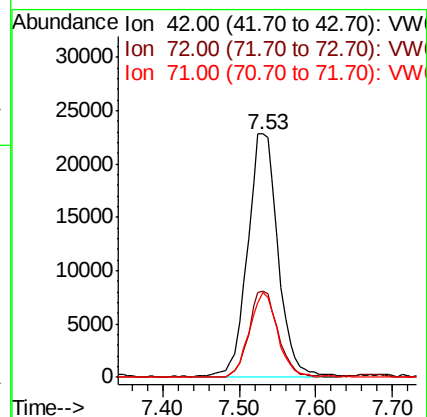
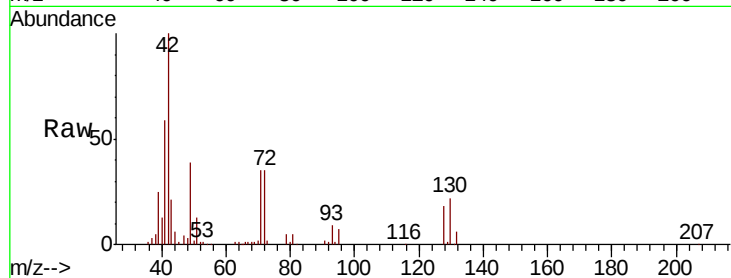




#29
Tetrahydrofuran
Concen: 122.514 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

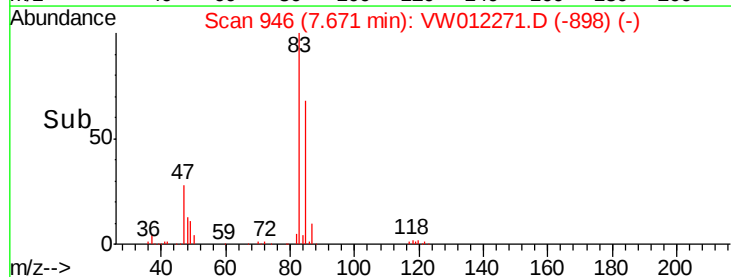
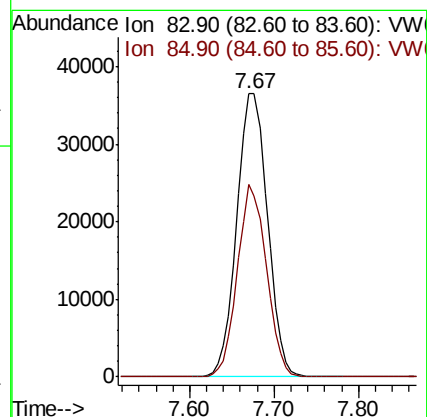
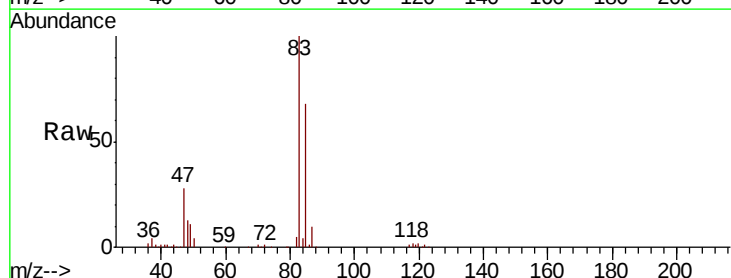
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

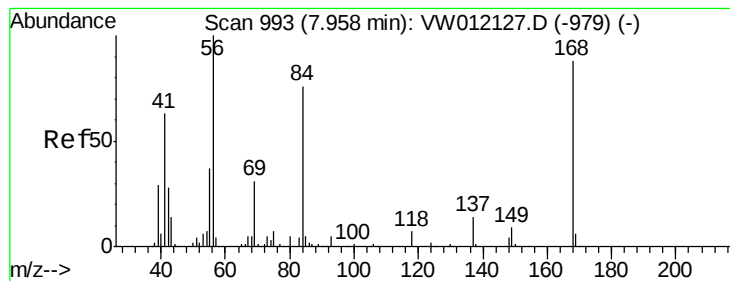
Tgt Ion: 42 Resp: 63707
Ion Ratio Lower Upper
42 100
72 34.1 27.3 40.9
71 32.2 25.5 38.3



#30
Chloroform
Concen: 21.681 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 83 Resp: 90108
Ion Ratio Lower Upper
83 100
85 67.9 50.6 76.0





#31

Cyclohexane

Concen: 18.436 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

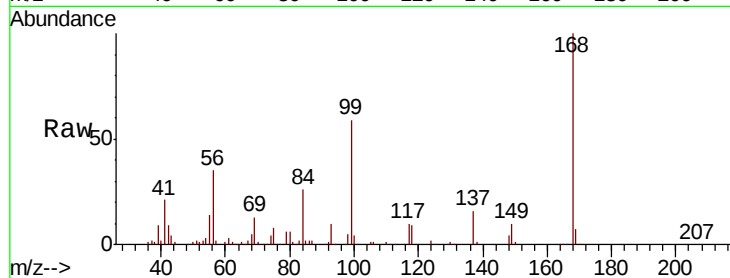
Tgt Ion: 56 Resp: 82857

Ion Ratio Lower Upper

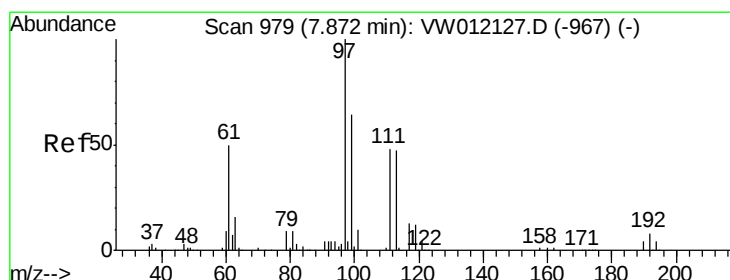
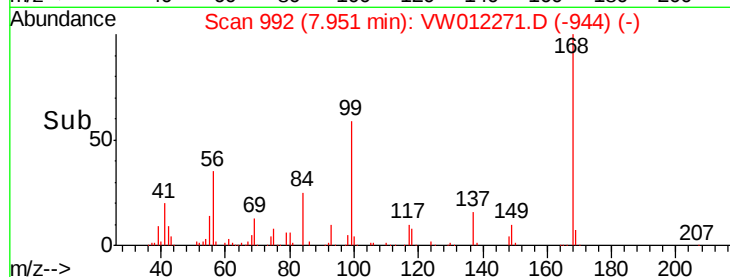
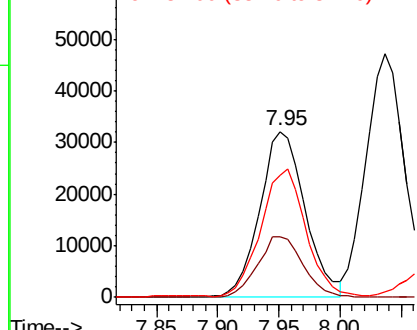
56 100

69 36.4 24.9 37.3

84 72.0 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: 20.969 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

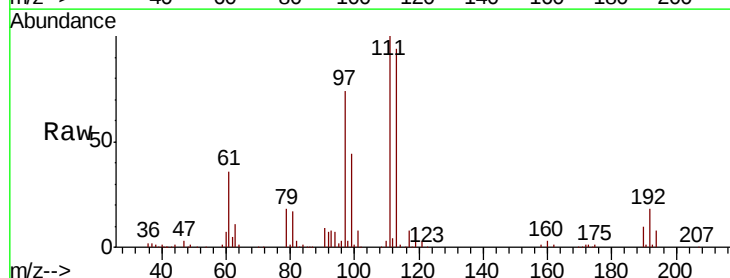
Tgt Ion: 97 Resp: 68940

Ion Ratio Lower Upper

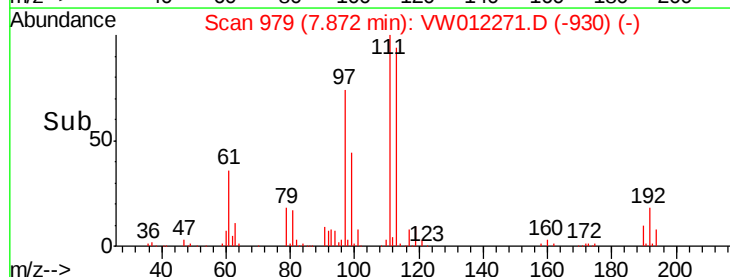
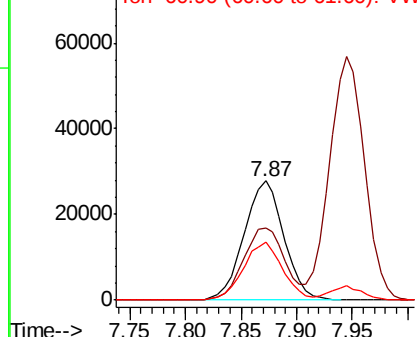
97 100

99 62.3 51.4 77.0

61 48.2 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

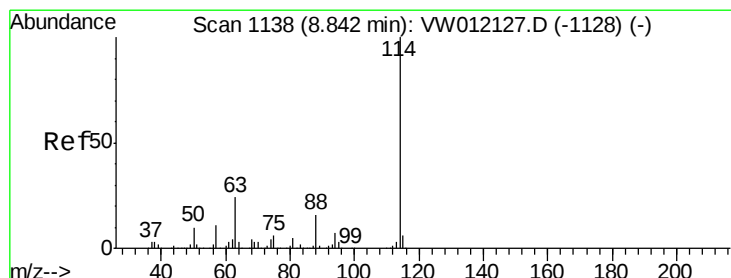
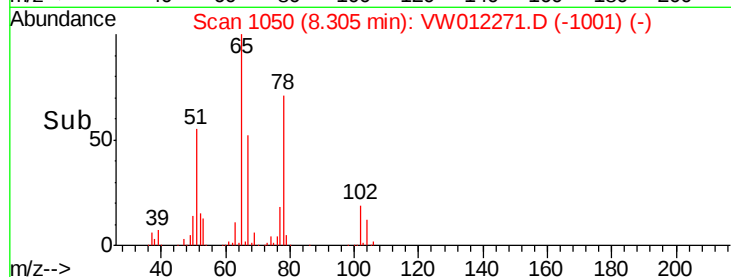
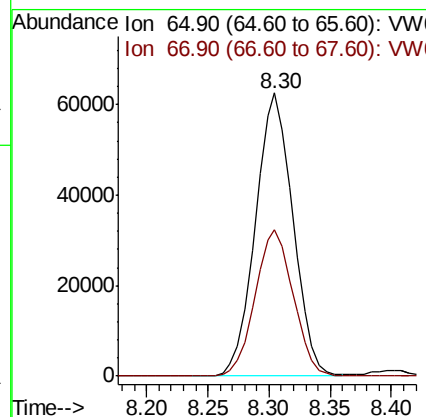
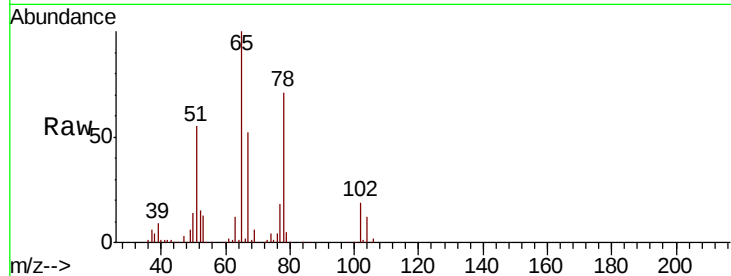




#33
 1,2-Dichloroethane-d4
 Concen: 53.544 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

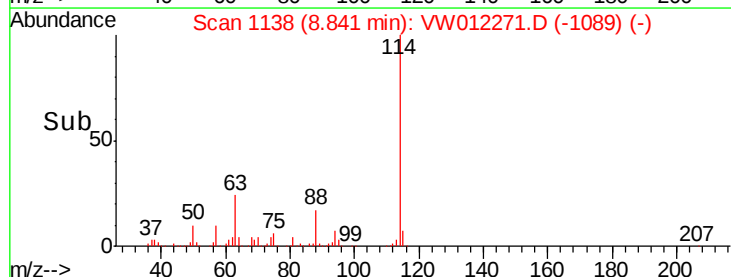
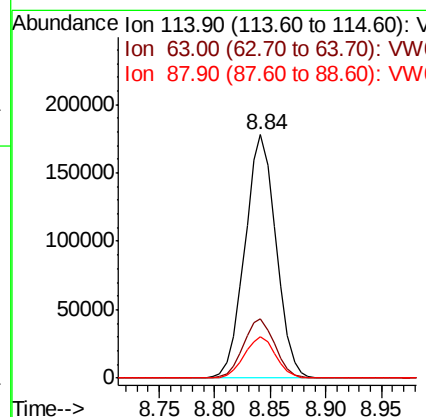
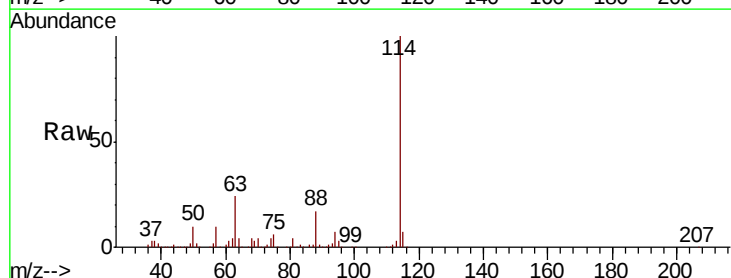
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD02

Tgt Ion: 65 Resp: 133601
 Ion Ratio Lower Upper
 65 100
 67 52.5 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: VW012271.D
 Acq: 29 Aug 2019 00:18

Tgt Ion: 114 Resp: 345790
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.8 0.0 32.2

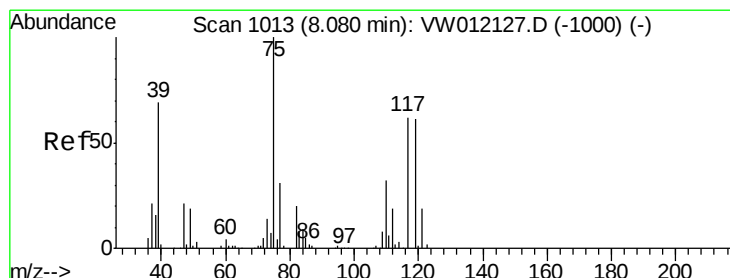
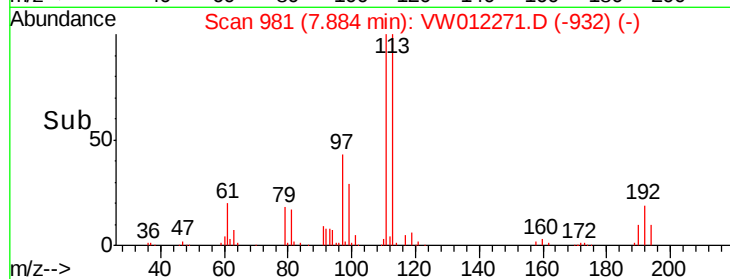
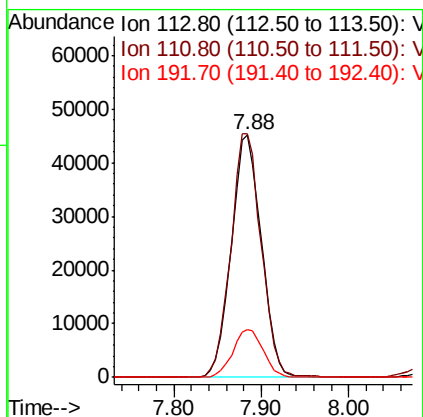
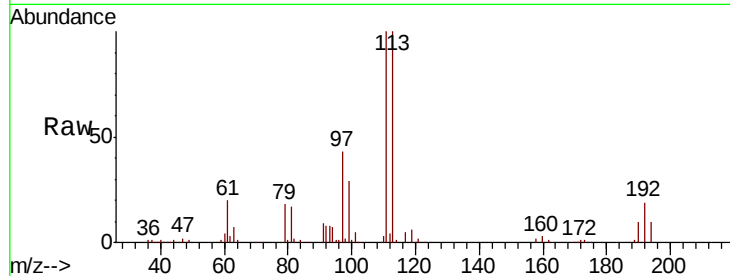




#35
 Dibromofluoromethane
 Concen: 52.428 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

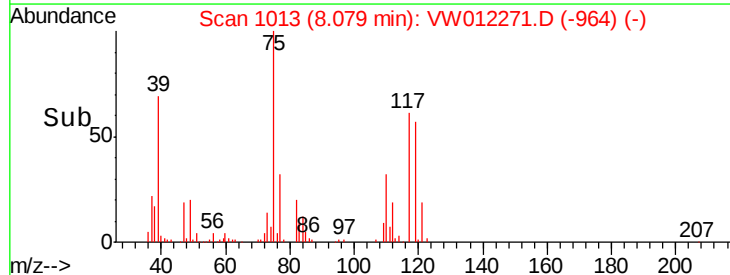
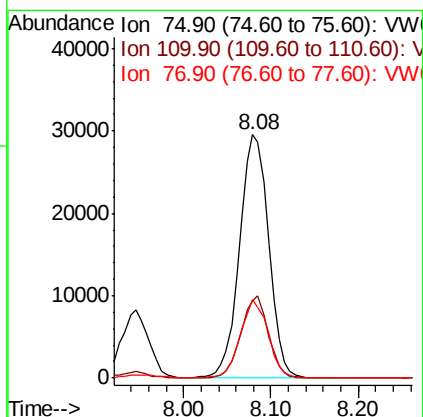
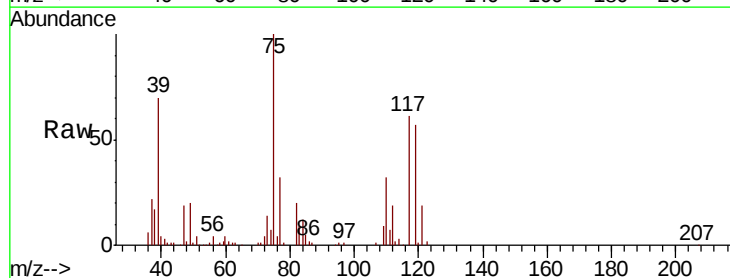
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD02

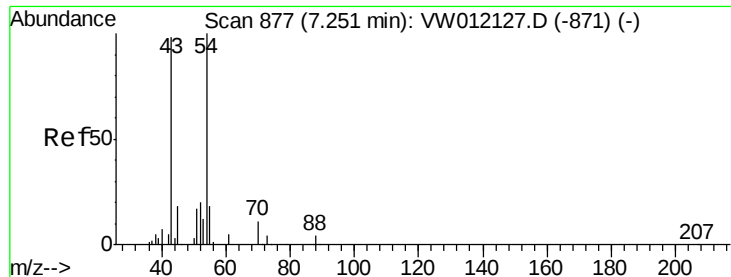
Tgt Ion:113 Resp: 108214
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.7 124.1
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 19.183 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

Tgt Ion: 75 Resp: 68548
 Ion Ratio Lower Upper
 75 100
 110 31.6 15.6 46.8
 77 30.8 24.6 36.8

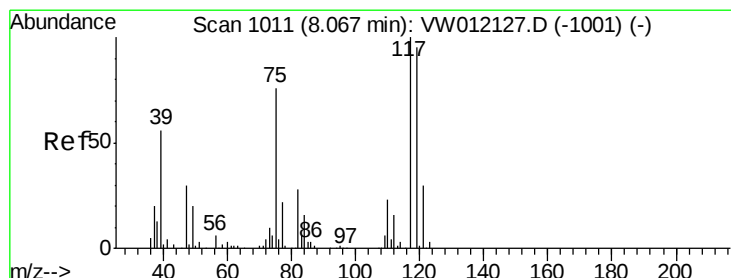
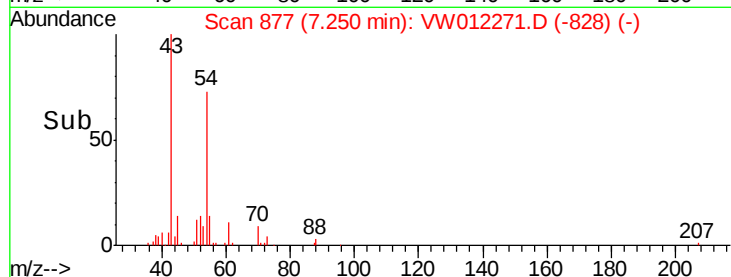
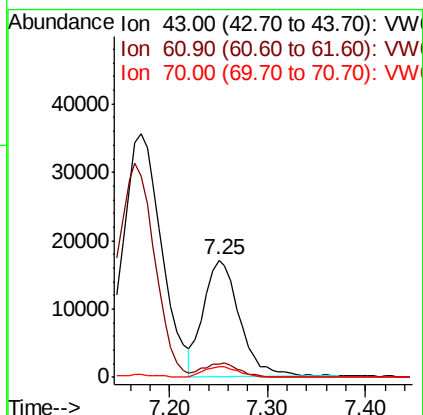
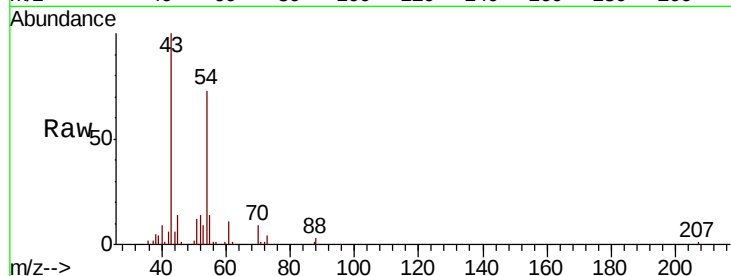




#37
Ethyl Acetate
Concen: 22.261 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

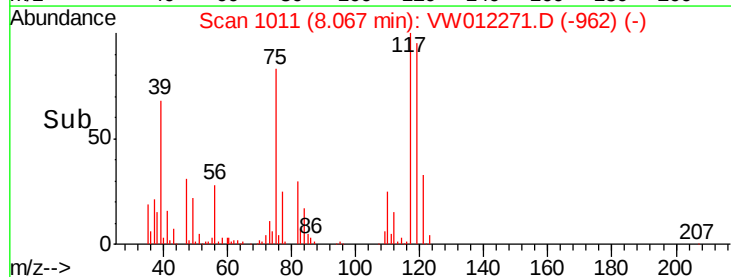
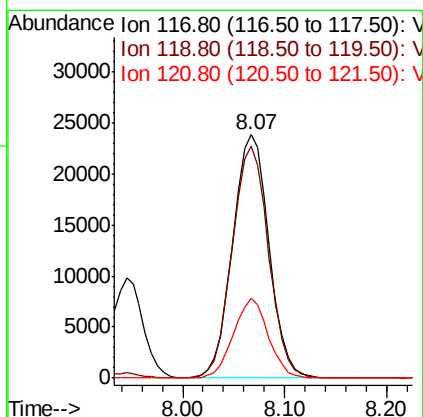
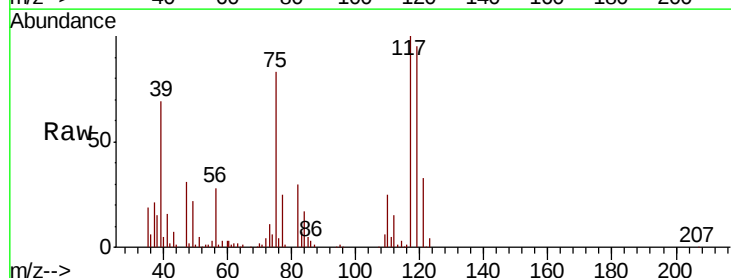
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

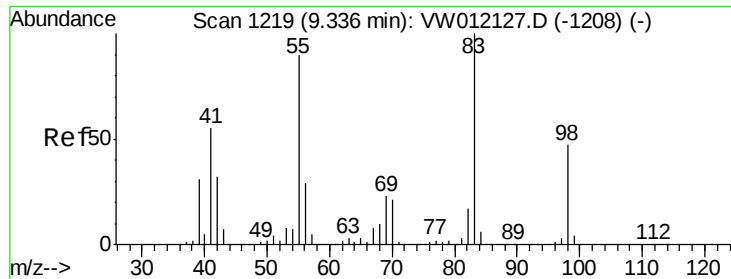
Tgt Ion: 43 Resp: 43591
Ion Ratio Lower Upper
43 100
61 12.4 9.2 13.8
70 9.2 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.071 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 117 Resp: 58984
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.2
121 32.6 23.8 35.8

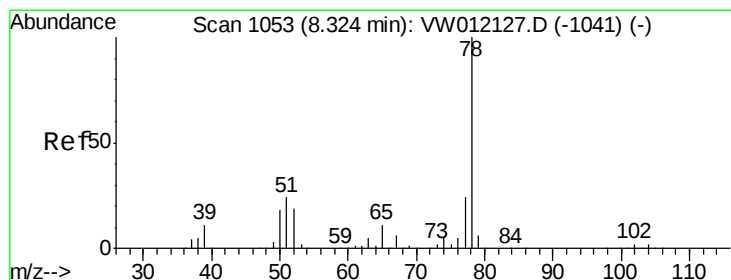
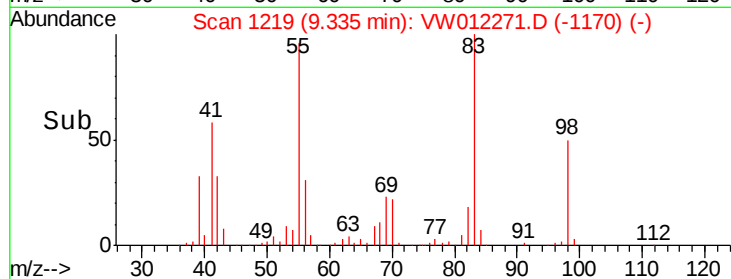
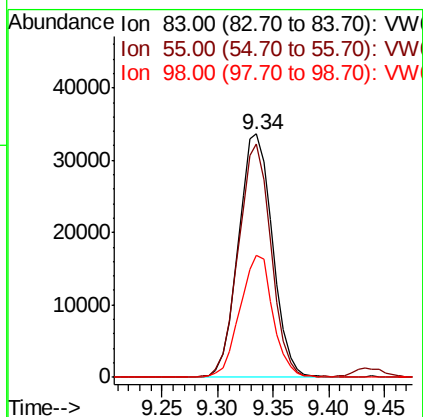
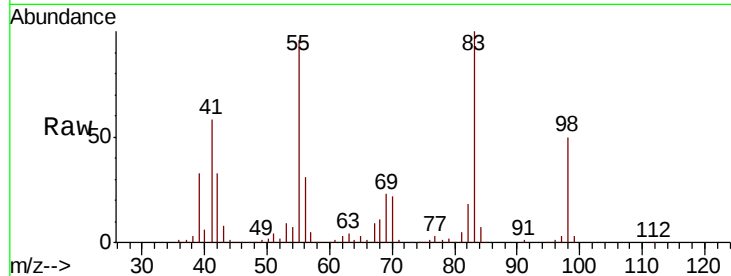




#39
Methylcyclohexane
Concen: 17.823 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

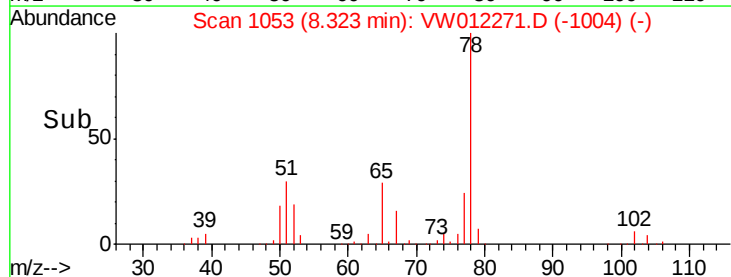
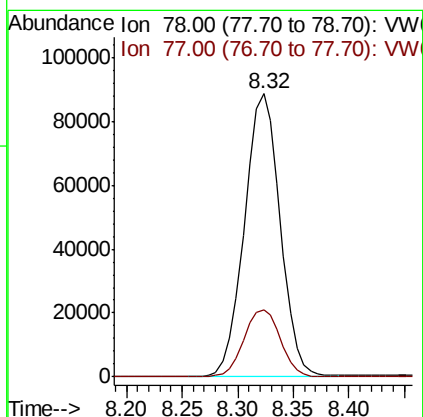
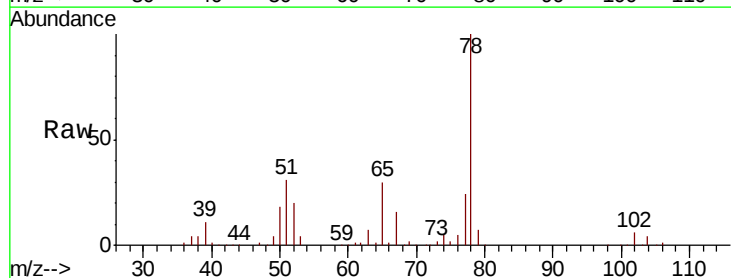
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

Tgt Ion: 83 Resp: 71548
Ion Ratio Lower Upper
83 100
55 95.5 71.8 107.8
98 50.0 37.8 56.8



#40
Benzene
Concen: 20.327 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 78 Resp: 198332
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3

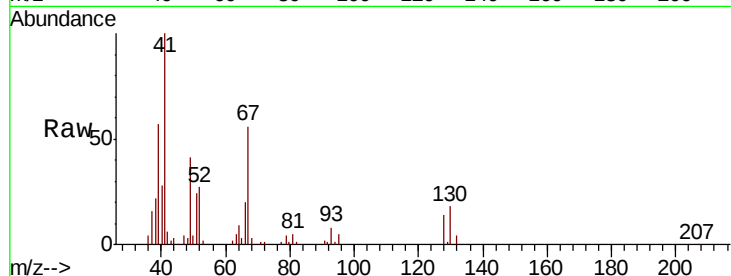




#41
Methacrylonitrile
Concen: 22.905 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

Tgt Ion:	41	Resp:	26361
Ion	Ratio	Lower	Upper
41	100		
39	60.0	45.8	68.8
67	57.9	46.2	69.4
52	27.6	21.0	31.6



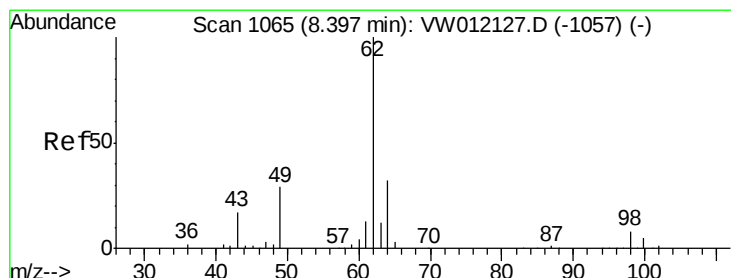
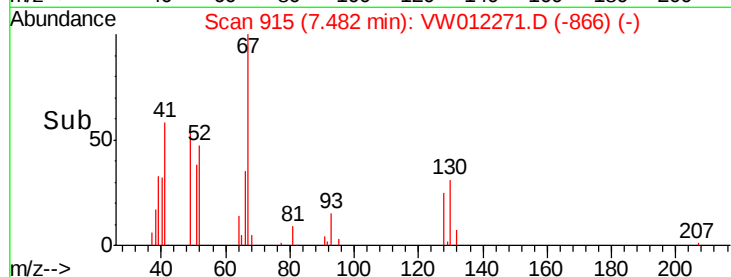
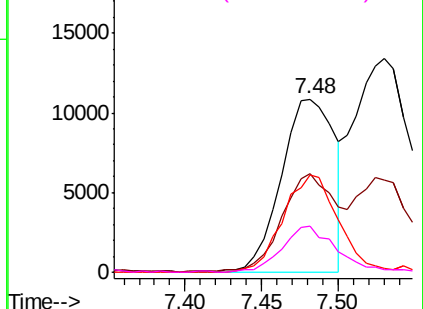
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

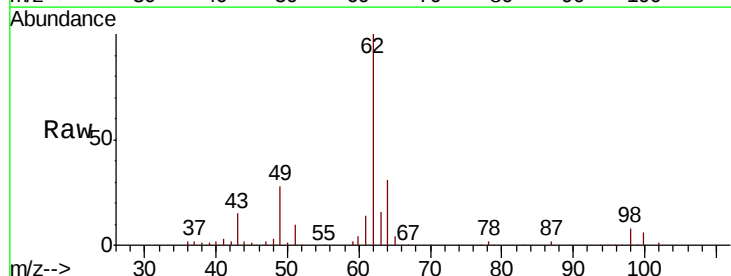
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.777 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

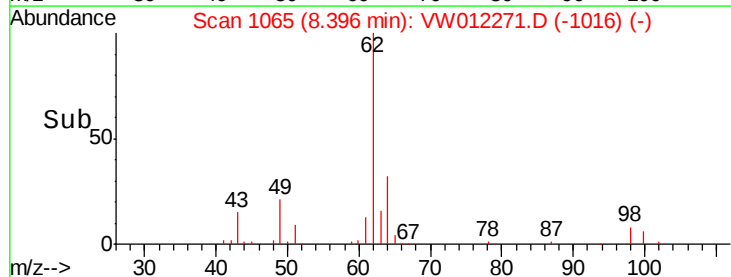
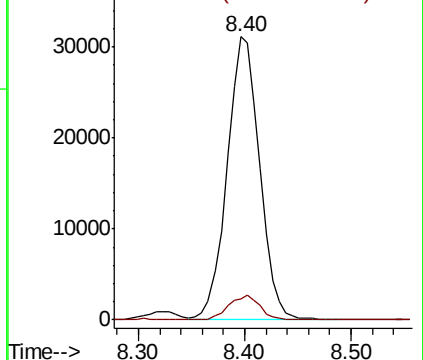
Tgt Ion:	62	Resp:	66593
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6

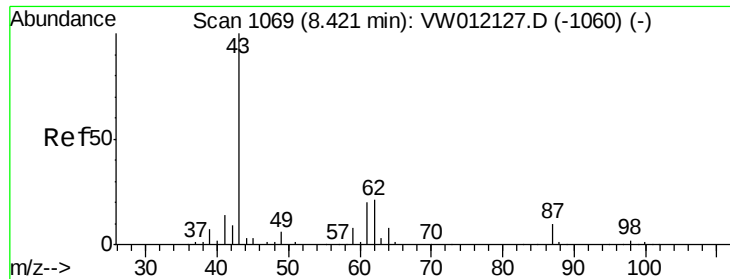


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 22.572 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD02

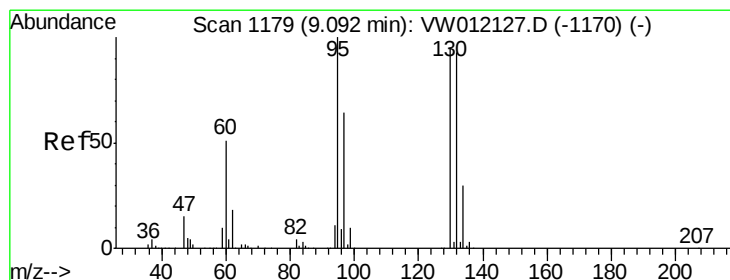
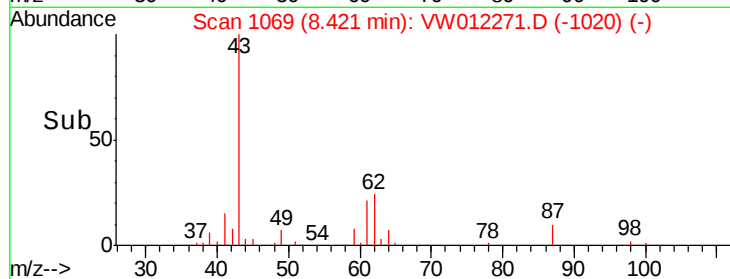
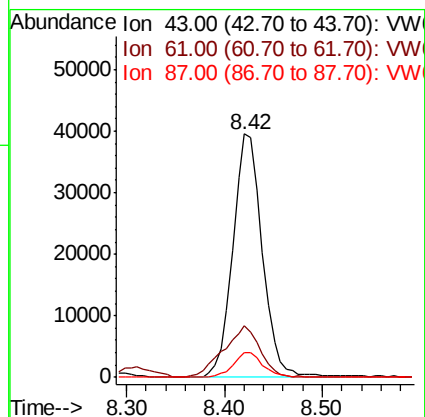
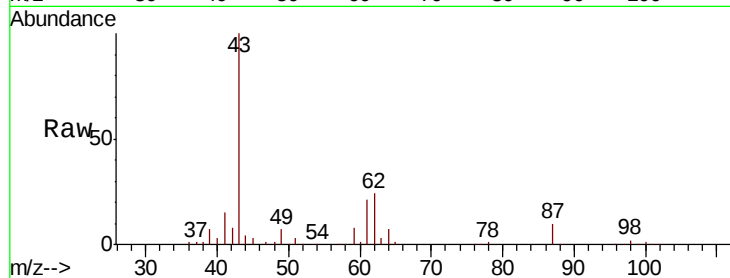
Tgt Ion: 43 Resp: 81869

Ion Ratio Lower Upper

43 100

61 26.6 21.1 31.7

87 10.3 8.2 12.2



#44

Trichloroethene

Concen: 20.165 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012271.D

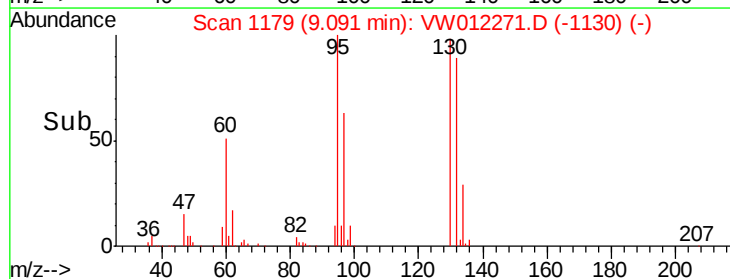
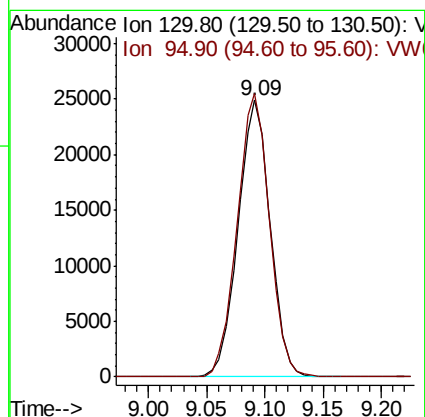
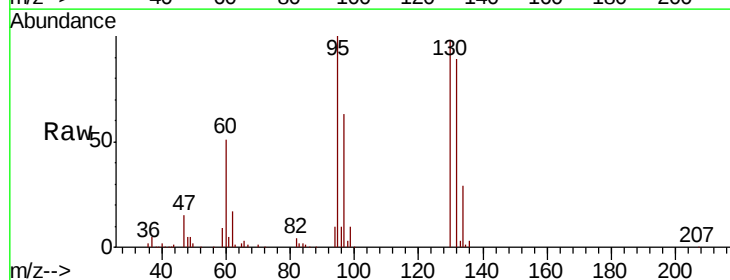
Acq: 29 Aug 2019 00:18

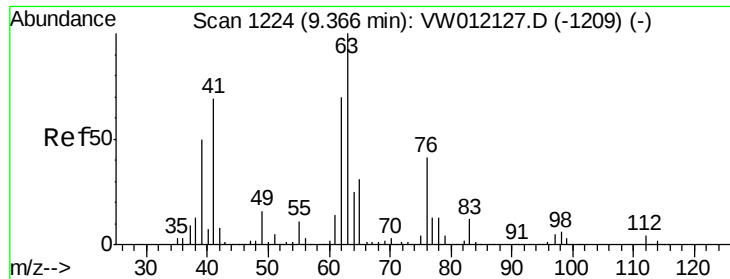
Tgt Ion: 130 Resp: 47830

Ion Ratio Lower Upper

130 100

95 102.3 0.0 210.6





#45

1,2-Dichloropropane

Concen: 21.291 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

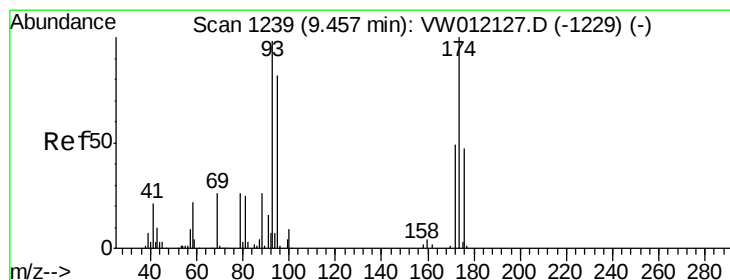
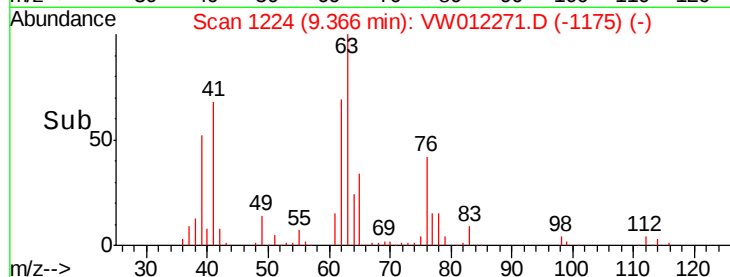
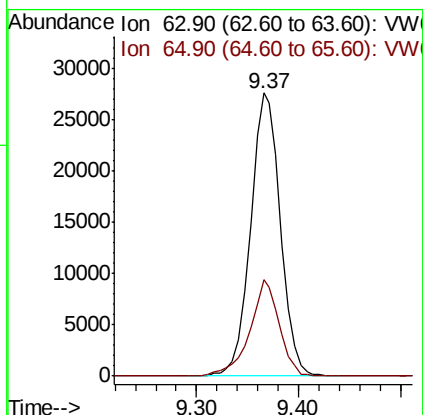
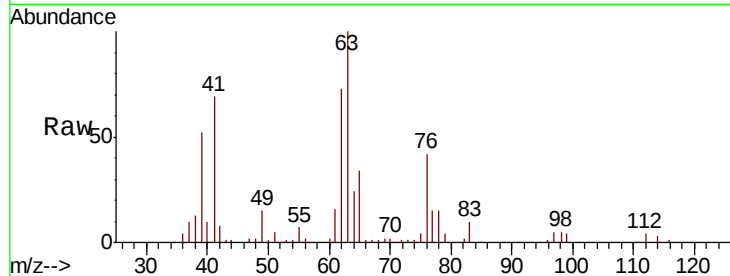
VW0828SBS02

Tgt Ion: 63 Resp: 55910

Ion Ratio Lower Upper

63 100

65 34.0 25.0 37.4



#46

Dibromomethane

Concen: 22.162 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

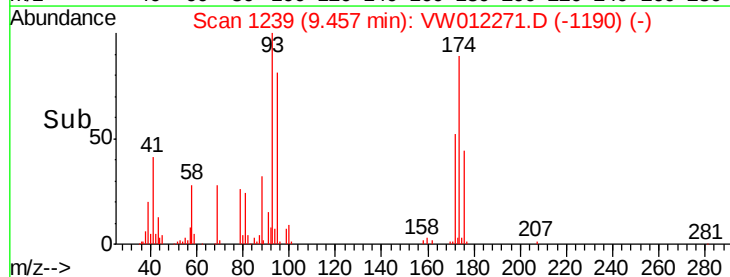
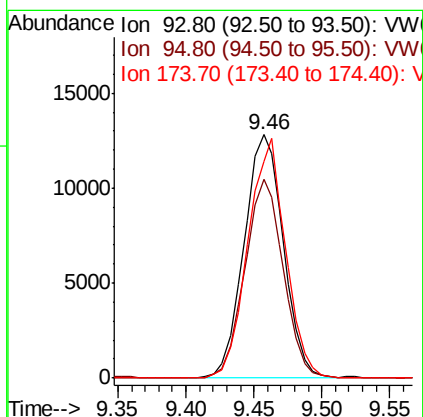
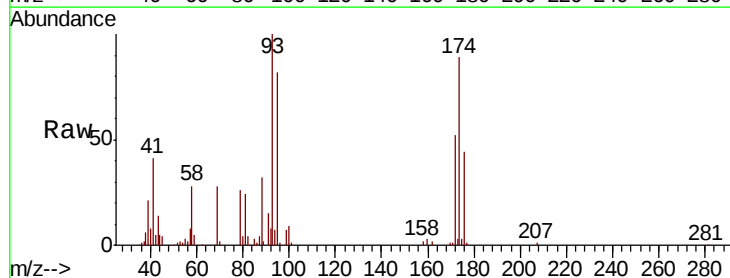
Tgt Ion: 93 Resp: 25894

Ion Ratio Lower Upper

93 100

95 79.8 67.2 100.8

174 94.5 79.0 118.6





#47

Bromodichloromethane

Concen: 20.949 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

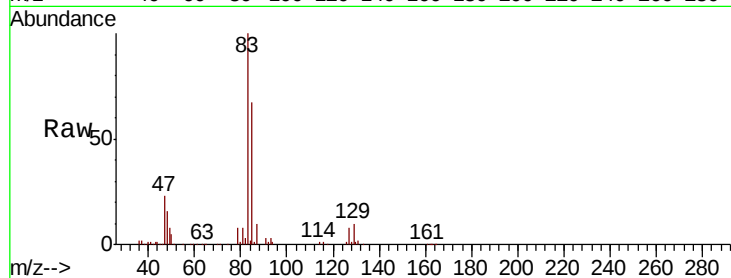
Tgt Ion: 83 Resp: 65142

Ion Ratio Lower Upper

83 100

85 66.8 49.4 74.2

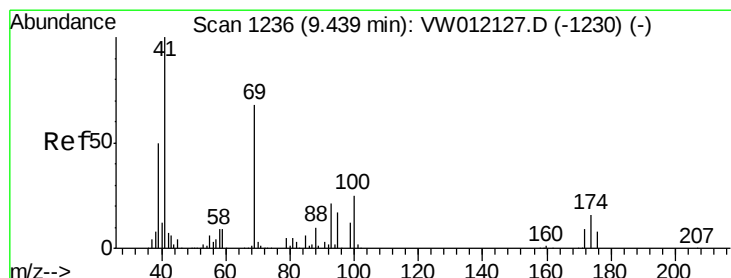
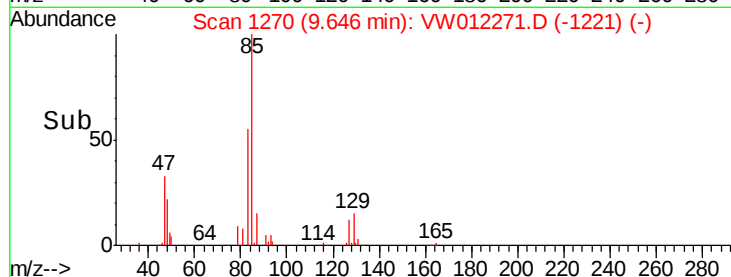
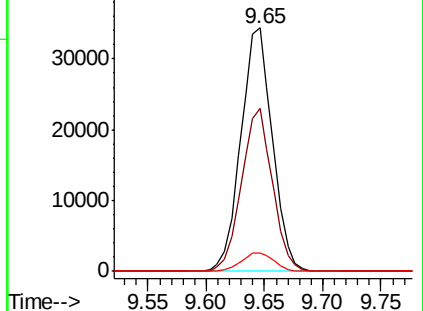
127 7.7 6.1 9.1



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: 22.463 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

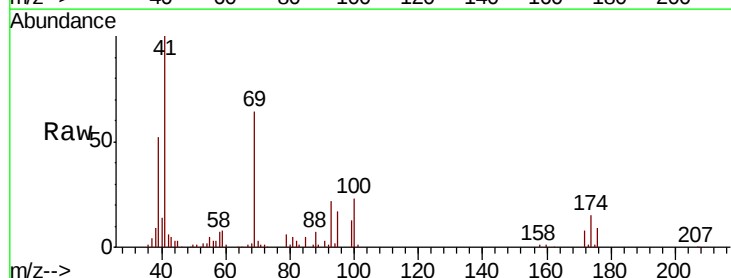
Tgt Ion: 41 Resp: 38778

Ion Ratio Lower Upper

41 100

69 72.7 56.7 85.1

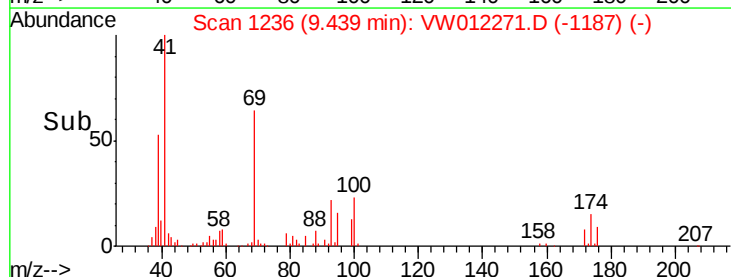
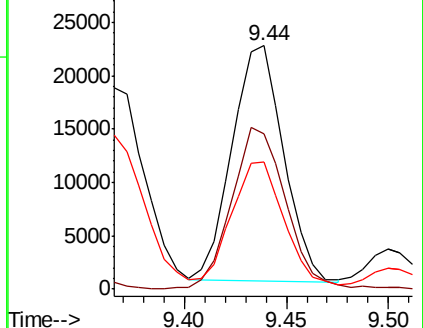
39 56.5 42.0 63.0

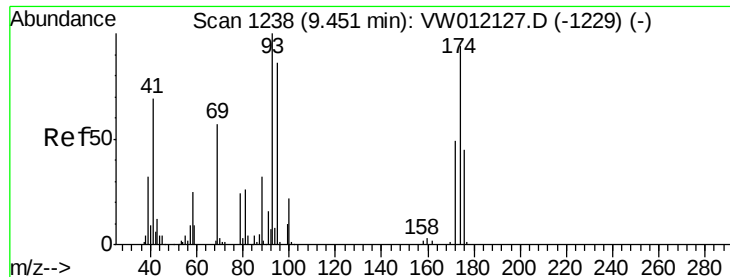


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 501.777 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD02

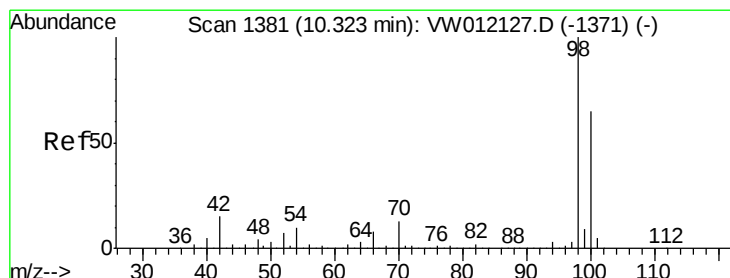
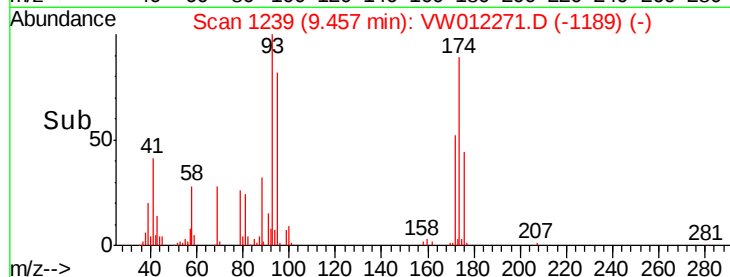
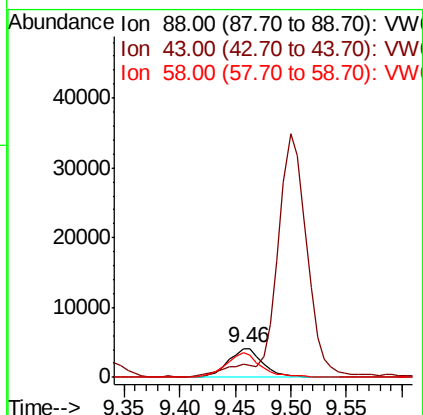
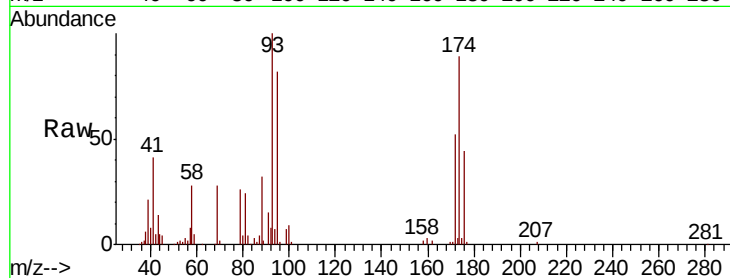
Tgt Ion: 88 Resp: 8975

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

58 85.7 71.0 106.4



#50

Toluene-d8

Concen: 51.170 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012271.D

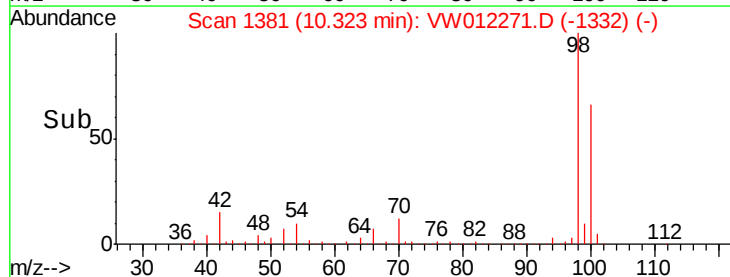
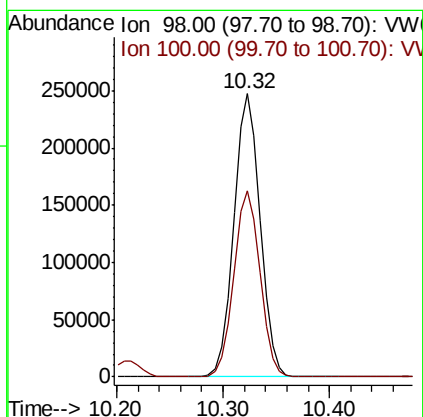
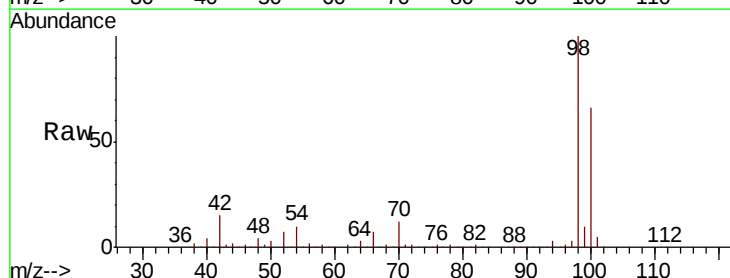
Acq: 29 Aug 2019 00:18

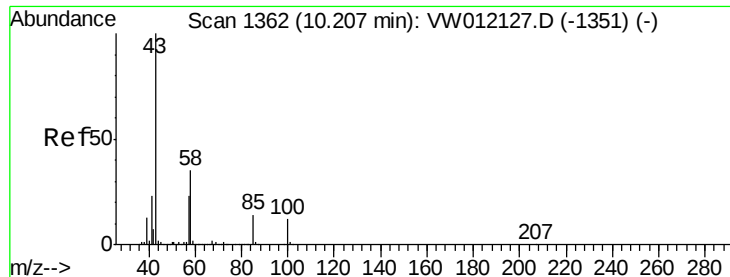
Tgt Ion: 98 Resp: 428248

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6

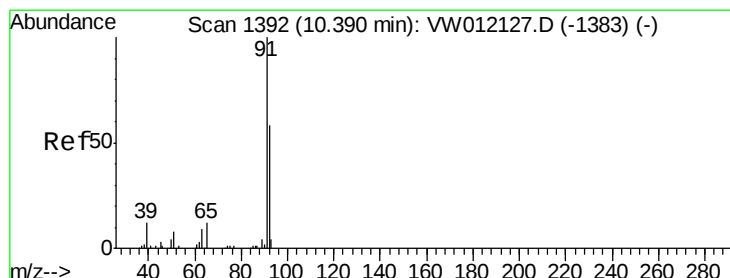
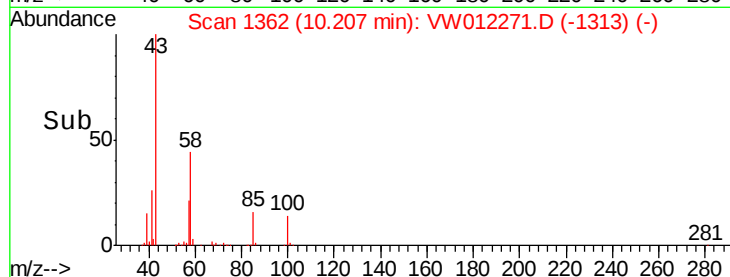
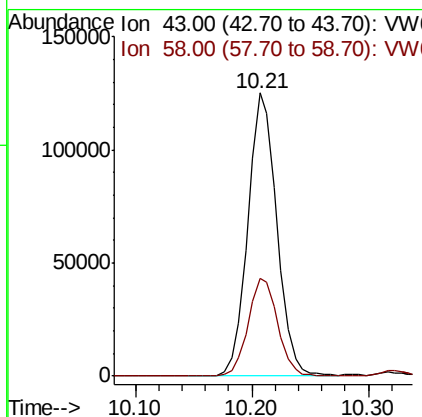
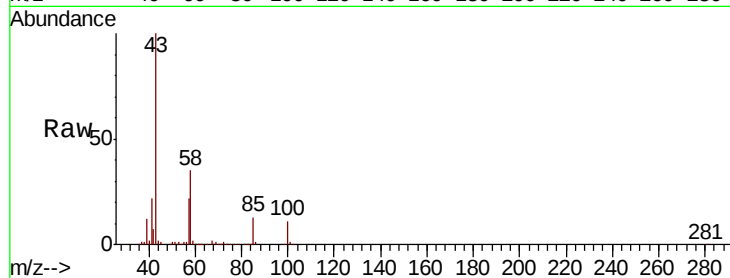




#51
 4-Methyl-2-Pentanone
 Concen: 117.260 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

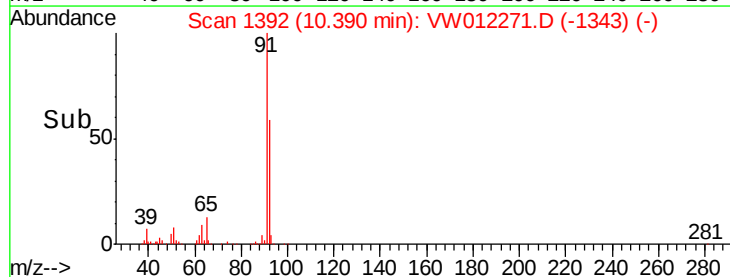
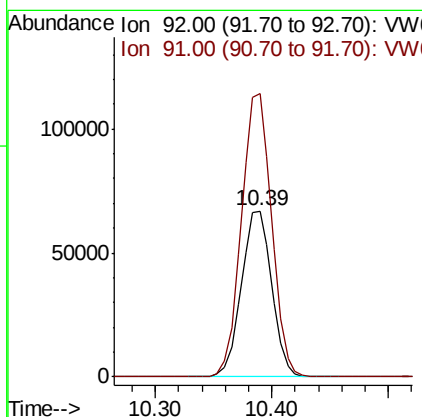
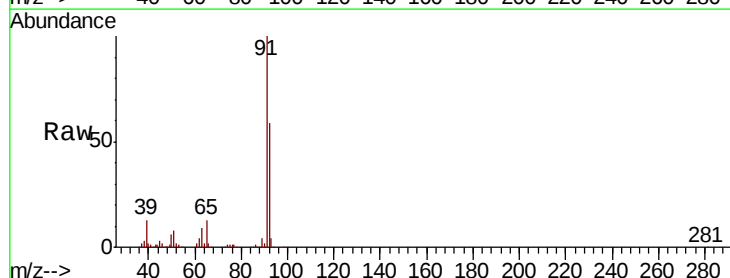
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

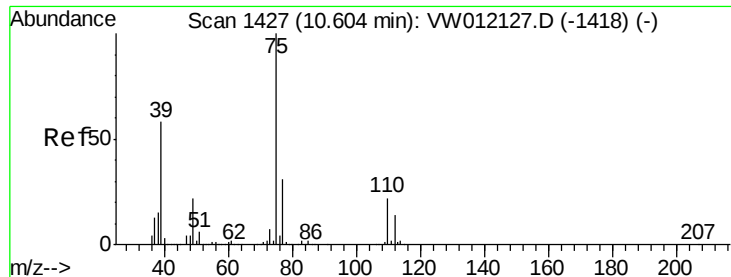
Tgt Ion: 43 Resp: 216326
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.2 42.2



#52
 Toluene
 Concen: 20.788 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

Tgt Ion: 92 Resp: 121851
 Ion Ratio Lower Upper
 92 100
 91 169.8 136.6 204.8

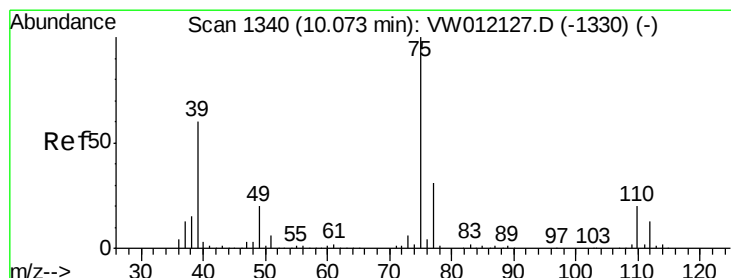
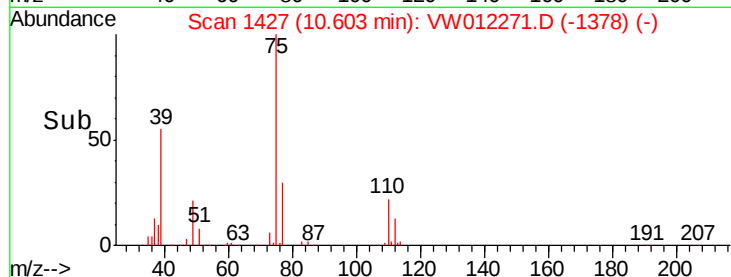
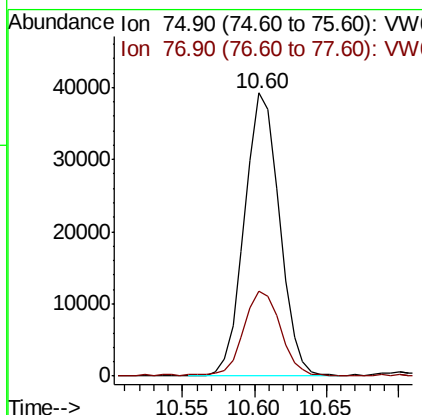
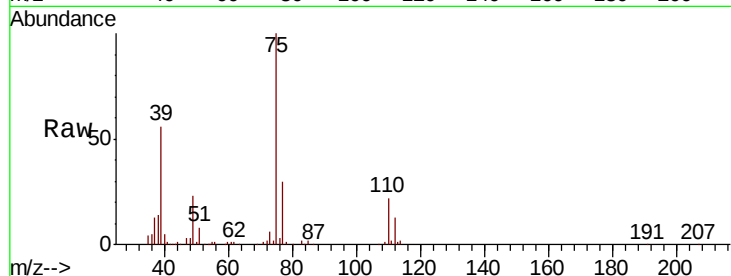




#53
t-1,3-Dichloropropene
Concen: 20.933 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

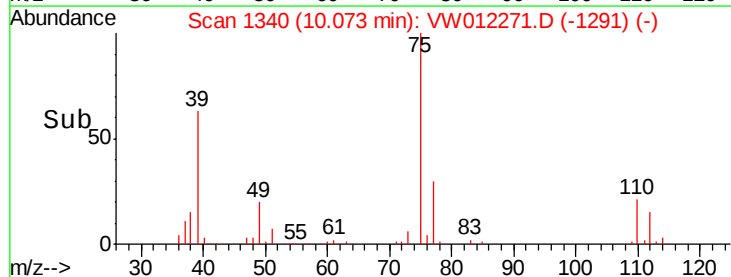
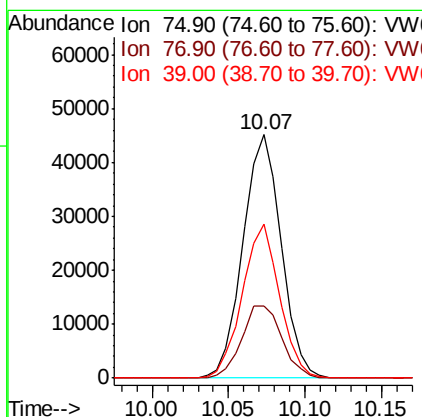
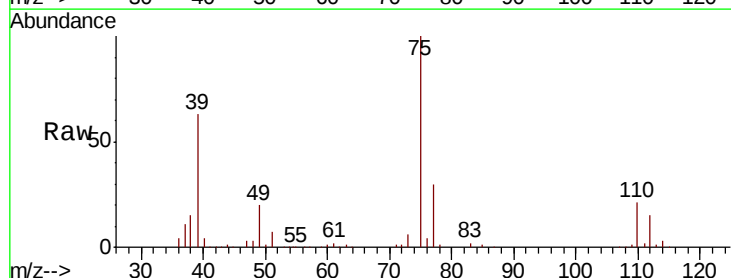
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

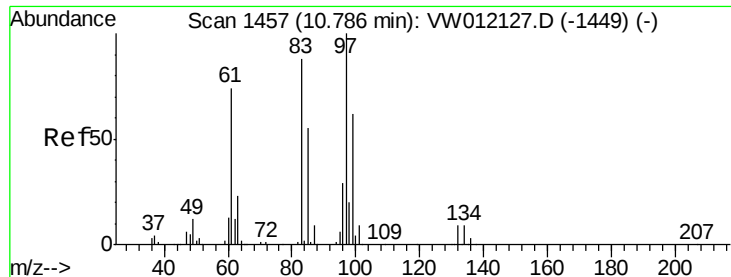
Tgt Ion: 75 Resp: 66303
Ion Ratio Lower Upper
75 100
77 29.6 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 20.545 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 75 Resp: 78576
Ion Ratio Lower Upper
75 100
77 29.8 25.1 37.7
39 63.3 48.3 72.5

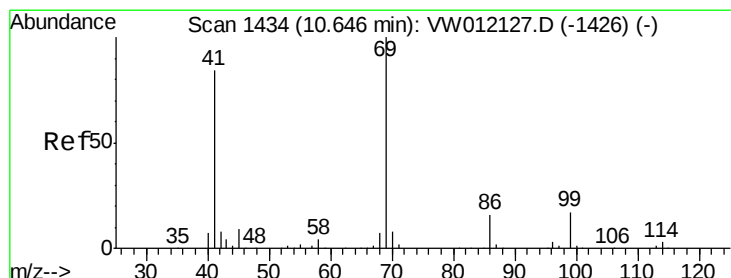
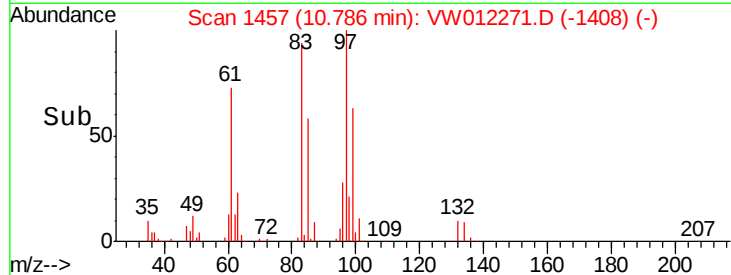
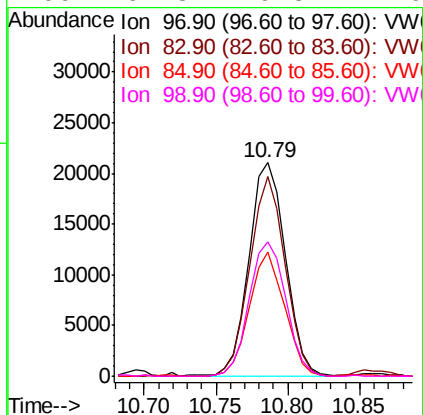
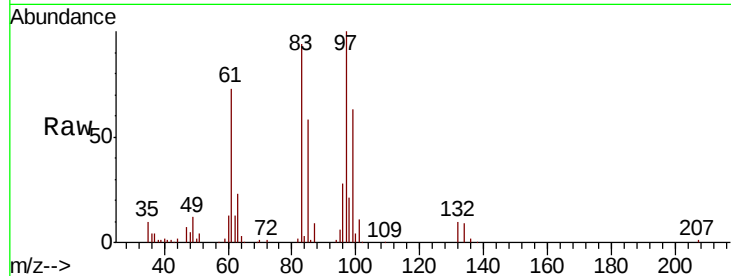




#55
 1,1,2-Trichloroethane
 Concen: 22.256 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

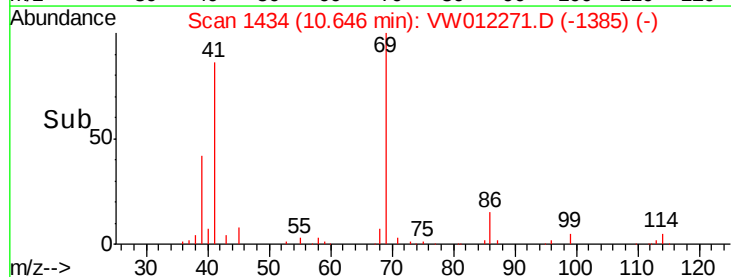
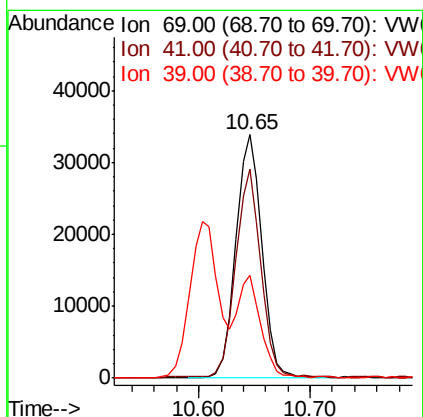
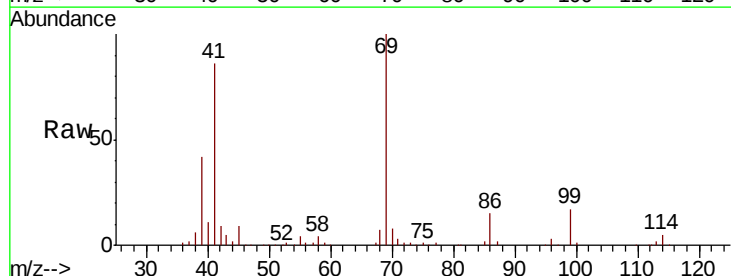
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD02

Tgt Ion:	97	Resp:	36791
Ion	Ratio	Lower	Upper
97	100		
83	93.9	70.8	106.2
85	58.3	43.8	65.8
99	62.8	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 22.768 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

Tgt Ion:	69	Resp:	54779
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.5	99.7
39	37.3	31.0	46.4

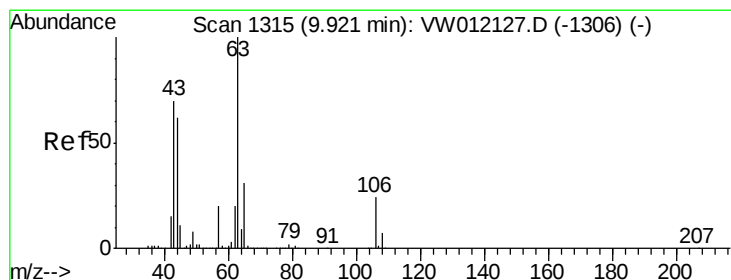
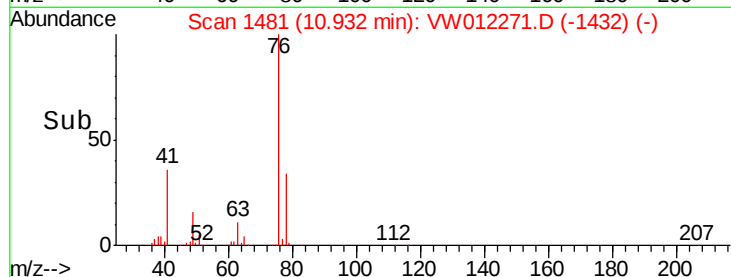
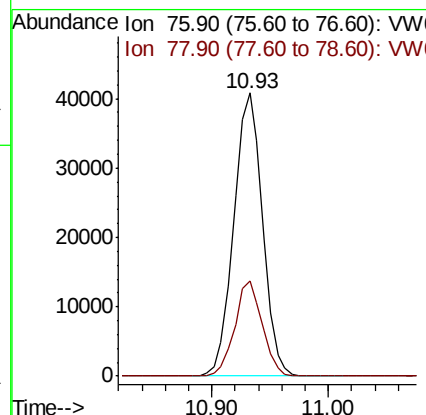
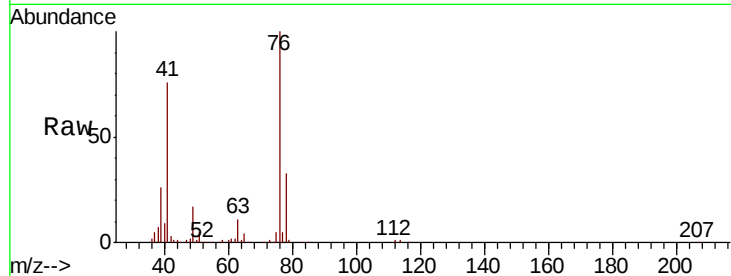




#57
 1,3-Dichloropropane
 Concen: 22.434 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

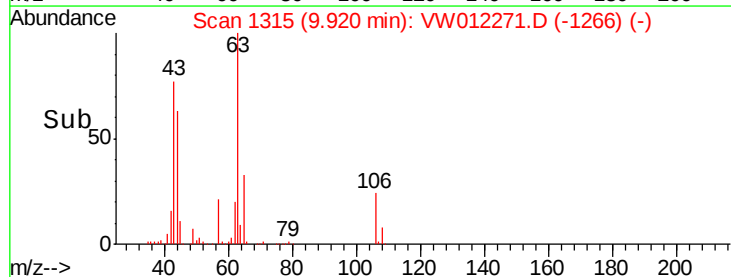
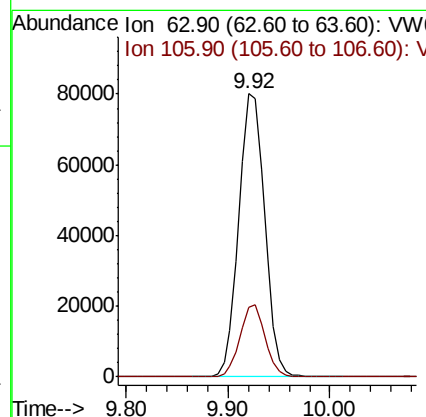
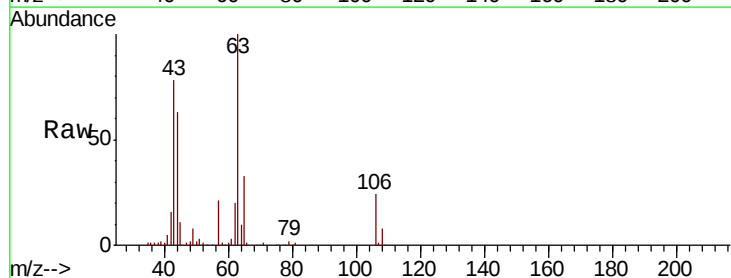
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tgt Ion: 76 Resp: 70082
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.016 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

Tgt Ion: 63 Resp: 140785
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.8 29.8

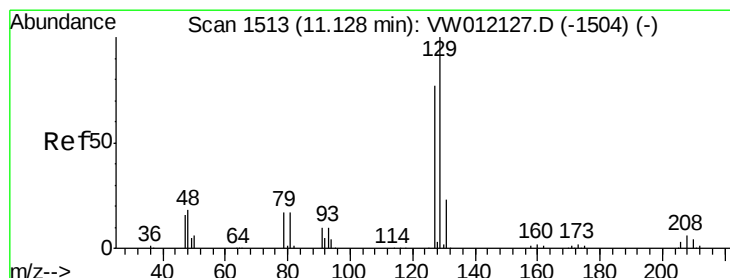
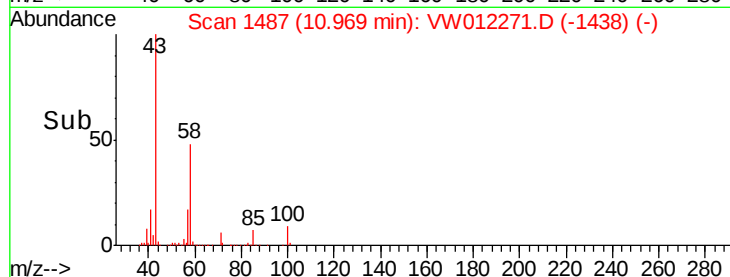
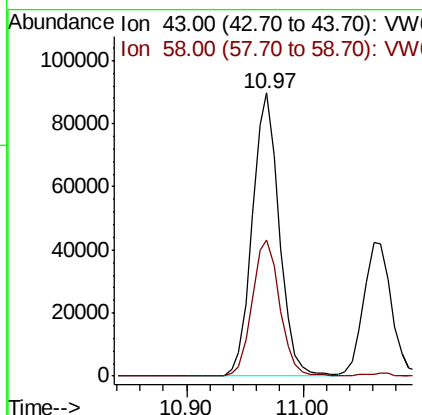
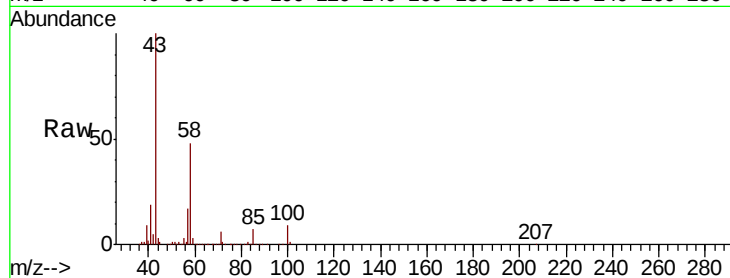




#59
2-Hexanone
Concen: 111.055 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

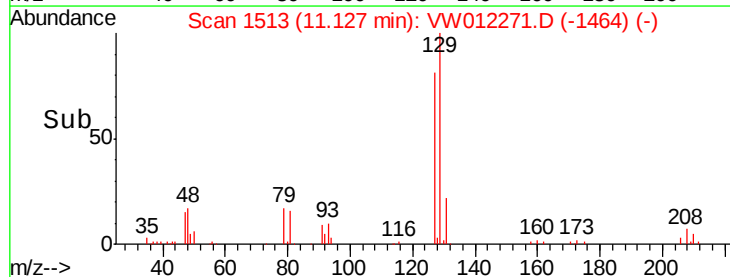
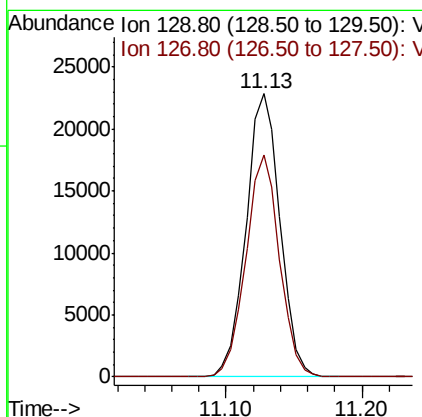
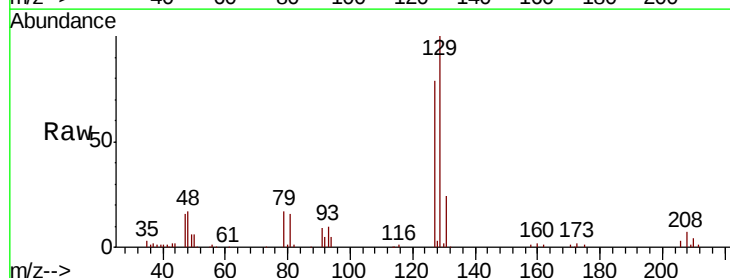
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

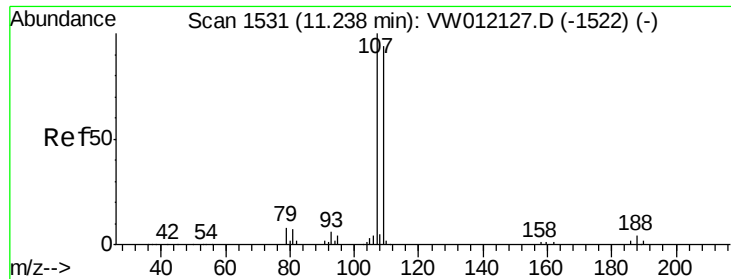
Tgt Ion: 43 Resp: 144966
Ion Ratio Lower Upper
43 100
58 49.5 24.3 72.9



#60
Dibromochloromethane
Concen: 21.698 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 129 Resp: 39952
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8

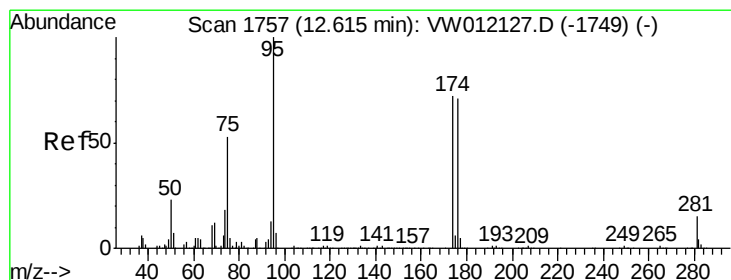
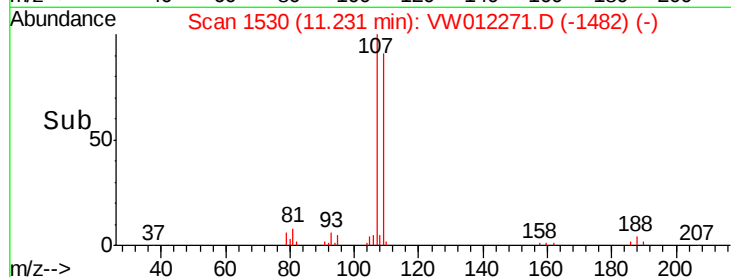
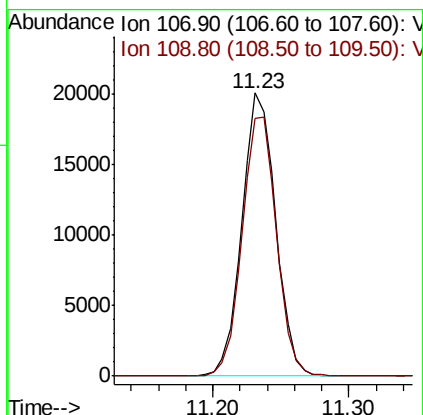
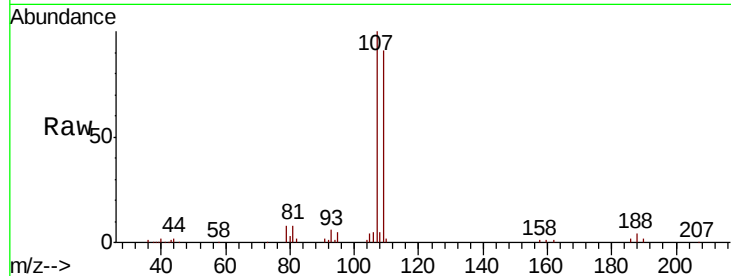




#61
 1,2-Dibromoethane
 Concen: 22.606 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

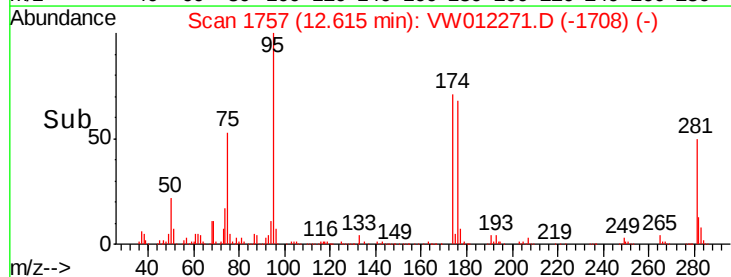
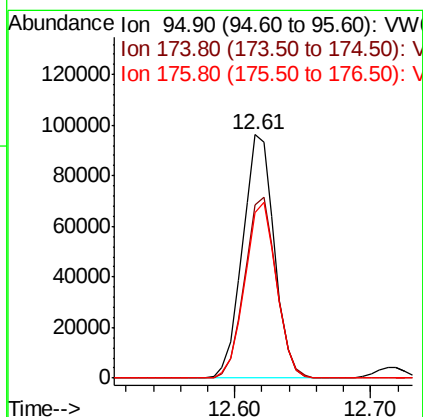
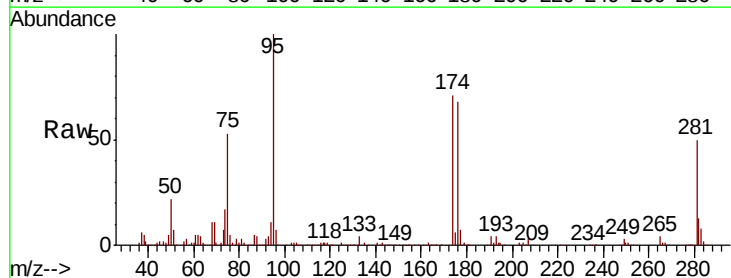
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD02

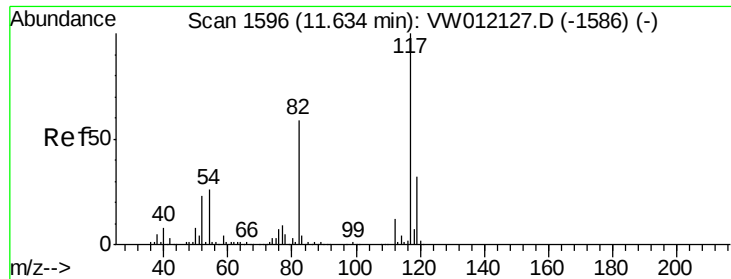
Tgt Ion: 107 Resp: 34815
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 53.051 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

Tgt Ion: 95 Resp: 156505
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 150.8
 176 72.4 0.0 148.6

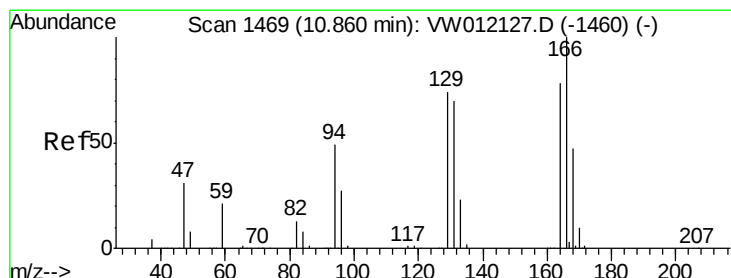
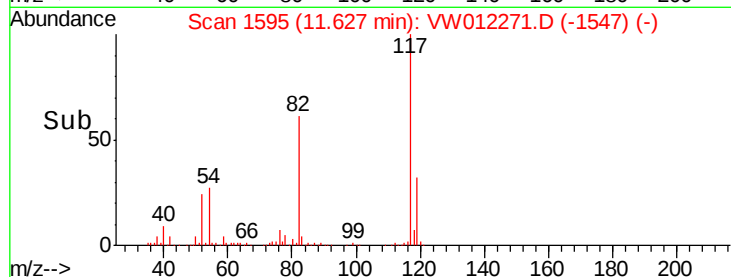
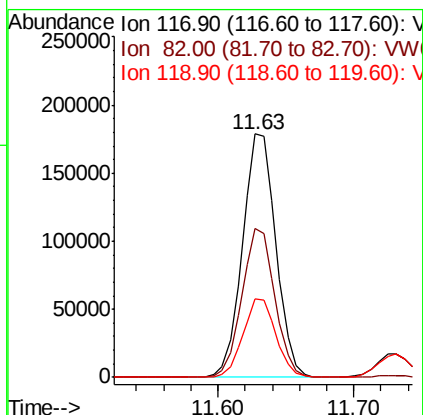
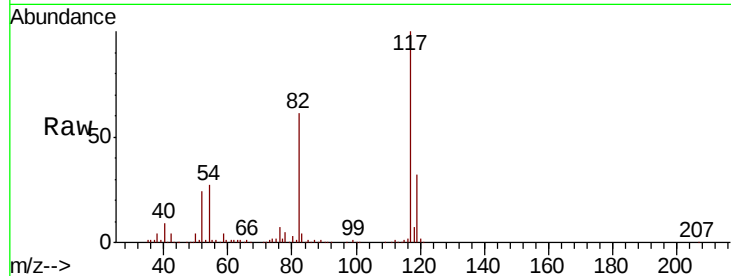




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

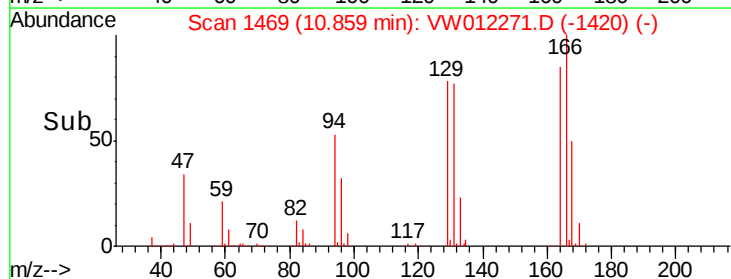
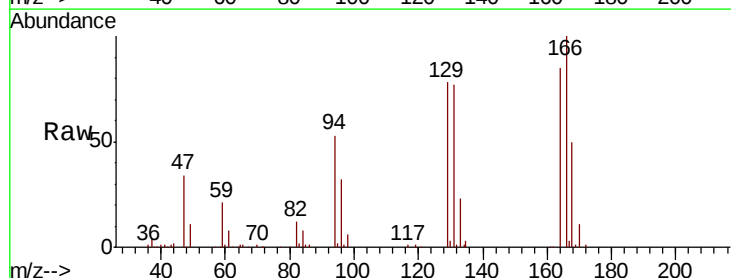
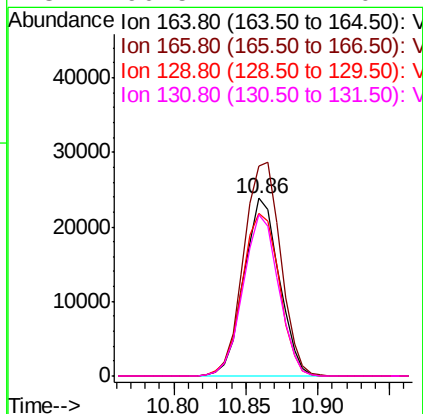
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

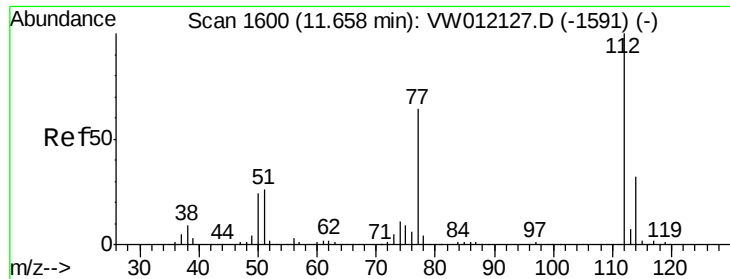
Tgt Ion:117 Resp: 306626
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 20.376 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion:164 Resp: 40507
Ion Ratio Lower Upper
164 100
166 117.8 102.4 153.6
129 91.5 75.8 113.6
131 90.5 71.4 107.2

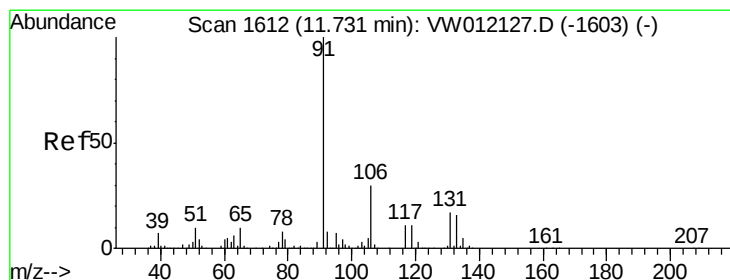
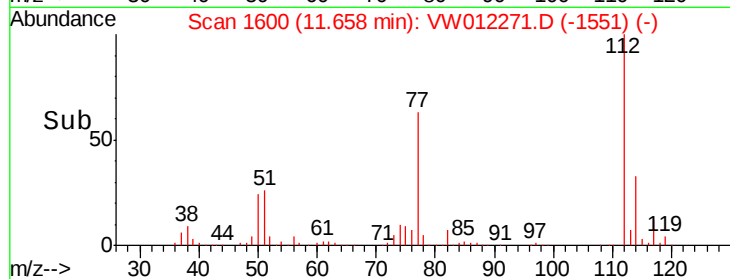
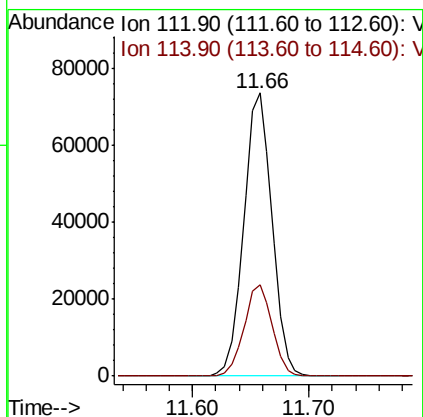
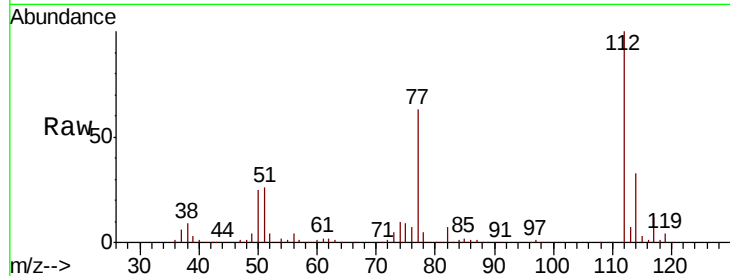




#65
Chlorobenzene
Concen: 20.662 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

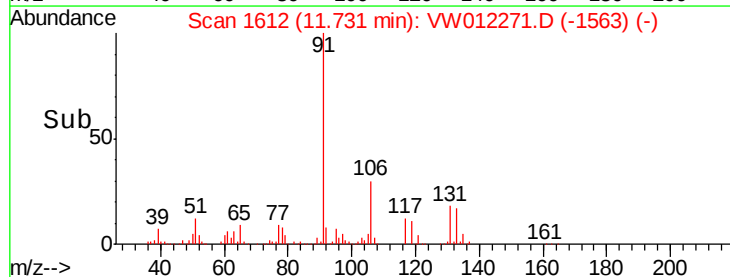
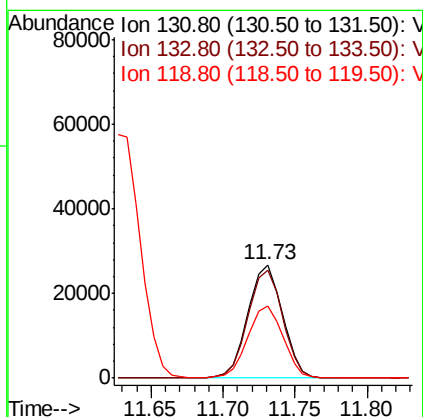
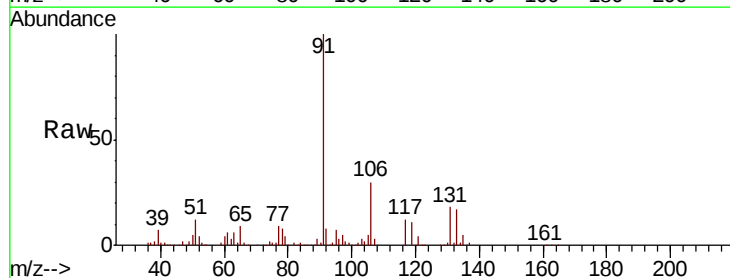
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

Tgt Ion:112 Resp: 124752
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.166 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion:131 Resp: 44583
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 64.7 31.8 95.3

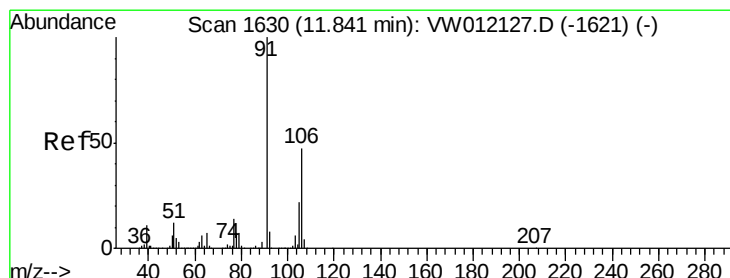
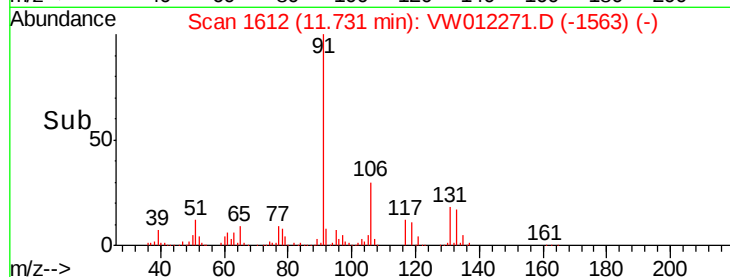
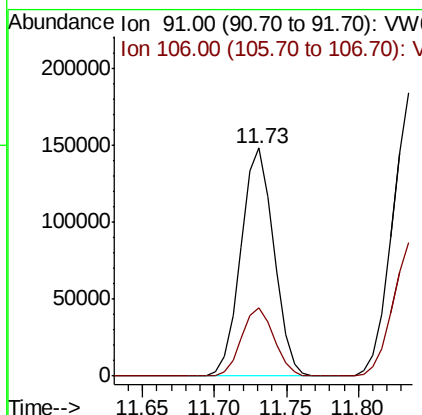
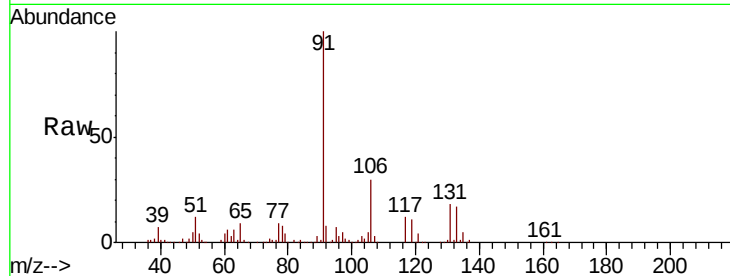




#67
Ethyl Benzene
Concen: 20.256 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

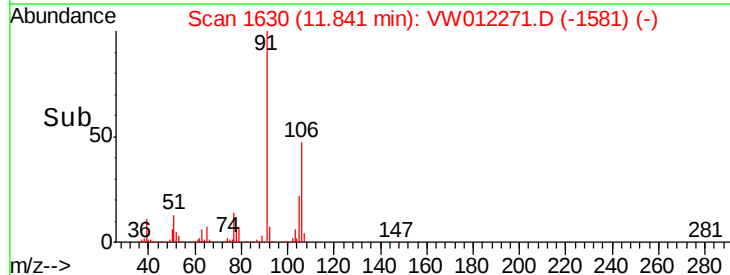
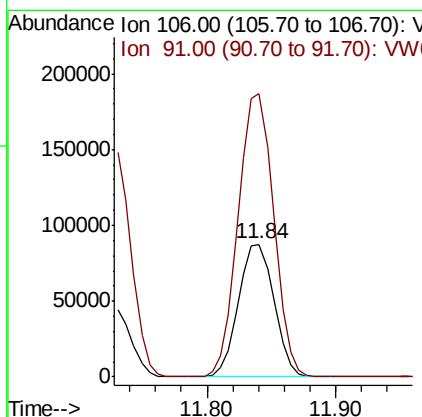
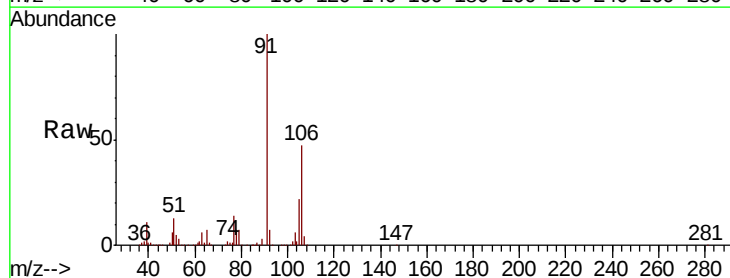
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

Tgt Ion: 91 Resp: 235594
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 40.155 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 106 Resp: 168229
Ion Ratio Lower Upper
106 100
91 212.4 169.5 254.3

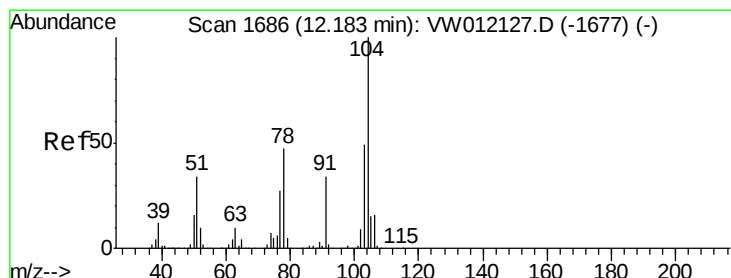
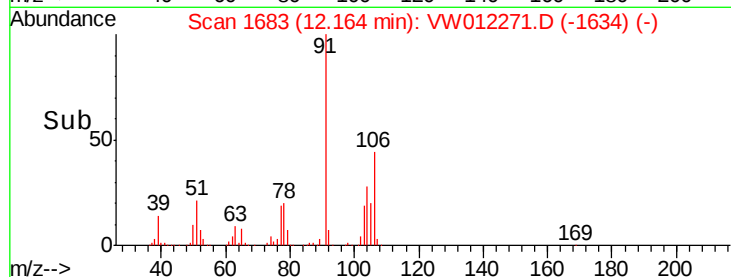
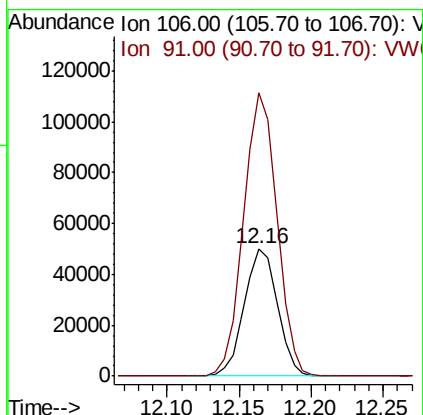
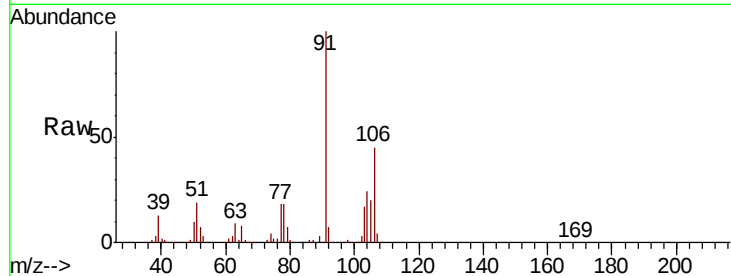




#69
o-Xylene
Concen: 20.638 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

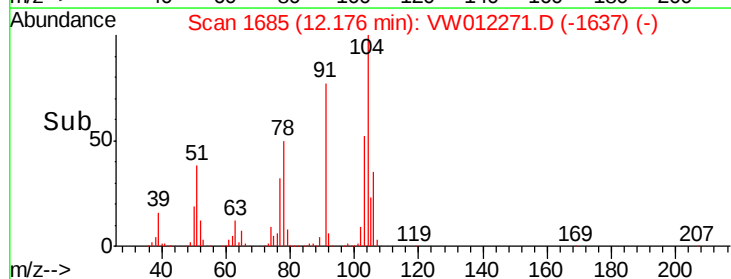
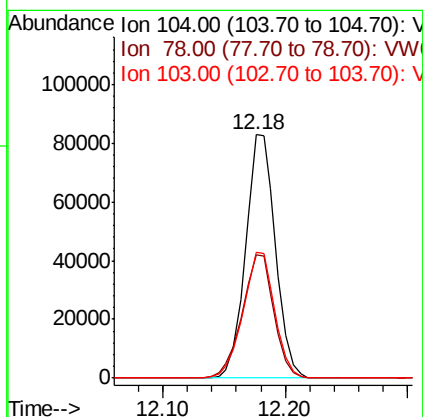
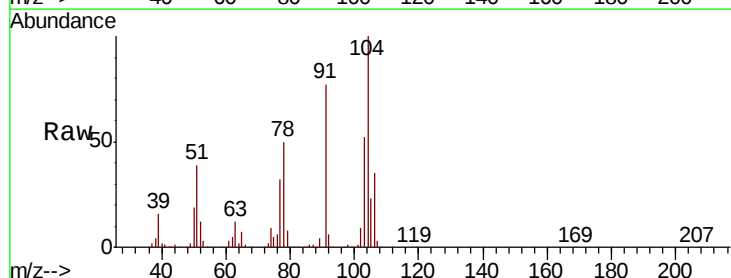
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

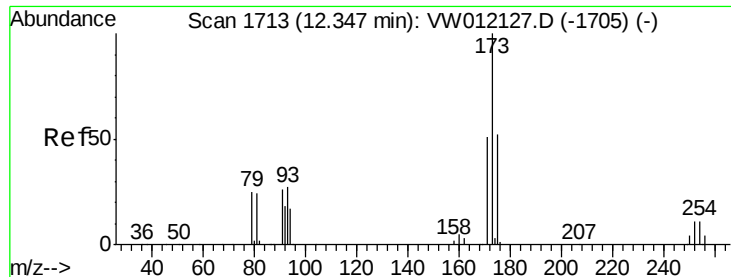
Tgt Ion:106 Resp: 80025
Ion Ratio Lower Upper
106 100
91 223.8 111.6 334.6



#70
Styrene
Concen: 20.920 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion:104 Resp: 140406
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 54.8 43.5 65.3





#71

Bromoform

Concen: 21.907 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD02

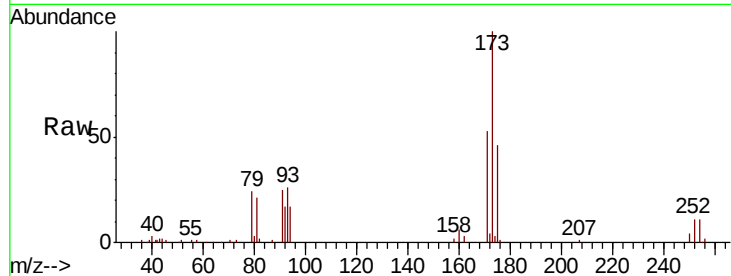
Tgt Ion:173 Resp: 22990

Ion Ratio Lower Upper

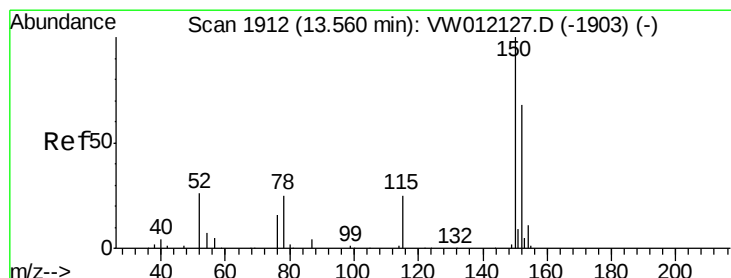
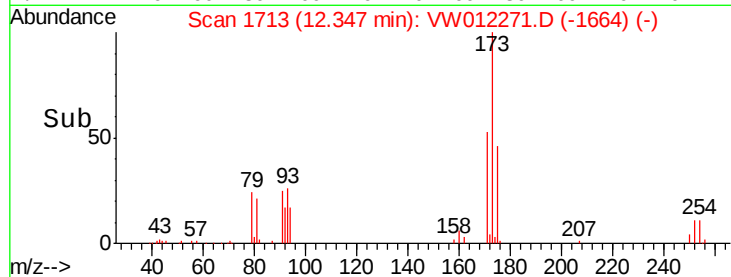
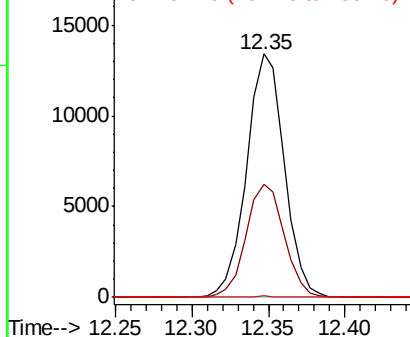
173 100

175 46.9 24.6 74.0

254 0.1 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: VW012271.D

Acq: 29 Aug 2019 00:18

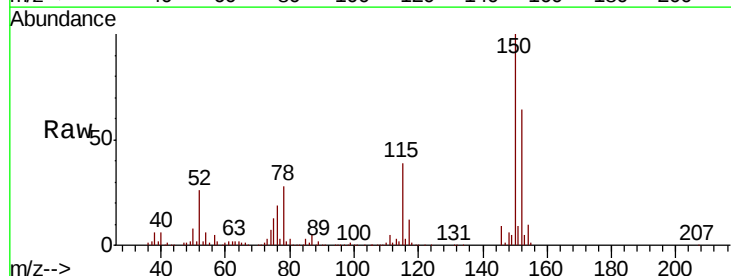
Tgt Ion:152 Resp: 148066

Ion Ratio Lower Upper

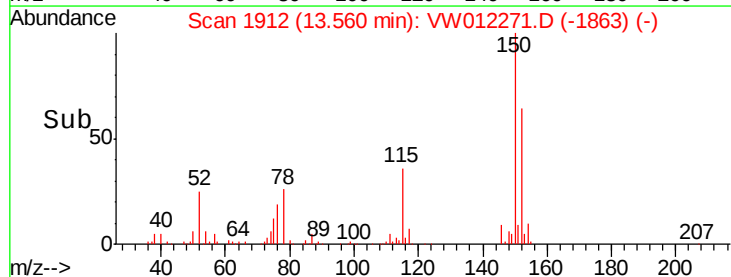
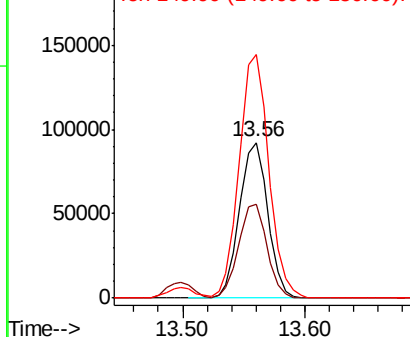
152 100

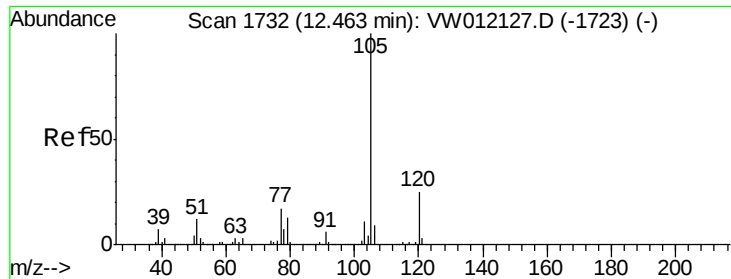
115 60.5 30.1 90.3

150 163.4 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: 20.226 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

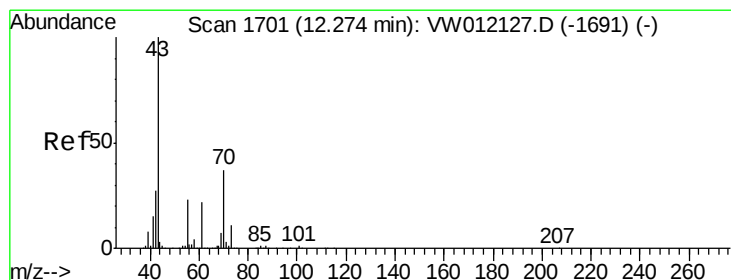
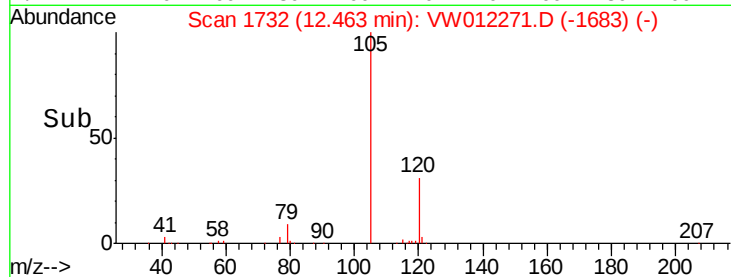
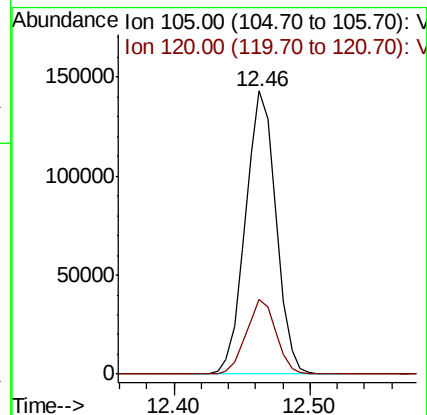
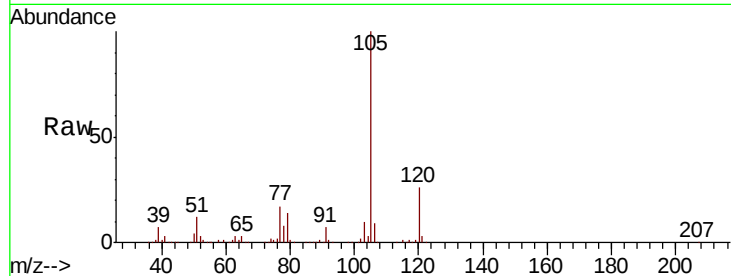
VW0828SBSD02

Tgt Ion:105 Resp: 224403

Ion Ratio Lower Upper

105 100

120 25.7 12.5 37.5



#74

N-ethyl acetate

Concen: 21.003 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Tgt Ion: 43 Resp: 70402

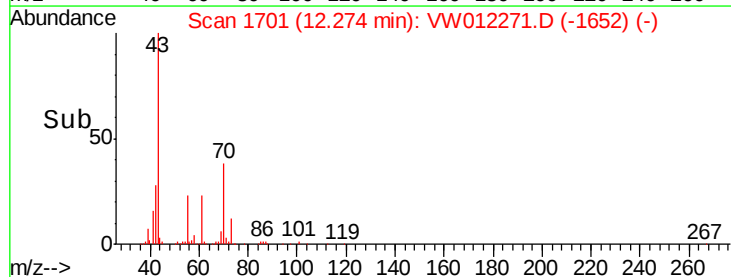
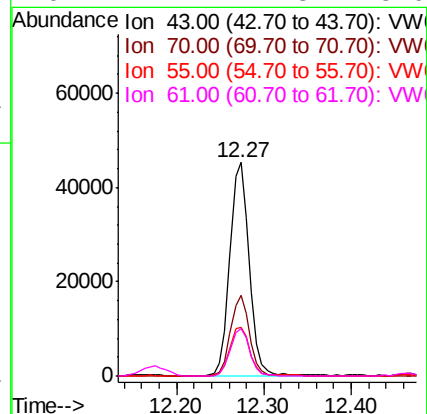
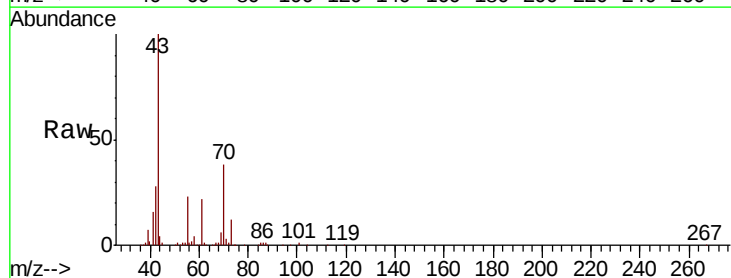
Ion Ratio Lower Upper

43 100

70 36.8 28.6 43.0

55 23.4 17.8 26.6

61 22.2 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.155 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD02

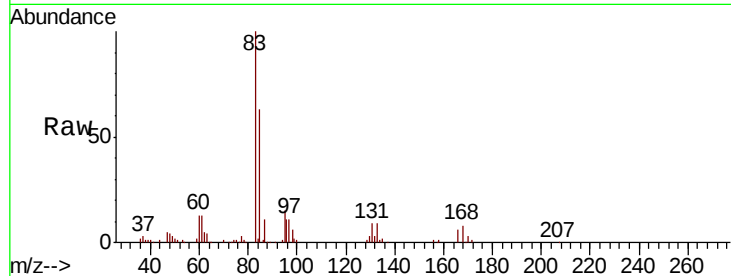
Tgt Ion: 83 Resp: 45063

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

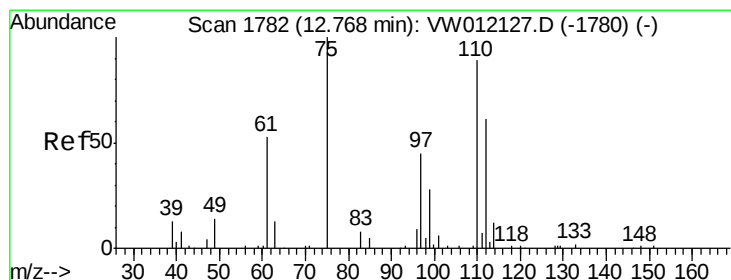
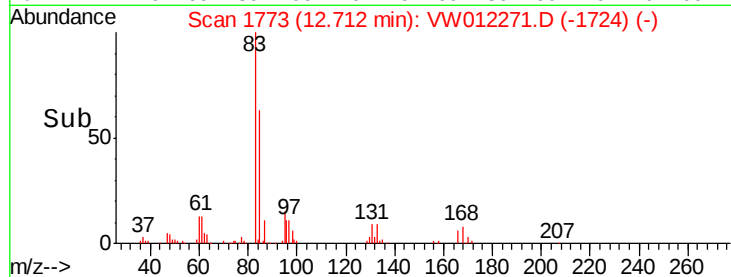
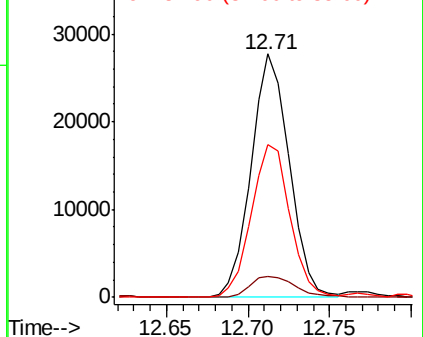
85 63.7 31.9 95.7



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: 40.246 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012271.D

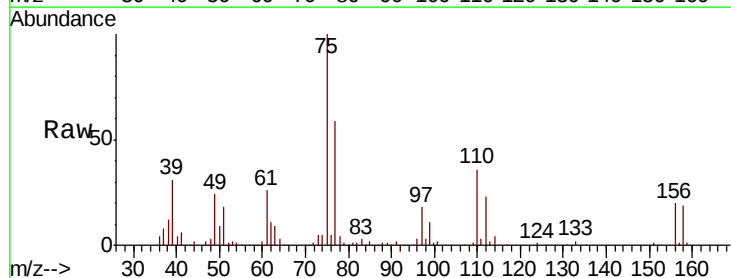
Acq: 29 Aug 2019 00:18

Tgt Ion: 75 Resp: 58037

Ion Ratio Lower Upper

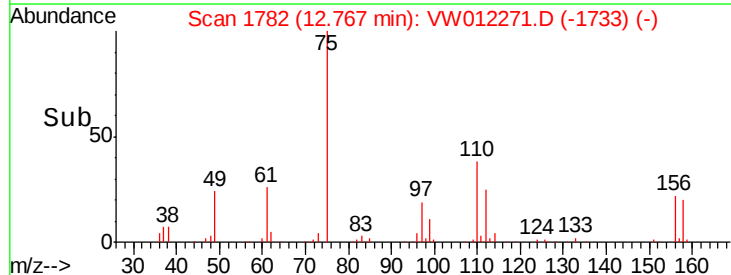
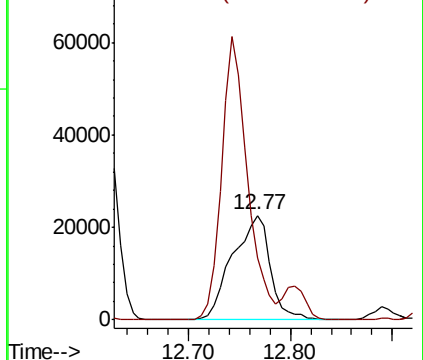
75 100

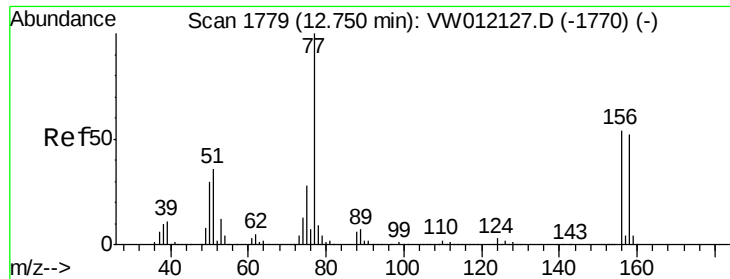
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

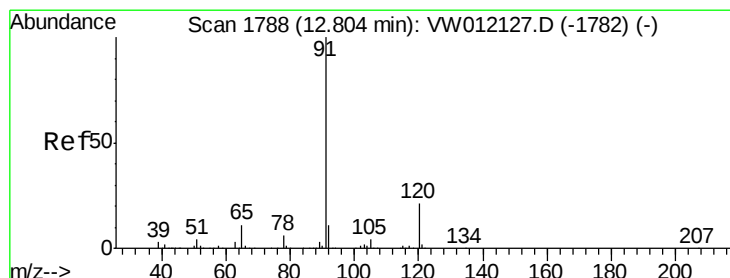
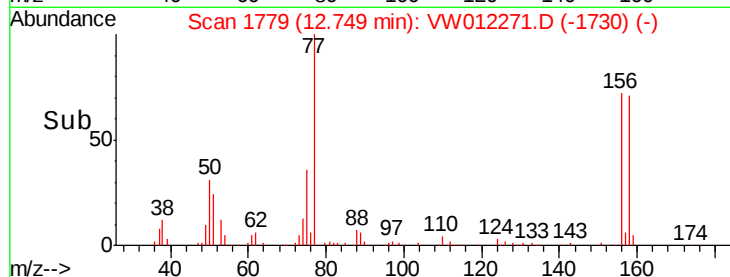
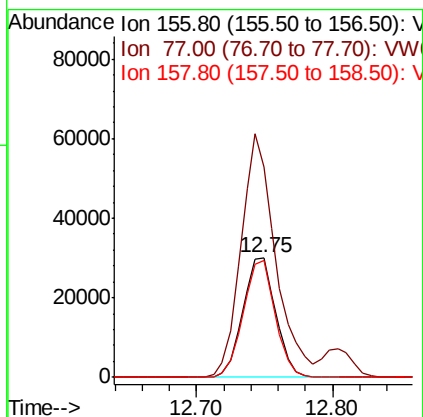
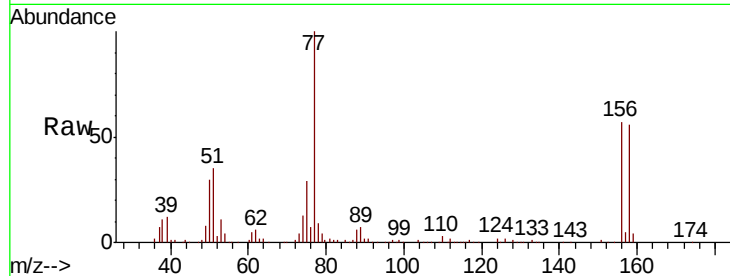




#77
Bromobenzene
Concen: 21.094 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

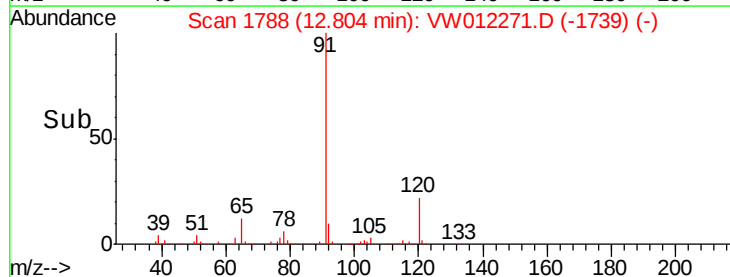
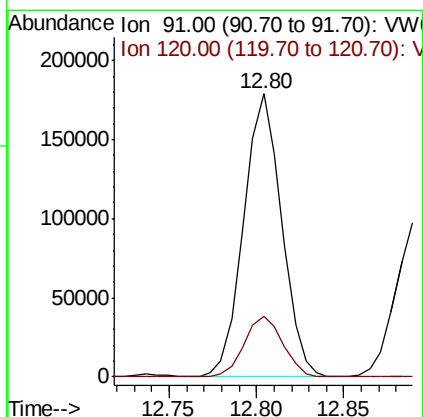
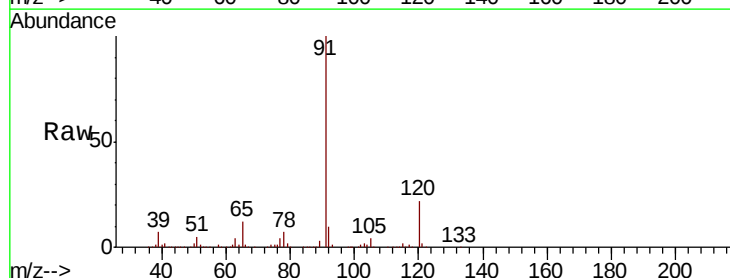
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

Tgt Ion: 156 Resp: 50630
Ion Ratio Lower Upper
156 100
77 213.8 107.3 321.8
158 95.7 49.0 147.0



#78
n-propylbenzene
Concen: 19.918 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion: 91 Resp: 269783
Ion Ratio Lower Upper
91 100
120 21.8 10.5 31.6





#79

2-Chlorotoluene

Concen: 20.214 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

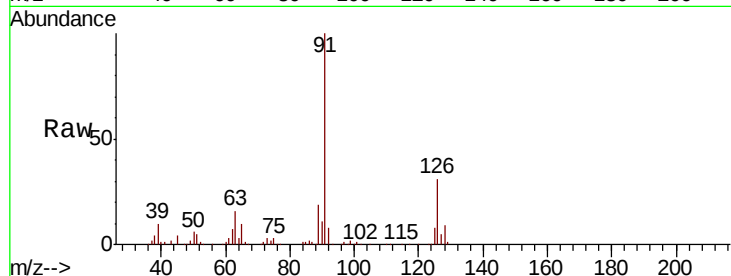
VW0828SBSD02

Tgt Ion: 91 Resp: 155439

Ion Ratio Lower Upper

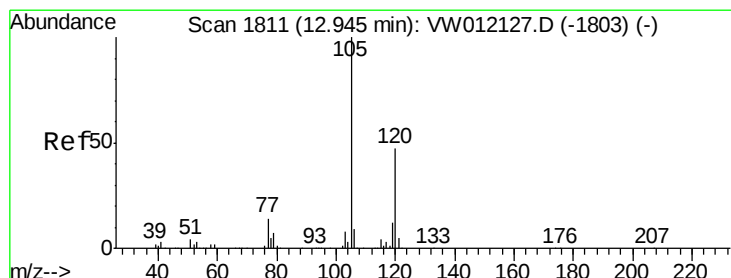
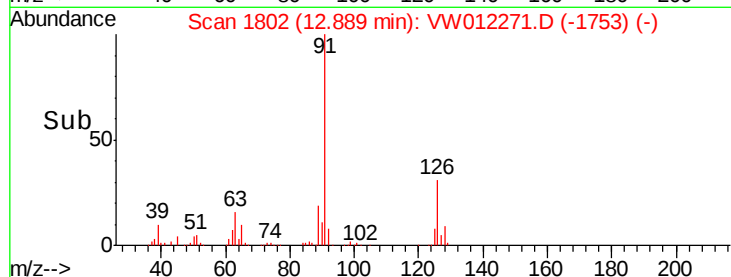
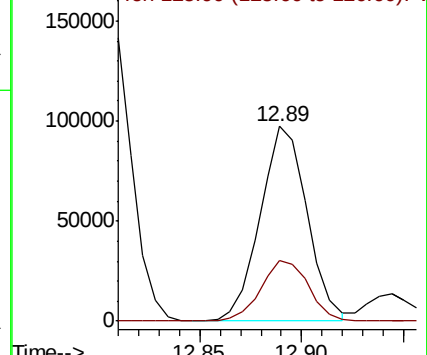
91 100

126 31.9 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: 20.667 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012271.D

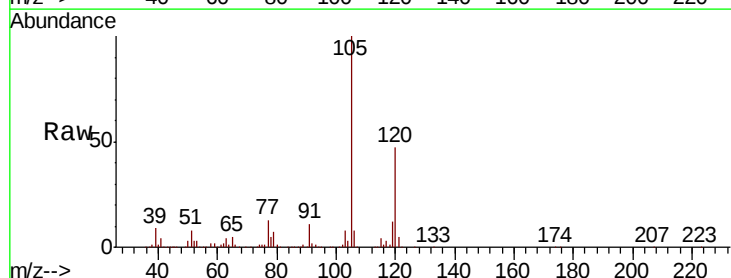
Acq: 29 Aug 2019 00:18

Tgt Ion: 105 Resp: 191598

Ion Ratio Lower Upper

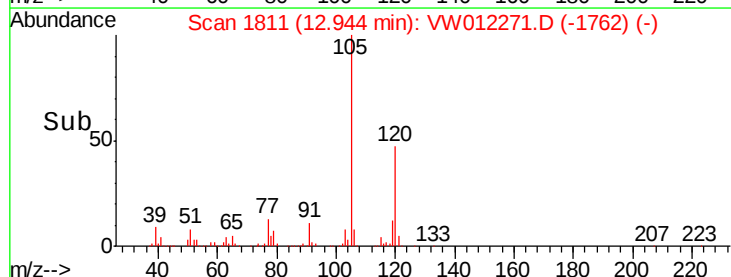
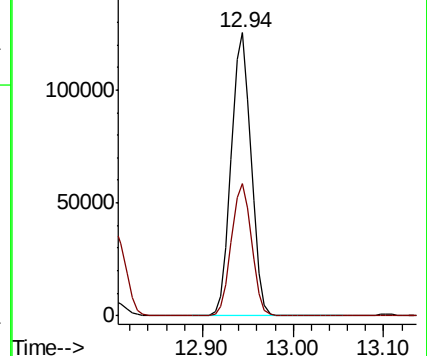
105 100

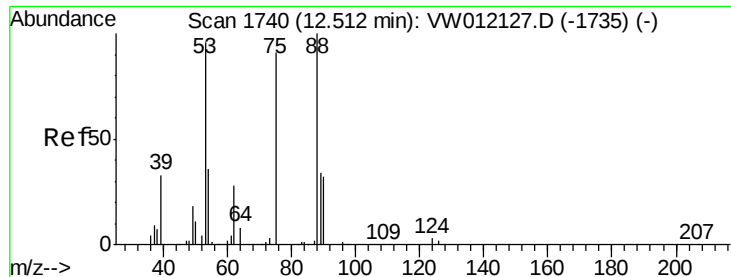
120 47.5 24.0 72.0



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: 20.447 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD02

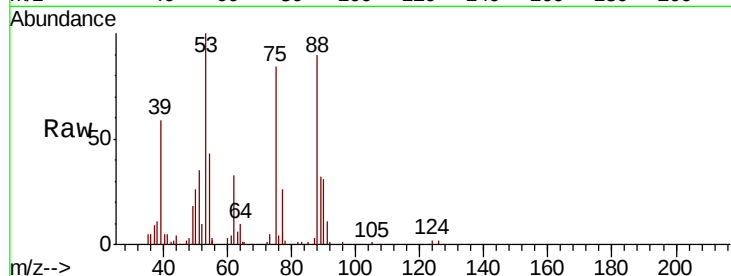
Tgt Ion: 75 Resp: 13448

Ion Ratio Lower Upper

75 100

53 114.4 89.4 134.0

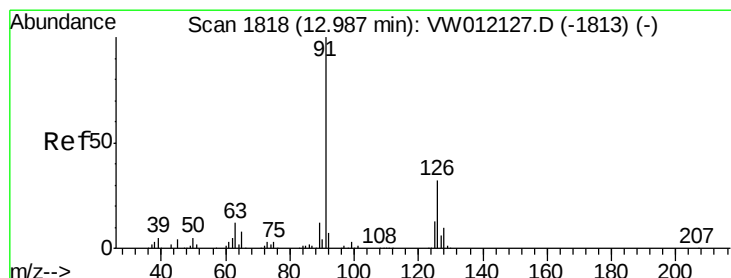
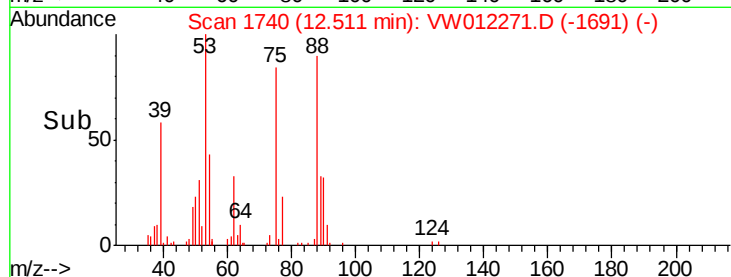
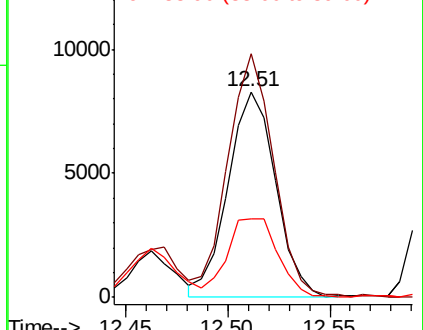
89 40.9 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.432 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012271.D

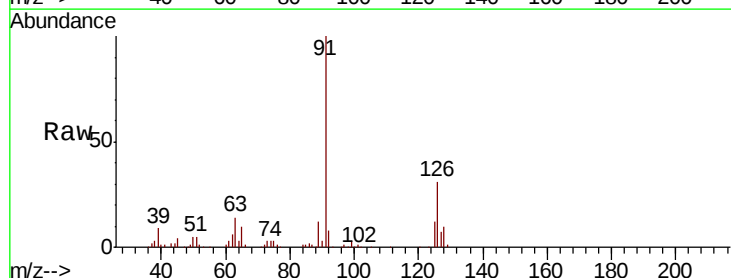
Acq: 29 Aug 2019 00:18

Tgt Ion: 91 Resp: 164516

Ion Ratio Lower Upper

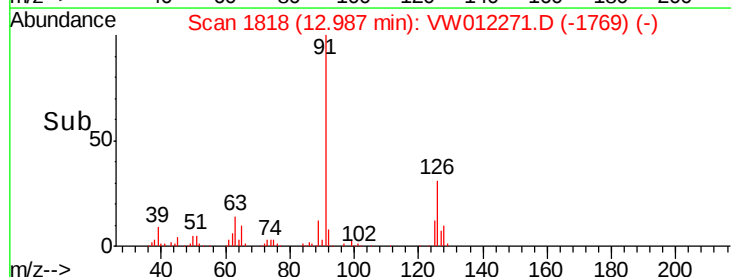
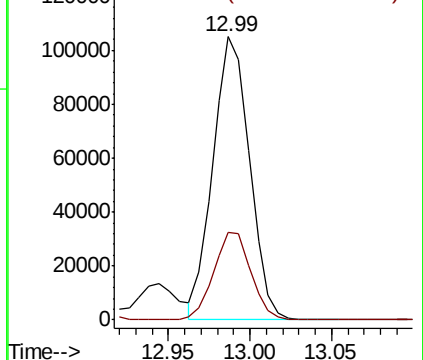
91 100

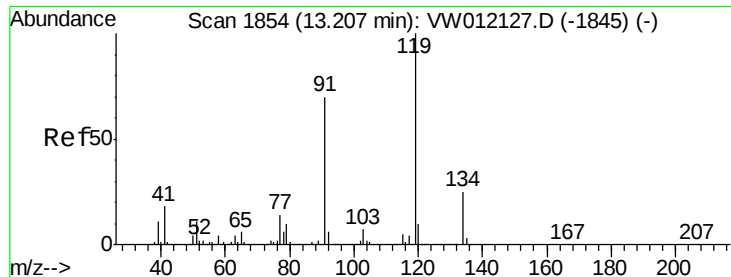
126 31.4 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

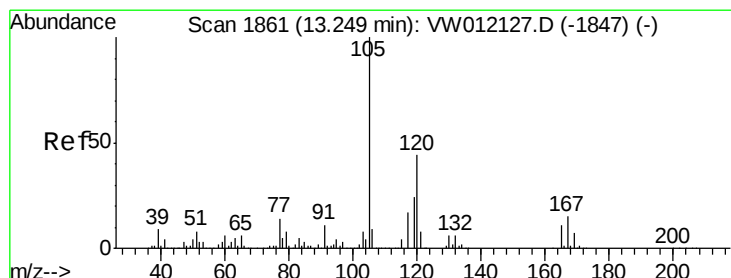
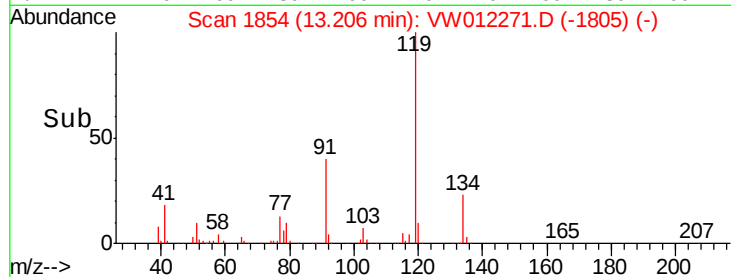
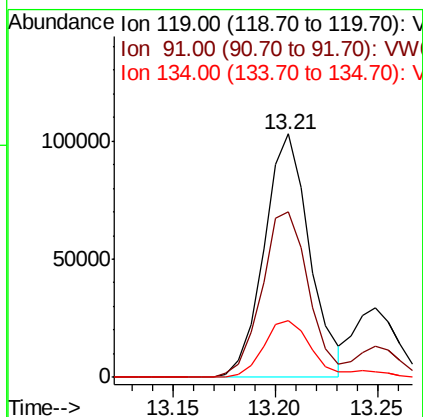
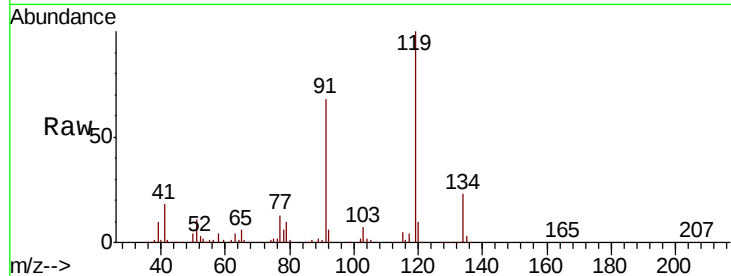




#83
tert-Butylbenzene
Concen: 20.420 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

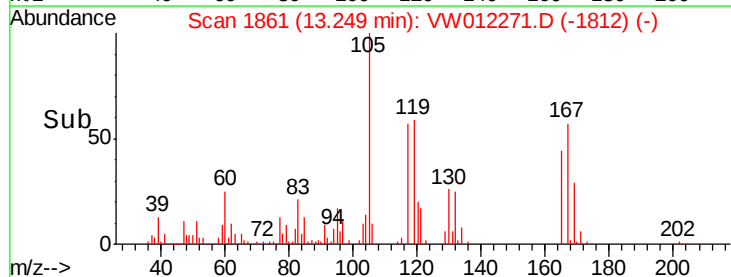
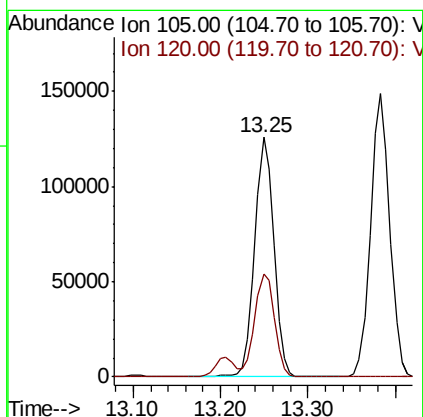
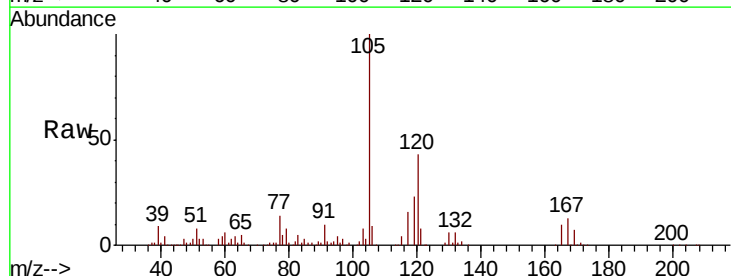
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

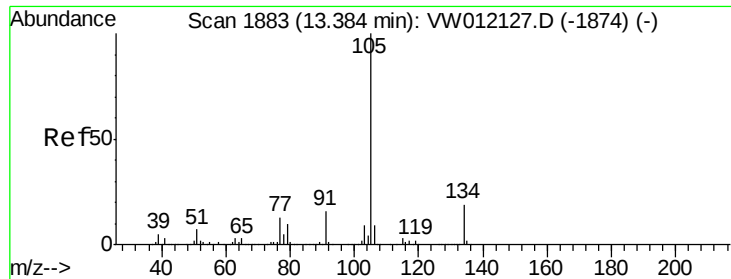
Tgt Ion:119 Resp: 160357
Ion Ratio Lower Upper
119 100
91 69.8 34.8 104.3
134 24.4 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 20.540 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion:105 Resp: 191283
Ion Ratio Lower Upper
105 100
120 44.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.183 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

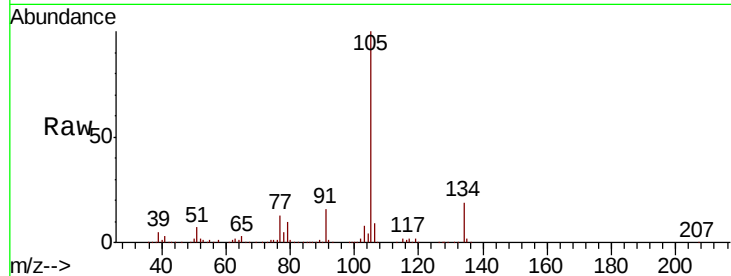
VW0828SBSD02

Tgt Ion:105 Resp: 227083

Ion Ratio Lower Upper

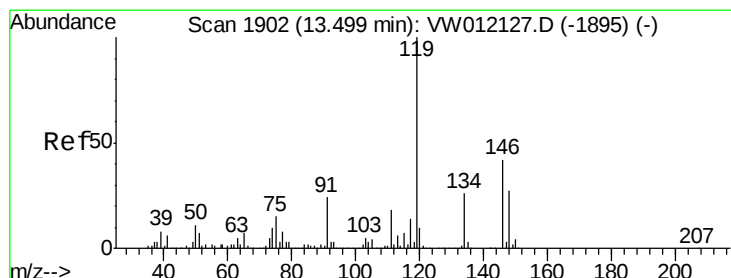
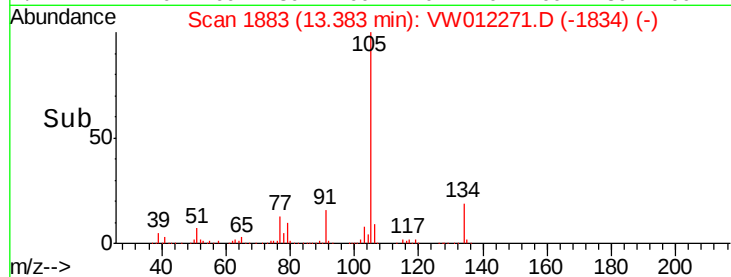
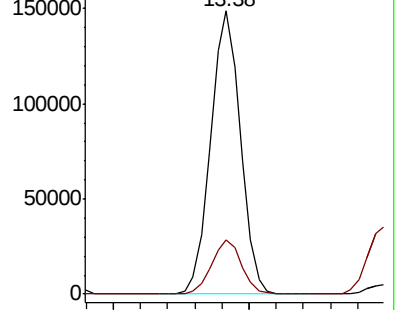
105 100

134 19.1 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: 20.205 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

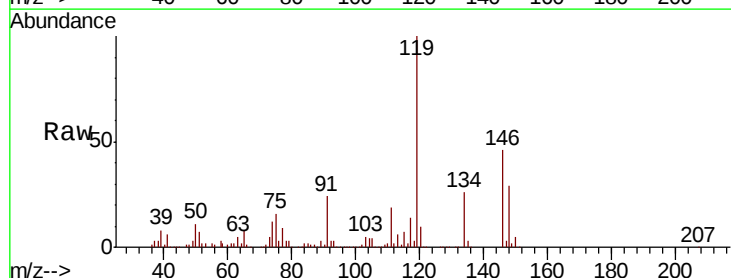
Tgt Ion:119 Resp: 203015

Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.3

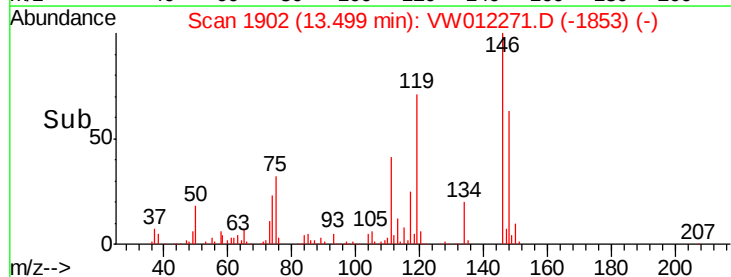
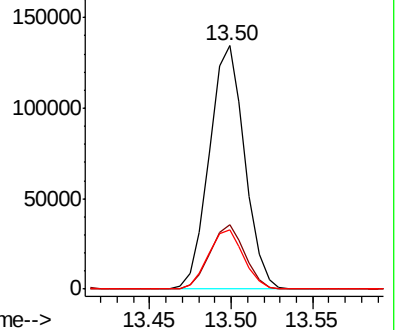
91 24.5 12.3 36.9



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

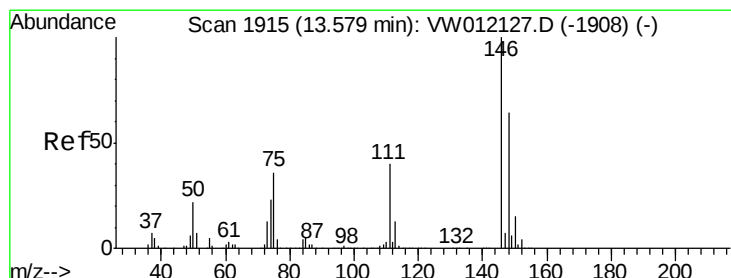
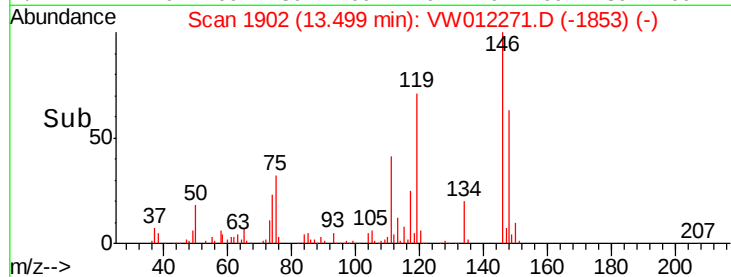
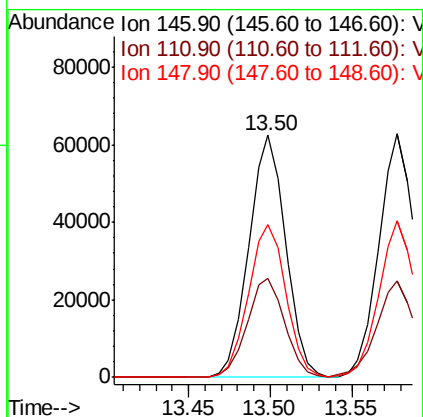
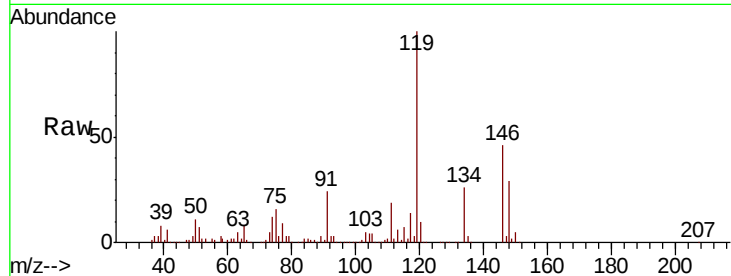




#87
 1,3-Dichlorobenzene
 Concen: 20.895 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

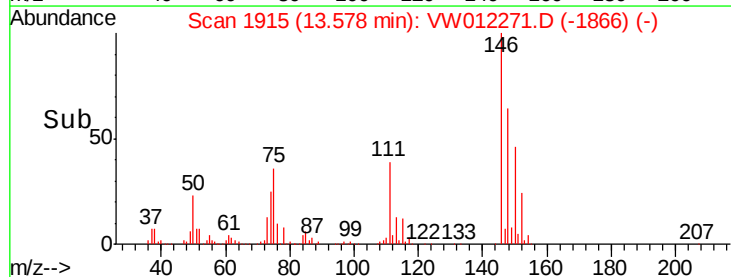
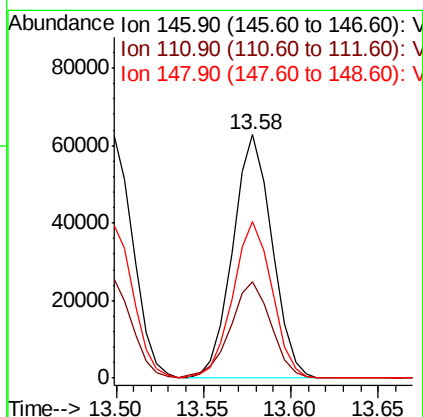
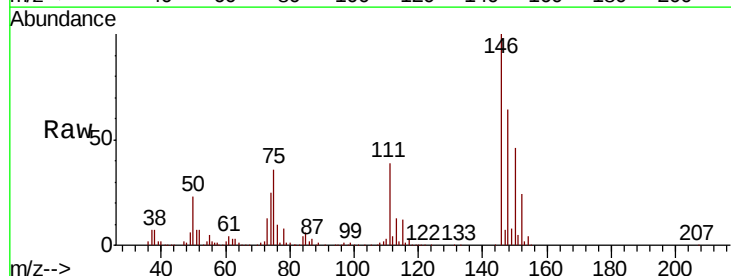
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD02

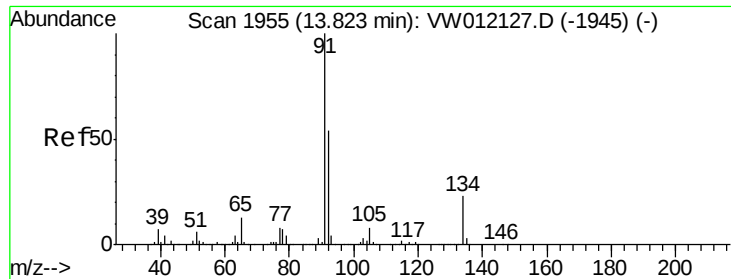
Tgt Ion:146 Resp: 98096
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.9 62.7
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.075 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

Tgt Ion:146 Resp: 98242
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.0 60.0
 148 64.2 32.1 96.3





#89

n-Butylbenzene

Concen: 19.775 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD02

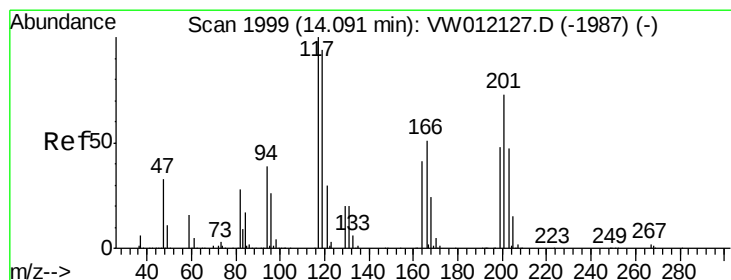
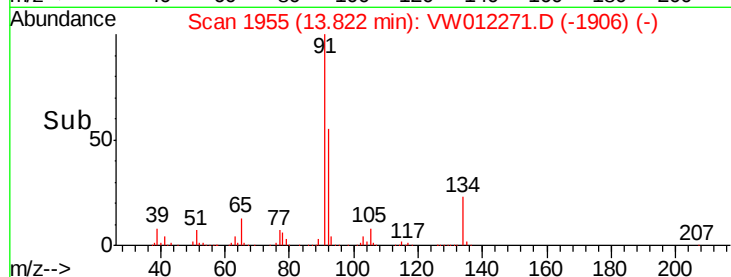
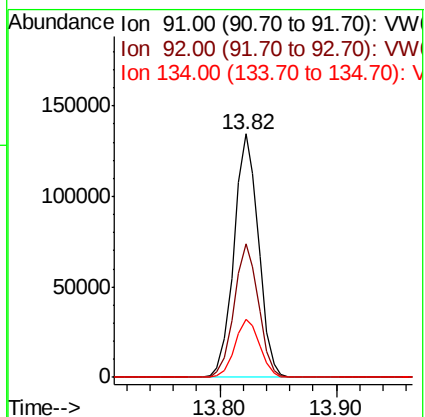
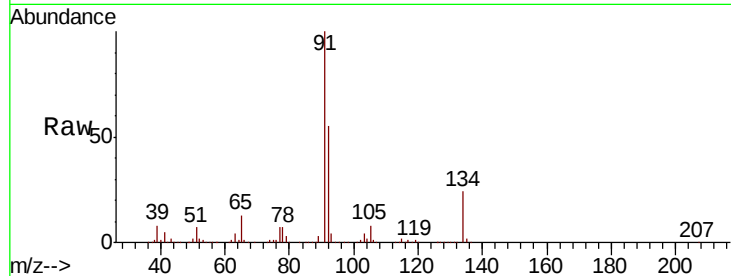
Tgt Ion: 91 Resp: 197589

Ion Ratio Lower Upper

91 100

92 54.4 27.1 81.2

134 24.2 12.2 36.4



#90

Hexachloroethane

Concen: 19.957 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012271.D

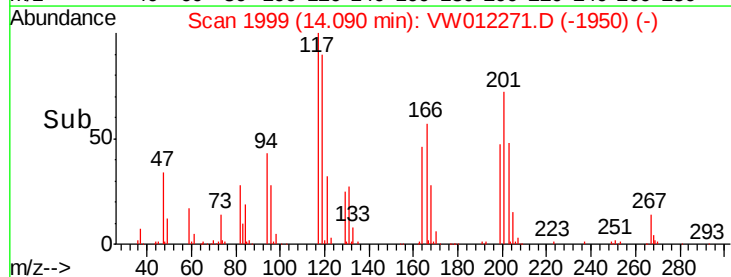
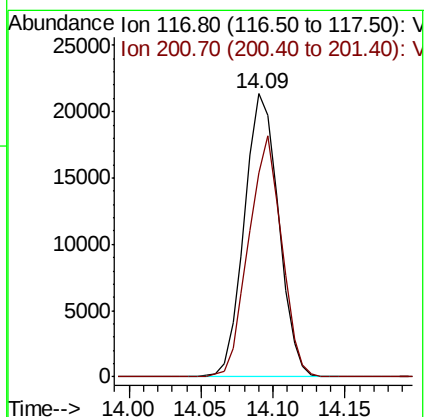
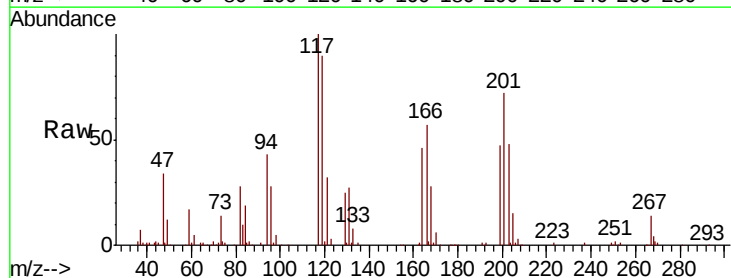
Acq: 29 Aug 2019 00:18

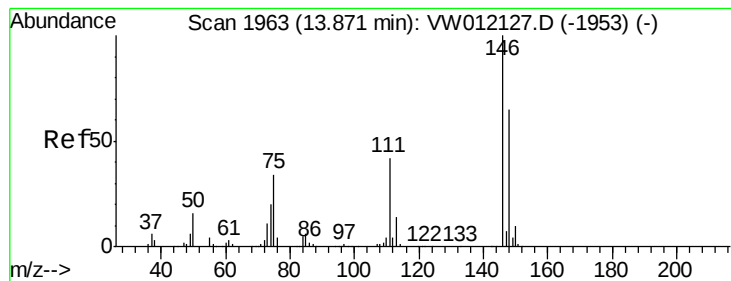
Tgt Ion: 117 Resp: 35182

Ion Ratio Lower Upper

117 100

201 81.9 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 21.479 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

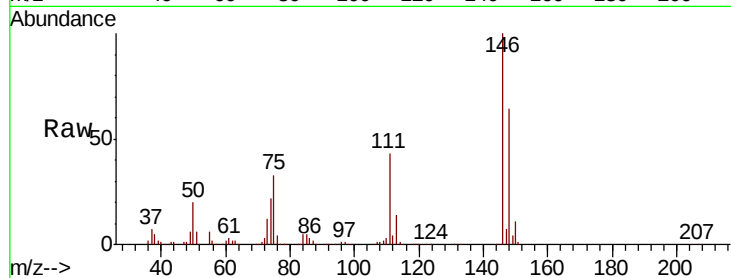
Tgt Ion:146 Resp: 88464

Ion Ratio Lower Upper

146 100

111 43.9 21.2 63.6

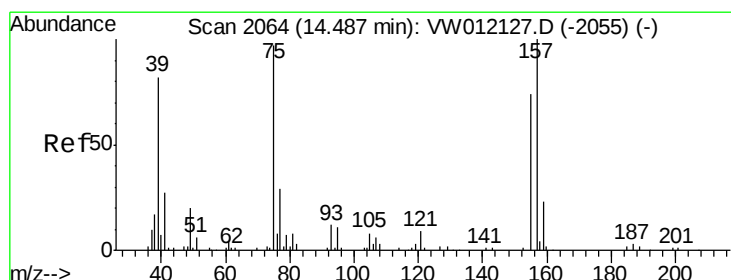
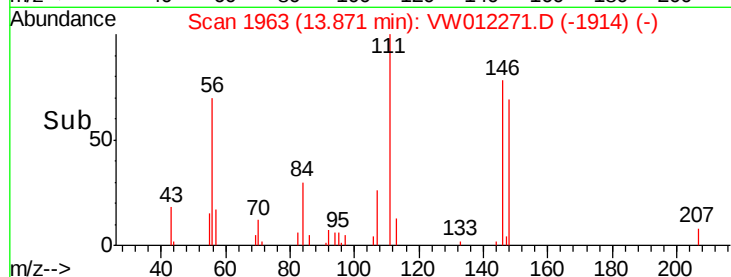
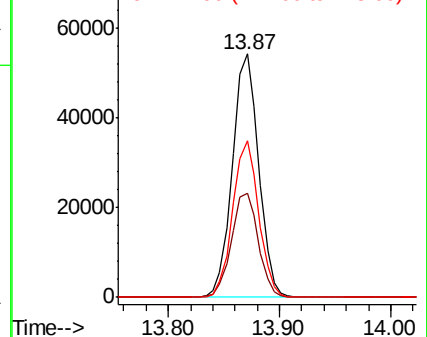
148 63.7 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.234 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012271.D

Acq: 29 Aug 2019 00:18

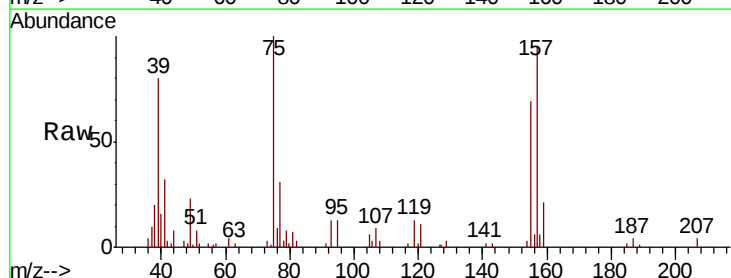
Tgt Ion: 75 Resp: 7624

Ion Ratio Lower Upper

75 100

155 74.2 37.5 112.3

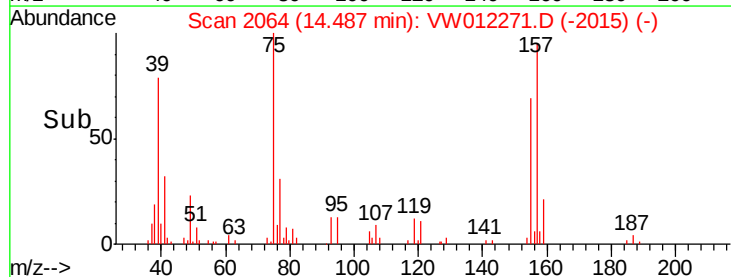
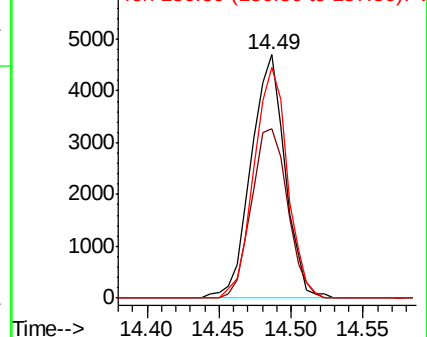
157 93.5 50.5 151.5

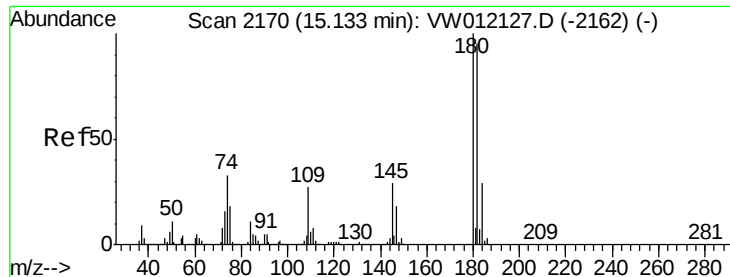


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

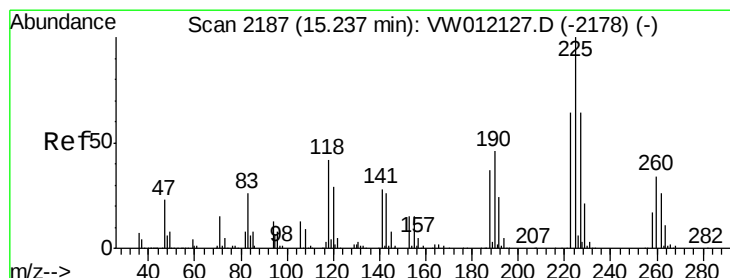
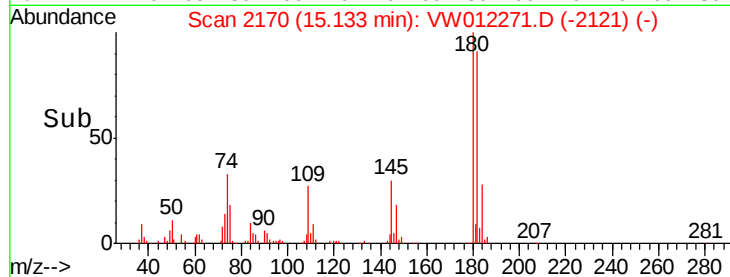
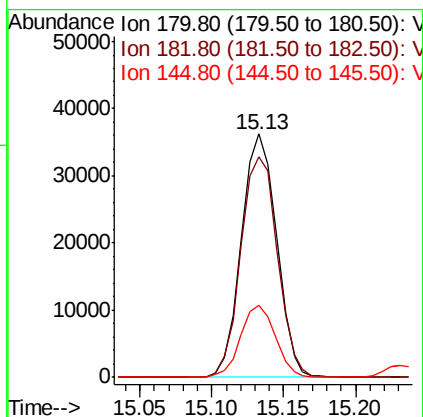
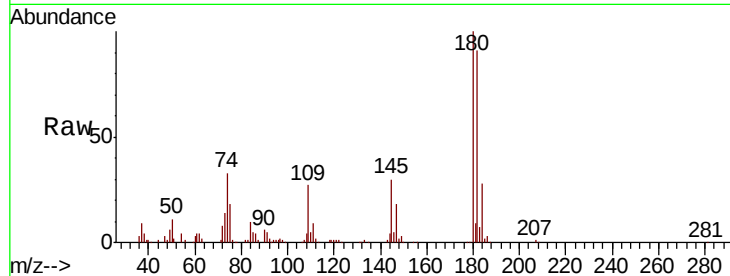




#93
 1,2,4-Trichlorobenzene
 Concen: 21.567 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

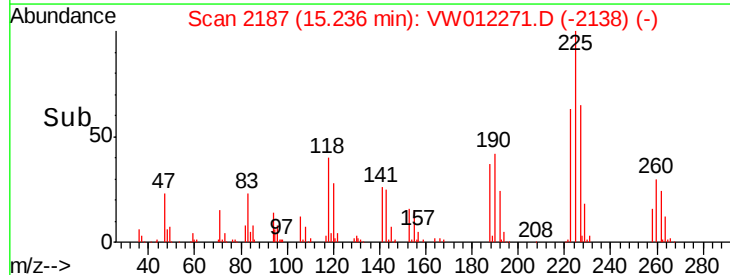
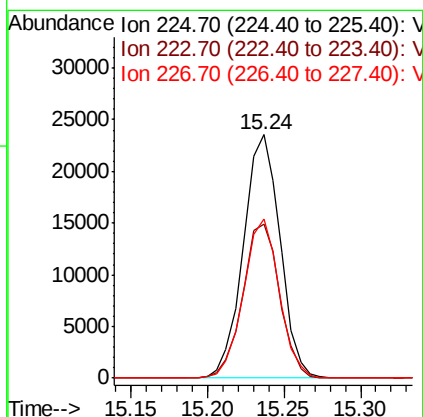
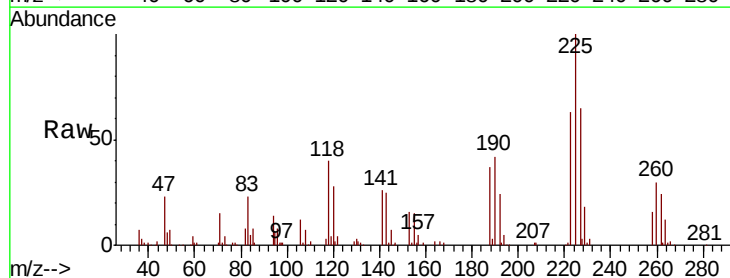
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

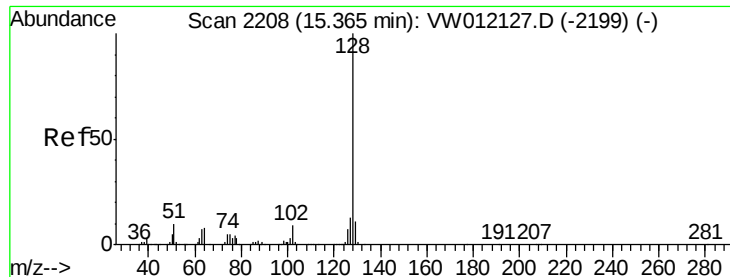
Tgt Ion:180 Resp: 61384
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.4
 145 29.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 20.915 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012271.D
 Acq: 29 Aug 2019 00:18

Tgt Ion:225 Resp: 39306
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.3 96.8
 227 63.6 32.9 98.6

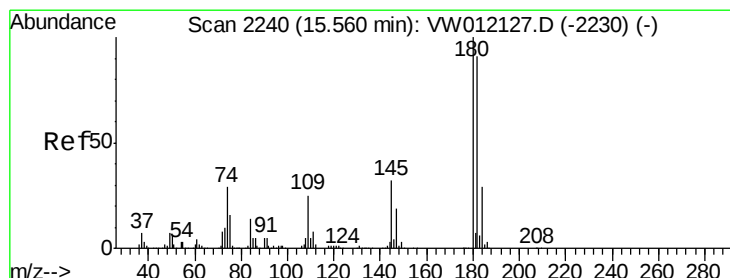
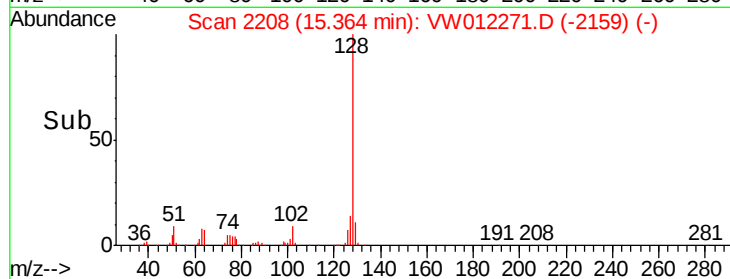
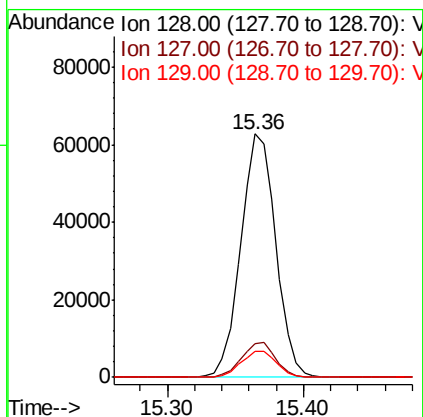
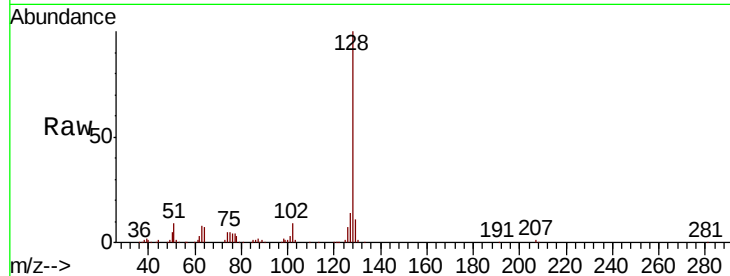




#95
Naphthalene
Concen: 22.786 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD02

Tgt Ion:128 Resp: 112879
Ion Ratio Lower Upper
128 100
127 14.0 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.159 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012271.D
Acq: 29 Aug 2019 00:18

Tgt Ion:180 Resp: 55026
Ion Ratio Lower Upper
180 100
182 94.6 47.1 141.3
145 31.6 16.2 48.5

