

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012628.D
 Acq On : 05 Sep 2019 09:08
 Operator : SY/VA
 Sample : VW0904SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Quant Time: Sep 05 11:27:37 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	191833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	291598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	252784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	134672	59.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.12%	
35) Dibromofluoromethane	7.88	113	100674	57.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.68%	
50) Toluene-d8	10.32	98	393950	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
62) 4-Bromofluorobenzene	12.61	95	142746	57.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23105	19.561	ug/l	97
3) Chloromethane	2.21	50	29772	16.269	ug/l	100
4) Vinyl Chloride	2.35	62	36852	16.453	ug/l	97
5) Bromomethane	2.77	94	18422	16.240	ug/l	98
6) Chloroethane	2.90	64	20871	16.518	ug/l	95
7) Trichlorofluoromethane	3.24	101	20979	18.653	ug/l	98
8) Diethyl Ether	3.68	74	19263	18.044	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36047	18.856	ug/l	96
10) Methyl Iodide	4.26	142	46524	17.986	ug/l	98
11) Tert butyl alcohol	5.21	59	15274	111.298	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	33564	17.443	ug/l	97
13) Acrolein	3.90	56	9177	71.039	ug/l	91
14) Allyl chloride	4.66	41	68653	16.689	ug/l	94
15) Acrylonitrile	5.37	53	60037	113.461	ug/l	97
16) Acetone	4.13	43	61158	104.916	ug/l	97
17) Carbon Disulfide	4.38	76	77901	13.396	ug/l	99
18) Methyl Acetate	4.67	43	33273	23.045	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	71575	23.002	ug/l	100
20) Methylene Chloride	4.91	84	39712	18.021	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	38414	18.617	ug/l	97
22) Diisopropyl ether	6.31	45	156038	20.464	ug/l	94
23) Vinyl Acetate	6.25	43	500238	106.603	ug/l	99
24) 1,1-Dichloroethane	6.21	63	85302	20.546	ug/l	100
25) 2-Butanone	7.17	43	97325	122.865	ug/l	98
26) 2,2-Dichloropropane	7.16	77	53337	22.698	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	45135	20.474	ug/l	97
28) Bromochloromethane	7.51	49	40807	22.552	ug/l #	24
29) Tetrahydrofuran	7.53	42	56849	119.621	ug/l	98
30) Chloroform	7.67	83	83308	21.933	ug/l	98
31) Cyclohexane	7.95	56	75758	18.444	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	67928	22.607	ug/l	99
36) 1,1-Dichloropropene	8.08	75	65423	21.711	ug/l	99
37) Ethyl Acetate	7.25	43	39543	23.947	ug/l	98
38) Carbon Tetrachloride	8.07	117	60455	23.180	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	67986	20.083	ug/l	95
40) Benzene	8.32	78	175714	21.355	ug/l	98
41) Methacrylonitrile	7.48	41	23553	24.269	ug/l	97
42) 1,2-Dichloroethane	8.40	62	62852	24.373	ug/l	99
43) Isopropyl Acetate	8.43	43	75182	24.580	ug/l	100
44) Trichloroethene	9.09	130	42813	21.404	ug/l	93
45) 1,2-Dichloropropane	9.37	63	47702	21.541	ug/l	96
46) Dibromomethane	9.46	93	23412	23.762	ug/l	98
47) Bromodichloromethane	9.64	83	59046	22.518	ug/l	99
48) Methyl methacrylate	9.44	41	34542	23.728	ug/l	96
49) 1,4-Dioxane	9.47	88	7271	482.057	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	201370	129.438	ug/l	100
52) Toluene	10.38	92	108870	22.025	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	59340	22.216	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	69451	21.534	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	33289	23.880	ug/l	98
56) Ethyl methacrylate	10.65	69	48370	23.841	ug/l	99
57) 1,3-Dichloropropane	10.93	76	62919	23.884	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	124870	119.922	ug/l	99
59) 2-Hexanone	10.97	43	143846	130.677	ug/l	99
60) Dibromochloromethane	11.13	129	36330	23.398	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31005	23.874	ug/l	98
64) Tetrachloroethene	10.86	164	37719	23.015	ug/l	97
65) Chlorobenzene	11.66	112	111621	22.425	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	40936	23.574	ug/l	98
67) Ethyl Benzene	11.73	91	214754	22.397	ug/l	96
68) m/p-Xylenes	11.84	106	154082	44.612	ug/l	100
69) o-Xylene	12.16	106	70615	22.090	ug/l	98
70) Styrene	12.18	104	124886	22.571	ug/l	100
71) Bromoform	12.35	173	21551	24.910	ug/l #	98
73) Isopropylbenzene	12.46	105	206424	21.541	ug/l	99
74) N-amyl acetate	12.27	43	65109	22.488	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41823	23.806	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30425m	24.427	ug/l	
77) Bromobenzene	12.75	156	46154	22.263	ug/l	96
78) n-propylbenzene	12.80	91	252036	21.544	ug/l	98
79) 2-Chlorotoluene	12.89	91	142852	21.508	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	178440	22.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11833	20.830	ug/l	84
82) 4-Chlorotoluene	12.99	91	149721	21.529	ug/l	99
83) tert-Butylbenzene	13.21	119	150094	22.128	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	174201	21.657	ug/l	98
85) sec-Butylbenzene	13.38	105	215564	22.182	ug/l	100
86) p-Isopropyltoluene	13.50	119	192118	22.137	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	90917	22.421	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	87811	21.809	ug/l	99
89) n-Butylbenzene	13.82	91	190039	22.020	ug/l	98
90) Hexachloroethane	14.09	117	32538	21.370	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	80149	22.531	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7557	25.516	ug/l	97

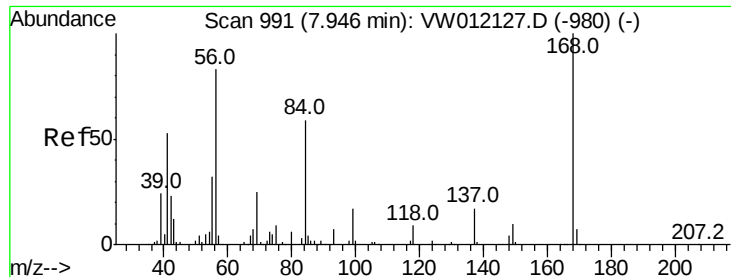
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090419\
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	54307	22.091	ug/l	97
94) Hexachlorobutadiene	15.24	225	38707	23.846	ug/l	99
95) Naphthalene	15.37	128	98721	23.018	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	48387	22.560	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: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

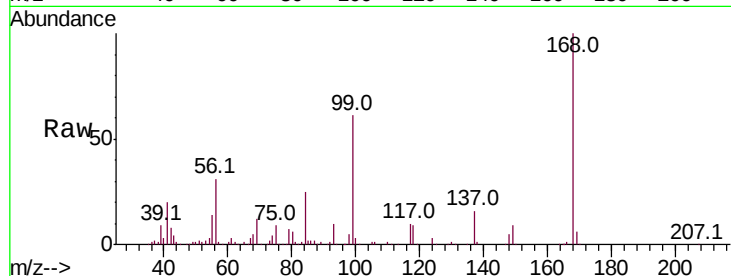
VW0904SBSD02

Tot Ion:168 Resp: 191833

Ion Ratio Lower Upper

168 100

99 60.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

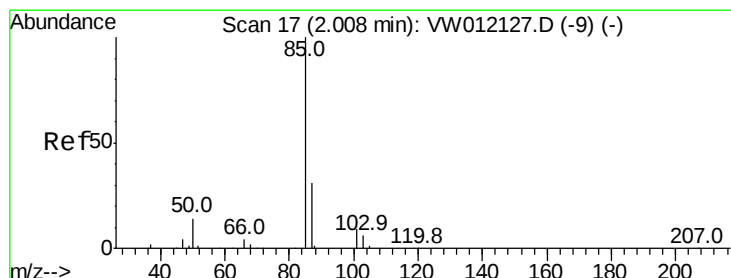
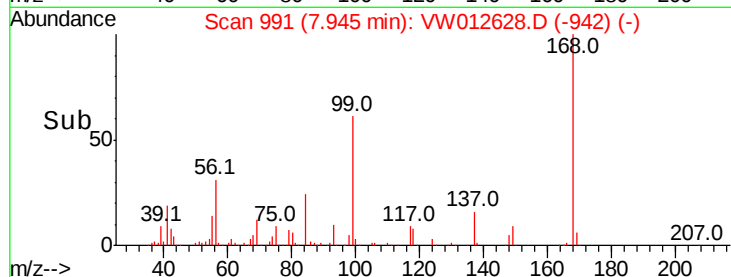
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.561 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012628.D

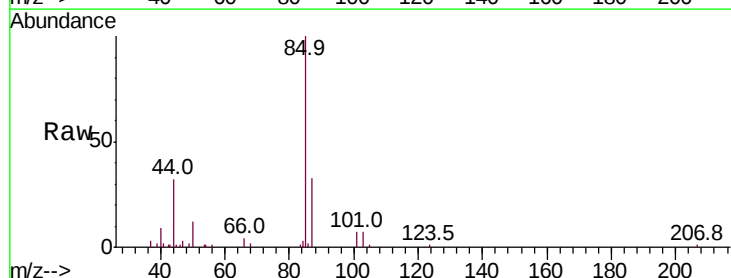
Acq: 05 Sep 2019 09:08

Tgt Ion: 85 Resp: 23105

Ion Ratio Lower Upper

85 100

87 32.9 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

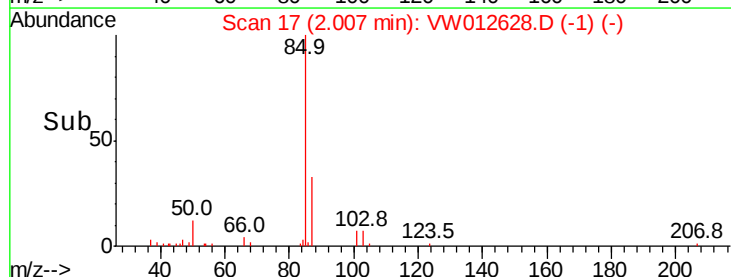
4000

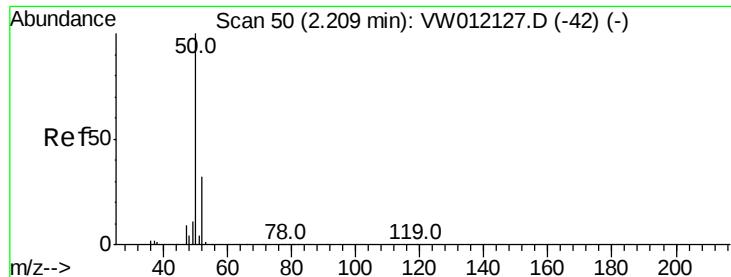
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 16.269 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

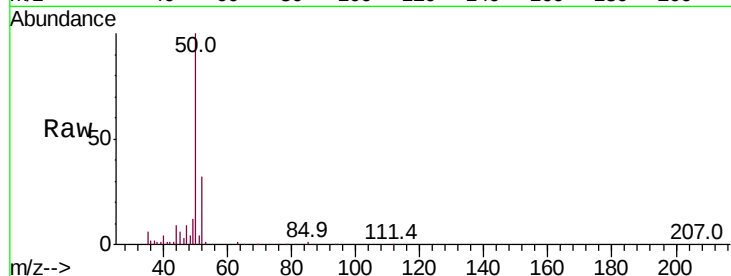
VW0904SBSD02

Tot Ion: 50 Resp: 29772

Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

15000

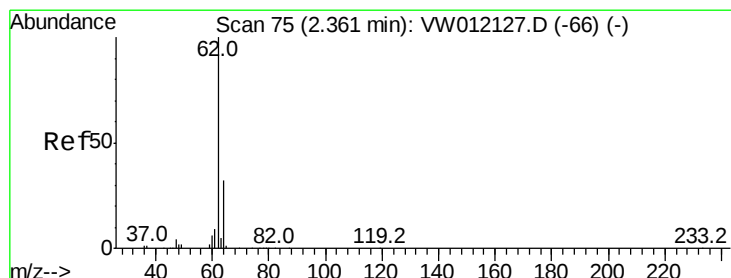
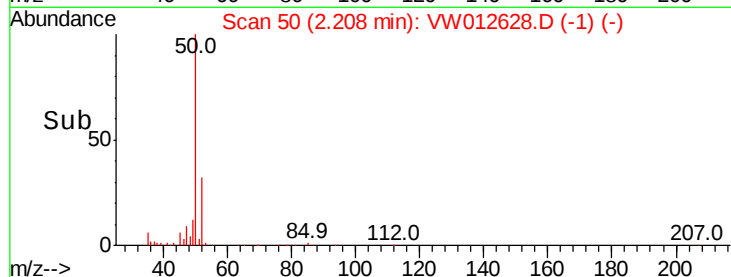
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 16.453 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012628.D

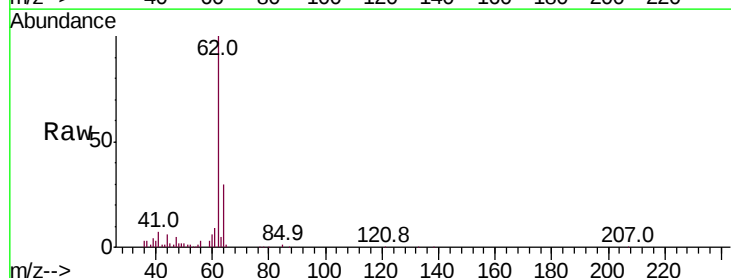
Acq: 05 Sep 2019 09:08

Tgt Ion: 62 Resp: 36852

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

20000

15000

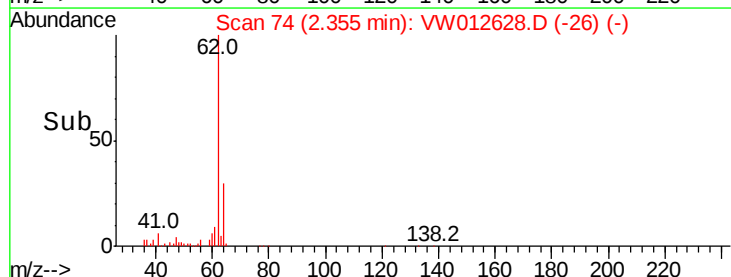
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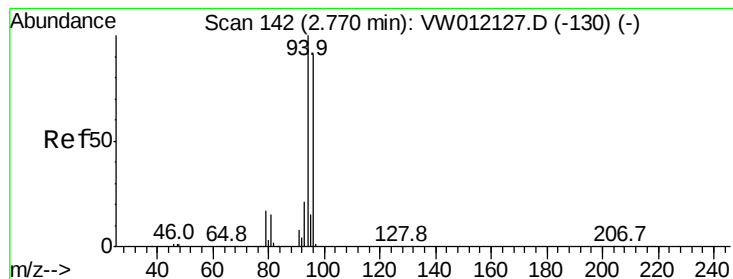
5000

0

Time-->

2.30 2.40 2.50





#5

Bromomethane

Concen: 16.240 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

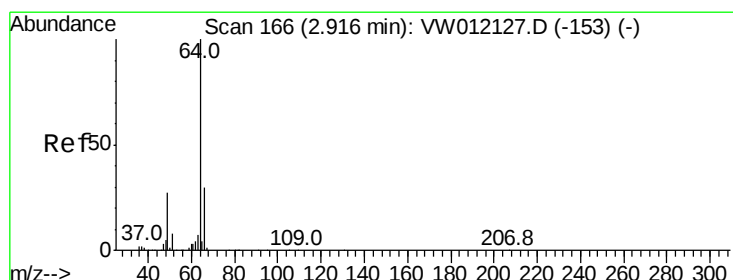
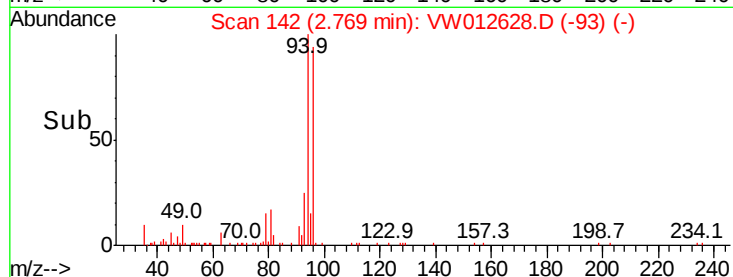
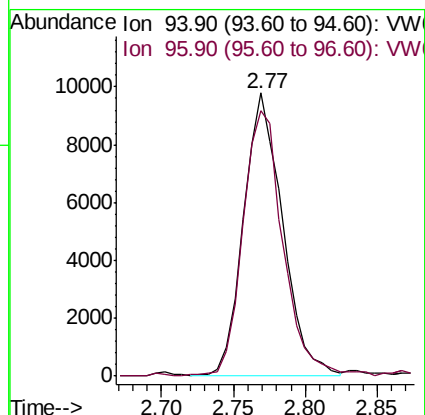
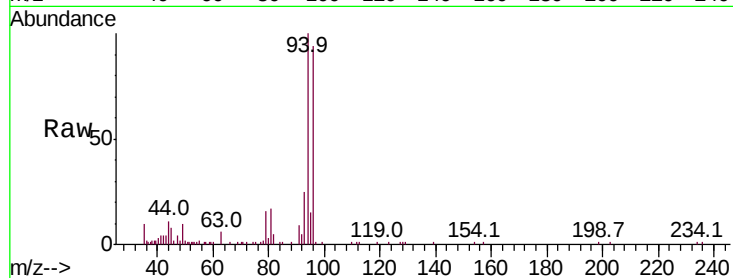
VW0904SBSD02

Tot Ion: 94 Resp: 18422

Ion Ratio Lower Upper

94 100

96 93.1 72.9 109.3



#6

Chloroethane

Concen: 16.518 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012628.D

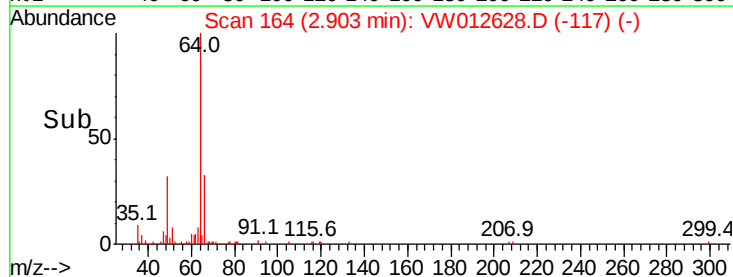
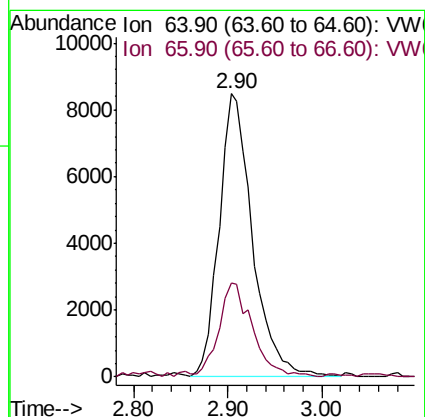
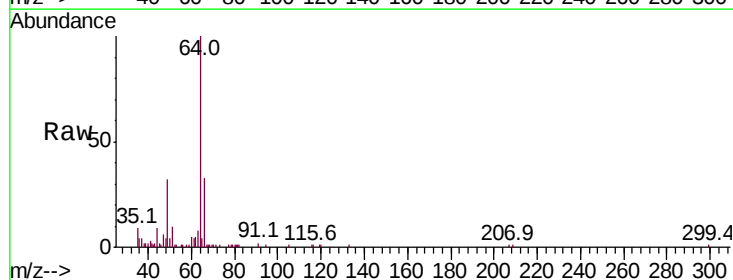
Acq: 05 Sep 2019 09:08

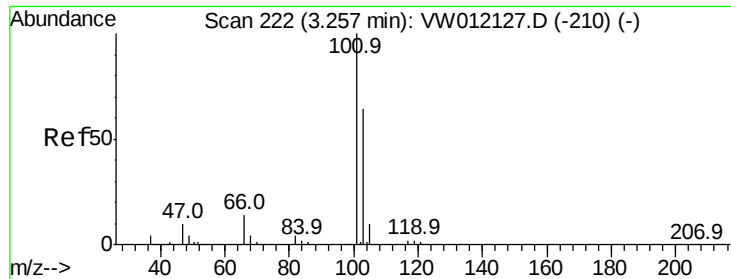
Tgt Ion: 64 Resp: 20871

Ion Ratio Lower Upper

64 100

66 32.3 23.8 35.8



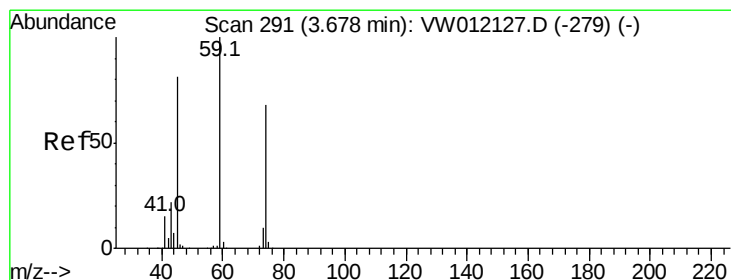
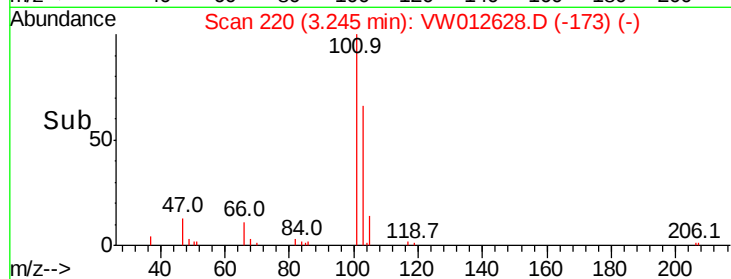
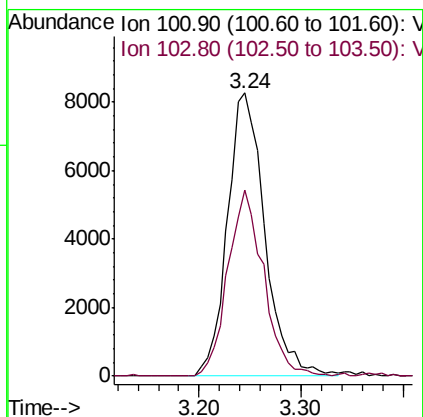
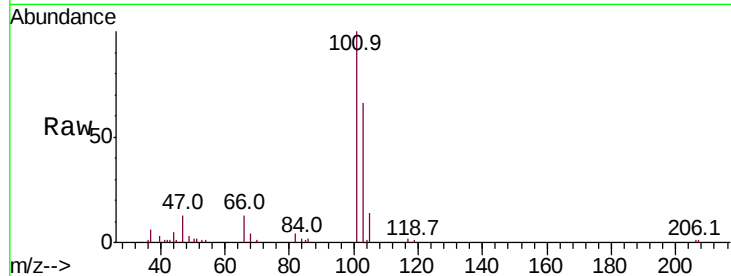


#7

Trichlorofluoromethane
 Concen: 18.653 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Instrument :
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 ClientSampleId :
 VW0904SBSD02

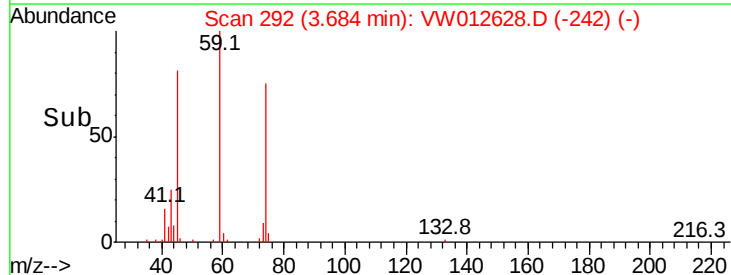
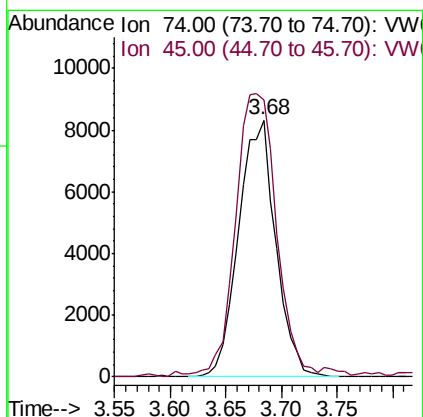
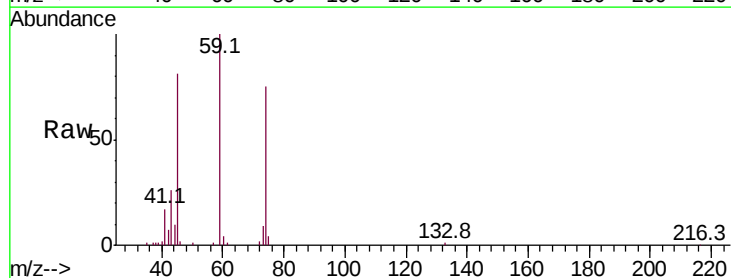
Tot Ion:101 Resp: 20979
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.2 76.8

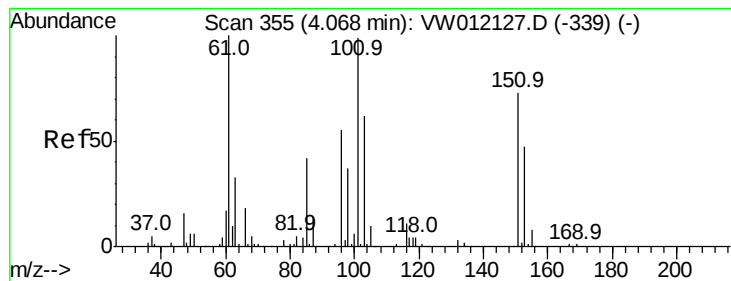


#8

Diethyl Ether
 Concen: 18.044 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Tgt Ion: 74 Resp: 19263
 Ion Ratio Lower Upper
 74 100
 45 118.5 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.856 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

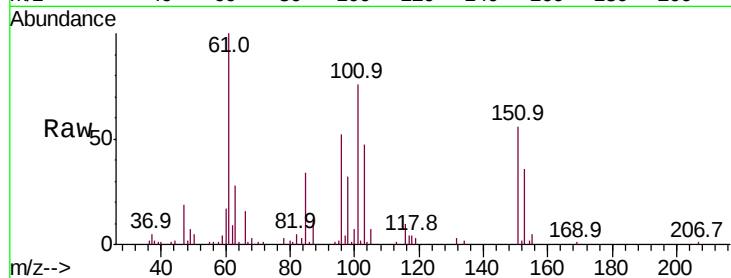
Tot Ion:101 Resp: 36047

Ion Ratio Lower Upper

101 100

85 47.7 35.8 53.6

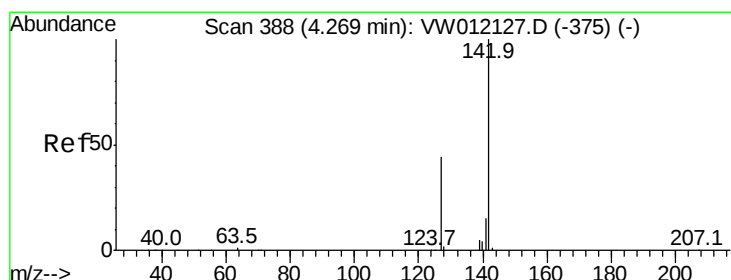
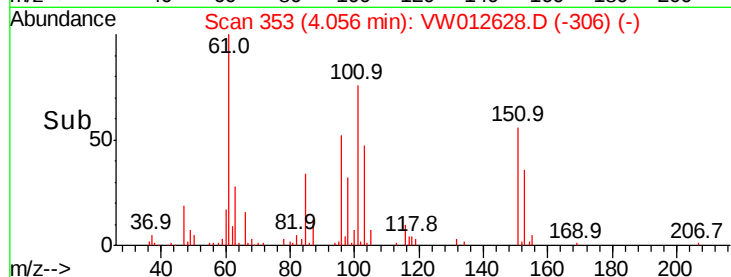
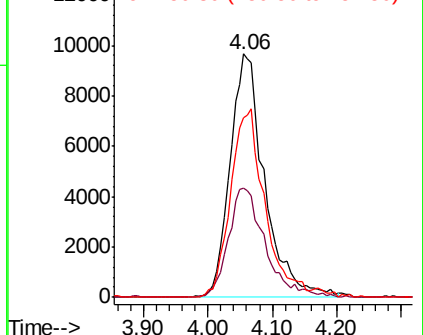
151 76.6 58.6 87.8



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: 17.986 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

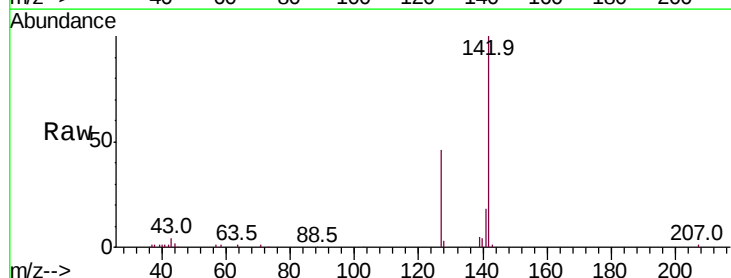
Tgt Ion:142 Resp: 46524

Ion Ratio Lower Upper

142 100

127 45.7 35.5 53.3

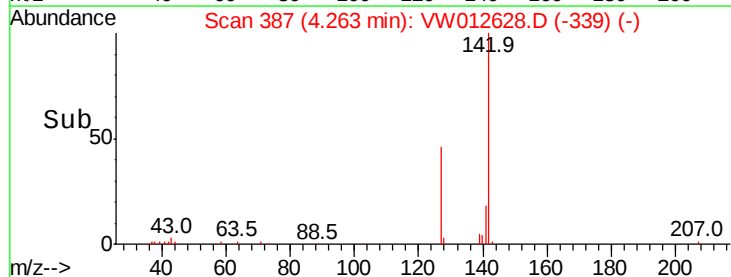
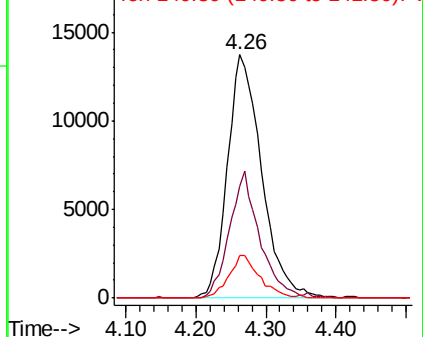
141 16.1 11.8 17.8

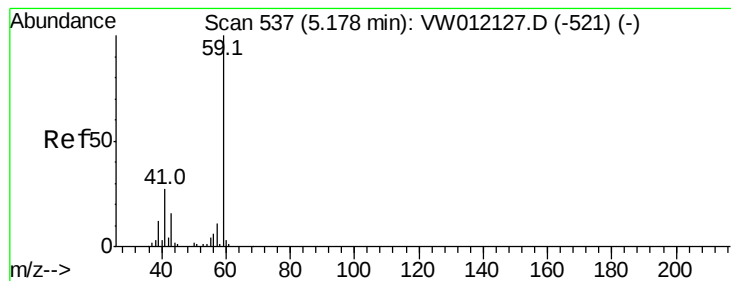


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



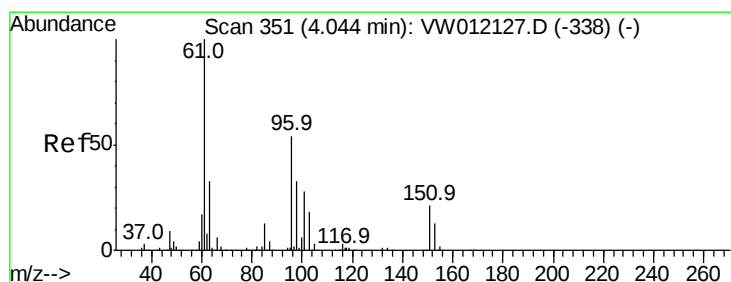
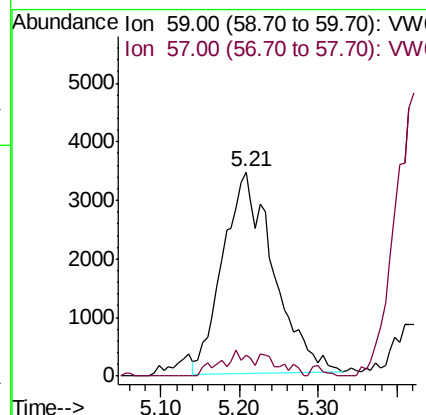
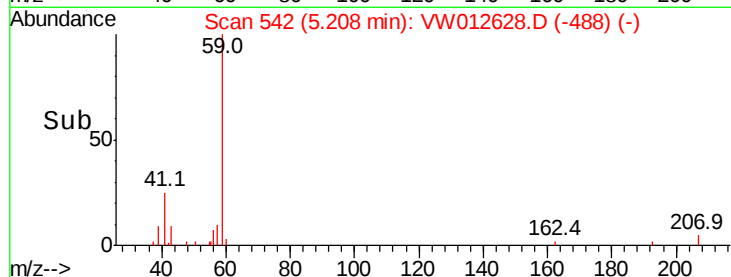
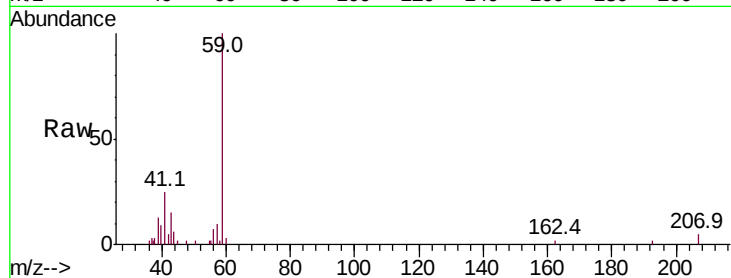


#11

Tert butyl alcohol
 Concen: 111.298 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.03 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

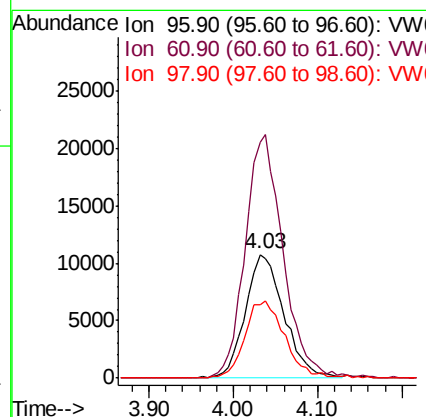
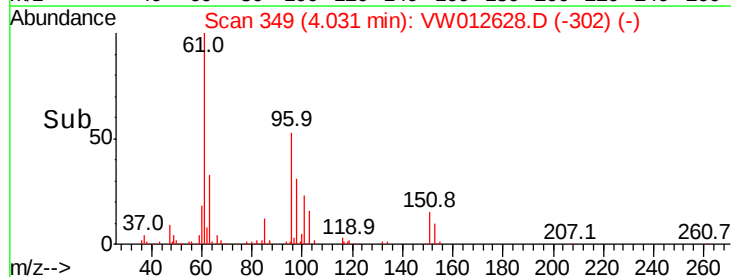
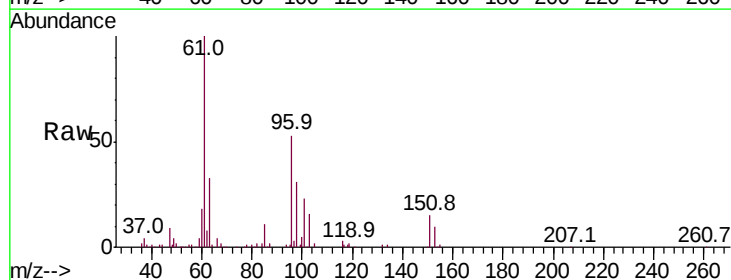
Tot Ion: 59 Resp: 15274
 Ion Ratio Lower Upper
 59 100
 57 7.2 9.0 13.4#

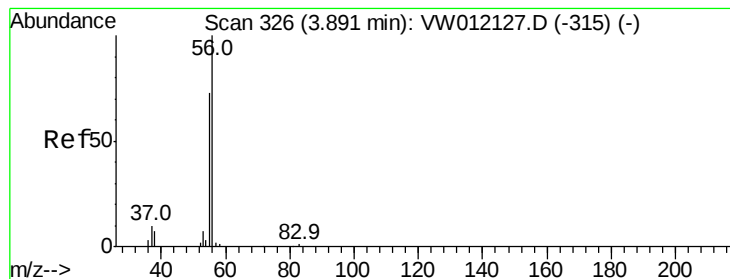


#12

1,1-Dichloroethene
 Concen: 17.443 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Tgt Ion: 96 Resp: 33564
 Ion Ratio Lower Upper
 96 100
 61 190.2 149.1 223.7
 98 59.6 49.4 74.2





#13

Acrolein

Concen: 71.039 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

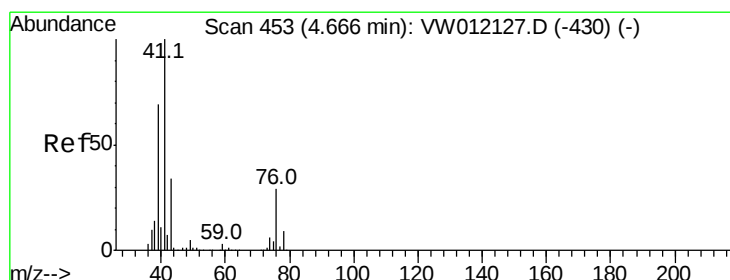
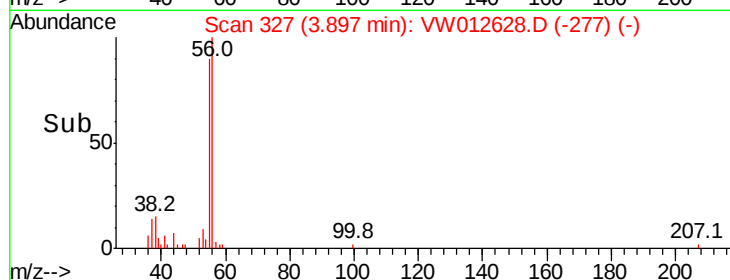
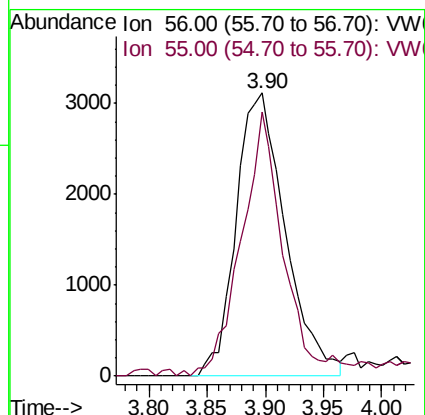
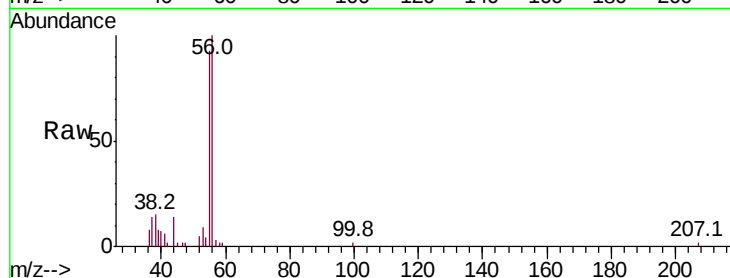
VW0904SBSD02

Tot Ion: 56 Resp: 9177

Ion Ratio Lower Upper

56 100

55 77.2 55.8 83.8



#14

Allyl chloride

Concen: 16.689 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

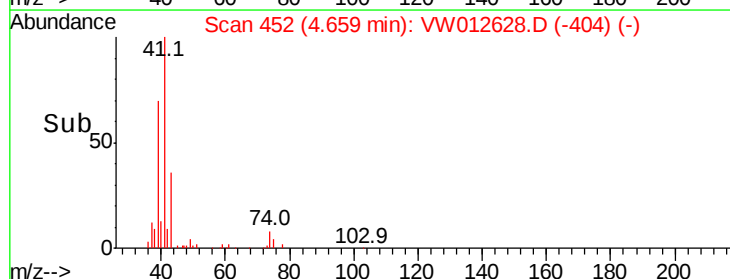
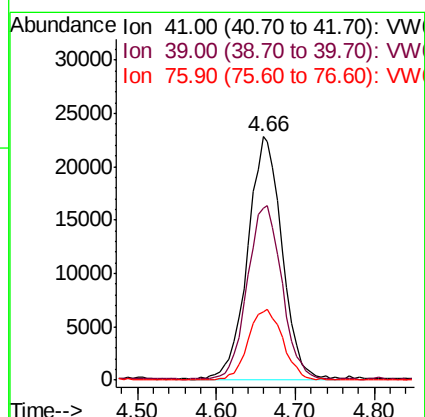
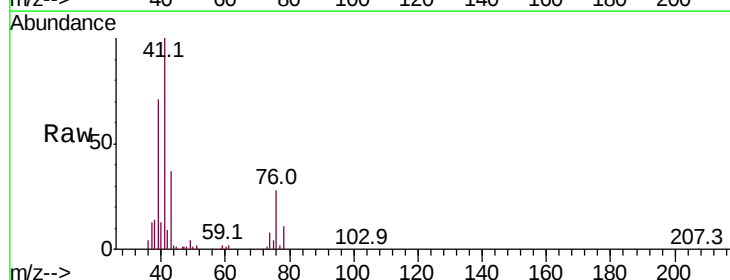
Tgt Ion: 41 Resp: 68653

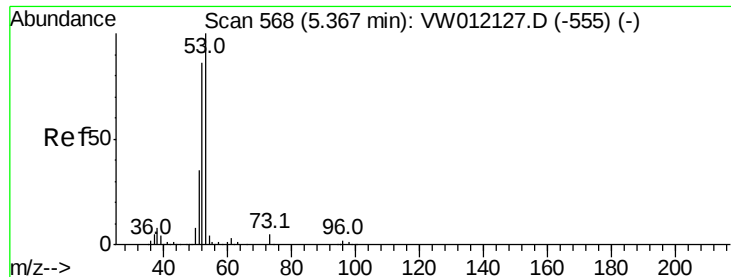
Ion Ratio Lower Upper

41 100

39 72.0 53.4 80.2

76 29.5 22.1 33.1





#15

Acrylonitrile

Concen: 113.461 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

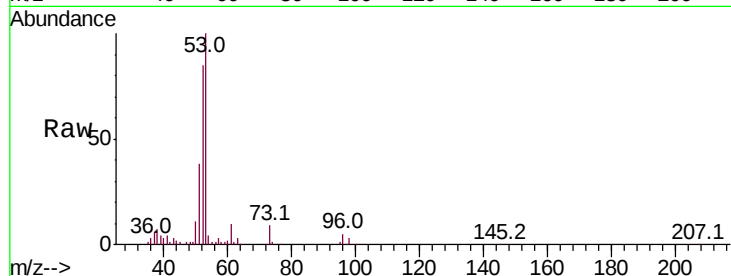
Tot Ion: 53 Resp: 60037

Ion Ratio Lower Upper

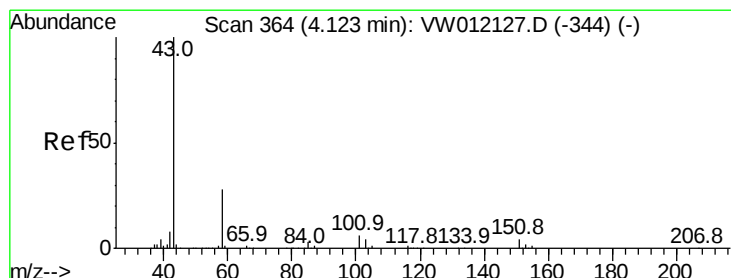
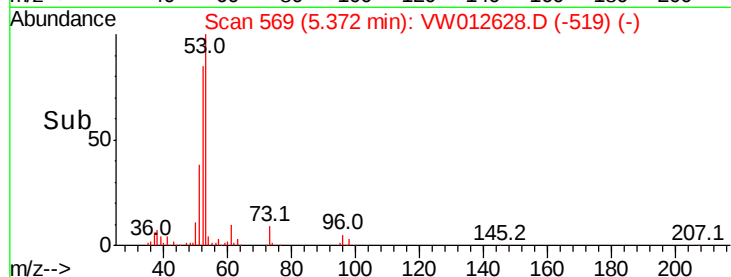
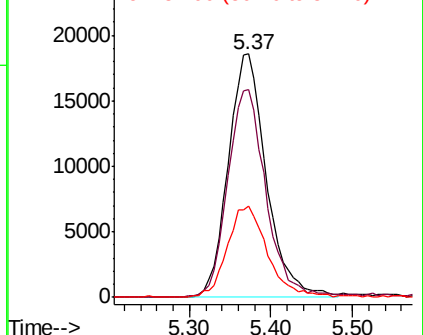
53 100

52 85.3 66.7 100.1

51 39.7 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 104.916 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012628.D

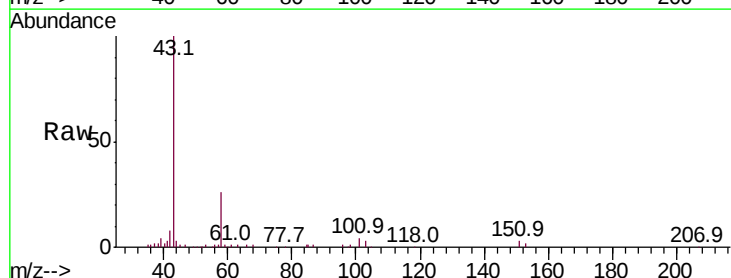
Acq: 05 Sep 2019 09:08

Tgt Ion: 43 Resp: 61158

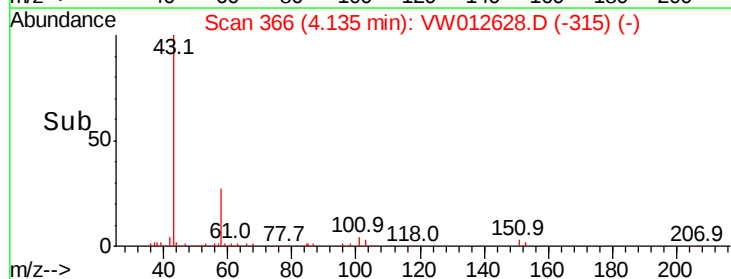
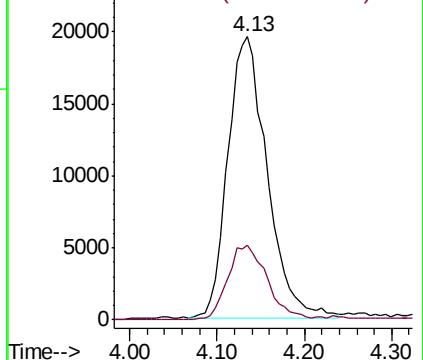
Ion Ratio Lower Upper

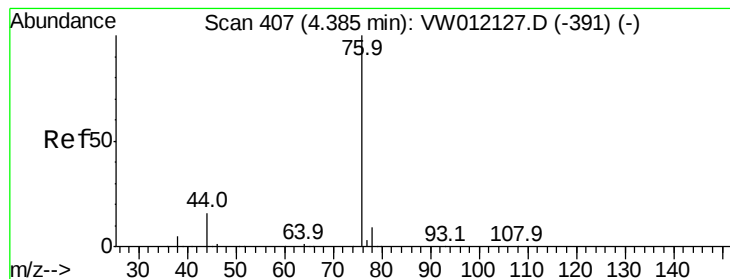
43 100

58 26.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 13.396 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

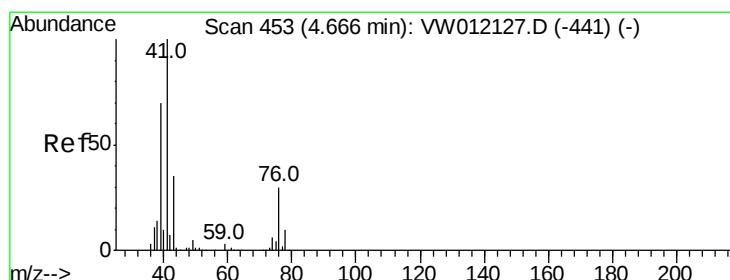
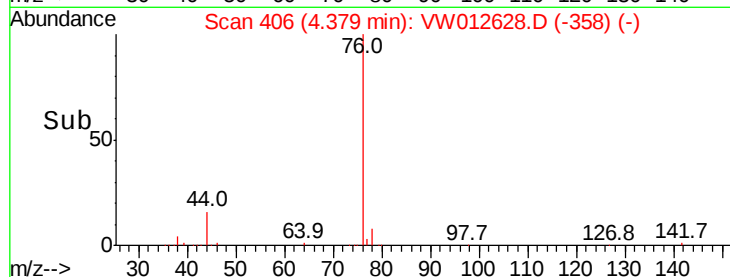
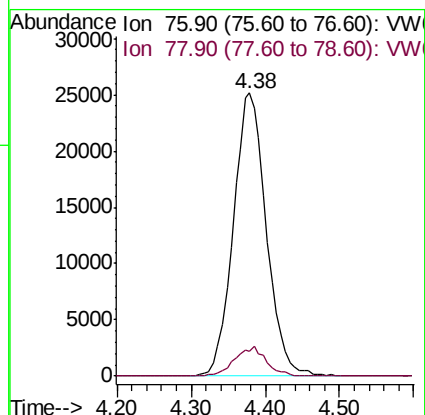
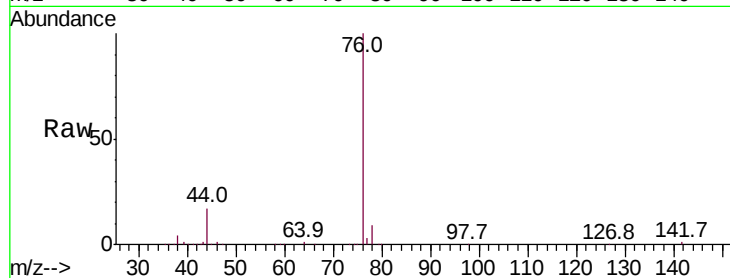
VW0904SBSD02

Tot Ion: 76 Resp: 77901

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



#18

Methyl Acetate

Concen: 23.045 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012628.D

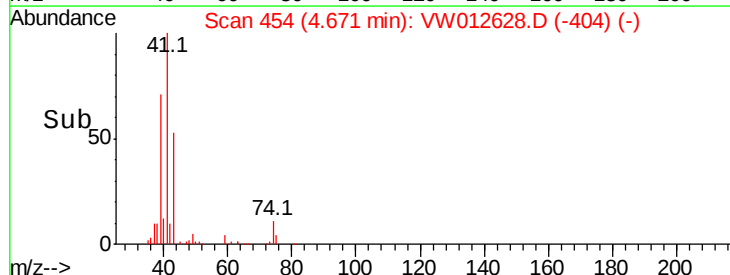
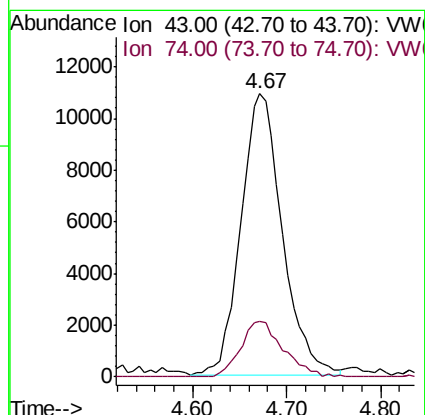
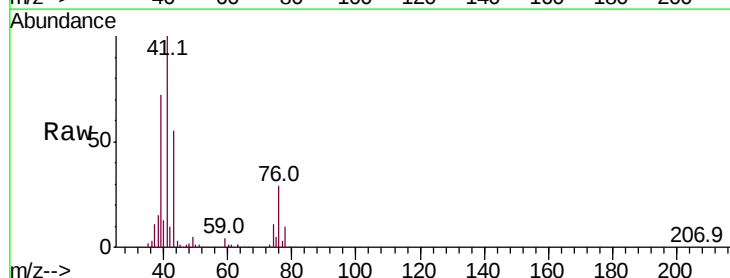
Acq: 05 Sep 2019 09:08

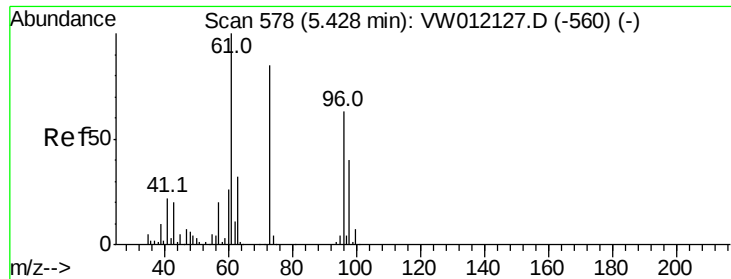
Tgt Ion: 43 Resp: 33273

Ion Ratio Lower Upper

43 100

74 20.4 15.7 23.5

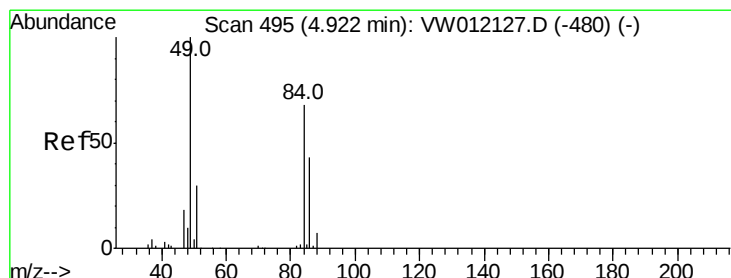
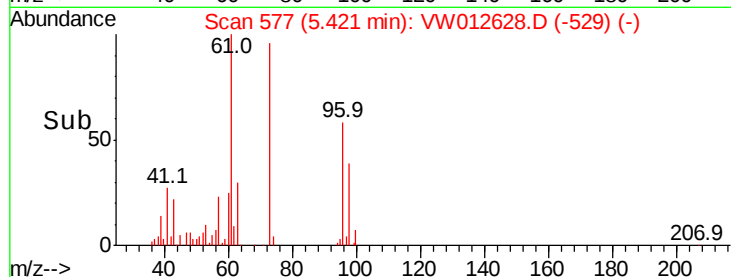
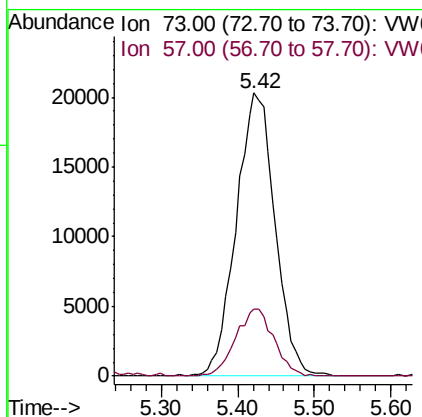
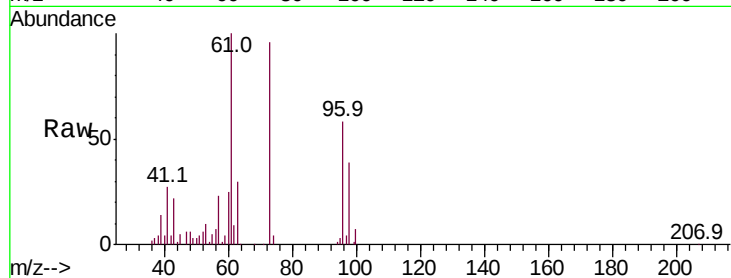




#19
Methvl tert-butvl Ether
Concen: 23.002 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

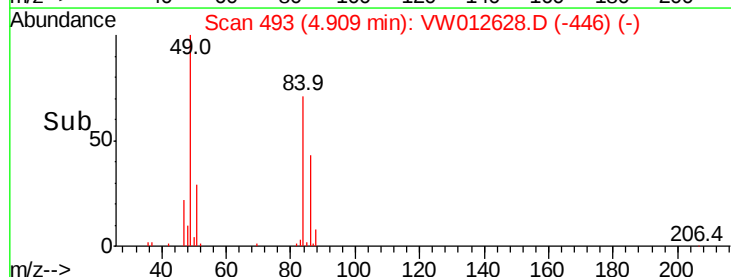
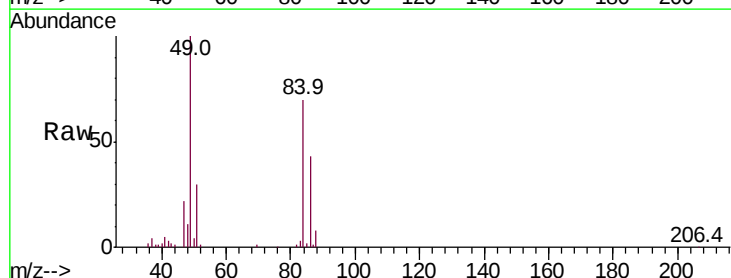
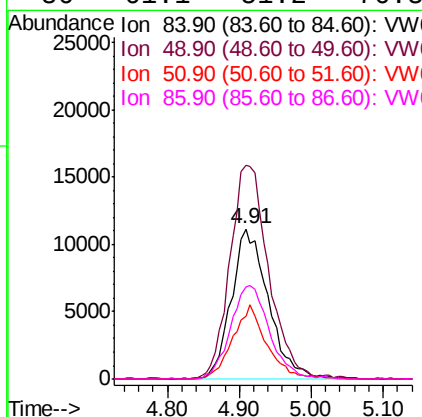
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

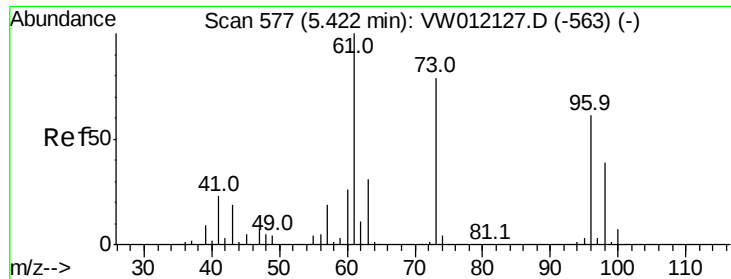
Tot Ion: 73 Resp: 71575
Ion Ratio Lower Upper
73 100
57 23.8 18.9 28.3



#20
Methylene Chloride
Concen: 18.021 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion: 84 Resp: 39712
Ion Ratio Lower Upper
84 100
49 142.1 117.8 176.8
51 41.9 35.6 53.4
86 61.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.617 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

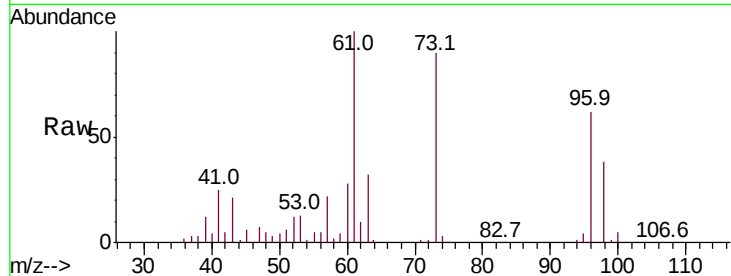
Tot Ion: 96 Resp: 38414

Ion Ratio Lower Upper

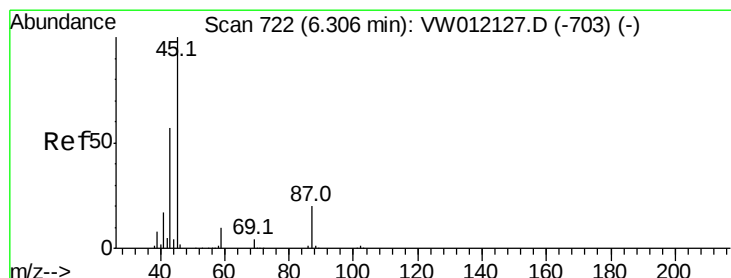
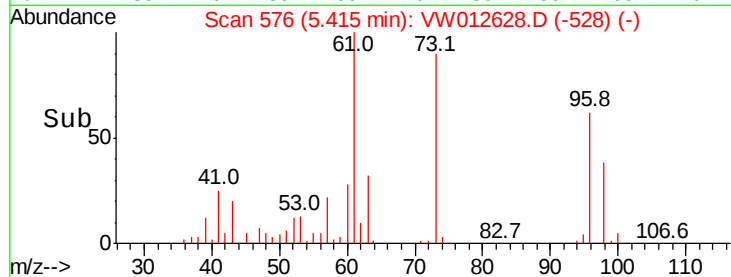
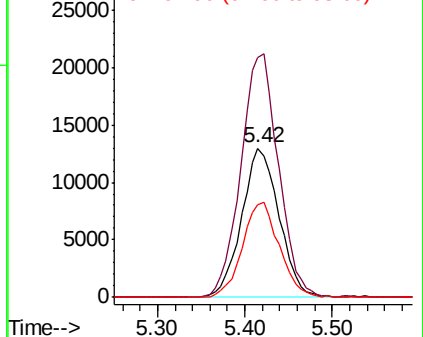
96 100

61 160.5 131.4 197.0

98 61.7 51.4 77.0



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



#22

Diisopropyl ether

Concen: 20.464 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Tgt Ion: 45 Resp: 156038

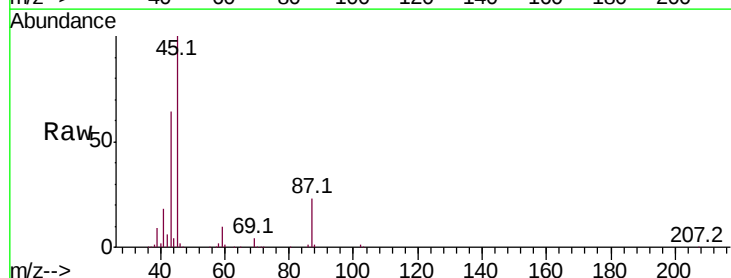
Ion Ratio Lower Upper

45 100

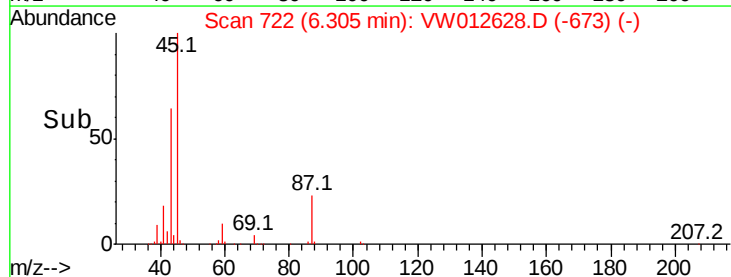
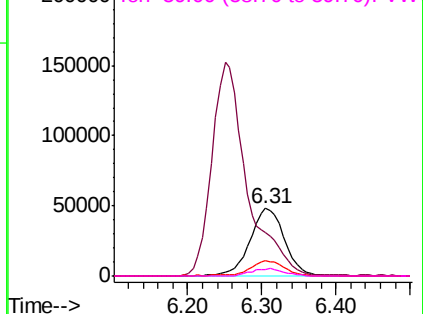
43 62.0 45.5 68.3

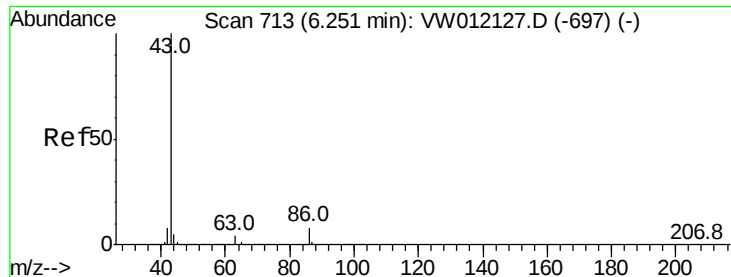
87 22.9 16.1 24.1

59 10.2 8.2 12.2



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





#23

Vinyl Acetate

Concen: 106.603 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

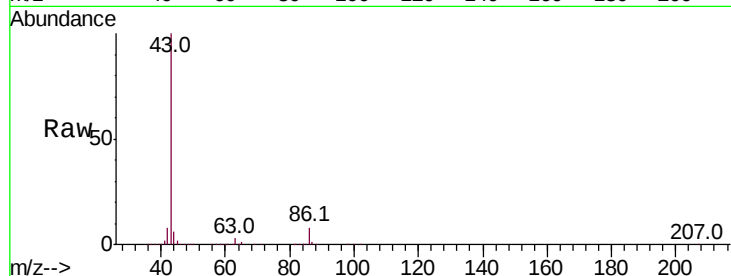
VW0904SBSD02

Tot Ion: 43 Resp: 500238

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

6.25

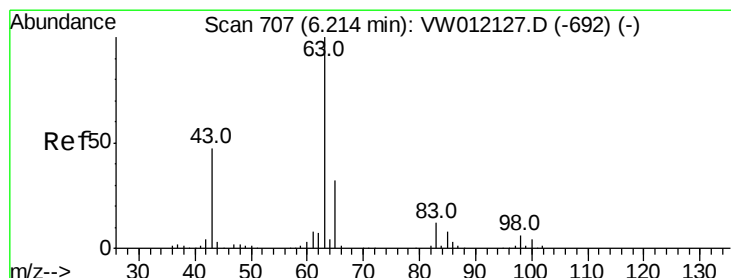
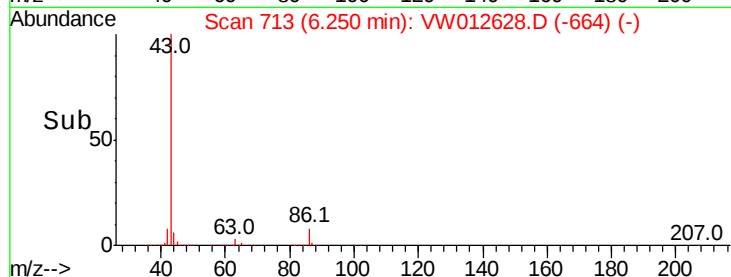
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 20.546 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

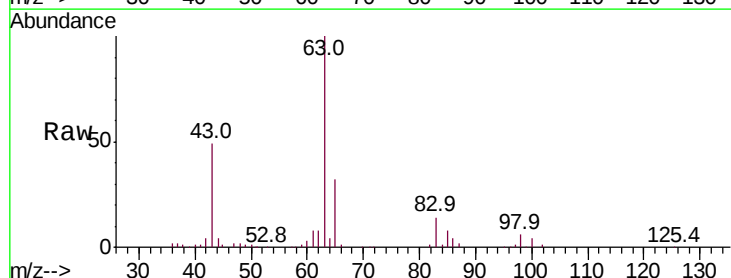
Tgt Ion: 63 Resp: 85302

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.9 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

6.21

40000

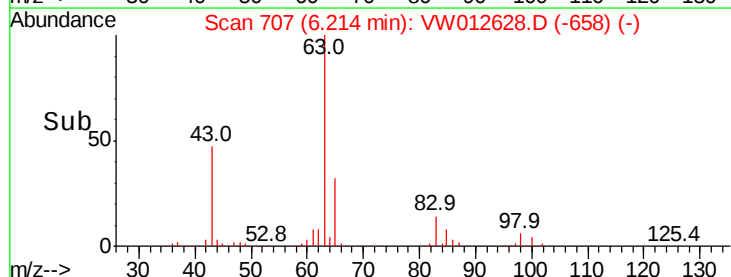
30000

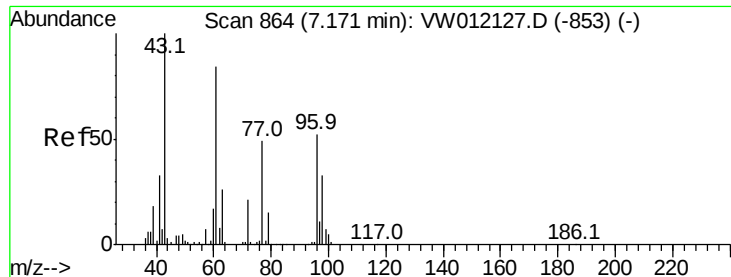
20000

10000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 122.865 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

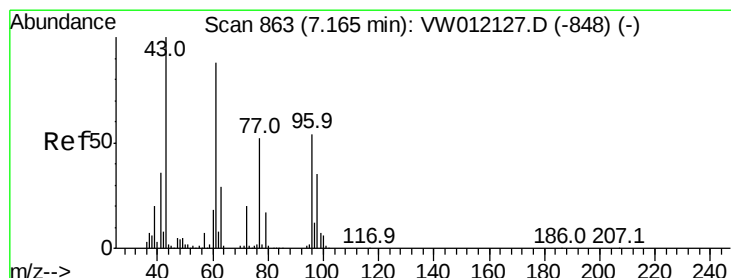
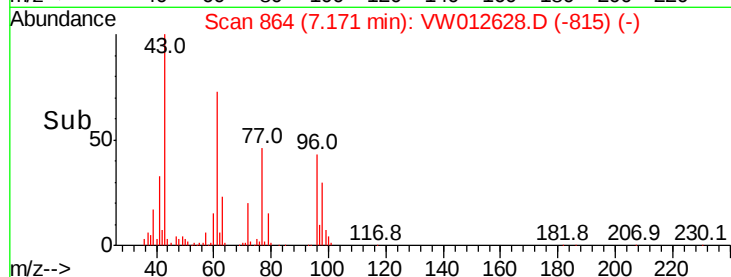
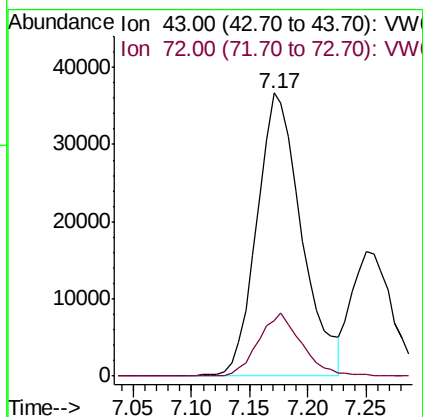
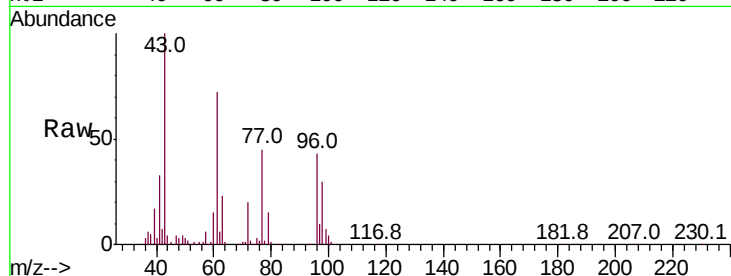
VW0904SBSD02

Tot Ion: 43 Resp: 97325

Ion Ratio Lower Upper

43 100

72 19.9 16.6 24.8



#26

2,2-Dichloropropane

Concen: 22.698 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012628.D

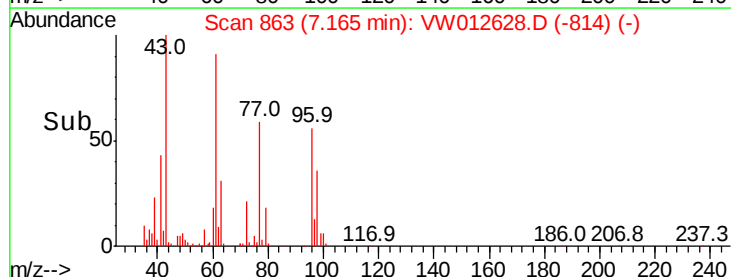
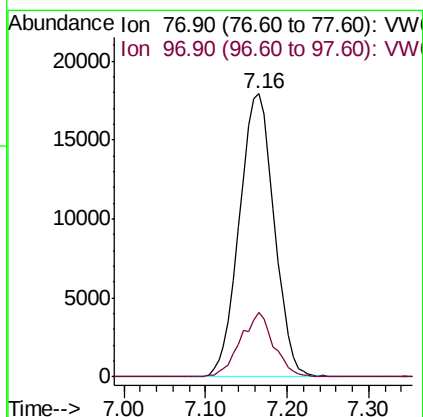
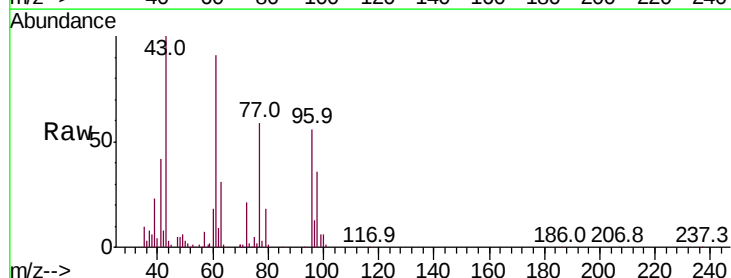
Acq: 05 Sep 2019 09:08

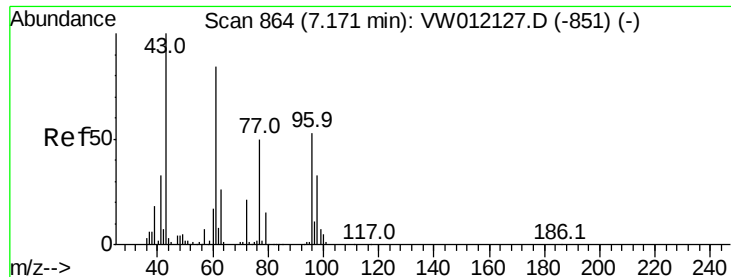
Tgt Ion: 77 Resp: 53337

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.1



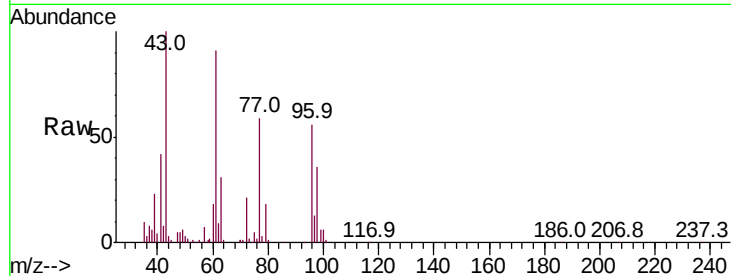


#27

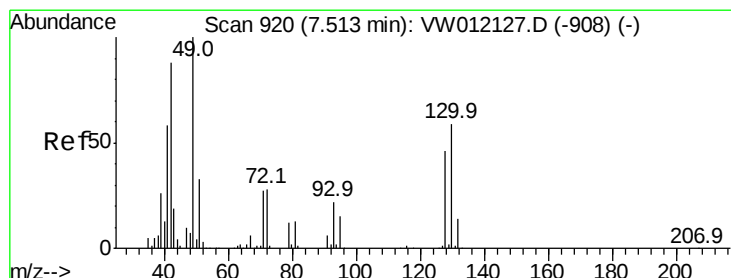
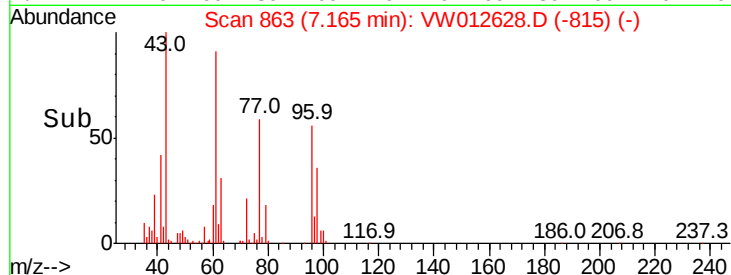
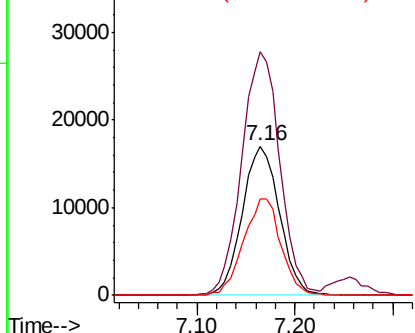
cis-1,2-Dichloroethene
 Concen: 20.474 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Tot Ion: 96 Resp: 45135
 Ion Ratio Lower Upper
 96 100
 61 167.4 0.0 326.6
 98 64.7 0.0 127.4



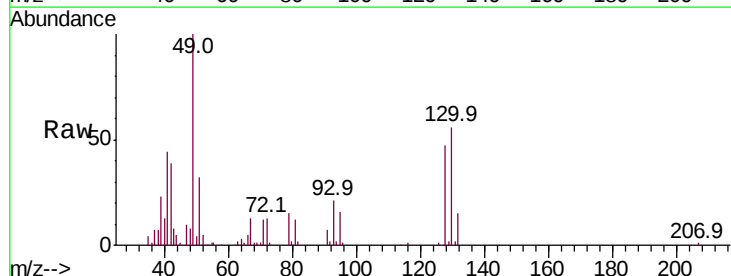
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



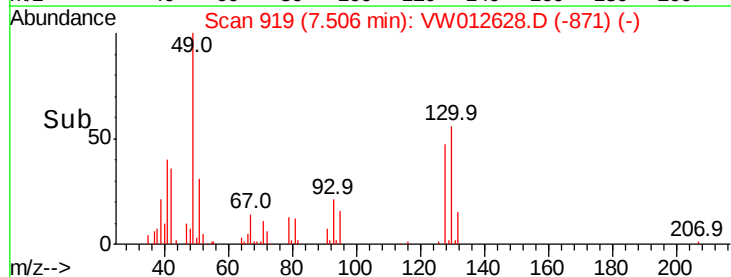
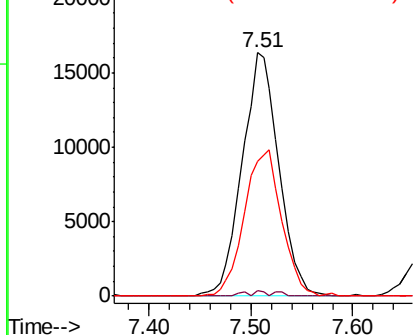
#28

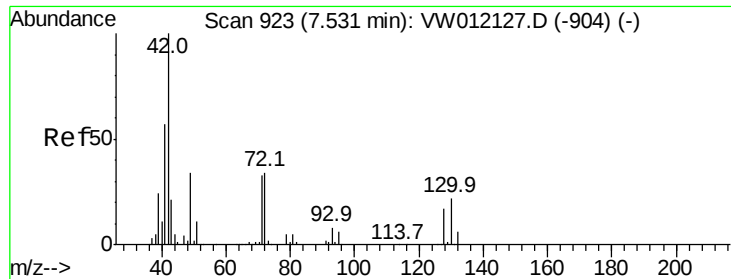
Bromochloromethane
 Concen: 22.552 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Tgt Ion: 49 Resp: 40807
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 1.4
 130 0.0 45.5 68.3#



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

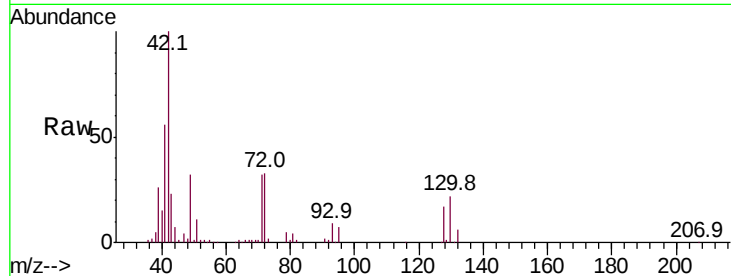




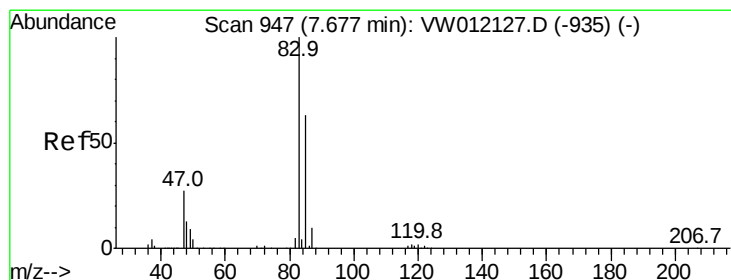
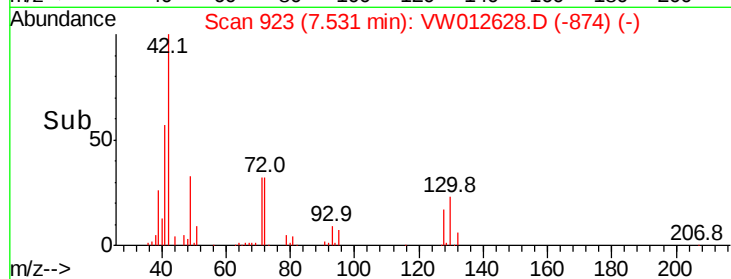
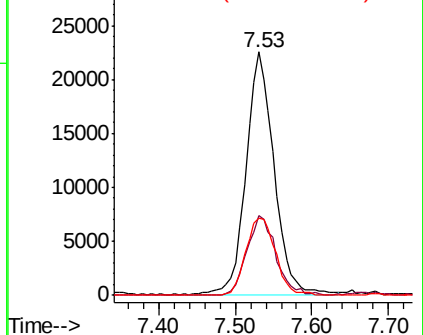
#29
Tetrahydrofuran
Concen: 119.621 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.3	40.9
71	34.1	25.5	38.3

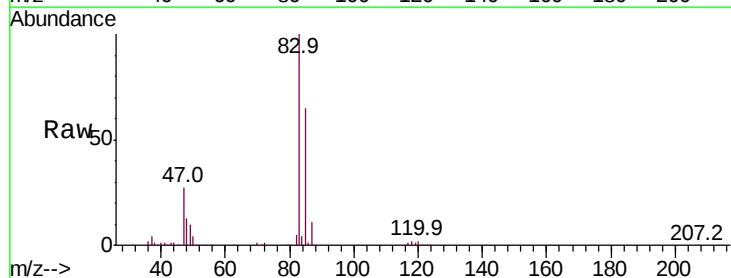


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

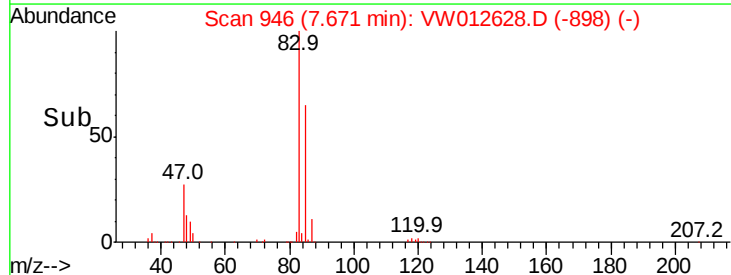
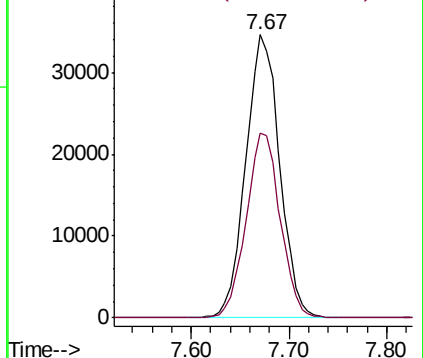


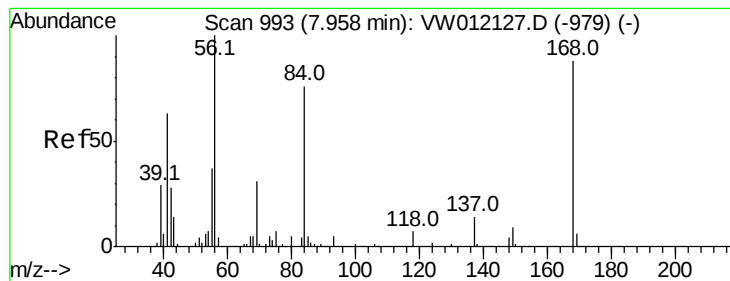
#30
Chloroform
Concen: 21.933 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	76.0



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





#31

Cyclohexane

Concen: 18.444 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

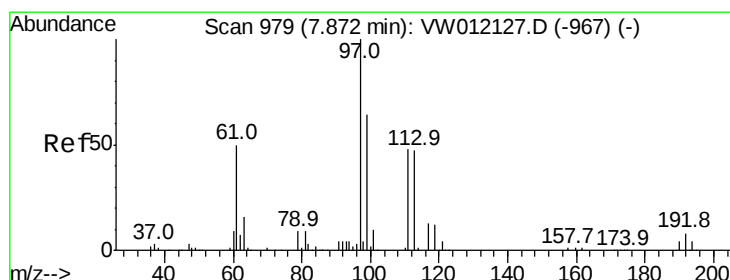
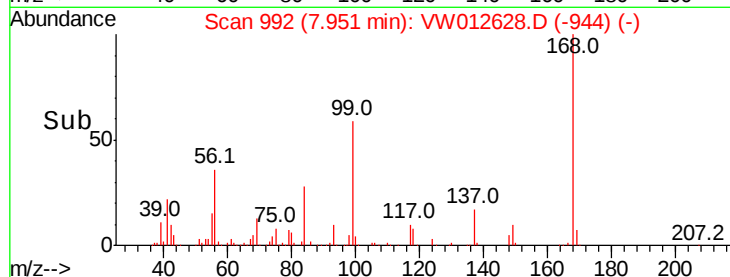
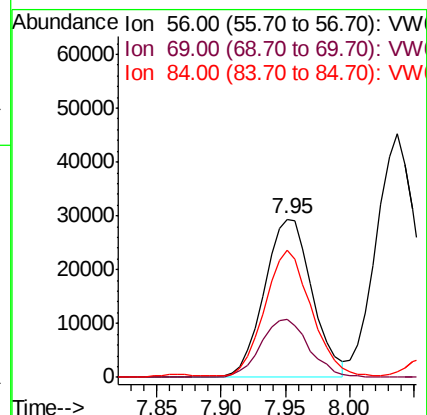
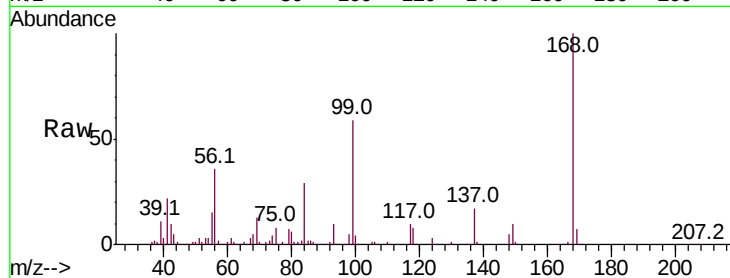
Tot Ion: 56 Resp: 75758

Ion Ratio Lower Upper

56 100

69 36.3 24.9 37.3

84 79.6 60.6 90.8



#32

1,1,1-Trichloroethane

Concen: 22.607 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

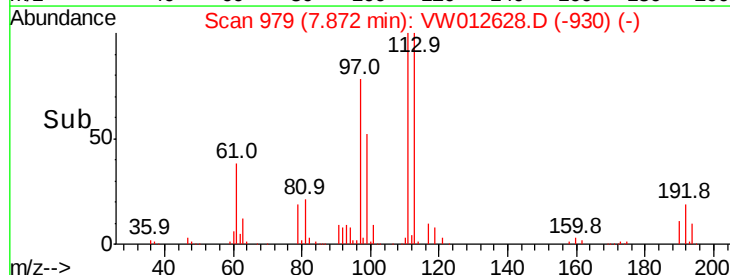
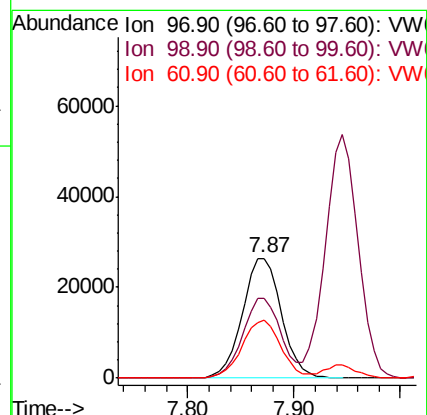
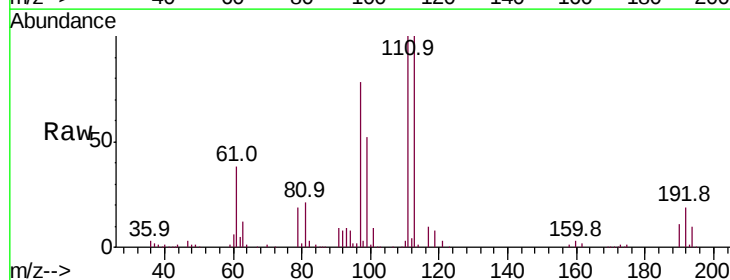
Tgt Ion: 97 Resp: 67928

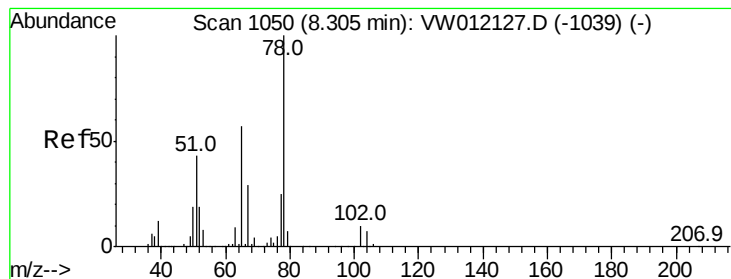
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

61 48.2 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 59.056 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

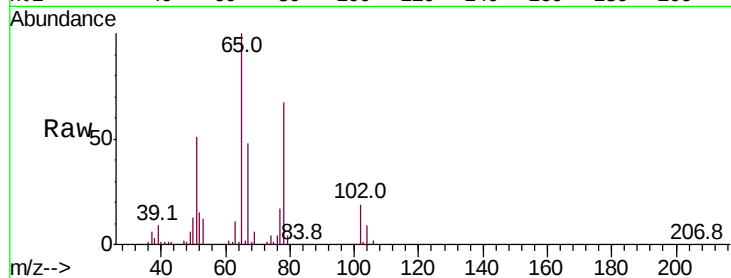
VW0904SBSD02

Tot Ion: 65 Resp: 134672

Ion Ratio Lower Upper

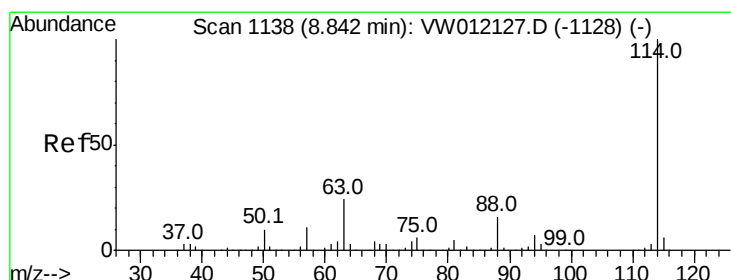
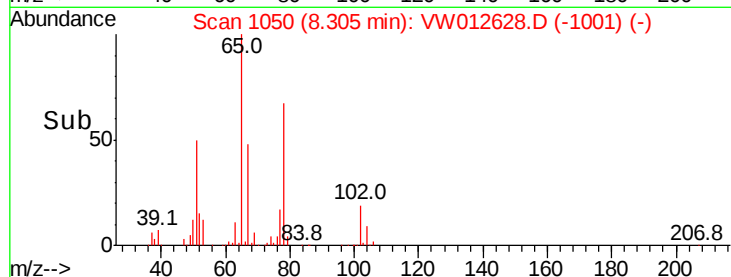
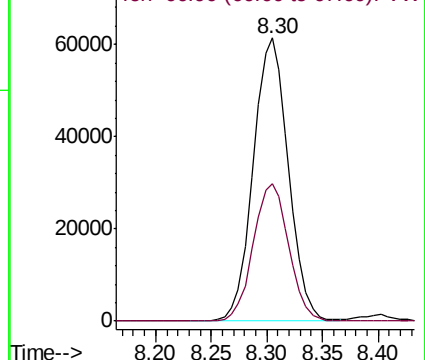
65 100

67 49.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

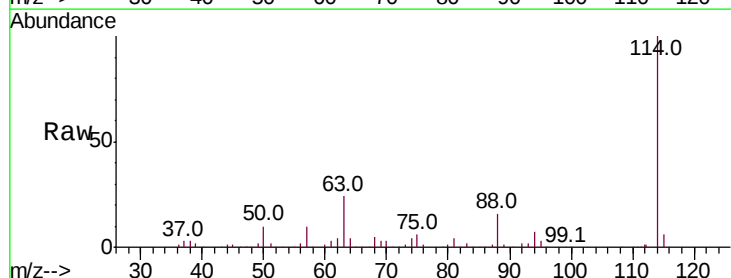
Tgt Ion: 114 Resp: 291598

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

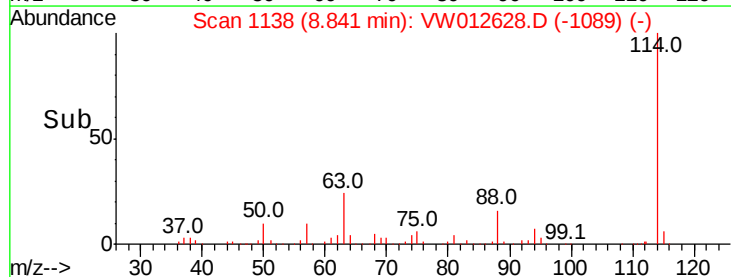
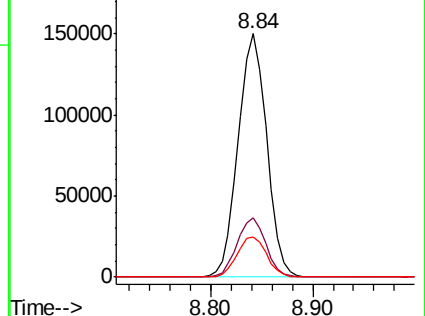
88 16.4 0.0 32.2

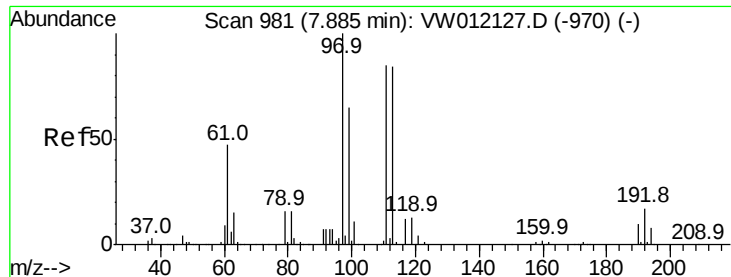


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

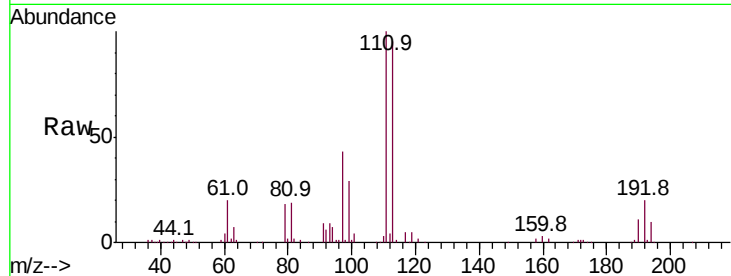




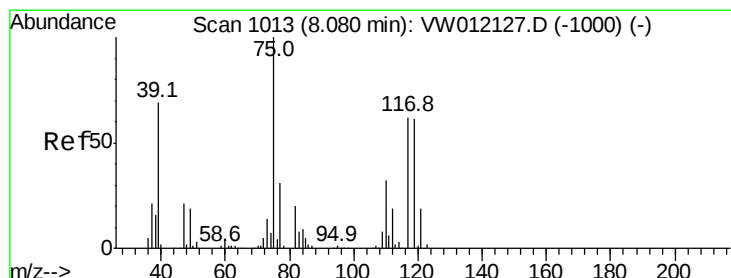
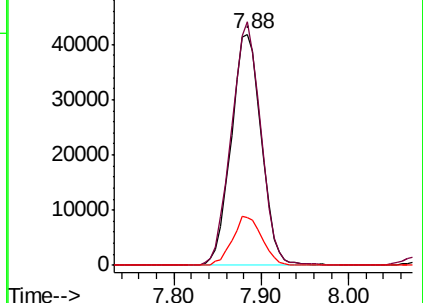
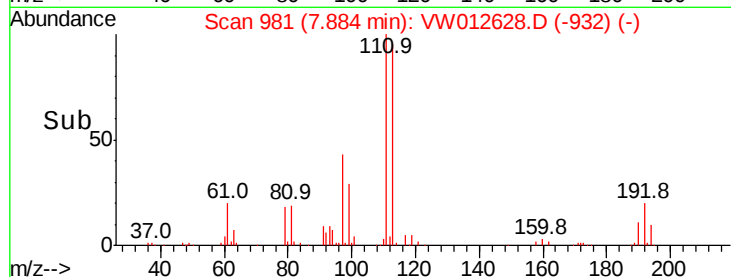
#35
 Dibromofluoromethane
 Concen: 57.840 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	20.7	16.2	24.2

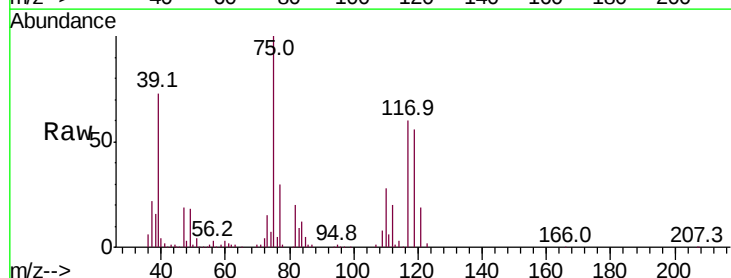


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

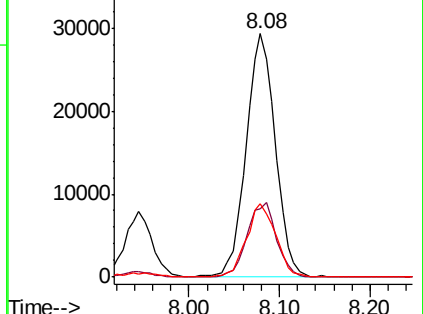
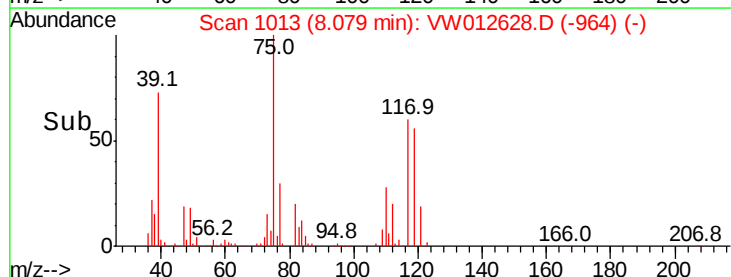


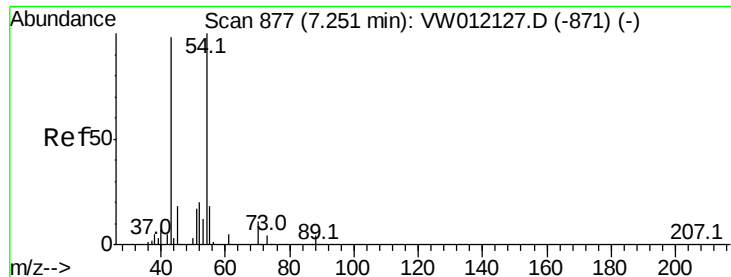
#36
 1,1-Dichloropropene
 Concen: 21.711 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.6	15.6	46.8
77	30.4	24.6	36.8



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

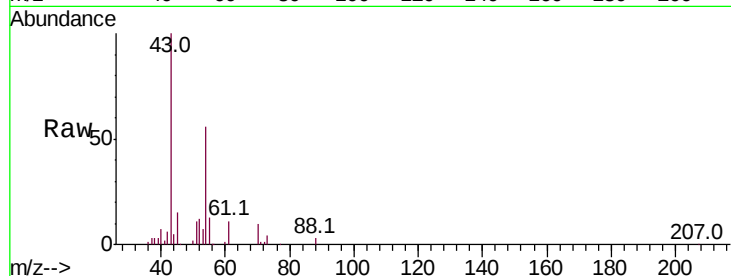




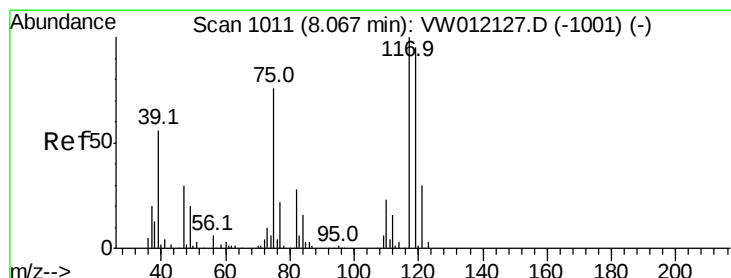
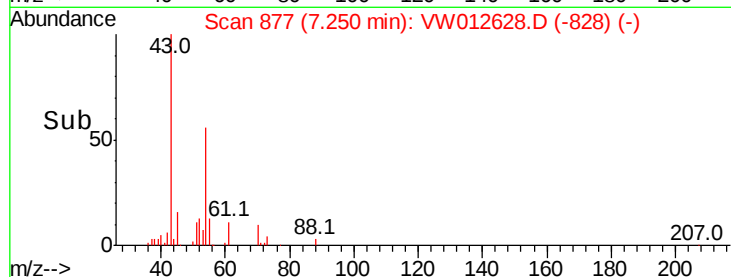
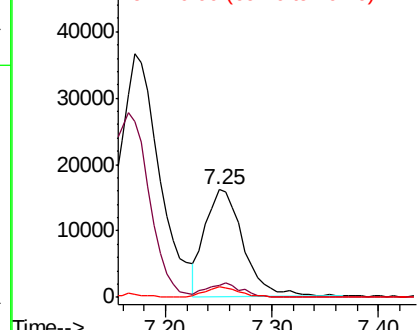
#37
Ethyl Acetate
Concen: 23.947 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion: 43 Resp: 39543
Ion Ratio Lower Upper
43 100
61 12.3 9.2 13.8
70 9.1 6.9 10.3

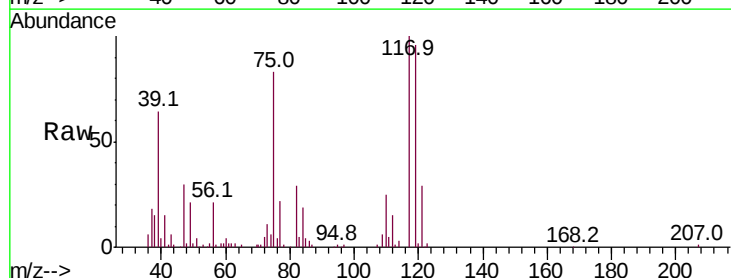


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

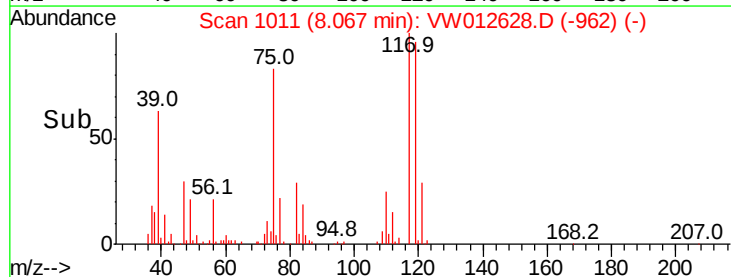
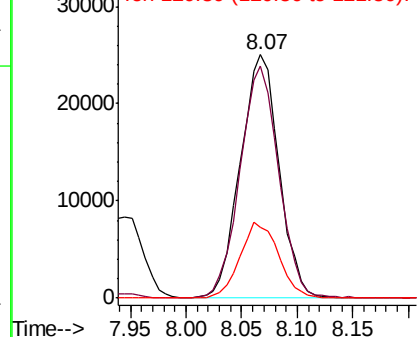


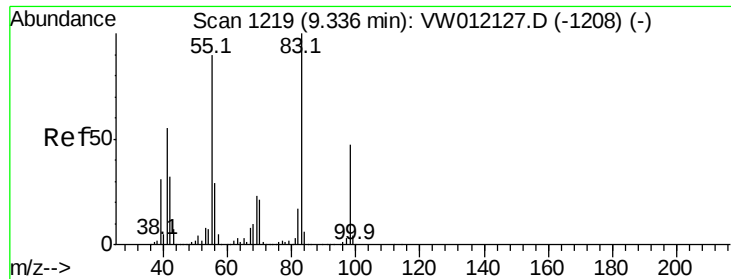
#38
Carbon Tetrachloride
Concen: 23.180 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion: 117 Resp: 60455
Ion Ratio Lower Upper
117 100
119 95.4 76.2 114.2
121 29.3 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

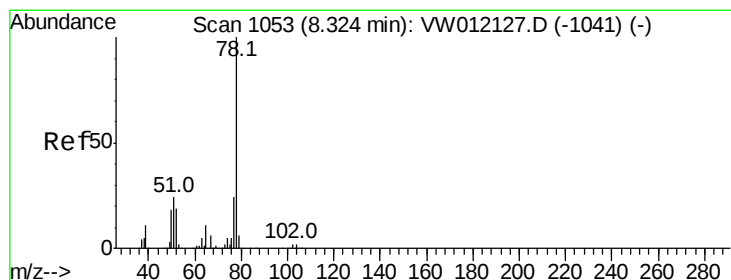
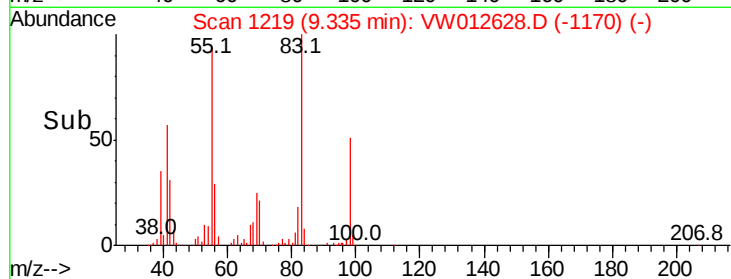
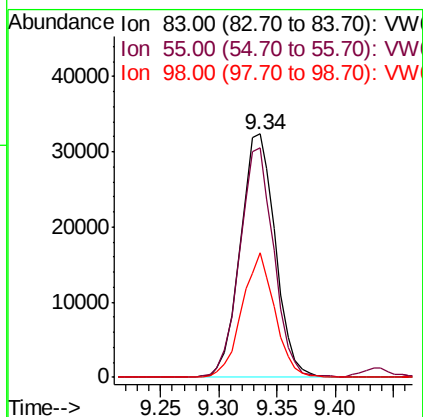
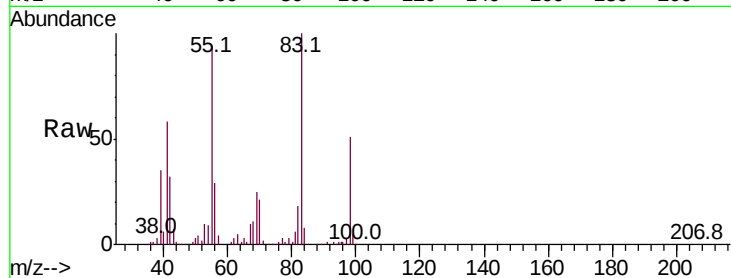




#39
Methvlcvclohexane
Concen: 20.083 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

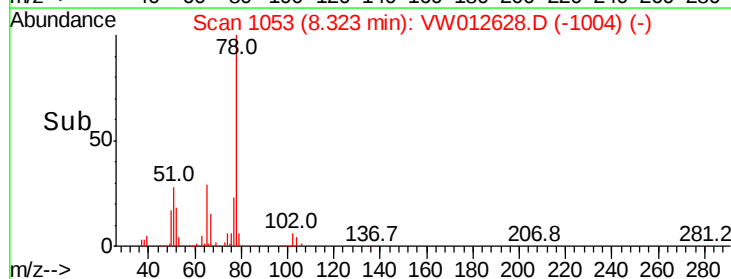
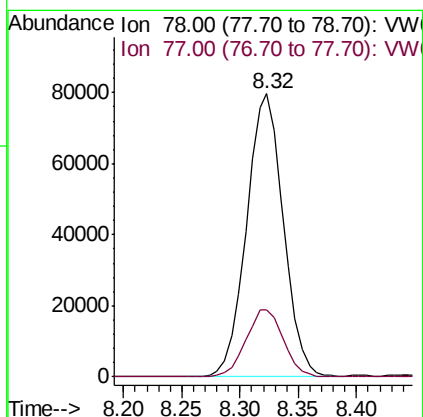
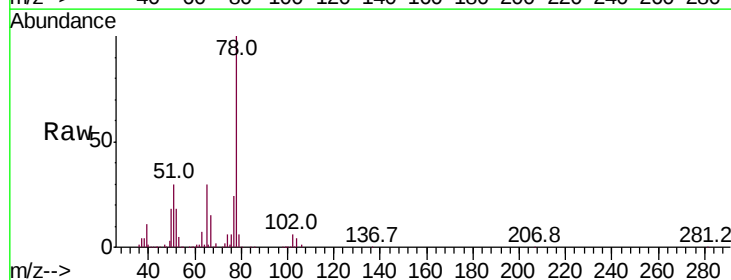
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

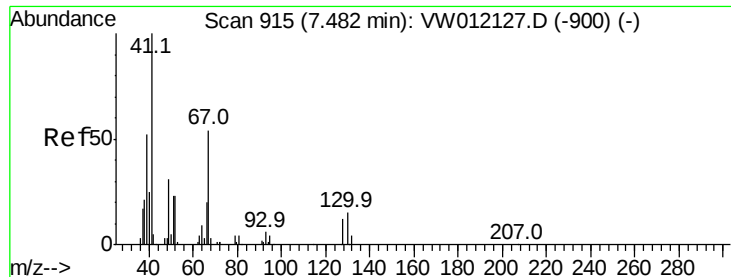
Tot Ion: 83 Resp: 67986
Ion Ratio Lower Upper
83 100
55 94.5 71.8 107.8
98 51.2 37.8 56.8



#40
Benzene
Concen: 21.355 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion: 78 Resp: 175714
Ion Ratio Lower Upper
78 100
77 23.6 19.5 29.3





#41

Methacrylonitrile

Concen: 24.269 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion: 41 Resp: 23553

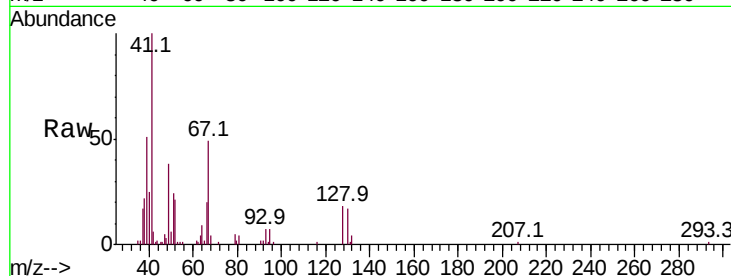
Ion Ratio Lower Upper

41 100

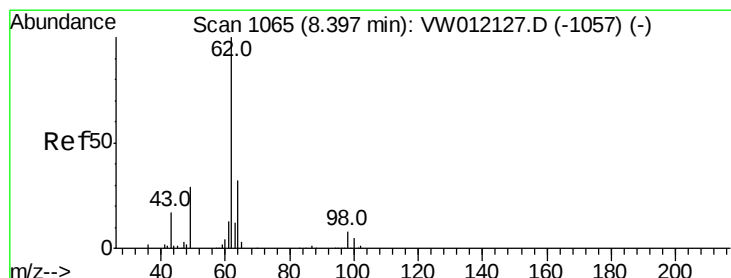
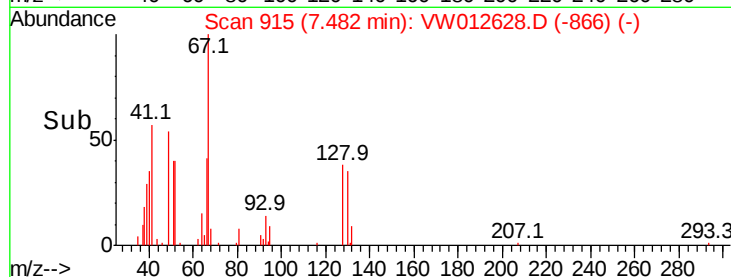
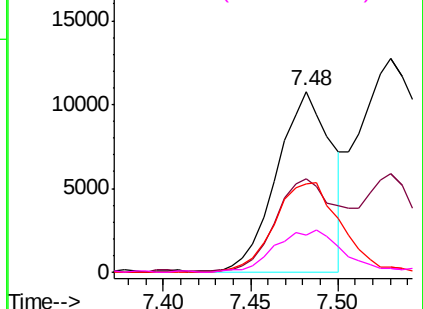
39 58.1 45.8 68.8

67 60.6 46.2 69.4

52 30.2 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: 24.373 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012628.D

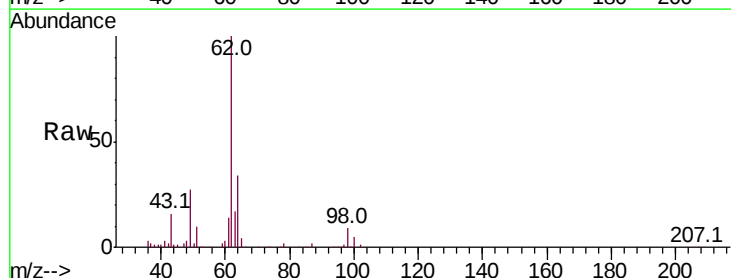
Acq: 05 Sep 2019 09:08

Tgt Ion: 62 Resp: 62852

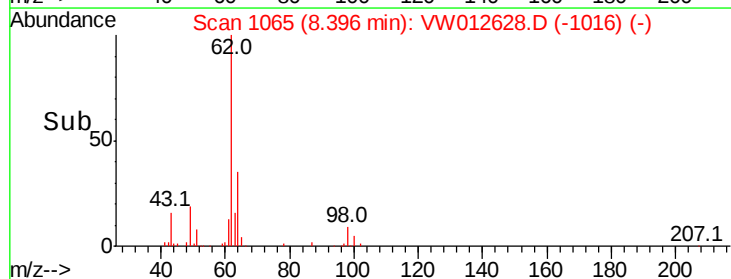
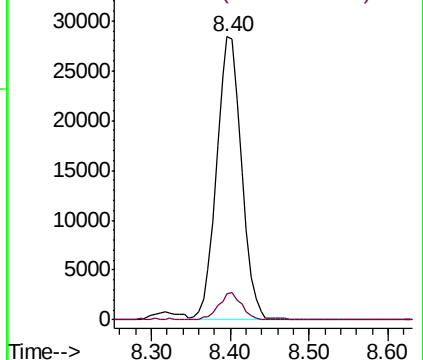
Ion Ratio Lower Upper

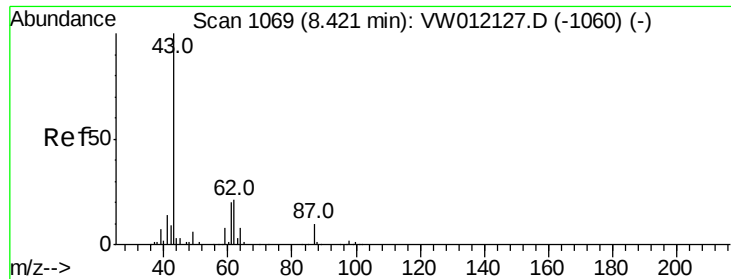
62 100

98 8.7 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: 24.580 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

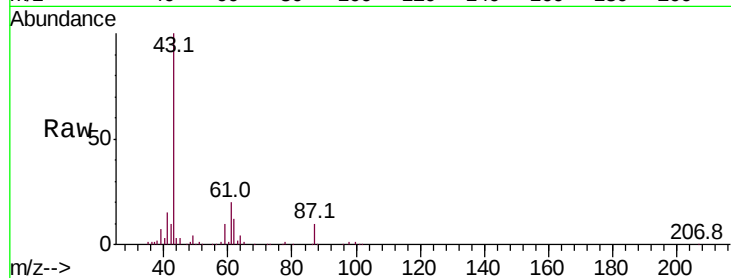
Tot Ion: 43 Resp: 75182

Ion Ratio Lower Upper

43 100

61 26.1 21.1 31.7

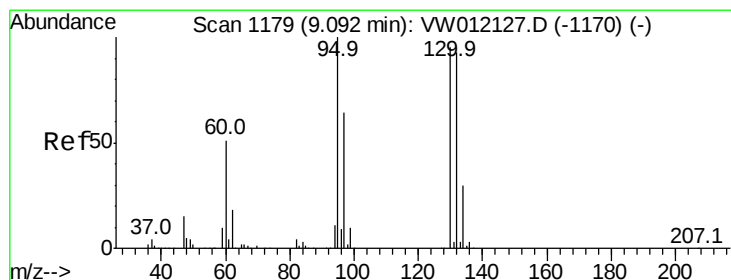
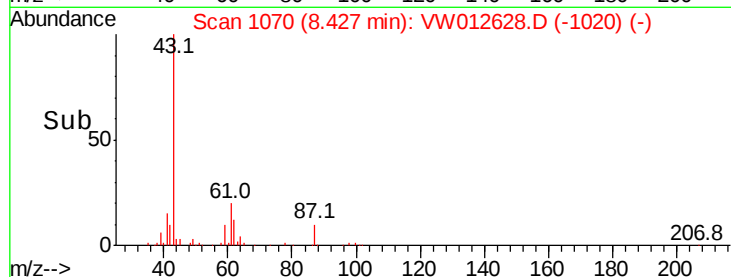
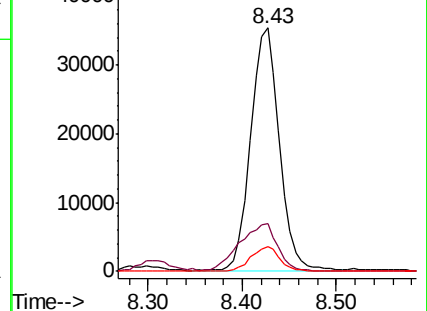
87 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.404 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012628.D

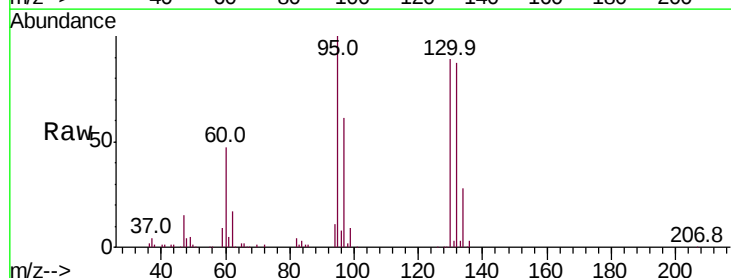
Acq: 05 Sep 2019 09:08

Tgt Ion:130 Resp: 42813

Ion Ratio Lower Upper

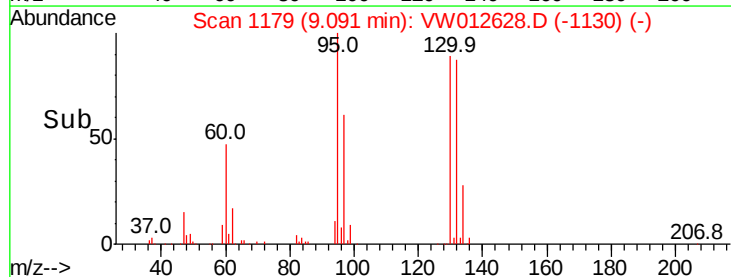
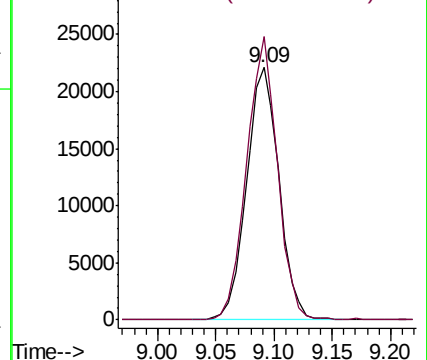
130 100

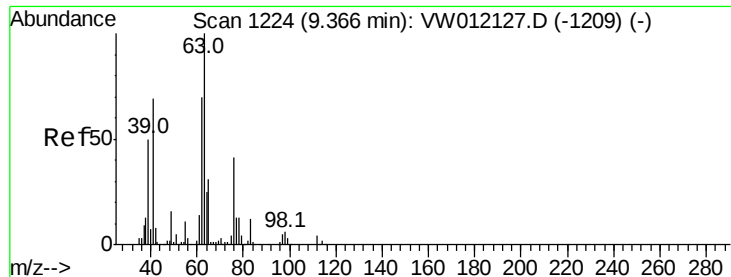
95 112.1 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.541 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

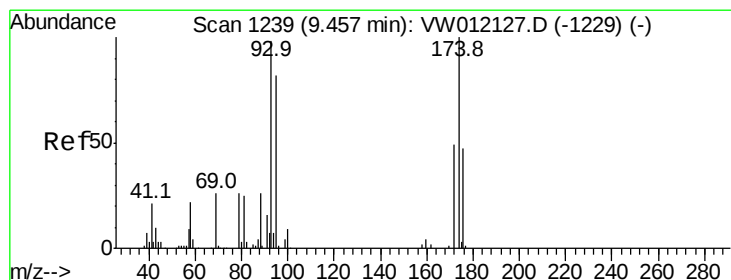
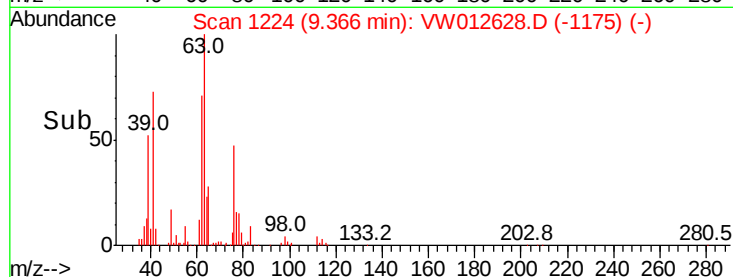
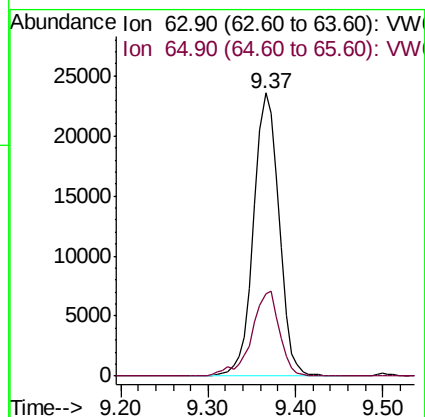
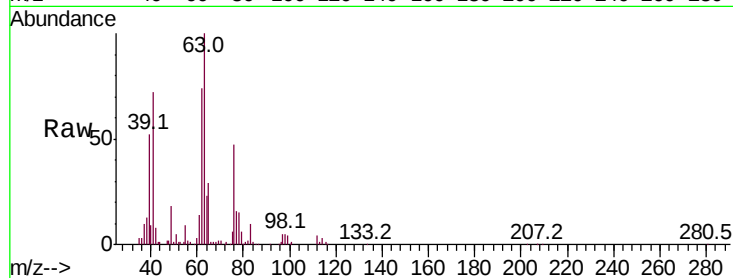
VW0904SBSD02

Tot Ion: 63 Resp: 47702

Ion Ratio Lower Upper

63 100

65 29.0 25.0 37.4



#46

Dibromomethane

Concen: 23.762 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

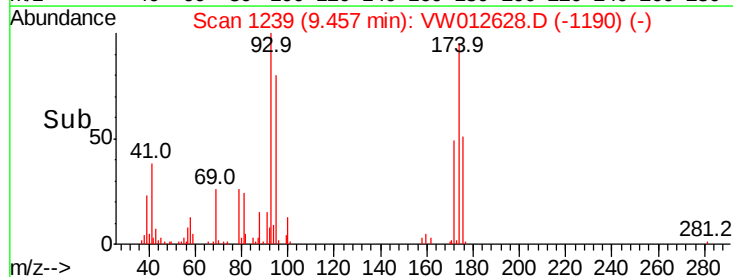
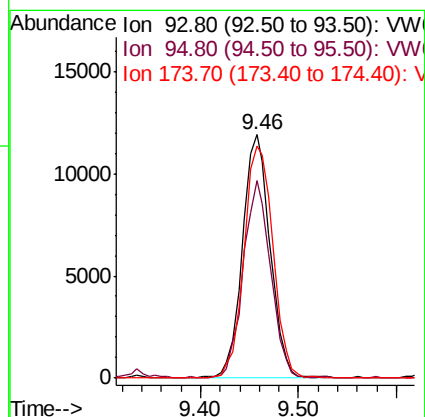
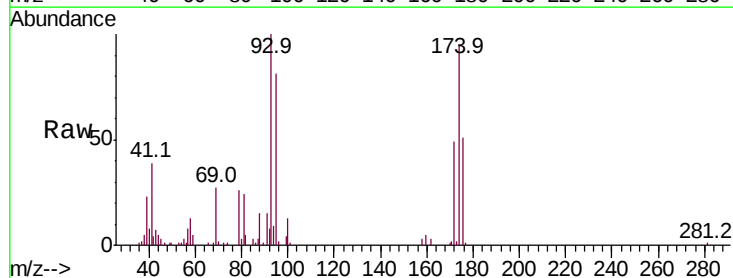
Tgt Ion: 93 Resp: 23412

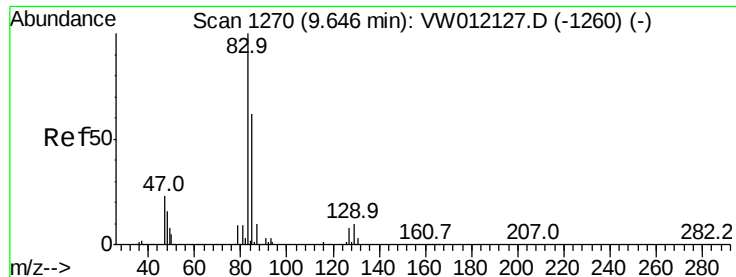
Ion Ratio Lower Upper

93 100

95 80.3 67.2 100.8

174 99.4 79.0 118.6





#47

Bromodichloromethane

Concen: 22.518 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

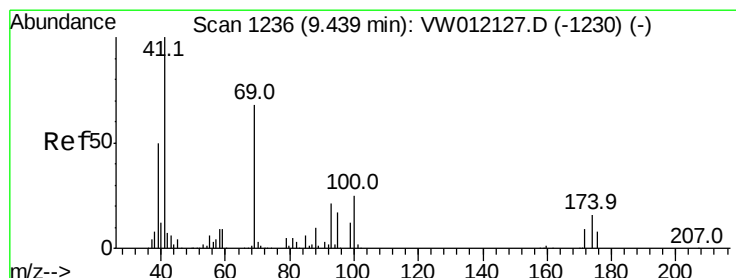
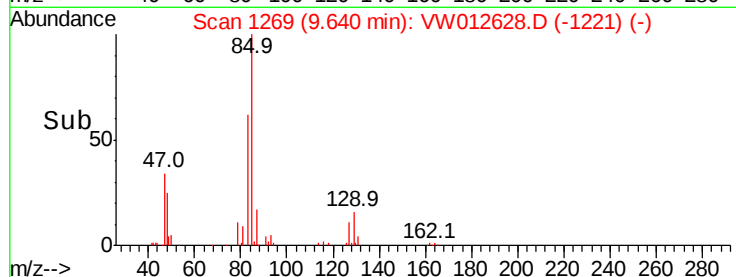
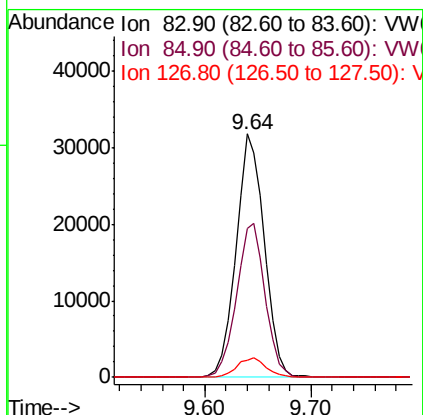
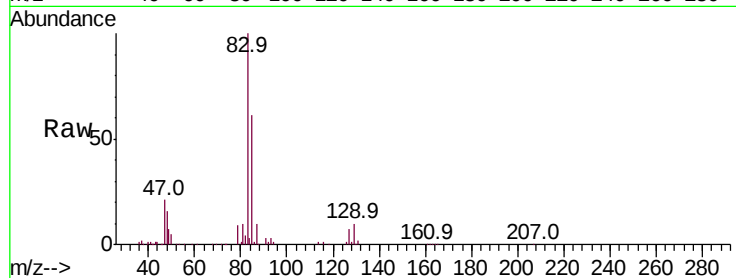
Tot Ion: 83 Resp: 59046

Ion Ratio Lower Upper

83 100

85 61.3 49.4 74.2

127 6.9 6.1 9.1



#48

Methyl methacrylate

Concen: 23.728 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

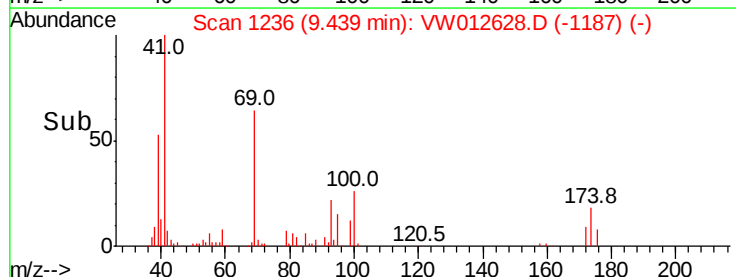
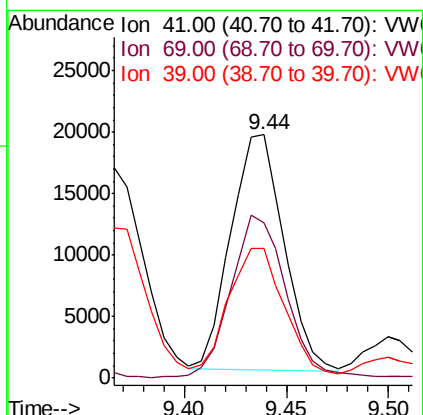
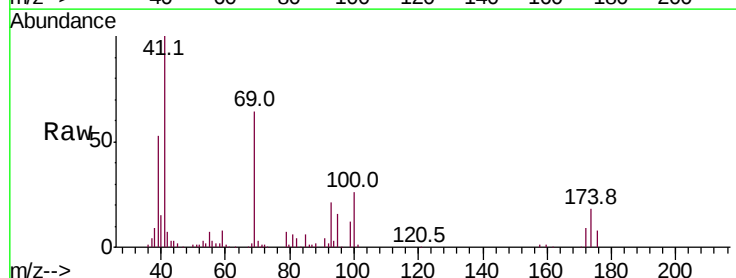
Tgt Ion: 41 Resp: 34542

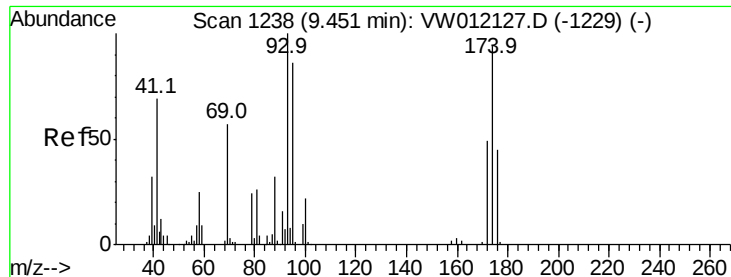
Ion Ratio Lower Upper

41 100

69 71.3 56.7 85.1

39 59.2 42.0 63.0

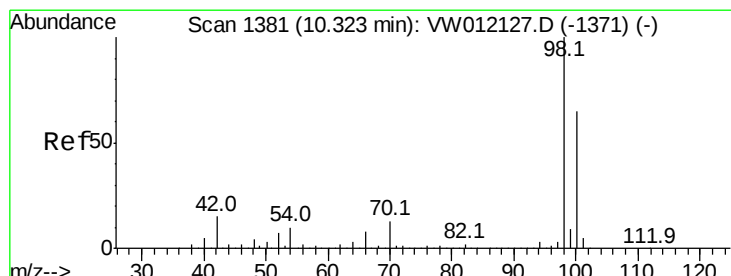
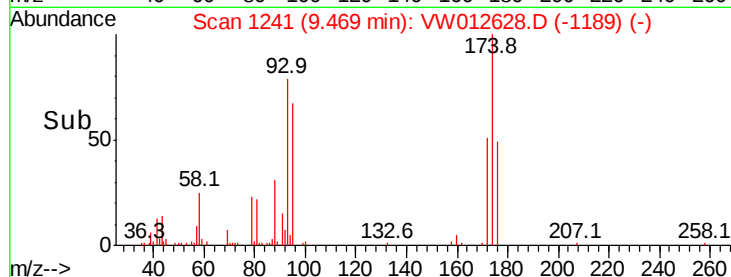
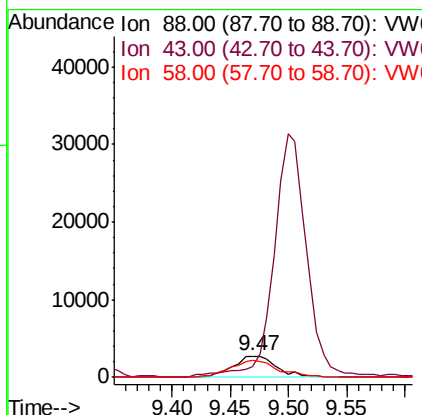
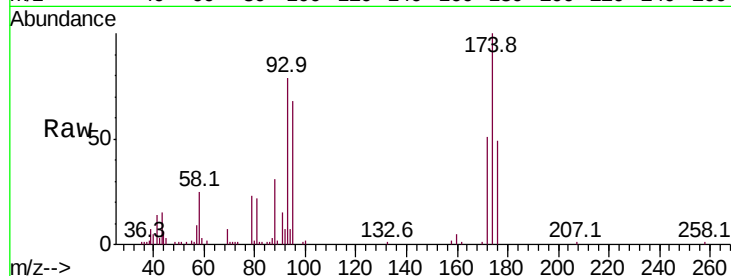




#49
 1,4-Dioxane
 Concen: 482.057 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.02 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

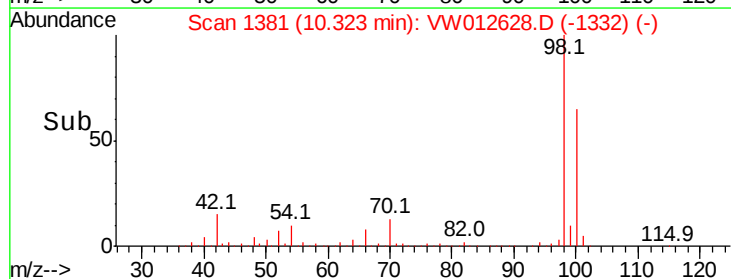
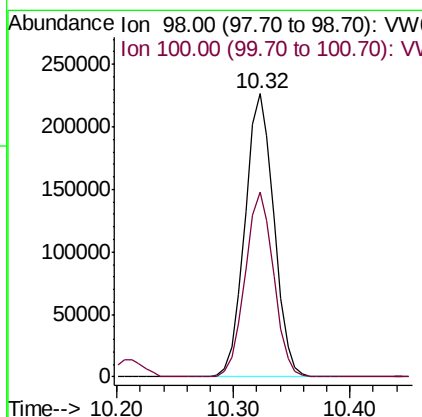
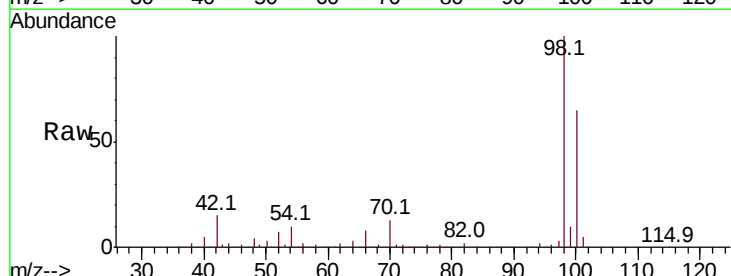
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

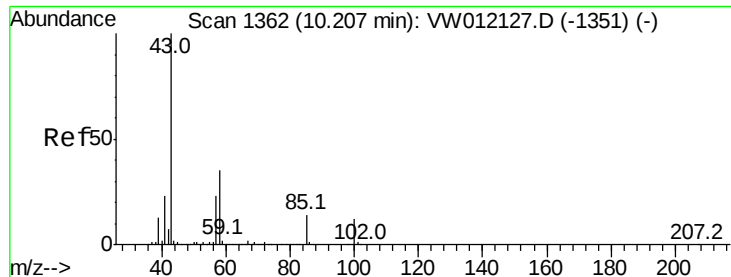
Tot Ion: 88 Resp: 7271
 Ion Ratio Lower Upper
 88 100
 43 0.0 32.9 49.3#
 58 88.0 71.0 106.4



#50
 Toluene-d8
 Concen: 55.820 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Tgt Ion: 98 Resp: 393950
 Ion Ratio Lower Upper
 98 100
 100 64.4 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 129.438 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

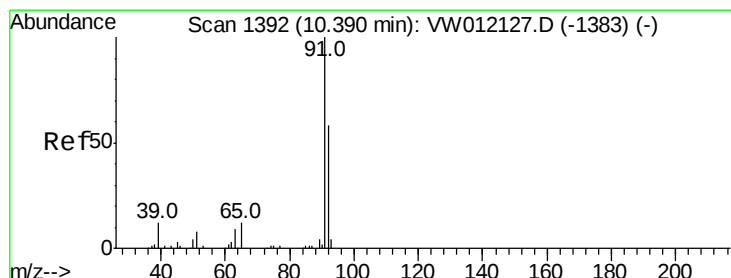
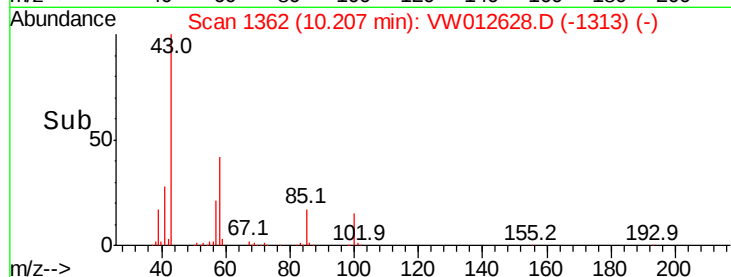
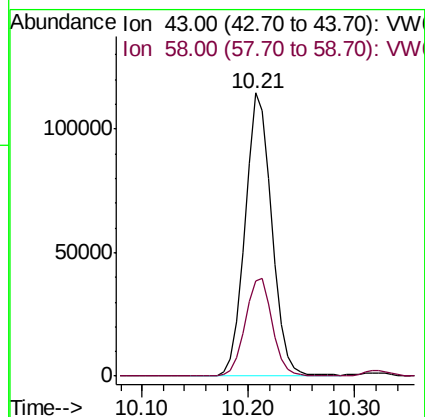
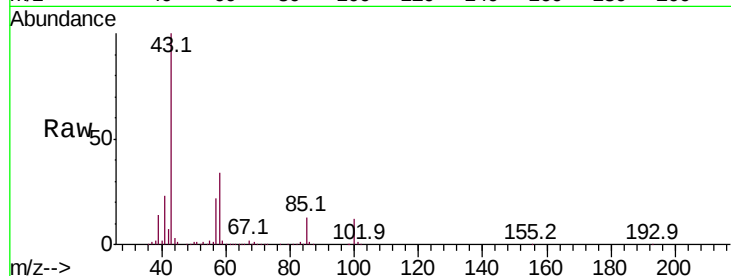
VW0904SBSD02

Tot Ion: 43 Resp: 201370

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 22.025 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012628.D

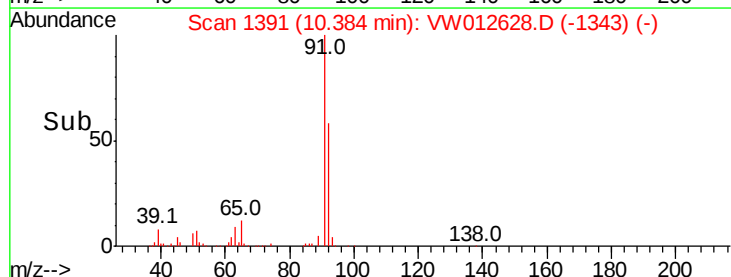
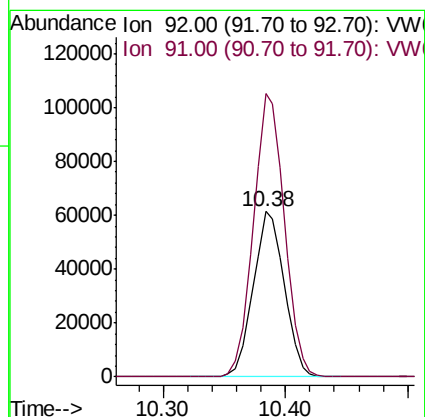
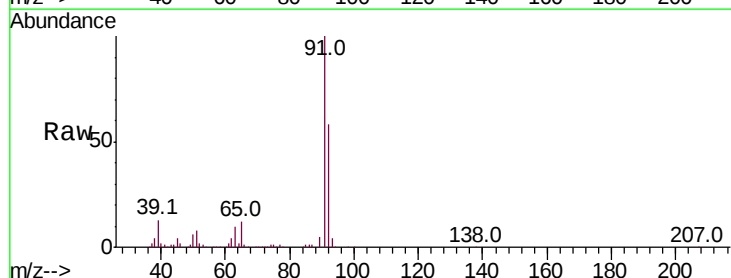
Acq: 05 Sep 2019 09:08

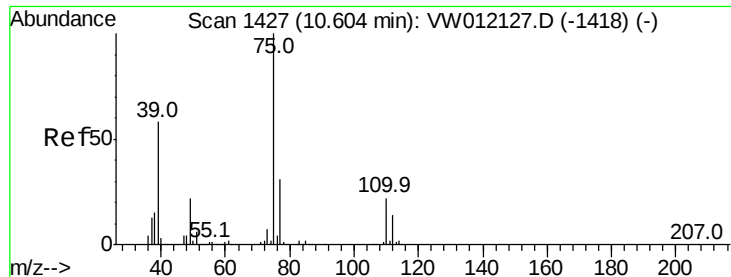
Tgt Ion: 92 Resp: 108870

Ion Ratio Lower Upper

92 100

91 170.0 136.6 204.8

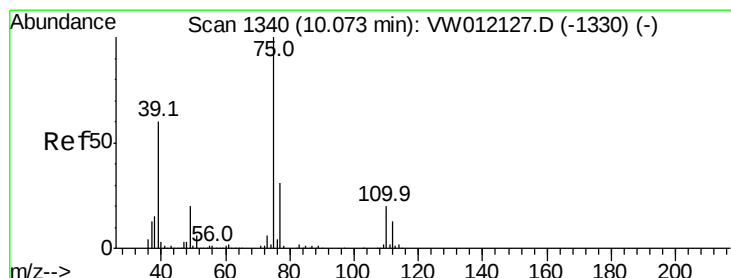
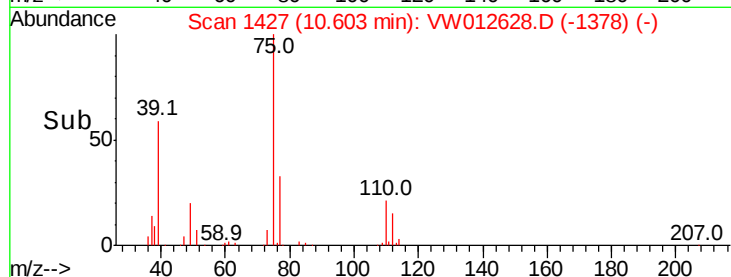
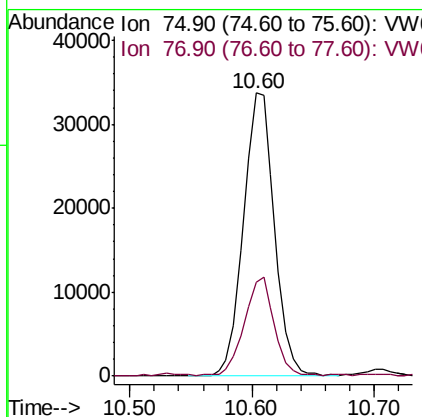
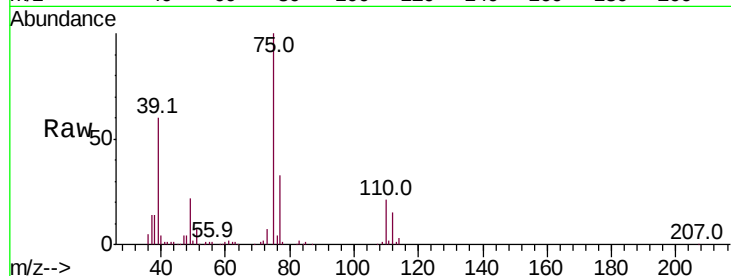




#53
 t-1,3-Dichloropropene
 Concen: 22.216 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

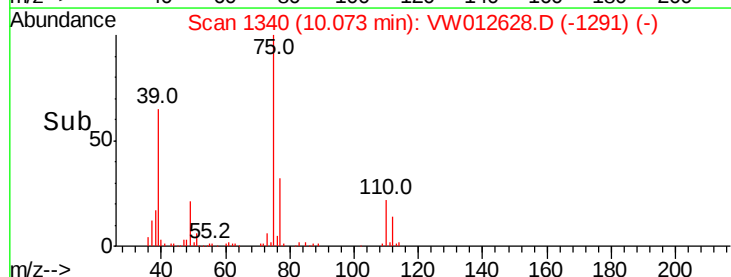
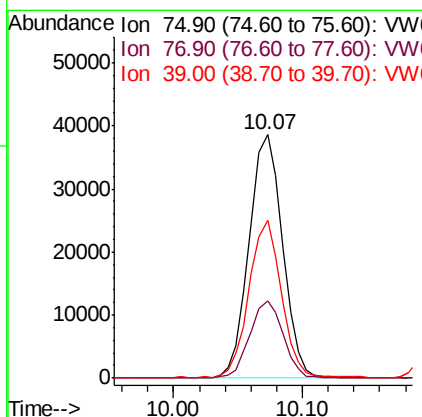
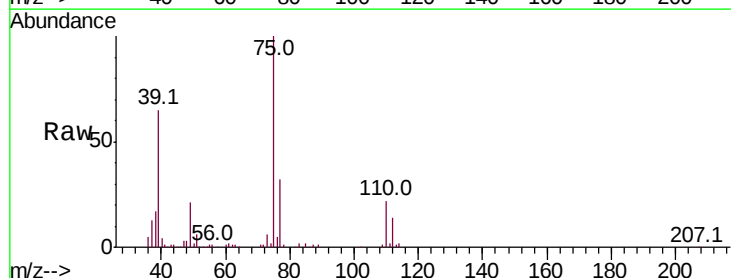
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

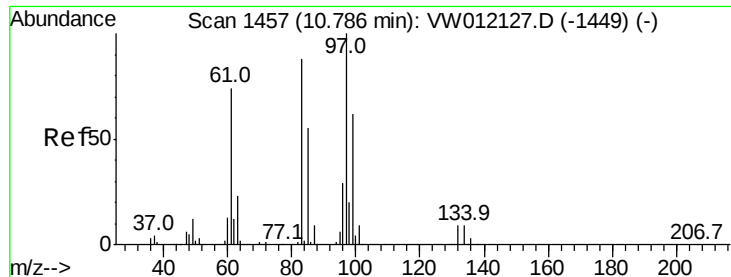
Tot Ion: 75 Resp: 59340
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.534 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Tgt Ion: 75 Resp: 69451
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7
 39 64.9 48.3 72.5



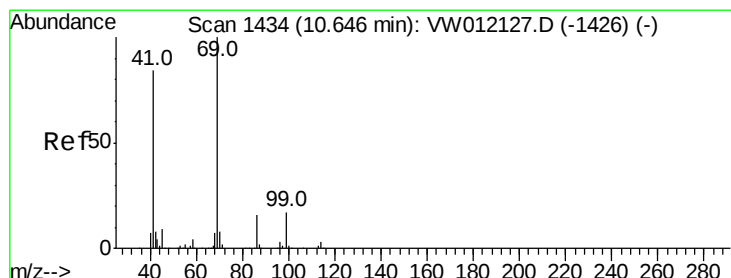
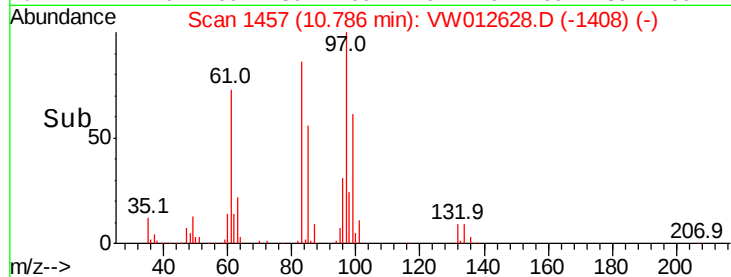
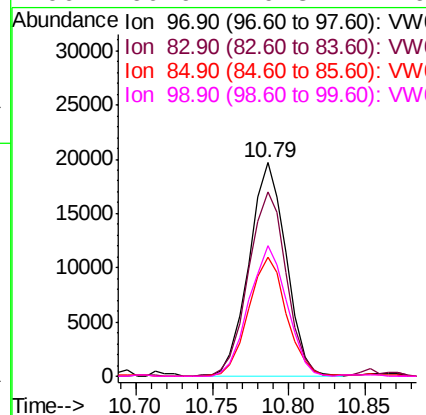
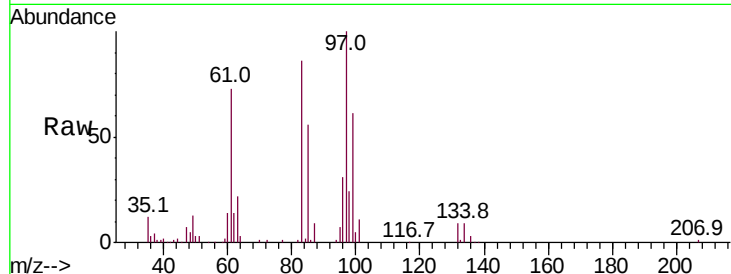


#55
1,1,2-Trichloroethane
Concen: 23.880 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion: 97 Resp: 33289

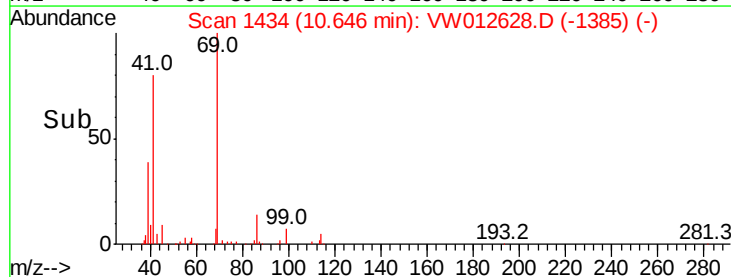
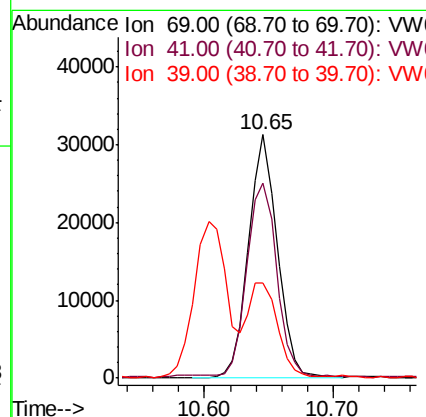
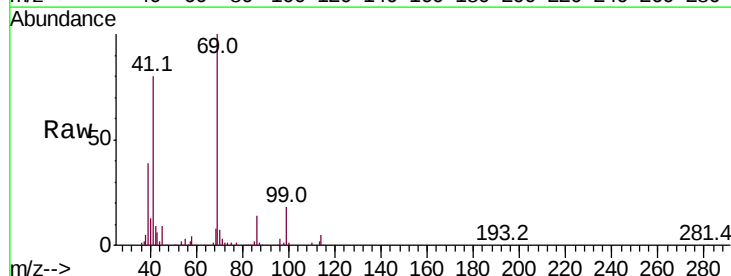
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.8	106.2
85	56.0	43.8	65.8
99	60.9	49.8	74.6

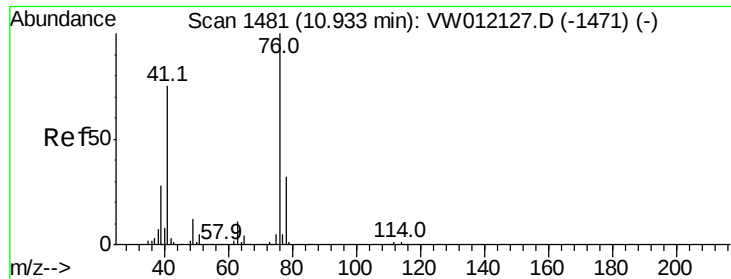


#56
Ethyl methacrylate
Concen: 23.841 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion: 69 Resp: 48370

Ion	Ratio	Lower	Upper
69	100		
41	82.2	66.5	99.7
39	39.1	31.0	46.4





#57

1,3-Dichloropropane

Concen: 23.884 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

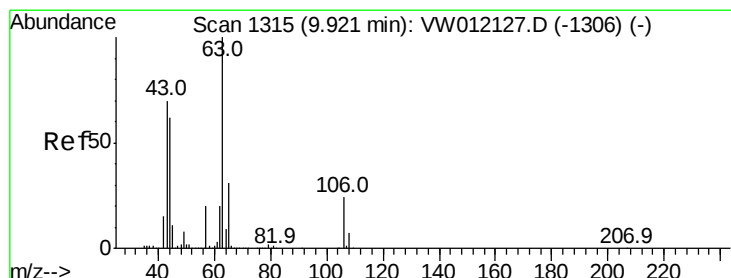
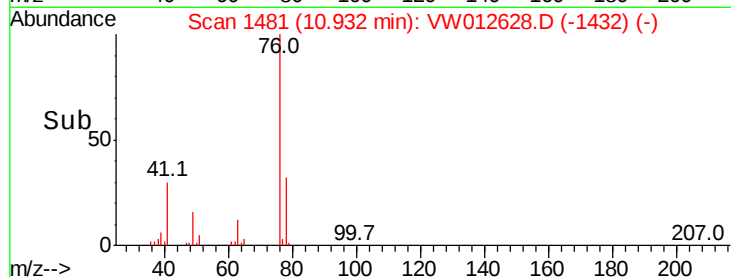
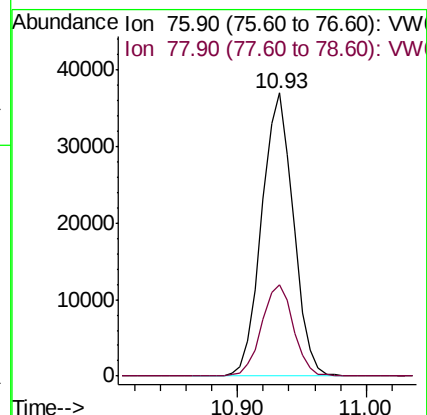
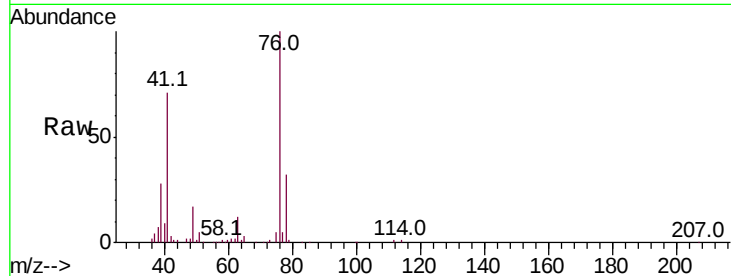
VW0904SBSD02

Tot Ion: 76 Resp: 62919

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 119.922 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012628.D

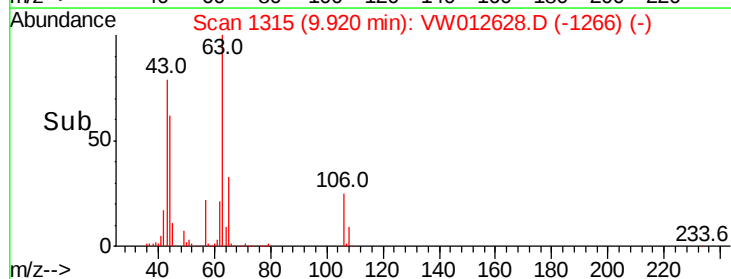
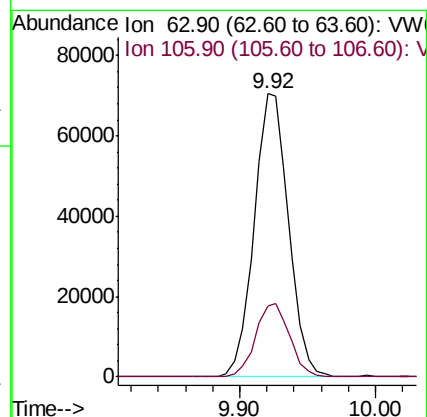
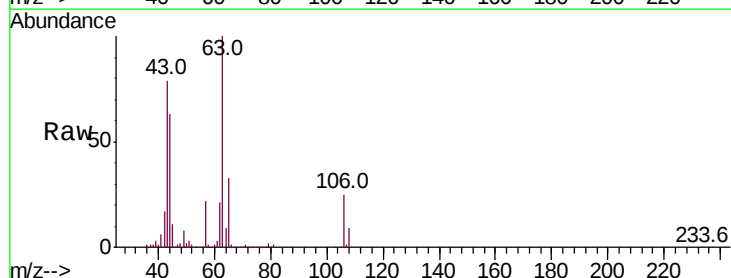
Acq: 05 Sep 2019 09:08

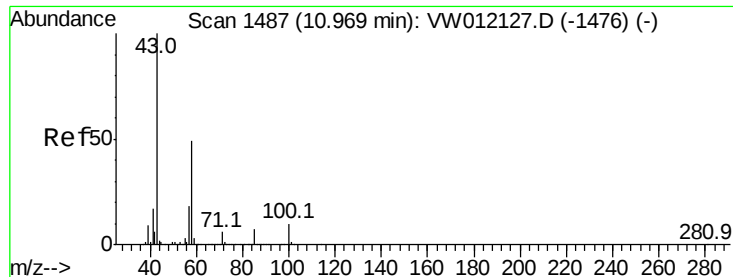
Tgt Ion: 63 Resp: 124870

Ion Ratio Lower Upper

63 100

106 25.5 19.8 29.8

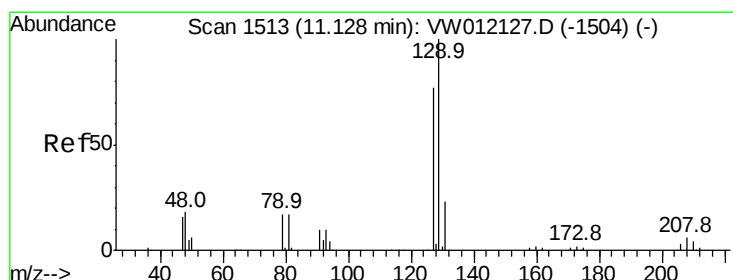
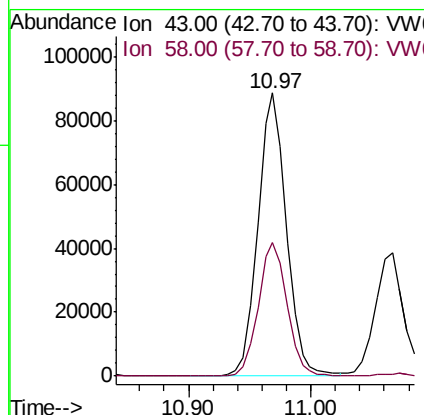
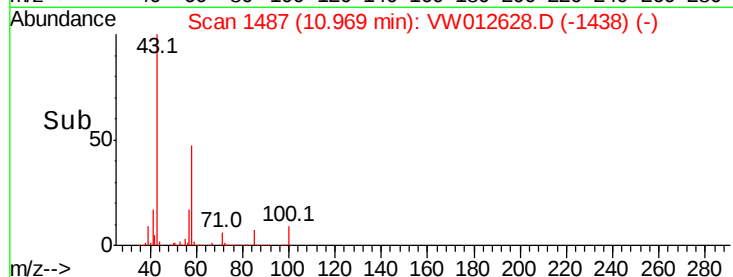
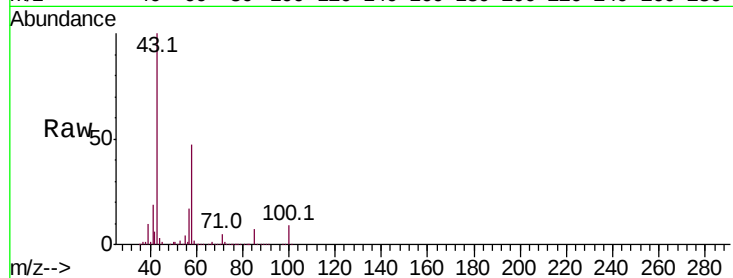




#59
2-Hexanone
Concen: 130.677 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

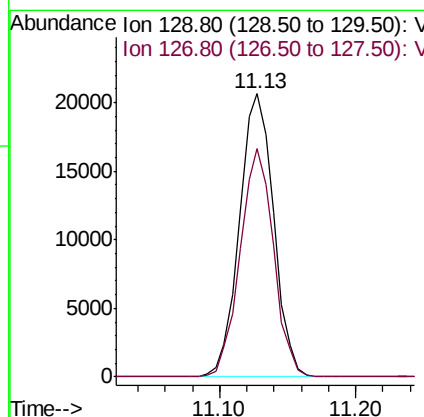
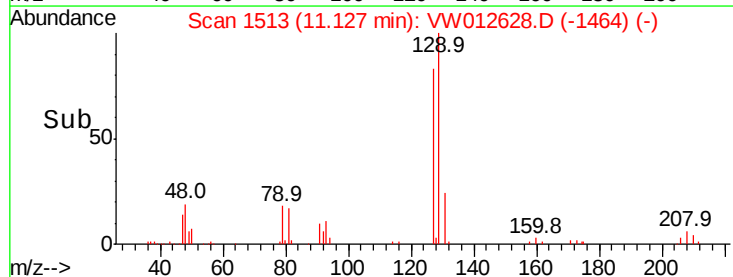
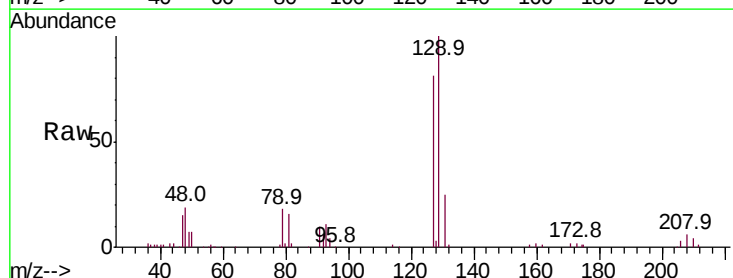
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

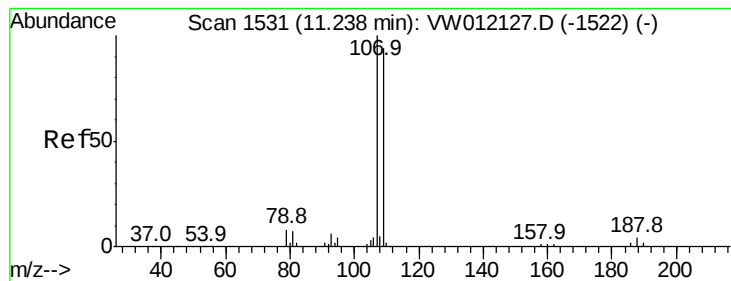
Tot Ion: 43 Resp: 143846
Ion Ratio Lower Upper
43 100
58 47.9 24.3 72.9



#60
Dibromochloromethane
Concen: 23.398 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion: 129 Resp: 36330
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 23.874 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

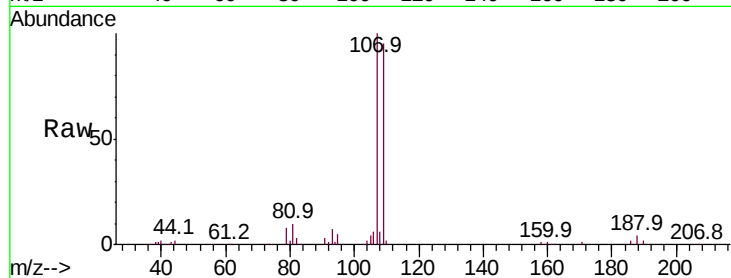
VW0904SBSD02

Tot Ion:107 Resp: 31005

Ion Ratio Lower Upper

107 100

109 96.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

20000 Ion 108.80 (108.50 to 109.50): V

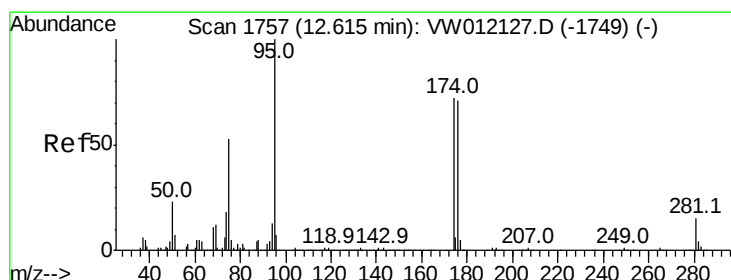
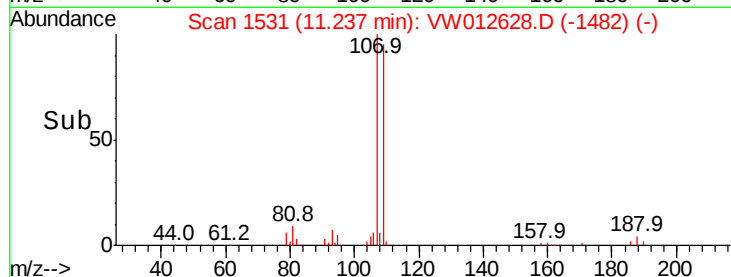
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 57.380 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

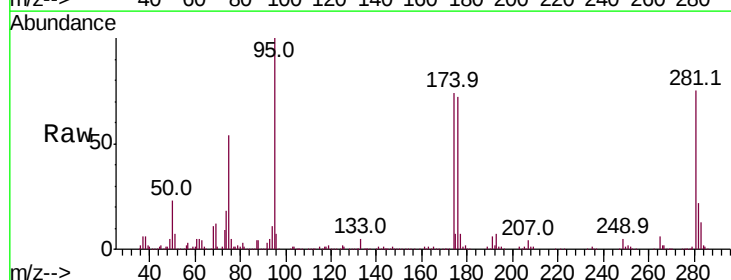
Tgt Ion: 95 Resp: 142746

Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.8

176 75.9 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

120000 Ion 173.80 (173.50 to 174.50): V

100000 Ion 175.80 (175.50 to 176.50): V

80000

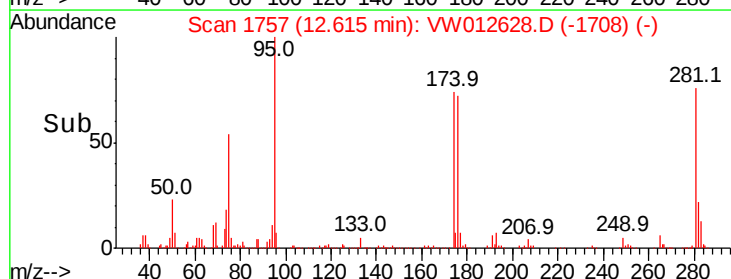
60000

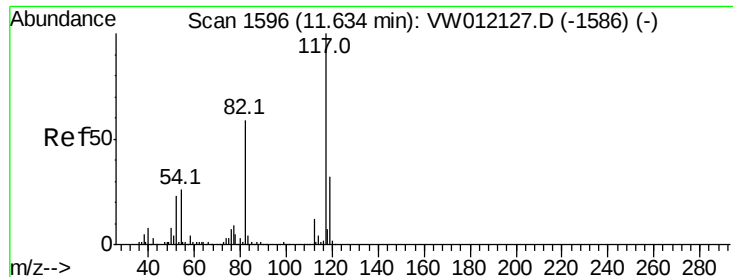
40000

20000

0

Time-->

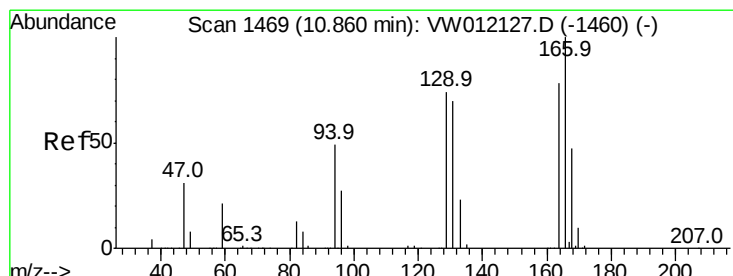
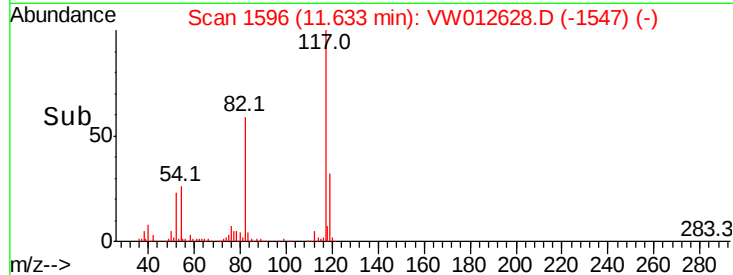
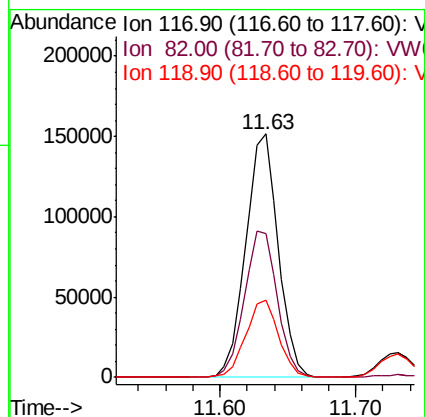
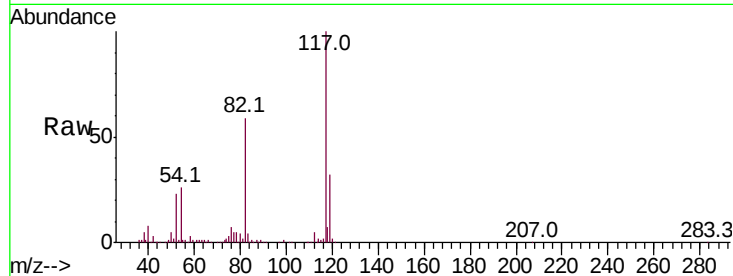




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

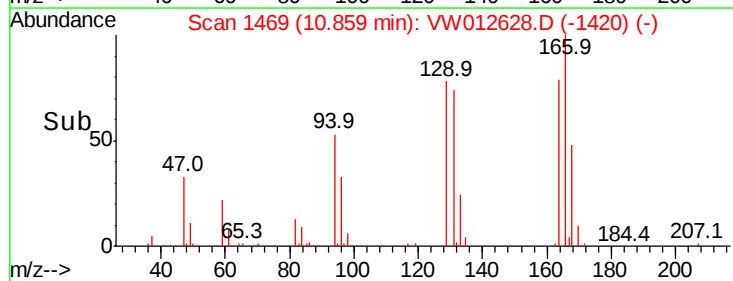
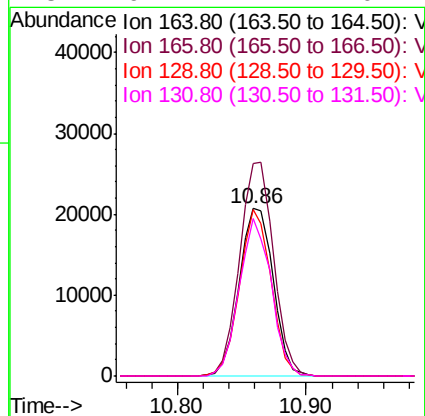
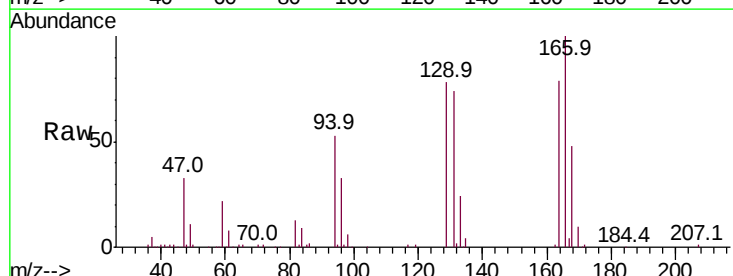
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

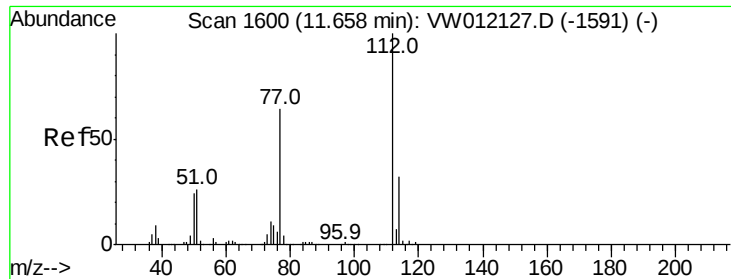
Tot Ion:117 Resp: 252784
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 23.015 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion:164 Resp: 37719
Ion Ratio Lower Upper
164 100
166 126.7 102.4 153.6
129 99.1 75.8 113.6
131 94.2 71.4 107.2

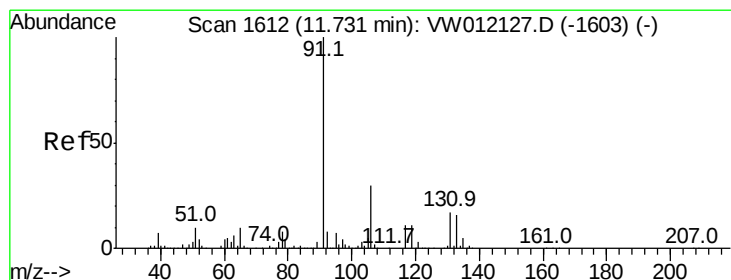
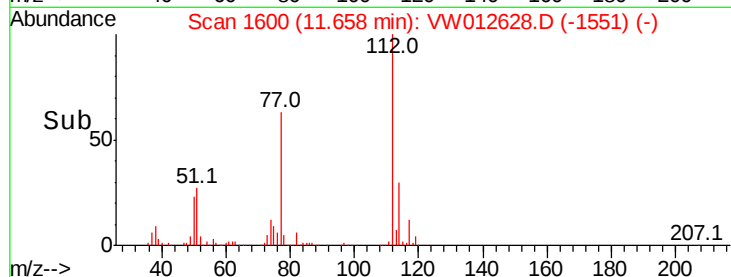
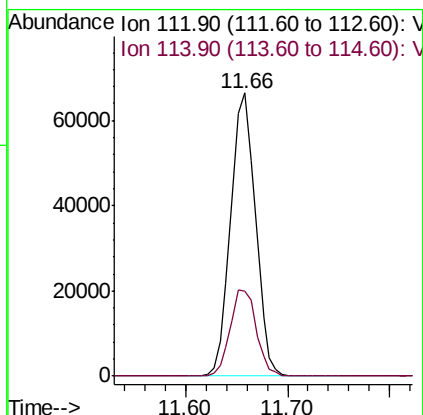
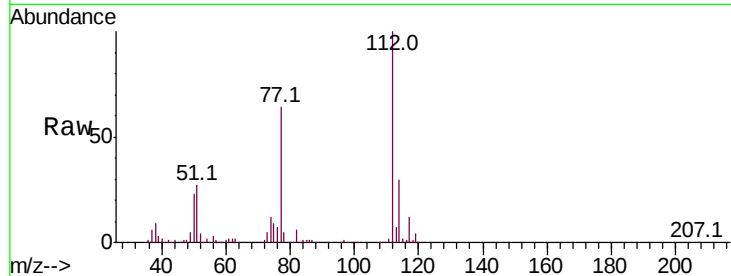




#65
Chlorobenzene
Concen: 22.425 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

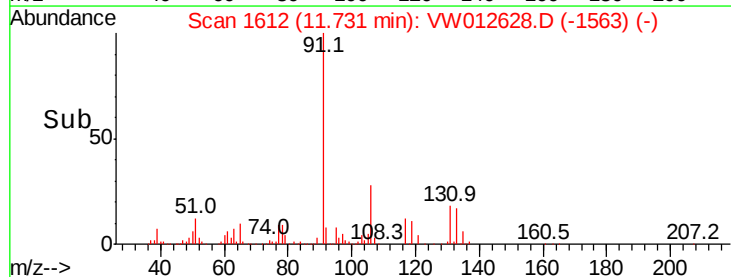
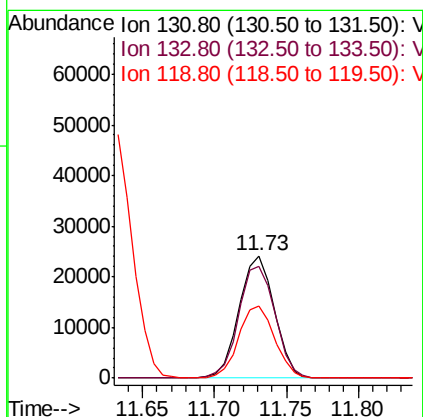
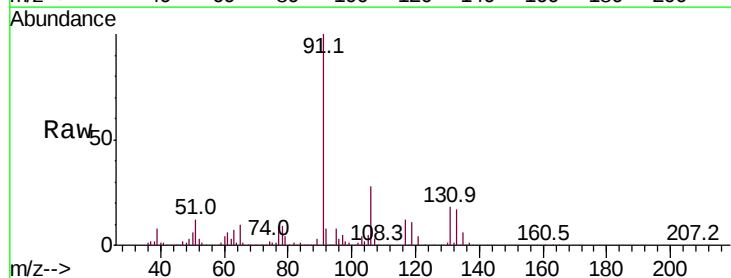
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

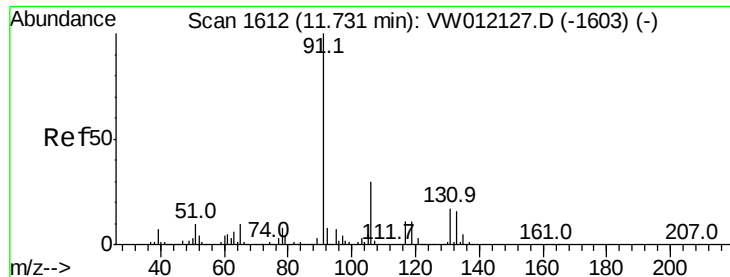
Tot Ion:112 Resp: 111621
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 23.574 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion:131 Resp: 40936
Ion Ratio Lower Upper
131 100
133 94.6 47.1 141.3
119 60.5 31.8 95.3

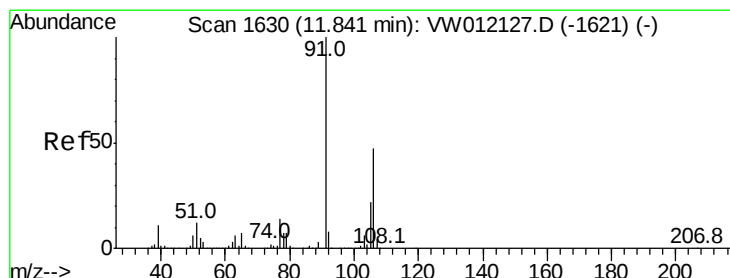
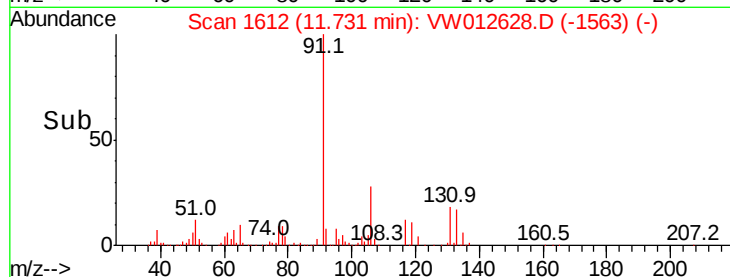
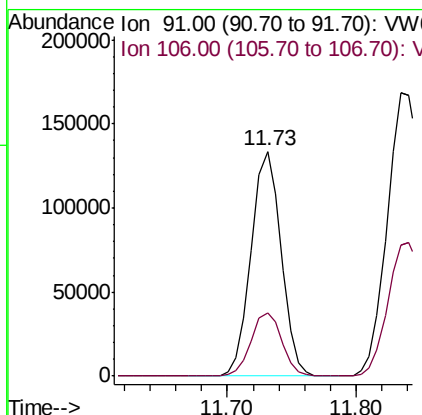
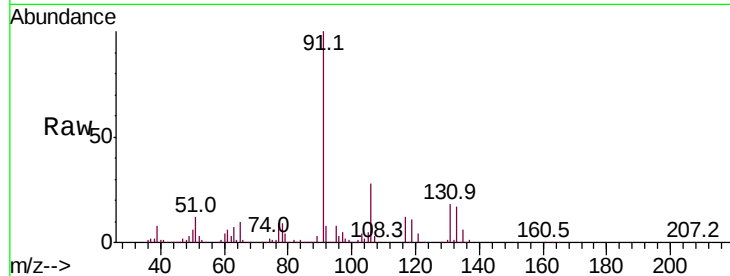




#67
Ethyl Benzene
Concen: 22.397 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

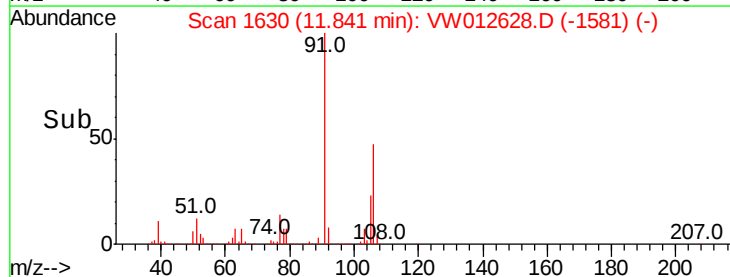
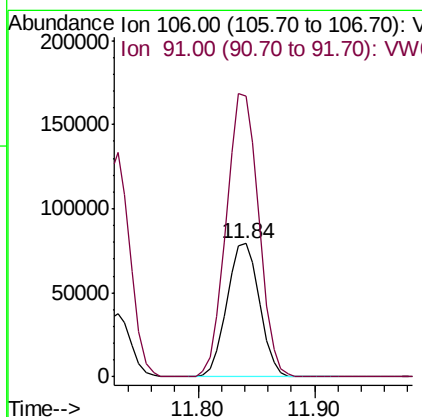
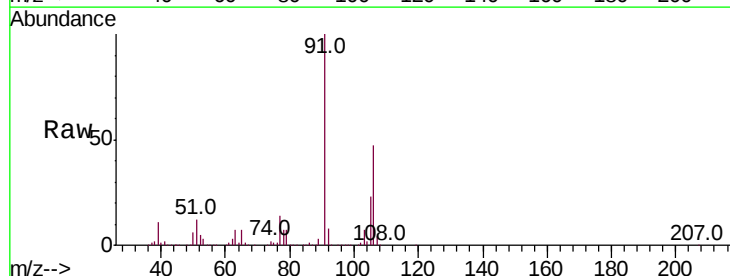
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

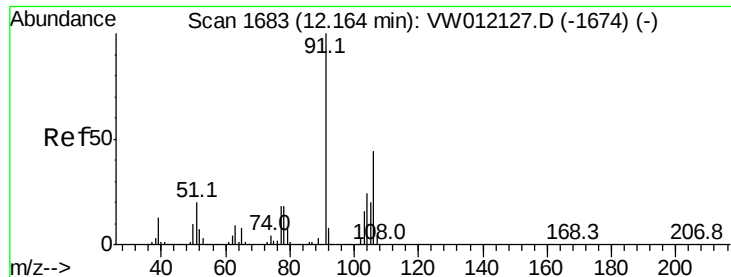
Tot Ion: 91 Resp: 214754
Ion Ratio Lower Upper
91 100
106 28.3 24.3 36.5



#68
m/p-Xylenes
Concen: 44.612 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion: 106 Resp: 154082
Ion Ratio Lower Upper
106 100
91 211.6 169.5 254.3

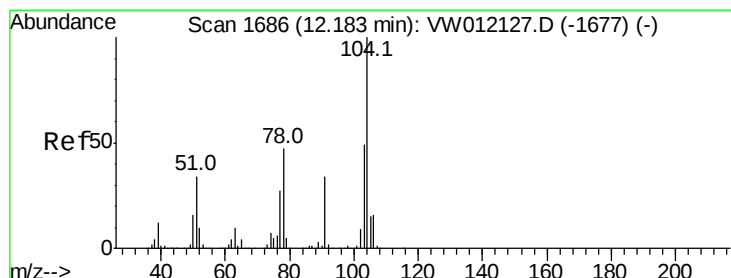
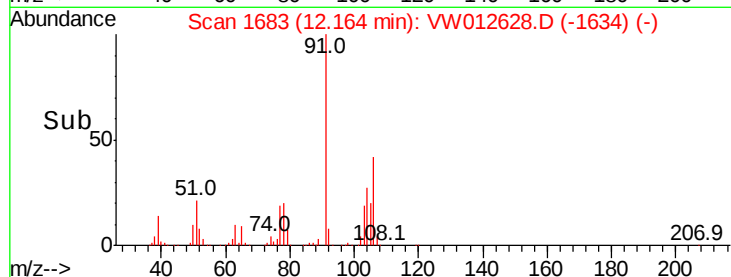
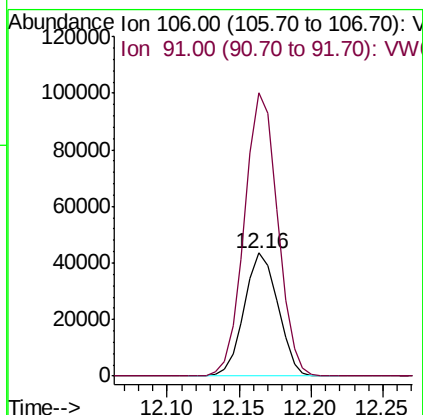
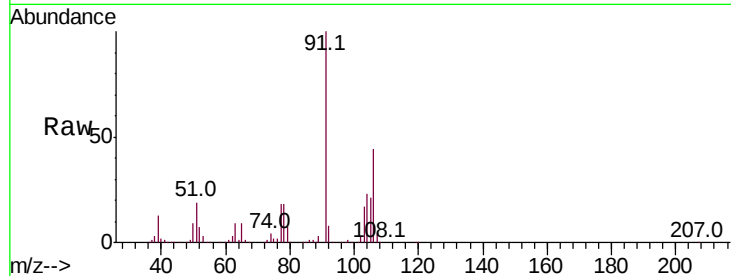




#69
o-Xylene
Concen: 22.090 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

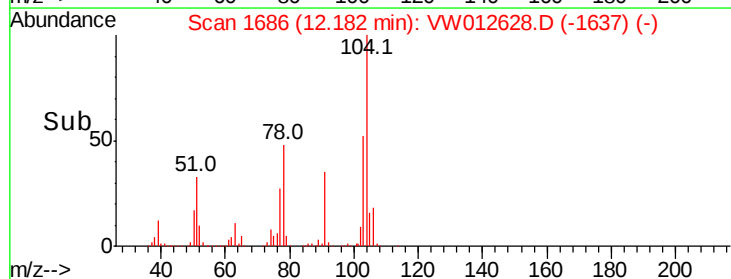
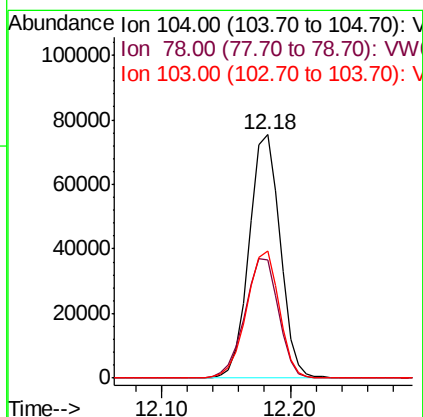
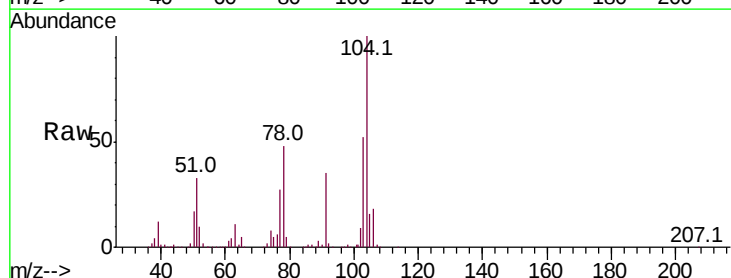
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

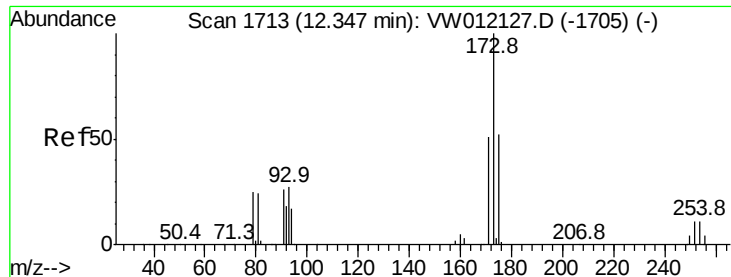
Tot Ion:106 Resp: 70615
Ion Ratio Lower Upper
106 100
91 226.4 111.6 334.6



#70
Styrene
Concen: 22.571 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion:104 Resp: 124886
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 54.9 43.5 65.3

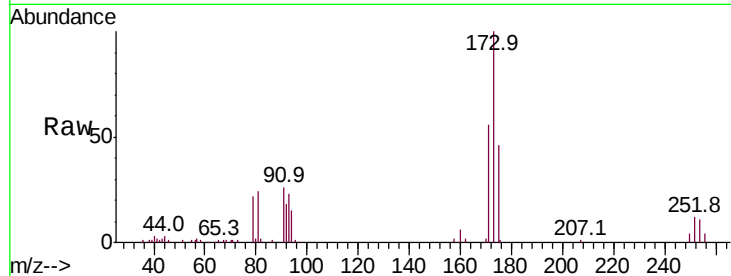




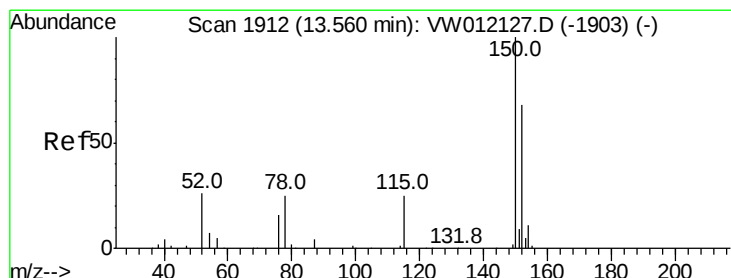
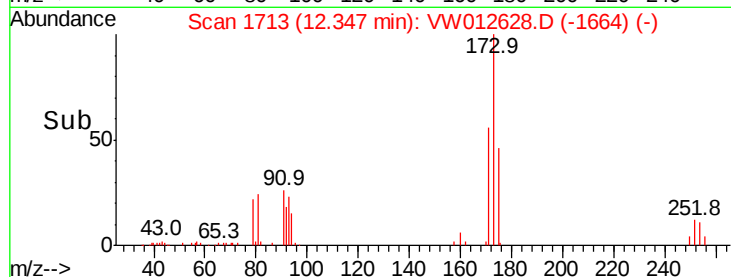
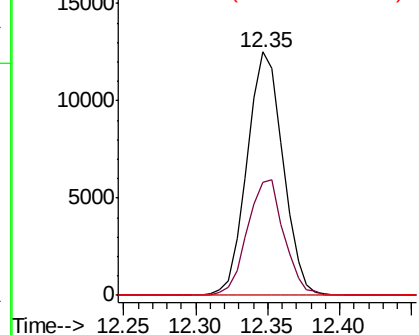
#71
Bromoform
Concen: 24.910 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion:173 Resp: 21551
Ion Ratio Lower Upper
173 100
175 48.2 24.6 74.0
254 0.0 0.2 0.2#

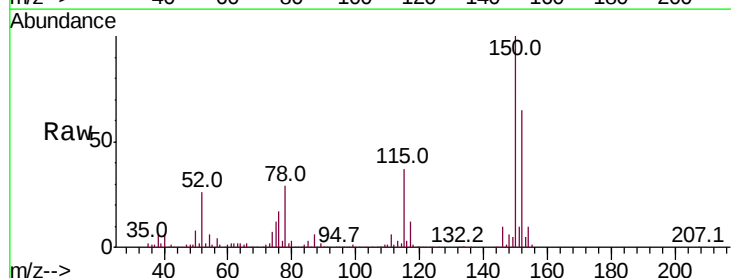


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

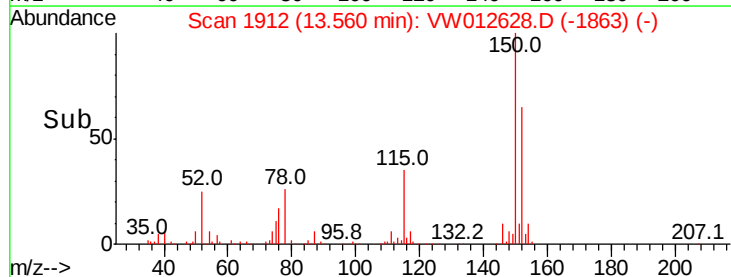
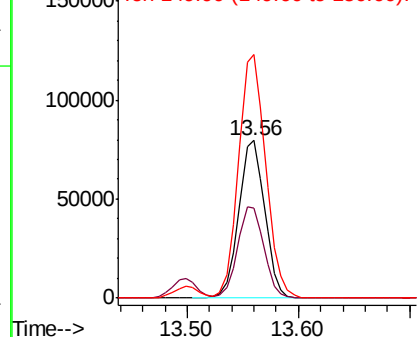


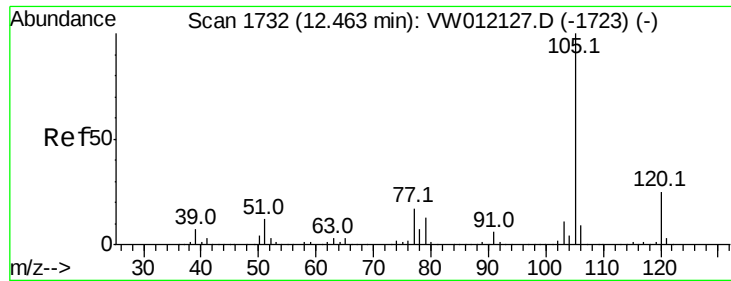
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion:152 Resp: 127888
Ion Ratio Lower Upper
152 100
115 58.8 30.1 90.3
150 162.1 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: 21.541 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

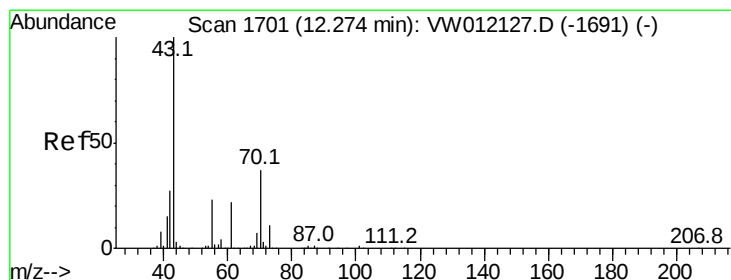
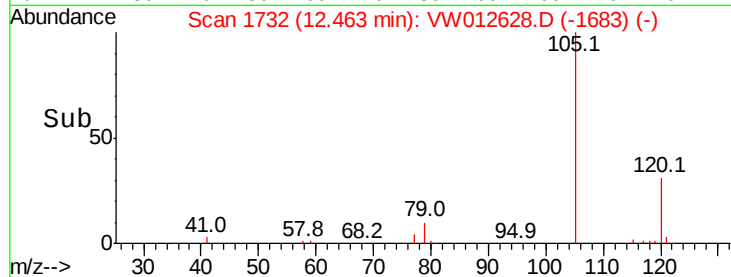
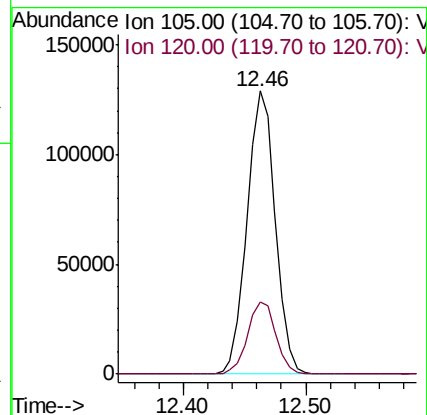
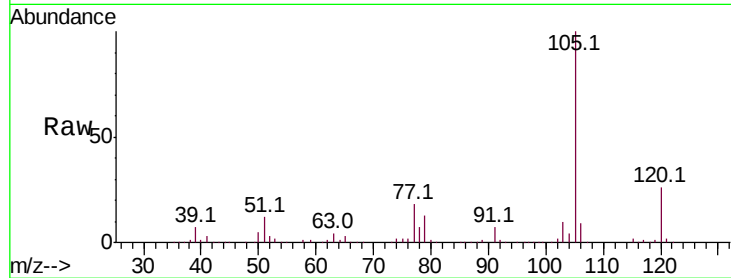
VW0904SBSD02

Tot Ion:105 Resp: 206424

Ion Ratio Lower Upper

105 100

120 25.7 12.5 37.5



#74

N-ethyl acetate

Concen: 22.488 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Tgt Ion: 43 Resp: 65109

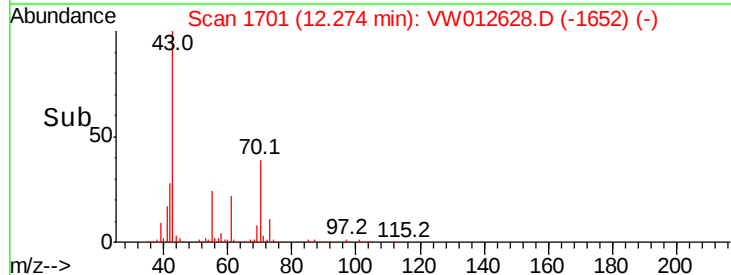
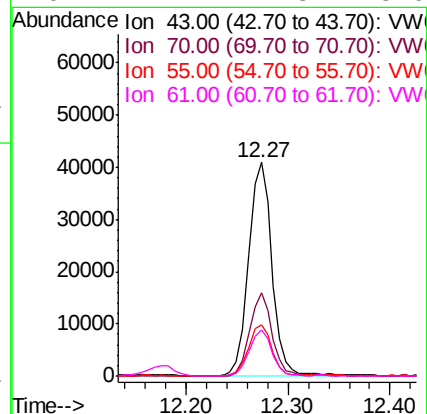
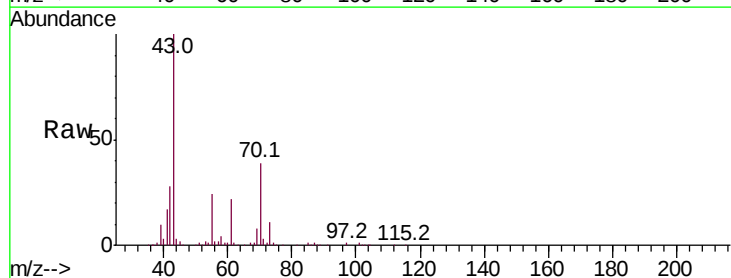
Ion Ratio Lower Upper

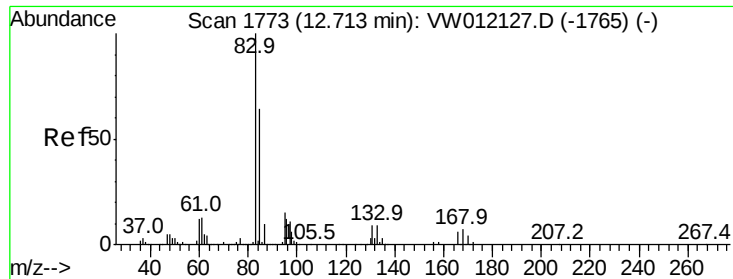
43 100

70 37.0 28.6 43.0

55 24.4 17.8 26.6

61 21.2 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.806 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

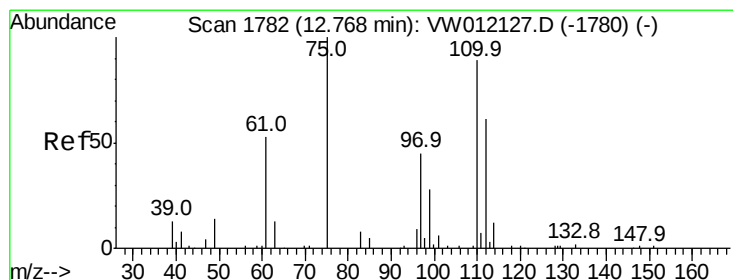
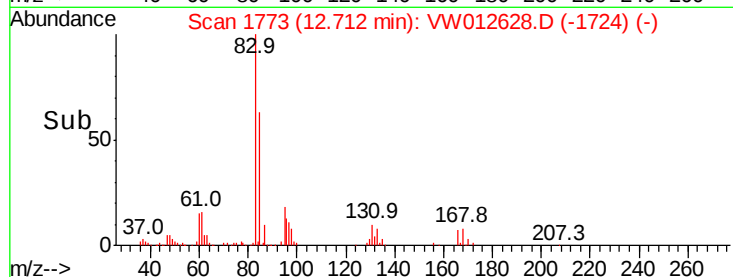
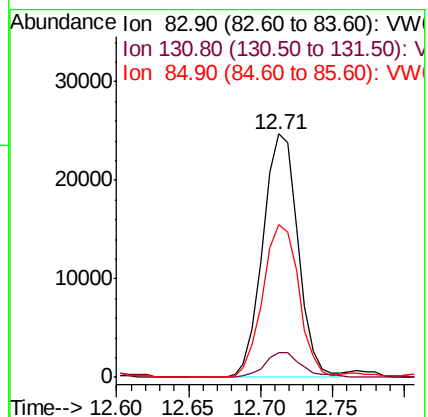
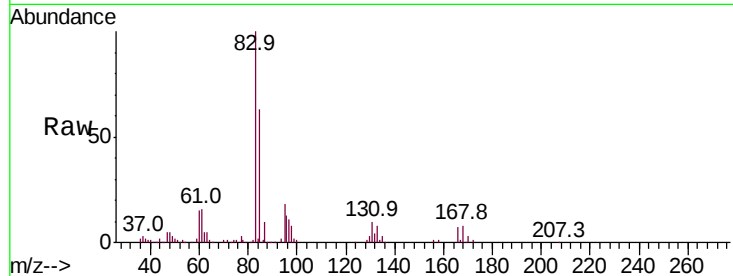
Tot Ion: 83 Resp: 41823

Ion Ratio Lower Upper

83 100

131 10.7 4.9 14.7

85 64.6 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 24.427 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012628.D

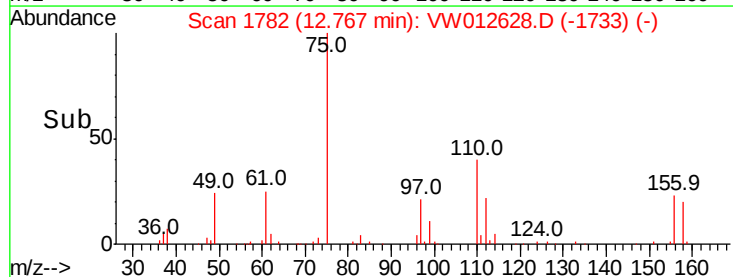
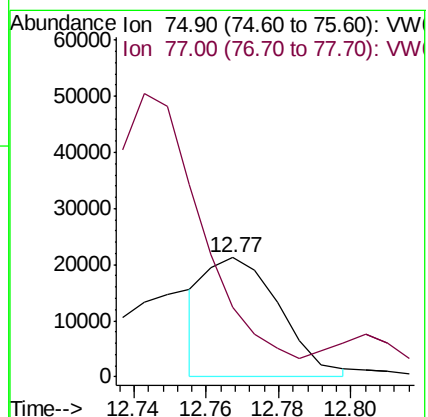
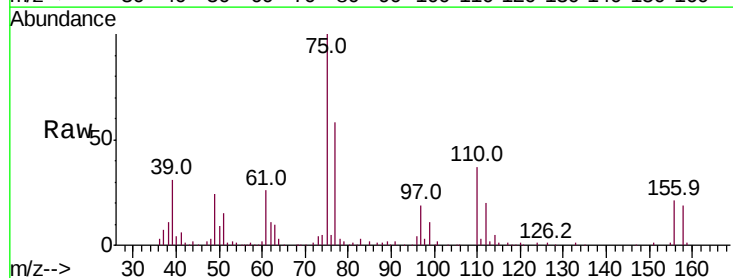
Acq: 05 Sep 2019 09:08

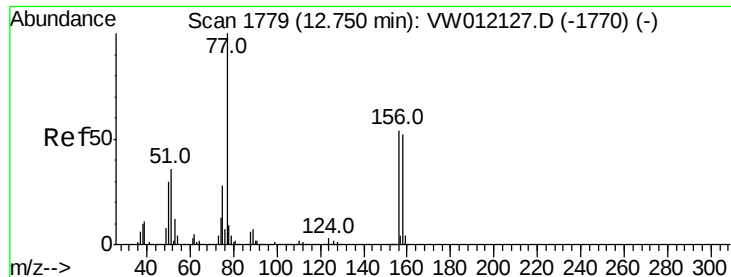
Tgt Ion: 75 Resp: 30425

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

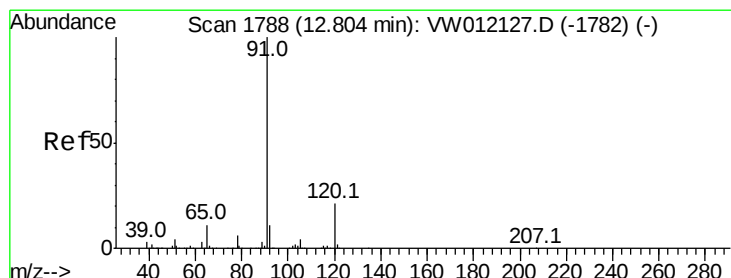
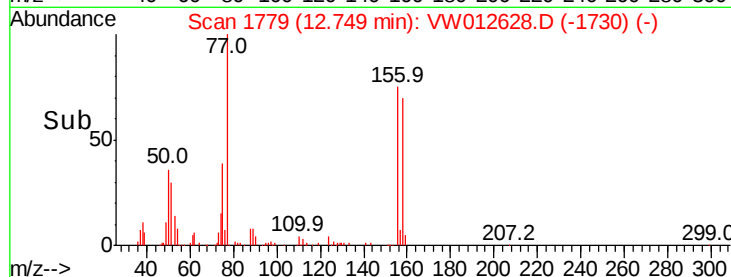
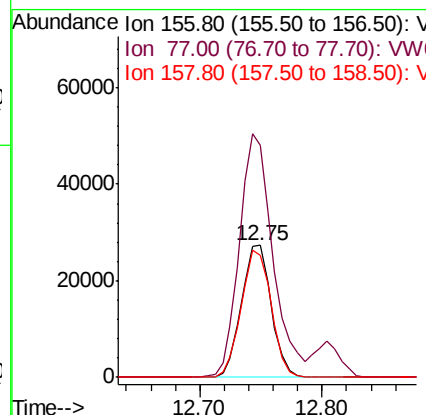
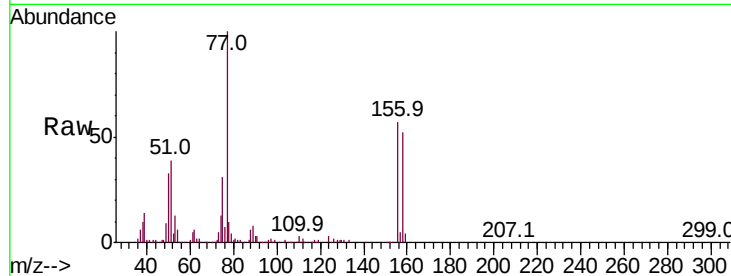




#77
Bromobenzene
Concen: 22.263 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

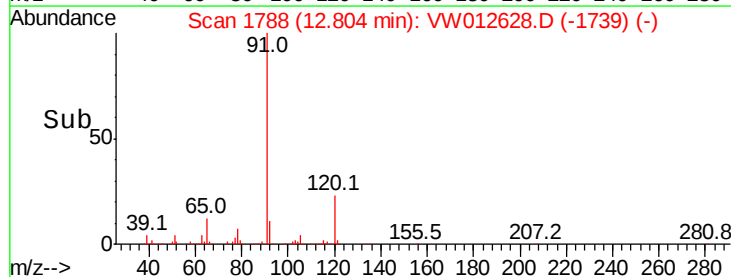
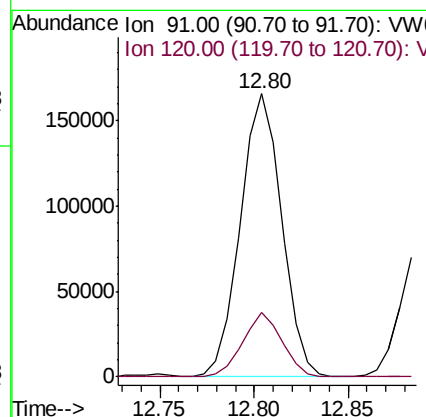
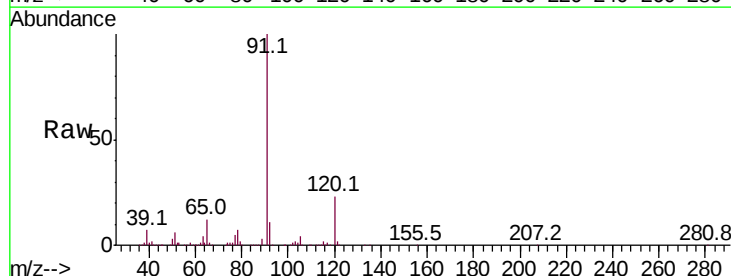
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

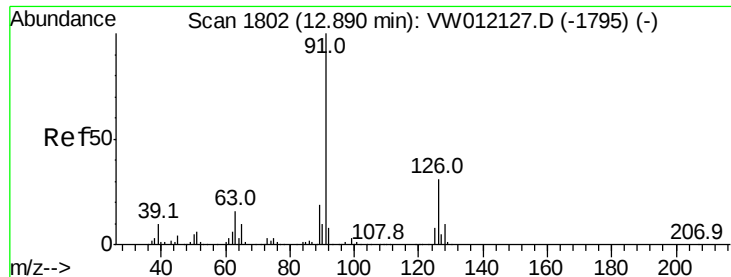
Tot Ion:156 Resp: 46154
Ion Ratio Lower Upper
156 100
77 206.8 107.3 321.8
158 96.5 49.0 147.0



#78
n-propylbenzene
Concen: 21.544 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion: 91 Resp: 252036
Ion Ratio Lower Upper
91 100
120 21.8 10.5 31.6





#79

2-Chlorotoluene

Concen: 21.508 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

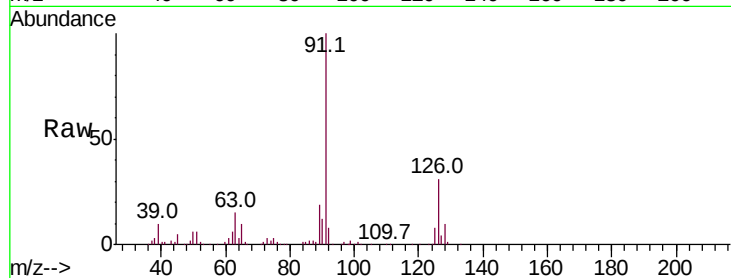
VW0904SBSD02

Tot Ion: 91 Resp: 142852

Ion Ratio Lower Upper

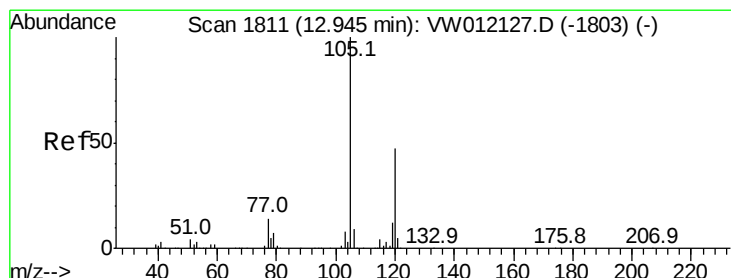
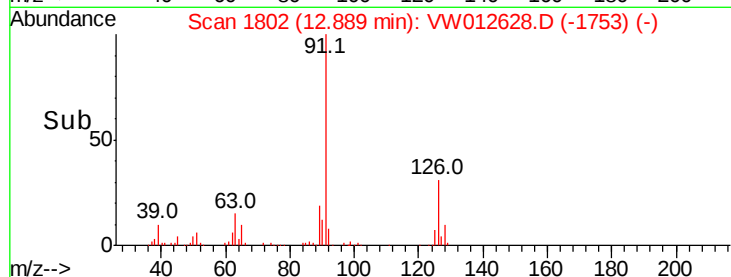
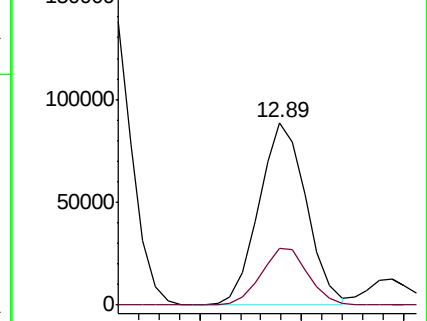
91 100

126 31.2 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: 22.284 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012628.D

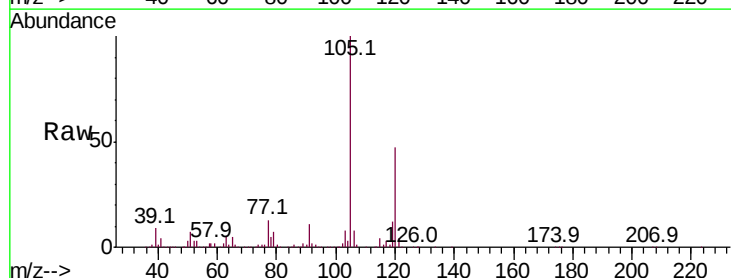
Acq: 05 Sep 2019 09:08

Tgt Ion:105 Resp: 178440

Ion Ratio Lower Upper

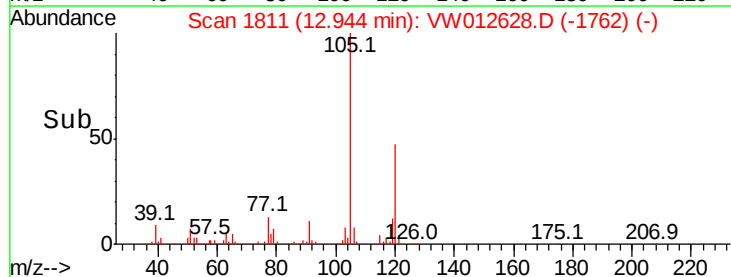
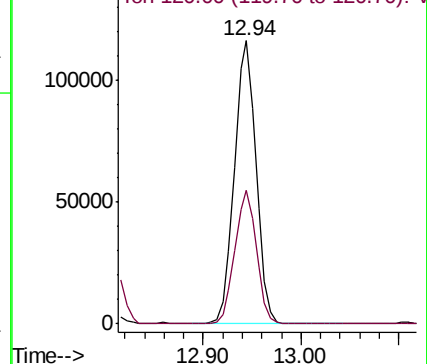
105 100

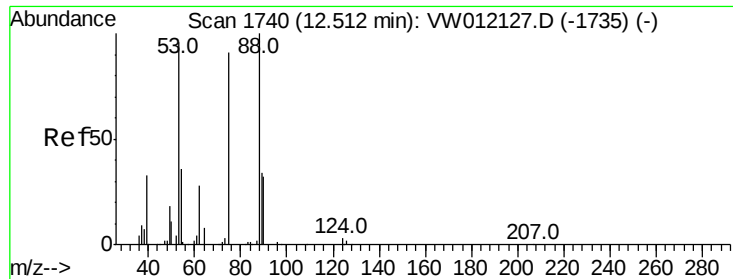
120 47.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

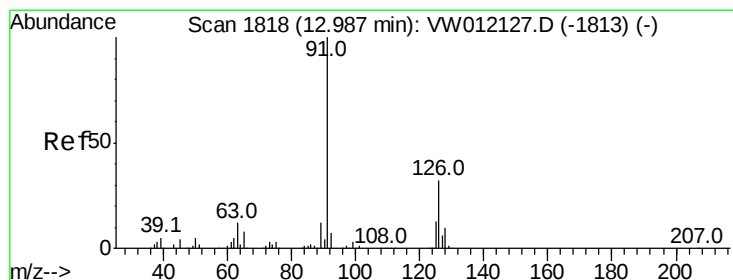
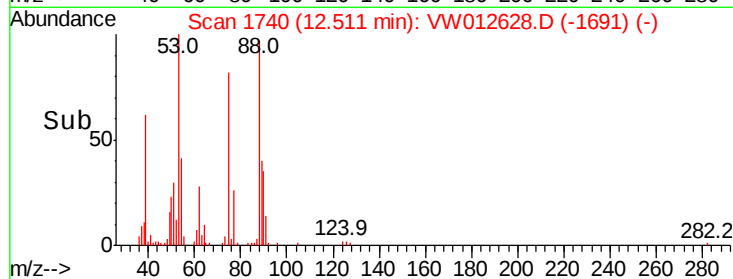
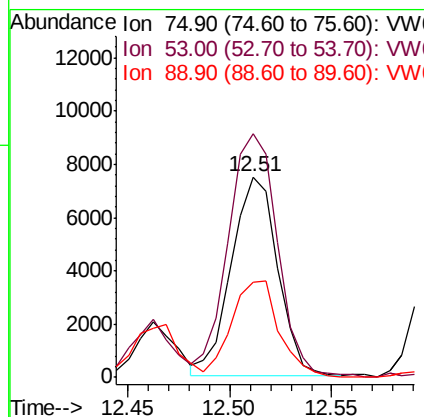
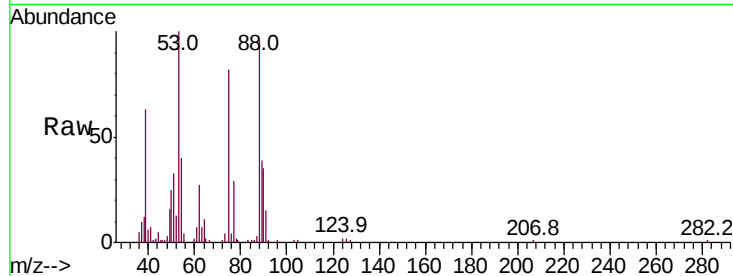




#81
trans-1,4-Dichloro-2-butene
Concen: 20.830 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

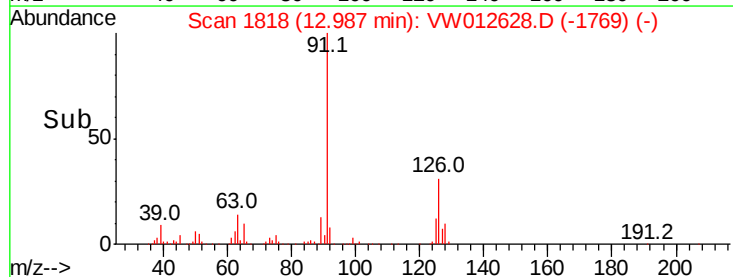
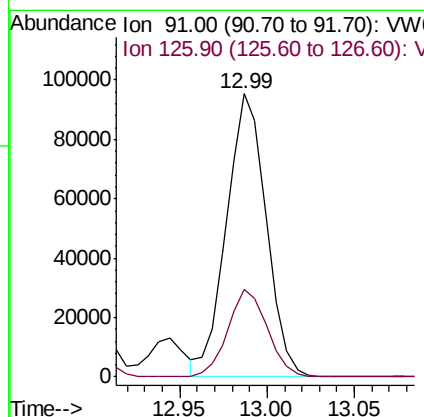
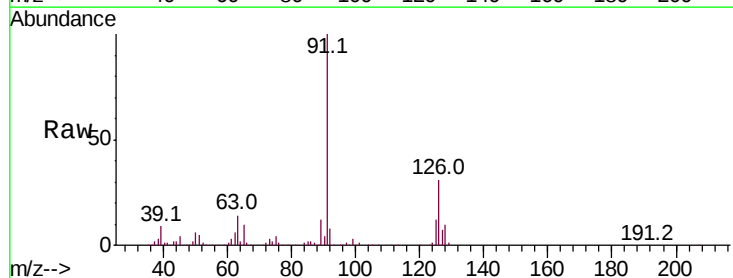
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

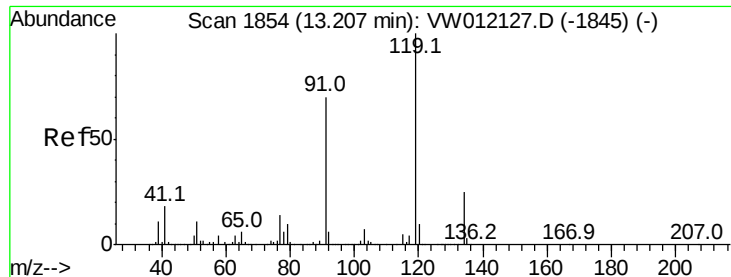
Tot Ion: 75 Resp: 11833
Ion Ratio Lower Upper
75 100
53 130.9 89.4 134.0
89 49.8 34.5 51.7



#82
4-Chlorotoluene
Concen: 21.529 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion: 91 Resp: 149721
Ion Ratio Lower Upper
91 100
126 30.9 15.6 46.8





#83

tert-Butylbenzene

Concen: 22.128 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

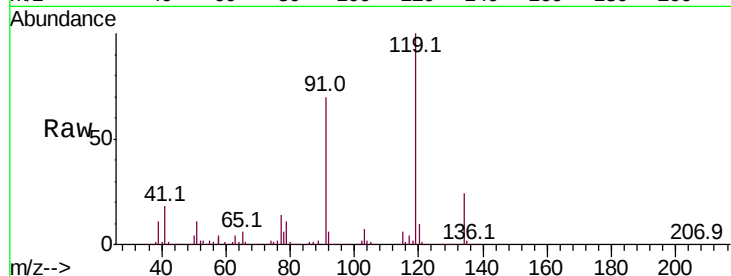
Tot Ion:119 Resp: 150094

Ion Ratio Lower Upper

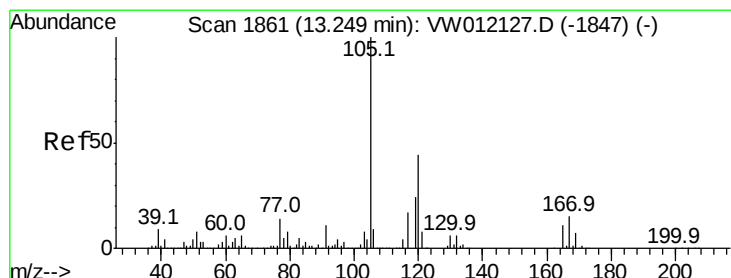
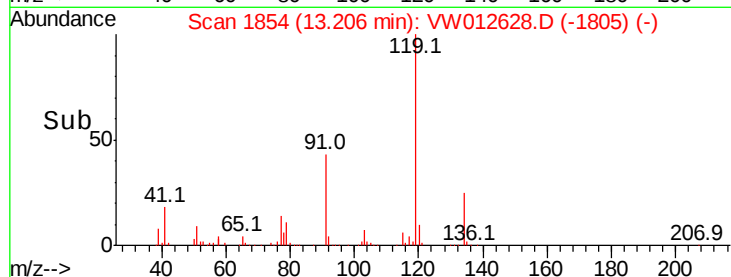
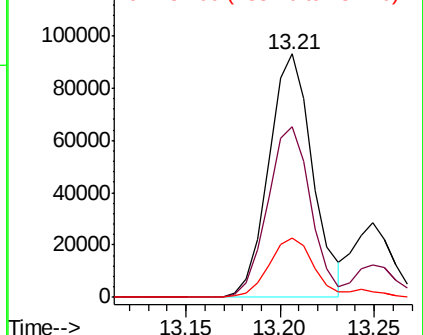
119 100

91 69.0 34.8 104.3

134 24.9 13.3 39.8



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



#84

1,2,4-Trimethylbenzene

Concen: 21.657 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012628.D

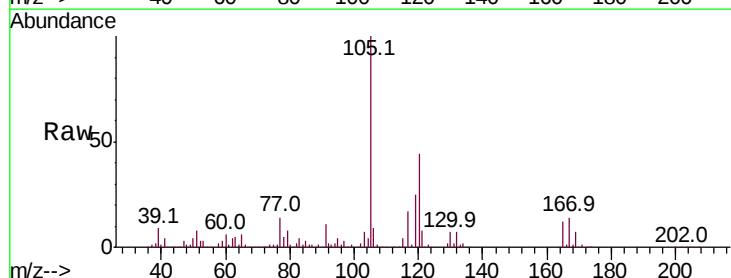
Acq: 05 Sep 2019 09:08

Tgt Ion:105 Resp: 174201

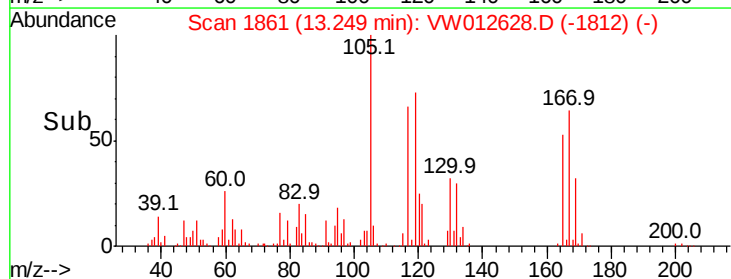
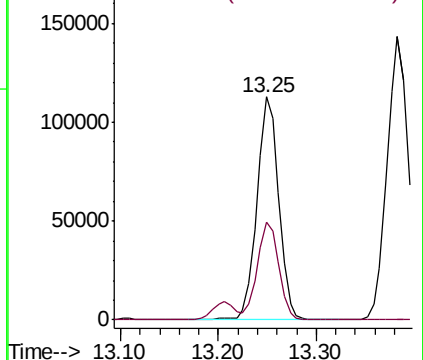
Ion Ratio Lower Upper

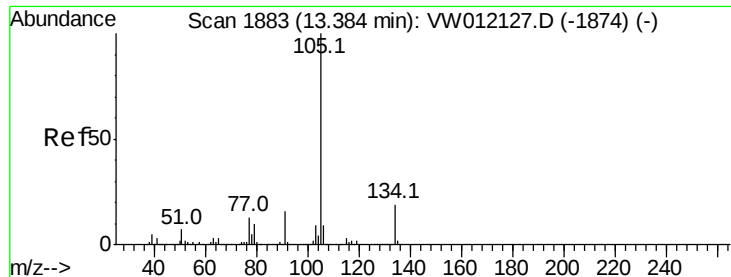
105 100

120 42.8 21.9 65.7



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





#85

sec-Butylbenzene

Concen: 22.182 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

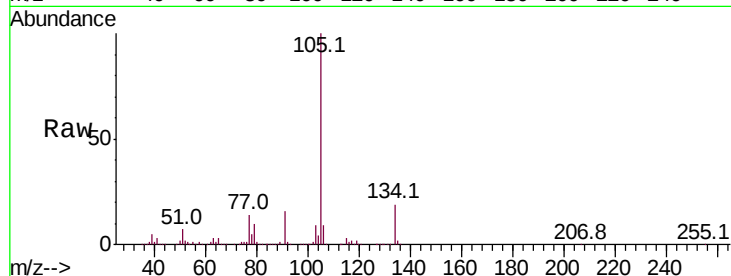
VW0904SBSD02

Tot Ion:105 Resp: 215564

Ion Ratio Lower Upper

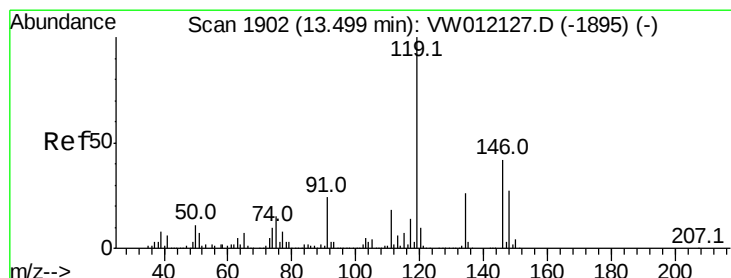
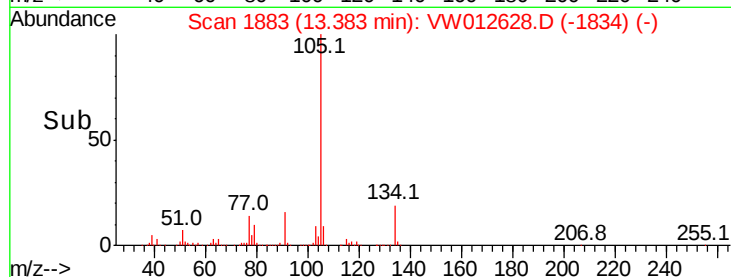
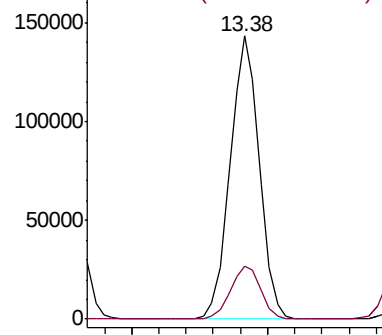
105 100

134 19.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.137 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

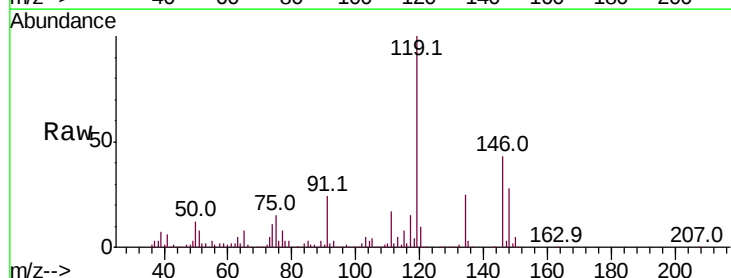
Tgt Ion:119 Resp: 192118

Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.3

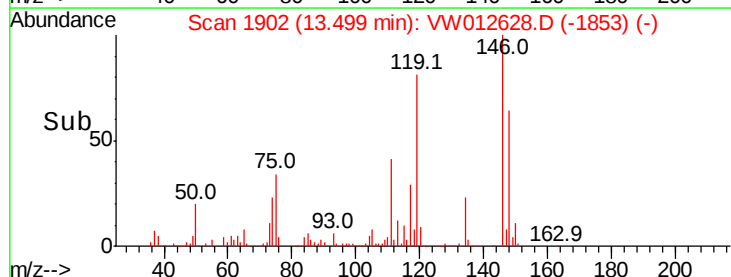
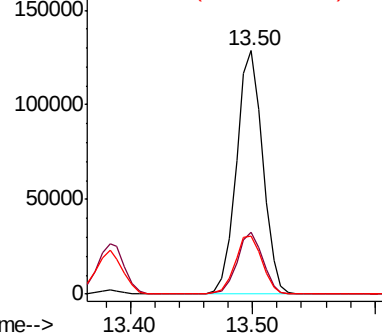
91 24.8 12.3 36.9

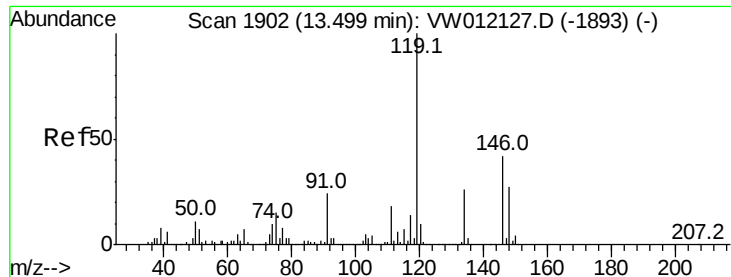


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

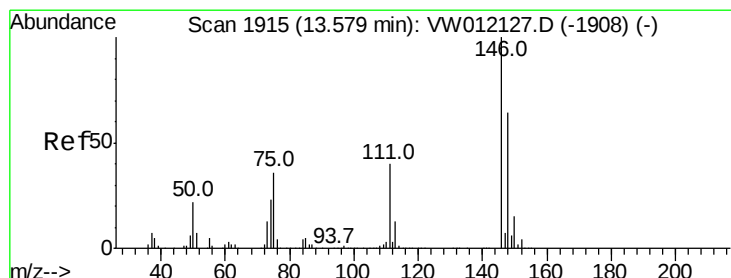
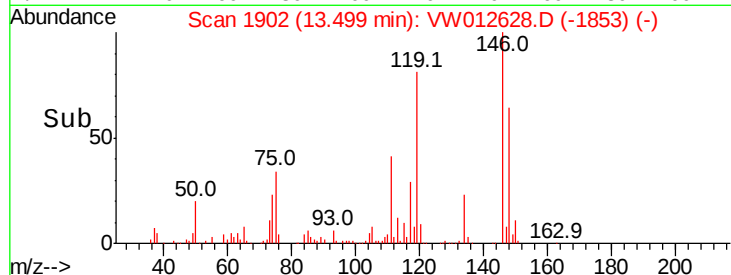
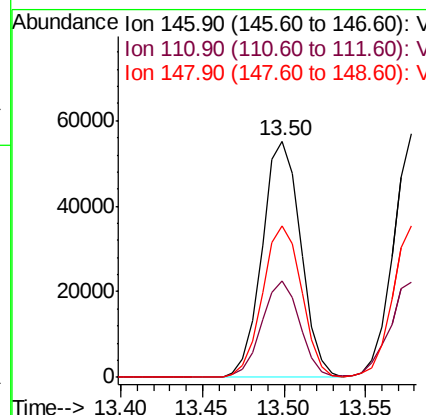
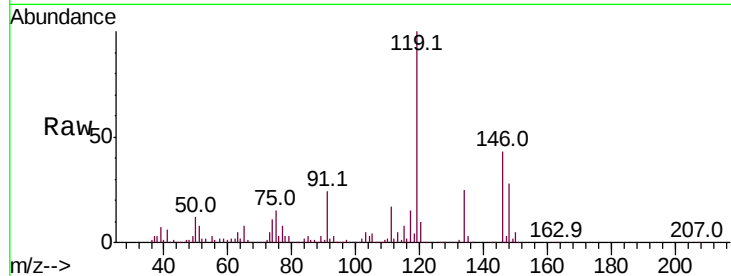




#87
 1,3-Dichlorobenzene
 Concen: 22.421 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

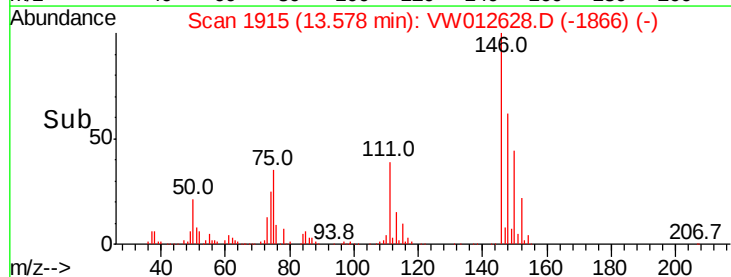
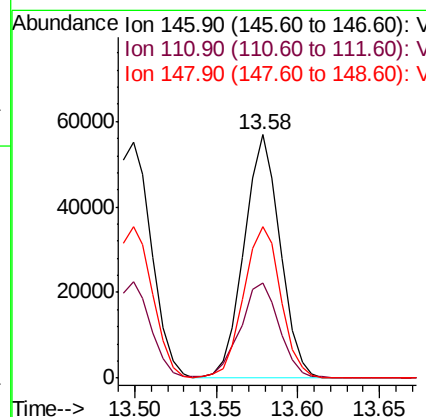
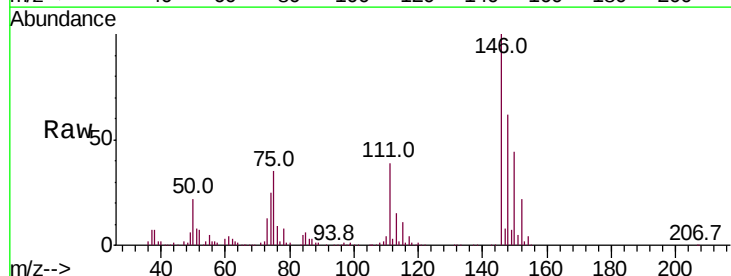
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

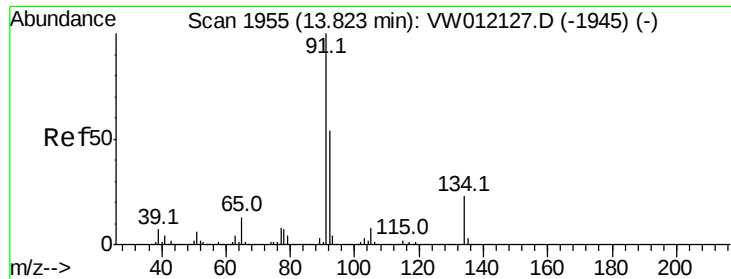
Tot Ion:146 Resp: 90917
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.9 62.7
 148 65.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.809 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Tgt Ion:146 Resp: 87811
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.0 60.0
 148 64.3 32.1 96.3

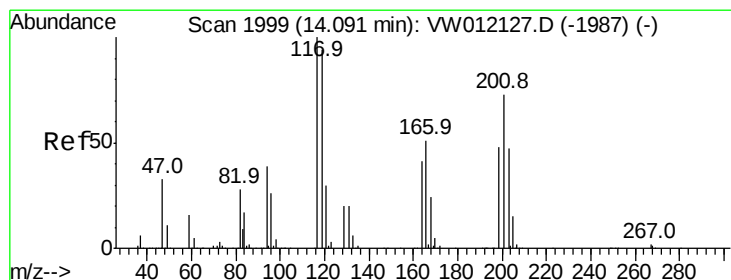
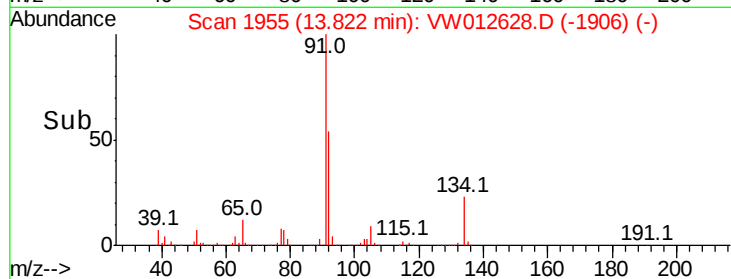
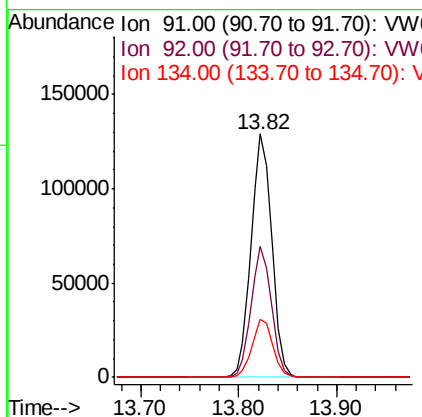
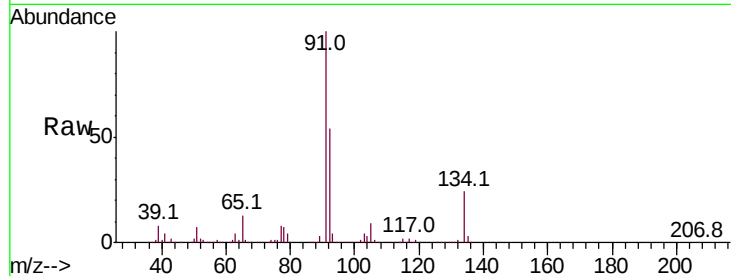




#89
n-Butylbenzene
Concen: 22.020 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

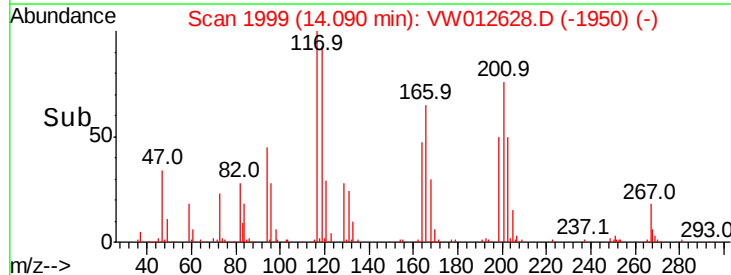
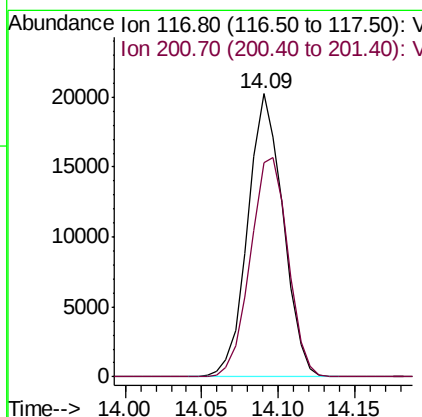
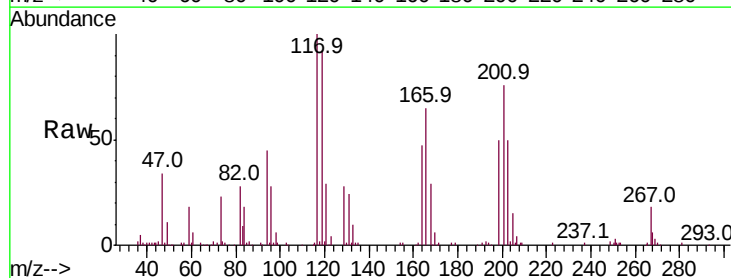
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

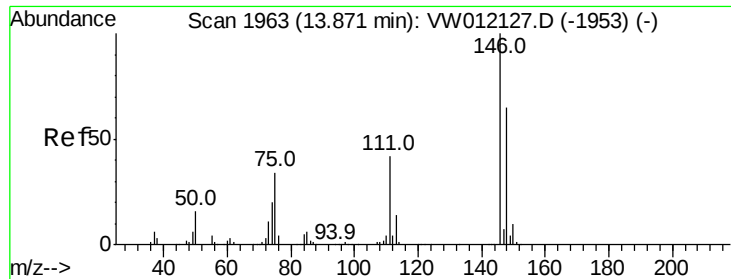
Tot Ion: 91 Resp: 190039
Ion Ratio Lower Upper
91 100
92 52.8 27.1 81.2
134 23.7 12.2 36.4



#90
Hexachloroethane
Concen: 21.370 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012628.D
Acq: 05 Sep 2019 09:08

Tgt Ion: 117 Resp: 32538
Ion Ratio Lower Upper
117 100
201 82.4 38.6 115.7

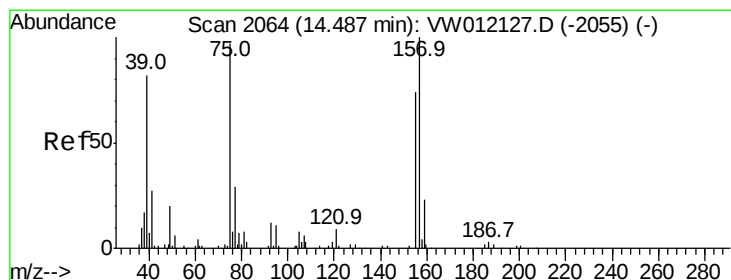
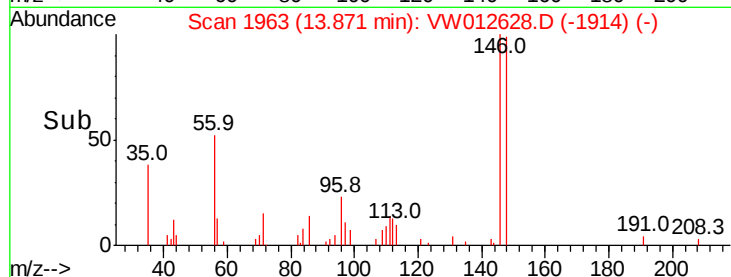
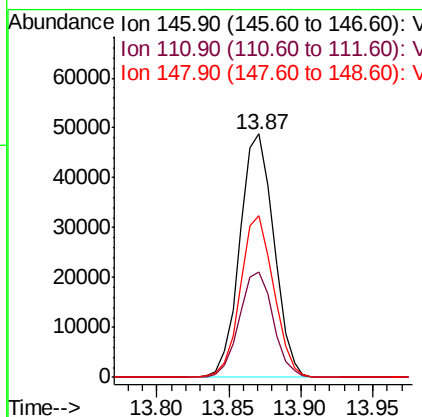
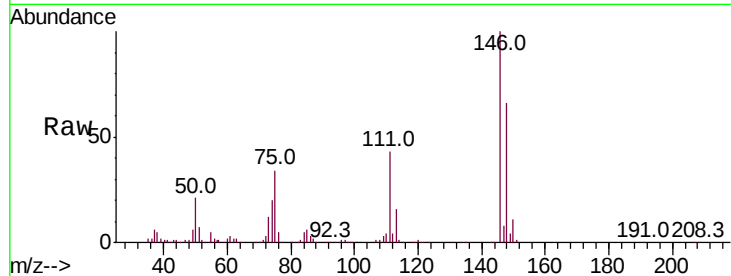




#91
 1,2-Dichlorobenzene
 Concen: 22.531 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

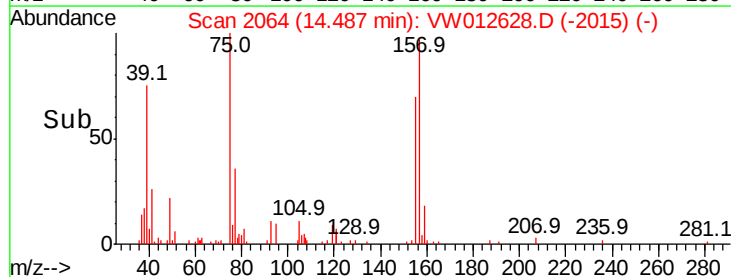
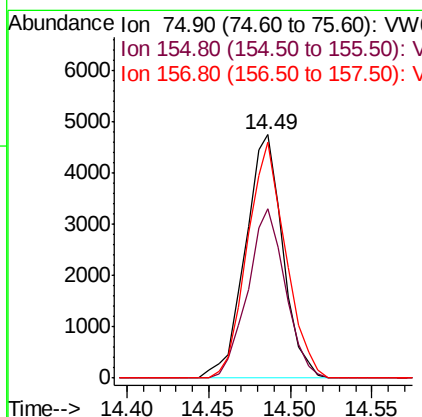
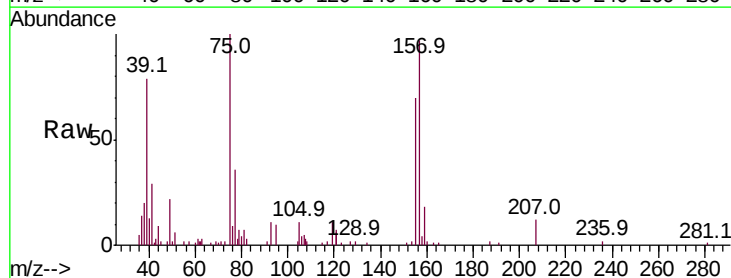
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

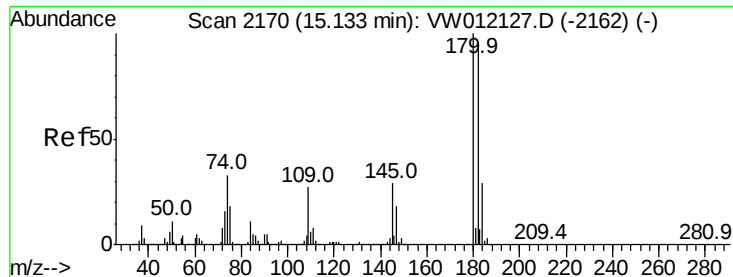
Tot Ion:146 Resp: 80149
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.2 63.6
 148 64.6 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.516 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Tgt Ion: 75 Resp: 7557
 Ion Ratio Lower Upper
 75 100
 155 69.9 37.5 112.3
 157 99.4 50.5 151.5

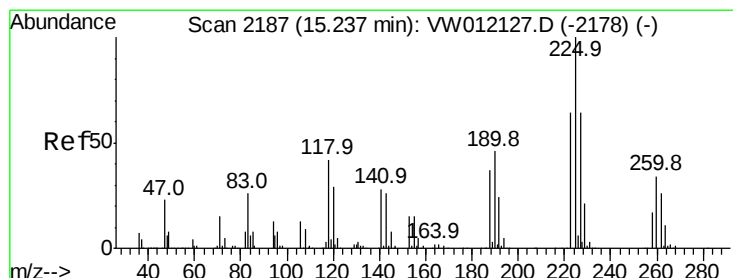
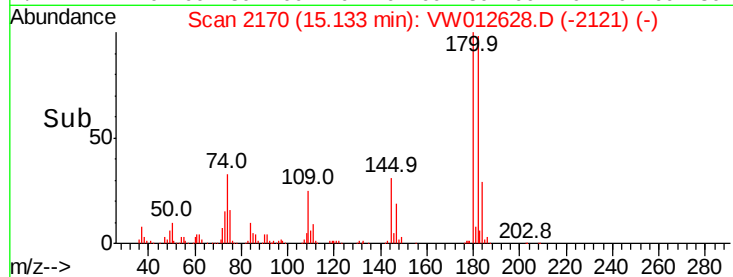
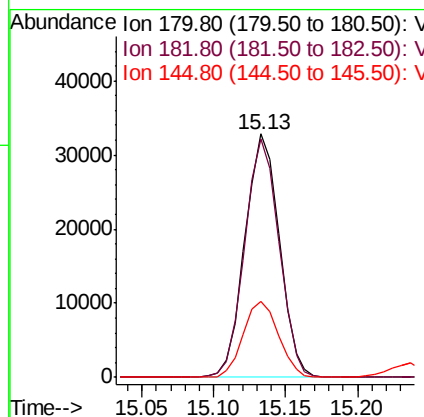
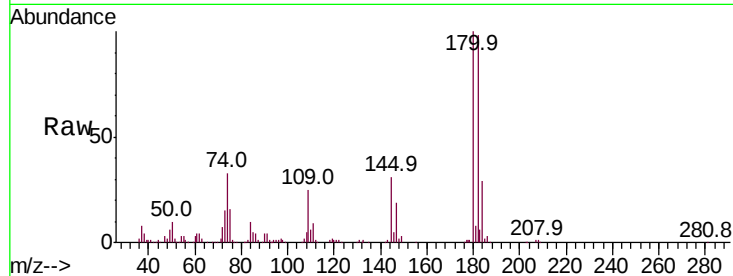




#93
 1,2,4-Trichlorobenzene
 Concen: 22.091 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

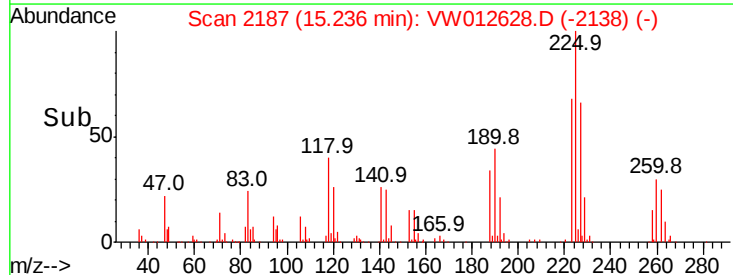
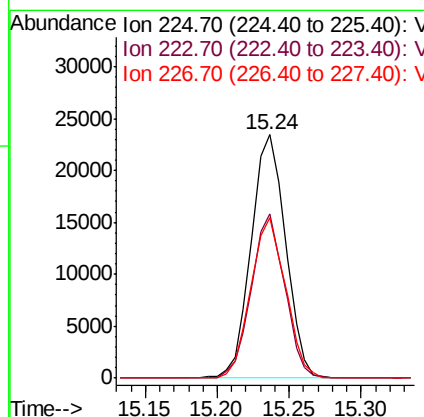
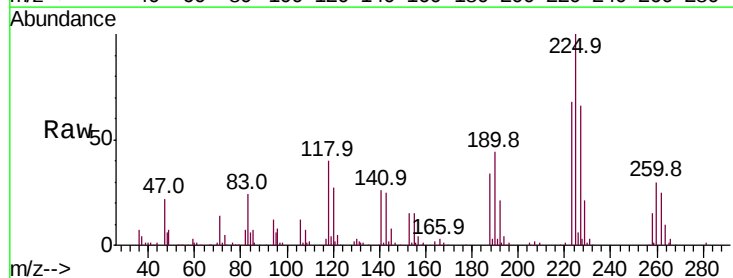
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

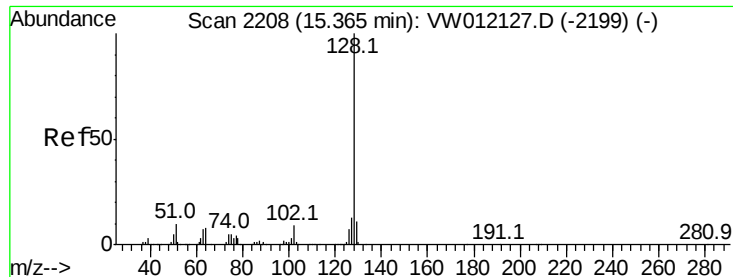
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.8	143.4
145	32.1	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 23.846 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012628.D
 Acq: 05 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.3	96.8
227	66.3	32.9	98.6





#95

Naphthalene

Concen: 23.018 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

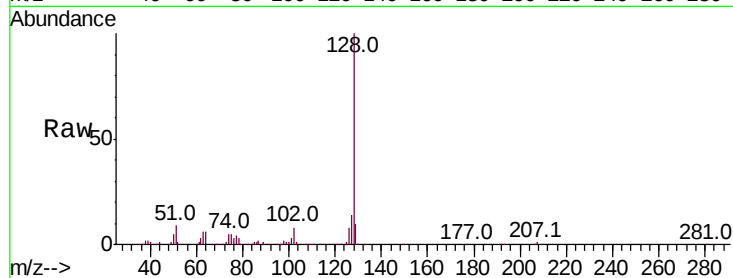
Tot Ion:128 Resp: 98721

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

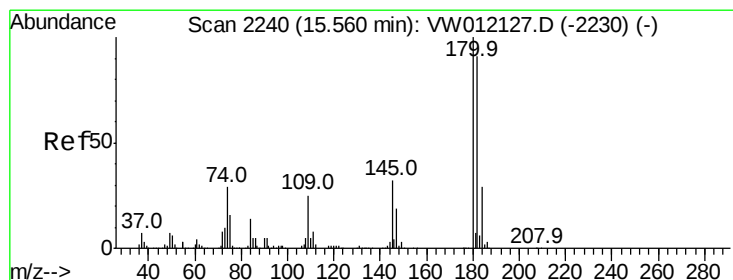
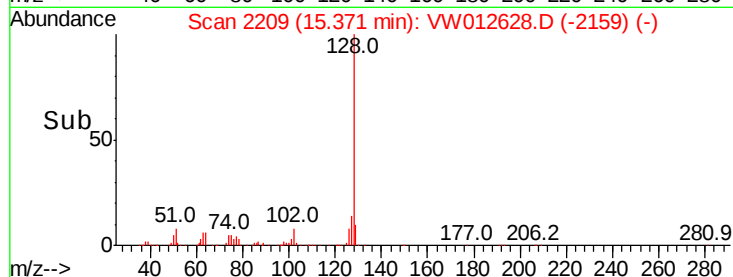
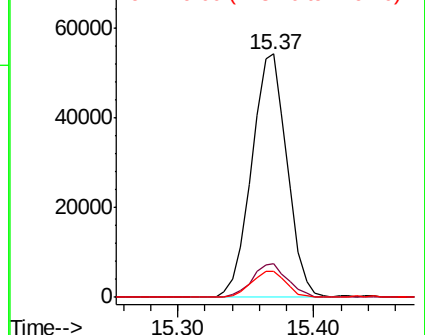
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.560 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW012628.D

Acq: 05 Sep 2019 09:08

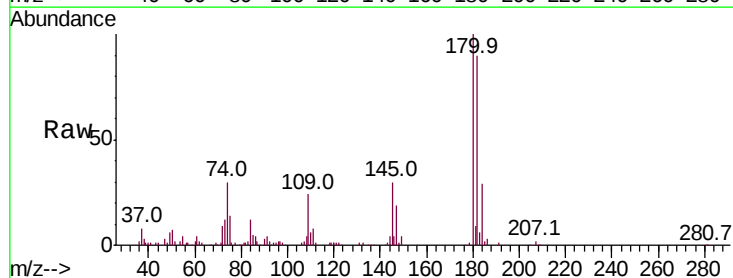
Tgt Ion:180 Resp: 48387

Ion Ratio Lower Upper

180 100

182 95.5 47.1 141.3

145 32.3 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

