

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009033.D
 Acq On : 07 Mar 2019 11:46
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 08 03:24:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	292338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	407991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222406	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	55611	18.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.12%	
35) Dibromofluoromethane	7.88	113	49665	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
50) Toluene-d8	10.32	98	191289	18.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.06%	
62) 4-Bromofluorobenzene	12.62	95	75332	18.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	64631	21.968	ug/l	97
3) Chloromethane	2.21	50	75775	20.468	ug/l	97
4) Vinyl Chloride	2.36	62	75612	19.893	ug/l	93
5) Bromomethane	2.76	94	66058	20.408	ug/l	95
6) Chloroethane	2.91	64	52704	19.395	ug/l	98
7) Trichlorofluoromethane	3.25	101	103393	21.295	ug/l	94
8) Diethyl Ether	3.68	74	29554	20.182	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62725	20.772	ug/l	98
10) Methyl Iodide	4.26	142	53084	18.500	ug/l	100
11) Tert butyl alcohol	5.19	59	23585	112.663	ug/l	97
12) 1,1-Dichloroethene	4.03	96	54336	20.671	ug/l	94
13) Acrolein	3.90	56	24817	99.026	ug/l	99
14) Allyl chloride	4.67	41	92387	20.270	ug/l	98
15) Acrylonitrile	5.37	53	60948	92.292	ug/l	97
16) Acetone	4.14	43	61700	92.130	ug/l	98
17) Carbon Disulfide	4.37	76	178054	20.213	ug/l	100
18) Methyl Acetate	4.67	43	27933	18.147	ug/l	92
19) Methyl tert-butyl Ether	5.43	73	140943	20.337	ug/l	99
20) Methylene Chloride	4.92	84	69433	18.213	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	63102	20.783	ug/l	90
22) Diisopropyl ether	6.31	45	186048	20.269	ug/l	97
23) Vinyl Acetate	6.26	43	574410	100.396	ug/l	99
24) 1,1-Dichloroethane	6.21	63	108831	20.446	ug/l	97
25) 2-Butanone	7.18	43	85715	94.287	ug/l	99
26) 2,2-Dichloropropane	7.17	77	98688	20.291	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	67214	20.784	ug/l	99
28) Bromochloromethane	7.51	49	42064	19.094	ug/l	99
29) Tetrahydrofuran	7.53	42	53698	92.130	ug/l	97
30) Chloroform	7.68	83	111649	20.526	ug/l	95
31) Cyclohexane	7.95	56	109664	20.248	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	103752	20.713	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92747	21.073	ug/l	97
37) Ethyl Acetate	7.25	43	39428	19.069	ug/l #	97
38) Carbon Tetrachloride	8.07	117	94139	20.639	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107165	20.330	ug/l	95
40) Benzene	8.32	78	241001	20.594	ug/l	100
41) Methacrylonitrile	7.48	41	19958	18.316	ug/l	93
42) 1,2-Dichloroethane	8.40	62	75047	19.679	ug/l	98
43) Isopropyl Acetate	8.43	43	73393	18.976	ug/l	98
44) Trichloroethene	9.09	130	69322	21.070	ug/l	89
45) 1,2-Dichloropropane	9.37	63	59985	20.605	ug/l	98
46) Dibromomethane	9.46	93	32415	20.047	ug/l	97
47) Bromodichloromethane	9.64	83	82155	20.159	ug/l	99
48) Methyl methacrylate	9.44	41	35010	19.196	ug/l	97
49) 1,4-Dioxane	9.46	88	8325	350.709	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	183927	93.301	ug/l	99
52) Toluene	10.39	92	156645	19.625	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	80989	19.984	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	94451	20.426	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	43682	19.936	ug/l	95
56) Ethyl methacrylate	10.65	69	49661	18.075	ug/l	97
57) 1,3-Dichloropropane	10.93	76	77937	20.037	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142712	99.971	ug/l	98
59) 2-Hexanone	10.97	43	126860	91.151	ug/l	99
60) Dibromochloromethane	11.13	129	53743	19.964	ug/l	98
61) 1,2-Dibromoethane	11.23	107	42187	19.812	ug/l	100
64) Tetrachloroethene	10.86	164	58246	19.664	ug/l	98
65) Chlorobenzene	11.66	112	174943	19.904	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	59625	20.347	ug/l	99
67) Ethyl Benzene	11.73	91	309273	19.584	ug/l	100
68) m/p-Xylenes	11.84	106	245757	39.376	ug/l	99
69) o-Xylene	12.16	106	112315	19.303	ug/l	100
70) Styrene	12.18	104	181806	19.193	ug/l	100
71) Bromoform	12.35	173	30618	19.269	ug/l #	99
73) Isopropylbenzene	12.47	105	311319	19.698	ug/l	100
74) N-amyl acetate	12.27	43	70435	18.644	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49445	19.669	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	66548	26.872	ug/l #	1
77) Bromobenzene	12.74	156	72852	20.159	ug/l	93
78) n-propylbenzene	12.80	91	385034	19.845	ug/l	100
79) 2-Chlorotoluene	12.89	91	214383	19.664	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	270745	19.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15400	19.754	ug/l	93
82) 4-Chlorotoluene	12.99	91	229280	19.738	ug/l	97
83) tert-Butylbenzene	13.21	119	223299	19.516	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	270173	19.648	ug/l	99
85) sec-Butylbenzene	13.38	105	333286	19.659	ug/l	98
86) p-Isopropyltoluene	13.50	119	295267	19.430	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	150941	19.919	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	150077	20.048	ug/l	99
89) n-Butylbenzene	13.83	91	282985	19.533	ug/l	100
90) Hexachloroethane	14.10	117	52259	19.964	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	131186	19.764	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8429	18.061	ug/l	99

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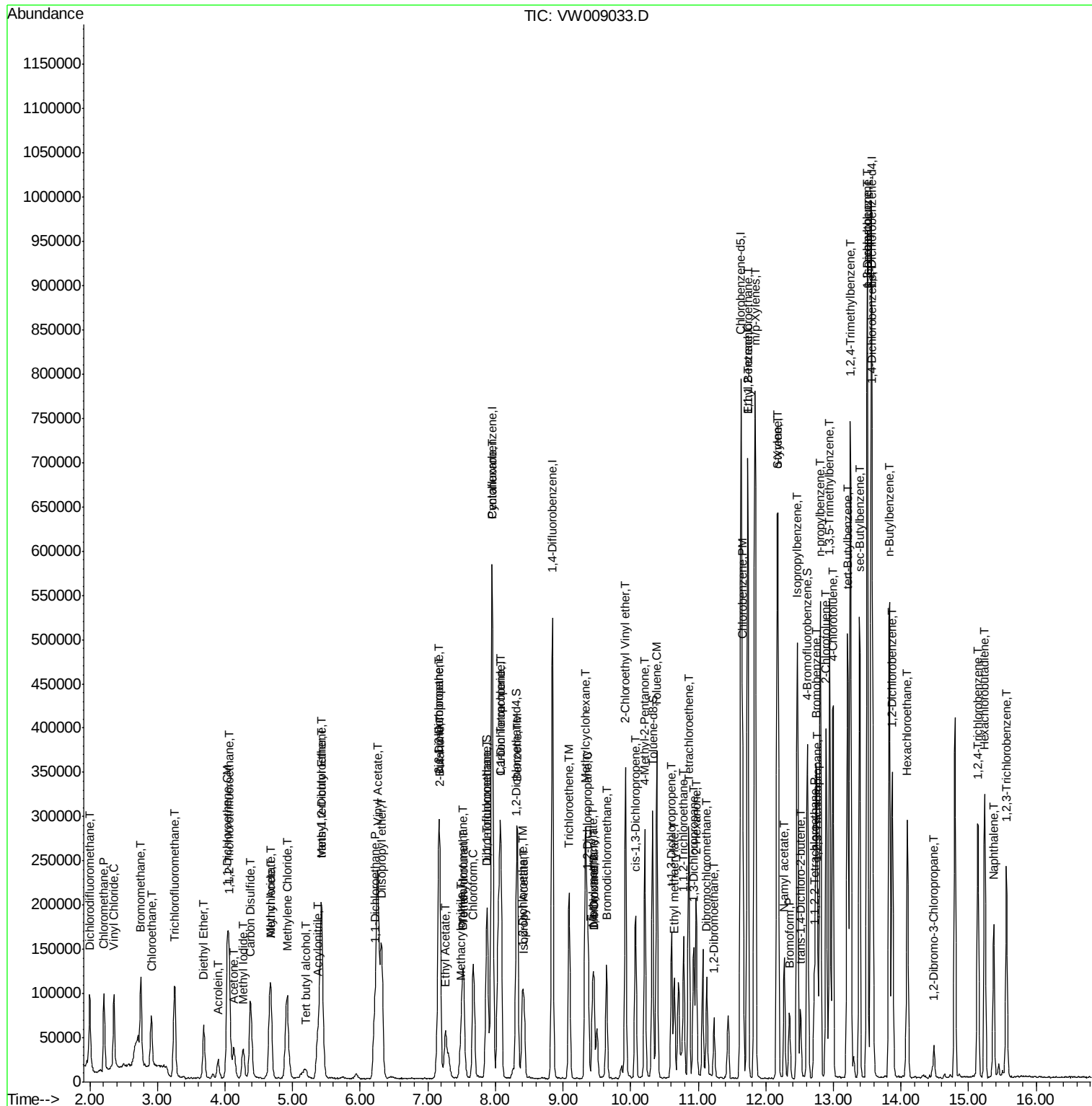
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89073	19.624	ug/l	98
94) Hexachlorobutadiene	15.24	225	58708	20.693	ug/l	100
95) Naphthalene	15.37	128	142928	19.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	77682	19.490	ug/l	100

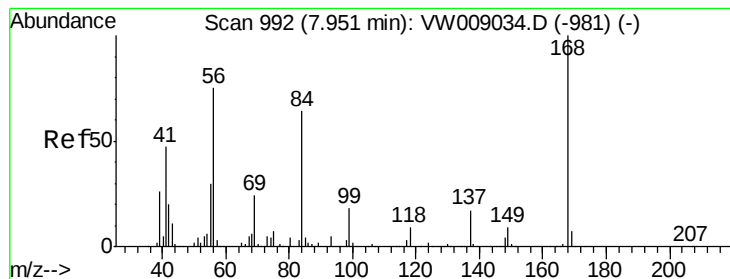
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

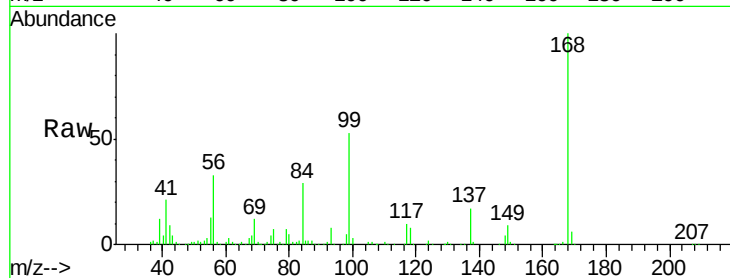
VSTDIC020

Tgt Ion:168 Resp: 292338

Ion Ratio Lower Upper

168 100

99 52.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

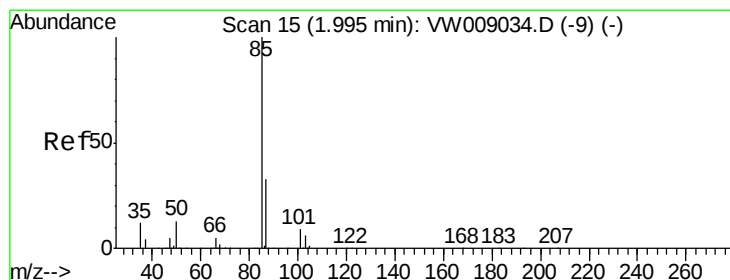
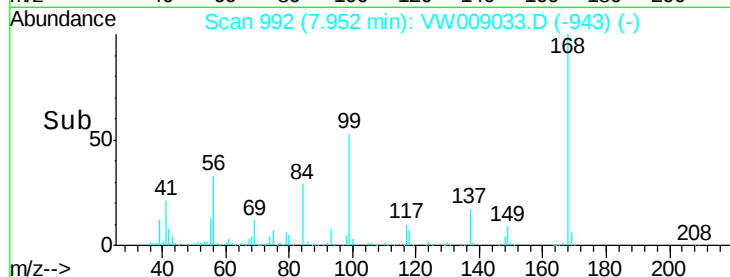
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.968 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009033.D

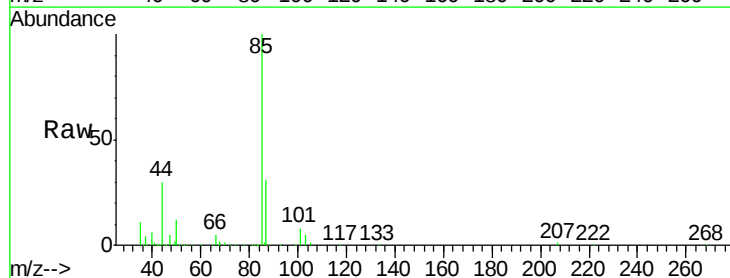
Acq: 07 Mar 2019 11:46

Tgt Ion: 85 Resp: 64631

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

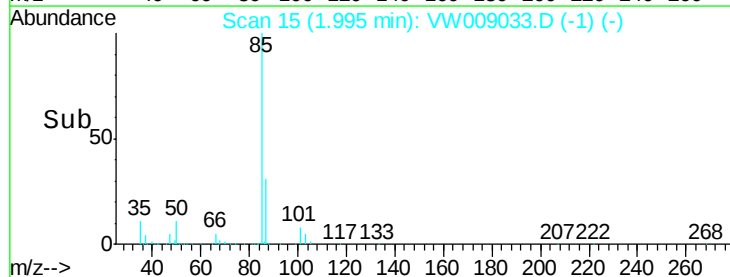
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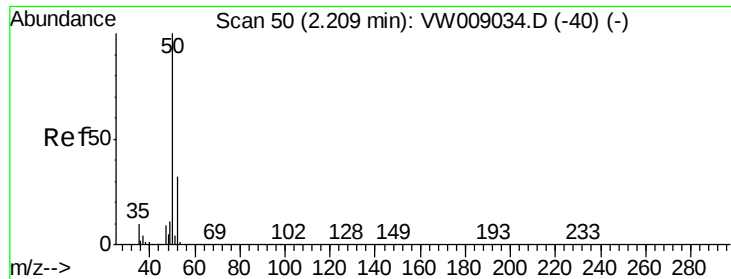
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.468 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

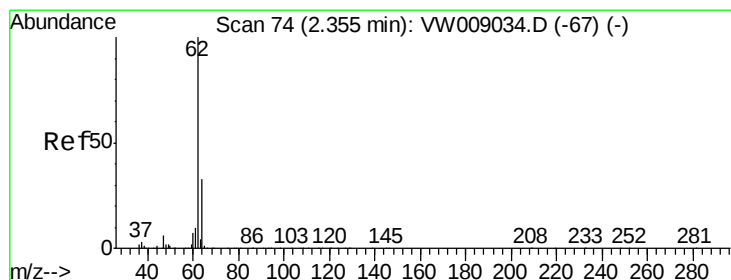
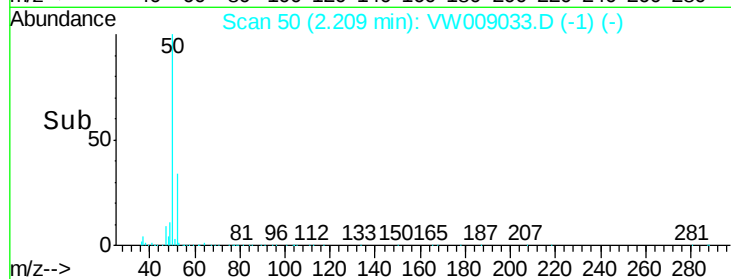
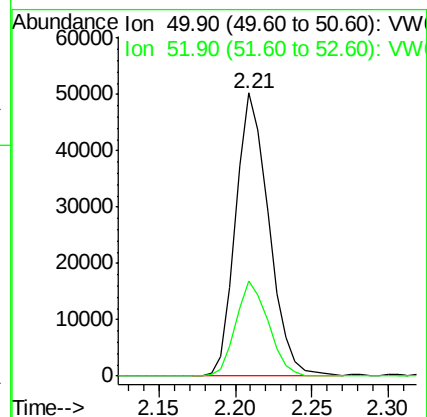
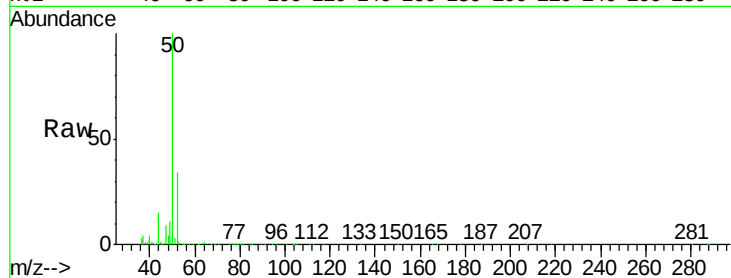
VSTDIC020

Tgt Ion: 50 Resp: 75775

Ion Ratio Lower Upper

50 100

52 33.5 25.4 38.2



#4

Vinyl Chloride

Concen: 19.893 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009033.D

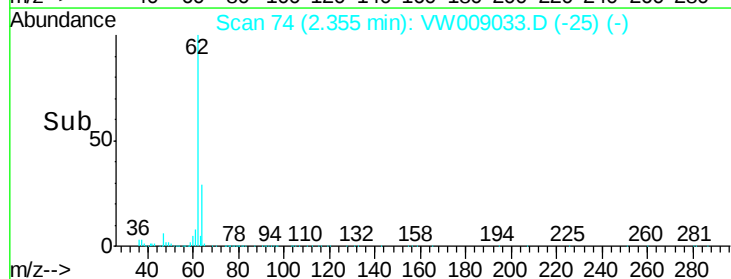
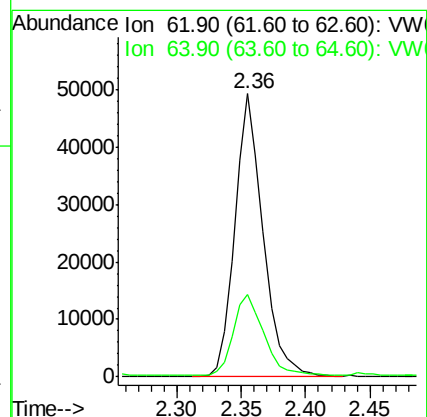
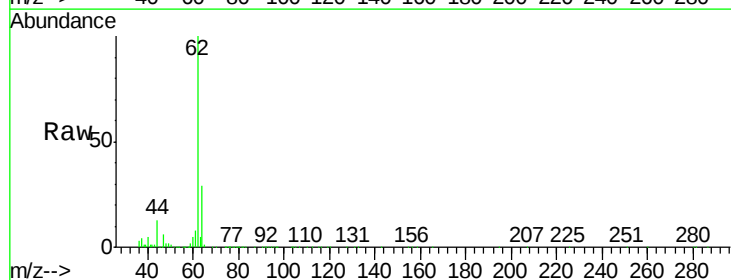
Acq: 07 Mar 2019 11:46

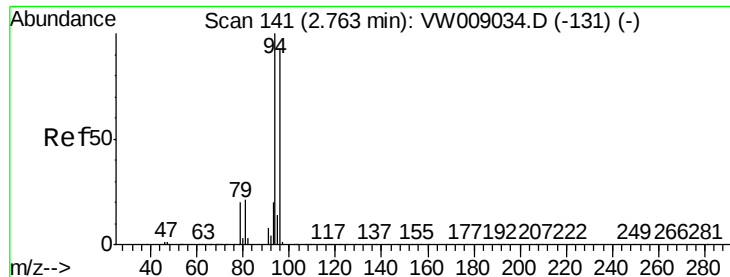
Tgt Ion: 62 Resp: 75612

Ion Ratio Lower Upper

62 100

64 28.7 26.0 39.0





#5

Bromomethane

Concen: 20.408 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

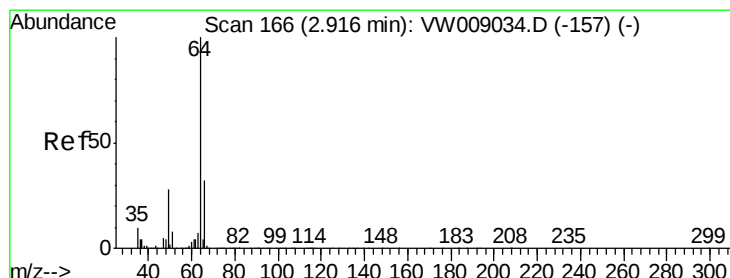
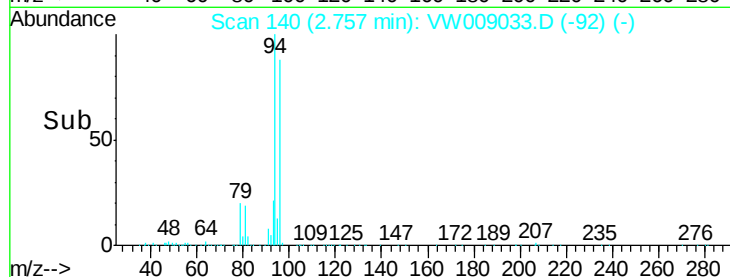
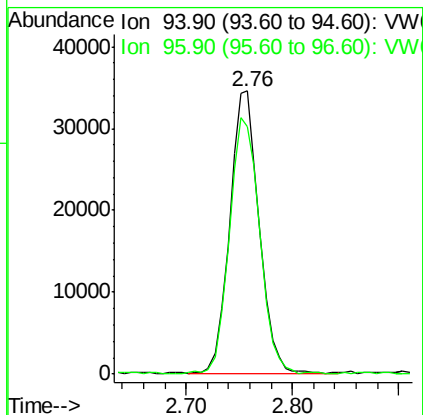
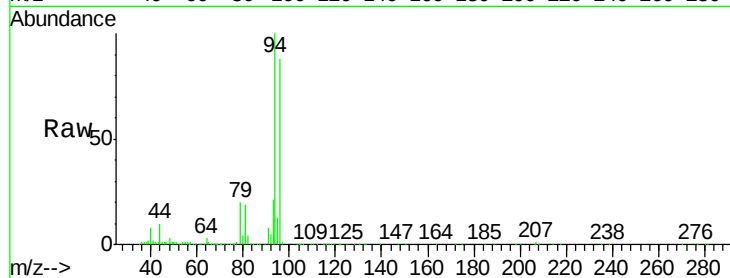
VSTDIC020

Tgt Ion: 94 Resp: 66058

Ion Ratio Lower Upper

94 100

96 87.7 74.4 111.6



#6

Chloroethane

Concen: 19.395 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009033.D

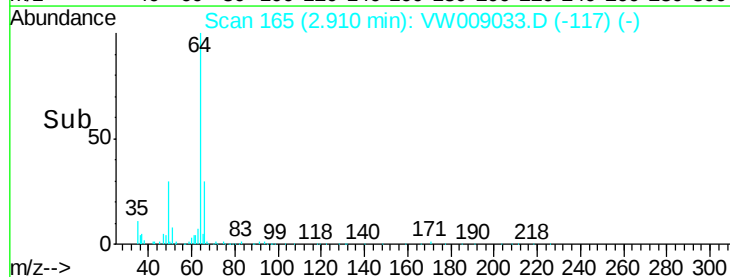
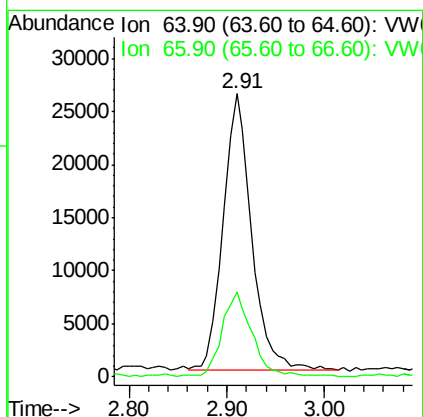
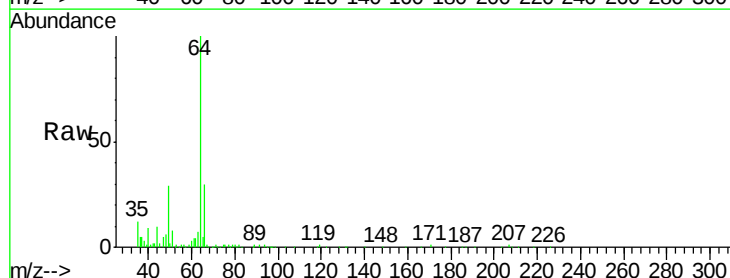
Acq: 07 Mar 2019 11:46

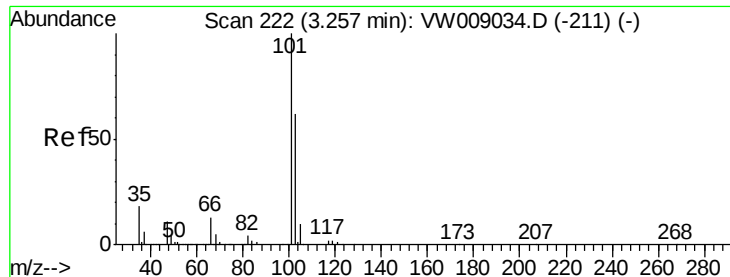
Tgt Ion: 64 Resp: 52704

Ion Ratio Lower Upper

64 100

66 30.6 25.5 38.3



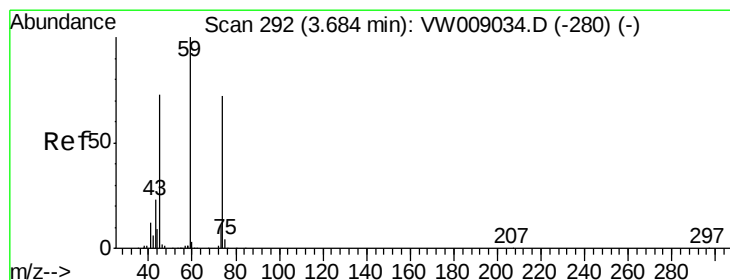
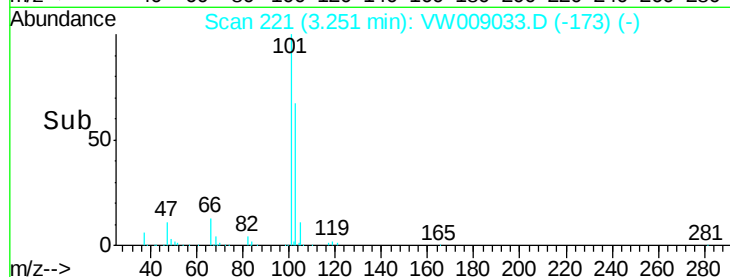
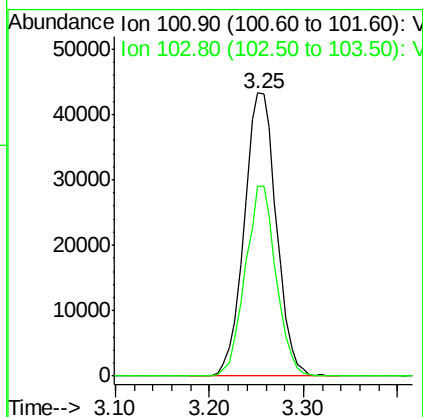
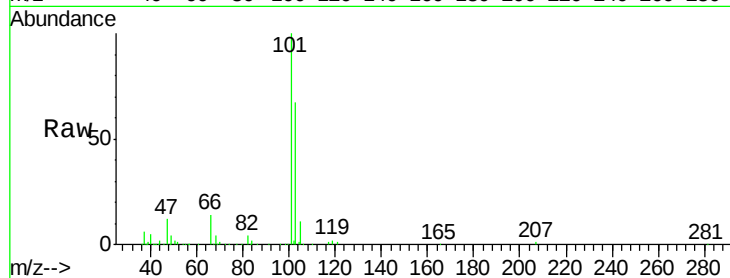


#7

Trichlorofluoromethane
 Concen: 21.295 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009033.D
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 ClientSampleId :
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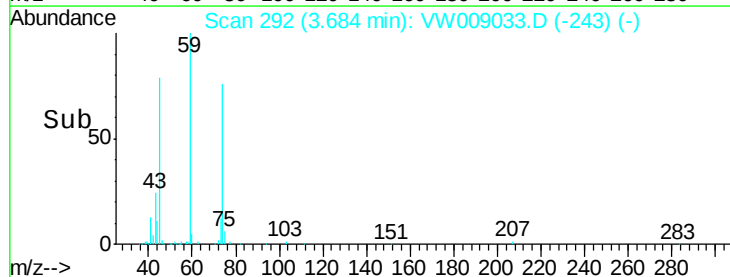
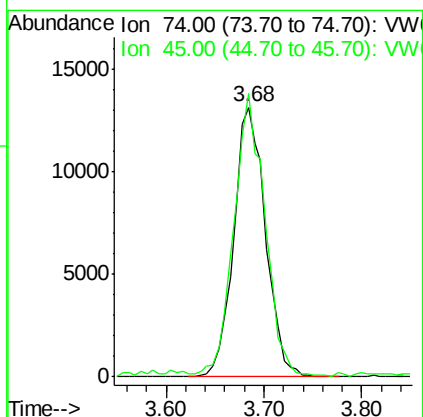
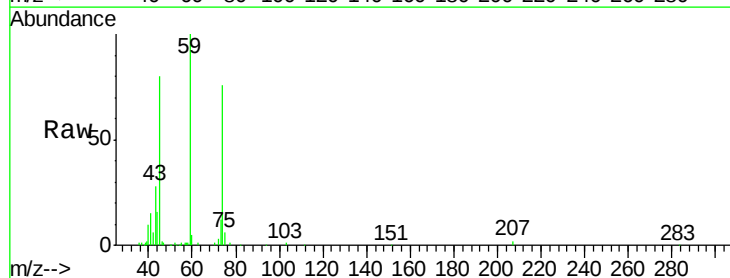
Tgt Ion:101 Resp: 103393
 Ion Ratio Lower Upper
 101 100
 103 67.0 49.9 74.9

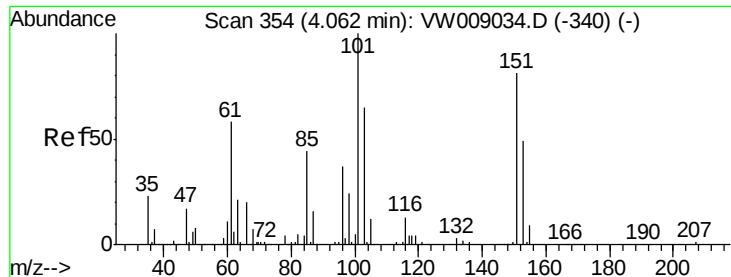


#8

Diethyl Ether
 Concen: 20.182 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion: 74 Resp: 29554
 Ion Ratio Lower Upper
 74 100
 45 103.8 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.772 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

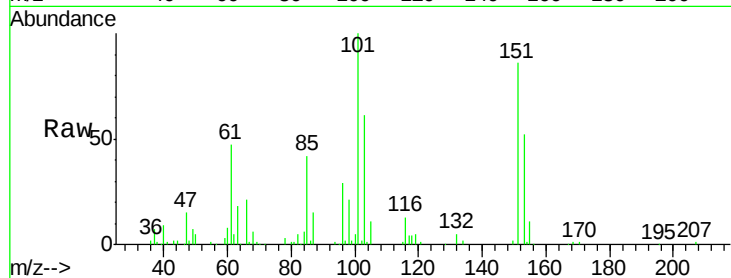
Tgt Ion:101 Resp: 62725

Ion Ratio Lower Upper

101 100

85 46.0 36.2 54.4

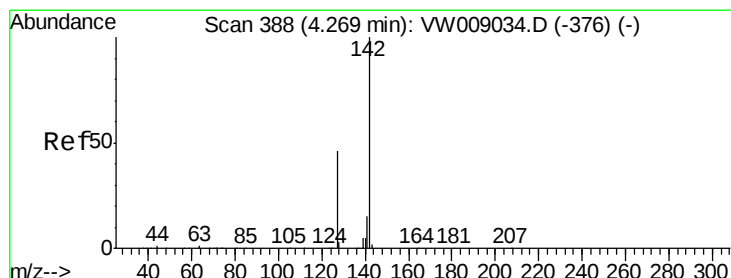
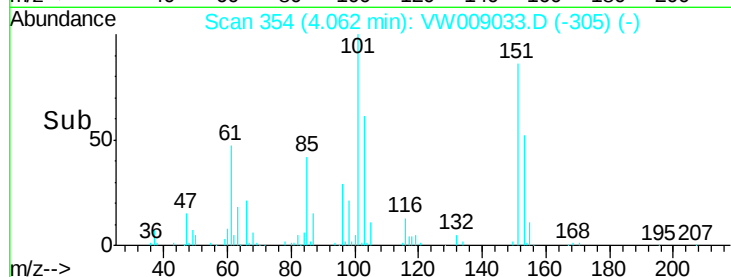
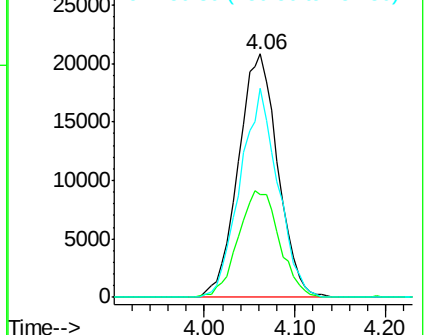
151 82.2 63.4 95.2



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: 18.500 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

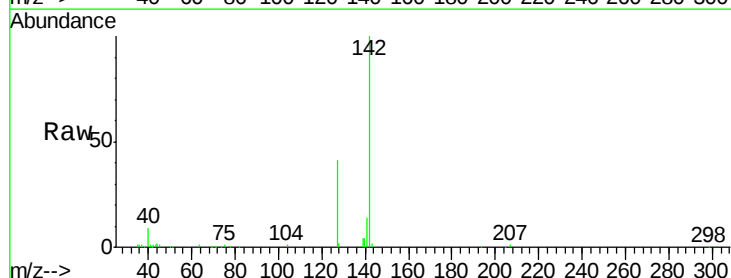
Tgt Ion:142 Resp: 53084

Ion Ratio Lower Upper

142 100

127 44.9 35.8 53.6

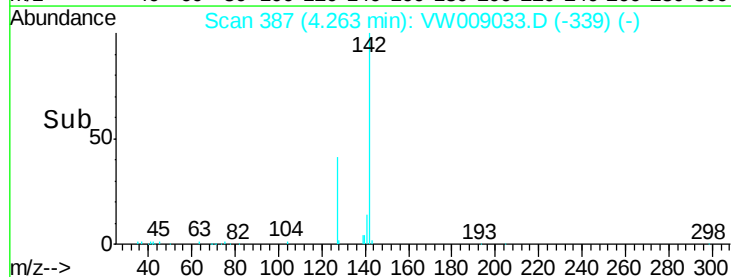
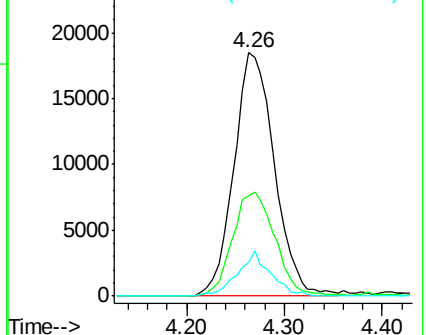
141 15.1 11.8 17.8

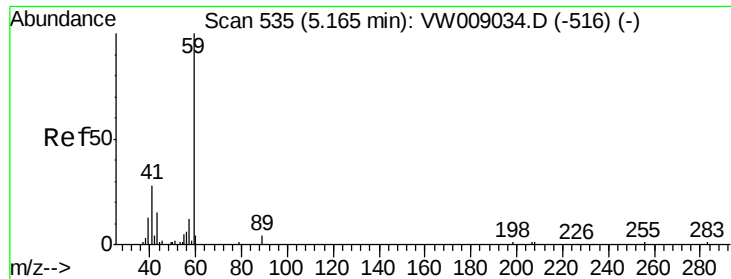


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



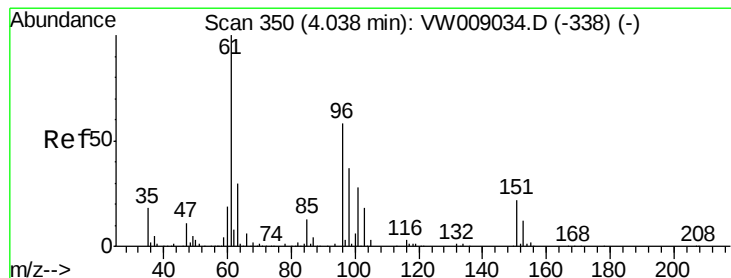
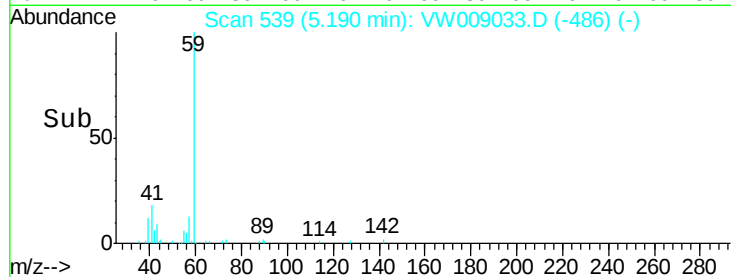
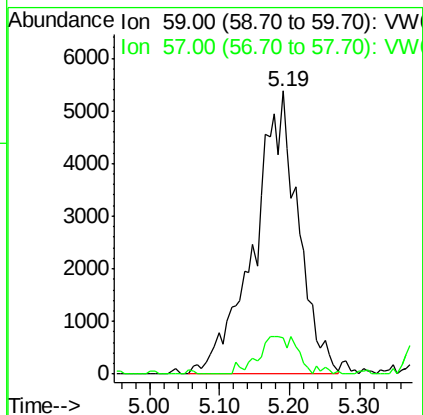
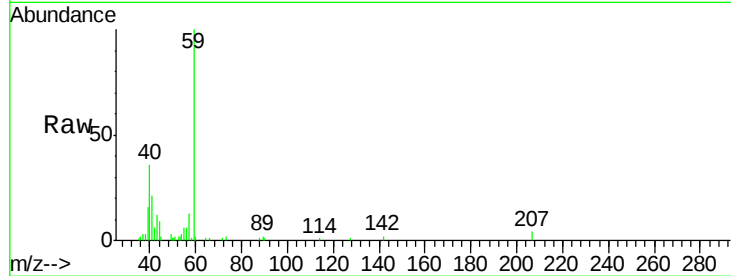


#11

Tert butyl alcohol
Concen: 112.663 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

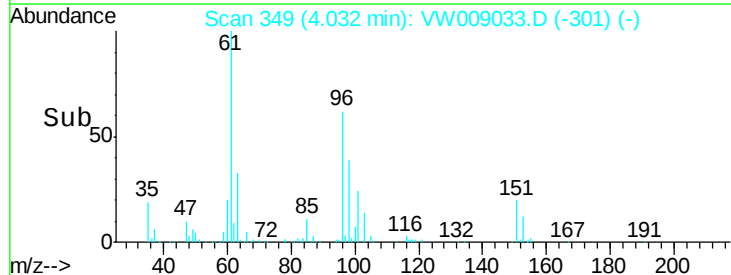
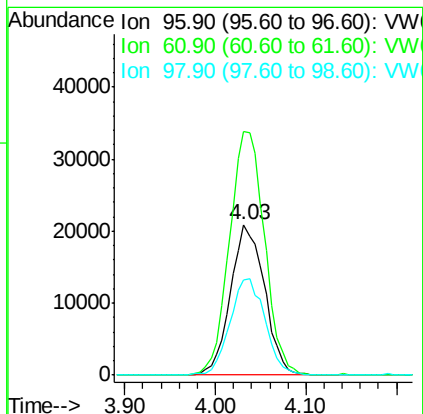
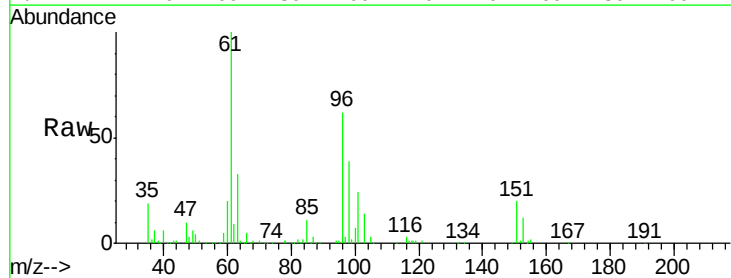
Tgt Ion: 59 Resp: 23585
Ion Ratio Lower Upper
59 100
57 11.7 8.6 12.8

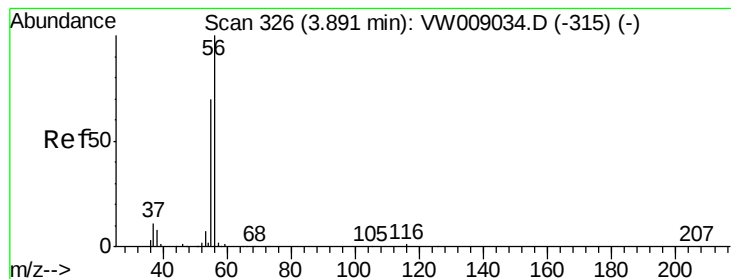


#12

1,1-Dichloroethene
Concen: 20.671 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 96 Resp: 54336
Ion Ratio Lower Upper
96 100
61 161.8 138.2 207.2
98 63.1 51.3 76.9





#13

Acrolein

Concen: 99.026 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

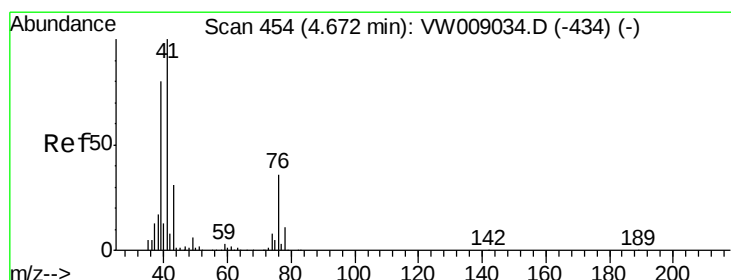
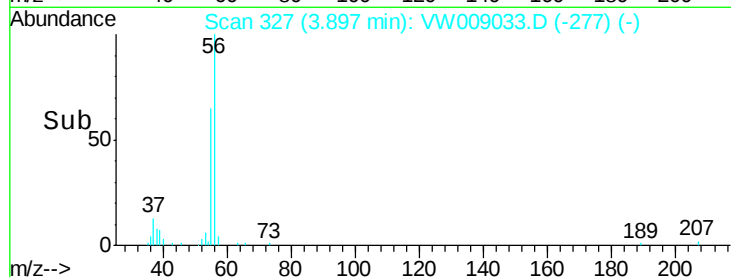
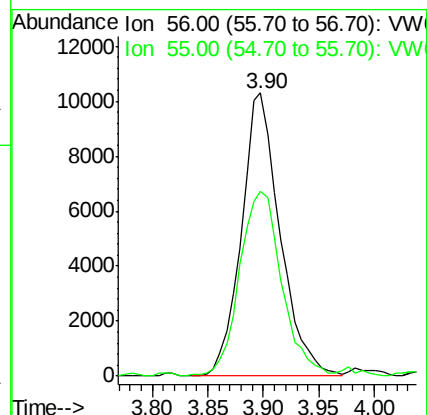
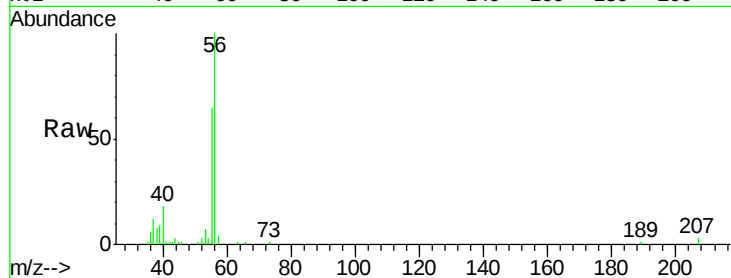
VSTDIC020

Tgt Ion: 56 Resp: 24817

Ion Ratio Lower Upper

56 100

55 71.3 56.6 84.8



#14

Allyl chloride

Concen: 20.270 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

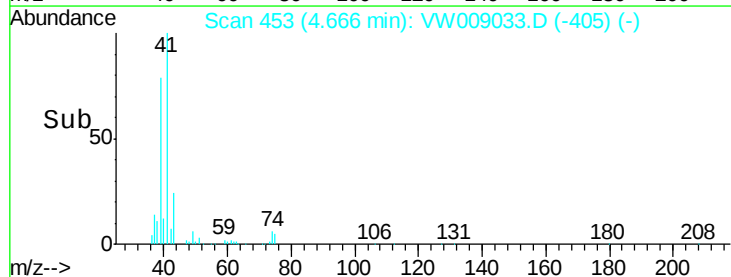
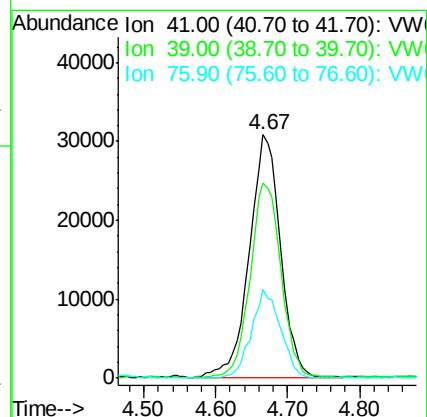
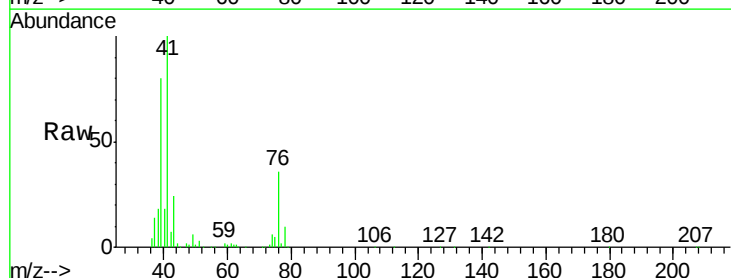
Tgt Ion: 41 Resp: 92387

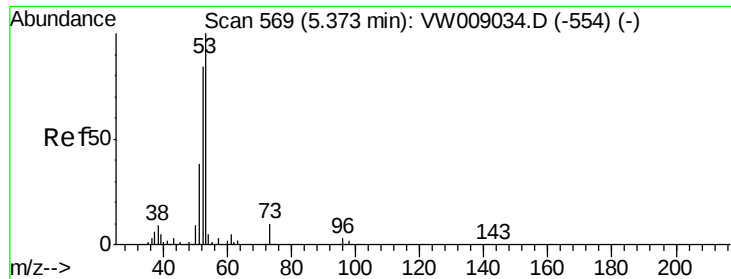
Ion Ratio Lower Upper

41 100

39 80.5 63.0 94.4

76 34.2 28.2 42.2





#15

Acrylonitrile

Concen: 92.292 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

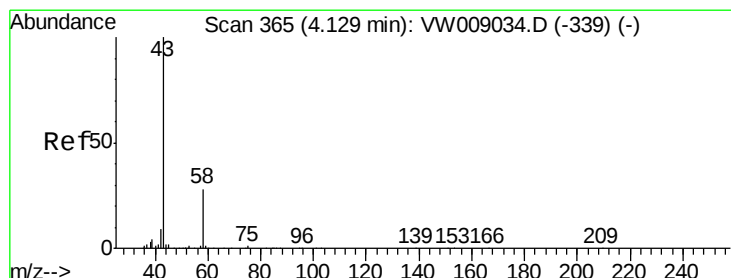
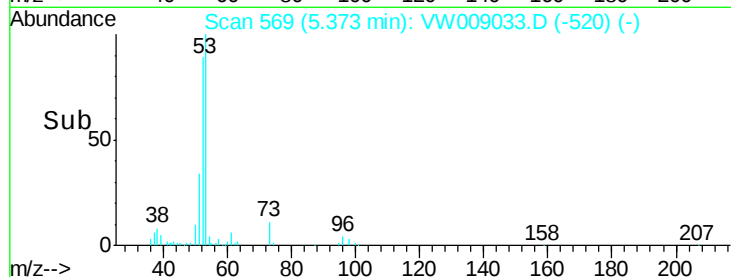
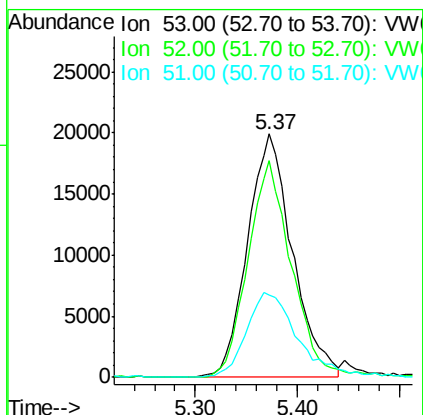
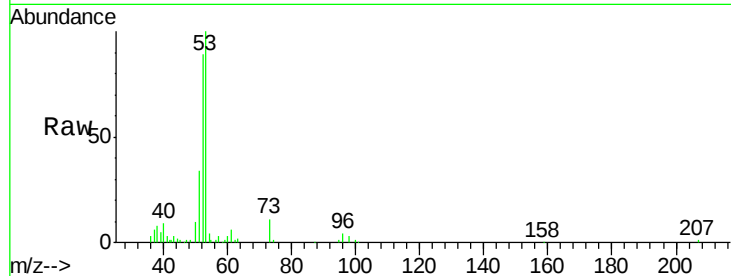
Tgt Ion: 53 Resp: 60948

Ion Ratio Lower Upper

53 100

52 87.1 67.2 100.8

51 40.0 31.8 47.6



#16

Acetone

Concen: 92.130 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009033.D

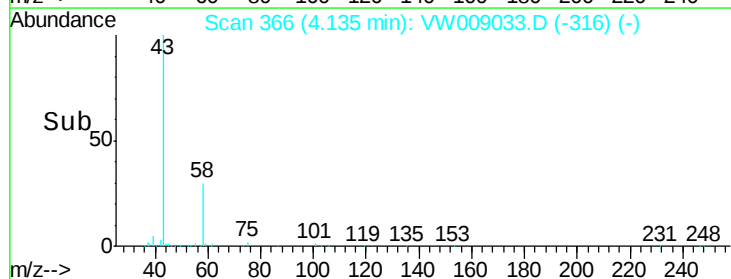
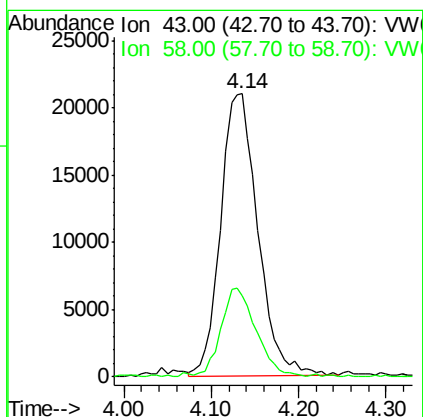
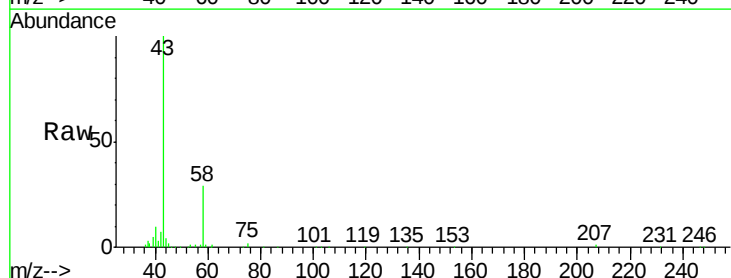
Acq: 07 Mar 2019 11:46

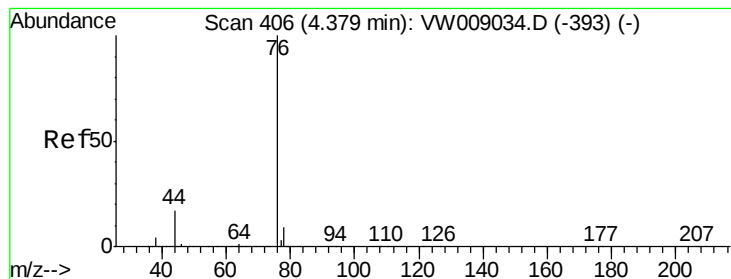
Tgt Ion: 43 Resp: 61700

Ion Ratio Lower Upper

43 100

58 29.0 22.5 33.7





#17

Carbon Disulfide

Concen: 20.213 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

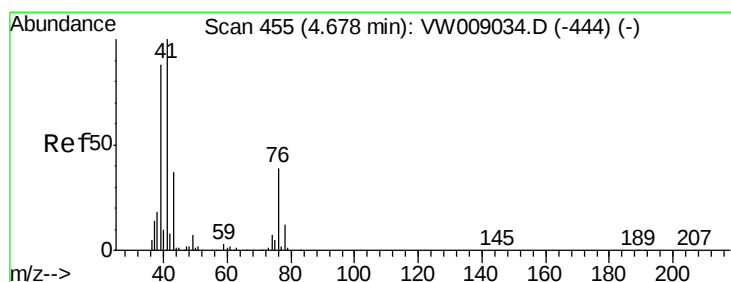
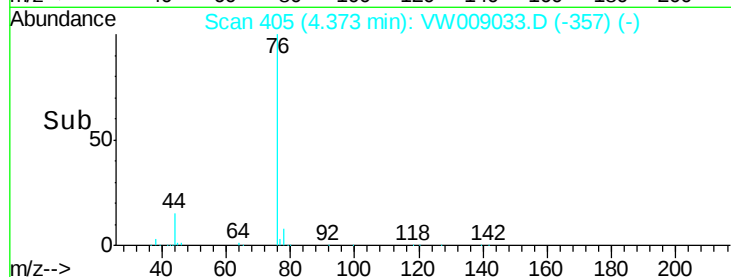
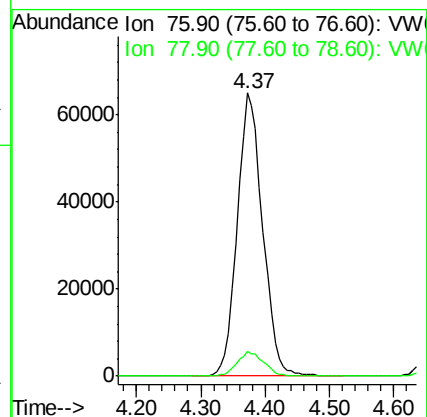
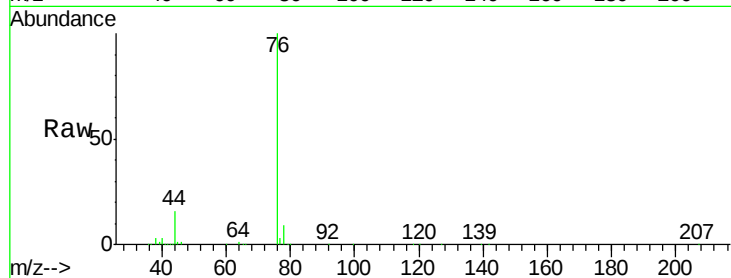
VSTDIC020

Tgt Ion: 76 Resp: 178054

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



#18

Methyl Acetate

Concen: 18.147 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009033.D

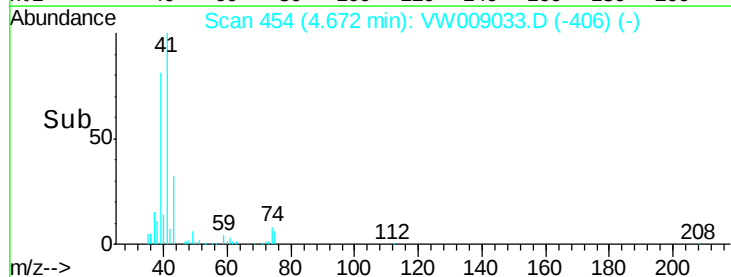
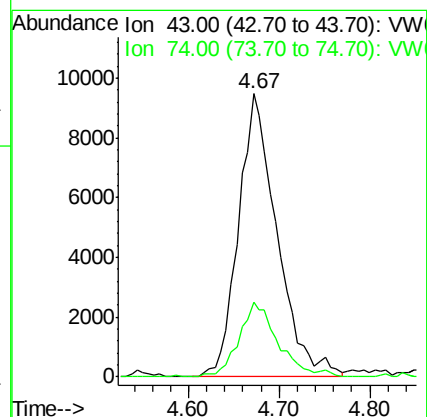
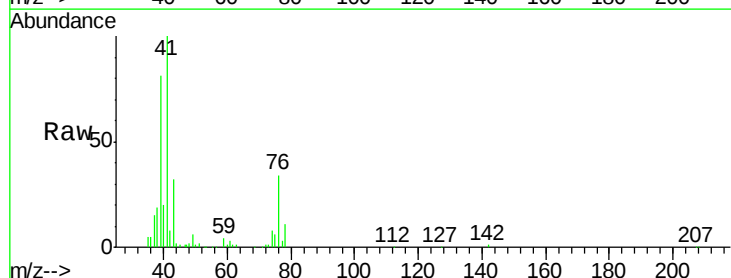
Acq: 07 Mar 2019 11:46

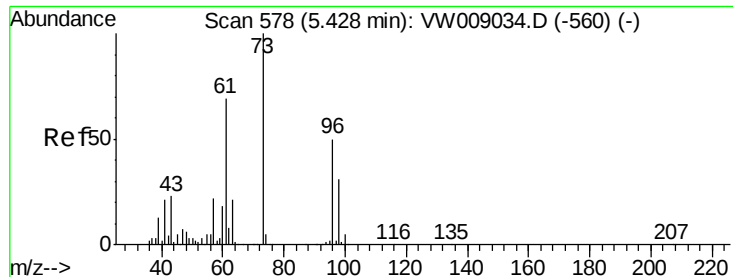
Tgt Ion: 43 Resp: 27933

Ion Ratio Lower Upper

43 100

74 25.8 17.6 26.4

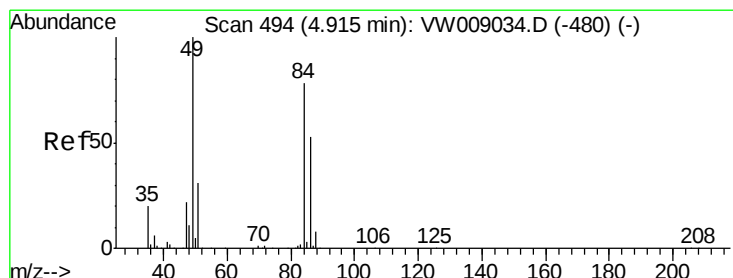
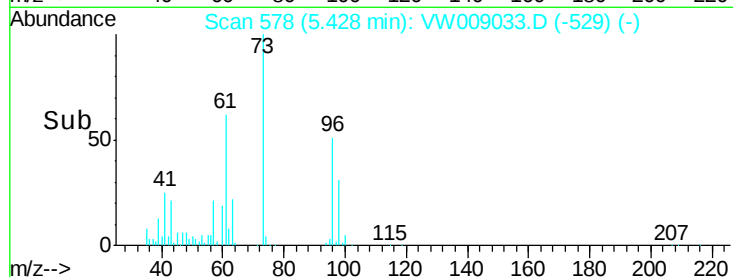
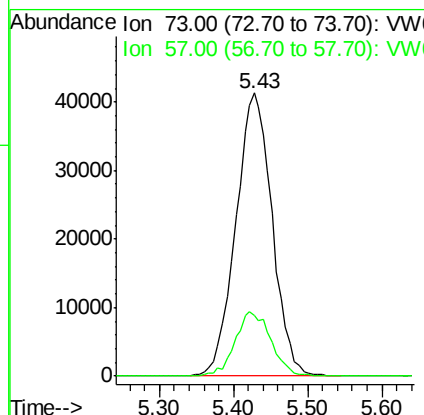
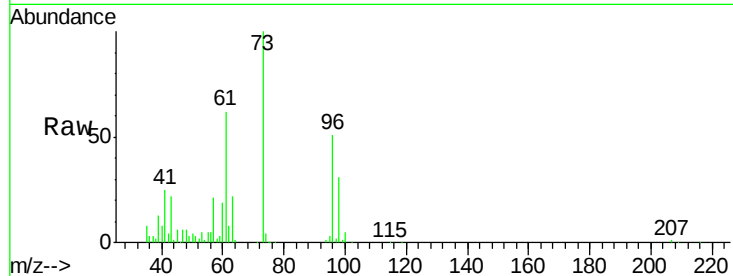




#19
Methyl tert-butyl Ether
Concen: 20.337 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

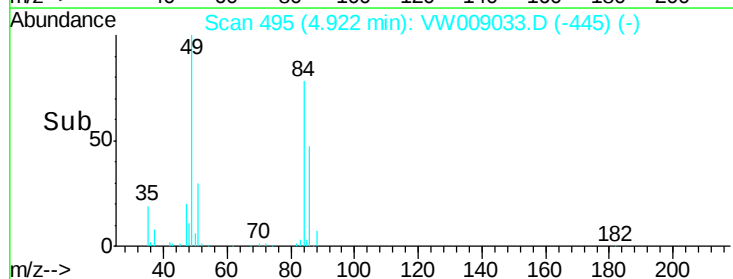
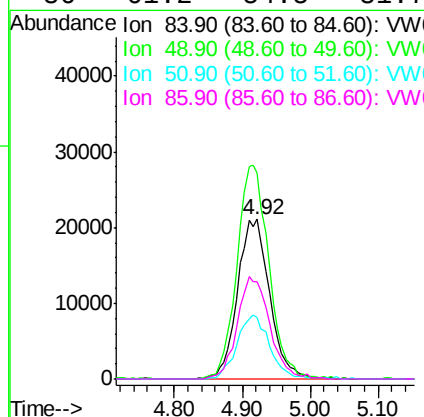
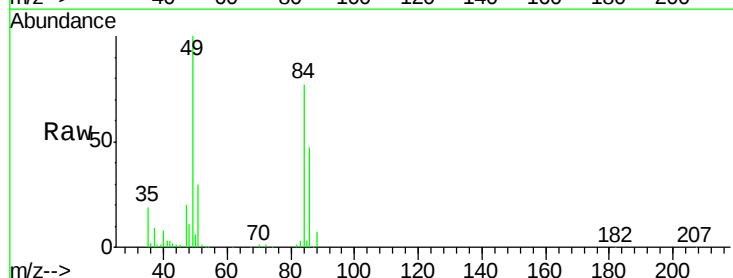
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

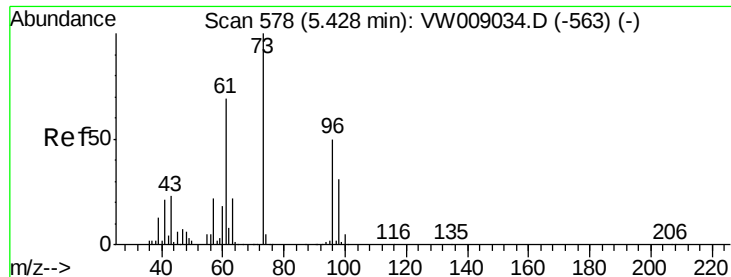
Tgt Ion: 73 Resp: 140943
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9



#20
Methylene Chloride
Concen: 18.213 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 84 Resp: 69433
Ion Ratio Lower Upper
84 100
49 129.3 102.4 153.6
51 38.3 31.6 47.4
86 61.2 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.783 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

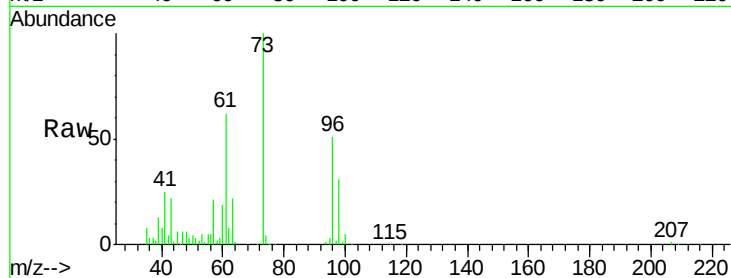
Tgt Ion: 96 Resp: 63102

Ion Ratio Lower Upper

96 100

61 121.5 111.0 166.6

98 61.1 49.4 74.0

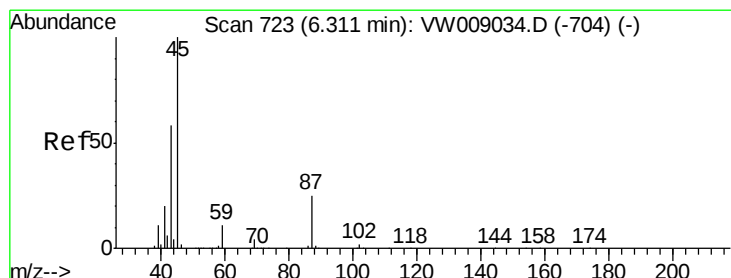
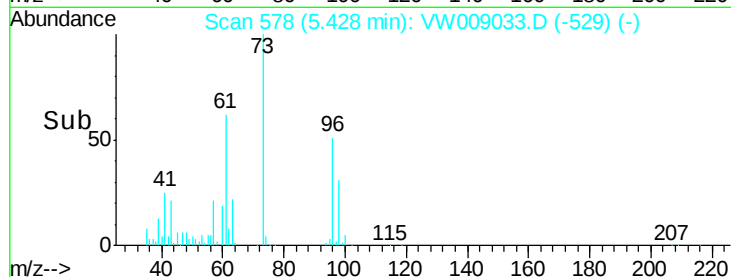
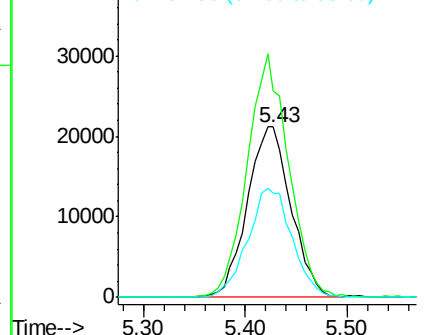


Abundance

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: 20.269 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion: 45 Resp: 186048

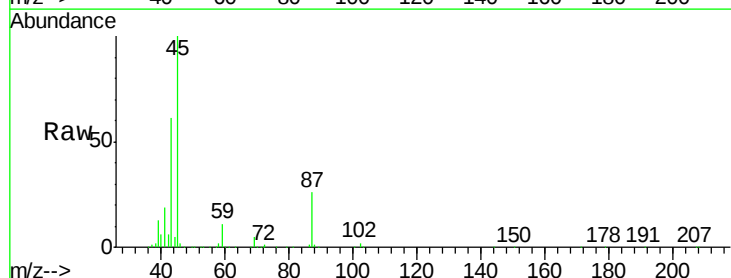
Ion Ratio Lower Upper

45 100

43 60.8 46.2 69.4

87 25.9 20.1 30.1

59 11.5 8.4 12.6



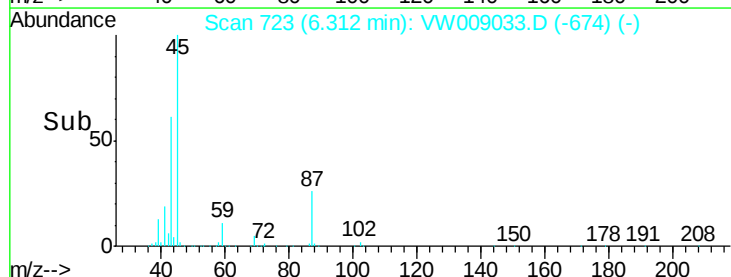
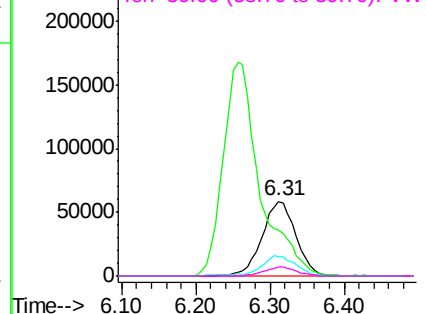
Abundance

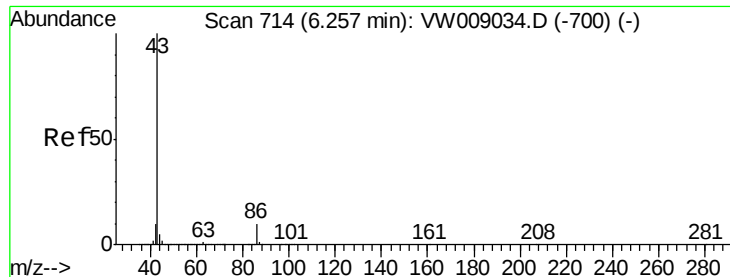
Ion 45.00 (44.70 to 45.70): VW

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: 100.396 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

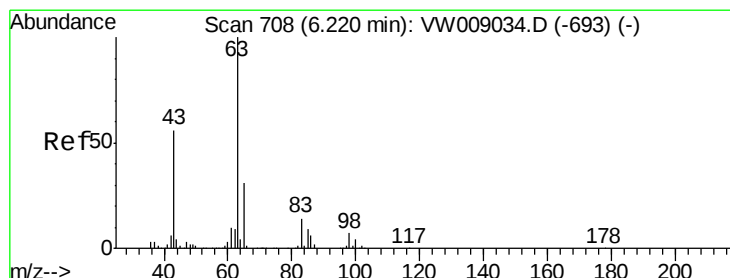
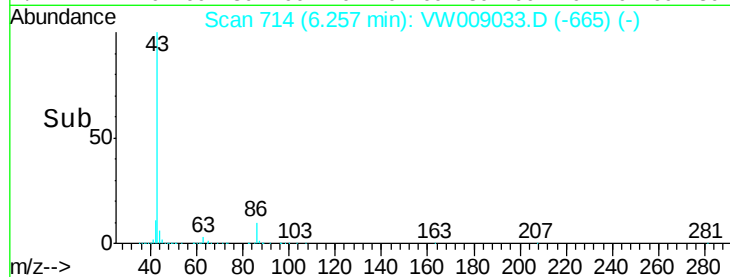
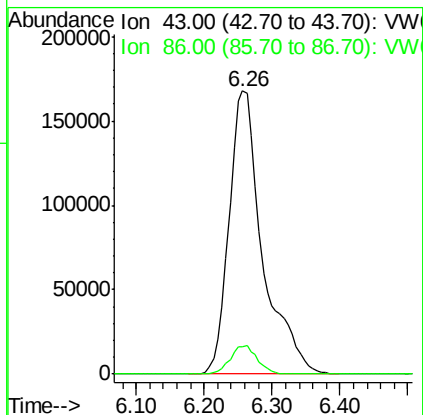
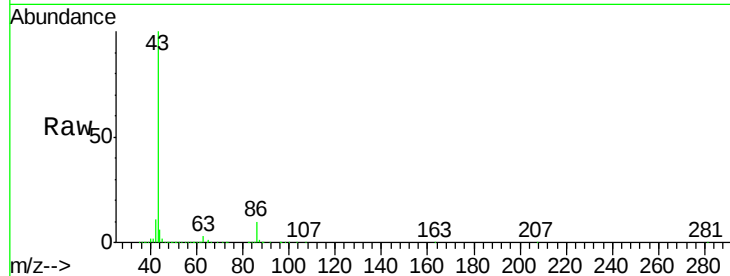
VSTDIC020

Tgt Ion: 43 Resp: 574410

Ion Ratio Lower Upper

43 100

86 9.8 7.6 11.4



#24

1,1-Dichloroethane

Concen: 20.446 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

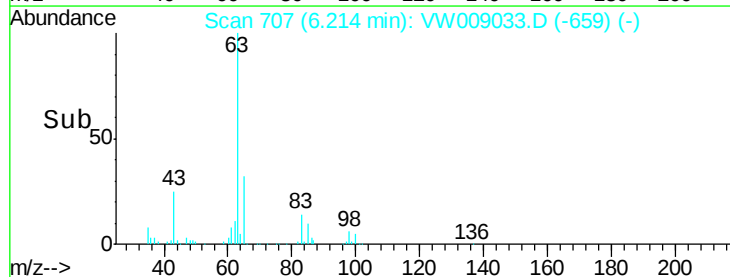
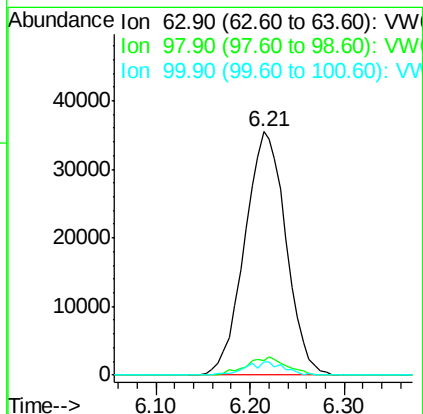
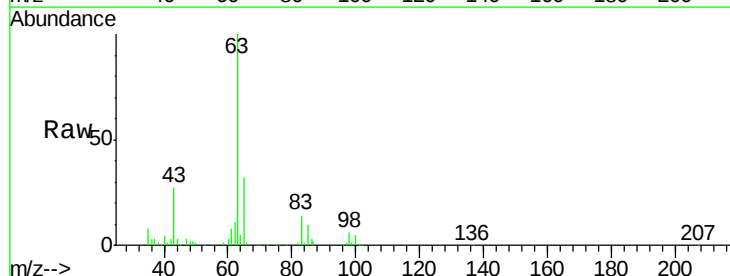
Tgt Ion: 63 Resp: 108831

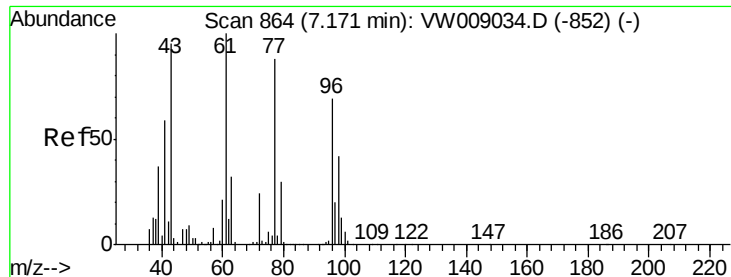
Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

100 5.2 2.1 6.2





#25

2-Butanone

Concen: 94.287 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

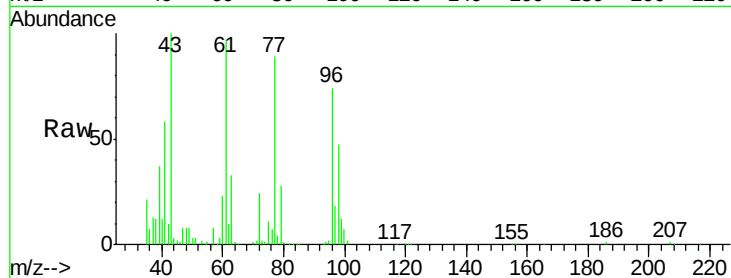
VSTDIC020

Tgt Ion: 43 Resp: 85715

Ion Ratio Lower Upper

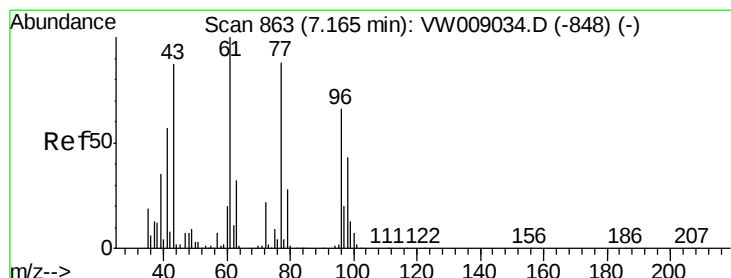
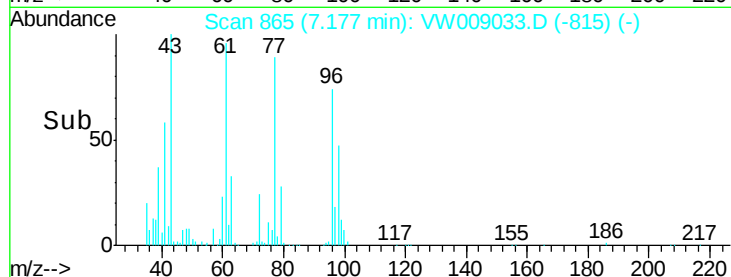
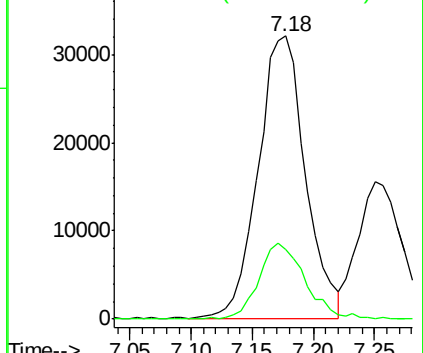
43 100

72 24.5 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 20.291 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009033.D

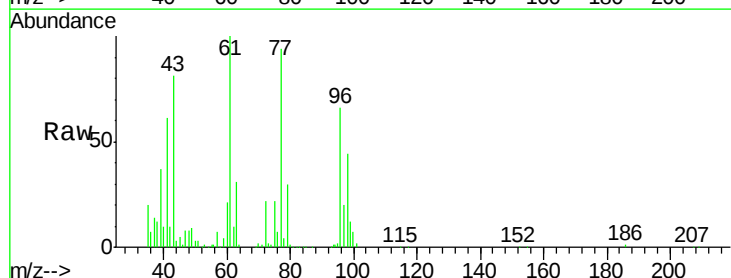
Acq: 07 Mar 2019 11:46

Tgt Ion: 77 Resp: 98688

Ion Ratio Lower Upper

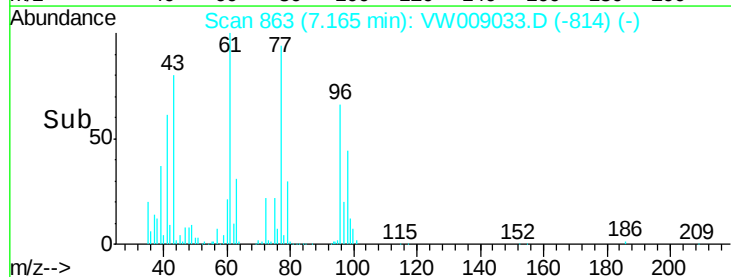
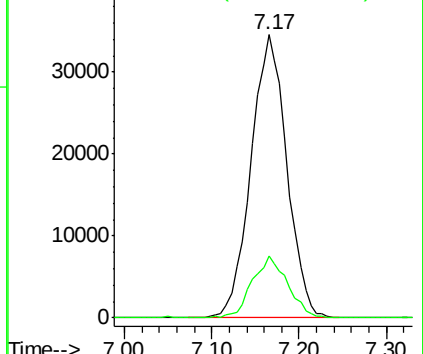
77 100

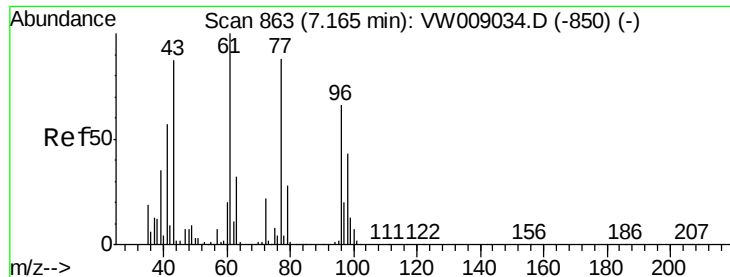
97 21.5 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



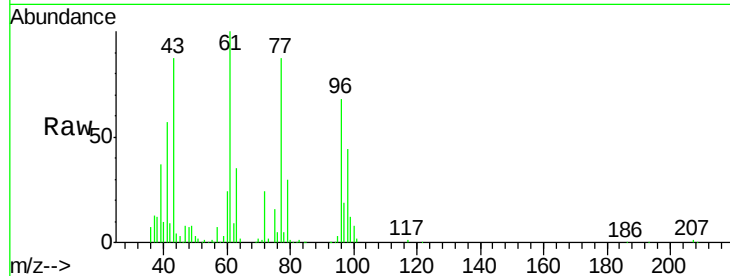


#27

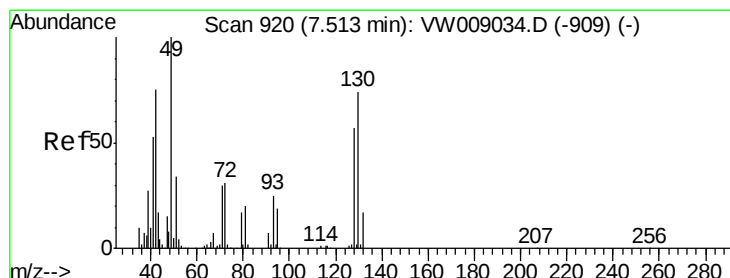
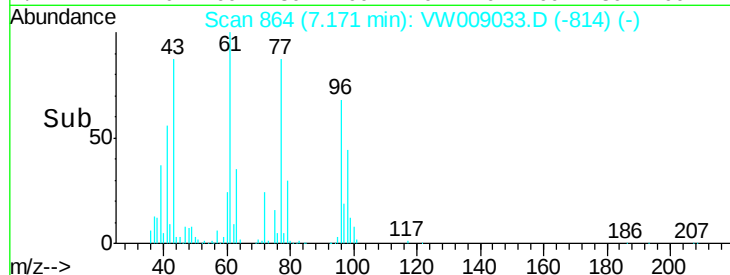
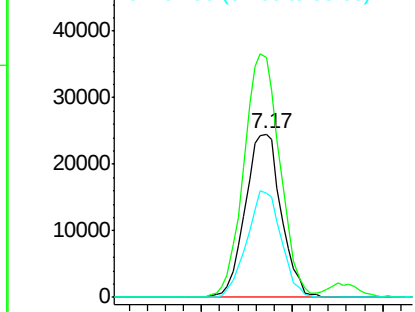
cis-1,2-Dichloroethene
 Concen: 20.784 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 67214
 Ion Ratio Lower Upper
 96 100
 61 149.6 0.0 299.8
 98 62.5 0.0 127.2



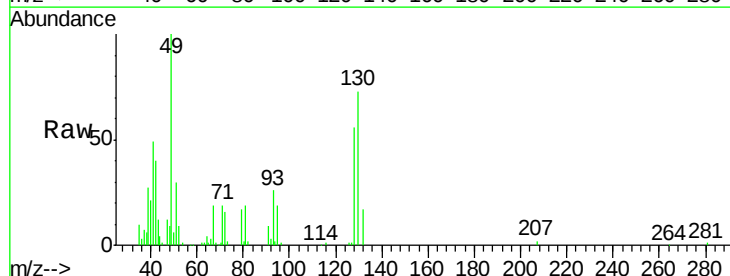
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



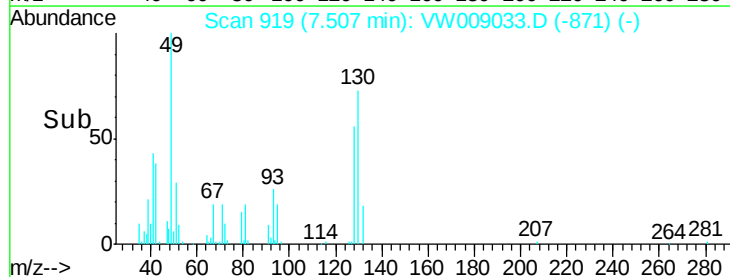
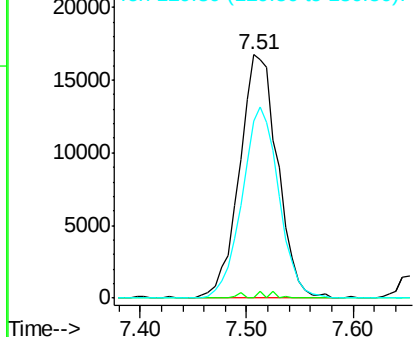
#28

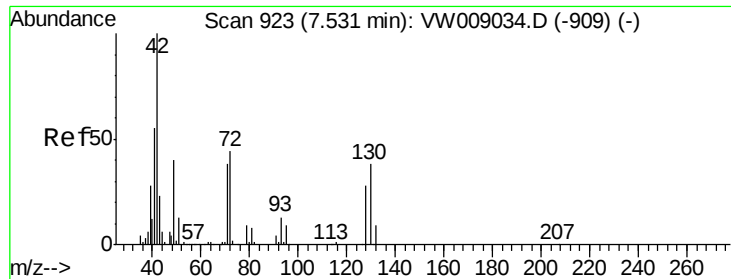
Bromochloromethane
 Concen: 19.094 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion: 49 Resp: 42064
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 4.6
 130 75.9 60.4 90.6



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

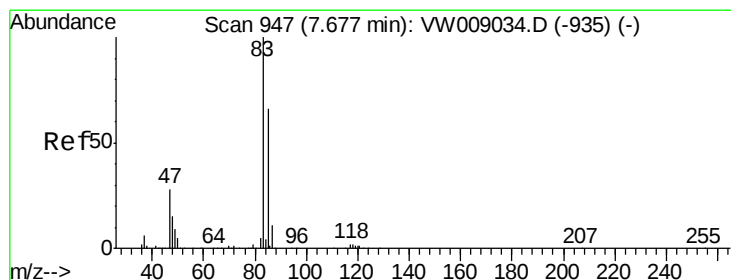
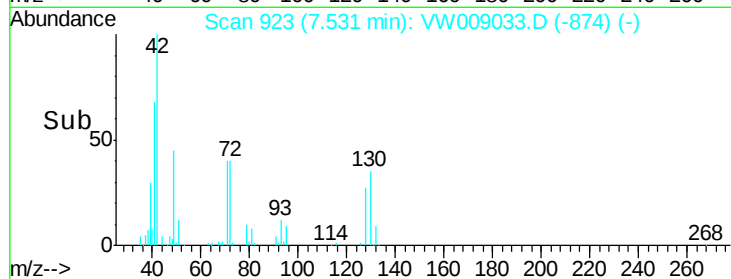
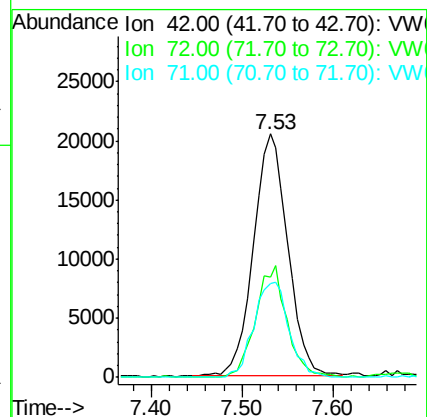
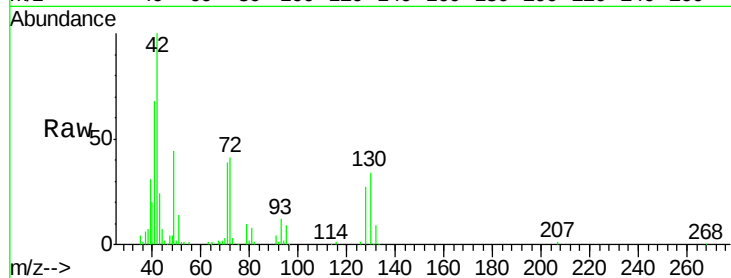




#29
Tetrahydrofuran
Concen: 92.130 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

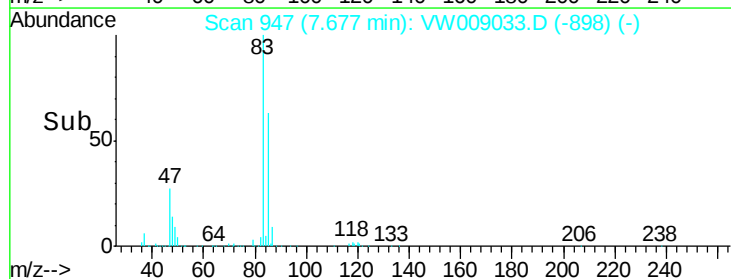
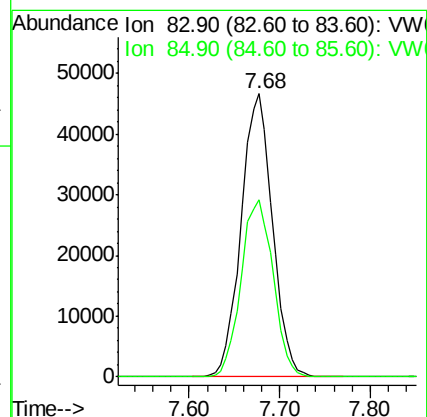
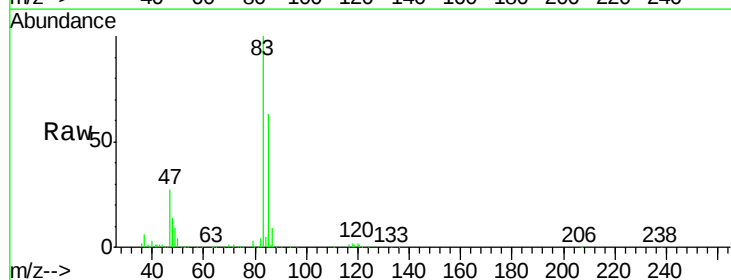
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

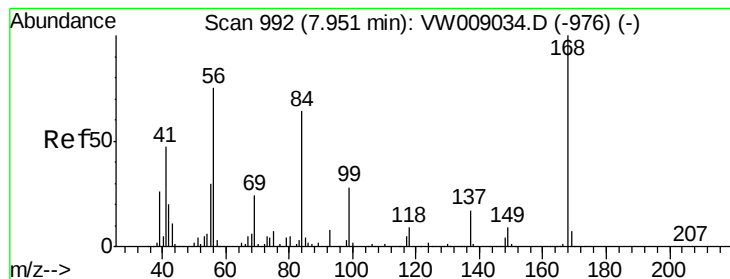
Tgt Ion: 42 Resp: 53698
Ion Ratio Lower Upper
42 100
72 41.9 32.2 48.4
71 39.9 30.7 46.1



#30
Chloroform
Concen: 20.526 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 83 Resp: 111649
Ion Ratio Lower Upper
83 100
85 62.6 53.0 79.6





#31

Cyclohexane

Concen: 20.248 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

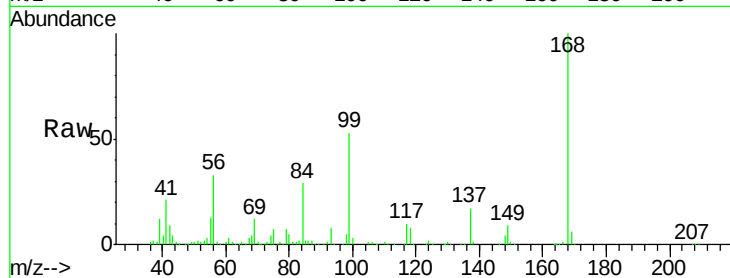
Tgt Ion: 56 Resp: 109664

Ion Ratio Lower Upper

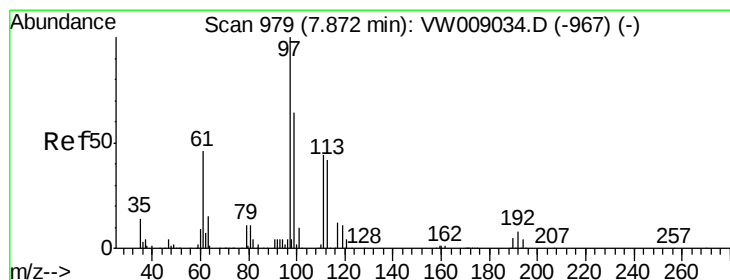
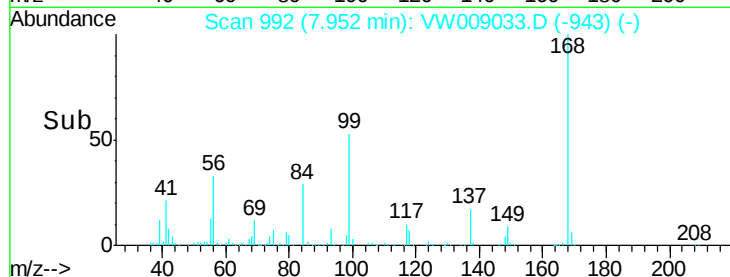
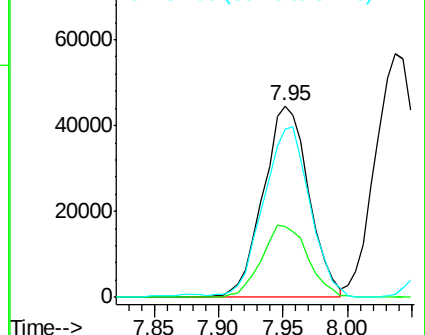
56 100

69 36.4 25.5 38.3

84 86.3 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 20.713 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

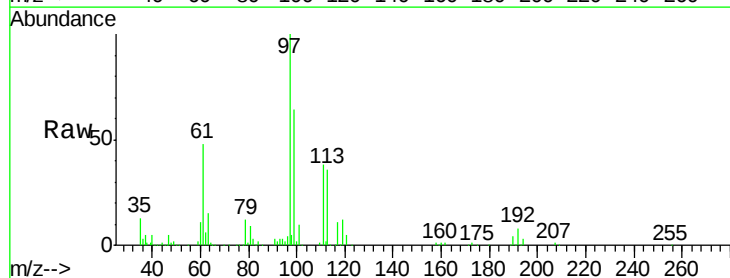
Tgt Ion: 97 Resp: 103752

Ion Ratio Lower Upper

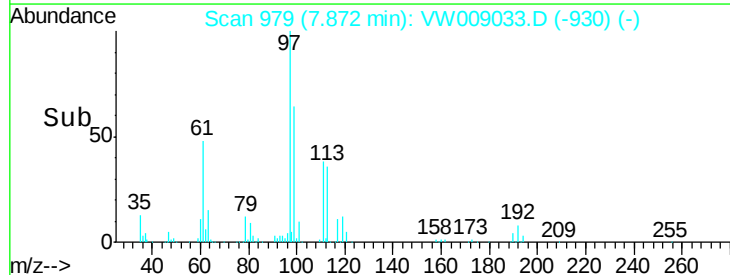
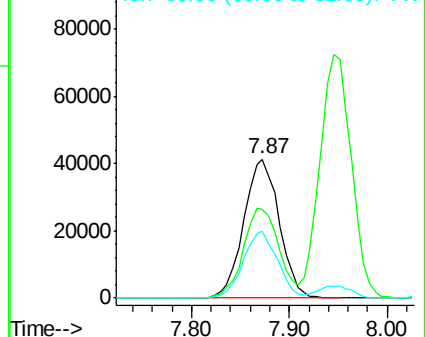
97 100

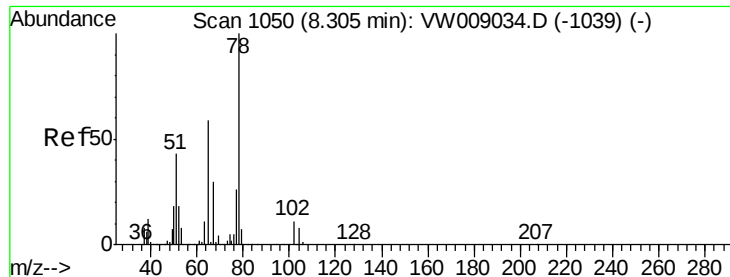
99 65.5 51.8 77.8

61 46.7 37.3 55.9



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

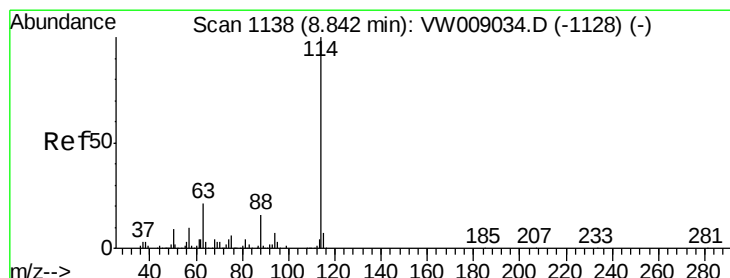
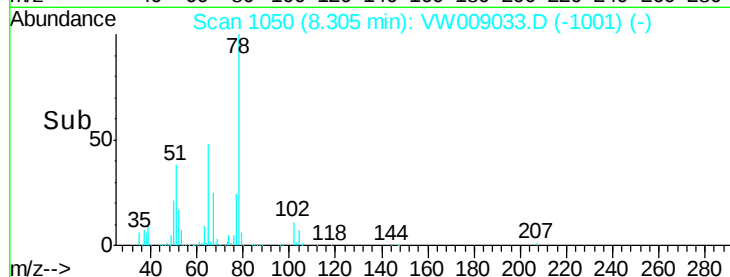
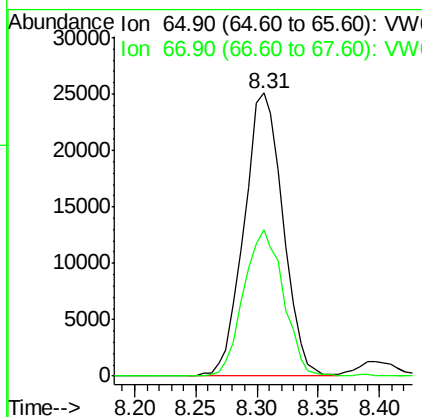
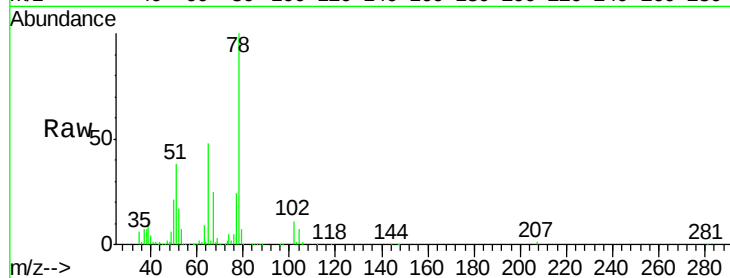




#33
 1,2-Dichloroethane-d4
 Concen: 18.559 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

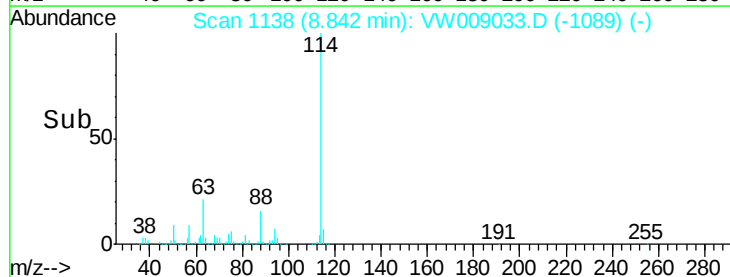
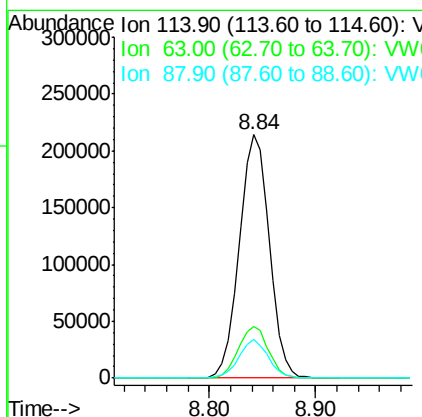
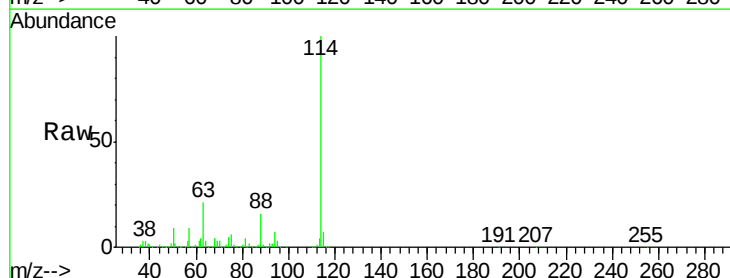
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

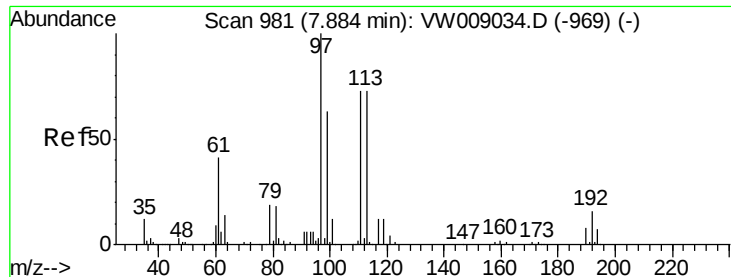
Tgt Ion: 65 Resp: 55611
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion: 114 Resp: 425365
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.2
 88 15.9 0.0 31.2

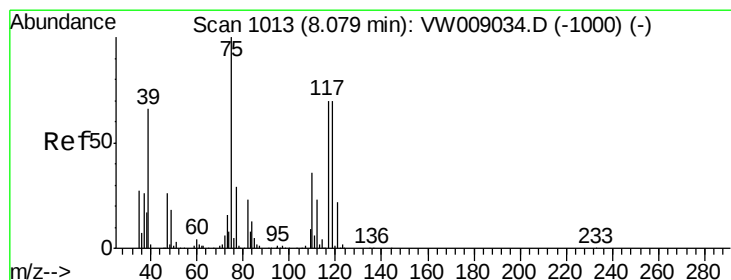
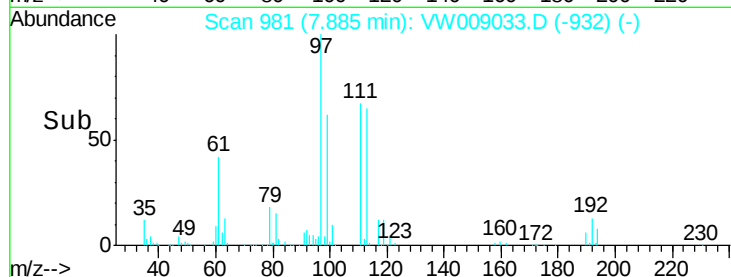
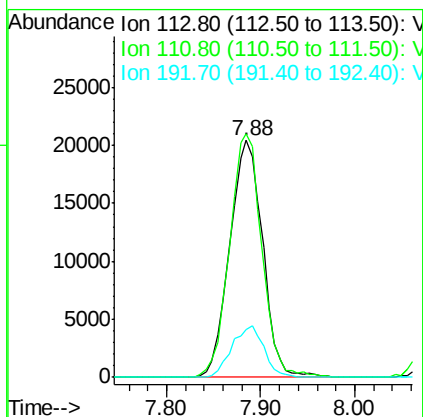
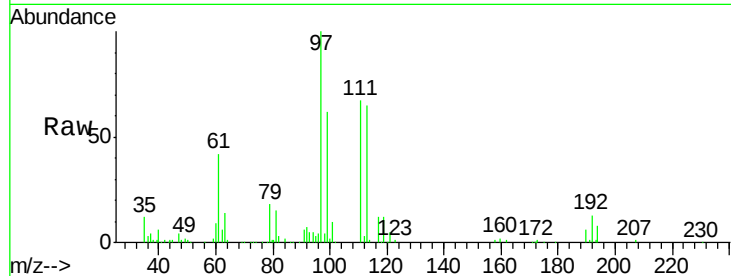




#35
 Dibromofluoromethane
 Concen: 19.359 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

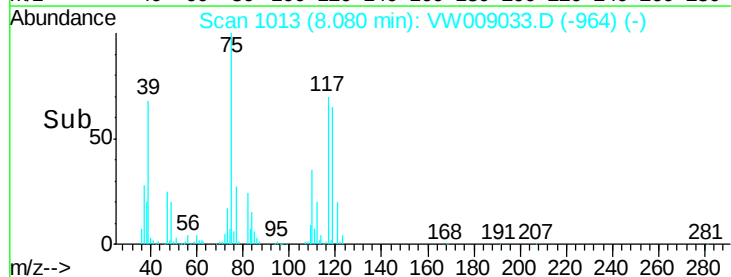
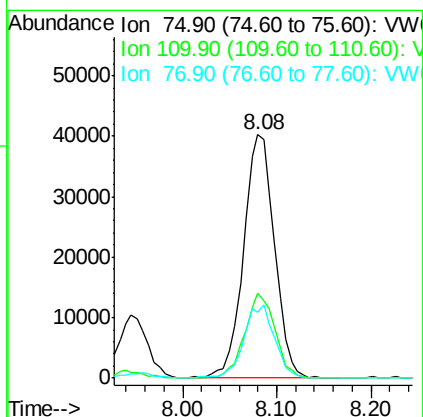
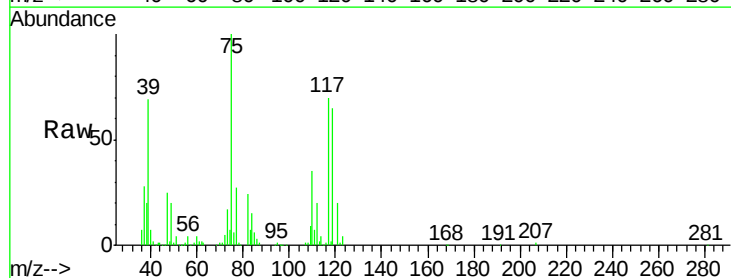
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

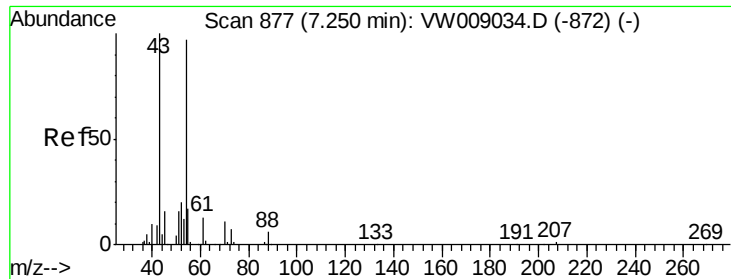
Tgt Ion: 113 Resp: 49665
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.0 121.4
 192 21.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 21.073 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion: 75 Resp: 92747
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.6 52.9
 77 29.7 25.1 37.7

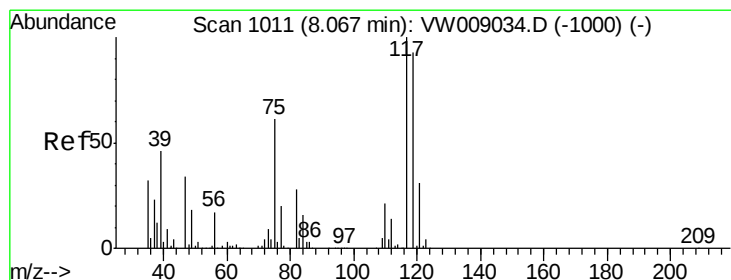
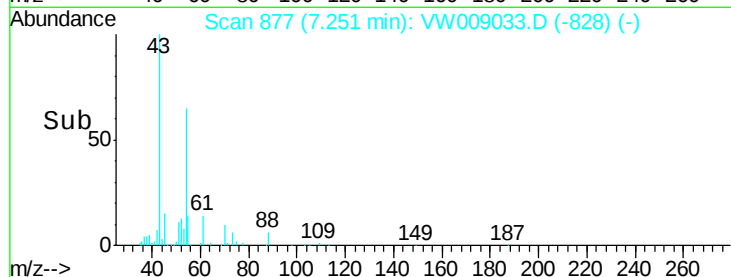
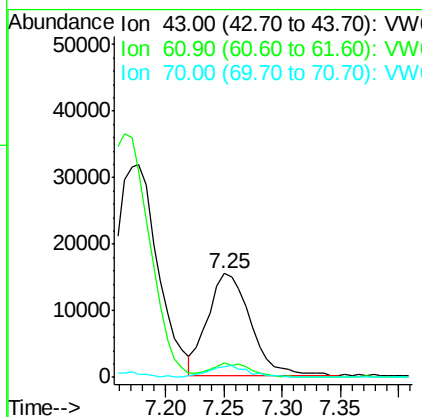
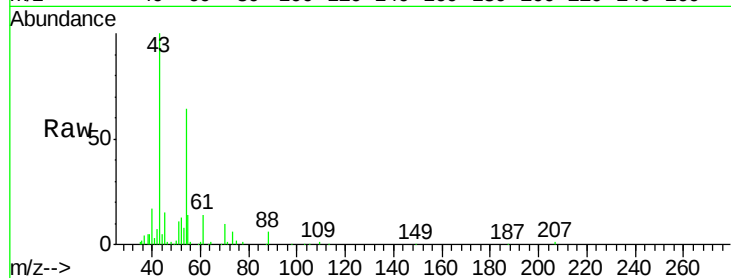




#37
Ethyl Acetate
Concen: 19.069 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

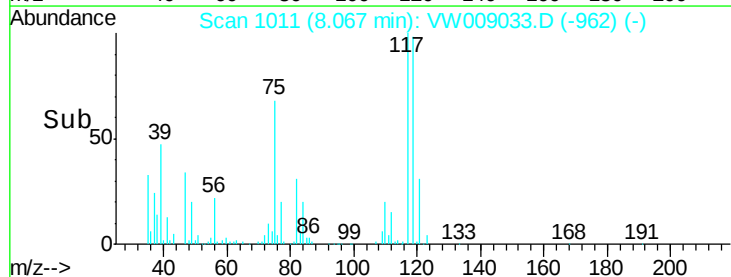
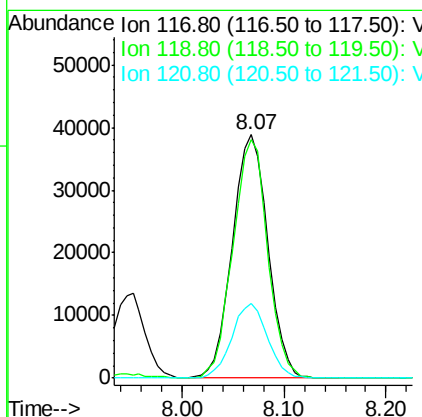
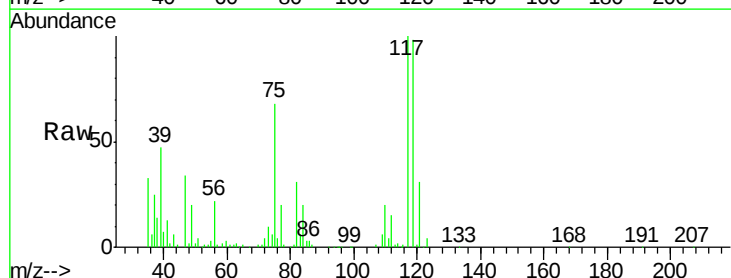
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

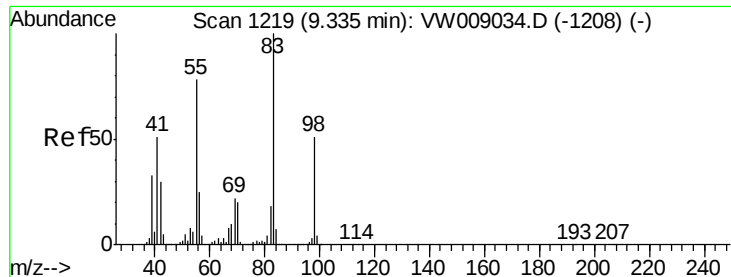
Tgt Ion: 43 Resp: 39428
Ion Ratio Lower Upper
43 100
61 13.1 9.8 14.6
70 10.8 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 20.639 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 117 Resp: 94139
Ion Ratio Lower Upper
117 100
119 97.6 74.6 112.0
121 30.6 24.7 37.1

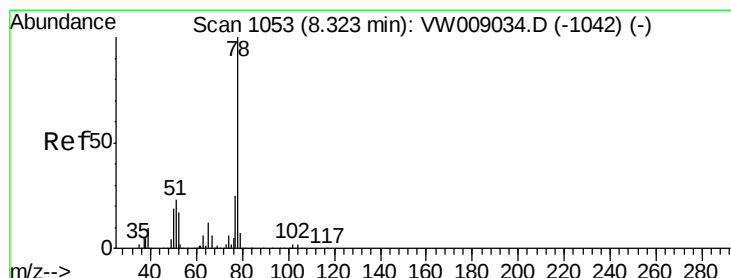
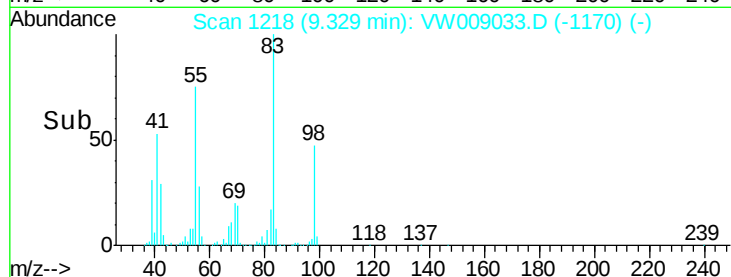
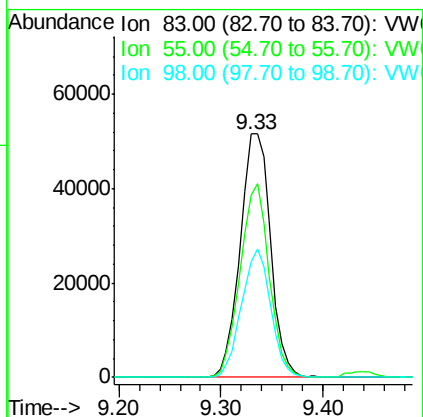
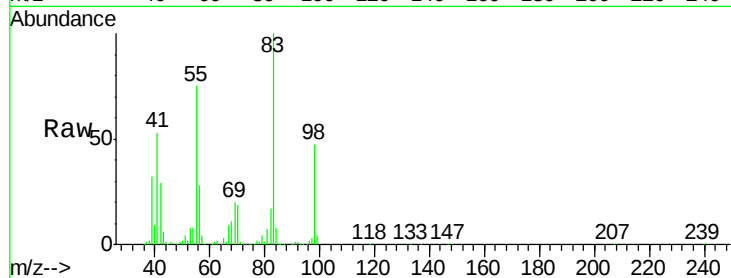




#39
Methylcyclohexane
Concen: 20.330 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

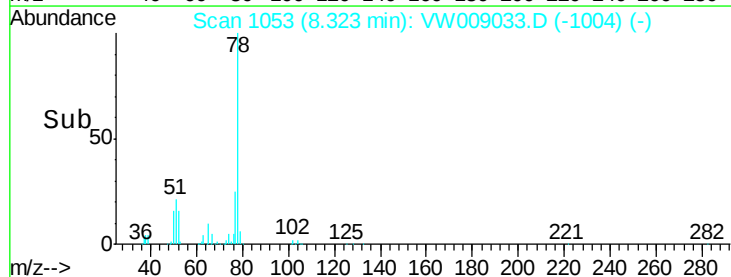
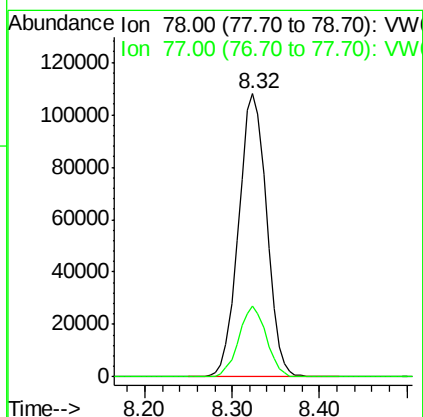
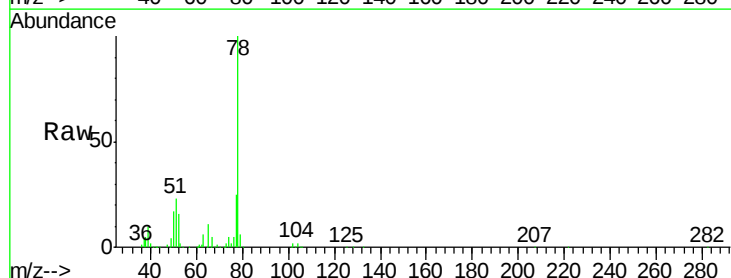
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

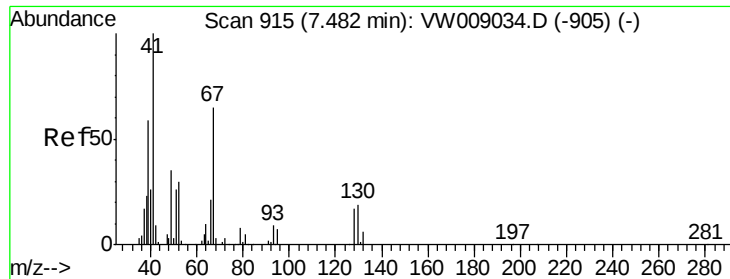
Tgt Ion: 83 Resp: 107165
Ion Ratio Lower Upper
83 100
55 74.5 62.7 94.1
98 47.5 40.8 61.2



#40
Benzene
Concen: 20.594 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 78 Resp: 241001
Ion Ratio Lower Upper
78 100
77 25.1 20.2 30.4

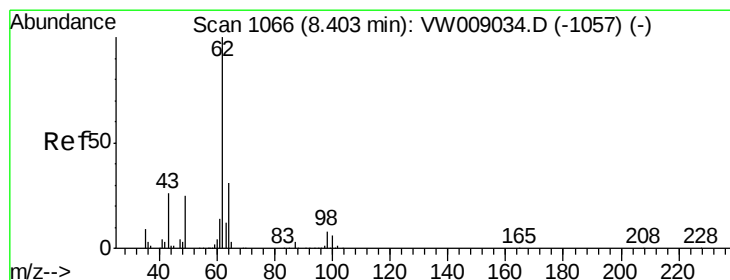
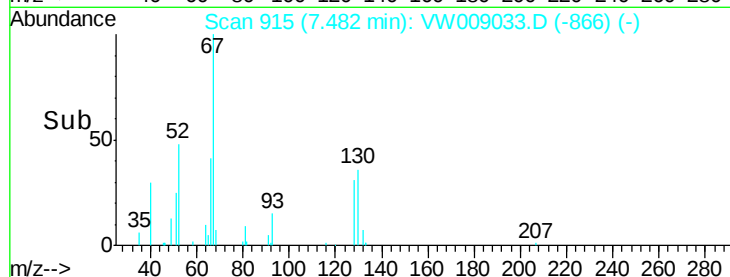
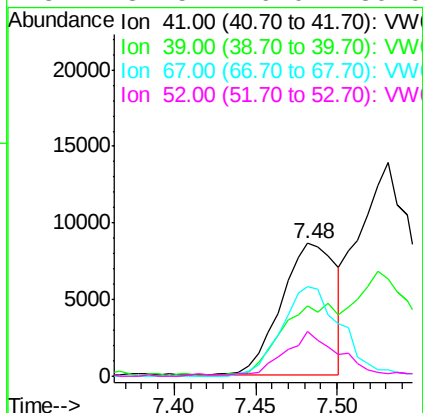
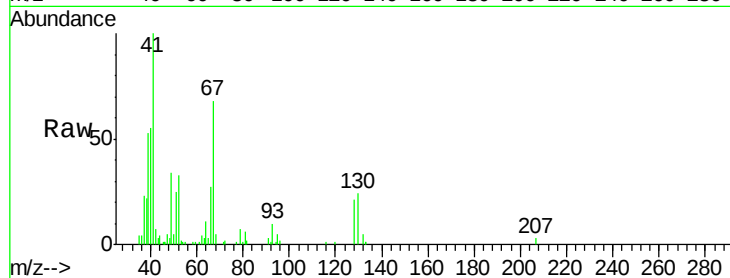




#41
Methacrylonitrile
Concen: 18.316 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

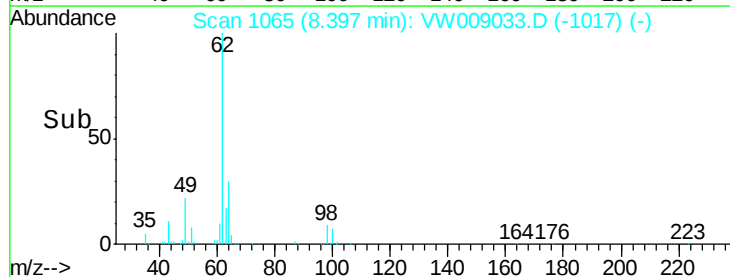
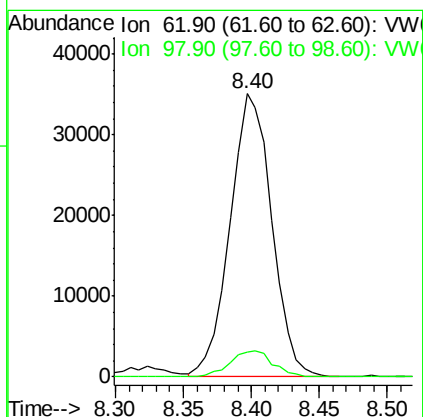
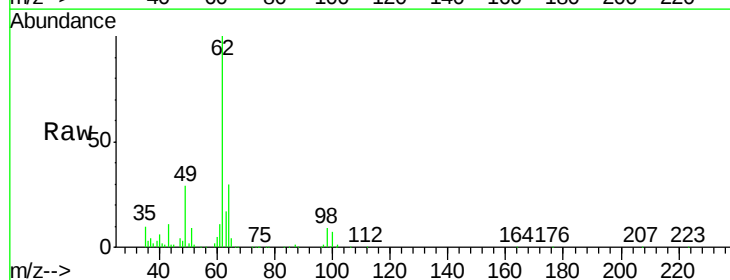
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

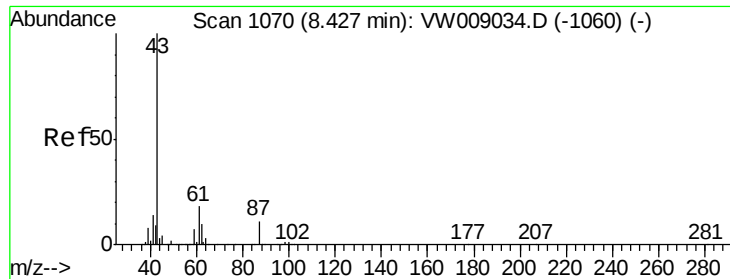
Tgt Ion:	41	Resp:	19958
Ion	Ratio	Lower	Upper
41	100		
39	57.0	53.6	80.4
67	74.7	57.6	86.4
52	34.5	26.0	39.0



#42
1,2-Dichloroethane
Concen: 19.679 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion:	62	Resp:	75047
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.6

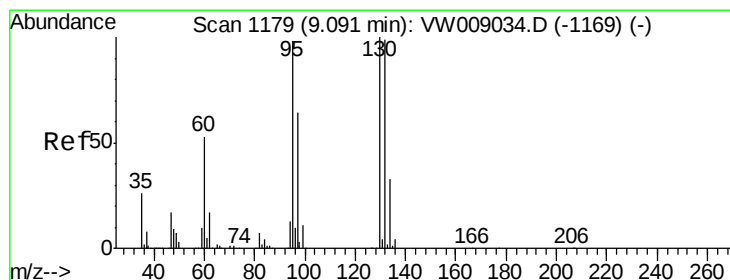
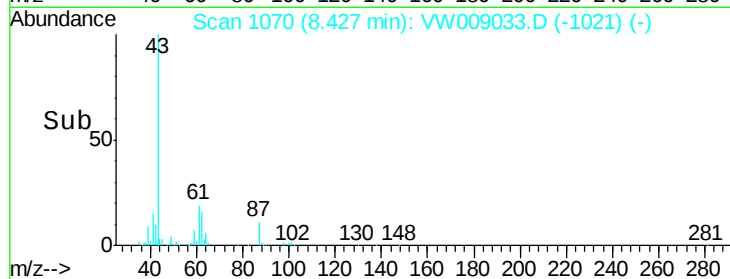
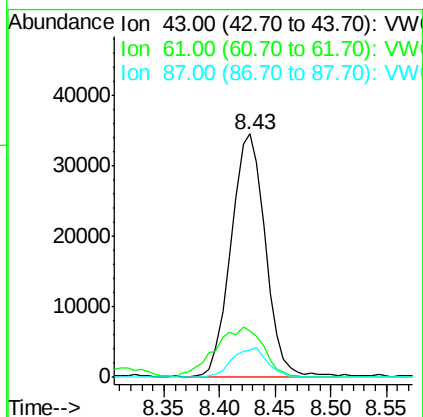
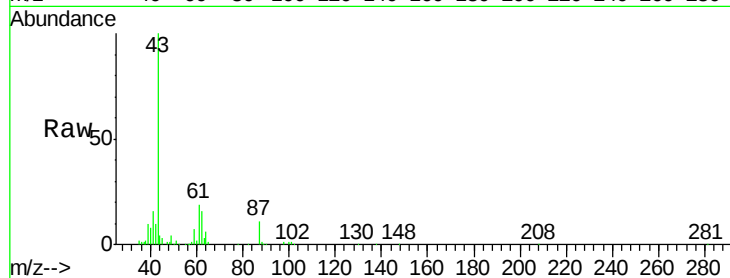




#43
Isopropyl Acetate
Concen: 18.976 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

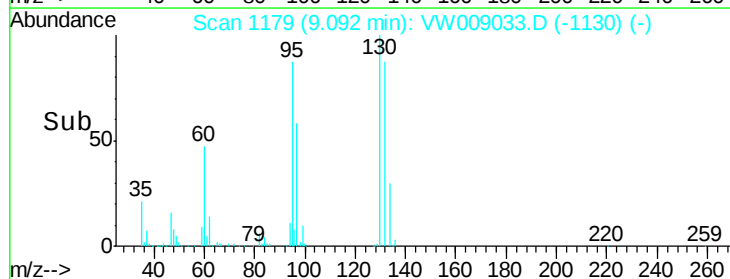
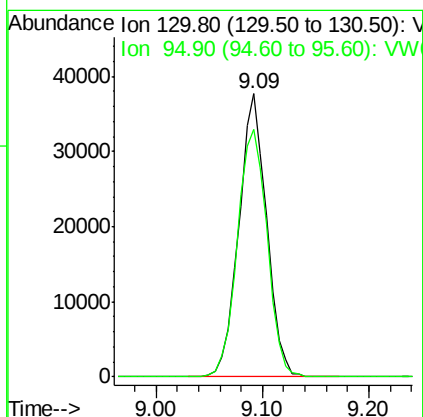
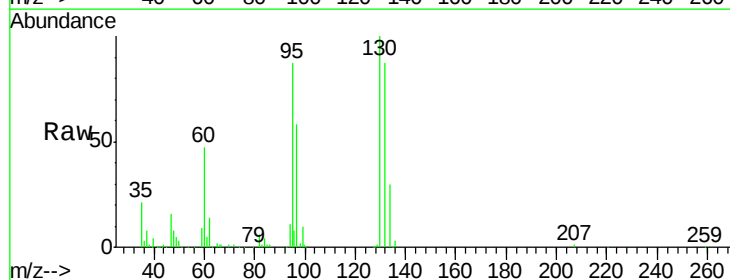
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

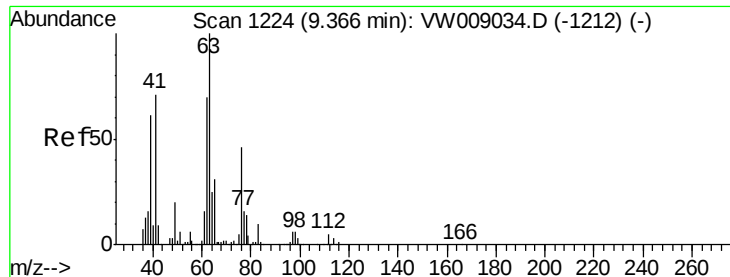
Tgt Ion: 43 Resp: 73393
Ion Ratio Lower Upper
43 100
61 29.6 22.8 34.2
87 12.5 9.4 14.2



#44
Trichloroethene
Concen: 21.070 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 130 Resp: 69322
Ion Ratio Lower Upper
130 100
95 87.3 0.0 197.0





#45

1,2-Dichloropropane

Concen: 20.605 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

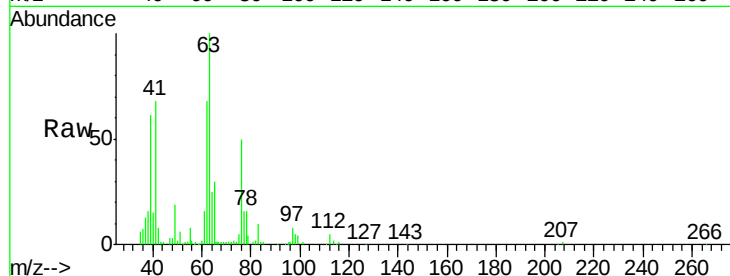
VSTDIC020

Tgt Ion: 63 Resp: 59985

Ion Ratio Lower Upper

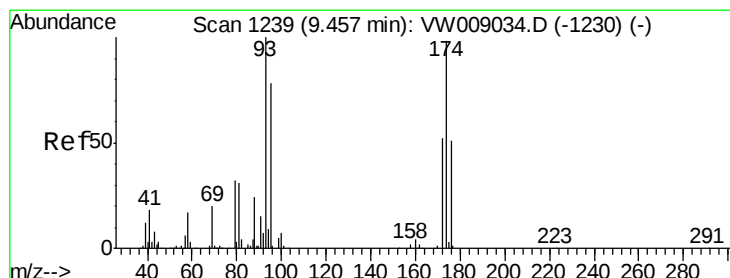
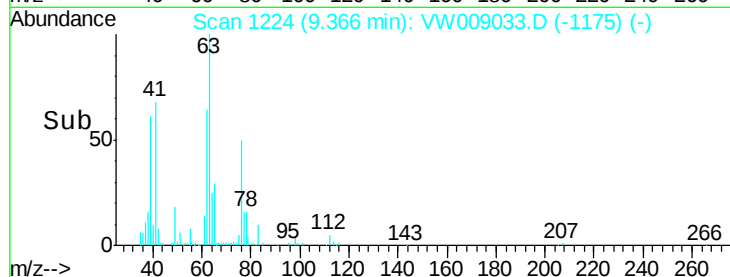
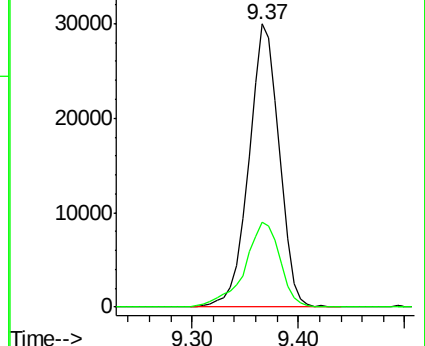
63 100

65 30.0 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.047 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

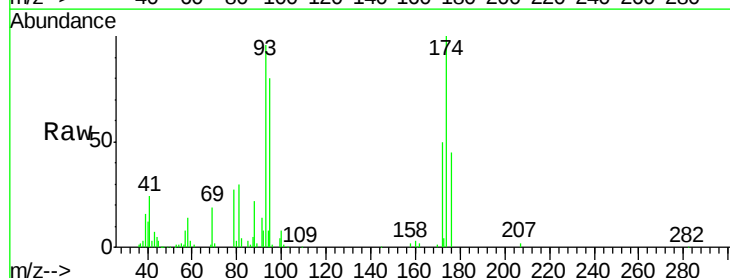
Tgt Ion: 93 Resp: 32415

Ion Ratio Lower Upper

93 100

95 84.6 65.0 97.6

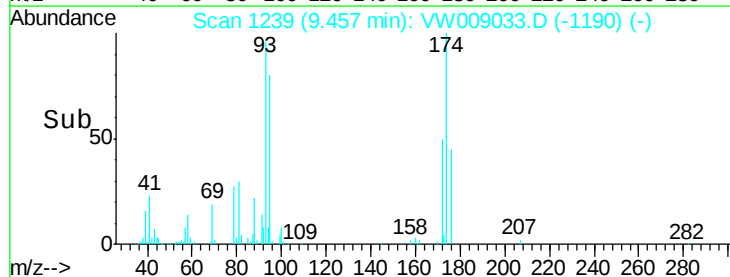
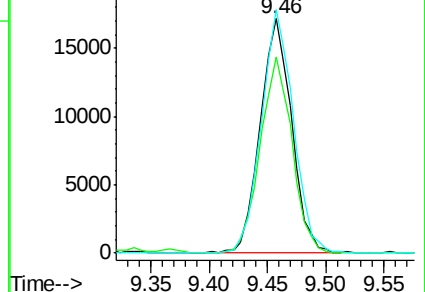
174 105.3 81.8 122.6

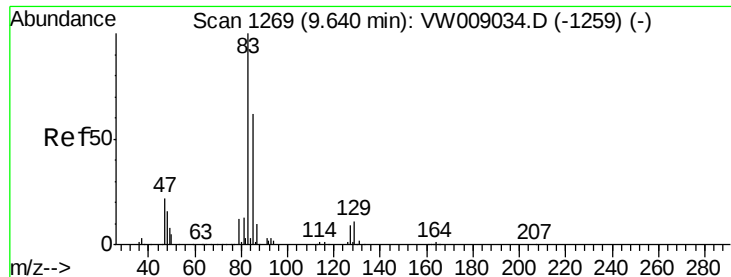


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

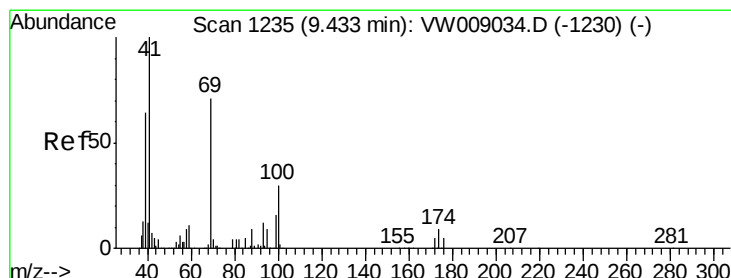
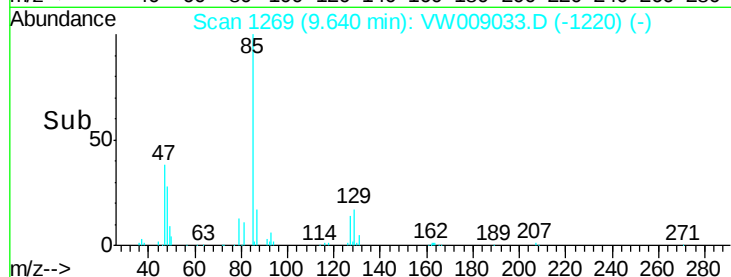
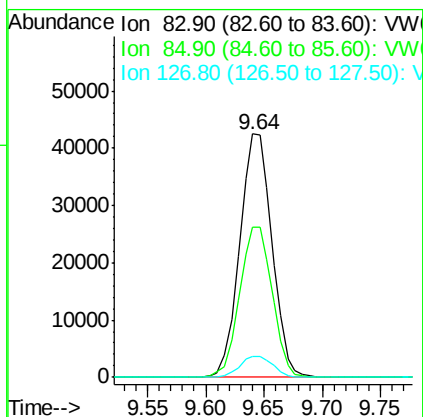
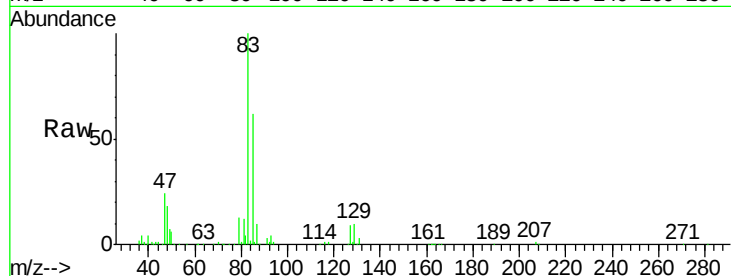




#47
 Bromodichloromethane
 Concen: 20.159 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

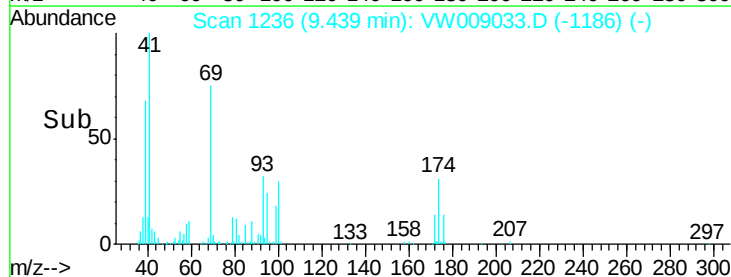
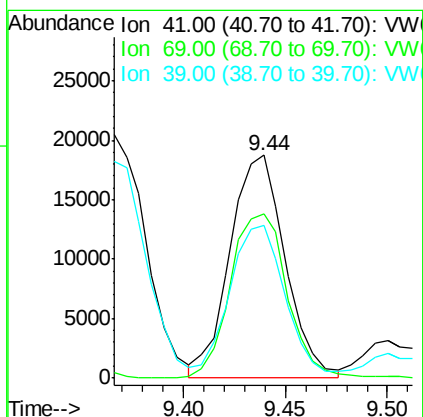
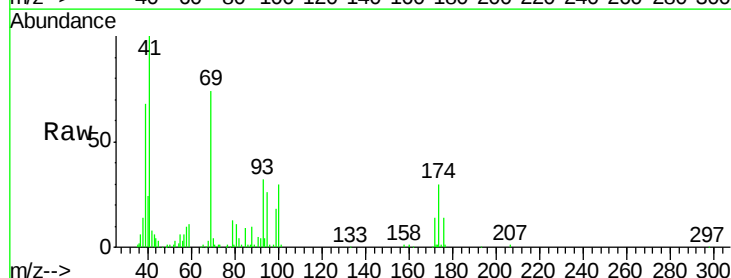
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

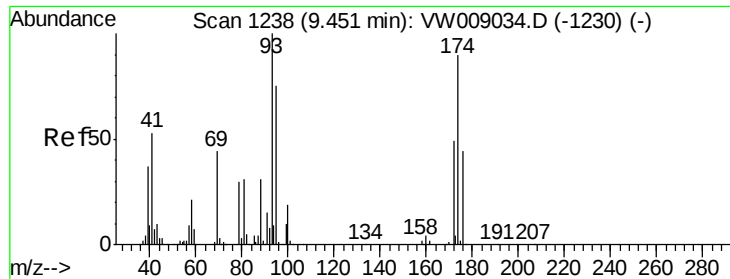
Tgt Ion: 83 Resp: 82155
 Ion Ratio Lower Upper
 83 100
 85 61.6 49.9 74.9
 127 8.6 7.1 10.7



#48
 Methyl methacrylate
 Concen: 19.196 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion: 41 Resp: 35010
 Ion Ratio Lower Upper
 41 100
 69 77.0 59.1 88.7
 39 63.4 48.9 73.3





#49

1,4-Dioxane

Concen: 350.709 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

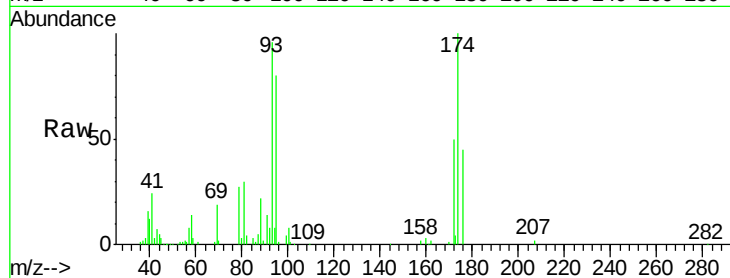
Tgt Ion: 88 Resp: 8325

Ion Ratio Lower Upper

88 100

43 33.5 29.0 43.4

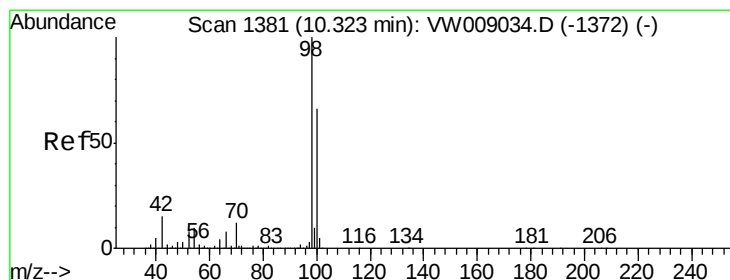
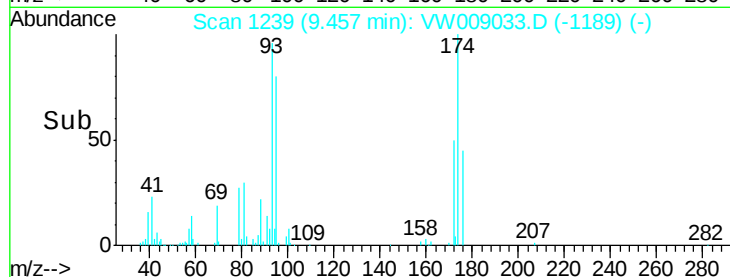
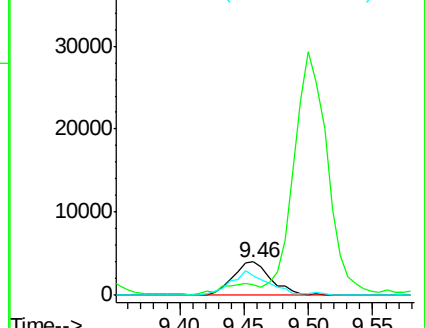
58 73.1 59.2 88.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 18.030 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009033.D

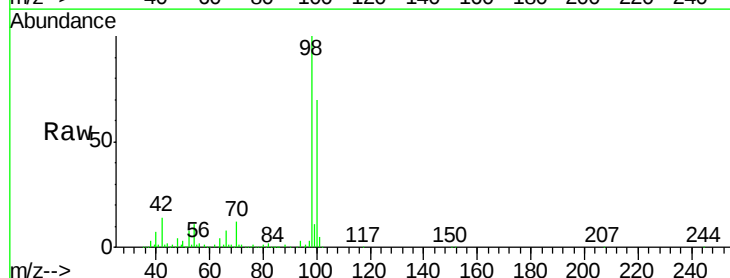
Acq: 07 Mar 2019 11:46

Tgt Ion: 98 Resp: 191289

Ion Ratio Lower Upper

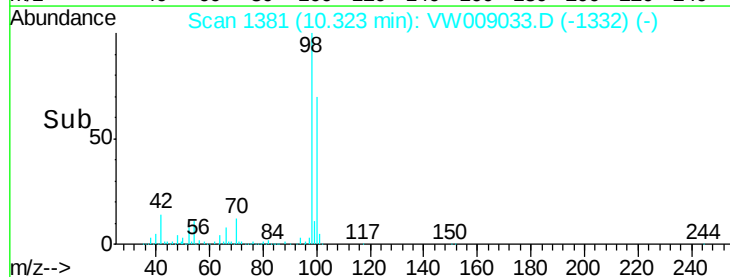
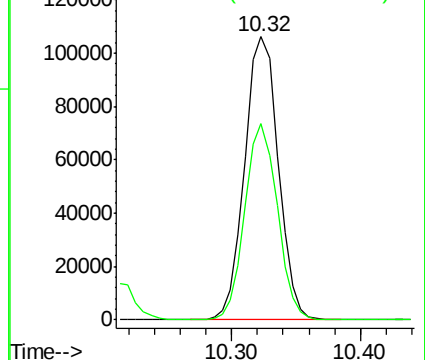
98 100

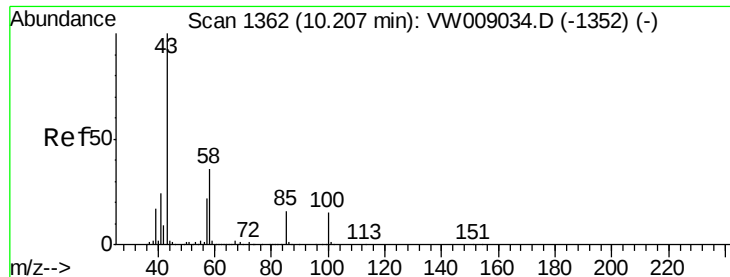
100 67.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 93.301 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

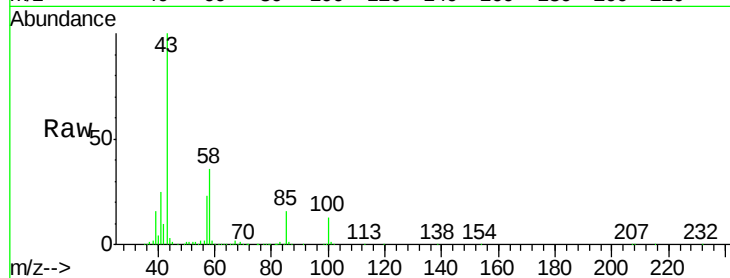
VSTDIC020

Tgt Ion: 43 Resp: 183927

Ion Ratio Lower Upper

43 100

58 35.4 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

100000

80000

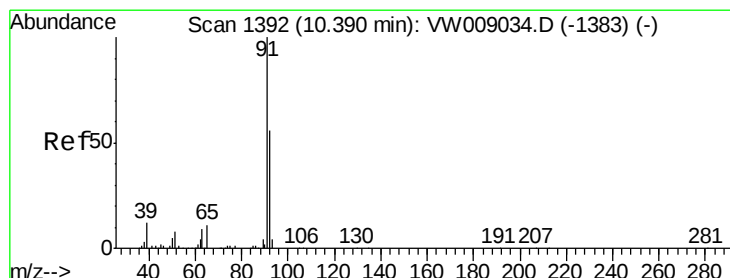
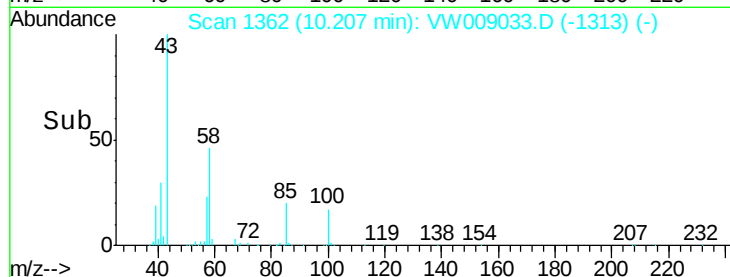
60000

40000

20000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.625 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009033.D

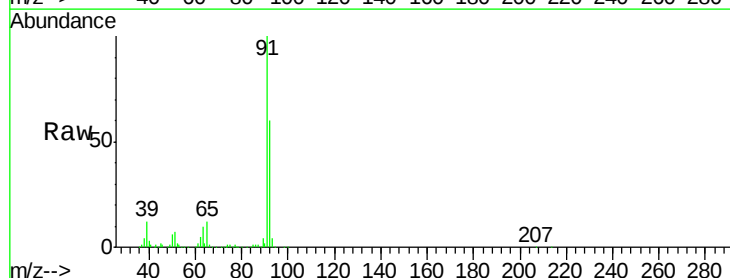
Acq: 07 Mar 2019 11:46

Tgt Ion: 92 Resp: 156645

Ion Ratio Lower Upper

92 100

91 170.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

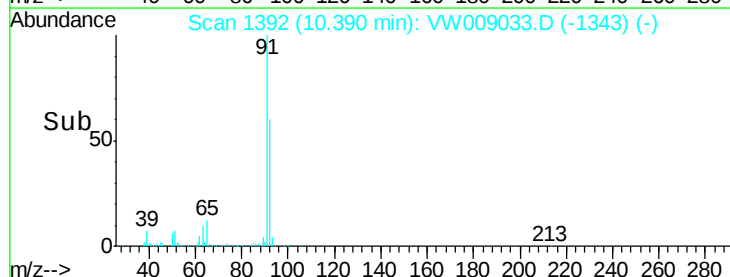
150000

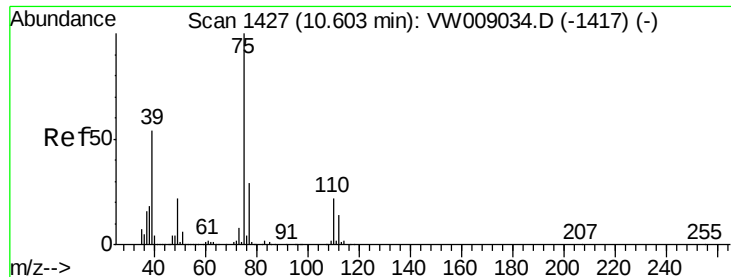
100000

50000

0

Time--> 10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 19.984 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

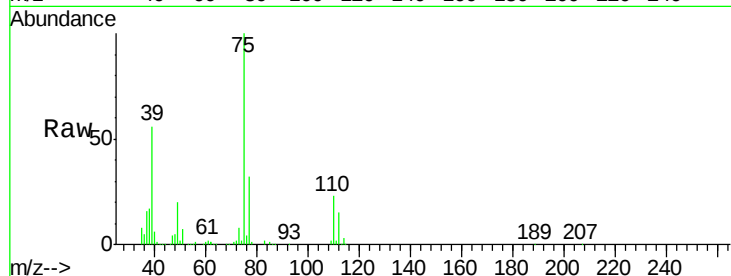
VSTDIC020

Tgt Ion: 75 Resp: 80989

Ion Ratio Lower Upper

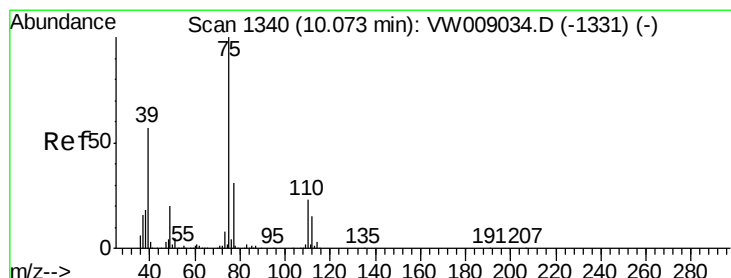
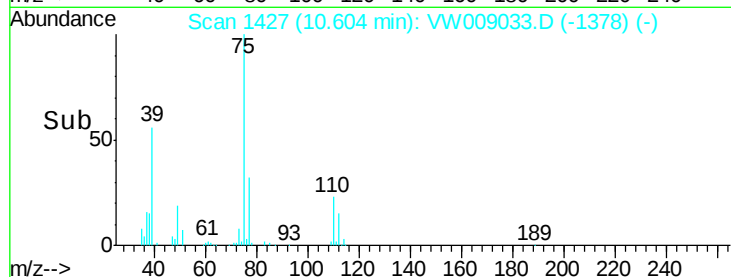
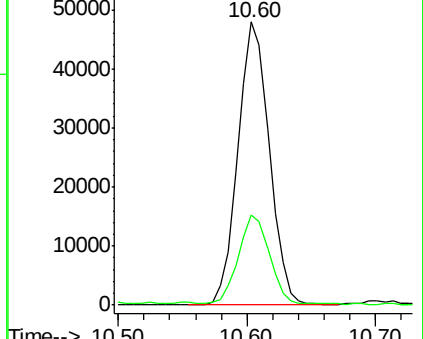
75 100

77 31.4 23.6 35.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.426 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

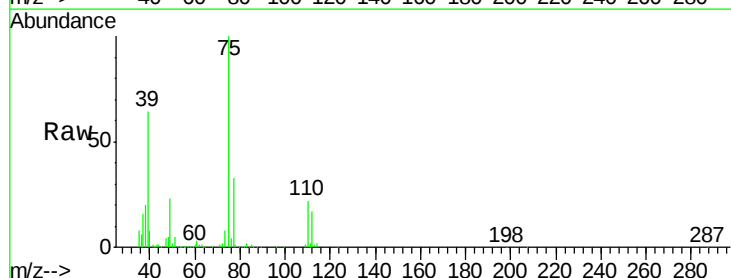
Tgt Ion: 75 Resp: 94451

Ion Ratio Lower Upper

75 100

77 33.4 24.6 36.8

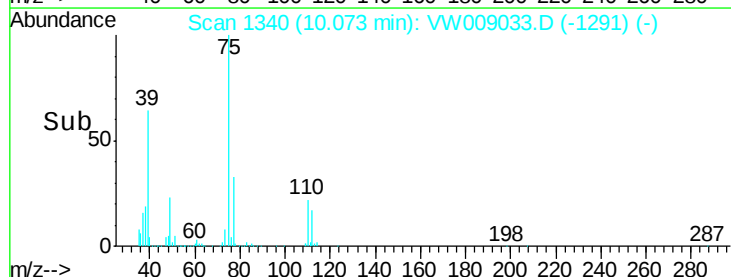
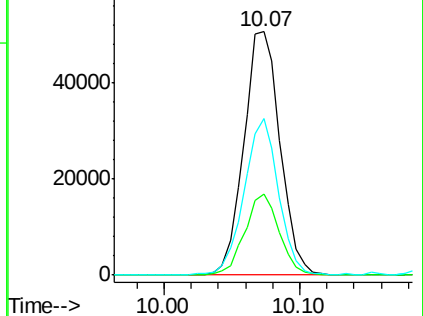
39 63.9 45.9 68.9

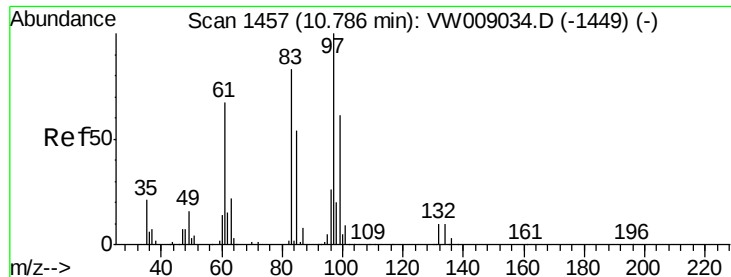


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 19.936 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 43682

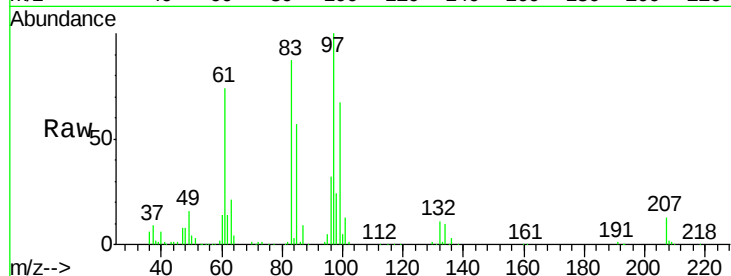
Ion Ratio Lower Upper

97 100

83 87.4 66.2 99.2

85 56.9 43.6 65.4

99 66.6 49.0 73.4

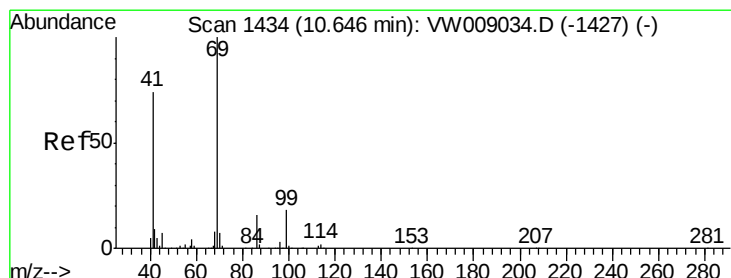
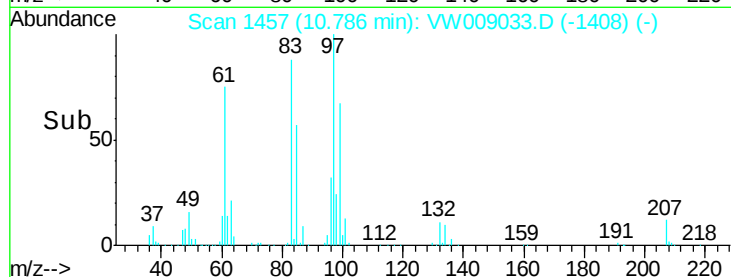
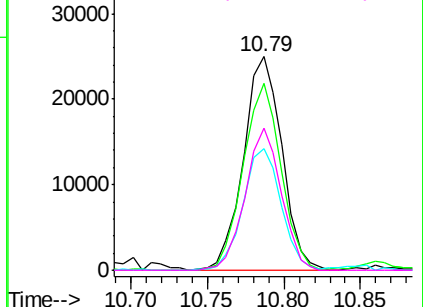


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 18.075 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

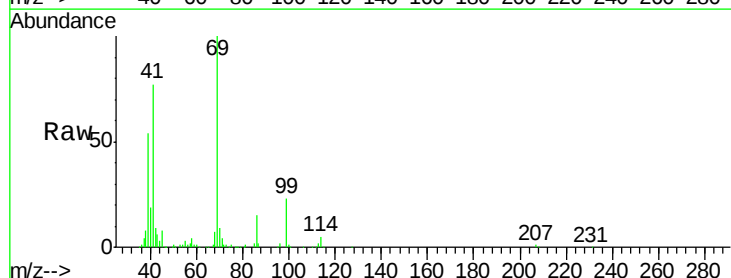
Tgt Ion: 69 Resp: 49661

Ion Ratio Lower Upper

69 100

41 76.3 59.4 89.2

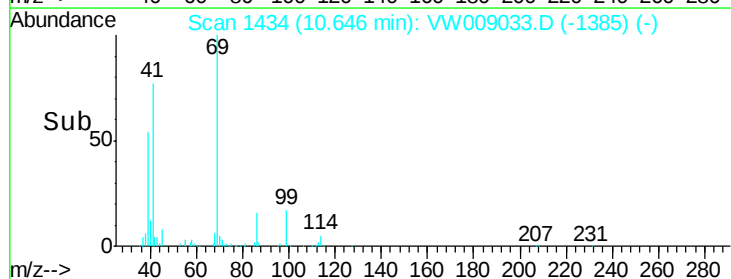
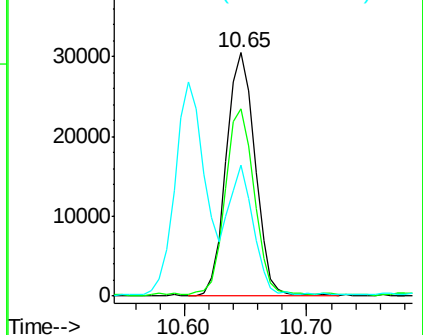
39 45.4 38.5 57.7

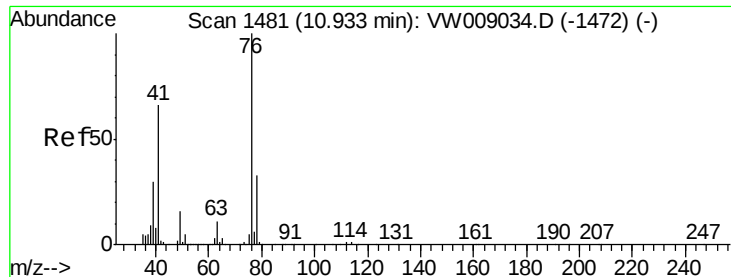


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

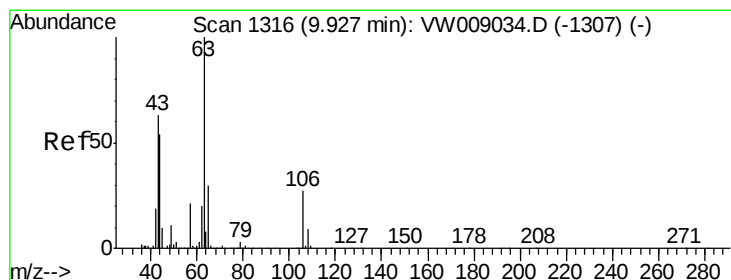
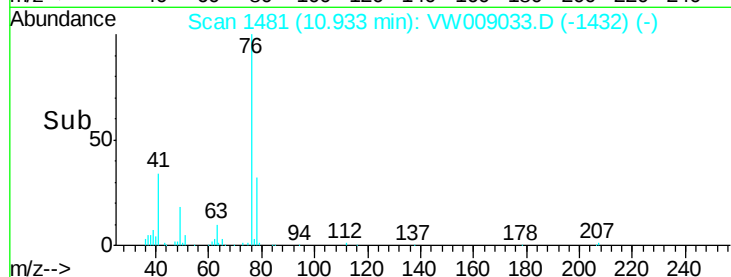
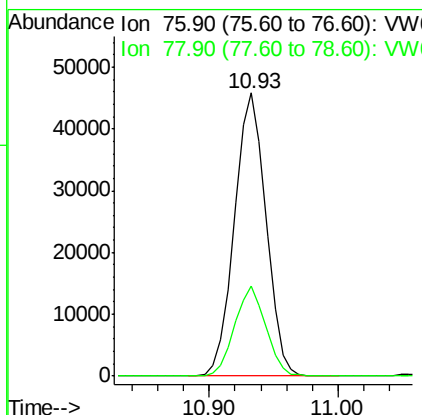
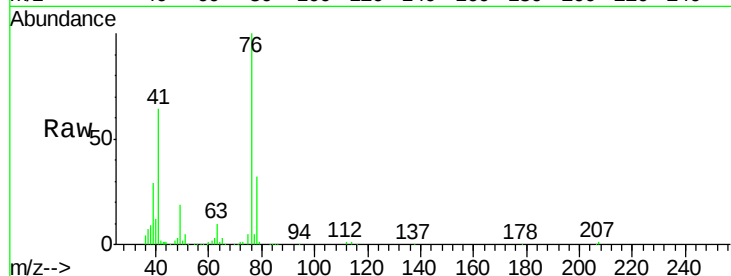




#57
 1,3-Dichloropropane
 Concen: 20.037 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

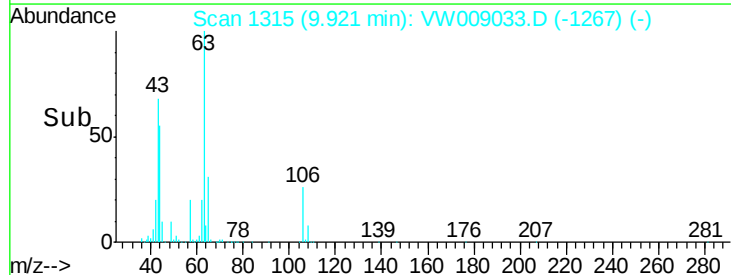
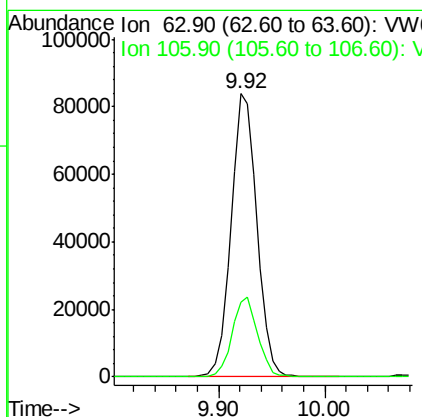
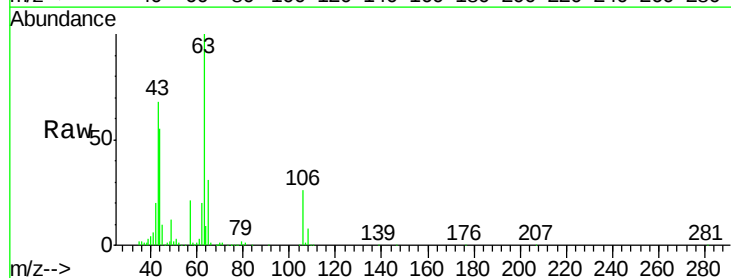
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

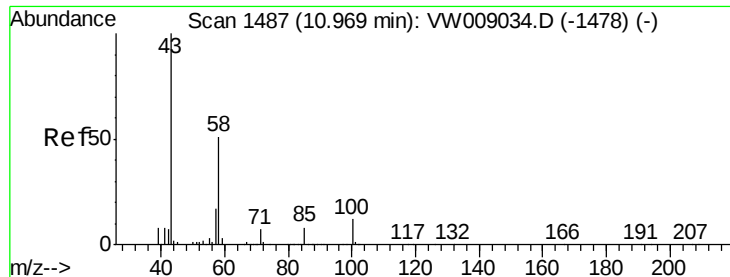
Tgt Ion: 76 Resp: 77937
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.971 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion: 63 Resp: 142712
 Ion Ratio Lower Upper
 63 100
 106 27.8 23.0 34.6

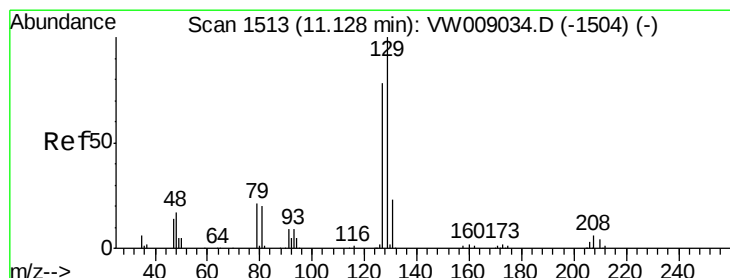
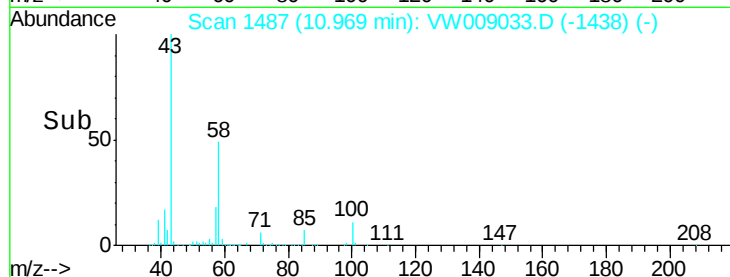
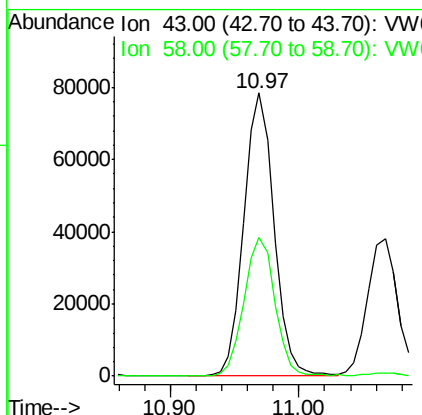
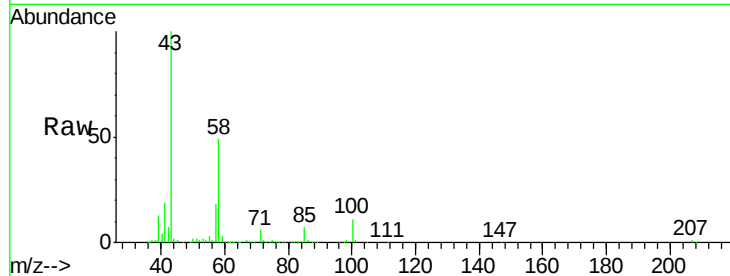




#59
2-Hexanone
Concen: 91.151 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

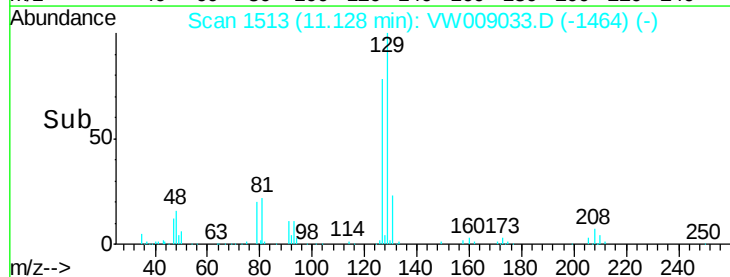
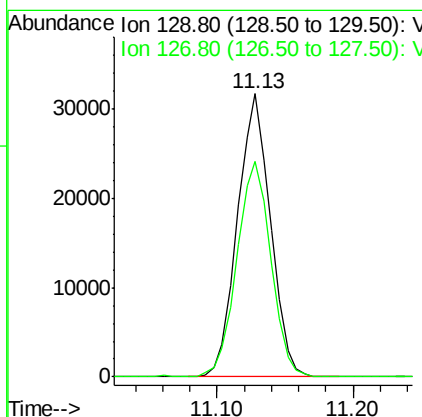
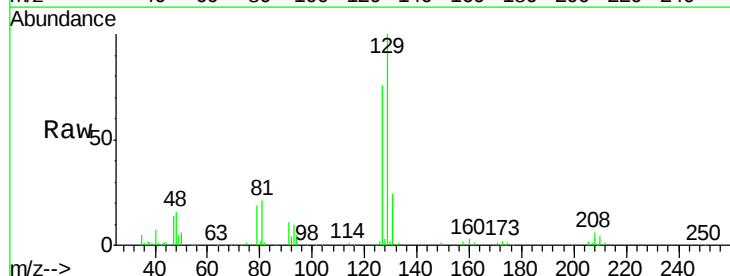
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

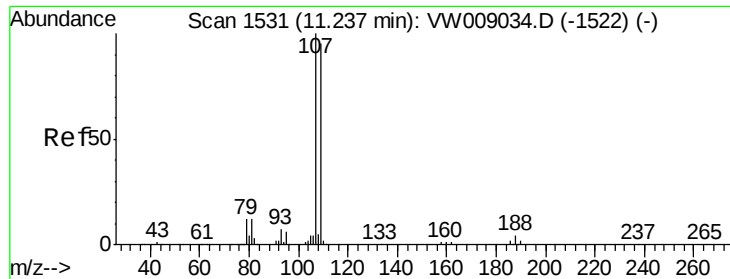
Tgt Ion: 43 Resp: 126860
Ion Ratio Lower Upper
43 100
58 50.2 25.3 75.9



#60
Dibromochloromethane
Concen: 19.964 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 129 Resp: 53743
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.812 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

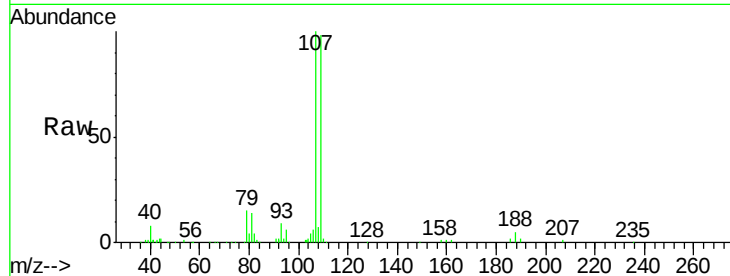
VSTDIC020

Tgt Ion: 107 Resp: 42187

Ion Ratio Lower Upper

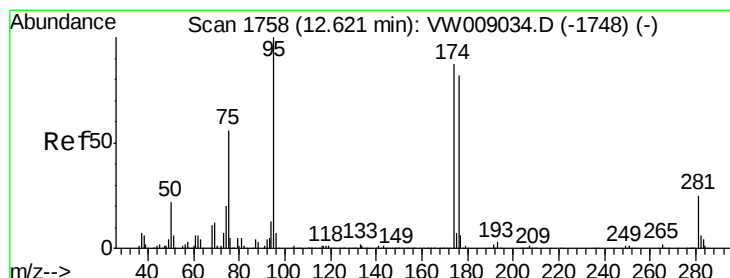
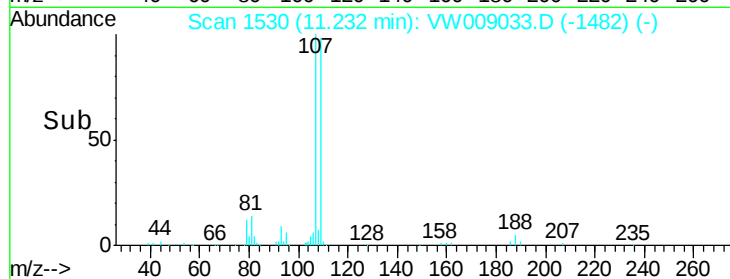
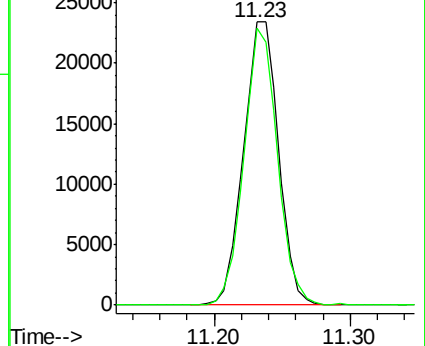
107 100

109 93.8 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.062 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

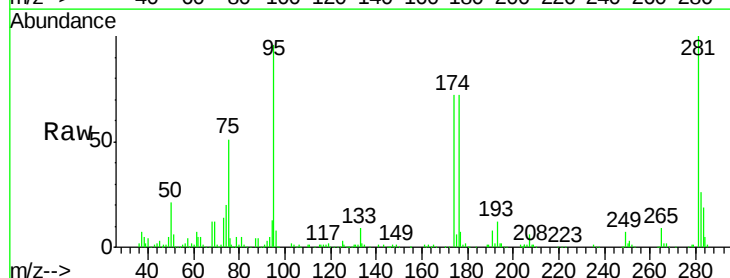
Tgt Ion: 95 Resp: 75332

Ion Ratio Lower Upper

95 100

174 83.8 0.0 167.0

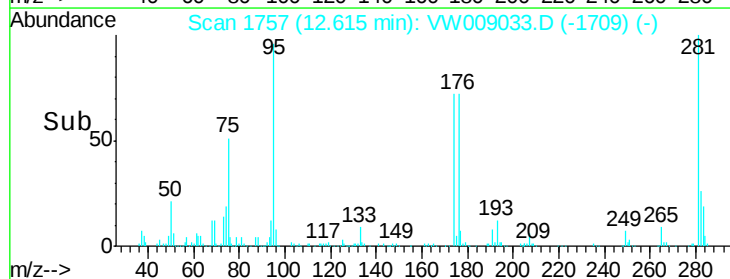
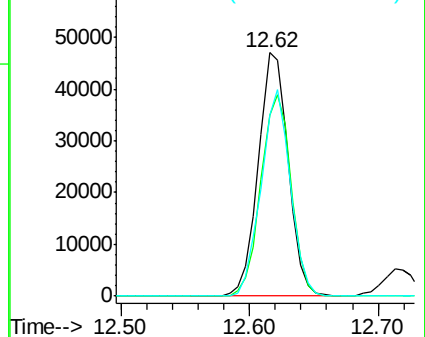
176 82.7 0.0 159.4

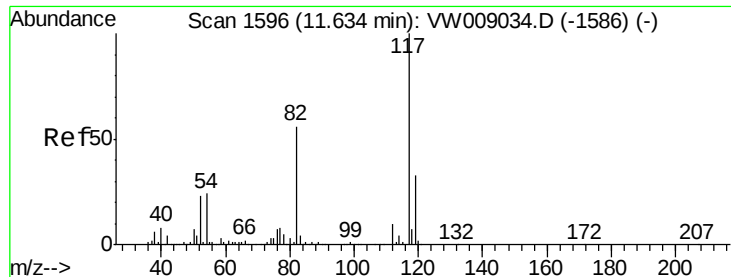


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

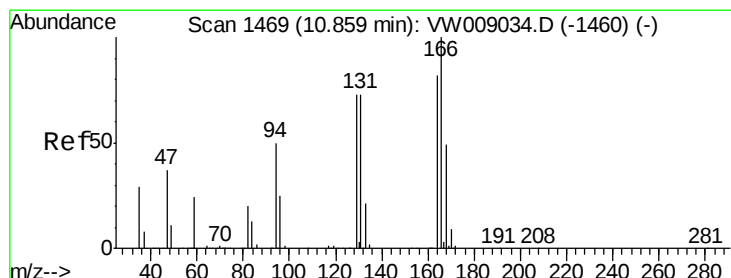
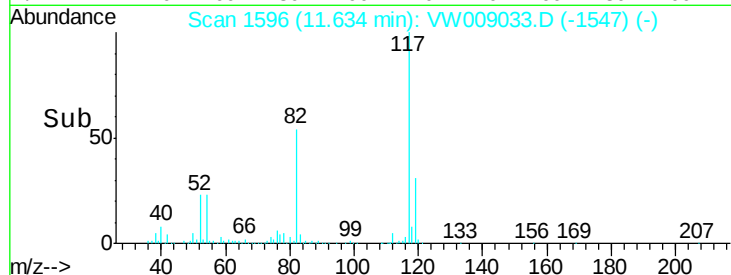
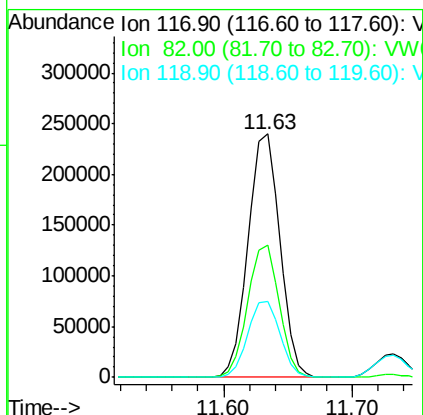
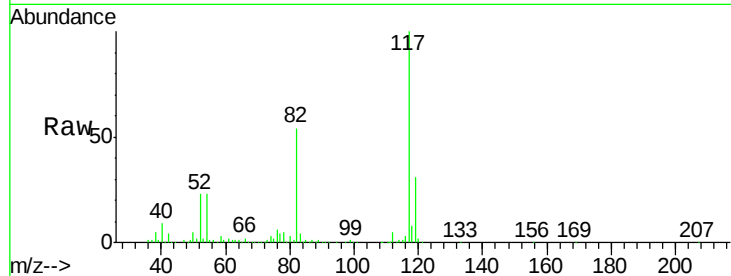




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

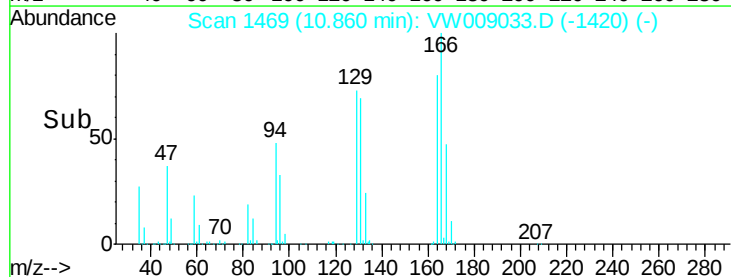
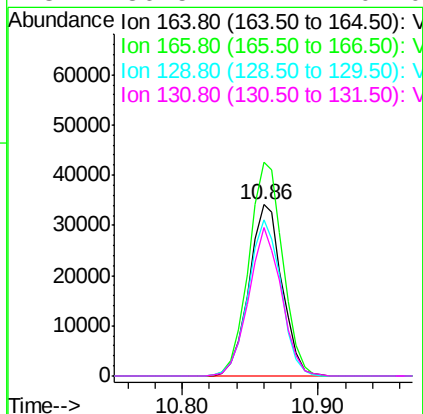
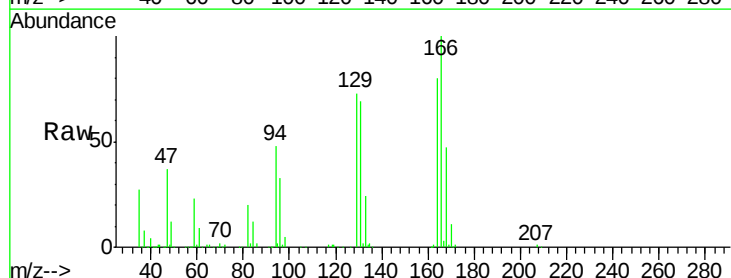
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

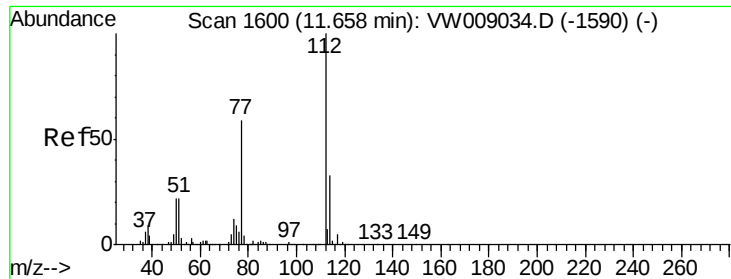
Tgt Ion:117 Resp: 407991
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.6
119 31.2 26.6 39.8



#64
Tetrachloroethene
Concen: 19.664 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion:164 Resp: 58246
Ion Ratio Lower Upper
164 100
166 124.9 97.8 146.6
129 91.1 71.6 107.4
131 86.5 71.4 107.0

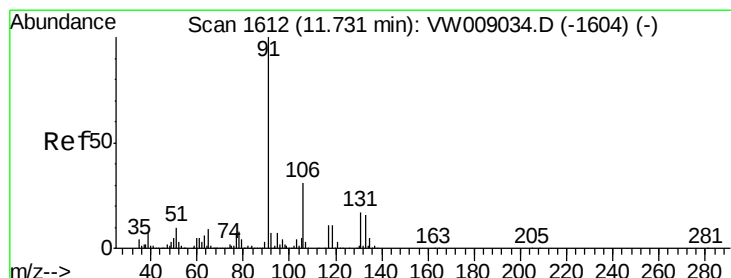
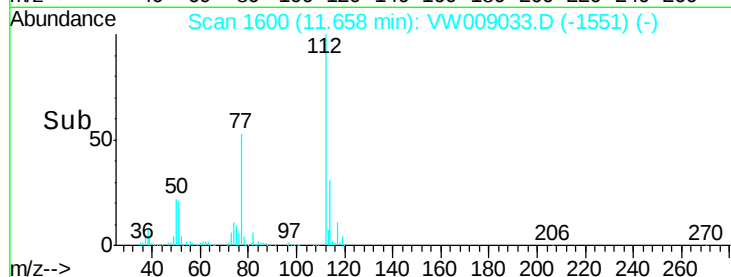
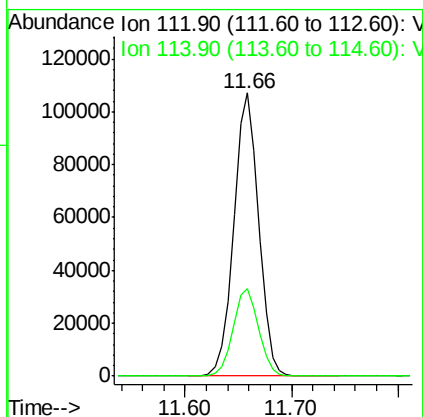
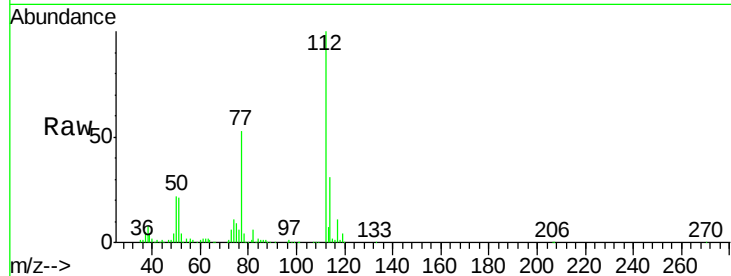




#65
Chlorobenzene
Concen: 19.904 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

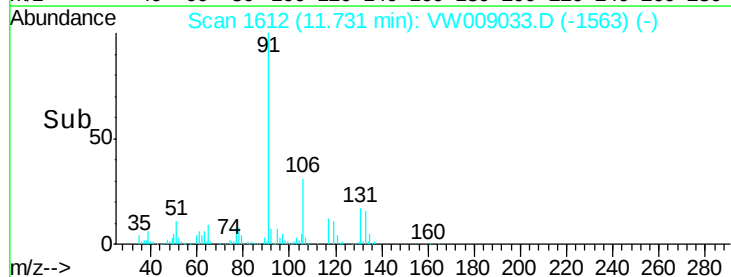
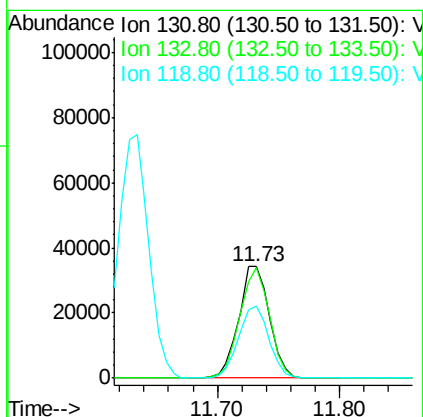
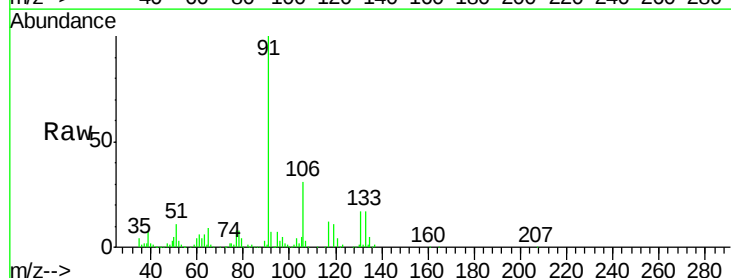
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

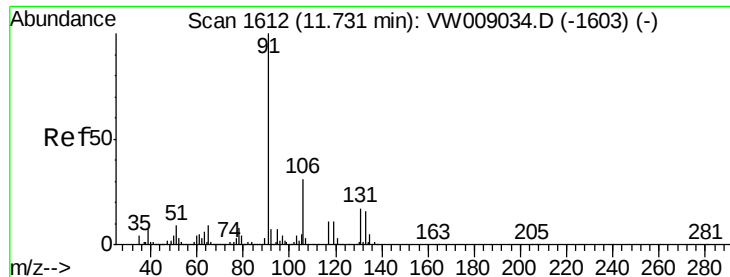
Tgt Ion:112 Resp: 174943
Ion Ratio Lower Upper
112 100
114 30.9 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.347 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion:131 Resp: 59625
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.8
119 64.0 31.3 93.8

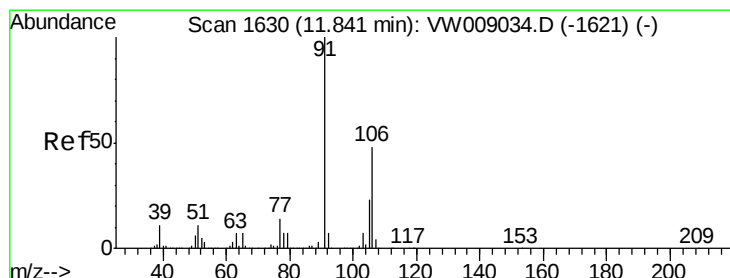
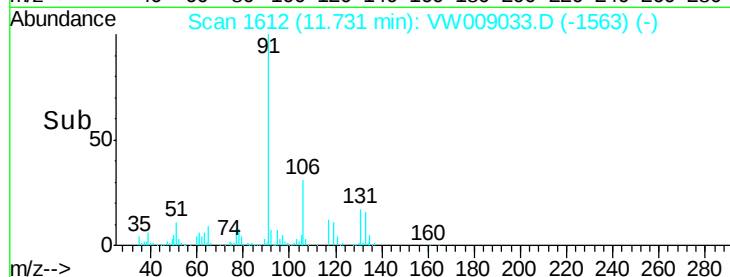
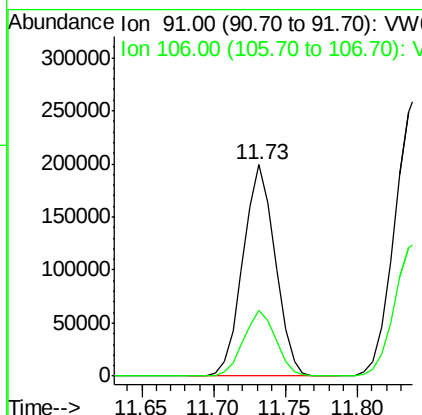
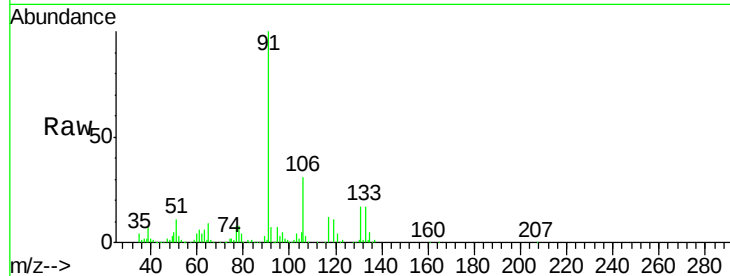




#67
Ethyl Benzene
Concen: 19.584 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

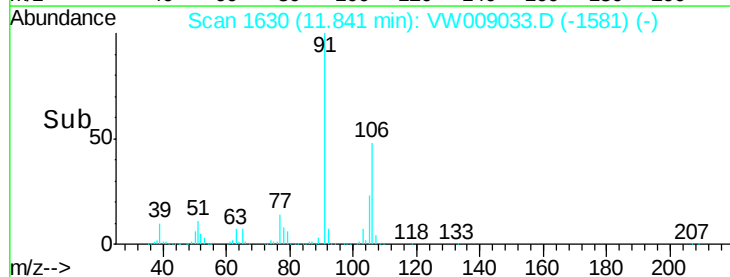
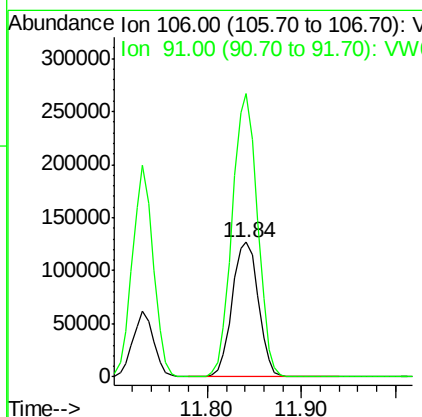
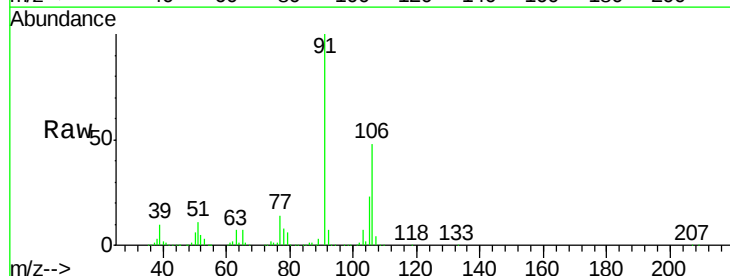
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

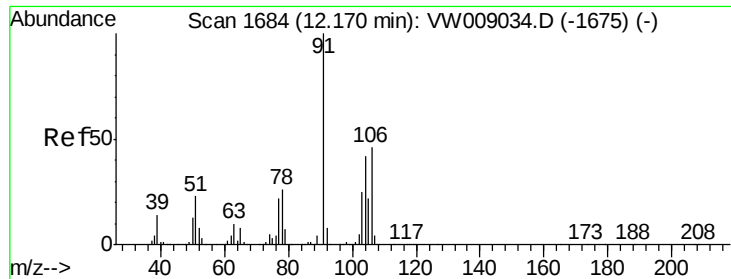
Tgt Ion: 91 Resp: 309273
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4



#68
m/p-Xylenes
Concen: 39.376 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 106 Resp: 245757
Ion Ratio Lower Upper
106 100
91 203.0 163.2 244.8

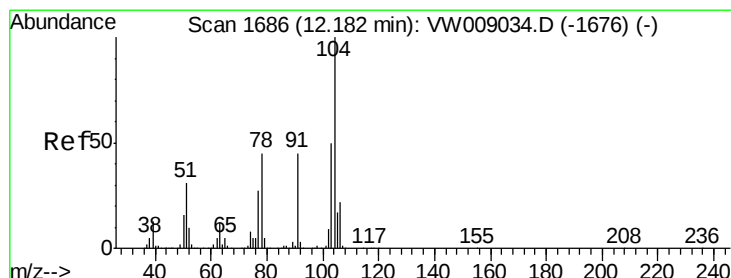
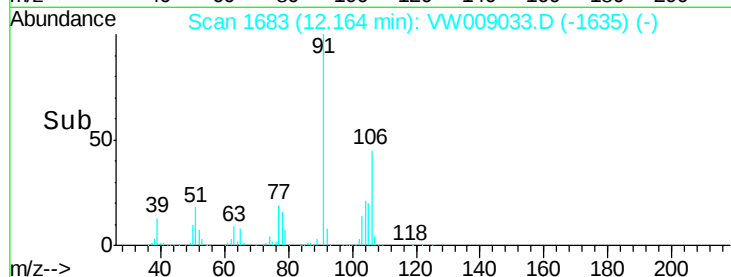
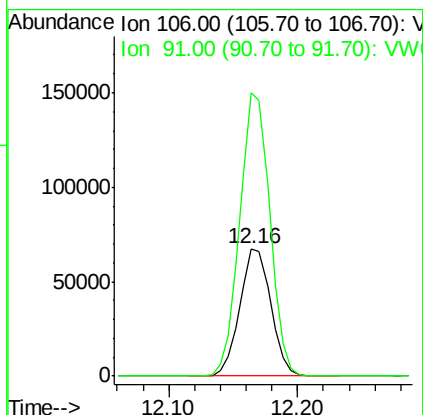
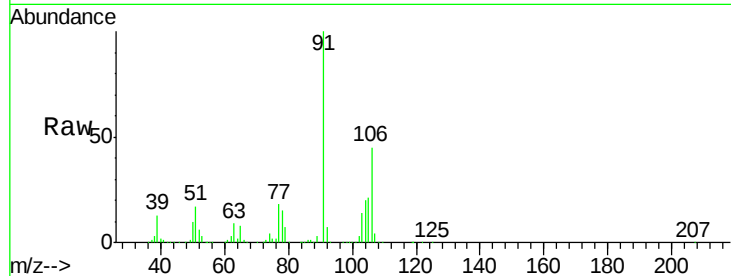




#69
o-Xylene
Concen: 19.303 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

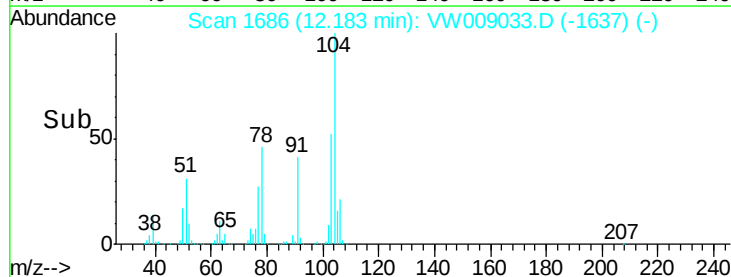
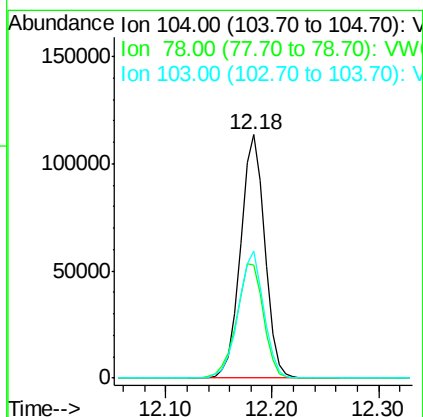
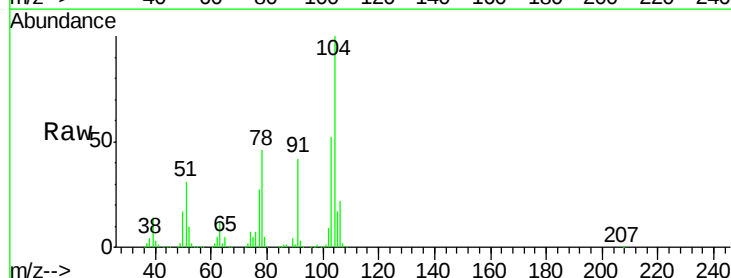
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

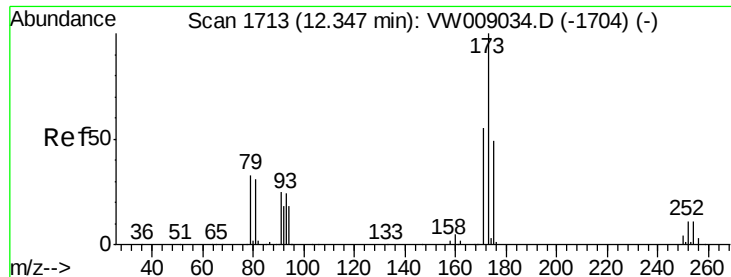
Tgt Ion:106 Resp: 112315
Ion Ratio Lower Upper
106 100
91 216.5 108.6 325.6



#70
Styrene
Concen: 19.193 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion:104 Resp: 181806
Ion Ratio Lower Upper
104 100
78 52.3 42.1 63.1
103 54.8 43.9 65.9





#71

Bromoform

Concen: 19.269 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

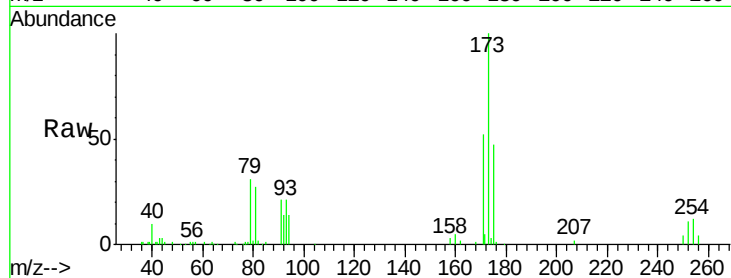
Tgt Ion:173 Resp: 30618

Ion Ratio Lower Upper

173 100

175 48.3 24.6 74.0

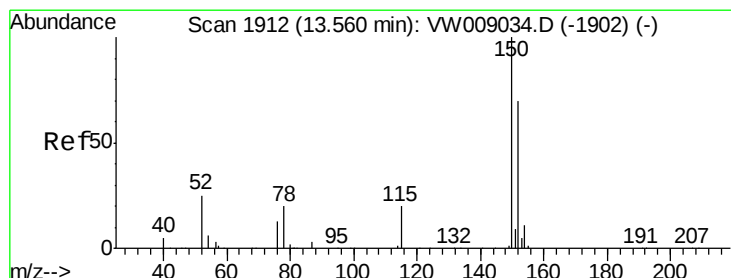
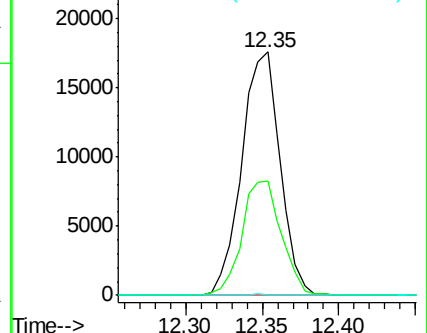
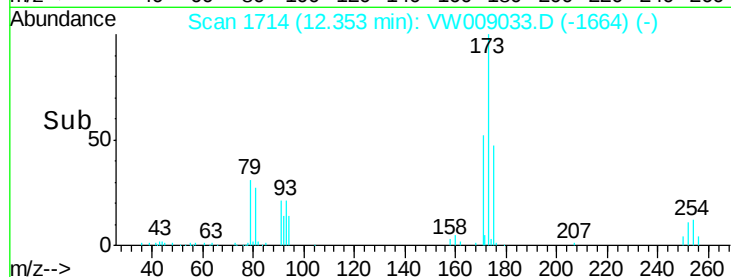
254 0.2 0.0 0.0#



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: VW009033.D

Acq: 07 Mar 2019 11:46

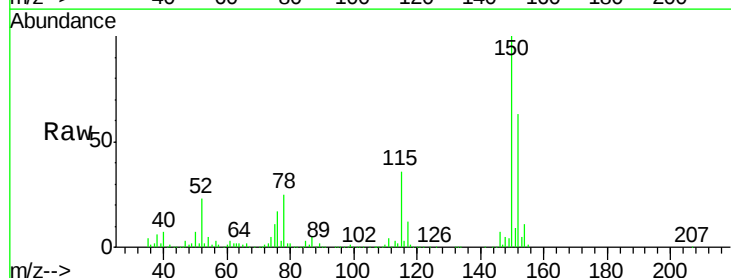
Tgt Ion:152 Resp: 222406

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

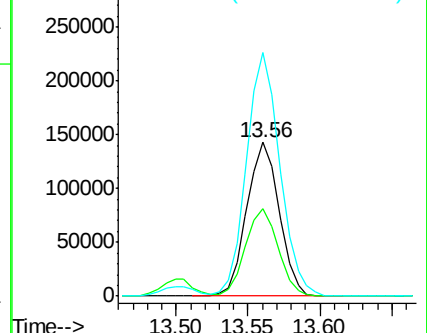
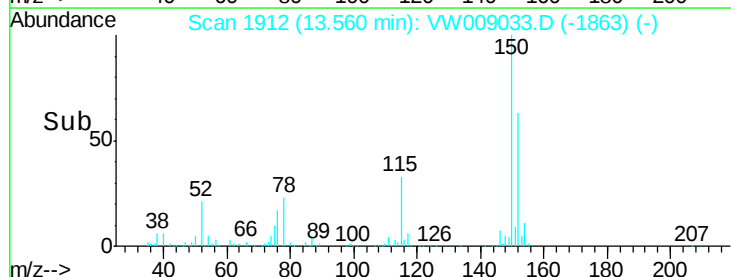
150 162.5 0.0 349.2

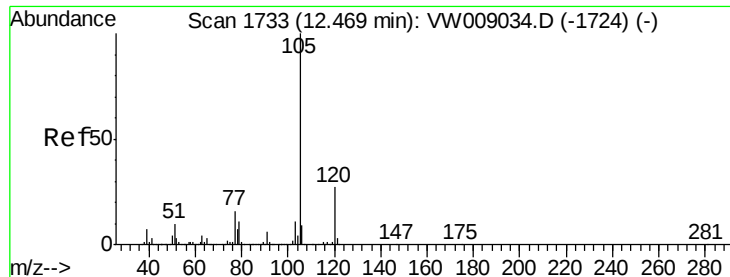


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.698 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

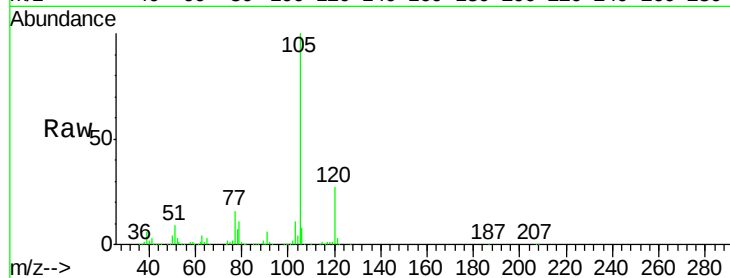
VSTDIC020

Tgt Ion: 105 Resp: 311319

Ion Ratio Lower Upper

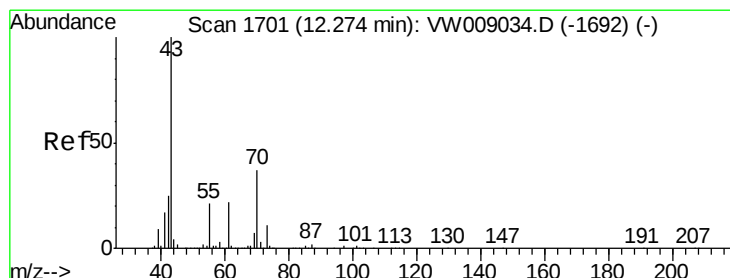
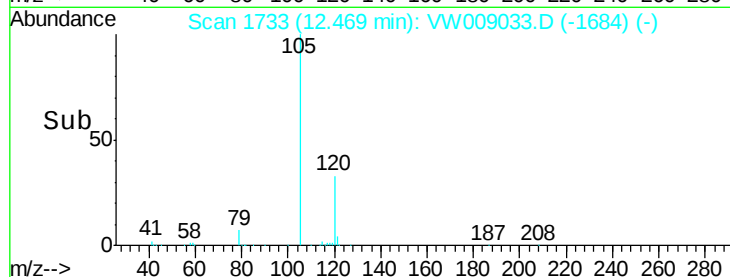
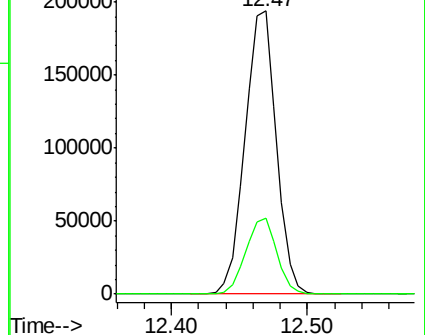
105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.644 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion: 43 Resp: 70435

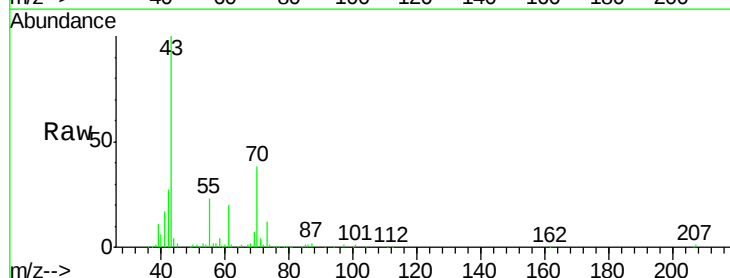
Ion Ratio Lower Upper

43 100

70 38.0 30.8 46.2

55 24.0 17.8 26.8

61 21.5 17.4 26.2

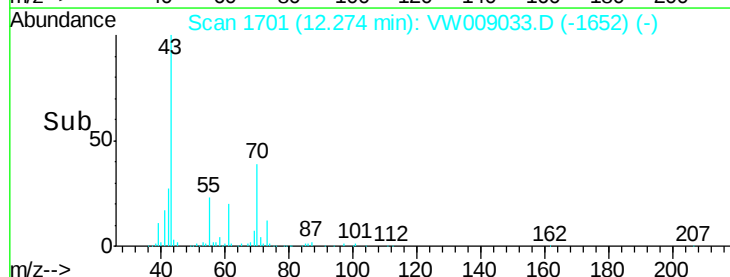
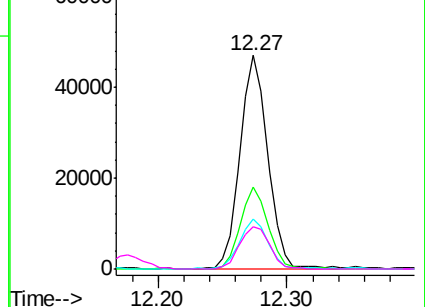


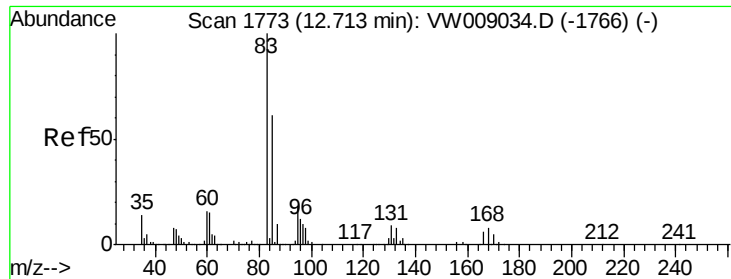
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

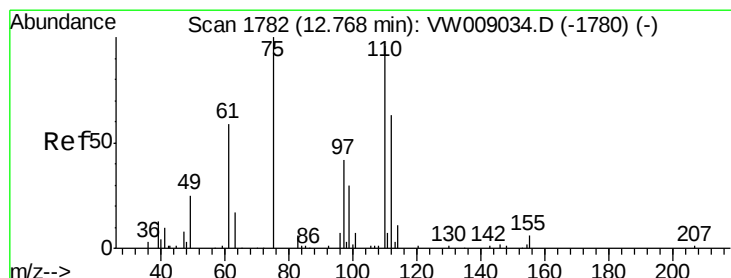
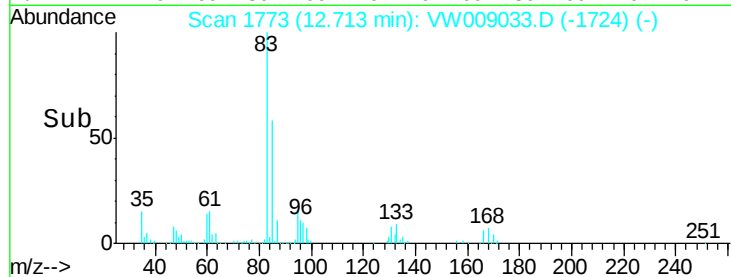
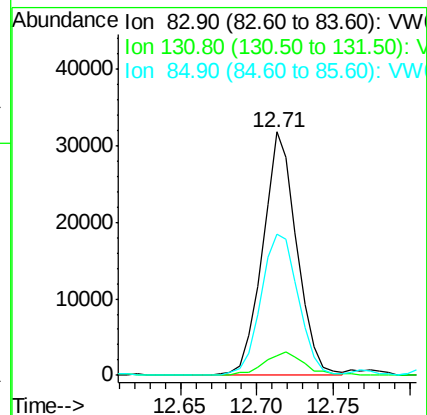
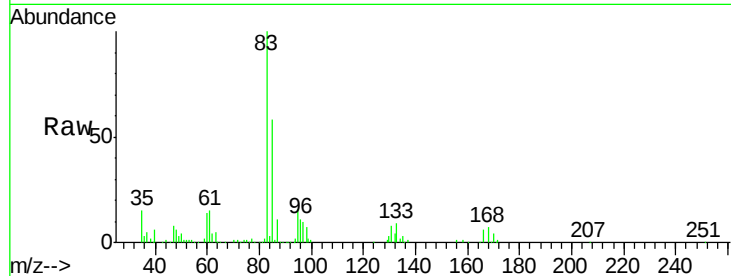
Tgt Ion: 83 Resp: 49445

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.7

85 63.4 31.7 95.1



#76

1,2,3-Trichloropropane

Concen: 26.872 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009033.D

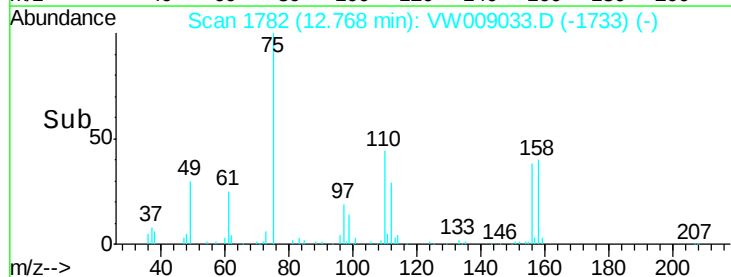
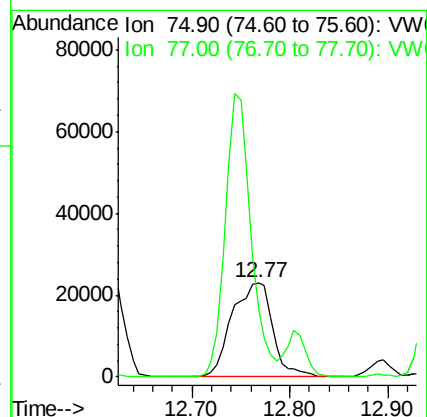
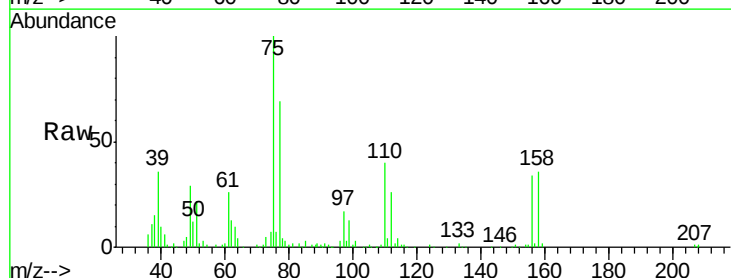
Acq: 07 Mar 2019 11:46

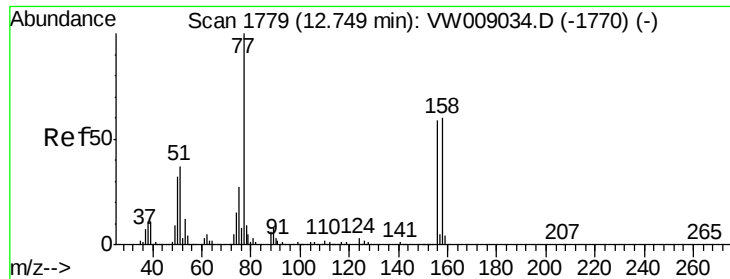
Tgt Ion: 75 Resp: 66548

Ion Ratio Lower Upper

75 100

77 0.0 186.7 560.0#

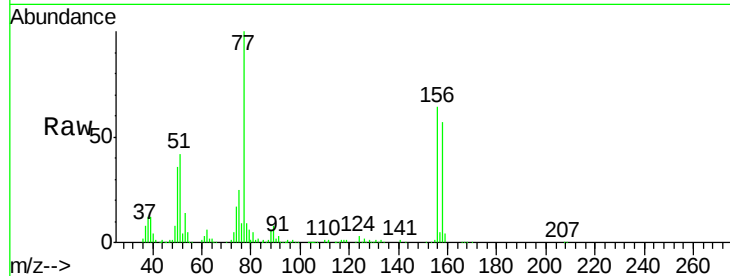




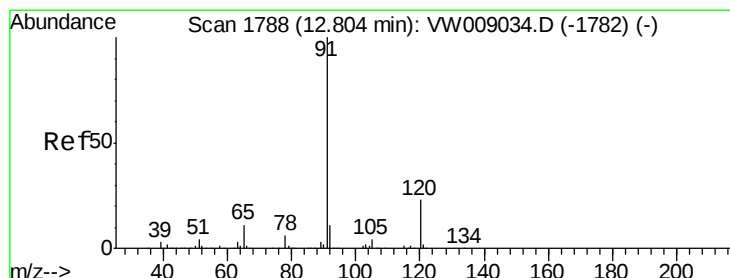
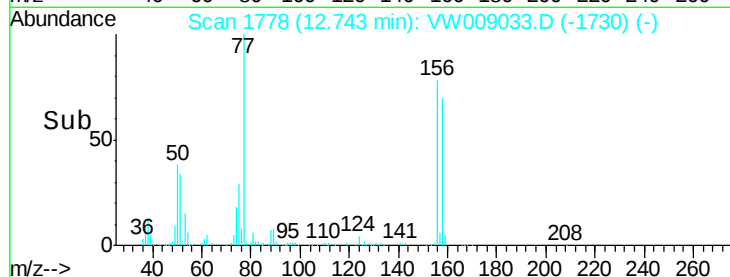
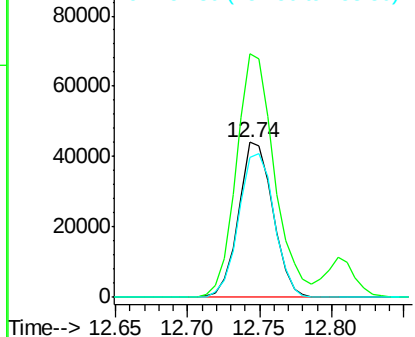
#77
Bromobenzene
Concen: 20.159 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:156 Resp: 72852
Ion Ratio Lower Upper
156 100
77 174.5 93.0 279.2
158 96.0 50.0 149.8

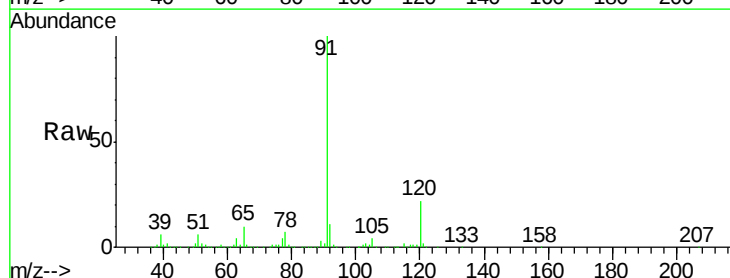


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

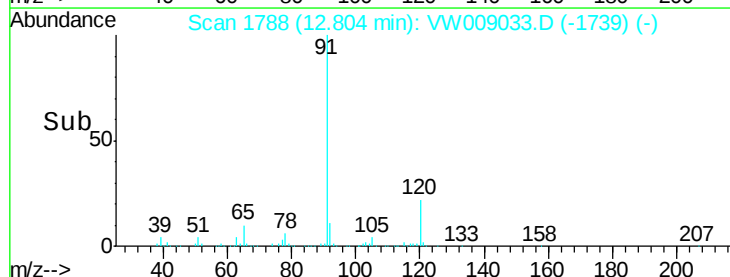
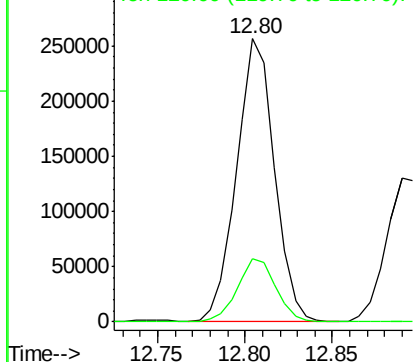


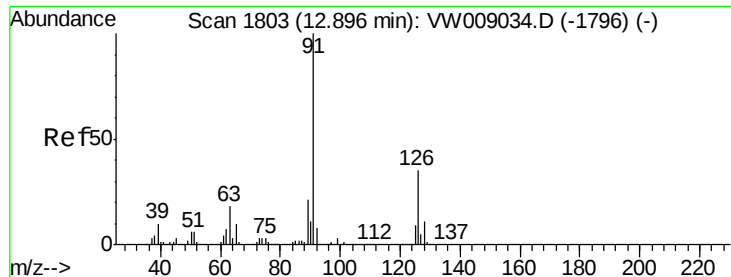
#78
n-propylbenzene
Concen: 19.845 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 91 Resp: 385034
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

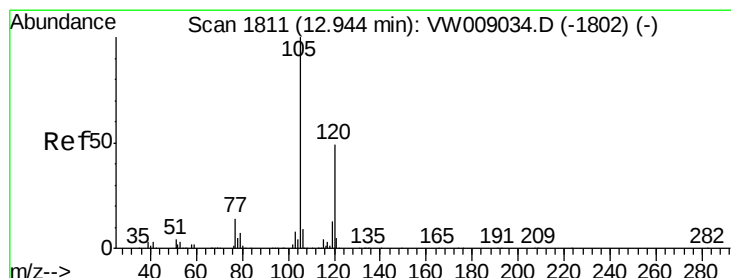
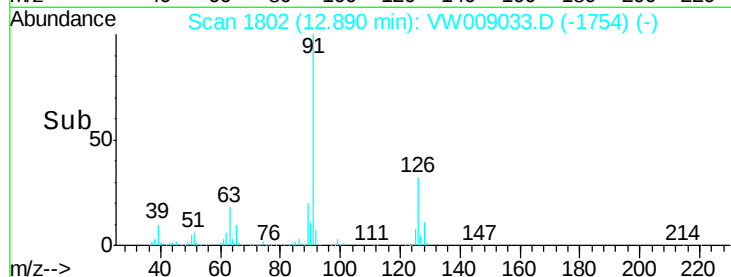
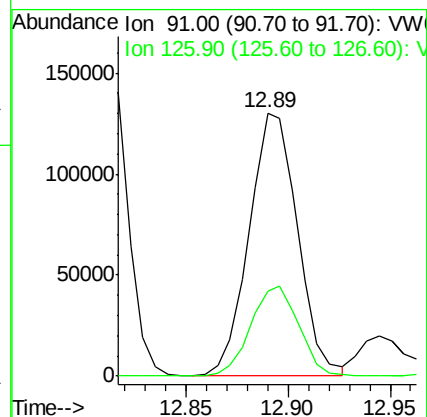
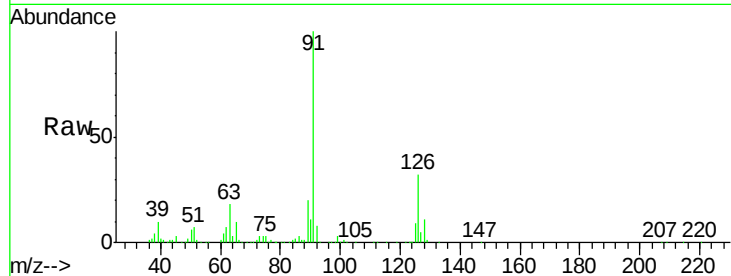




#79
2-Chlorotoluene
Concen: 19.664 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

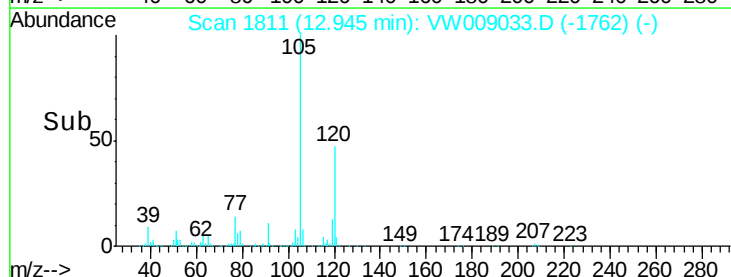
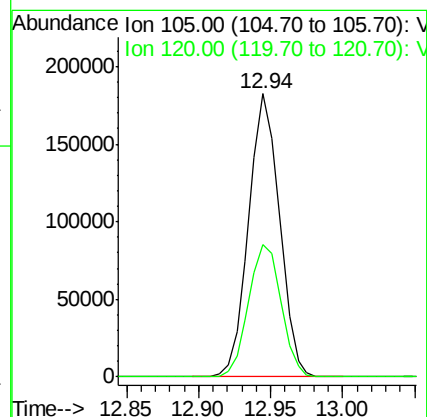
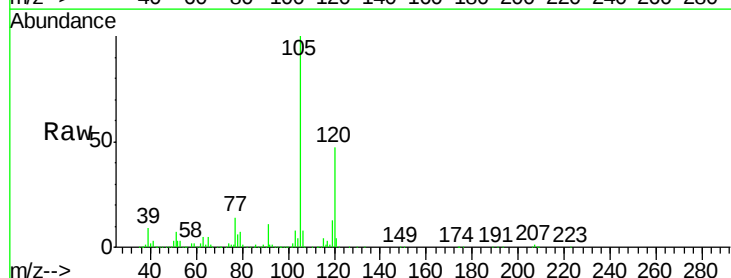
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

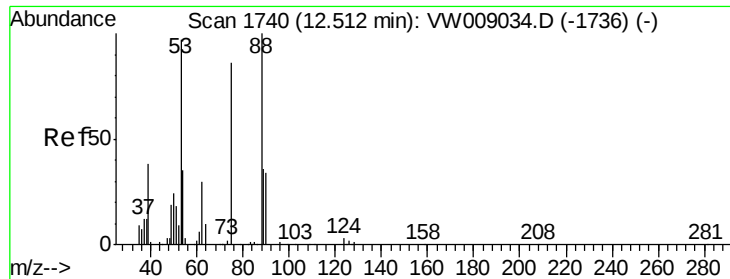
Tgt Ion: 91 Resp: 214383
Ion Ratio Lower Upper
91 100
126 34.0 16.8 50.4



#80
1,3,5-Trimethylbenzene
Concen: 19.877 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 105 Resp: 270745
Ion Ratio Lower Upper
105 100
120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.754 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

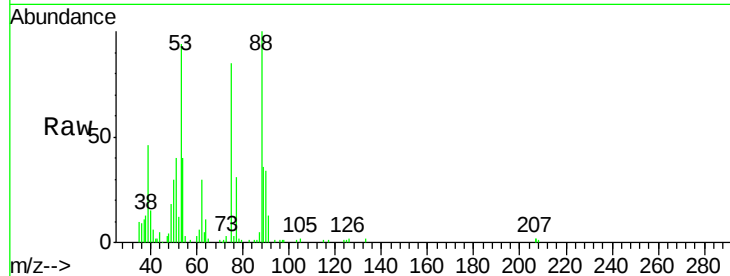
Tgt Ion: 75 Resp: 15400

Ion Ratio Lower Upper

75 100

53 104.6 90.5 135.7

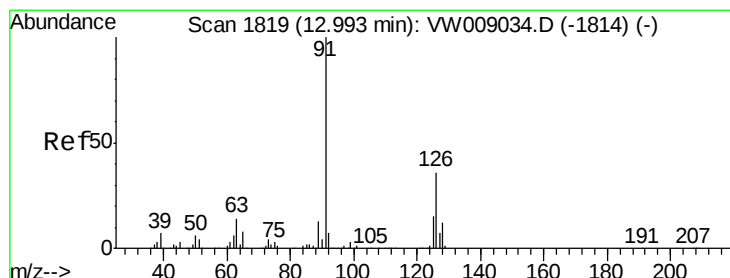
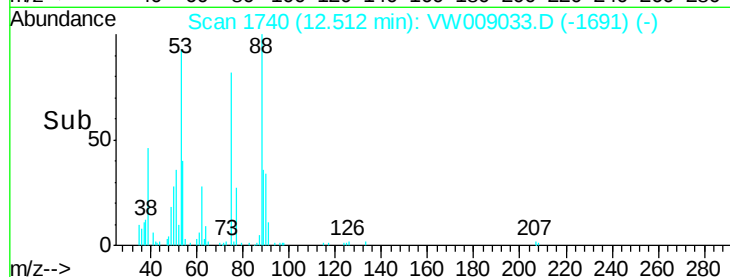
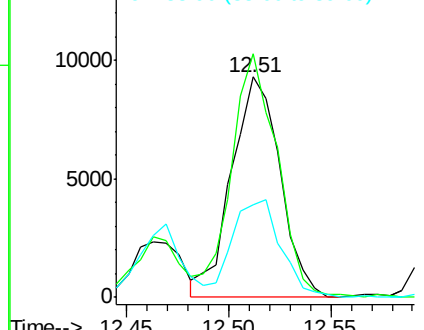
89 44.6 37.5 56.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 19.738 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW009033.D

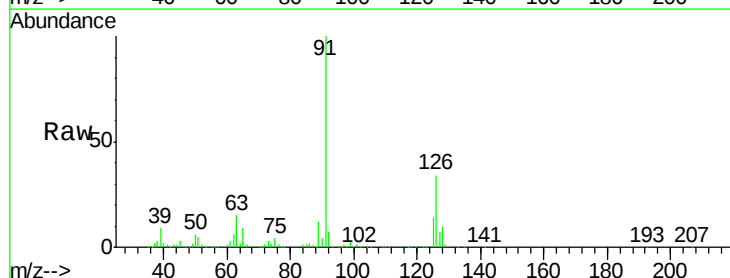
Acq: 07 Mar 2019 11:46

Tgt Ion: 91 Resp: 229280

Ion Ratio Lower Upper

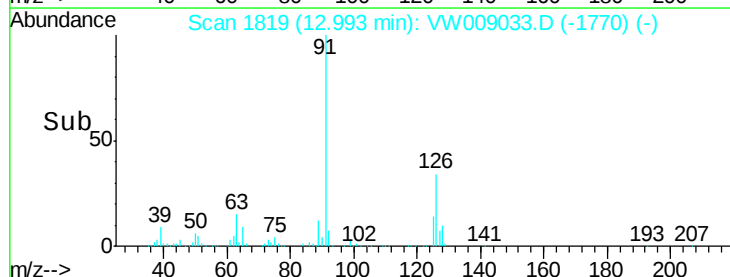
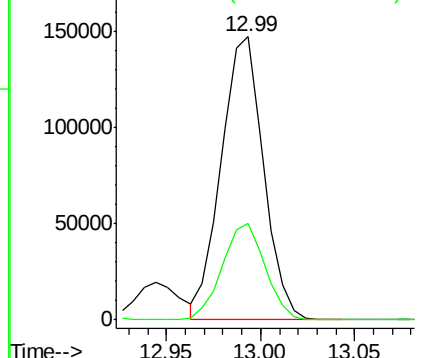
91 100

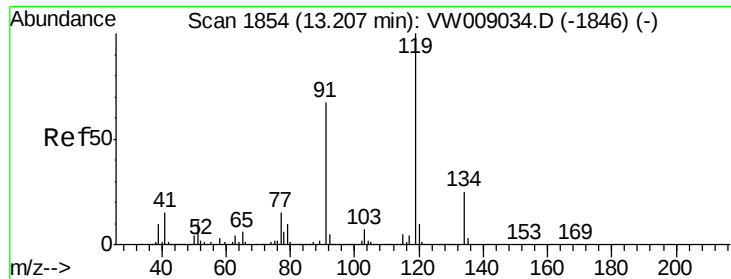
126 34.6 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

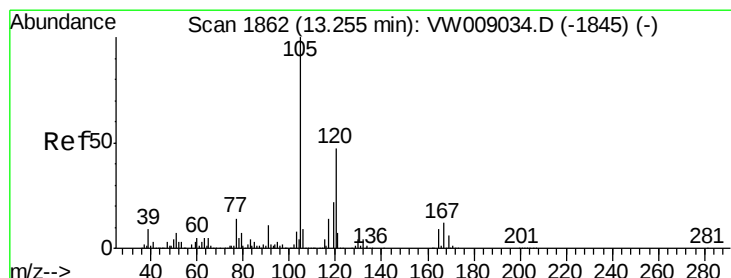
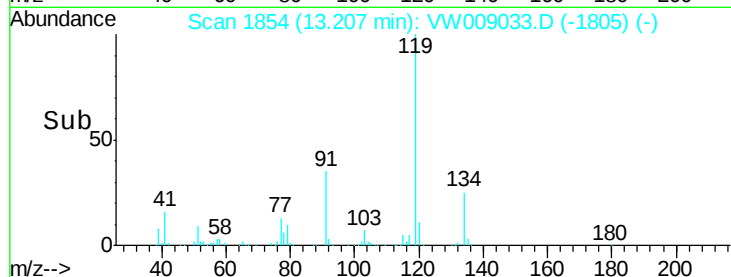
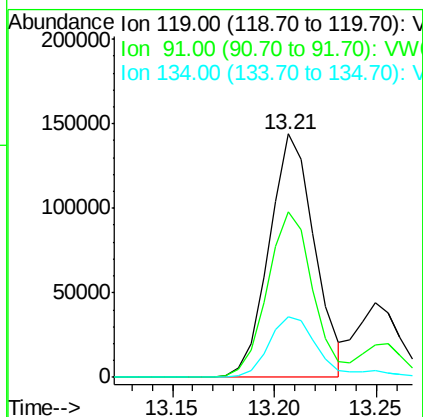
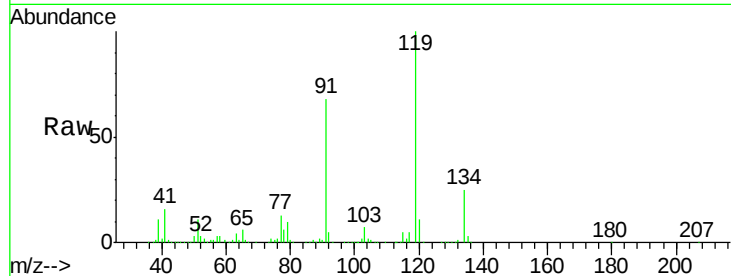




#83
tert-Butylbenzene
Concen: 19.516 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

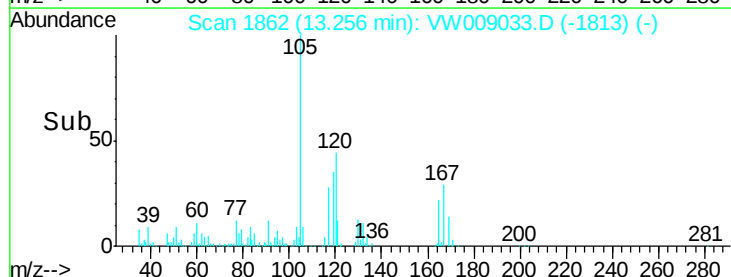
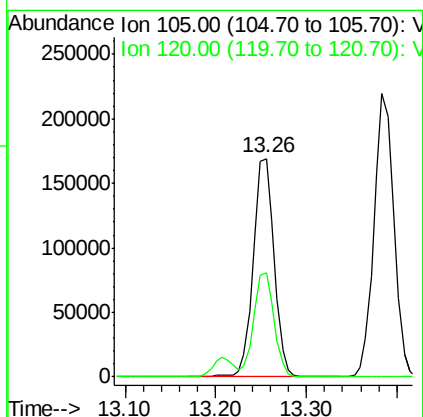
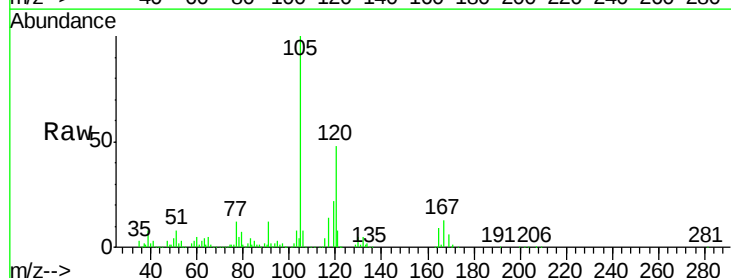
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

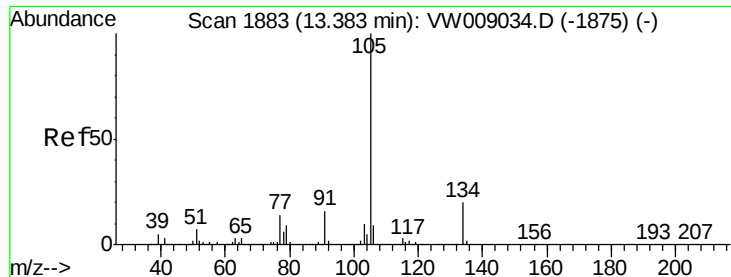
Tgt Ion:119 Resp: 223299
Ion Ratio Lower Upper
119 100
91 69.3 34.2 102.5
134 28.0 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 19.648 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion:105 Resp: 270173
Ion Ratio Lower Upper
105 100
120 46.6 22.8 68.4

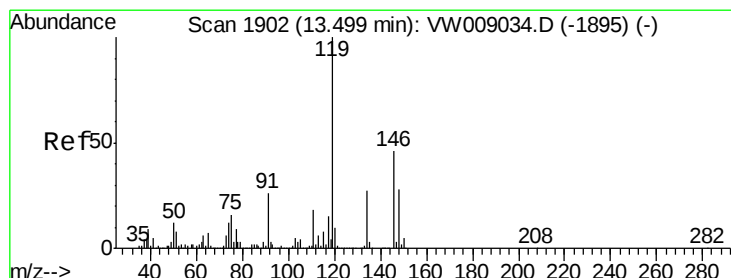
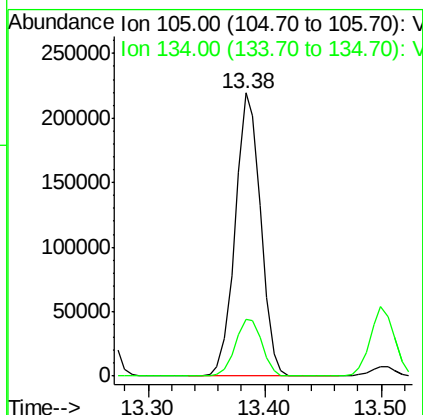
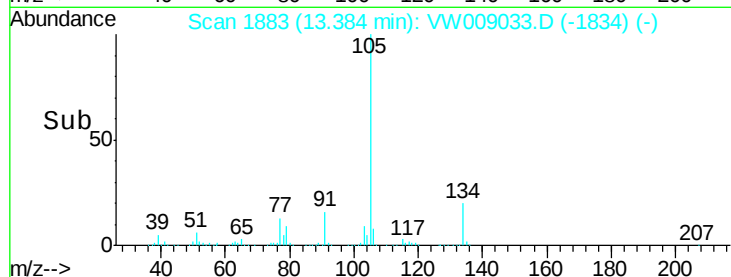
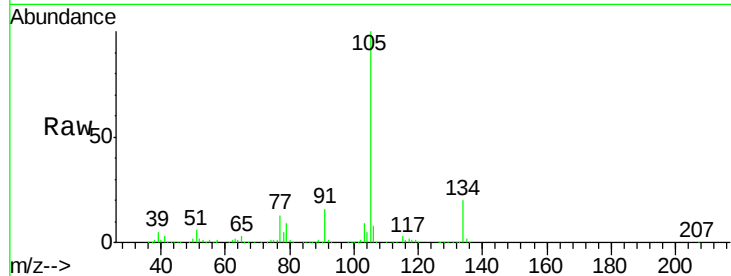




#85
 sec-Butylbenzene
 Concen: 19.659 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

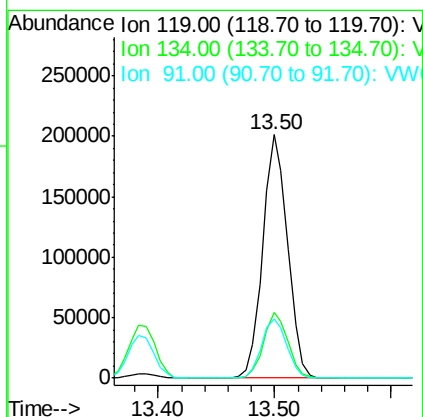
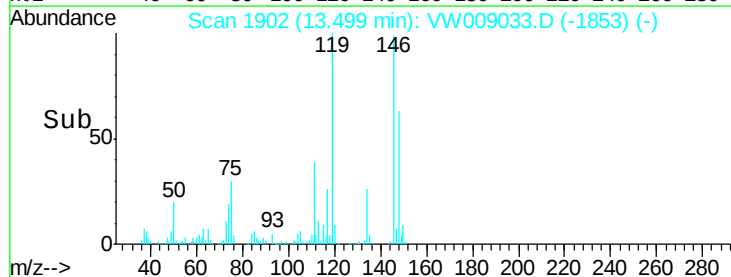
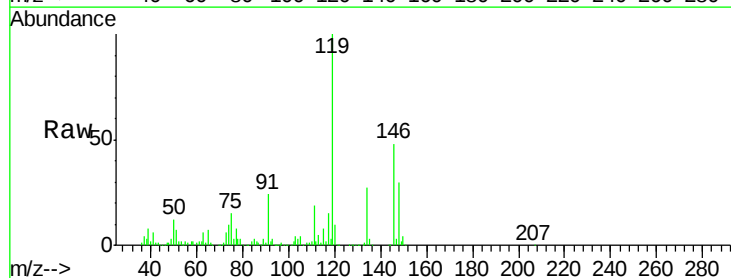
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

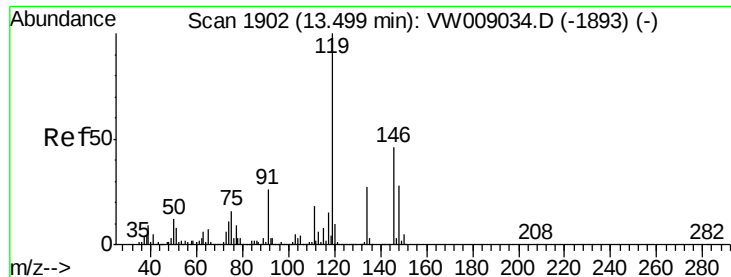
Tgt Ion:105 Resp: 333286
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 19.430 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion:119 Resp: 295267
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 25.1 12.3 36.9

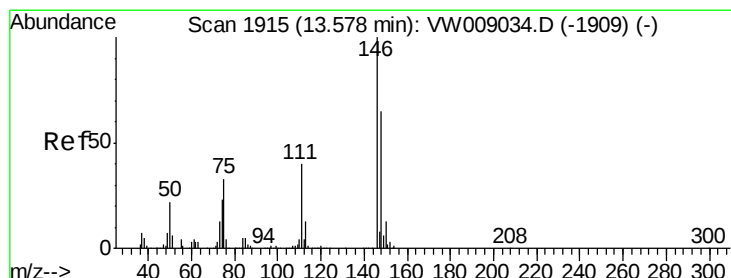
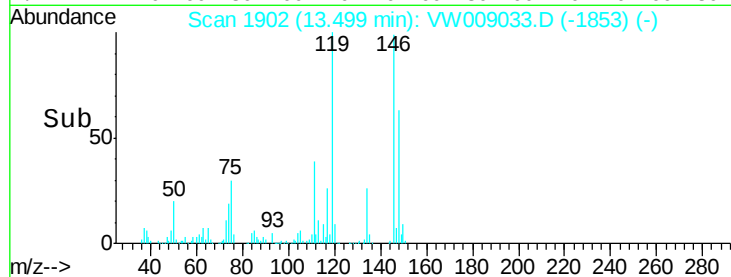
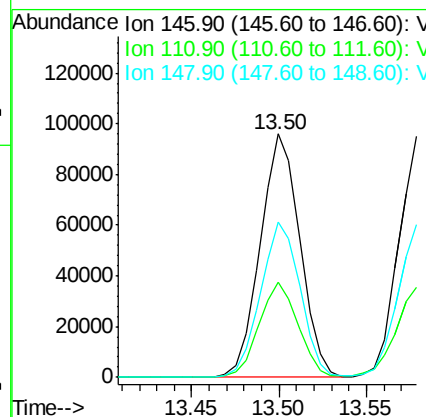
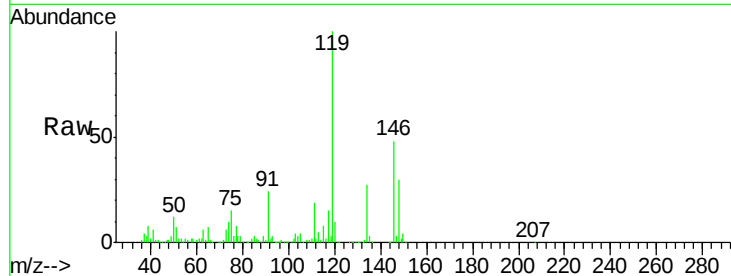




#87
 1,3-Dichlorobenzene
 Concen: 19.919 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

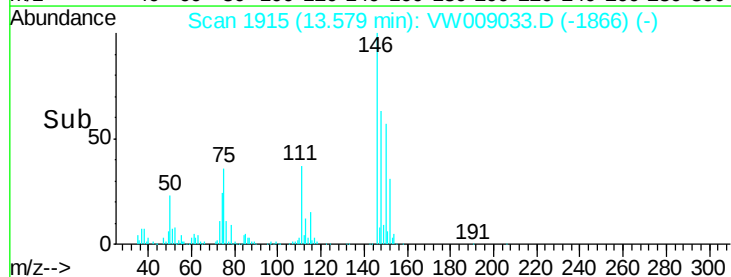
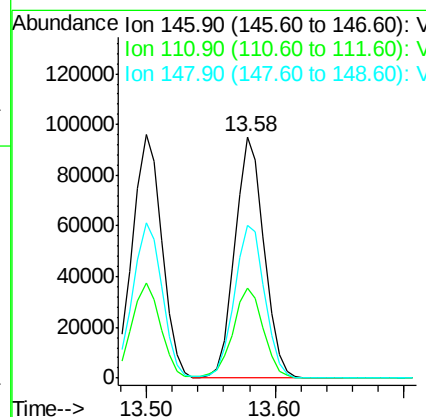
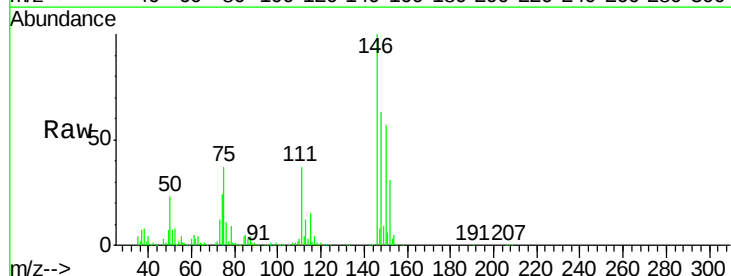
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

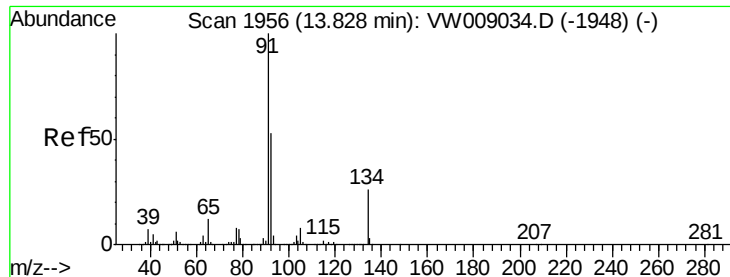
Tgt Ion:146 Resp: 150941
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.8 59.4
 148 63.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 20.048 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion:146 Resp: 150077
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.0
 148 65.8 32.2 96.6

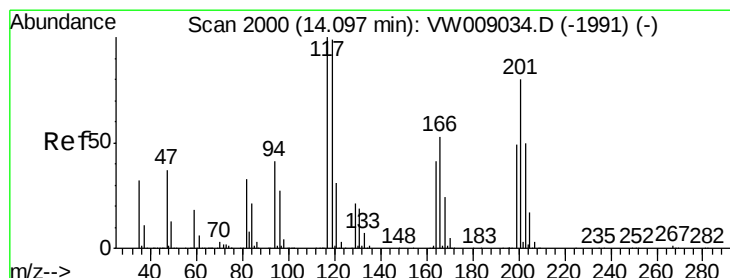
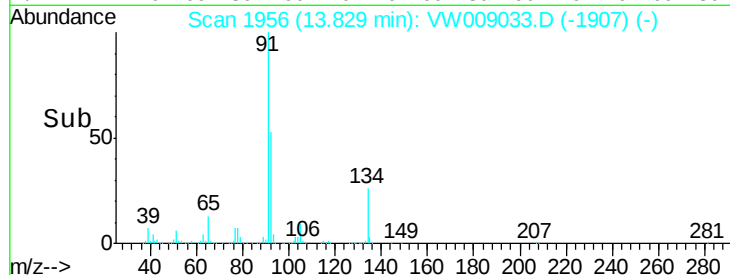
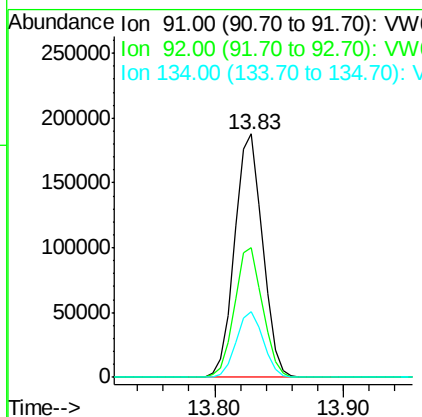
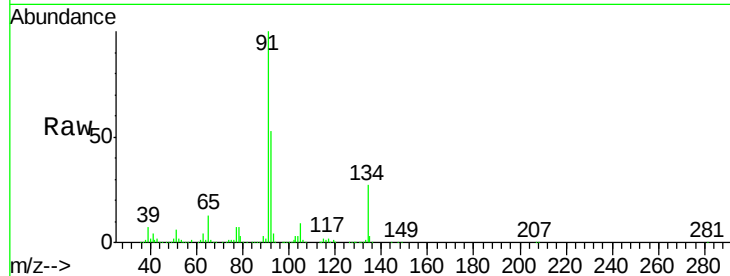




#89
n-Butylbenzene
Concen: 19.533 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

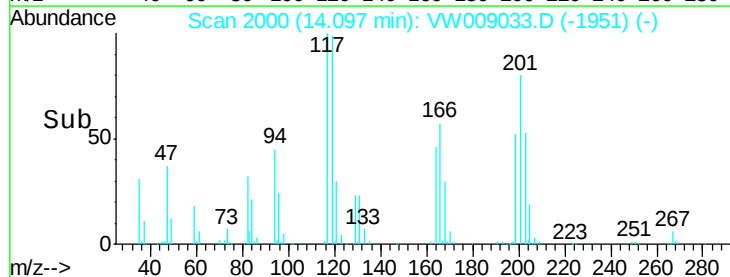
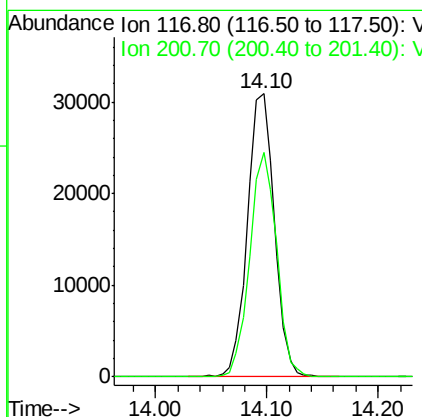
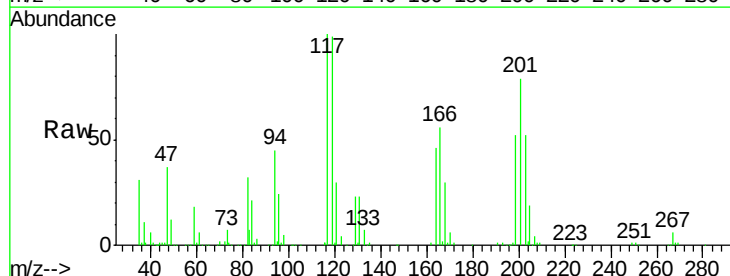
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

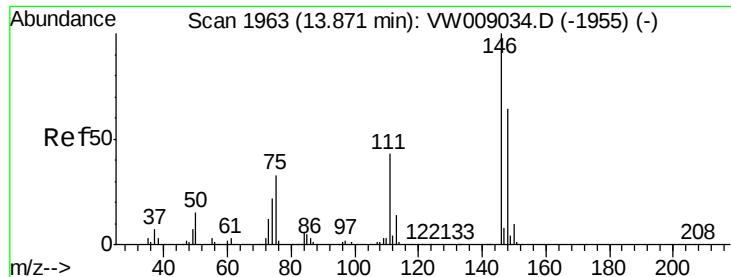
Tgt Ion: 91 Resp: 282985
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.3
134 26.4 12.9 38.7



#90
Hexachloroethane
Concen: 19.964 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 117 Resp: 52259
Ion Ratio Lower Upper
117 100
201 78.7 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 19.764 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

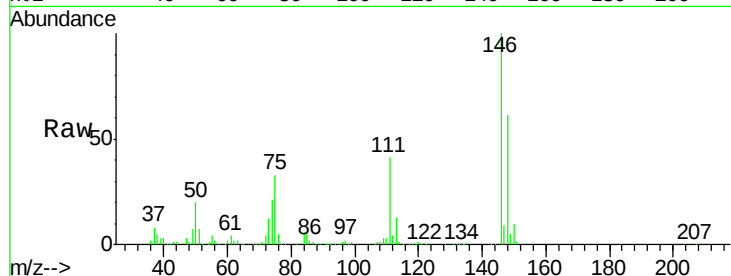
Tgt Ion:146 Resp: 131186

Ion Ratio Lower Upper

146 100

111 40.7 21.1 63.1

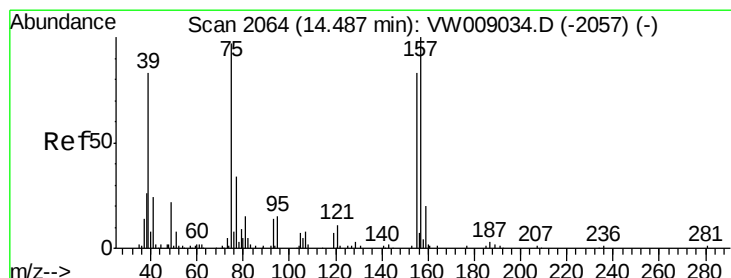
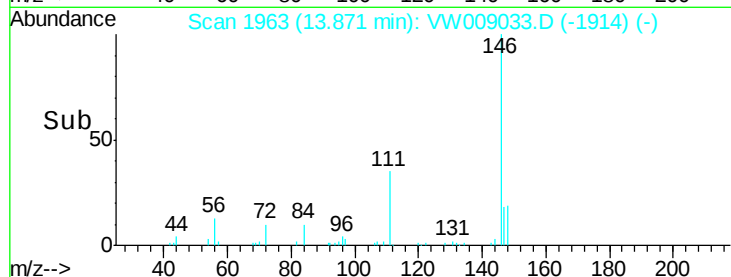
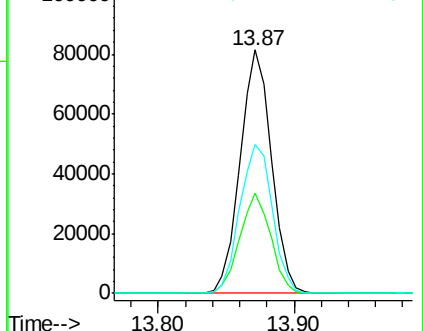
148 63.6 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.061 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

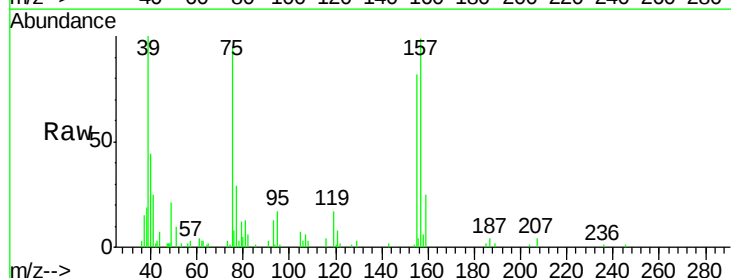
Tgt Ion: 75 Resp: 8429

Ion Ratio Lower Upper

75 100

155 83.7 40.8 122.4

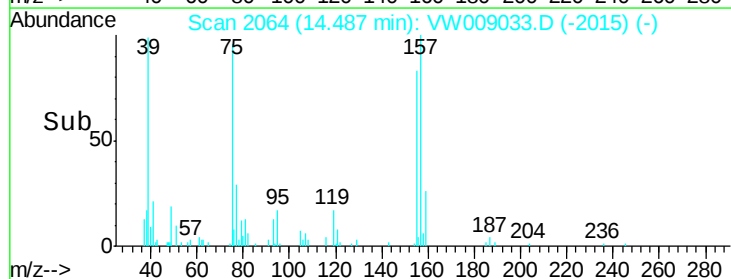
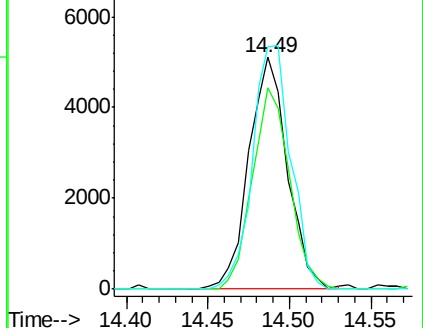
157 104.0 52.4 157.3

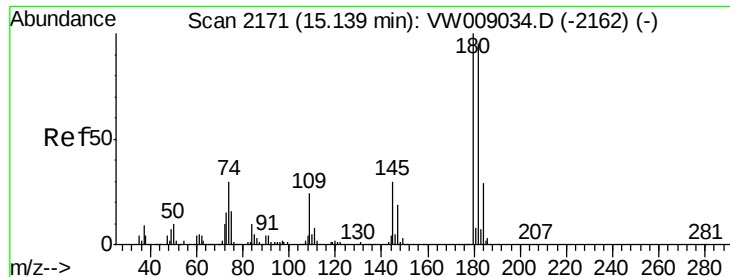


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

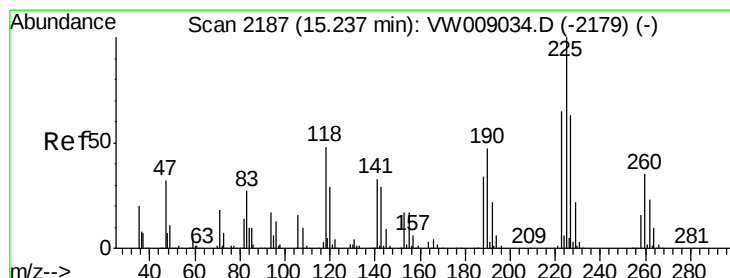
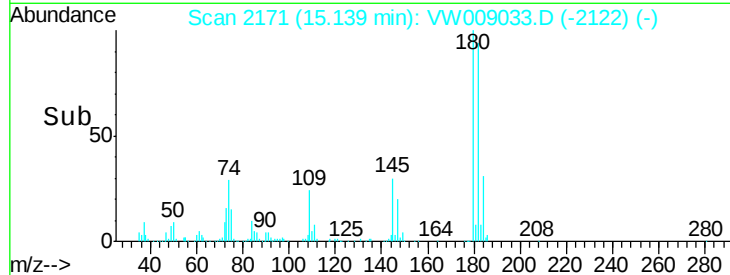
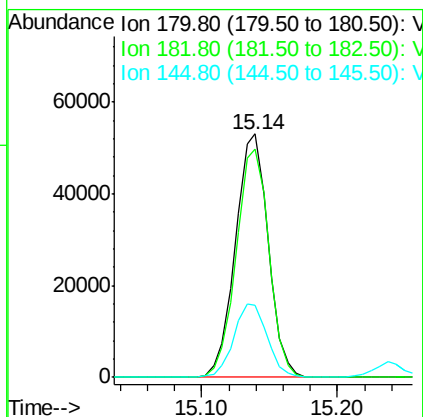
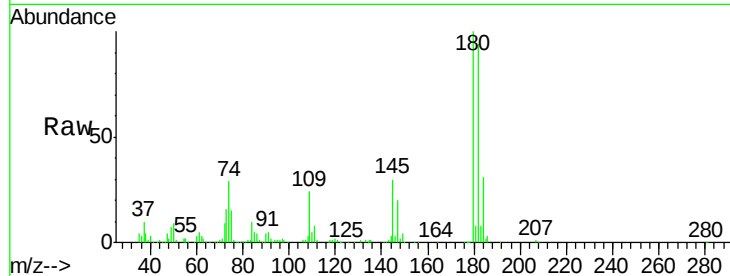




#93
 1,2,4-Trichlorobenzene
 Concen: 19.624 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

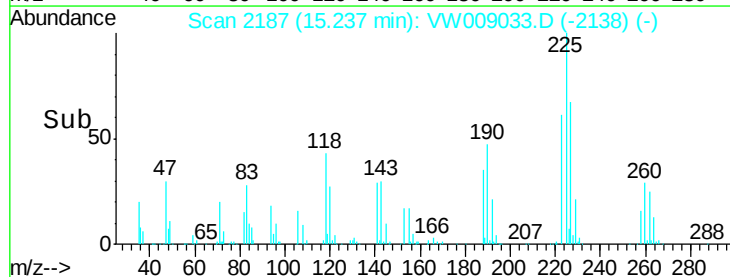
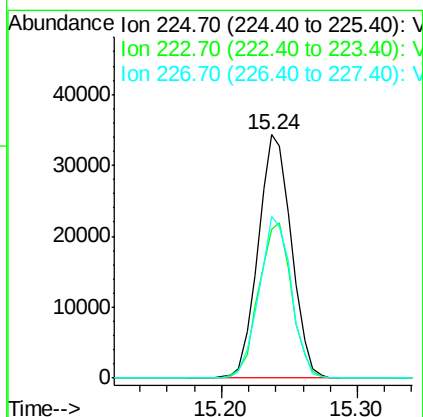
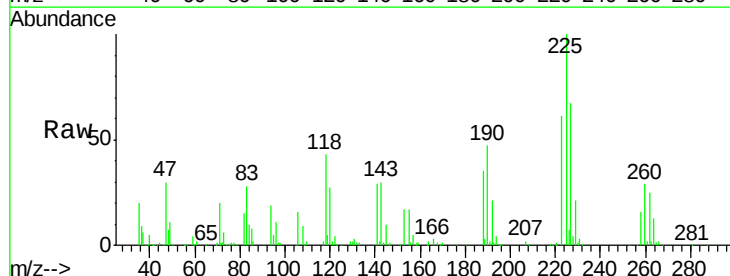
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

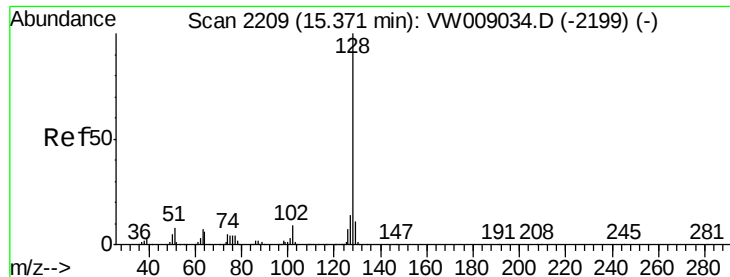
Tgt Ion:180 Resp: 89073
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.1 144.3
 145 30.8 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 20.693 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion:225 Resp: 58708
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.6 94.8
 227 64.3 32.0 96.2

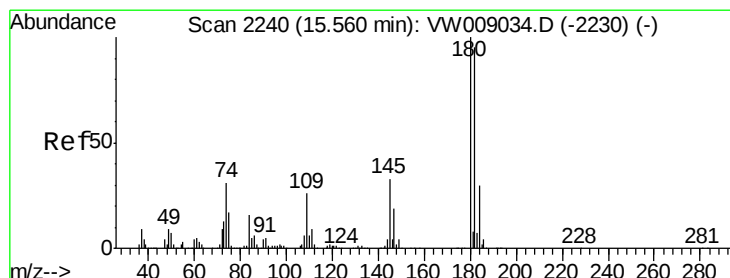
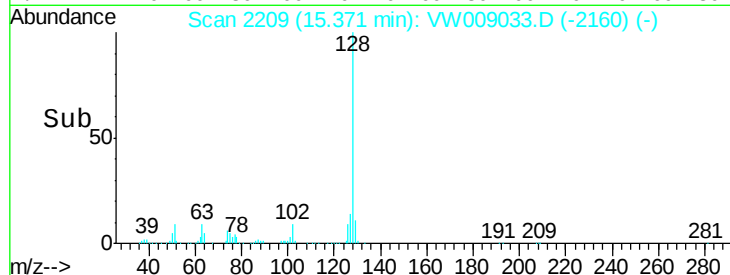
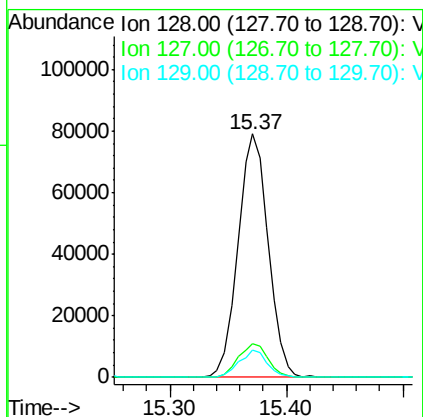
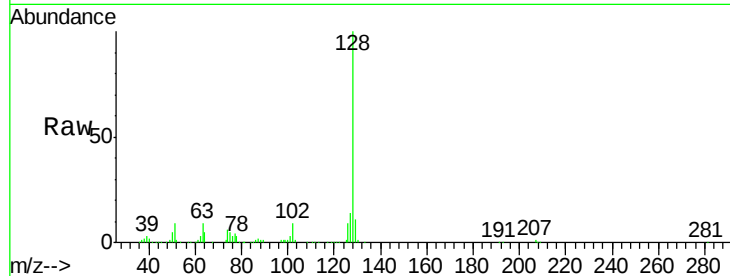




#95
Naphthalene
Concen: 19.006 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 142928
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.6
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.490 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion:180 Resp: 77682
Ion Ratio Lower Upper
180 100
182 95.9 48.1 144.3
145 31.9 15.8 47.3

