

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120418\
 Data File : VW007170.D
 Acq On : 03 Dec 2018 23:36
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Dec 04 03:46:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 03:43:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	123379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	183803	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	186881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	97467	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	6685	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	
35) Dibromofluoromethane	7.88	113	5901	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	
50) Toluene-d8	10.33	98	26422	5.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.66%	
62) 4-Bromofluorobenzene	12.62	95	11149	6.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.50%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	3915	3.251 ug/l	91
3) Chloromethane	2.21	50	7893	7.039 ug/l	98
4) Vinyl Chloride	2.36	62	2433	2.471 ug/l	93
5) Bromomethane	2.75	94	1028	2.046 ug/l	90
6) Chloroethane	2.91	64	2400	4.415 ug/l #	80
7) Trichlorofluoromethane	3.26	101	4971	2.549 ug/l	86
8) Diethyl Ether	3.68	74	1597	2.529 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	3109	2.465 ug/l	97
11) Tert butyl alcohol	5.13	59	6237	74.221 ug/l #	78
12) 1,1-Dichloroethene	4.04	96	2766	2.482 ug/l	85
13) Acrolein	3.89	56	2050	25.174 ug/l	98
14) Allyl chloride	4.67	41	4680	2.528 ug/l	100
15) Acrylonitrile	5.37	53	3002	12.556 ug/l	97
16) Acetone	4.13	43	3382	18.539 ug/l	92
17) Carbon Disulfide	4.38	76	9562	2.628 ug/l	98
18) Methyl Acetate	4.68	43	2021	3.210 ug/l	98
19) Methyl tert-butyl Ether	5.42	73	7192	2.484 ug/l #	89
20) Methylene Chloride	4.93	84	6190	3.575 ug/l	85
21) trans-1,2-Dichloroethene	5.42	96	3267	2.510 ug/l	87
22) Diisopropyl ether	6.31	45	8224	2.293 ug/l	98
23) Vinyl Acetate	6.26	43	22334	11.746 ug/l	94
24) 1,1-Dichloroethane	6.21	63	5491	2.509 ug/l	95
25) 2-Butanone	7.17	43	4260	14.178 ug/l	90
26) 2,2-Dichloropropane	7.17	77	5210	2.659 ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	3591	2.583 ug/l	94
28) Bromochloromethane	7.51	49	4325	5.305 ug/l #	98
29) Tetrahydrofuran	7.52	42	2572	13.240 ug/l	98
30) Chloroform	7.68	83	5976	2.568 ug/l	95
31) Cyclohexane	7.95	56	7260	3.172 ug/l #	73
32) 1,1,1-Trichloroethane	7.88	97	5215	2.491 ug/l	98
36) 1,1-Dichloropropene	8.08	75	4825	2.725 ug/l	96
37) Ethyl Acetate	7.26	43	1854	2.858 ug/l #	94
38) Carbon Tetrachloride	8.07	117	4455	2.614 ug/l	95
39) Methylcyclohexane	9.34	83	6116	2.758 ug/l	90

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 Data File : VW007170.D
 Acq On : 03 Dec 2018 23:36
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Dec 04 03:46:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 03:43:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	12806	2.662	ug/l	95
41) Methacrylonitrile	7.48	41	974	2.395	ug/l #	55
42) 1,2-Dichloroethane	8.40	62	3614	2.590	ug/l	98
43) Isopropyl Acetate	8.43	43	3471	2.793	ug/l	99
44) Trichloroethene	9.10	130	3494	2.590	ug/l	95
45) 1,2-Dichloropropane	9.37	63	3319	2.815	ug/l	98
46) Dibromomethane	9.46	93	1645	2.750	ug/l	96
47) Bromodichloromethane	9.65	83	4315	2.752	ug/l #	96
48) Methyl methacrylate	9.44	41	1674	2.803	ug/l	95
49) 1,4-Dioxane	9.45	88	603	66.233	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	9268	14.840	ug/l	91
52) Toluene	10.39	92	8738	2.669	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	3926	2.579	ug/l #	87
54) cis-1,3-Dichloropropene	10.08	75	4751	2.604	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	2548	2.913	ug/l #	86
56) Ethyl methacrylate	10.65	69	2952	2.865	ug/l	96
57) 1,3-Dichloropropane	10.93	76	3935	2.683	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	12557	24.085	ug/l	100
59) 2-Hexanone	10.97	43	5628	13.200	ug/l	100
60) Dibromochloromethane	11.13	129	2810	2.798	ug/l	94
61) 1,2-Dibromoethane	11.24	107	2101	2.600	ug/l	99
64) Tetrachloroethene	10.86	164	3294	2.715	ug/l	90
65) Chlorobenzene	11.66	112	9917	2.552	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.74	131	2991	2.511	ug/l	98
67) Ethyl Benzene	11.74	91	17441	2.447	ug/l	97
68) m/p-Xylenes	11.84	106	14234	5.087	ug/l	100
69) o-Xylene	12.17	106	6826	2.589	ug/l	98
70) Styrene	12.18	104	10983	2.609	ug/l	97
71) Bromoform	12.35	173	1518	2.679	ug/l #	96
73) Isopropylbenzene	12.47	105	17644	2.357	ug/l	99
74) N-amyl acetate	12.28	43	3248	2.542	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	2635	2.609	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	3425	4.335	ug/l	28
77) Bromobenzene	12.75	156	3980	2.469	ug/l	95
78) n-propylbenzene	12.81	91	21436	2.370	ug/l	100
79) 2-Chlorotoluene	12.90	91	12672	2.425	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	15451	2.387	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	751	2.440	ug/l	94
82) 4-Chlorotoluene	12.99	91	12801	2.337	ug/l	98
83) tert-Butylbenzene	13.21	119	13299	2.369	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	16025	2.482	ug/l	99
85) sec-Butylbenzene	13.39	105	19098	2.416	ug/l	99
86) p-Isopropyltoluene	13.51	119	16912	2.422	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	8265	2.518	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	8581	2.608	ug/l	88
89) n-Butylbenzene	13.83	91	16103	2.455	ug/l	97
90) Hexachloroethane	14.10	117	2522	2.443	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	7382	2.557	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	499	2.875	ug/l	97
93) 1,2,4-Trichlorobenzene	15.14	180	4838	2.524	ug/l	95

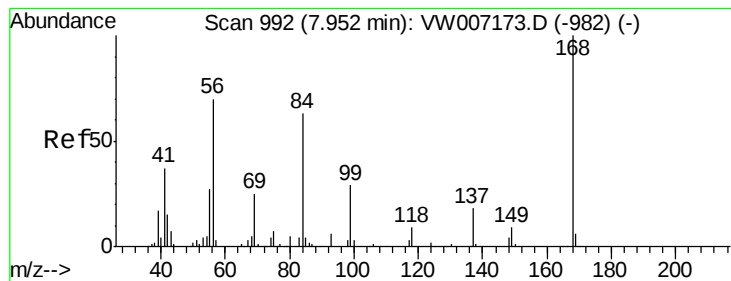
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120418\
Data File : VW007170.D
Acq On : 03 Dec 2018 23:36
Operator : SY/AP
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Dec 04 03:46:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 04 03:43:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	2469	2.402	ug/l	96
95) Naphthalene	15.38	128	8848	2.533	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	4159	2.616	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

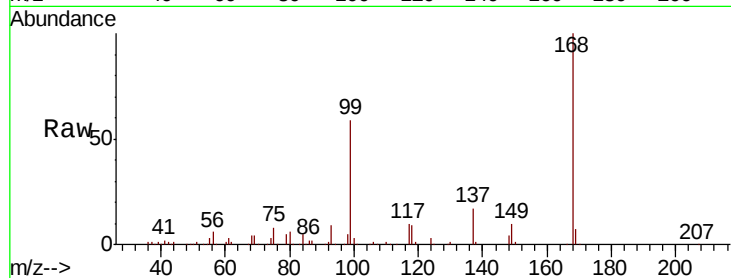
VSTDIC005

Tgt Ion:168 Resp: 123379

Ion Ratio Lower Upper

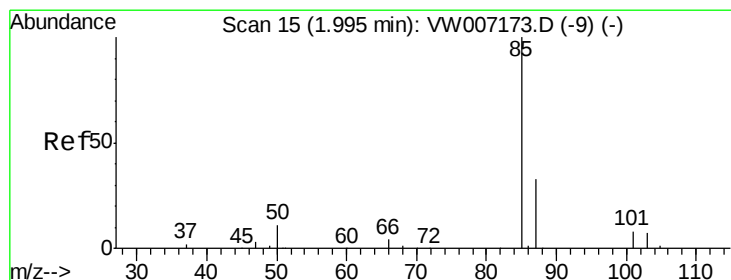
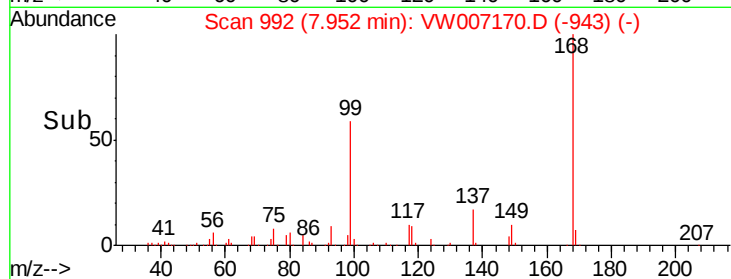
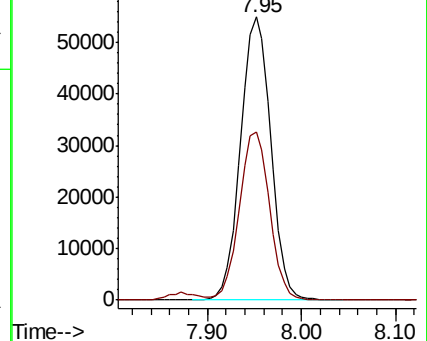
168 100

99 59.1 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.251 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW007170.D

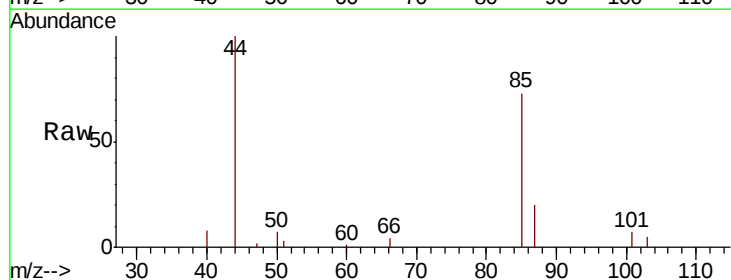
Acq: 03 Dec 2018 23:36

Tgt Ion: 85 Resp: 3915

Ion Ratio Lower Upper

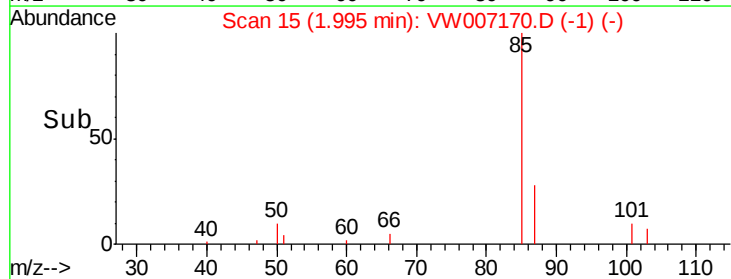
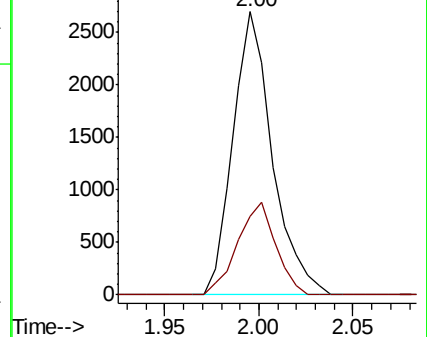
85 100

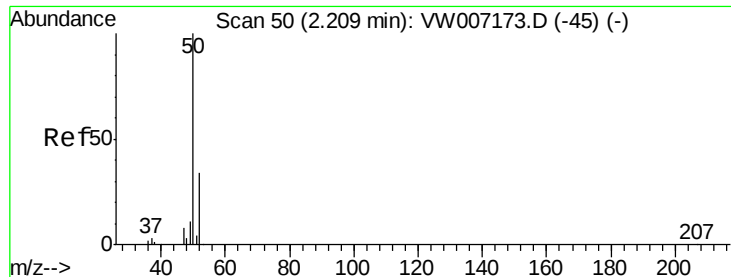
87 27.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 7.039 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

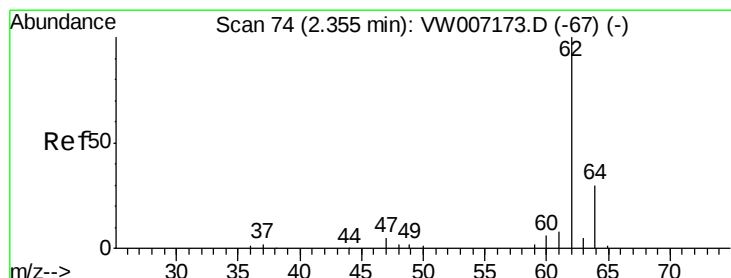
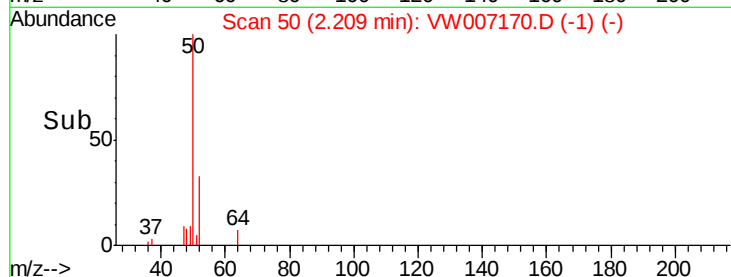
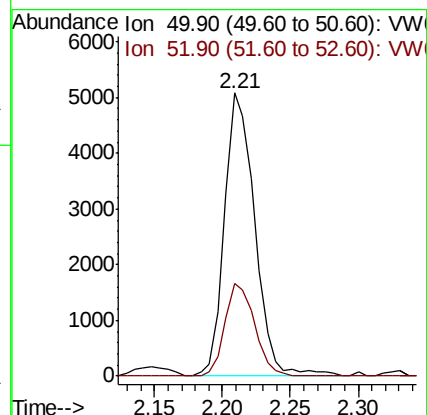
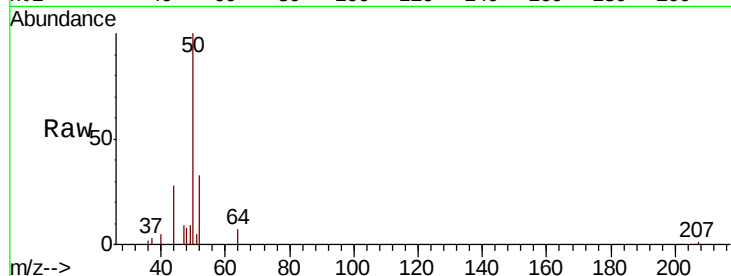
VSTDIC005

Tgt Ion: 50 Resp: 7893

Ion Ratio Lower Upper

50 100

52 32.5 26.9 40.3



#4

Vinyl Chloride

Concen: 2.471 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW007170.D

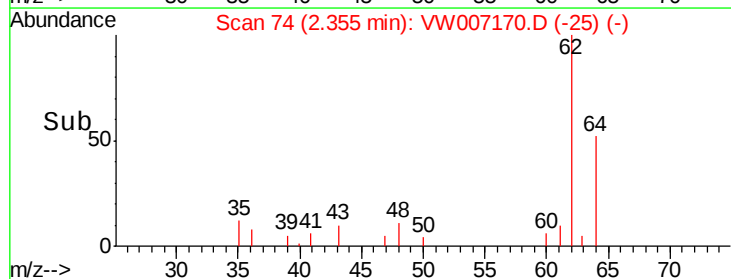
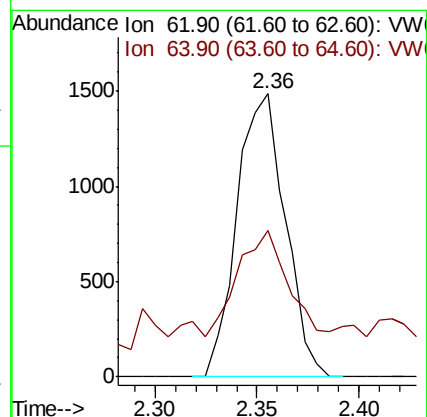
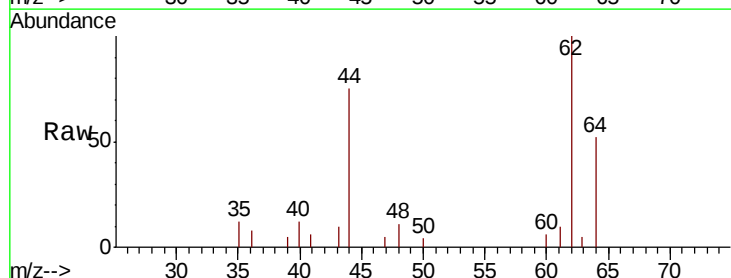
Acq: 03 Dec 2018 23:36

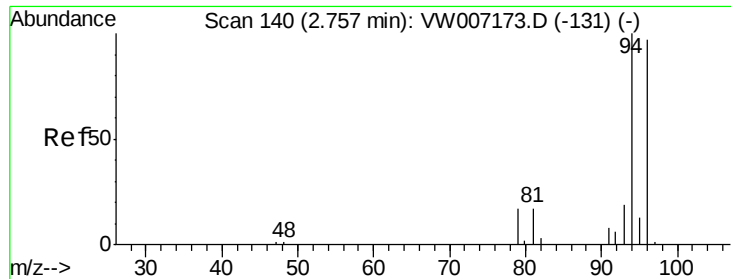
Tgt Ion: 62 Resp: 2433

Ion Ratio Lower Upper

62 100

64 34.3 24.3 36.5





#5

Bromomethane

Concen: 2.046 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

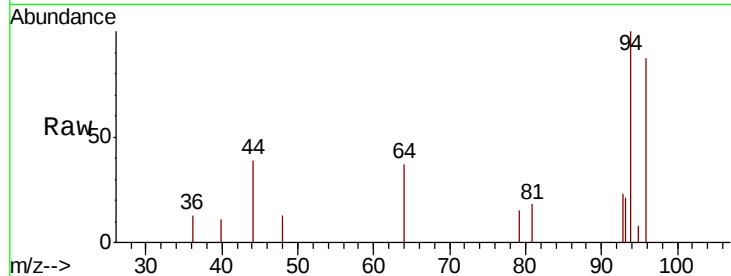
VSTDIC005

Tgt Ion: 94 Resp: 1028

Ion Ratio Lower Upper

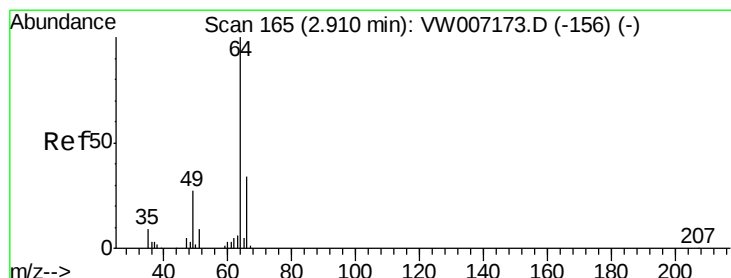
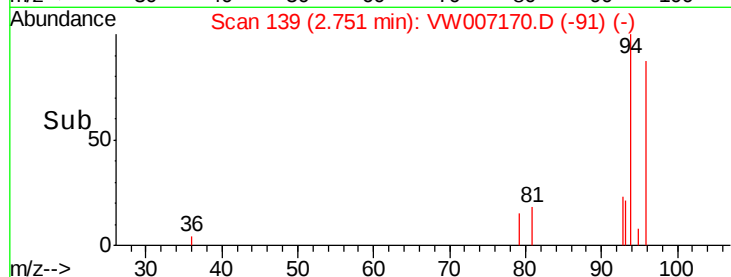
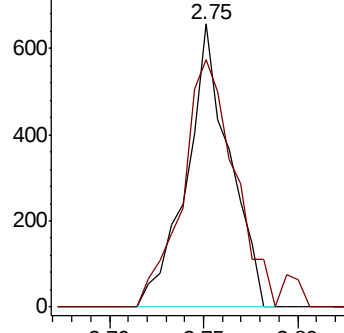
94 100

96 87.4 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 4.415 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW007170.D

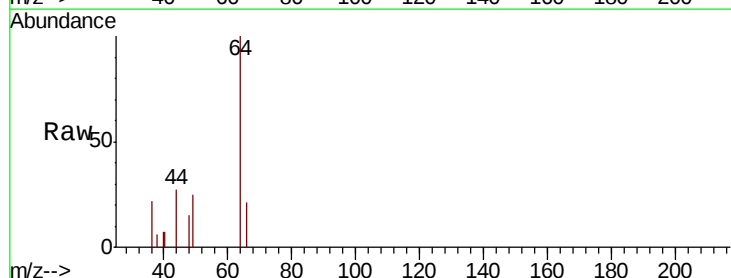
Acq: 03 Dec 2018 23:36

Tgt Ion: 64 Resp: 2400

Ion Ratio Lower Upper

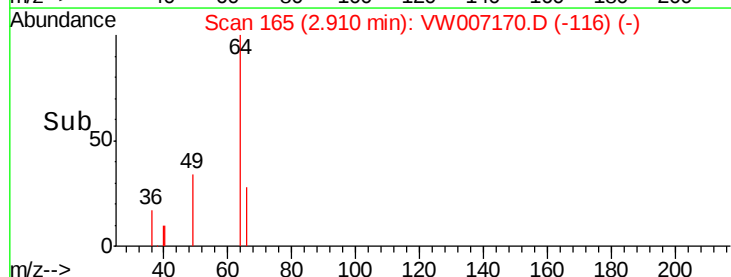
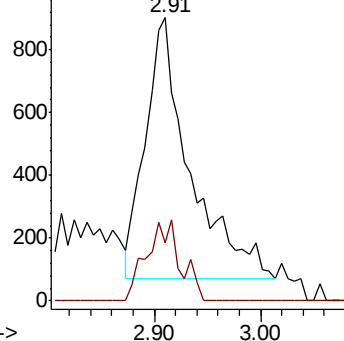
64 100

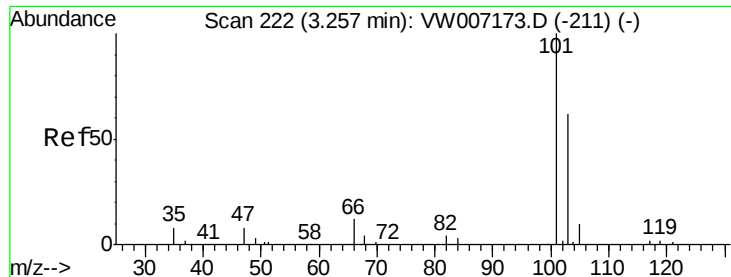
66 22.3 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

Trichlorofluoromethane

Concen: 2.549 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

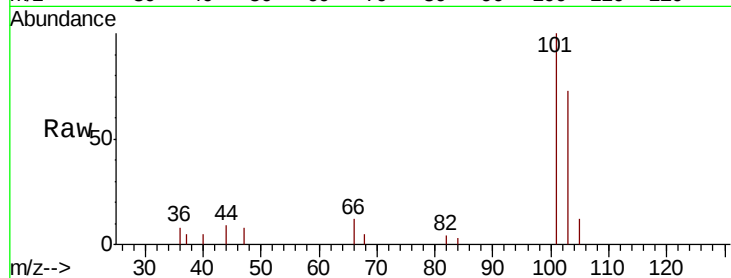
VSTDIC005

Tgt Ion:101 Resp: 4971

Ion Ratio Lower Upper

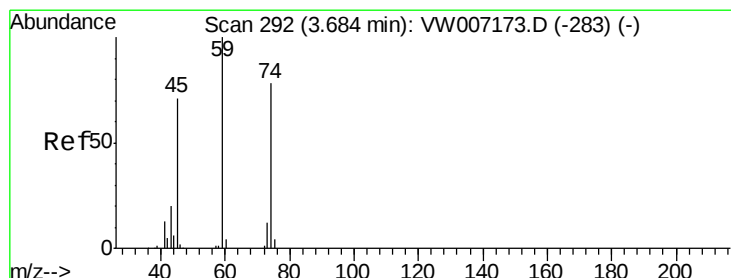
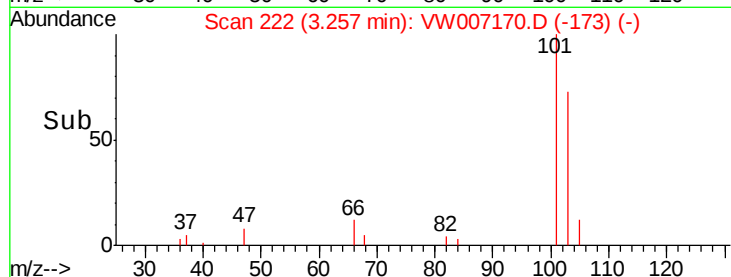
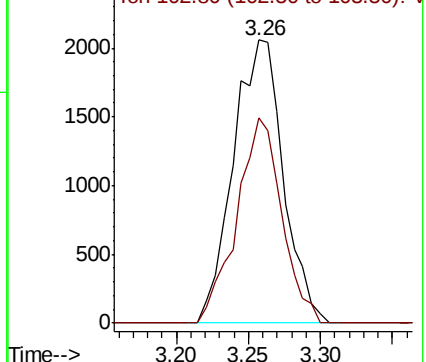
101 100

103 72.5 49.6 74.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 2.529 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW007170.D

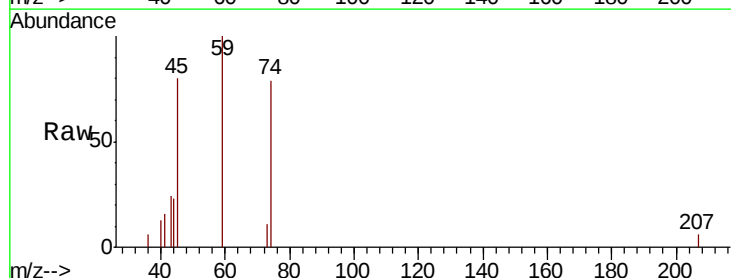
Acq: 03 Dec 2018 23:36

Tgt Ion: 74 Resp: 1597

Ion Ratio Lower Upper

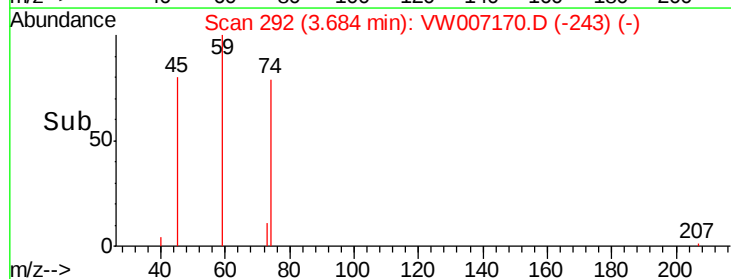
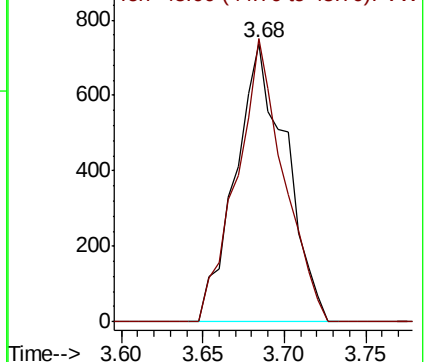
74 100

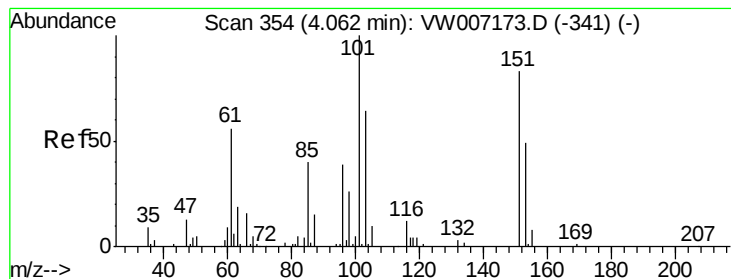
45 94.0 45.6 136.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.465 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

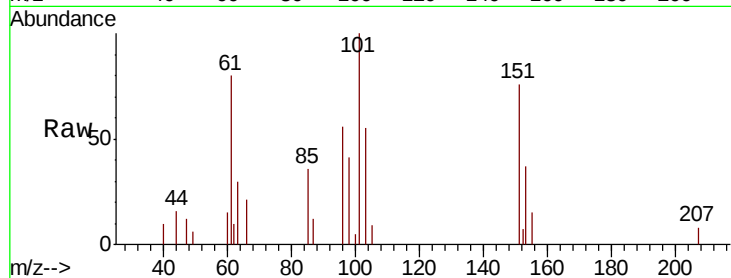
Tgt Ion: 101 Resp: 3109

Ion Ratio Lower Upper

101 100

85 46.3 34.2 51.2

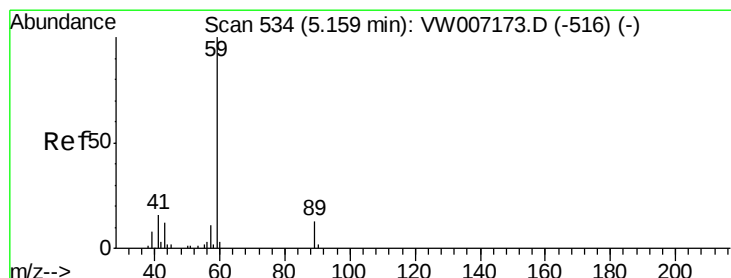
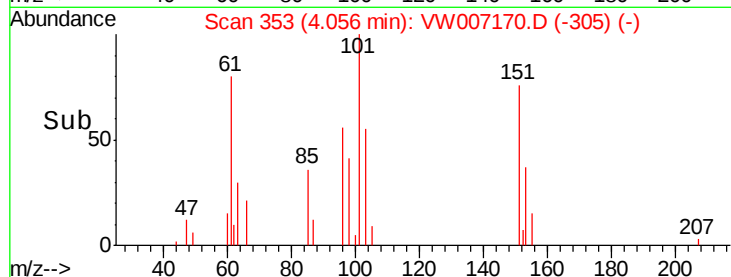
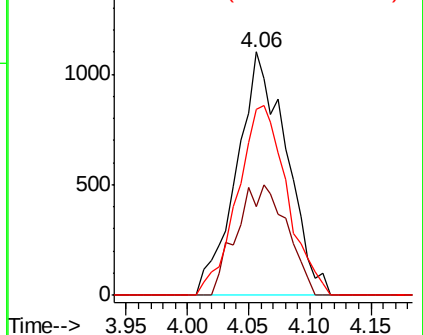
151 77.8 63.8 95.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 74.221 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.03 min

Lab File: VW007170.D

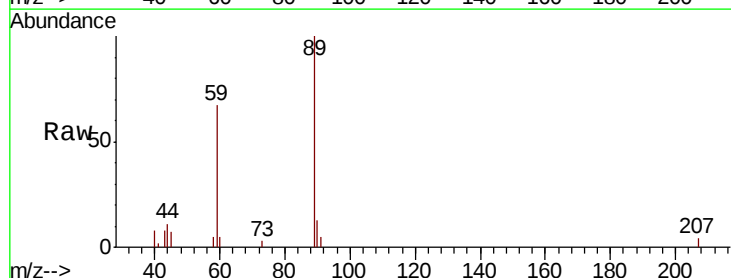
Acq: 03 Dec 2018 23:36

Tgt Ion: 59 Resp: 6237

Ion Ratio Lower Upper

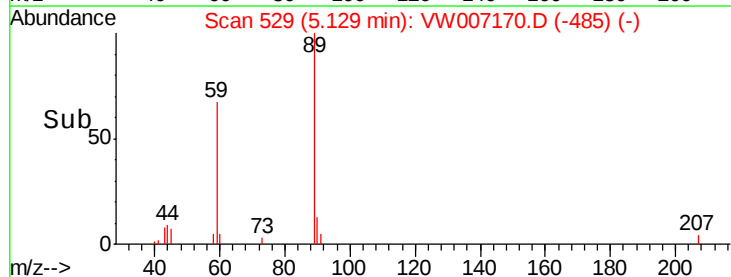
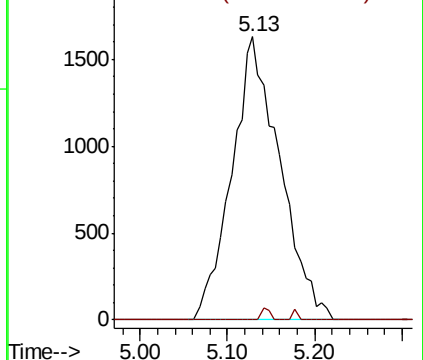
59 100

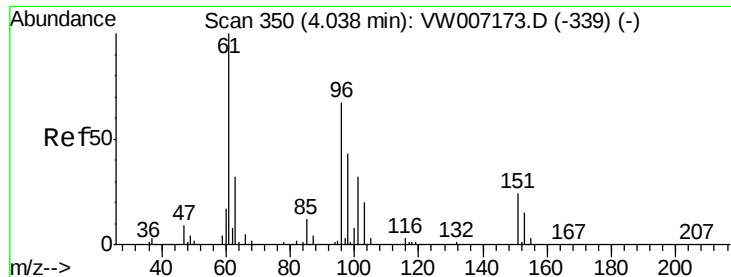
57 0.7 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

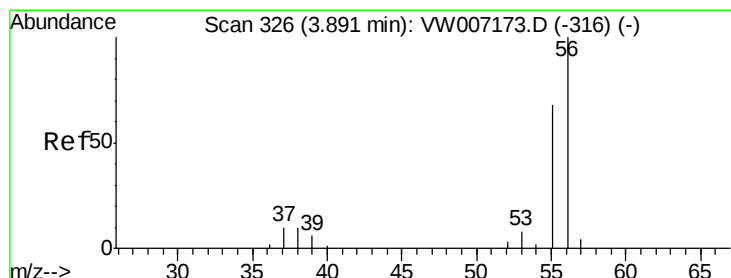
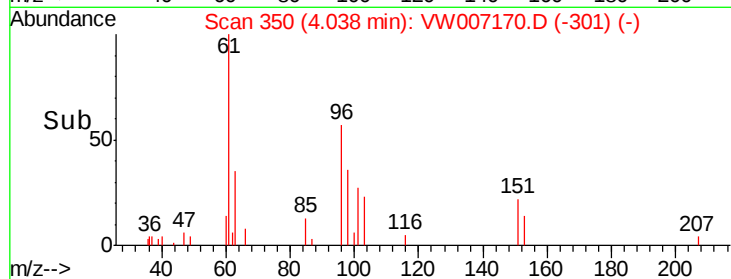
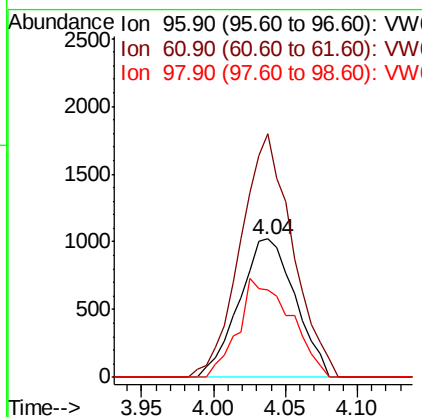
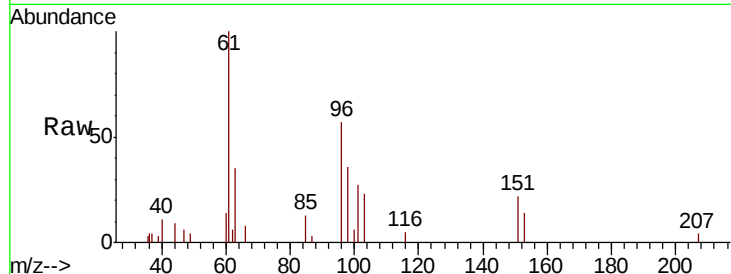




#12
 1,1-Dichloroethene
 Concen: 2.482 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

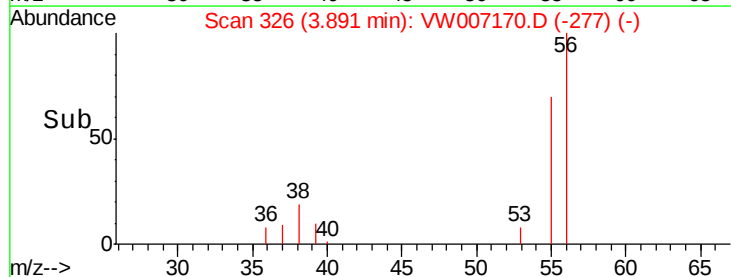
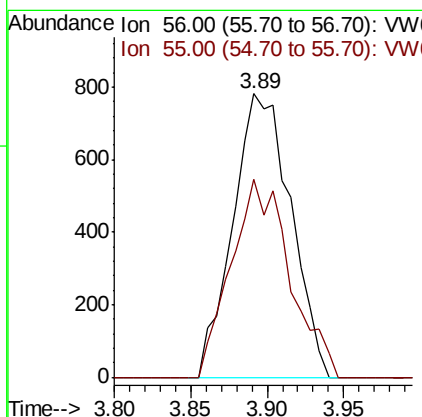
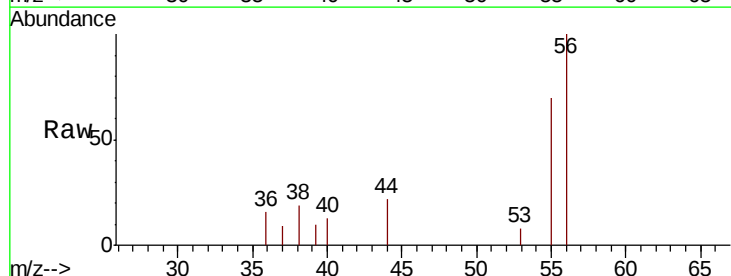
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

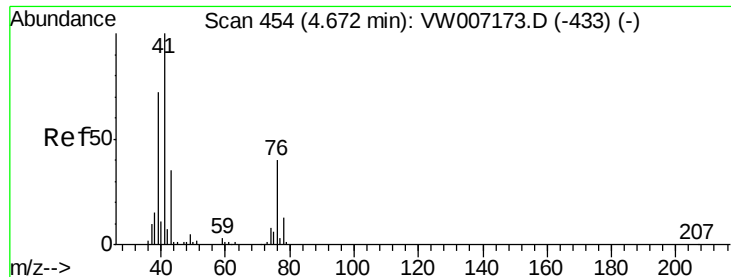
Tgt Ion: 96 Resp: 2766
 Ion Ratio Lower Upper
 96 100
 61 176.3 119.4 179.2
 98 63.4 51.0 76.6



#13
 Acrolein
 Concen: 25.174 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion: 56 Resp: 2050
 Ion Ratio Lower Upper
 56 100
 55 71.0 55.8 83.6





#14

Allyl chloride

Concen: 2.528 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

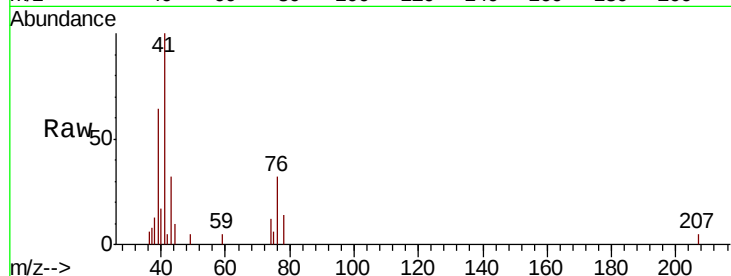
Tgt Ion: 41 Resp: 4680

Ion Ratio Lower Upper

41 100

39 69.0 55.1 82.7

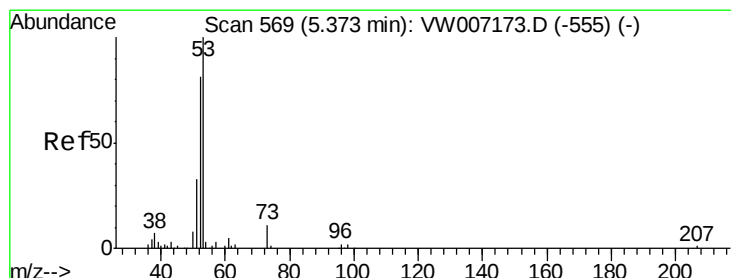
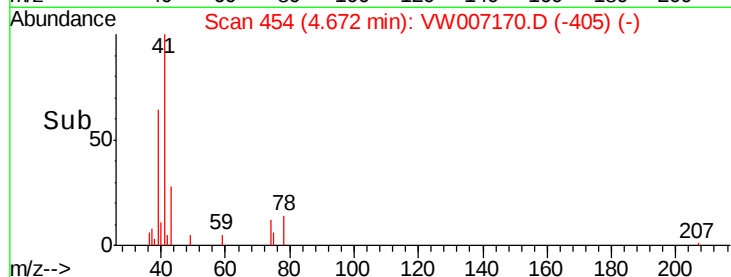
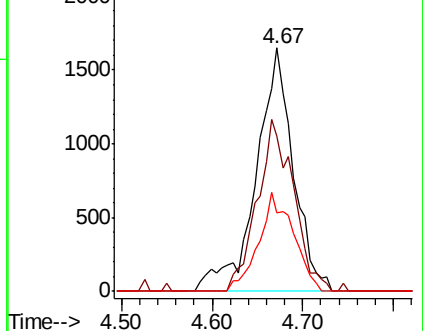
76 37.8 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



#15

Acrylonitrile

Concen: 12.556 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

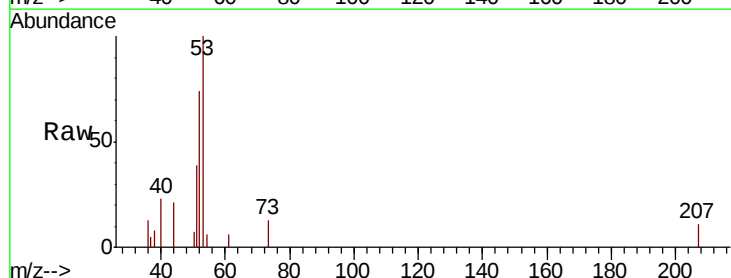
Tgt Ion: 53 Resp: 3002

Ion Ratio Lower Upper

53 100

52 83.8 65.2 97.8

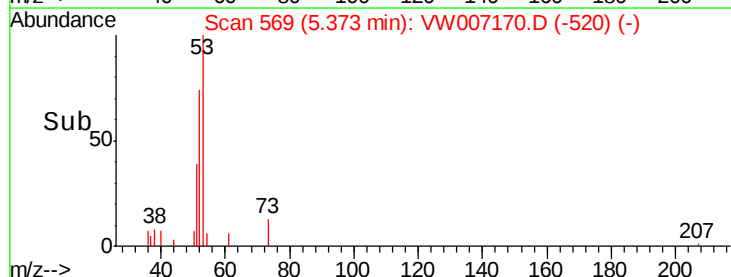
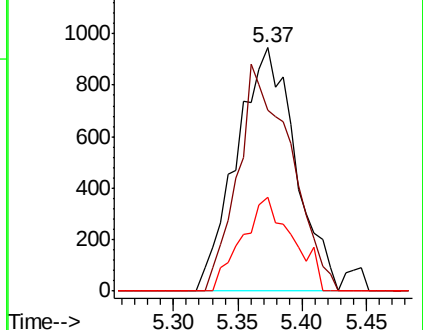
51 33.4 29.2 43.8

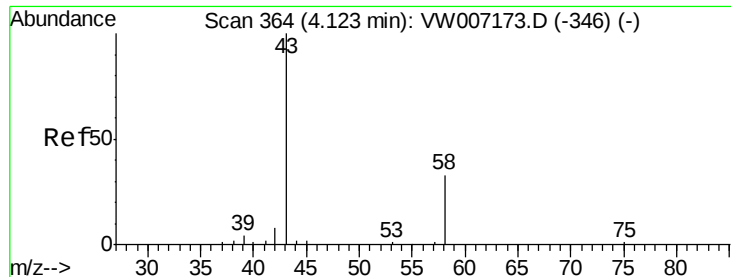


Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW





#16

Acetone

Concen: 18.539 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

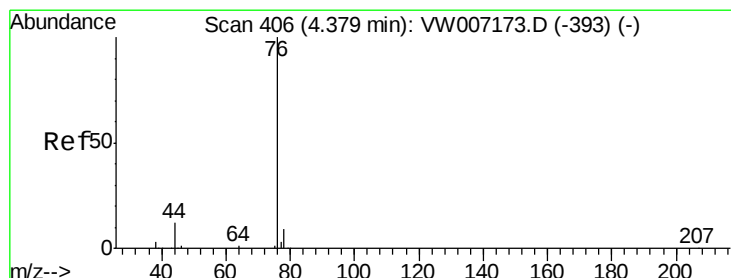
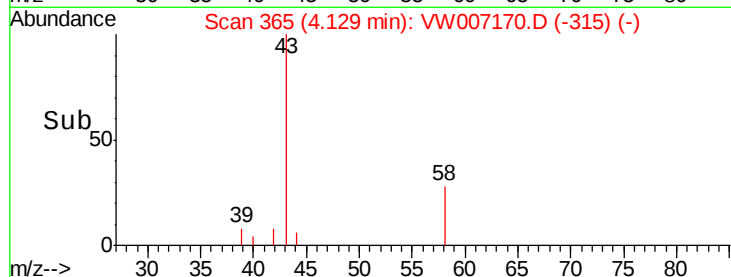
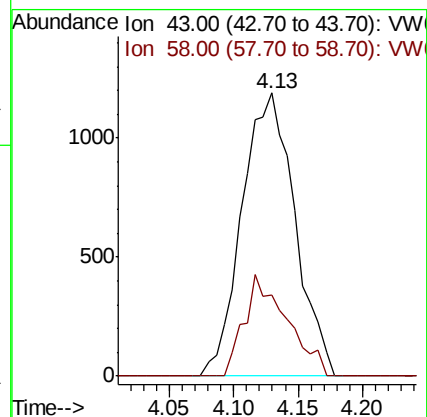
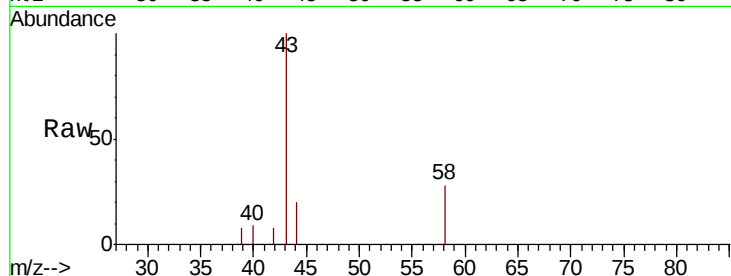
VSTDIC005

Tgt Ion: 43 Resp: 3382

Ion Ratio Lower Upper

43 100

58 28.4 26.5 39.7



#17

Carbon Disulfide

Concen: 2.628 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW007170.D

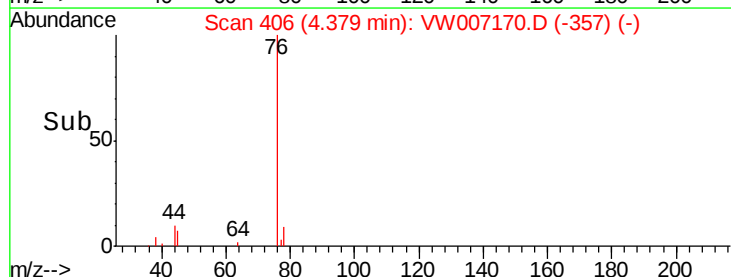
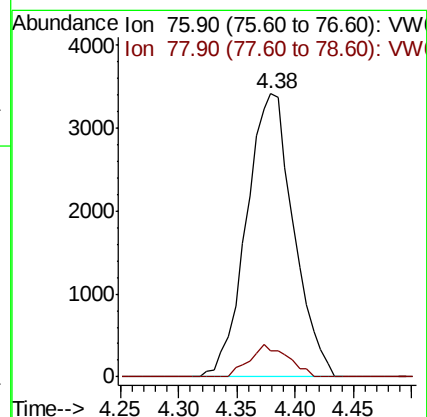
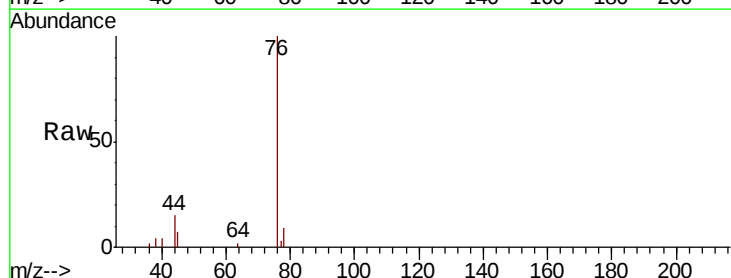
Acq: 03 Dec 2018 23:36

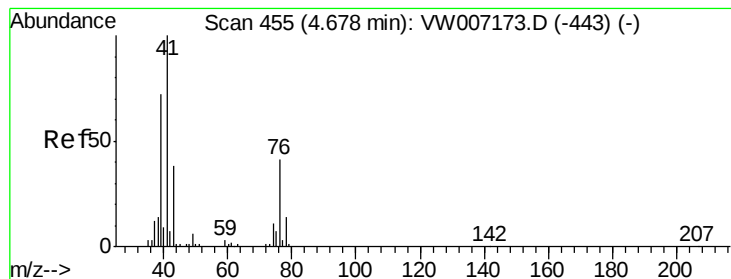
Tgt Ion: 76 Resp: 9562

Ion Ratio Lower Upper

76 100

78 9.3 6.9 10.3





#18

Methyl Acetate

Concen: 3.210 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

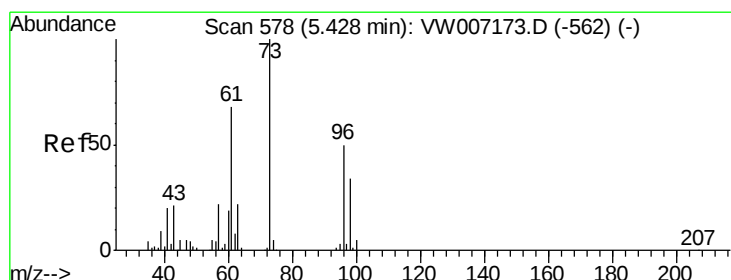
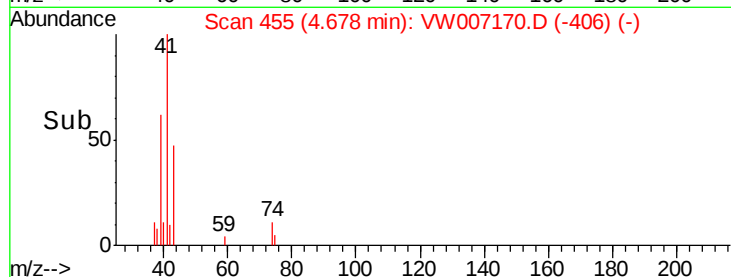
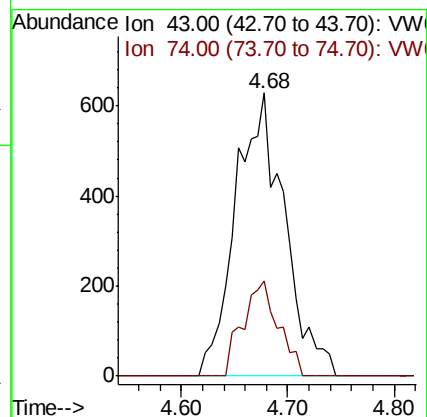
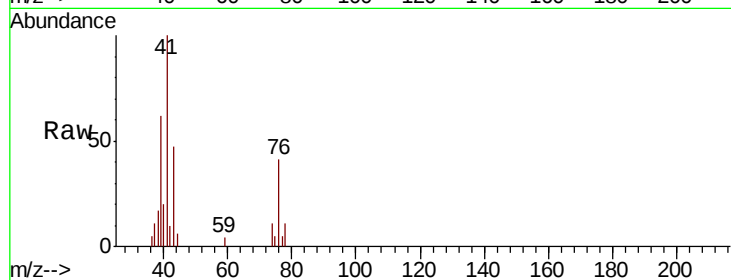
VSTDIC005

Tgt Ion: 43 Resp: 2021

Ion Ratio Lower Upper

43 100

74 24.5 20.2 30.4



#19

Methyl tert-butyl Ether

Concen: 2.484 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007170.D

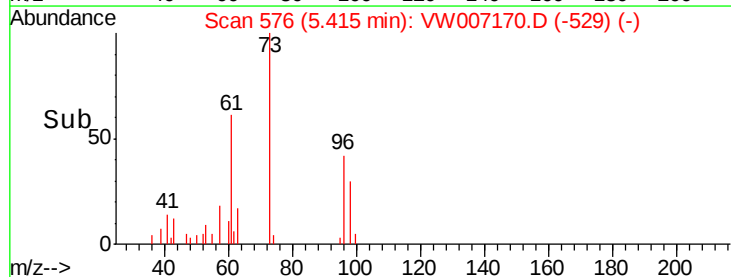
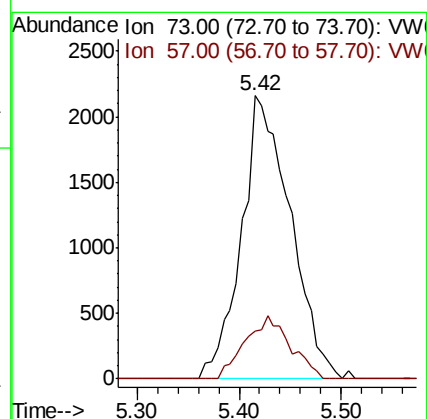
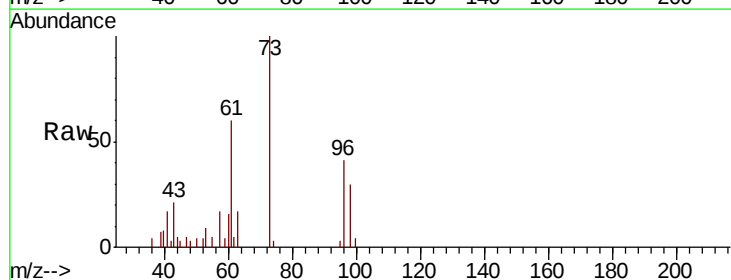
Acq: 03 Dec 2018 23:36

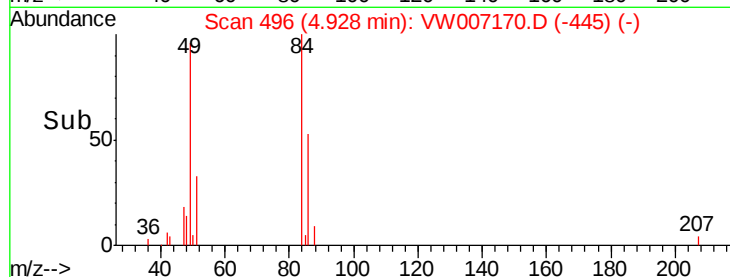
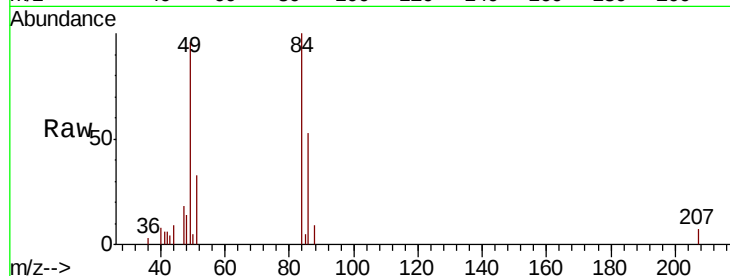
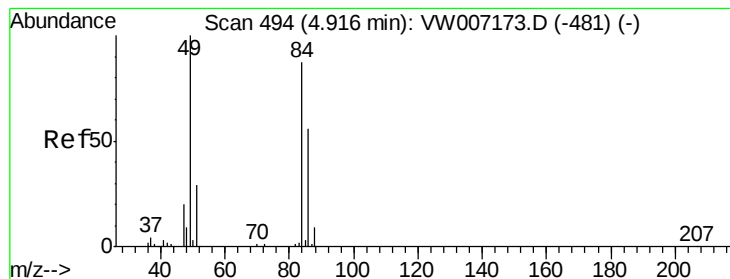
Tgt Ion: 73 Resp: 7192

Ion Ratio Lower Upper

73 100

57 17.0 17.7 26.5#





#20

Methylene Chloride

Concen: 3.575 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 84 Resp: 6190

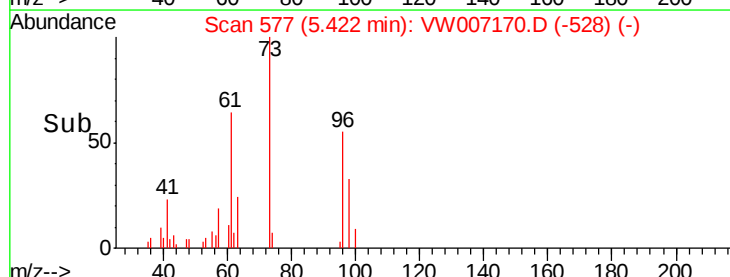
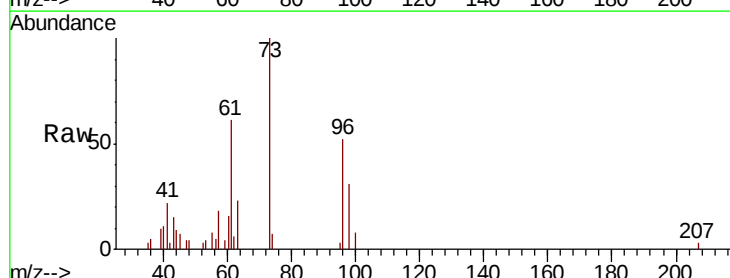
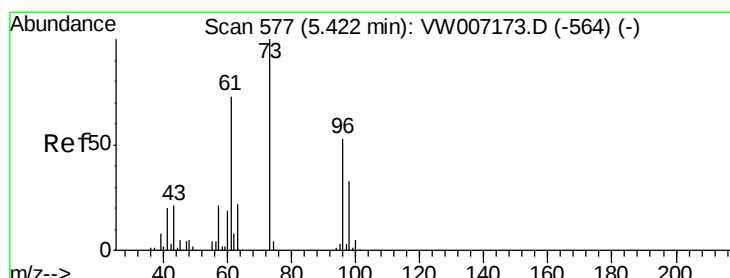
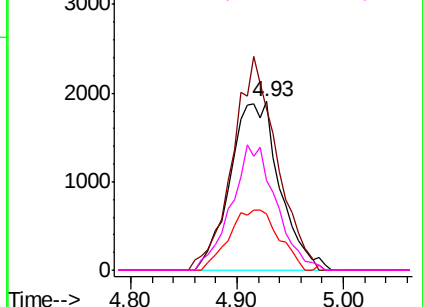
Ion	Ratio	Lower	Upper
84	100		
49	95.9	92.5	138.7
51	33.1	27.1	40.7
86	52.9	52.2	78.2

Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 2.510 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

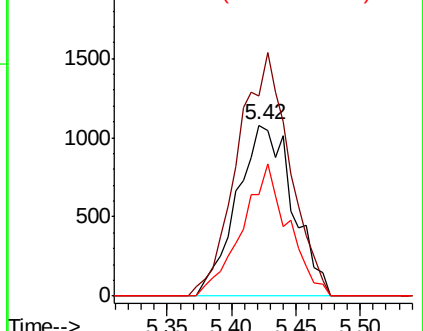
Tgt Ion: 96 Resp: 3267

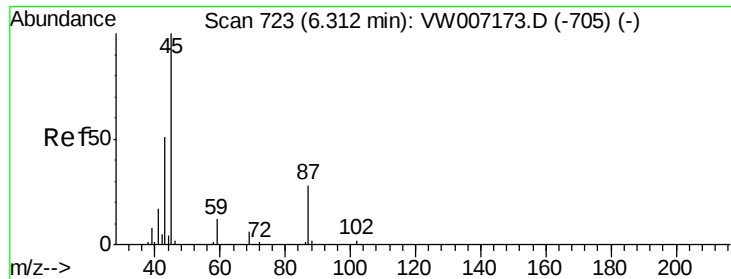
Ion	Ratio	Lower	Upper
96	100		
61	117.4	109.8	164.8
98	59.6	50.0	75.0

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: 2.293 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 45 Resp: 8224

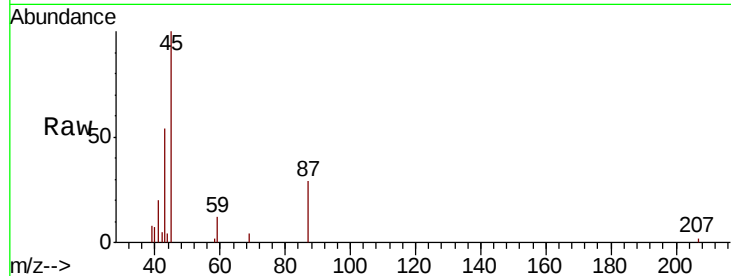
Ion Ratio Lower Upper

45 100

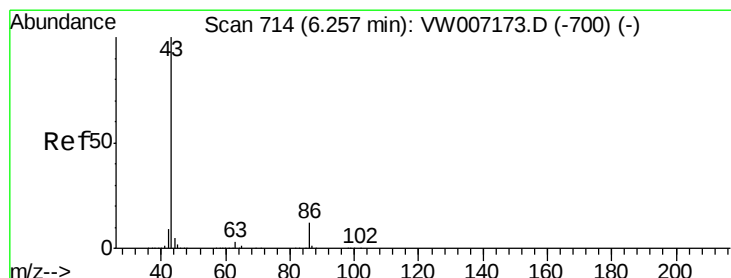
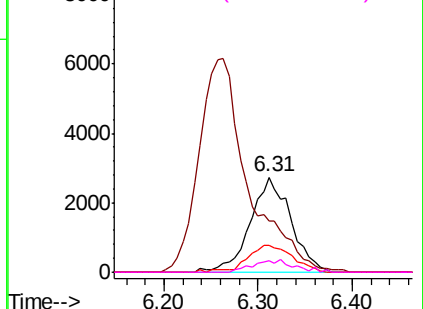
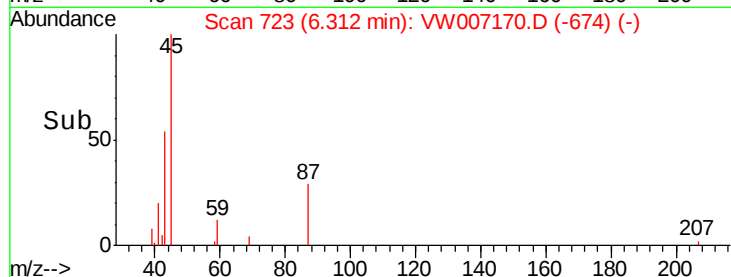
43 50.4 42.2 63.4

87 28.7 22.8 34.2

59 12.3 9.5 14.3



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: 11.746 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW007170.D

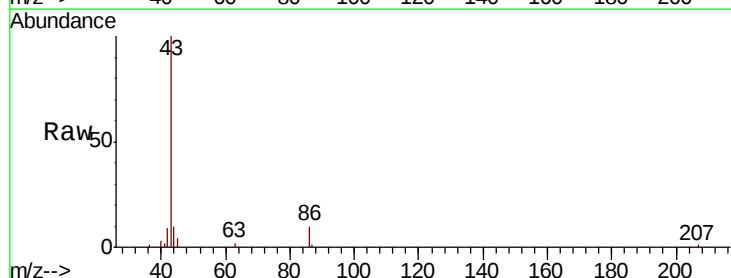
Acq: 03 Dec 2018 23:36

Tgt Ion: 43 Resp: 22334

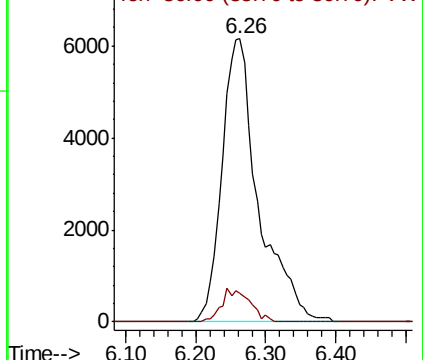
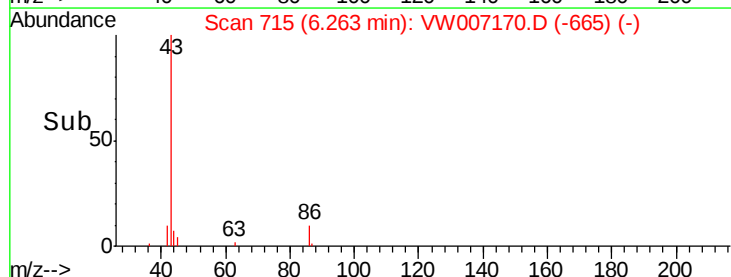
Ion Ratio Lower Upper

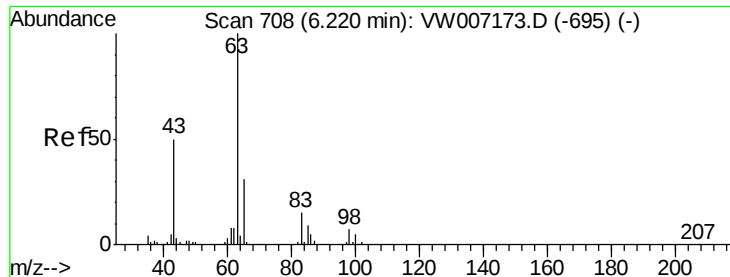
43 100

86 9.9 9.7 14.5



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





#24

1,1-Dichloroethane

Concen: 2.509 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

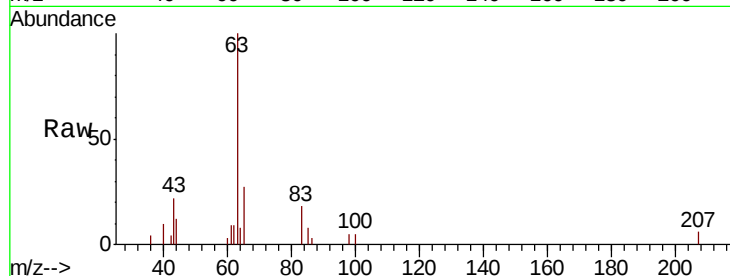
Tgt Ion: 63 Resp: 5491

Ion Ratio Lower Upper

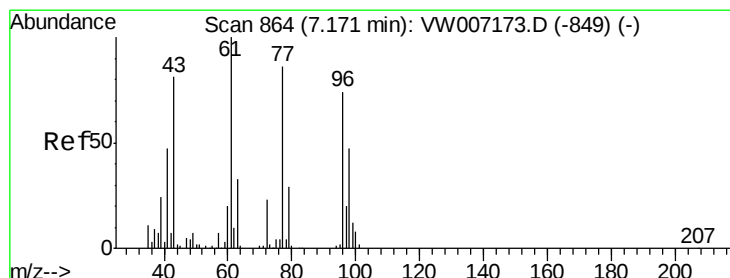
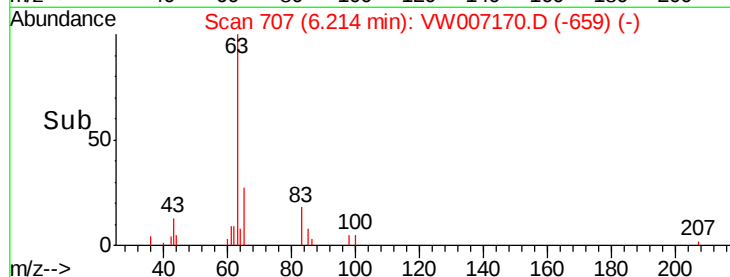
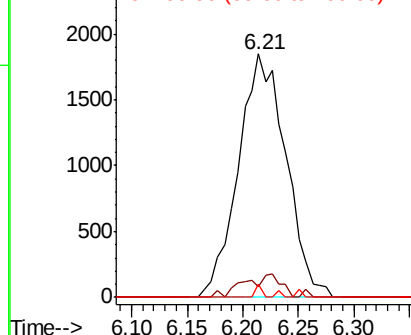
63 100

98 4.7 3.6 10.8

100 5.2 2.4 7.1



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



#25

2-Butanone

Concen: 14.178 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007170.D

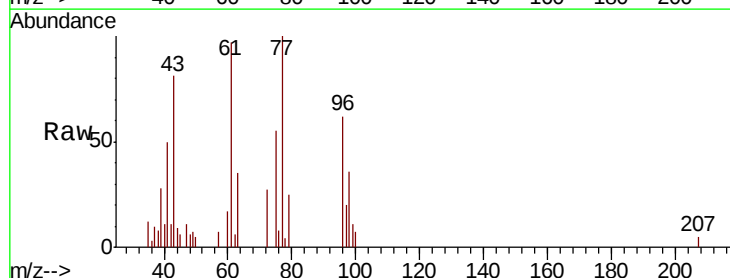
Acq: 03 Dec 2018 23:36

Tgt Ion: 43 Resp: 4260

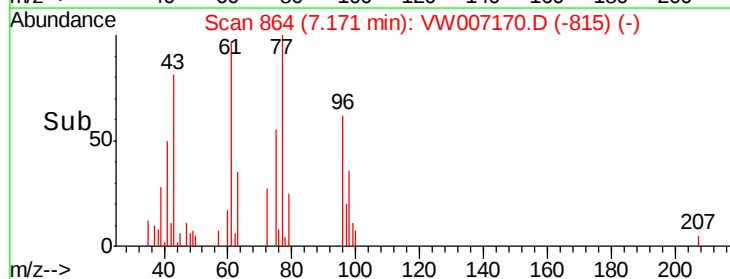
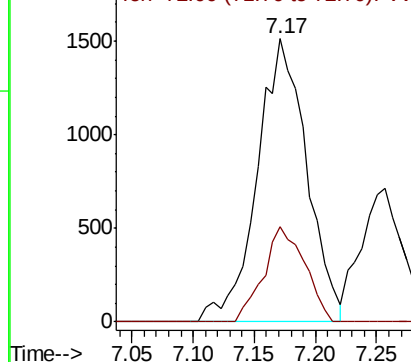
Ion Ratio Lower Upper

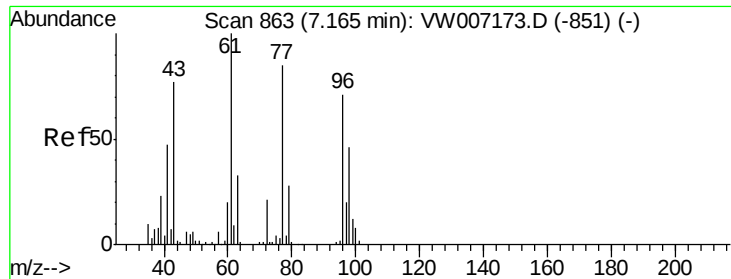
43 100

72 33.8 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 2.659 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

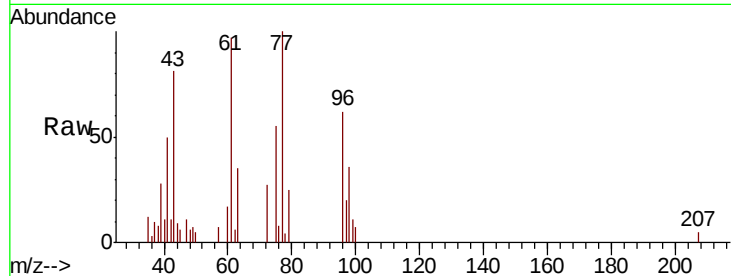
VSTDIC005

Tgt Ion: 77 Resp: 5210

Ion Ratio Lower Upper

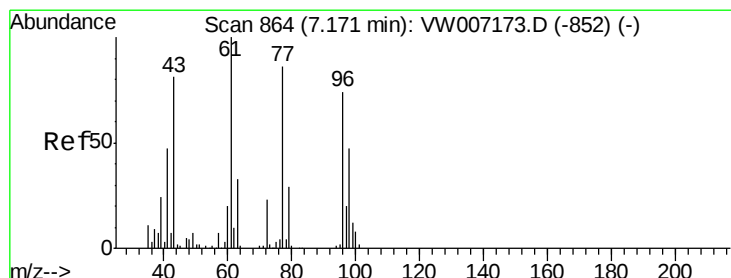
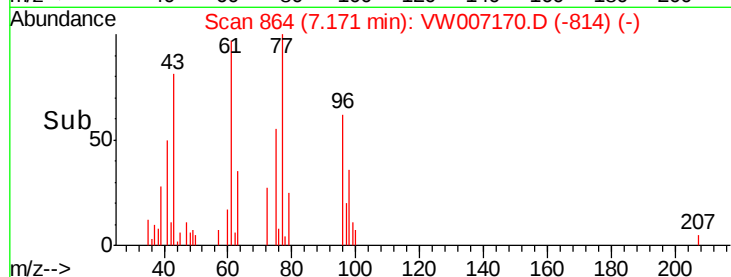
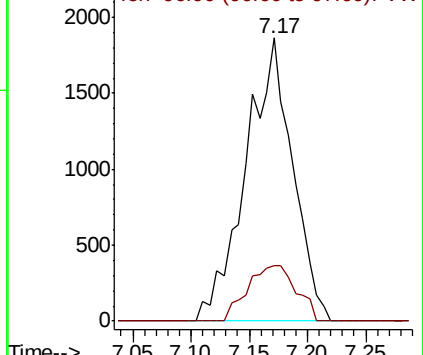
77 100

97 20.3 11.4 34.1



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: 2.583 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

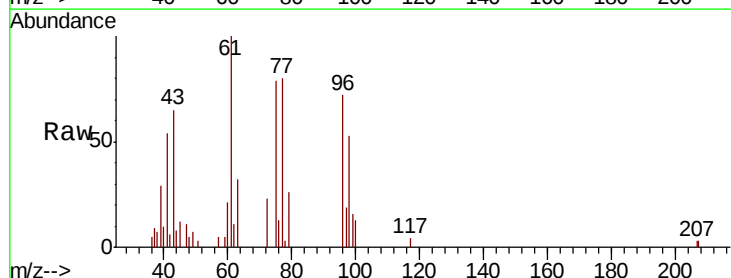
Tgt Ion: 96 Resp: 3591

Ion Ratio Lower Upper

96 100

61 147.7 0.0 282.2

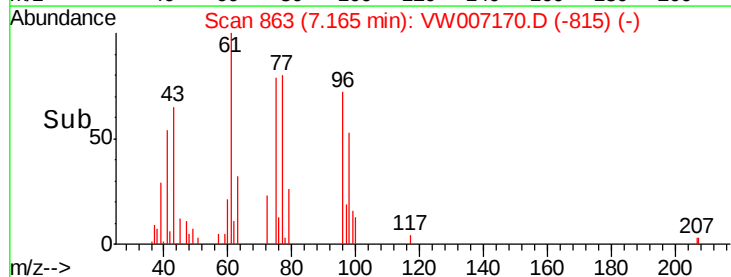
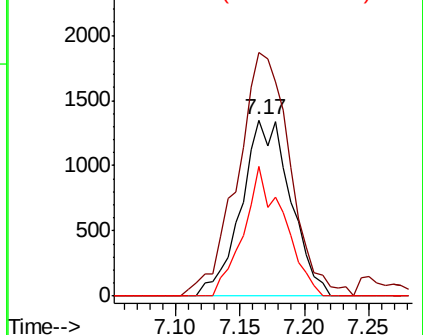
98 60.2 0.0 129.8

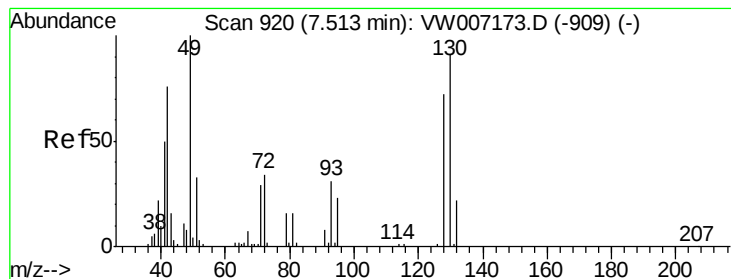


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#28

Bromochloromethane

Concen: 5.305 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

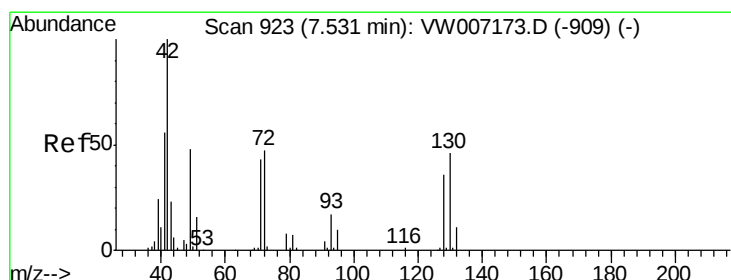
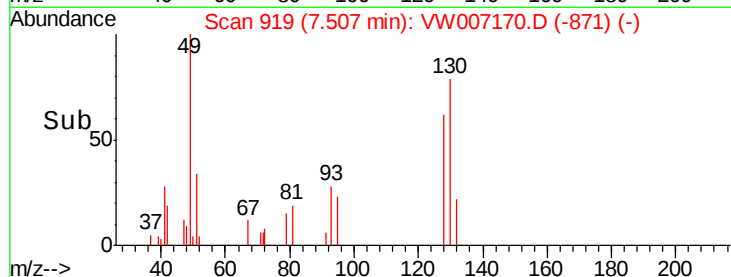
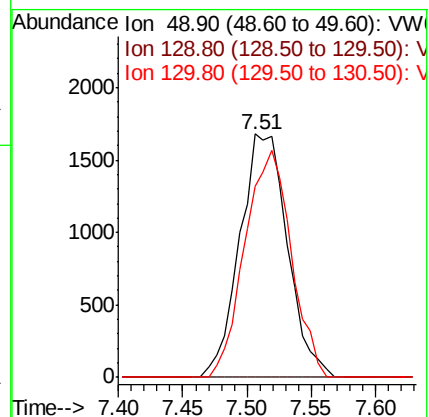
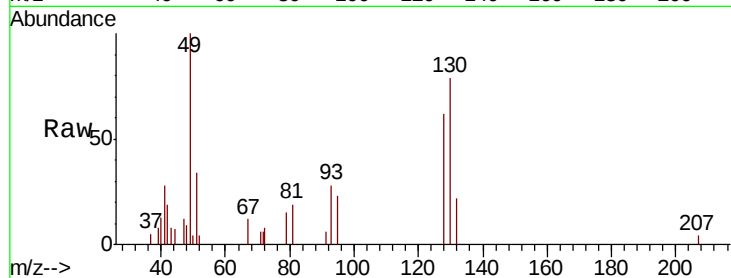
Tgt Ion: 49 Resp: 4325

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.8

130 90.3 70.5 105.7



#29

Tetrahydrofuran

Concen: 13.240 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

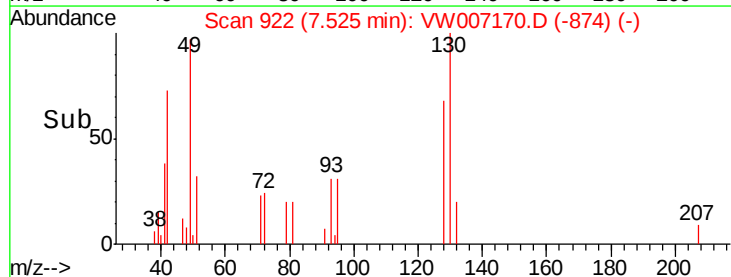
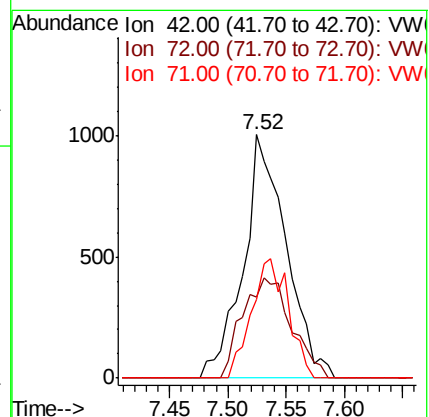
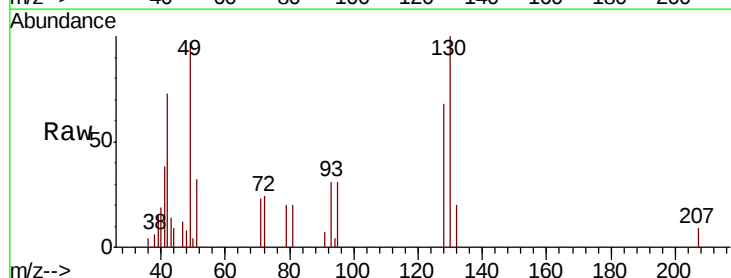
Tgt Ion: 42 Resp: 2572

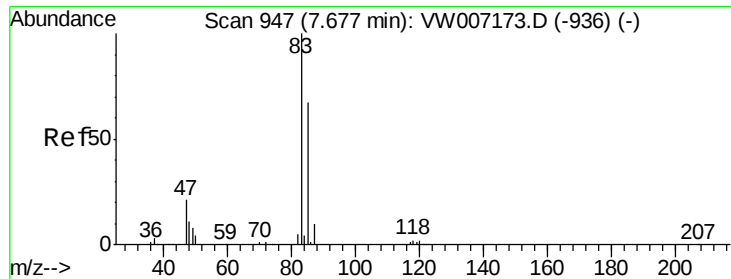
Ion Ratio Lower Upper

42 100

72 47.0 37.3 55.9

71 42.2 35.0 52.6

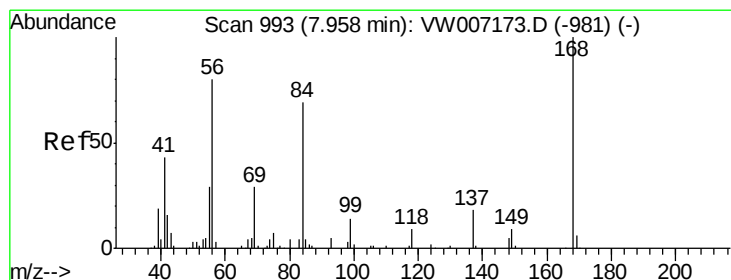
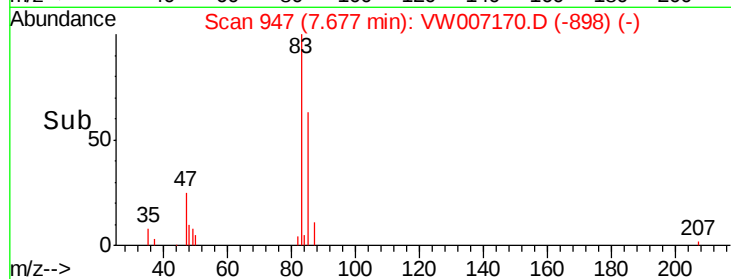
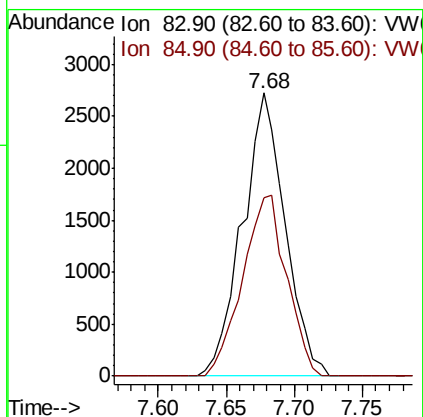
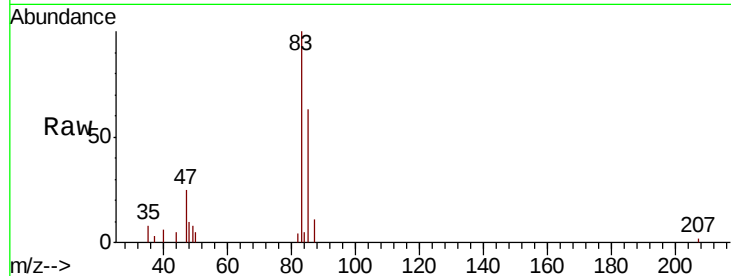




#30
Chloroform
Concen: 2.568 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

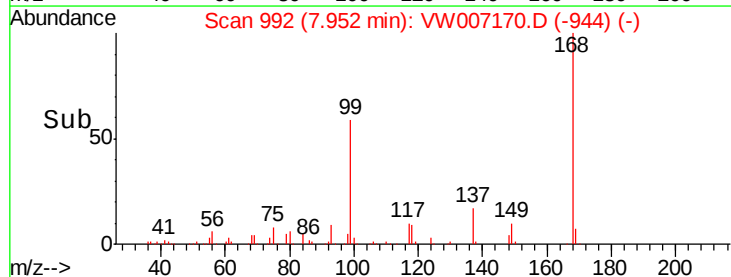
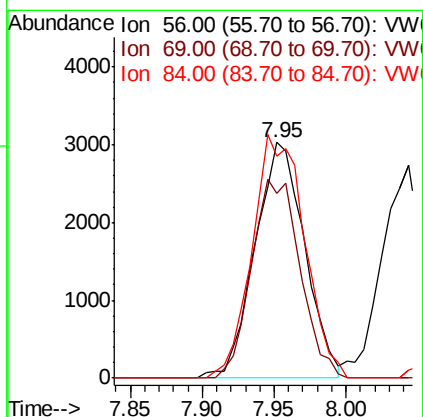
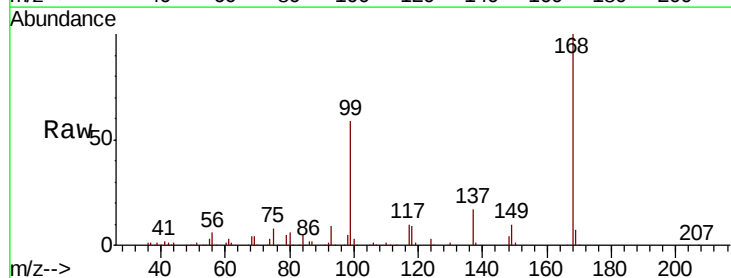
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

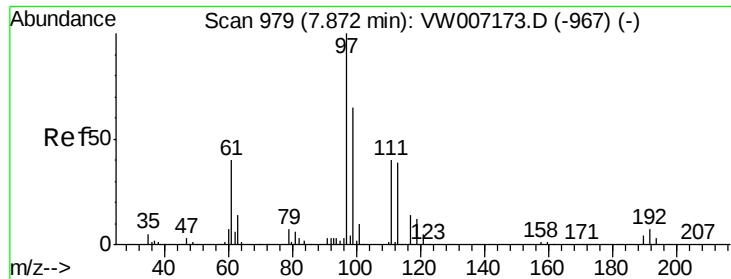
Tgt Ion: 83 Resp: 5976
Ion Ratio Lower Upper
83 100
85 62.9 53.8 80.6



#31
Cyclohexane
Concen: 3.172 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Tgt Ion: 56 Resp: 7260
Ion Ratio Lower Upper
56 100
69 78.5 29.2 43.8#
84 94.3 69.0 103.4





#32

1,1,1-Trichloroethane

Concen: 2.491 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

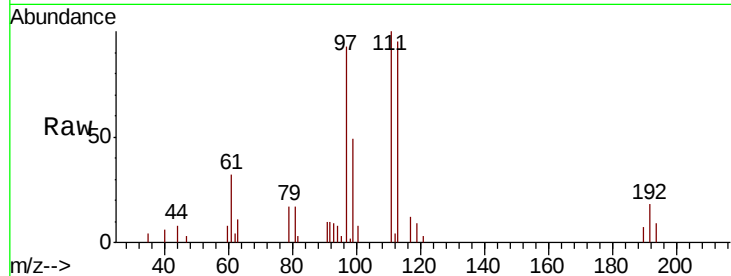
Tgt Ion: 97 Resp: 5215

Ion Ratio Lower Upper

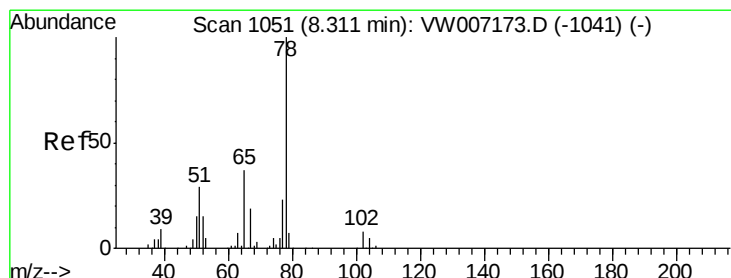
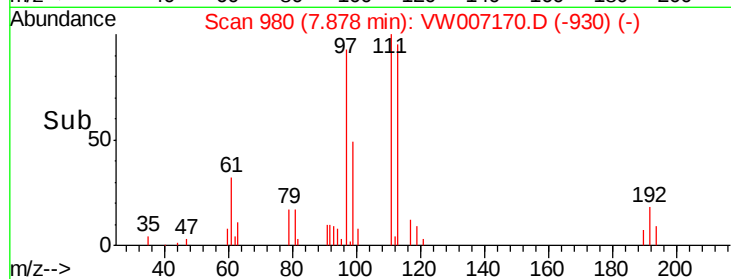
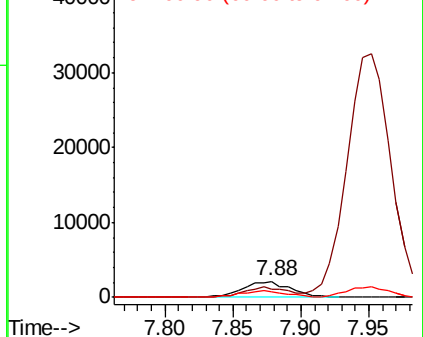
97 100

99 63.2 52.0 78.0

61 41.2 32.7 49.1



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: 5.556 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007170.D

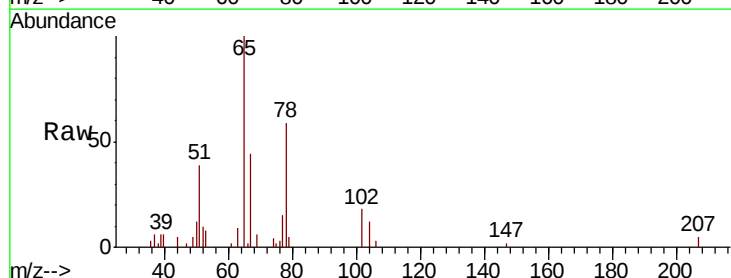
Acq: 03 Dec 2018 23:36

Tgt Ion: 65 Resp: 6685

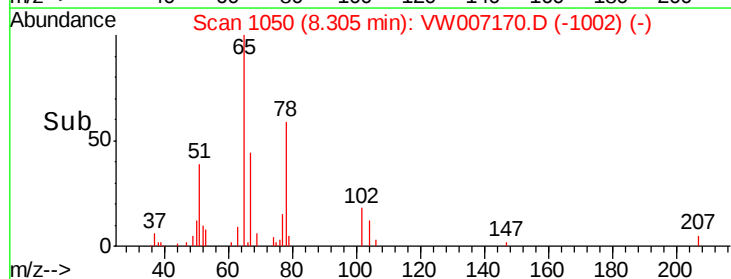
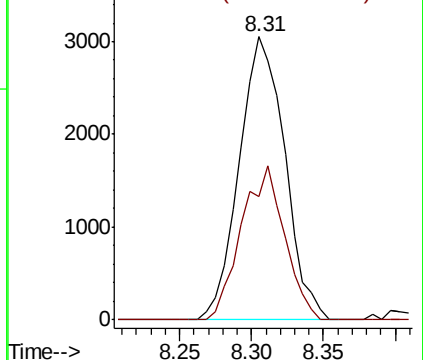
Ion Ratio Lower Upper

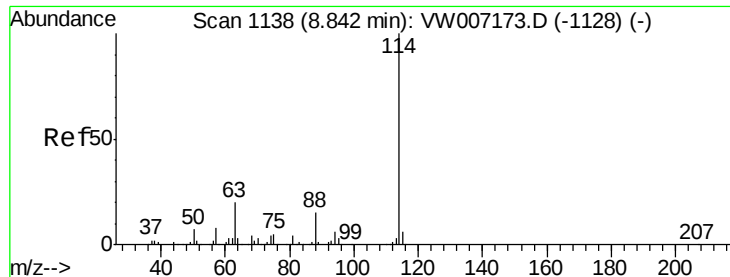
65 100

67 51.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

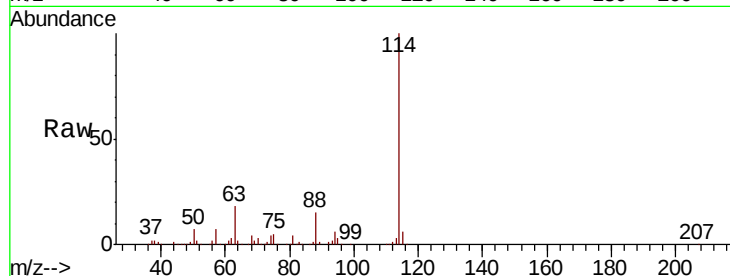




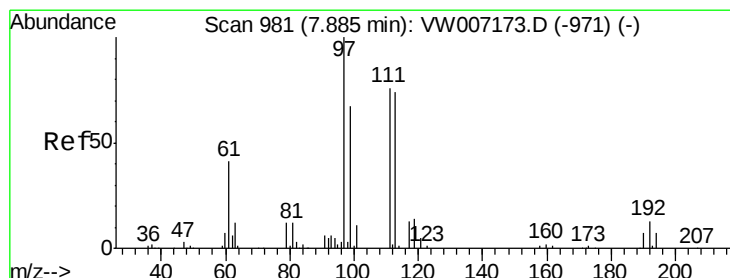
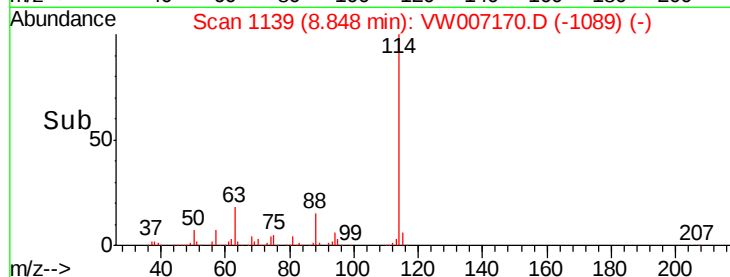
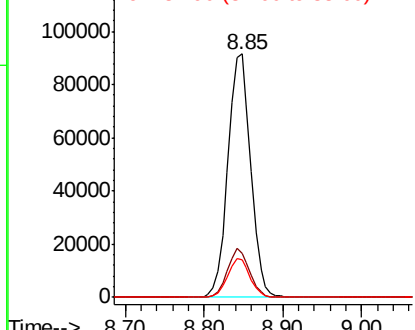
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:114 Resp: 183803
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.0
 88 15.2 0.0 30.8

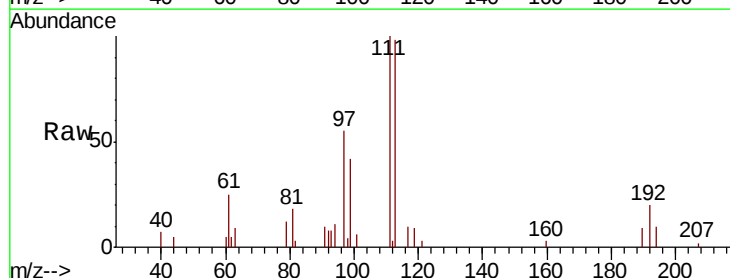


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

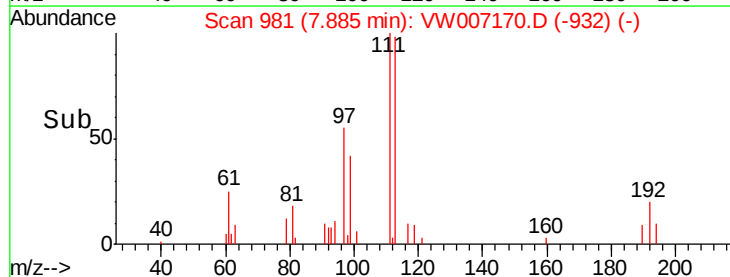
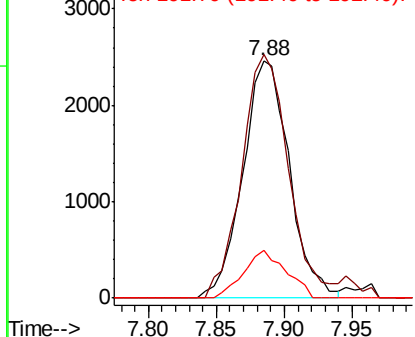


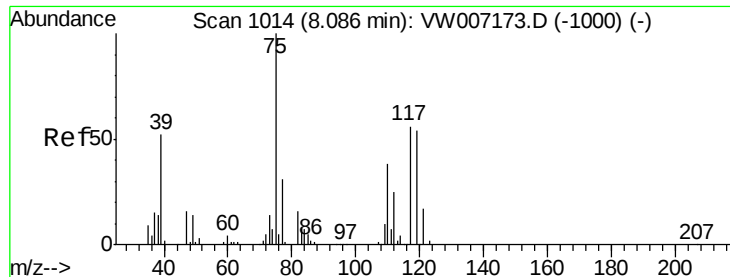
#35
 Dibromofluoromethane
 Concen: 5.711 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion:113 Resp: 5901
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 18.2 14.7 22.1



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

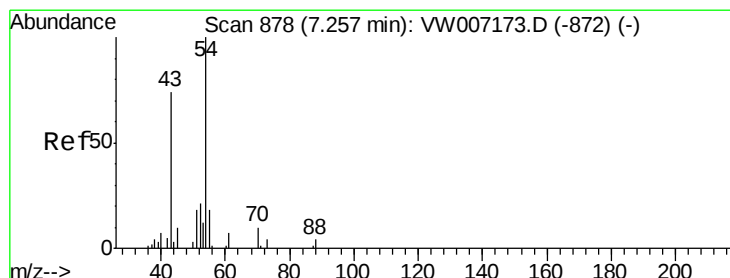
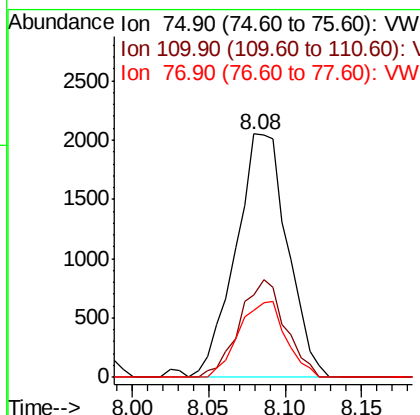
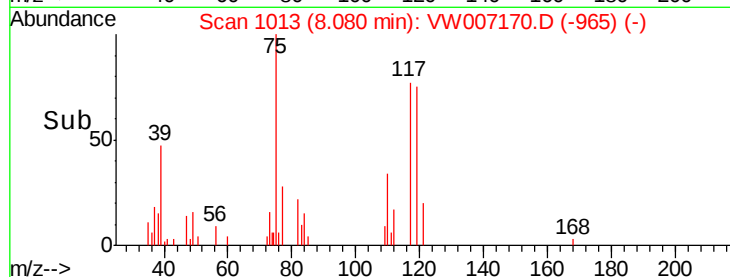
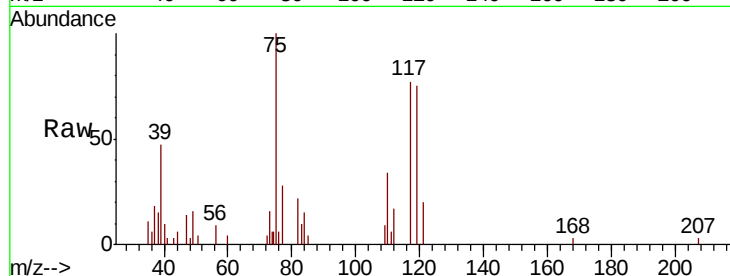




#36
 1,1-Dichloropropene
 Concen: 2.725 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

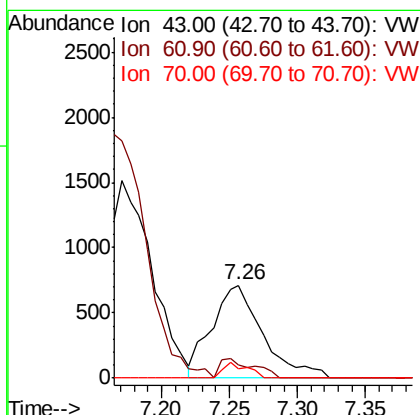
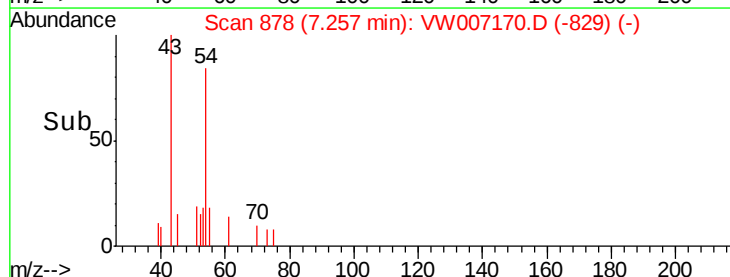
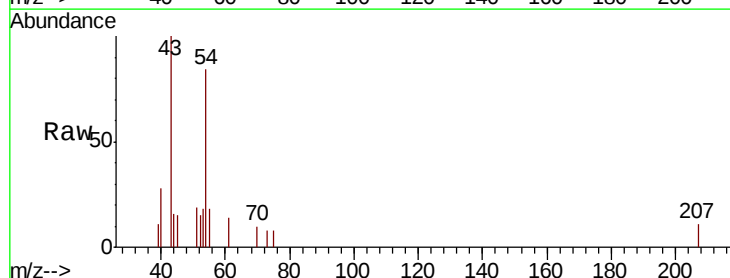
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

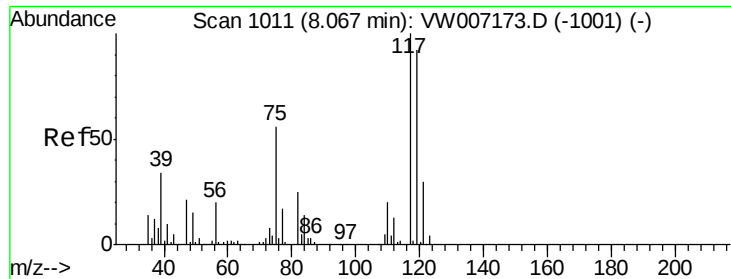
Tgt Ion: 75 Resp: 4825
 Ion Ratio Lower Upper
 75 100
 110 35.4 18.4 55.2
 77 28.4 24.9 37.3



#37
 Ethyl Acetate
 Concen: 2.858 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion: 43 Resp: 1854
 Ion Ratio Lower Upper
 43 100
 61 13.8 12.2 18.4
 70 7.8 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 2.614 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

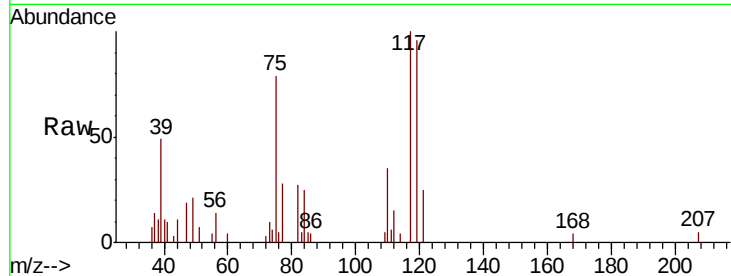
Tgt Ion: 117 Resp: 4455

Ion Ratio Lower Upper

117 100

119 95.7 73.8 110.6

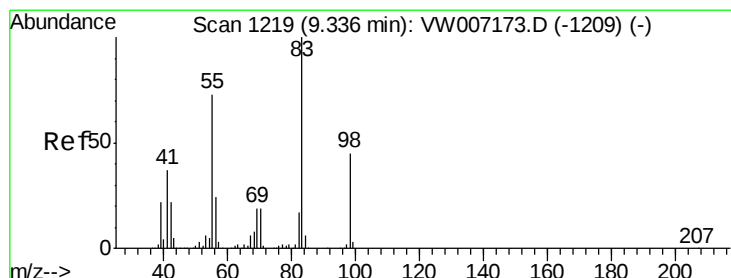
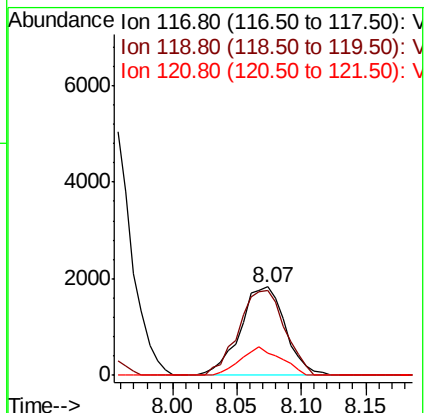
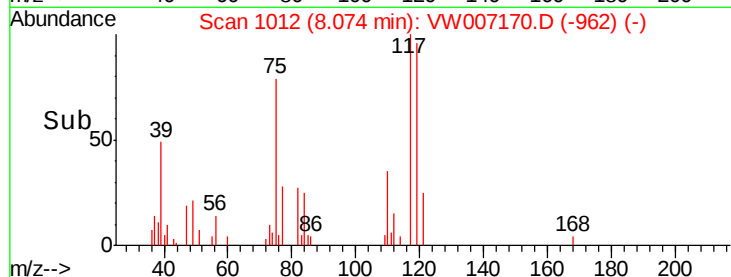
121 24.9 24.1 36.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 2.758 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

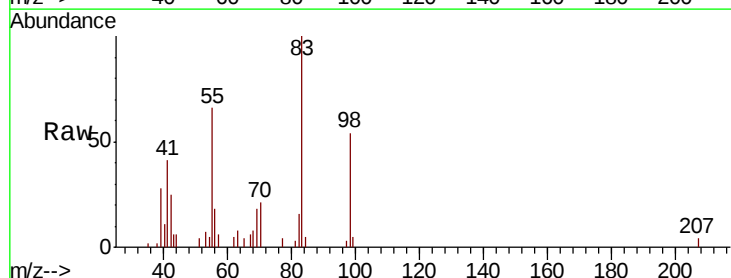
Tgt Ion: 83 Resp: 6116

Ion Ratio Lower Upper

83 100

55 66.4 58.7 88.1

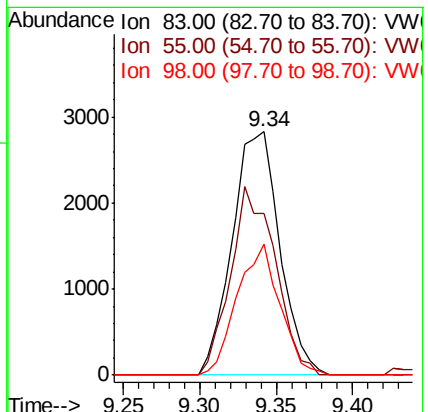
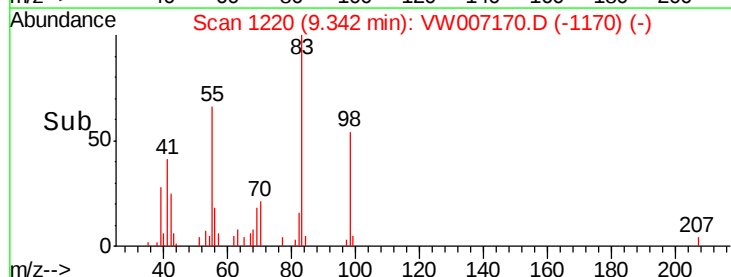
98 53.8 36.3 54.5

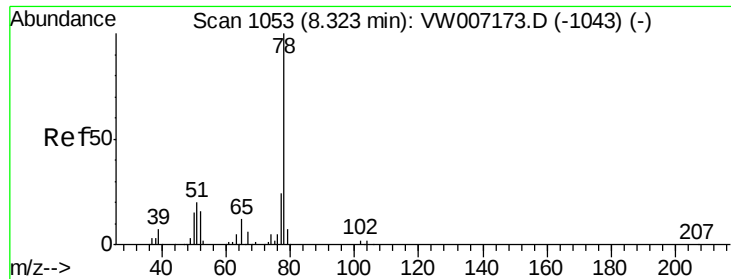


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

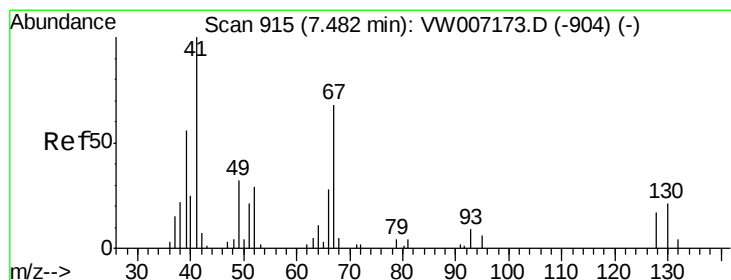
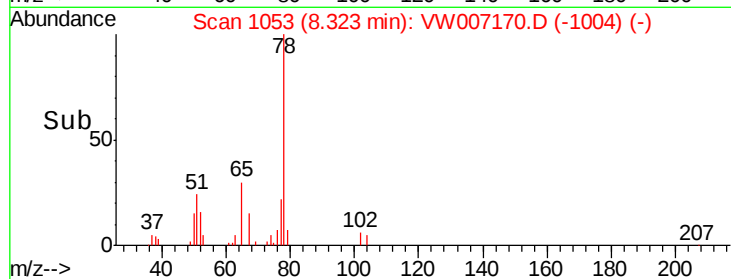
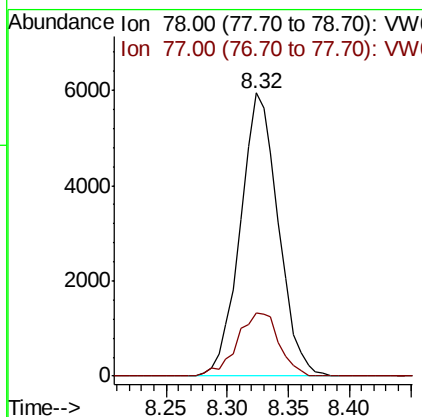
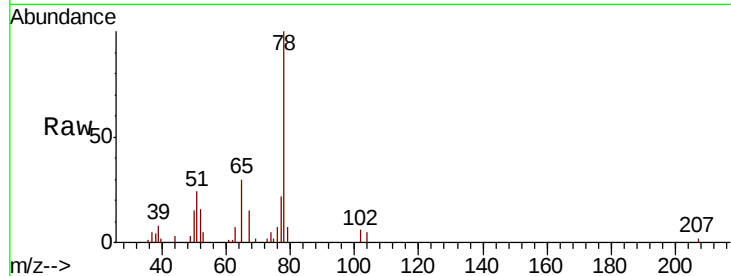




#40
Benzene
Concen: 2.662 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

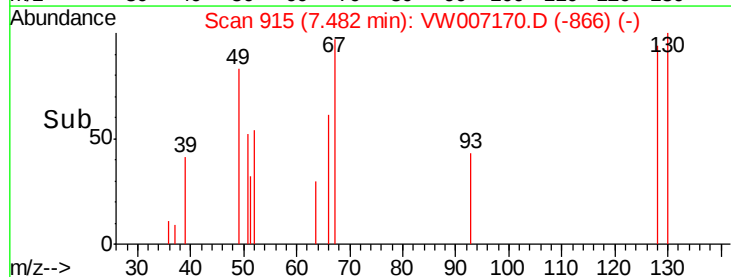
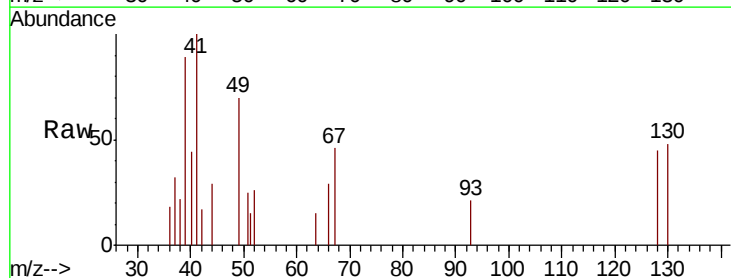
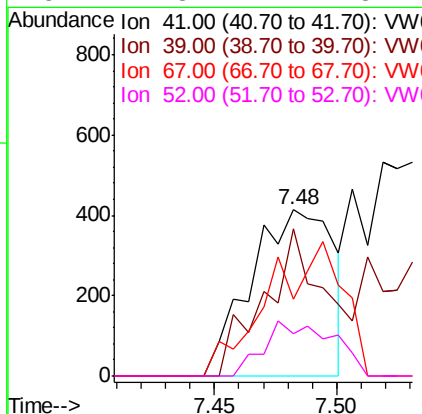
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

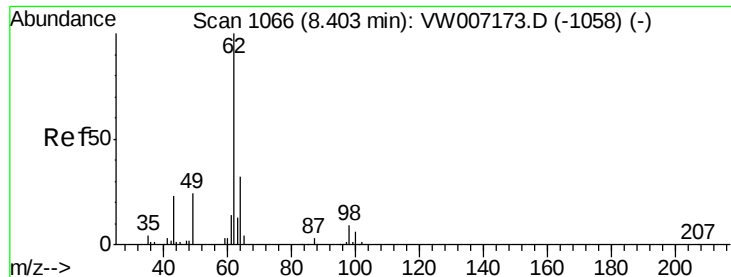
Tgt Ion: 78 Resp: 12806
Ion Ratio Lower Upper
78 100
77 22.2 19.5 29.3



#41
Methacrylonitrile
Concen: 2.395 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Tgt Ion: 41 Resp: 974
Ion Ratio Lower Upper
41 100
39 67.0 43.4 65.2#
67 0.0 54.3 81.5#
52 27.3 21.4 32.2





#42

1,2-Dichloroethane

Concen: 2.590 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

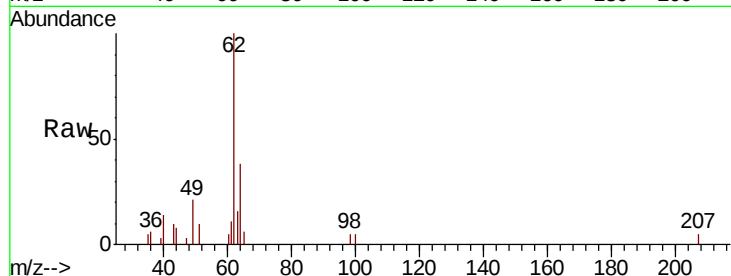
VSTDIC005

Tgt Ion: 62 Resp: 3614

Ion Ratio Lower Upper

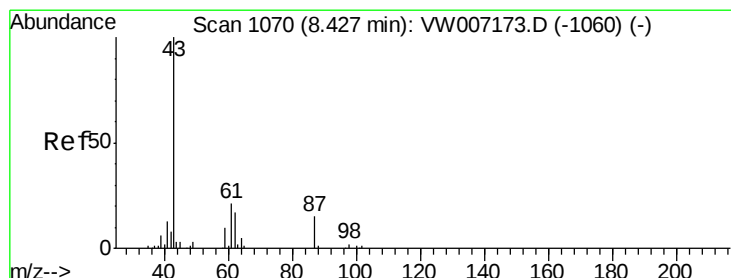
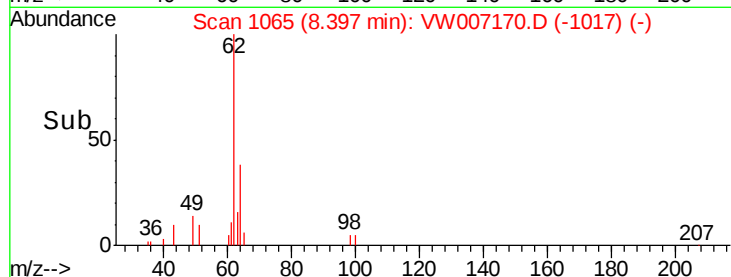
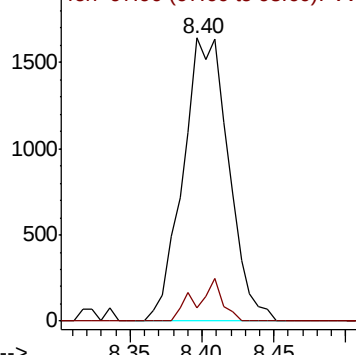
62 100

98 8.7 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 2.793 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

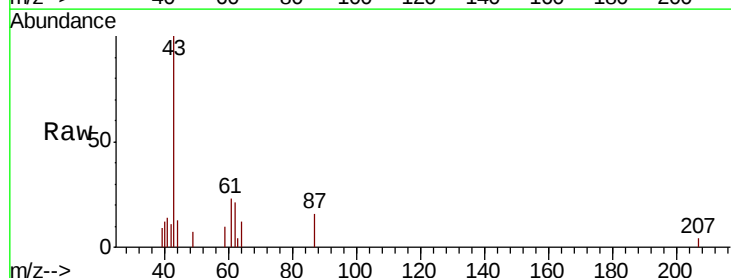
Tgt Ion: 43 Resp: 3471

Ion Ratio Lower Upper

43 100

61 30.7 24.7 37.1

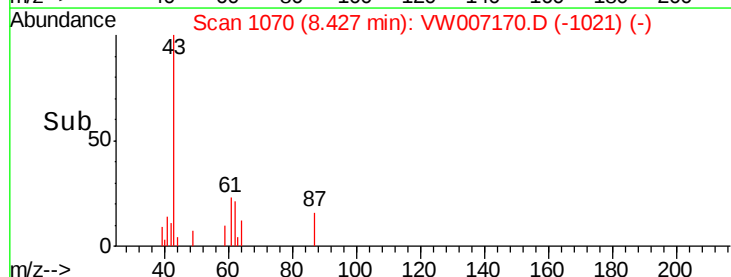
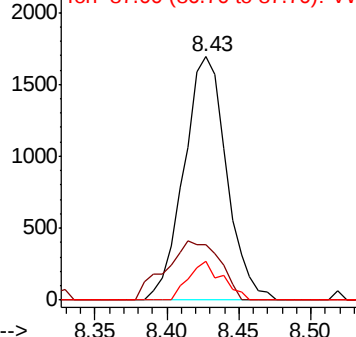
87 12.6 11.3 16.9

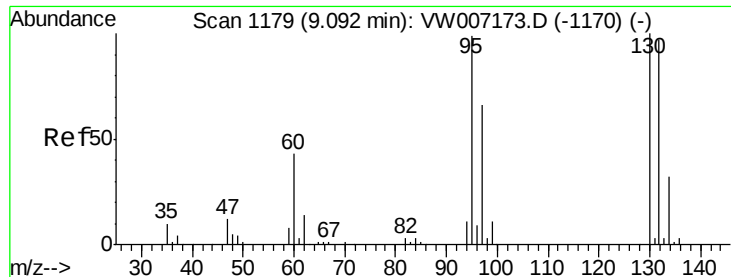


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 2.590 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

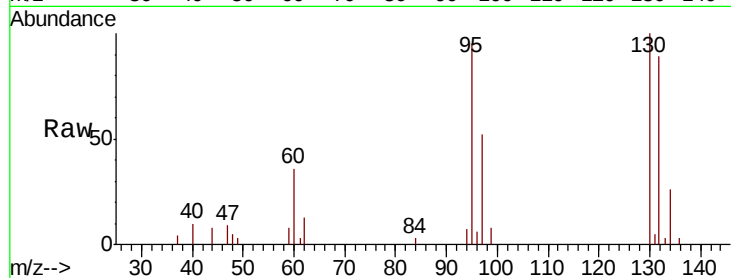
VSTDIC005

Tgt Ion:130 Resp: 3494

Ion Ratio Lower Upper

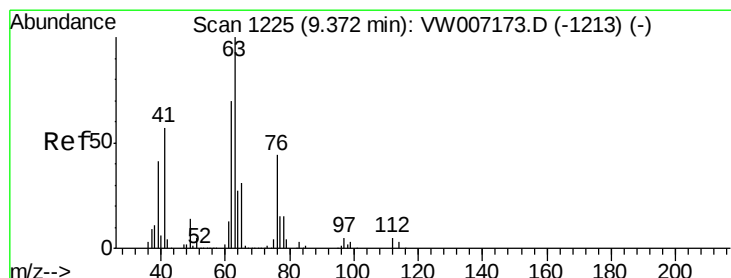
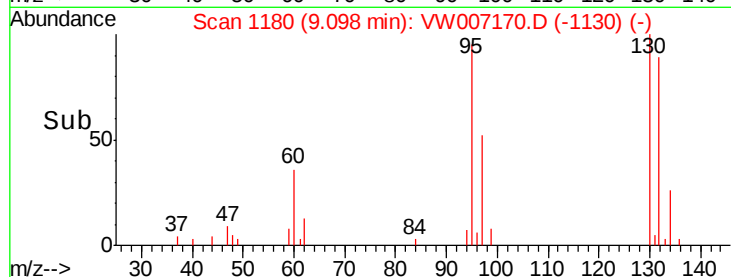
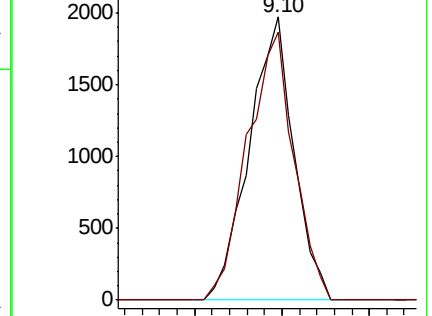
130 100

95 94.7 0.0 198.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 2.815 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW007170.D

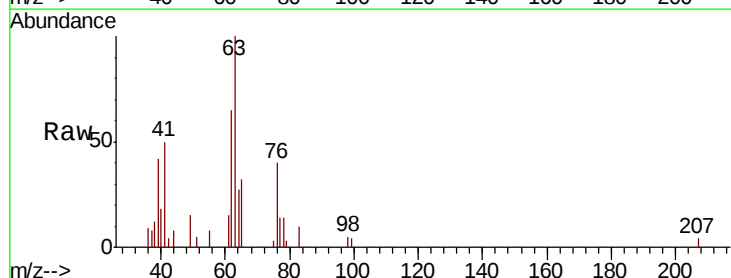
Acq: 03 Dec 2018 23:36

Tgt Ion: 63 Resp: 3319

Ion Ratio Lower Upper

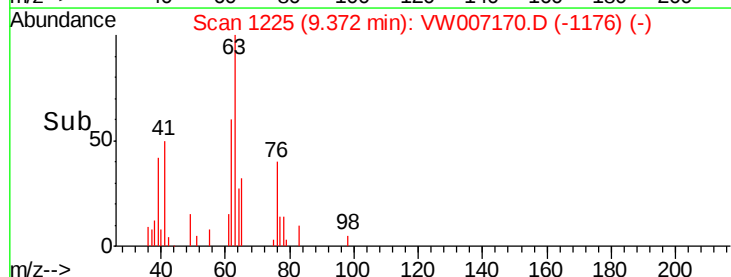
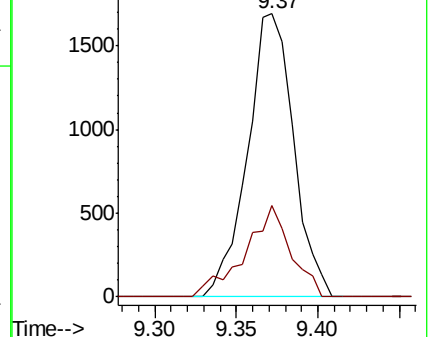
63 100

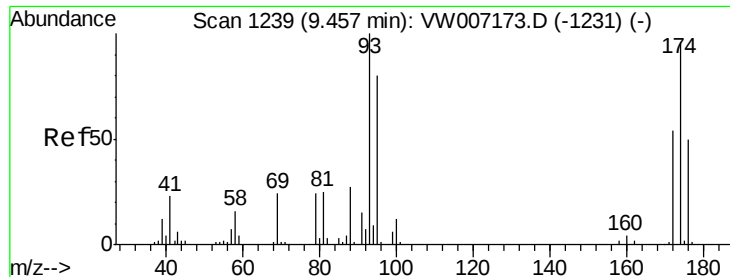
65 32.4 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 2.750 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

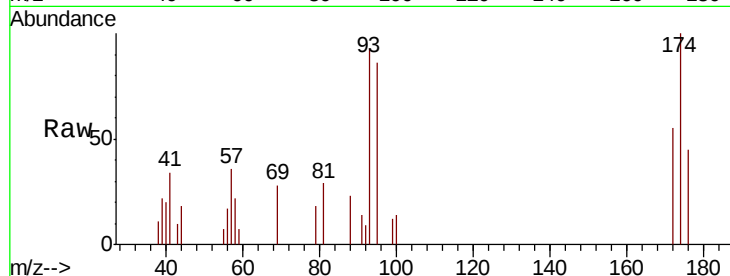
Tgt Ion: 93 Resp: 1645

Ion Ratio Lower Upper

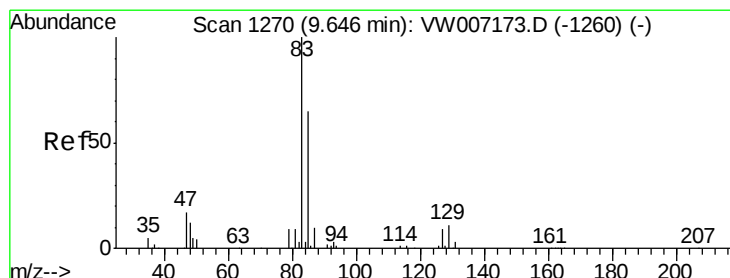
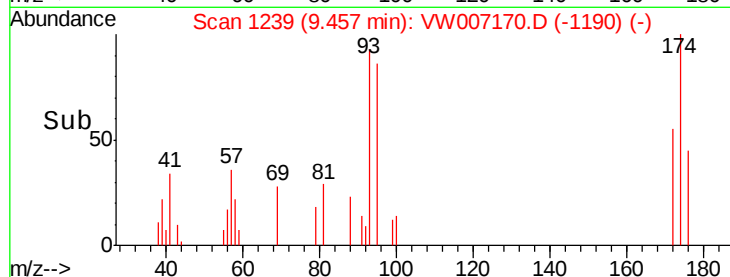
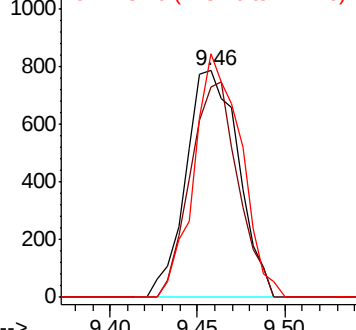
93 100

95 86.1 66.2 99.4

174 95.5 79.3 118.9



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: 2.752 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

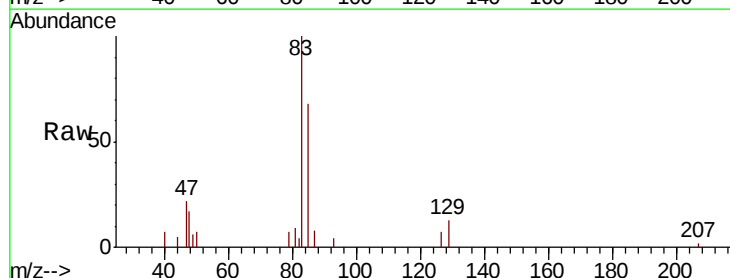
Tgt Ion: 83 Resp: 4315

Ion Ratio Lower Upper

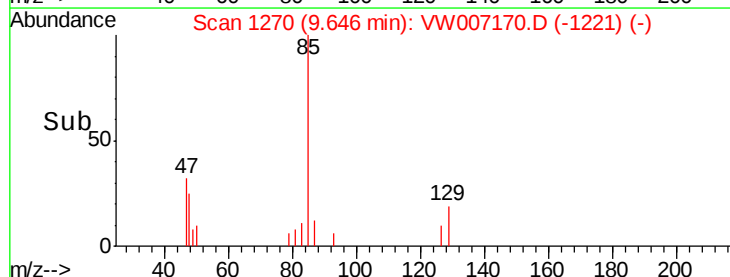
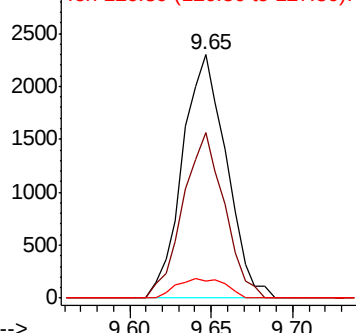
83 100

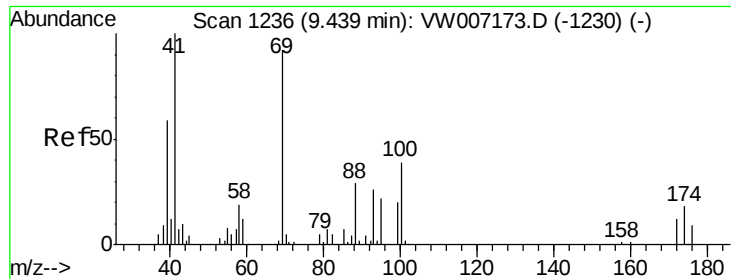
85 67.9 51.9 77.9

127 6.9 7.1 10.7#



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

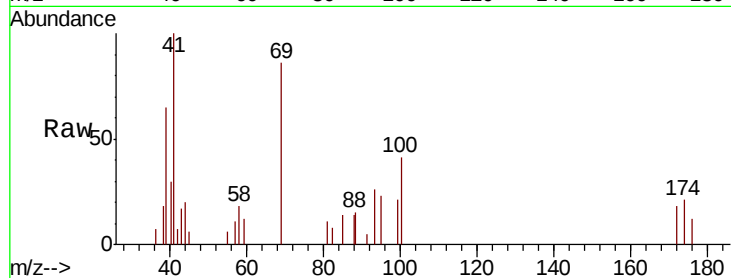




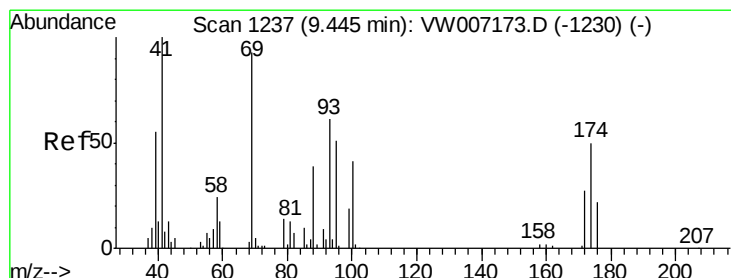
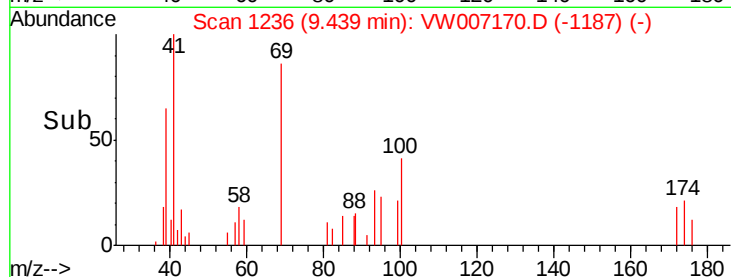
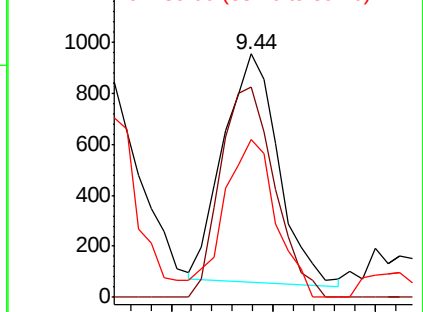
#48
Methyl methacrylate
Concen: 2.803 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 41 Resp: 1674
Ion Ratio Lower Upper
41 100
69 91.0 74.9 112.3
39 65.2 47.5 71.3

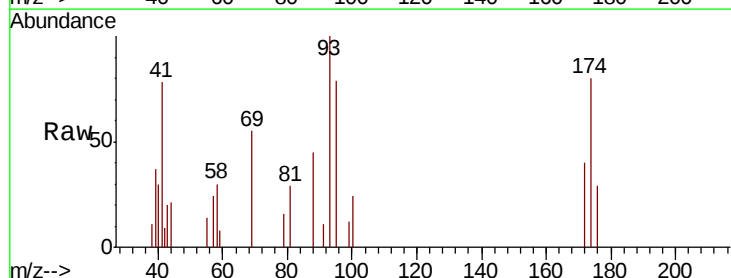


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

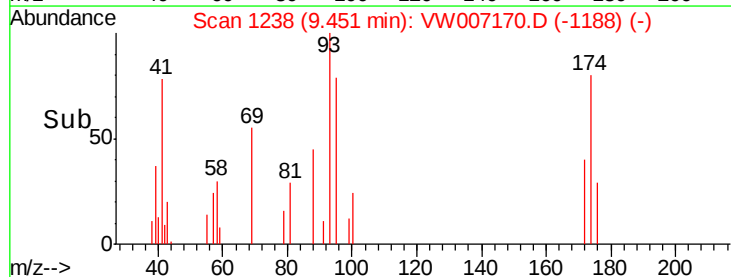
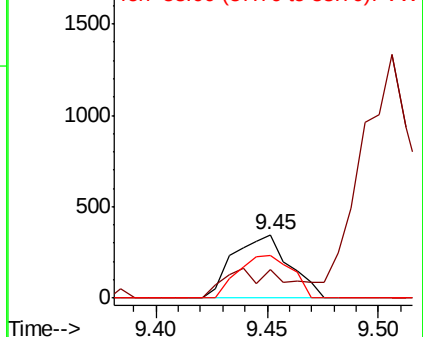


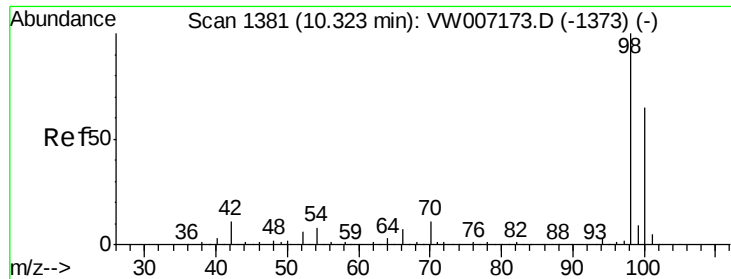
#49
1,4-Dioxane
Concen: 66.233 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Tgt Ion: 88 Resp: 603
Ion Ratio Lower Upper
88 100
43 52.2 27.7 41.5#
58 63.8 52.1 78.1



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: 5.829 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

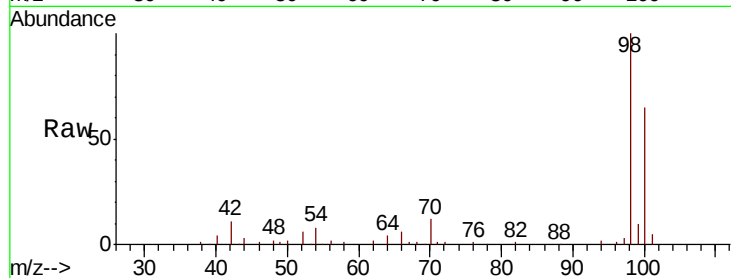
VSTDIC005

Tgt Ion: 98 Resp: 26422

Ion Ratio Lower Upper

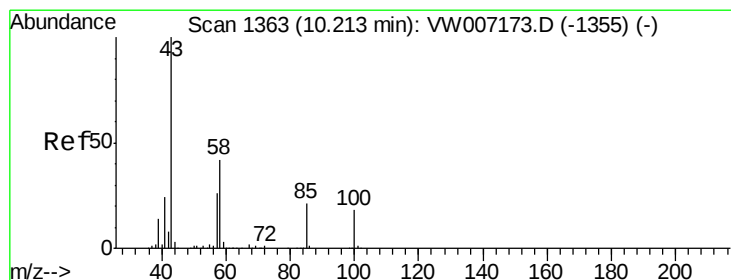
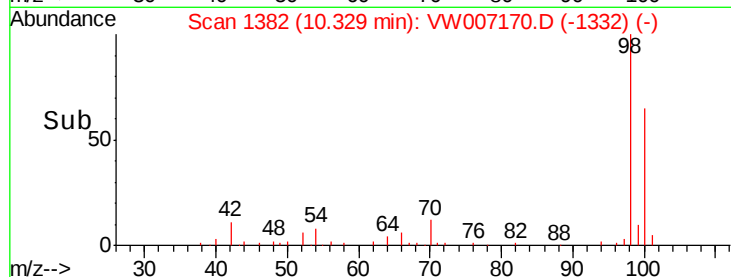
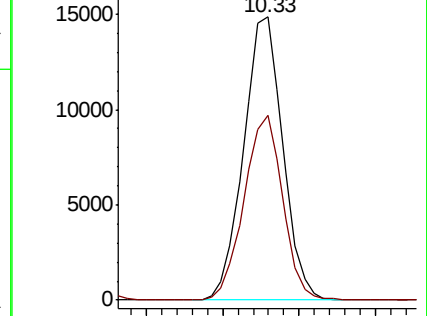
98 100

100 64.4 52.1 78.1



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: 14.840 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007170.D

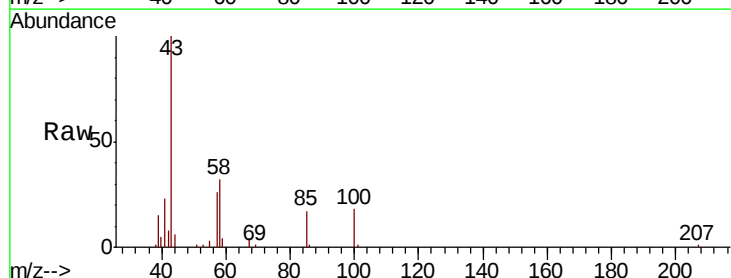
Acq: 03 Dec 2018 23:36

Tgt Ion: 43 Resp: 9268

Ion Ratio Lower Upper

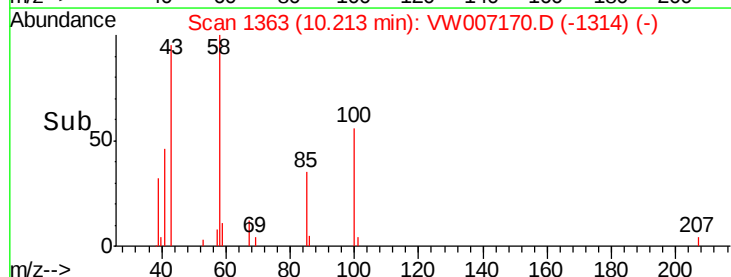
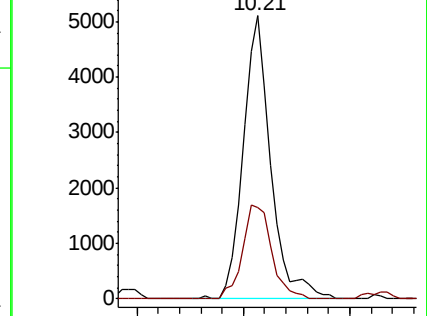
43 100

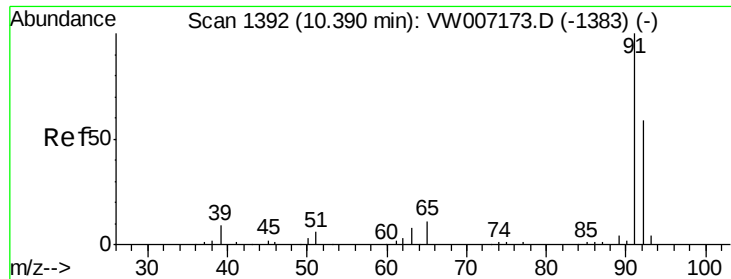
58 35.2 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 2.669 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

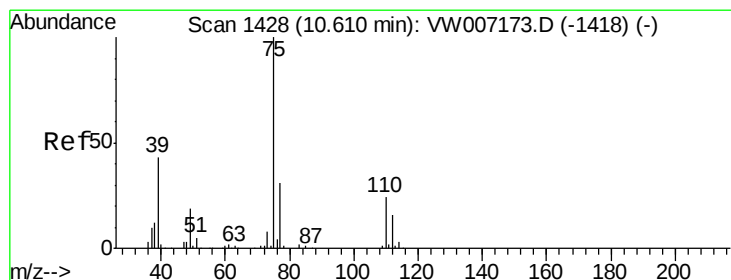
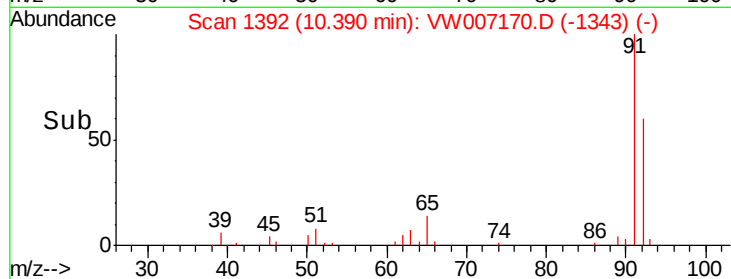
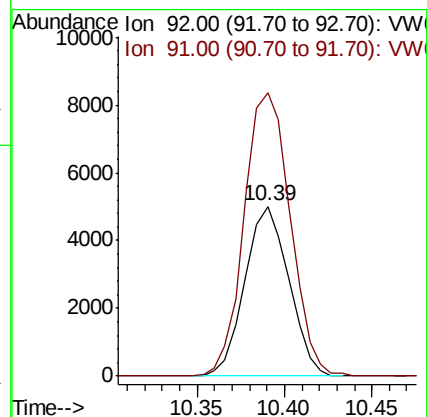
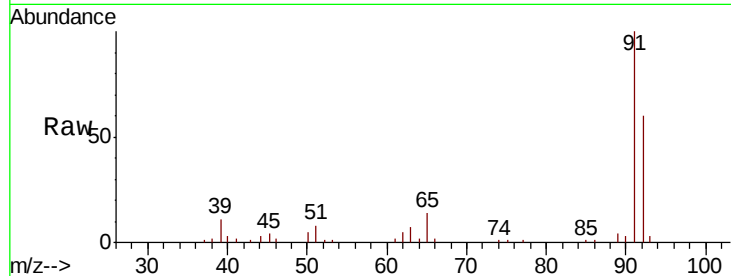
VSTDIC005

Tgt Ion: 92 Resp: 8738

Ion Ratio Lower Upper

92 100

91 175.7 136.6 205.0



#53

t-1,3-Dichloropropene

Concen: 2.579 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007170.D

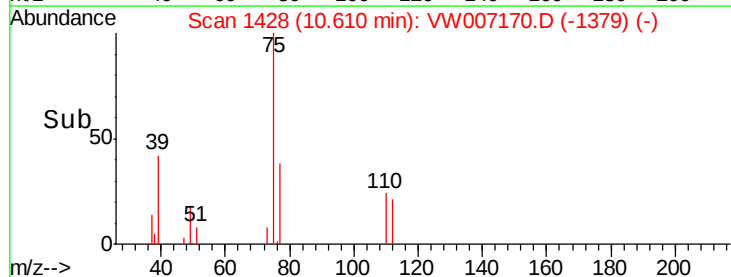
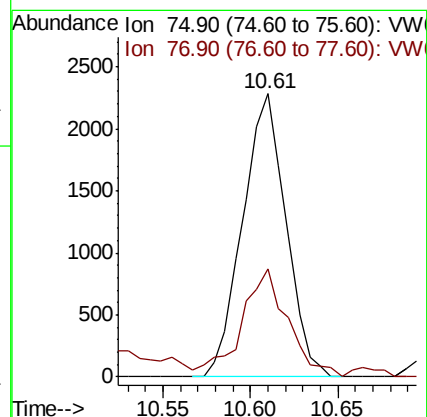
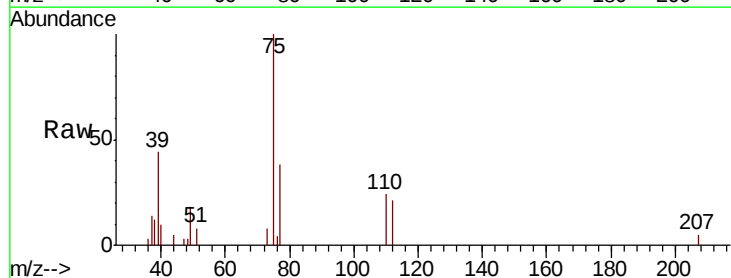
Acq: 03 Dec 2018 23:36

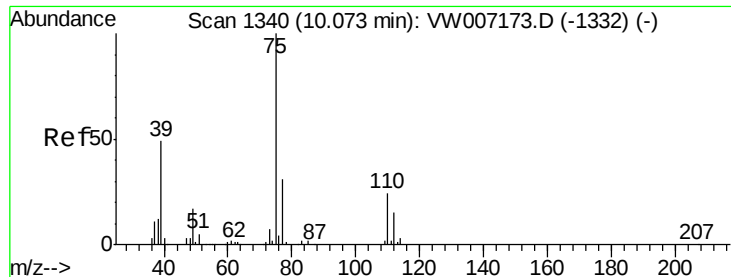
Tgt Ion: 75 Resp: 3926

Ion Ratio Lower Upper

75 100

77 37.9 24.6 37.0#

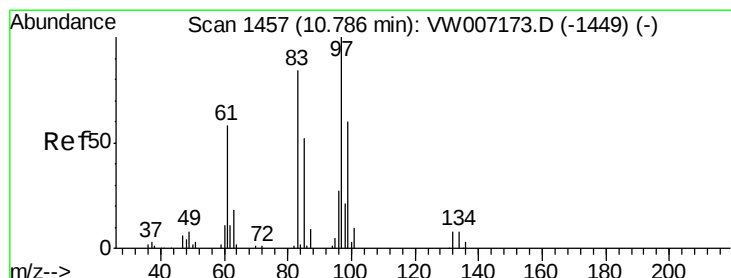
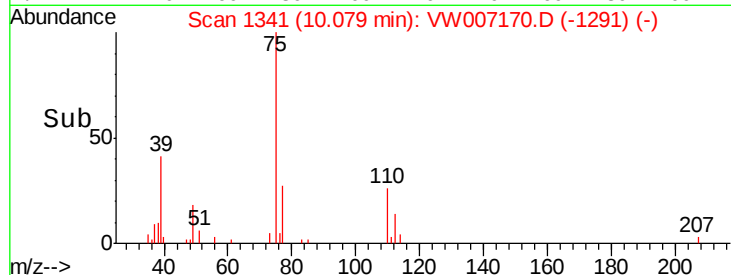
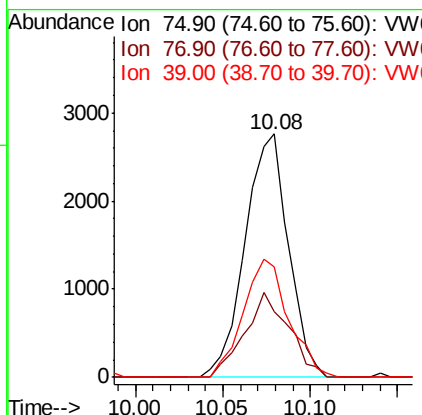
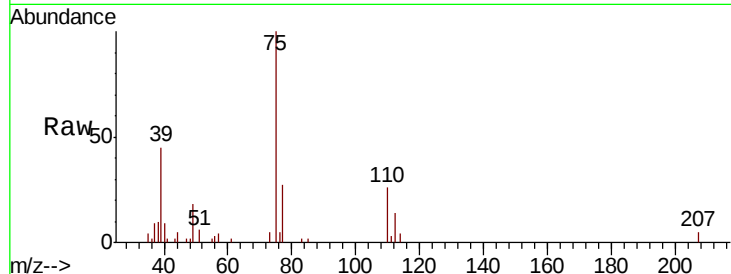




#54
 cis-1,3-Dichloropropene
 Concen: 2.604 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

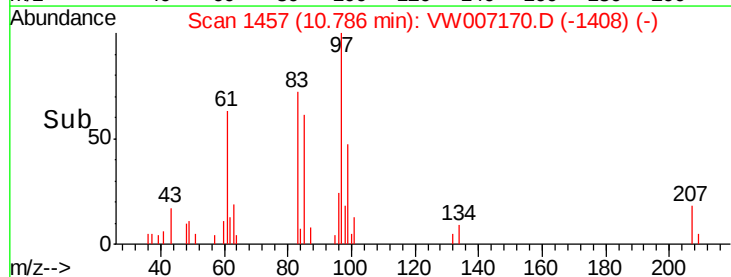
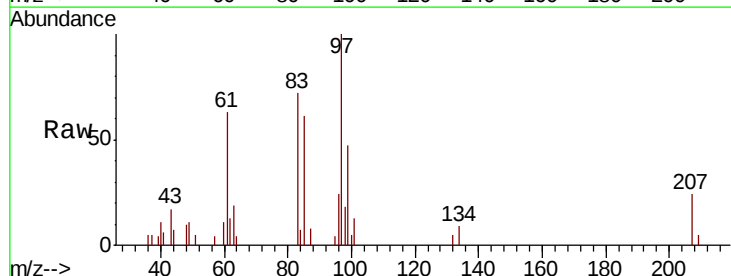
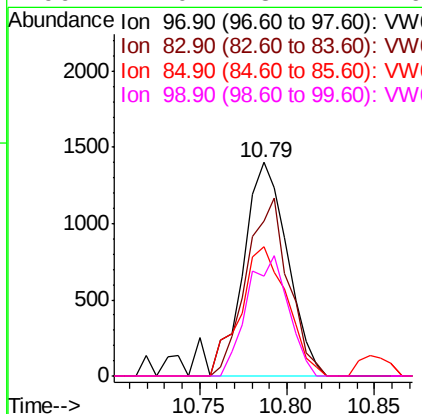
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

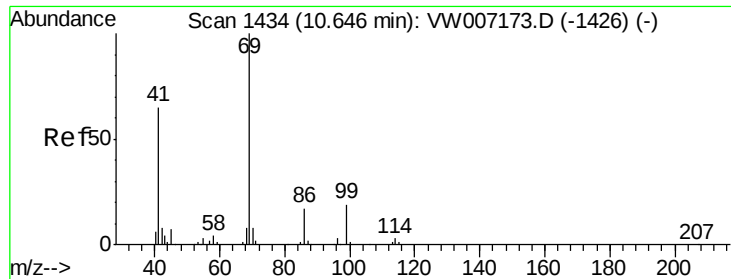
Tgt Ion: 75 Resp: 4751
 Ion Ratio Lower Upper
 75 100
 77 27.0 24.8 37.2
 39 45.4 39.0 58.6



#55
 1,1,2-Trichloroethane
 Concen: 2.913 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion: 97 Resp: 2548
 Ion Ratio Lower Upper
 97 100
 83 72.3 67.0 100.4
 85 60.6 41.5 62.3
 99 47.0 48.4 72.6#





#56

Ethyl methacrylate

Concen: 2.865 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

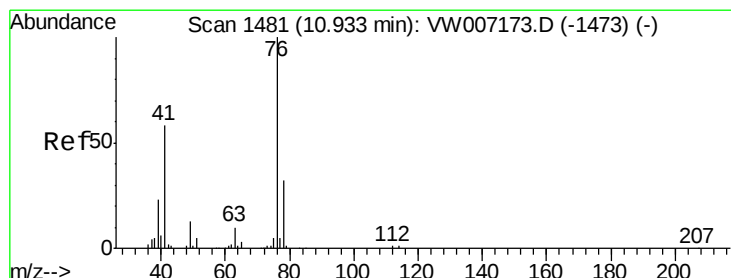
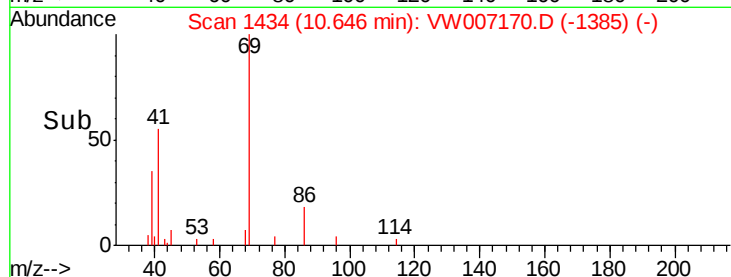
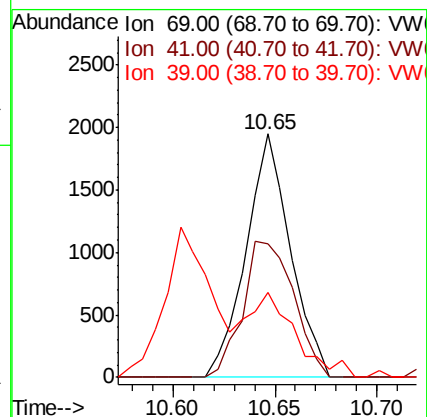
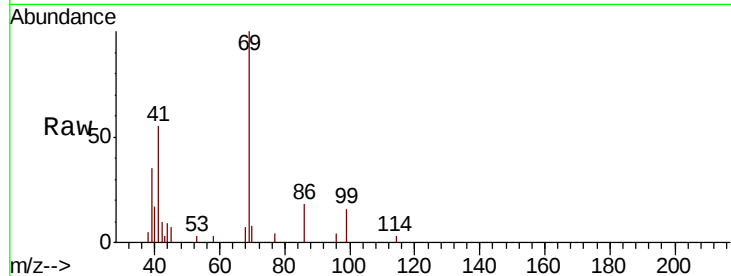
Tgt Ion: 69 Resp: 2952

Ion Ratio Lower Upper

69 100

41 64.0 51.2 76.8

39 39.3 26.7 40.1



#57

1,3-Dichloropropane

Concen: 2.683 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007170.D

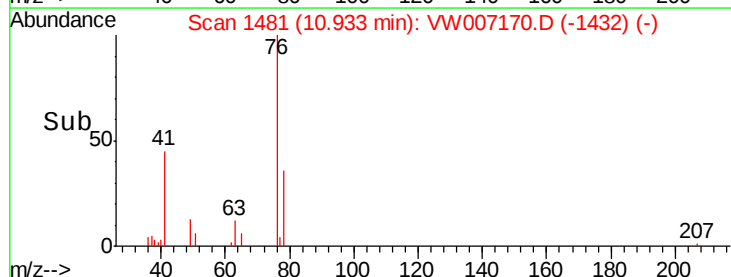
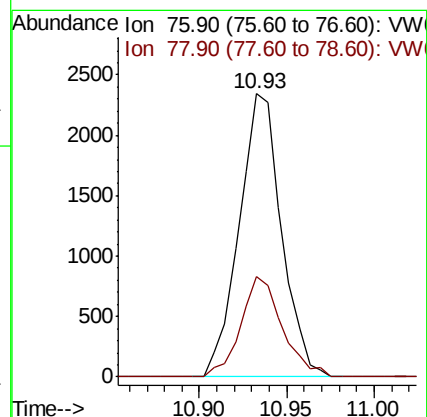
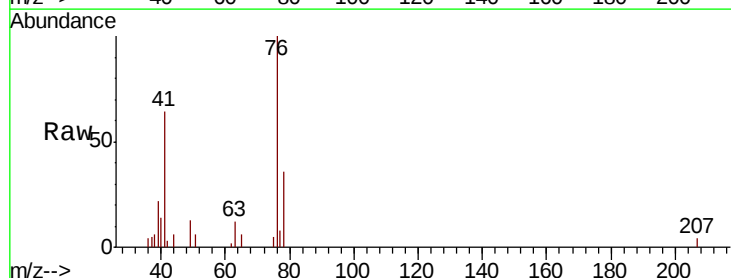
Acq: 03 Dec 2018 23:36

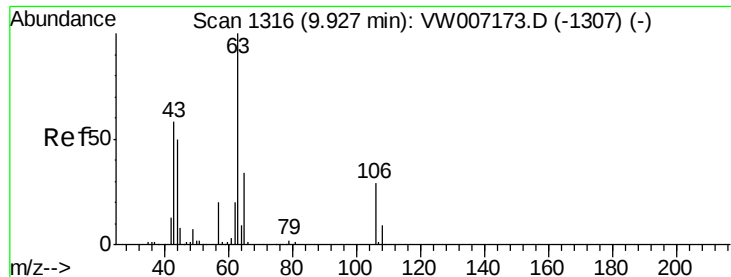
Tgt Ion: 76 Resp: 3935

Ion Ratio Lower Upper

76 100

78 34.9 25.9 38.9

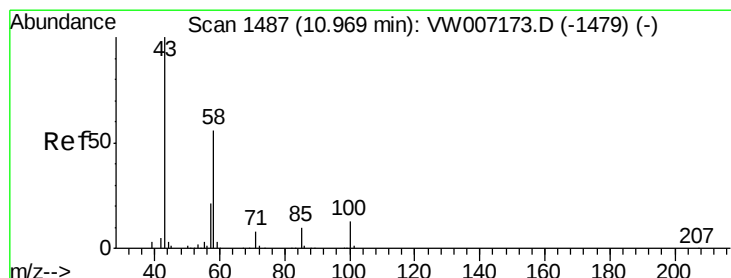
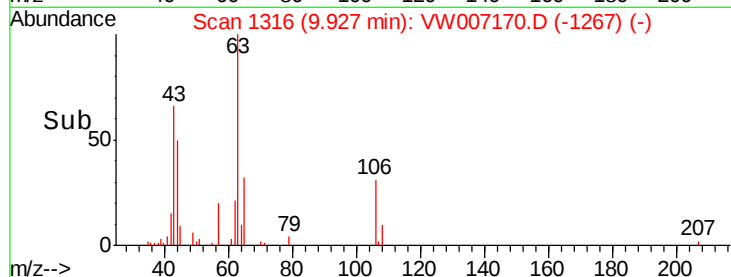
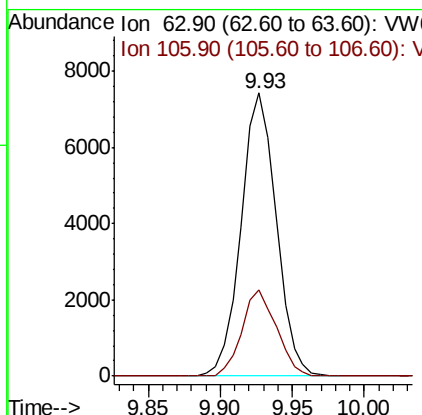
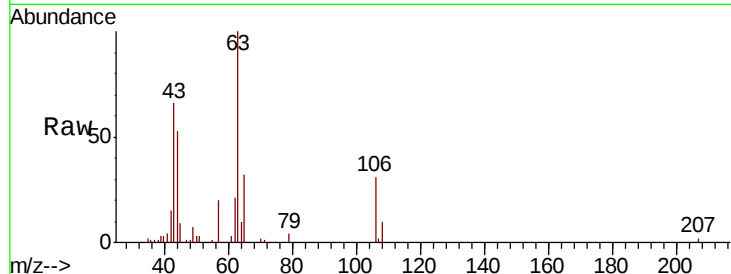




#58
 2-Chloroethyl Vinyl ether
 Concen: 24.085 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

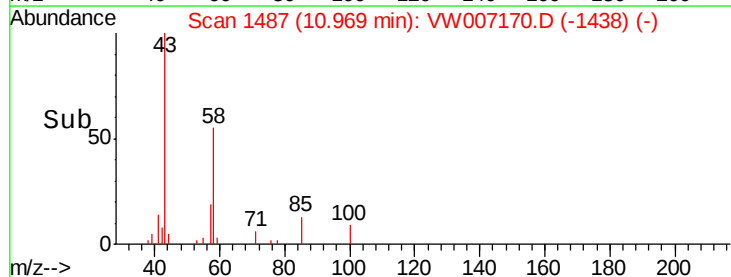
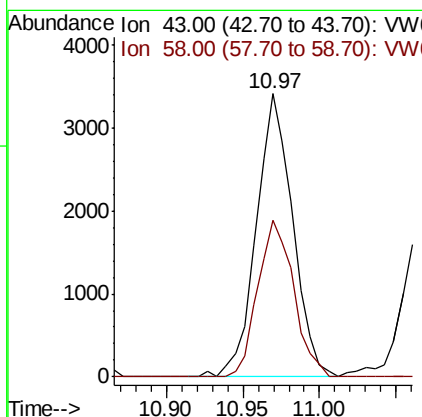
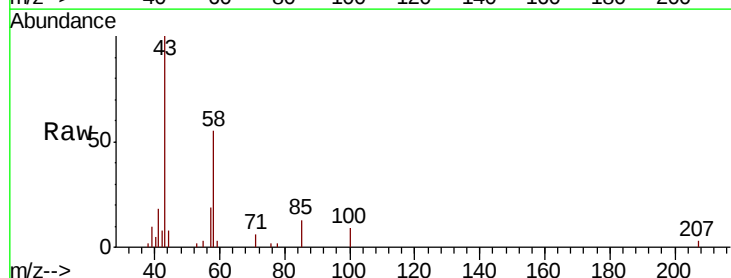
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

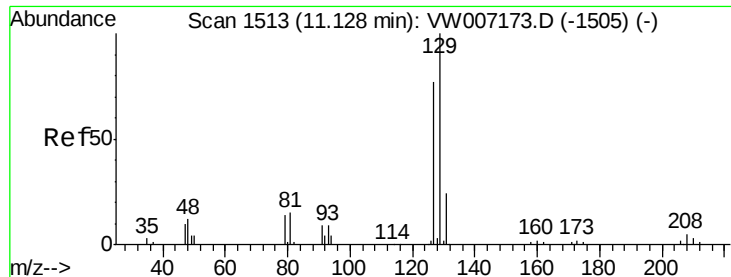
Tgt Ion: 63 Resp: 12557
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.5 35.3



#59
 2-Hexanone
 Concen: 13.200 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion: 43 Resp: 5628
 Ion Ratio Lower Upper
 43 100
 58 54.7 27.3 81.9

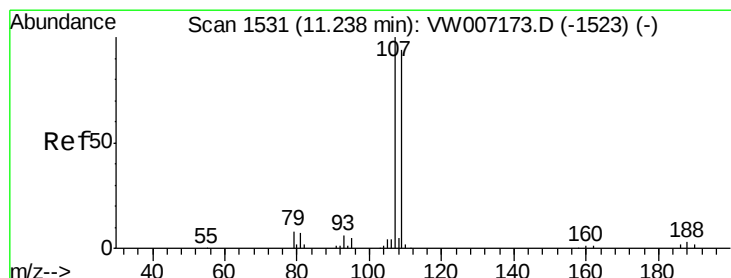
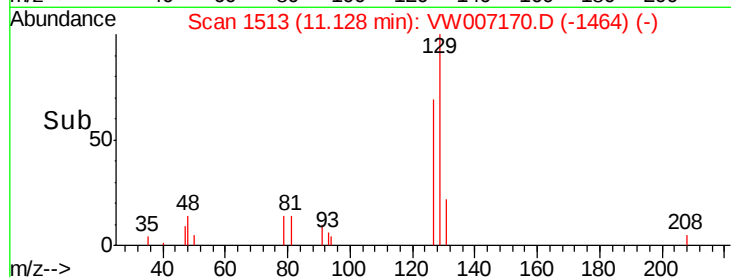
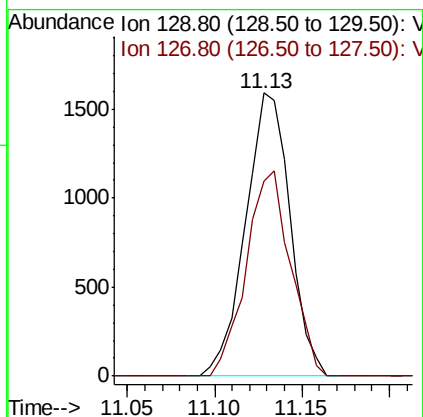
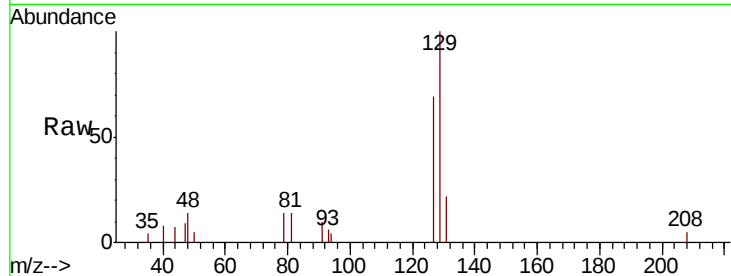




#60
Dibromochloromethane
Concen: 2.798 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

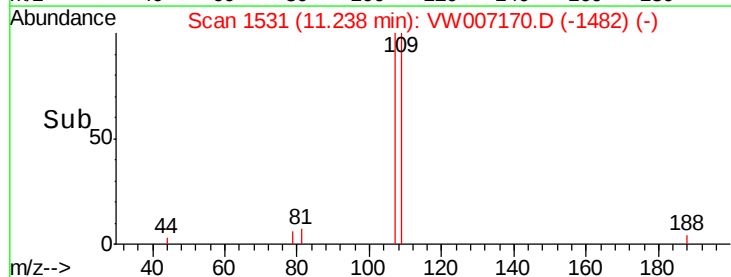
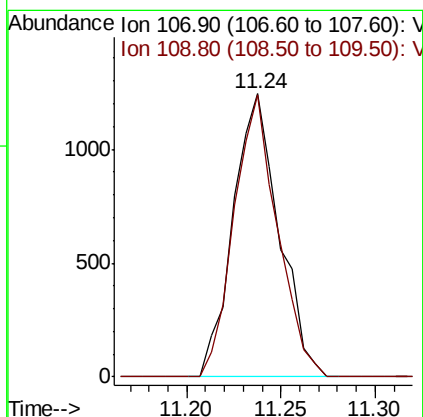
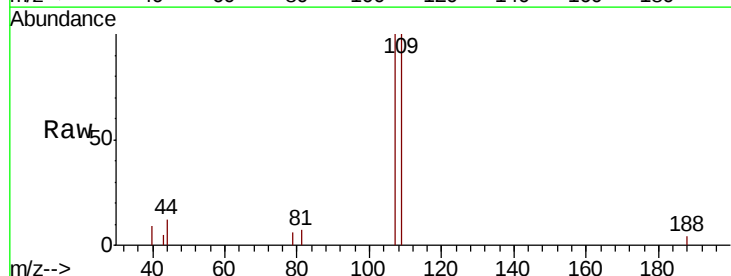
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

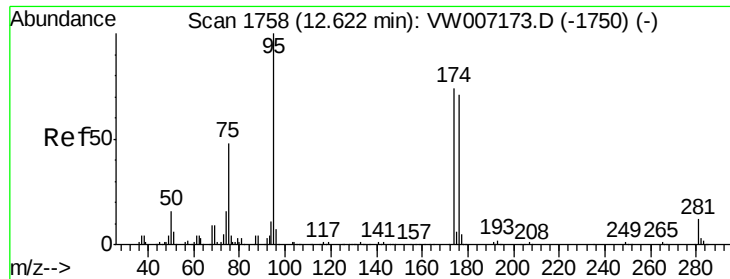
Tgt Ion:129 Resp: 2810
Ion Ratio Lower Upper
129 100
127 72.5 38.6 116.0



#61
1,2-Dibromoethane
Concen: 2.600 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Tgt Ion:107 Resp: 2101
Ion Ratio Lower Upper
107 100
109 93.9 75.8 113.6

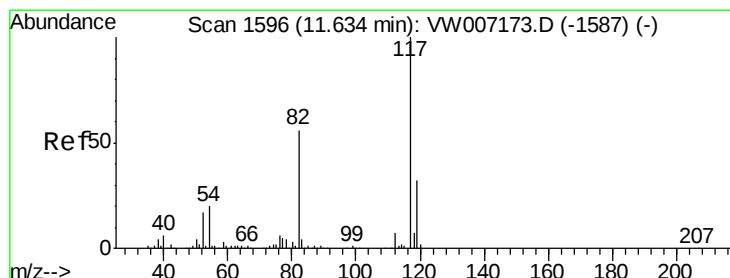
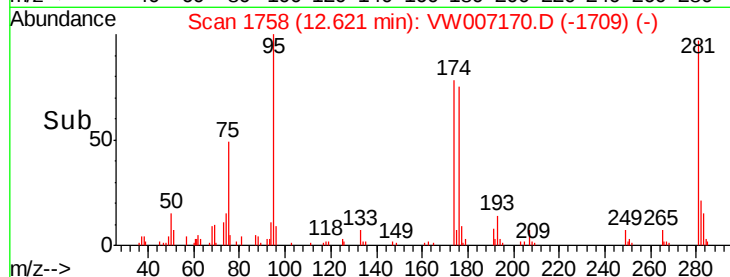
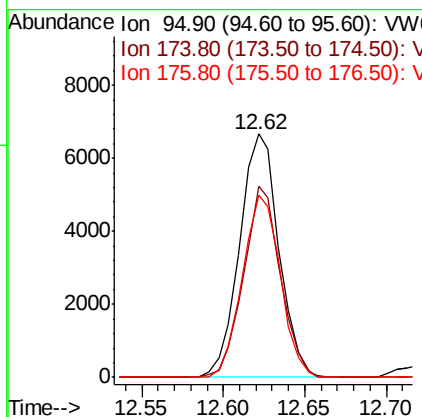
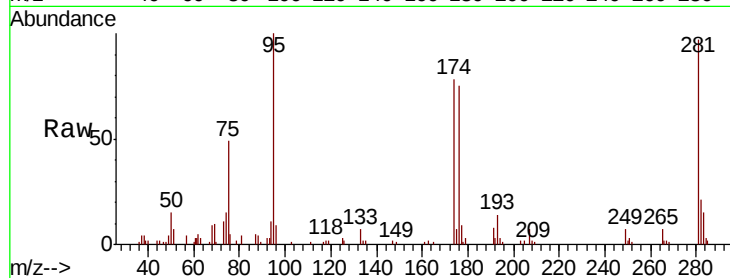




#62
4-Bromofluorobenzene
Concen: 6.250 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

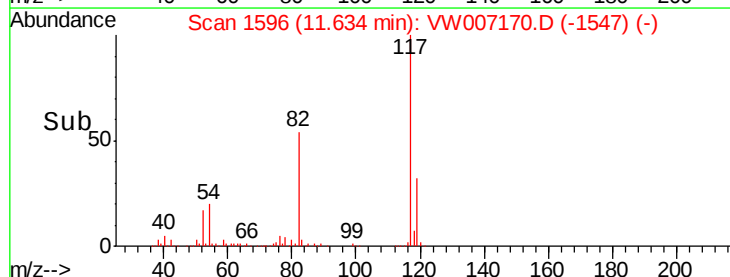
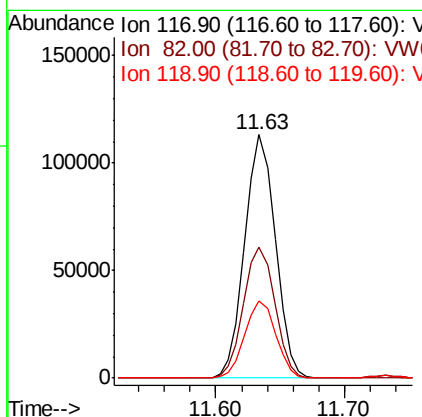
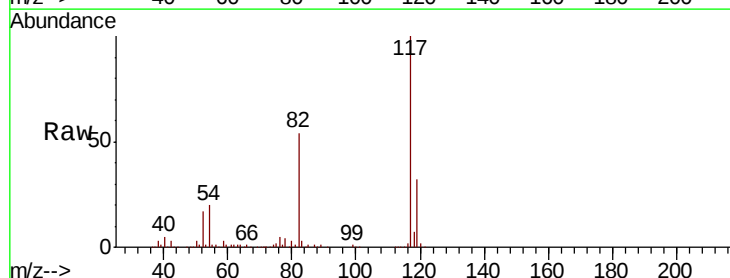
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

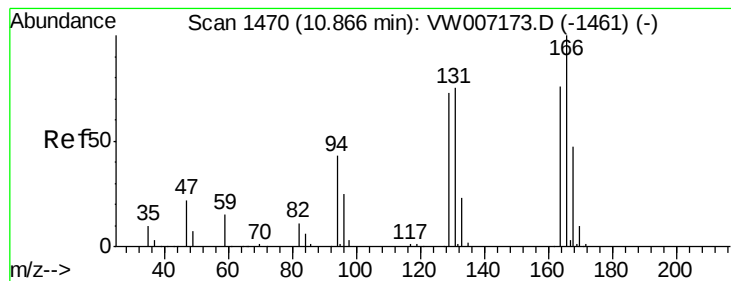
Tgt Ion: 95 Resp: 11149
Ion Ratio Lower Upper
95 100
174 73.5 0.0 148.4
176 72.3 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Tgt Ion: 117 Resp: 186881
Ion Ratio Lower Upper
117 100
82 54.0 44.5 66.7
119 31.8 25.8 38.6





#64

Tetrachloroethene

Concen: 2.715 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 3294

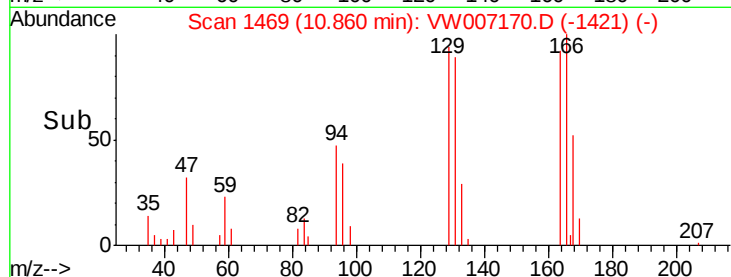
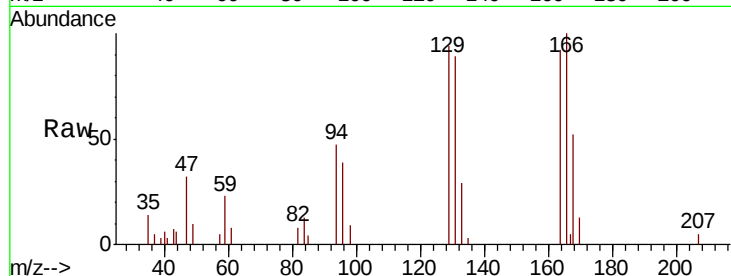
Ion Ratio Lower Upper

164 100

166 108.7 104.6 157.0

129 102.6 76.1 114.1

131 96.2 78.0 117.0

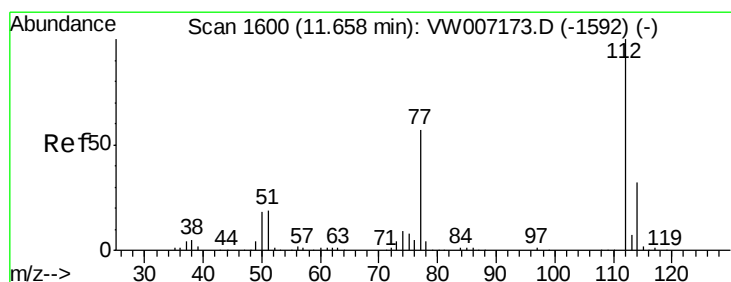
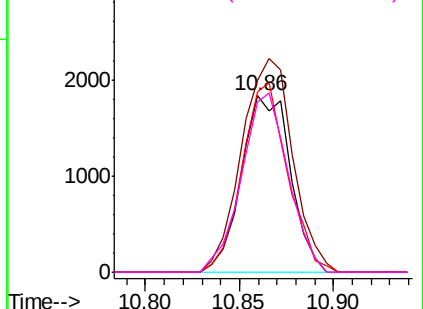


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 2.552 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007170.D

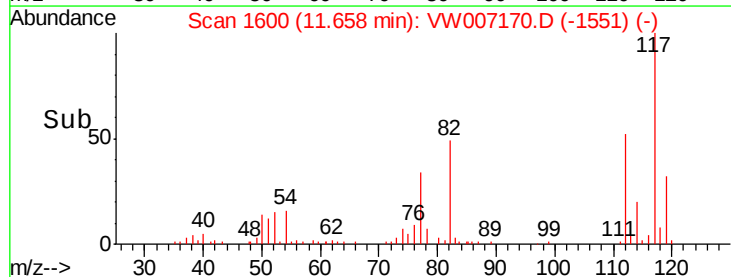
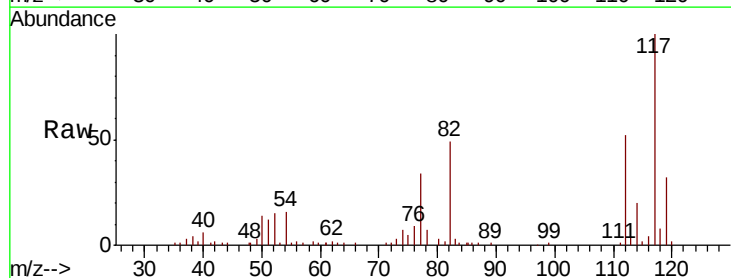
Acq: 03 Dec 2018 23:36

Tgt Ion:112 Resp: 9917

Ion Ratio Lower Upper

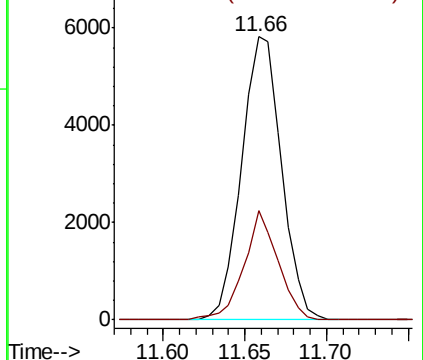
112 100

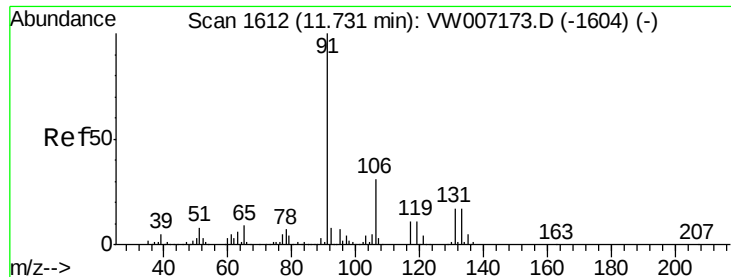
114 38.5 25.5 38.3#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

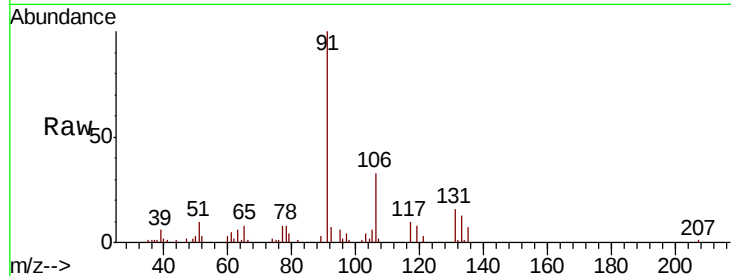




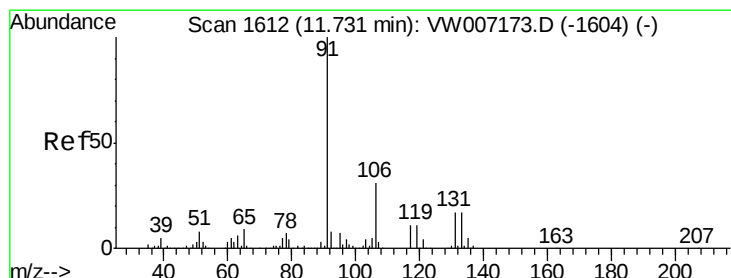
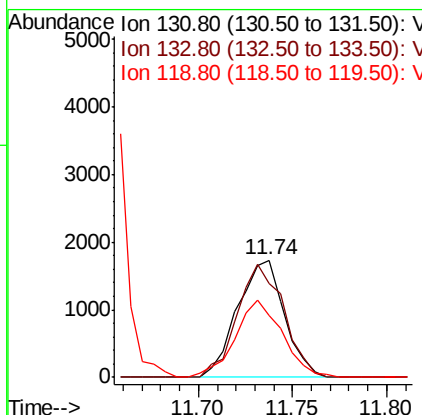
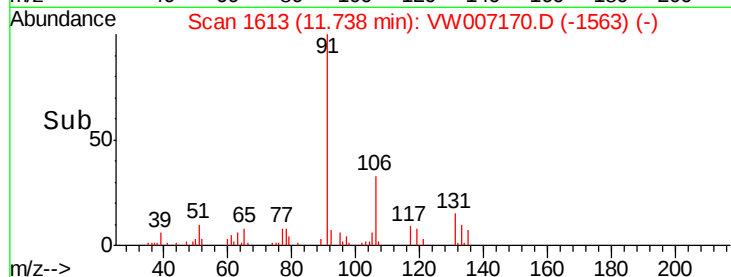
#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.511 ug/l
 RT: 11.74 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 131 Resp: 2991
 Ion Ratio Lower Upper
 131 100
 133 95.7 47.6 142.8
 119 66.0 31.7 95.1

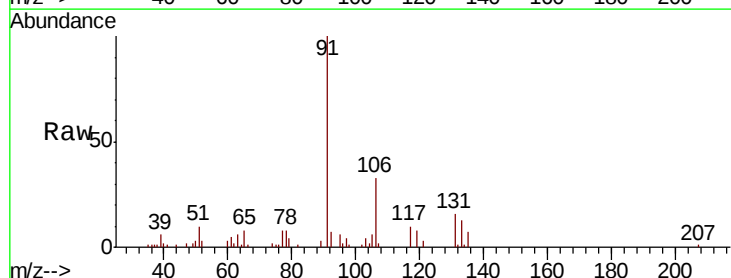


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

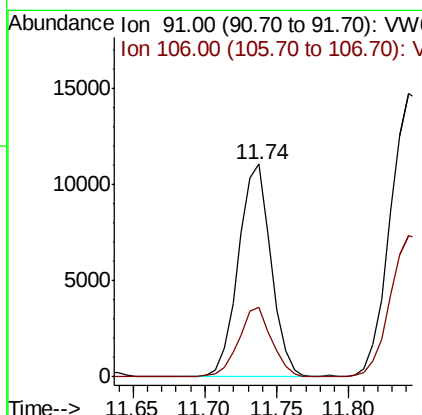
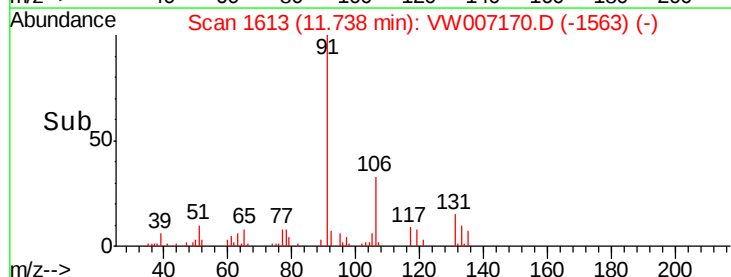


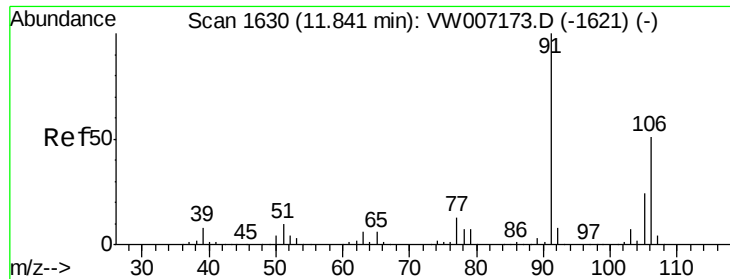
#67
 Ethyl Benzene
 Concen: 2.447 ug/l
 RT: 11.74 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion: 91 Resp: 17441
 Ion Ratio Lower Upper
 91 100
 106 33.0 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 106.00 (105.70 to 106.70): V

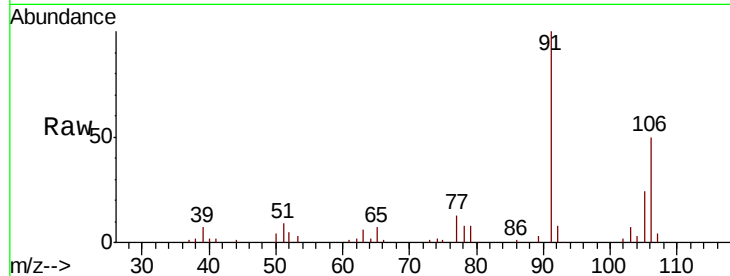




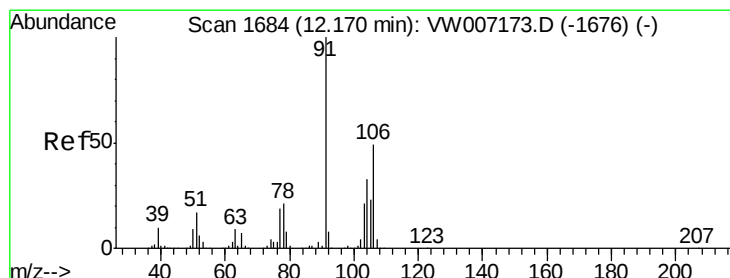
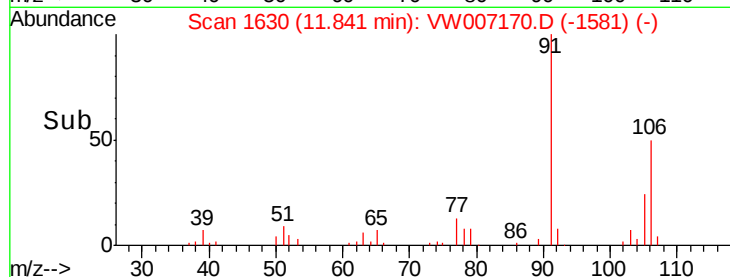
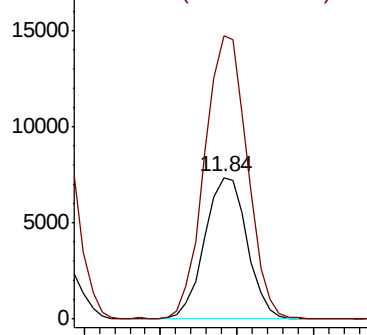
#68
m/p-Xylenes
Concen: 5.087 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 14234
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2

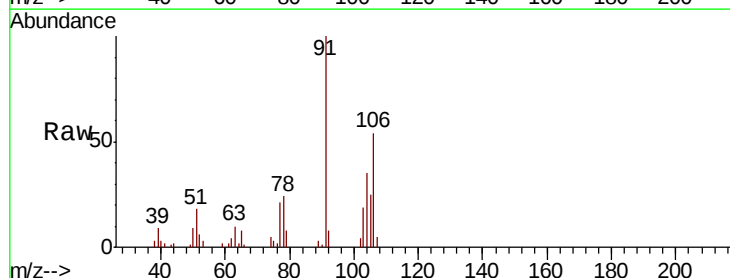


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

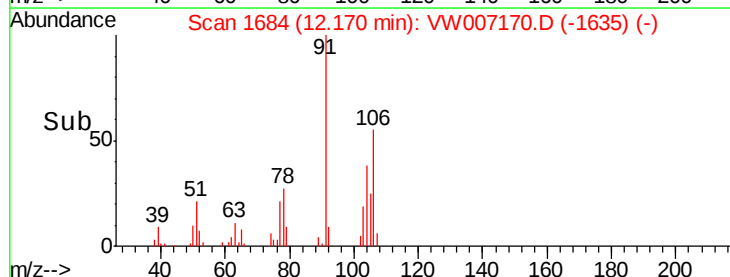
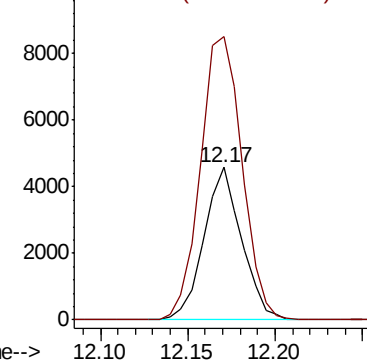


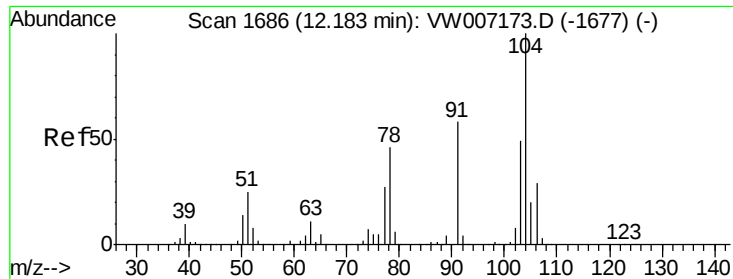
#69
o-Xylene
Concen: 2.589 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Tgt Ion:106 Resp: 6826
Ion Ratio Lower Upper
106 100
91 206.4 104.6 313.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#70

Styrene

Concen: 2.609 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

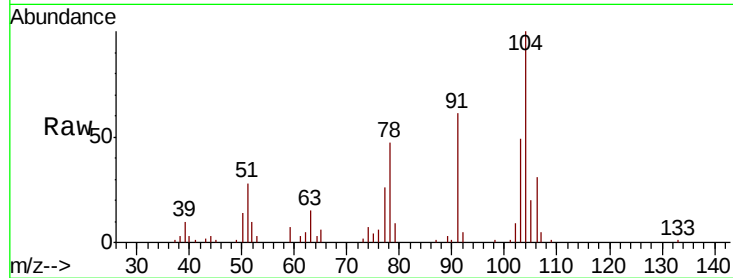
Tgt Ion:104 Resp: 10983

Ion Ratio Lower Upper

104 100

78 52.8 40.7 61.1

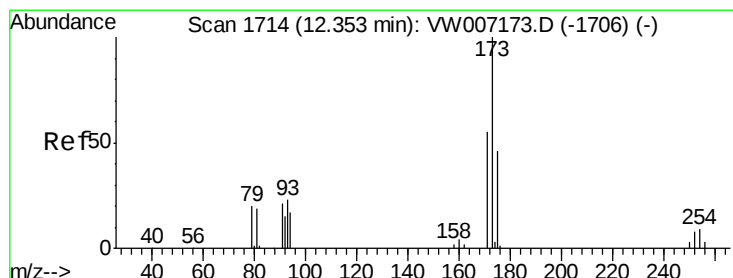
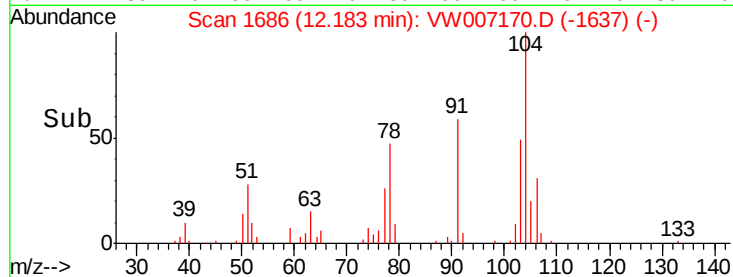
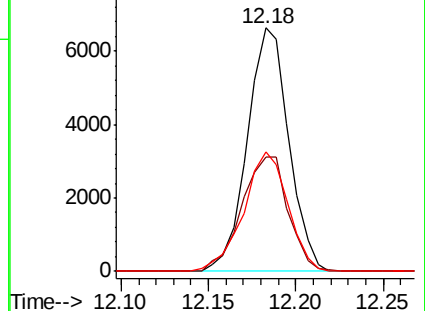
103 52.5 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 2.679 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

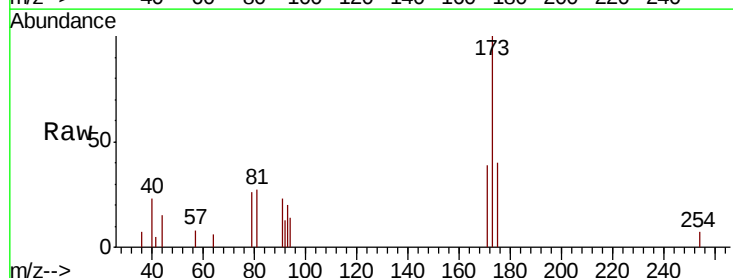
Tgt Ion:173 Resp: 1518

Ion Ratio Lower Upper

173 100

175 44.6 23.5 70.5

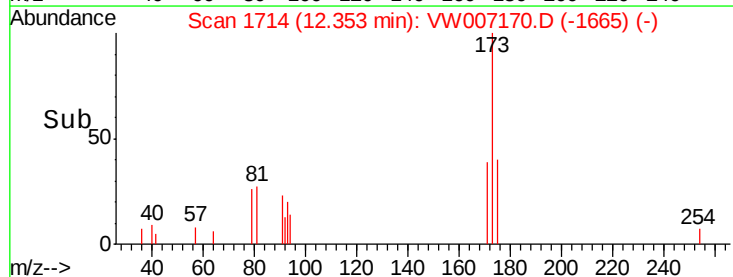
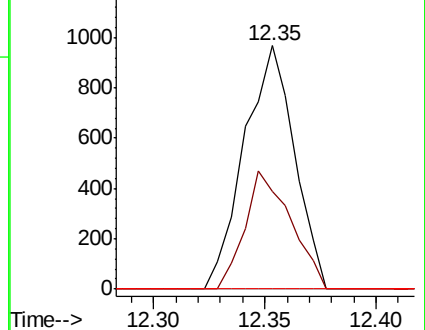
254 0.0 0.0 0.0

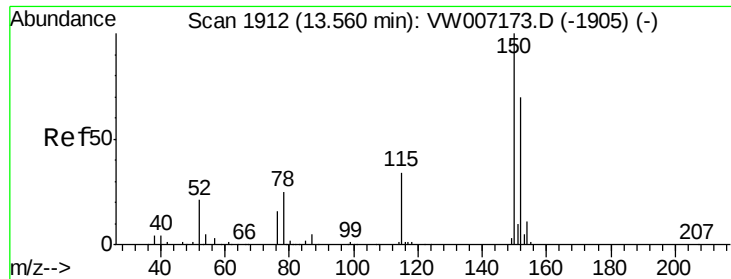


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

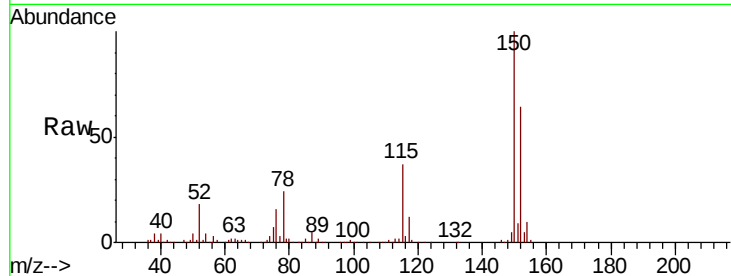
Tgt Ion:152 Resp: 97467

Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.9

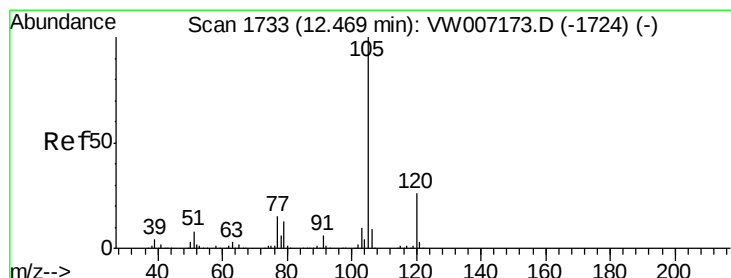
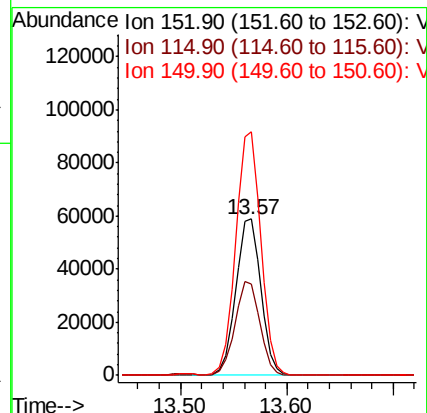
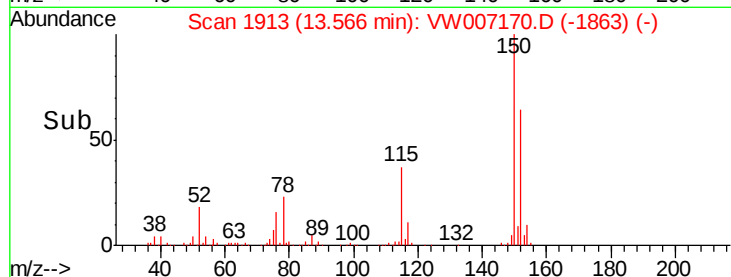
150 156.1 0.0 341.6



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: 2.357 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007170.D

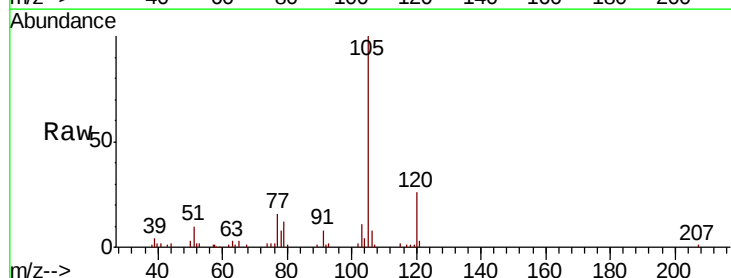
Acq: 03 Dec 2018 23:36

Tgt Ion:105 Resp: 17644

Ion Ratio Lower Upper

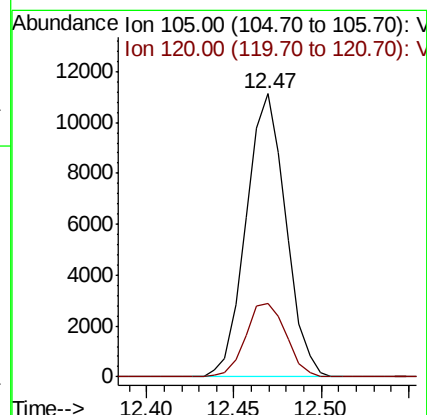
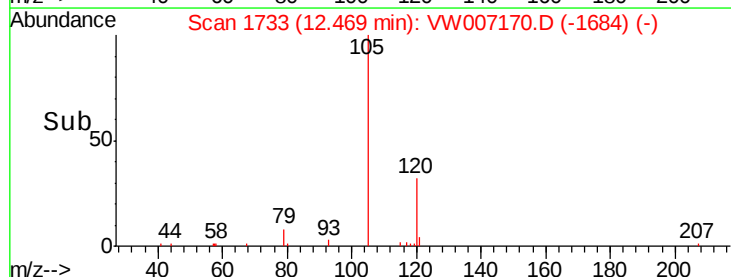
105 100

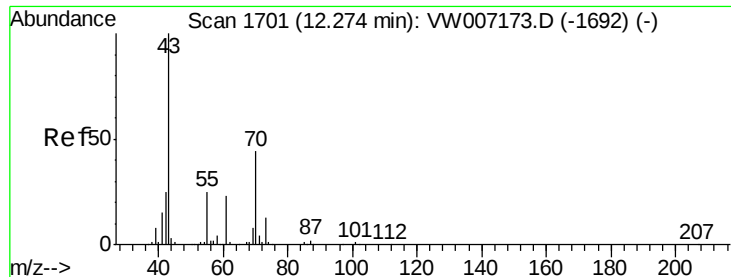
120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

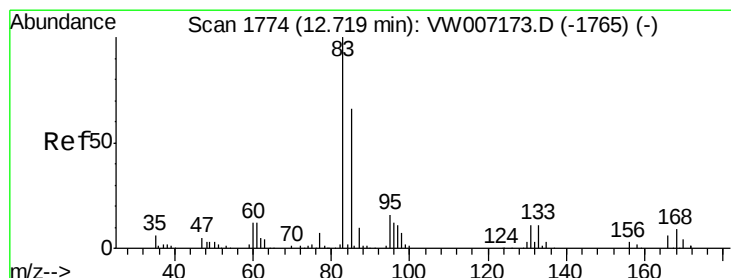
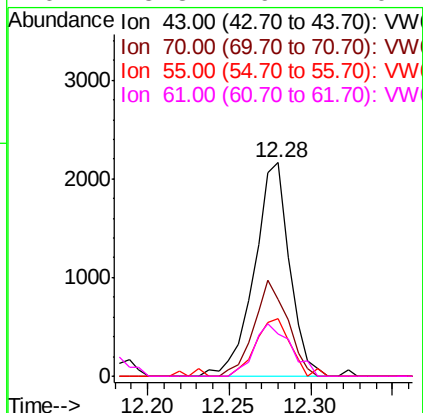
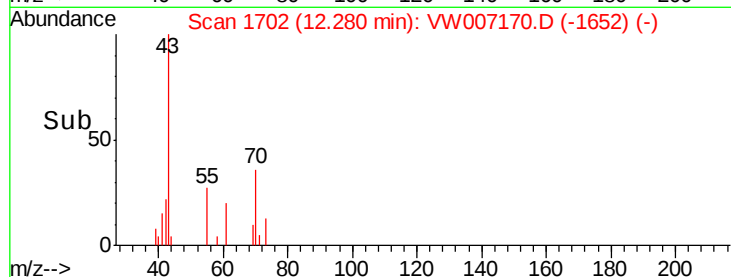
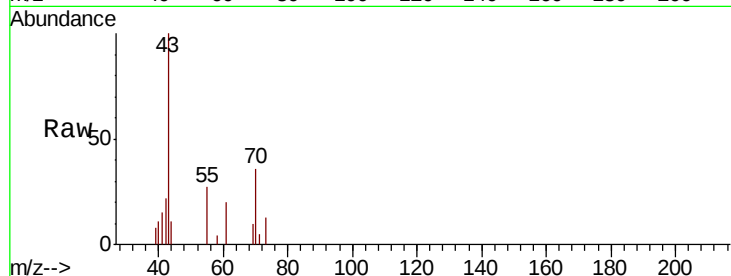




#74
N-amyI acetate
Concen: 2.542 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

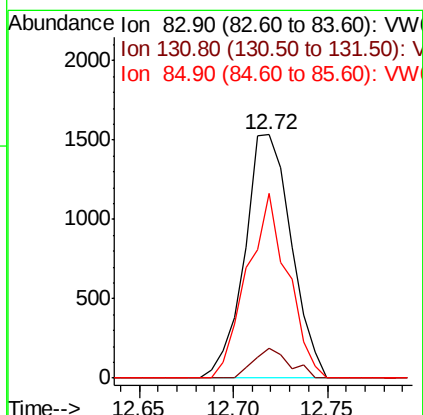
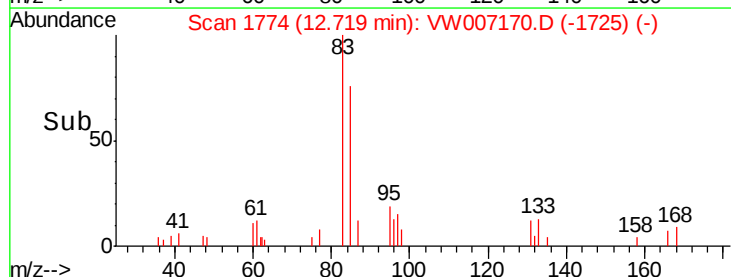
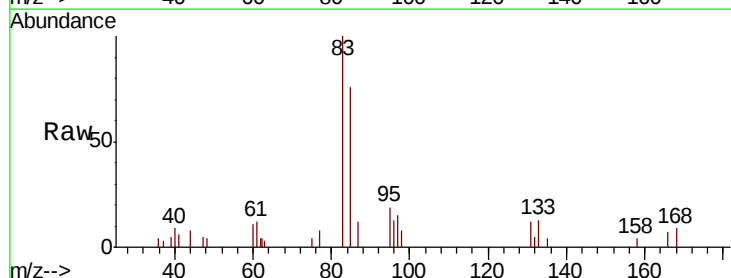
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

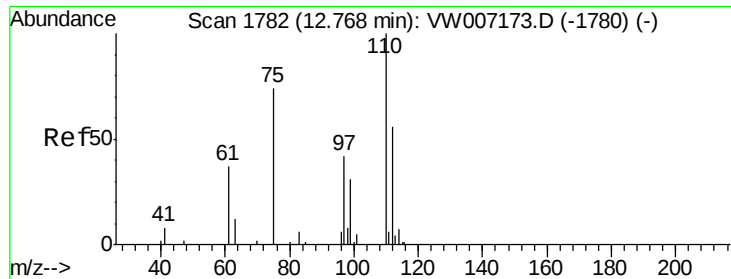
Tgt Ion: 43 Resp: 3248
Ion Ratio Lower Upper
43 100
70 43.0 35.1 52.7
55 26.8 19.4 29.2
61 25.8 19.4 29.2



#75
1,1,2,2-Tetrachloroethane
Concen: 2.609 ug/l
RT: 12.72 min Scan# 1774
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Tgt Ion: 83 Resp: 2635
Ion Ratio Lower Upper
83 100
131 9.4 6.2 18.6
85 66.2 32.6 98.0

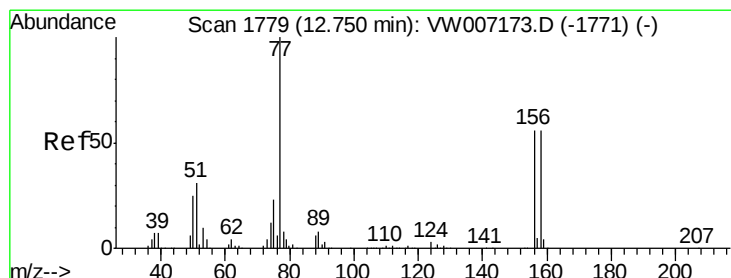
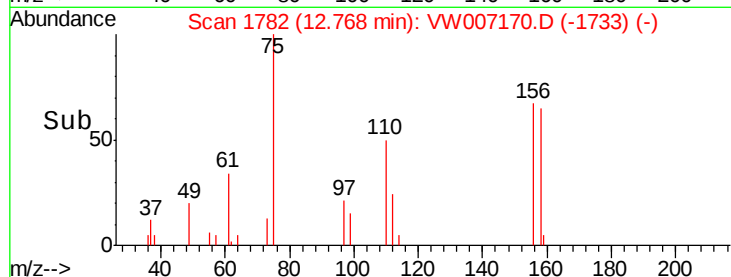
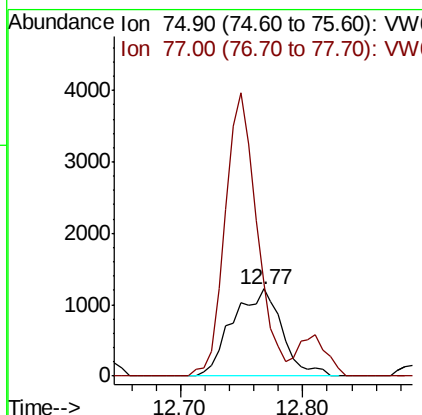
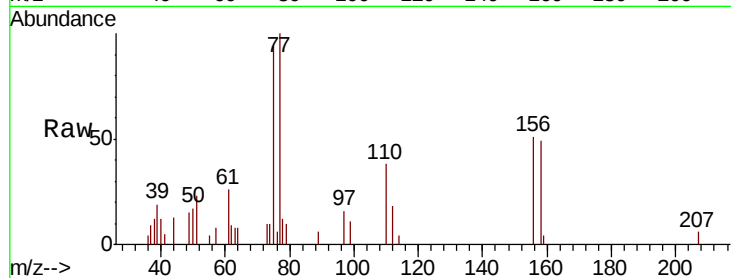




#76
 1,2,3-Trichloropropane
 Concen: 4.335 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

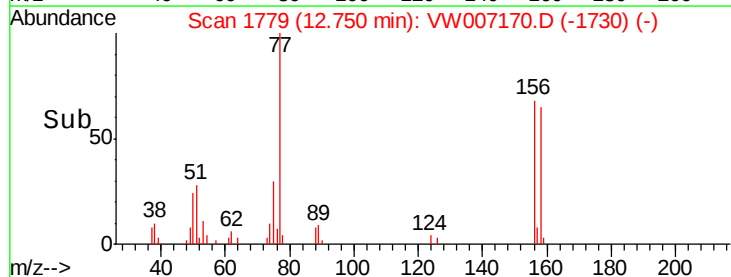
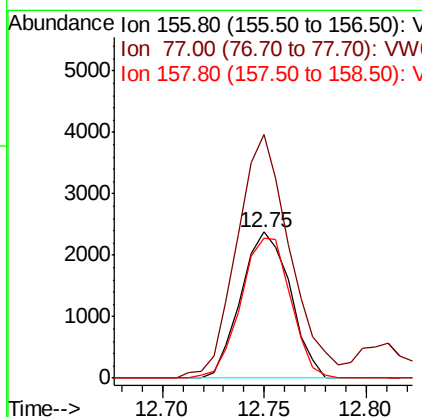
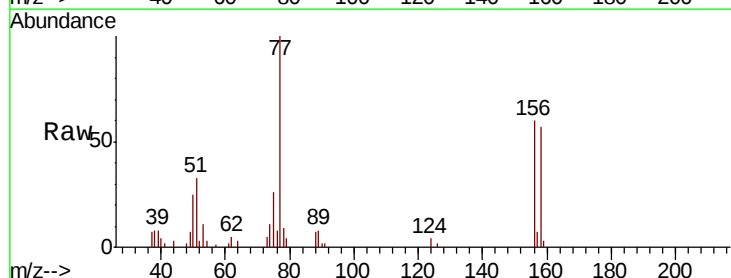
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

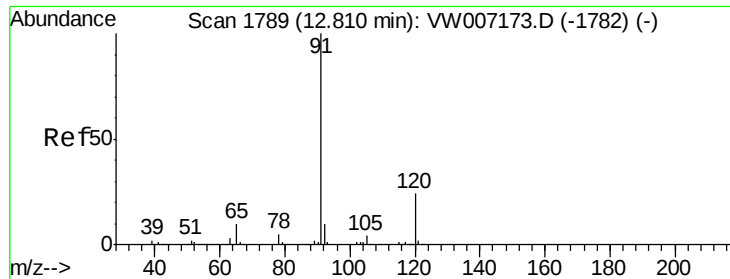
Tgt Ion: 75 Resp: 3425
 Ion Ratio Lower Upper
 75 100
 77 209.5 186.5 559.5



#77
 Bromobenzene
 Concen: 2.469 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion: 156 Resp: 3980
 Ion Ratio Lower Upper
 156 100
 77 180.3 95.0 285.2
 158 96.9 49.7 149.1

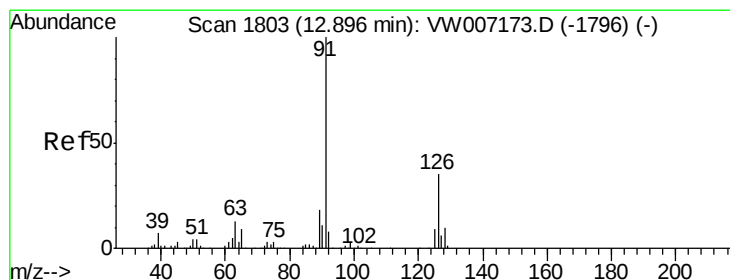
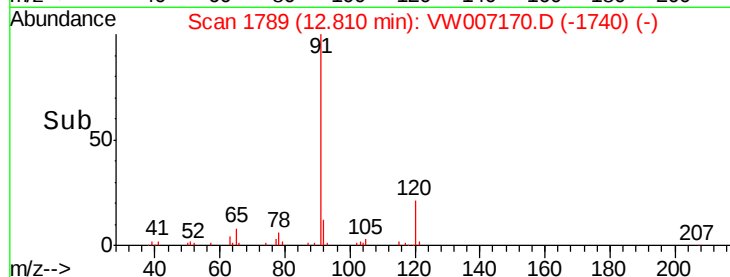
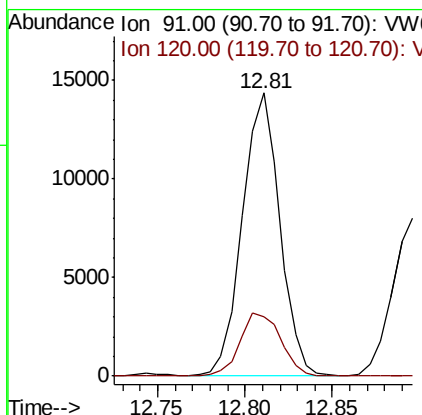
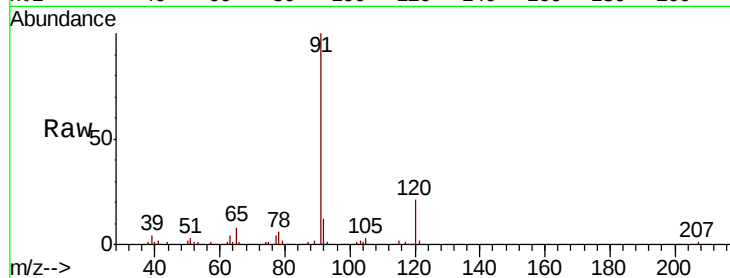




#78
n-propylbenzene
Concen: 2.370 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

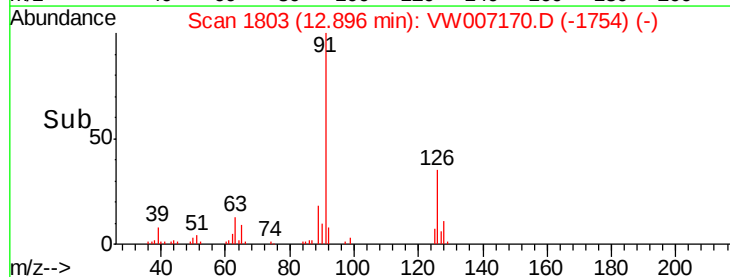
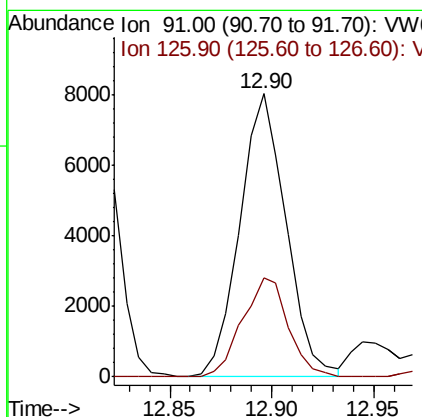
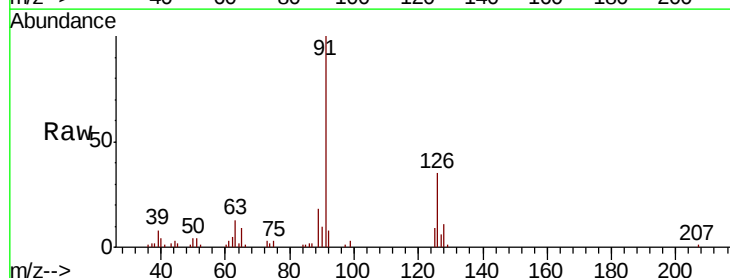
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

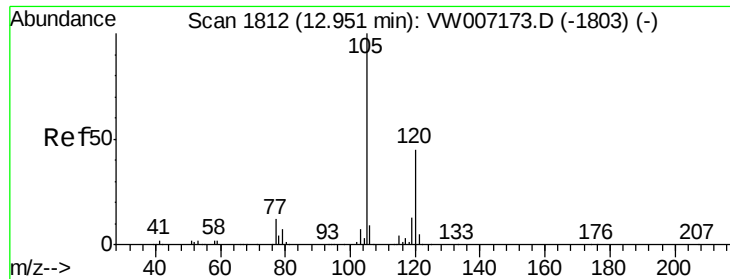
Tgt Ion: 91 Resp: 21436
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.9



#79
2-Chlorotoluene
Concen: 2.425 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Tgt Ion: 91 Resp: 12672
Ion Ratio Lower Upper
91 100
126 34.5 17.4 52.2

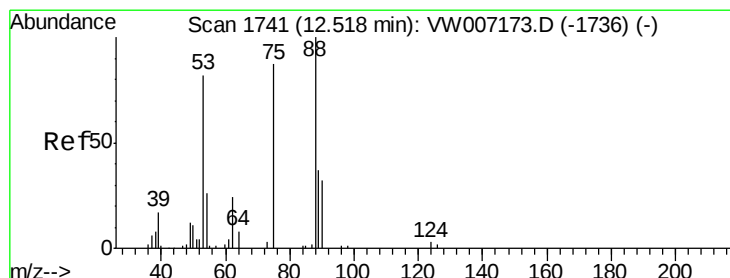
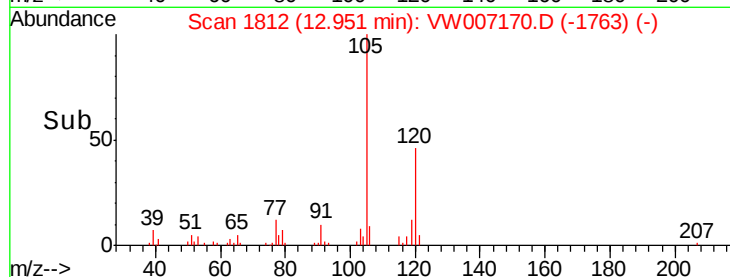
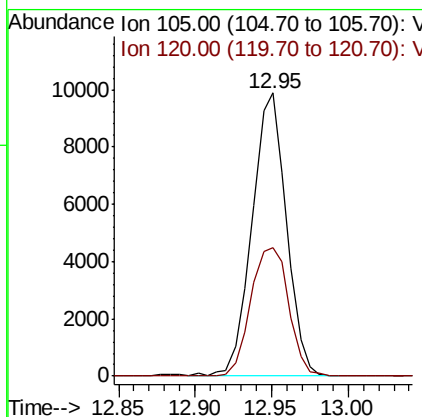
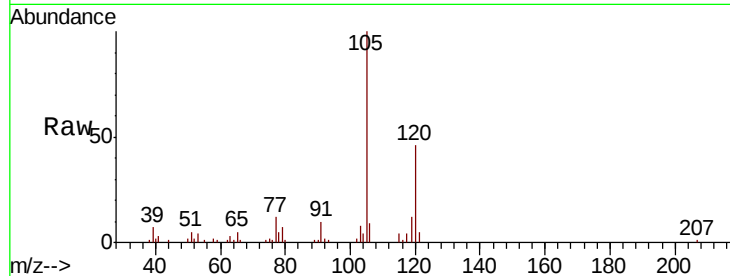




#80
 1,3,5-Trimethylbenzene
 Concen: 2.387 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

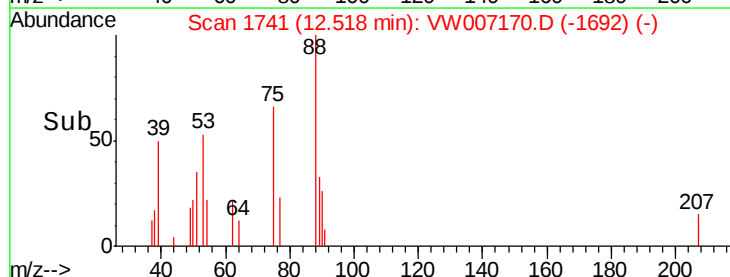
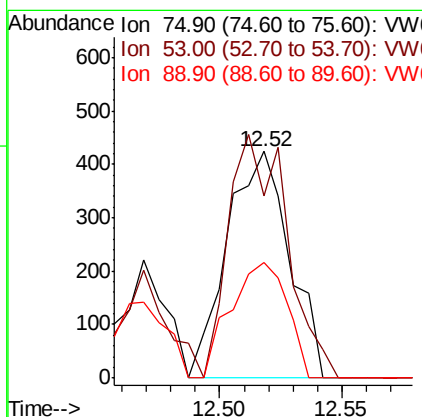
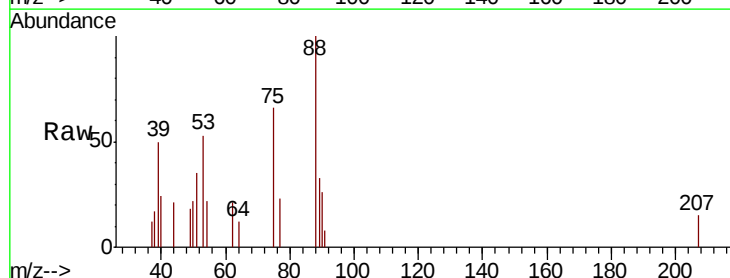
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

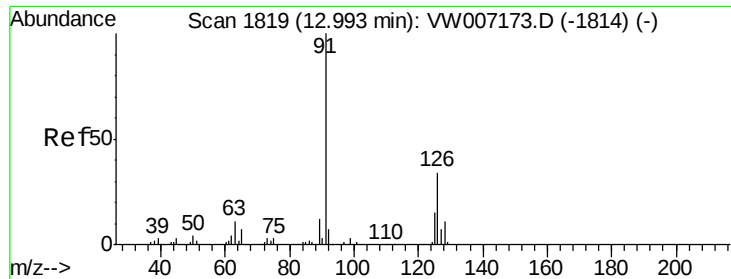
Tgt Ion: 105 Resp: 15451
 Ion Ratio Lower Upper
 105 100
 120 50.0 23.9 71.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 2.440 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion: 75 Resp: 751
 Ion Ratio Lower Upper
 75 100
 53 100.1 73.5 110.3
 89 46.1 36.4 54.6





#82

4-Chlorotoluene

Concen: 2.337 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

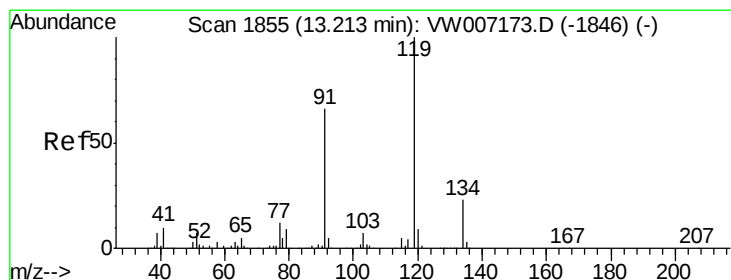
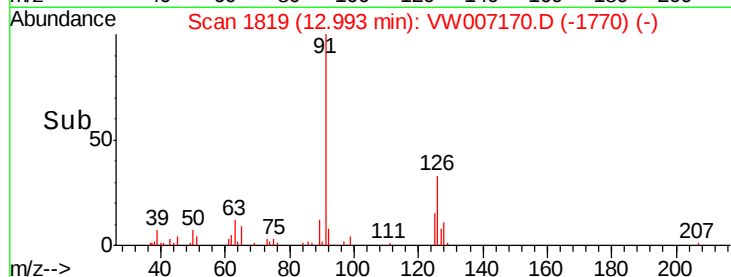
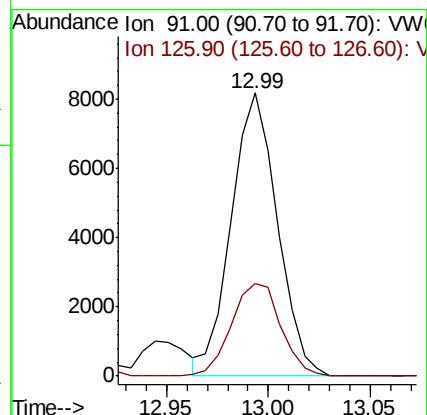
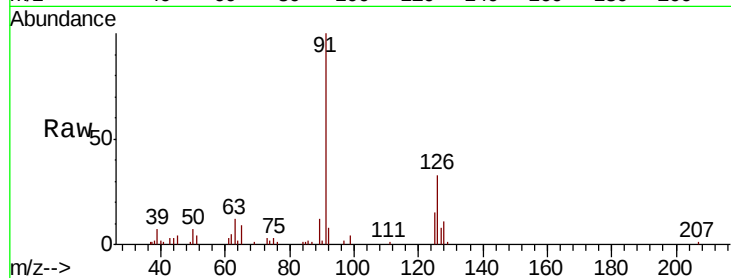
VSTDIC005

Tgt Ion: 91 Resp: 12801

Ion Ratio Lower Upper

91 100

126 35.0 16.9 50.7



#83

tert-Butylbenzene

Concen: 2.369 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

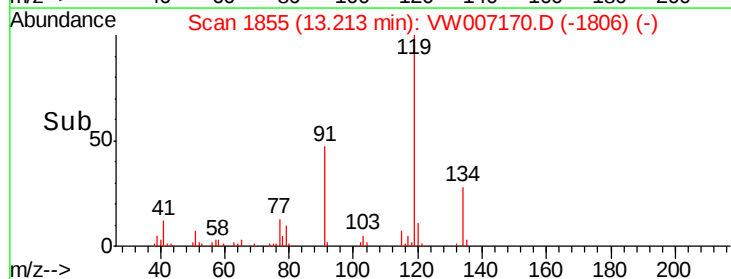
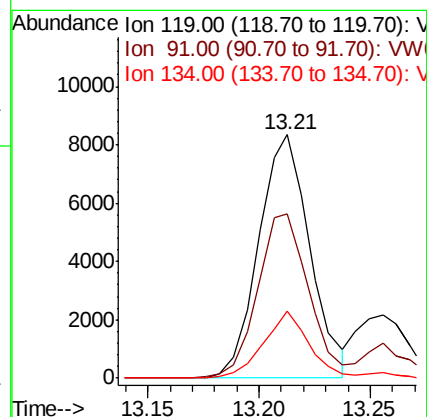
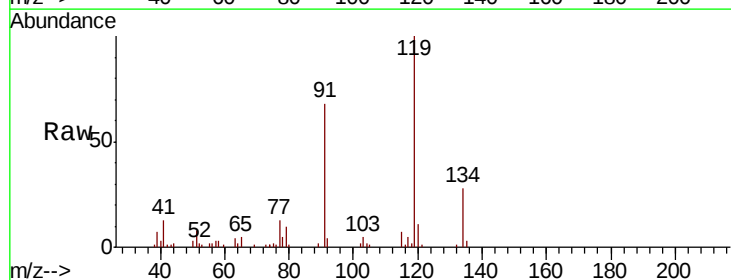
Tgt Ion: 119 Resp: 13299

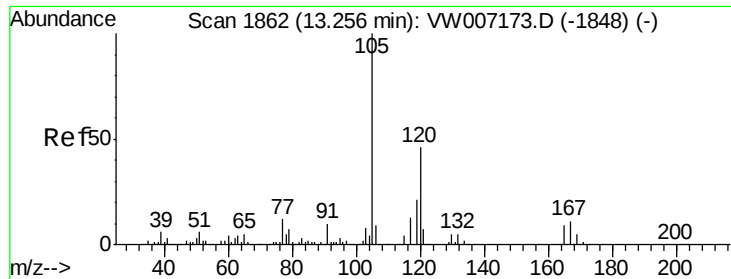
Ion Ratio Lower Upper

119 100

91 67.3 33.3 99.8

134 24.7 12.3 36.9

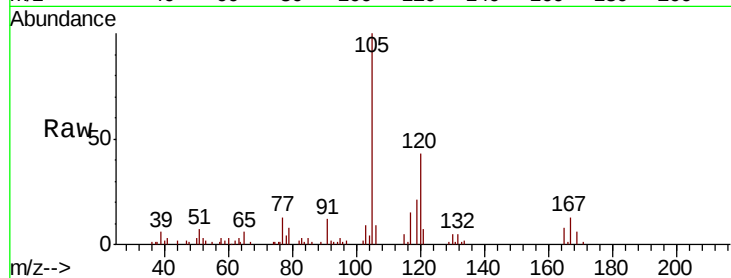




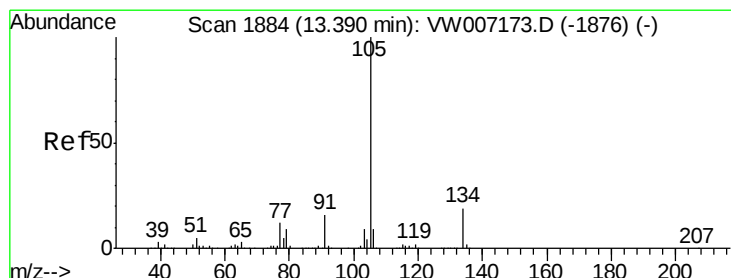
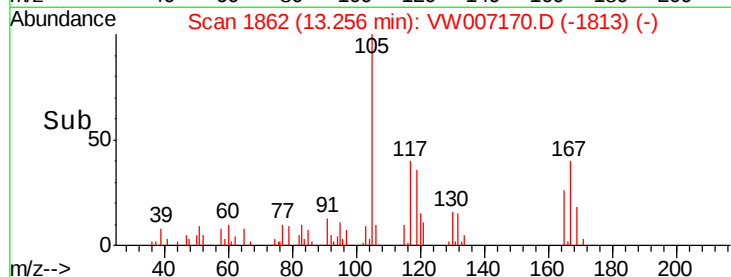
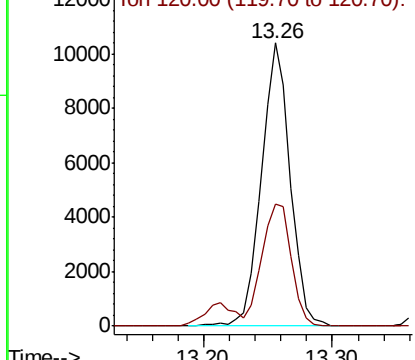
#84
 1,2,4-Trimethylbenzene
 Concen: 2.482 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 16025
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.4 67.0

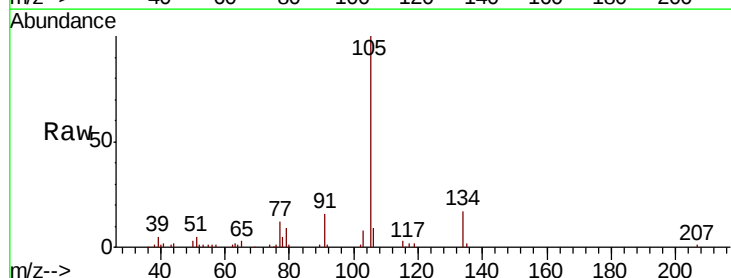


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

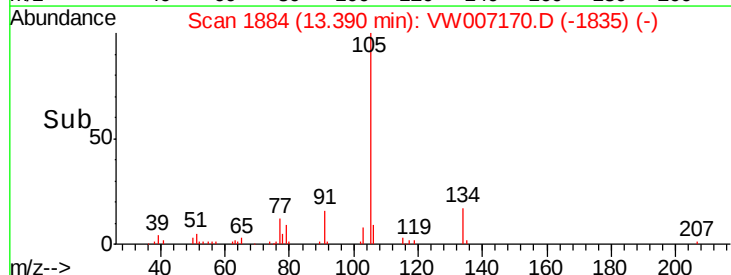
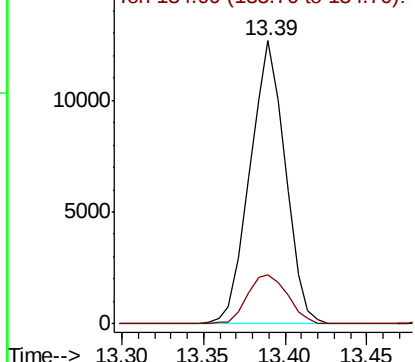


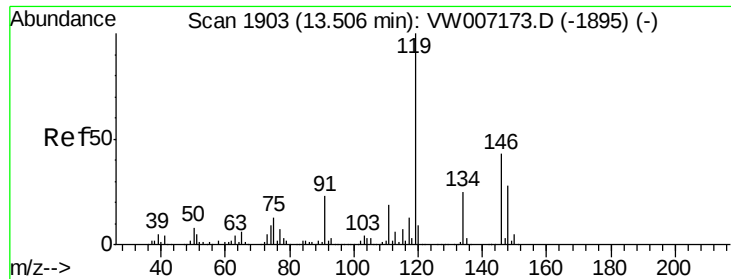
#85
 sec-Butylbenzene
 Concen: 2.416 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion:105 Resp: 19098
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

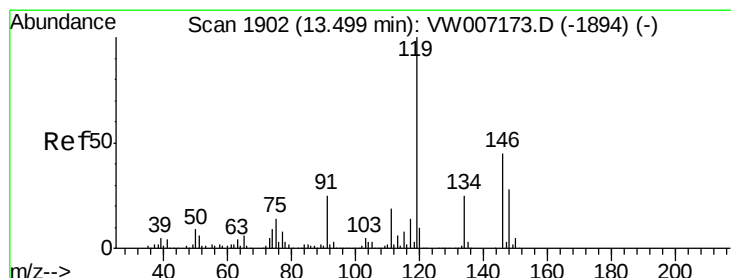
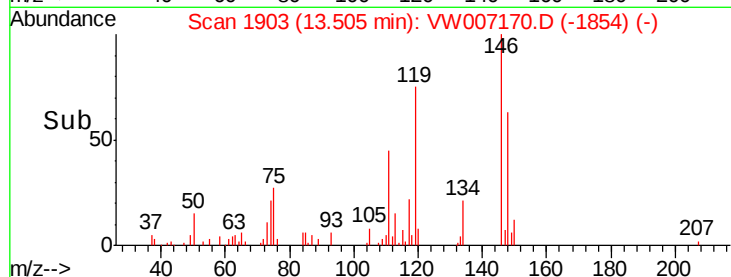
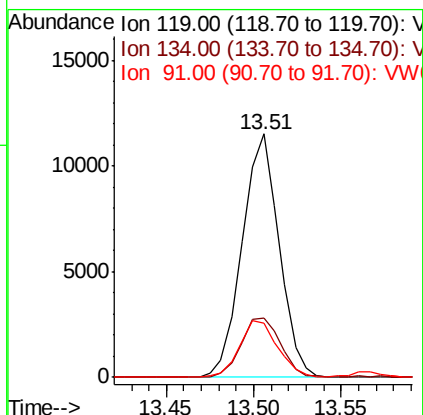
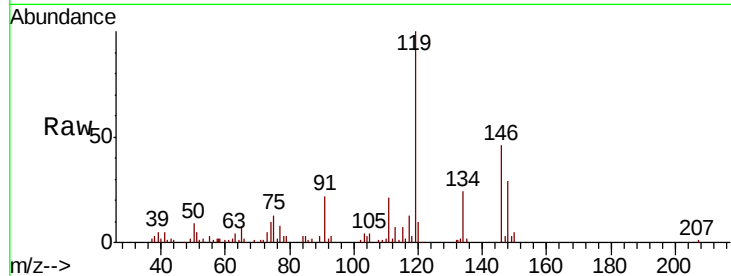




#86
p-Isopropyltoluene
Concen: 2.422 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

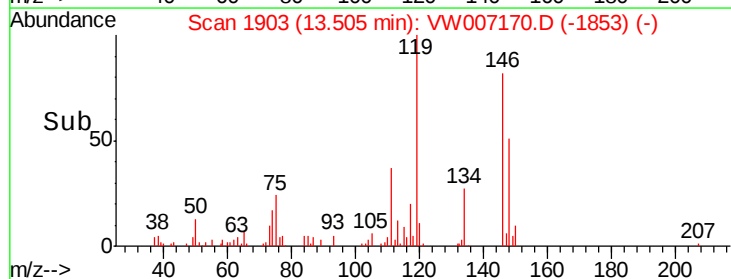
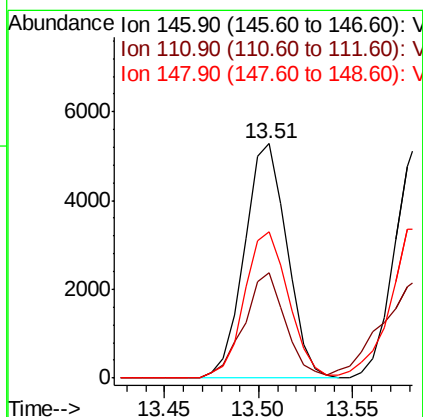
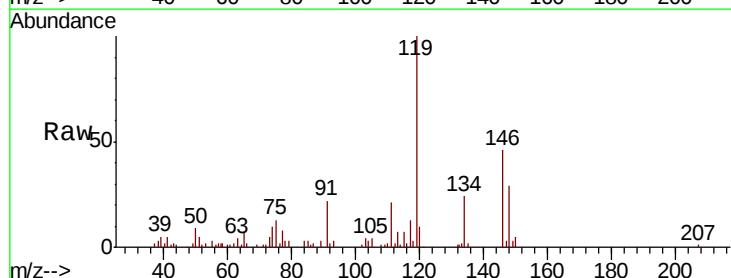
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

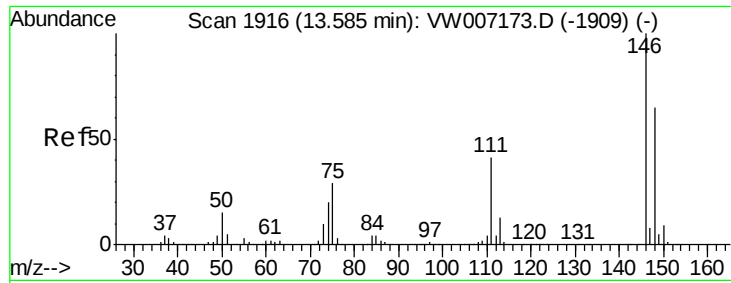
Tgt Ion:119 Resp: 16912
Ion Ratio Lower Upper
119 100
134 26.2 12.7 38.0
91 24.1 11.9 35.7



#87
1,3-Dichlorobenzene
Concen: 2.518 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW007170.D
Acq: 03 Dec 2018 23:36

Tgt Ion:146 Resp: 8265
Ion Ratio Lower Upper
146 100
111 44.0 21.4 64.3
148 64.9 31.9 95.5

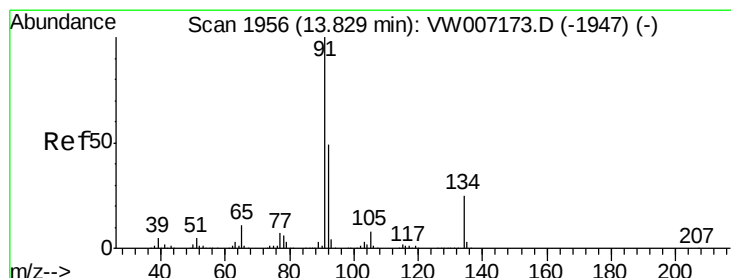
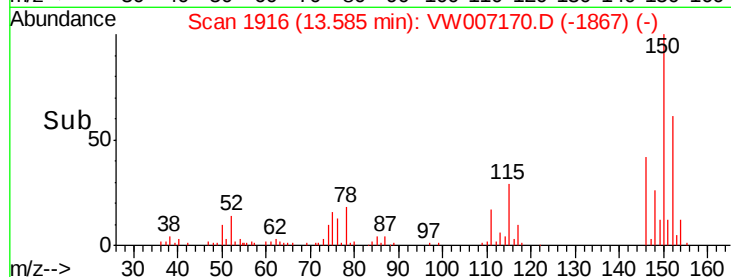
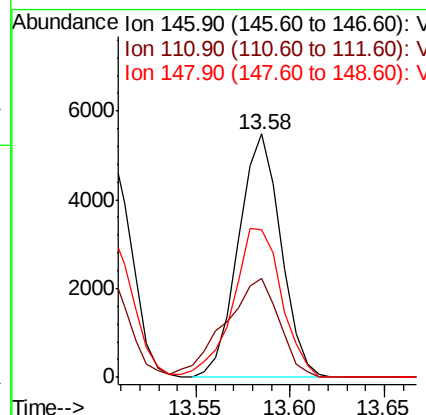
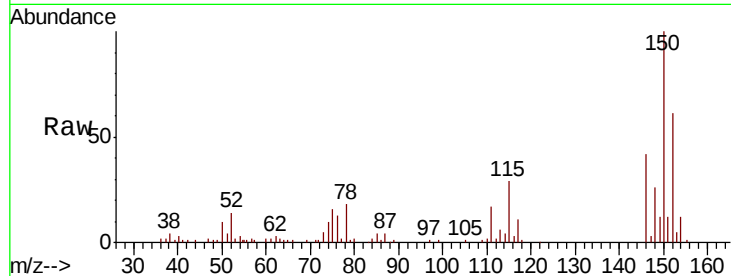




#88
 1,4-Dichlorobenzene
 Concen: 2.608 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

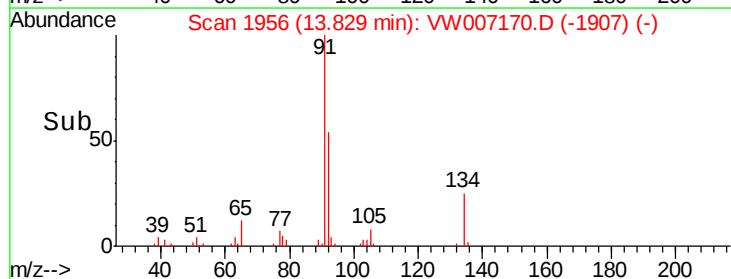
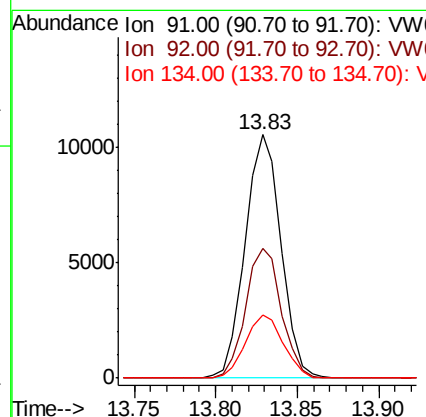
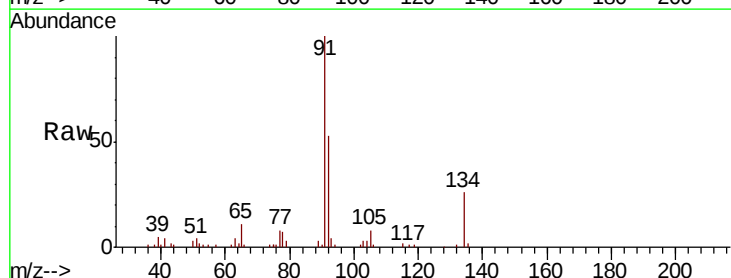
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

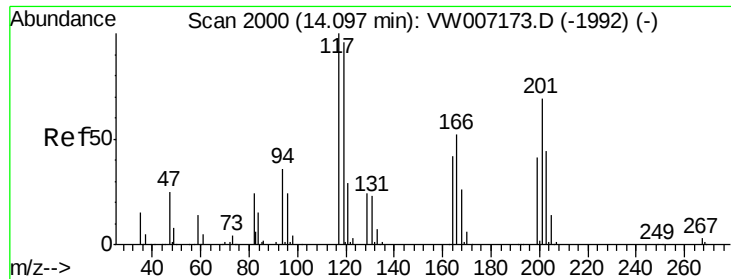
Tgt Ion: 146 Resp: 8581
 Ion Ratio Lower Upper
 146 100
 111 52.1 20.6 61.9
 148 70.2 31.9 95.5



#89
 n-Butylbenzene
 Concen: 2.455 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Tgt Ion: 91 Resp: 16103
 Ion Ratio Lower Upper
 91 100
 92 52.7 25.4 76.4
 134 27.4 13.1 39.1





#90

Hexachloroethane

Concen: 2.443 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

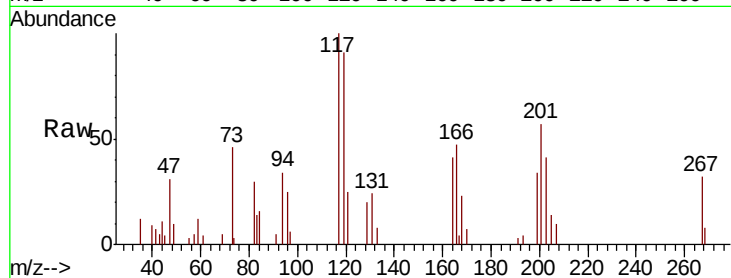
VSTDIC005

Tgt Ion:117 Resp: 2522

Ion Ratio Lower Upper

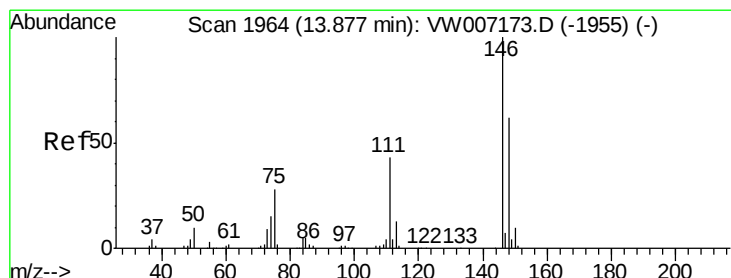
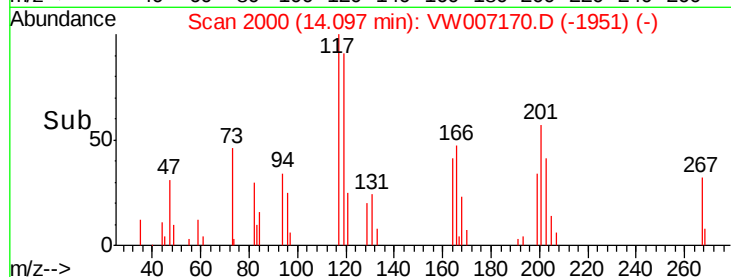
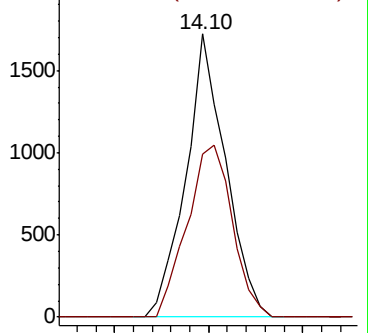
117 100

201 69.2 36.5 109.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 2.557 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

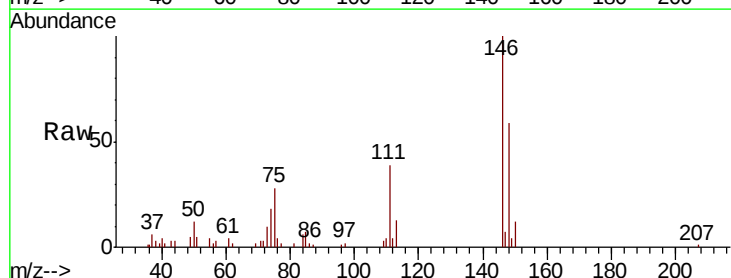
Tgt Ion:146 Resp: 7382

Ion Ratio Lower Upper

146 100

111 43.5 21.9 65.7

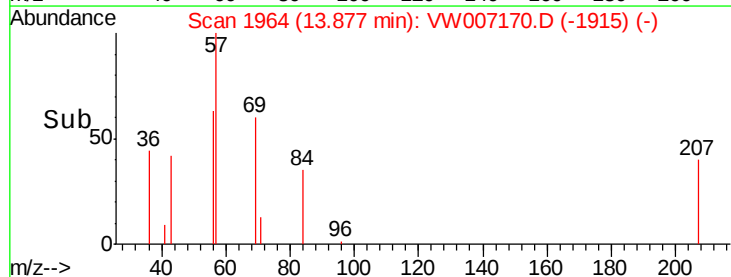
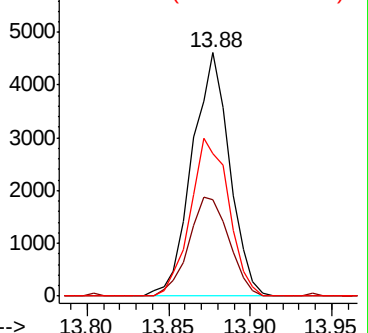
148 66.7 31.9 95.9

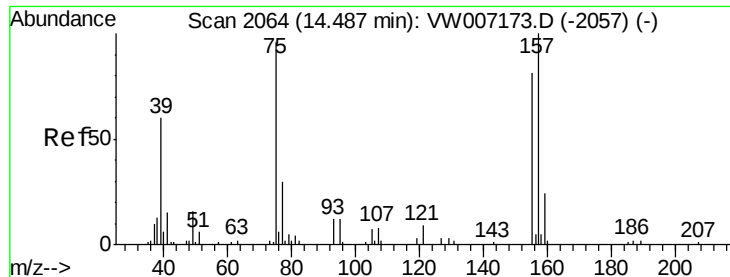


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.875 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

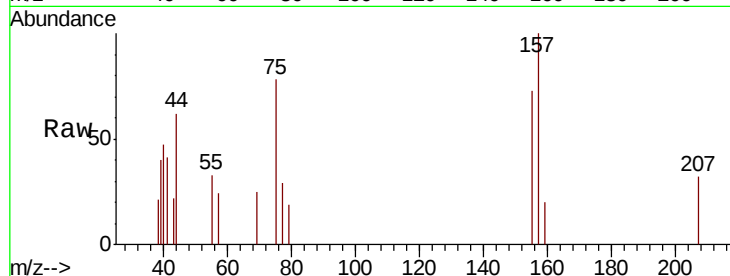
Tgt Ion: 75 Resp: 499

Ion Ratio Lower Upper

75 100

155 83.4 42.6 127.8

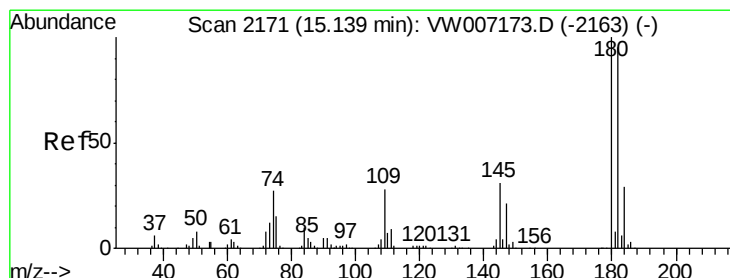
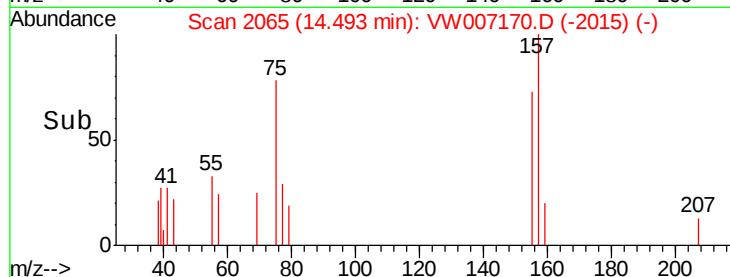
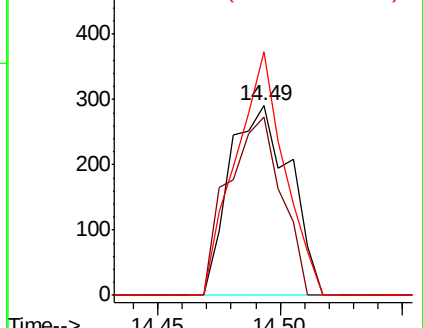
157 104.0 53.6 160.8



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: 2.524 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

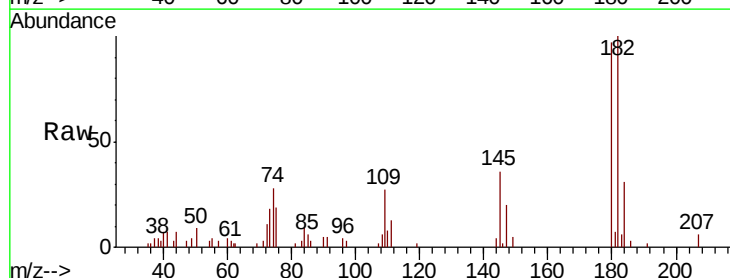
Tgt Ion: 180 Resp: 4838

Ion Ratio Lower Upper

180 100

182 97.7 47.1 141.4

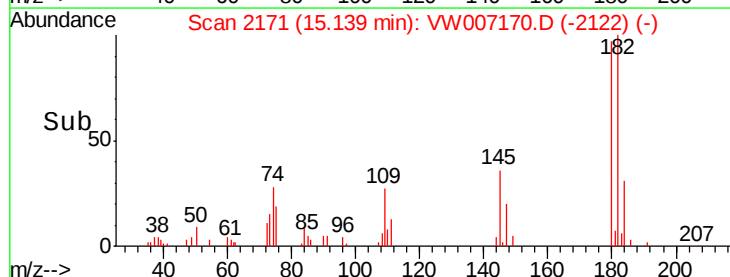
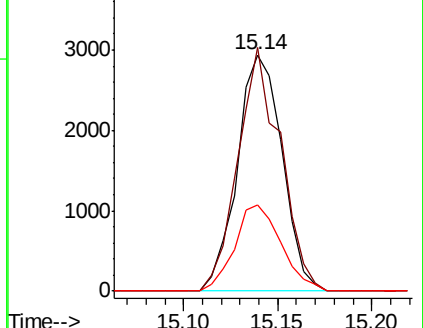
145 37.9 16.1 48.3

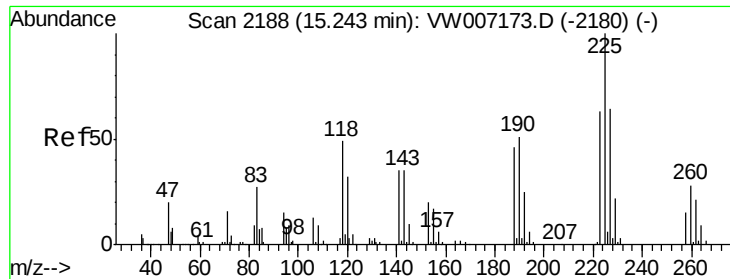


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 2.402 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

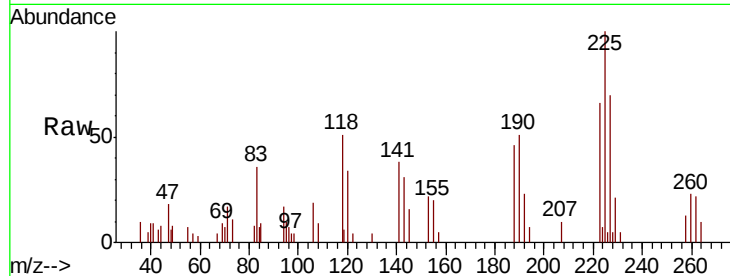
Tgt Ion:225 Resp: 2469

Ion Ratio Lower Upper

225 100

223 66.8 32.1 96.3

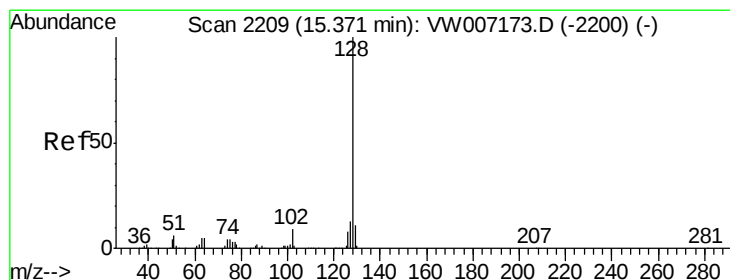
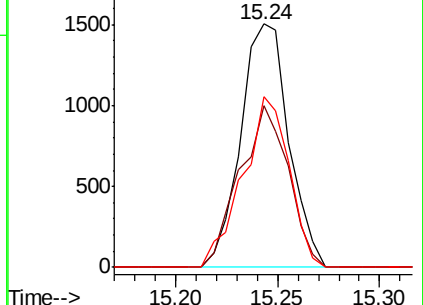
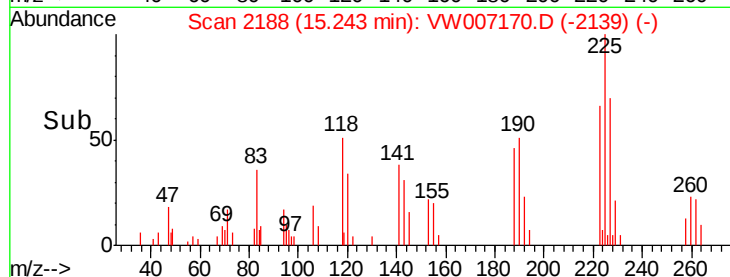
227 67.5 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.533 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007170.D

Acq: 03 Dec 2018 23:36

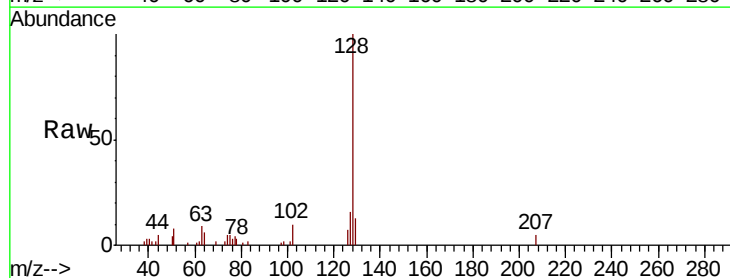
Tgt Ion:128 Resp: 8848

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

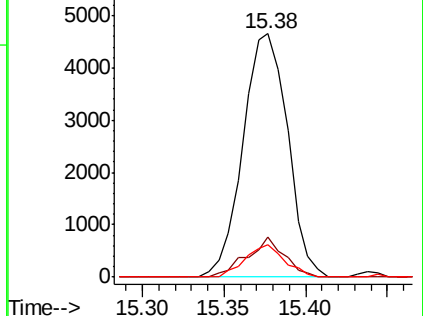
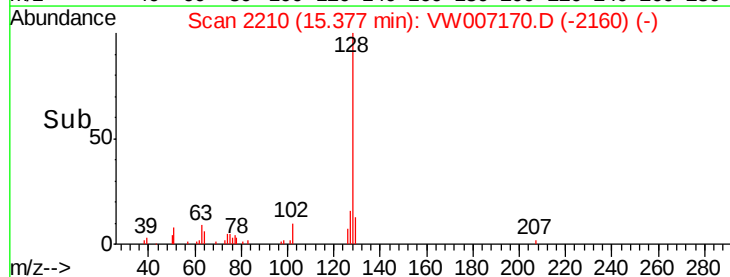
129 11.7 8.6 12.8

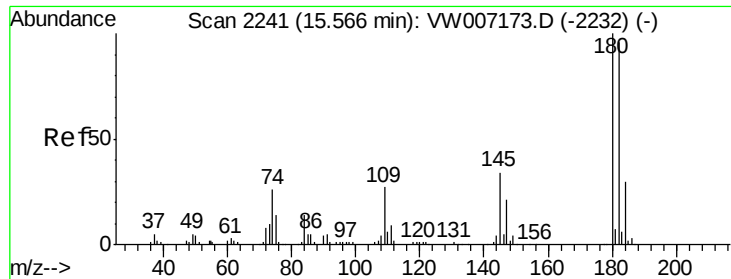


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.616 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW007170.D
 Acq: 03 Dec 2018 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.7	47.9	143.8
145	37.1	17.5	52.6

