

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122118\
 Data File : VW007698.D
 Acq On : 19 Dec 2018 13:35
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 12/20/2018 11:19:30 AM

Quant Time: Dec 20 06:22:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 05:57:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	112361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	102401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	3964	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	
35) Dibromofluoromethane	7.88	113	3561	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	
50) Toluene-d8	10.32	98	13408	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
62) 4-Bromofluorobenzene	12.62	95	5085	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	3395	5.420	ug/l	87
3) Chloromethane	2.21	50	1921	4.994	ug/l	96
4) Vinyl Chloride	2.37	62	2515	5.137	ug/l #	75
5) Bromomethane	2.78	94	1805	5.293	ug/l	81
6) Chloroethane	2.92	64	1210	4.619	ug/l	93
7) Trichlorofluoromethane	3.25	101	2529	4.961	ug/l #	82
8) Diethyl Ether	3.67	74	1575	5.044	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	4006m	5.404	ug/l	
10) Methyl Iodide	4.27	142	6172	5.170	ug/l	99
11) Tert butyl alcohol	5.16	59	1390	26.681	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	3562	5.124	ug/l	97
13) Acrolein	3.89	56	1093	26.240	ug/l	98
14) Allyl chloride	4.67	41	4845	5.315	ug/l	99
15) Acrylonitrile	5.37	53	3200	24.027	ug/l	96
16) Acetone	4.13	43	4091	28.288	ug/l	98
17) Carbon Disulfide	4.38	76	11659	5.420	ug/l	97
18) Methyl Acetate	4.68	43	1639	4.765	ug/l	93
19) Methyl tert-butyl Ether	5.42	73	5186	5.196	ug/l	96
20) Methylene Chloride	4.91	84	6532	7.494	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	4129	5.400	ug/l	89
22) Diisopropyl ether	6.31	45	8525	4.994	ug/l #	89
23) Vinyl Acetate	6.26	43	24592	24.248	ug/l	97
24) 1,1-Dichloroethane	6.21	63	6726	5.356	ug/l #	90
25) 2-Butanone	7.18	43	4474	26.412	ug/l	91
26) 2,2-Dichloropropane	7.17	77	5150	5.604	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	4340	5.328	ug/l	98
28) Bromochloromethane	7.51	49	2248	5.250	ug/l #	99
29) Tetrahydrofuran	7.53	42	2389	23.645	ug/l	98
30) Chloroform	7.68	83	7458	5.248	ug/l	91
31) Cyclohexane	7.95	56	7044	6.127	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	6762	5.224	ug/l	98
36) 1,1-Dichloropropene	8.08	75	5757	5.309	ug/l	100
37) Ethyl Acetate	7.26	43	1928	5.151	ug/l #	96
38) Carbon Tetrachloride	8.07	117	6718	5.260	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	7244	5.376	ug/l	96
40) Benzene	8.32	78	15734	5.437	ug/l	99
41) Methacrylonitrile	7.49	41	894	4.207	ug/l	86
42) 1,2-Dichloroethane	8.40	62	4893	5.045	ug/l	100
43) Isopropyl Acetate	8.43	43	3783	5.045	ug/l	96
44) Trichloroethene	9.09	130	4860	5.553	ug/l	100
45) 1,2-Dichloropropane	9.37	63	3340	5.201	ug/l	95
46) Dibromomethane	9.46	93	2019	5.108	ug/l	95
47) Bromodichloromethane	9.65	83	5304	5.104	ug/l	88
48) Methyl methacrylate	9.44	41	1850	4.943	ug/l	97
49) 1,4-Dioxane	9.45	88	575	91.750	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	8635	24.367	ug/l	98
52) Toluene	10.39	92	10623	5.471	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	5137	4.970	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	5864	5.136	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	2736	5.021	ug/l #	85
56) Ethyl methacrylate	10.65	69	2835	4.403	ug/l	93
57) 1,3-Dichloropropane	10.93	76	4618	5.103	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	7312	24.874	ug/l	99
59) 2-Hexanone	10.97	43	5863	23.526	ug/l	99
60) Dibromochloromethane	11.13	129	3715	5.149	ug/l	98
61) 1,2-Dibromoethane	11.23	107	2797	5.069	ug/l	100
64) Tetrachloroethene	10.86	164	3937	5.429	ug/l	95
65) Chlorobenzene	11.66	112	12124	5.470	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	4284	5.409	ug/l	94
67) Ethyl Benzene	11.73	91	19886	5.229	ug/l	94
68) m/p-Xylenes	11.84	106	15703	10.643	ug/l	97
69) o-Xylene	12.17	106	6987	5.052	ug/l	97
70) Styrene	12.18	104	11416	5.022	ug/l	97
71) Bromoform	12.35	173	1999	4.862	ug/l #	99
73) Isopropylbenzene	12.47	105	20391	5.134	ug/l	100
74) N-amyl acetate	12.27	43	3164	4.599	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	2985	5.013	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	1876m	2.359	ug/l	
77) Bromobenzene	12.75	156	4717	5.182	ug/l	96
78) n-propylbenzene	12.81	91	23752	5.138	ug/l	99
79) 2-Chlorotoluene	12.90	91	14068	5.223	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	17496	5.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	856	4.425	ug/l	89
82) 4-Chlorotoluene	12.99	91	14854	5.180	ug/l	100
83) tert-Butylbenzene	13.21	119	15384	5.118	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	17551	5.077	ug/l	98
85) sec-Butylbenzene	13.39	105	21605	5.215	ug/l	98
86) p-Isopropyltoluene	13.51	119	19290	5.121	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	9506	5.260	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	9814	5.429	ug/l	95
89) n-Butylbenzene	13.83	91	17733	5.134	ug/l	99
90) Hexachloroethane	14.10	117	3599	5.442	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	8287	5.122	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	563	4.604	ug/l	92

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VSTDICC005

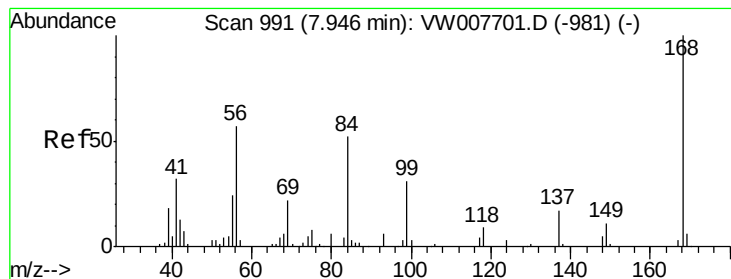
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	5710	5.084	ug/l	96
94) Hexachlorobutadiene	15.24	225	3182	5.301	ug/l	97
95) Naphthalene	15.38	128	9350	4.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	4882	5.078	ug/l	98

(#) = 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. 0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 70461

Ion Ratio Lower Upper

168 100

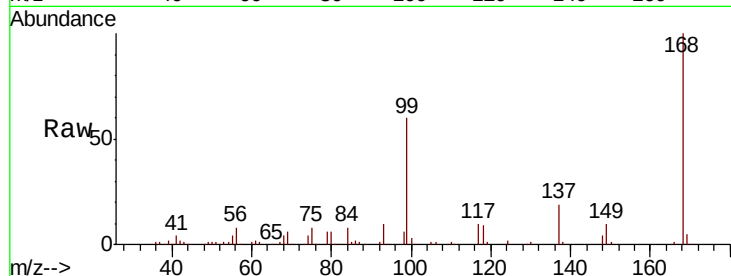
99 60.3 54.0 81.0

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

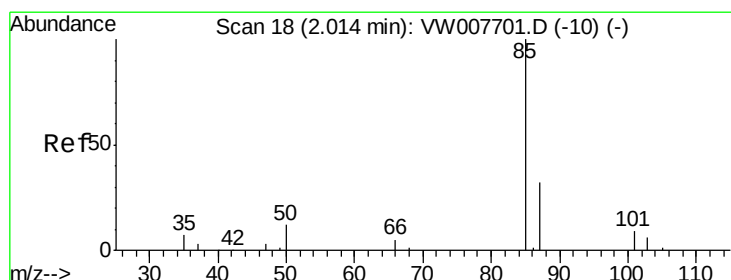
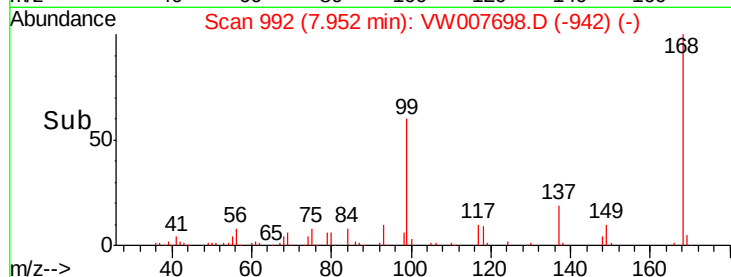
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 5.420 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007698.D

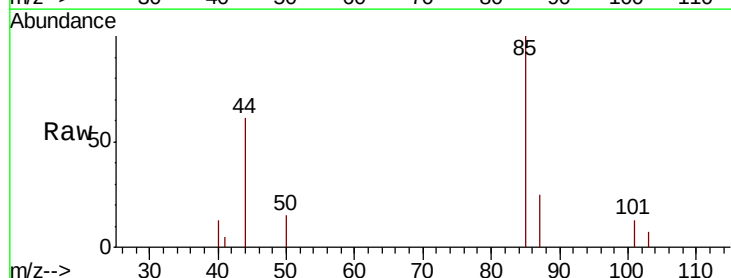
Acq: 19 Dec 2018 13:35

Tgt Ion: 85 Resp: 3395

Ion Ratio Lower Upper

85 100

87 25.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

1200

1000

800

600

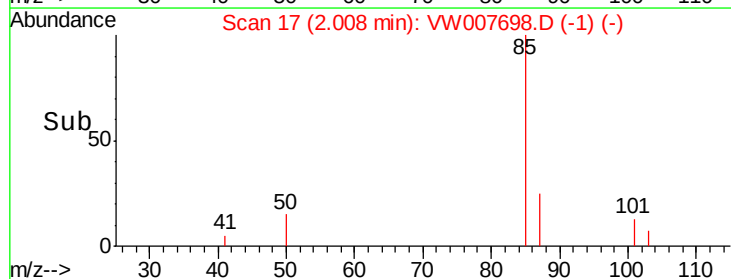
400

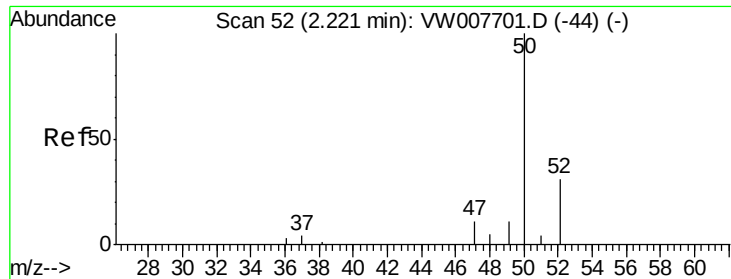
200

0

2.00 2.10

Time-->





#3

Chloromethane

Concen: 4.994 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 1921

Ion Ratio Lower Upper

50 100

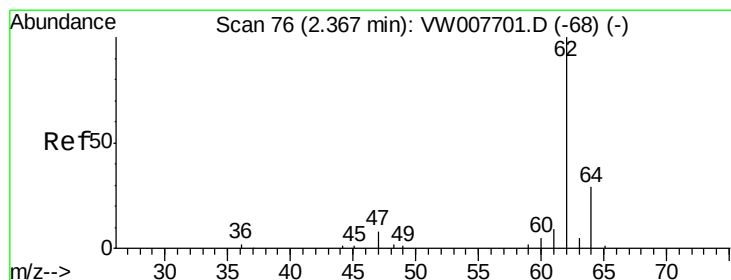
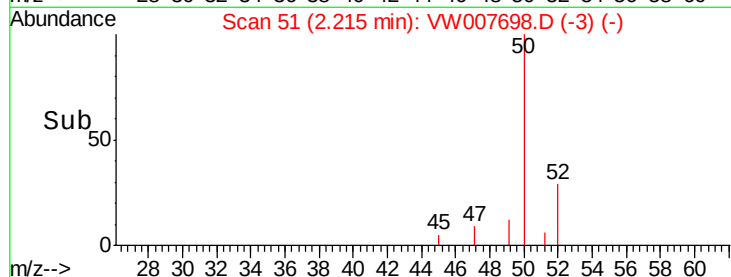
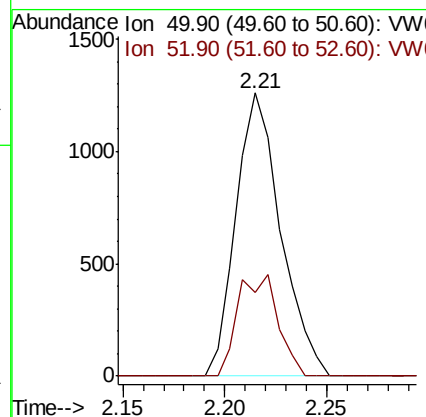
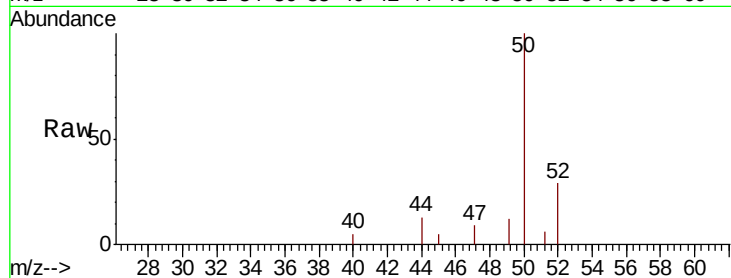
52 29.4 25.1 37.7

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#4

Vinyl Chloride

Concen: 5.137 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007698.D

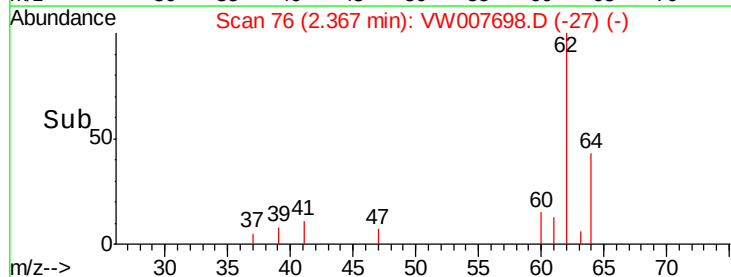
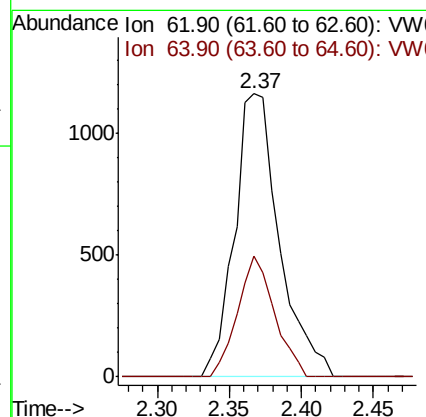
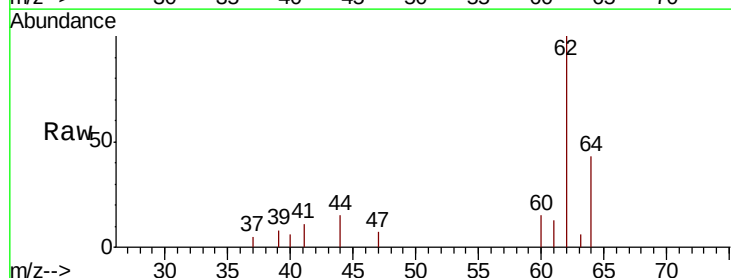
Acq: 19 Dec 2018 13:35

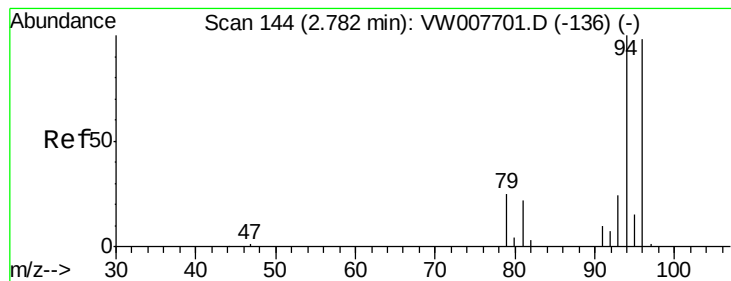
Tgt Ion: 62 Resp: 2515

Ion Ratio Lower Upper

62 100

64 42.5 23.4 35.0#





#5

Bromomethane

Concen: 5.293 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 1805

Ion Ratio Lower Upper

94 100

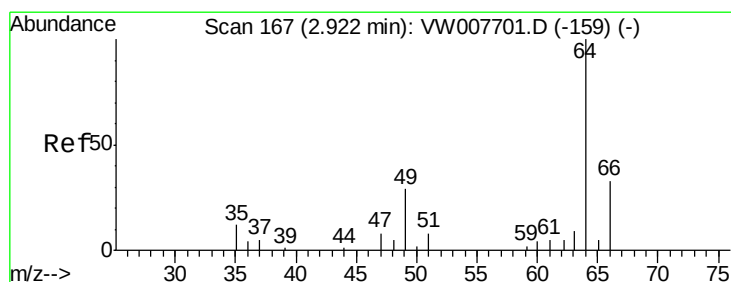
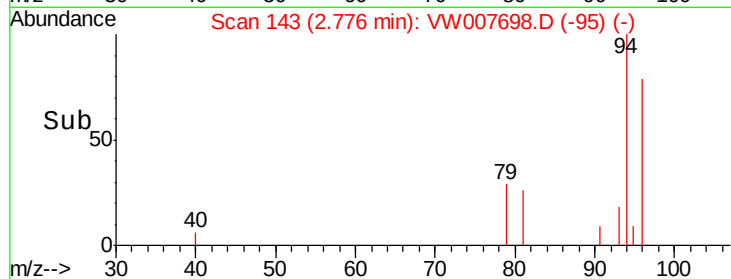
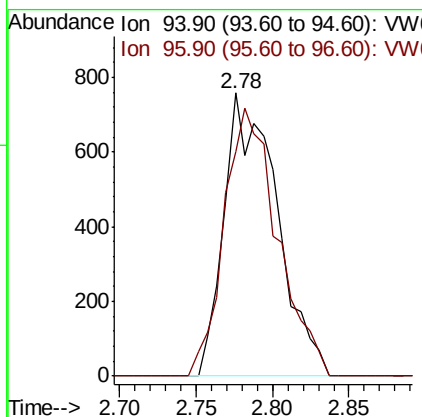
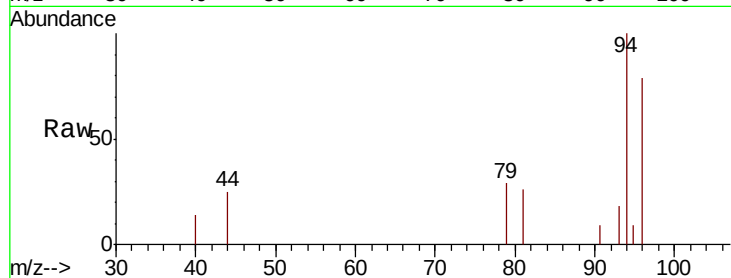
96 79.3 78.2 117.2

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#6

Chloroethane

Concen: 4.619 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007698.D

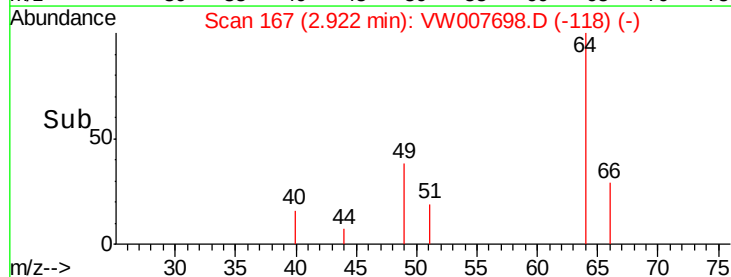
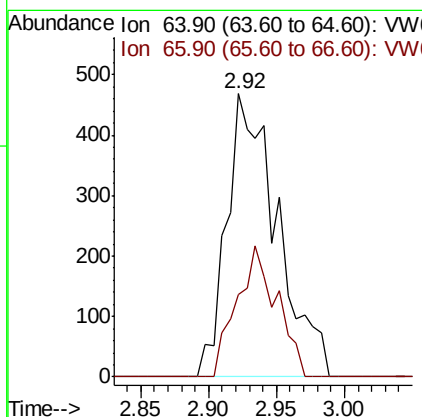
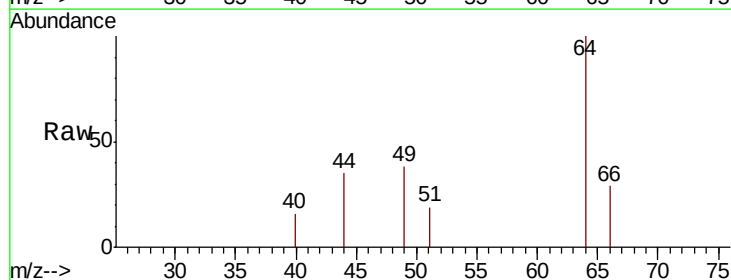
Acq: 19 Dec 2018 13:35

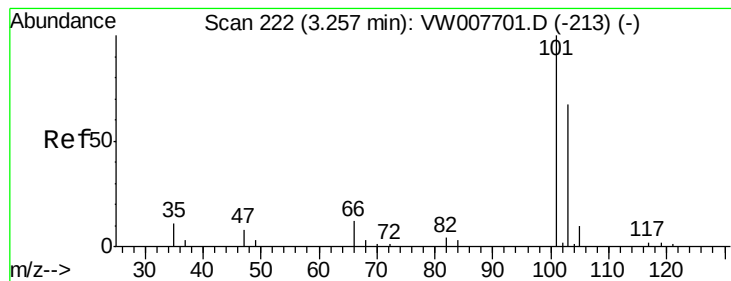
Tgt Ion: 64 Resp: 1210

Ion Ratio Lower Upper

64 100

66 29.1 26.2 39.4





#7

Trichlorofluoromethane

Concen: 4.961 ug/l

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 2529

Ion Ratio Lower Upper

101 100

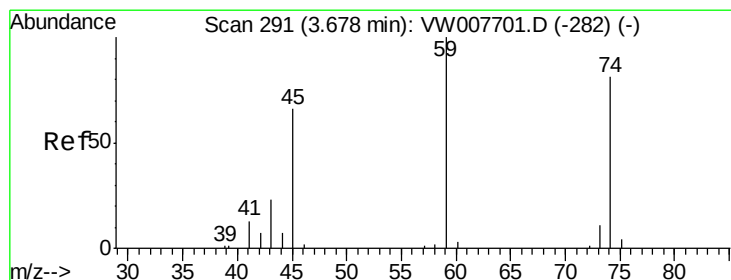
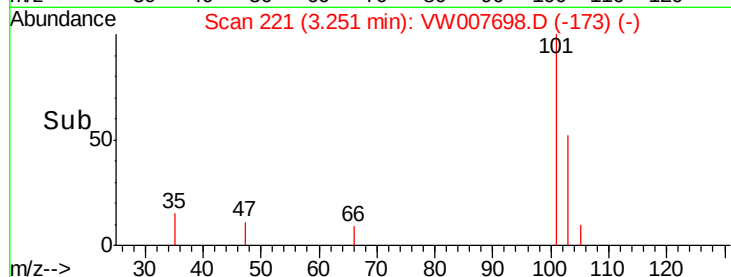
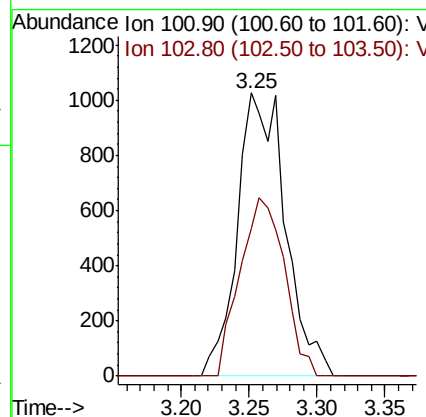
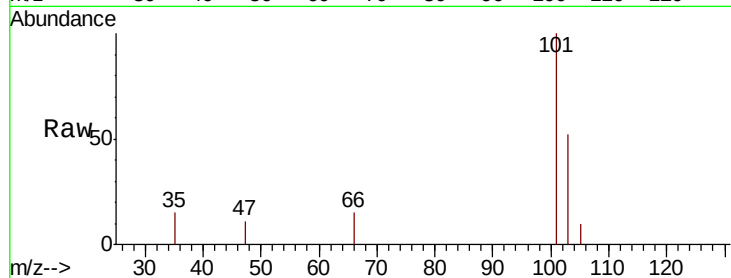
103 52.3 53.4 80.2#

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#8

Diethyl Ether

Concen: 5.044 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW007698.D

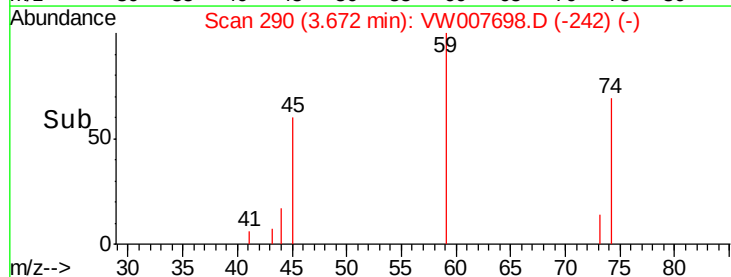
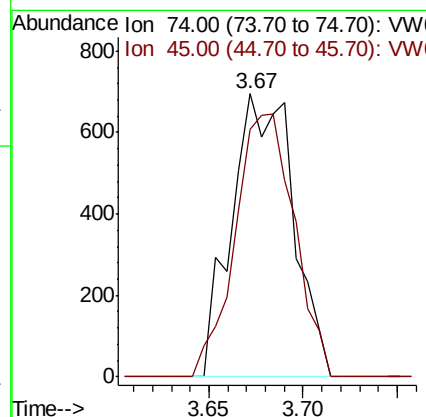
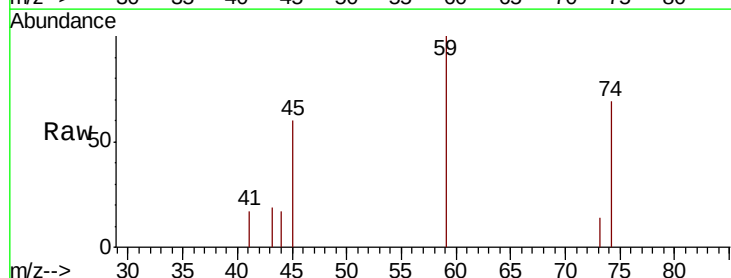
Acq: 19 Dec 2018 13:35

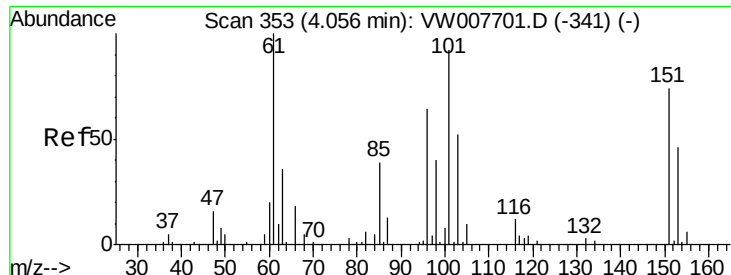
Tgt Ion: 74 Resp: 1575

Ion Ratio Lower Upper

74 100

45 89.4 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.404 ug/l m

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

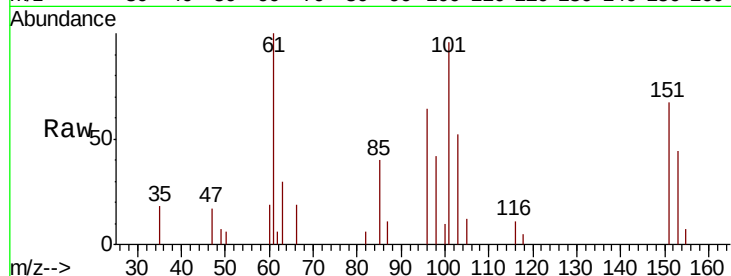
ClientSampleId :

VSTDIC005

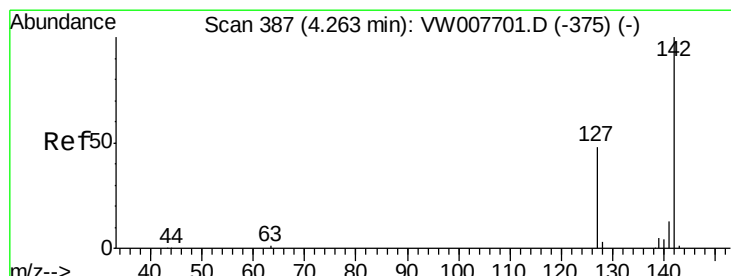
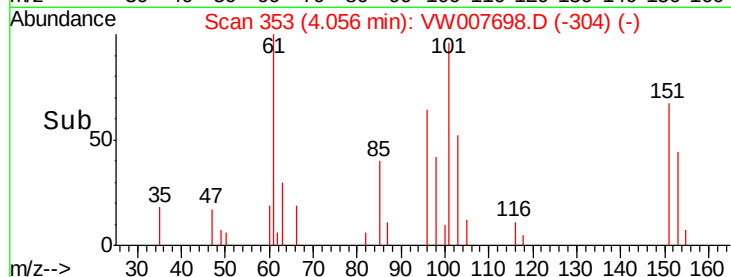
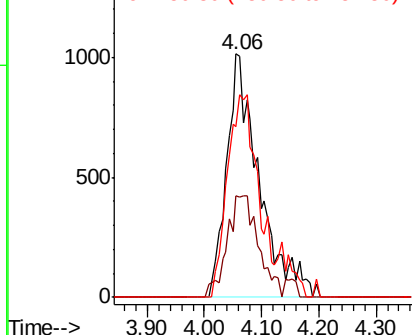
Tot Ion:	101	Resp:	4006
Ion Ratio	Lower	Upper	
101	100		
85	40.4	34.3	51.5
151	77.8	64.6	96.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.170 ug/l

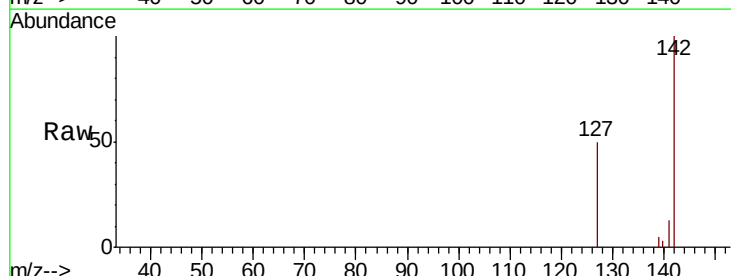
RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

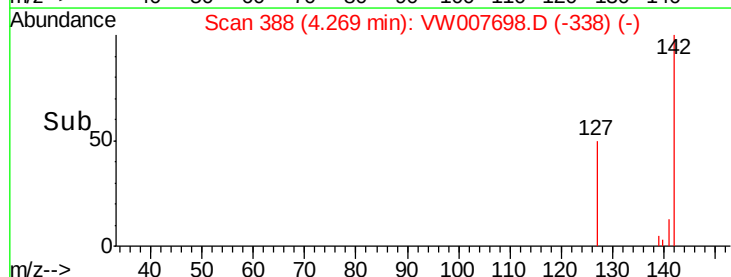
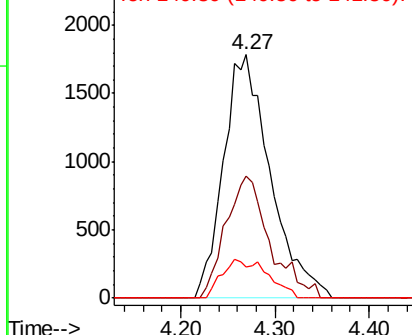
Lab File: VW007698.D

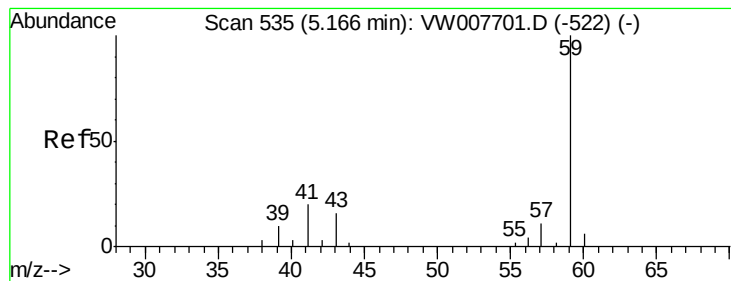
Acq: 19 Dec 2018 13:35

Tgt Ion:	142	Resp:	6172
Ion Ratio	Lower	Upper	
142	100		
127	47.1	37.7	56.5
141	15.6	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

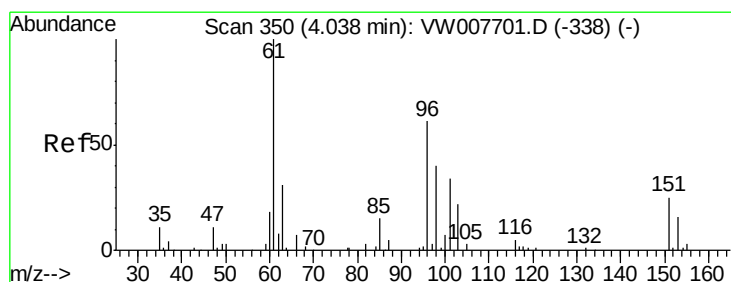
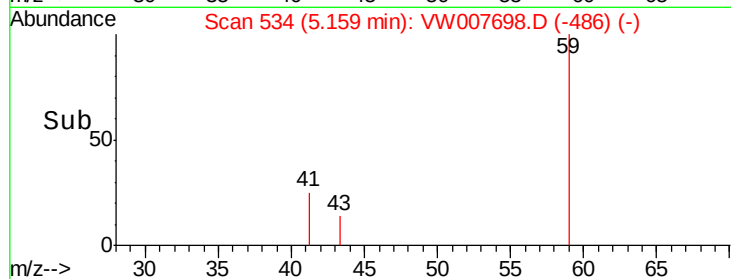
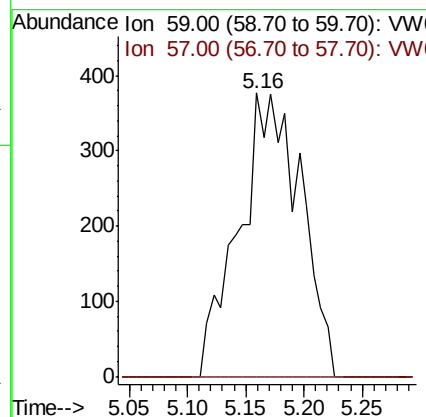
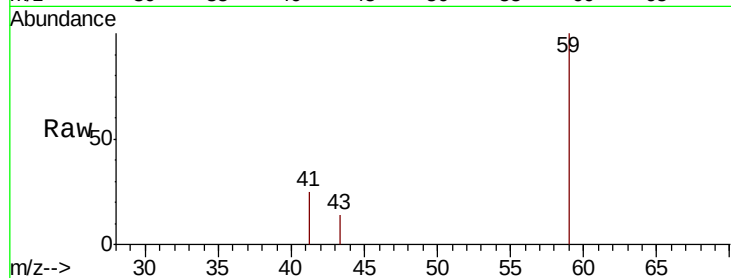
Tert butyl alcohol
 Concen: 26.681 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

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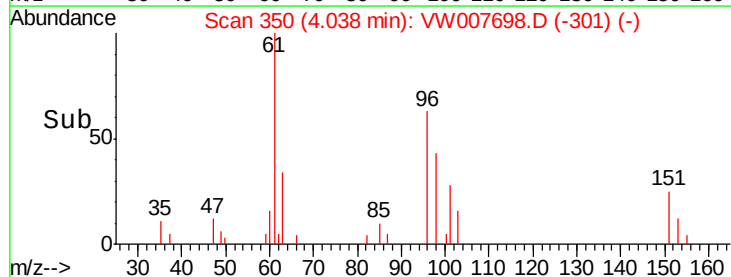
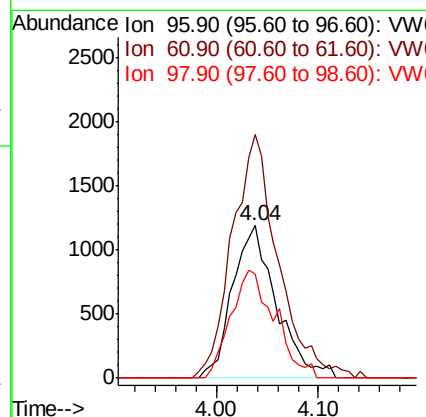
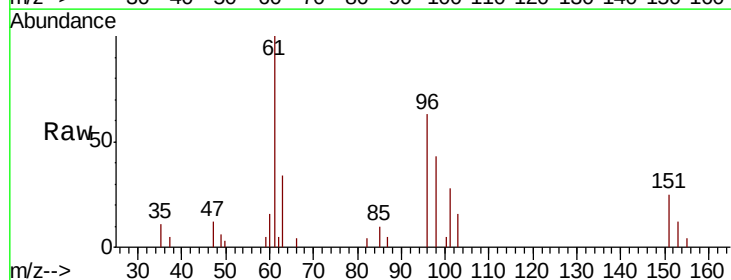
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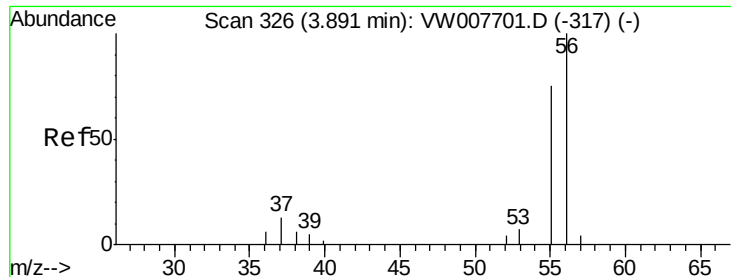


#12

1,1-Dichloroethene
 Concen: 5.124 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	130.6	195.8
98	68.1	52.3	78.5





#13

Acrolein

Concen: 26.240 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1093

Ion Ratio Lower Upper

56 100

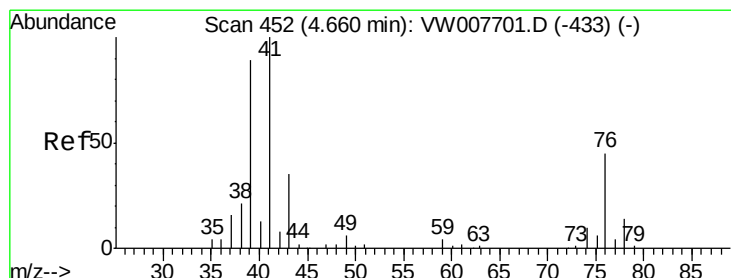
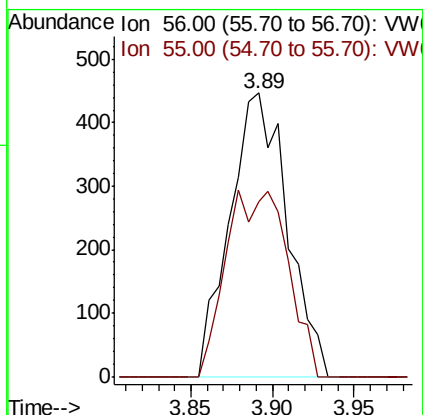
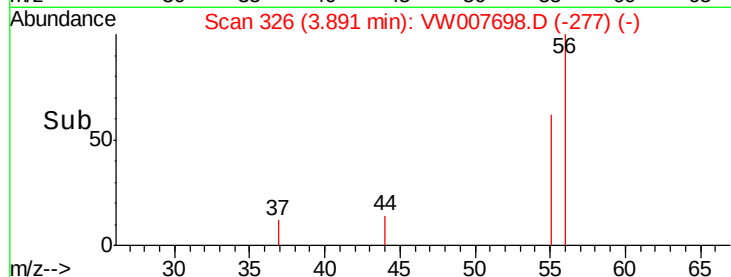
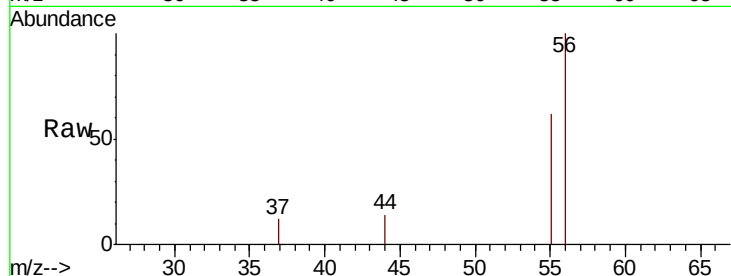
55 70.5 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 5.315 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

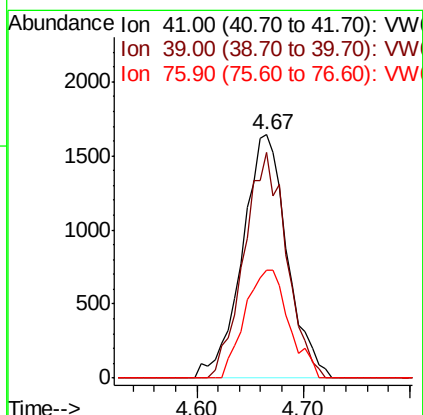
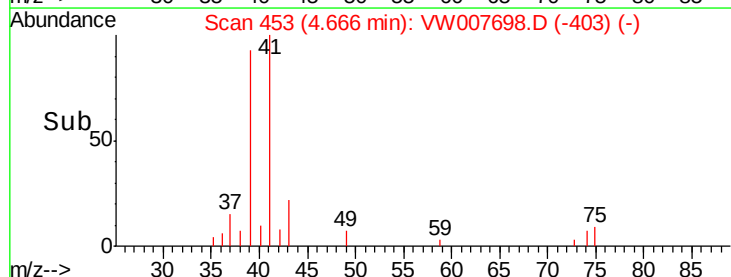
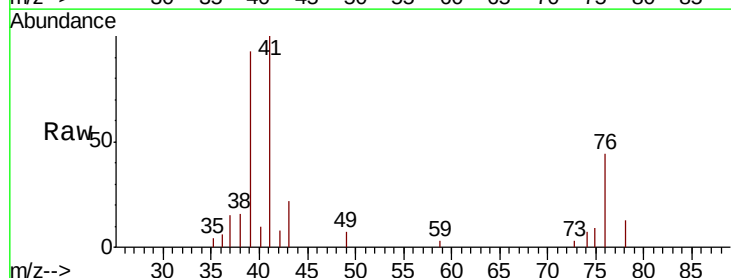
Tgt Ion: 41 Resp: 4845

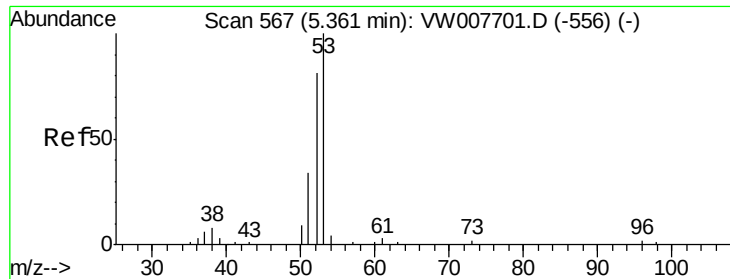
Ion Ratio Lower Upper

41 100

39 87.7 69.5 104.3

76 43.6 34.8 52.2





#15

Acrylonitrile

Concen: 24.027 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

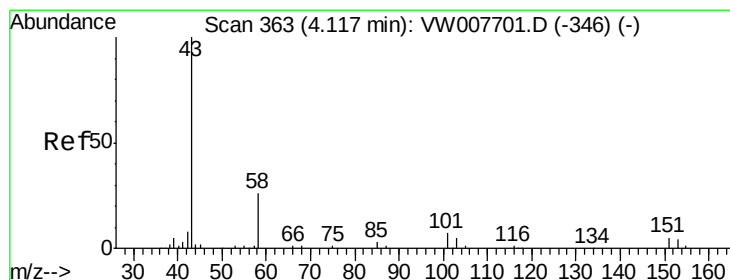
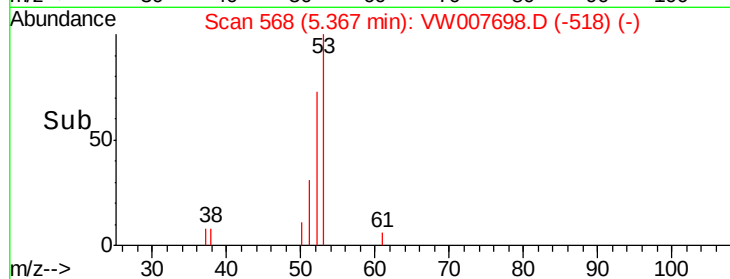
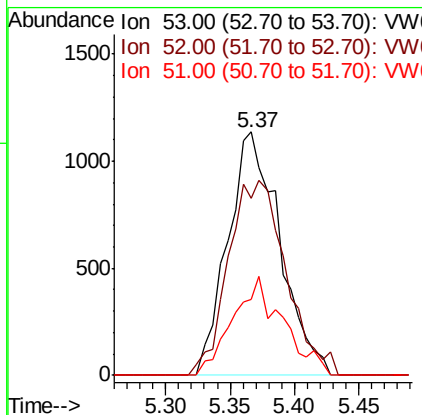
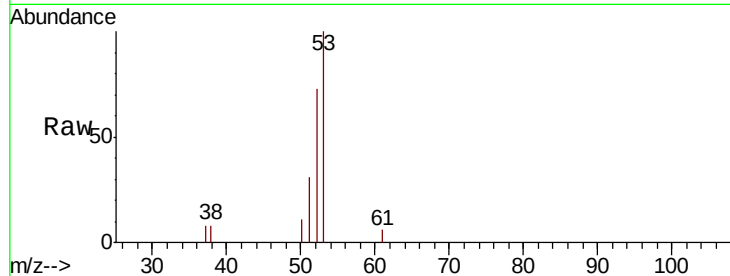
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	3200
Ion	Ratio	Lower	Upper
53	100		
52	88.5	67.0	100.4
51	39.0	30.2	45.2

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#16

Acetone

Concen: 28.288 ug/l

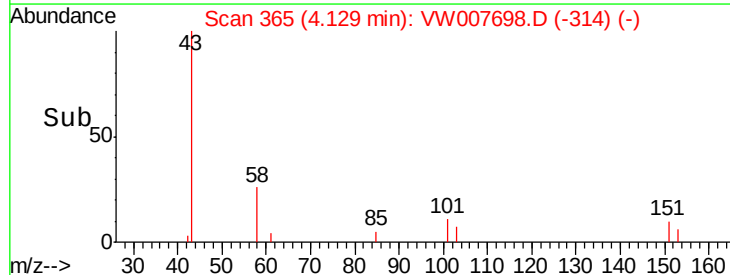
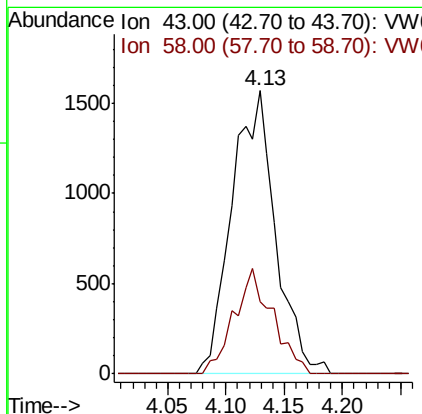
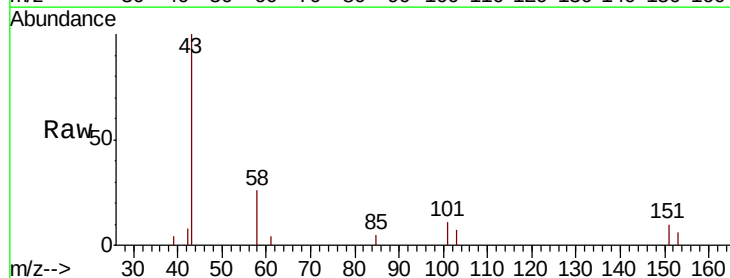
RT: 4.13 min Scan# 365

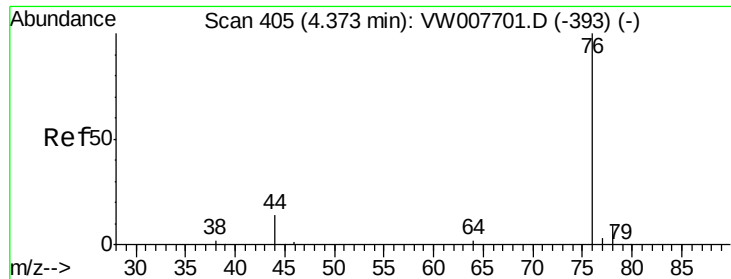
Delta R.T. 0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Tgt Ion:	43	Resp:	4091
Ion	Ratio	Lower	Upper
43	100		
58	25.6	21.2	31.8





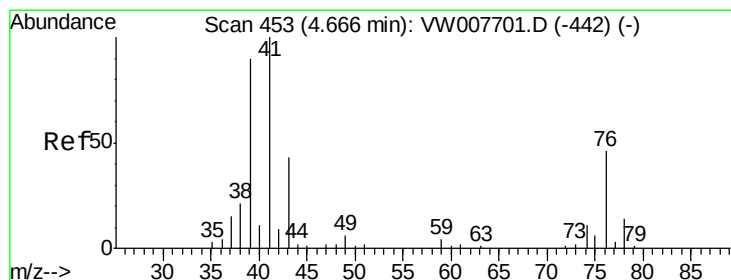
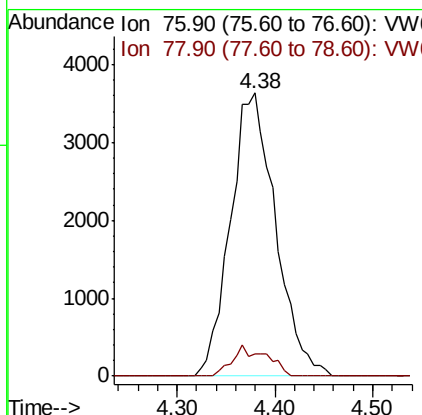
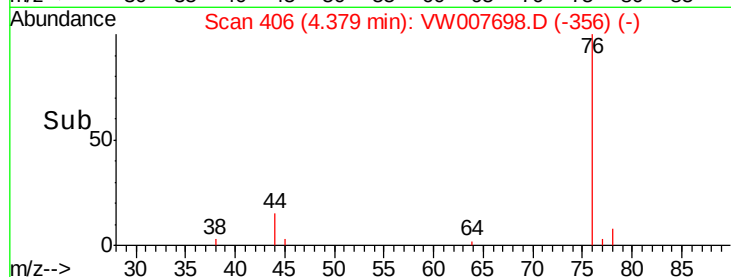
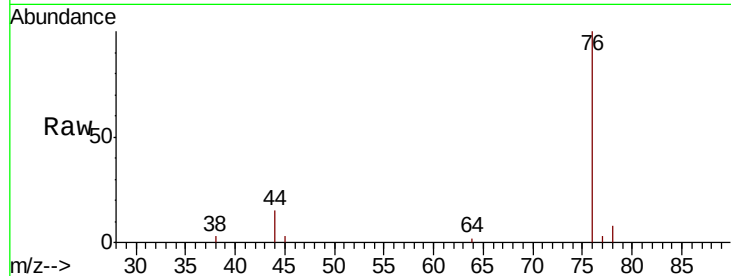
#17
Carbon Disulfide
Concen: 5.420 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9

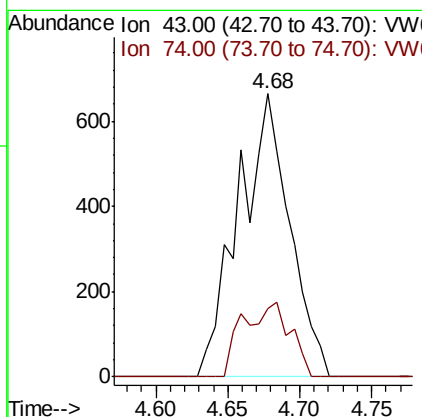
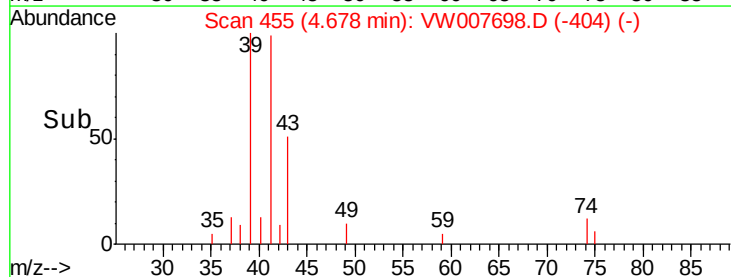
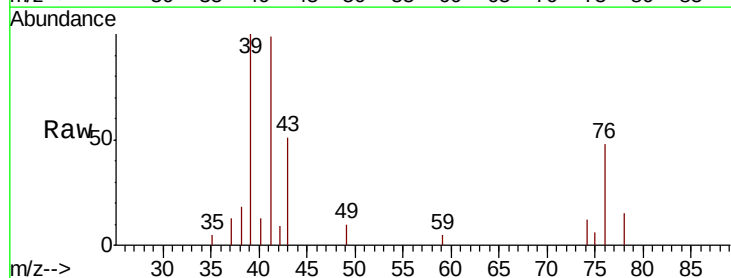
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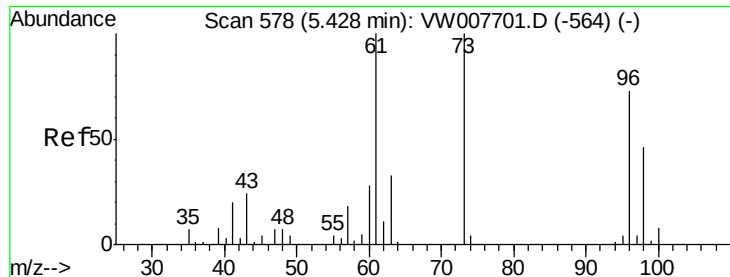
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#18
Methyl Acetate
Concen: 4.765 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	22.7	34.1





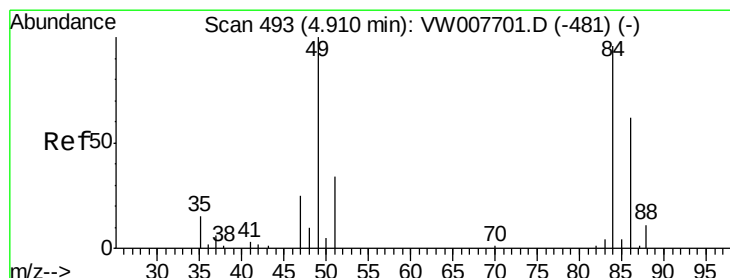
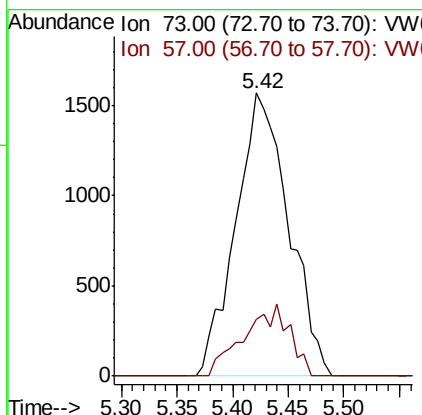
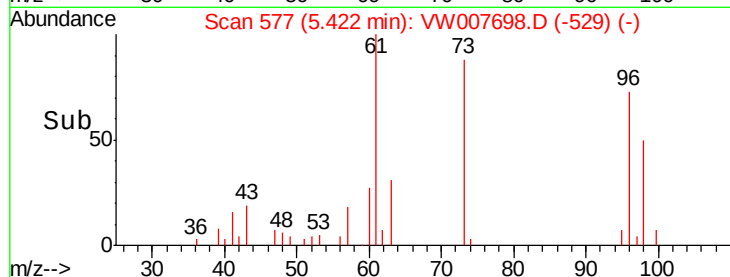
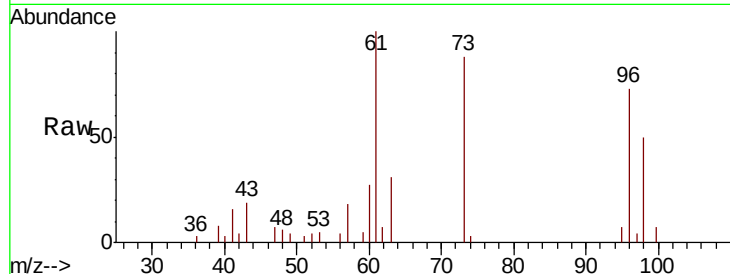
#19
Methyl tert-butyl Ether
Concen: 5.196 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 5186
Ion Ratio Lower Upper
73 100
57 20.0 14.7 22.1

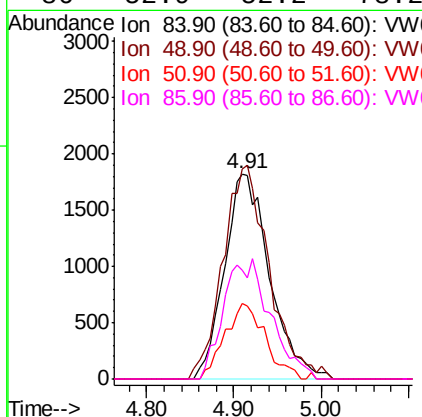
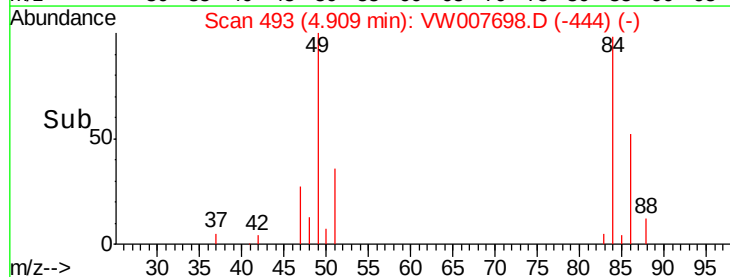
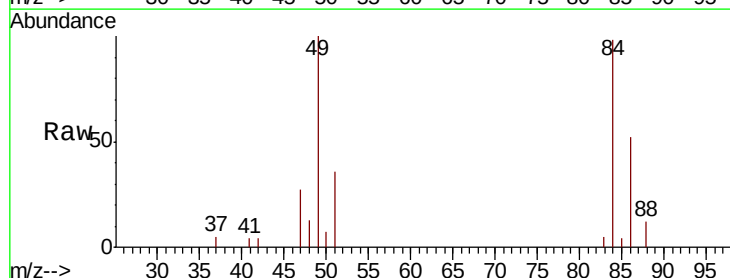
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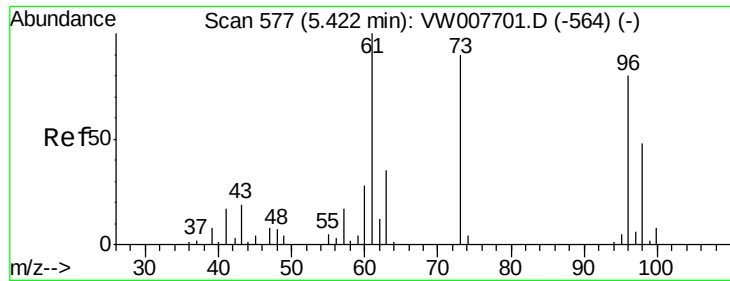
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#20
Methylene Chloride
Concen: 7.494 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion: 84 Resp: 6532
Ion Ratio Lower Upper
84 100
49 102.2 83.7 125.5
51 36.7 28.2 42.2
86 52.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 5.400 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 4129

Ion Ratio Lower Upper

96 100

61 109.2 100.1 150.1

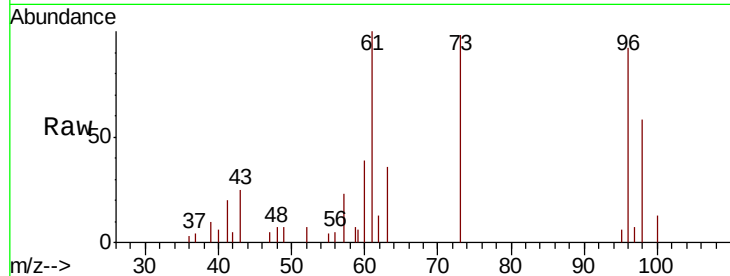
98 63.8 48.5 72.7

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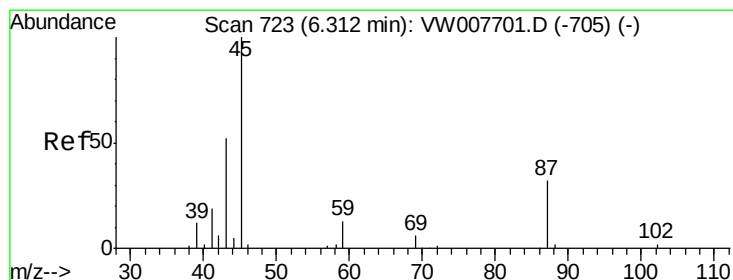
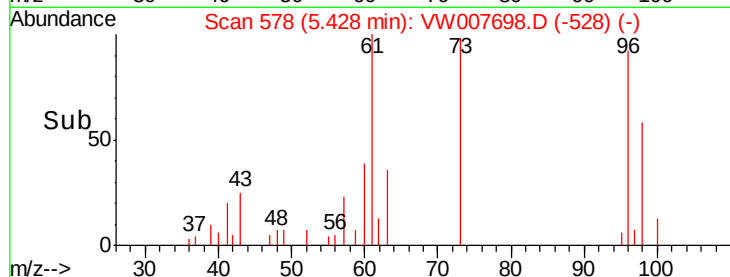
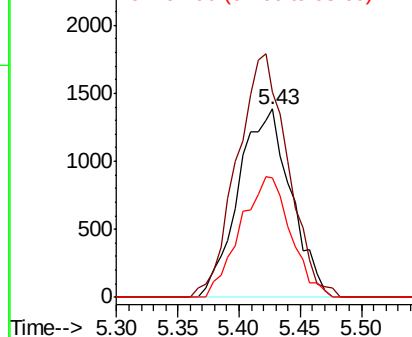


Abundance

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: 4.994 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Tgt Ion: 45 Resp: 8525

Ion Ratio Lower Upper

45 100

43 67.1 43.7 65.5#

87 31.4 26.6 40.0

59 13.0 10.2 15.2

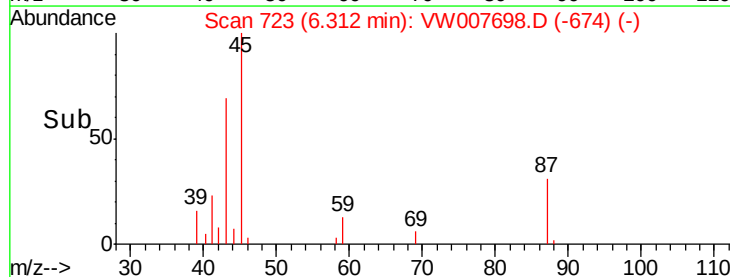
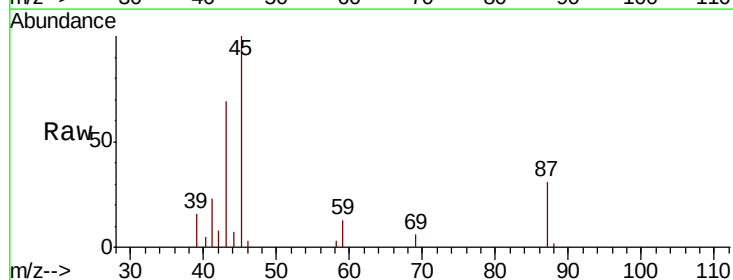
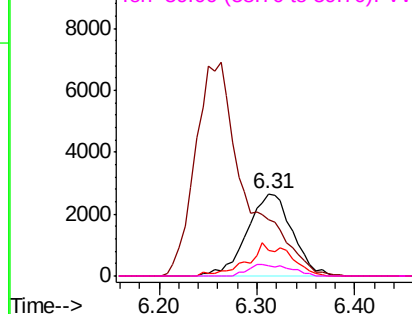
Abundance

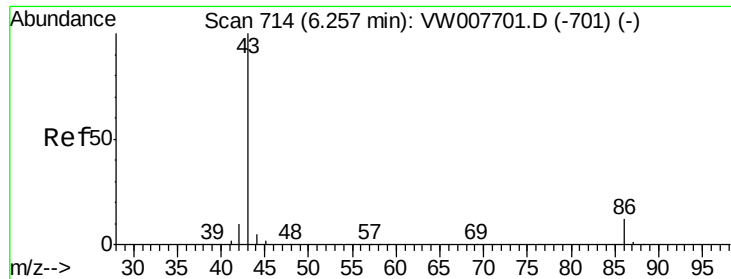
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 24.248 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24592

Ion Ratio Lower Upper

43 100

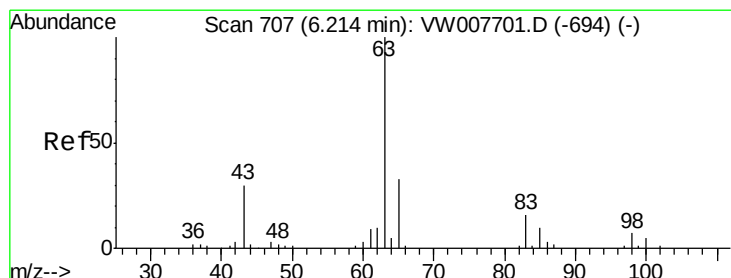
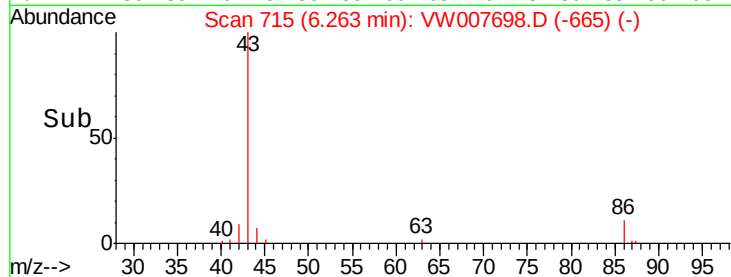
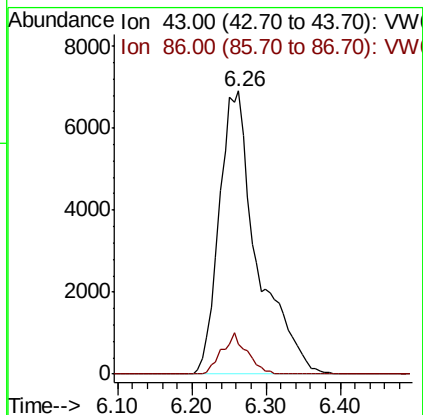
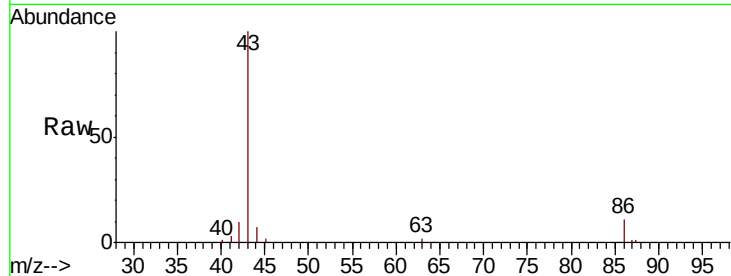
86 10.7 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 5.356 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

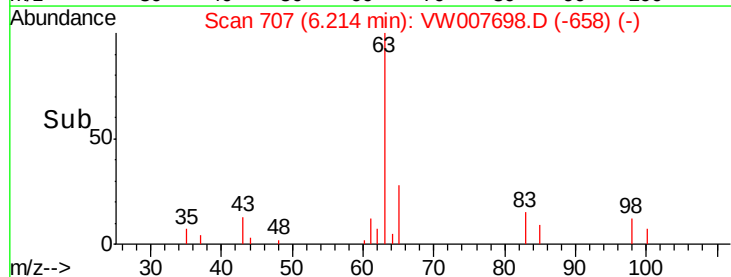
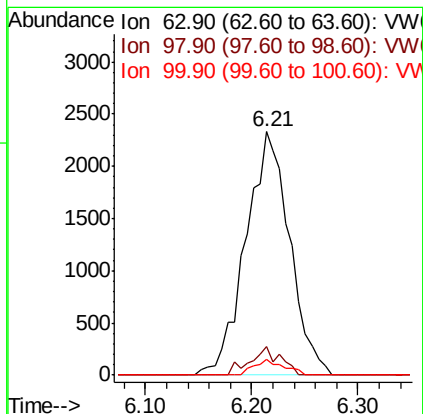
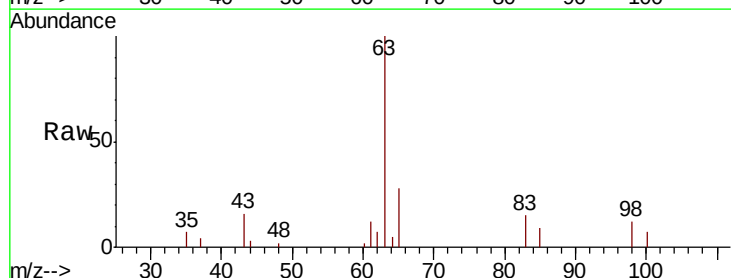
Tgt Ion: 63 Resp: 6726

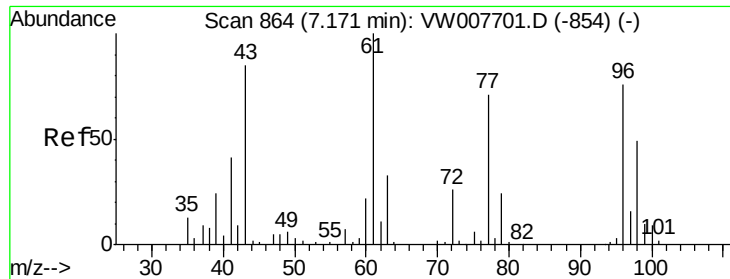
Ion Ratio Lower Upper

63 100

98 11.9 3.6 10.9#

100 6.5 2.5 7.5





#25

2-Butanone

Concen: 26.412 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 4474

Ion Ratio Lower Upper

43 100

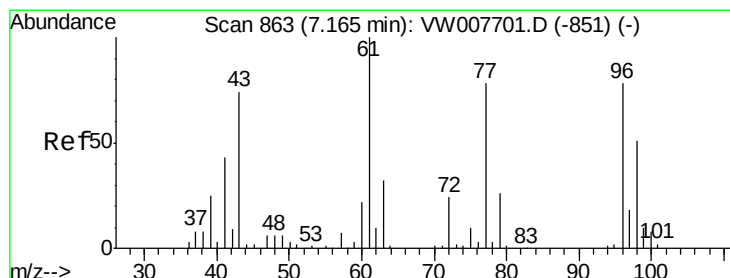
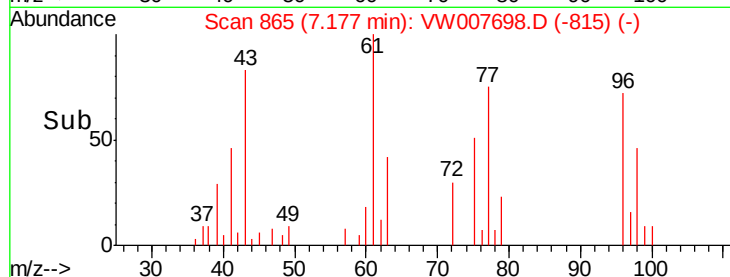
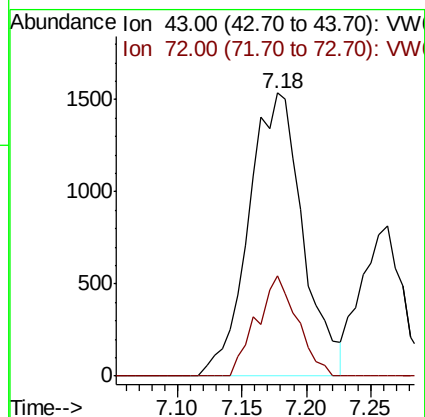
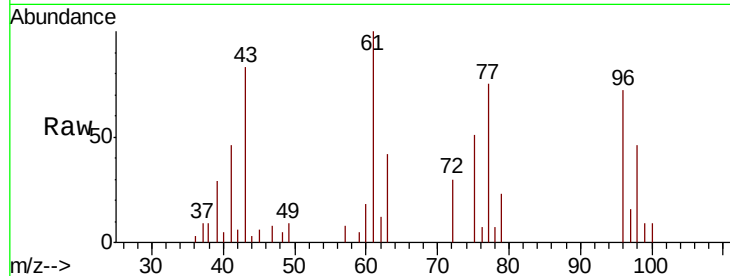
72 35.5 24.5 36.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.604 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007698.D

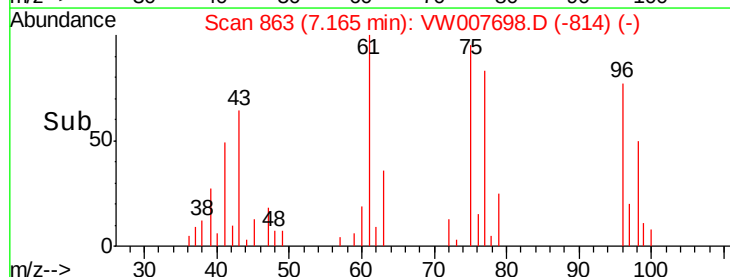
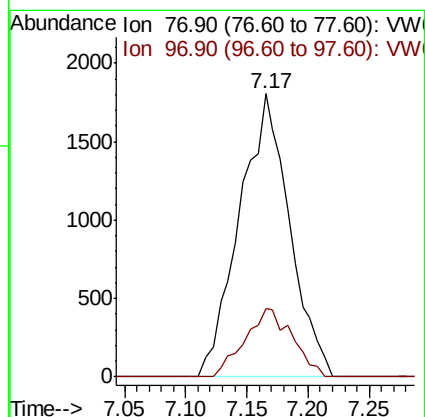
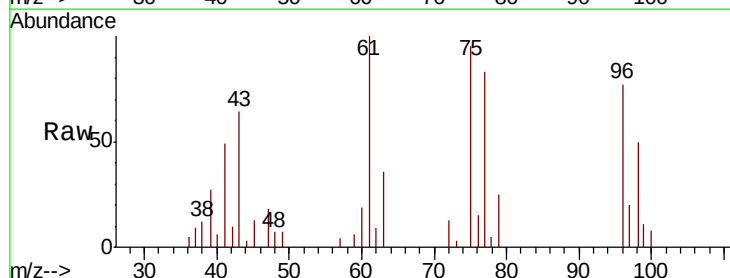
Acq: 19 Dec 2018 13:35

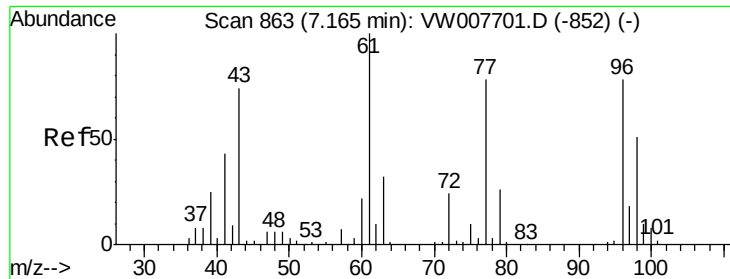
Tgt Ion: 77 Resp: 5150

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9





#27

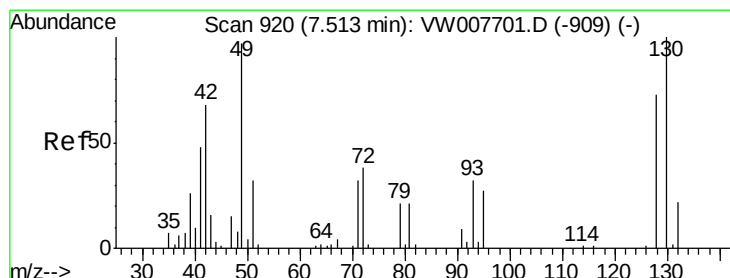
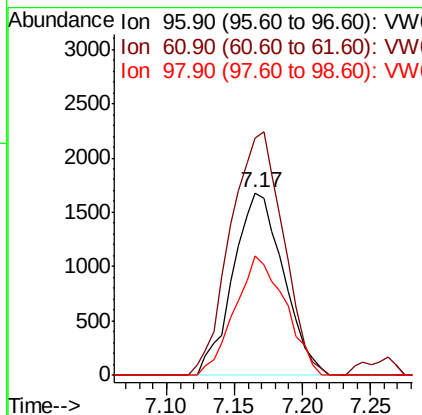
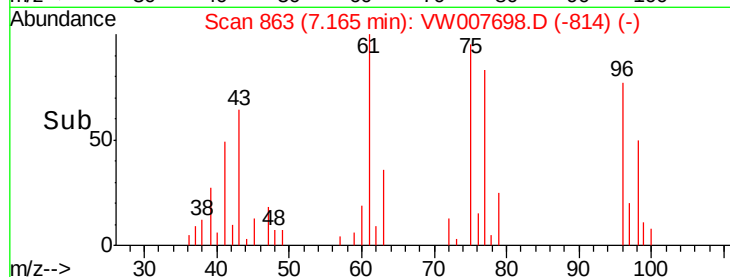
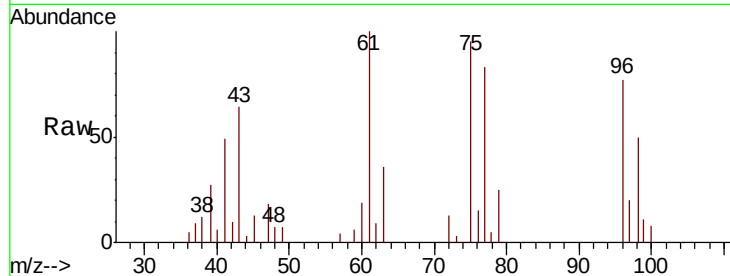
cis-1,2-Dichloroethene
Concen: 5.328 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	271.6
98	65.3	0.0	131.2

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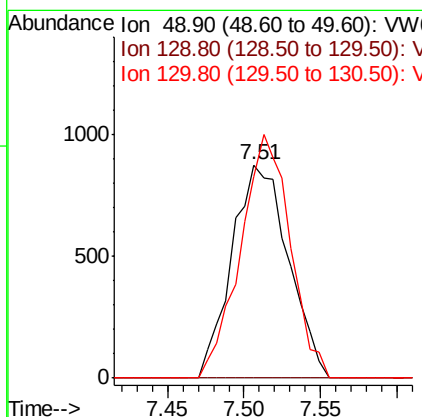
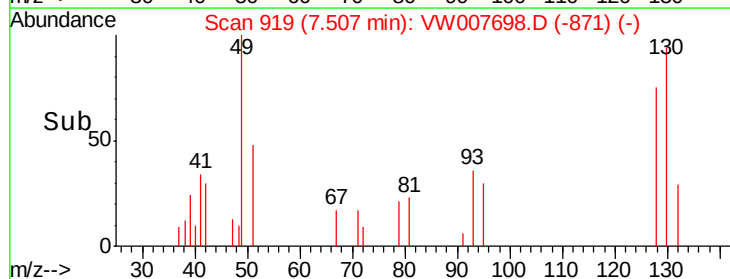
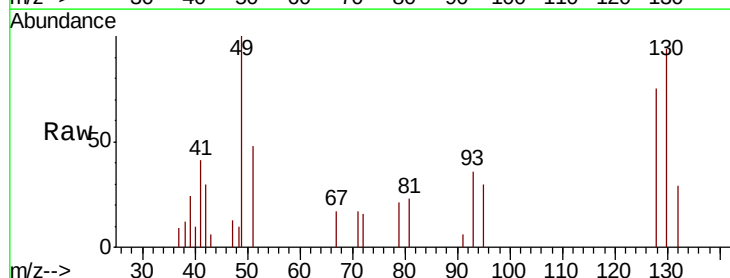
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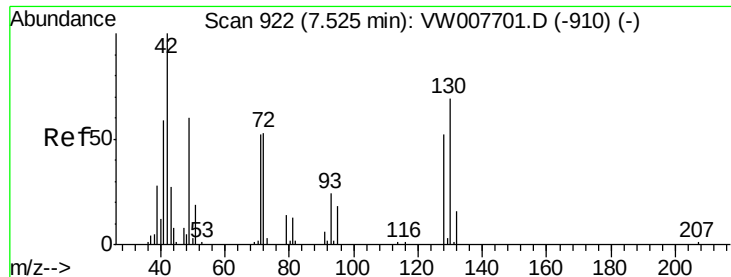


#28

Bromochloromethane
Concen: 5.250 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	100.4	81.5	122.3





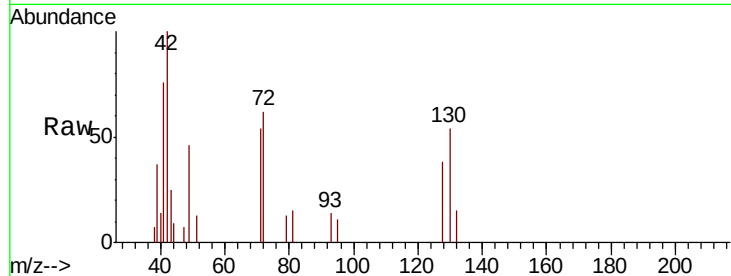
#29
Tetrahydrofuran
Concen: 23.645 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

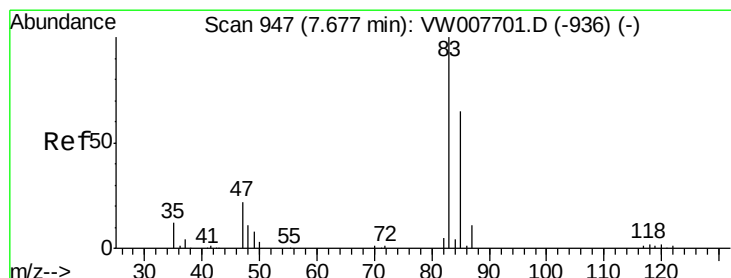
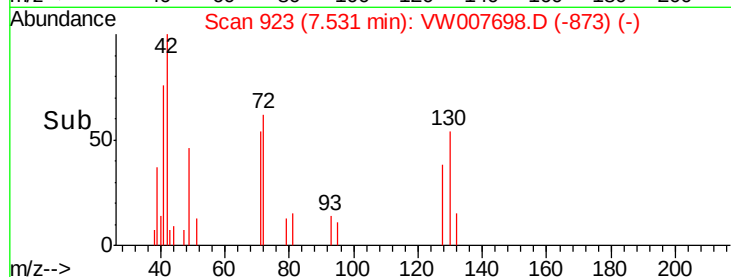
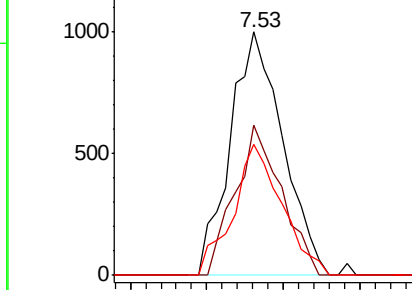
Tot Ion	Ratio	Lower	Upper
42	100		
72	54.4	41.7	62.5
71	49.9	39.0	58.6

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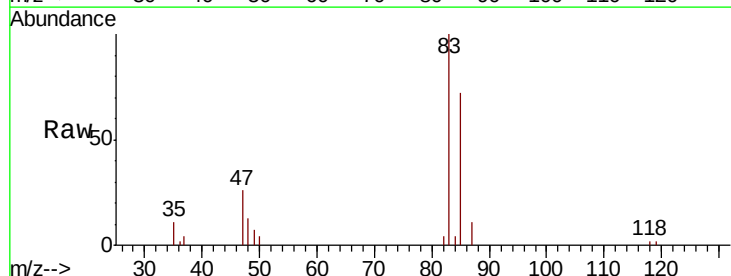


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

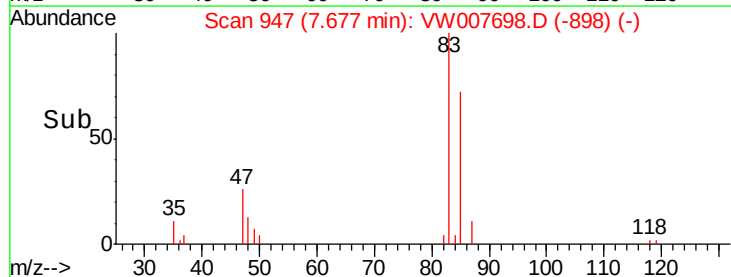
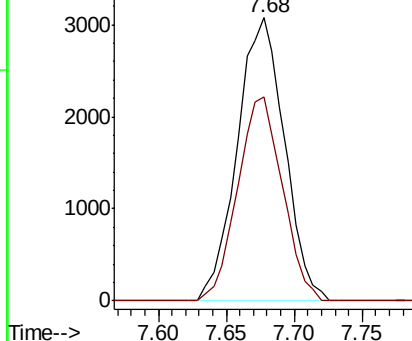


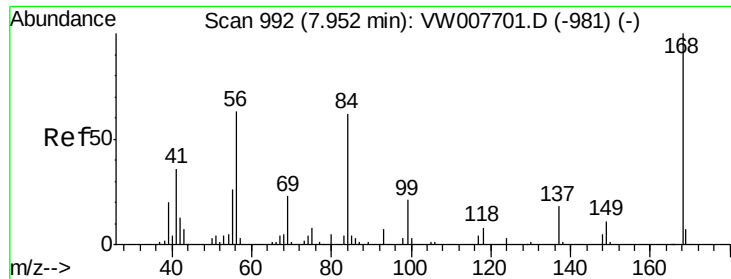
#30
Chloroform
Concen: 5.248 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.0	52.2	78.2



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





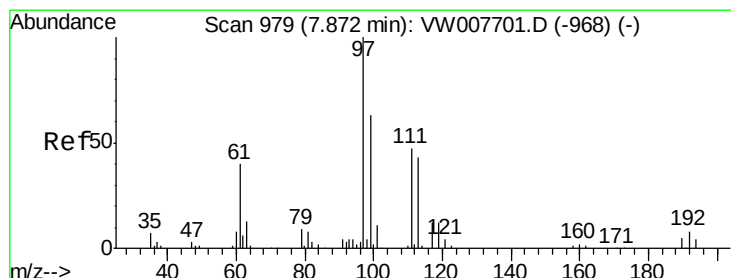
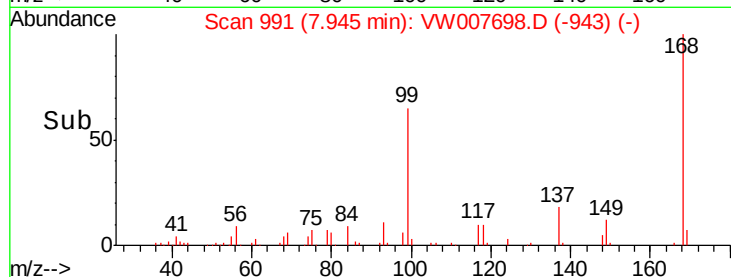
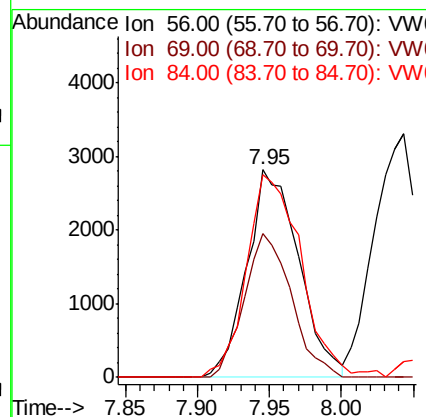
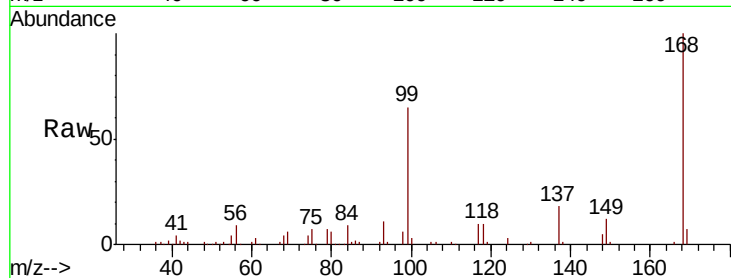
#31
Cyclohexane
Concen: 6.127 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	69.3	29.7	44.5#
84	97.7	78.9	118.3

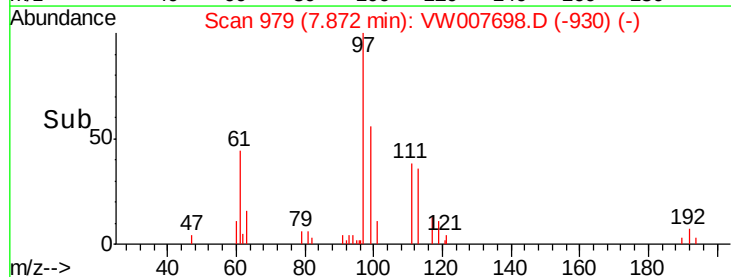
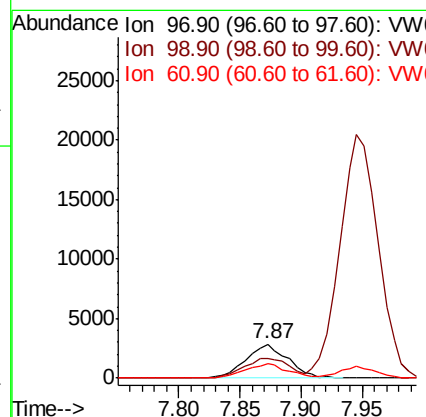
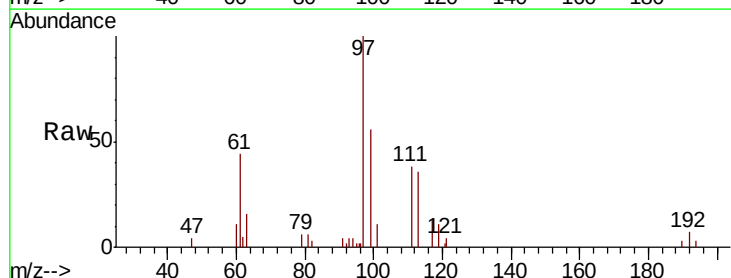
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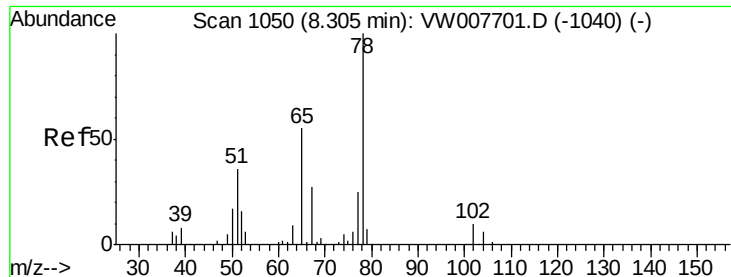
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#32
1,1,1-Trichloroethane
Concen: 5.224 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	43.4	32.3	48.5





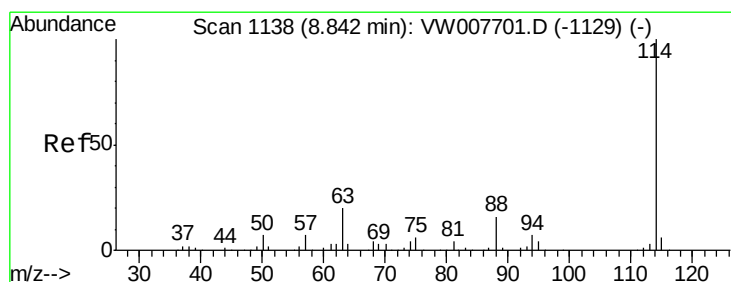
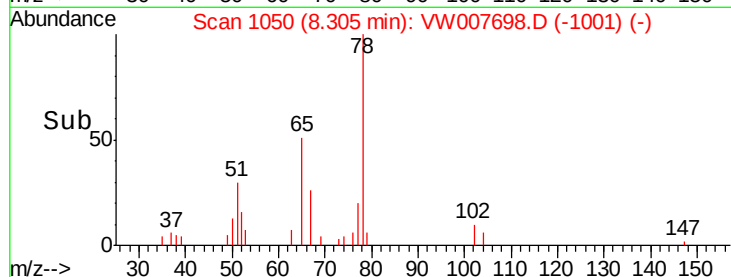
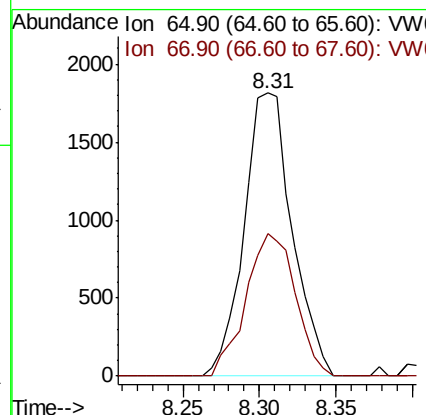
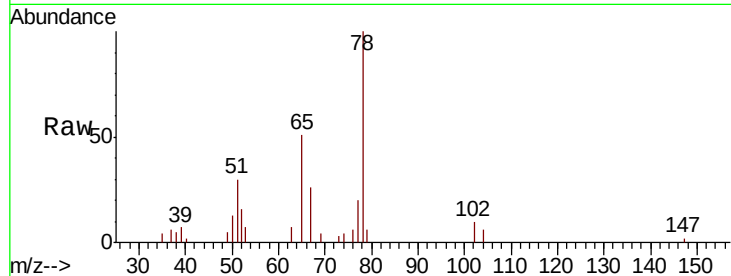
#33
 1,2-Dichloroethane-d4
 Concen: 5.133 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	100.6

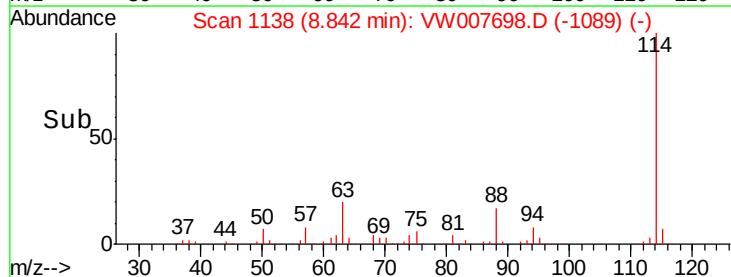
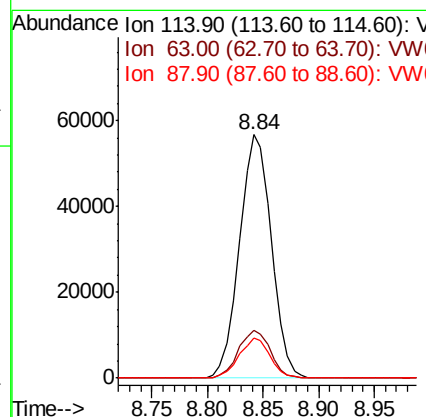
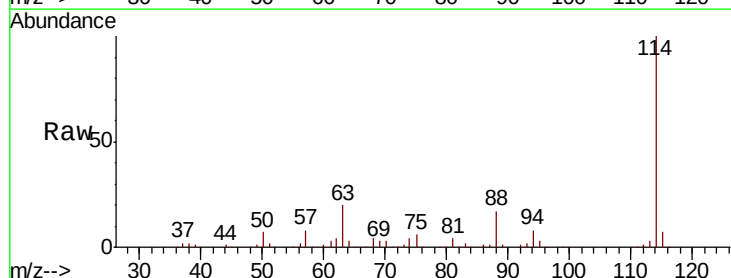
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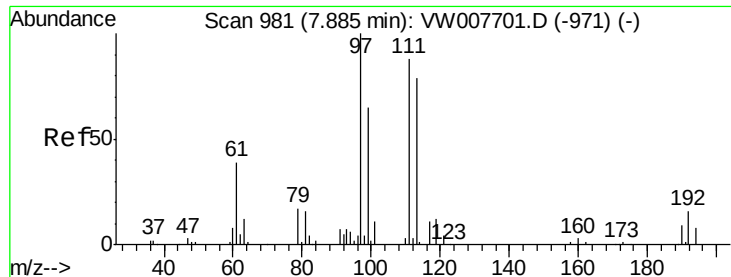
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	16.5	0.0	32.6





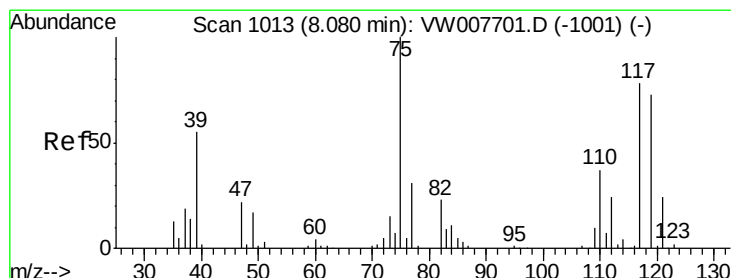
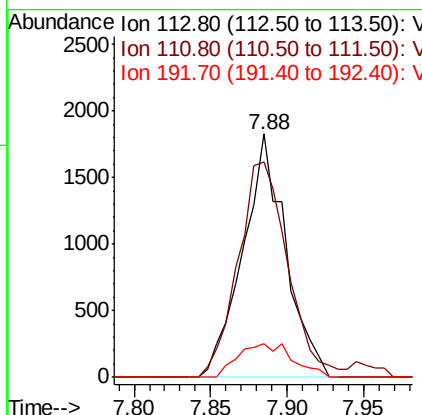
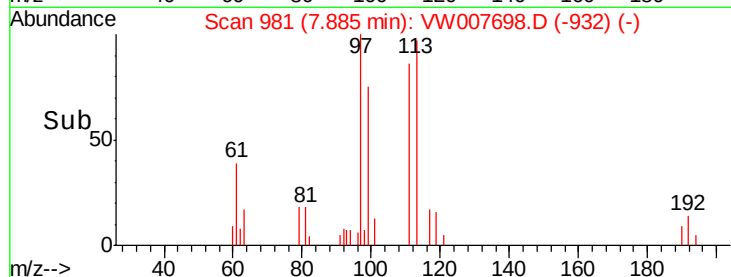
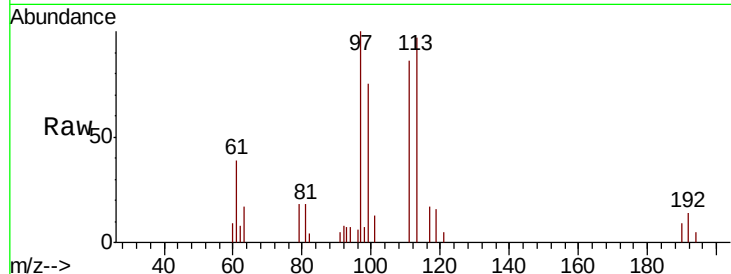
#35
 Dibromofluoromethane
 Concen: 5.195 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	124.0
192	17.8	15.5	23.3

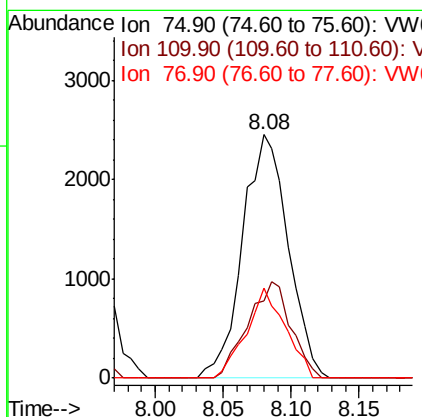
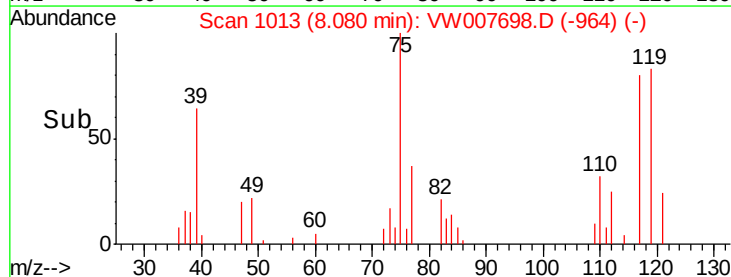
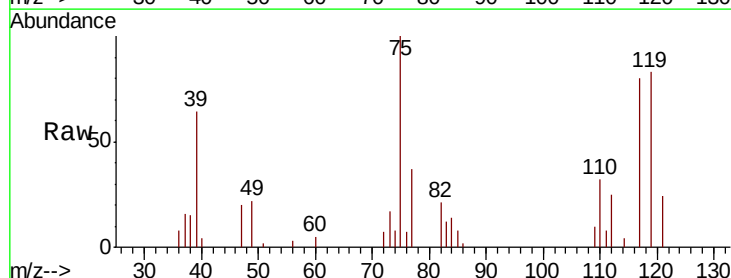
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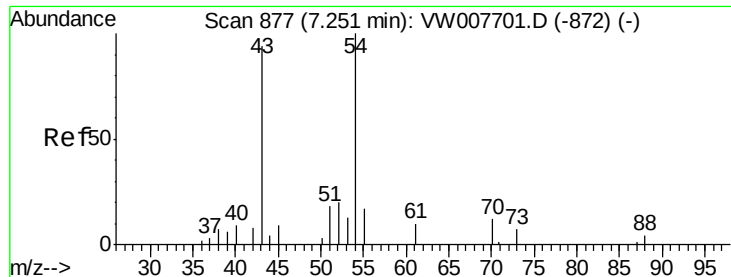
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#36
 1,1-Dichloropropene
 Concen: 5.309 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.6	55.8
77	31.5	25.0	37.4





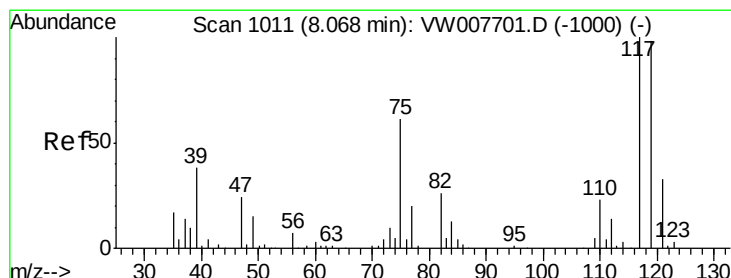
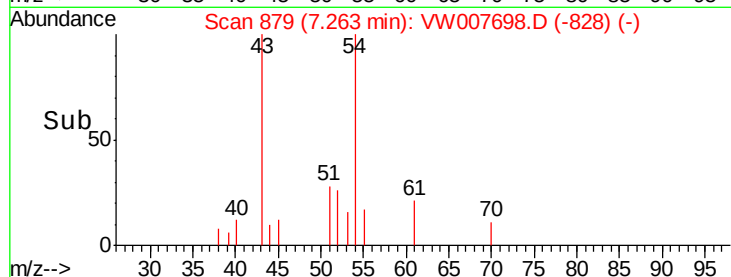
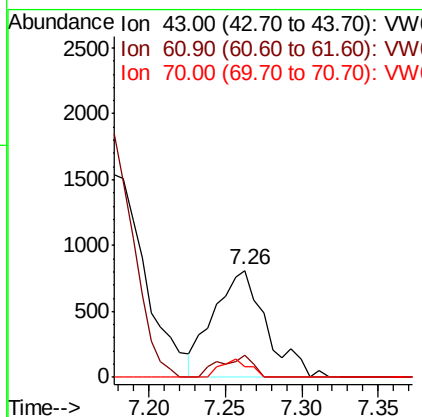
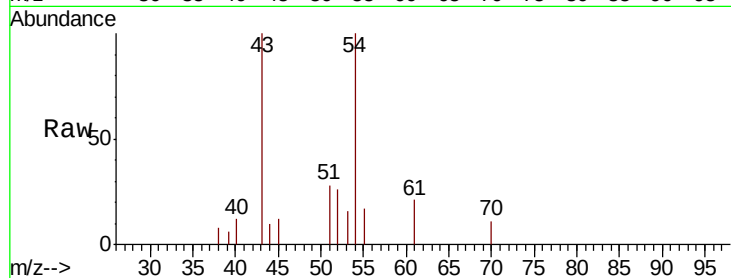
#37
Ethyl Acetate
Concen: 5.151 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.2	16.8
70	9.2	9.3	13.9

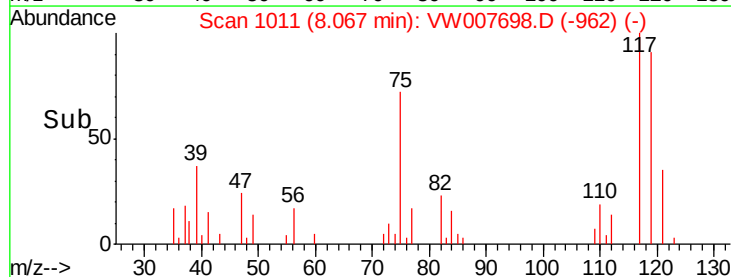
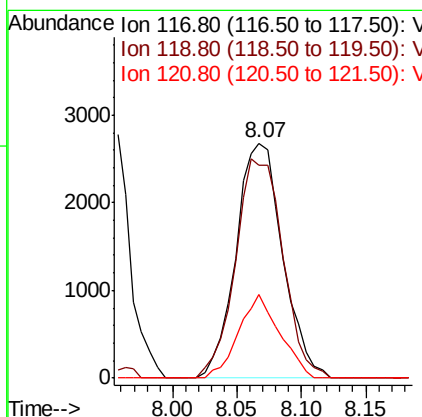
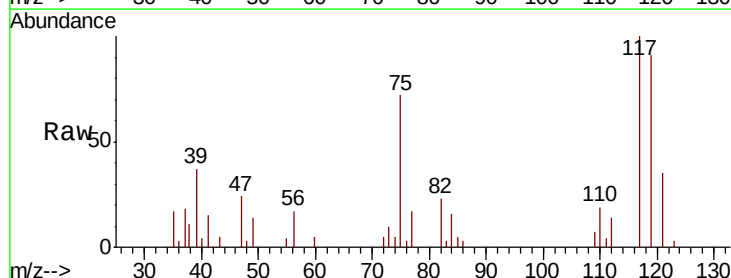
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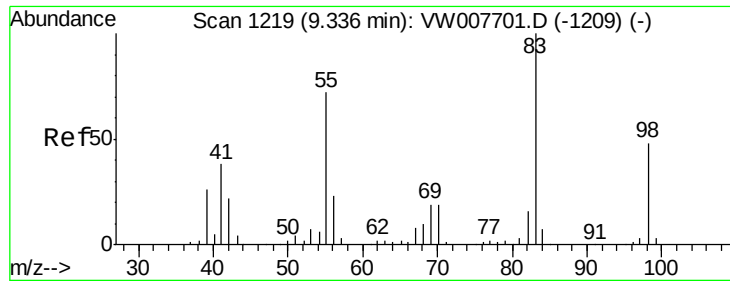
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#38
Carbon Tetrachloride
Concen: 5.260 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	78.2	117.2
121	35.4	26.1	39.1





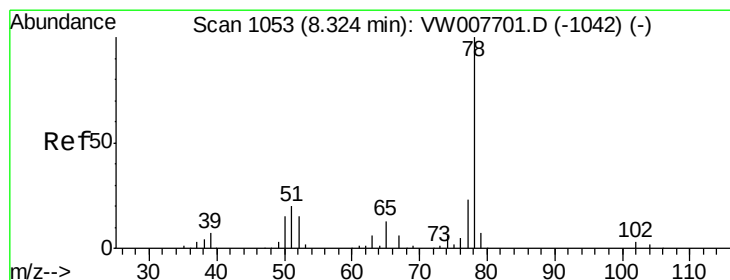
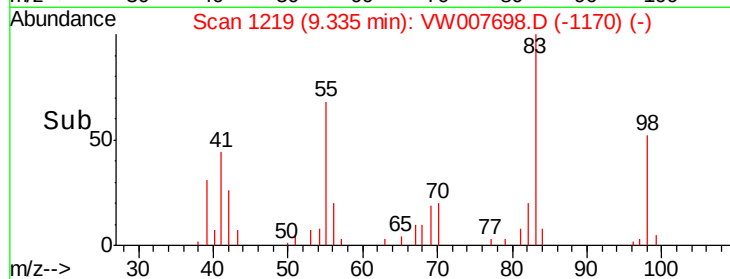
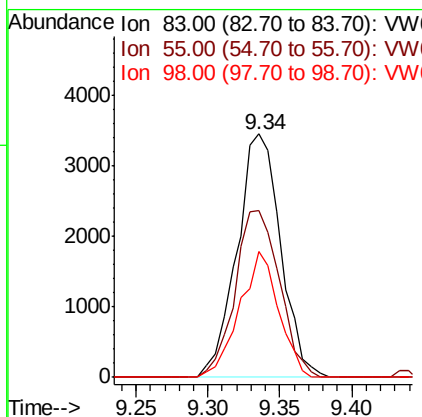
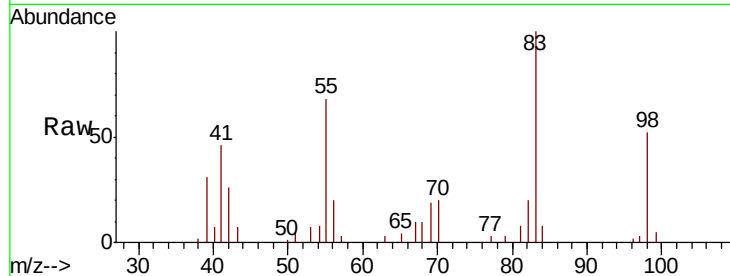
#39
Methylvlcyclohexane
Concen: 5.376 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	57.2	85.8
98	51.9	38.6	58.0

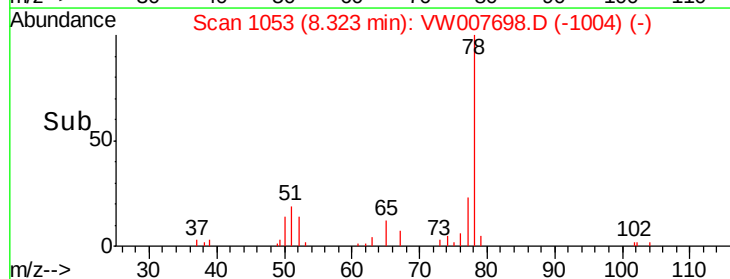
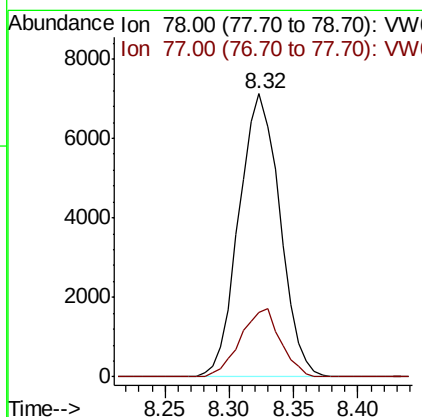
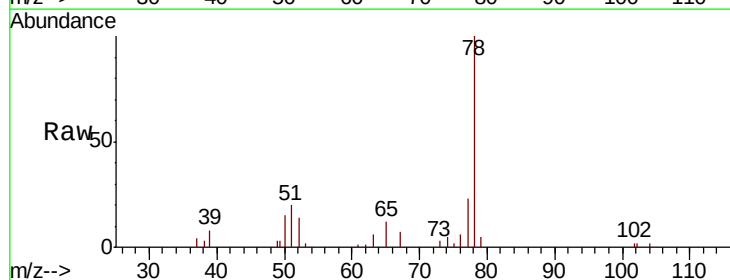
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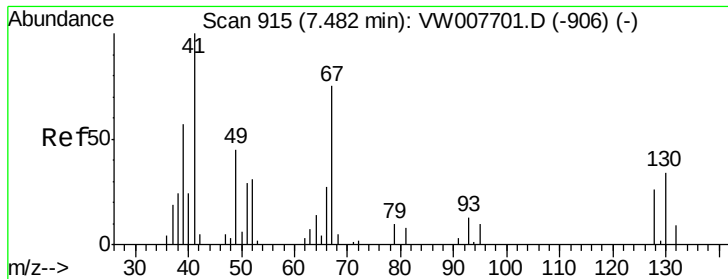
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#40
Benzene
Concen: 5.437 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.7	28.1





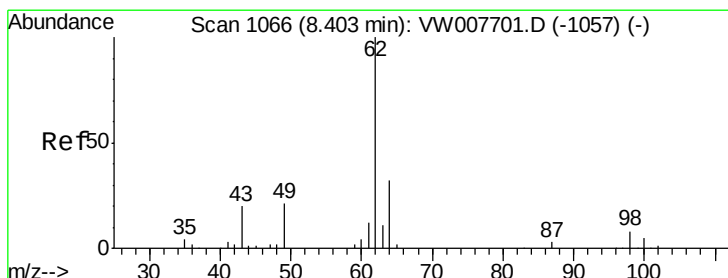
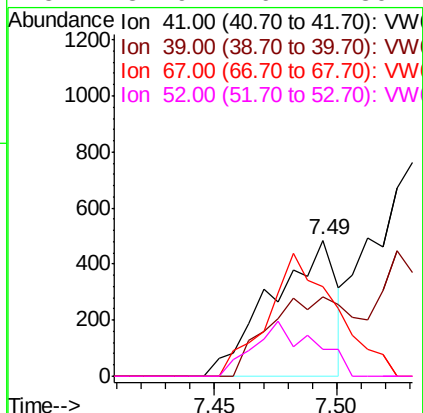
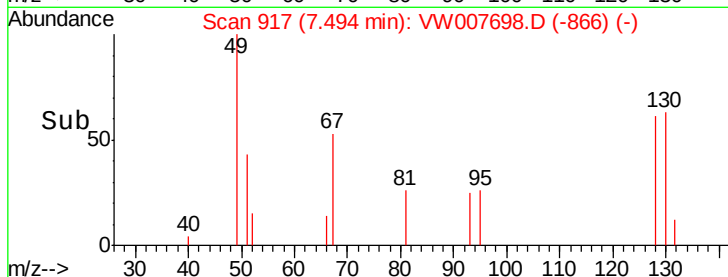
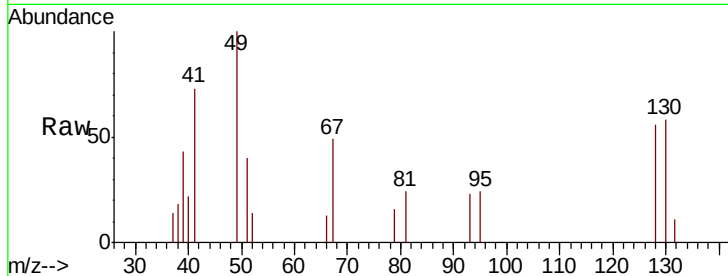
#41
Methacrylonitrile
Concen: 4.207 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC005

Tot Ion:	41	Resp:	894
Ion	Ratio	Lower	Upper
41	100		
39	80.2	54.2	81.4
67	95.6	65.7	98.5
52	37.9	26.2	39.4

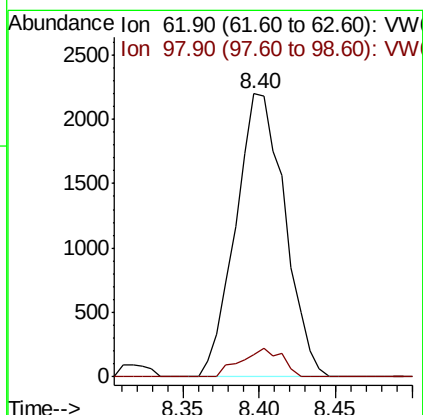
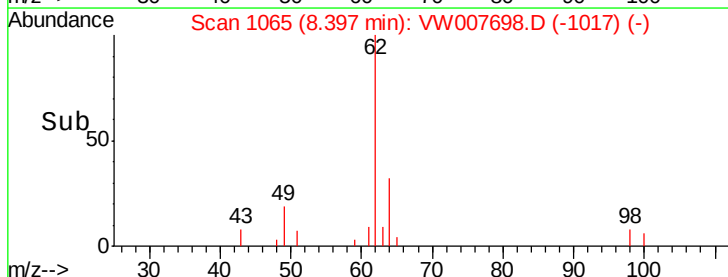
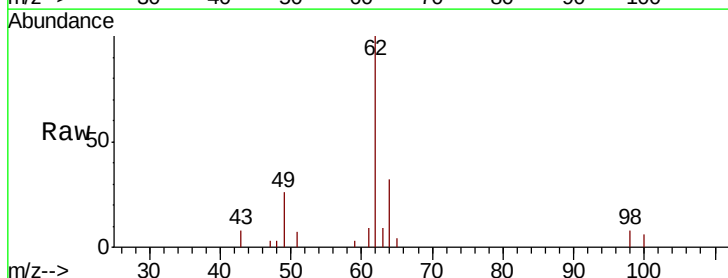
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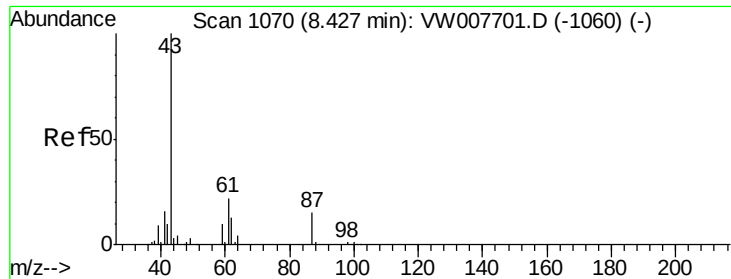
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#42
1,2-Dichloroethane
Concen: 5.045 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion:	62	Resp:	4893
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 5.045 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

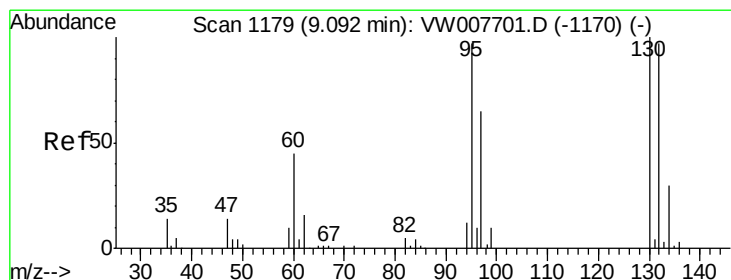
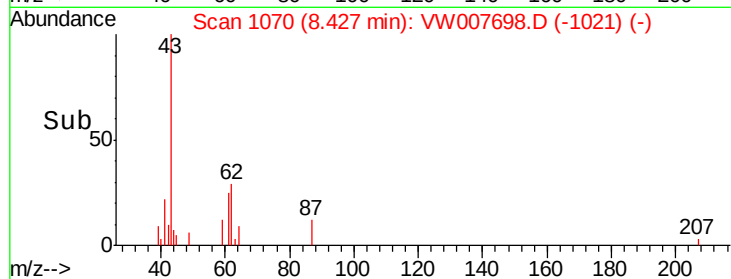
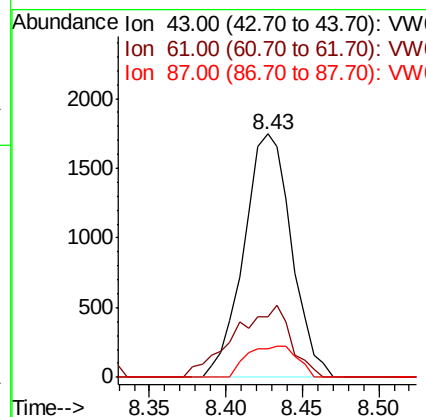
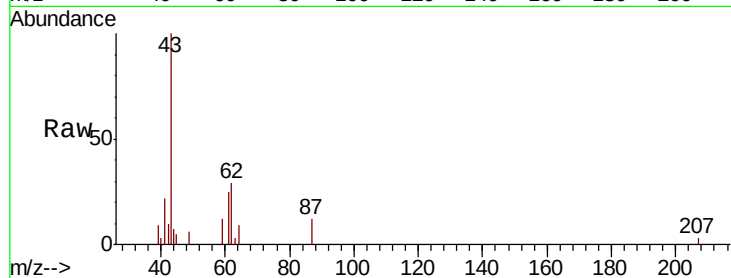
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	3783
Ion	Ratio	Lower	Upper
43	100		
61	35.3	26.3	39.5
87	13.6	12.0	18.0

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#44

Trichloroethene

Concen: 5.553 ug/l

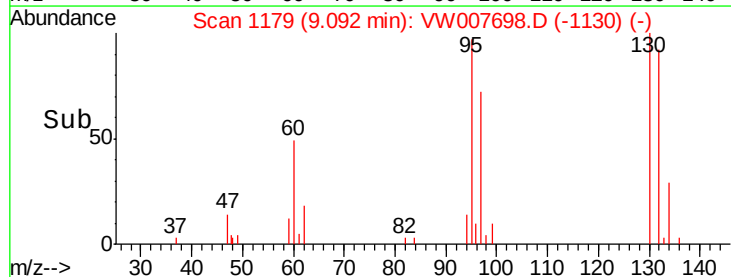
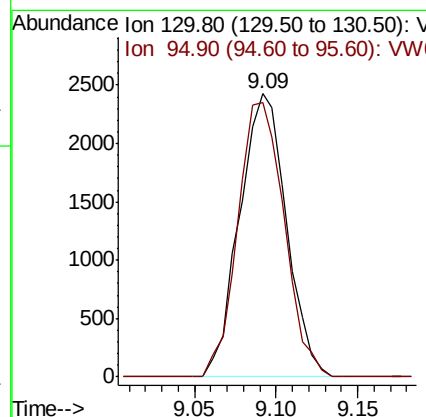
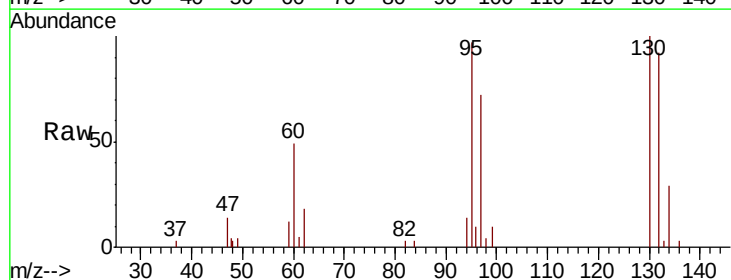
RT: 9.09 min Scan# 1179

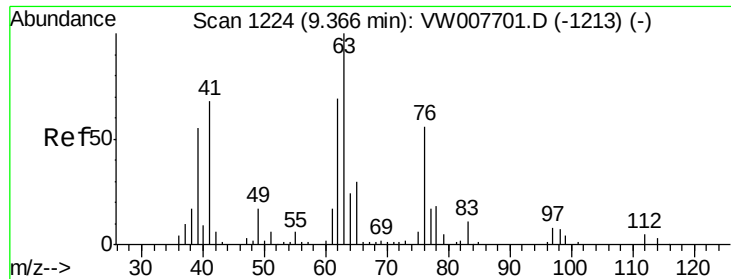
Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Tgt Ion:	130	Resp:	4860
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	194.8





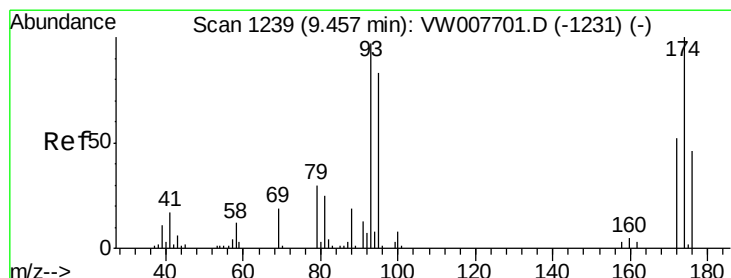
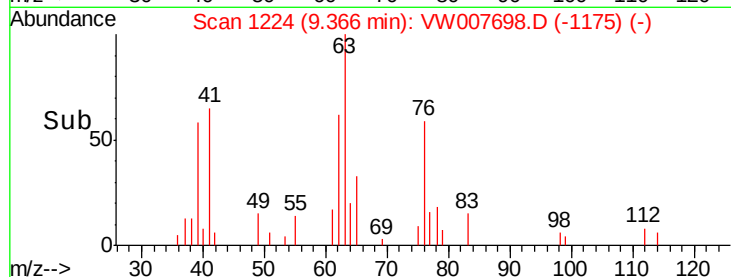
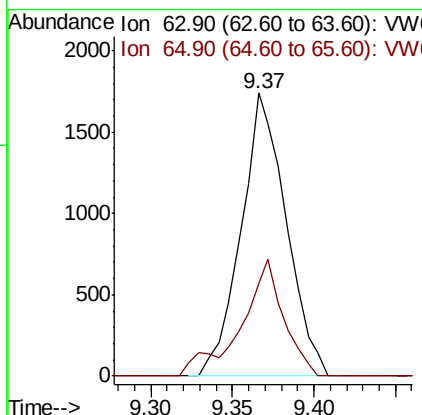
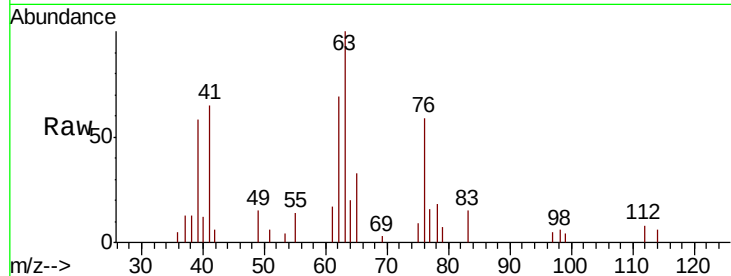
#45
 1,2-Dichloropropane
 Concen: 5.201 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 3340
 Ion Ratio Lower Upper
 63 100
 65 32.7 23.8 35.8

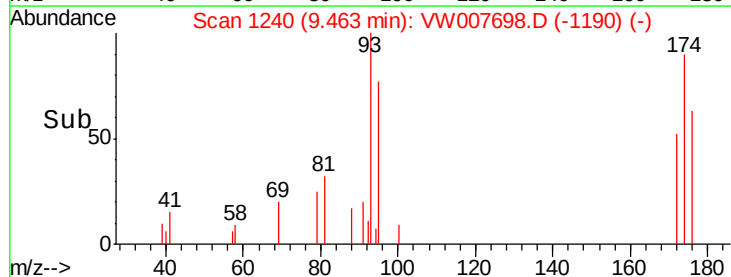
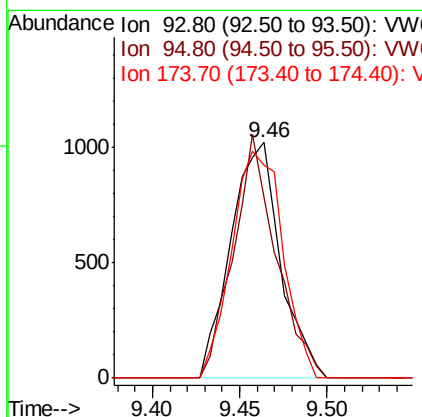
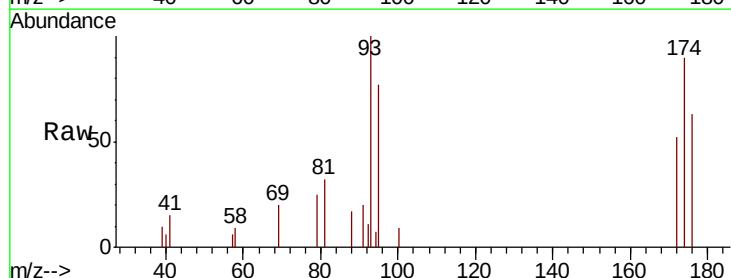
Manual Integrations
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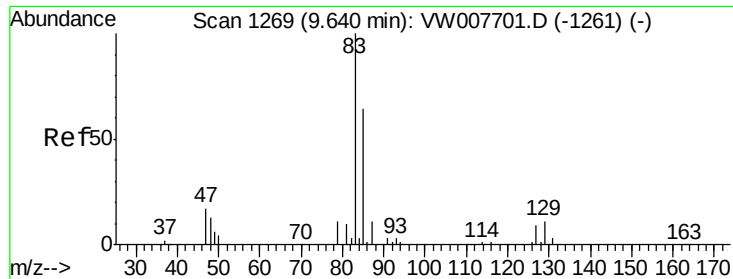
apatel
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#46
 Dibromomethane
 Concen: 5.108 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion: 93 Resp: 2019
 Ion Ratio Lower Upper
 93 100
 95 88.2 67.5 101.3
 174 99.2 83.9 125.9





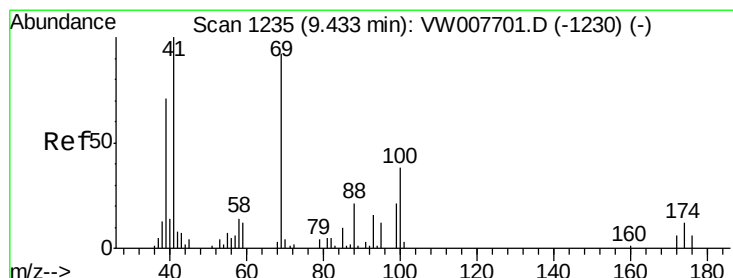
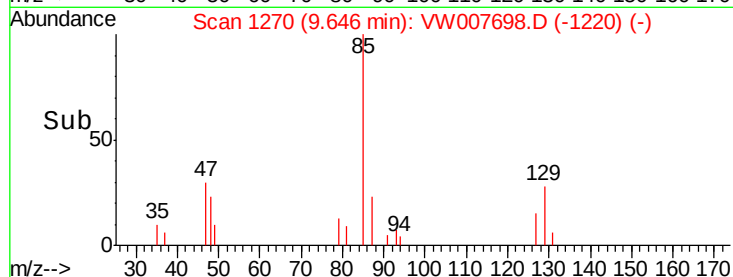
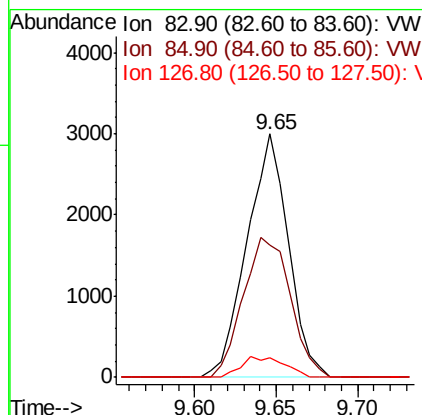
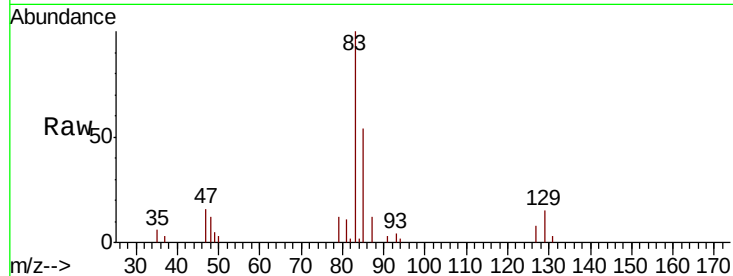
#47
Bromodichloromethane
Concen: 5.104 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	83	Resp:	5304
Ion	Ratio	Lower	Upper
83	100		
85	54.1	51.4	77.0
127	8.0	7.5	11.3

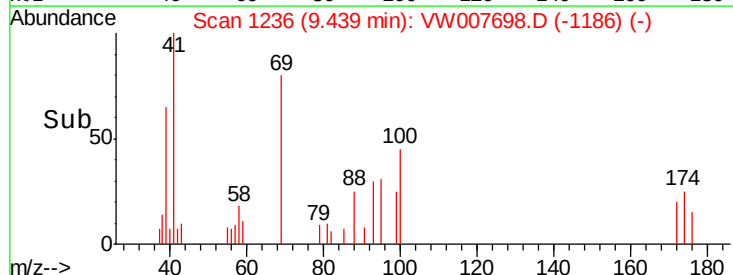
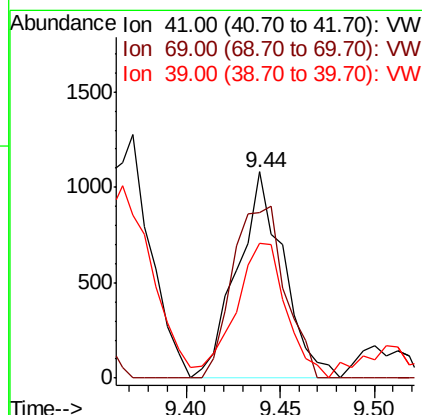
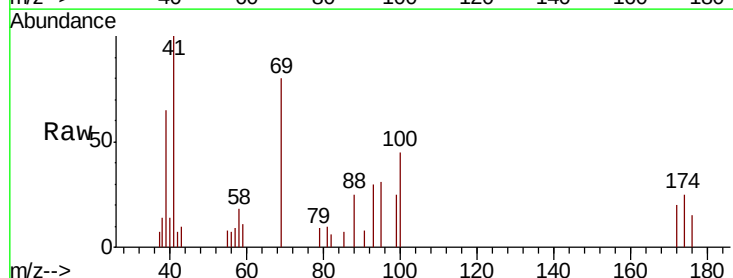
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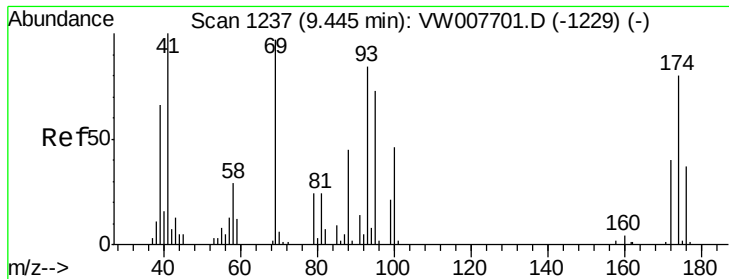
apatel
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#48
Methyl methacrylate
Concen: 4.943 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion:	41	Resp:	1850
Ion	Ratio	Lower	Upper
41	100		
69	94.3	74.2	111.2
39	70.8	53.9	80.9





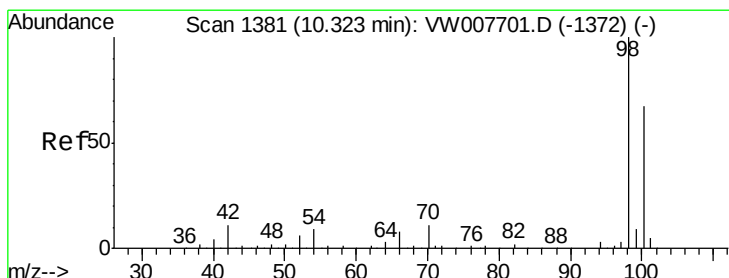
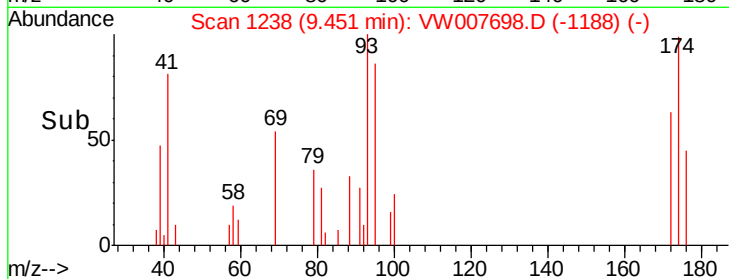
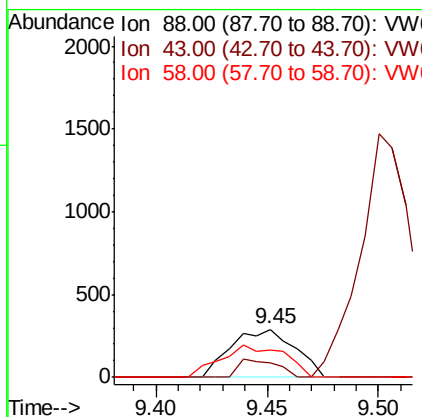
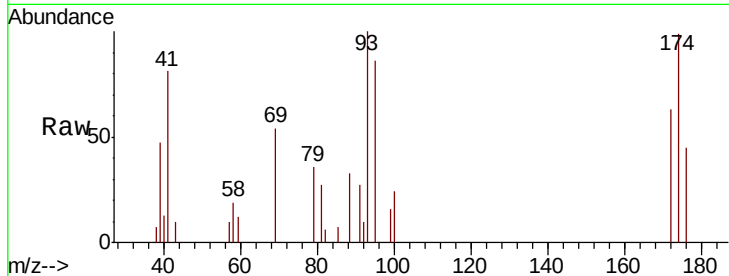
#49
 1,4-Dioxane
 Concen: 91.750 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	22.8	25.6	38.4#
58	68.0	52.3	78.5

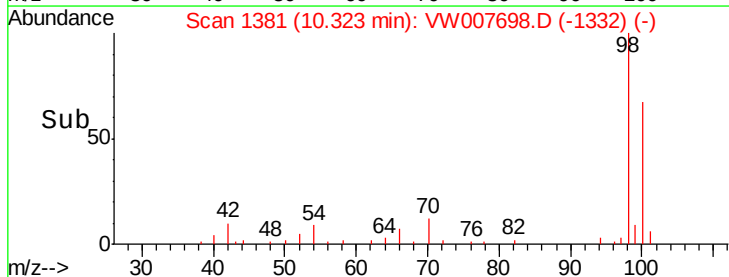
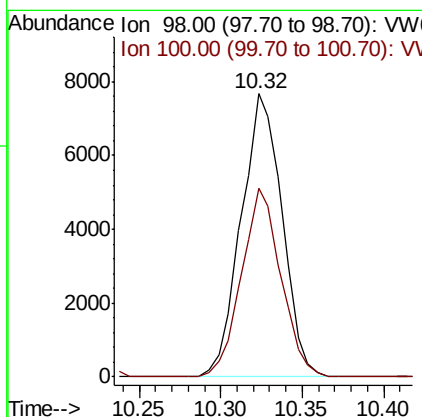
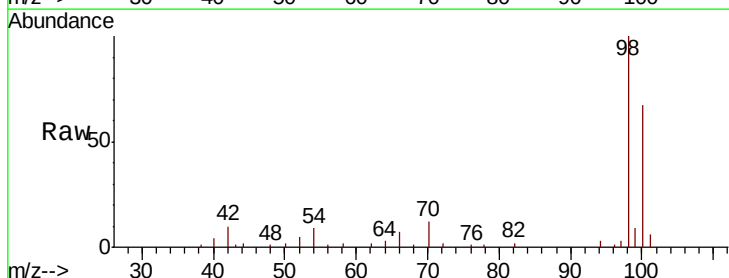
Manual Integrations
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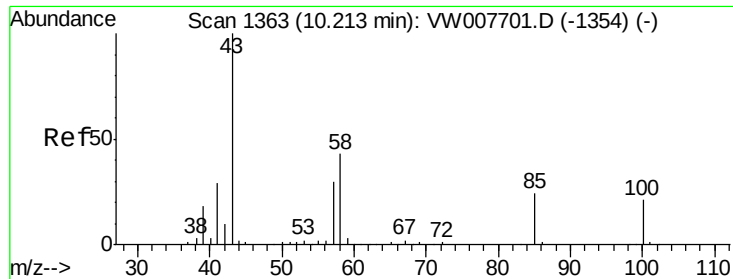
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#50
 Toluene-d8
 Concen: 5.189 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.2





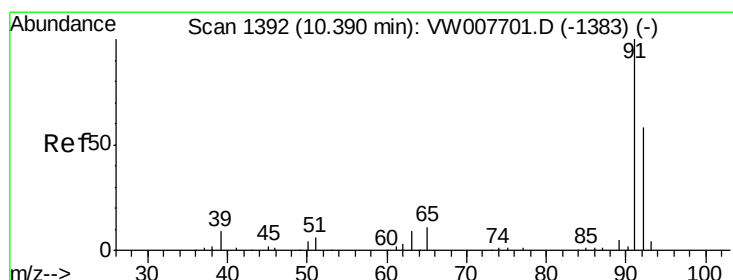
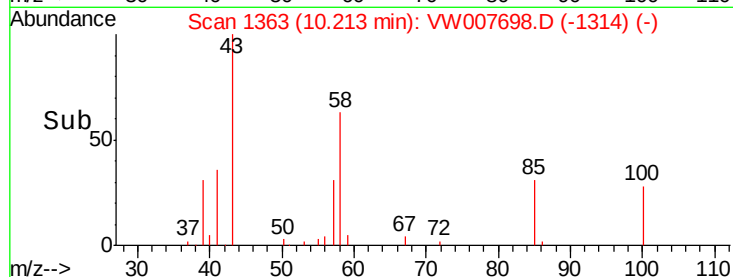
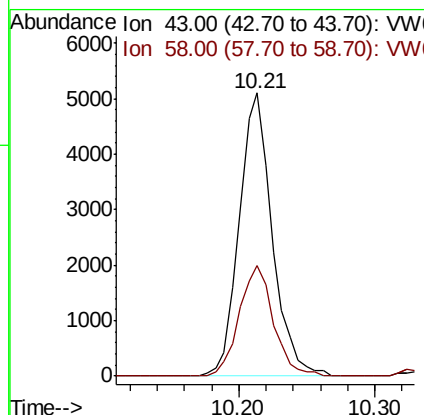
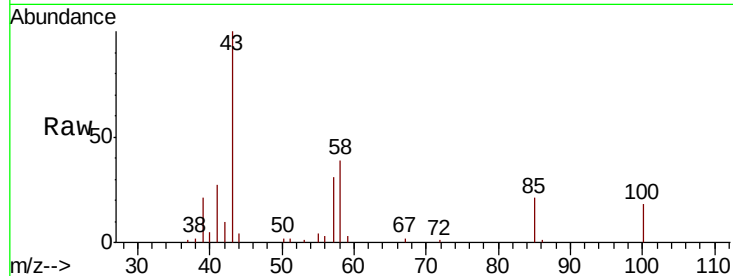
#51
4-Methyl-2-Pentanone
Concen: 24.367 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 8635
Ion Ratio Lower Upper
43 100
58 40.4 33.2 49.8

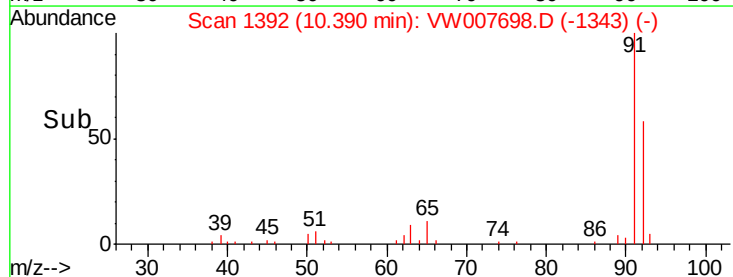
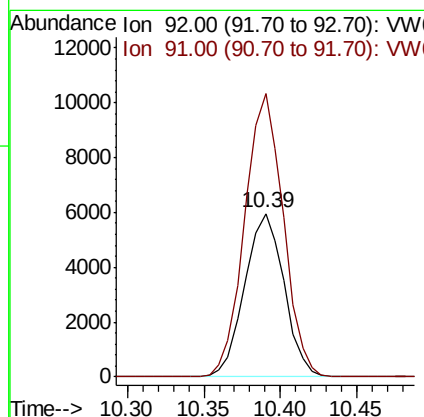
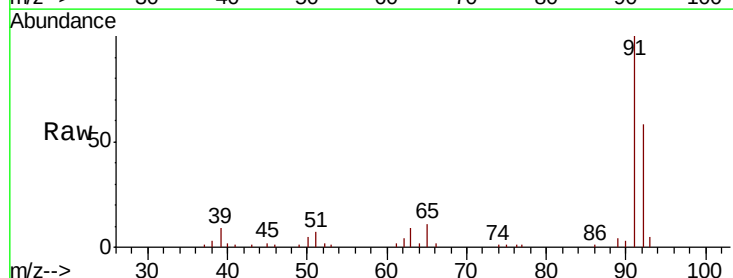
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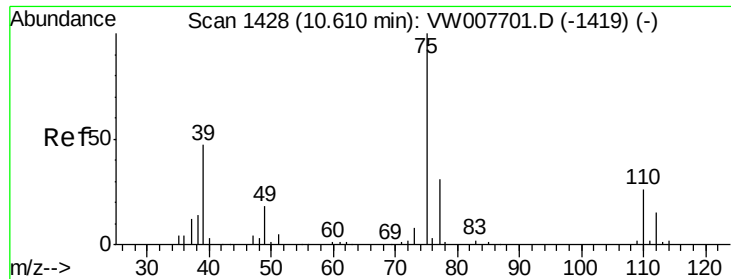
apatel
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#52
Toluene
Concen: 5.471 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion: 92 Resp: 10623
Ion Ratio Lower Upper
92 100
91 170.4 137.0 205.4





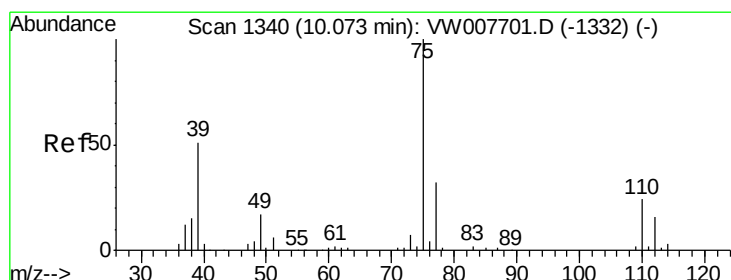
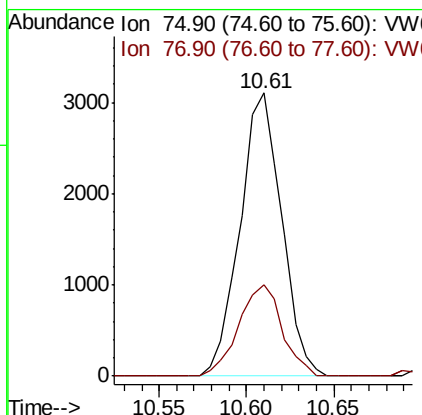
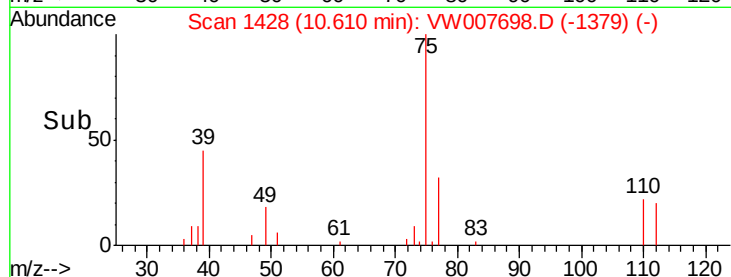
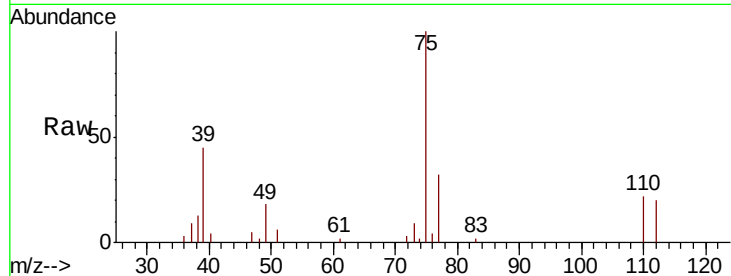
#53
t-1,3-Dichloropropene
Concen: 4.970 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 5137
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8

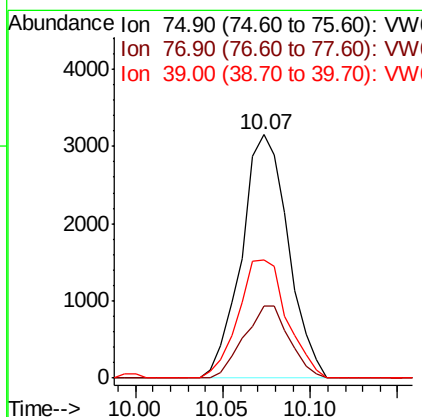
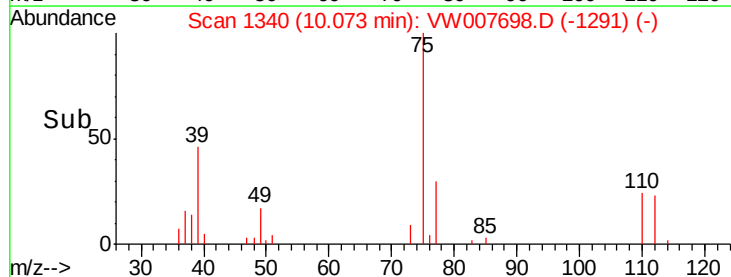
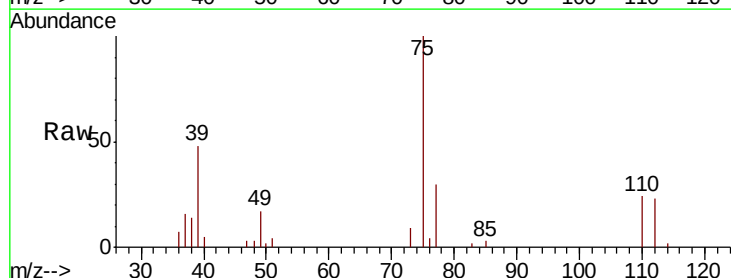
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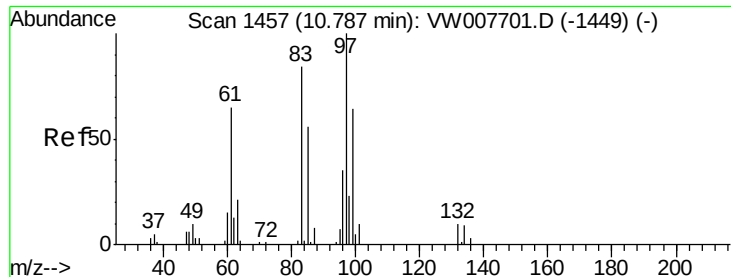
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#54
cis-1,3-Dichloropropene
Concen: 5.136 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion: 75 Resp: 5864
Ion Ratio Lower Upper
75 100
77 29.6 25.5 38.3
39 48.3 41.2 61.8





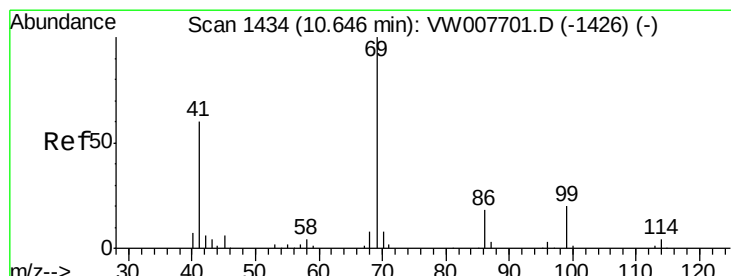
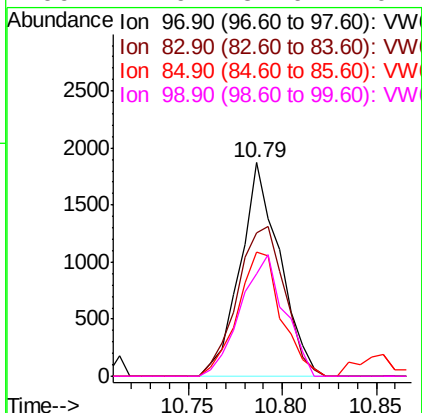
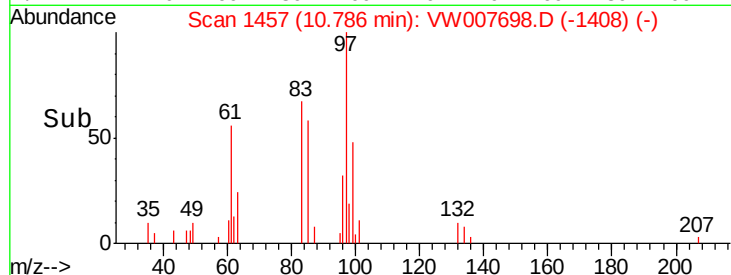
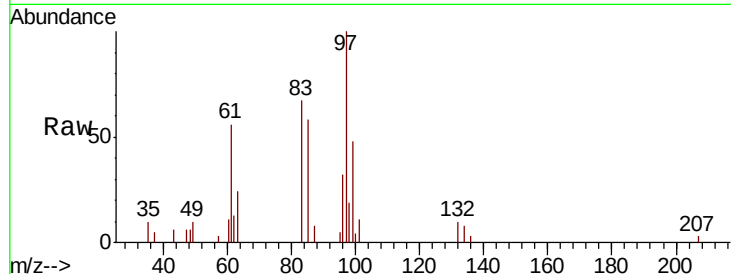
#55
 1,1,2-Trichloroethane
 Concen: 5.021 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	2736
Ion	Ratio	Lower	Upper
97	100		
83	66.9	67.5	101.3#
85	58.0	44.8	67.2
99	47.9	51.0	76.4#

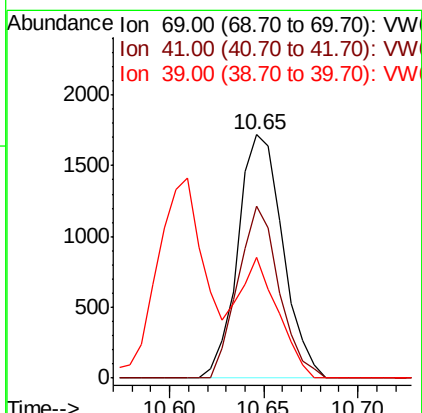
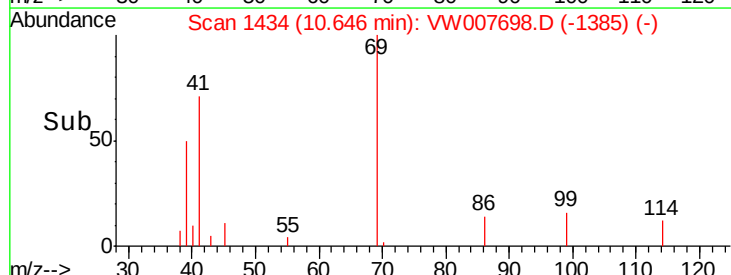
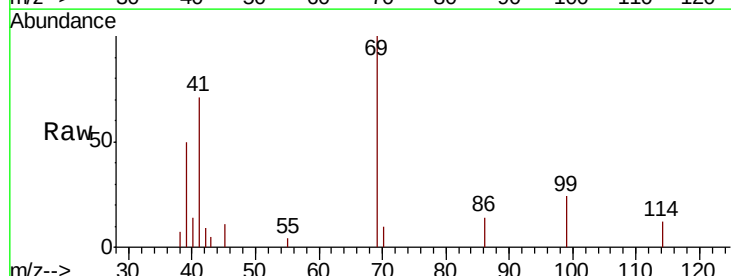
Manual Integrations
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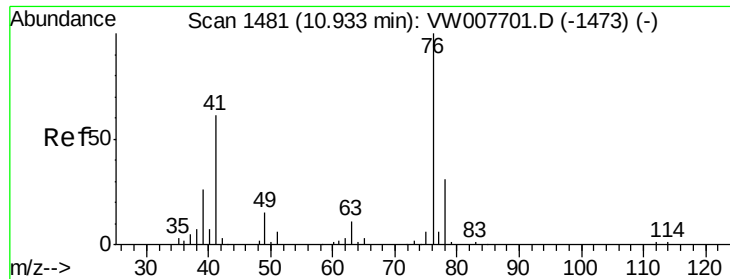
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#56
 Ethyl methacrylate
 Concen: 4.403 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion:	69	Resp:	2835
Ion	Ratio	Lower	Upper
69	100		
41	65.2	48.9	73.3
39	44.8	31.3	46.9





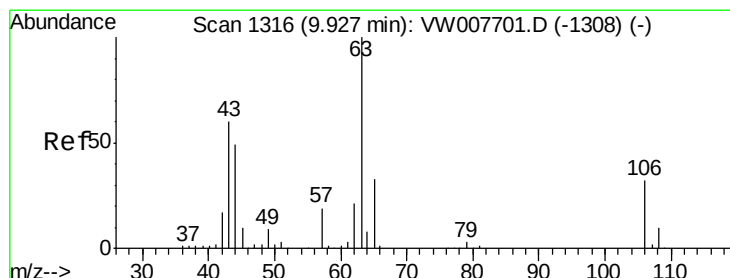
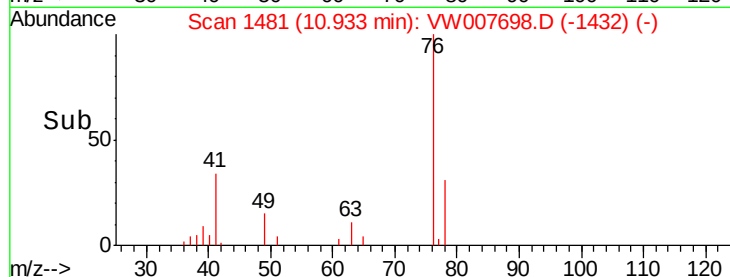
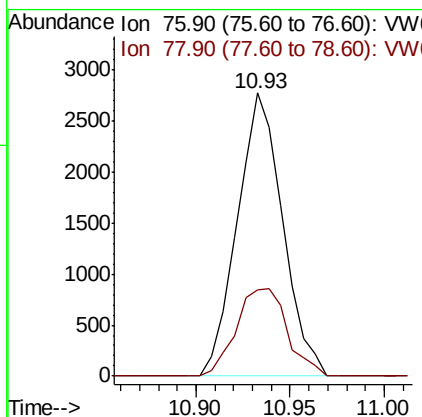
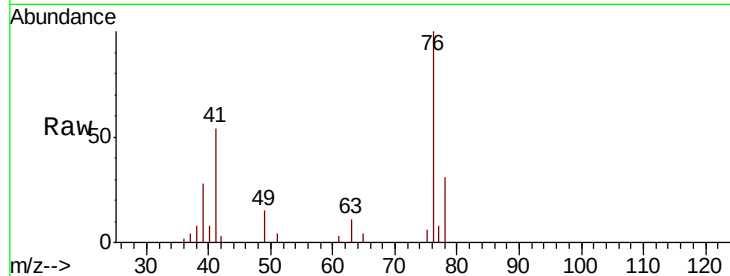
#57
 1,3-Dichloropropane
 Concen: 5.103 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 4618
 Ion Ratio Lower Upper
 76 100
 78 34.6 26.2 39.2

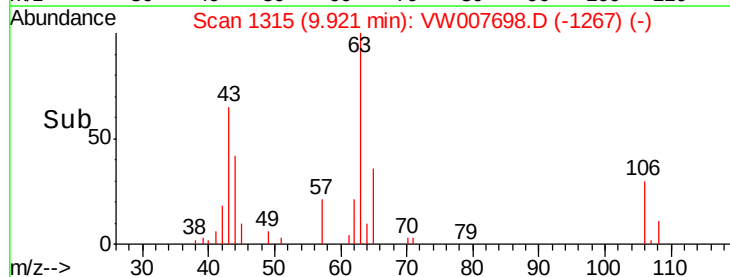
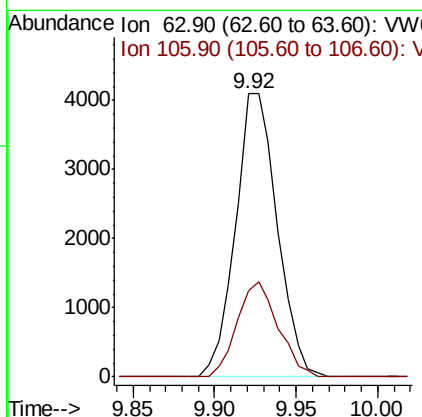
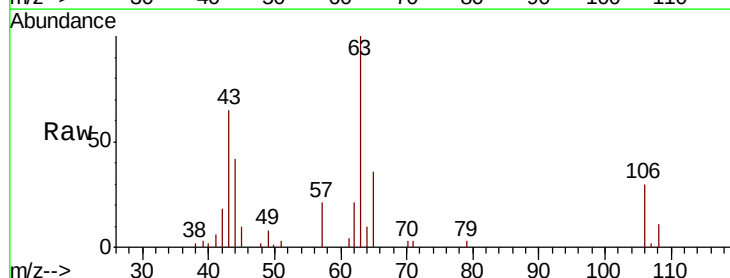
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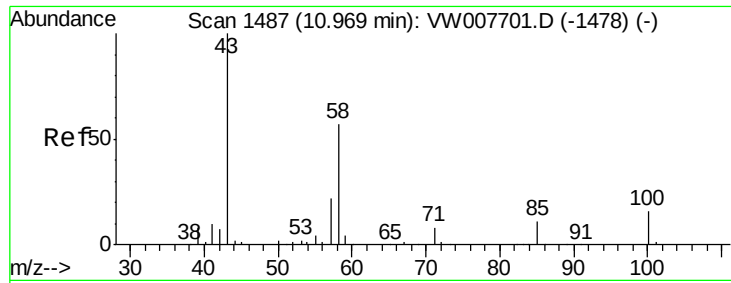
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 24.874 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion: 63 Resp: 7312
 Ion Ratio Lower Upper
 63 100
 106 33.0 25.9 38.9





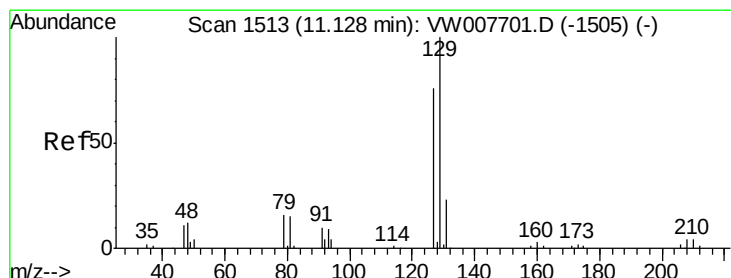
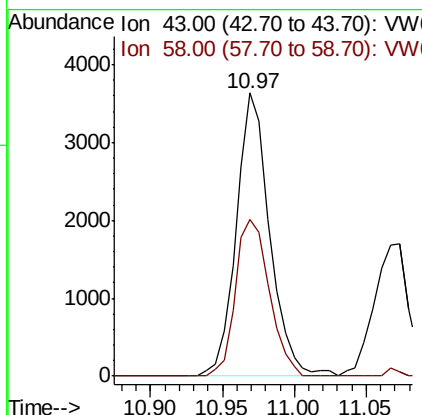
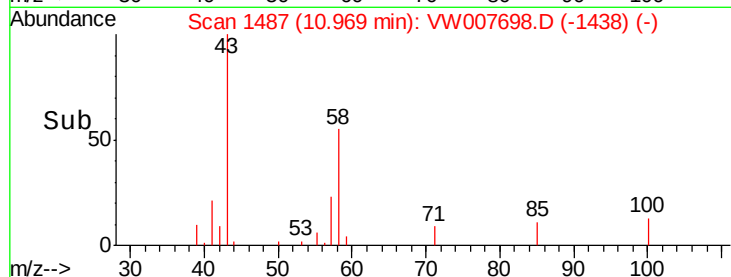
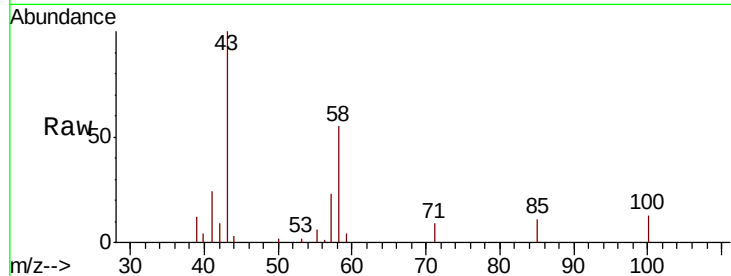
#59
2-Hexanone
Concen: 23.526 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 5863
Ion Ratio Lower Upper
43 100
58 56.0 27.7 83.1

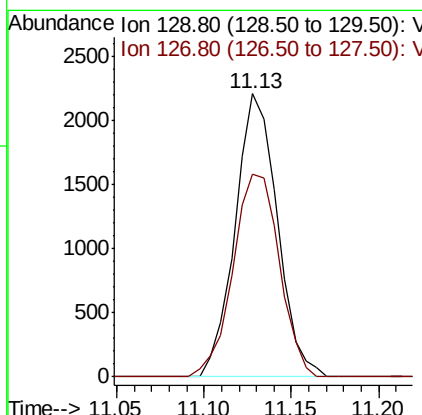
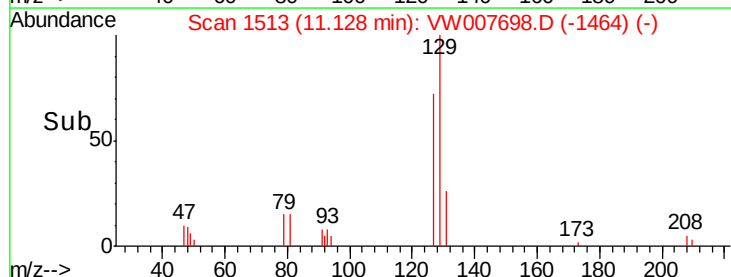
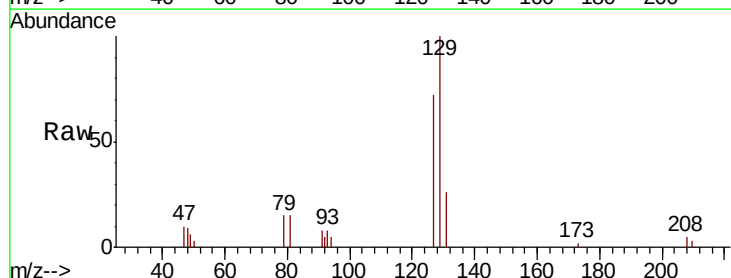
Manual Integrations
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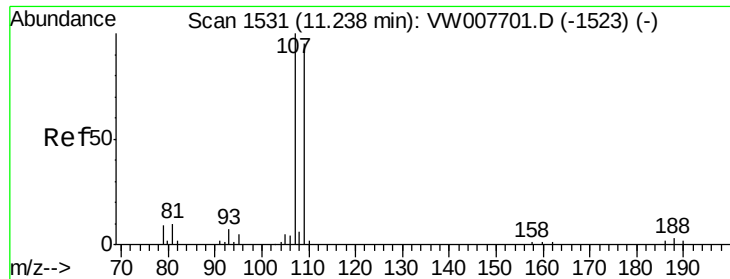
apatel
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#60
Dibromochloromethane
Concen: 5.149 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion: 129 Resp: 3715
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.9





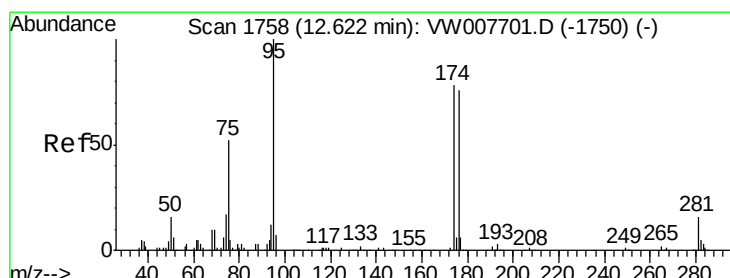
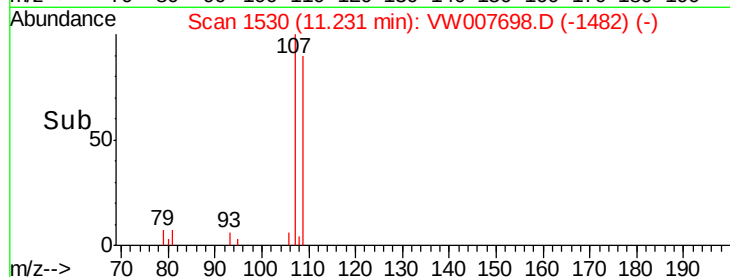
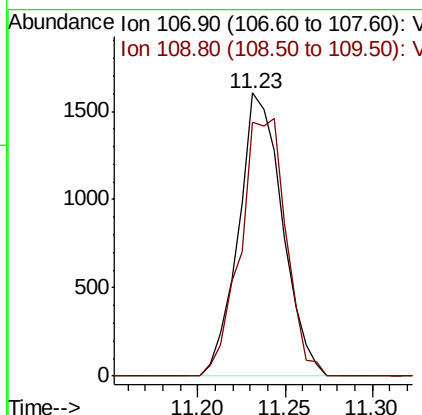
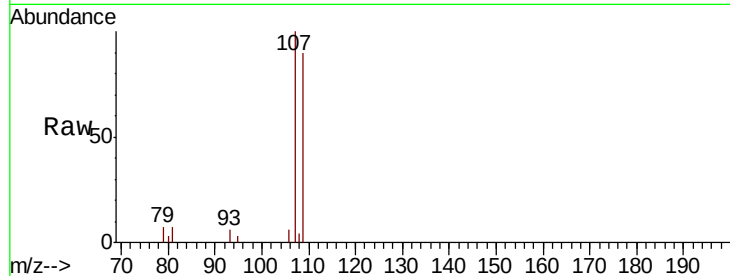
#61
 1,2-Dibromoethane
 Concen: 5.069 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0

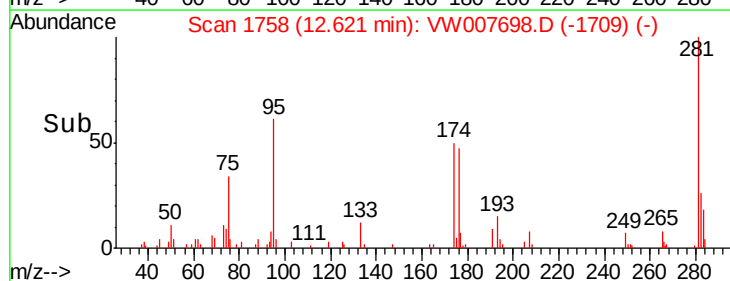
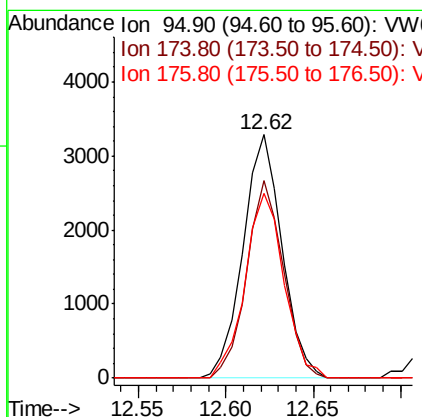
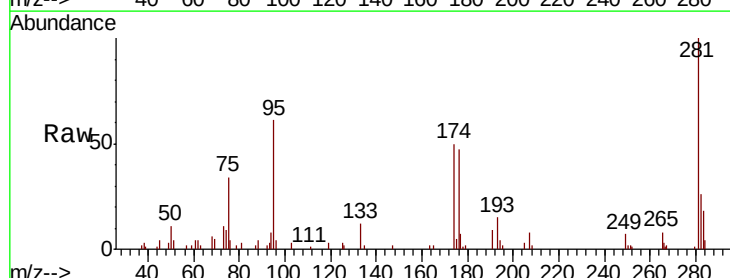
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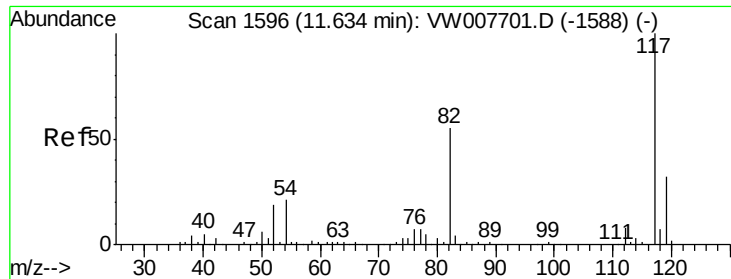
apatel
 12/20/2018 11:19:30 AM



#62
 4-Bromofluorobenzene
 Concen: 5.094 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	152.2
176	76.1	0.0	146.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

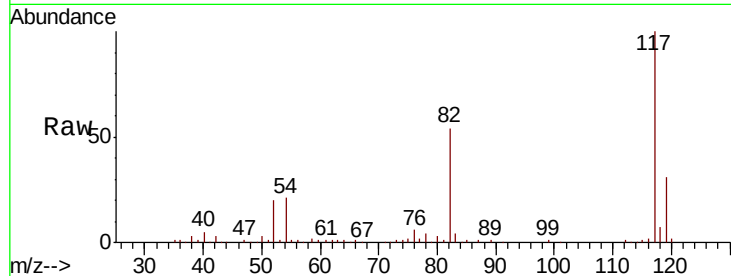
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	102401
Ion Ratio	Lower	Upper	
117	100		
82	53.6	44.3	66.5
119	31.1	25.7	38.5

Manual Integrations
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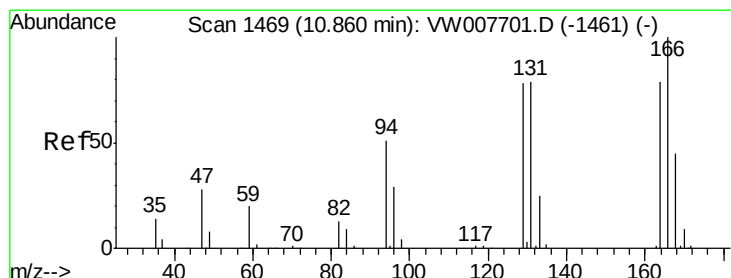
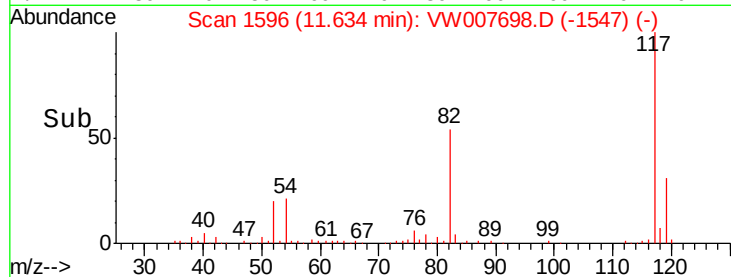
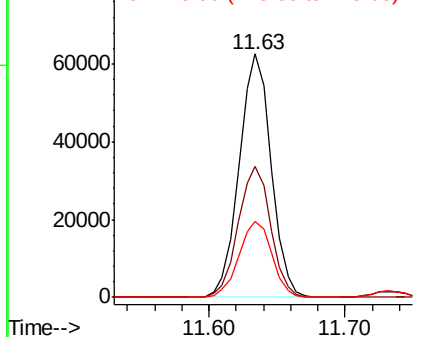


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 5.429 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Tgt Ion:	164	Resp:	3937
Ion Ratio	Lower	Upper	
164	100		
166	124.2	101.0	151.6
129	100.4	78.7	118.1
131	86.7	79.4	119.0

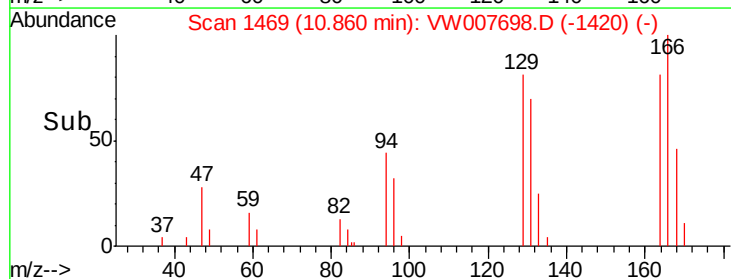
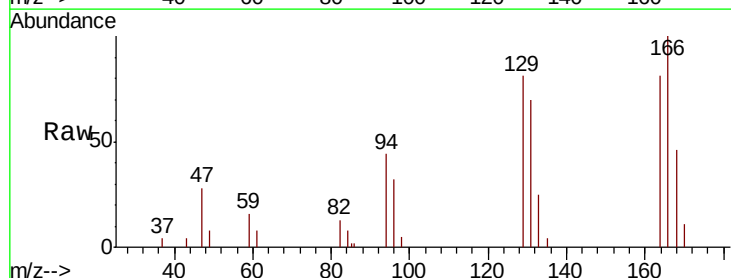
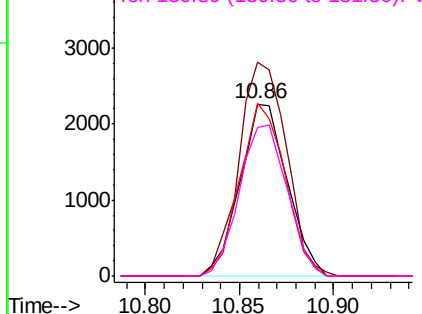
Abundance

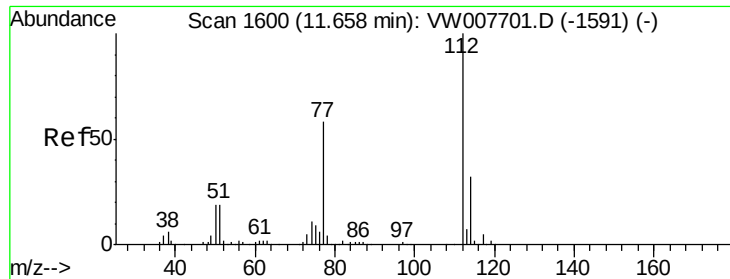
Ion 163.80 (163.50 to 164.50): V

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





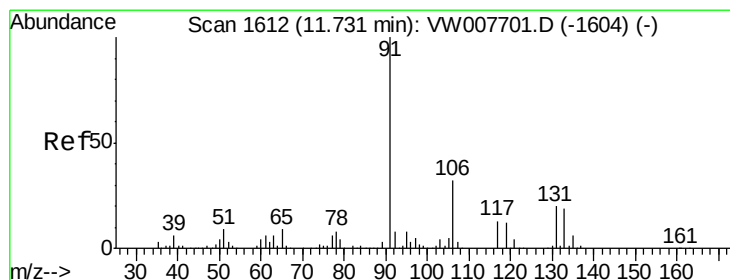
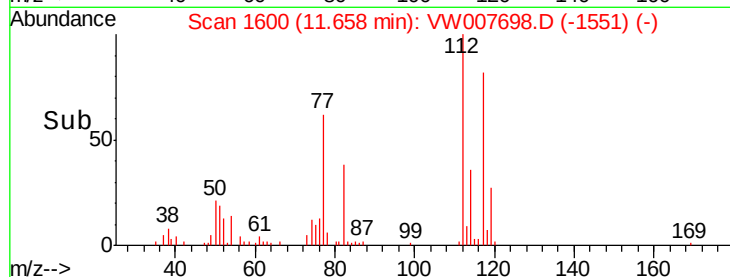
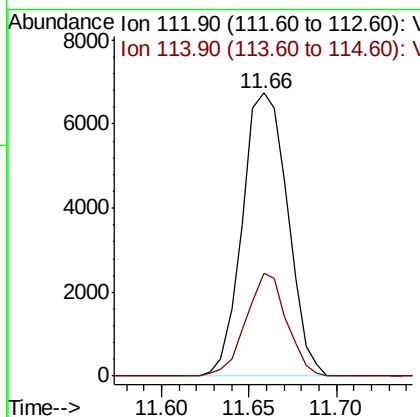
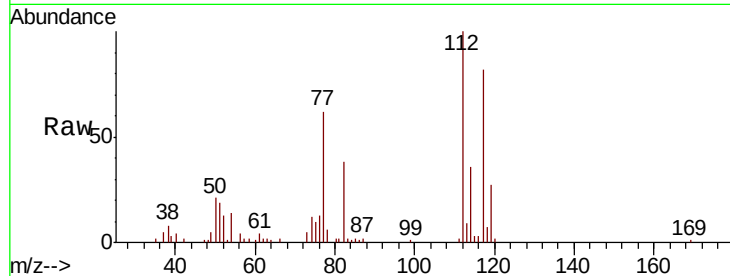
#65
Chlorobenzene
Concen: 5.470 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.3	25.2	37.8

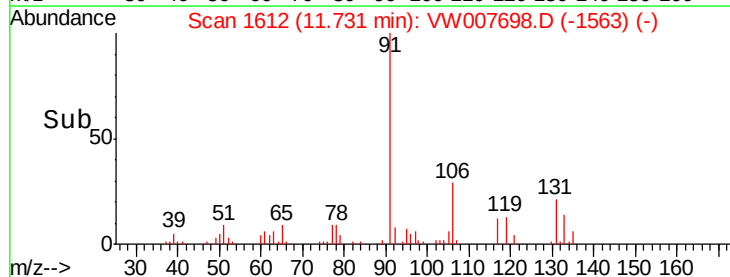
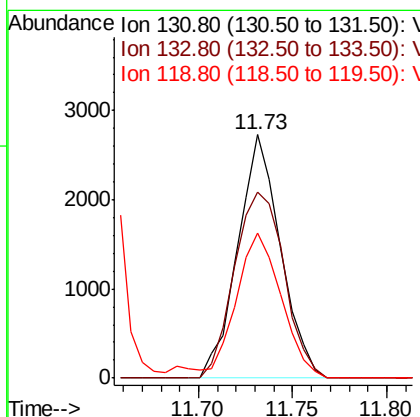
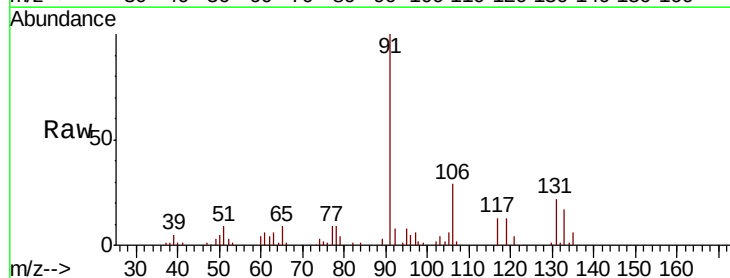
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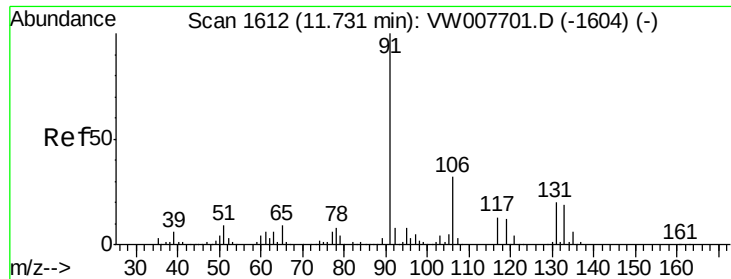
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.409 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	89.0	47.5	142.5
119	65.7	30.2	90.6





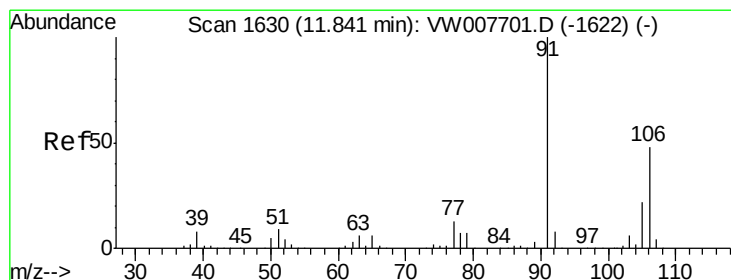
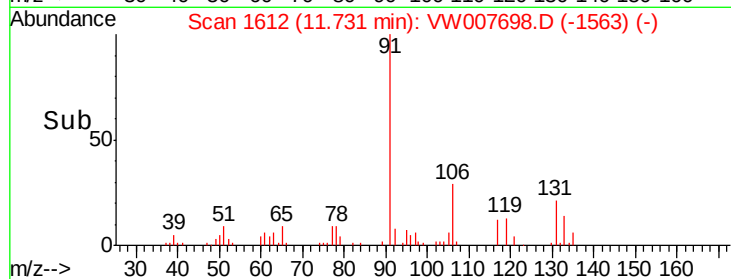
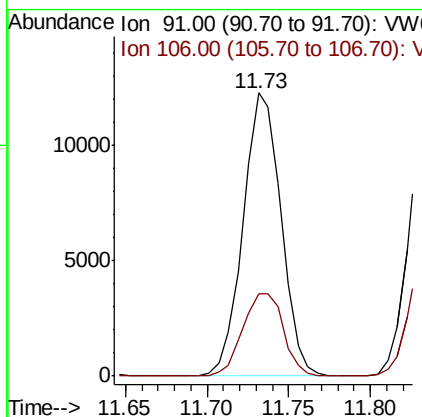
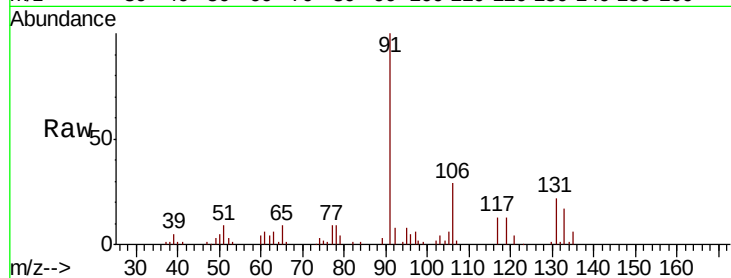
#67
Ethyl Benzene
Concen: 5.229 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 19886
Ion Ratio Lower Upper
91 100
106 28.9 25.8 38.8

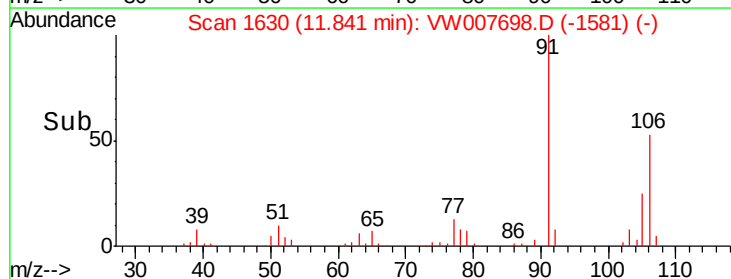
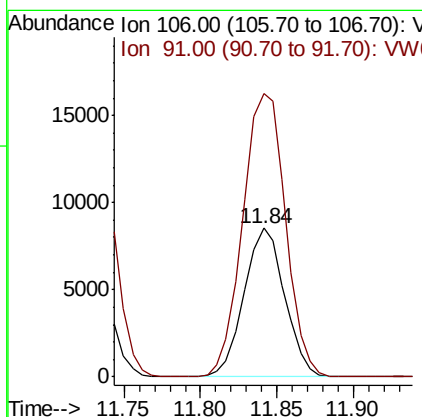
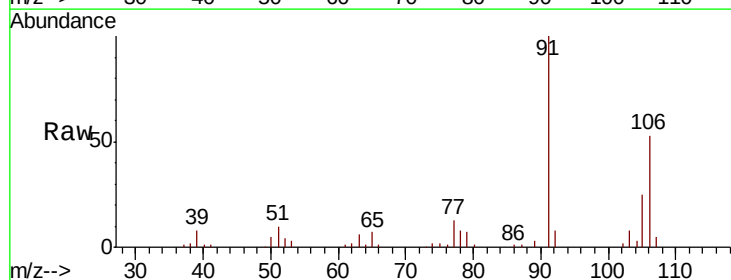
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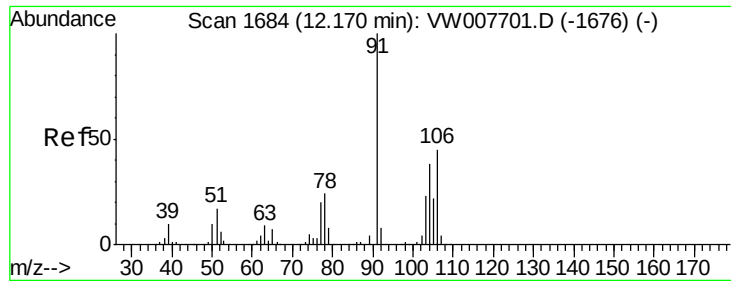
apatel
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#68
m/p-Xylenes
Concen: 10.643 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion: 106 Resp: 15703
Ion Ratio Lower Upper
106 100
91 201.4 165.2 247.8





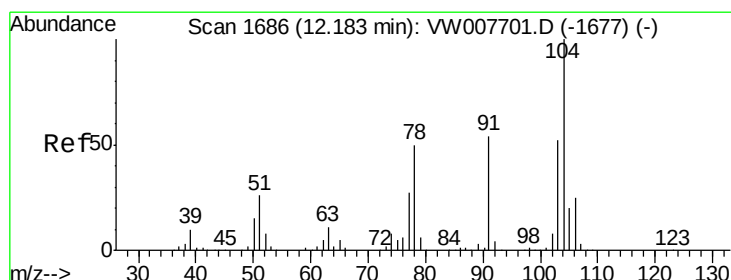
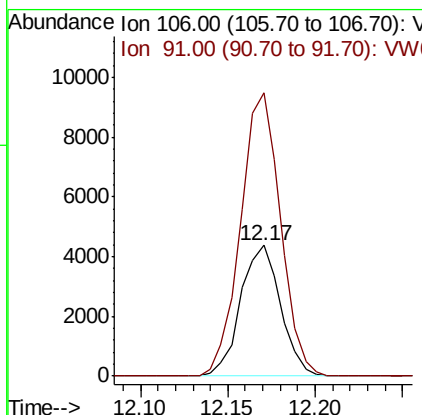
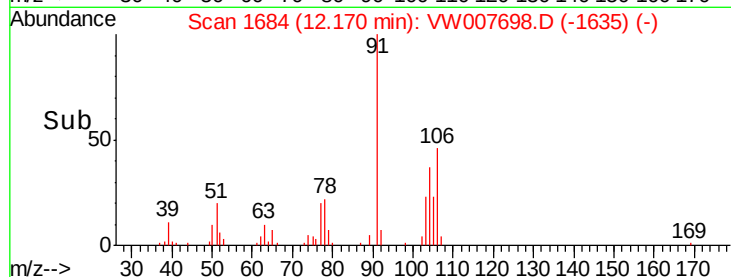
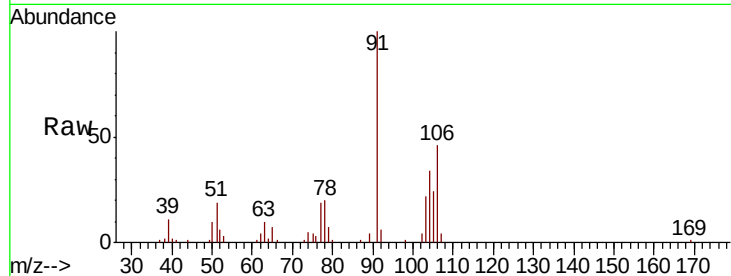
#69
o-Xylene
Concen: 5.052 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC005

Tot Ion:106 Resp: 6987
Ion Ratio Lower Upper
106 100
91 216.5 110.5 331.4

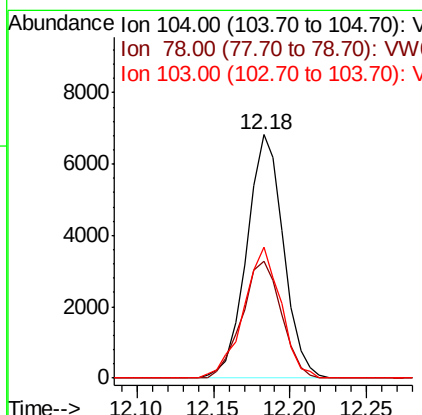
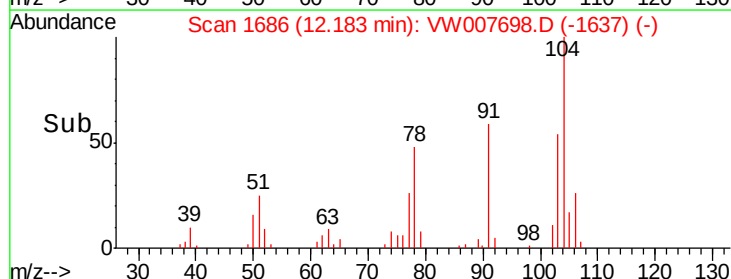
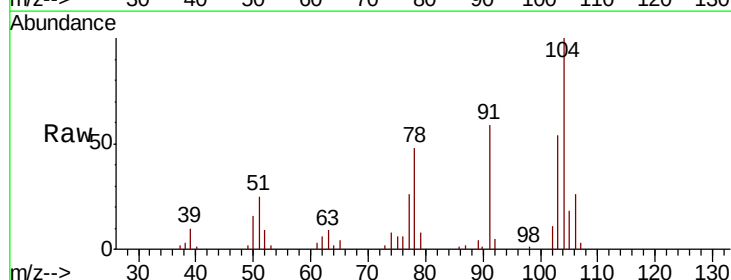
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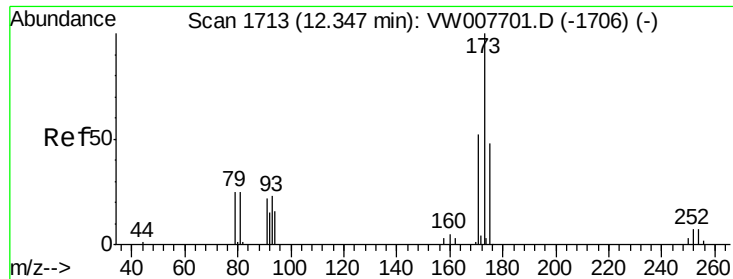
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#70
Styrene
Concen: 5.022 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion:104 Resp: 11416
Ion Ratio Lower Upper
104 100
78 51.3 43.4 65.0
103 54.5 44.5 66.7





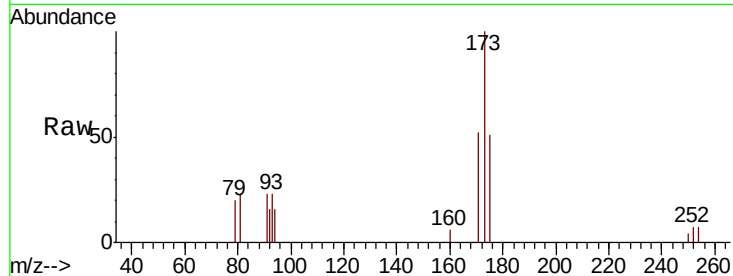
#71
Bromoform
Concen: 4.862 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
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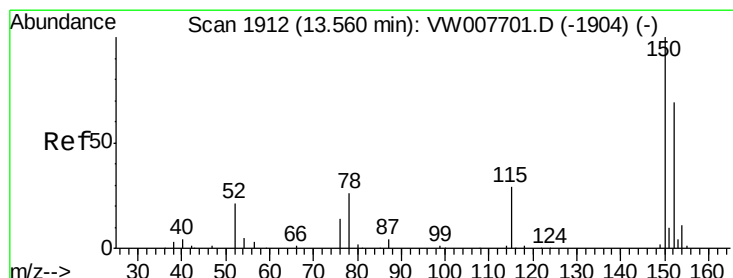
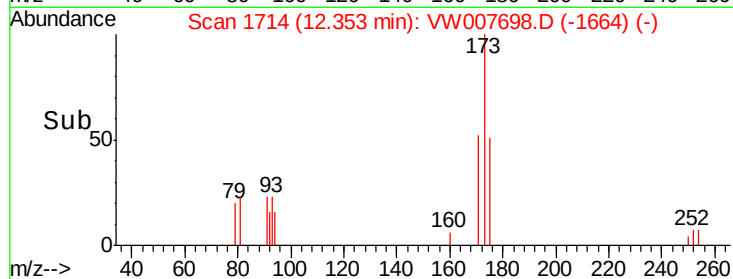
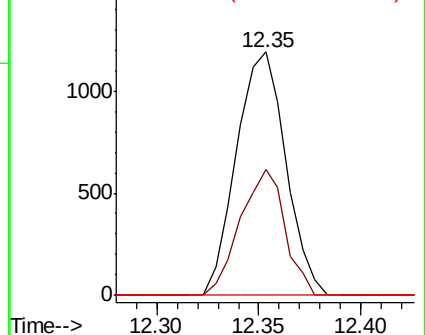


Abundance

Ion 172.70 (172.40 to 173.40): V

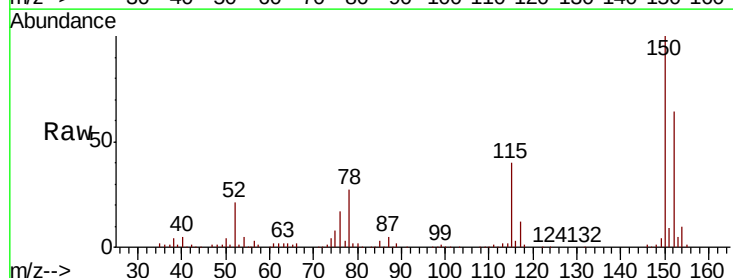
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.8	95.4
150	158.9	0.0	350.8

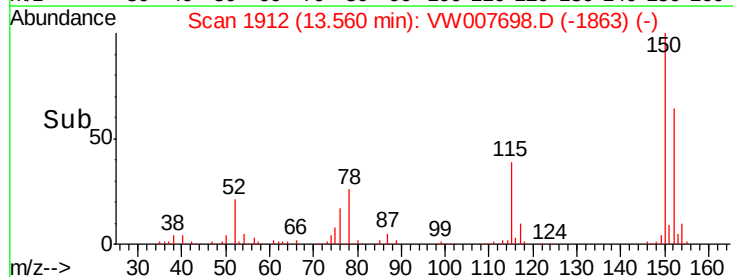
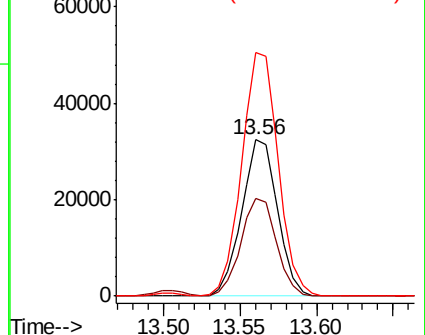


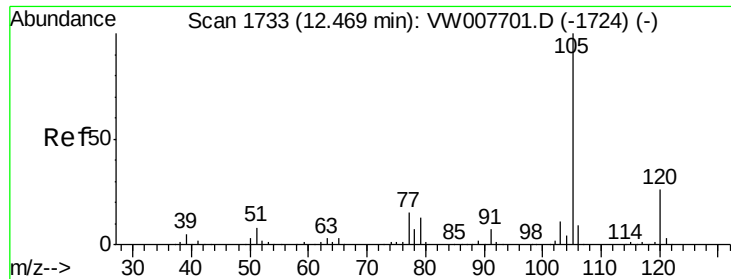
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





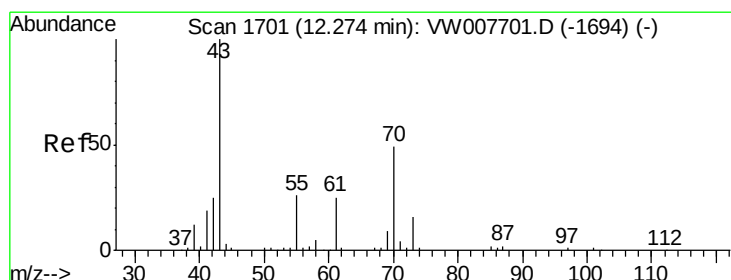
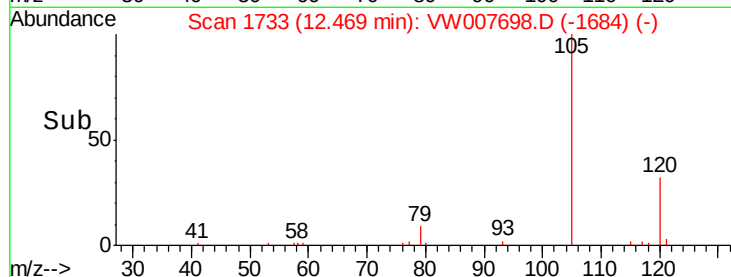
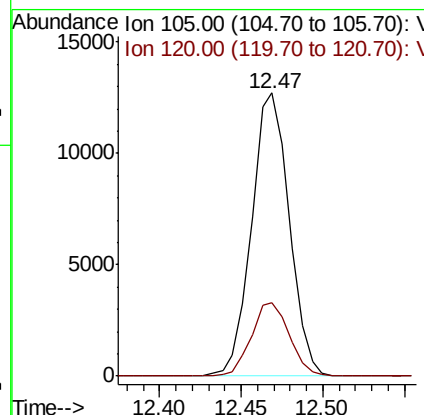
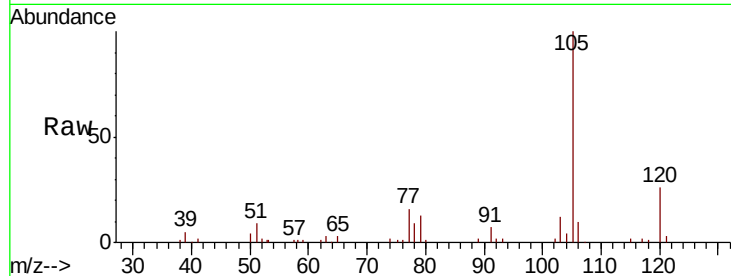
#73
Isopropylbenzene
Concen: 5.134 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.3

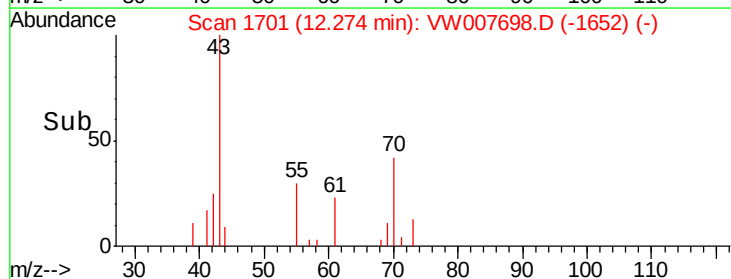
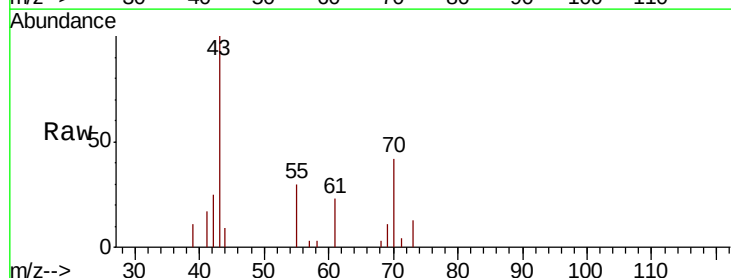
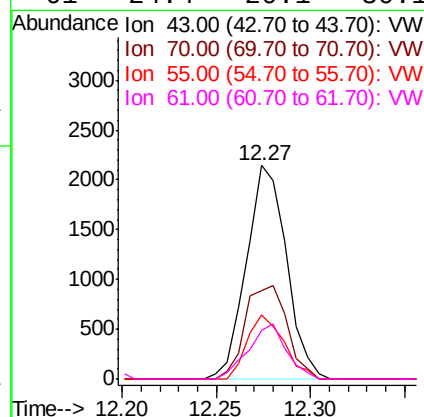
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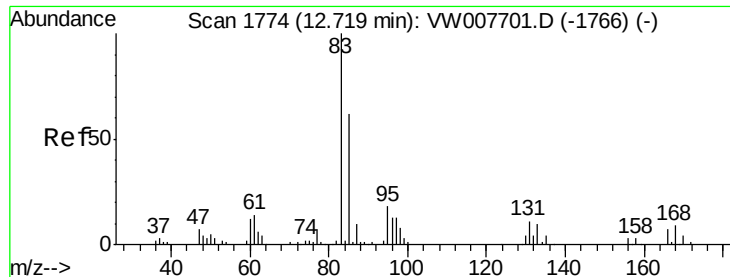
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#74
N-ethyl acetate
Concen: 4.599 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.9	37.6	56.4
55	27.4	21.7	32.5
61	24.4	20.1	30.1





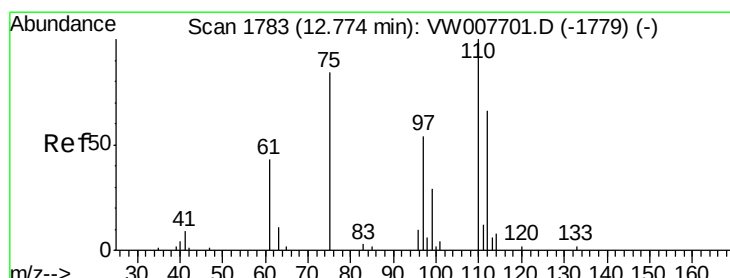
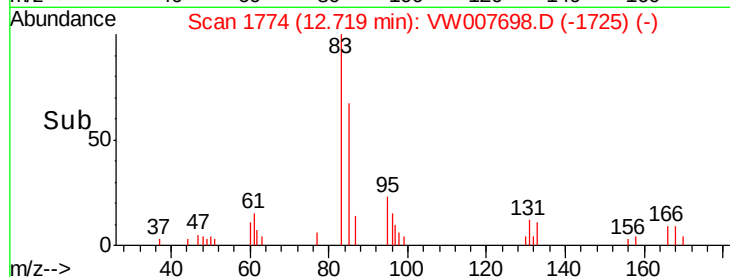
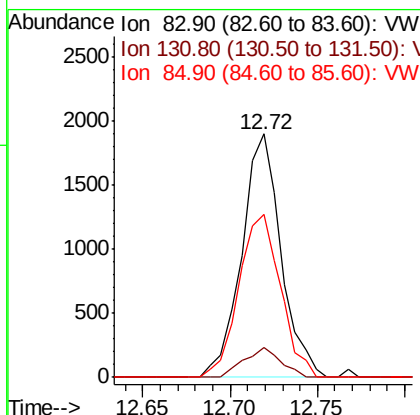
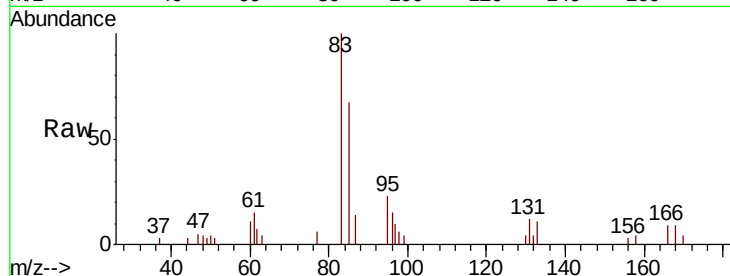
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.013 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.3	6.3	18.8
85	70.9	32.3	96.8

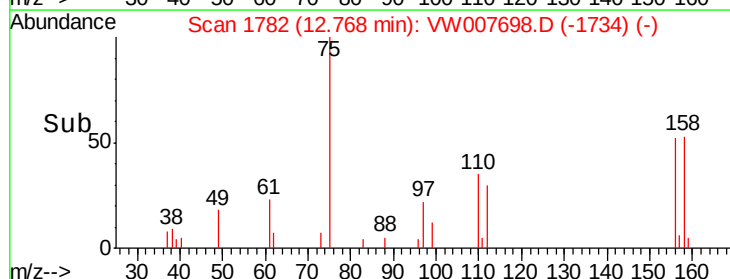
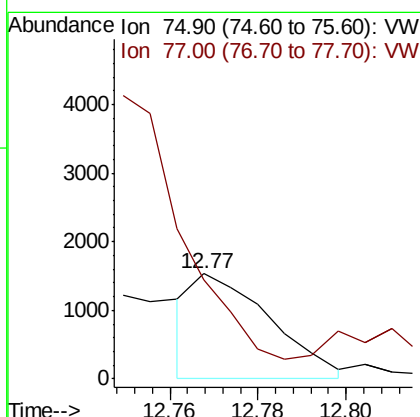
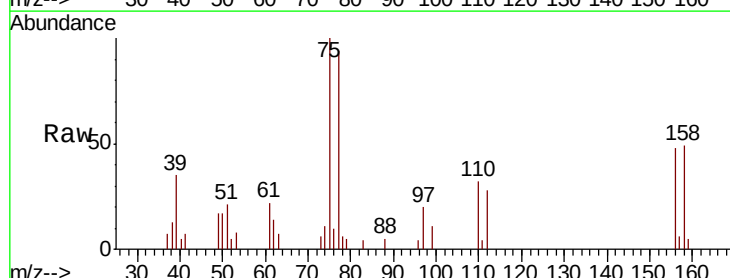
Manual Integrations
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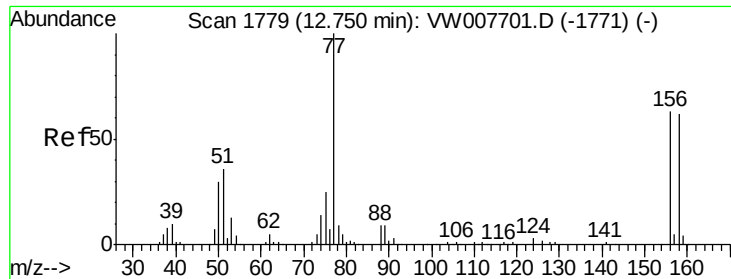
apatel
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#76
 1,2,3-Trichloropropane
 Concen: 2.359 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.182 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

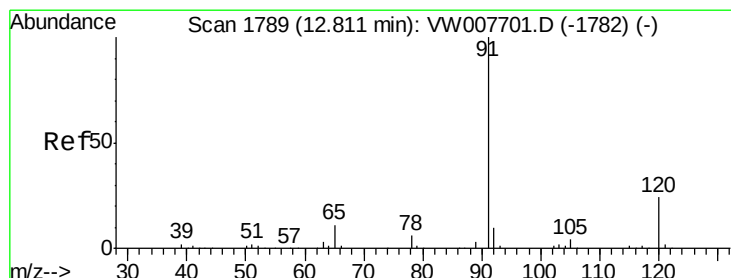
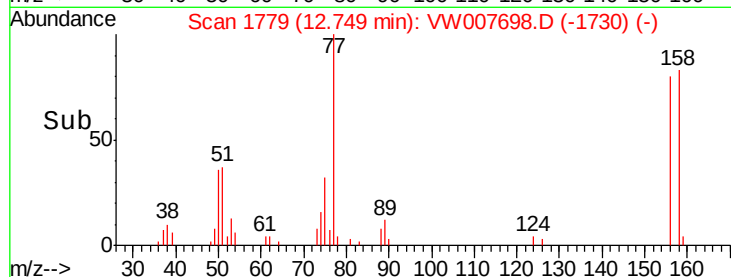
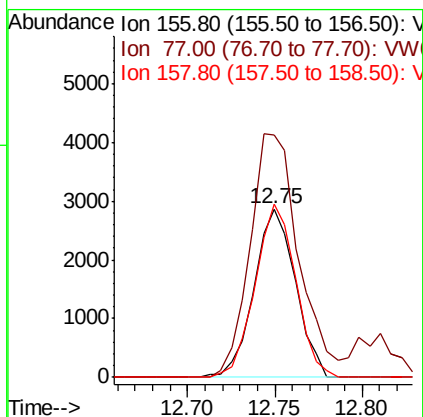
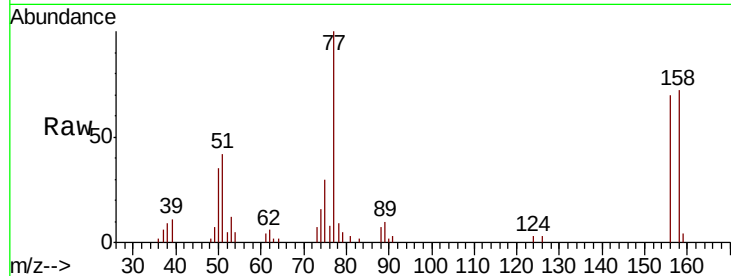
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	4717
Ion	Ratio	Lower	Upper
156	100		
77	170.1	87.4	262.1
158	100.7	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 5.138 ug/l

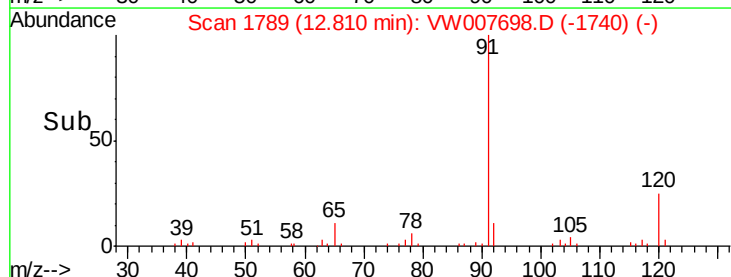
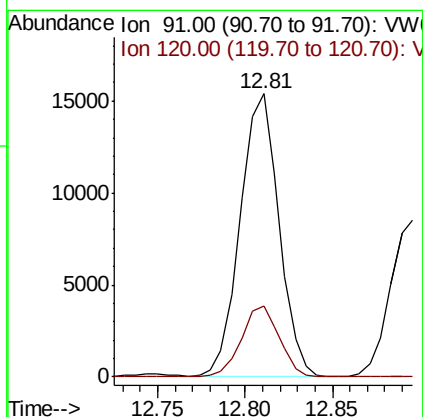
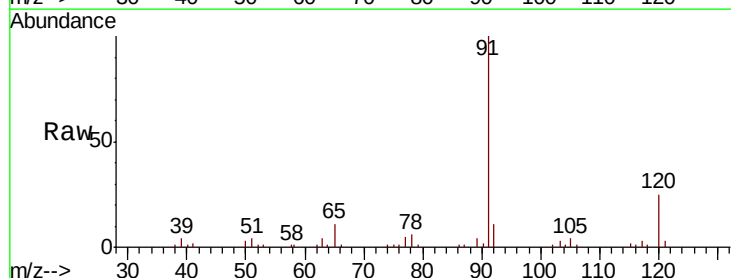
RT: 12.81 min Scan# 1789

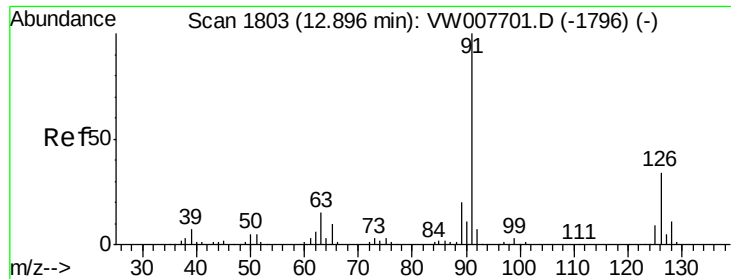
Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Tgt Ion:	91	Resp:	23752
Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.7





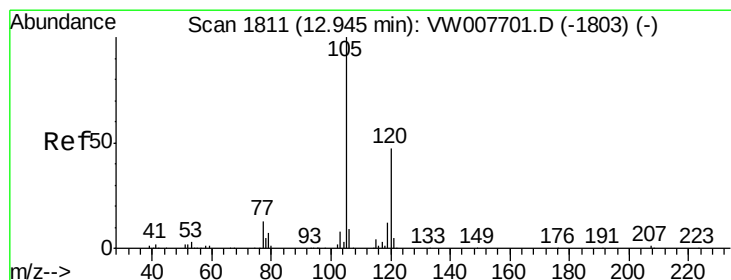
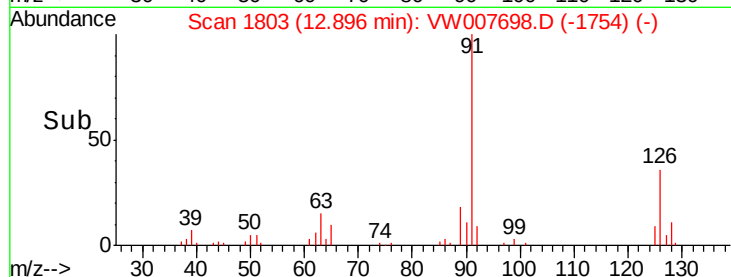
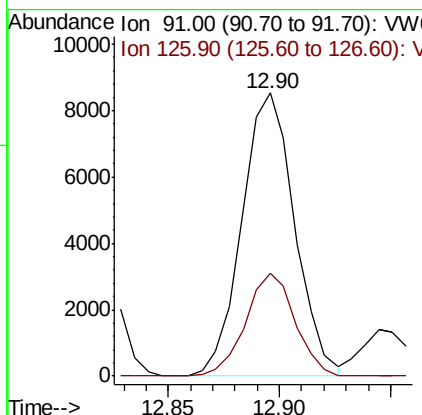
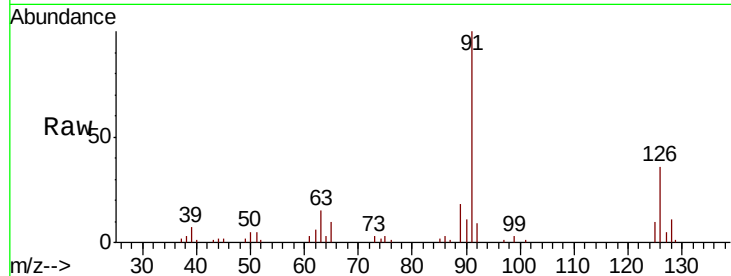
#79
2-Chlorotoluene
Concen: 5.223 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 14068
Ion Ratio Lower Upper
91 100
126 34.0 17.0 51.0

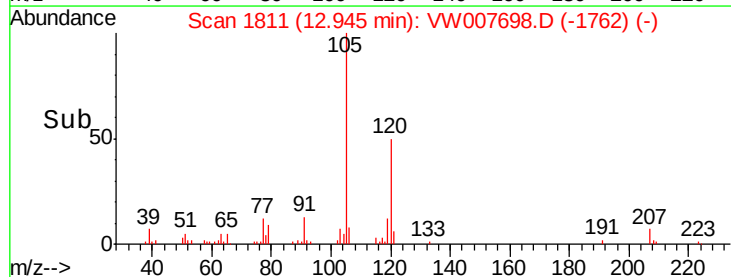
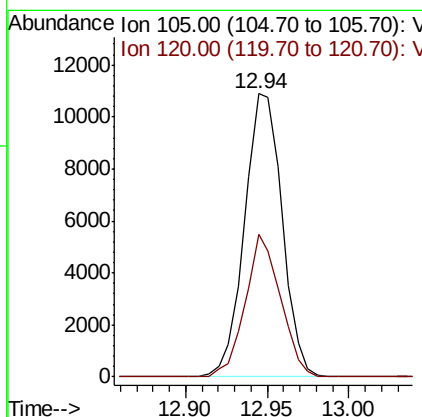
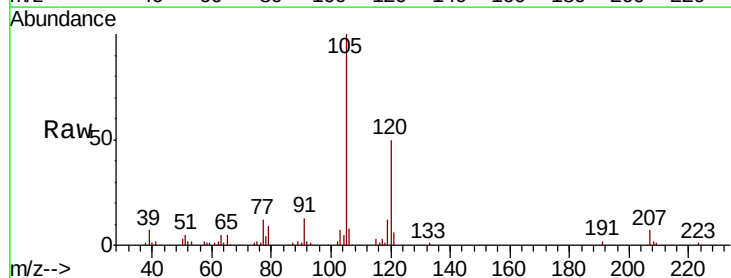
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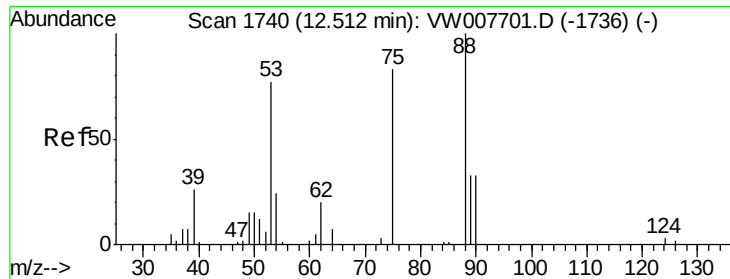
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 5.107 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion: 105 Resp: 17496
Ion Ratio Lower Upper
105 100
120 47.1 23.6 70.8





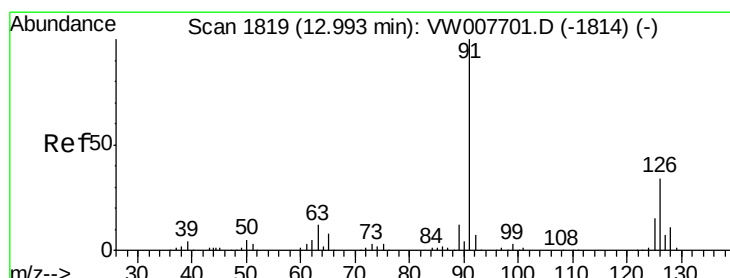
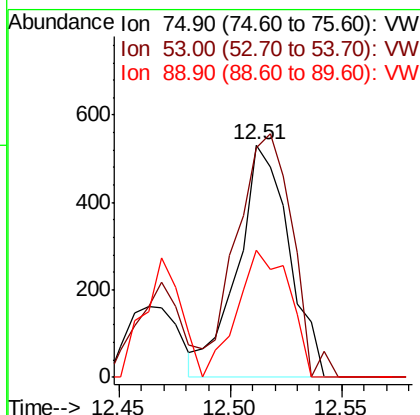
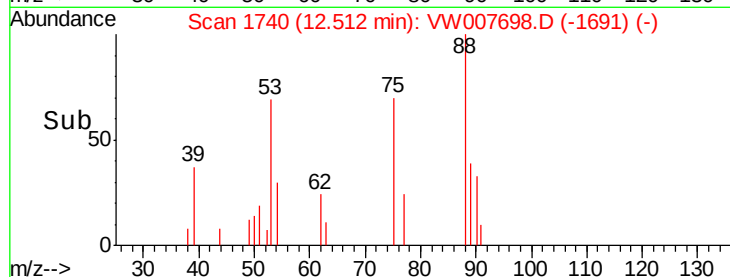
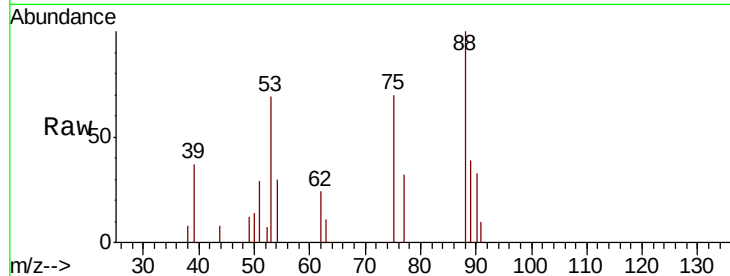
#81
trans-1,4-Dichloro-2-butene
Concen: 4.425 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	80.2	120.2
89	55.4	39.2	58.8

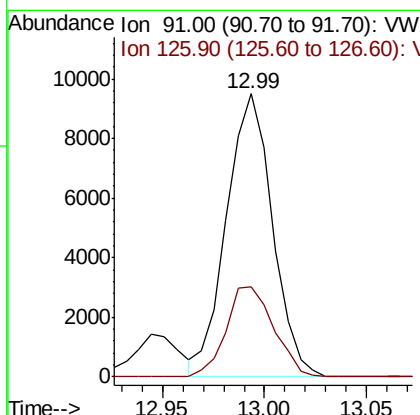
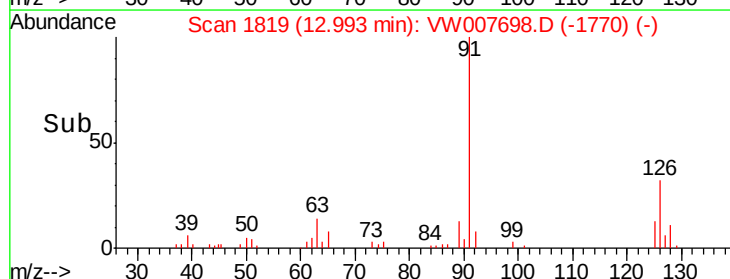
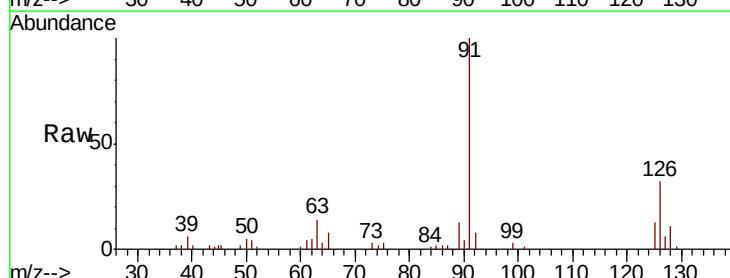
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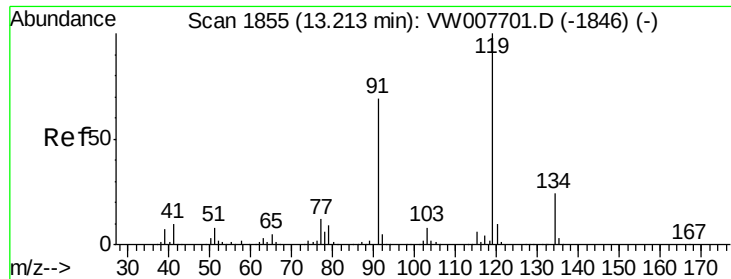
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#82
4-Chlorotoluene
Concen: 5.180 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.5	49.5





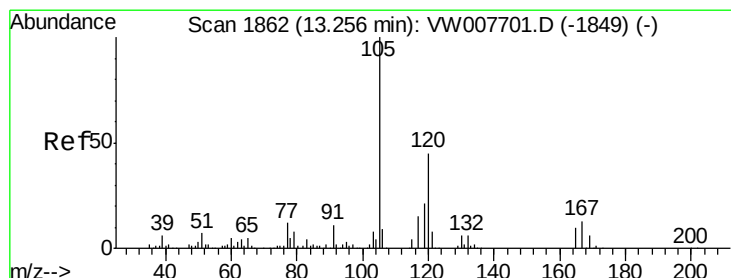
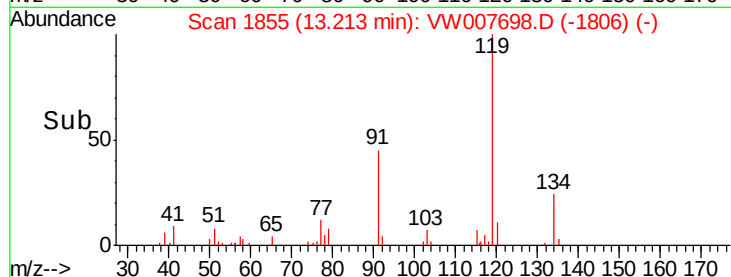
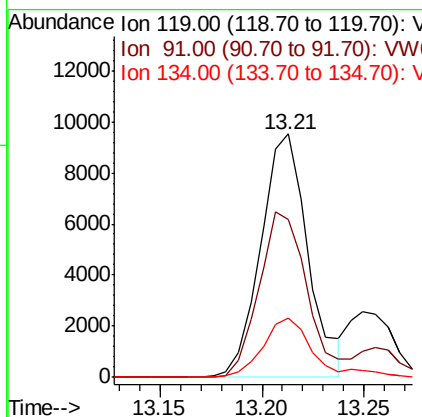
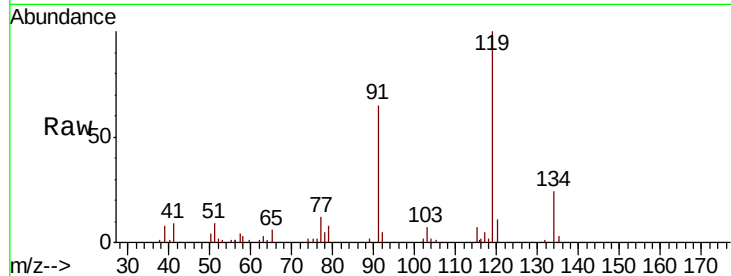
#83
tert-Butylbenzene
Concen: 5.118 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.2	102.5
134	26.4	12.8	38.4

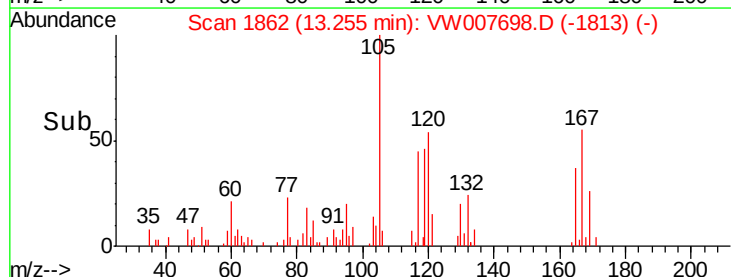
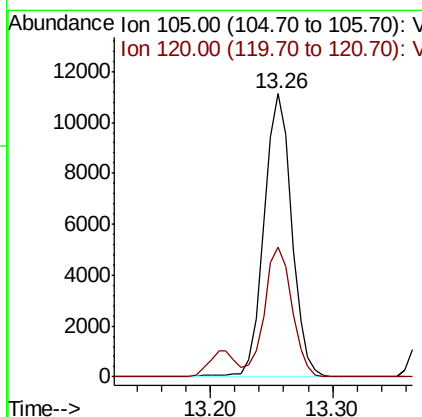
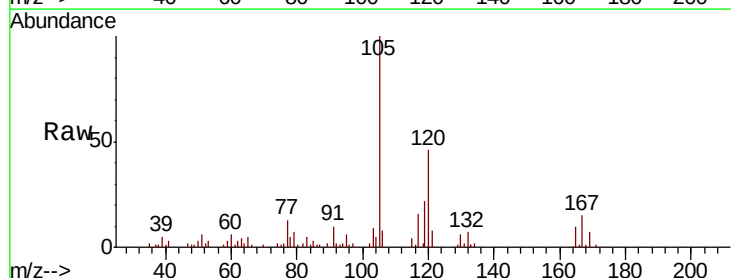
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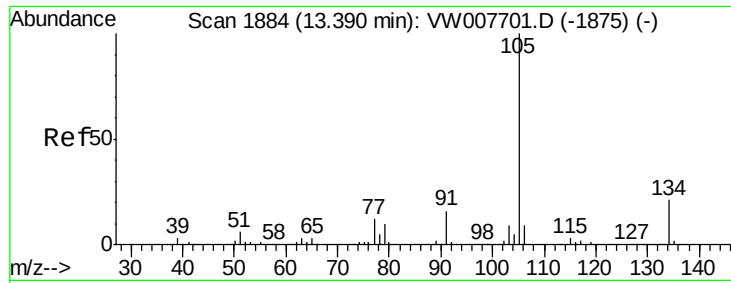
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#84
1,2,4-Trimethylbenzene
Concen: 5.077 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.0	66.0





#85

sec-Butylbenzene

Concen: 5.215 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 21605

Ion Ratio Lower Upper

105 100

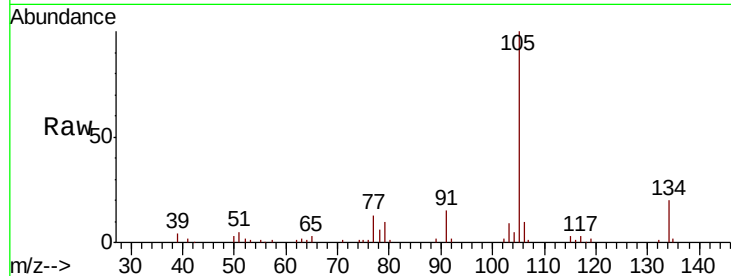
134 21.3 10.2 30.4

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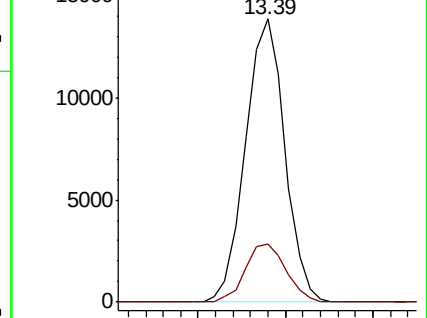
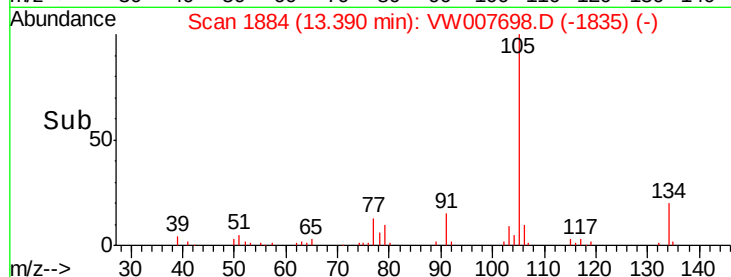
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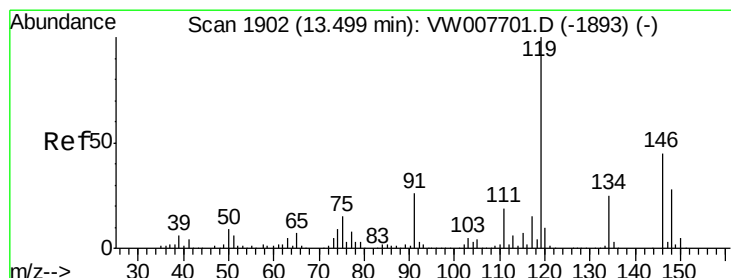


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 5.121 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

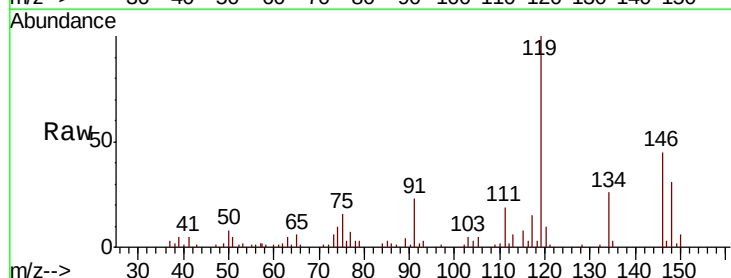
Tgt Ion:119 Resp: 19290

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

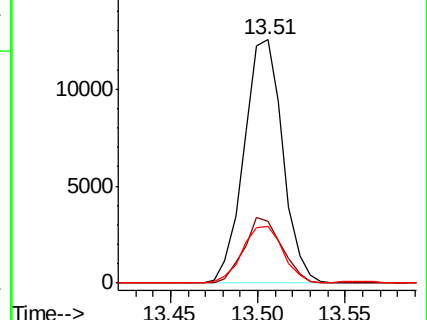
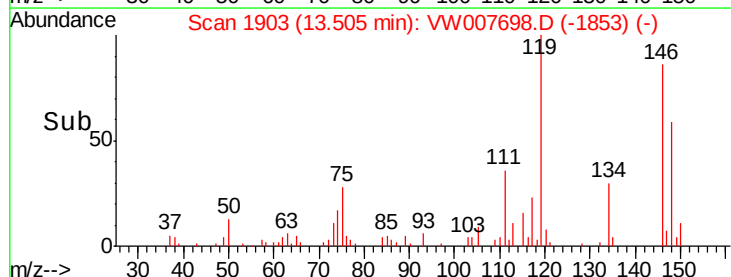
91 24.8 12.8 38.4



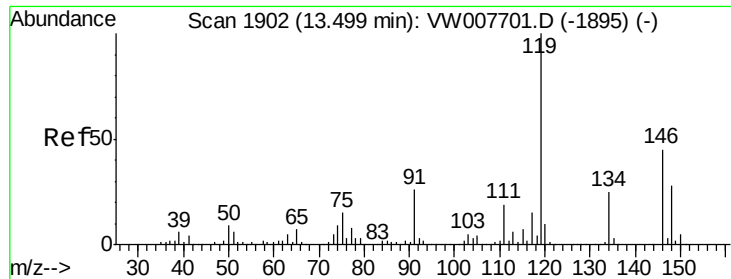
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->



#87

1,3-Dichlorobenzene

Concen: 5.260 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007698.D

Acq: 19 Dec 2018 13:35

Instrument :

MSVOA_W

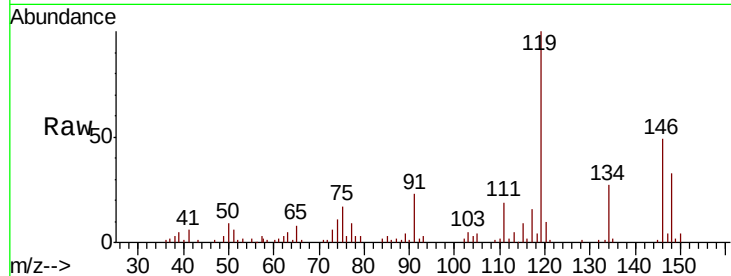
ClientSampleId :

VSTDIC005

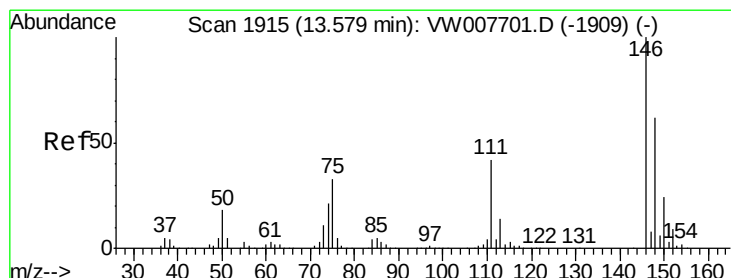
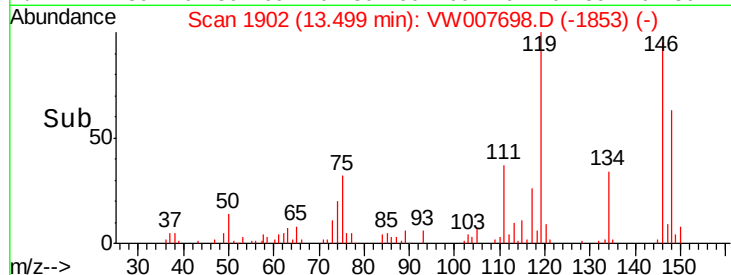
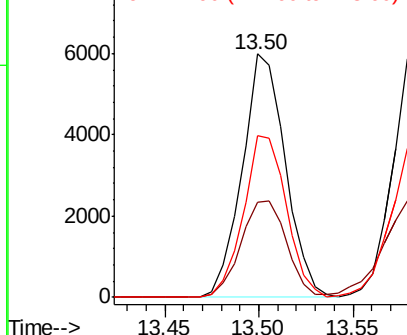
Tot Ion:	146	Resp:	9506
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.1	63.4
148	66.2	32.1	96.5

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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



#88

1,4-Dichlorobenzene

Concen: 5.429 ug/l

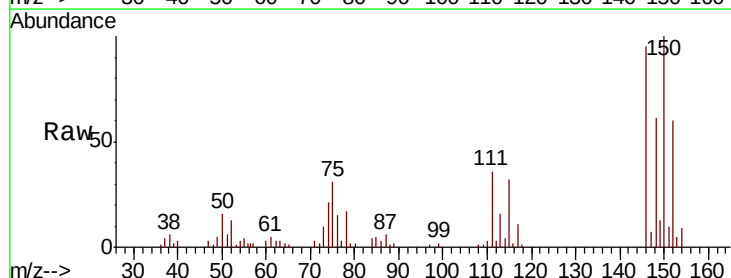
RT: 13.58 min Scan# 1916

Delta R.T. 0.01 min

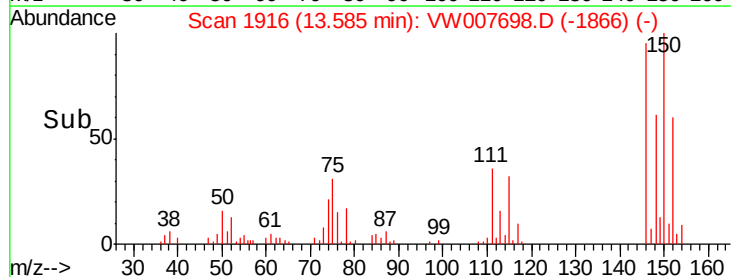
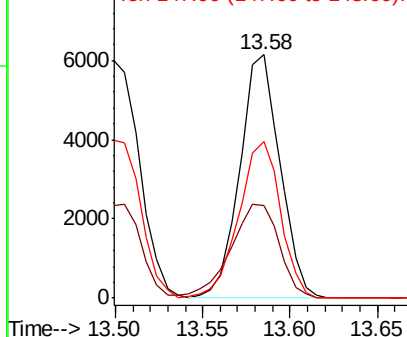
Lab File: VW007698.D

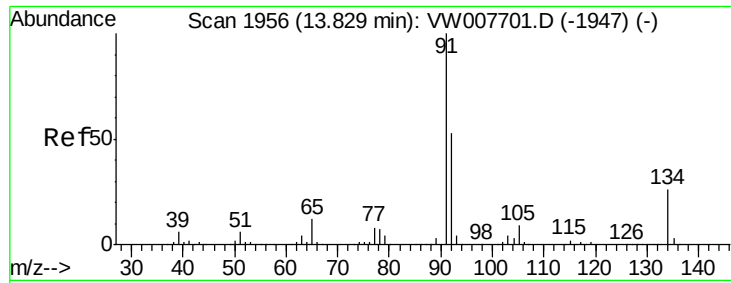
Acq: 19 Dec 2018 13:35

Tgt Ion:	146	Resp:	9814
Ion Ratio	Lower	Upper	
146	100		
111	46.6	21.0	63.0
148	66.9	31.8	95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





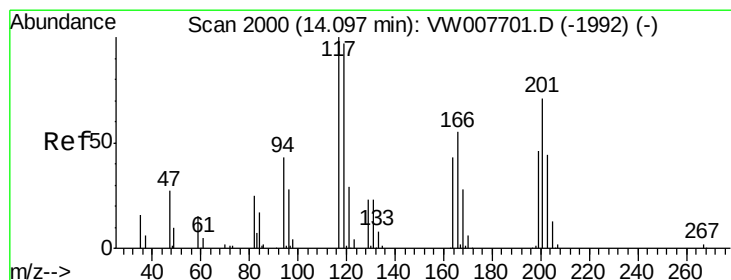
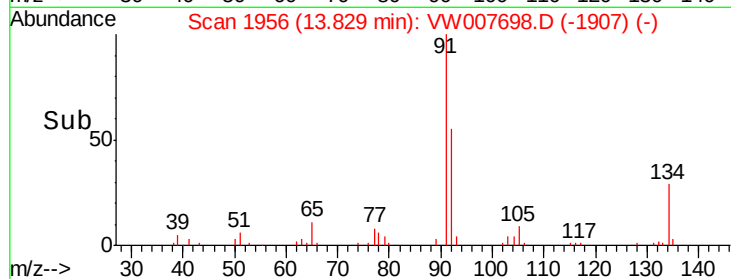
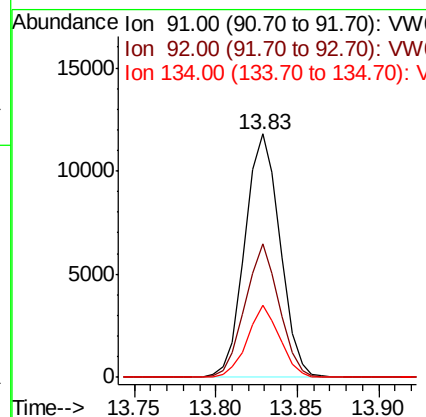
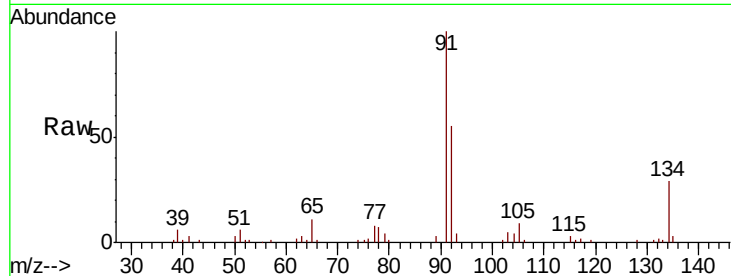
#89
n-Butylbenzene
Concen: 5.134 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.4	79.2
134	27.3	13.7	41.0

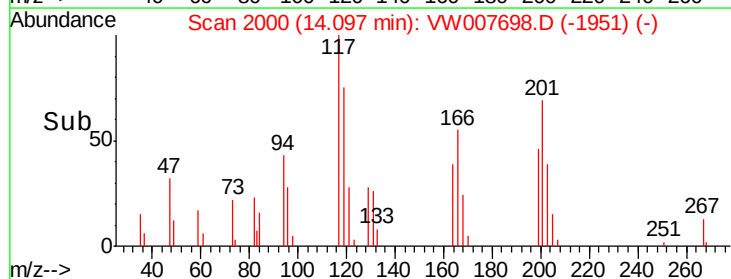
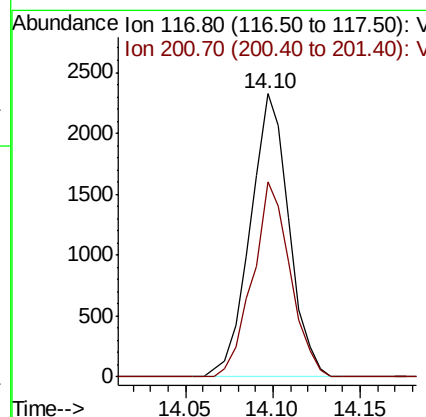
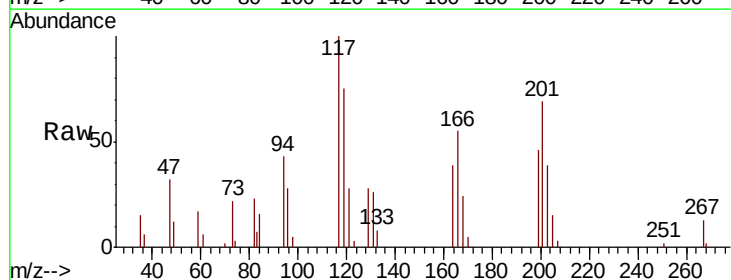
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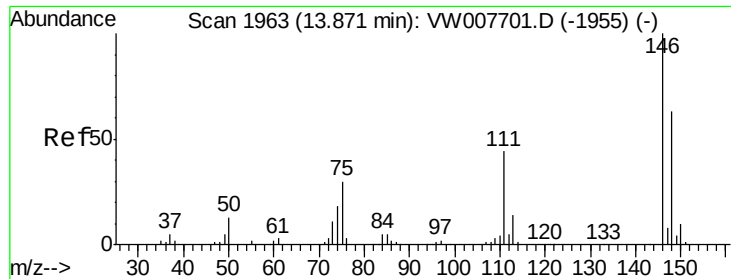
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#90
Hexachloroethane
Concen: 5.442 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	36.2	108.6





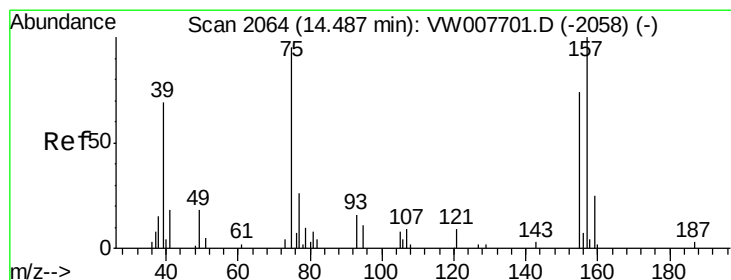
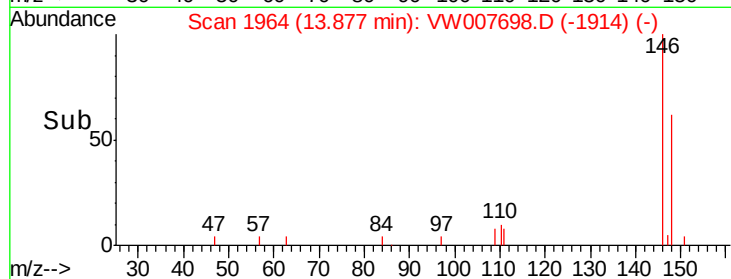
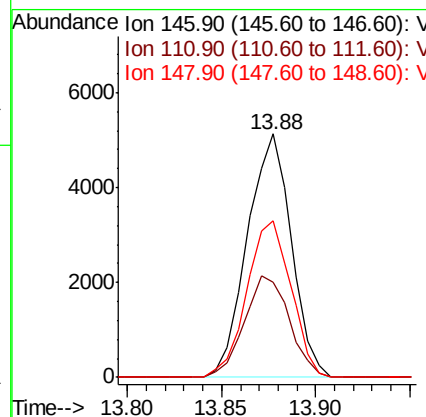
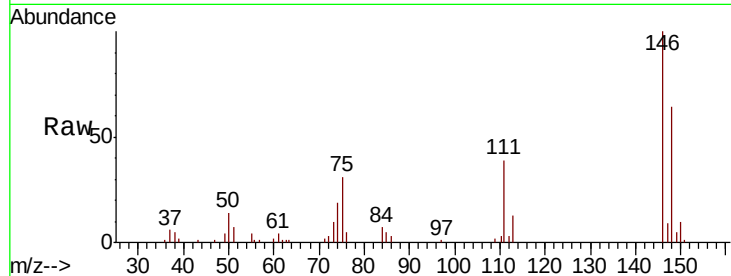
#91
 1,2-Dichlorobenzene
 Concen: 5.122 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.7	65.1
148	64.4	32.1	96.5

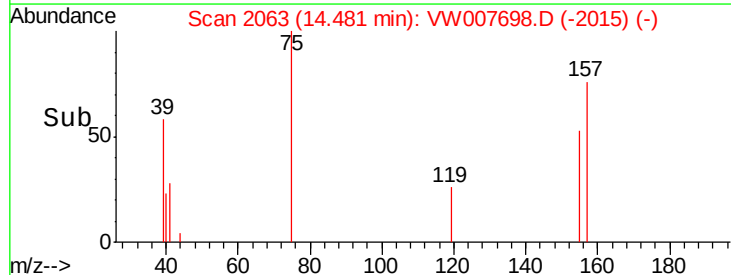
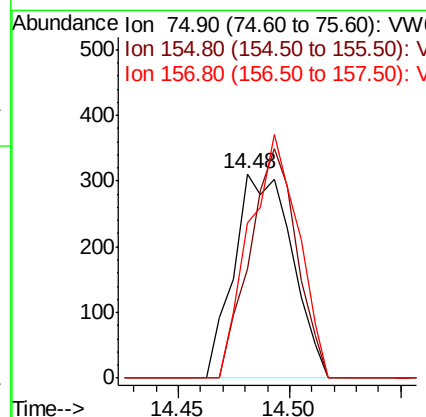
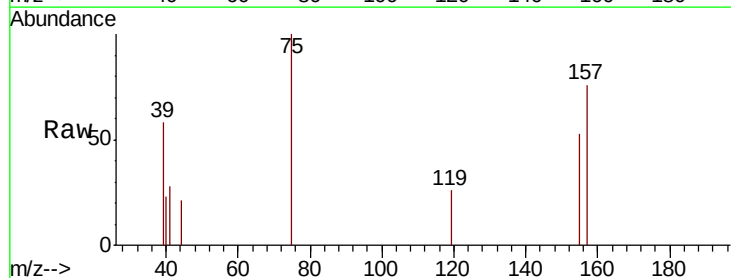
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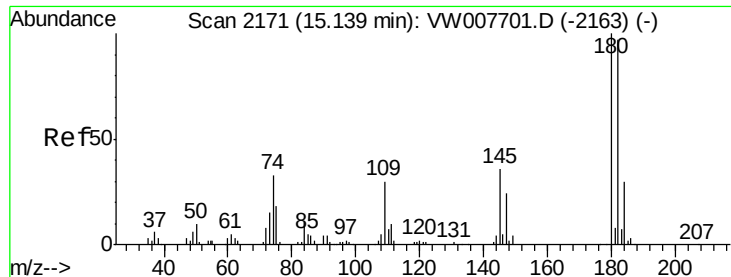
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.604 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW007698.D
 Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	39.4	118.1
157	100.7	52.0	156.0





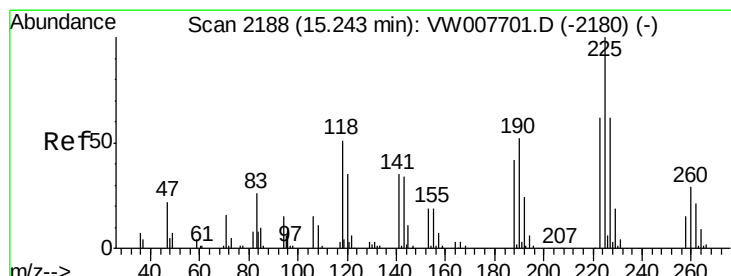
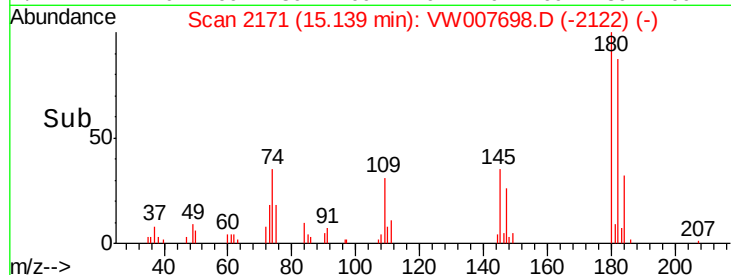
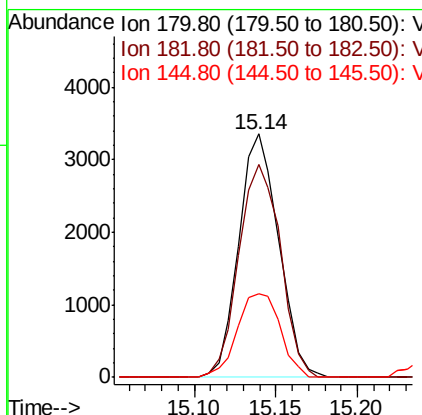
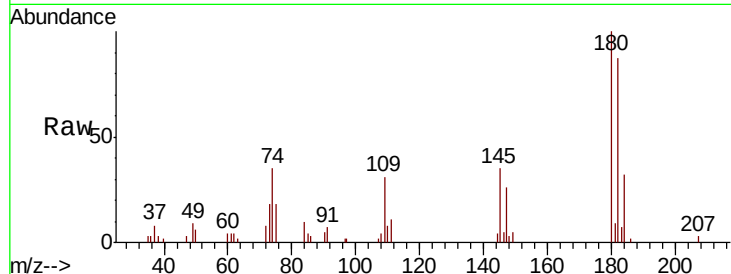
#93
1,2,4-Trichlorobenzene
Concen: 5.084 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.5	142.6
145	37.2	17.5	52.5

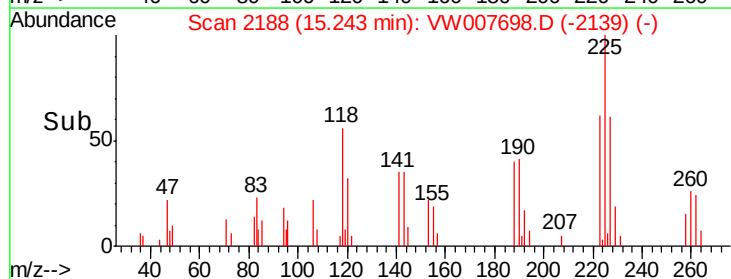
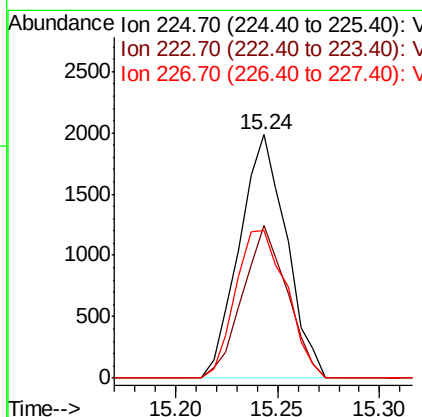
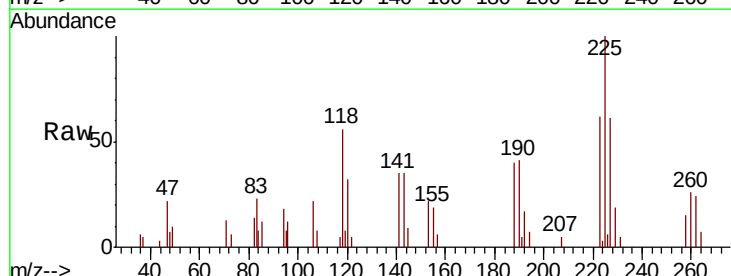
Manual Integrations
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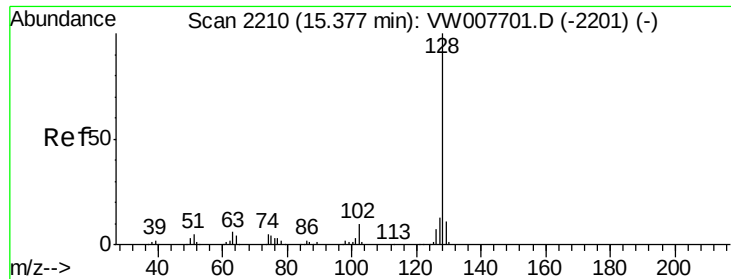
apatel
12/20/2018 11:19:30 AM



#94
Hexachlorobutadiene
Concen: 5.301 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	31.6	94.8
227	65.8	32.1	96.3





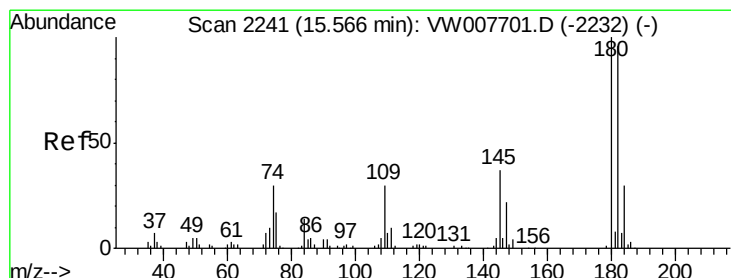
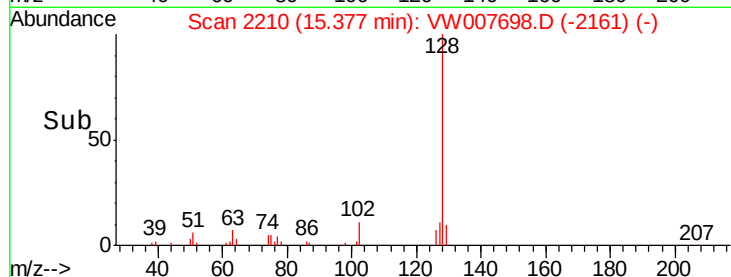
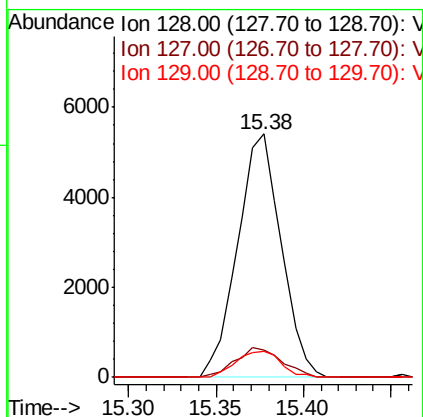
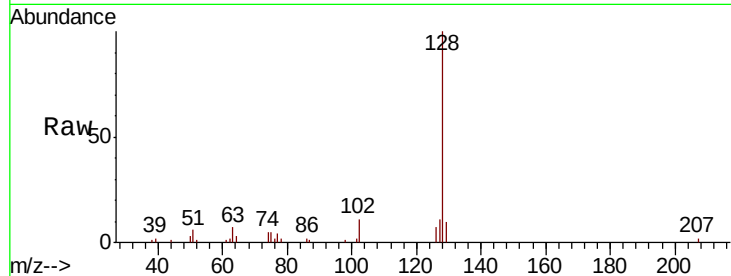
#95
Naphthalene
Concen: 4.503 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 5.078 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007698.D
Acq: 19 Dec 2018 13:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	34.9	18.4	55.0

