

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122118\
 Data File : VW007719.D
 Acq On : 19 Dec 2018 23:55
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

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

Quant Time: Dec 20 07:42:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	132573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	47799	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
35) Dibromofluoromethane	7.88	113	43671	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	10.32	98	167276	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
62) 4-Bromofluorobenzene	12.62	95	63735	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33050	46.809	ug/l	96
3) Chloromethane	2.21	50	25768	59.433	ug/l	99
4) Vinyl Chloride	2.37	62	28405	51.467	ug/l	97
5) Bromomethane	2.78	94	22939	59.674	ug/l	98
6) Chloroethane	2.93	64	17941	60.762	ug/l	98
7) Trichlorofluoromethane	3.26	101	27286	47.488	ug/l	97
8) Diethyl Ether	3.68	74	21094	59.936	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	41872	49.481	ug/l	99
10) Methyl Iodide	4.26	142	73474	54.597	ug/l	98
11) Tert butyl alcohol	5.18	59	15361	261.585	ug/l	97
12) 1,1-Dichloroethene	4.04	96	40505	51.691	ug/l	95
13) Acrolein	3.89	56	12366	263.373	ug/l	98
14) Allyl chloride	4.67	41	58846	57.266	ug/l	96
15) Acrylonitrile	5.36	53	42222	281.243	ug/l	99
16) Acetone	4.12	43	37767	231.683	ug/l	92
17) Carbon Disulfide	4.37	76	123362	50.873	ug/l	98
18) Methyl Acetate	4.67	43	22201	57.267	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	66594	59.197	ug/l	96
20) Methylene Chloride	4.91	84	46903	58.622	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	46033	53.414	ug/l	92
22) Diisopropyl ether	6.31	45	117414	61.022	ug/l	98
23) Vinyl Acetate	6.25	43	331157	289.681	ug/l	99
24) 1,1-Dichloroethane	6.21	63	77752	54.929	ug/l	99
25) 2-Butanone	7.17	43	50261	263.237	ug/l	99
26) 2,2-Dichloropropane	7.17	77	53596	51.743	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51539	56.132	ug/l	99
28) Bromochloromethane	7.51	49	27400	56.773	ug/l	96
29) Tetrahydrofuran	7.53	42	32257	283.231	ug/l	99
30) Chloroform	7.67	83	87698	54.746	ug/l	97
31) Cyclohexane	7.96	56	65238	50.343	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	76340	52.326	ug/l	100
36) 1,1-Dichloropropene	8.08	75	65109	50.884	ug/l	100
37) Ethyl Acetate	7.25	43	23977	54.296	ug/l	97
38) Carbon Tetrachloride	8.07	117	70868	47.028	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	79336	49.897	ug/l	99
40) Benzene	8.32	78	179845	52.671	ug/l	98
41) Methacrylonitrile	7.49	41	14327	57.144	ug/l	93
42) 1,2-Dichloroethane	8.40	62	59705	52.177	ug/l	99
43) Isopropyl Acetate	8.43	43	48594	54.926	ug/l	99
44) Trichloroethene	9.09	130	52543	50.884	ug/l	99
45) 1,2-Dichloropropane	9.37	63	42290	55.818	ug/l	98
46) Dibromomethane	9.46	93	24037	51.539	ug/l	99
47) Bromodichloromethane	9.65	83	64634	52.715	ug/l	98
48) Methyl methacrylate	9.43	41	23881	54.077	ug/l	99
49) 1,4-Dioxane	9.45	88	8254	1116.260	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	111602	266.917	ug/l	99
52) Toluene	10.39	92	121010	52.822	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	64463	52.858	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	72931	54.140	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	34003	52.886	ug/l	97
56) Ethyl methacrylate	10.65	69	42578	56.049	ug/l	97
57) 1,3-Dichloropropane	10.93	76	57531	53.885	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	97022	279.734	ug/l	99
59) 2-Hexanone	10.97	43	77146	262.359	ug/l	100
60) Dibromochloromethane	11.13	129	44905	52.748	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34075	52.335	ug/l	100
64) Tetrachloroethene	10.86	164	45378	53.023	ug/l	96
65) Chlorobenzene	11.66	112	137881	52.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48832	52.244	ug/l	99
67) Ethyl Benzene	11.73	91	242321	53.984	ug/l	99
68) m/p-Xylenes	11.84	106	182660	104.901	ug/l	99
69) o-Xylene	12.17	106	88658	54.318	ug/l	98
70) Styrene	12.18	104	146439	54.580	ug/l	99
71) Bromoform	12.35	173	24818	51.149	ug/l #	100
73) Isopropylbenzene	12.47	105	247563	54.191	ug/l	100
74) N-amyl acetate	12.27	43	44387	56.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	36567	53.386	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	28204m	60.378	ug/l	
77) Bromobenzene	12.75	156	55747	53.247	ug/l	98
78) n-propylbenzene	12.81	91	285643	53.714	ug/l	100
79) 2-Chlorotoluene	12.90	91	168273	54.318	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	217743	55.257	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11252	50.562	ug/l	97
82) 4-Chlorotoluene	12.99	91	178006	53.965	ug/l	100
83) tert-Butylbenzene	13.21	119	185695	53.708	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	227790	57.288	ug/l	99
85) sec-Butylbenzene	13.39	105	253679	53.237	ug/l	99
86) p-Isopropyltoluene	13.50	119	228849	52.816	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	109986	52.911	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	109546	52.684	ug/l	99
89) n-Butylbenzene	13.83	91	207934	52.340	ug/l	100
90) Hexachloroethane	14.10	117	39359	51.741	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	99207	53.304	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7251	51.548	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	68470	52.999	ug/l	98
94) Hexachlorobutadiene	15.24	225	35260	51.070	ug/l	98
95) Naphthalene	15.38	128	140116	58.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	59027	53.375	ug/l	100

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

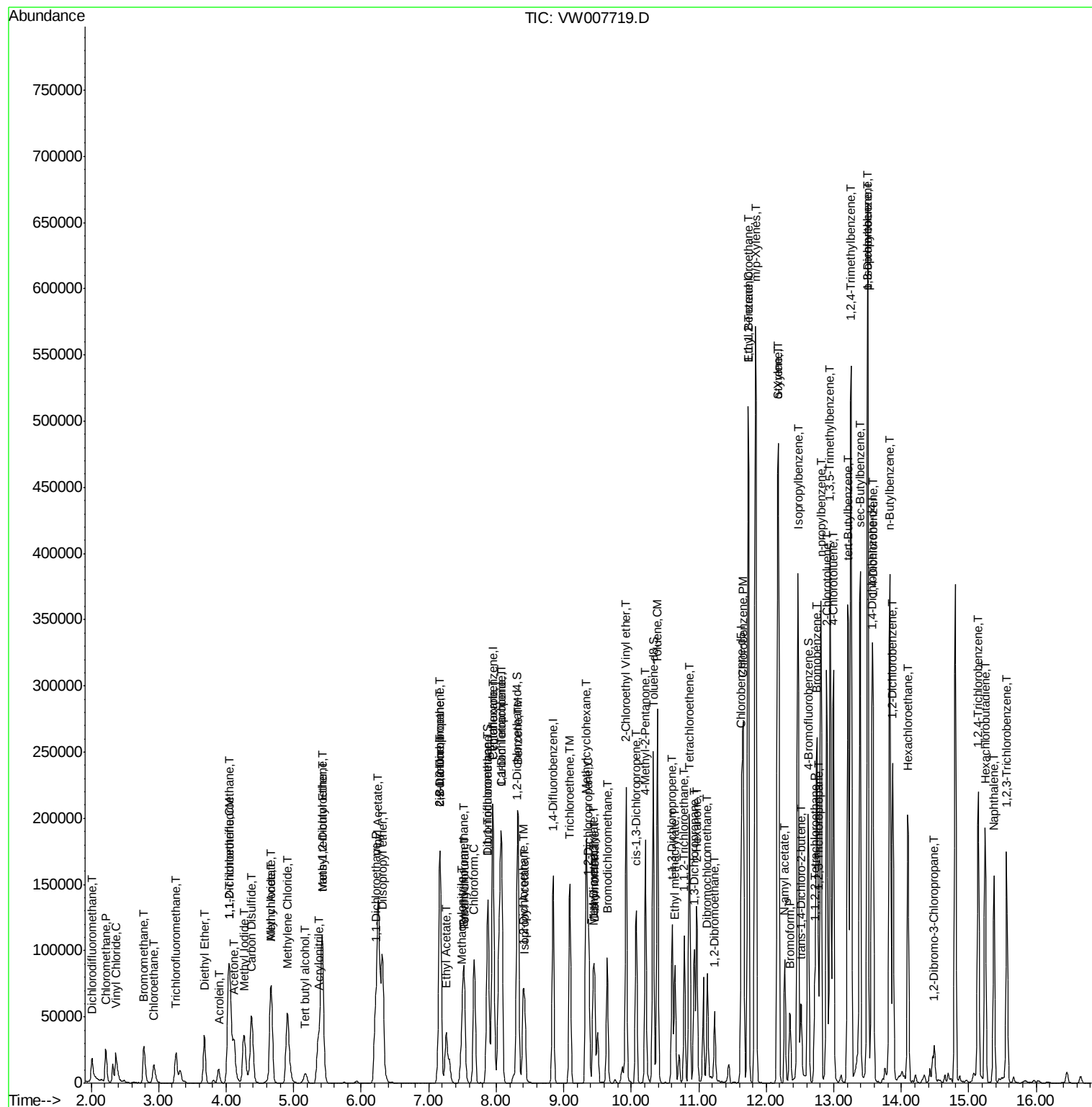
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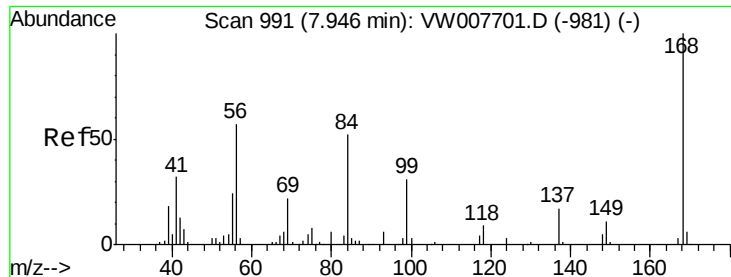
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 79423

Ion Ratio Lower Upper

168 100

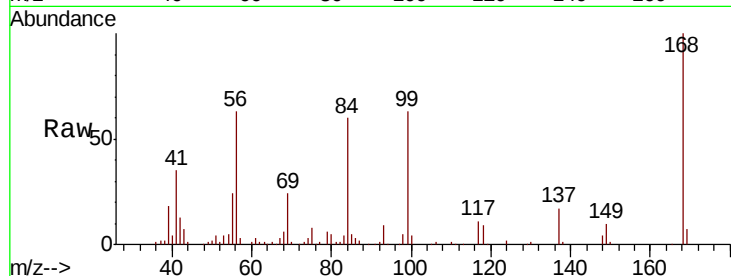
99 63.5 54.0 81.0

Manual Integrations

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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

40000

30000

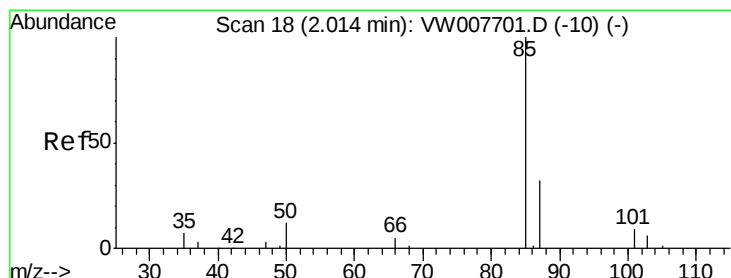
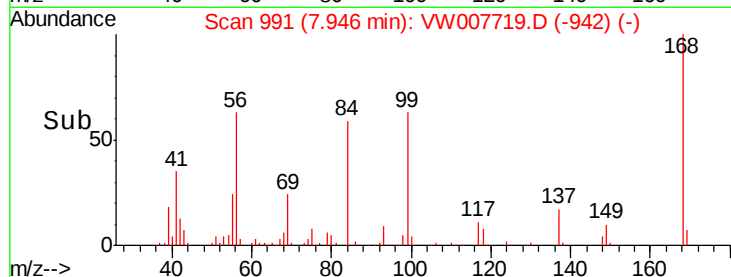
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 46.809 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007719.D

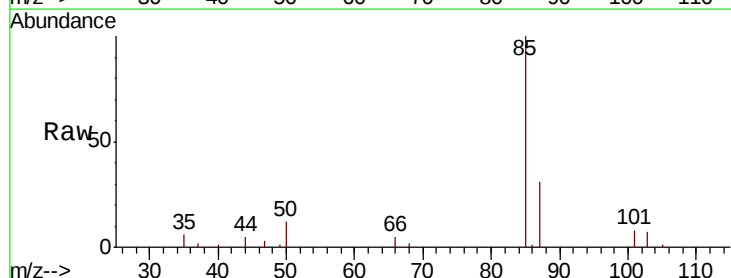
Acq: 19 Dec 2018 23:55

Tgt Ion: 85 Resp: 33050

Ion Ratio Lower Upper

85 100

87 30.5 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

12000

10000

8000

6000

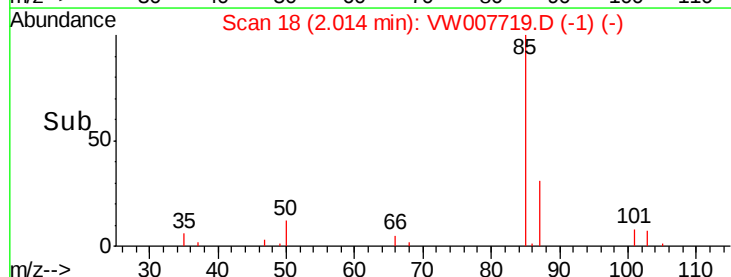
4000

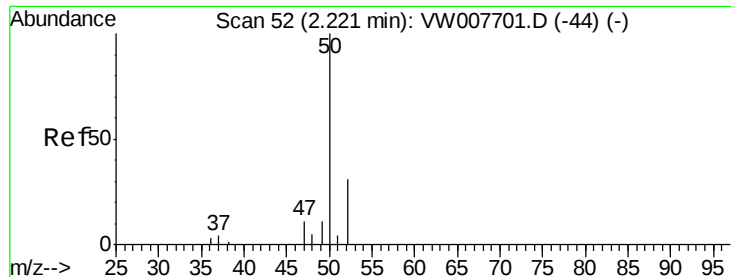
2000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 59.433 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 25768

Ion Ratio Lower Upper

50 100

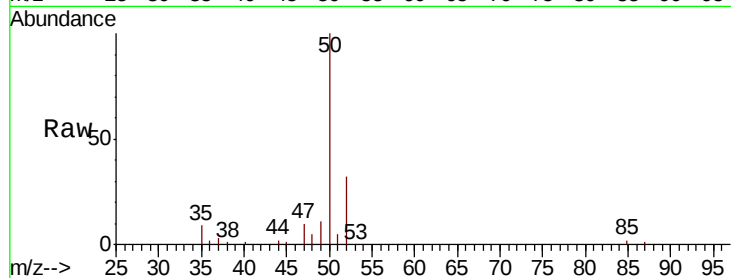
52 32.2 25.1 37.7

Manual Integrations

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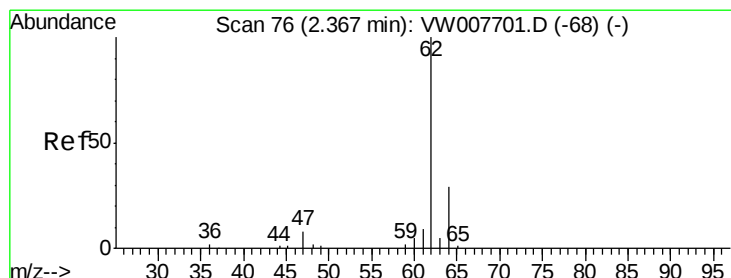
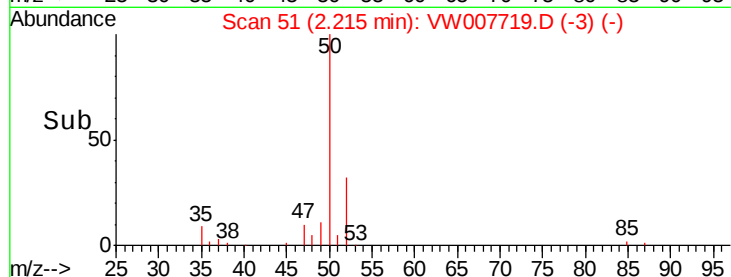
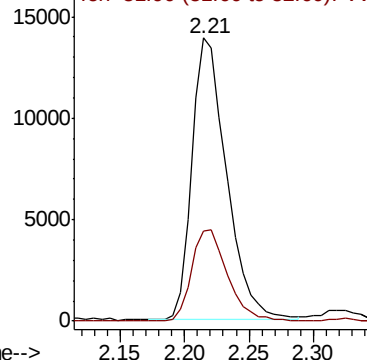
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 51.467 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007719.D

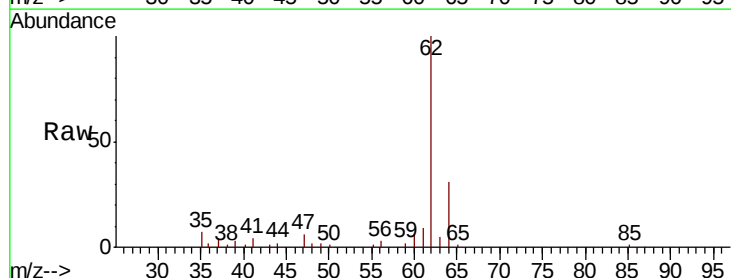
Acq: 19 Dec 2018 23:55

Tgt Ion: 62 Resp: 28405

Ion Ratio Lower Upper

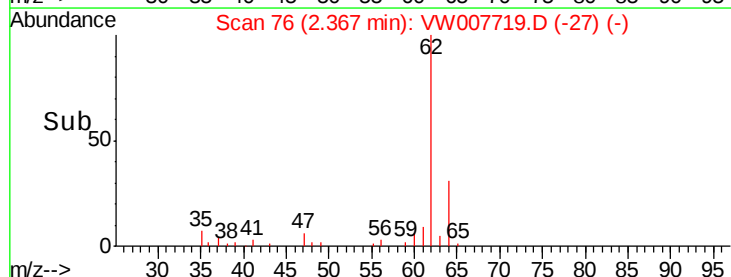
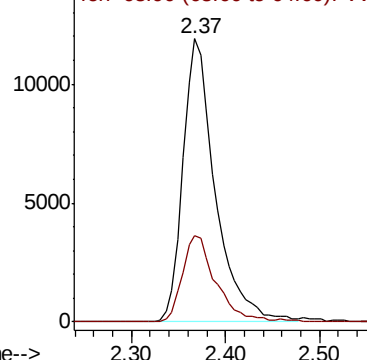
62 100

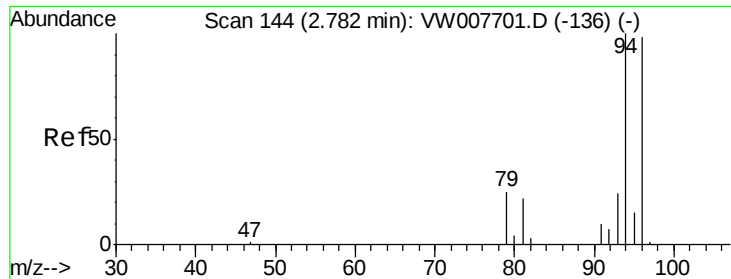
64 30.6 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 59.674 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

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Tot Ion: 94 Resp: 22939

Ion Ratio Lower Upper

94 100

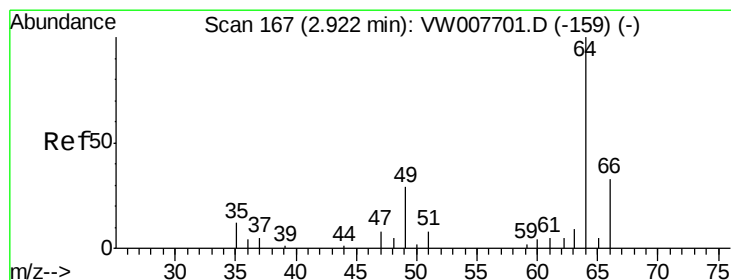
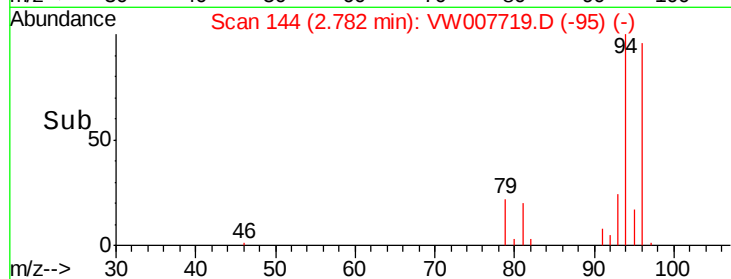
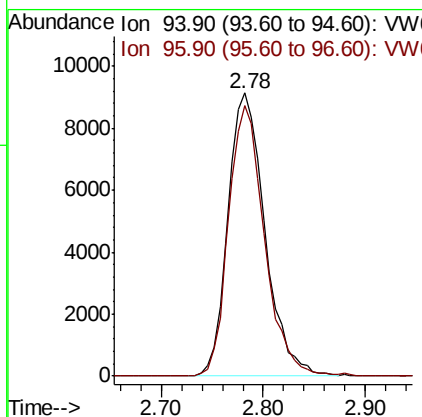
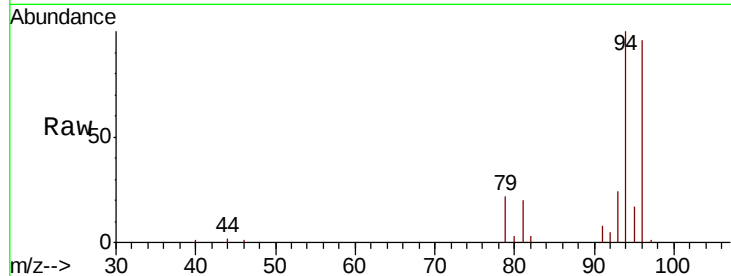
96 95.5 78.2 117.2

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#6

Chloroethane

Concen: 60.762 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007719.D

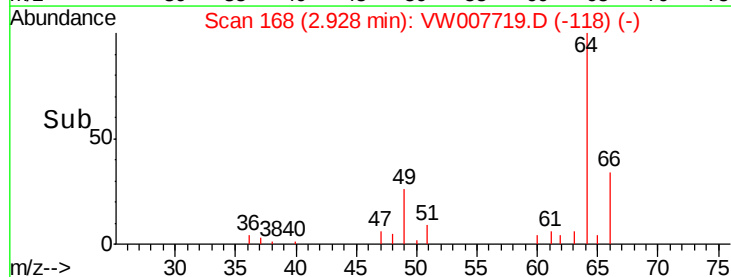
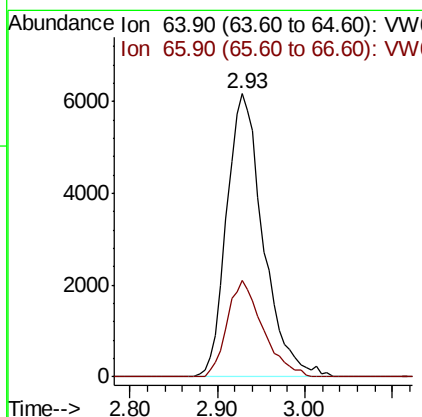
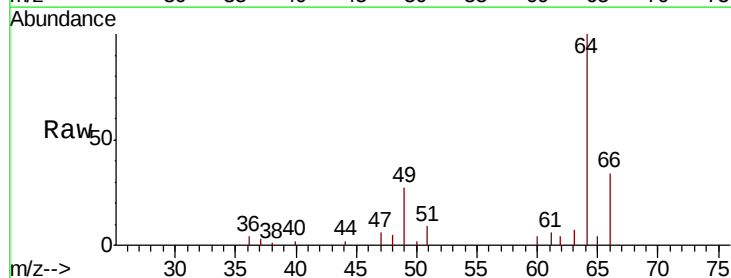
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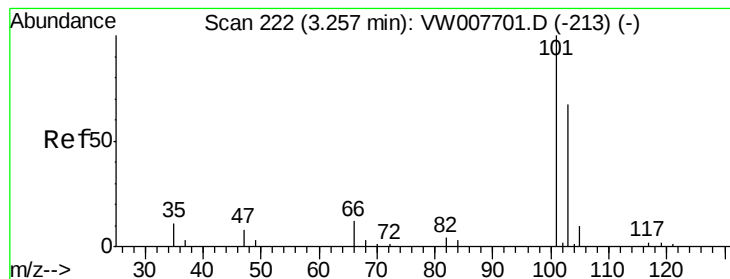
Tgt Ion: 64 Resp: 17941

Ion Ratio Lower Upper

64 100

66 33.9 26.2 39.4





#7

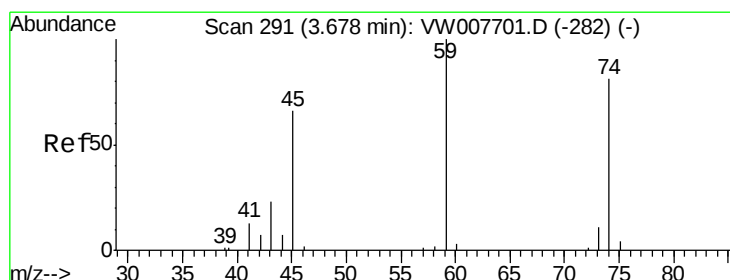
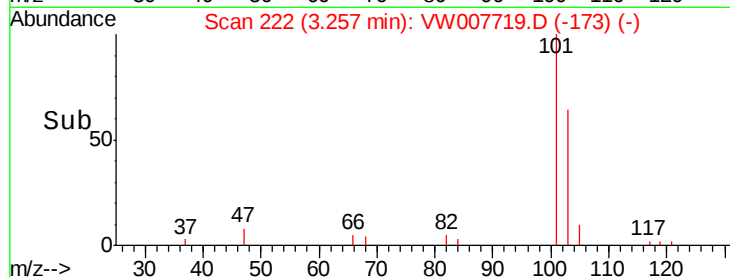
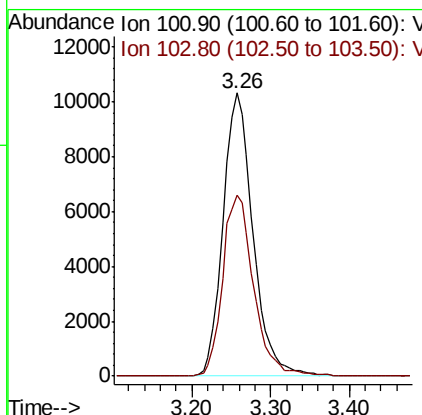
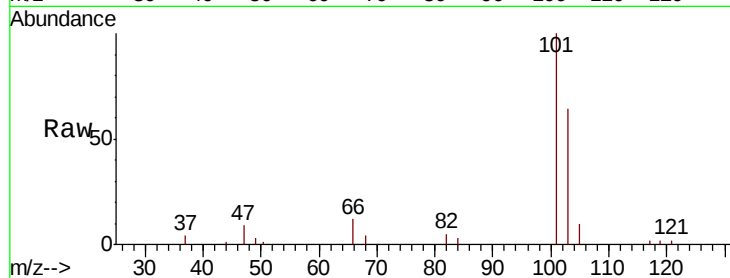
Trichlorofluoromethane
 Concen: 47.488 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007719.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.4	80.2

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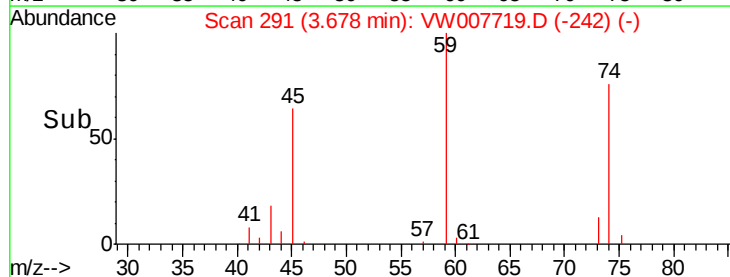
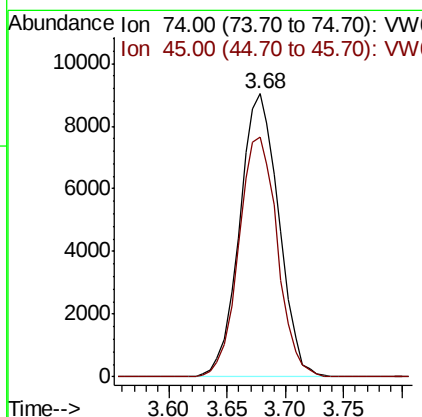
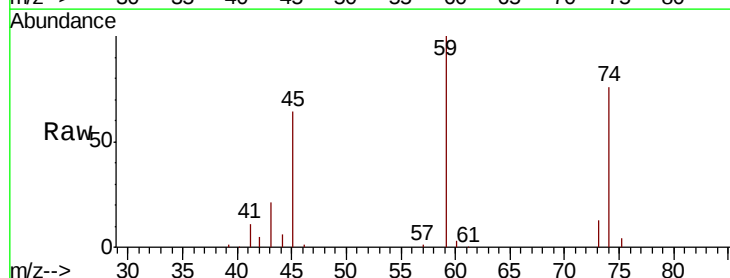
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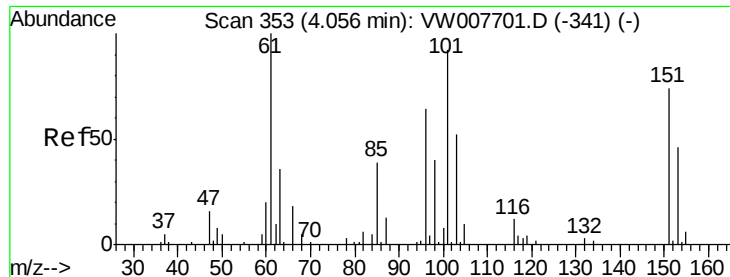


#8

Diethyl Ether
 Concen: 59.936 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.5	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.481 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

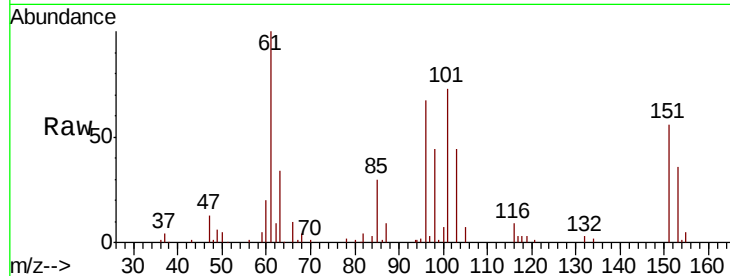
ClientSampleId :

VSTDCCC050EC

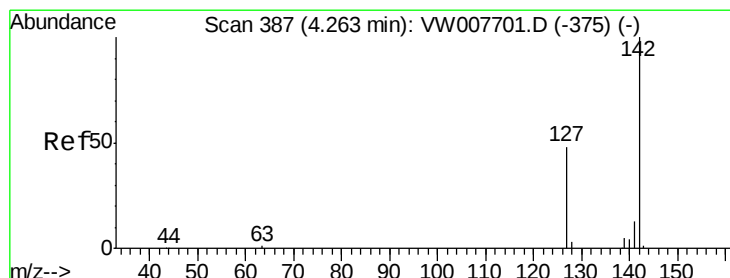
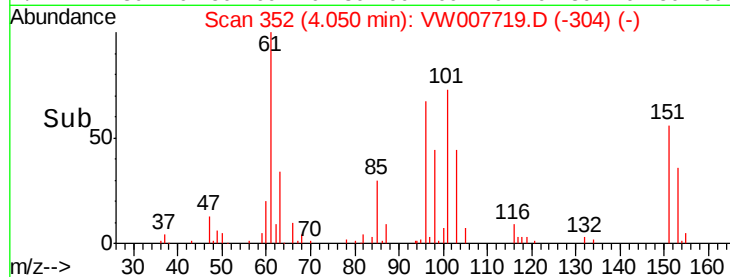
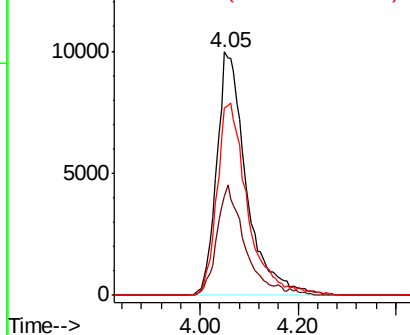
Tot Ion:	101	Resp:	41872
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.3	51.5
151	81.1	64.6	96.8

Manual Integrations
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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: 54.597 ug/l

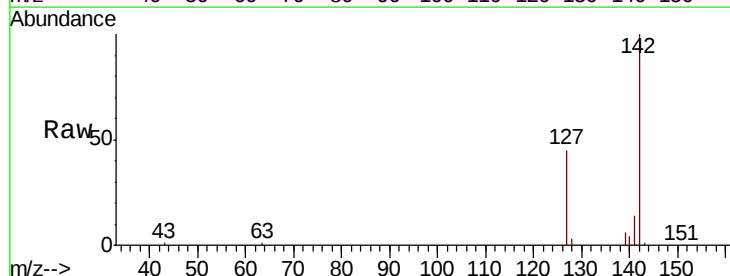
RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

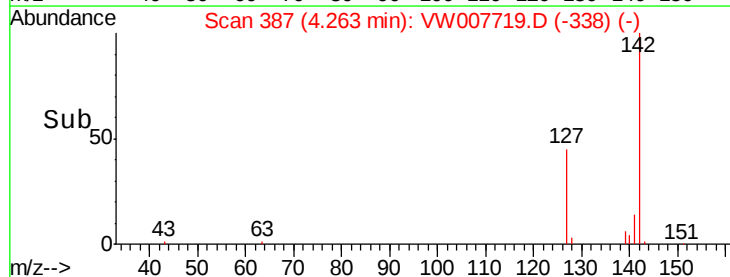
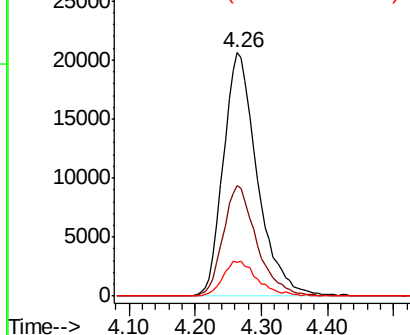
Lab File: VW007719.D

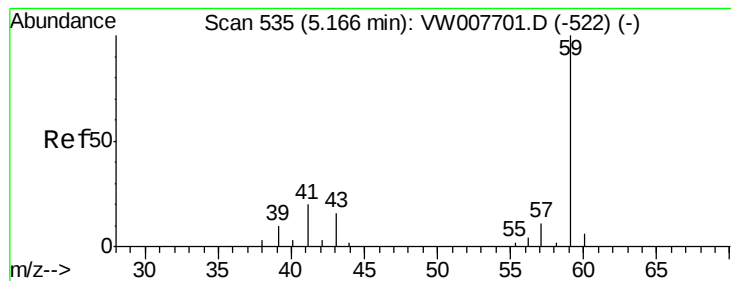
Acq: 19 Dec 2018 23:55

Tgt Ion:	142	Resp:	73474
Ion Ratio	Lower	Upper	
142	100		
127	45.0	37.7	56.5
141	14.5	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

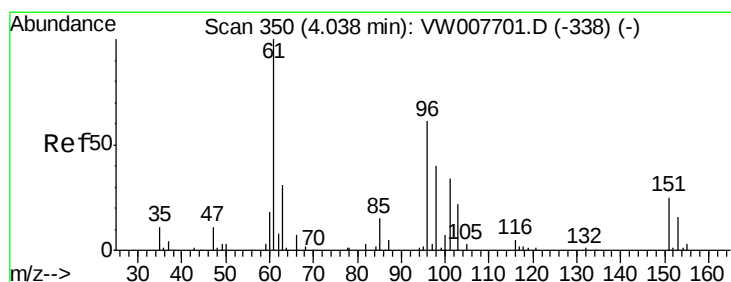
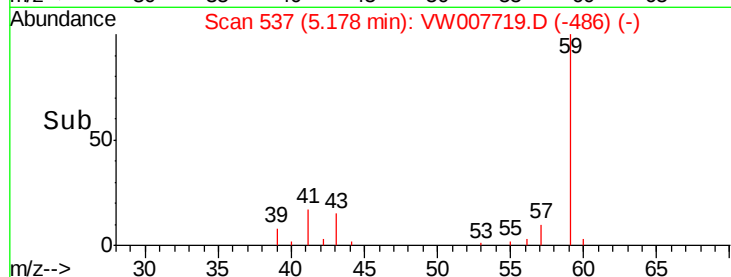
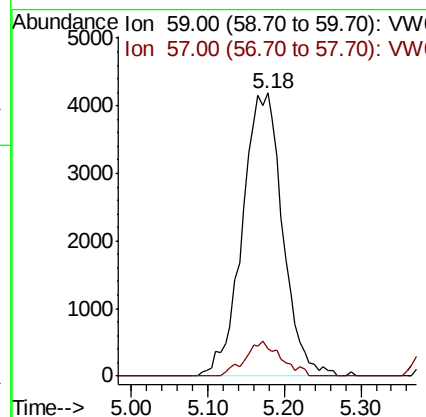
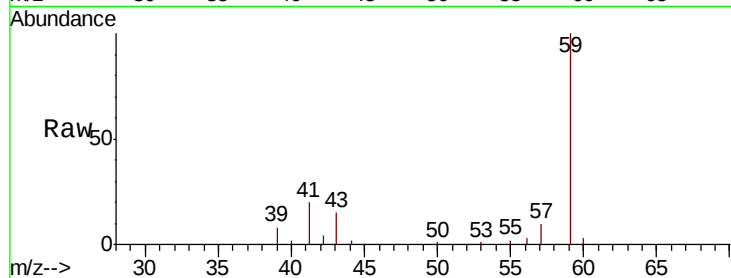
Tert butyl alcohol
Concen: 261.585 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

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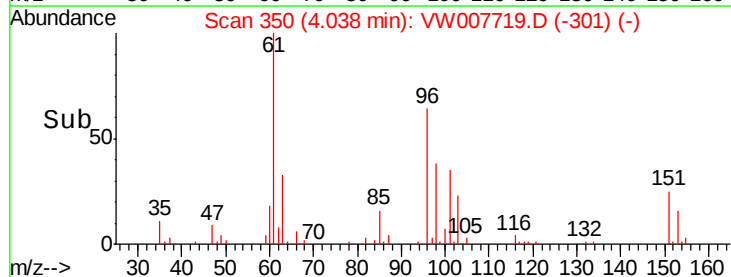
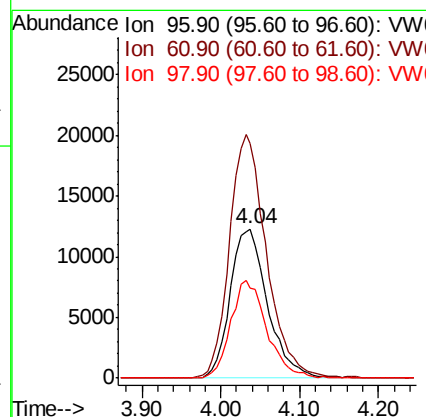
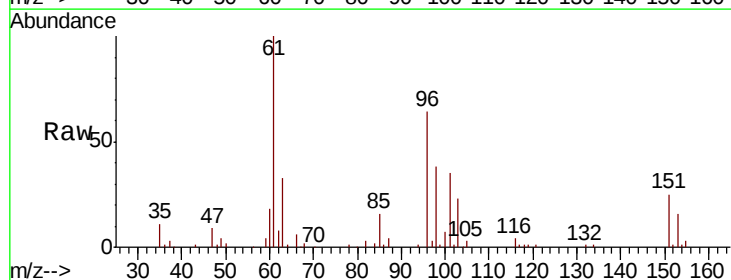
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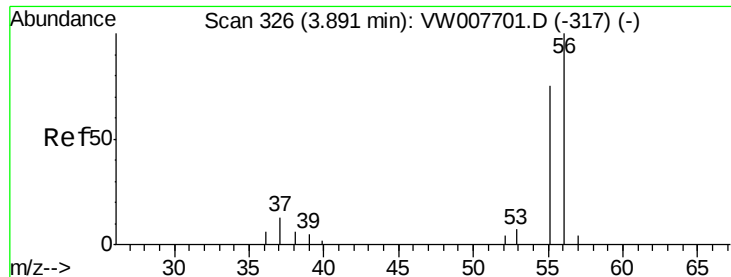


#12

1,1-Dichloroethene
Concen: 51.691 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	130.6	195.8
98	59.9	52.3	78.5





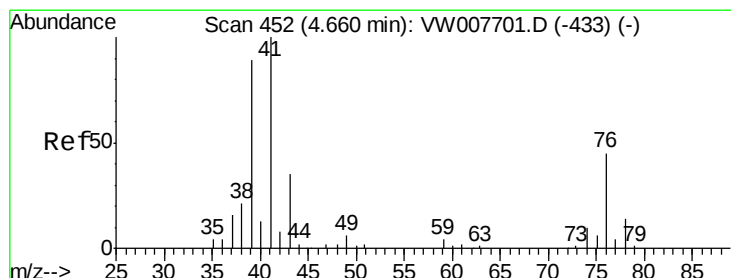
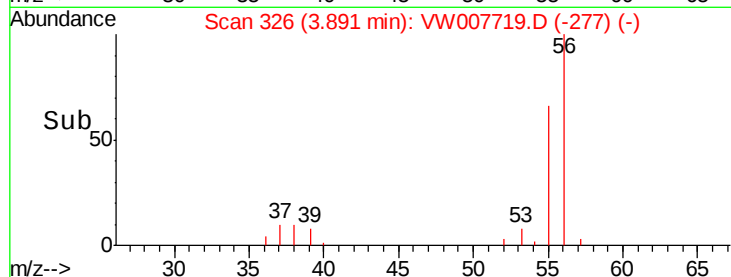
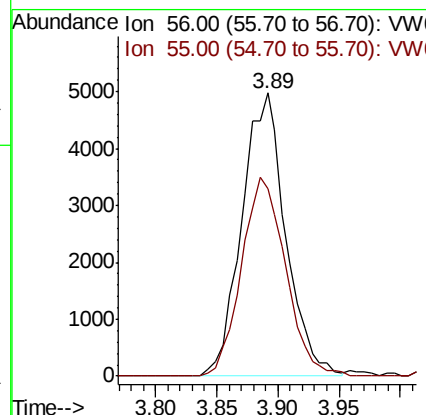
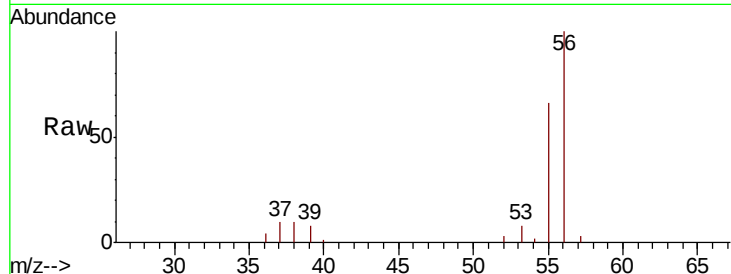
#13
Acrolein
Concen: 263.373 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	12366
Ion Ratio	100	Lower	Upper
56	100		
55	70.7	57.7	86.5

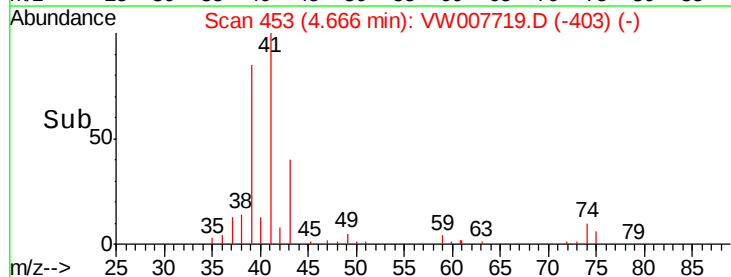
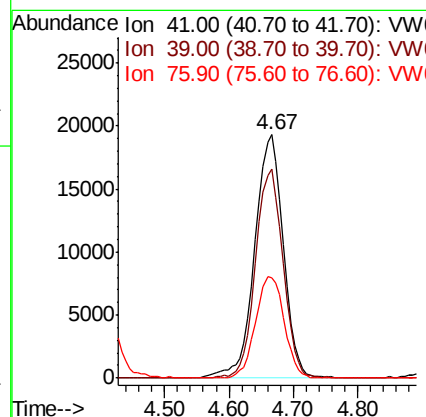
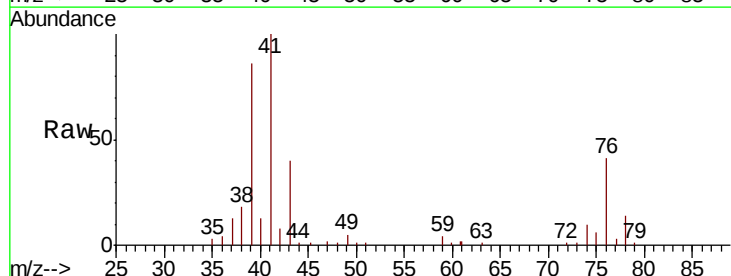
Manual Integrations
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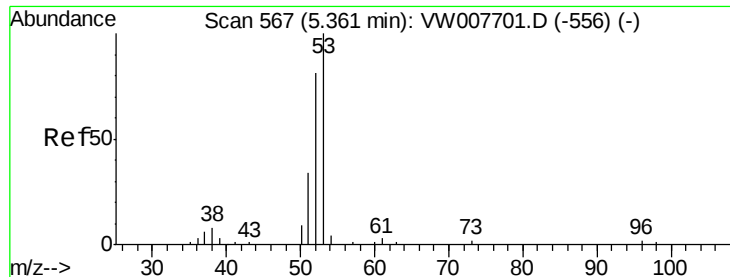
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#14
Allyl chloride
Concen: 57.266 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	41	Resp	58846
Ion Ratio	100	Lower	Upper
41	100		
39	82.8	69.5	104.3
76	41.4	34.8	52.2





#15

Acrylonitrile

Concen: 281.243 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

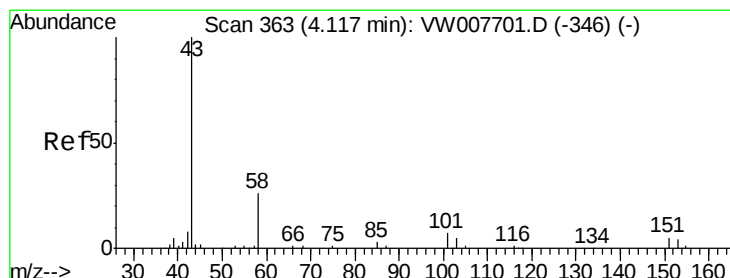
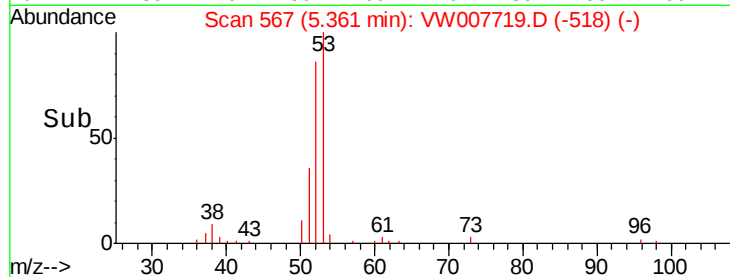
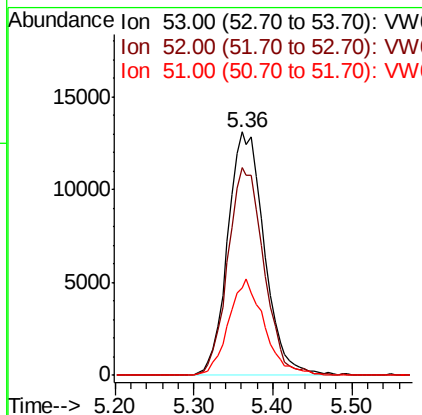
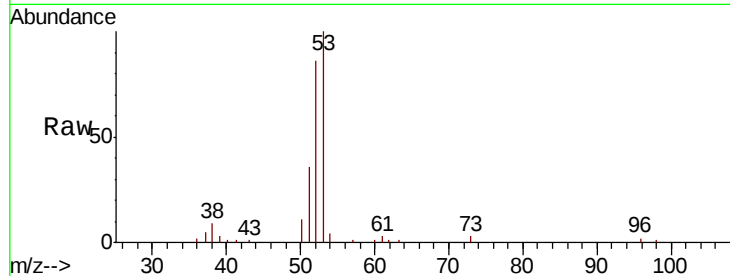
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	42222
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.0	100.4
51	38.8	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 231.683 ug/l

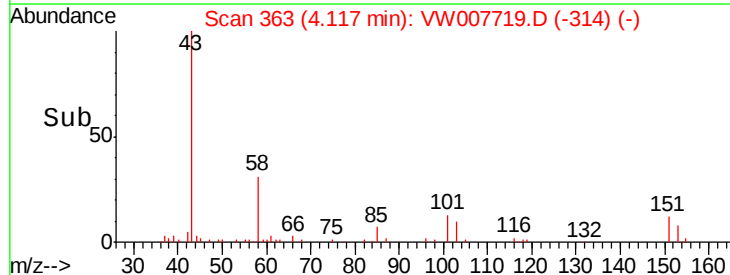
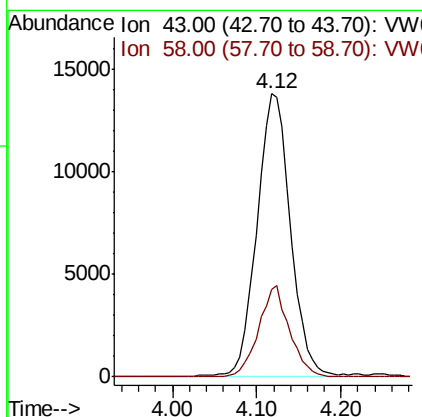
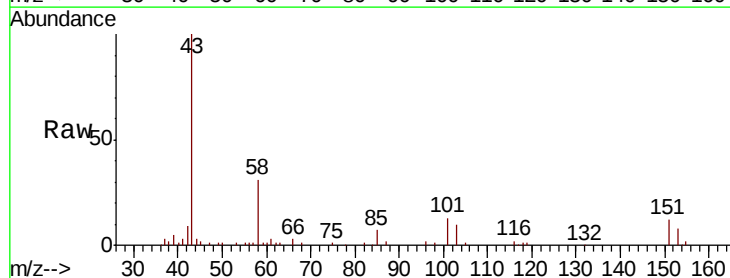
RT: 4.12 min Scan# 363

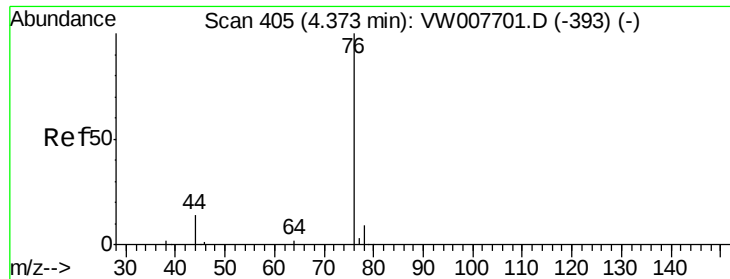
Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion:	43	Resp:	37767
Ion	Ratio	Lower	Upper
43	100		
58	30.7	21.2	31.8





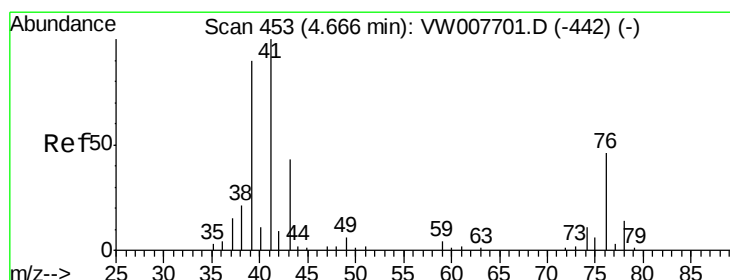
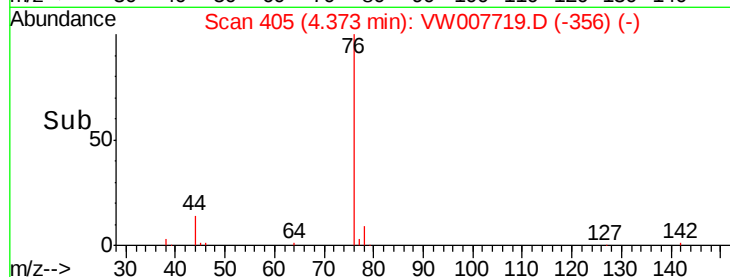
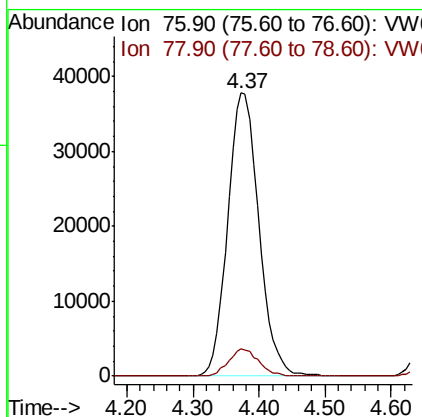
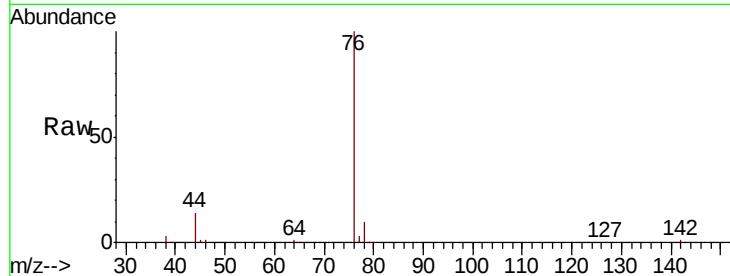
#17
Carbon Disulfide
Concen: 50.873 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9

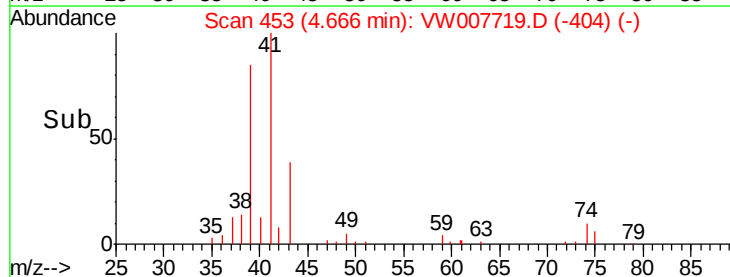
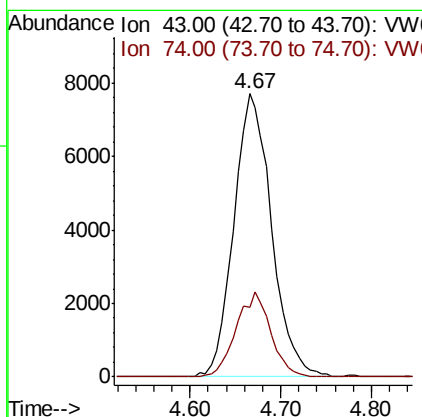
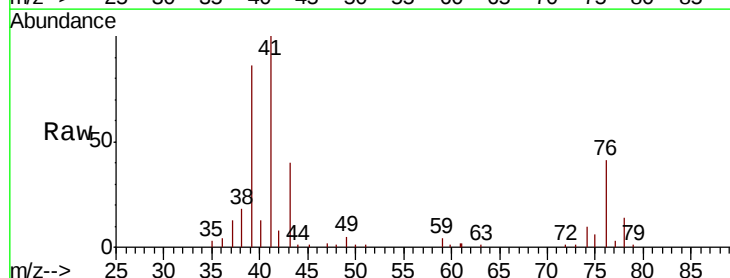
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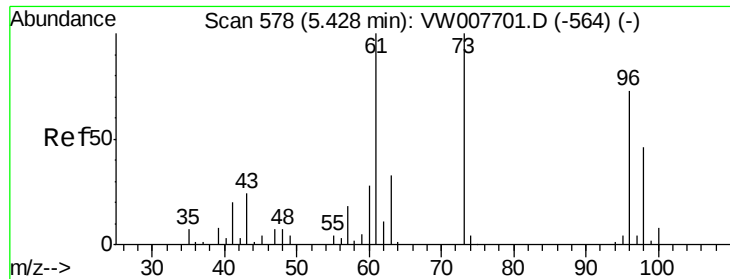
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#18
Methyl Acetate
Concen: 57.267 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	22.7	34.1





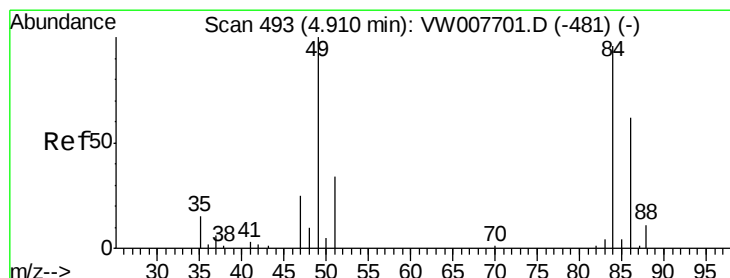
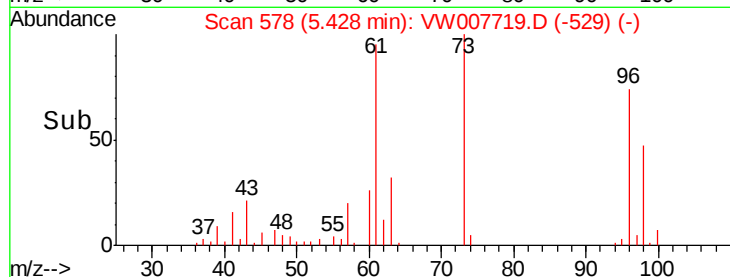
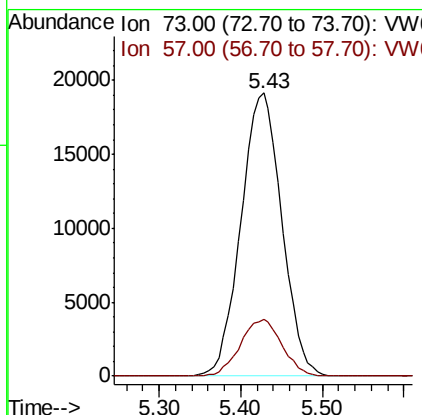
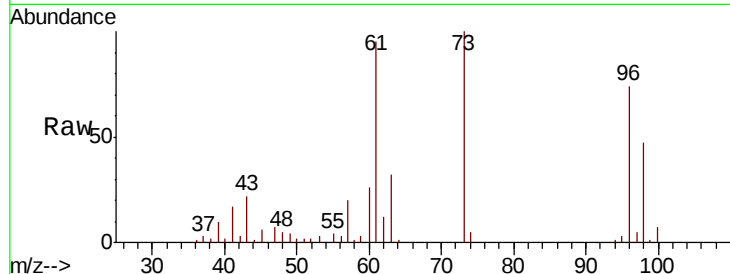
#19
Methvl tert-butvl Ether
Concen: 59.197 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 66594
Ion Ratio Lower Upper
73 100
57 20.2 14.7 22.1

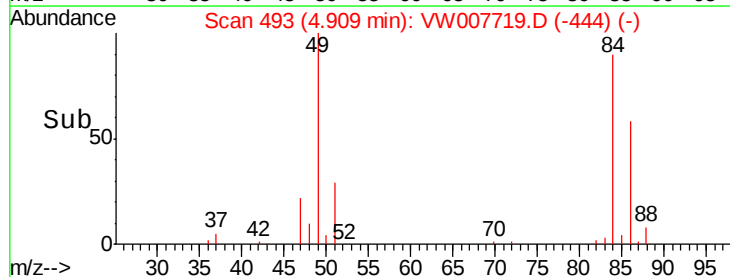
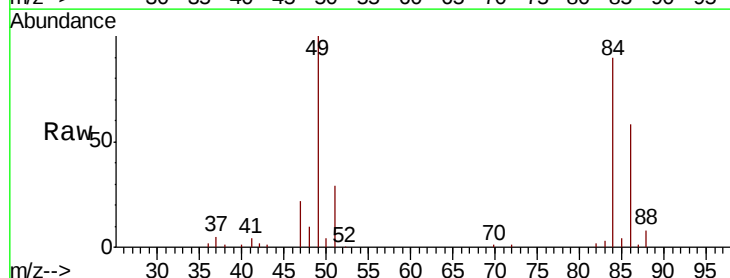
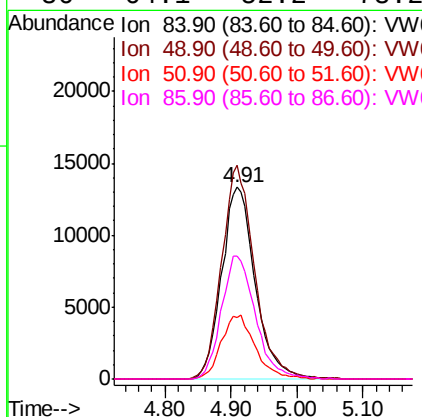
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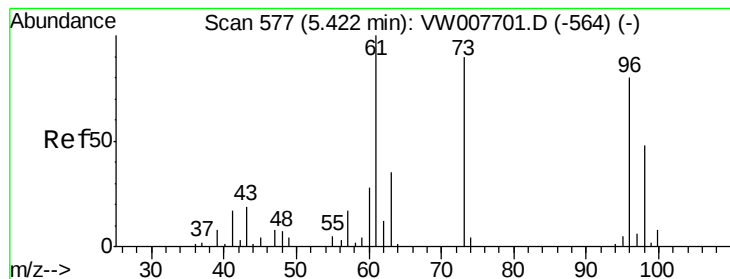
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#20
Methylene Chloride
Concen: 58.622 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 84 Resp: 46903
Ion Ratio Lower Upper
84 100
49 111.4 83.7 125.5
51 32.2 28.2 42.2
86 64.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 53.414 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 46033

Ion Ratio Lower Upper

96 100

61 138.0 100.1 150.1

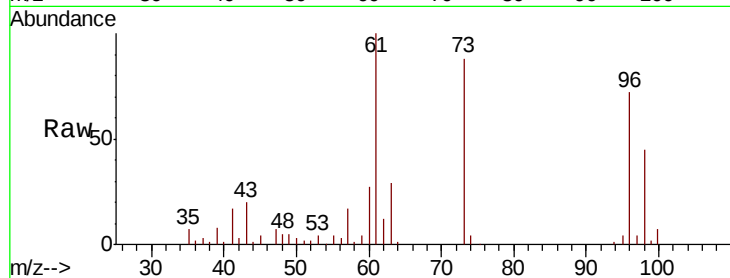
98 62.6 48.5 72.7

Manual Integrations

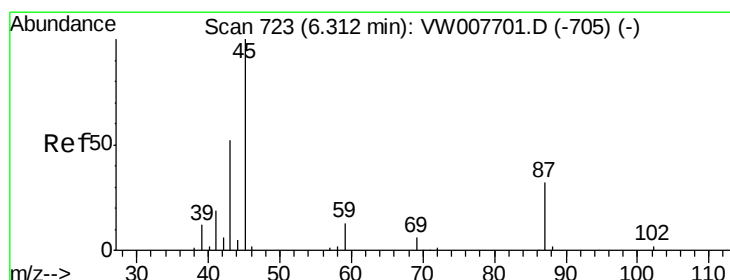
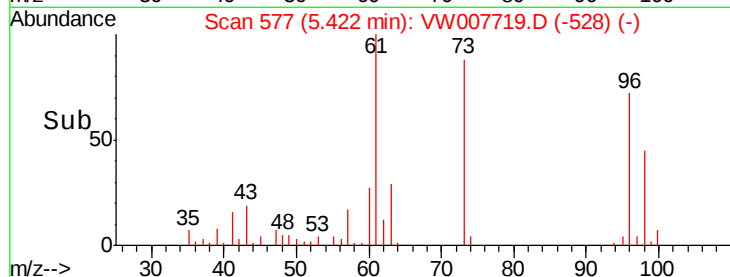
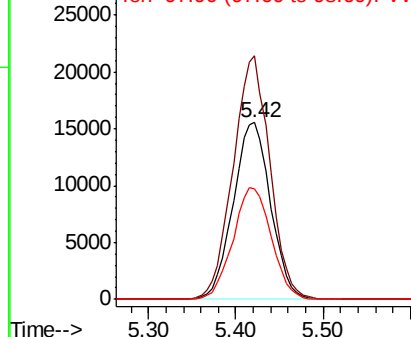
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 61.022 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion: 45 Resp: 117414

Ion Ratio Lower Upper

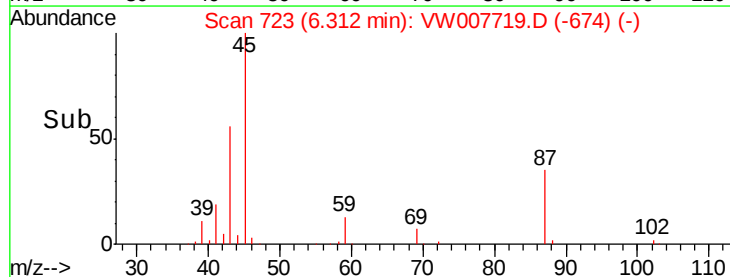
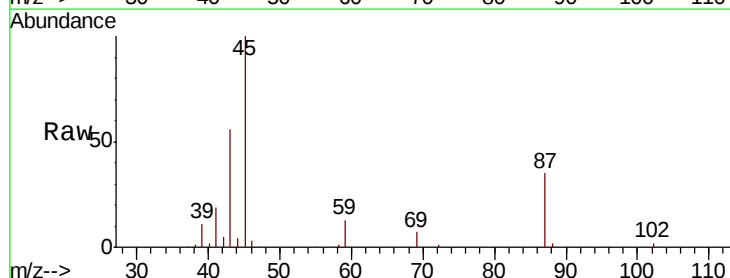
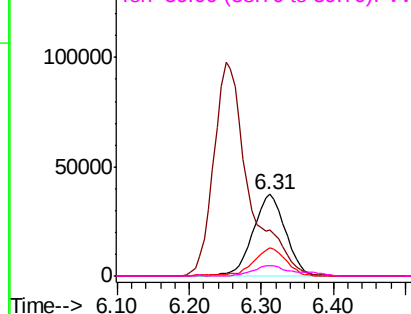
45 100

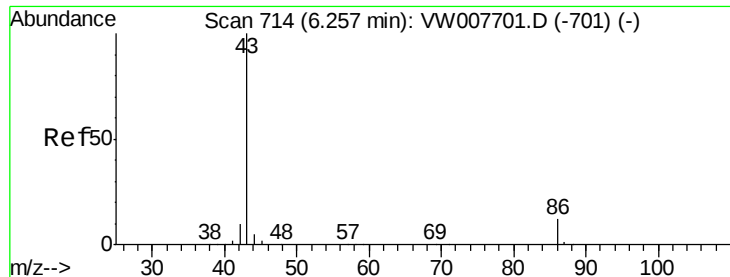
43 55.4 43.7 65.5

87 34.6 26.6 40.0

59 12.2 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: 289.681 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 331157

Ion Ratio Lower Upper

43 100

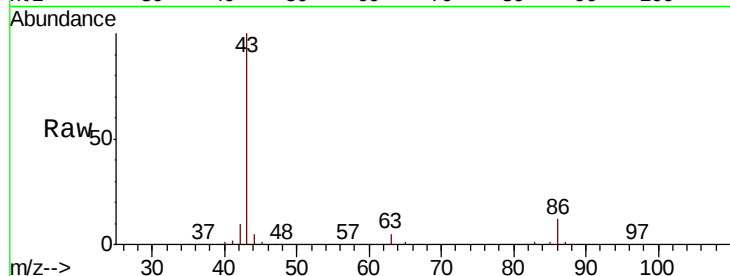
86 11.7 9.6 14.4

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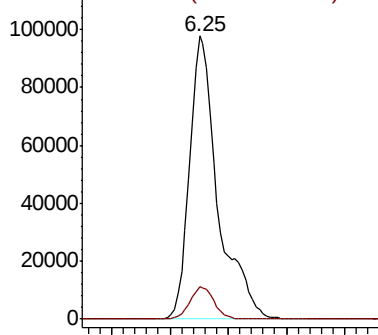
apatel

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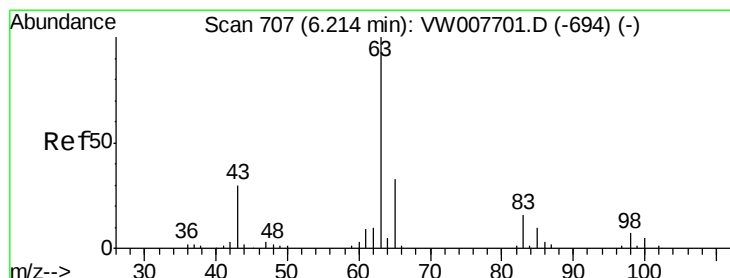
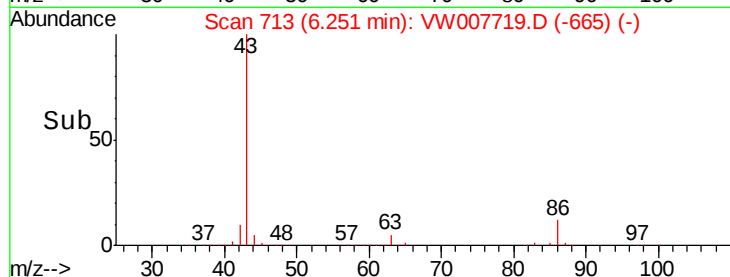


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 54.929 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

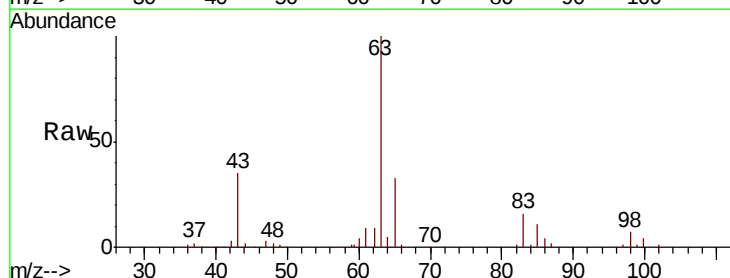
Tgt Ion: 63 Resp: 77752

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

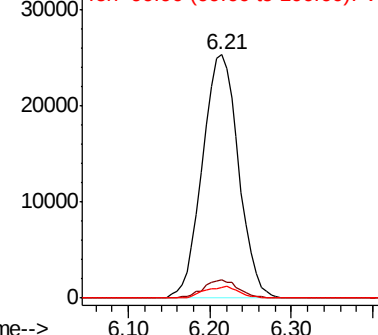
100 4.3 2.5 7.5



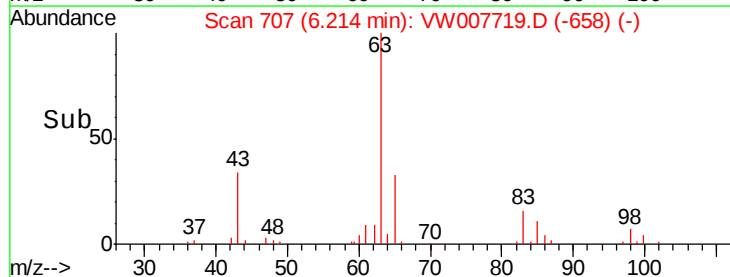
Abundance Ion 62.90 (62.60 to 63.60): VW

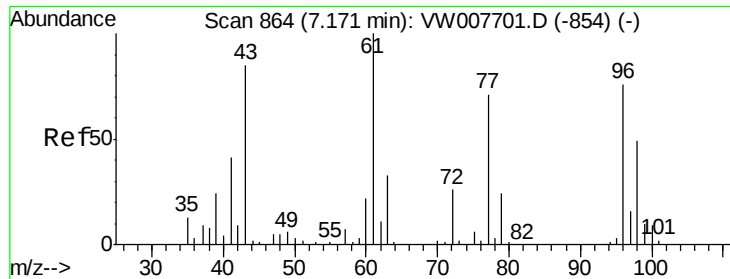
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 263.237 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 50261

Ion Ratio Lower Upper

43 100

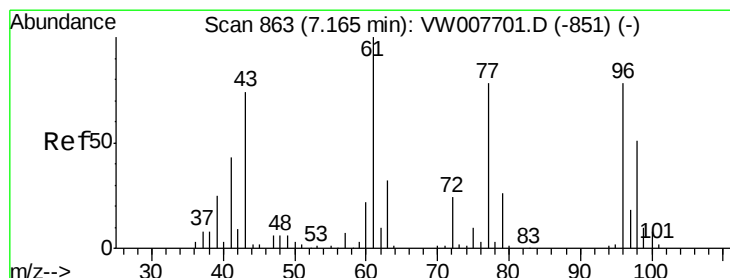
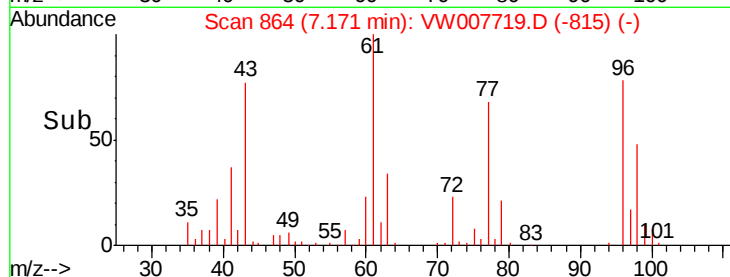
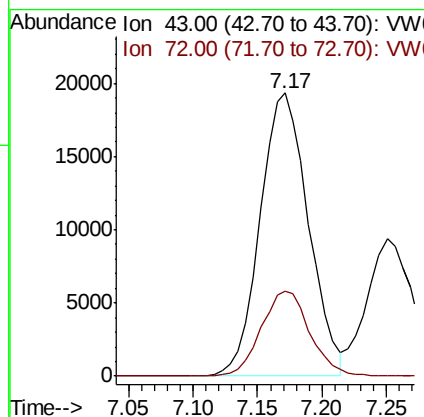
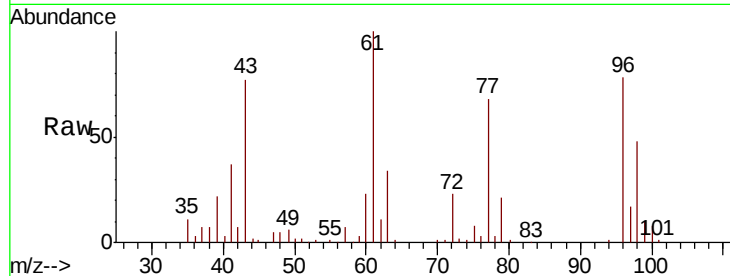
72 29.8 24.5 36.7

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#26

2,2-Dichloropropane

Concen: 51.743 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007719.D

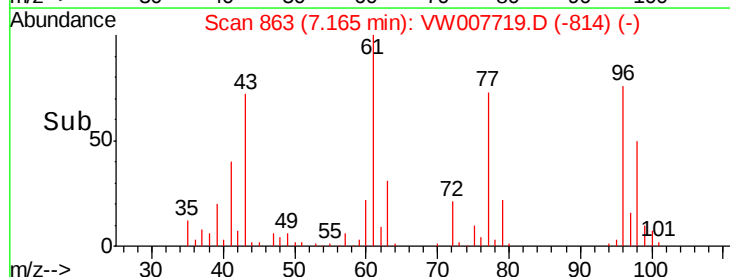
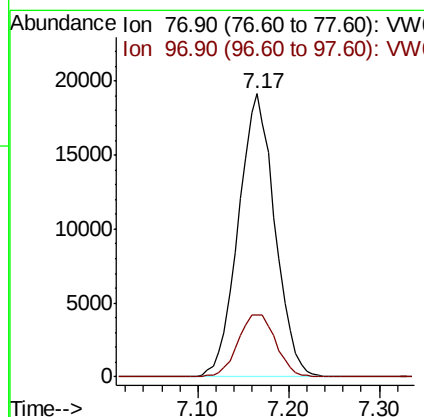
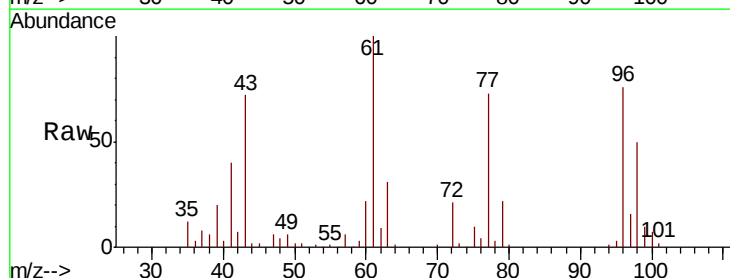
Acq: 19 Dec 2018 23:55

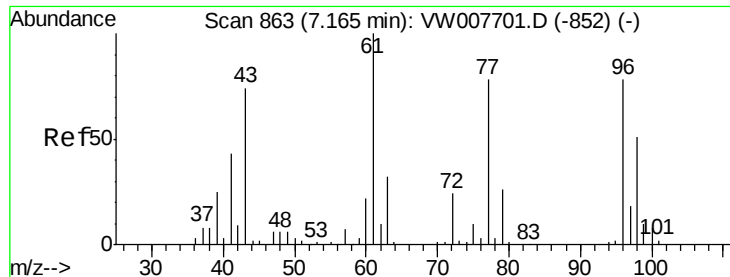
Tgt Ion: 77 Resp: 53596

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9





#27

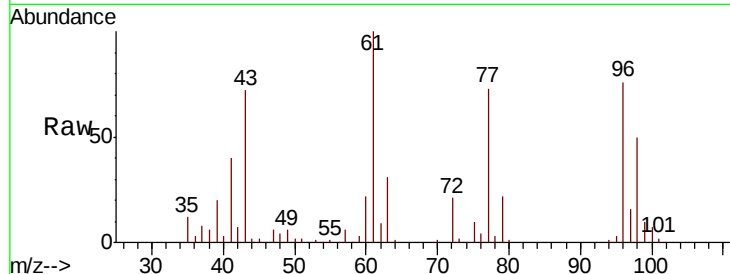
cis-1,2-Dichloroethene
Concen: 56.132 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	271.6
98	63.7	0.0	131.2

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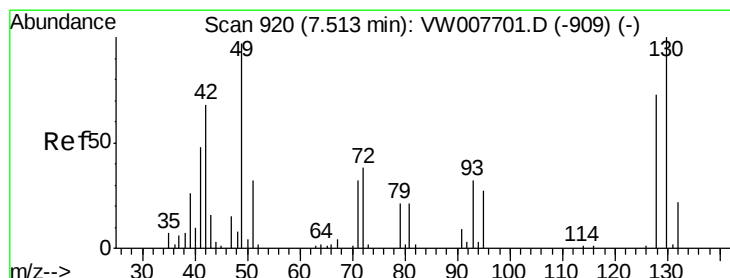
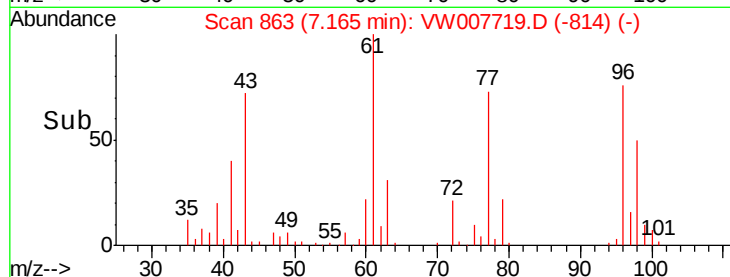
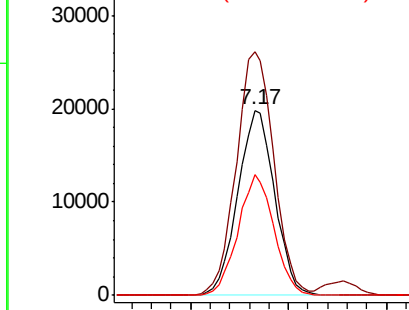


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

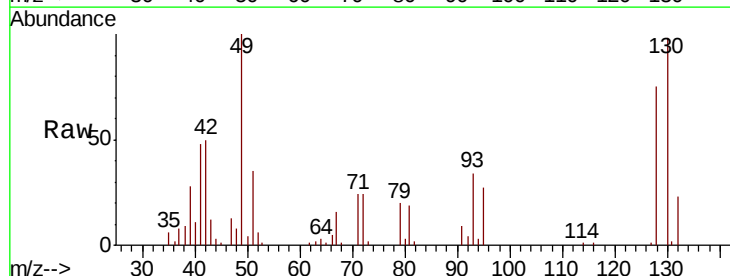
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 56.773 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.2
130	97.3	81.5	122.3

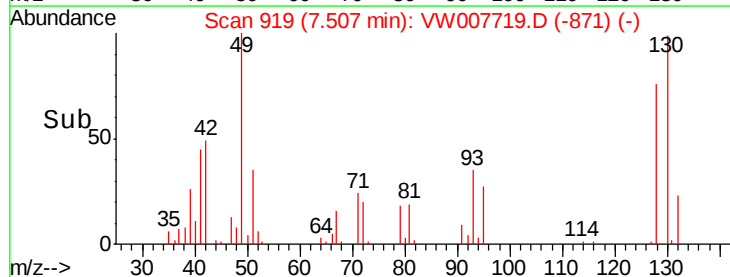
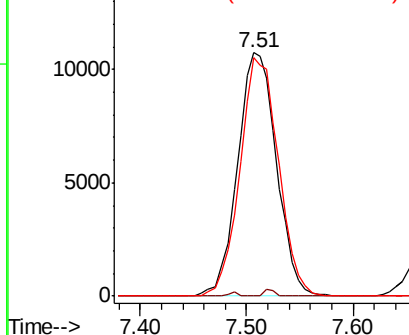


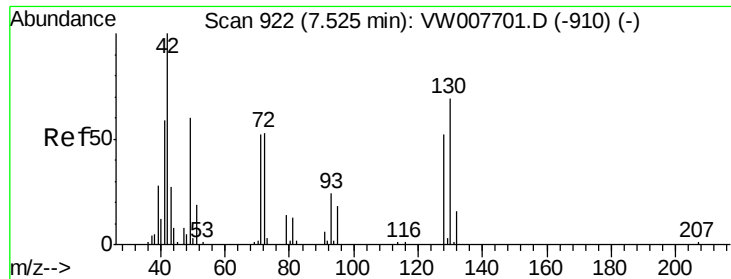
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





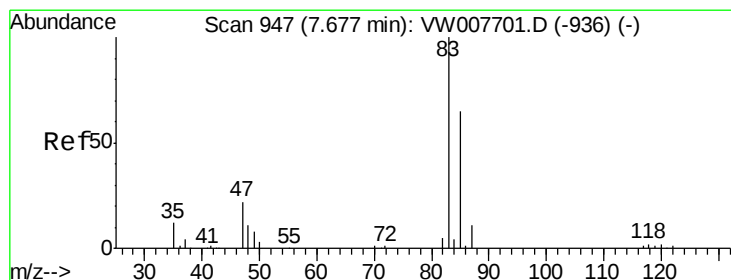
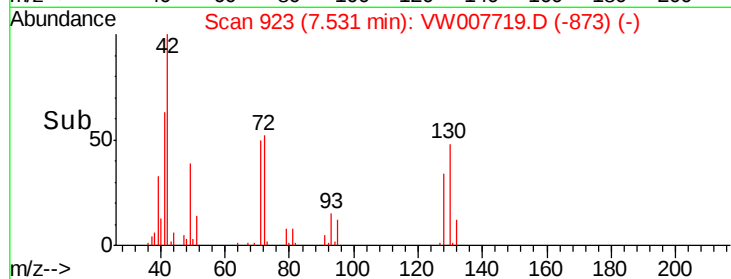
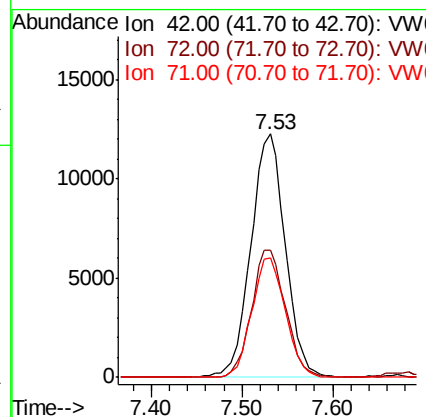
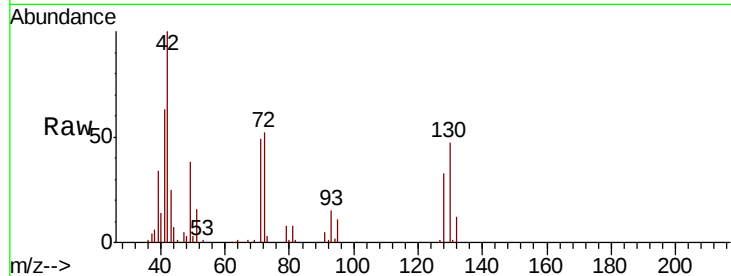
#29
Tetrahydrofuran
Concen: 283.231 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	41.7	62.5
71	47.6	39.0	58.6

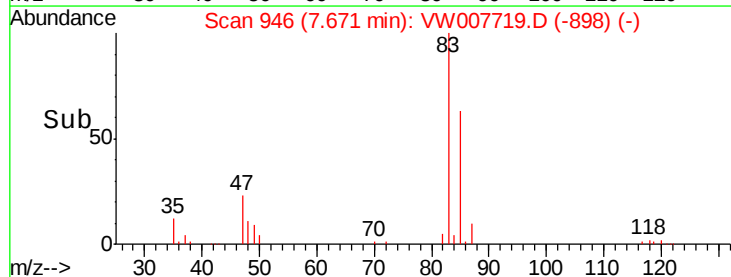
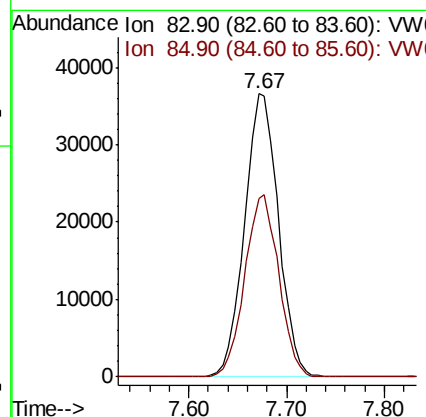
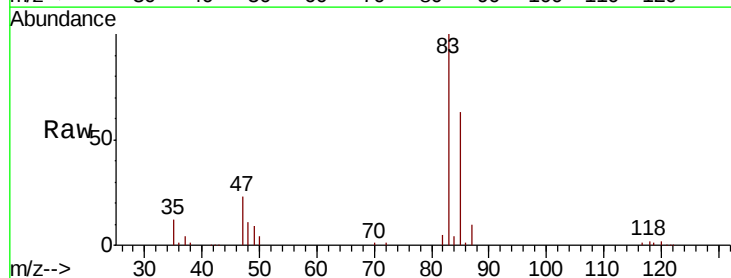
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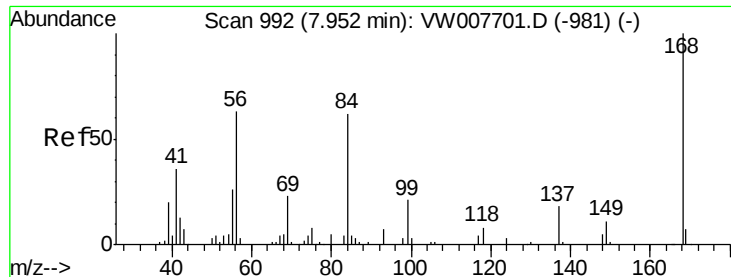
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#30
Chloroform
Concen: 54.746 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.2





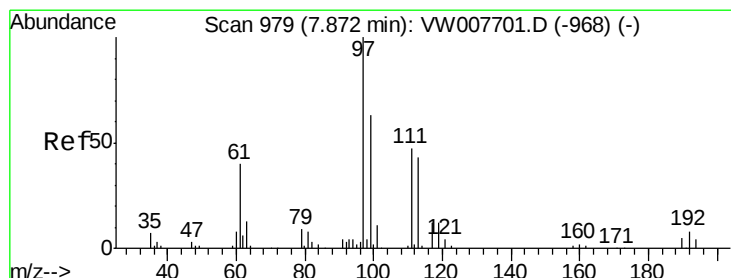
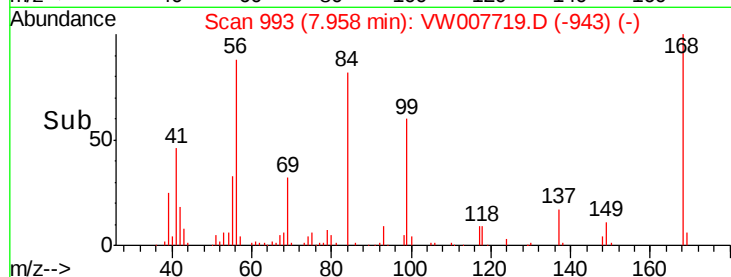
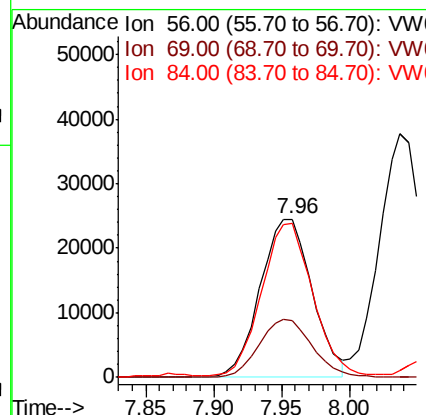
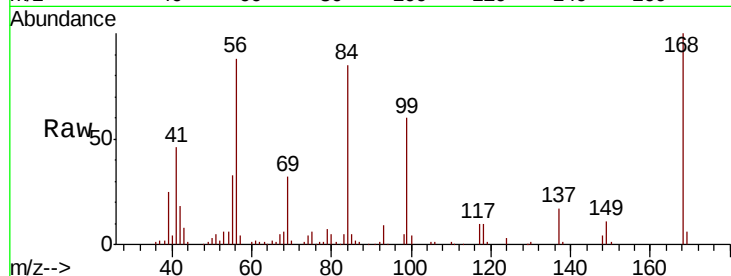
#31
Cyclohexane
Concen: 50.343 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	29.7	44.5
84	95.9	78.9	118.3

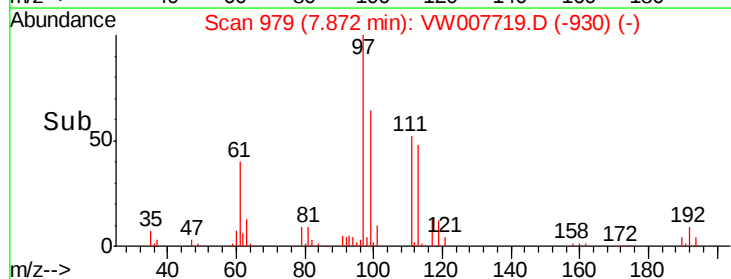
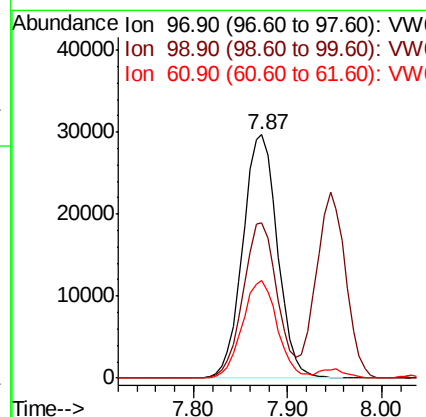
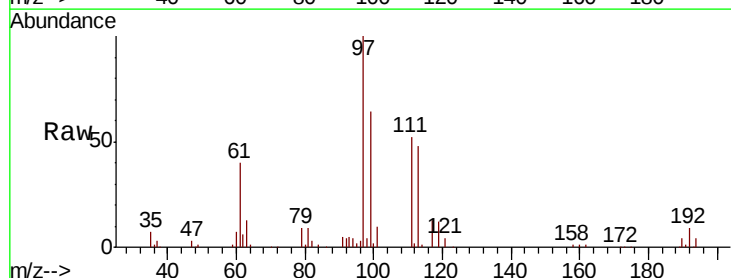
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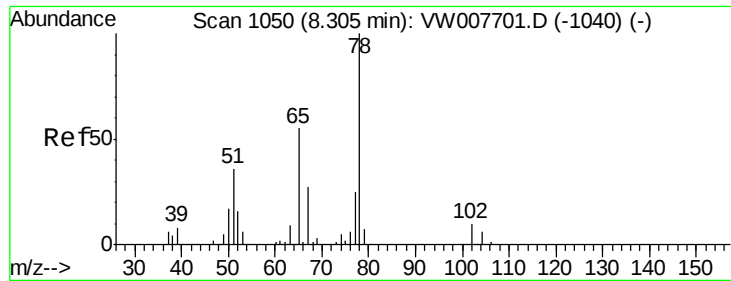
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#32
1,1,1-Trichloroethane
Concen: 52.326 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.6	76.0
61	40.4	32.3	48.5





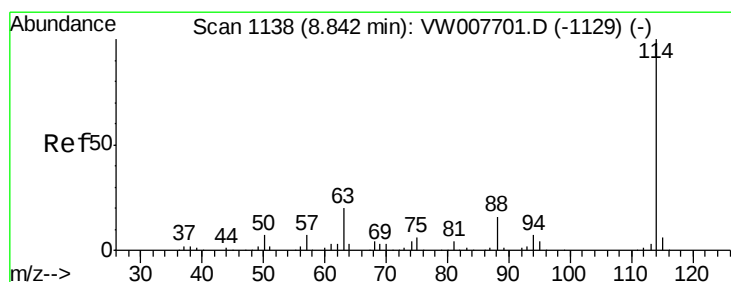
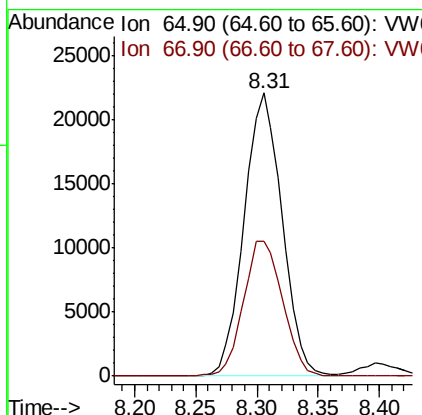
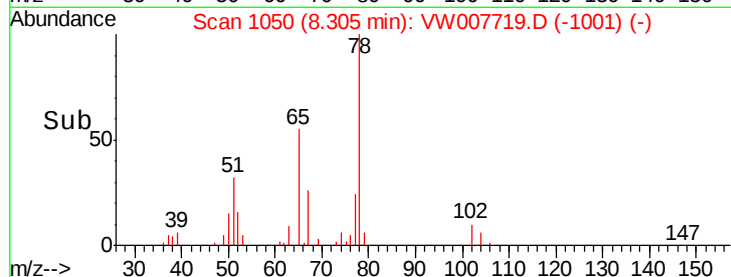
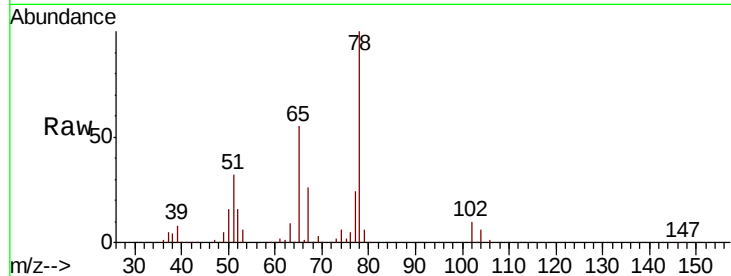
#33
 1,2-Dichloroethane-d4
 Concen: 54.909 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	100.6

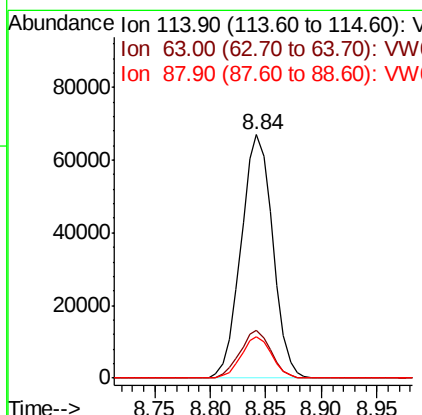
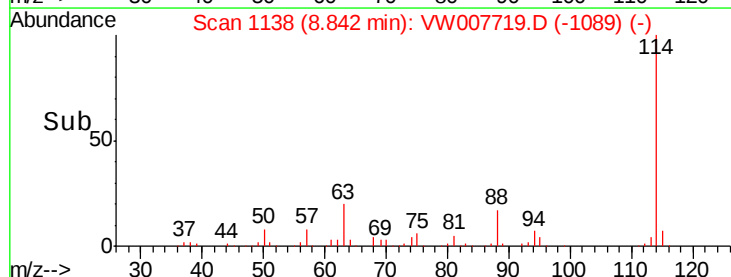
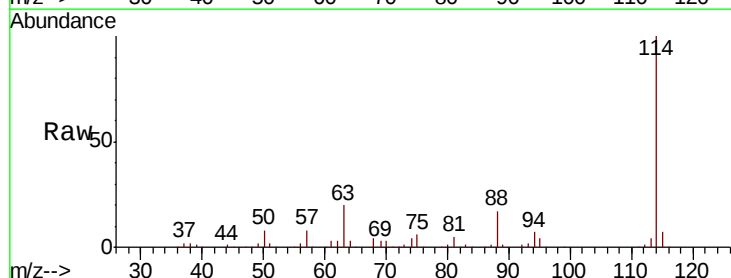
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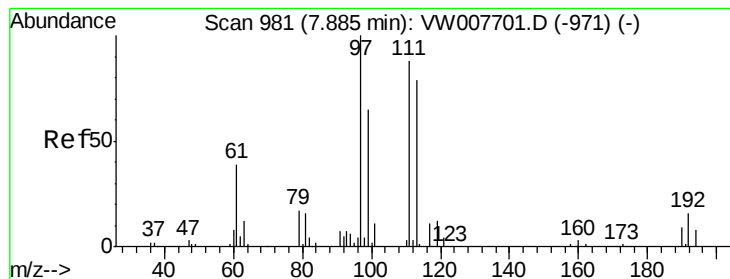
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	17.2	0.0	32.6





#35

Dibromofluoromethane

Concen: 53.997 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 43671

Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

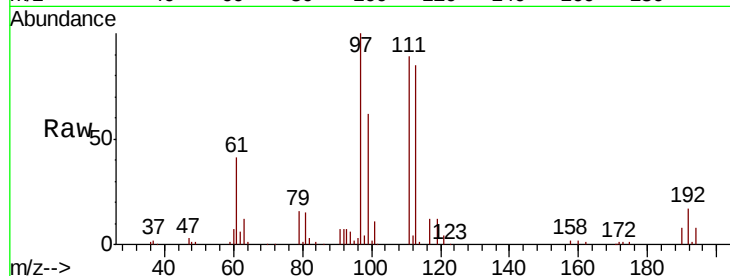
192 19.2 15.5 23.3

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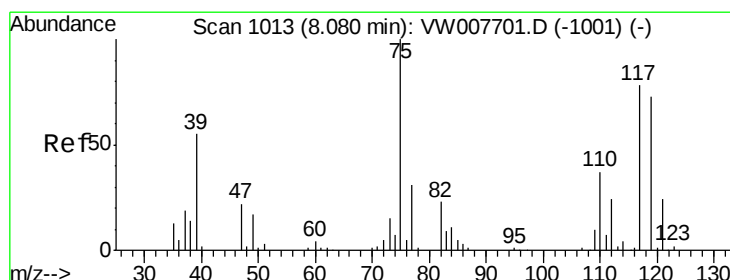
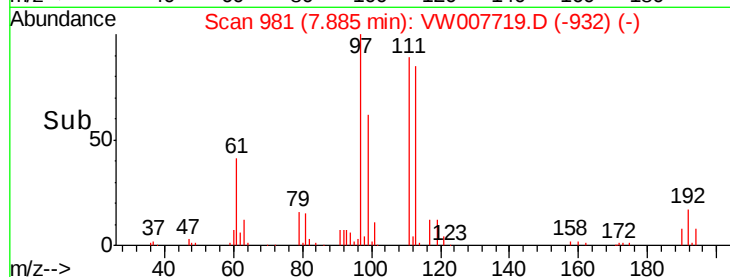
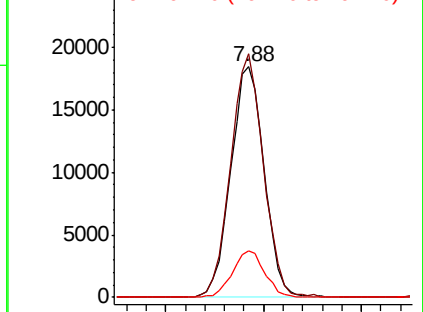


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.884 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

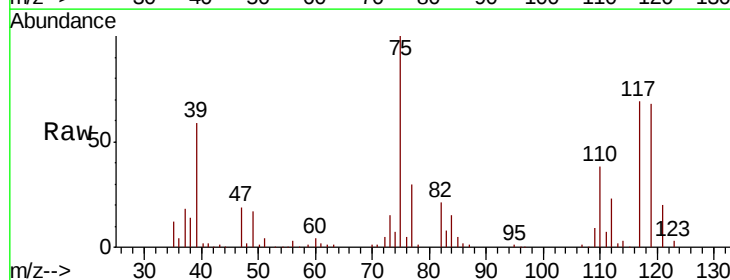
Tgt Ion: 75 Resp: 65109

Ion Ratio Lower Upper

75 100

110 37.4 18.6 55.8

77 31.1 25.0 37.4

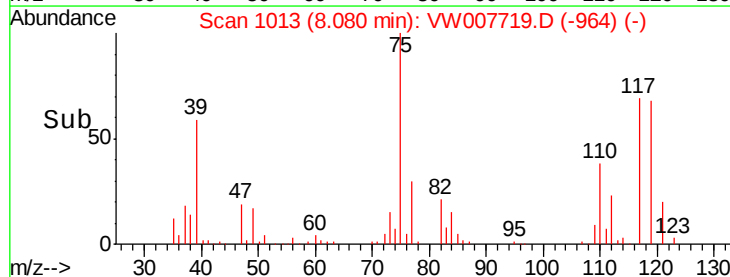
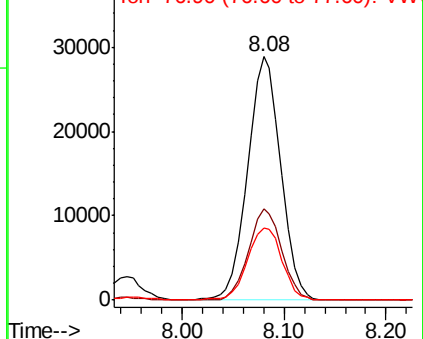


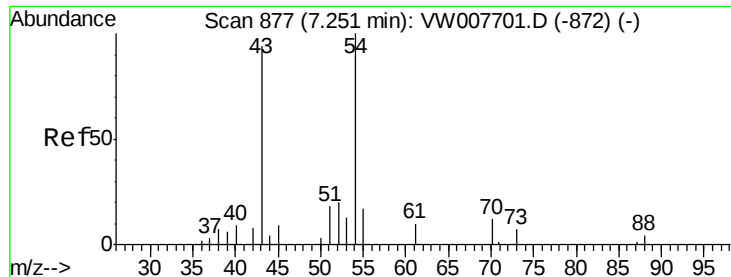
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





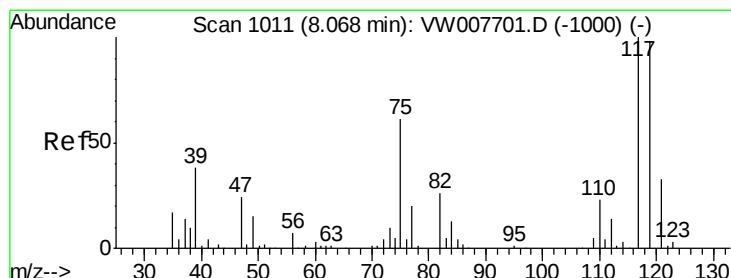
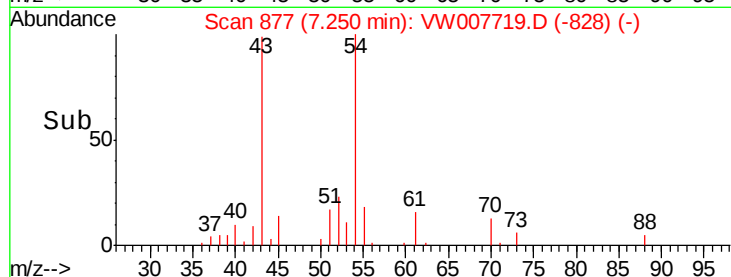
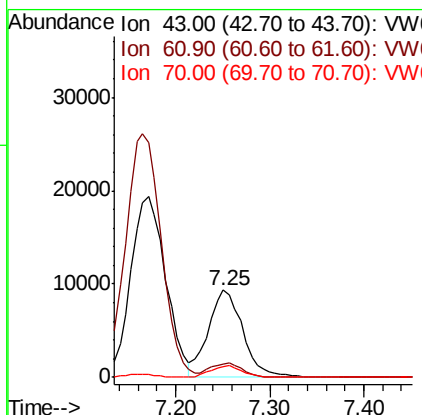
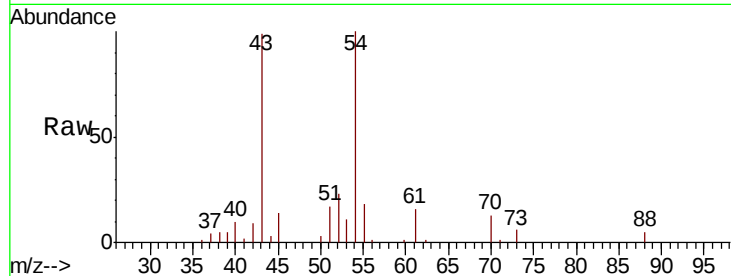
#37
Ethyl Acetate
Concen: 54.296 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.2	16.8
70	12.0	9.3	13.9

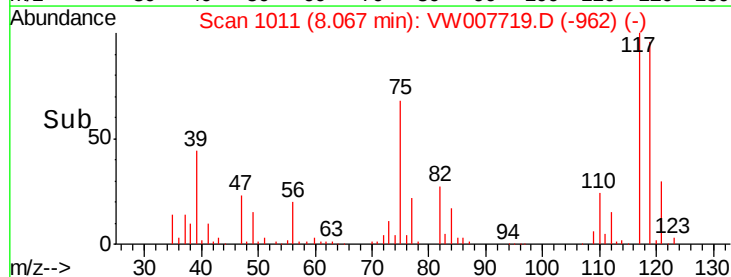
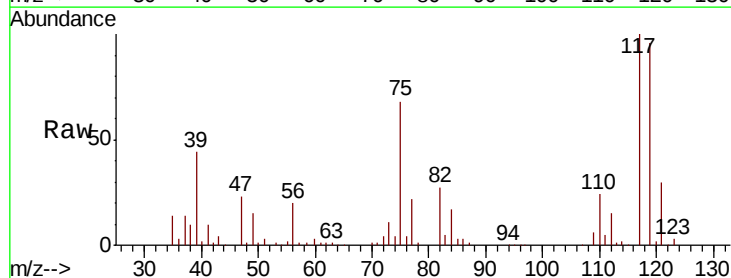
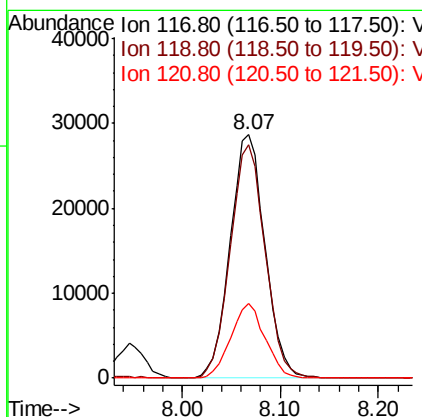
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#38
Carbon Tetrachloride
Concen: 47.028 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.2	117.2
121	30.5	26.1	39.1





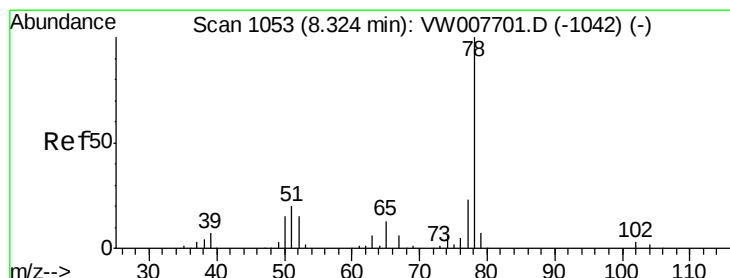
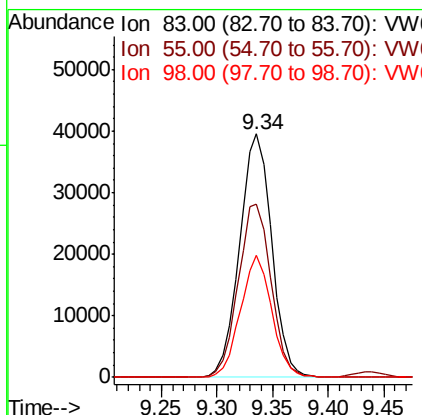
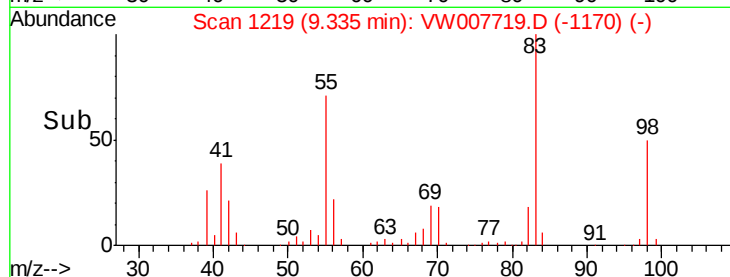
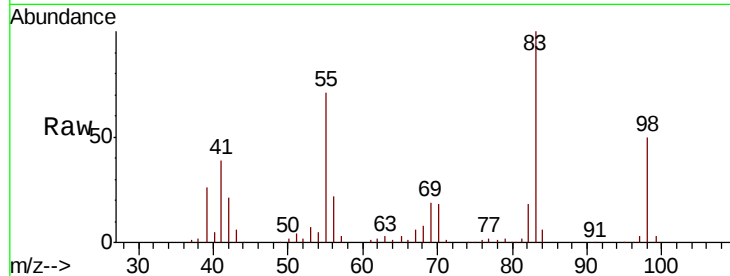
#39
Methvlcvclohexane
Concen: 49.897 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.2	85.8
98	50.3	38.6	58.0

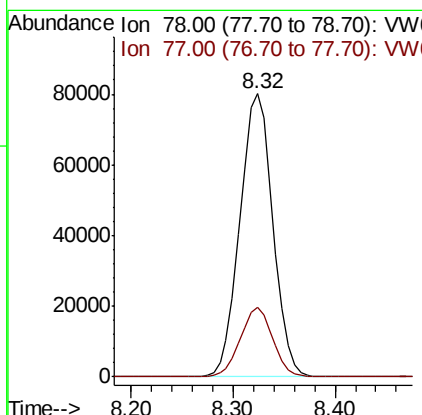
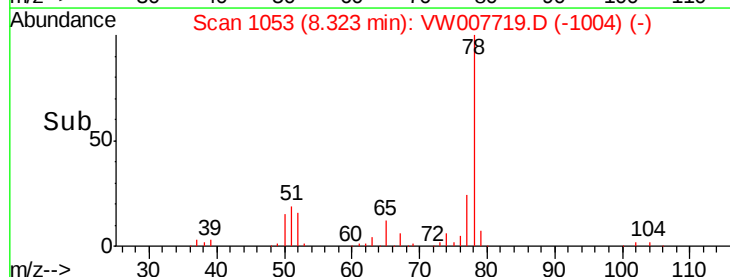
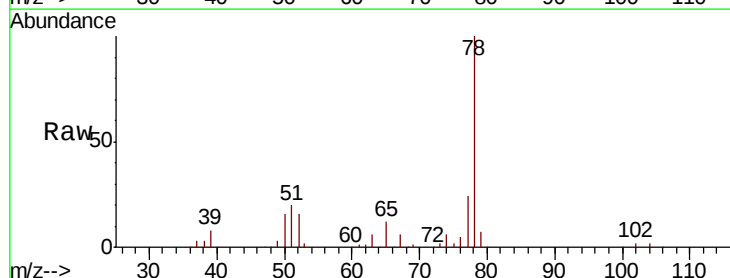
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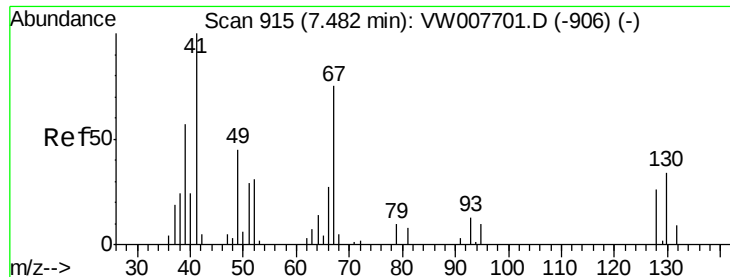
apatel
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#40
Benzene
Concen: 52.671 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.7	28.1





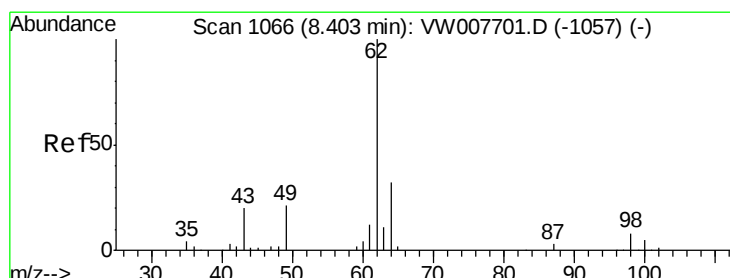
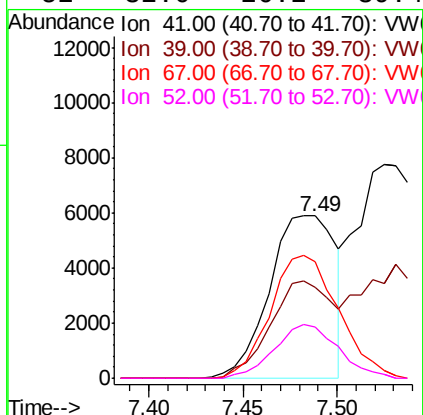
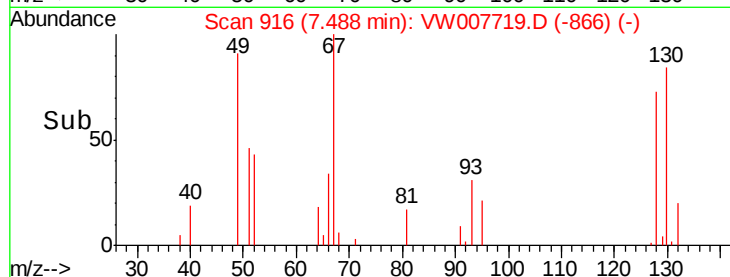
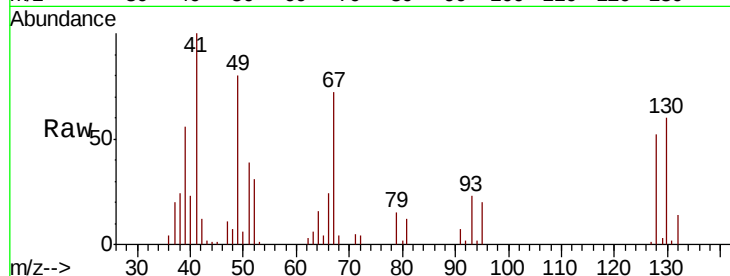
#41
Methacrylonitrile
Concen: 57.144 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	14327
Ion	Ratio	Lower	Upper
41	100		
39	56.9	54.2	81.4
67	78.0	65.7	98.5
52	32.0	26.2	39.4

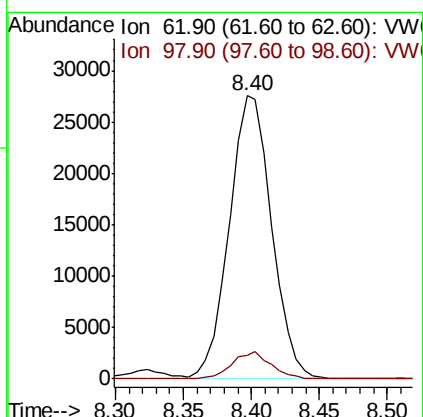
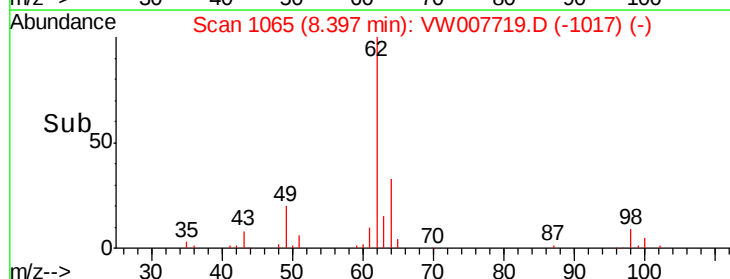
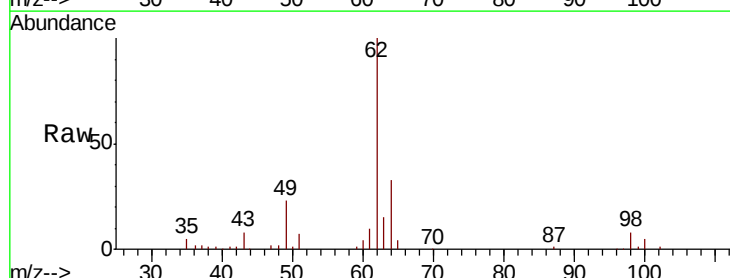
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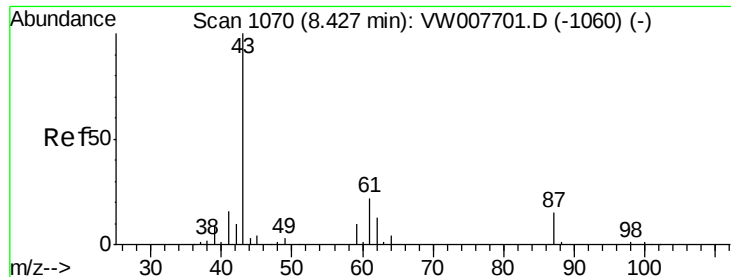
apatel
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#42
1,2-Dichloroethane
Concen: 52.177 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion:	62	Resp:	59705
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 54.926 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

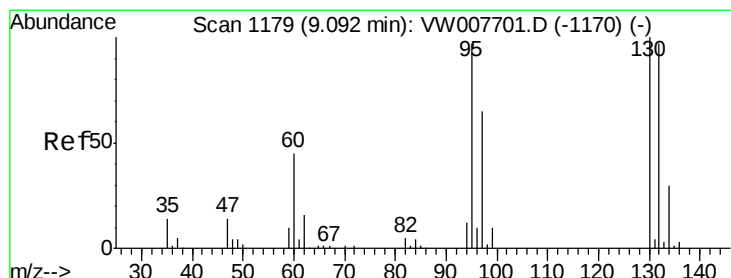
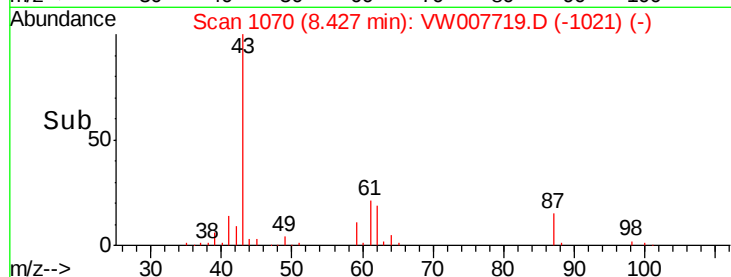
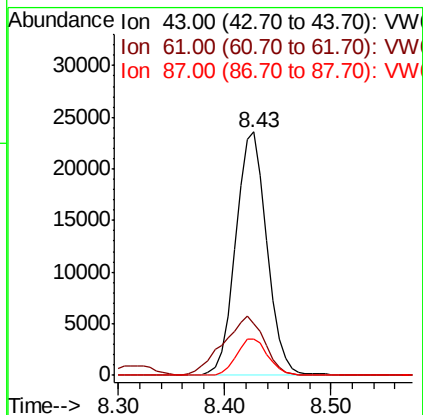
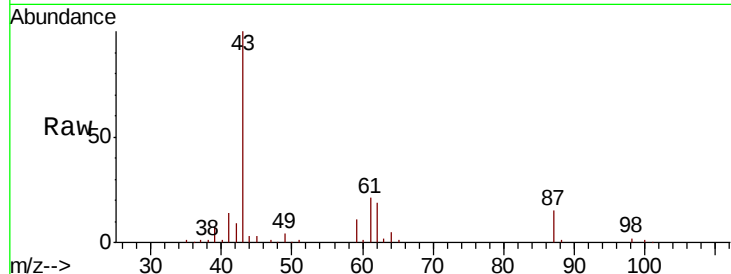
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	48594
Ion	Ratio	Lower	Upper
43	100		
61	31.8	26.3	39.5
87	15.1	12.0	18.0

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#44

Trichloroethene

Concen: 50.884 ug/l

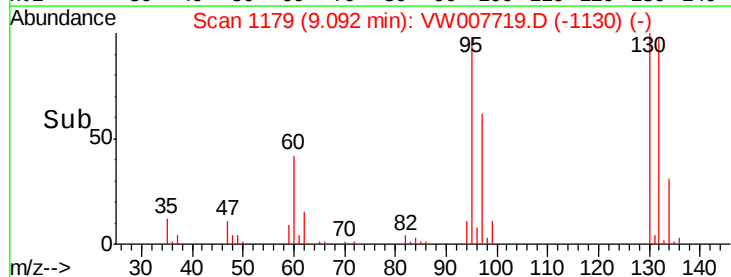
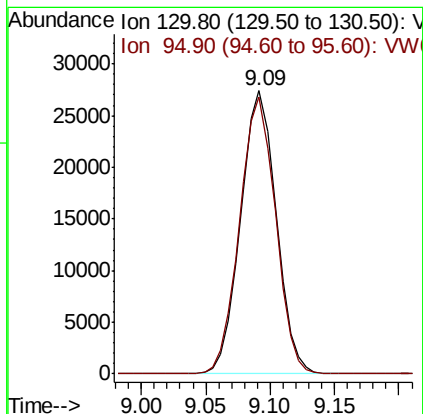
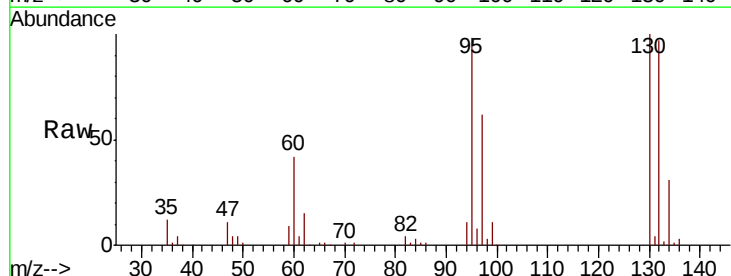
RT: 9.09 min Scan# 1179

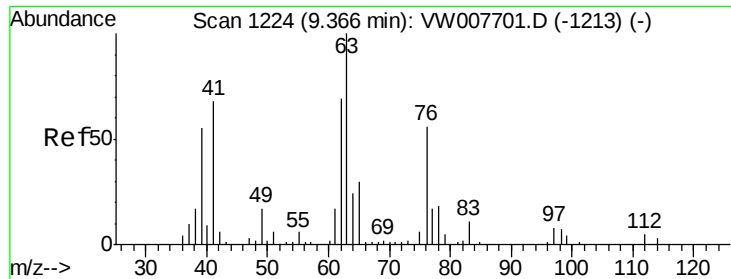
Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion:	130	Resp:	52543
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	194.8





#45

1,2-Dichloropropane

Concen: 55.818 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 42290

Ion Ratio Lower Upper

63 100

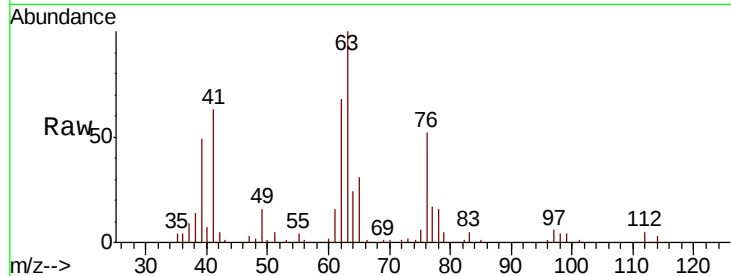
65 30.7 23.8 35.8

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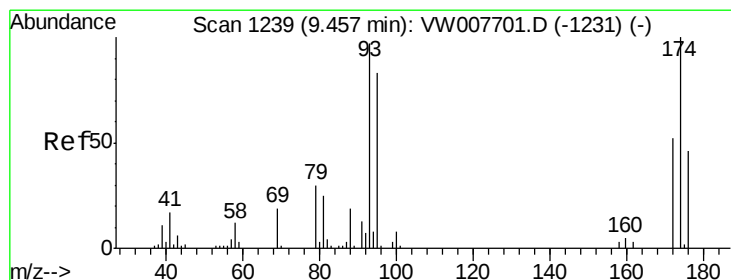
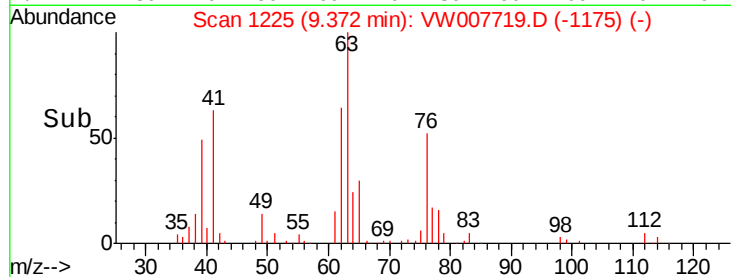
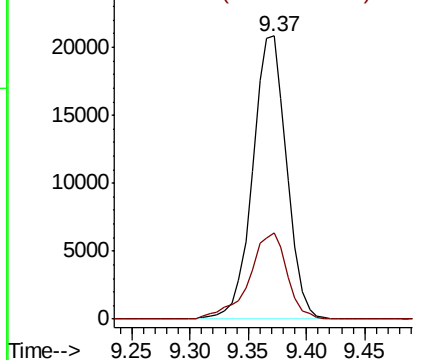
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 51.539 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

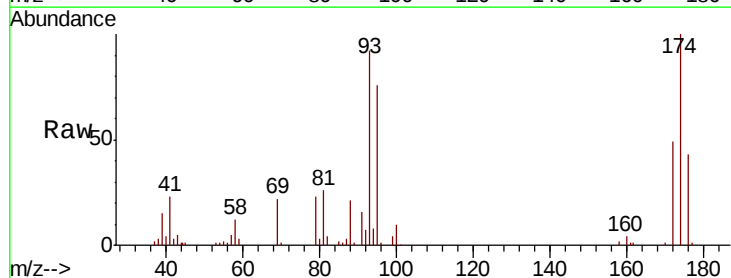
Tgt Ion: 93 Resp: 24037

Ion Ratio Lower Upper

93 100

95 82.9 67.5 101.3

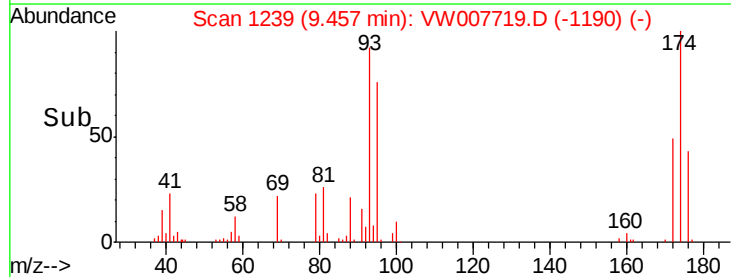
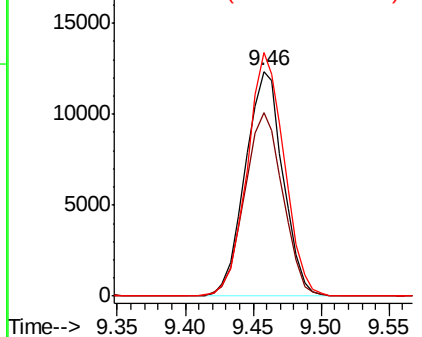
174 105.9 83.9 125.9

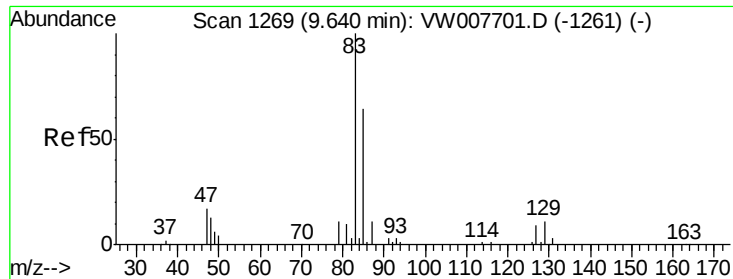


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





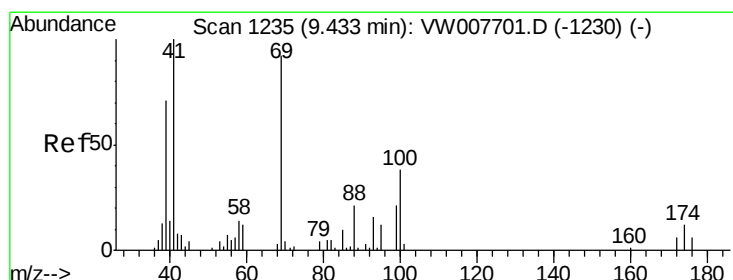
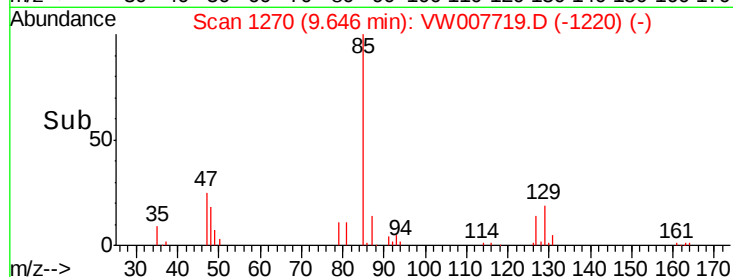
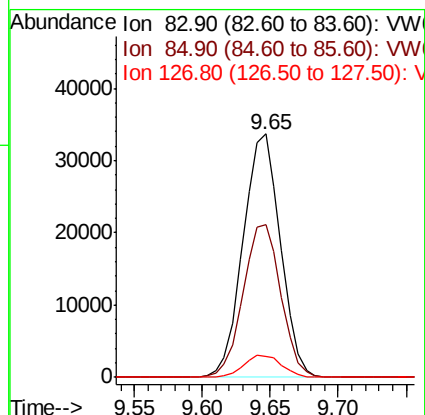
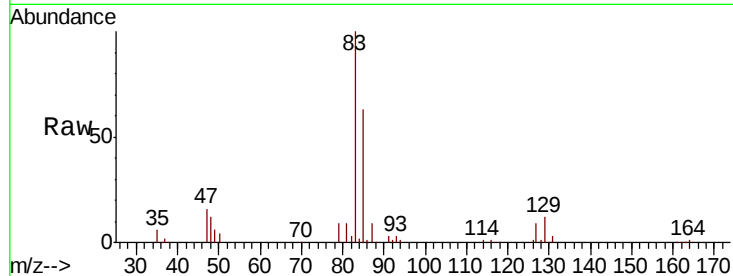
#47
Bromodichloromethane
Concen: 52.715 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.0
127	8.6	7.5	11.3

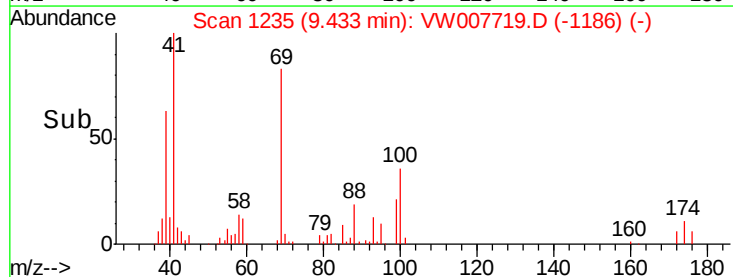
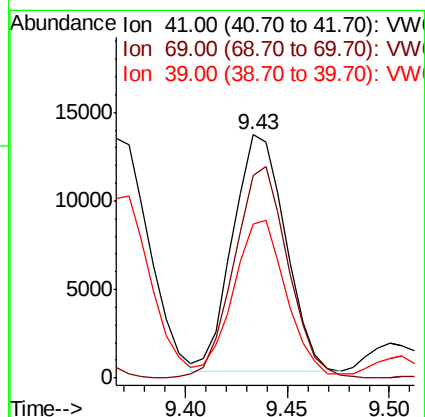
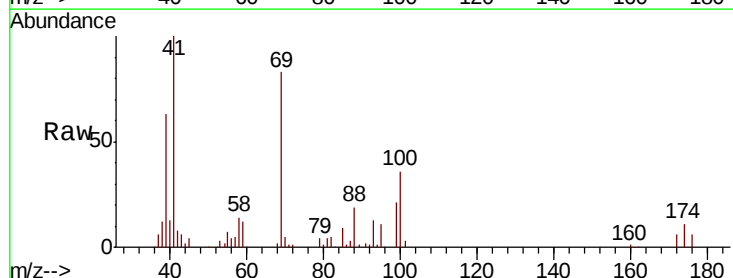
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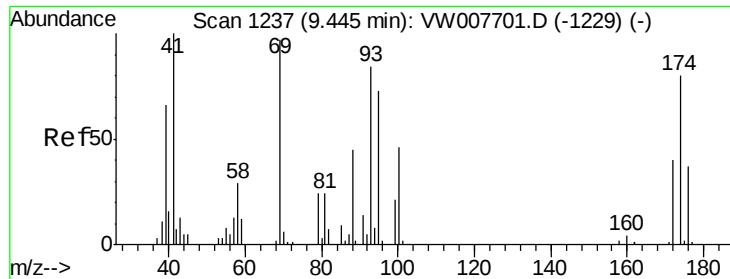
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#48
Methyl methacrylate
Concen: 54.077 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.6	74.2	111.2
39	68.2	53.9	80.9





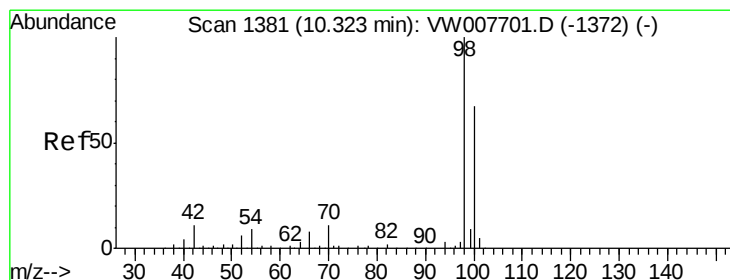
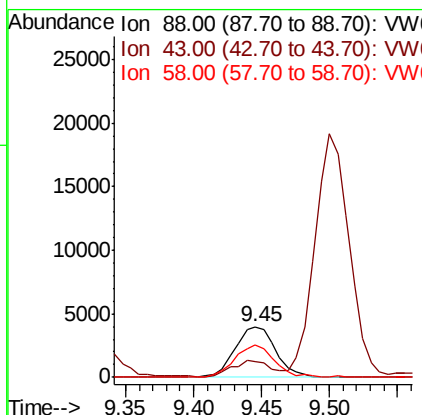
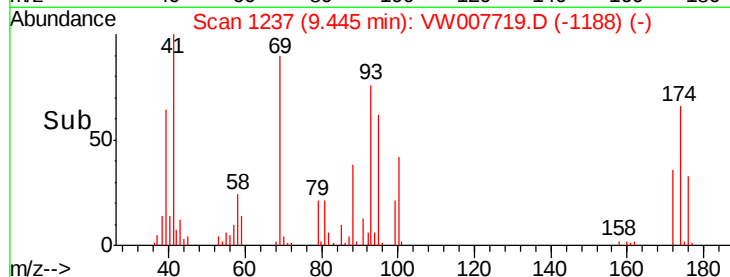
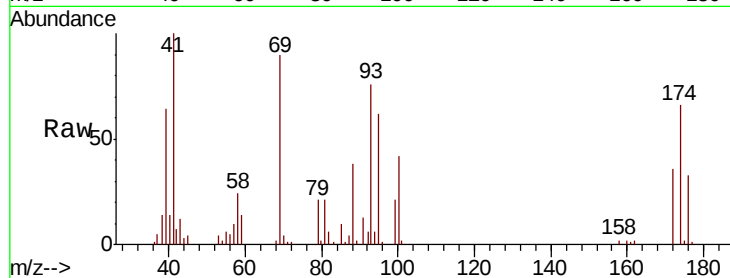
#49
1,4-Dioxane
Concen: 1116.260 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	8254
Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.6	38.4
58	63.3	52.3	78.5

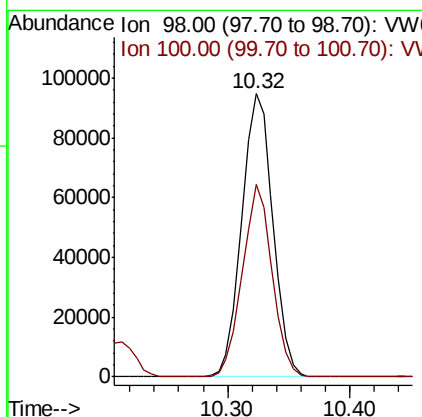
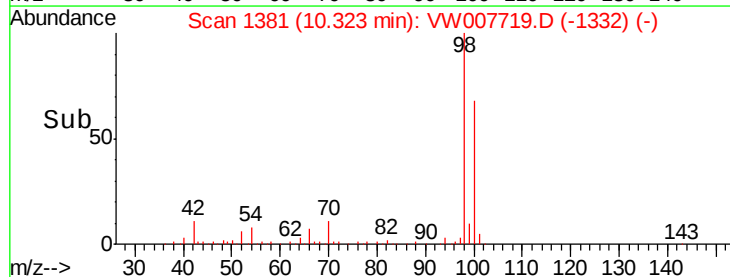
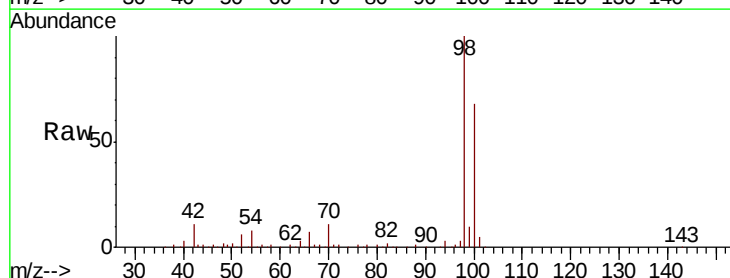
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#50
Toluene-d8
Concen: 54.864 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	98	Resp	167276
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 266.917 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 111602

Ion Ratio Lower Upper

43 100

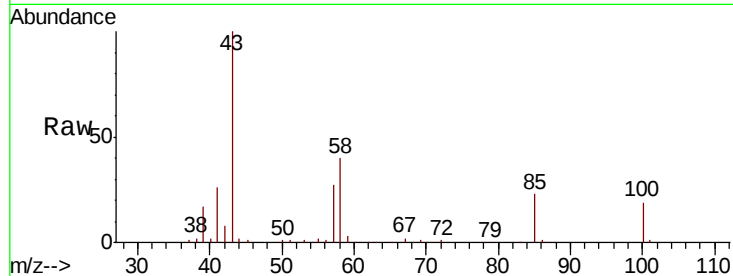
58 41.1 33.2 49.8

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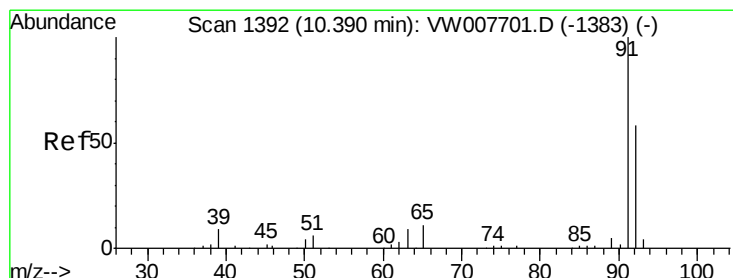
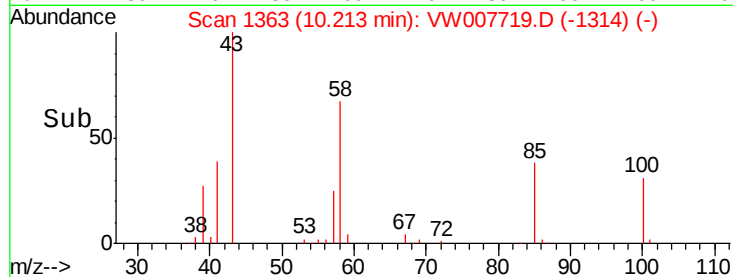
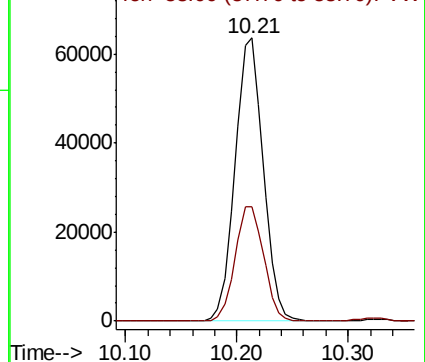
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.822 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007719.D

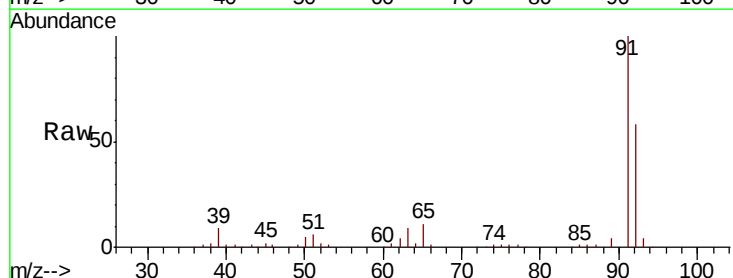
Acq: 19 Dec 2018 23:55

Tgt Ion: 92 Resp: 121010

Ion Ratio Lower Upper

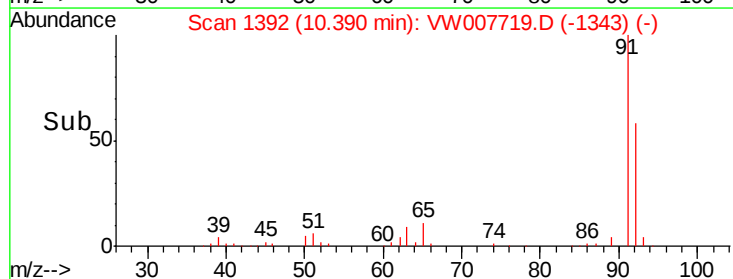
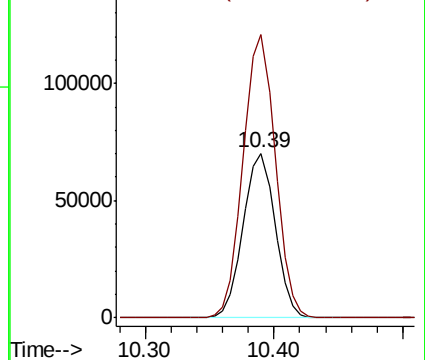
92 100

91 172.9 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





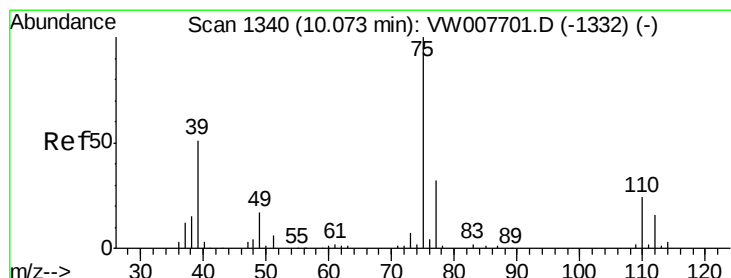
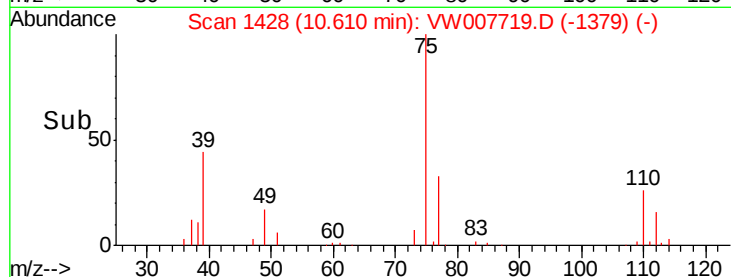
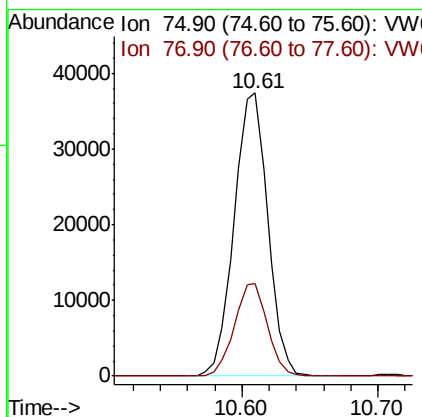
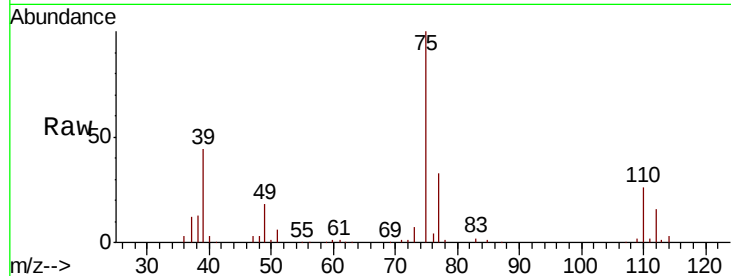
#53
t-1,3-Dichloropropene
Concen: 52.858 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 64463
Ion Ratio Lower Upper
75 100
77 33.0 25.2 37.8

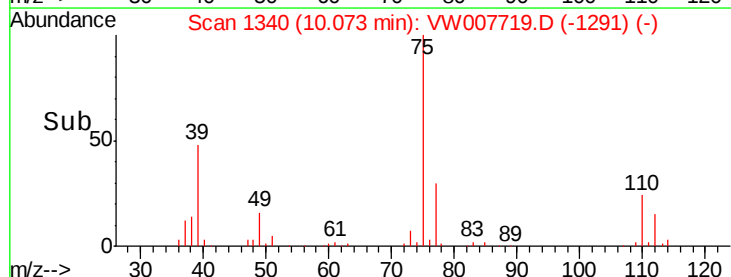
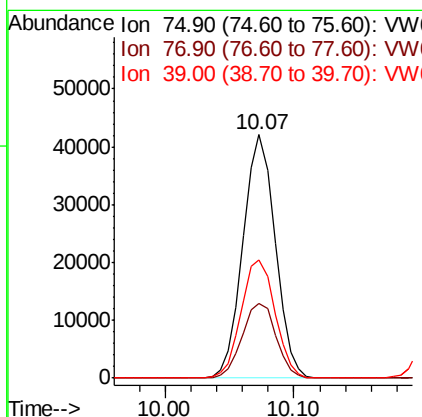
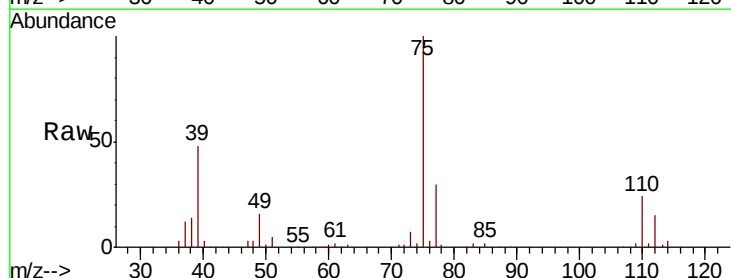
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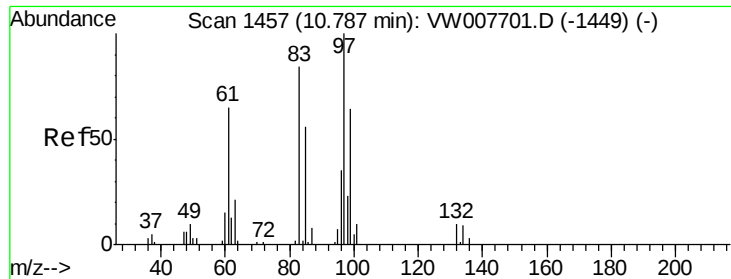
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#54
cis-1,3-Dichloropropene
Concen: 54.140 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 75 Resp: 72931
Ion Ratio Lower Upper
75 100
77 30.5 25.5 38.3
39 48.5 41.2 61.8





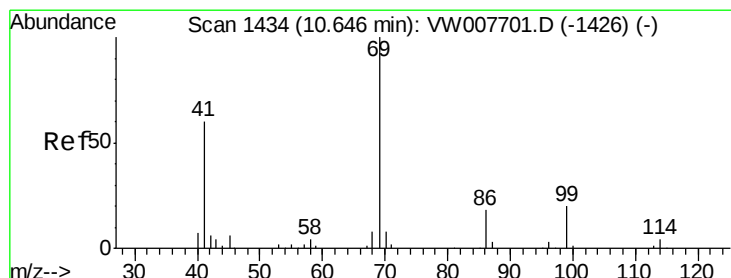
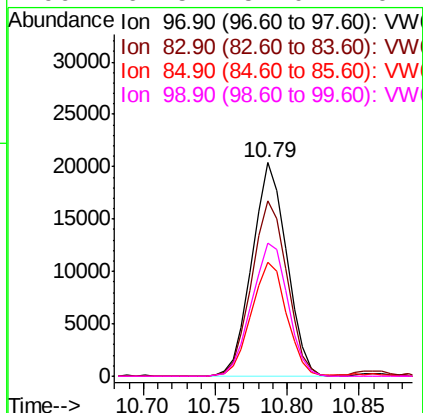
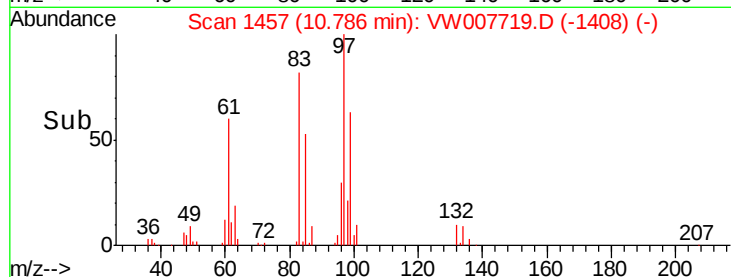
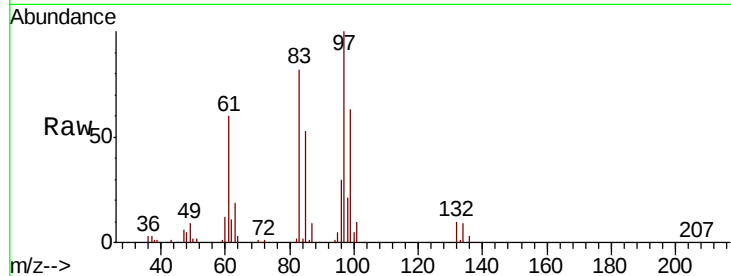
#55
 1,1,2-Trichloroethane
 Concen: 52.886 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	34003
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.5	101.3
85	53.3	44.8	67.2
99	62.5	51.0	76.4

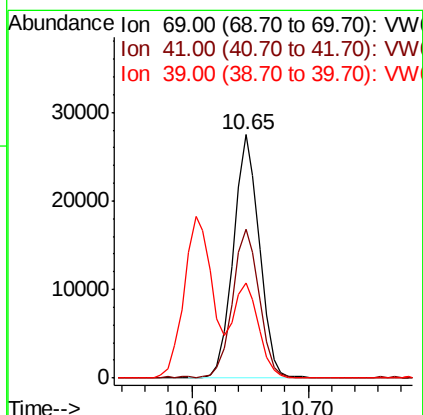
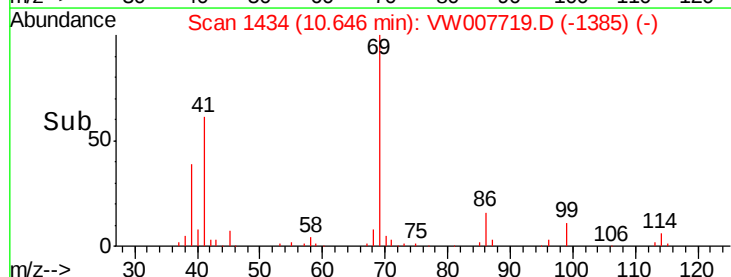
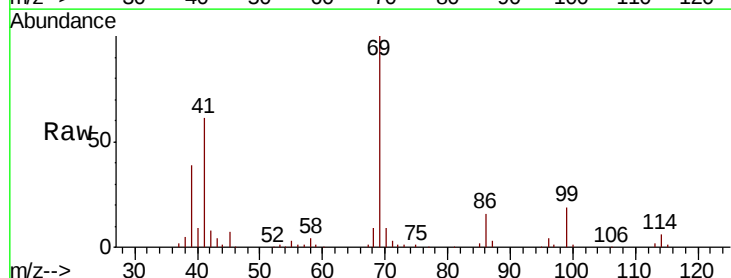
Manual Integrations
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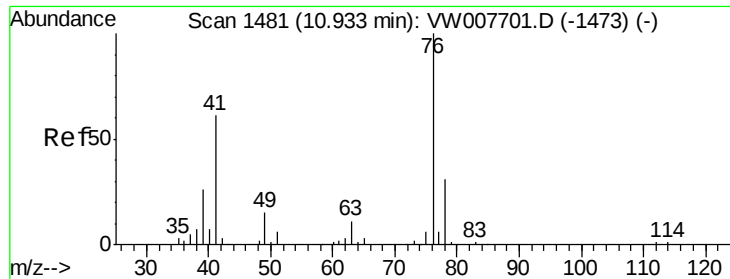
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#56
 Ethyl methacrylate
 Concen: 56.049 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion:	69	Resp:	42578
Ion	Ratio	Lower	Upper
69	100		
41	63.9	48.9	73.3
39	38.3	31.3	46.9





#57

1,3-Dichloropropane

Concen: 53.885 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 57531

Ion Ratio Lower Upper

76 100

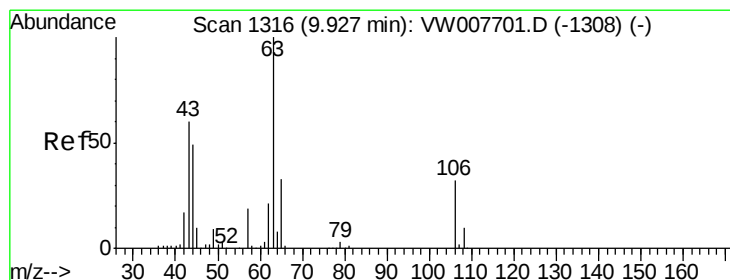
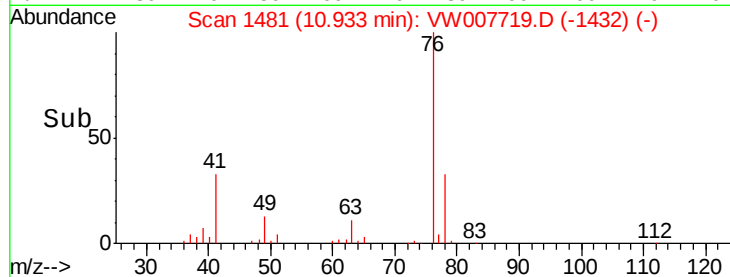
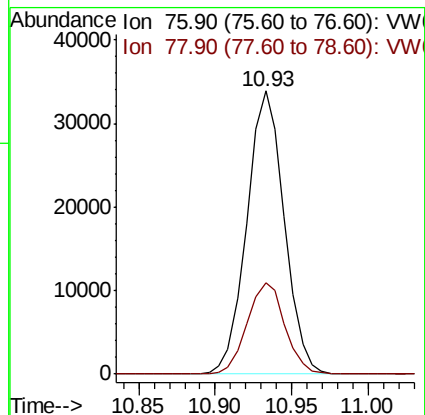
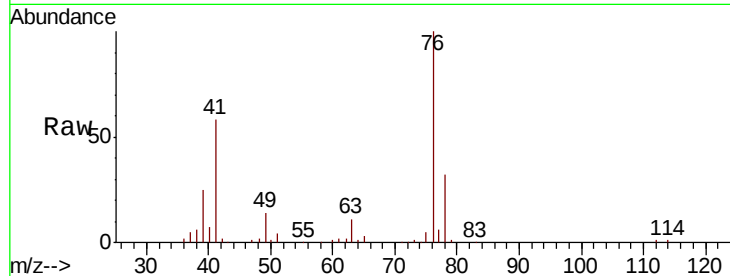
78 32.5 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 279.734 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007719.D

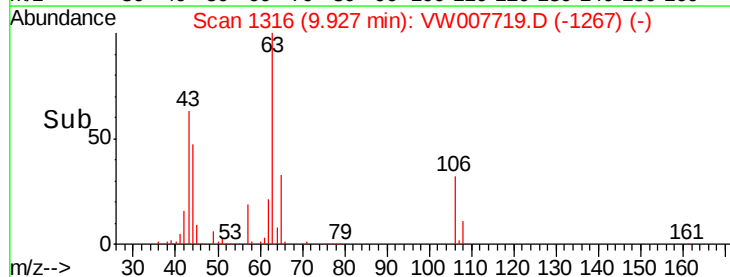
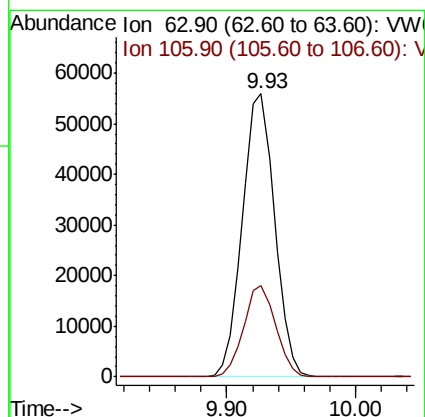
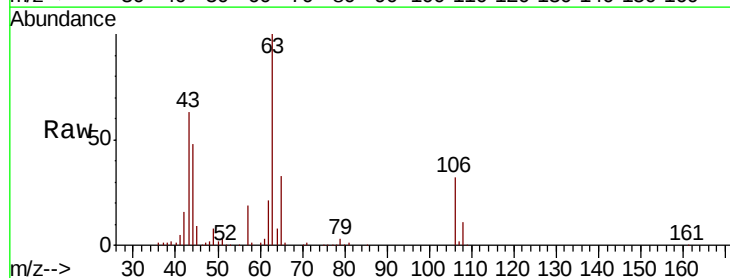
Acq: 19 Dec 2018 23:55

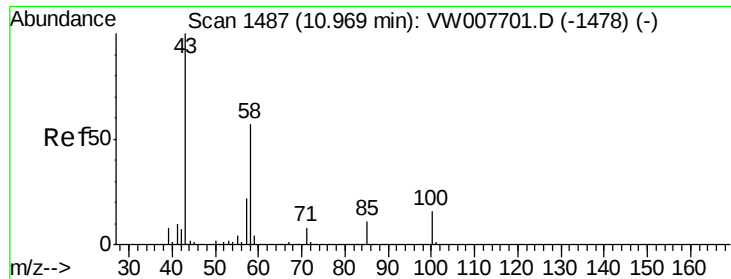
Tgt Ion: 63 Resp: 97022

Ion Ratio Lower Upper

63 100

106 31.8 25.9 38.9





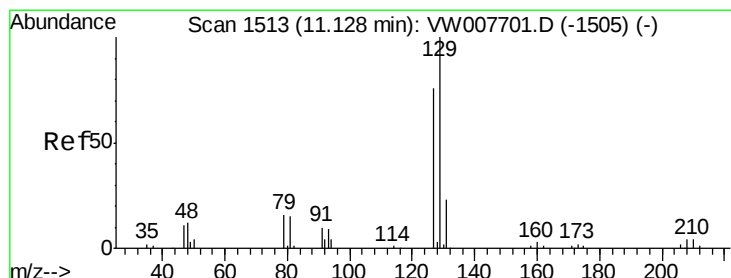
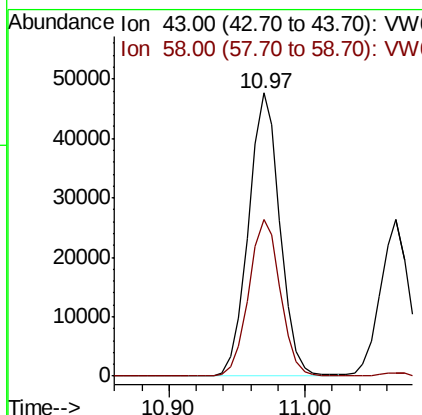
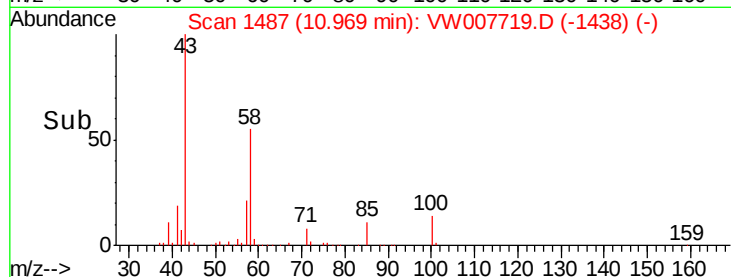
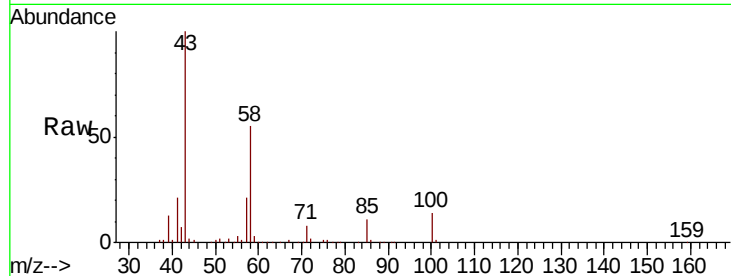
#59
2-Hexanone
Concen: 262.359 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 77146
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.1

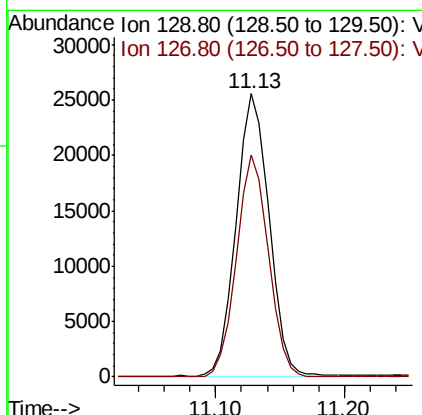
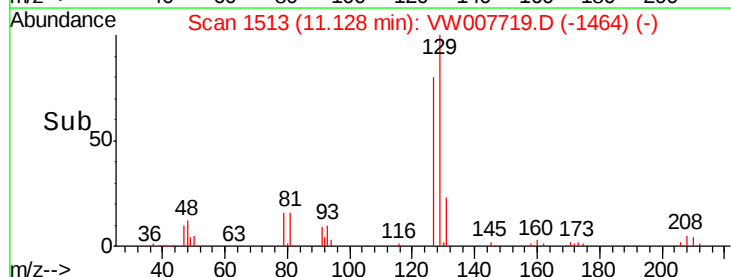
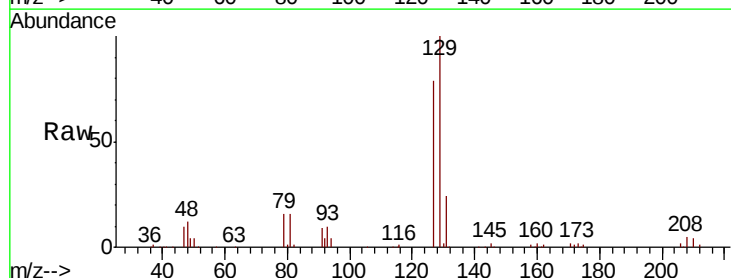
Manual Integrations
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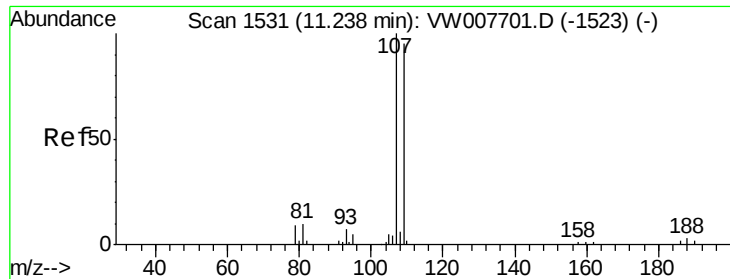
apatel
12/20/2018 11:20:19 AM



#60
Dibromochloromethane
Concen: 52.748 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 129 Resp: 44905
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 52.335 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 34075

Ion Ratio Lower Upper

107 100

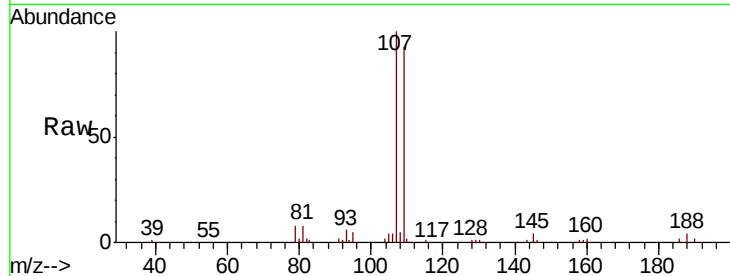
109 94.6 75.4 113.0

Manual Integrations

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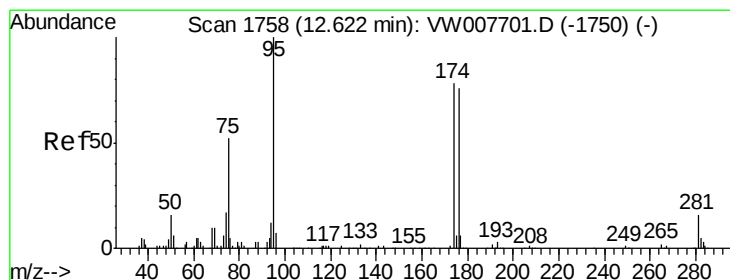
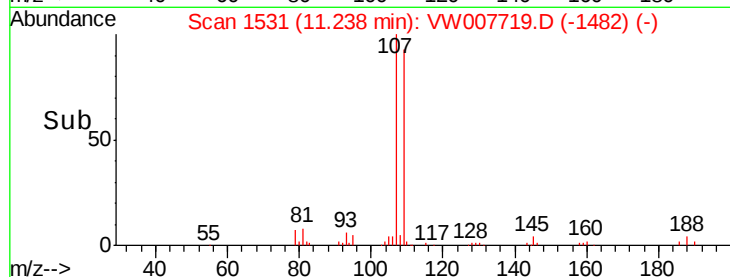
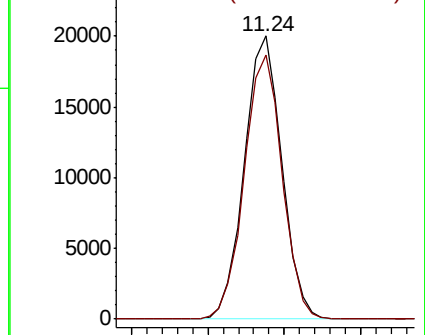
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.111 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

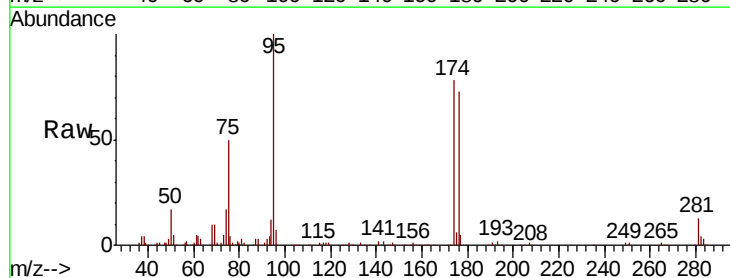
Tgt Ion: 95 Resp: 63735

Ion Ratio Lower Upper

95 100

174 77.1 0.0 152.2

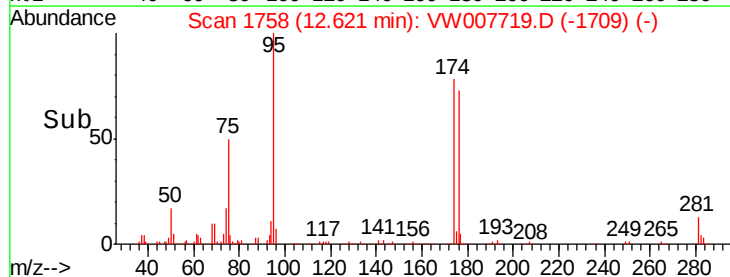
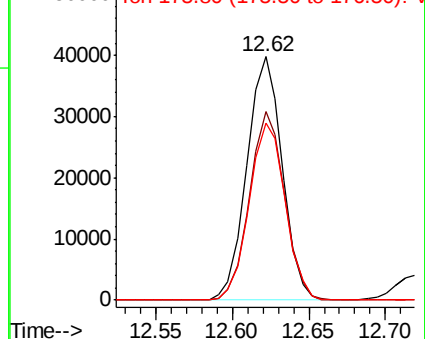
176 74.2 0.0 146.8

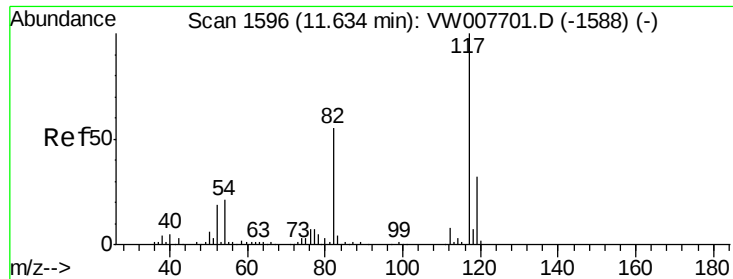


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





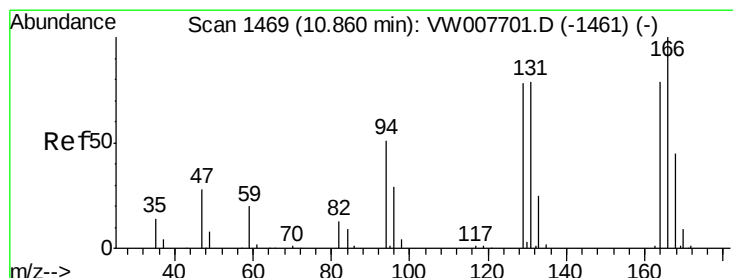
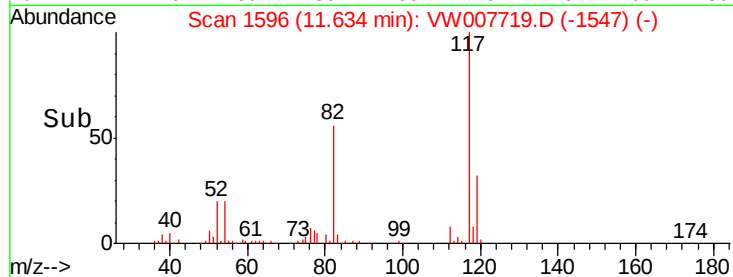
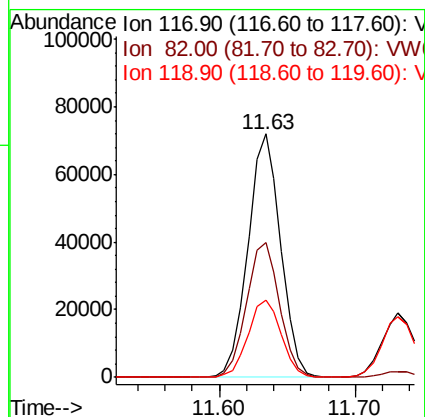
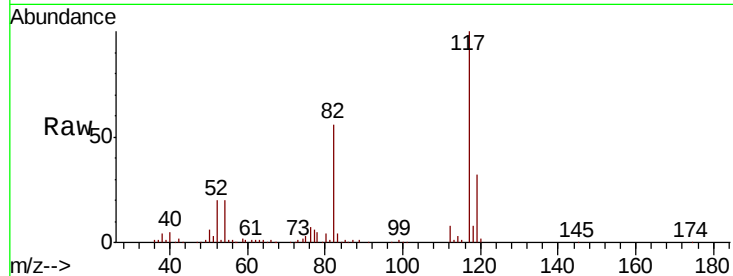
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	31.8	25.7	38.5

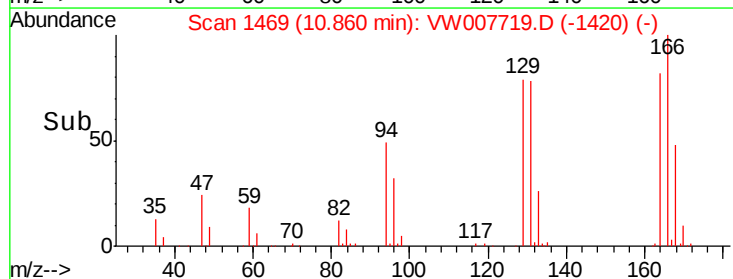
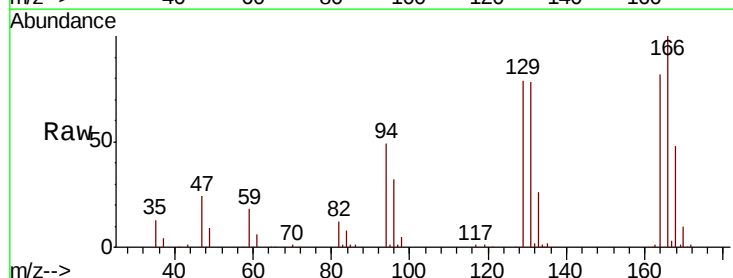
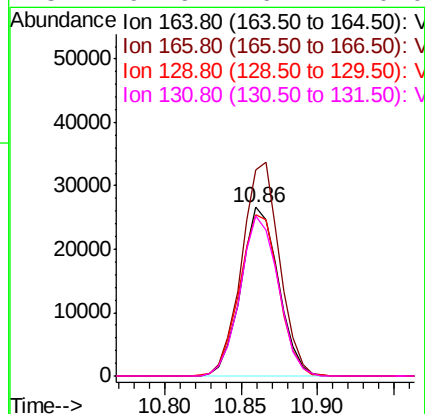
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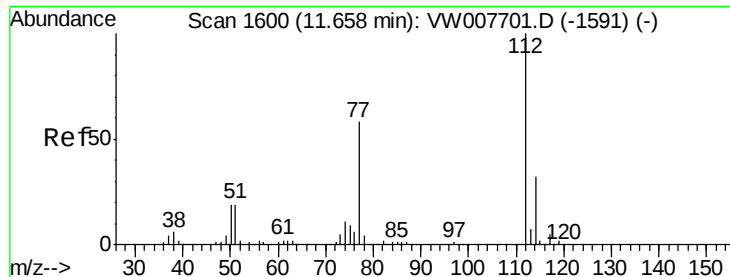
apatel
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#64
Tetrachloroethene
Concen: 53.023 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	101.0	151.6
129	95.9	78.7	118.1
131	94.6	79.4	119.0





#65

Chlorobenzene

Concen: 52.710 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 137881

Ion Ratio Lower Upper

112 100

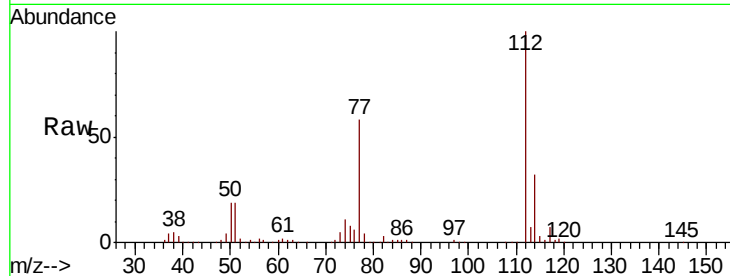
114 31.6 25.2 37.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

80000

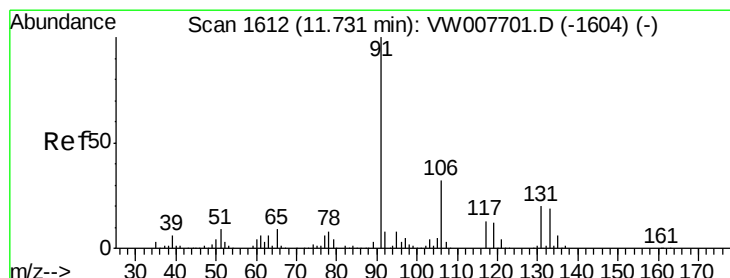
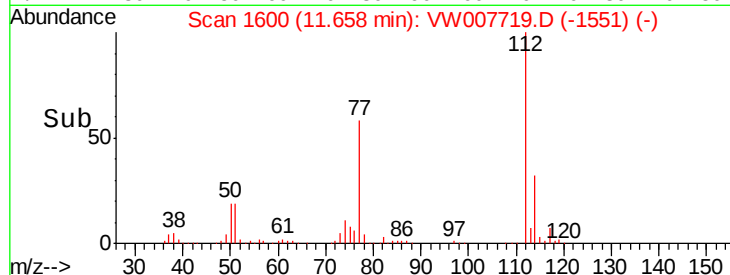
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.244 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

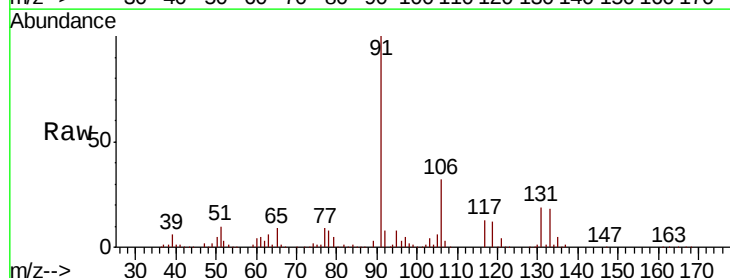
Tgt Ion:131 Resp: 48832

Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.5

119 61.9 30.2 90.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

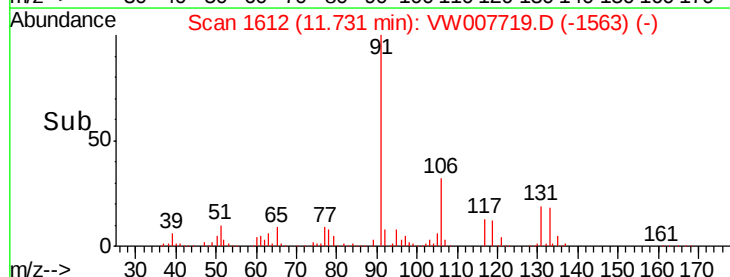
30000

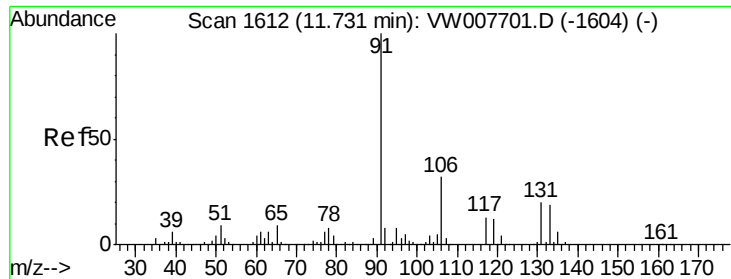
20000

10000

0

Time-->





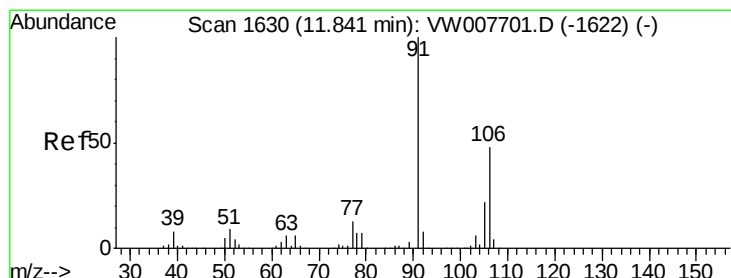
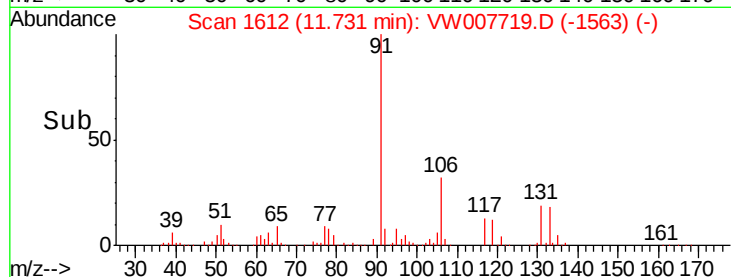
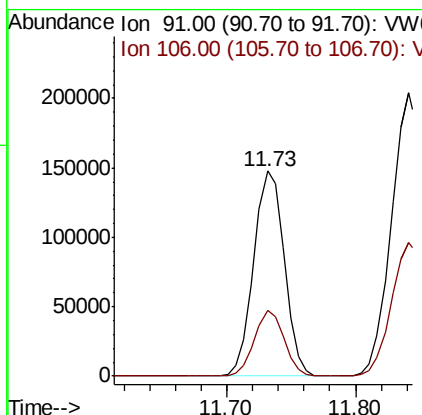
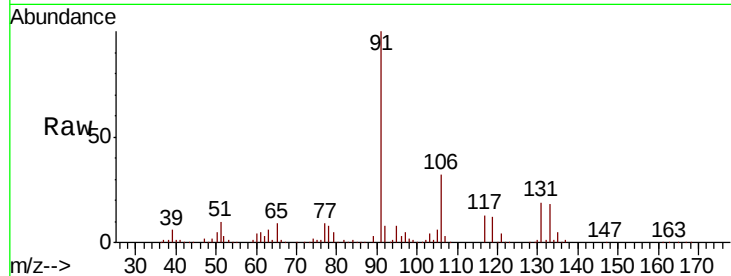
#67
Ethyl Benzene
Concen: 53.984 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	91	Resp	242321
Ion Ratio	100	Lower	Upper
106	32.0	25.8	38.8

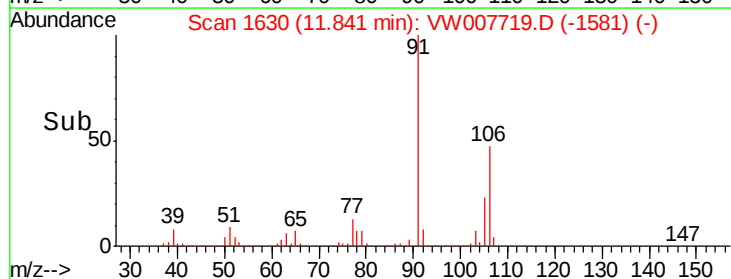
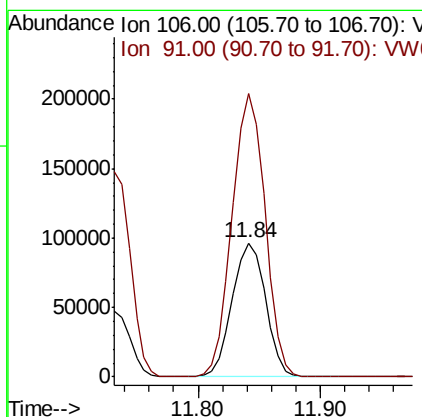
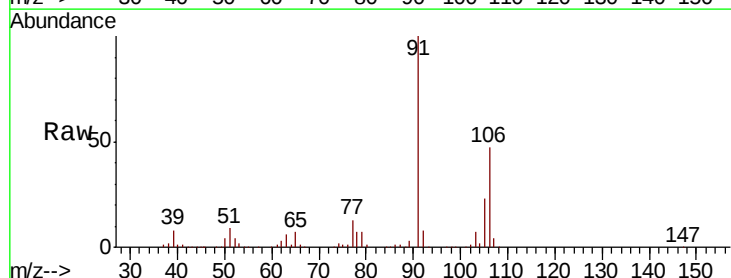
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#68
m/p-Xylenes
Concen: 104.901 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	106	Resp	182660
Ion Ratio	100	Lower	Upper
91	208.8	165.2	247.8





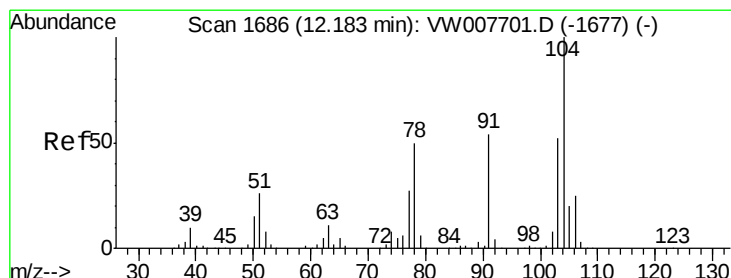
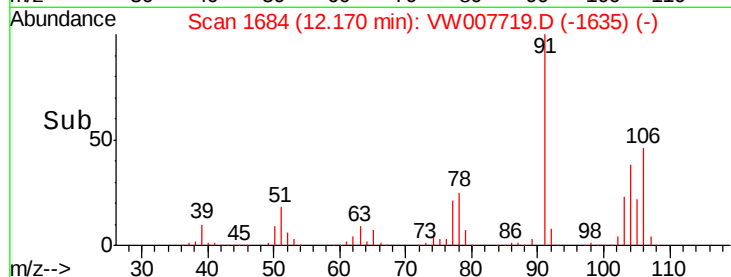
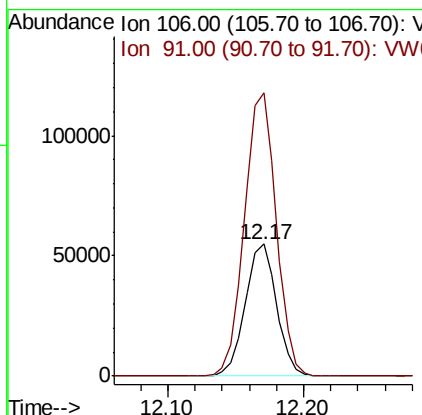
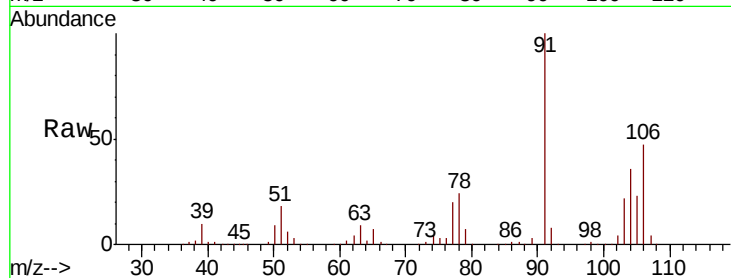
#69
o-Xylene
Concen: 54.318 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 88658
Ion Ratio Lower Upper
106 100
91 218.1 110.5 331.4

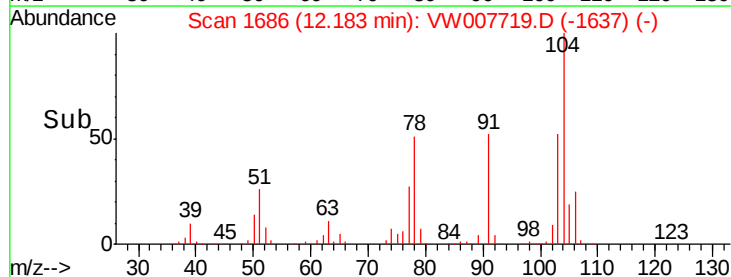
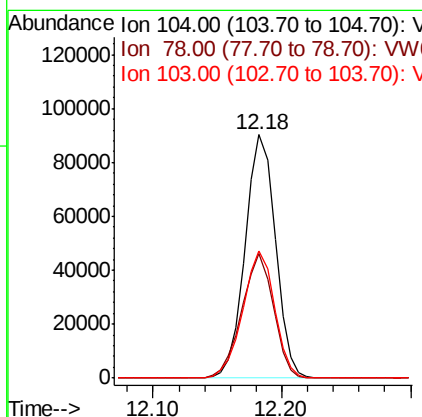
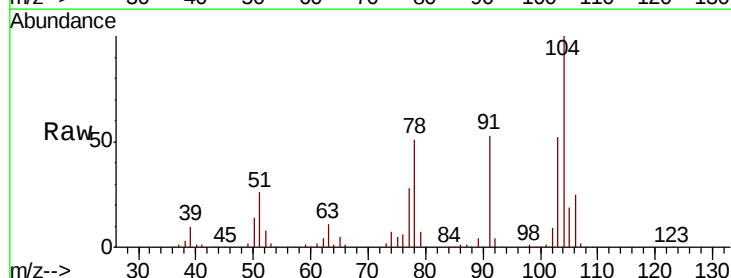
Manual Integrations
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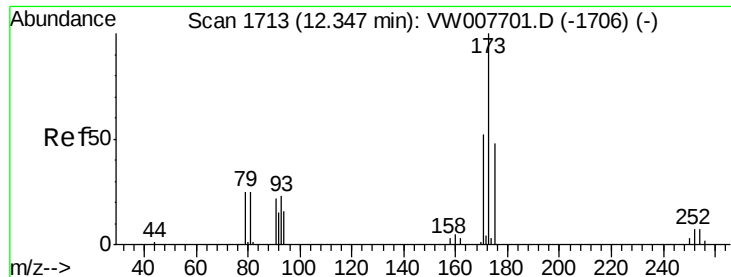
apatel
12/20/2018 11:20:19 AM



#70
Styrene
Concen: 54.580 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion:104 Resp: 146439
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.0
103 54.7 44.5 66.7





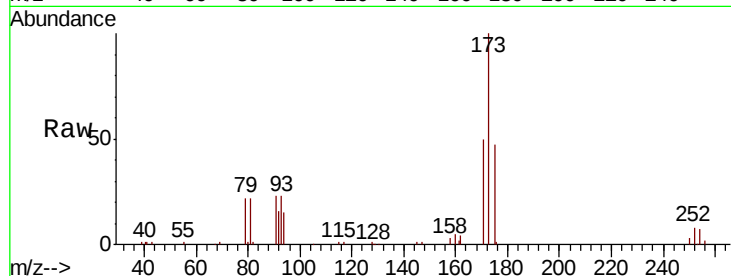
#71
Bromoform
Concen: 51.149 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.9	71.7
254	0.0	0.0	0.0

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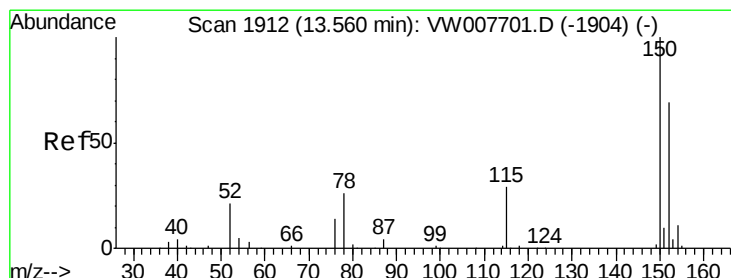
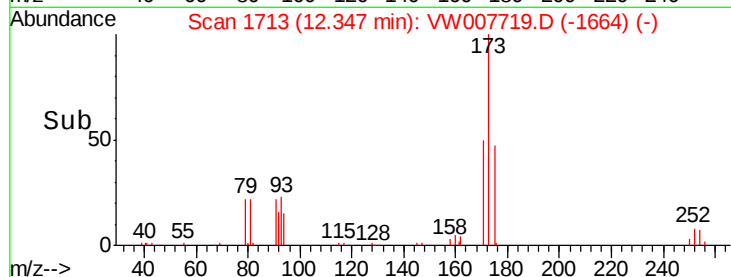
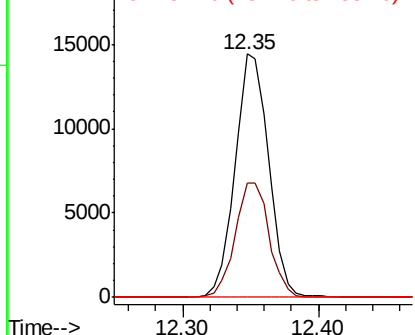


Abundance

Ion 172.70 (172.40 to 173.40): V

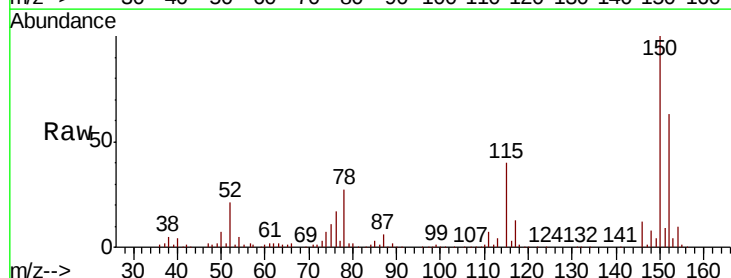
Ion 174.70 (174.40 to 175.40): V

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: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.8	95.4
150	175.1	0.0	350.8

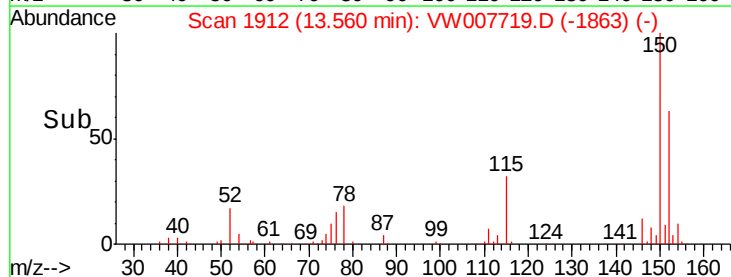
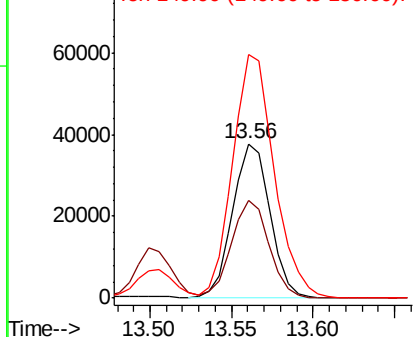


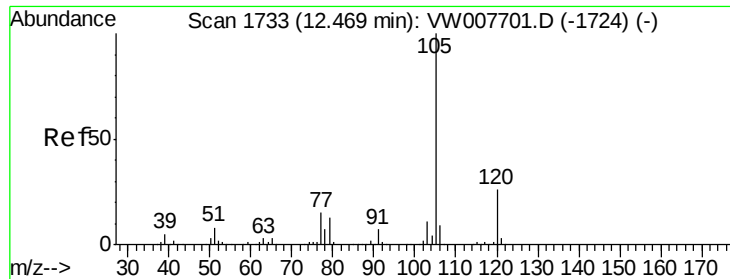
Abundance

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: 54.191 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 247563

Ion Ratio Lower Upper

105 100

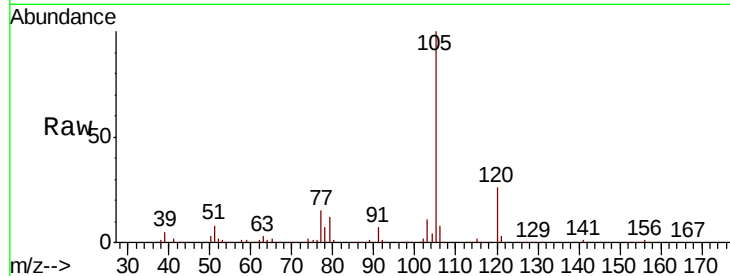
120 26.0 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

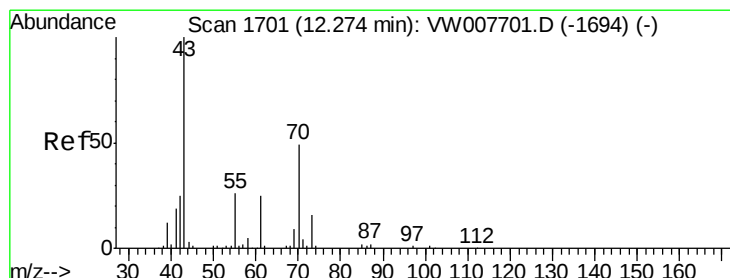
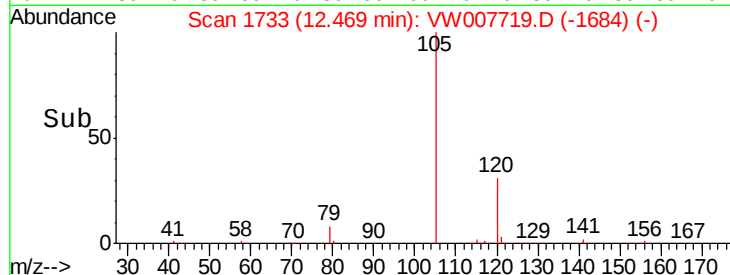
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 56.093 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion: 43 Resp: 44387

Ion Ratio Lower Upper

43 100

70 46.0 37.6 56.4

55 25.6 21.7 32.5

61 25.2 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

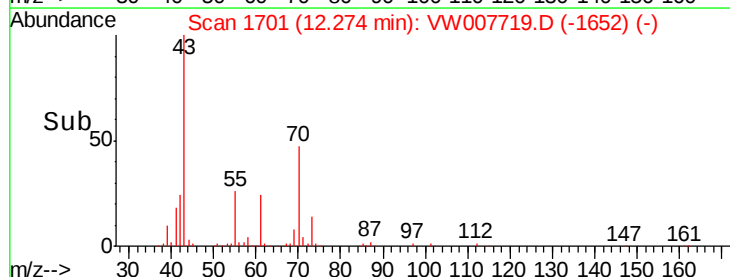
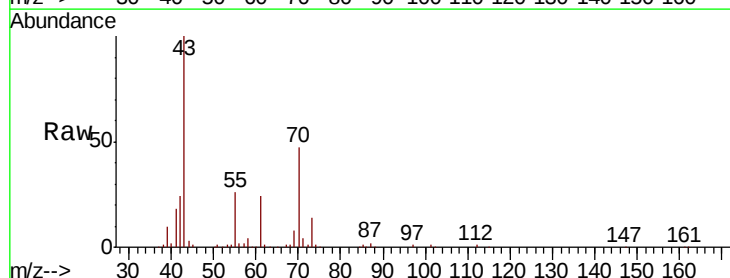
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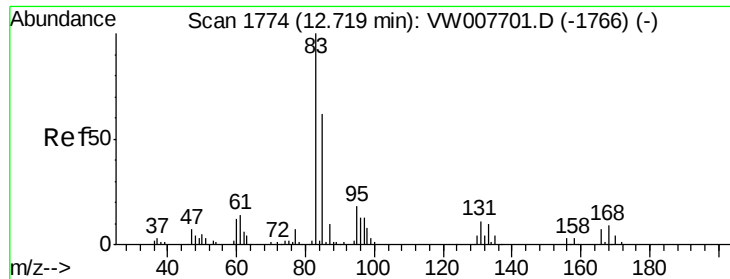
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.386 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

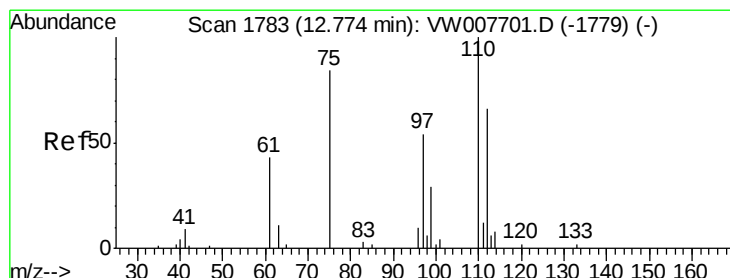
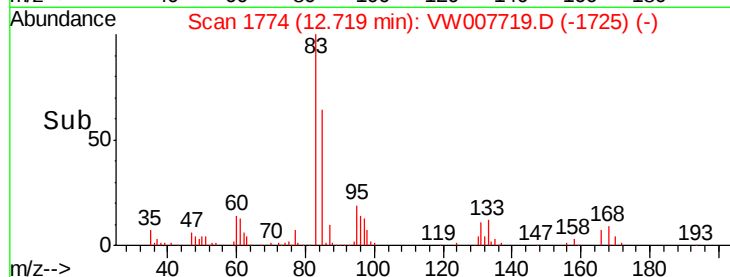
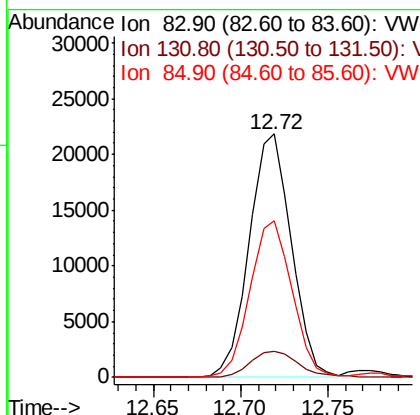
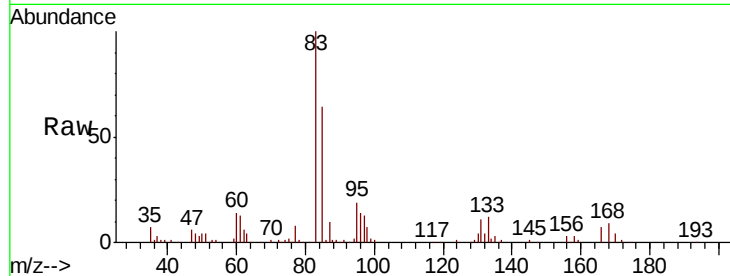
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	36567
Ion Ratio	Lower	Upper	
83	100		
131	12.3	6.3	18.8
85	64.2	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 60.378 ug/l m

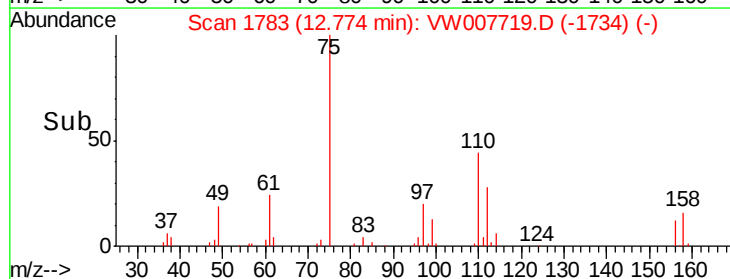
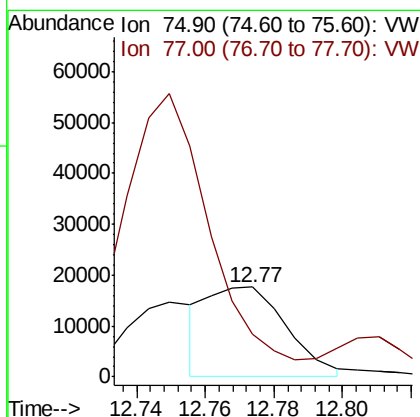
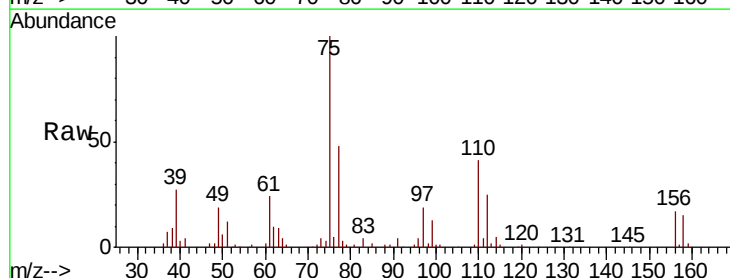
RT: 12.77 min Scan# 1783

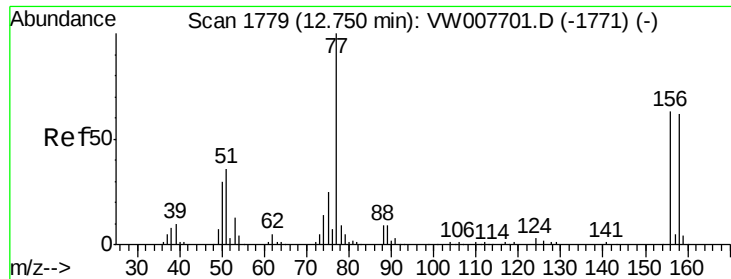
Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion:	75	Resp:	28204
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.247 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

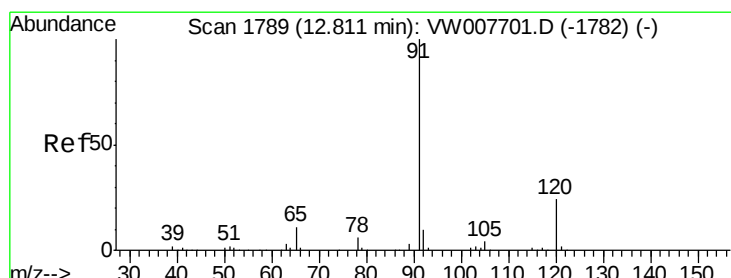
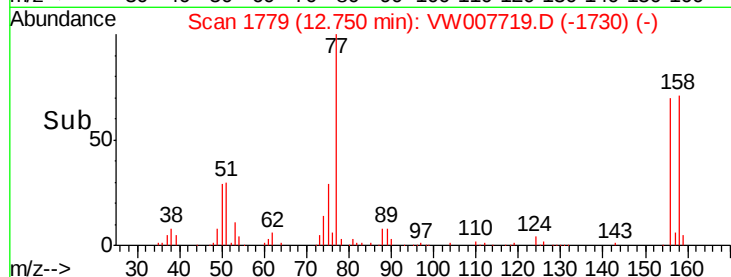
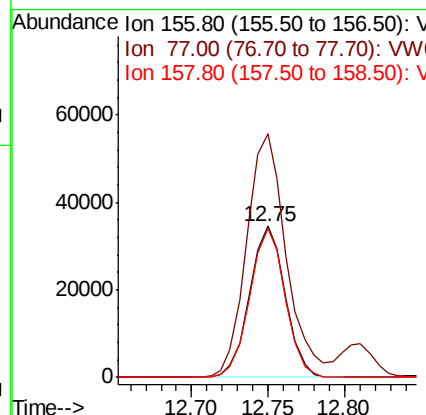
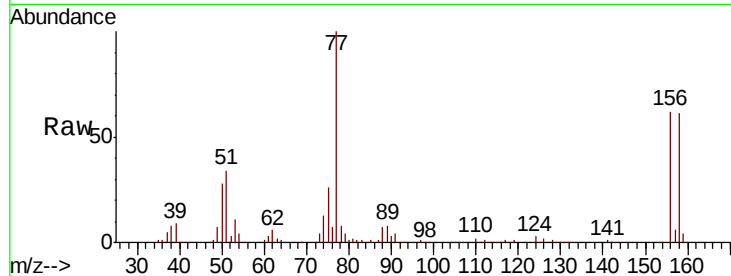
ClientSampleId :

VSTDCCC050EC

Tot Ion	156	Resp	55747
Ion Ratio	Lower	Upper	
156	100		
77	179.2	87.4	262.1
158	97.7	48.4	145.0

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#78

n-propylbenzene

Concen: 53.714 ug/l

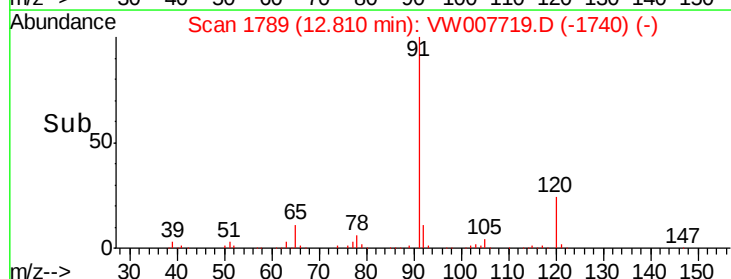
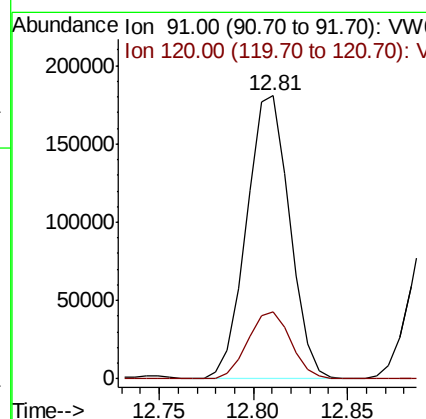
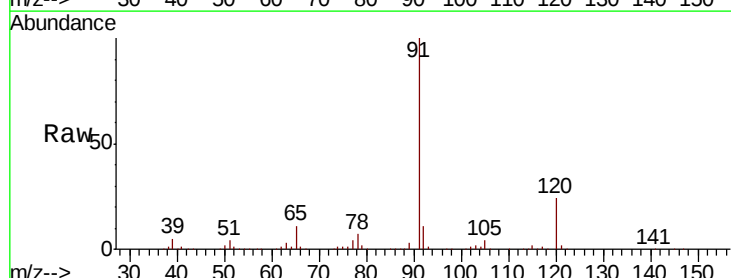
RT: 12.81 min Scan# 1789

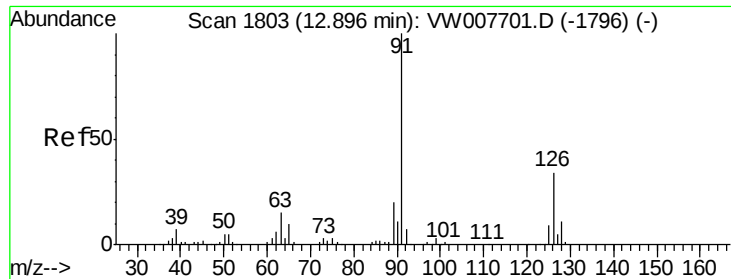
Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion	91	Resp	285643
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.7





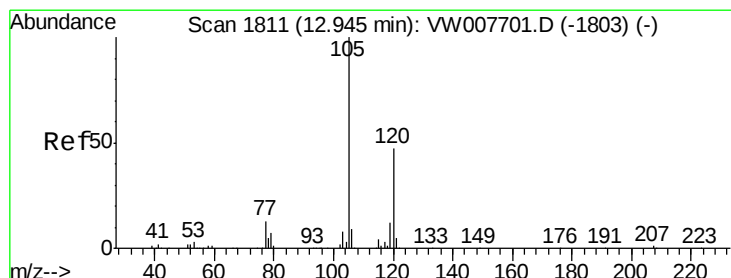
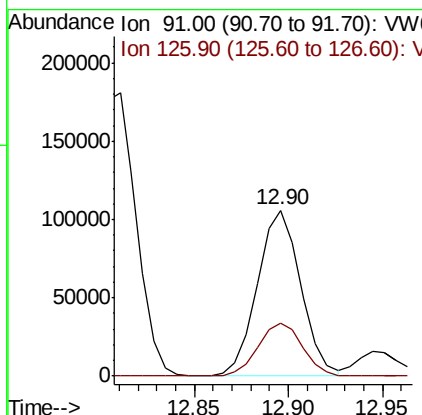
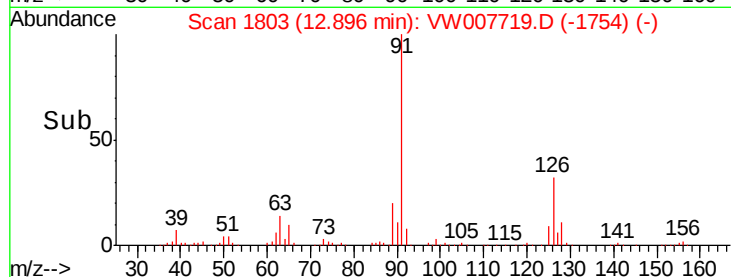
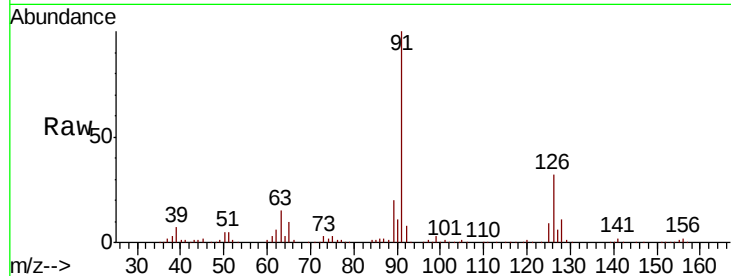
#79
2-Chlorotoluene
Concen: 54.318 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 168273
Ion Ratio Lower Upper
91 100
126 32.9 17.0 51.0

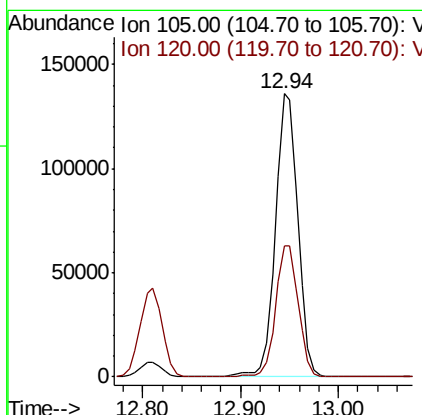
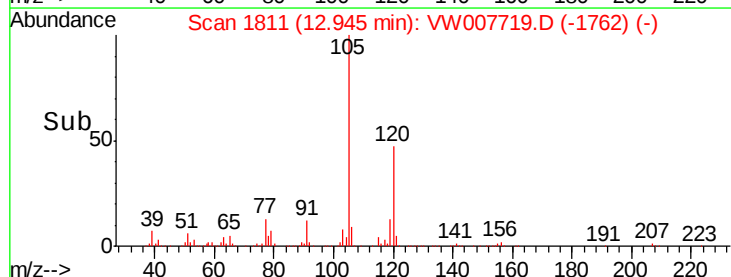
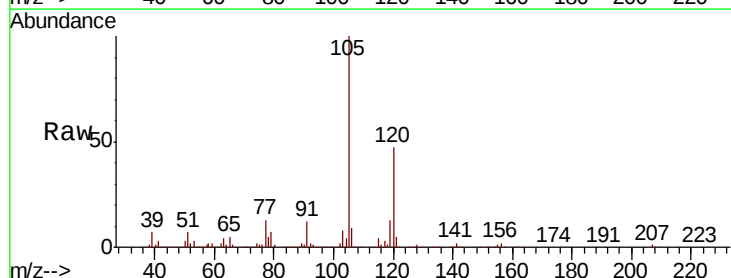
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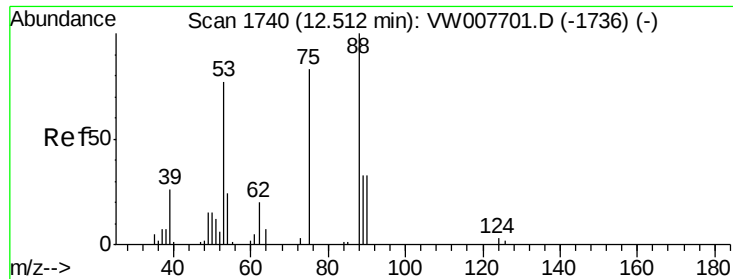
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#80
1,3,5-Trimethylbenzene
Concen: 55.257 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion:105 Resp: 217743
Ion Ratio Lower Upper
105 100
120 47.1 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.562 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

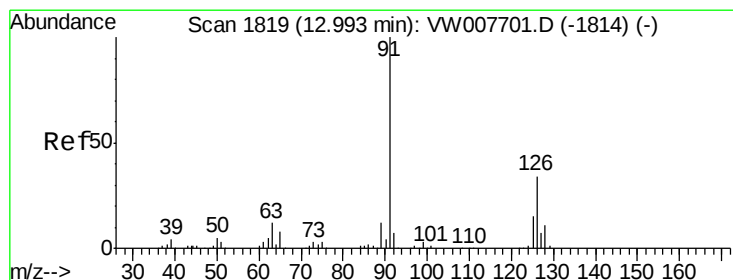
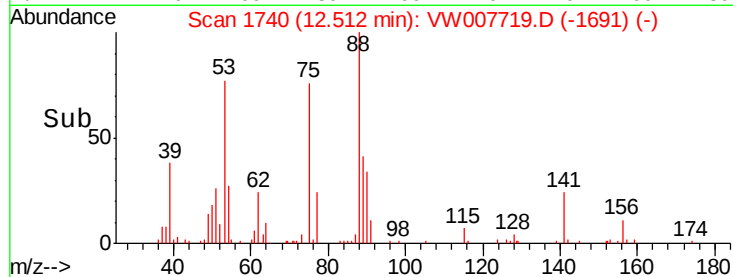
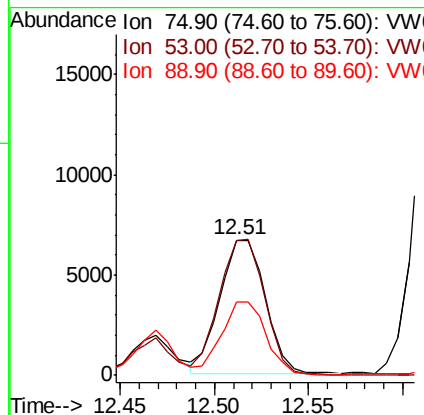
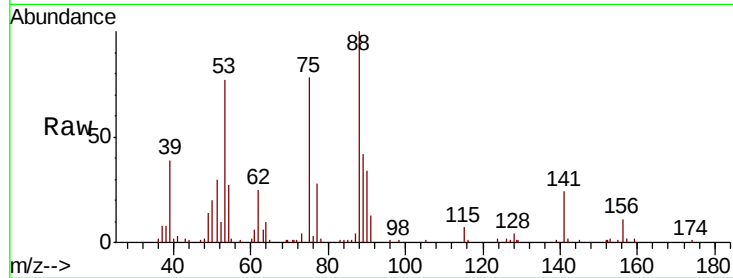
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	11252
Ion	Ratio	Lower	Upper
75	100		
53	101.6	80.2	120.2
89	54.0	39.2	58.8

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#82

4-Chlorotoluene

Concen: 53.965 ug/l

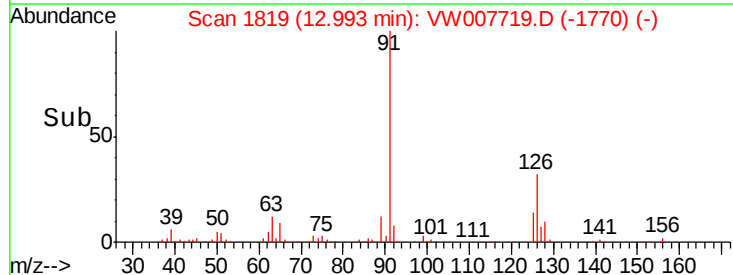
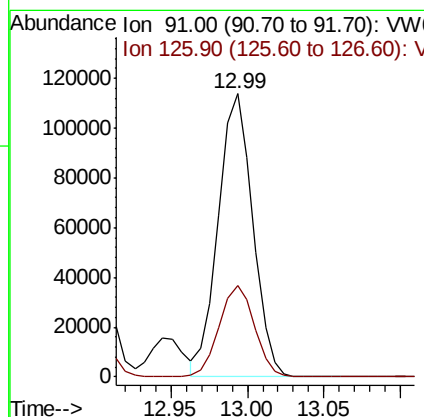
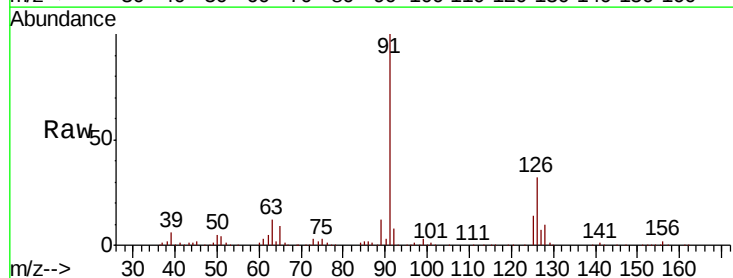
RT: 12.99 min Scan# 1819

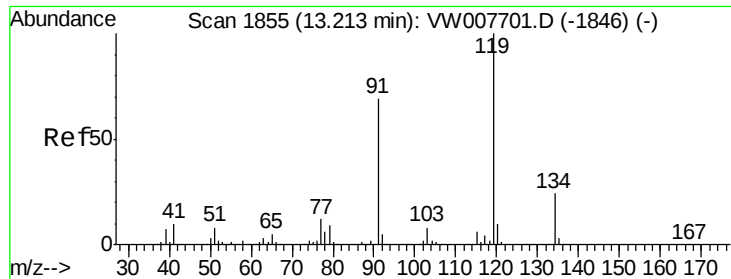
Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion:	91	Resp:	178006
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





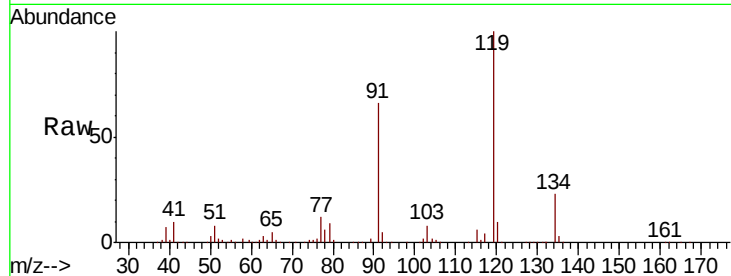
#83
tert-Butylbenzene
Concen: 53.708 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

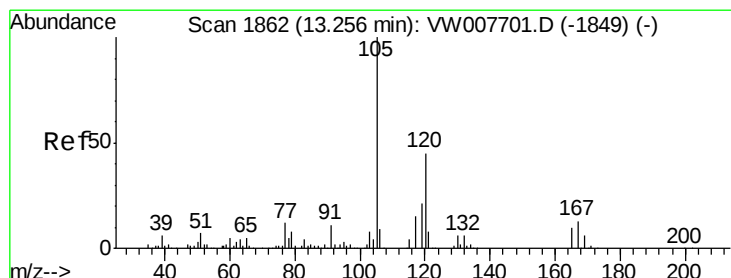
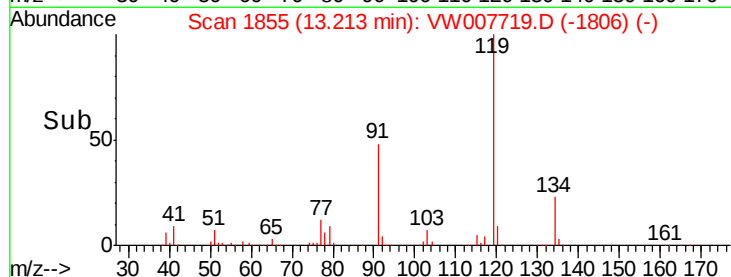
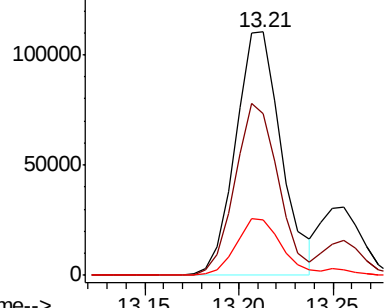
Tot Ion	Ratio	Resp	Lower	Upper
119	100	185695		
91	67.2		34.2	102.5
134	23.2		12.8	38.4

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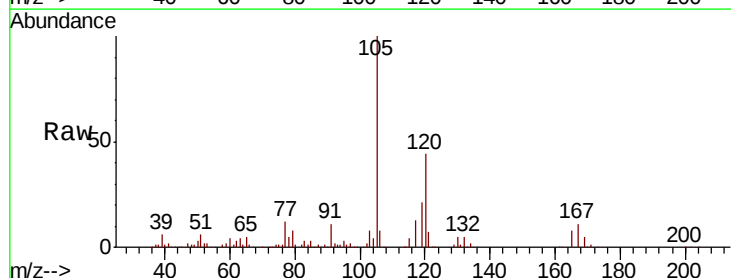


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

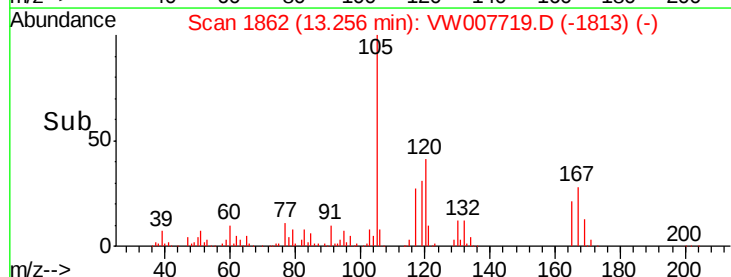
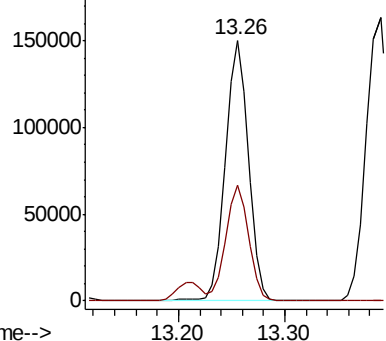


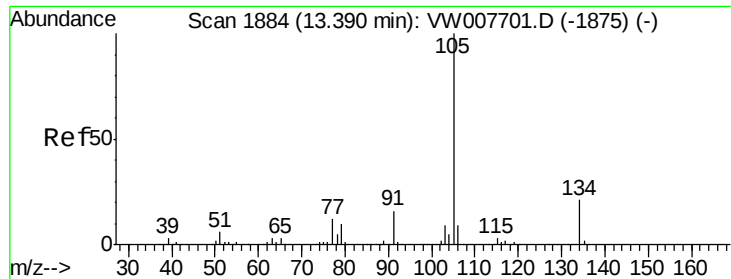
#84
1,2,4-Trimethylbenzene
Concen: 57.288 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227790		
120	44.5		22.0	66.0



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





#85

sec-Butylbenzene

Concen: 53.237 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 253679

Ion Ratio Lower Upper

105 100

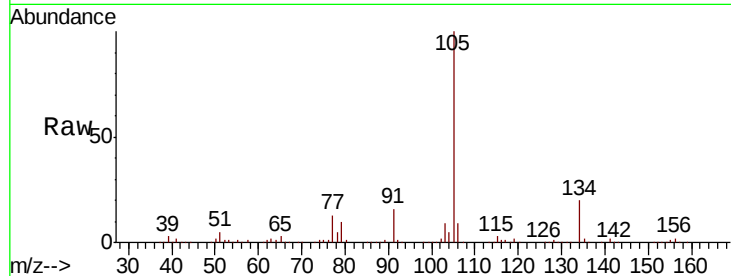
134 19.7 10.2 30.4

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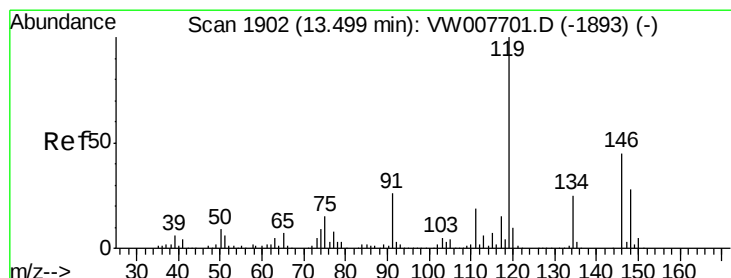
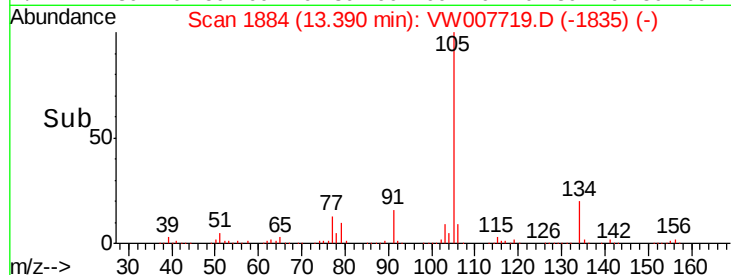
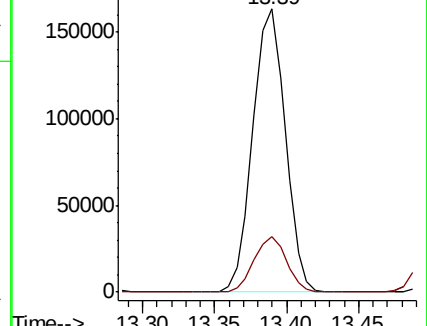
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.816 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

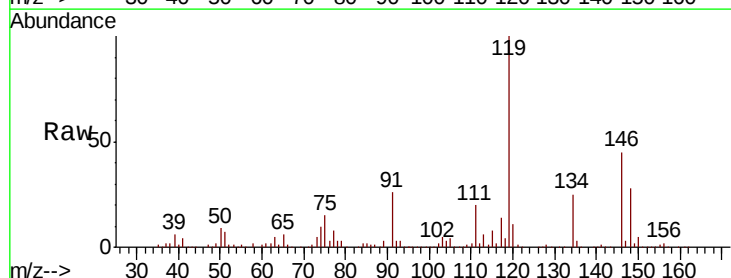
Tgt Ion:119 Resp: 228849

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

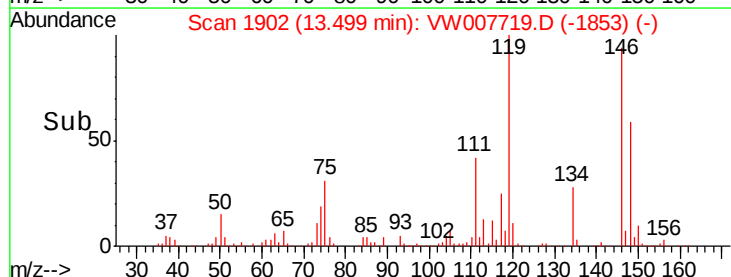
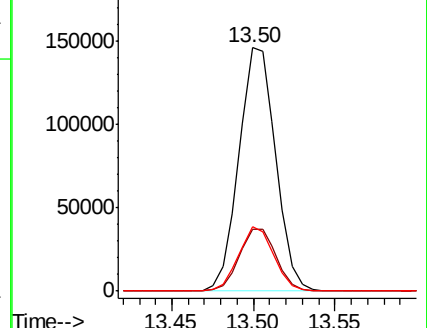
91 25.2 12.8 38.4

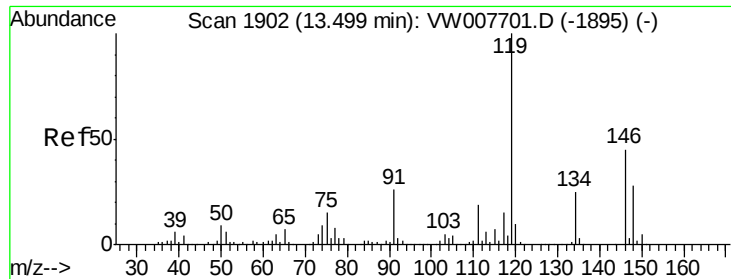


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





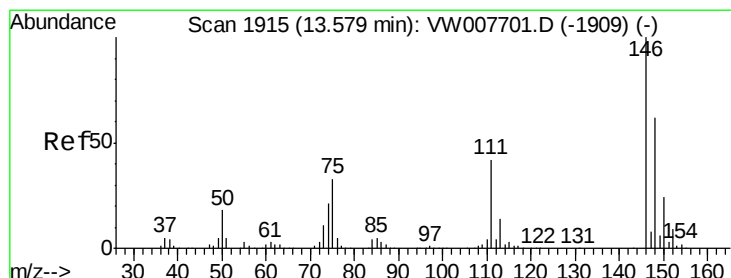
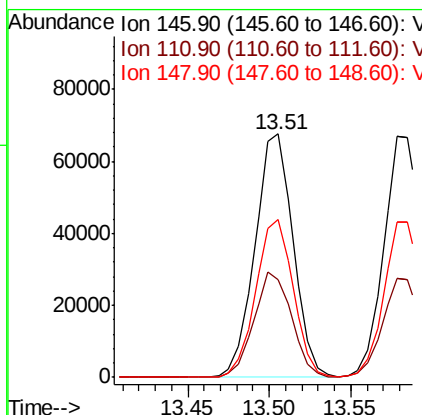
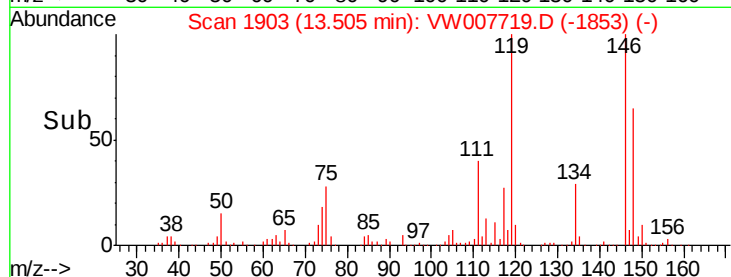
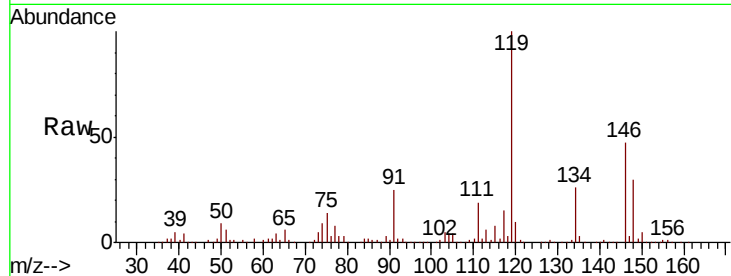
#87
 1,3-Dichlorobenzene
 Concen: 52.911 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	63.6	32.1	96.5

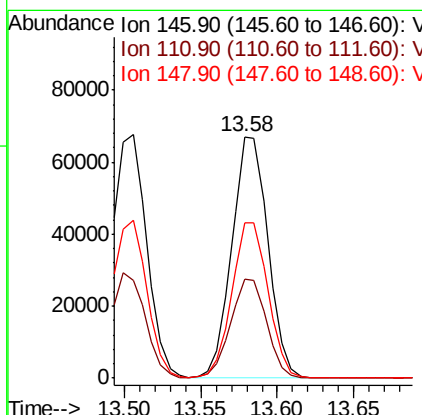
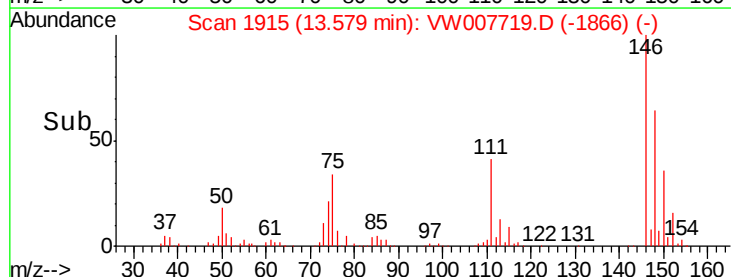
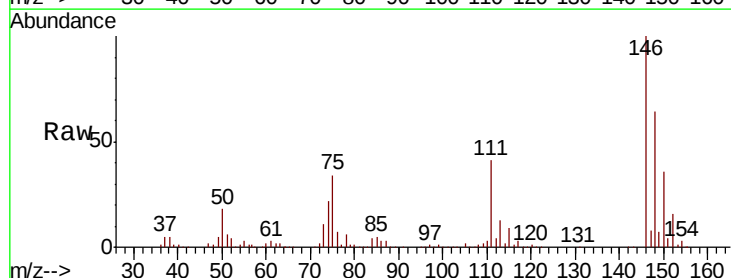
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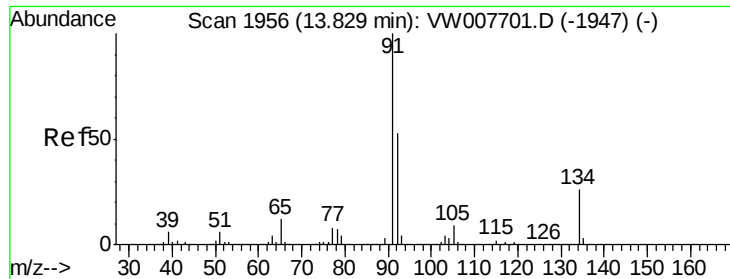
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#88
 1,4-Dichlorobenzene
 Concen: 52.684 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.0	63.0
148	64.5	31.8	95.4





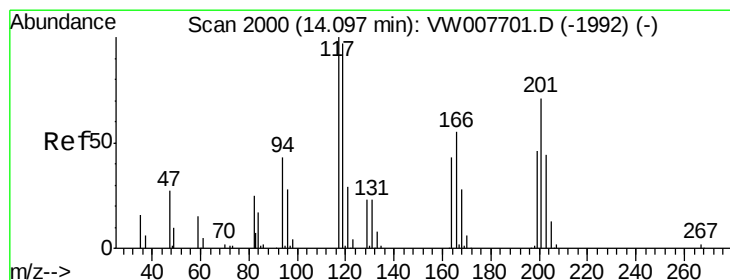
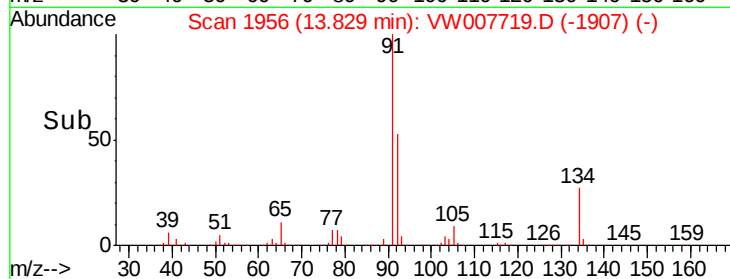
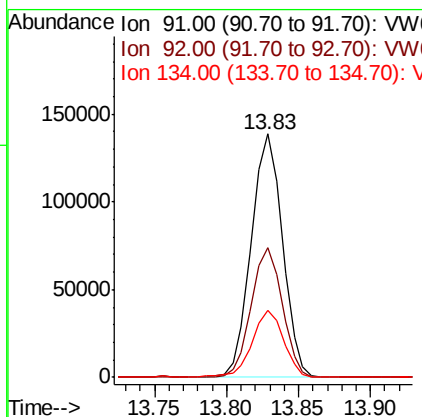
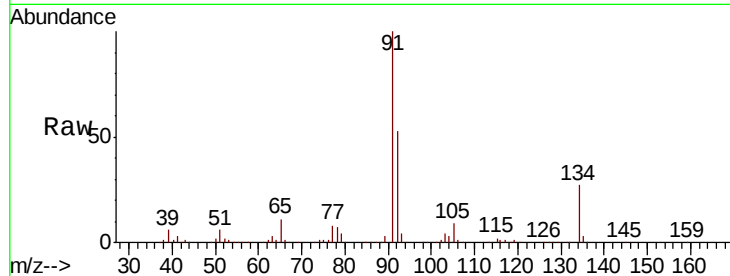
#89
n-Butylbenzene
Concen: 52.340 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	27.9	13.7	41.0

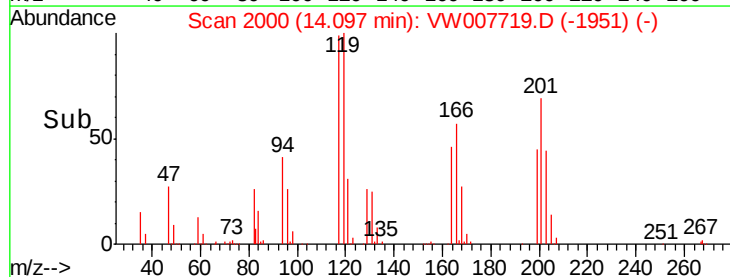
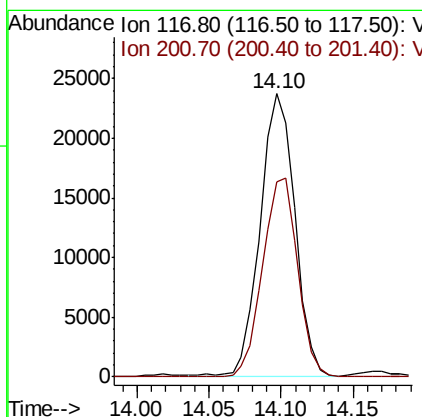
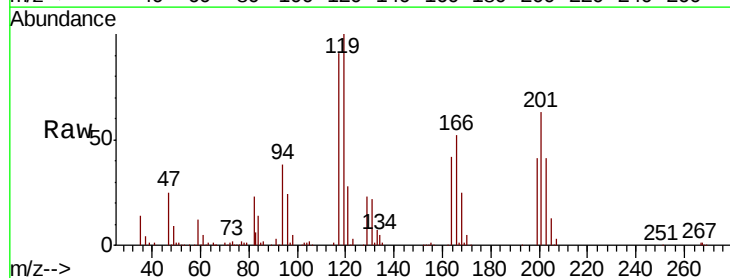
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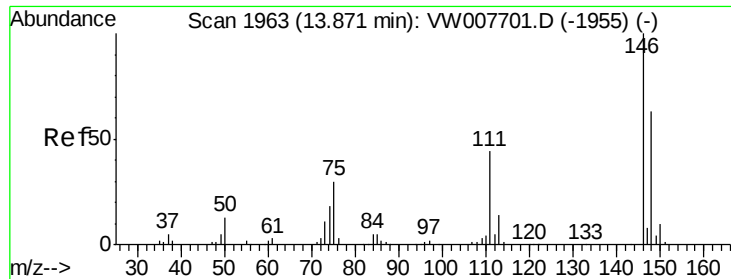
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#90
Hexachloroethane
Concen: 51.741 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.2	36.2	108.6





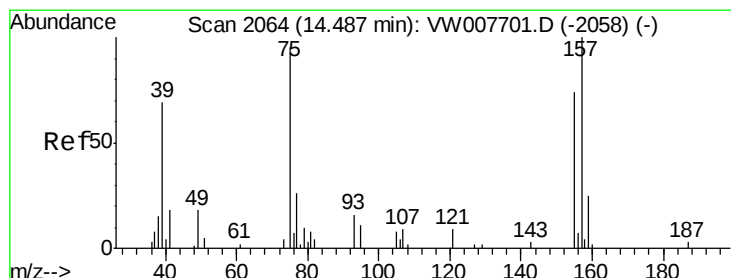
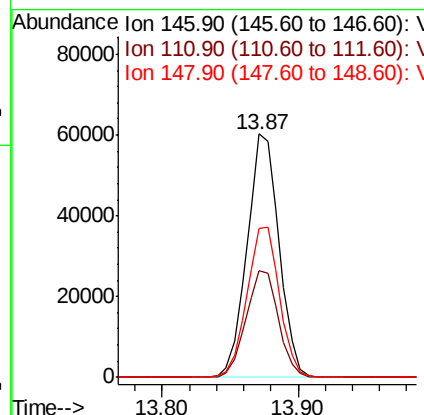
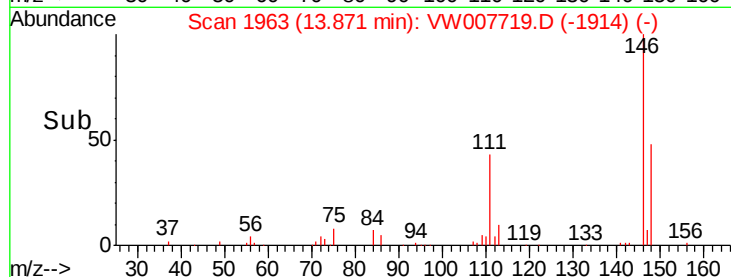
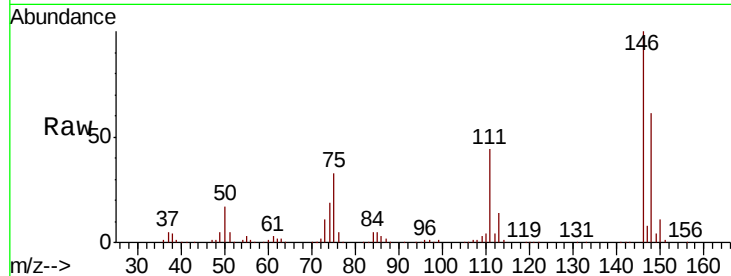
#91
 1,2-Dichlorobenzene
 Concen: 53.304 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.7	65.1
148	62.8	32.1	96.5

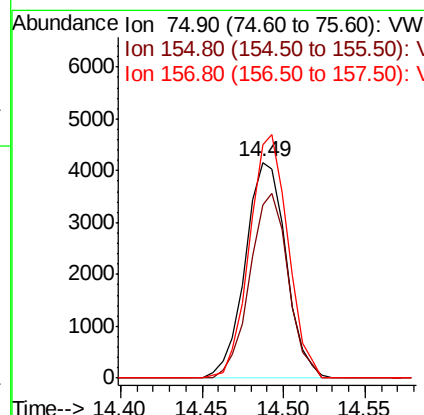
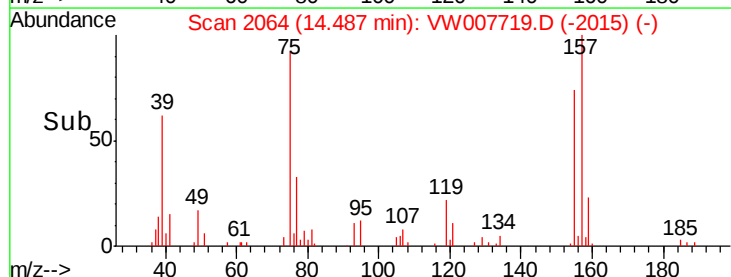
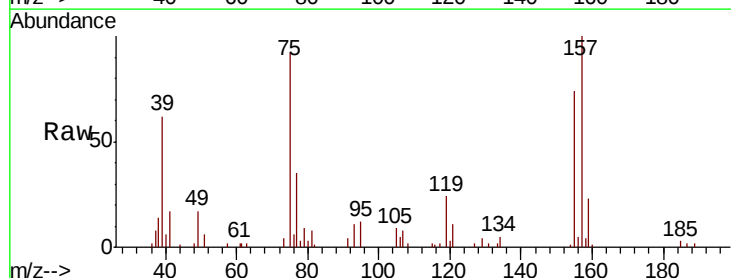
Manual Integrations
 APPROVED

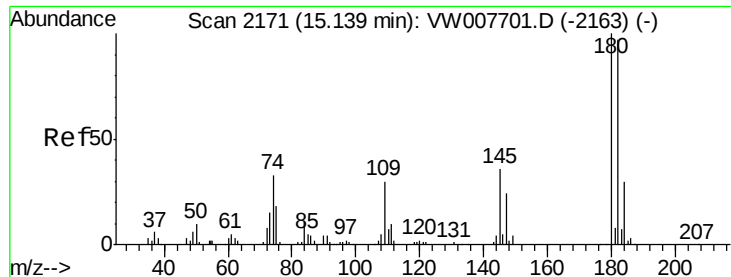
apatel
 12/20/2018 11:20:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.548 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	39.4	118.1
157	106.3	52.0	156.0





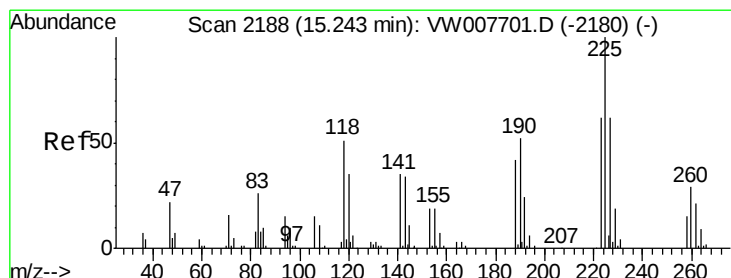
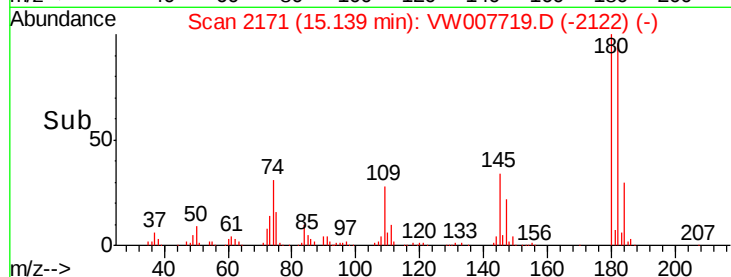
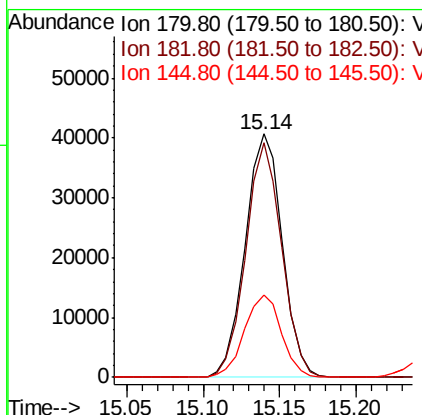
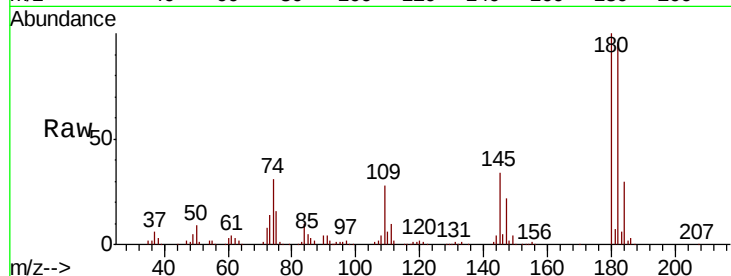
#93
 1,2,4-Trichlorobenzene
 Concen: 52.999 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.5	142.6
145	34.2	17.5	52.5

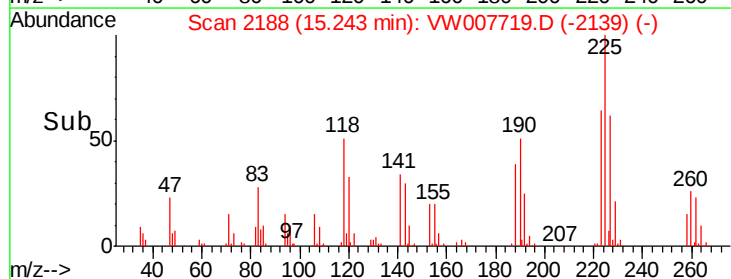
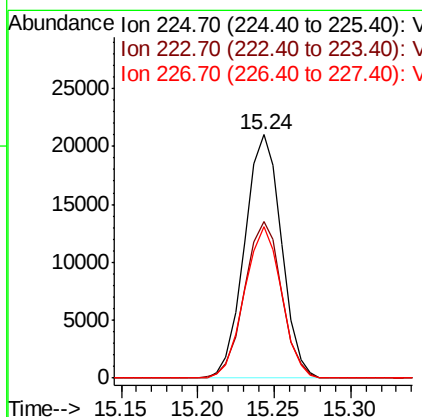
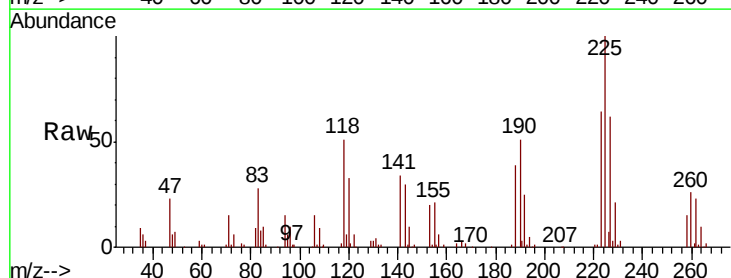
Manual Integrations
 APPROVED

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



#94
 Hexachlorobutadiene
 Concen: 51.070 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.6	94.8
227	62.3	32.1	96.3





#95

Naphthalene

Concen: 58.662 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

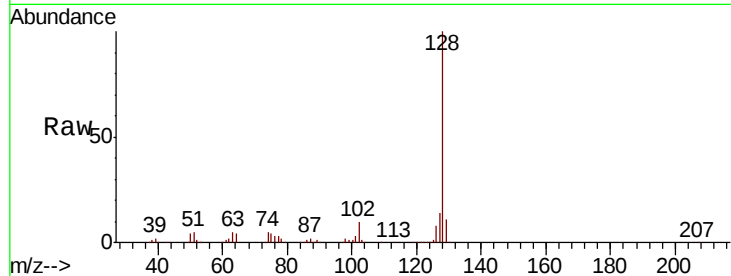
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	140116
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.7	16.1
129	11.3	8.8	13.2

Manual Integrations
APPROVED

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

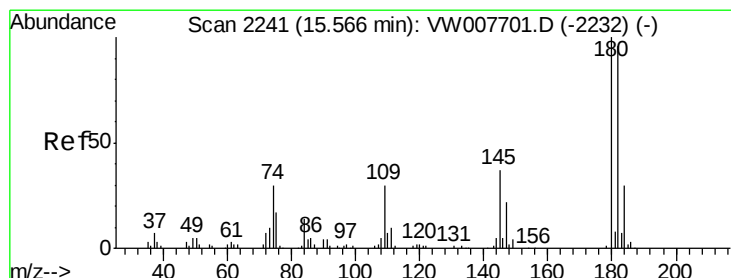
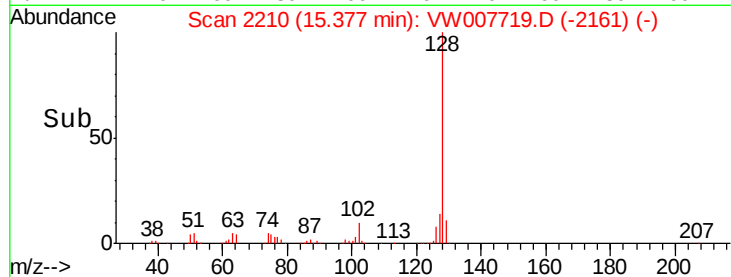
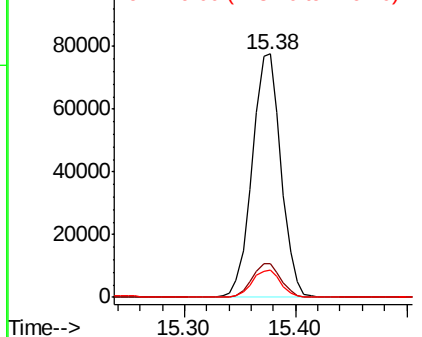


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.375 ug/l

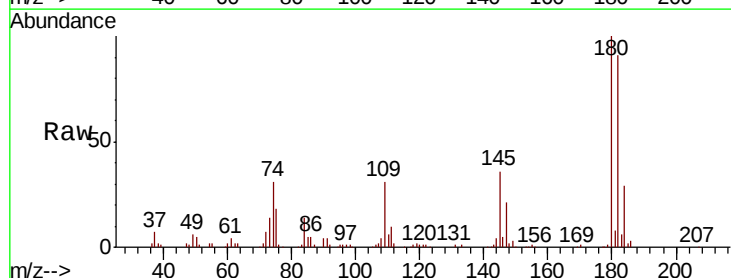
RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion:	180	Resp:	59027
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.2
145	37.2	18.4	55.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

