

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122118\
 Data File : VW007704.D
 Acq On : 19 Dec 2018 16:11
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 12/20/2018 11:19:48 AM

Quant Time: Dec 20 06:30:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 05:57:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	118410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116781	144.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.34%	
35) Dibromofluoromethane	7.88	113	105548	146.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.24%	
50) Toluene-d8	10.32	98	393717	144.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.16%	
62) 4-Bromofluorobenzene	12.62	95	149603	142.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	92554	140.875	ug/l	99
3) Chloromethane	2.22	50	59994	148.710	ug/l	96
4) Vinyl Chloride	2.37	62	72692	141.548	ug/l	95
5) Bromomethane	2.78	94	52168	145.847	ug/l	96
6) Chloroethane	2.92	64	40894	148.844	ug/l	99
7) Trichlorofluoromethane	3.26	101	85406	159.740	ug/l	97
8) Diethyl Ether	3.68	74	45628	139.331	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	107835	138.703	ug/l	99
10) Methyl Iodide	4.26	142	174332	139.219	ug/l	100
11) Tert butyl alcohol	5.18	59	37240	681.532	ug/l	99
12) 1,1-Dichloroethene	4.03	96	103490	141.934	ug/l	96
13) Acrolein	3.89	56	27752	635.215	ug/l	99
14) Allyl chloride	4.66	41	133948	140.088	ug/l	100
15) Acrylonitrile	5.37	53	98551	705.486	ug/l	100
16) Acetone	4.12	43	95762	631.333	ug/l	97
17) Carbon Disulfide	4.37	76	311441	138.028	ug/l	99
18) Methyl Acetate	4.67	43	52154	144.578	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	140230	133.963	ug/l	97
20) Methylene Chloride	4.91	84	100288	109.699	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	109836	136.967	ug/l	95
22) Diisopropyl ether	6.31	45	248945	139.045	ug/l	99
23) Vinyl Acetate	6.25	43	760784	715.206	ug/l	100
24) 1,1-Dichloroethane	6.21	63	179950	136.624	ug/l	98
25) 2-Butanone	7.17	43	119203	670.946	ug/l	98
26) 2,2-Dichloropropane	7.16	77	125229	129.930	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	117791	137.870	ug/l	99
28) Bromochloromethane	7.51	49	65274	145.351	ug/l	100
29) Tetrahydrofuran	7.53	42	74994	707.665	ug/l	99
30) Chloroform	7.68	83	204967	137.509	ug/l	98
31) Cyclohexane	7.95	56	157151	130.330	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	186454	137.347	ug/l	100
36) 1,1-Dichloropropene	8.08	75	156033	136.528	ug/l	99
37) Ethyl Acetate	7.25	43	54025	136.973	ug/l	97
38) Carbon Tetrachloride	8.07	117	187130	139.032	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	196264	138.201	ug/l	100
40) Benzene	8.32	78	413250	135.504	ug/l	99
41) Methacrylonitrile	7.48	41	31884	142.382	ug/l	95
42) 1,2-Dichloroethane	8.40	62	141594	138.542	ug/l	100
43) Isopropyl Acetate	8.43	43	110814	140.235	ug/l	99
44) Trichloroethene	9.09	130	125641	136.228	ug/l	99
45) 1,2-Dichloropropane	9.37	63	92904	137.289	ug/l	98
46) Dibromomethane	9.46	93	57583	138.235	ug/l	98
47) Bromodichloromethane	9.65	83	152666	139.407	ug/l	99
48) Methyl methacrylate	9.44	41	56750	143.878	ug/l	97
49) 1,4-Dioxane	9.45	88	19494	2951.675	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	258358	691.819	ug/l	99
52) Toluene	10.39	92	276728	135.243	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	155439	142.701	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	168683	140.199	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	78136	136.062	ug/l	98
56) Ethyl methacrylate	10.65	69	99167	146.156	ug/l	99
57) 1,3-Dichloropropane	10.93	76	132038	138.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	199911	645.324	ug/l	100
59) 2-Hexanone	10.97	43	183972	700.487	ug/l	100
60) Dibromochloromethane	11.13	129	107188	140.969	ug/l	99
61) 1,2-Dibromoethane	11.24	107	81116	139.485	ug/l	99
64) Tetrachloroethene	10.87	164	104885	135.863	ug/l	98
65) Chlorobenzene	11.66	112	314989	133.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114171	135.412	ug/l	100
67) Ethyl Benzene	11.73	91	551150	136.116	ug/l	97
68) m/p-Xylenes	11.84	106	419113	266.829	ug/l	99
69) o-Xylene	12.17	106	199606	135.570	ug/l	98
70) Styrene	12.18	104	329912	136.314	ug/l	100
71) Bromoform	12.35	173	61712	140.995	ug/l #	99
73) Isopropylbenzene	12.47	105	567778	141.062	ug/l	99
74) N-amyl acetate	12.27	43	103428	148.349	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	84575	140.144	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	52773m	65.467	ug/l	
77) Bromobenzene	12.75	156	126399	137.027	ug/l	99
78) n-propylbenzene	12.81	91	654140	139.613	ug/l	100
79) 2-Chlorotoluene	12.90	91	380023	139.230	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	484006	139.408	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	28988	147.845	ug/l	96
82) 4-Chlorotoluene	12.99	91	403447	138.821	ug/l	99
83) tert-Butylbenzene	13.21	119	423501	139.021	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	481201	137.356	ug/l	100
85) sec-Butylbenzene	13.39	105	577896	137.648	ug/l	100
86) p-Isopropyltoluene	13.51	119	517911	135.663	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	241117	131.652	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	245724	134.128	ug/l	99
89) n-Butylbenzene	13.83	91	481263	137.492	ug/l	100
90) Hexachloroethane	14.10	117	93421	139.387	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	218845	133.459	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17512	141.300	ug/l	97

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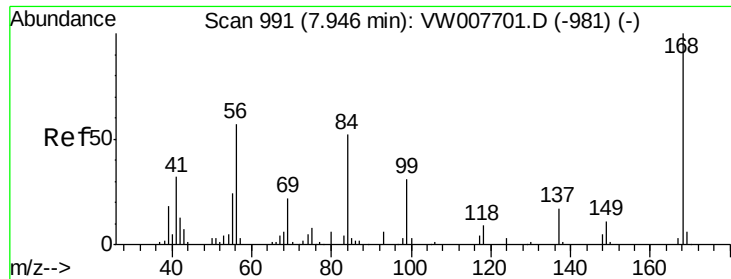
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	155586	136.687	ug/l	98
94) Hexachlorobutadiene	15.24	225	82365	135.400	ug/l	99
95) Naphthalene	15.37	128	303831	144.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	134129	137.659	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 73903

Ion Ratio Lower Upper

168 100

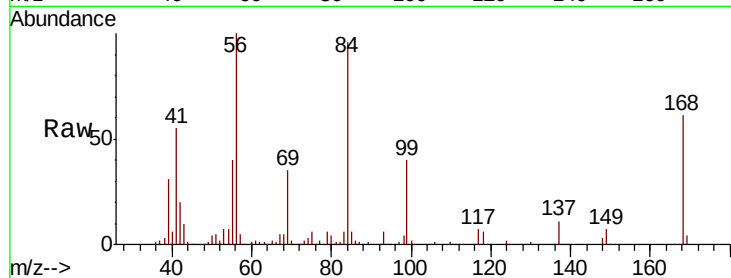
99 65.6 54.0 81.0

Manual Integrations

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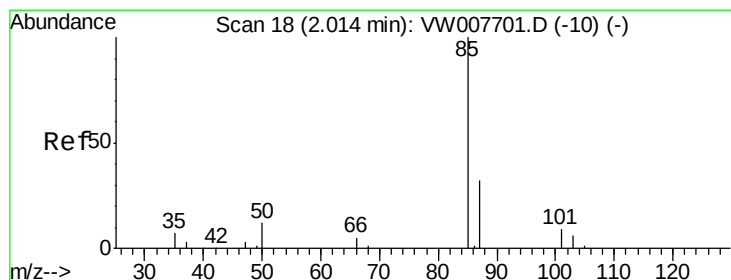
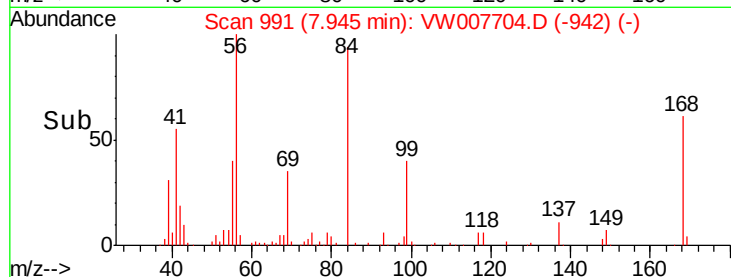
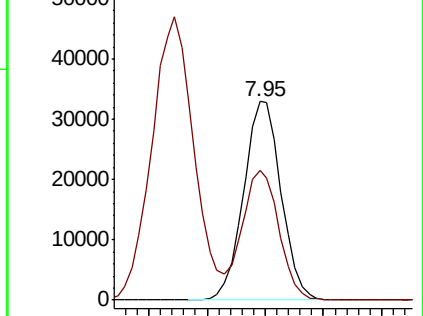
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 140.875 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007704.D

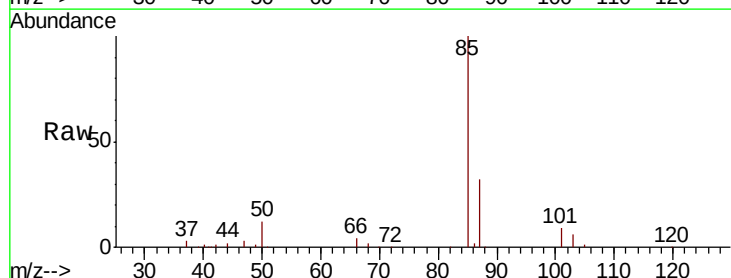
Acq: 19 Dec 2018 16:11

Tgt Ion: 85 Resp: 92554

Ion Ratio Lower Upper

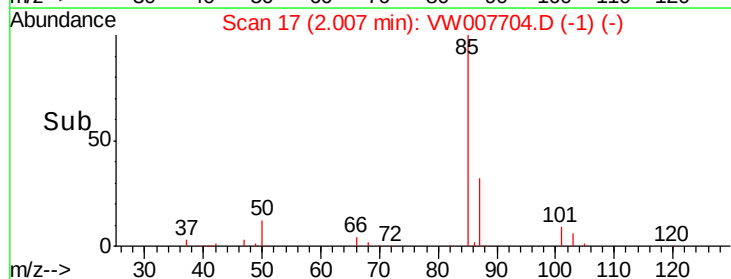
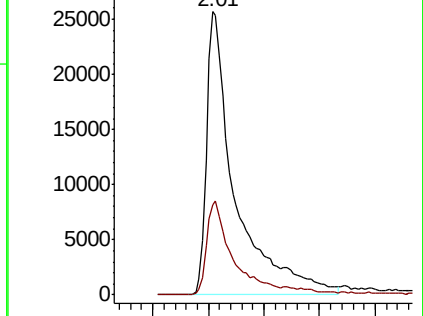
85 100

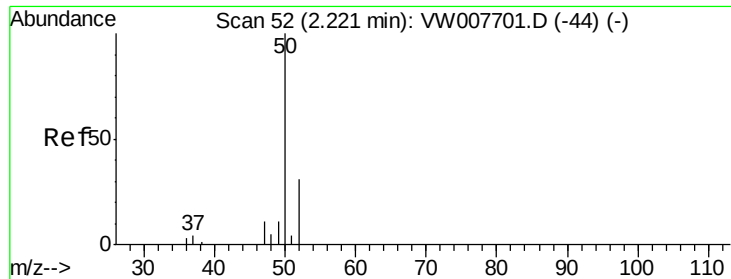
87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 148.710 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 59994

Ion Ratio Lower Upper

50 100

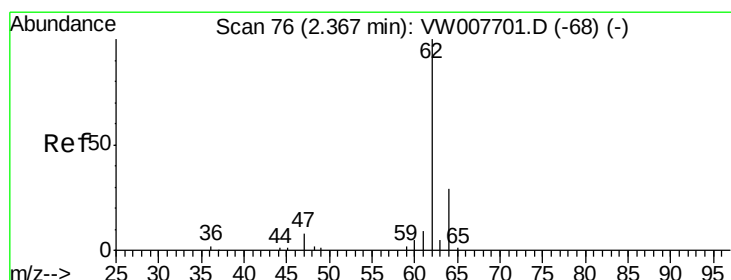
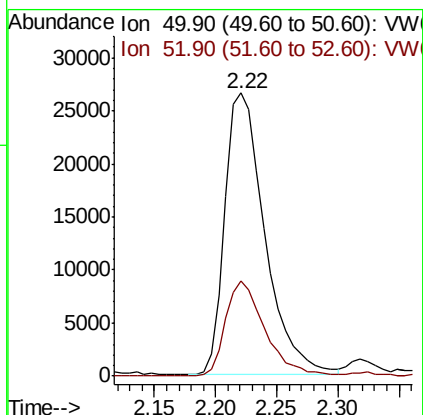
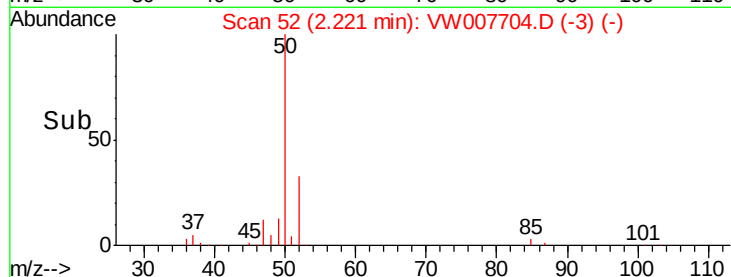
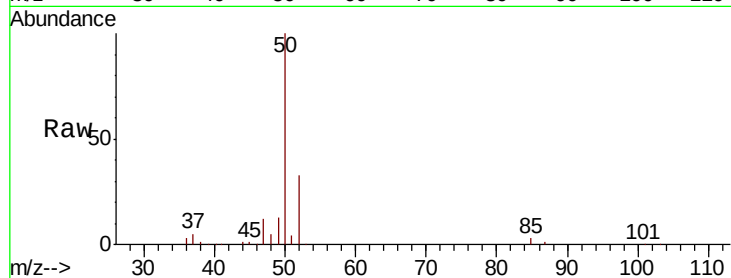
52 33.7 25.1 37.7

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#4

Vinyl Chloride

Concen: 141.548 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007704.D

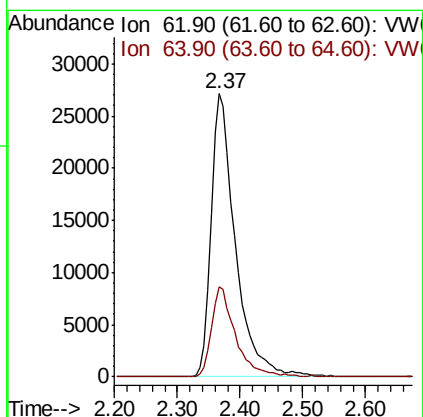
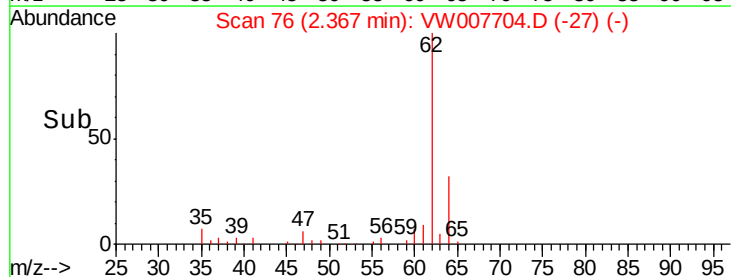
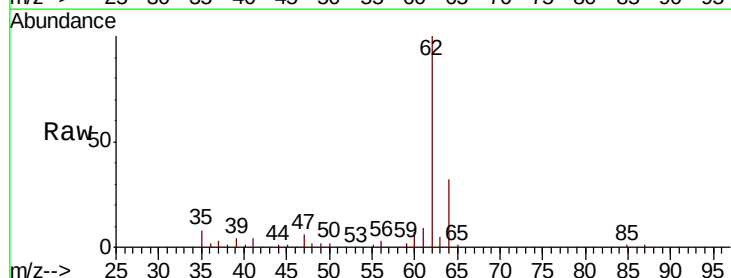
Acq: 19 Dec 2018 16:11

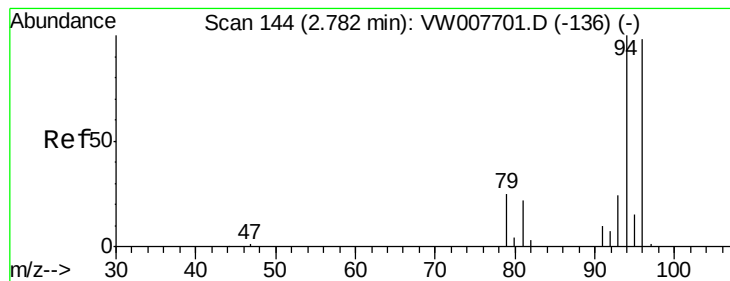
Tgt Ion: 62 Resp: 72692

Ion Ratio Lower Upper

62 100

64 32.0 23.4 35.0





#5

Bromomethane

Concen: 145.847 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 52168

Ion Ratio Lower Upper

94 100

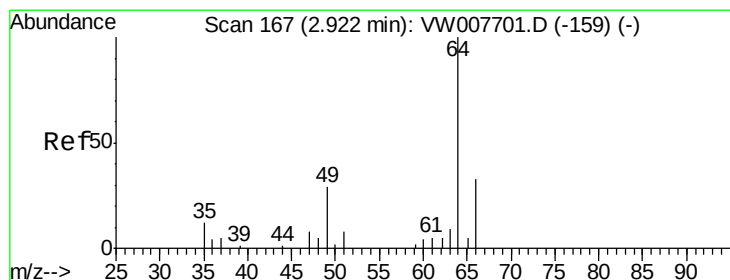
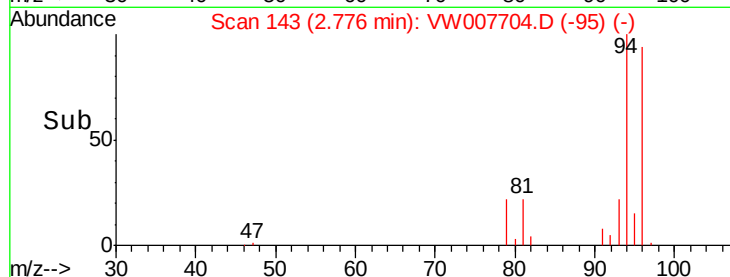
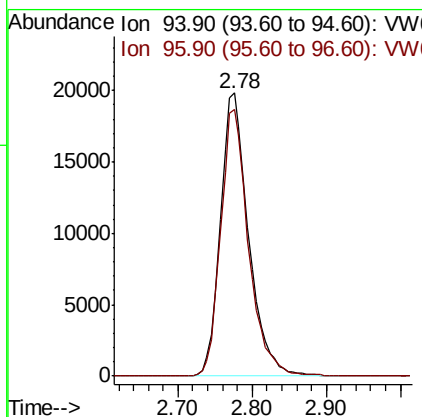
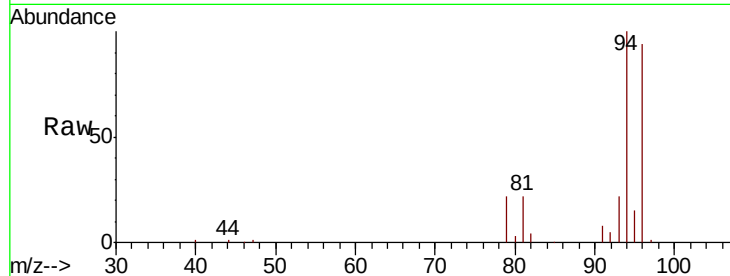
96 94.2 78.2 117.2

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#6

Chloroethane

Concen: 148.844 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007704.D

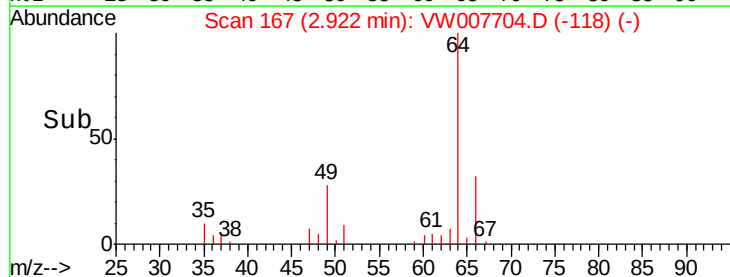
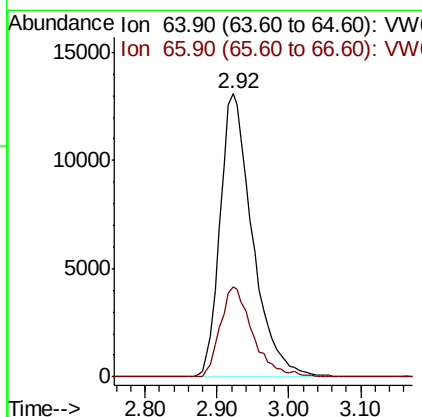
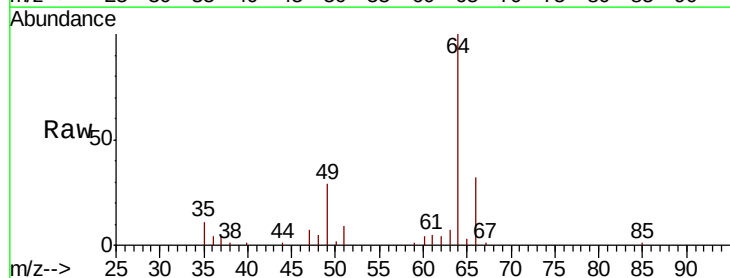
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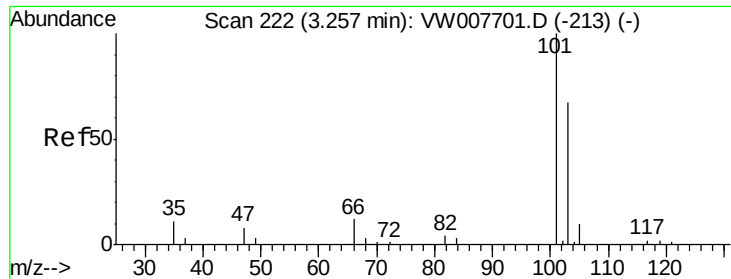
Tgt Ion: 64 Resp: 40894

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.4





#7

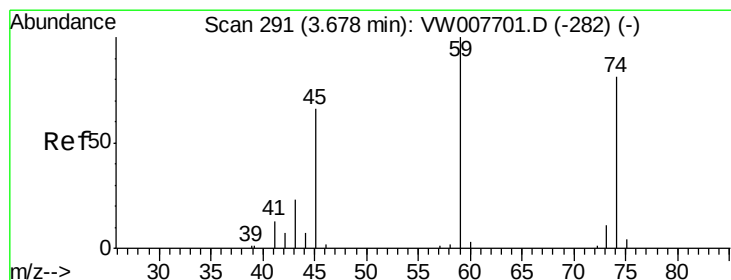
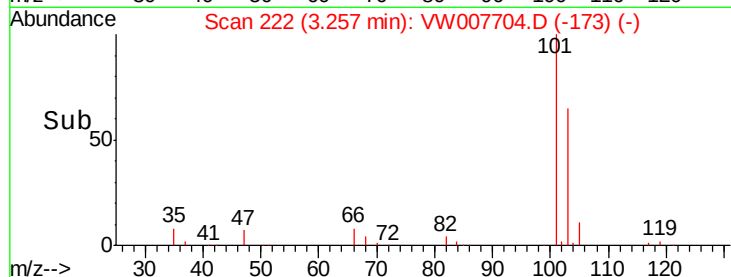
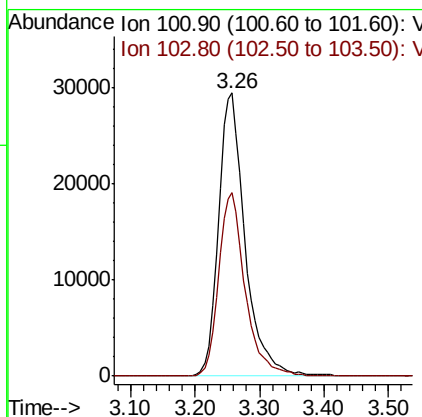
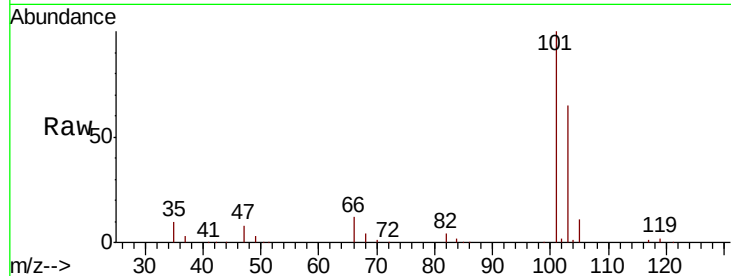
Trichlorofluoromethane
Concen: 159.740 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		85406		
103	64.8	53.4	80.2		

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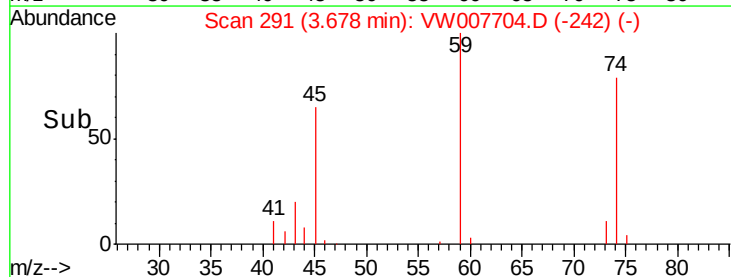
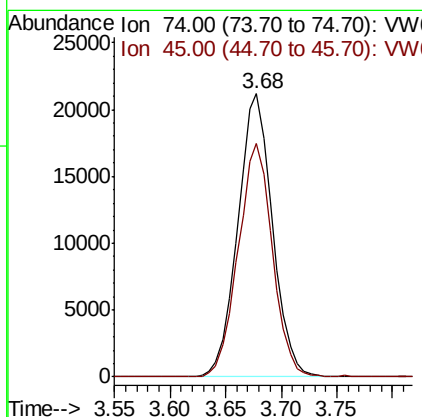
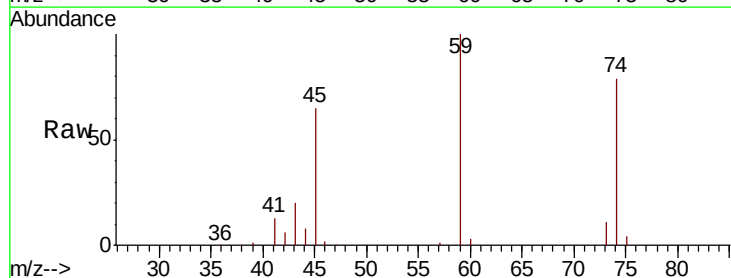
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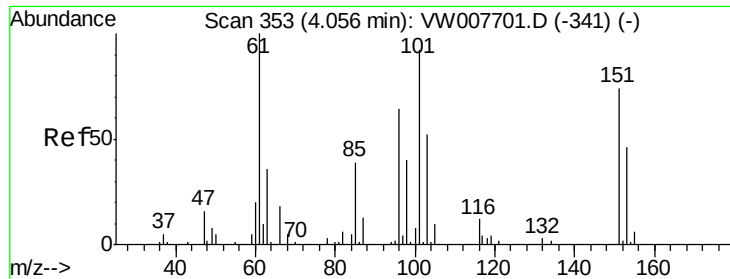


#8

Diethyl Ether
Concen: 139.331 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		45628		
45	81.6	39.4	118.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.703 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

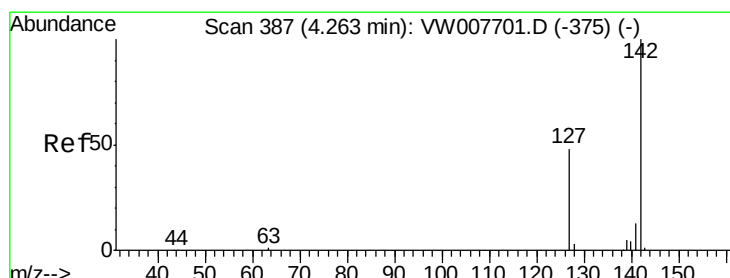
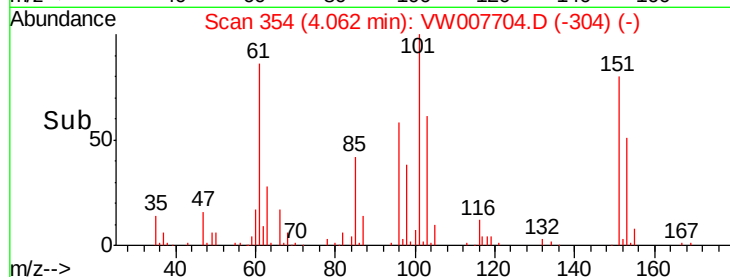
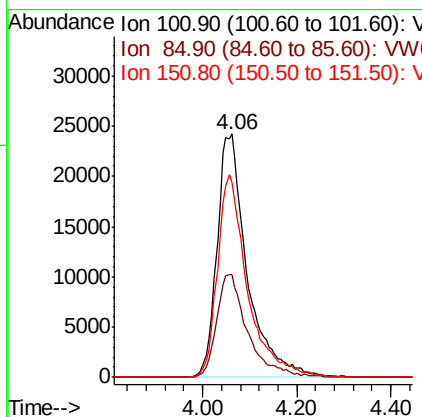
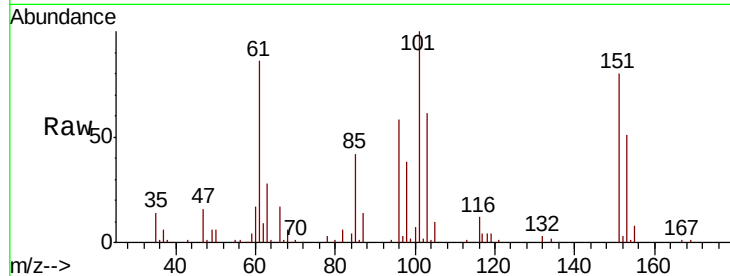
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	107835
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.3	51.5
151	82.3	64.6	96.8

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#10

Methyl Iodide

Concen: 139.219 ug/l

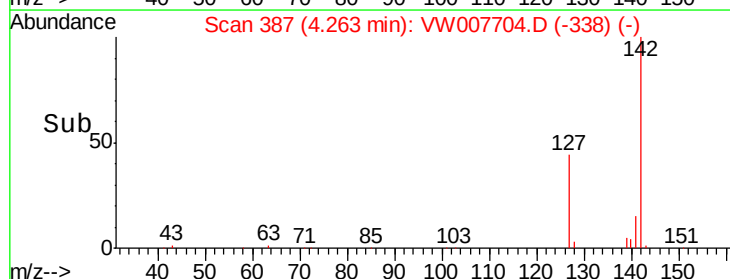
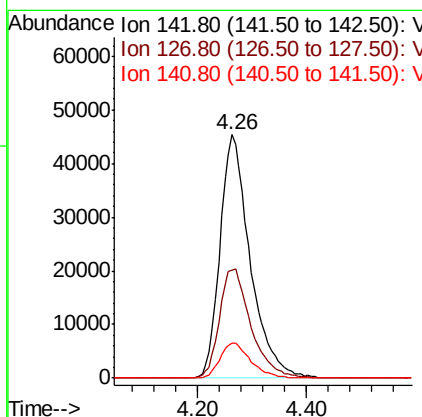
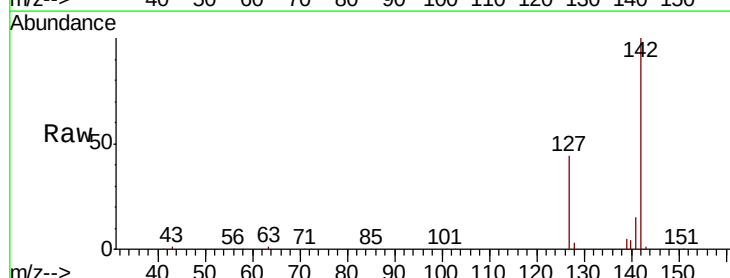
RT: 4.26 min Scan# 387

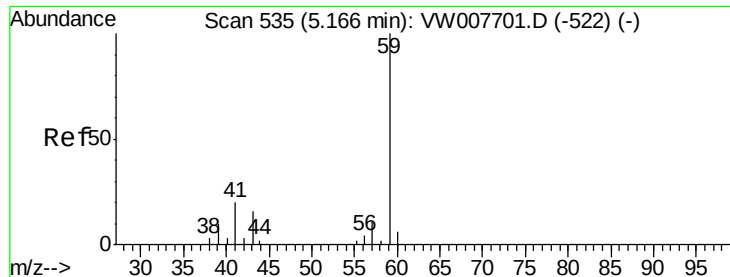
Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion:	142	Resp:	174332
Ion Ratio	Lower	Upper	
142	100		
127	47.0	37.7	56.5
141	14.9	11.5	17.3





#11

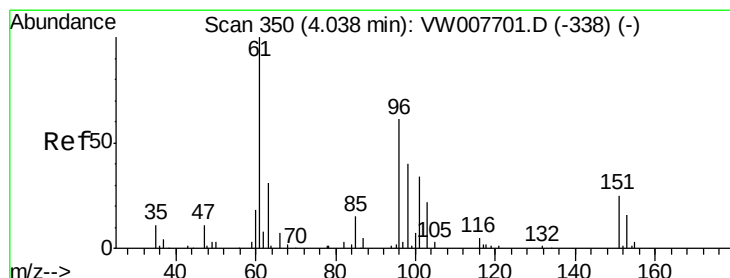
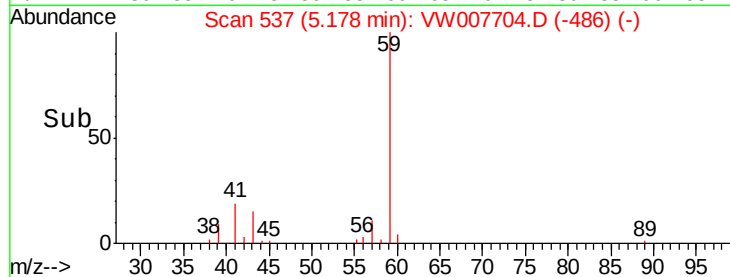
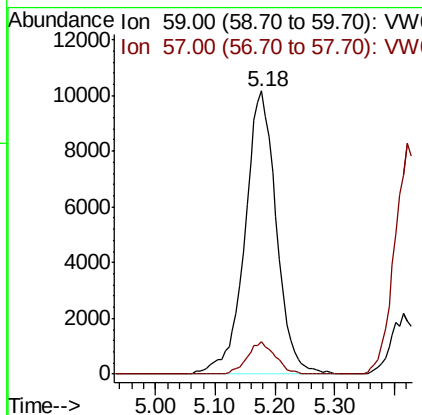
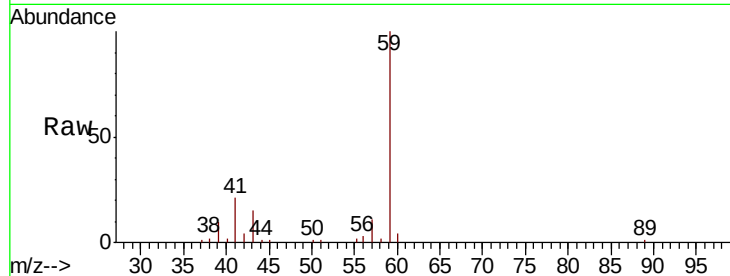
Tert butyl alcohol
 Concen: 681.532 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	59	57	Ratio	100	10.1	Resp	37240	Lower	7.8	Upper	11.8
Ion	59	57	Ratio	100	10.1	Resp	37240	Lower	7.8	Upper	11.8

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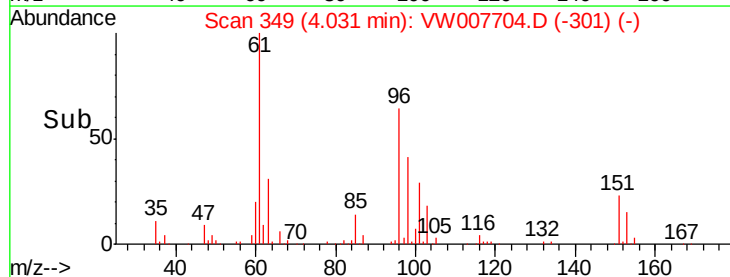
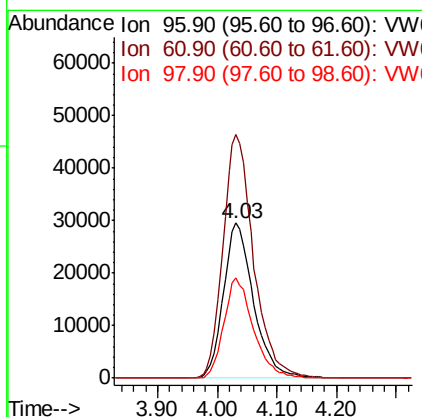
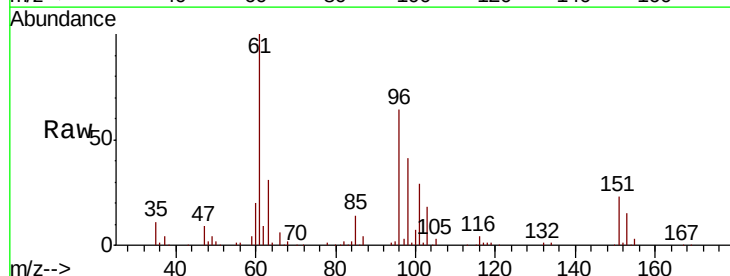
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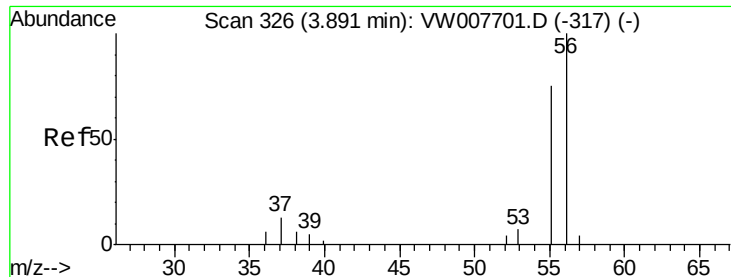


#12

1,1-Dichloroethene
 Concen: 141.934 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion	96	61	98	Ratio	100	157.3	64.4	Resp	103490	Lower	130.6	52.3	Upper	195.8	78.5
Ion	96	61	98	Ratio	100	157.3	64.4	Resp	103490	Lower	130.6	52.3	Upper	195.8	78.5





#13

Acrolein

Concen: 635.215 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 27752

Ion Ratio Lower Upper

56 100

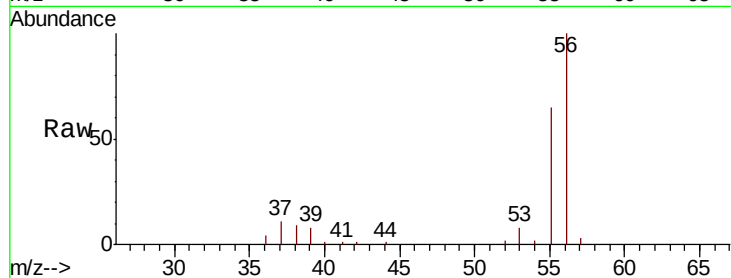
55 71.1 57.7 86.5

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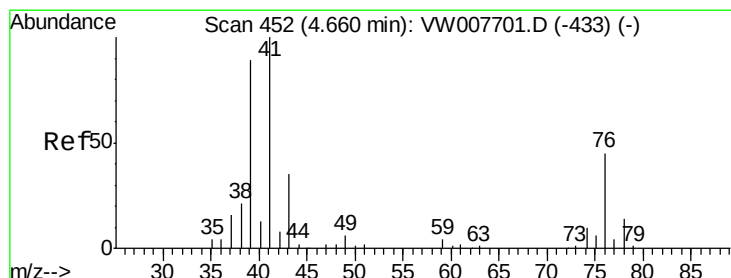
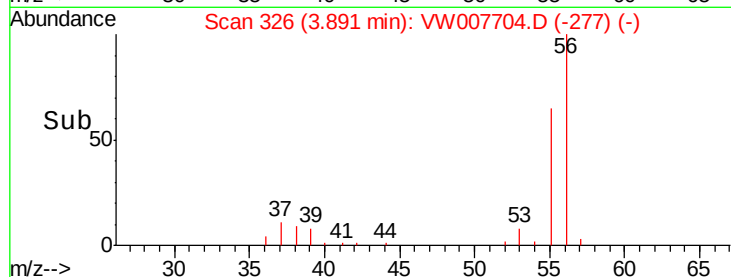
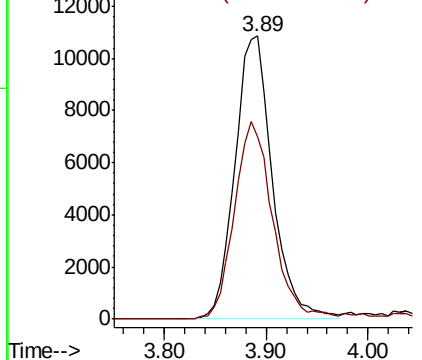
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 140.088 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

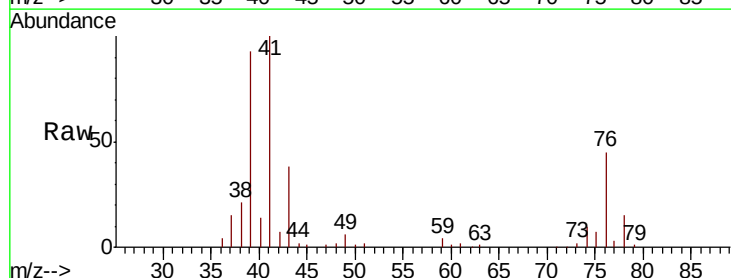
Tgt Ion: 41 Resp: 133948

Ion Ratio Lower Upper

41 100

39 87.4 69.5 104.3

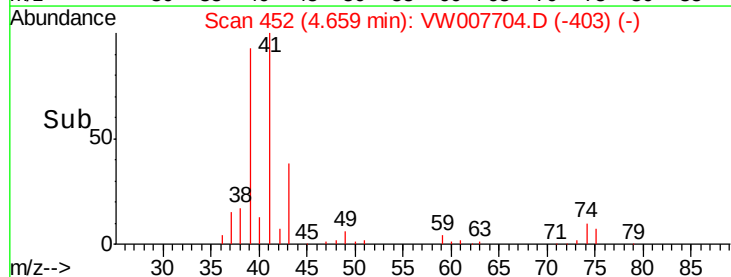
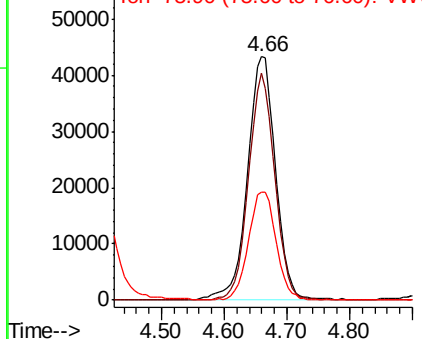
76 43.8 34.8 52.2

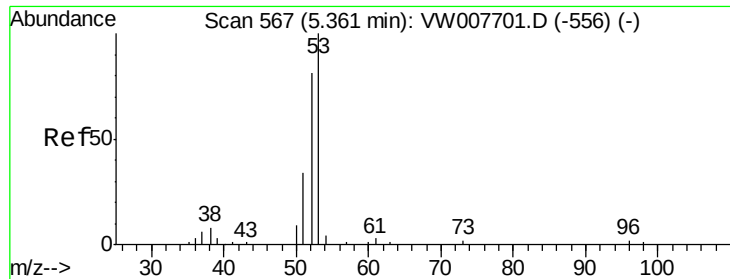


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 705.486 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

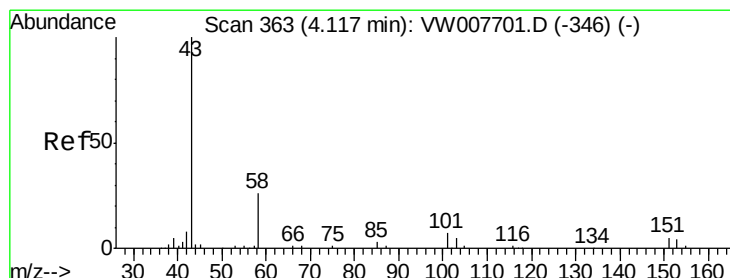
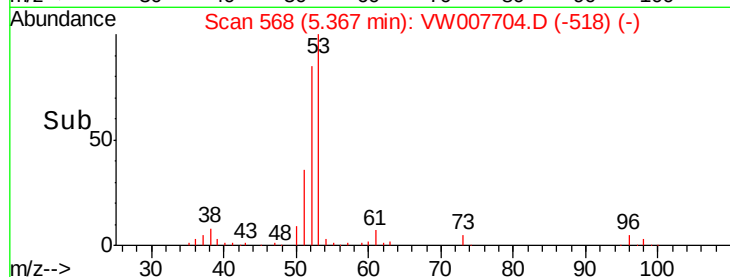
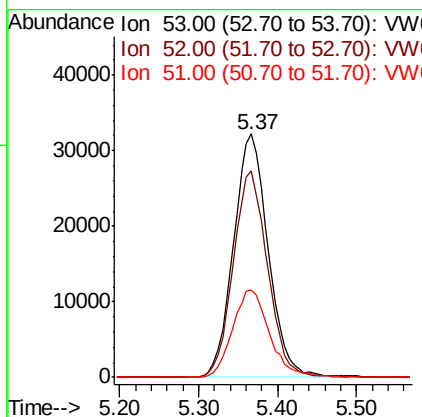
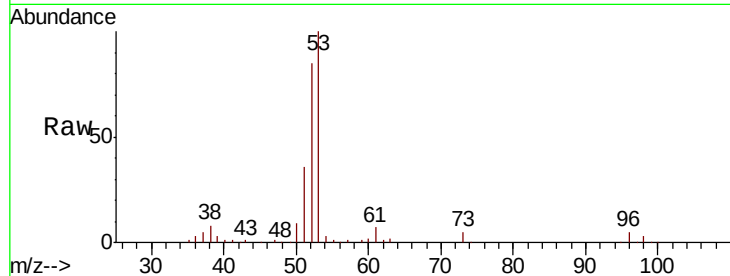
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	98551
Ion Ratio	Lower	Upper	
53	100		
52	83.8	67.0	100.4
51	38.2	30.2	45.2

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#16

Acetone

Concen: 631.333 ug/l

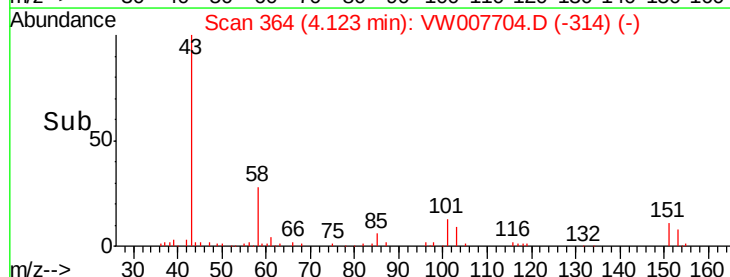
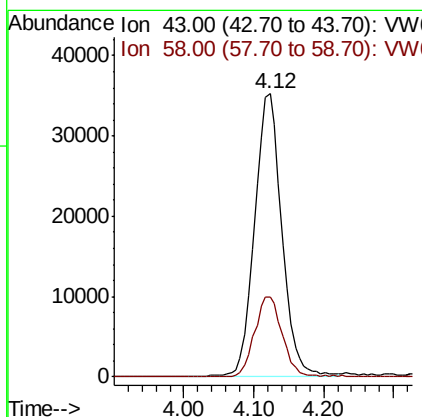
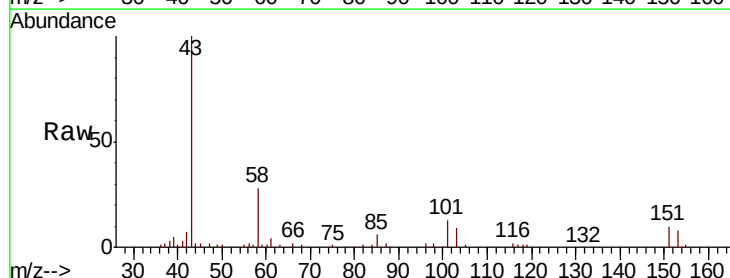
RT: 4.12 min Scan# 364

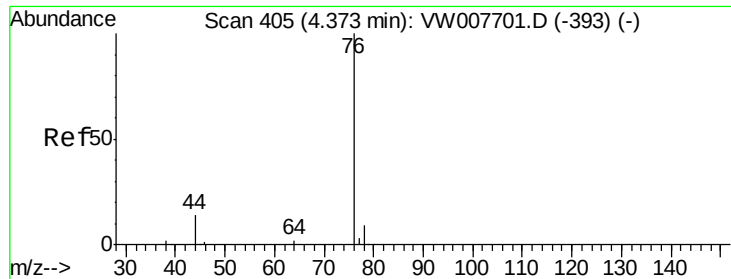
Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion:	43	Resp:	95762
Ion Ratio	Lower	Upper	
43	100		
58	28.1	21.2	31.8





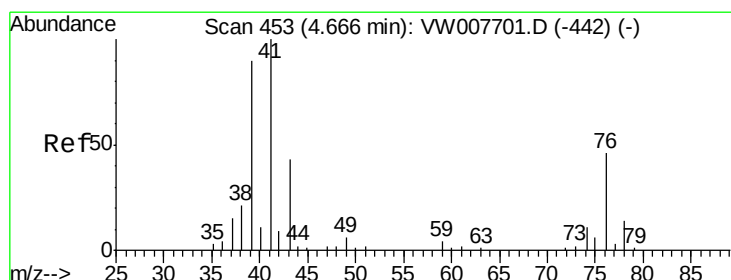
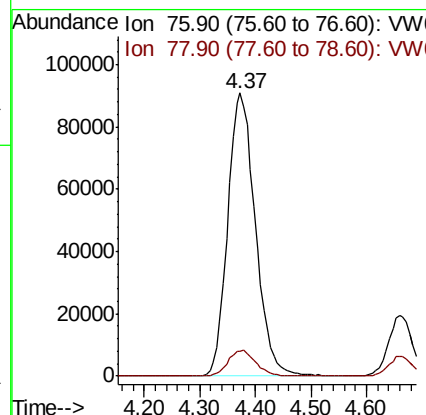
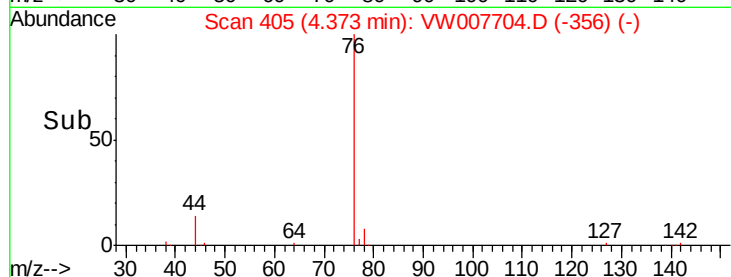
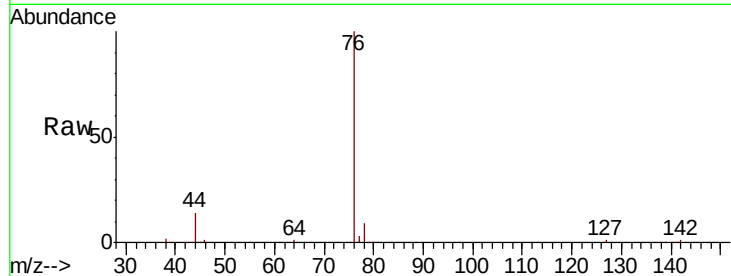
#17
Carbon Disulfide
Concen: 138.028 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

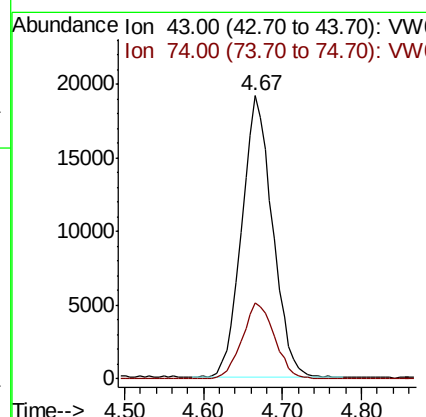
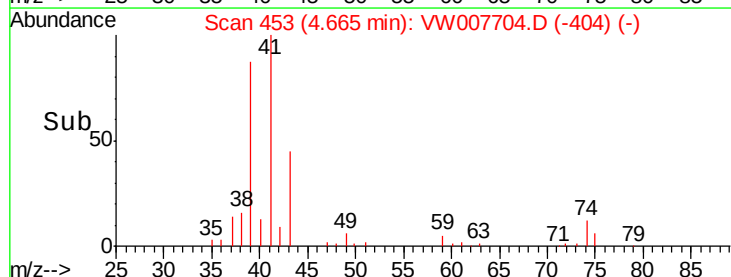
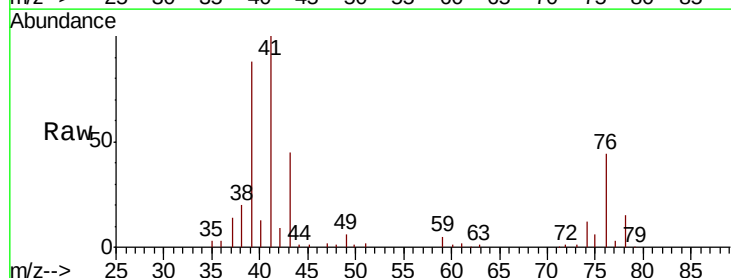
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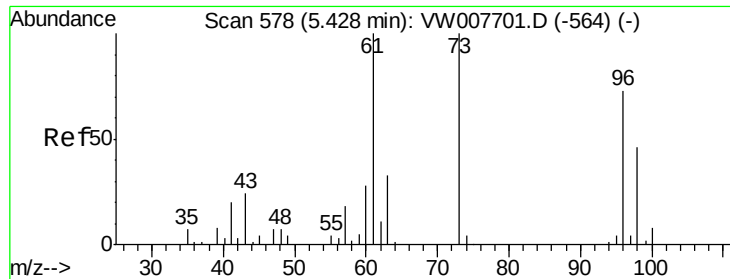
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#18
Methyl Acetate
Concen: 144.578 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.2	22.7	34.1





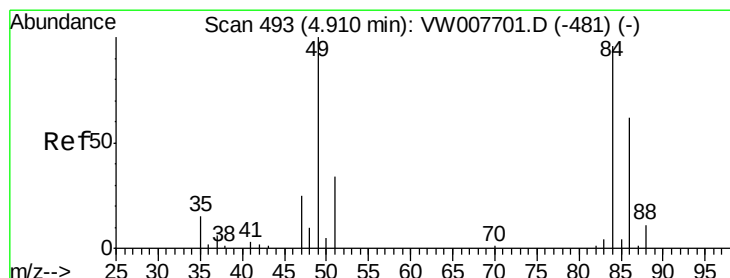
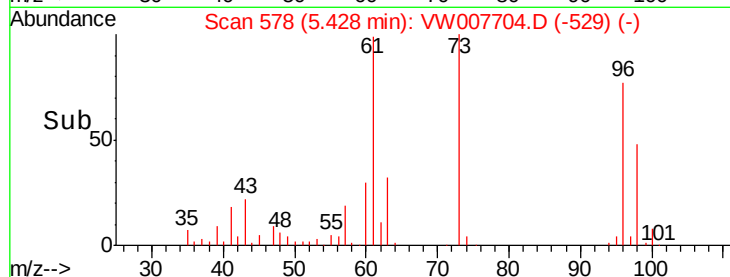
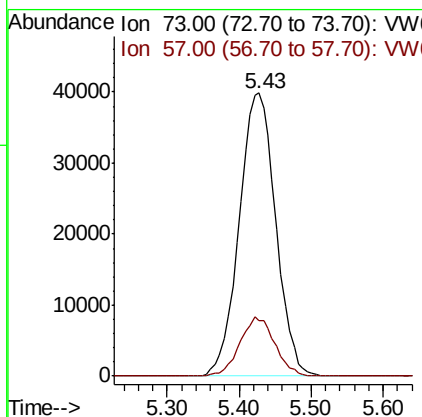
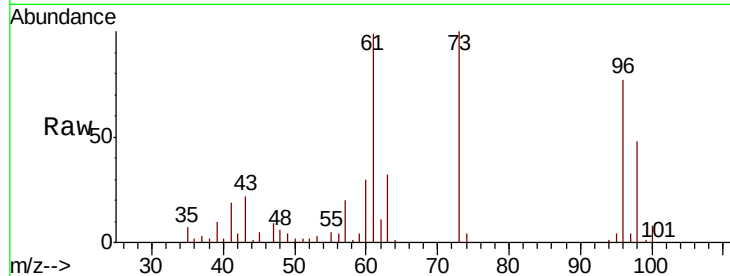
#19
Methyl tert-butyl Ether
Concen: 133.963 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 140230
Ion Ratio Lower Upper
73 100
57 19.7 14.7 22.1

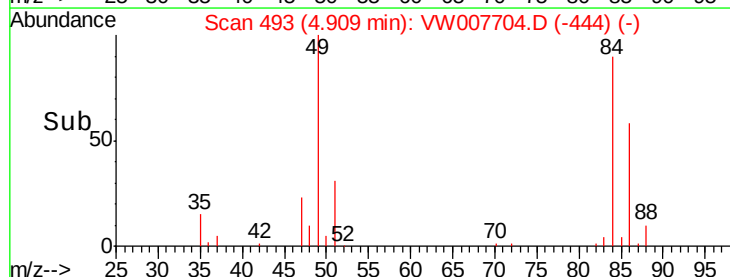
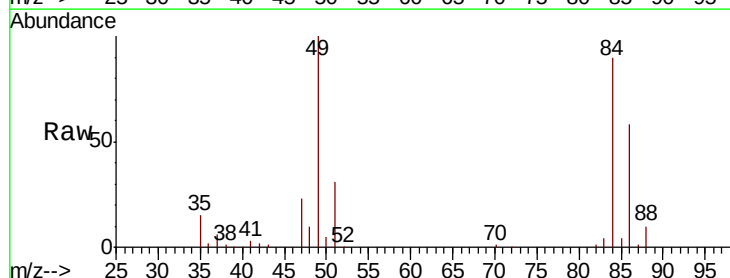
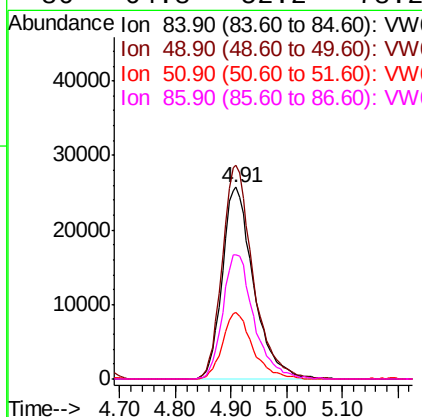
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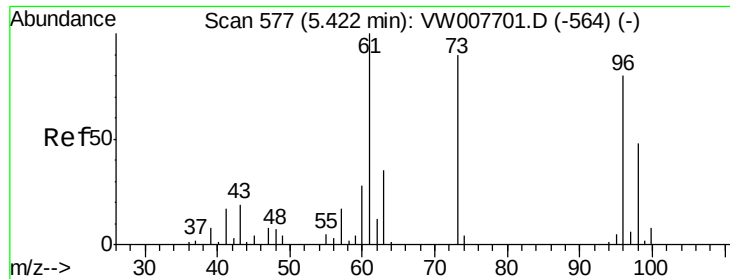
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#20
Methylene Chloride
Concen: 109.699 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 84 Resp: 100288
Ion Ratio Lower Upper
84 100
49 111.4 83.7 125.5
51 34.6 28.2 42.2
86 64.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 136.967 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

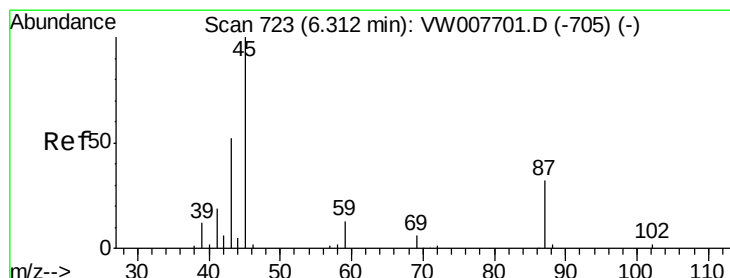
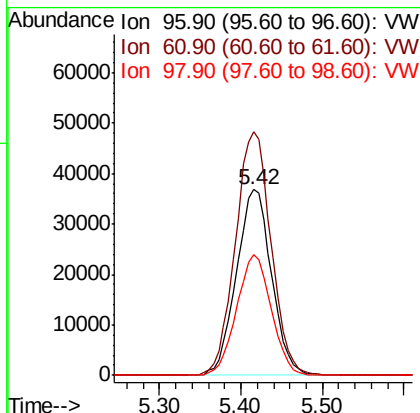
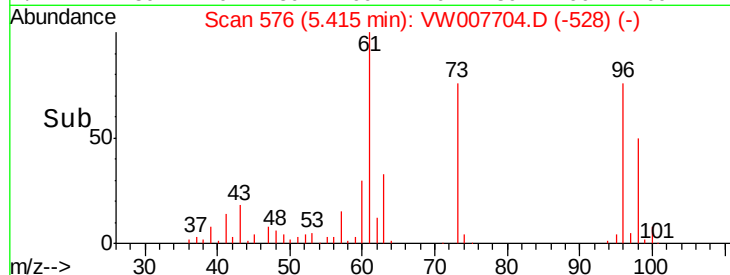
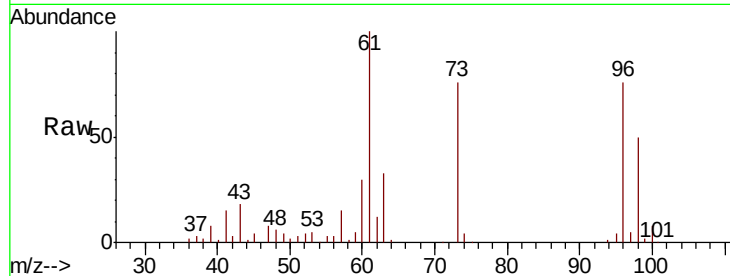
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	109836
Ion	Ratio	Lower	Upper
96	100		
61	131.0	100.1	150.1
98	65.2	48.5	72.7

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#22

Diisopropyl ether

Concen: 139.045 ug/l

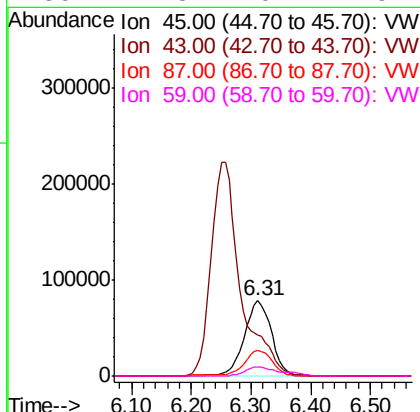
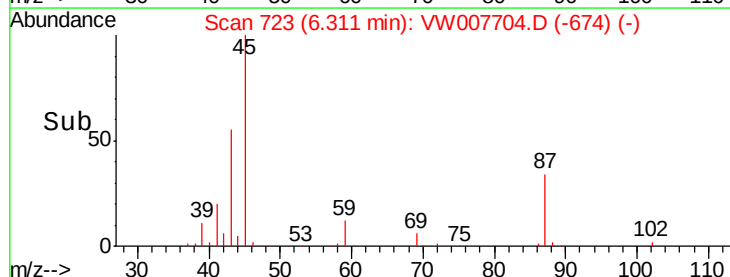
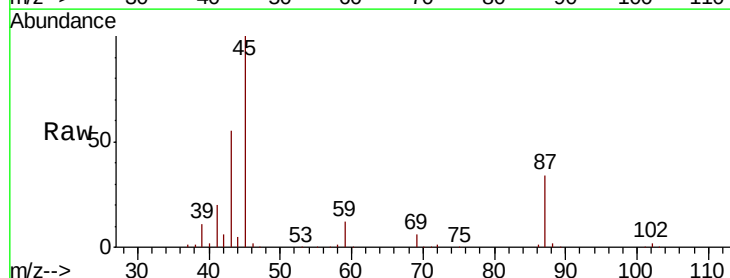
RT: 6.31 min Scan# 723

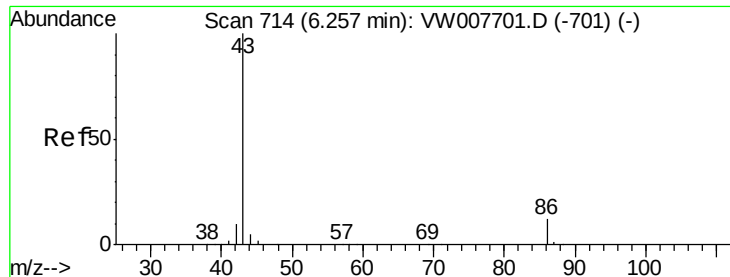
Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion:	45	Resp:	248945
Ion	Ratio	Lower	Upper
45	100		
43	54.4	43.7	65.5
87	33.6	26.6	40.0
59	11.8	10.2	15.2





#23

Vinyl Acetate

Concen: 715.206 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 760784

Ion Ratio Lower Upper

43 100

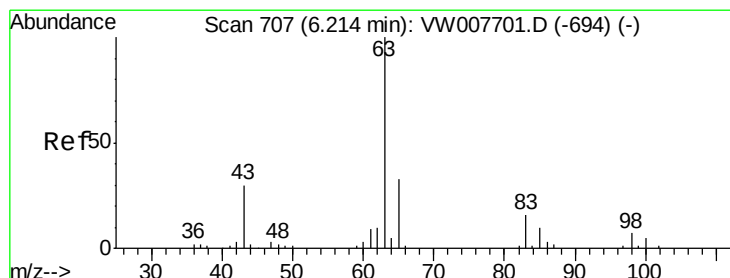
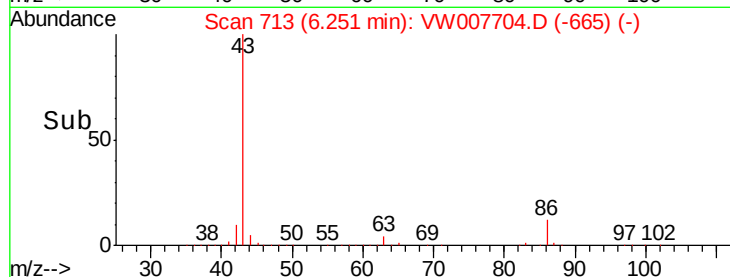
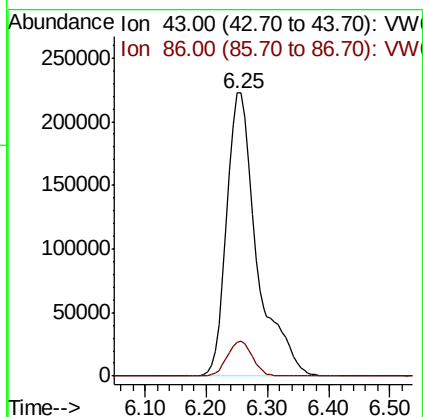
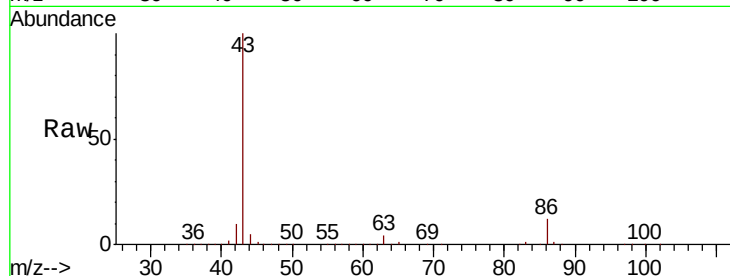
86 12.0 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 136.624 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

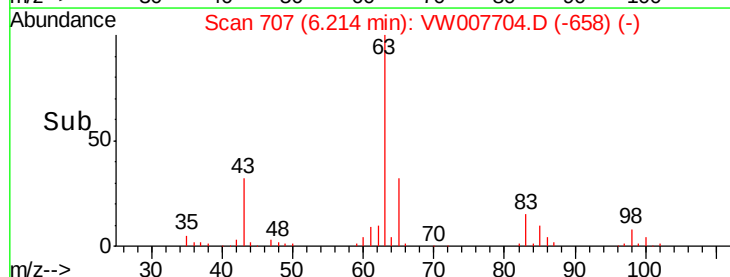
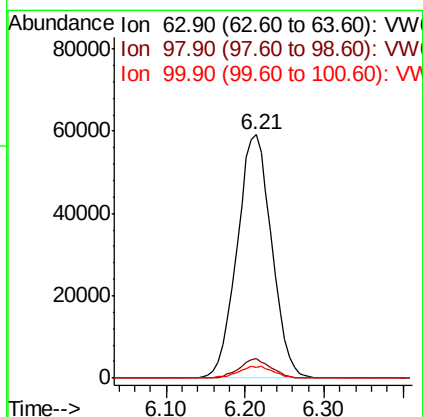
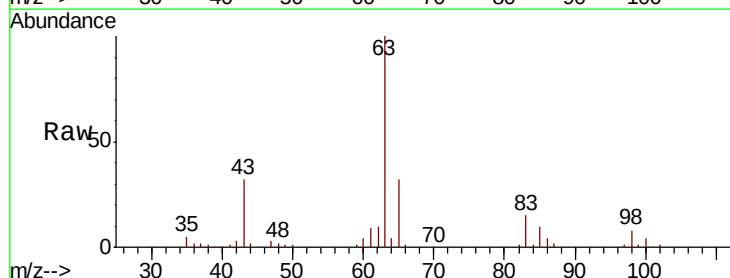
Tgt Ion: 63 Resp: 179950

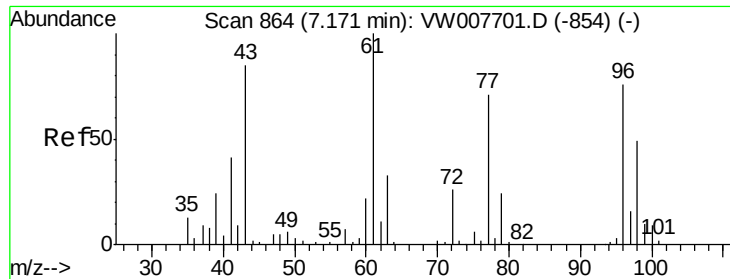
Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.9

100 4.3 2.5 7.5





#25

2-Butanone

Concen: 670.946 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 119203

Ion Ratio Lower Upper

43 100

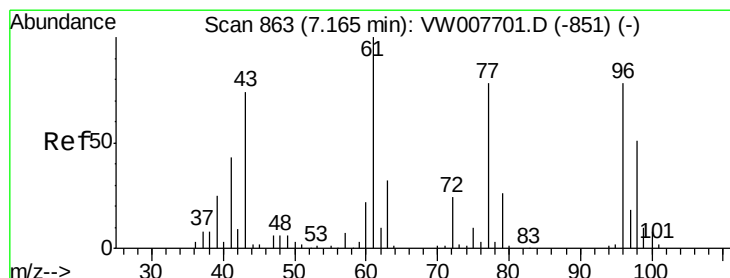
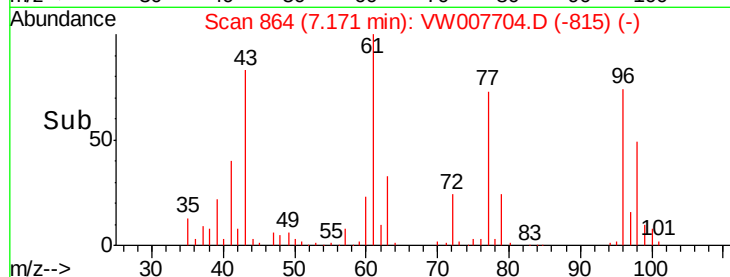
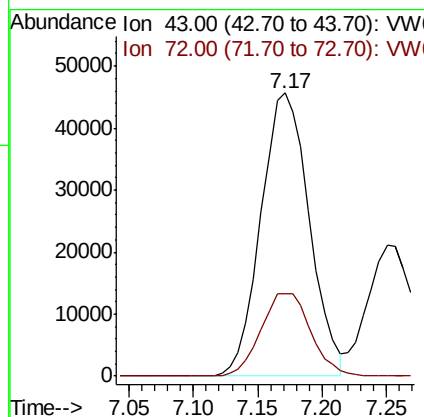
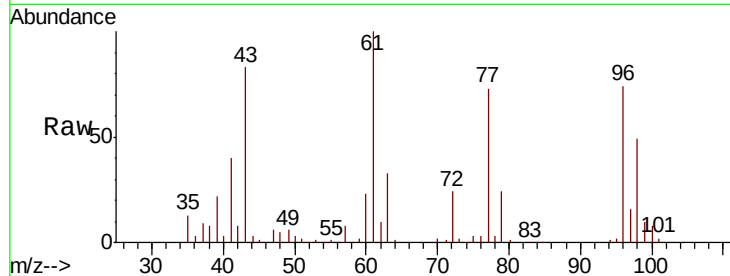
72 29.3 24.5 36.7

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#26

2,2-Dichloropropane

Concen: 129.930 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007704.D

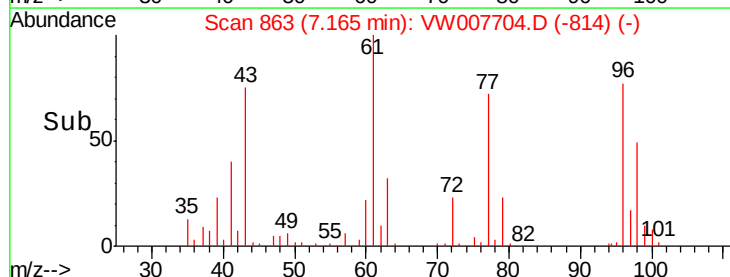
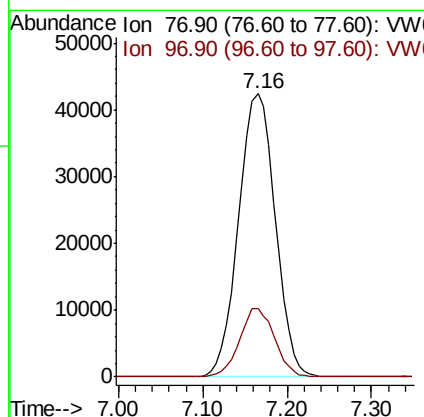
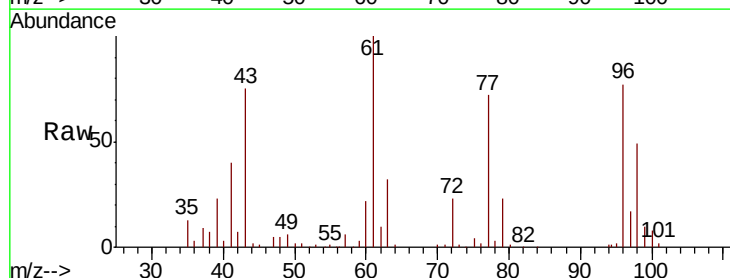
Acq: 19 Dec 2018 16:11

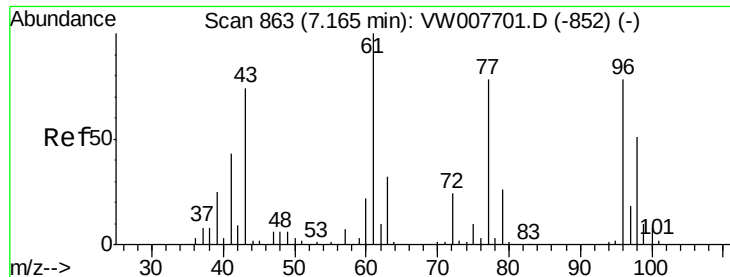
Tgt Ion: 77 Resp: 125229

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9





#27

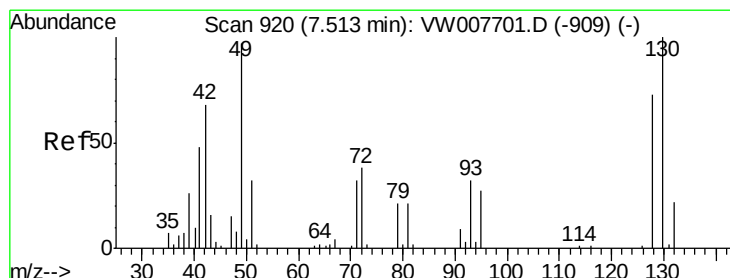
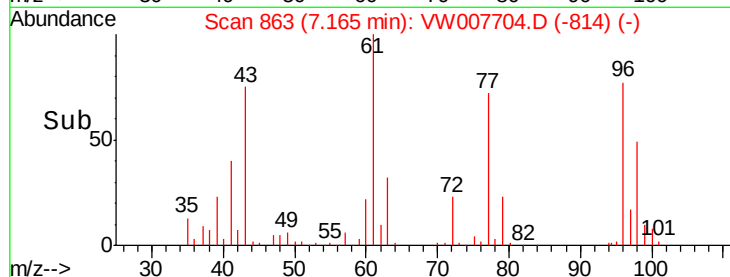
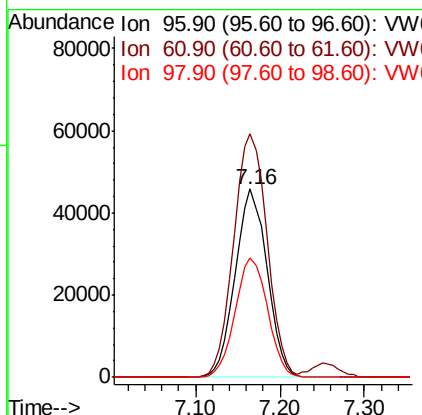
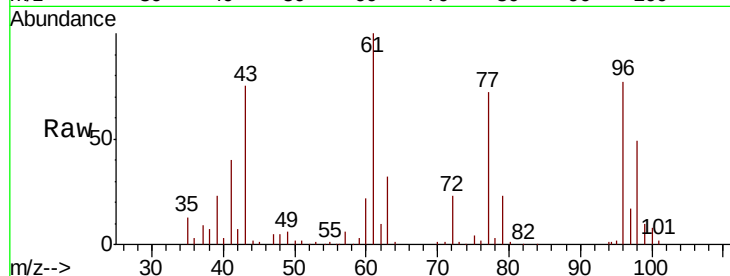
cis-1,2-Dichloroethene
 Concen: 137.870 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	271.6
98	64.4	0.0	131.2

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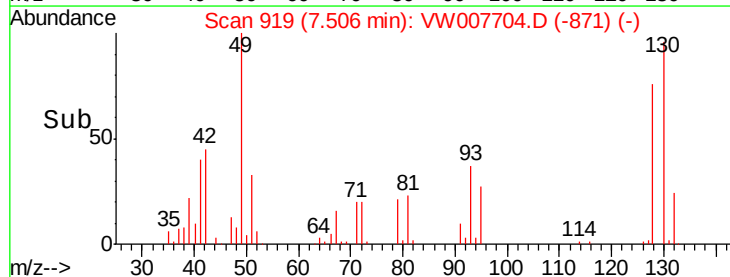
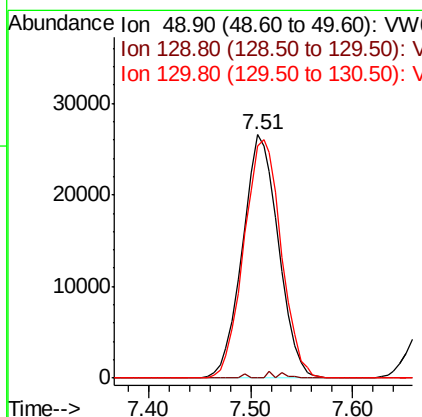
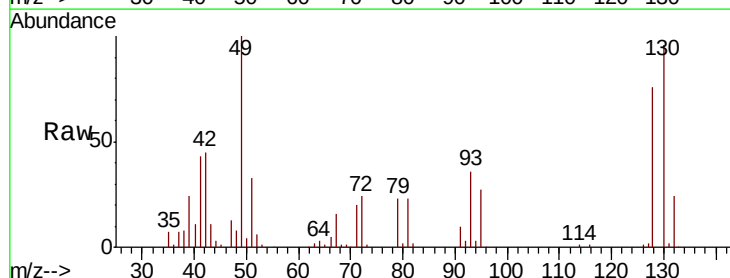
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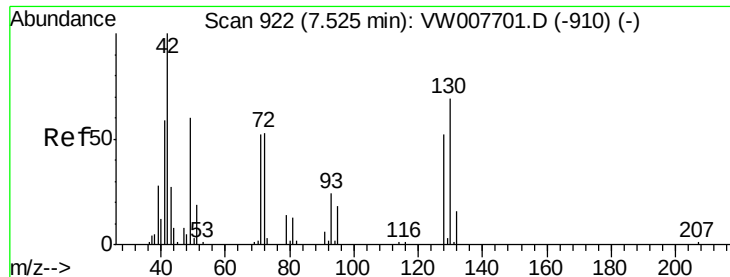


#28

Bromochloromethane
 Concen: 145.351 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.2
130	101.6	81.5	122.3





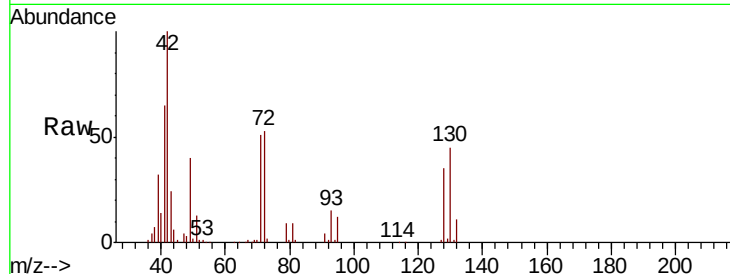
#29
Tetrahydrofuran
Concen: 707.665 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.6	41.7	62.5
71	50.1	39.0	58.6

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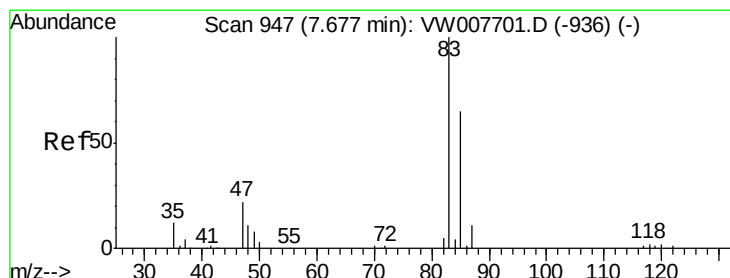
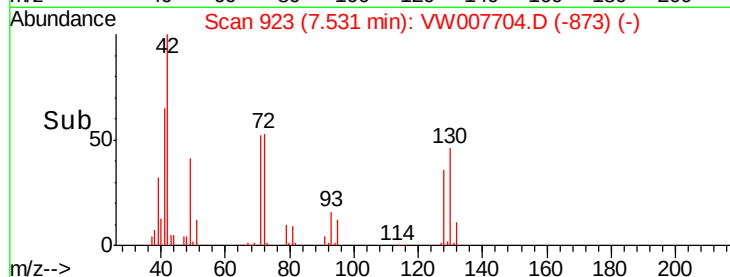
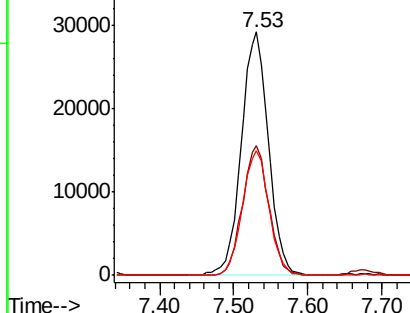


Abundance

Ion 42.00 (41.70 to 42.70): VW

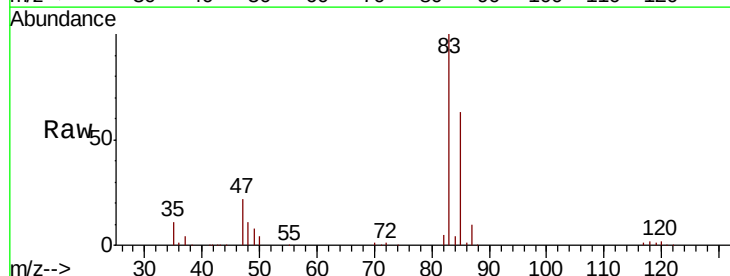
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30
Chloroform
Concen: 137.509 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

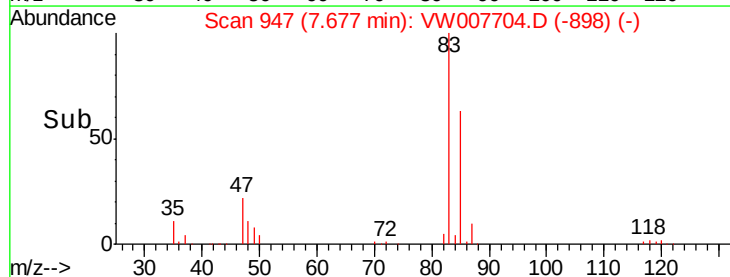
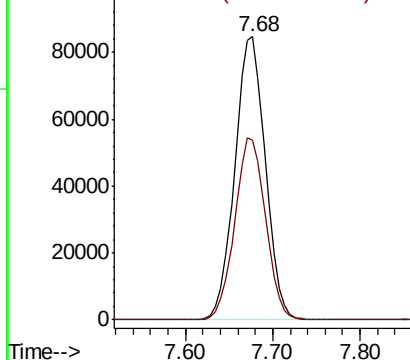
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.2

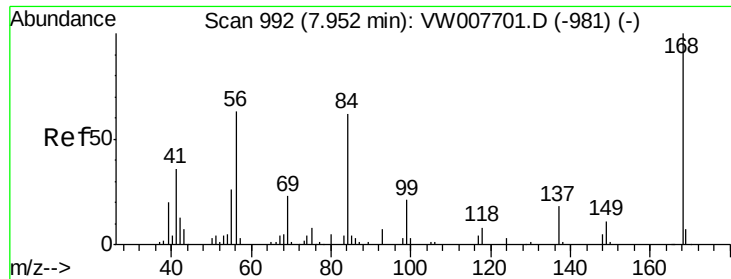


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





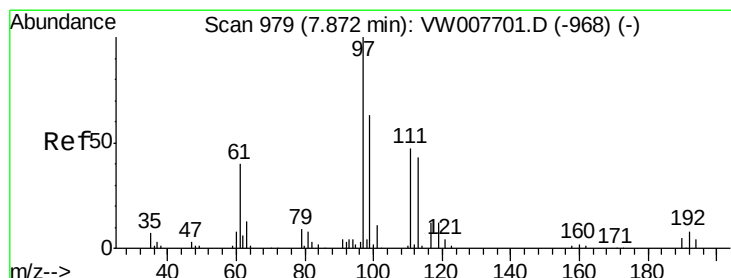
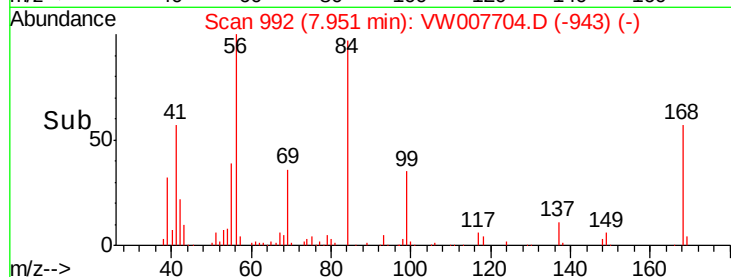
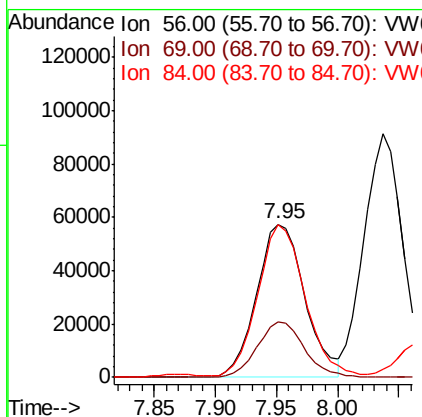
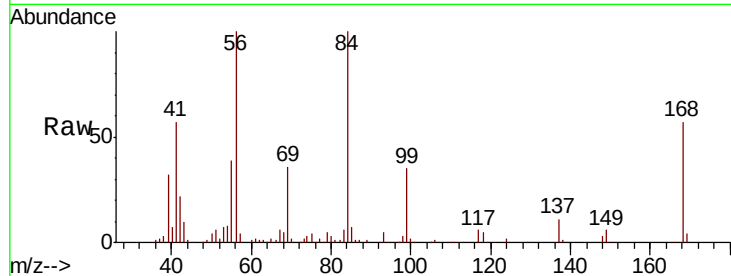
#31
Cyclohexane
Concen: 130.330 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	29.7	44.5
84	98.0	78.9	118.3

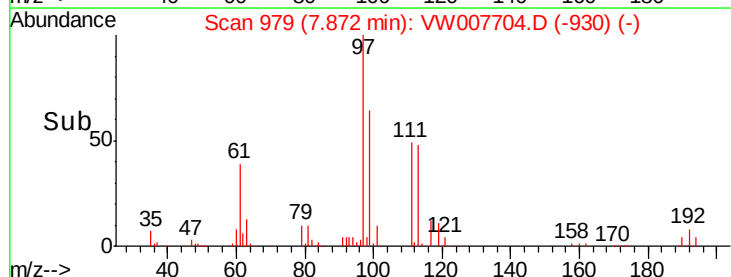
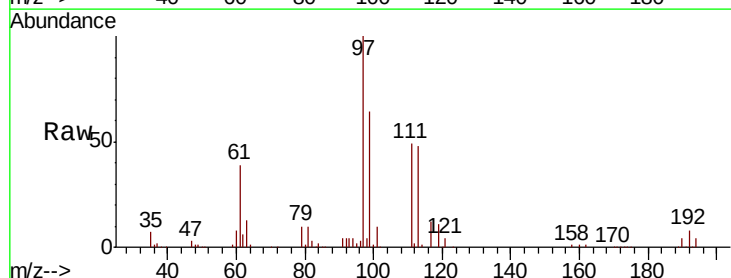
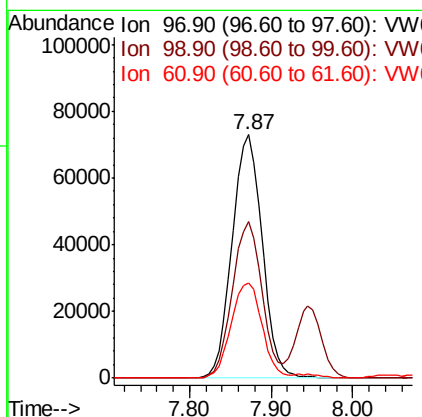
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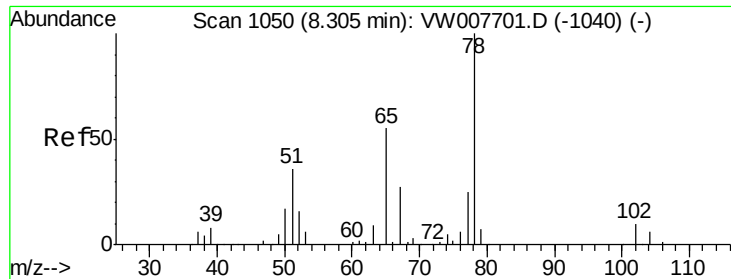
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#32
1,1,1-Trichloroethane
Concen: 137.347 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	40.3	32.3	48.5





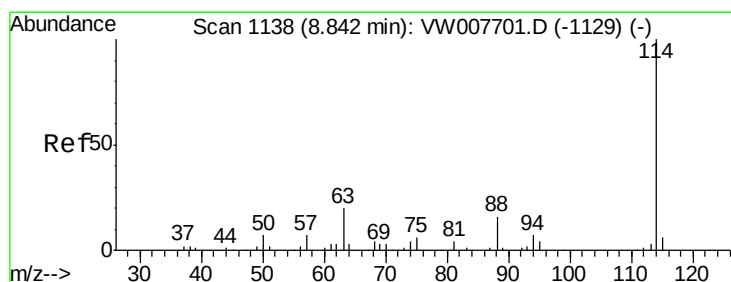
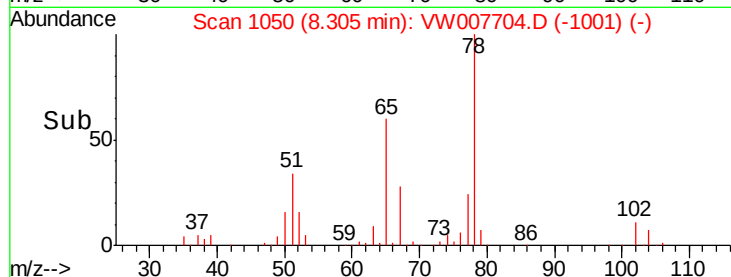
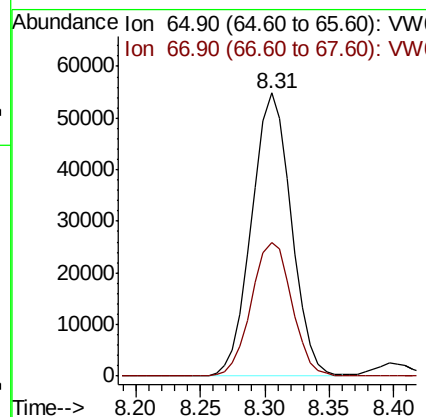
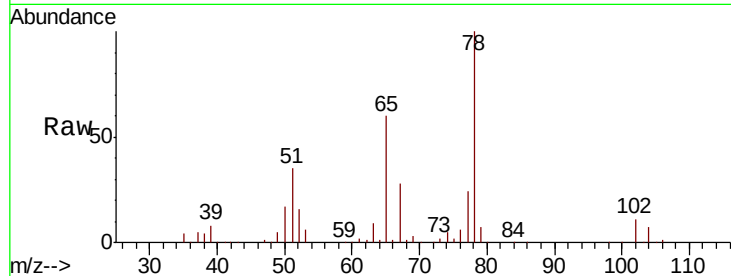
#33
 1,2-Dichloroethane-d4
 Concen: 144.172 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	116781		
67	48.5	0.0	100.6	

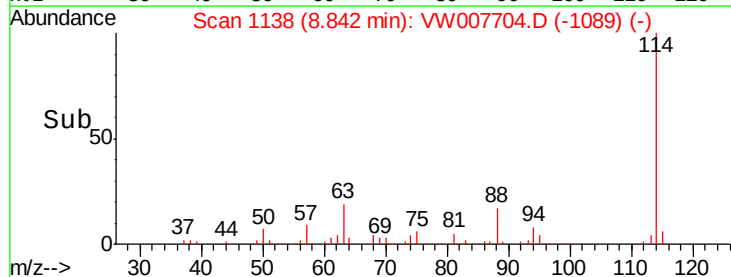
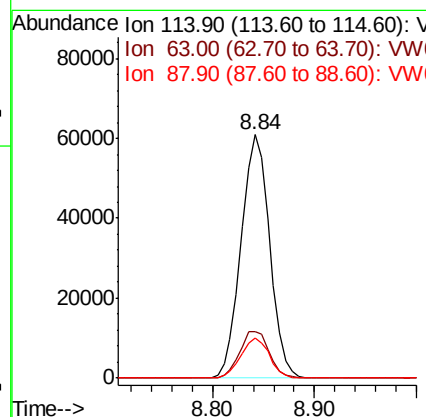
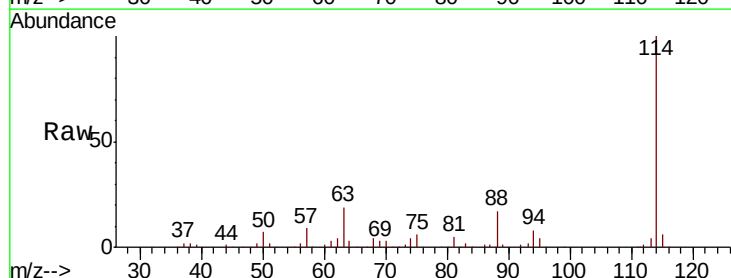
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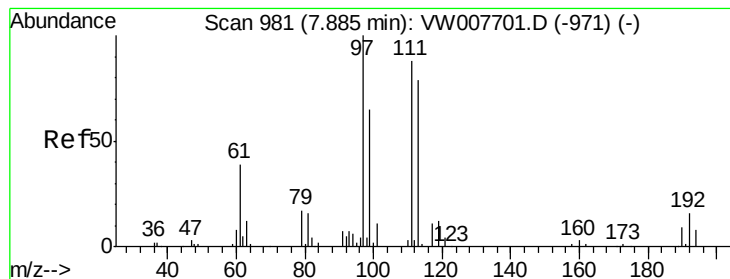
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	118410		
63	19.1	0.0	40.0	
88	16.5	0.0	32.6	





#35

Dibromofluoromethane

Concen: 146.115 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

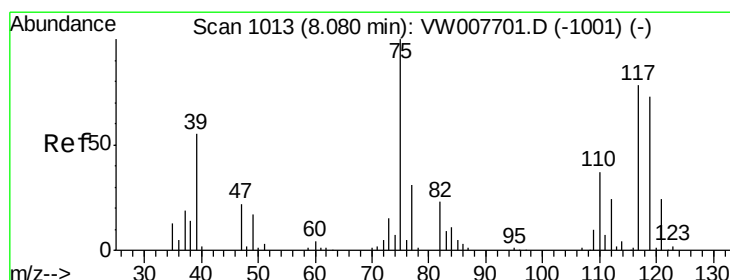
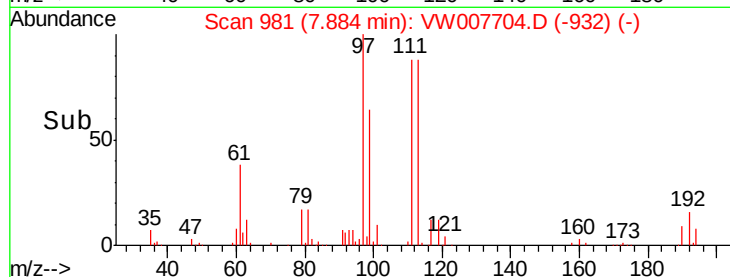
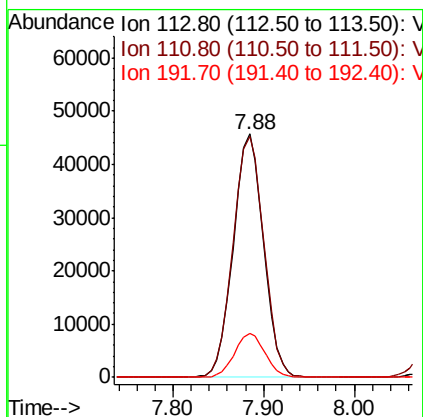
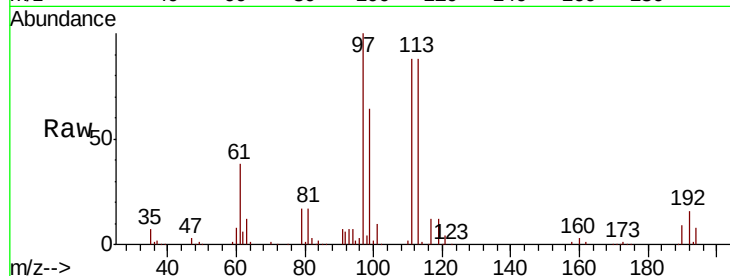
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	105548
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.6	124.0
192	18.1	15.5	23.3

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#36

1,1-Dichloropropene

Concen: 136.528 ug/l

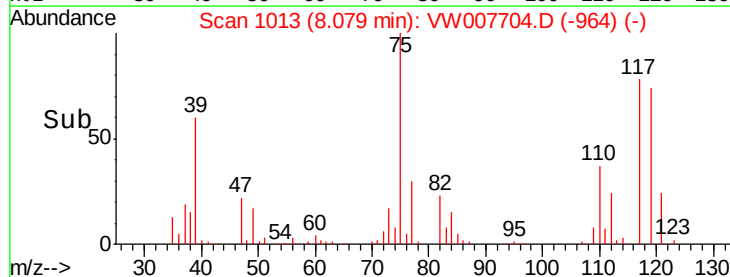
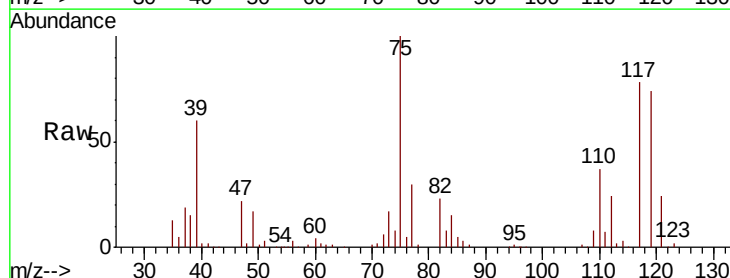
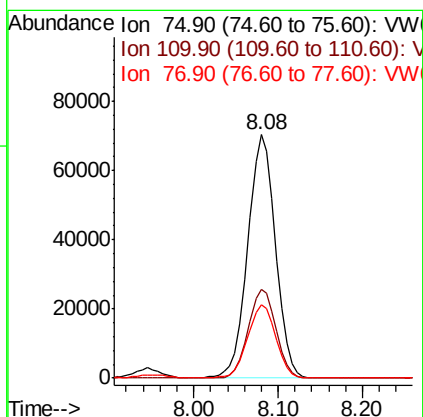
RT: 8.08 min Scan# 1013

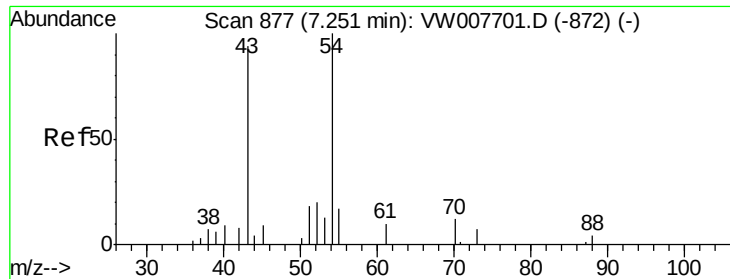
Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion:	75	Resp:	156033
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.6	55.8
77	30.8	25.0	37.4





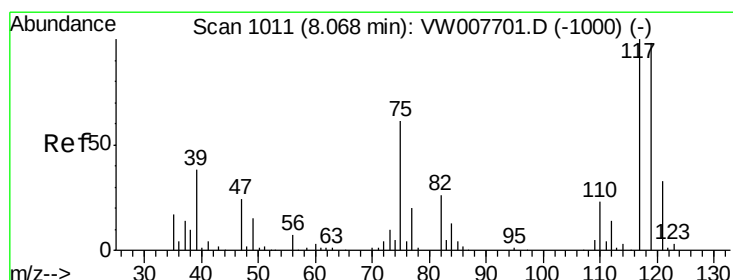
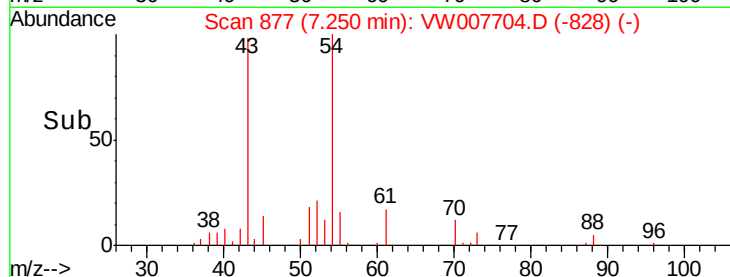
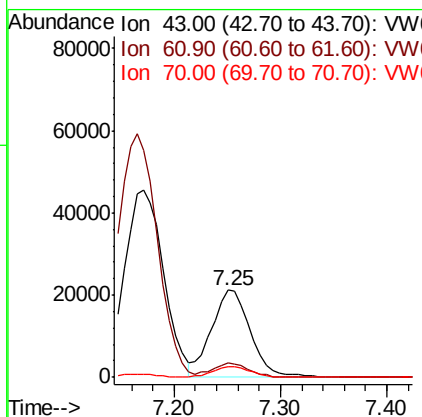
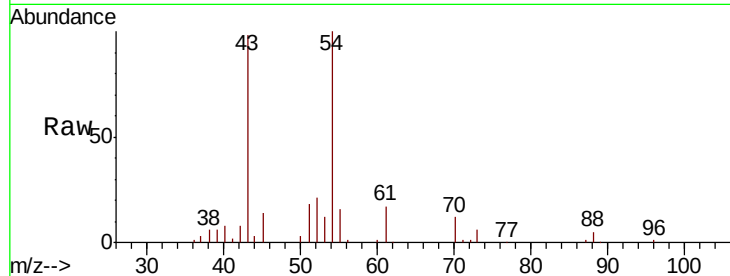
#37
Ethyl Acetate
Concen: 136.973 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.2	16.8
70	12.0	9.3	13.9

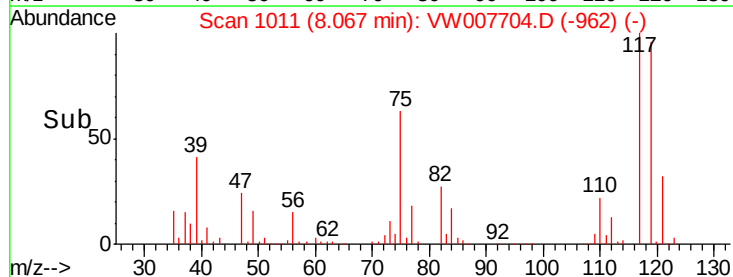
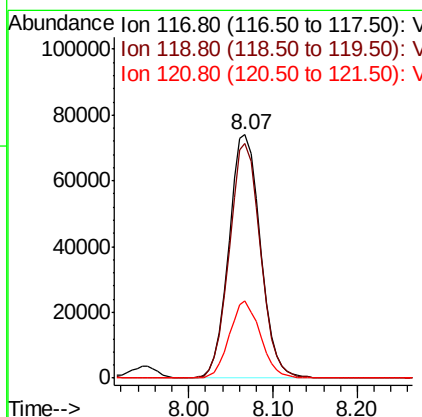
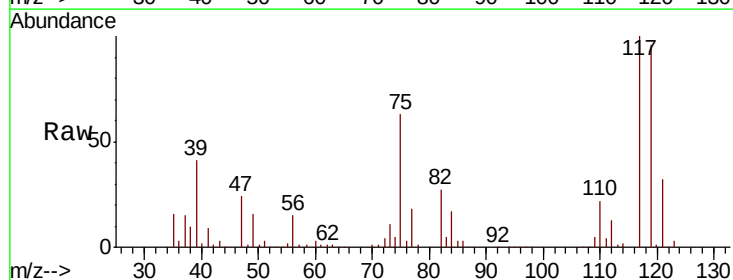
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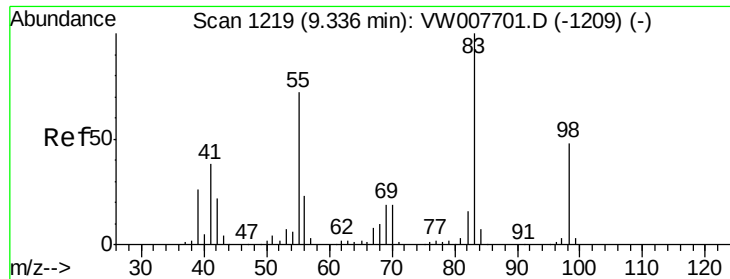
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#38
Carbon Tetrachloride
Concen: 139.032 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.2	117.2
121	31.7	26.1	39.1





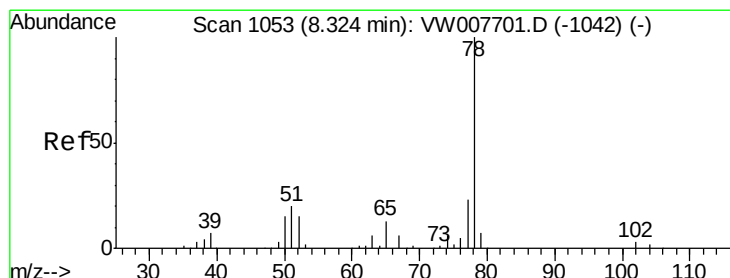
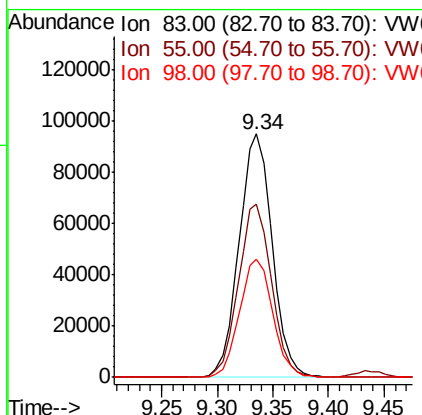
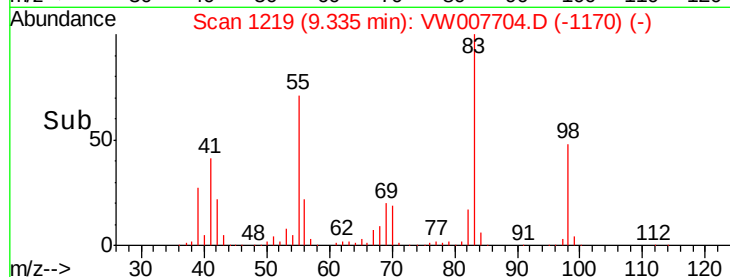
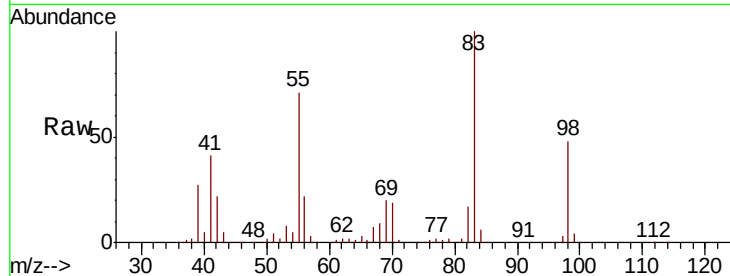
#39
Methylvlcyclohexane
Concen: 138.201 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	196264
Ion Ratio	100	Lower	Upper
83	100		
55	71.4	57.2	85.8
98	48.4	38.6	58.0

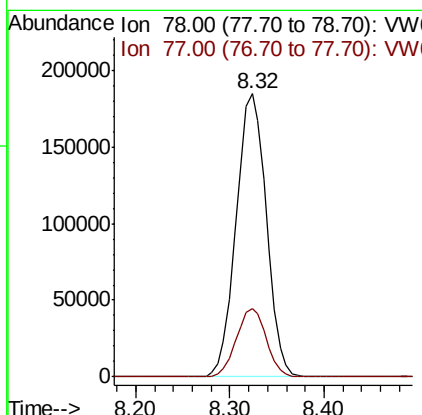
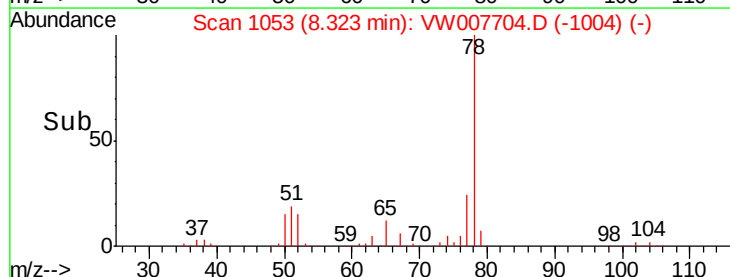
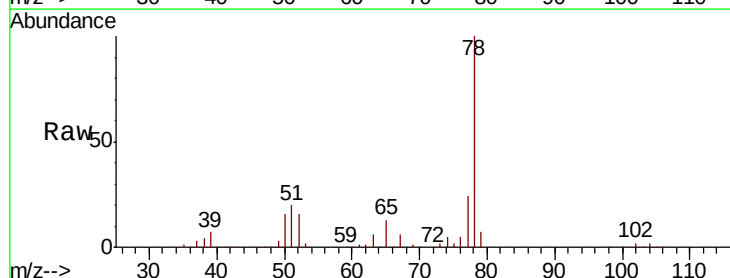
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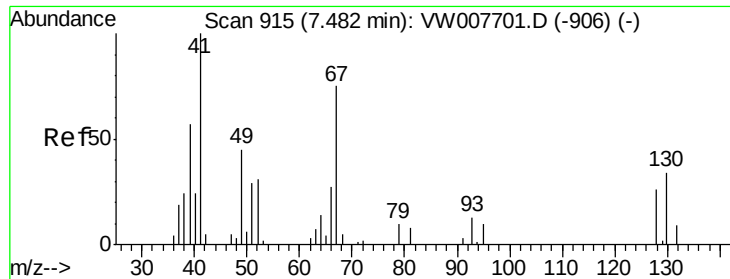
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#40
Benzene
Concen: 135.504 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion	78	Resp	413250
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.7	28.1





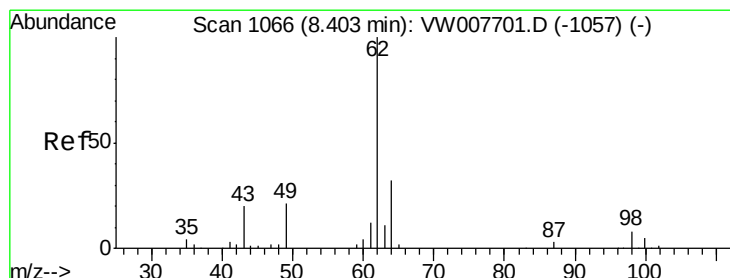
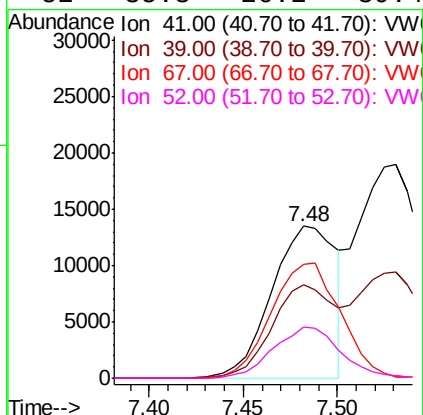
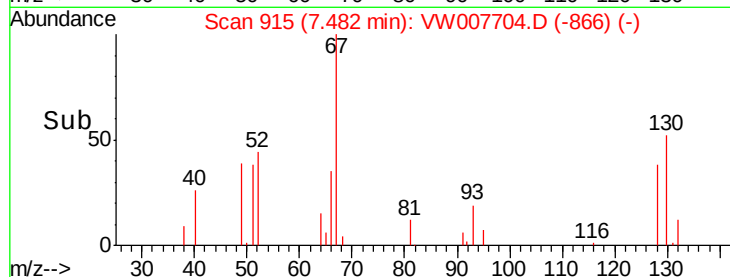
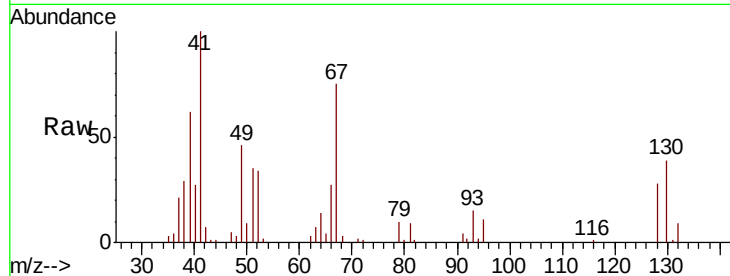
#41
Methacrylonitrile
Concen: 142.382 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	31884
Ion	Ratio	Lower	Upper
41	100		
39	59.3	54.2	81.4
67	81.9	65.7	98.5
52	35.3	26.2	39.4

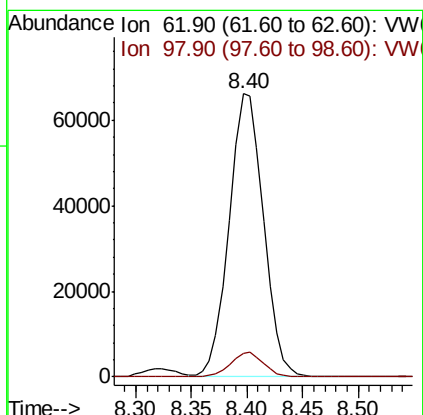
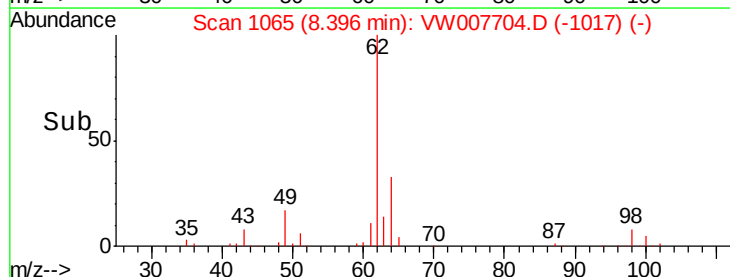
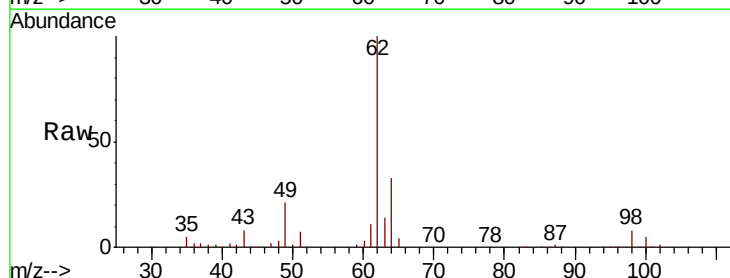
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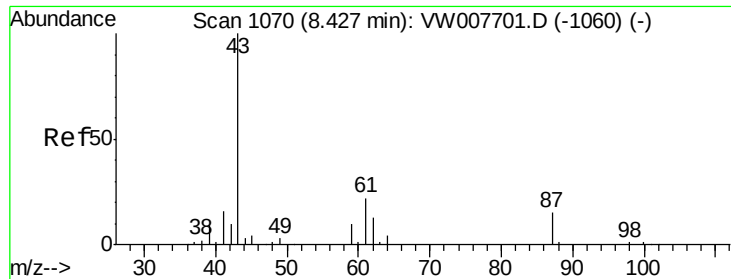
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#42
1,2-Dichloroethane
Concen: 138.542 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion:	62	Resp:	141594
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 140.235 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

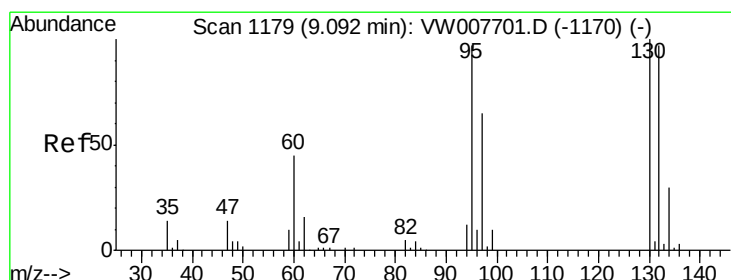
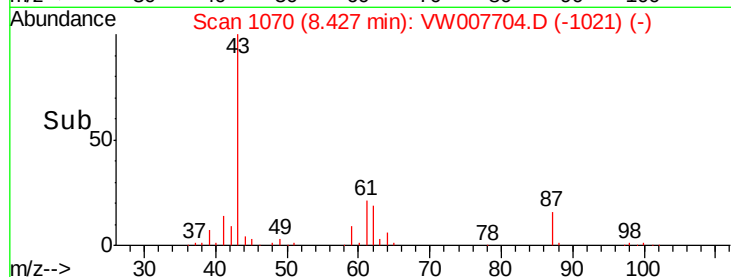
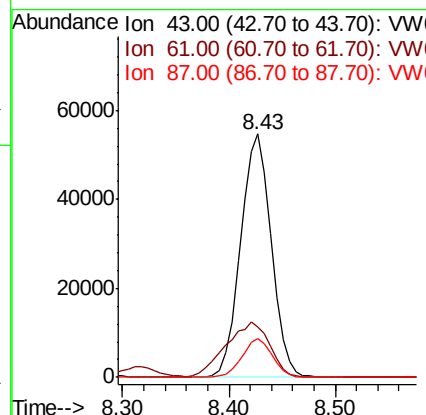
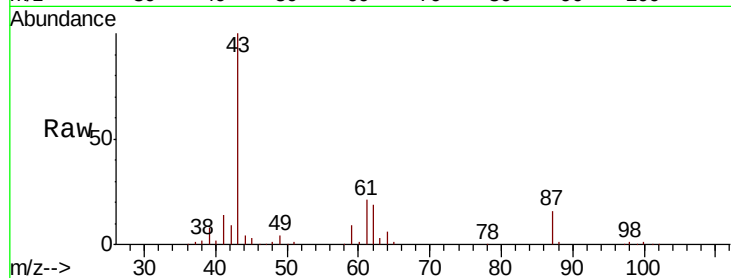
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	110814
Ion	Ratio	Lower	Upper
43	100		
61	32.2	26.3	39.5
87	15.7	12.0	18.0

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#44

Trichloroethene

Concen: 136.228 ug/l

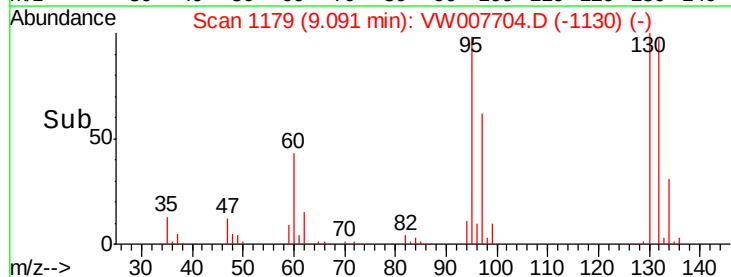
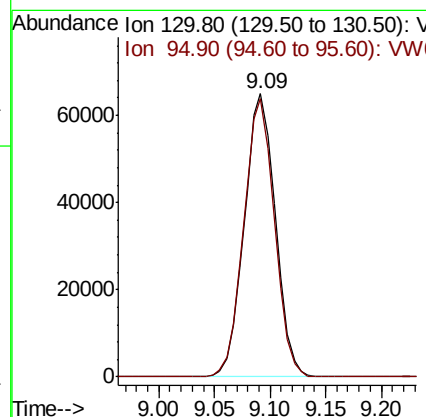
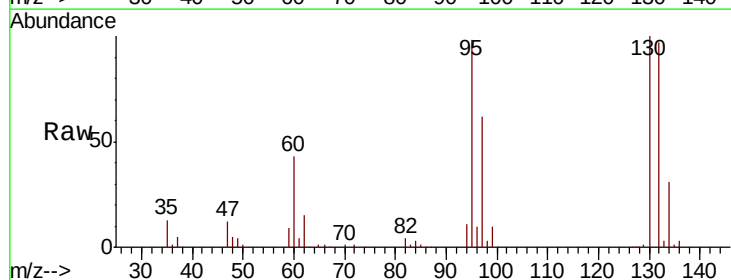
RT: 9.09 min Scan# 1179

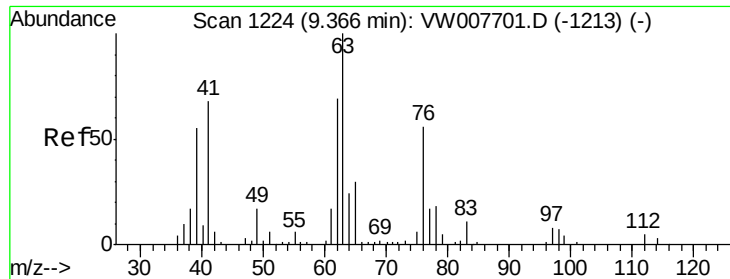
Delta R.T. -0.00 min

Lab File: VW007704.D

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Tgt Ion:	130	Resp:	125641
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	194.8





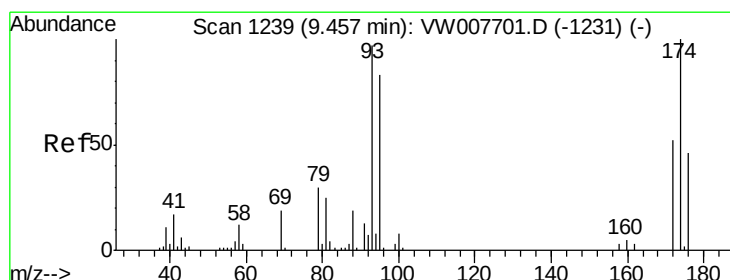
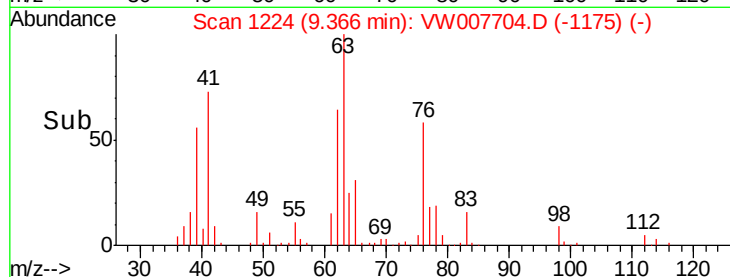
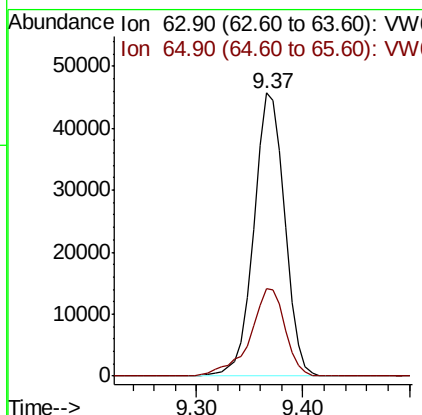
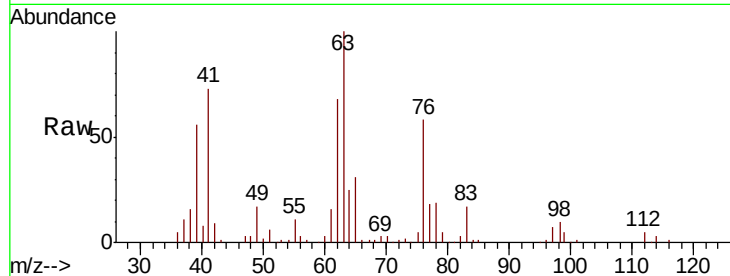
#45
 1,2-Dichloropropane
 Concen: 137.289 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 92904
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.8

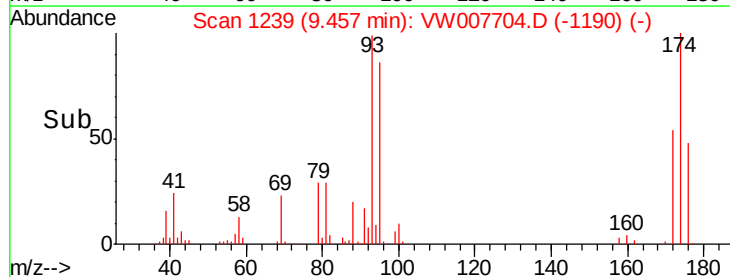
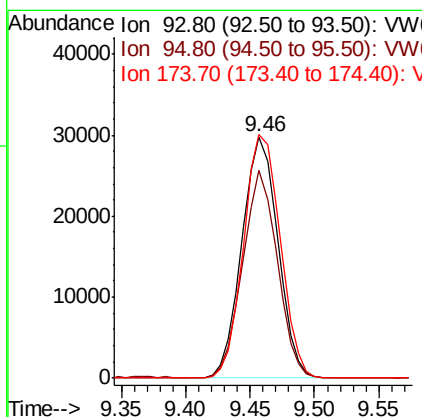
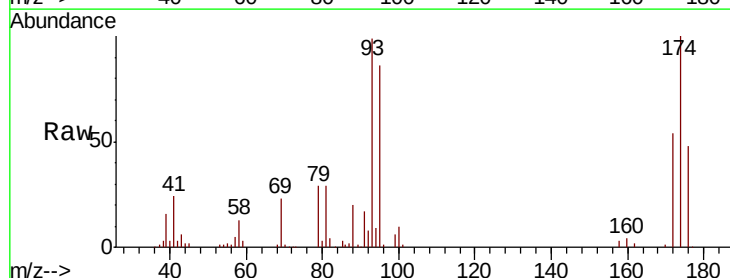
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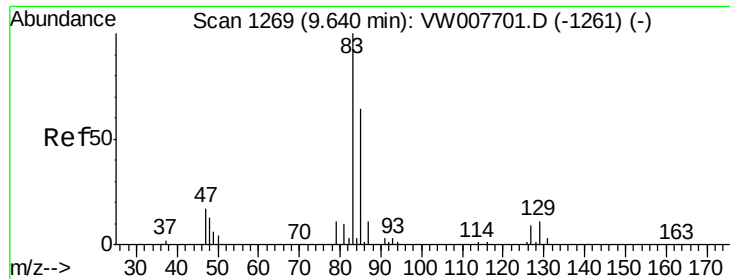
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#46
 Dibromomethane
 Concen: 138.235 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion: 93 Resp: 57583
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.5 101.3
 174 103.1 83.9 125.9





#47

Bromodichloromethane

Concen: 139.407 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

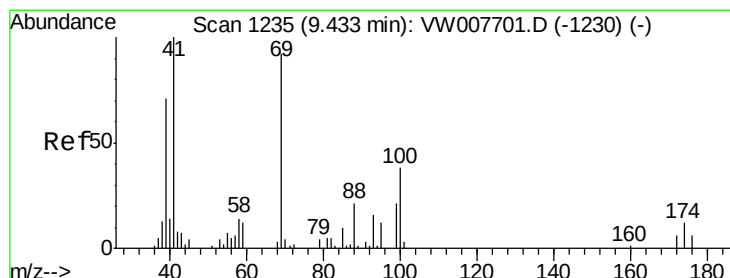
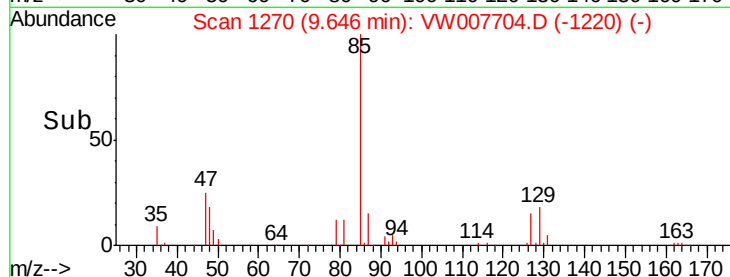
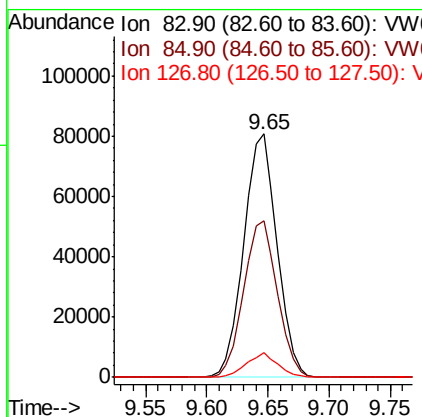
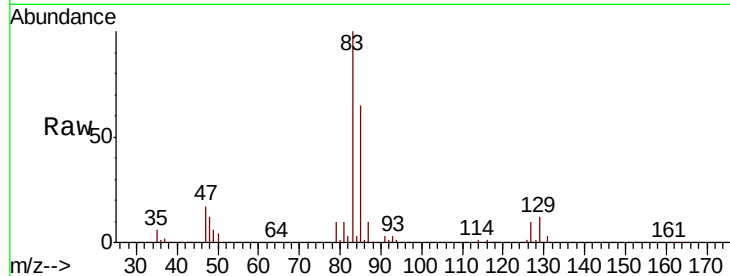
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	152666
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.4	77.0
127	10.0	7.5	11.3

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#48

Methyl methacrylate

Concen: 143.878 ug/l

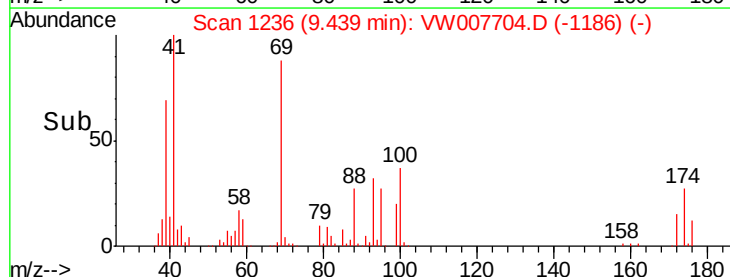
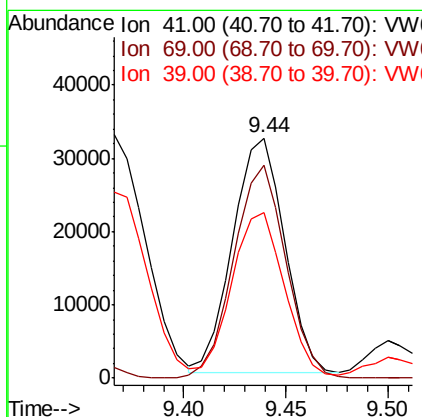
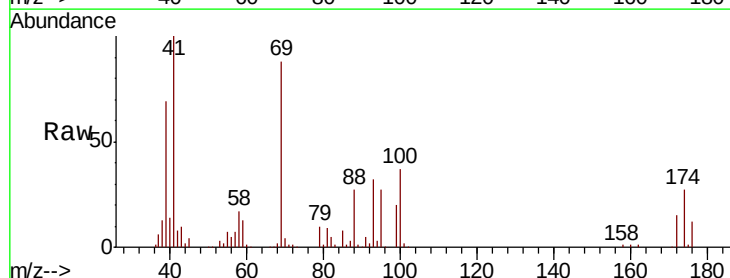
RT: 9.44 min Scan# 1236

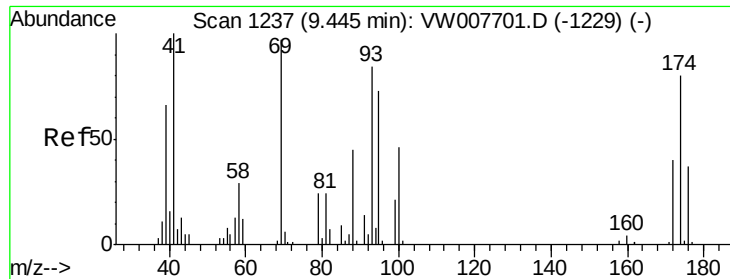
Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion:	41	Resp:	56750
Ion Ratio	Lower	Upper	
41	100		
69	91.4	74.2	111.2
39	72.1	53.9	80.9





#49

1,4-Dioxane

Concen: 2951.675 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 19494

Ion Ratio Lower Upper

88 100

43 35.4 25.6 38.4

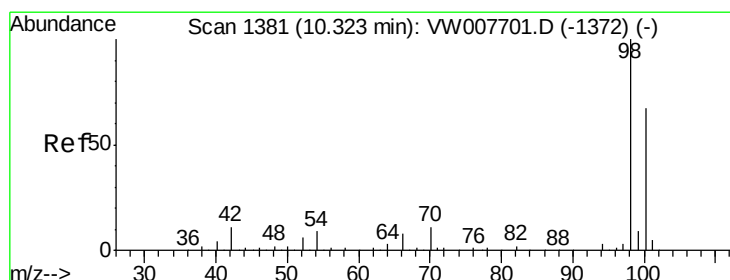
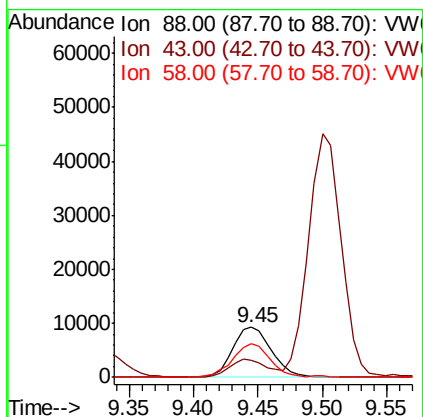
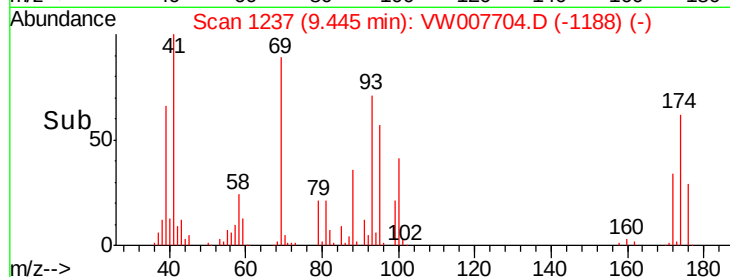
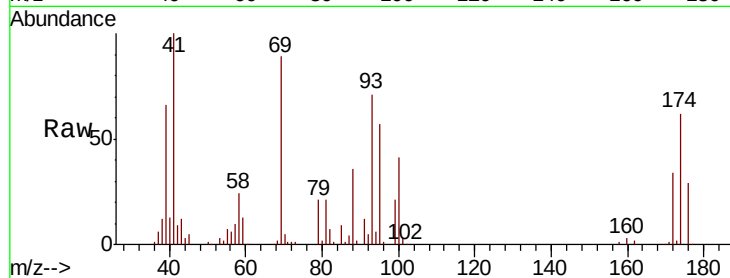
58 65.6 52.3 78.5

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#50

Toluene-d8

Concen: 144.579 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007704.D

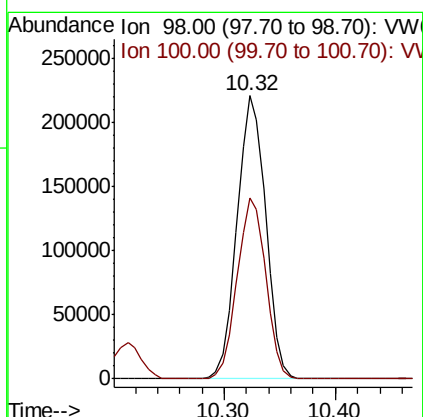
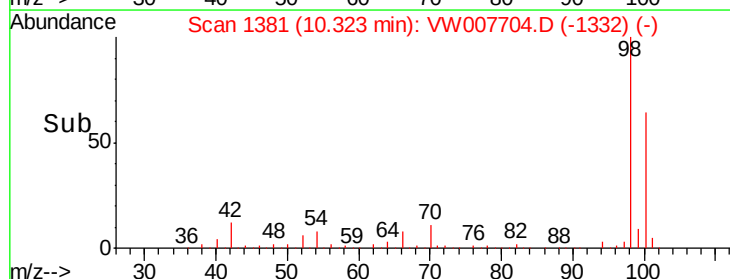
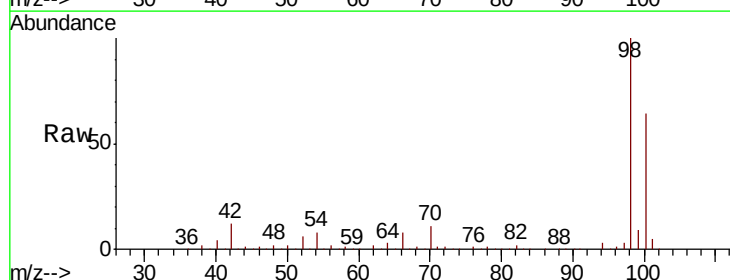
Acq: 19 Dec 2018 16:11

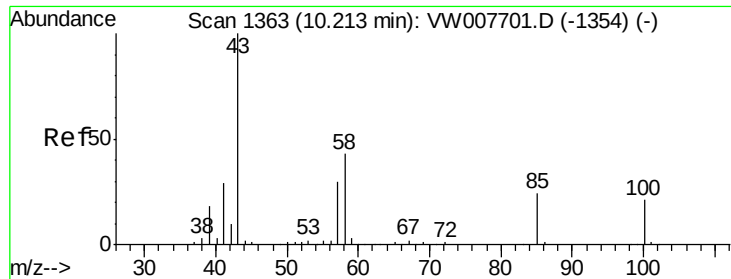
Tgt Ion: 98 Resp: 393717

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 691.819 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 258358

Ion Ratio Lower Upper

43 100

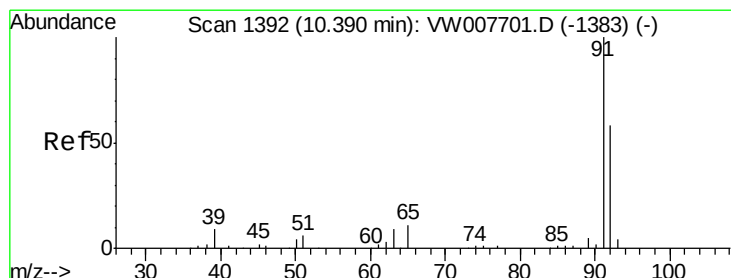
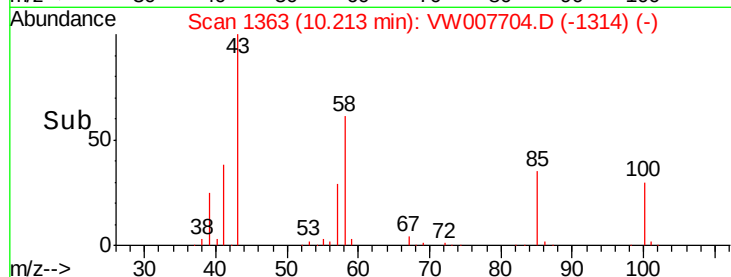
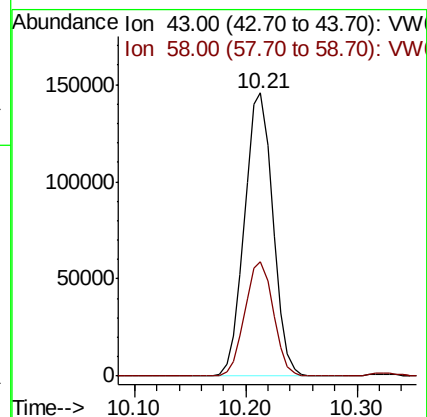
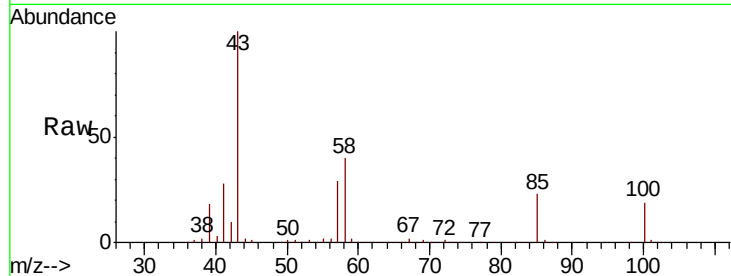
58 40.6 33.2 49.8

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#52

Toluene

Concen: 135.243 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007704.D

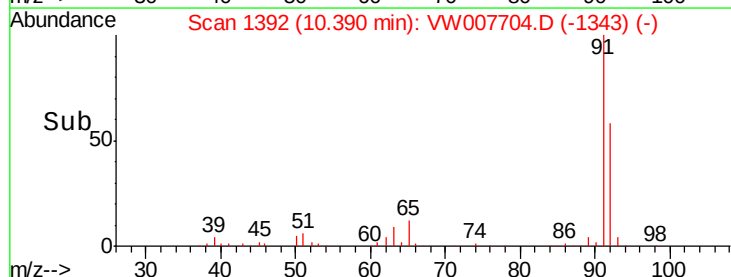
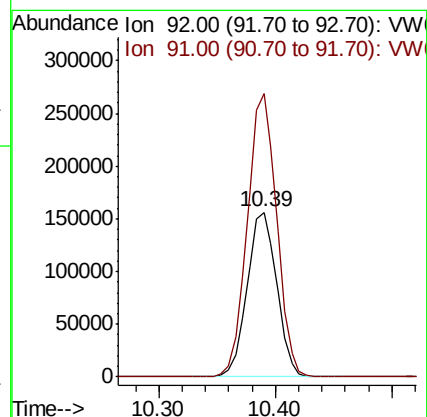
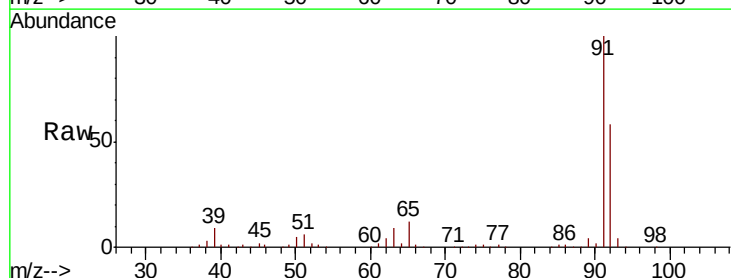
Acq: 19 Dec 2018 16:11

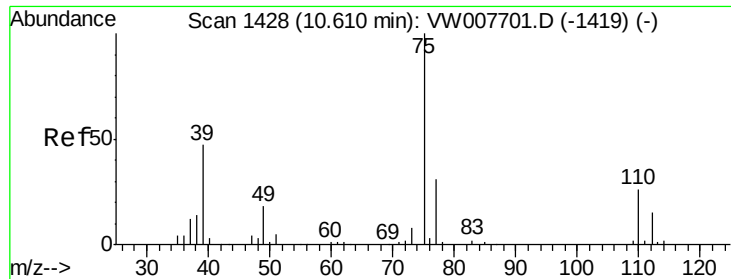
Tgt Ion: 92 Resp: 276728

Ion Ratio Lower Upper

92 100

91 171.0 137.0 205.4





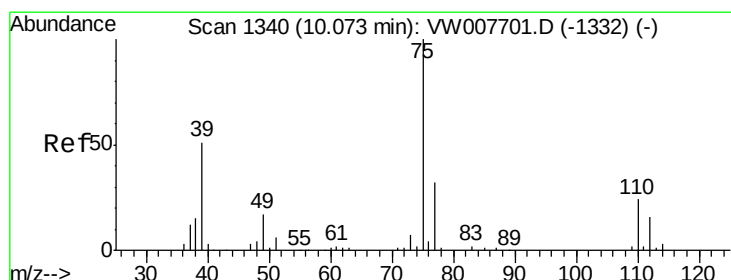
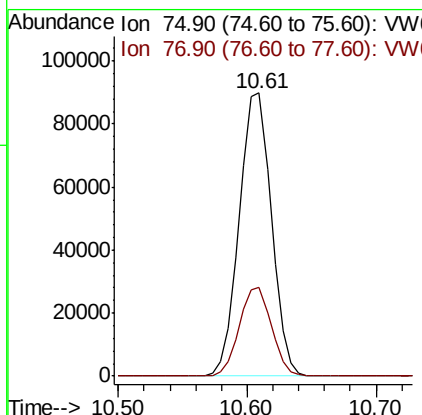
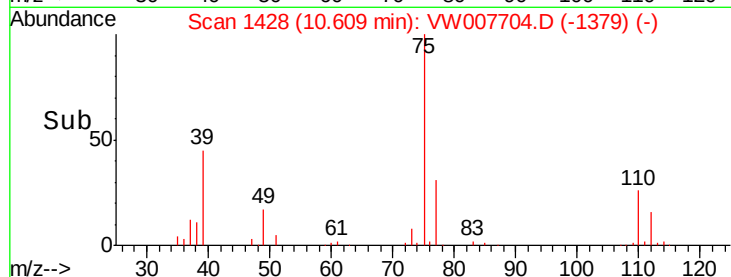
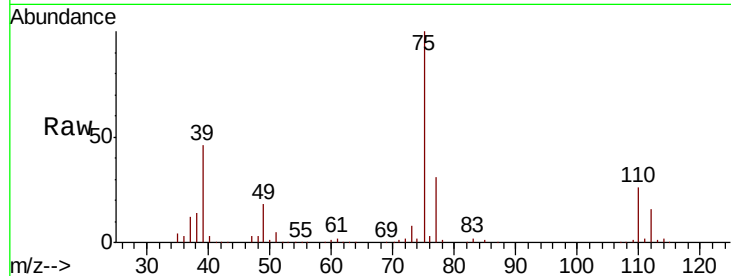
#53
t-1,3-Dichloropropene
Concen: 142.701 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 155439
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8

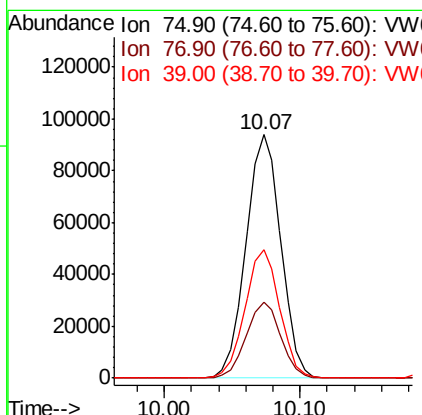
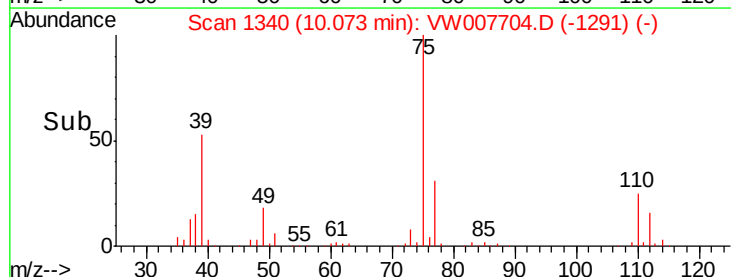
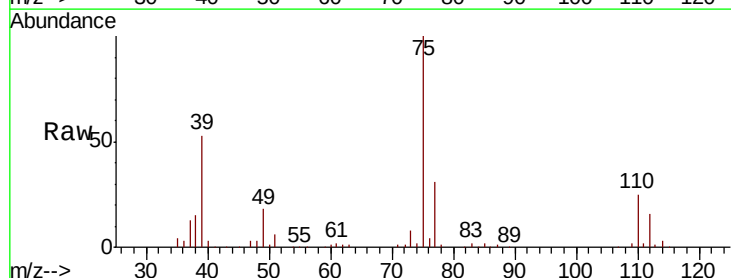
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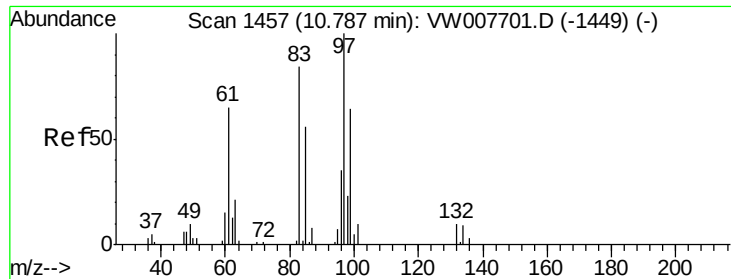
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#54
cis-1,3-Dichloropropene
Concen: 140.199 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 75 Resp: 168683
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3
39 52.9 41.2 61.8





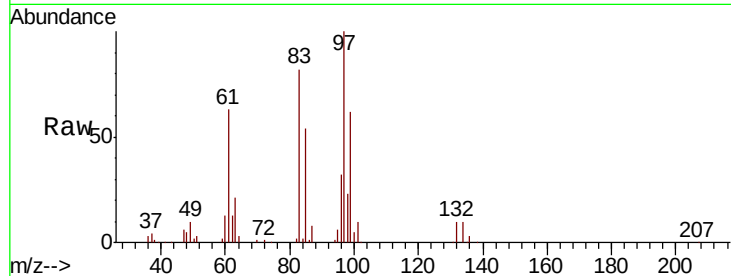
#55
 1,1,2-Trichloroethane
 Concen: 136.062 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

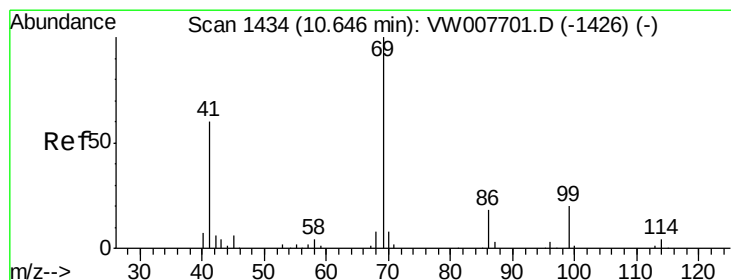
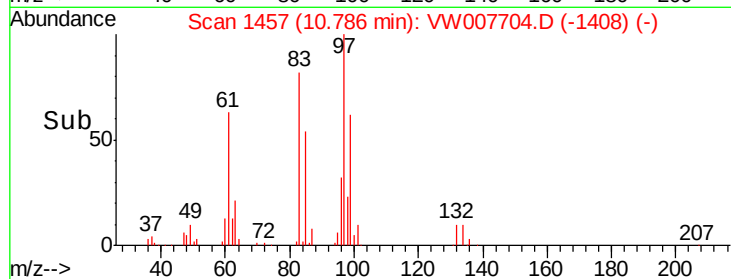
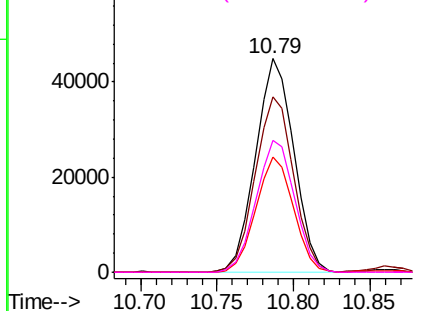
Tot Ion:	97	Resp:	78136
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.5	101.3
85	54.2	44.8	67.2
99	61.8	51.0	76.4

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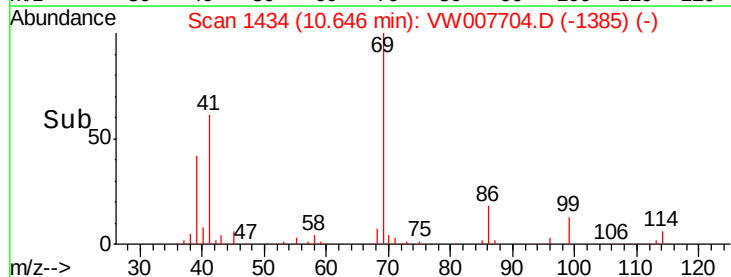
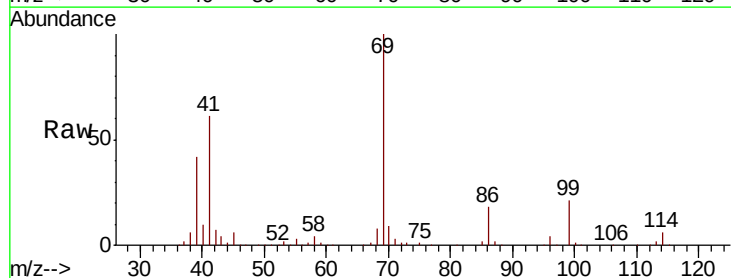
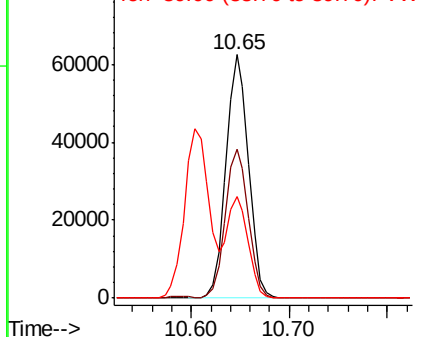
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

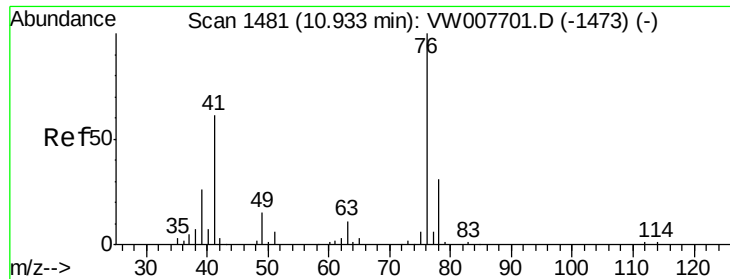


#56
 Ethyl methacrylate
 Concen: 146.156 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion:	69	Resp:	99167
Ion	Ratio	Lower	Upper
69	100		
41	62.2	48.9	73.3
39	39.5	31.3	46.9

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





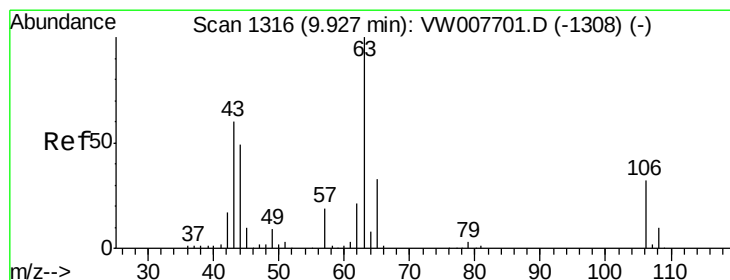
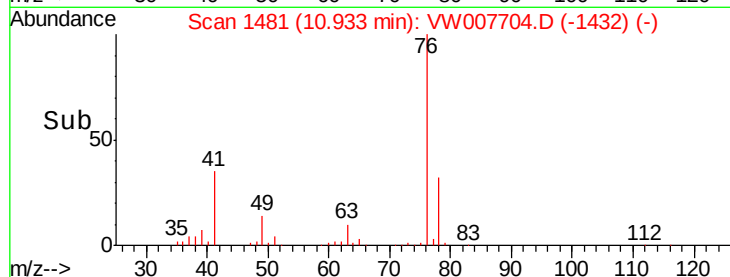
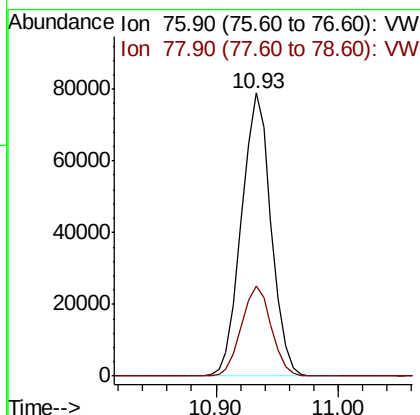
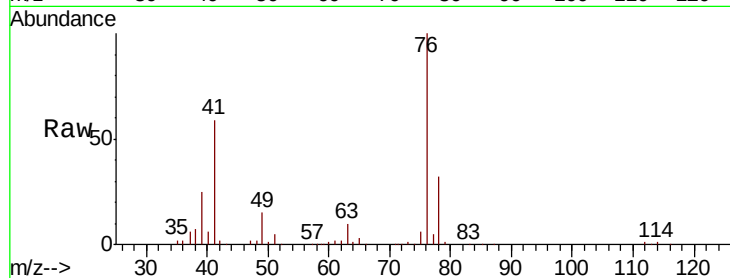
#57
 1,3-Dichloropropane
 Concen: 138.463 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.2

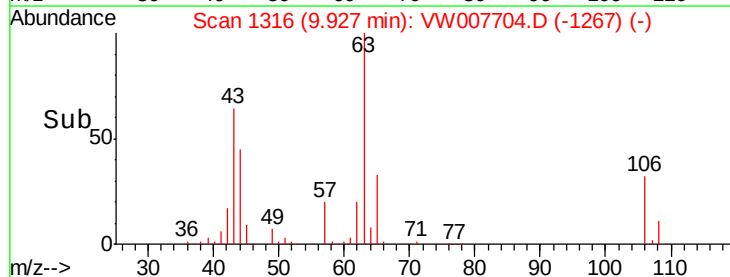
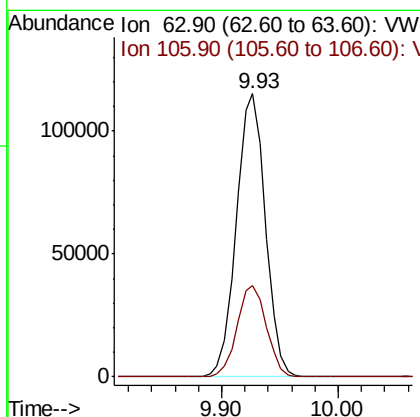
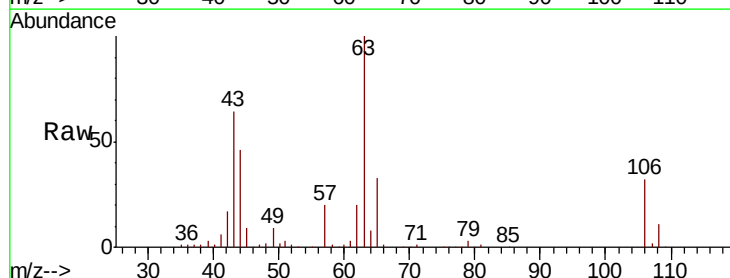
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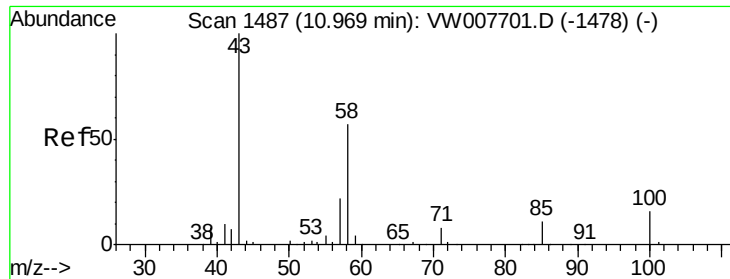
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#58
 2-Chloroethyl Vinyl ether
 Concen: 645.324 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.5	25.9	38.9





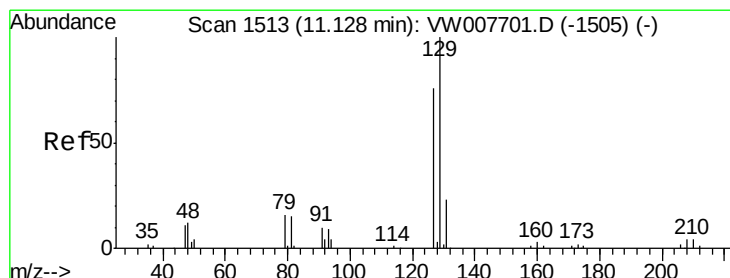
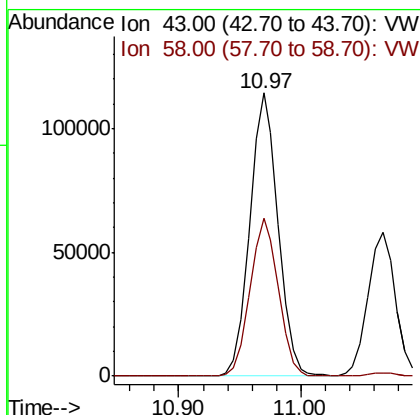
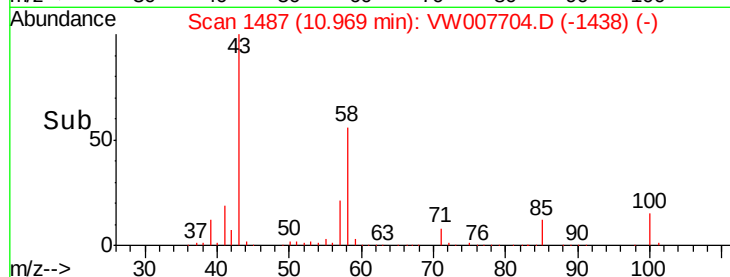
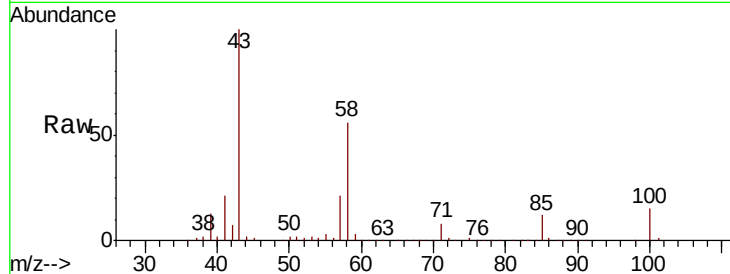
#59
2-Hexanone
Concen: 700.487 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 183972
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.1

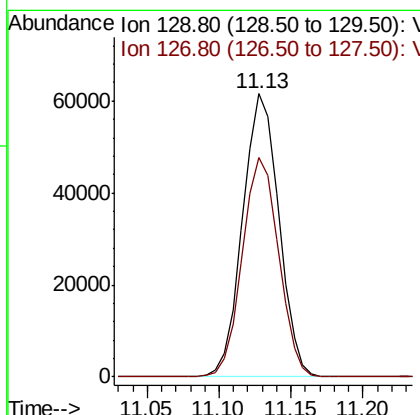
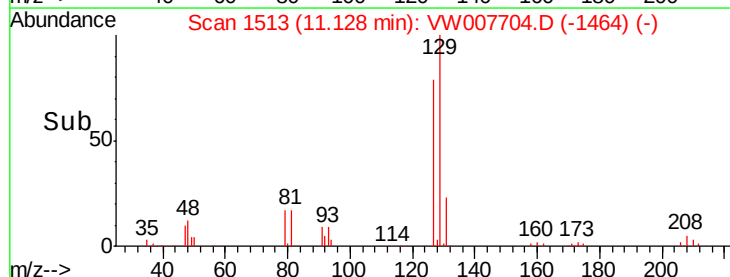
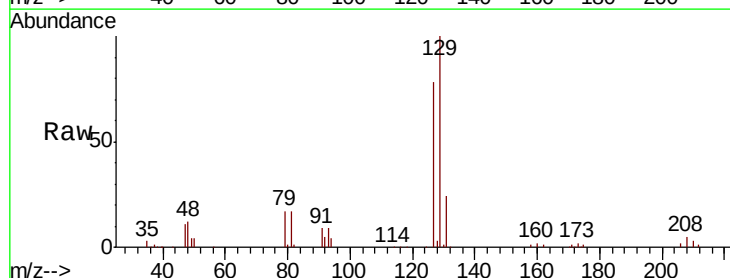
Manual Integrations
APPROVED

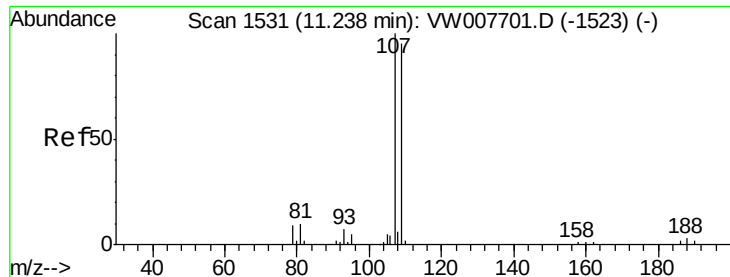
apatel
12/20/2018 11:19:48 AM



#60
Dibromochloromethane
Concen: 140.969 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 129 Resp: 107188
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9





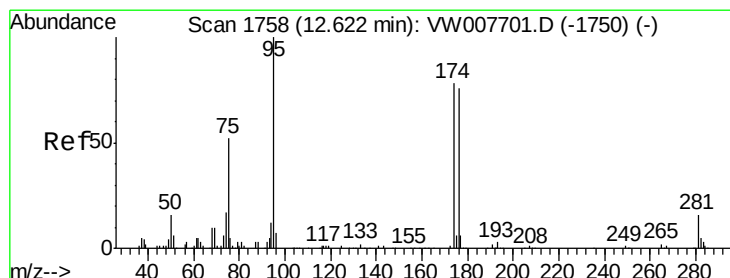
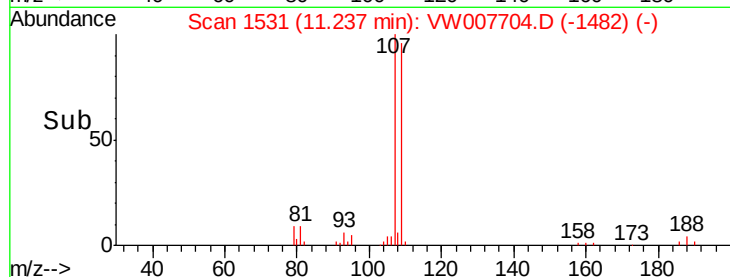
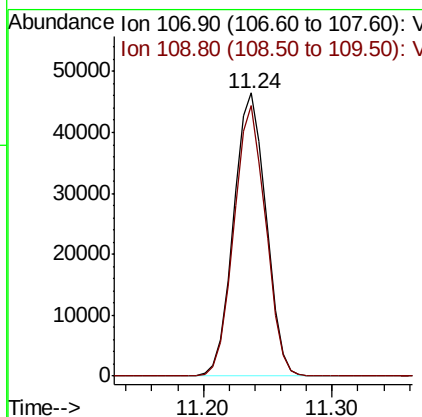
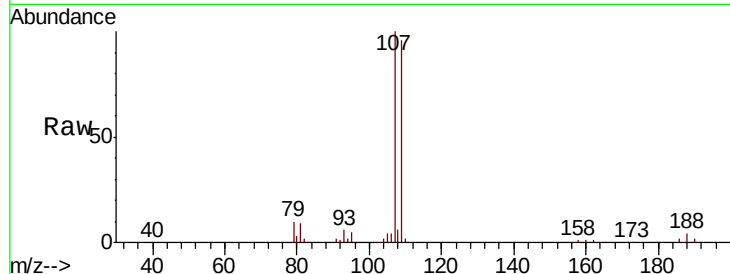
#61
 1,2-Dibromoethane
 Concen: 139.485 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.0

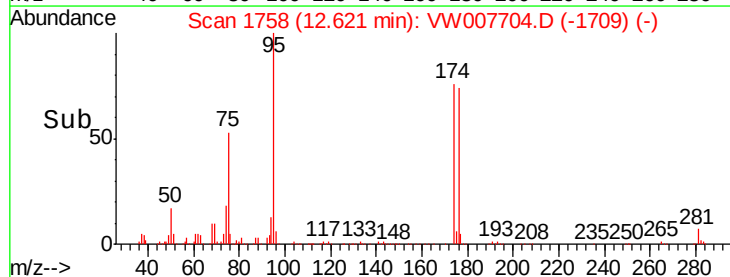
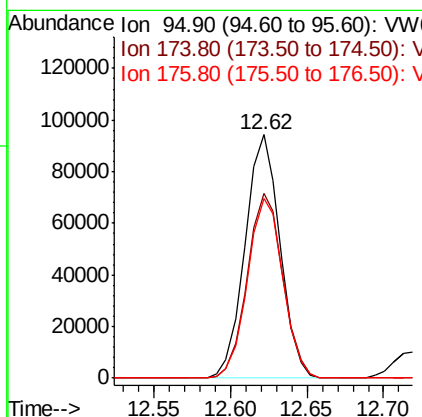
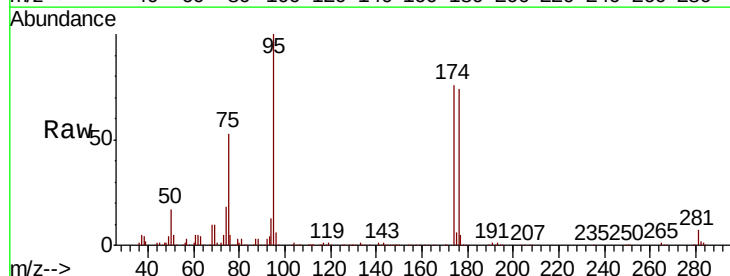
Manual Integrations
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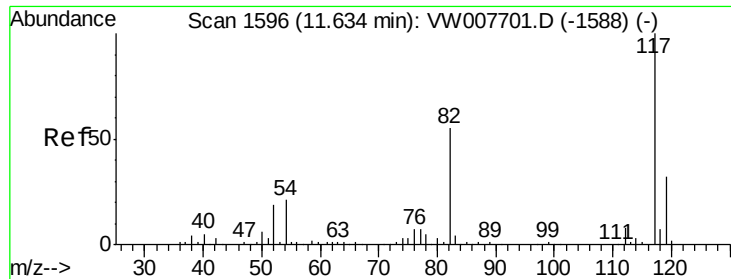
apatel
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#62
 4-Bromofluorobenzene
 Concen: 142.204 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	152.2
176	74.9	0.0	146.8





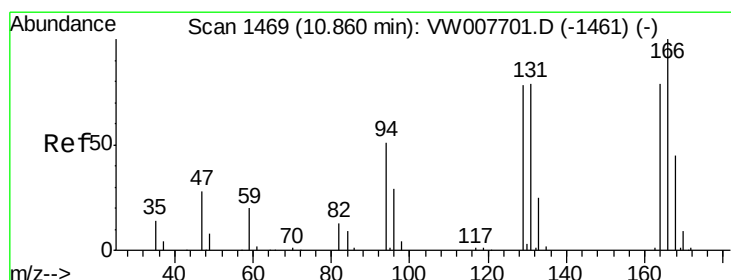
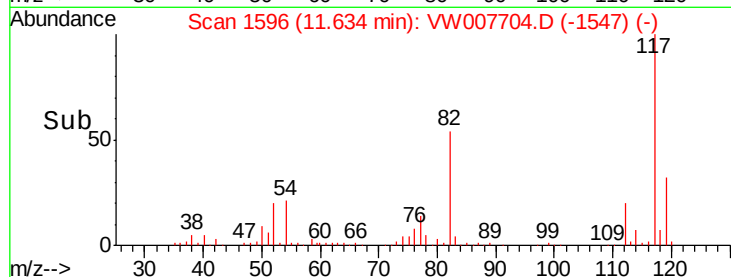
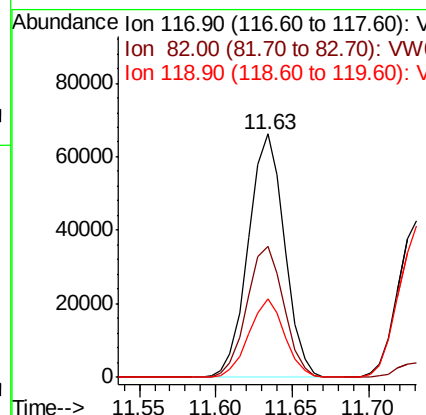
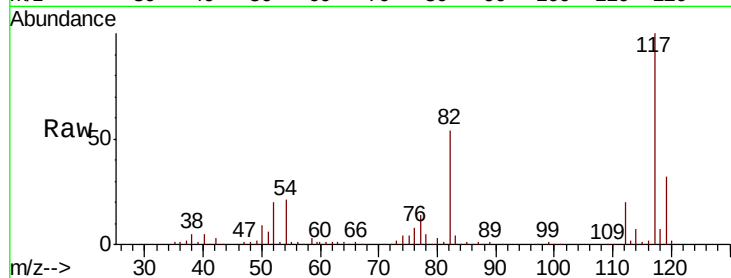
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.3	66.5
119	32.3	25.7	38.5

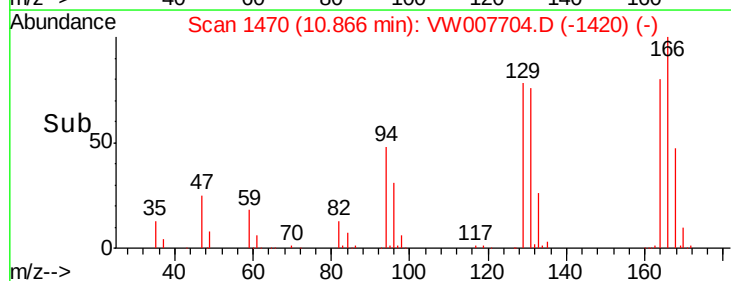
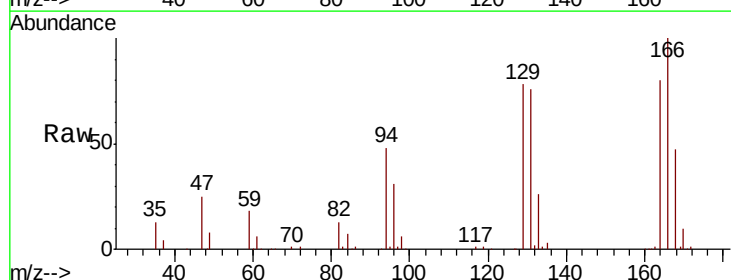
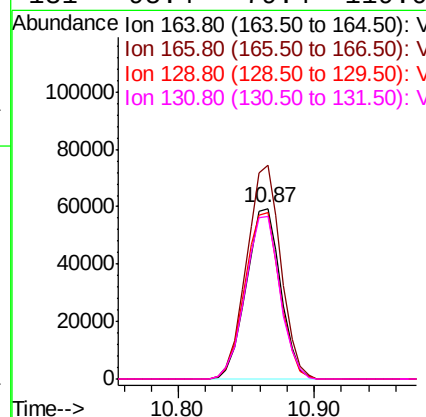
Manual Integrations
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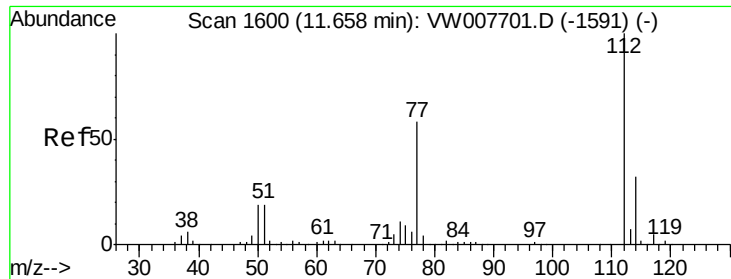
apatel
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#64
Tetrachloroethene
Concen: 135.863 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	101.0	151.6
129	97.6	78.7	118.1
131	95.4	79.4	119.0





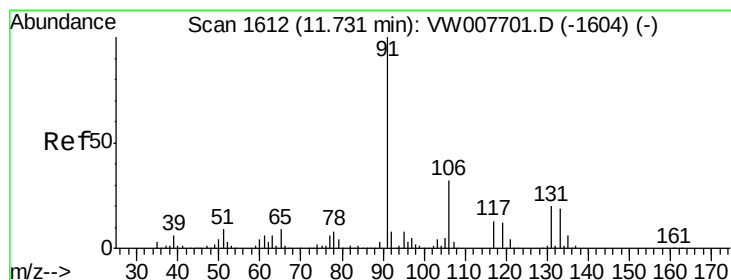
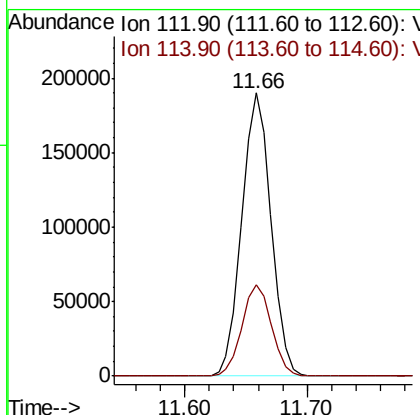
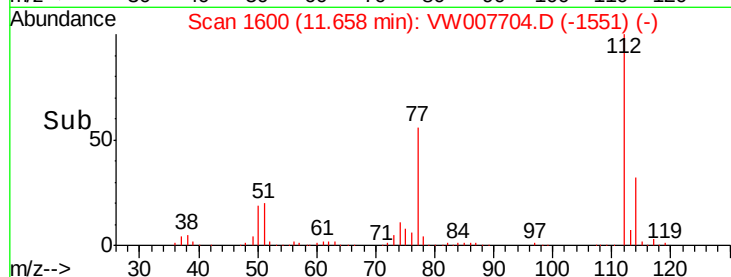
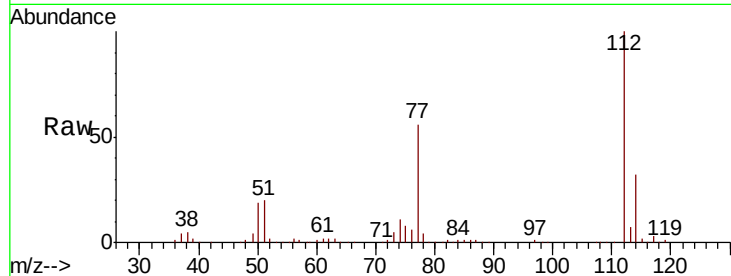
#65
Chlorobenzene
Concen: 133.491 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 314989
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

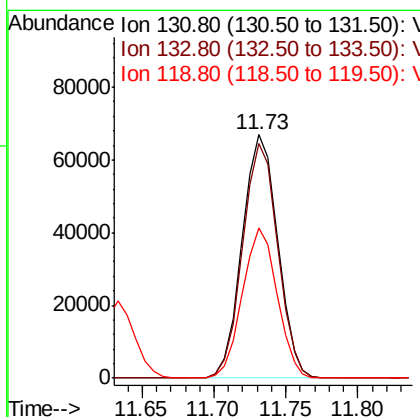
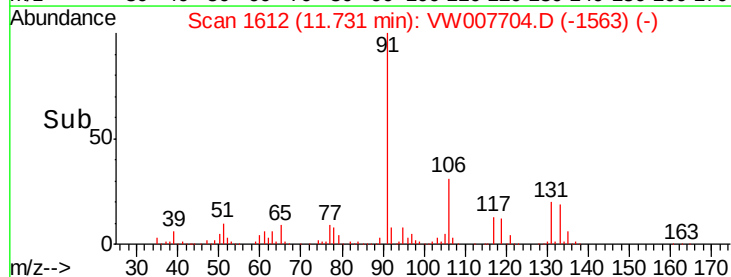
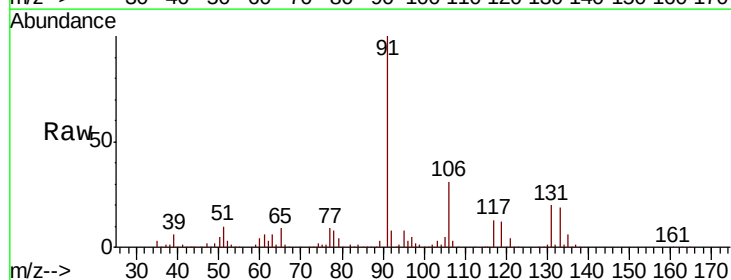
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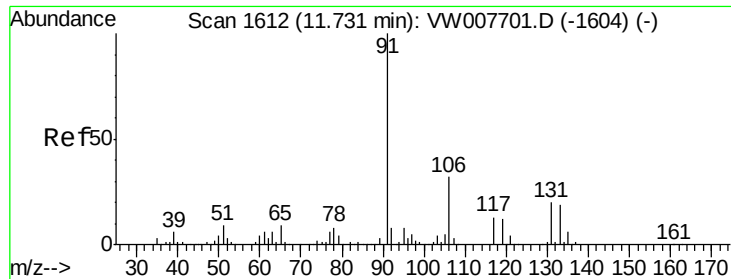
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#66
1,1,1,2-Tetrachloroethane
Concen: 135.412 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion:131 Resp: 114171
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.5
119 60.7 30.2 90.6





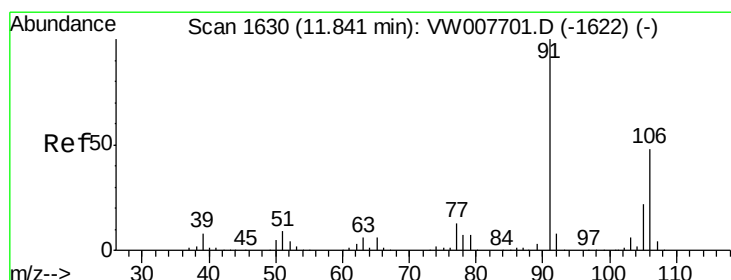
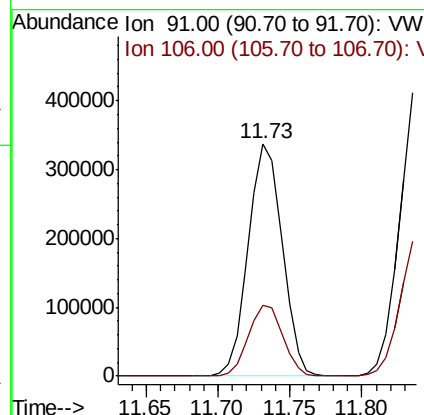
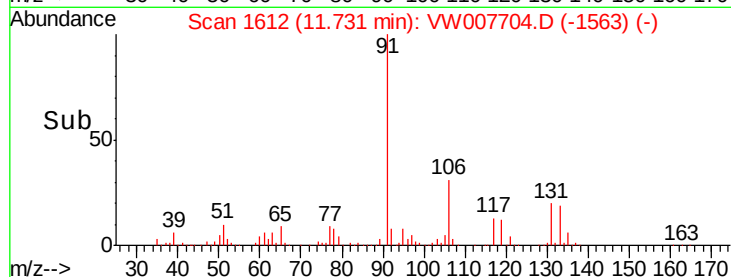
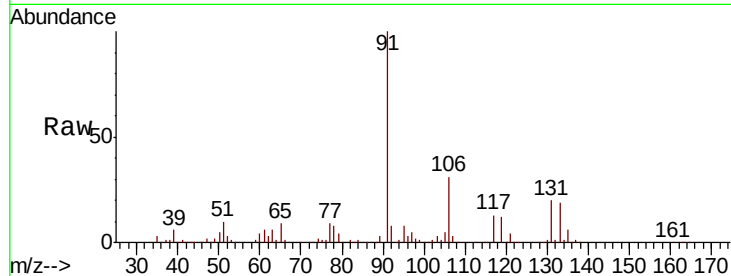
#67
Ethyl Benzene
Concen: 136.116 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 551150
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.8

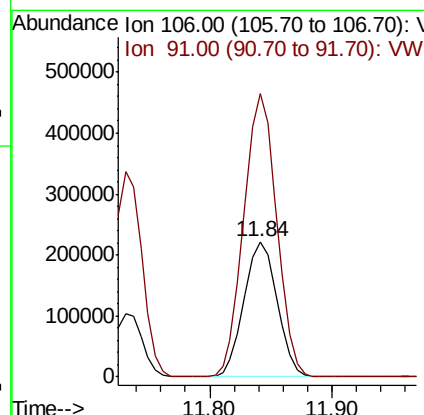
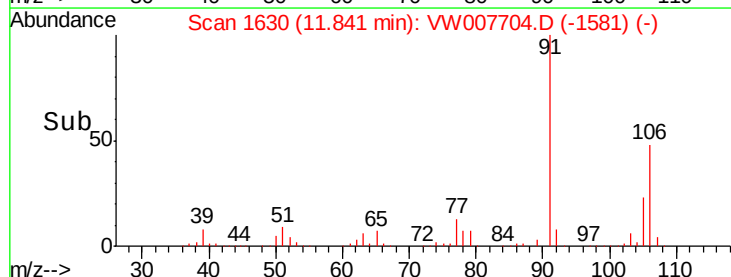
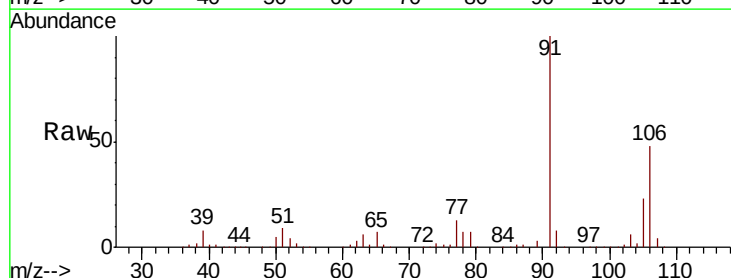
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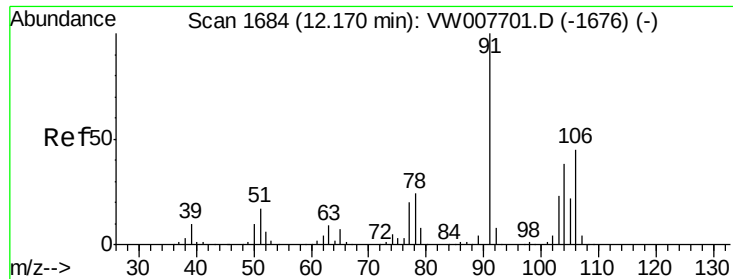
apatel
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#68
m/p-Xylenes
Concen: 266.829 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion:106 Resp: 419113
Ion Ratio Lower Upper
106 100
91 207.6 165.2 247.8





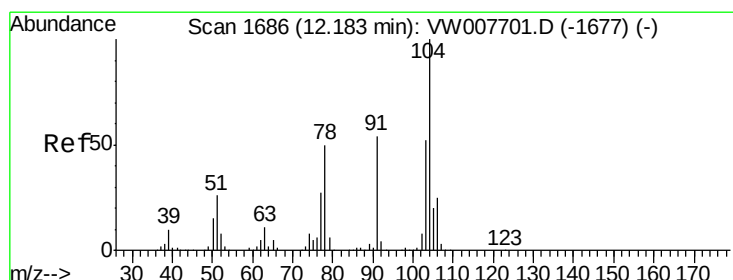
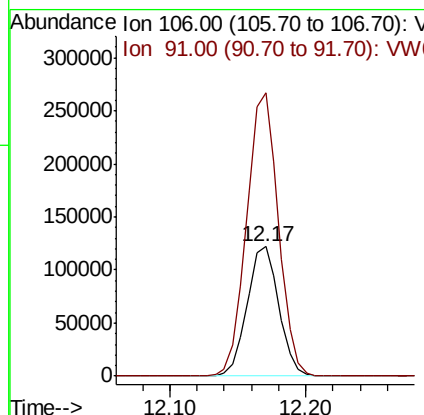
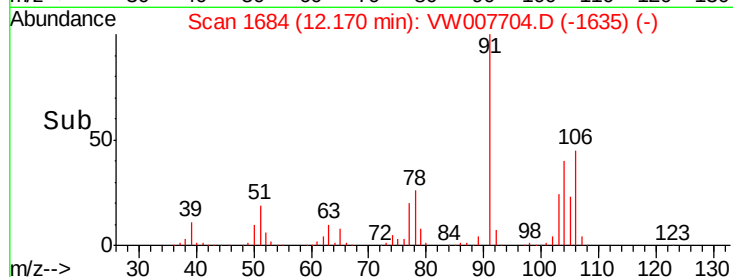
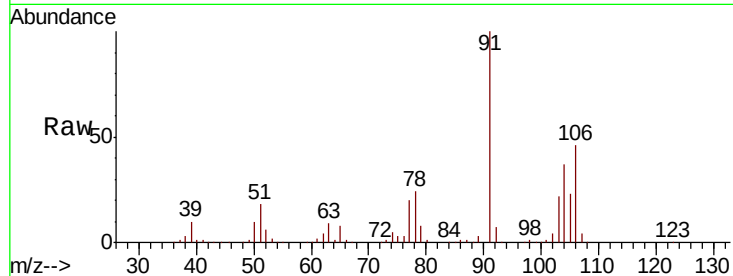
#69
o-Xylene
Concen: 135.570 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 199606
Ion Ratio Lower Upper
106 100
91 218.0 110.5 331.4

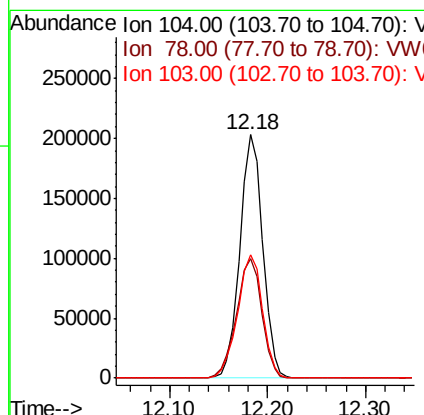
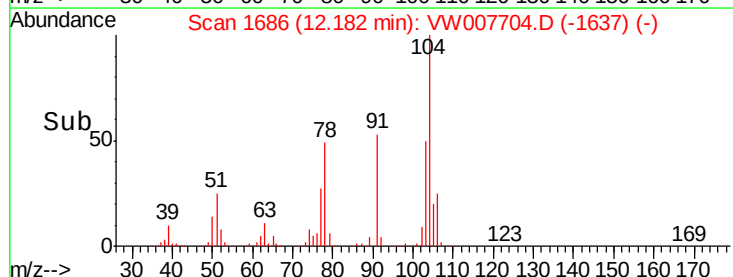
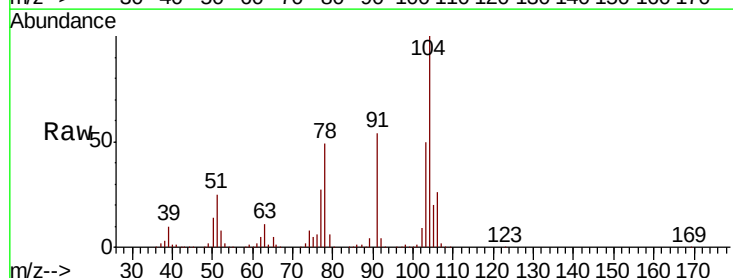
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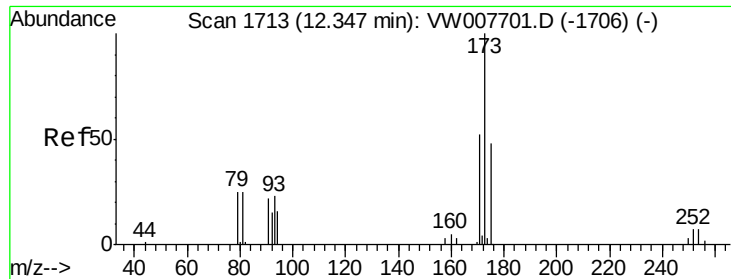
apatel
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#70
Styrene
Concen: 136.314 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion:104 Resp: 329912
Ion Ratio Lower Upper
104 100
78 54.4 43.4 65.0
103 55.2 44.5 66.7





#71

Bromoform

Concen: 140.995 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion:173 Resp: 61712

Ion Ratio Lower Upper

173 100

175 48.6 23.9 71.7

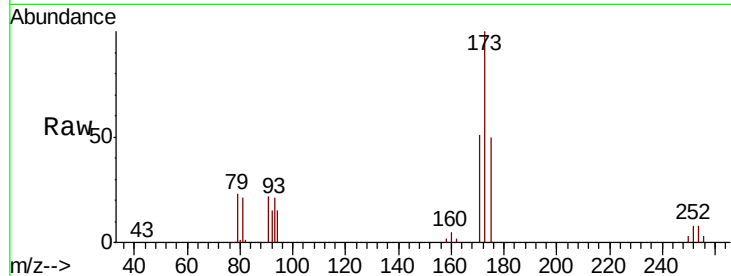
254 0.1 0.0 0.0#

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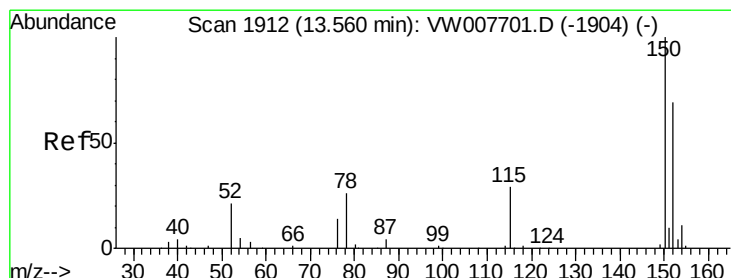
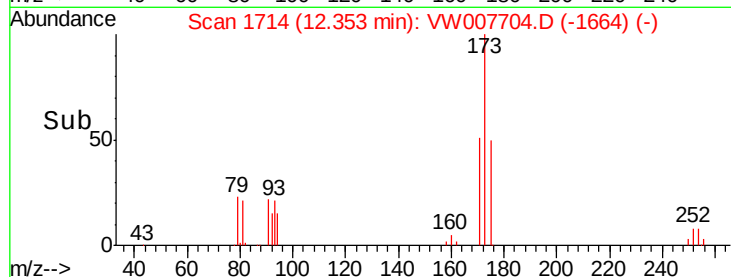
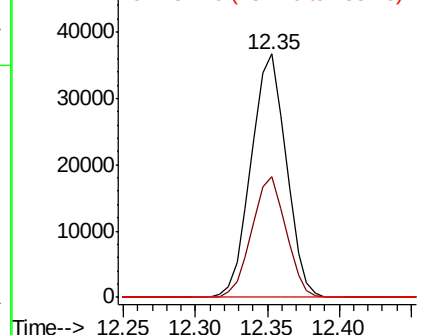
12/20/2018 11:19:48 AM



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: VW007704.D

Acq: 19 Dec 2018 16:11

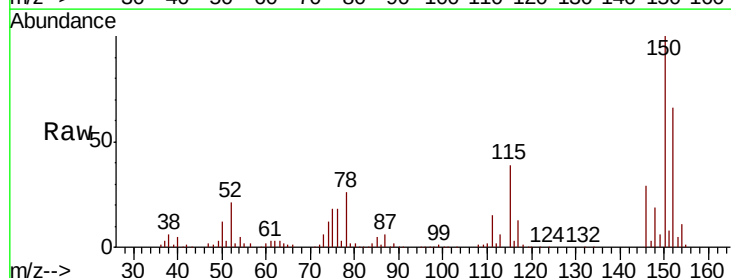
Tgt Ion:152 Resp: 53249

Ion Ratio Lower Upper

152 100

115 62.8 31.8 95.4

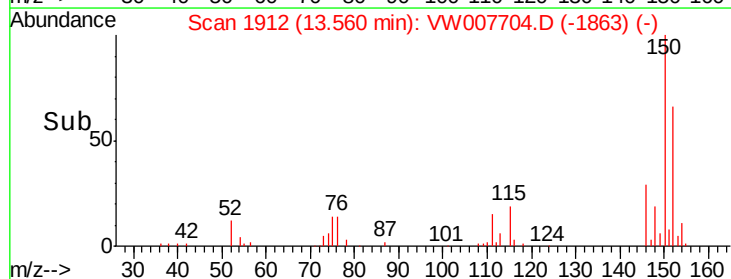
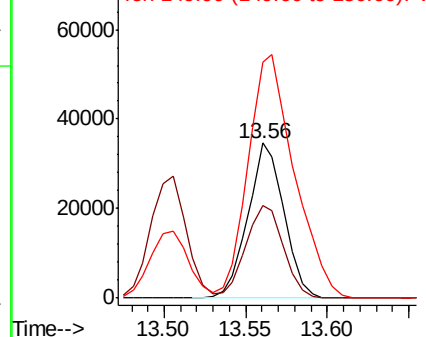
150 201.0 0.0 350.8

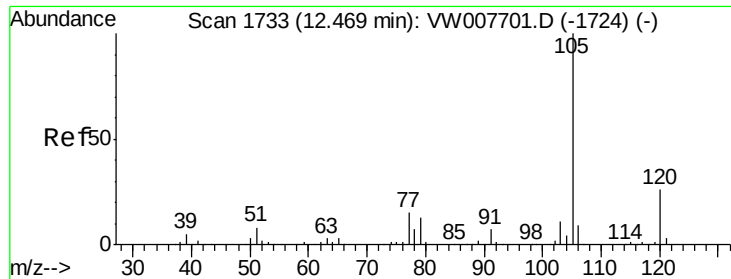


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 141.062 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 567778

Ion Ratio Lower Upper

105 100

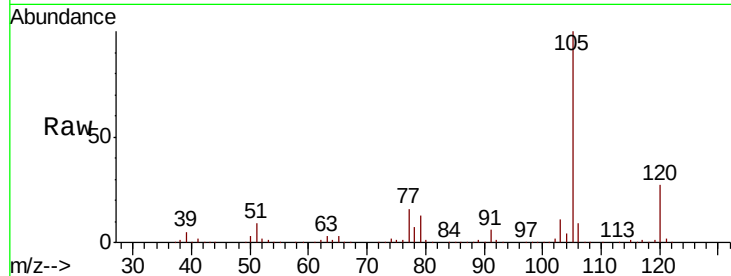
120 26.5 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

100000

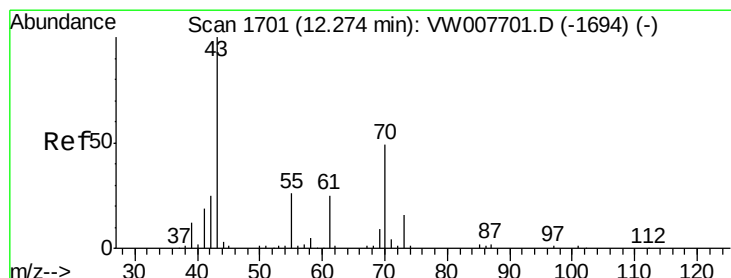
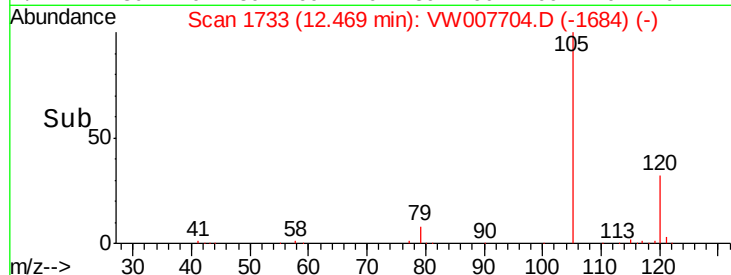
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 148.349 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion: 43 Resp: 103428

Ion Ratio Lower Upper

43 100

70 45.2 37.6 56.4

55 25.4 21.7 32.5

61 25.0 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

100000

80000

60000

40000

20000

0

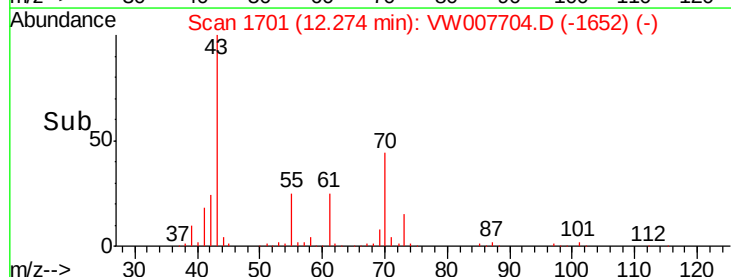
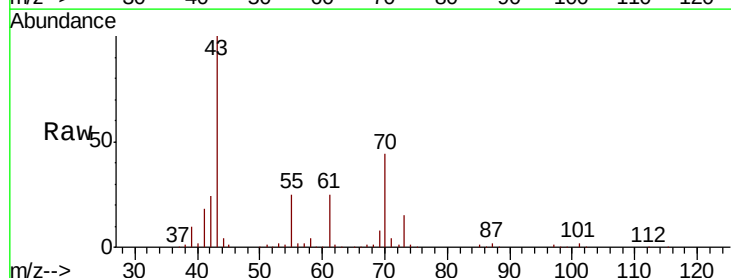
12.27

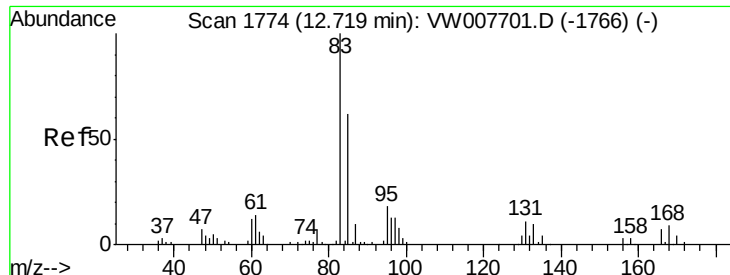
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 140.144 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

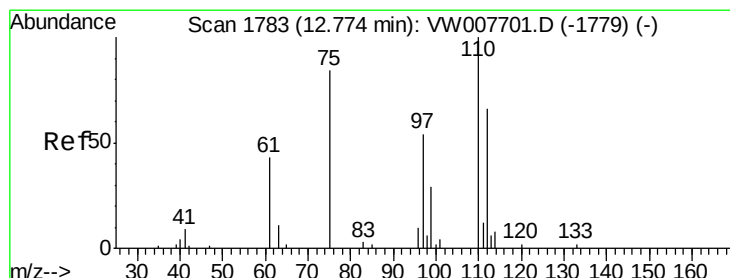
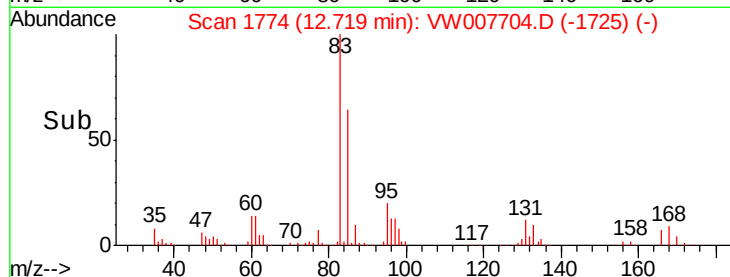
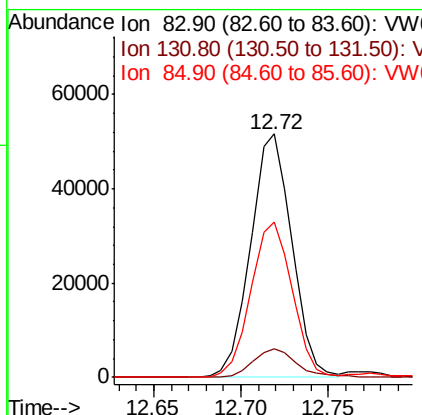
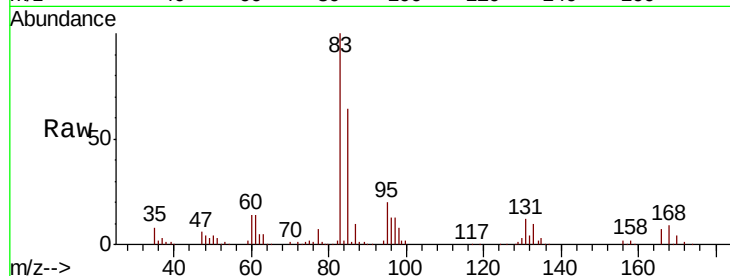
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	84575
Ion Ratio	Lower	Upper	
83	100		
131	12.6	6.3	18.8
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 65.467 ug/l m

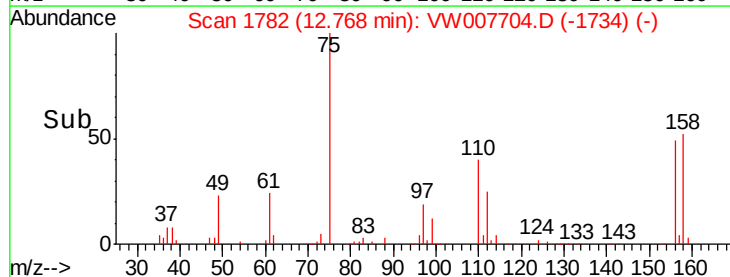
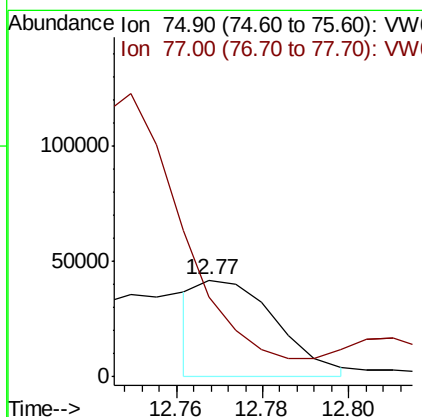
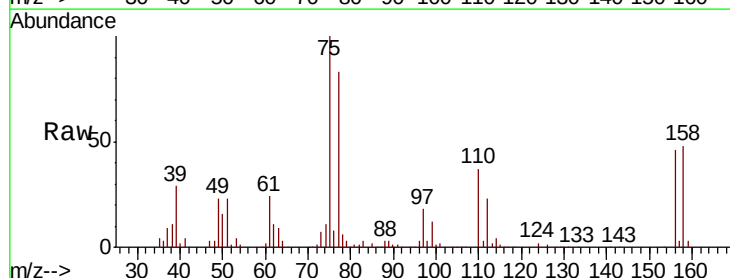
RT: 12.77 min Scan# 1782

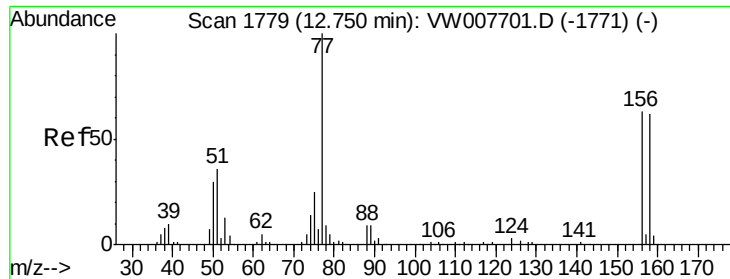
Delta R.T. -0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion:	75	Resp:	52773
Ion Ratio	Lower	Upper	
75	100		
77	422.8	0.0	0.0#





#77

Bromobenzene

Concen: 137.027 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 126399

Ion Ratio Lower Upper

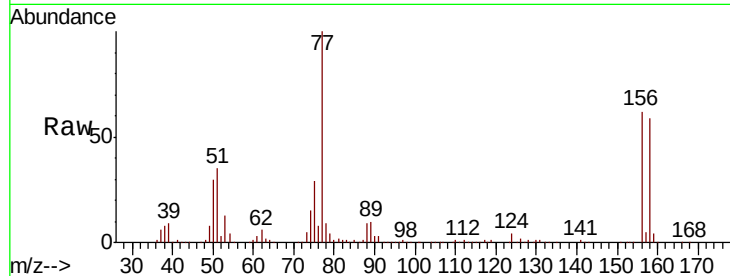
156 100

77 176.5 87.4 262.1

158 96.9 48.4 145.0

Manual Integrations
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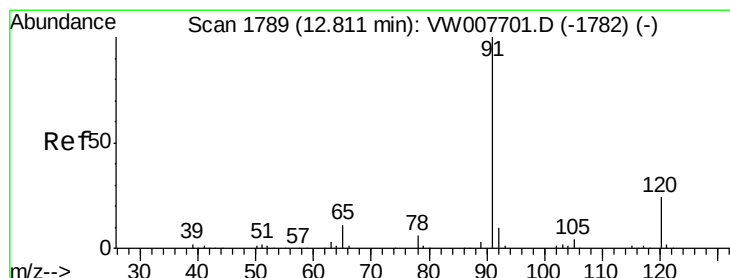
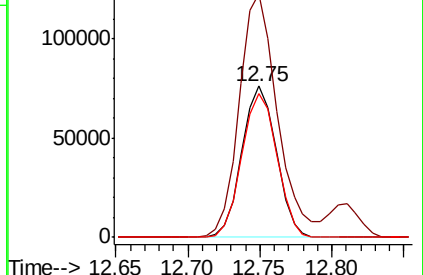
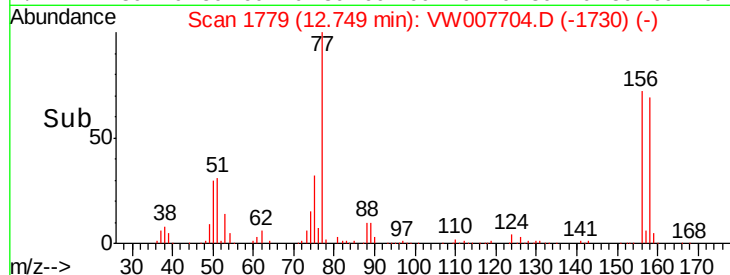
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 139.613 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007704.D

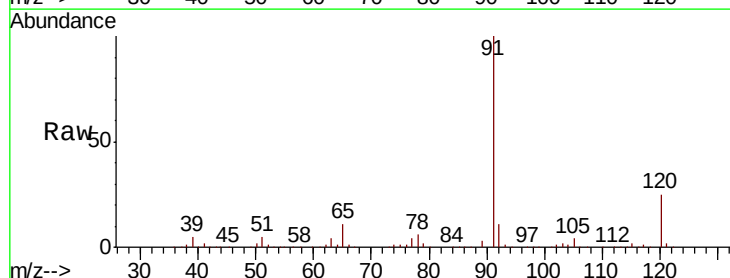
Acq: 19 Dec 2018 16:11

Tgt Ion: 91 Resp: 654140

Ion Ratio Lower Upper

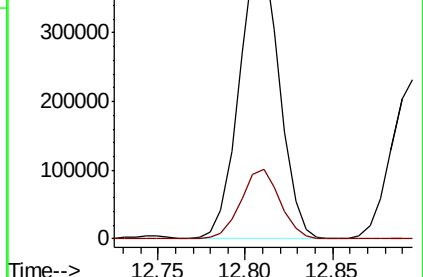
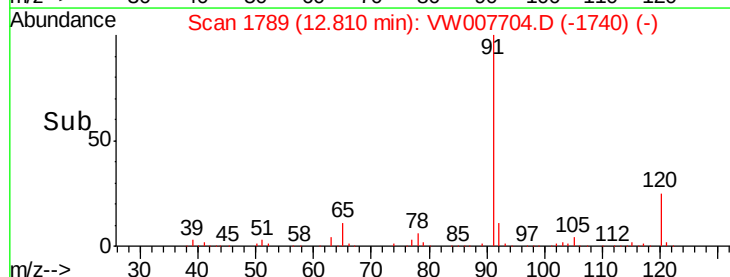
91 100

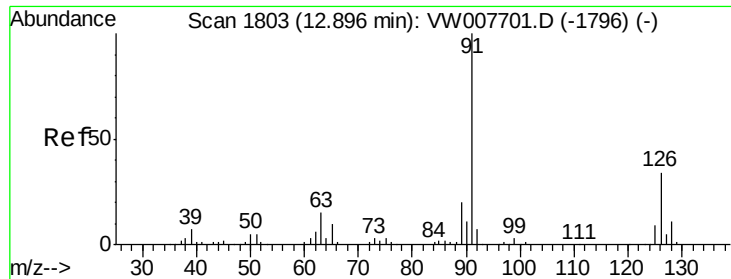
120 24.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 139.230 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 380023

Ion Ratio Lower Upper

91 100

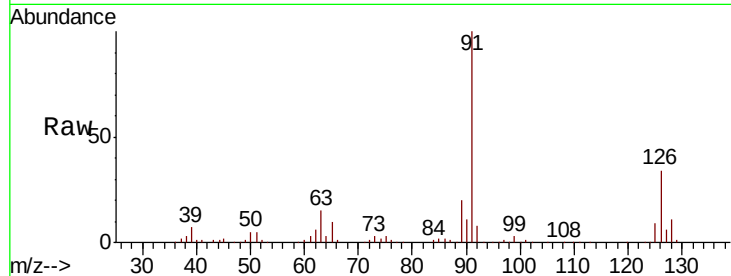
126 33.7 17.0 51.0

Manual Integrations

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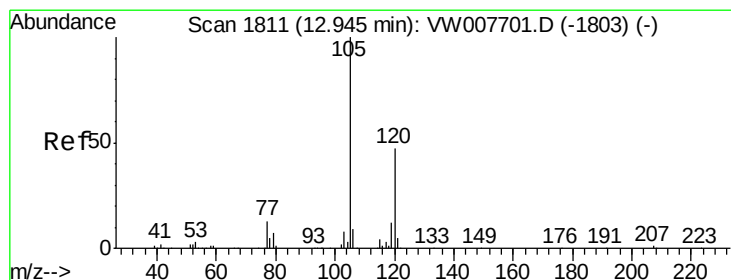
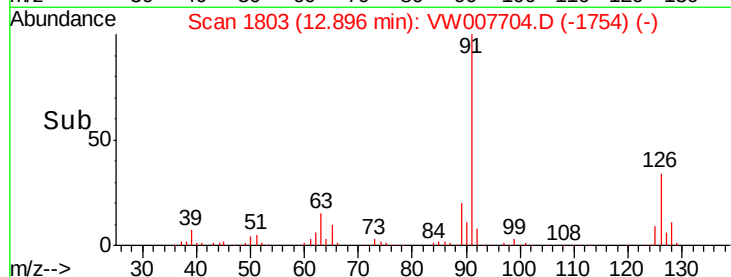
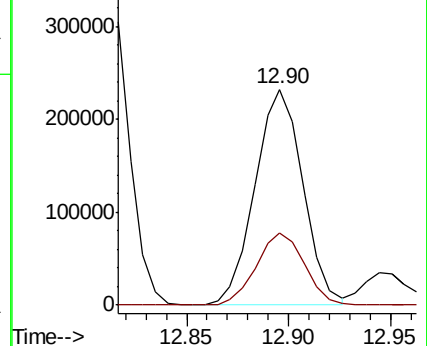
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 139.408 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007704.D

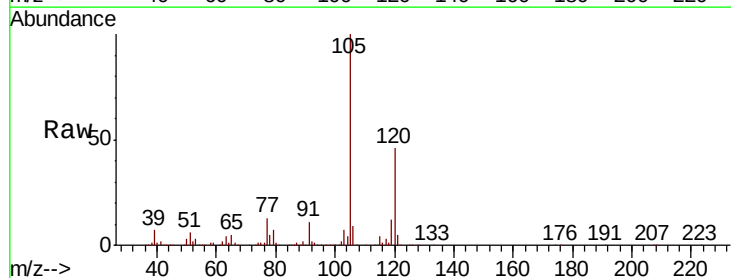
Acq: 19 Dec 2018 16:11

Tgt Ion:105 Resp: 484006

Ion Ratio Lower Upper

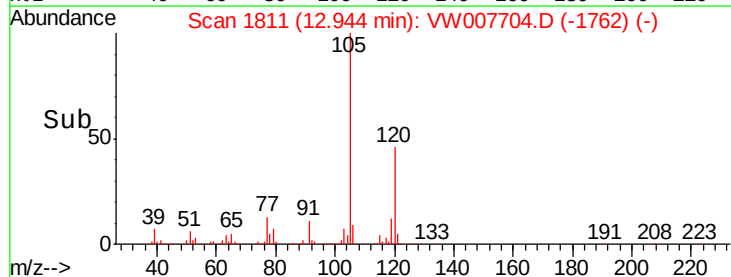
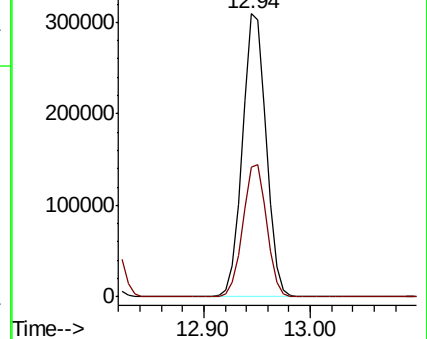
105 100

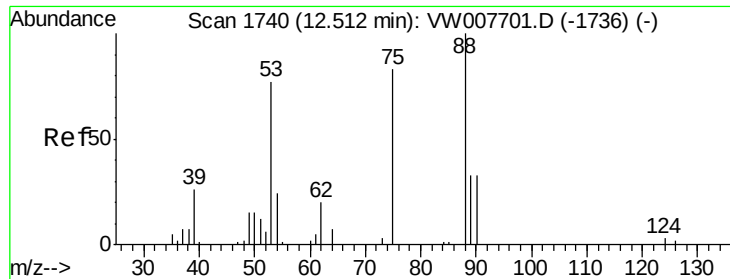
120 47.1 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 147.845 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 28988

Ion Ratio Lower Upper

75 100

53 104.7 80.2 120.2

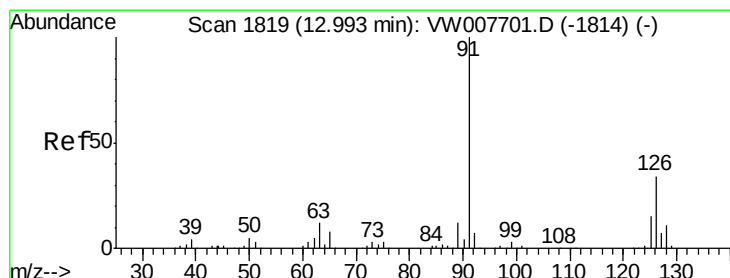
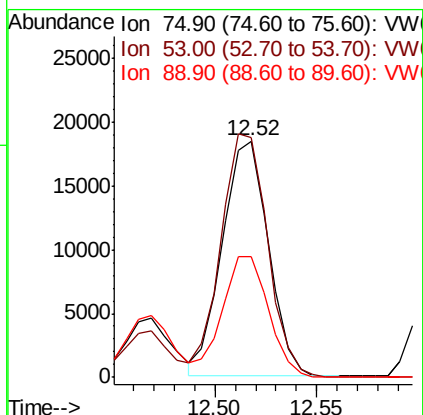
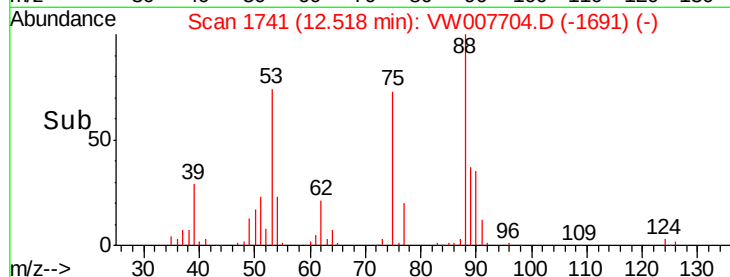
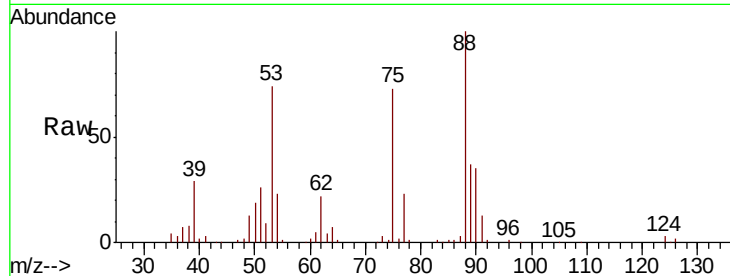
89 51.9 39.2 58.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 138.821 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007704.D

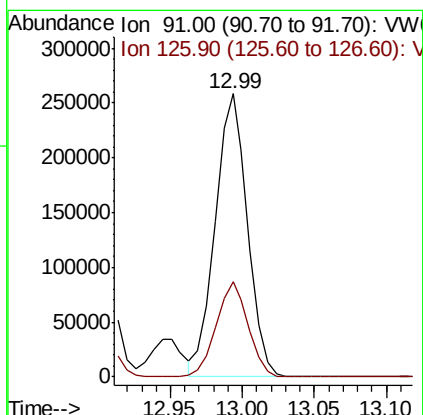
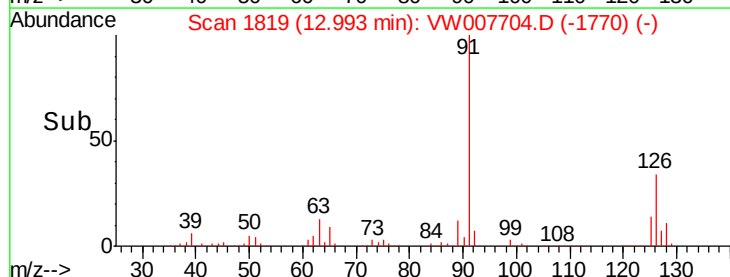
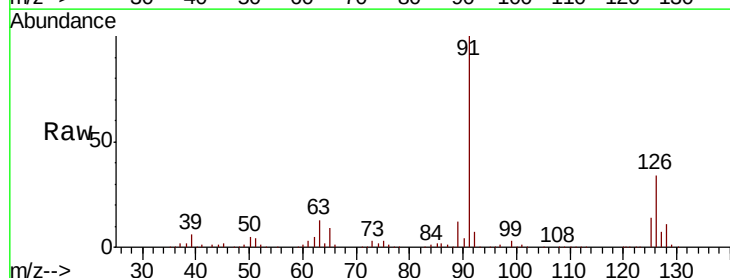
Acq: 19 Dec 2018 16:11

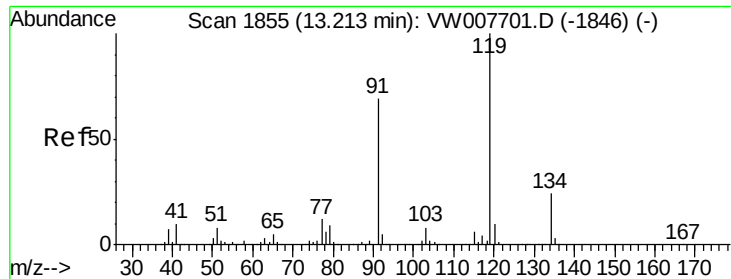
Tgt Ion: 91 Resp: 403447

Ion Ratio Lower Upper

91 100

126 33.4 16.5 49.5





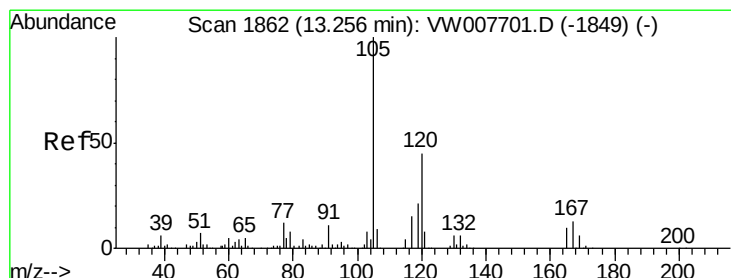
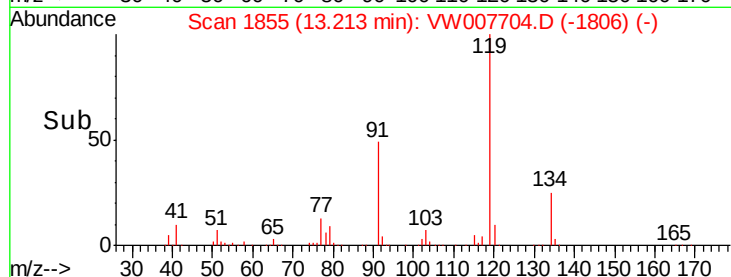
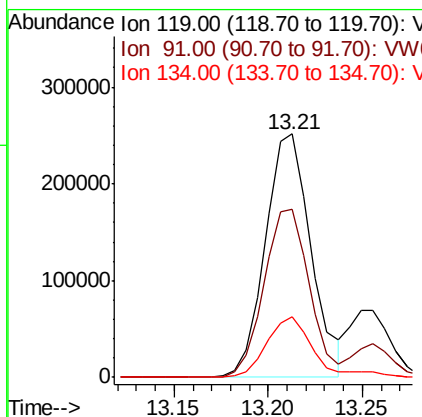
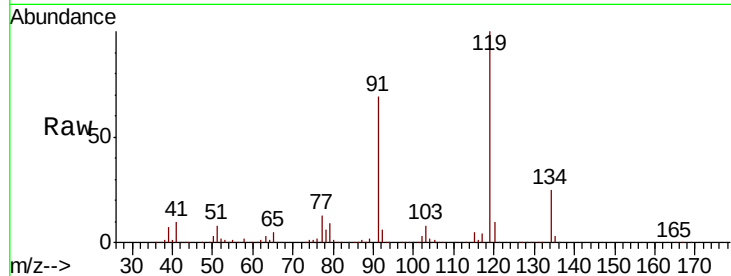
#83
tert-Butylbenzene
Concen: 139.021 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.2	102.5
134	25.5	12.8	38.4

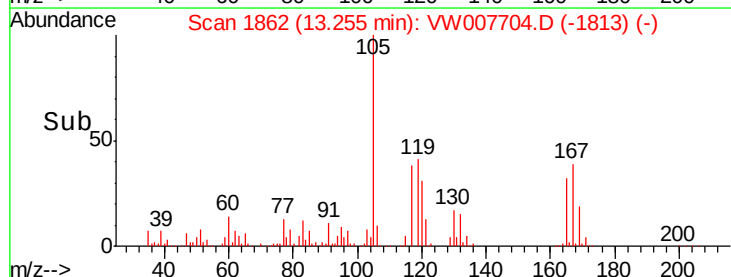
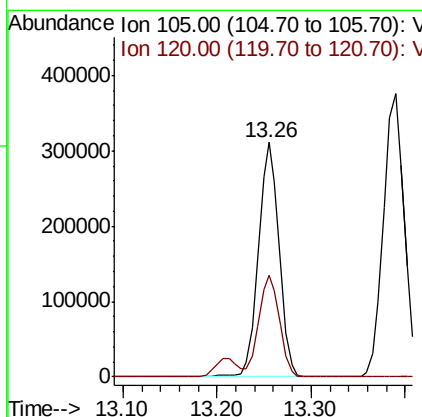
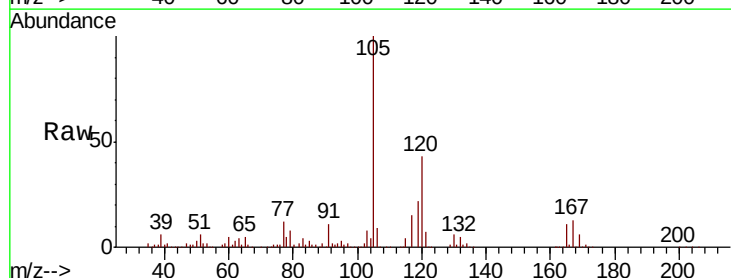
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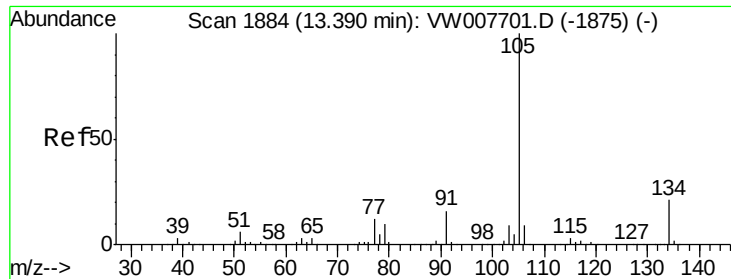
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#84
1,2,4-Trimethylbenzene
Concen: 137.356 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.0	66.0





#85

sec-Butylbenzene

Concen: 137.648 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 577896

Ion Ratio Lower Upper

105 100

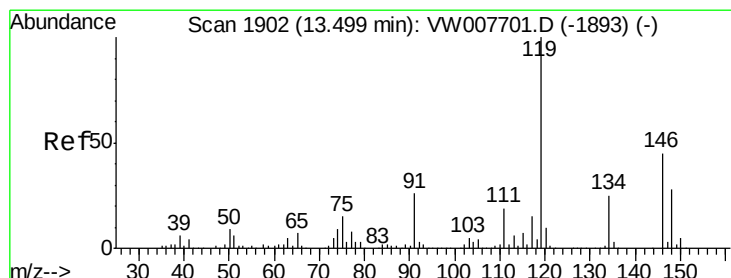
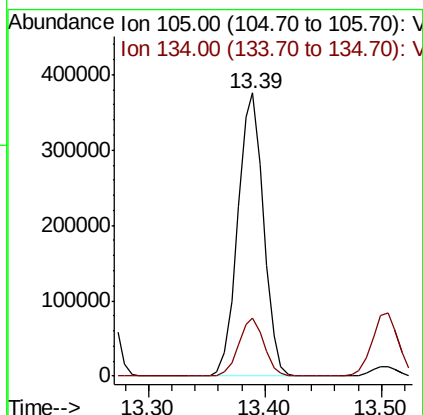
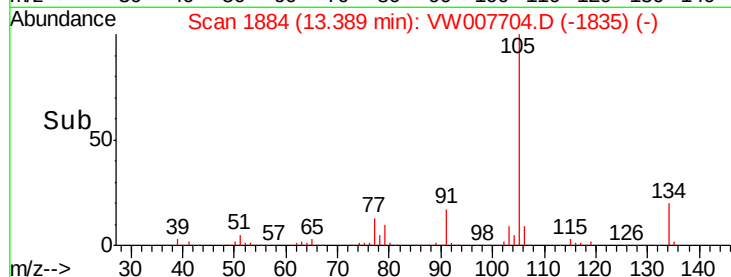
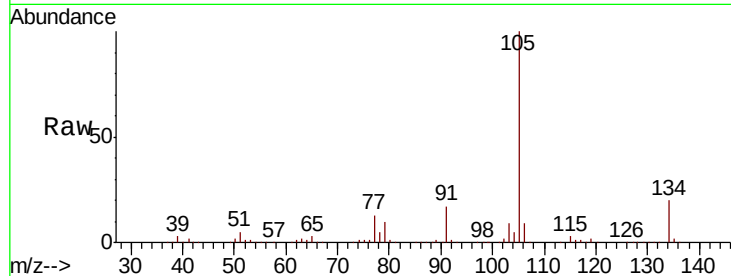
134 20.2 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 135.663 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

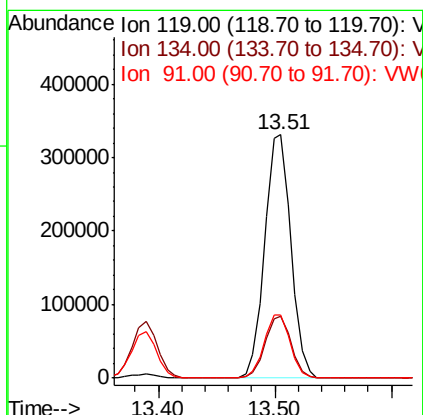
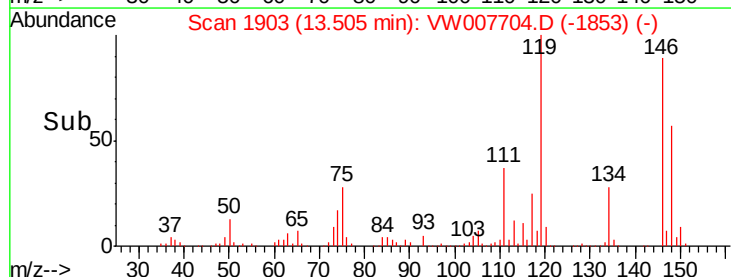
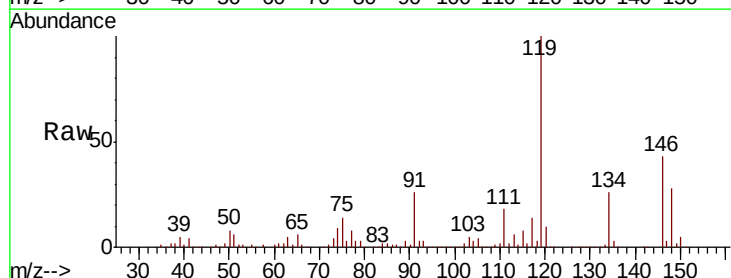
Tgt Ion:119 Resp: 517911

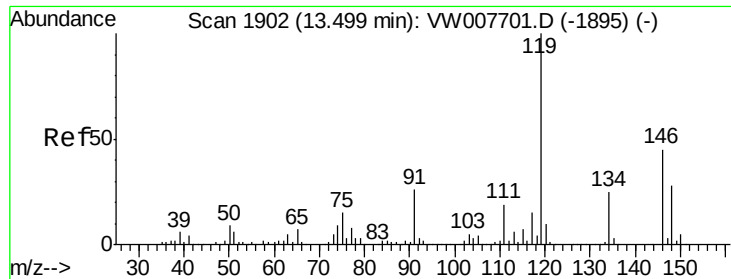
Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

91 25.7 12.8 38.4





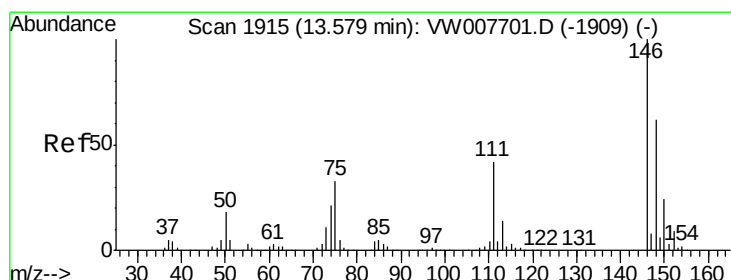
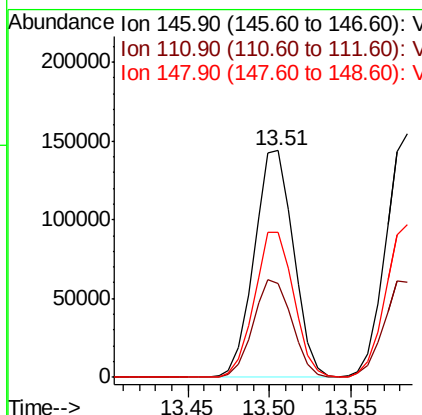
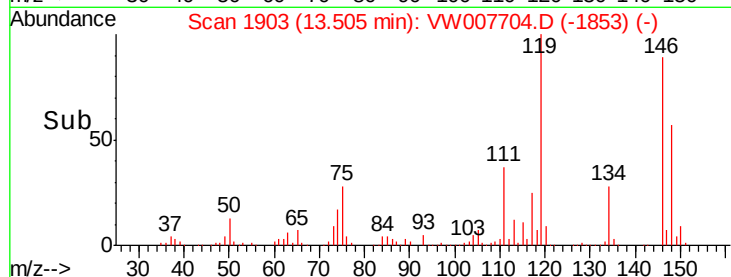
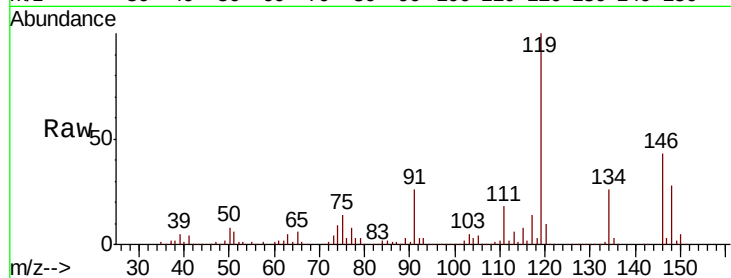
#87
 1,3-Dichlorobenzene
 Concen: 131.652 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	32.1	96.5

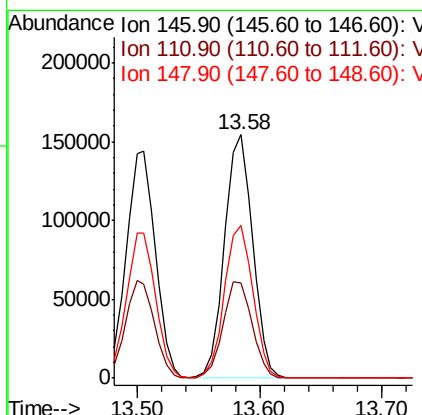
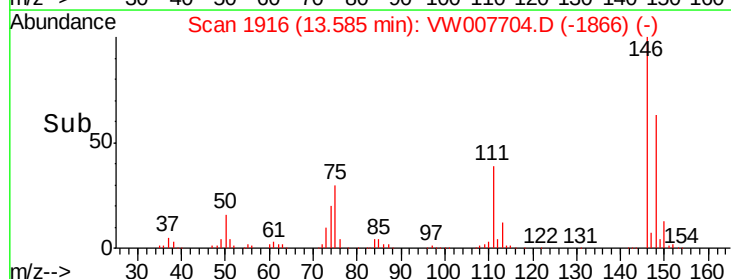
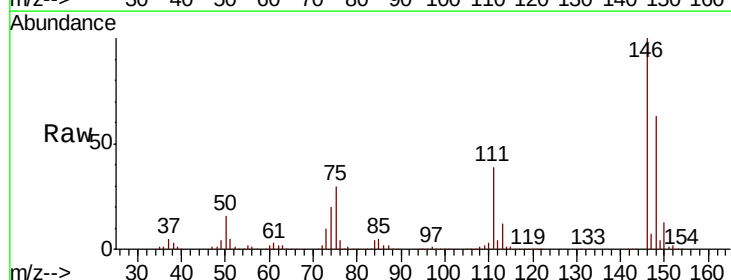
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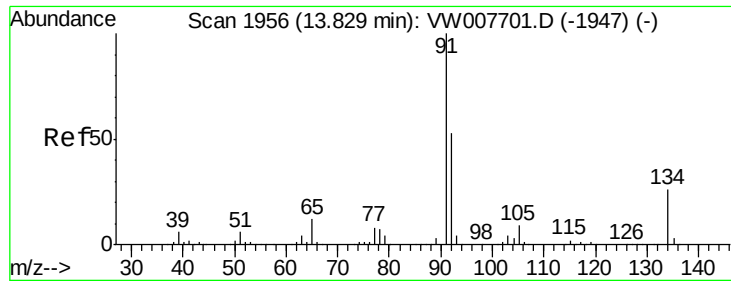
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#88
 1,4-Dichlorobenzene
 Concen: 134.128 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.0	63.0
148	63.5	31.8	95.4





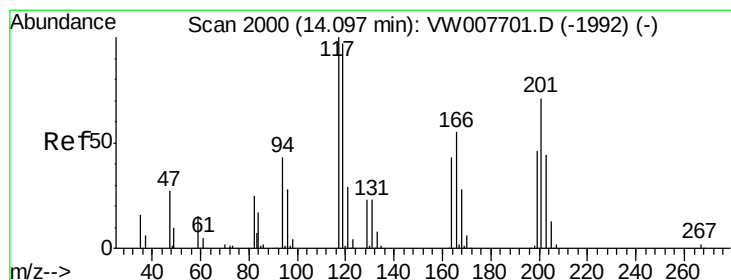
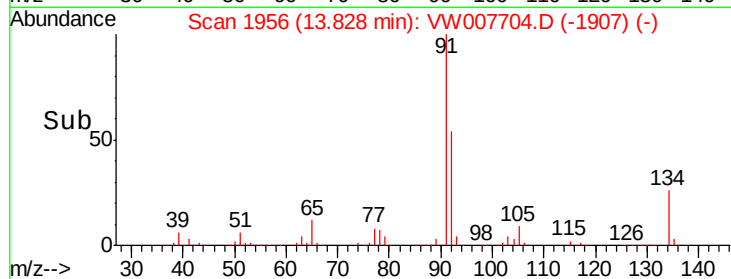
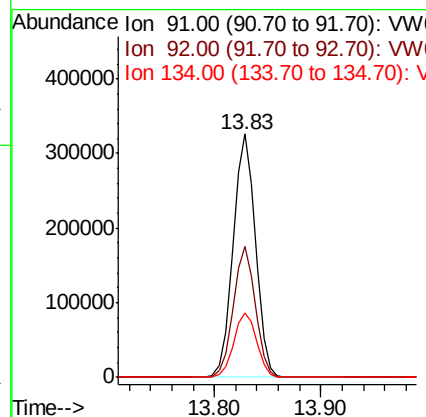
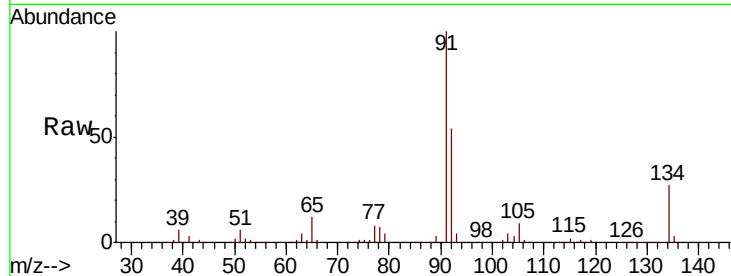
#89
n-Butylbenzene
Concen: 137.492 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.2
134	27.1	13.7	41.0

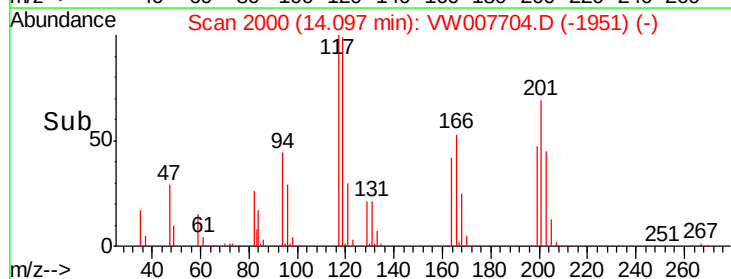
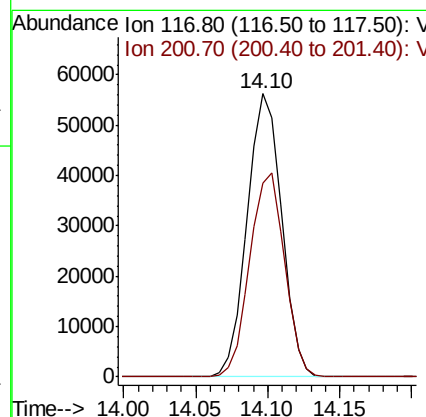
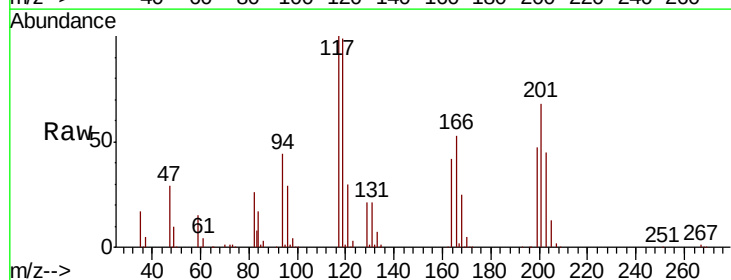
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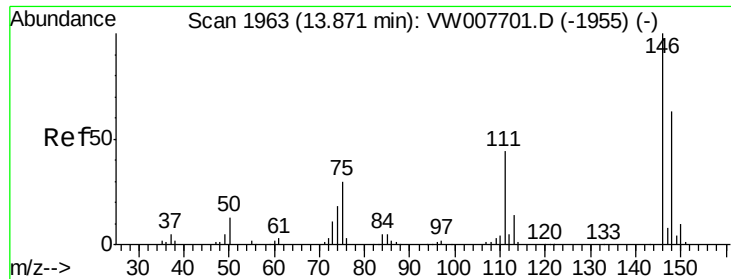
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#90
Hexachloroethane
Concen: 139.387 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.7	36.2	108.6





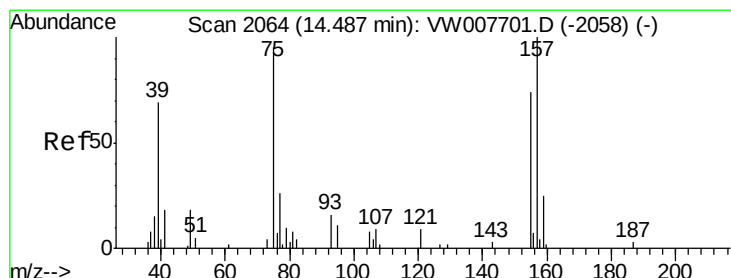
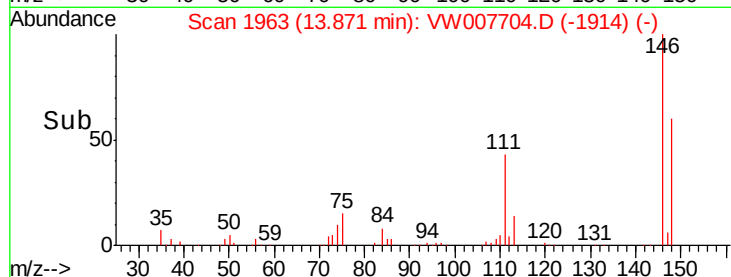
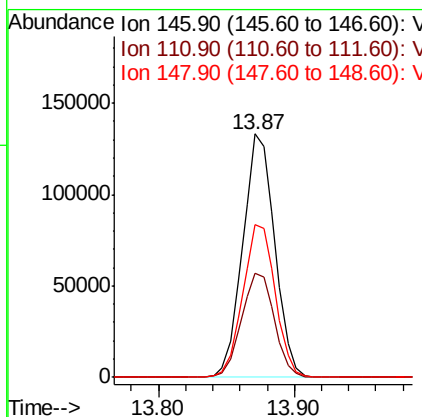
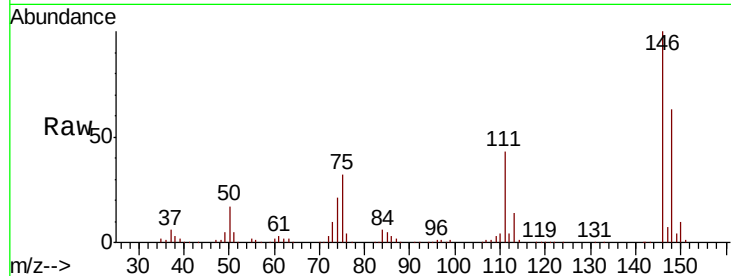
#91
 1,2-Dichlorobenzene
 Concen: 133.459 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.7	65.1
148	63.6	32.1	96.5

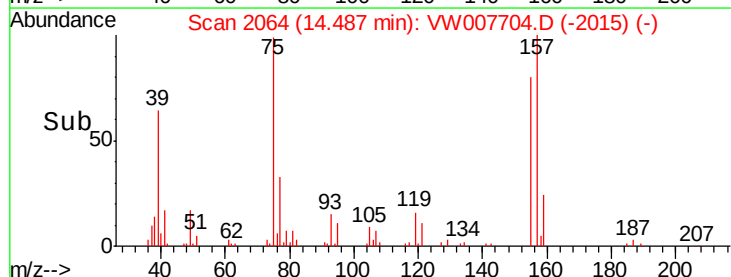
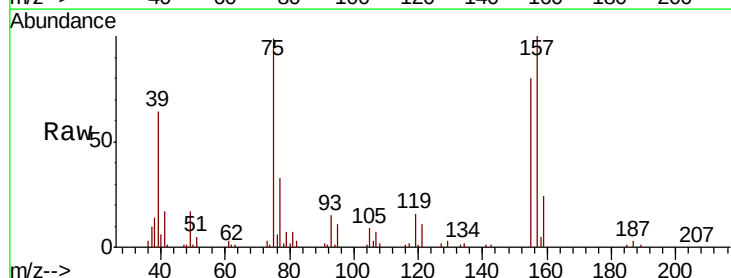
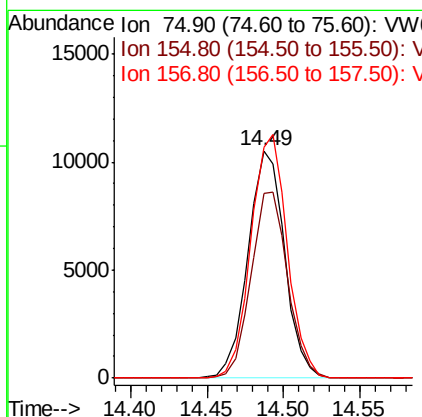
Manual Integrations
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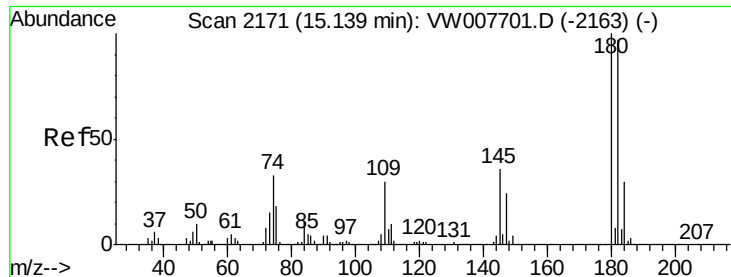
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 141.300 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	39.4	118.1
157	106.5	52.0	156.0





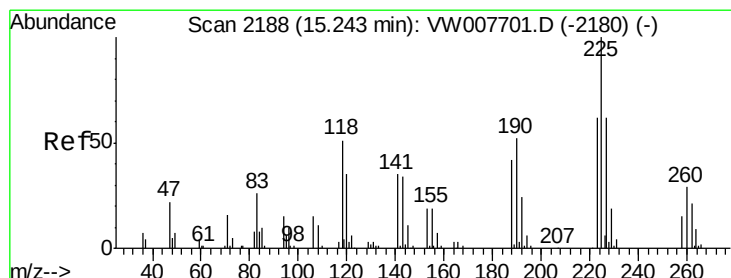
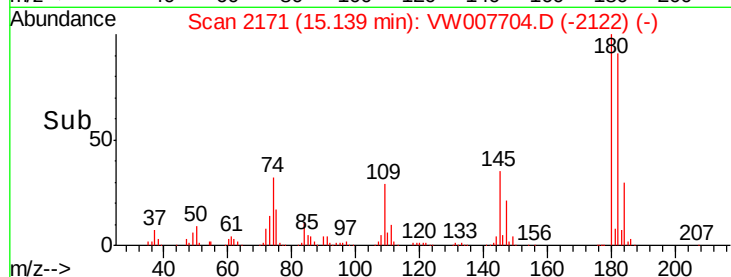
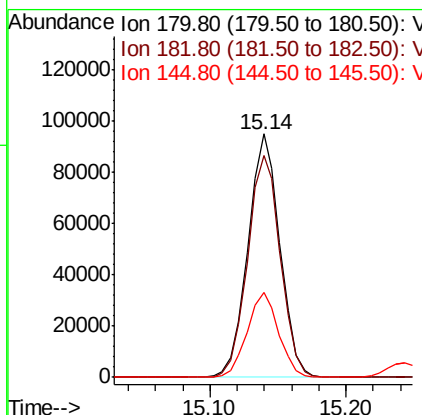
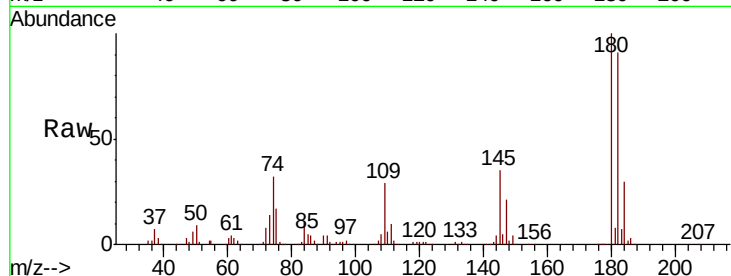
#93
 1,2,4-Trichlorobenzene
 Concen: 136.687 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155586		
182	93.5	47.5	142.6	
145	34.2	17.5	52.5	

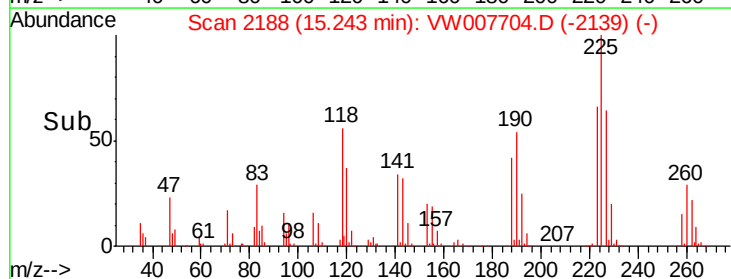
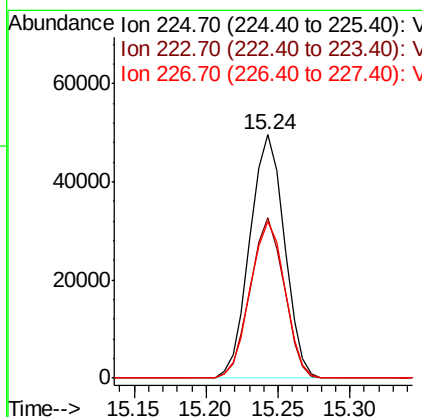
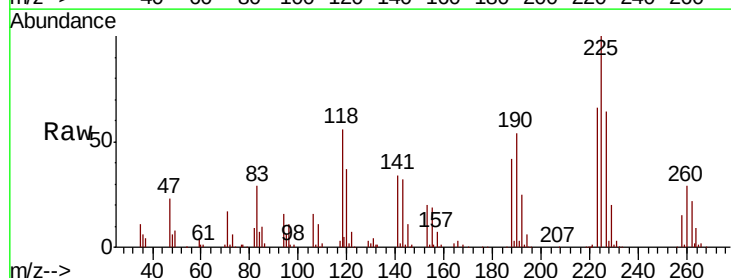
Manual Integrations
 APPROVED

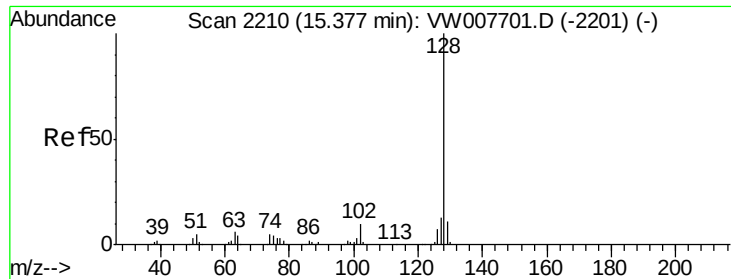
apatel
 12/20/2018 11:19:48 AM



#94
 Hexachlorobutadiene
 Concen: 135.400 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82365		
223	64.4	31.6	94.8	
227	64.6	32.1	96.3	





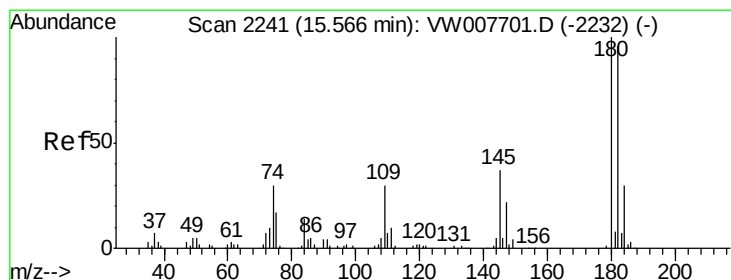
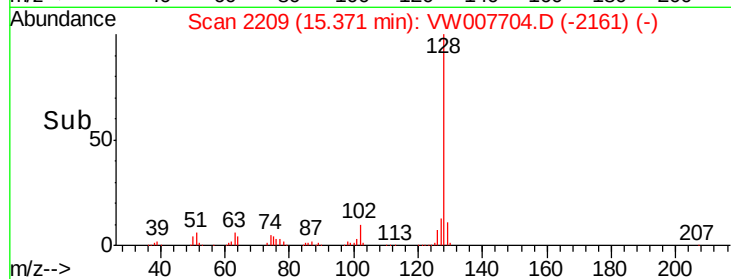
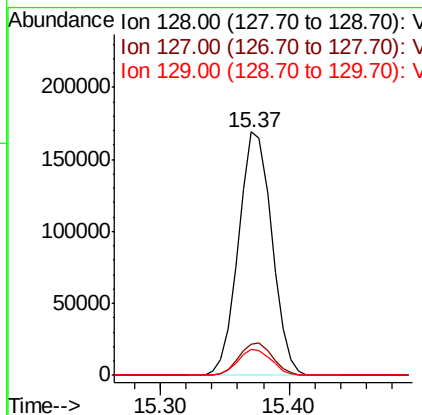
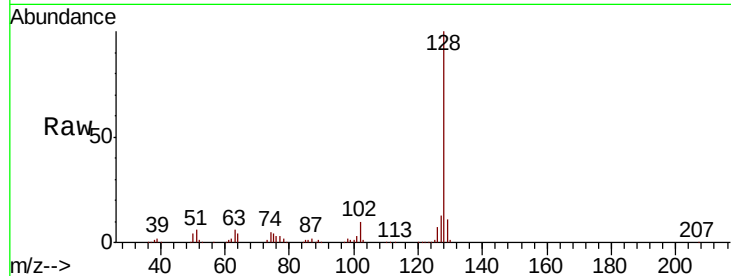
#95
Naphthalene
Concen: 144.375 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	8.8	13.2

Manual Integrations
APPROVED

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12/20/2018 11:19:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 137.659 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.4	142.2
145	36.0	18.4	55.0

