

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007018.D
 Acq On : 22 Nov 2018 00:45
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 11/26/2018 1:04:51 PM

Quant Time: Nov 22 05:57:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	107319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	169082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	56192	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.89	113	49854	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.33	98	222801	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.62	95	87756	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47934	45.238	ug/l	96
3) Chloromethane	2.21	50	42808	48.478	ug/l	97
4) Vinyl Chloride	2.35	62	41317	47.556	ug/l	96
5) Bromomethane	2.77	94	22588	48.710	ug/l	89
6) Chloroethane	2.92	64	23744	49.577	ug/l	97
7) Trichlorofluoromethane	3.26	101	79508	46.539	ug/l	96
8) Diethyl Ether	3.69	74	28256	51.329	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48684	43.956	ug/l	100
10) Methyl Iodide	4.28	142	66514	52.461	ug/l	99
11) Tert butyl alcohol	5.21	59	19789	289.322	ug/l	100
12) 1,1-Dichloroethene	4.04	96	45057	46.384	ug/l	94
13) Acrolein	3.90	56	19123	272.244	ug/l	97
14) Allyl chloride	4.67	41	76990	47.785	ug/l	98
15) Acrylonitrile	5.37	53	59389	287.044	ug/l	98
16) Acetone	4.14	43	42505	278.637	ug/l	99
17) Carbon Disulfide	4.38	76	155450	49.498	ug/l	98
18) Methyl Acetate	4.68	43	29239	53.823	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	137628	54.262	ug/l	100
20) Methylene Chloride	4.92	84	60906	50.112	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	52997	46.835	ug/l	94
22) Diisopropyl ether	6.31	45	157477	50.217	ug/l	95
23) Vinyl Acetate	6.26	43	451669	271.221	ug/l	100
24) 1,1-Dichloroethane	6.22	63	92223	48.341	ug/l	100
25) 2-Butanone	7.18	43	72631	277.992	ug/l	98
26) 2,2-Dichloropropane	7.17	77	75847	44.211	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59590	49.452	ug/l	97
28) Bromochloromethane	7.52	49	36881	51.725	ug/l #	99
29) Tetrahydrofuran	7.54	42	47180	278.823	ug/l	99
30) Chloroform	7.68	83	96467	47.597	ug/l	99
31) Cyclohexane	7.96	56	87668	43.325	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	87539	47.952	ug/l	100
36) 1,1-Dichloropropene	8.09	75	78295	47.386	ug/l	99
37) Ethyl Acetate	7.26	43	32037	53.507	ug/l	96
38) Carbon Tetrachloride	8.07	117	74861	47.314	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96524	46.682	ug/l	99
40) Benzene	8.32	78	221888	49.750	ug/l	99
41) Methacrylonitrile	7.49	41	20179	54.269	ug/l	98
42) 1,2-Dichloroethane	8.40	62	64895	50.116	ug/l	99
43) Isopropyl Acetate	8.43	43	64586	56.605	ug/l	97
44) Trichloroethene	9.09	130	62229	49.772	ug/l	100
45) 1,2-Dichloropropane	9.37	63	55022	50.045	ug/l	95
46) Dibromomethane	9.46	93	28613	51.969	ug/l	99
47) Bromodichloromethane	9.65	83	73582	50.724	ug/l	99
48) Methyl methacrylate	9.44	41	31180	56.674	ug/l	97
49) 1,4-Dioxane	9.47	88	9532	1164.803	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	164848	285.890	ug/l	100
52) Toluene	10.39	92	154301	50.836	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	73270	52.141	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	87079	51.292	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	42175	52.065	ug/l	96
56) Ethyl methacrylate	10.65	69	55337	58.851	ug/l	98
57) 1,3-Dichloropropane	10.93	76	71758	52.860	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	120041	244.308	ug/l	100
59) 2-Hexanone	10.97	43	115340	292.104	ug/l	100
60) Dibromochloromethane	11.13	129	50056	54.230	ug/l	99
61) 1,2-Dibromoethane	11.24	107	40246	54.311	ug/l	98
64) Tetrachloroethene	10.87	164	53425	50.453	ug/l	97
65) Chlorobenzene	11.66	112	171942	50.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51417	49.475	ug/l	98
67) Ethyl Benzene	11.73	91	308354	48.859	ug/l	99
68) m/p-Xylenes	11.84	106	244431	98.718	ug/l	100
69) o-Xylene	12.17	106	116291	49.809	ug/l	100
70) Styrene	12.18	104	191244	51.466	ug/l	99
71) Bromoform	12.35	173	26503	54.135	ug/l #	99
73) Isopropylbenzene	12.47	105	312739	48.418	ug/l	99
74) N-amyl acetate	12.27	43	62177	57.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	46117	53.649	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	28551m	43.719	ug/l	
77) Bromobenzene	12.75	156	69390	50.018	ug/l	99
78) n-propylbenzene	12.81	91	371805	47.521	ug/l	100
79) 2-Chlorotoluene	12.90	91	217202	48.147	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	271092	48.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13504	51.914	ug/l	97
82) 4-Chlorotoluene	12.99	91	231128	48.822	ug/l	99
83) tert-Butylbenzene	13.21	119	231554	47.883	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	274210	49.275	ug/l	100
85) sec-Butylbenzene	13.39	105	326199	47.747	ug/l	100
86) p-Isopropyltoluene	13.51	119	291121	48.302	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	139517	49.261	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	140604	49.792	ug/l	99
89) n-Butylbenzene	13.83	91	271778	47.917	ug/l	99
90) Hexachloroethane	14.10	117	42997	48.864	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	125436	50.545	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8553	58.913	ug/l	95

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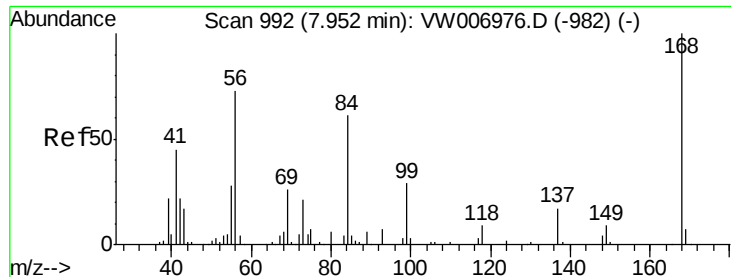
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	81308	49.686	ug/l	99
94) Hexachlorobutadiene	15.24	225	43115	48.464	ug/l	97
95) Naphthalene	15.38	128	159405	53.662	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	70395	51.851	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 107319

Ion Ratio Lower Upper

168 100

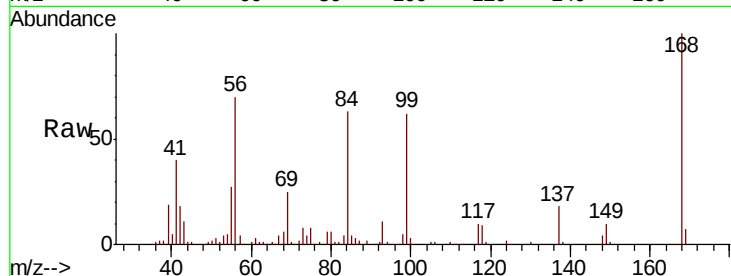
99 61.8 48.2 72.4

Manual Integrations

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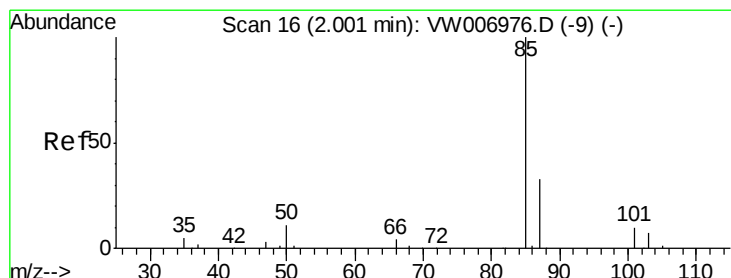
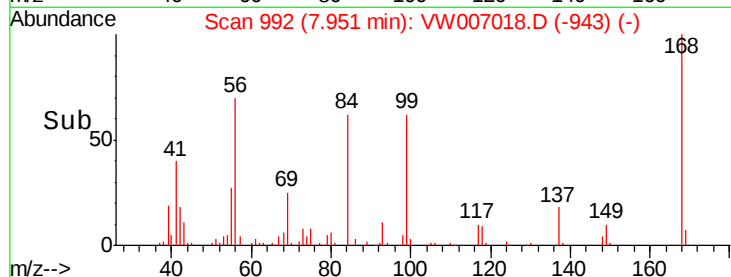
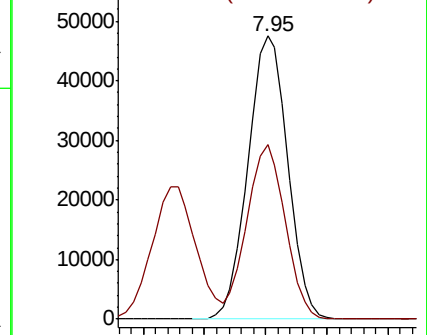
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.238 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007018.D

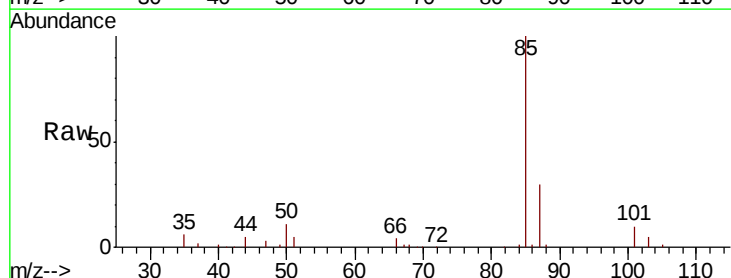
Acq: 22 Nov 2018 00:45

Tgt Ion: 85 Resp: 47934

Ion Ratio Lower Upper

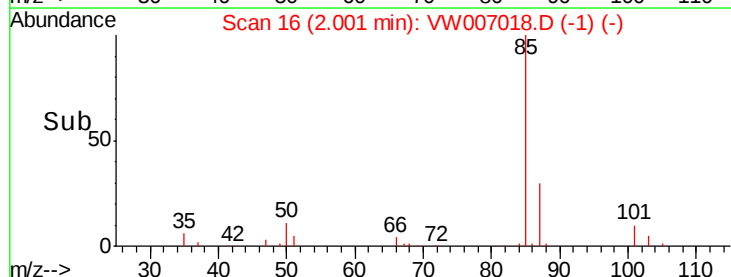
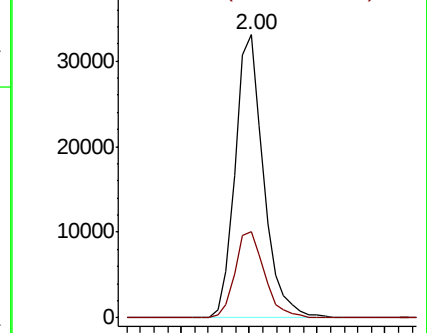
85 100

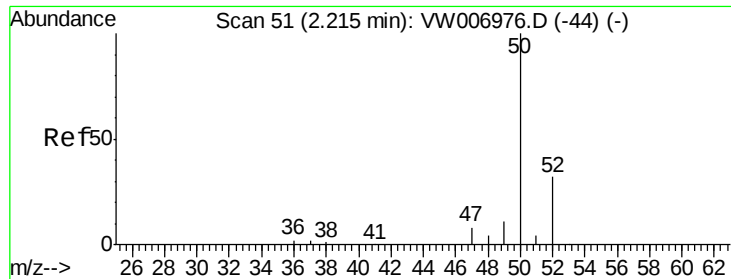
87 30.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.478 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 42808

Ion Ratio Lower Upper

50 100

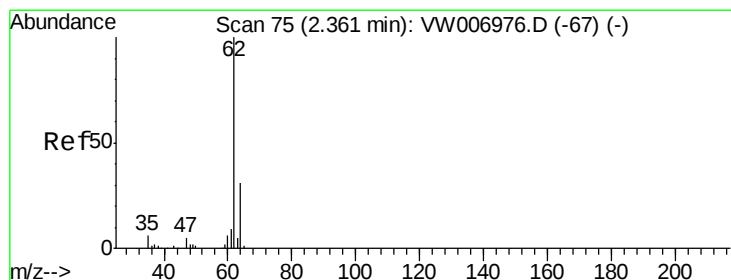
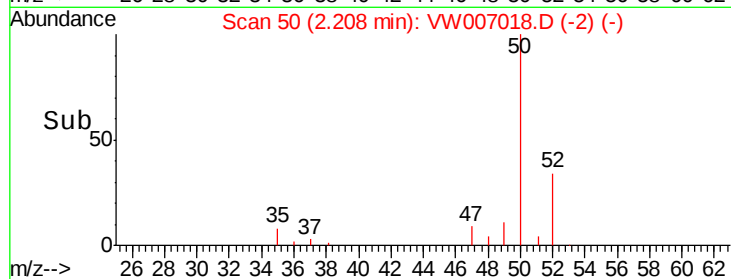
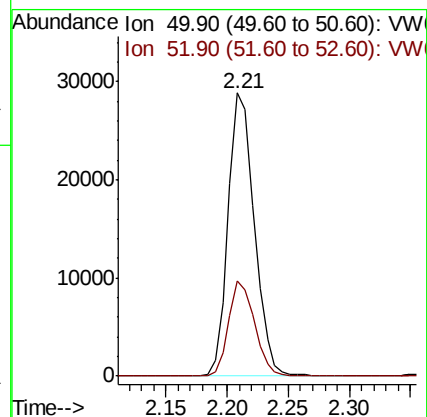
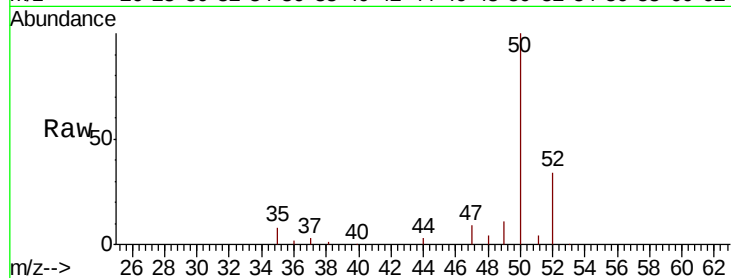
52 33.8 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.556 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007018.D

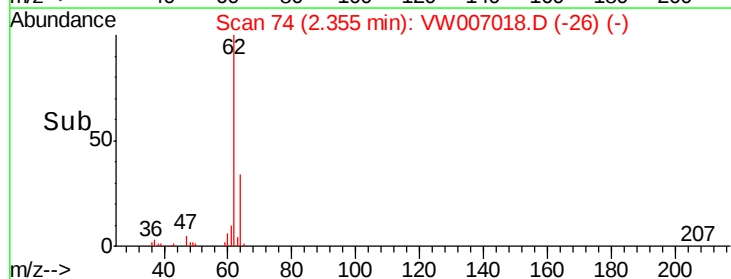
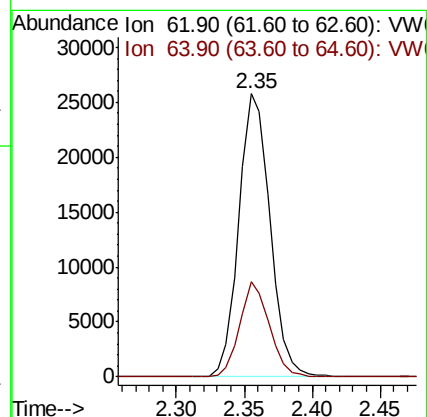
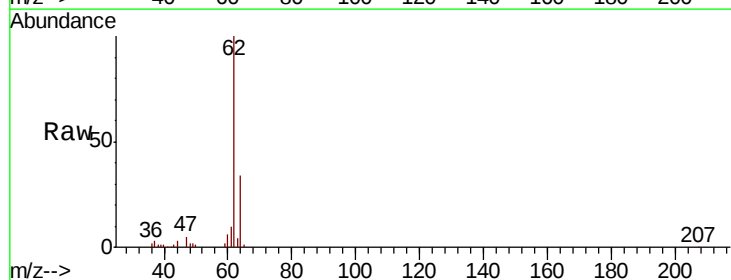
Acq: 22 Nov 2018 00:45

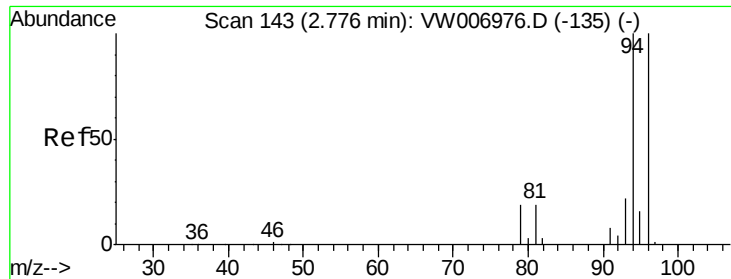
Tgt Ion: 62 Resp: 41317

Ion Ratio Lower Upper

62 100

64 33.6 25.2 37.8





#5

Bromomethane

Concen: 48.710 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 22588

Ion Ratio Lower Upper

94 100

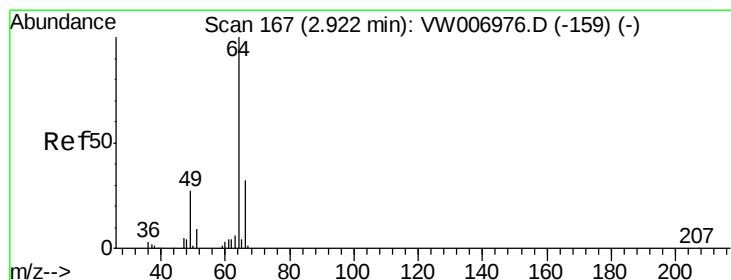
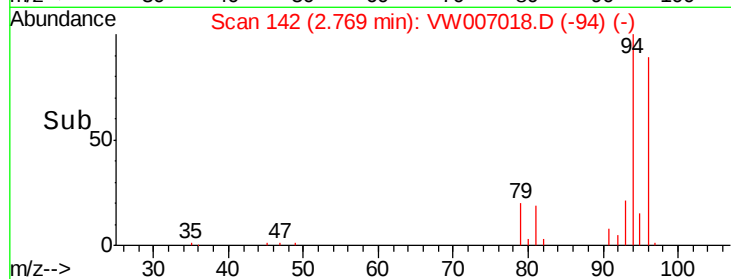
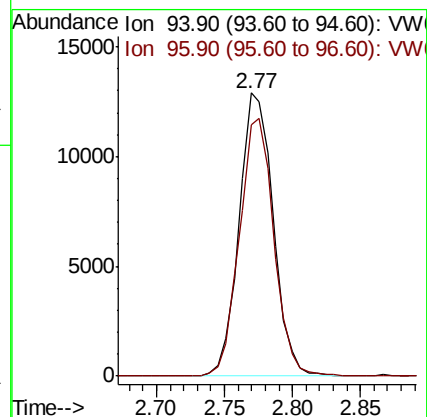
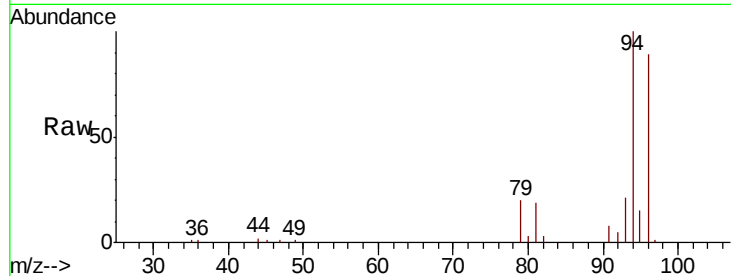
96 88.8 80.2 120.2

Manual Integrations

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#6

Chloroethane

Concen: 49.577 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW007018.D

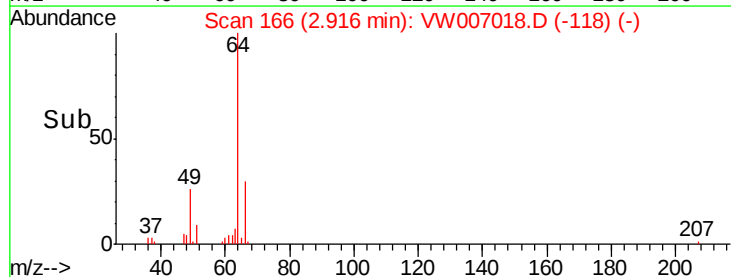
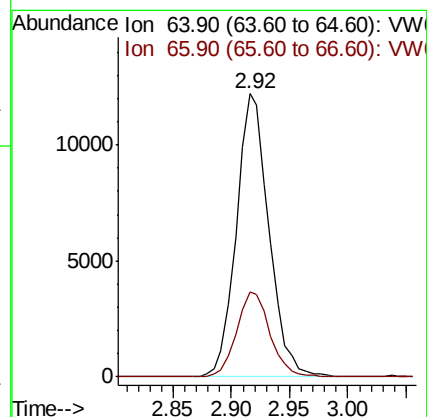
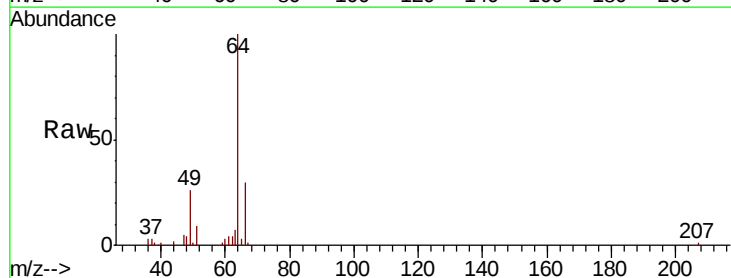
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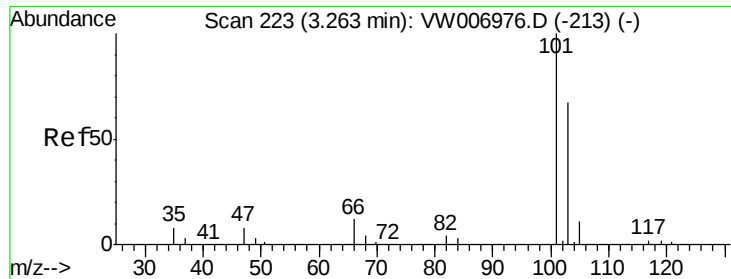
Tgt Ion: 64 Resp: 23744

Ion Ratio Lower Upper

64 100

66 30.2 25.3 37.9





#7

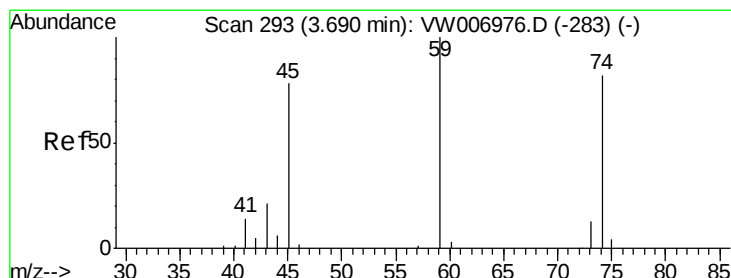
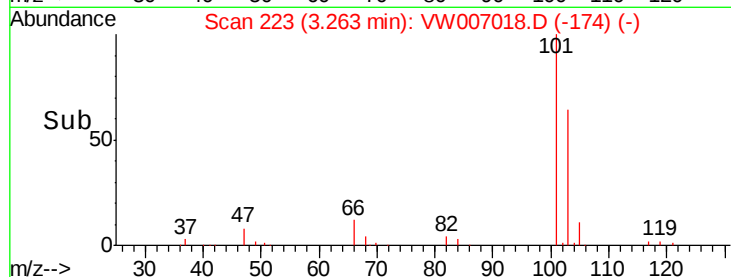
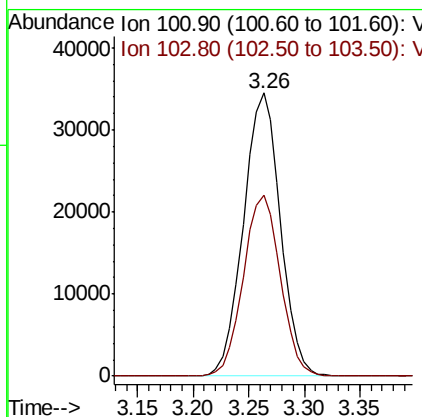
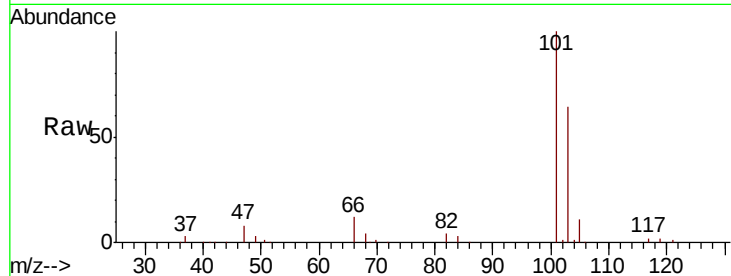
Trichlorofluoromethane
 Concen: 46.539 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.4	80.2

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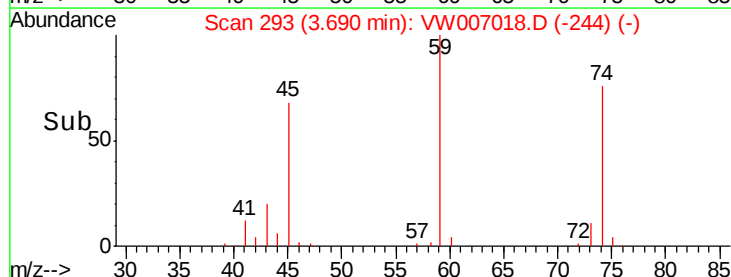
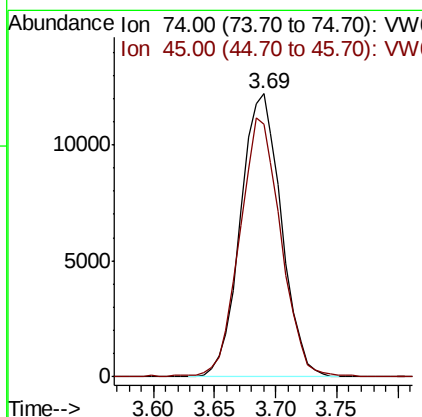
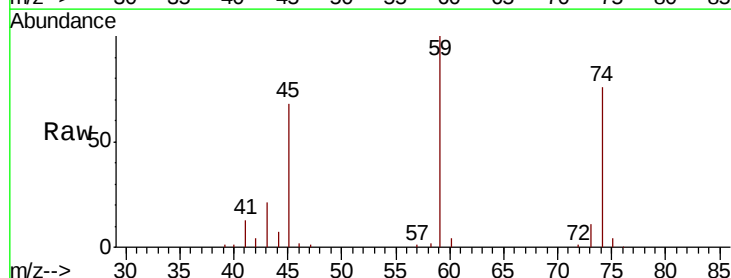
MMDadoda
 11/26/2018 1:04:51 PM



#8

Diethyl Ether
 Concen: 51.329 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.6	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.956 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

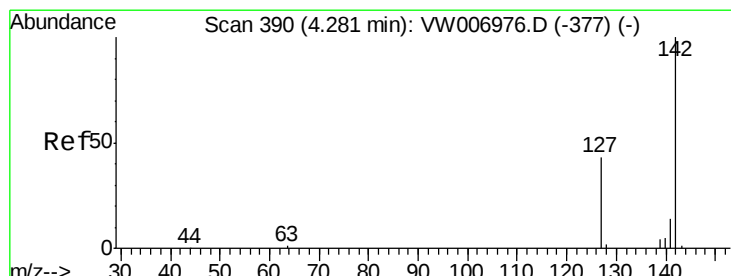
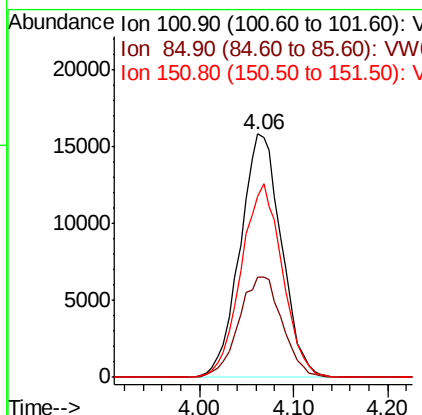
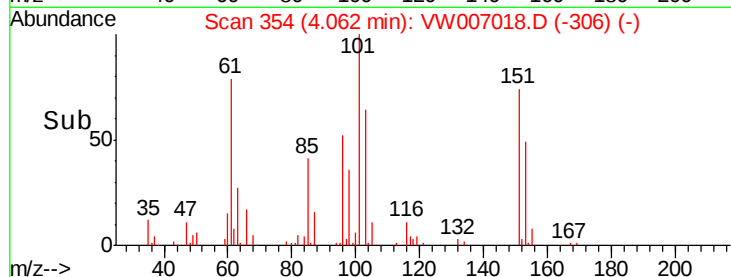
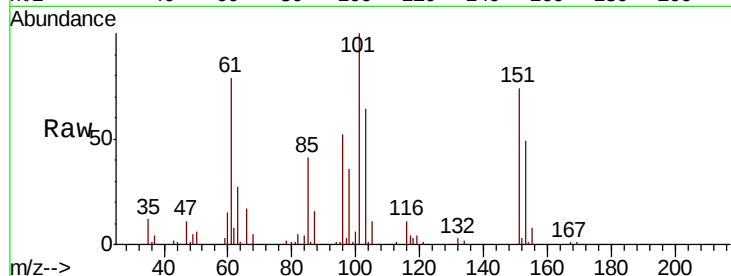
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	48684
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.3	51.5
151	79.2	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 52.461 ug/l

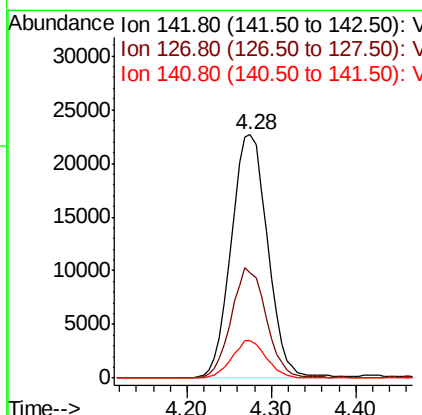
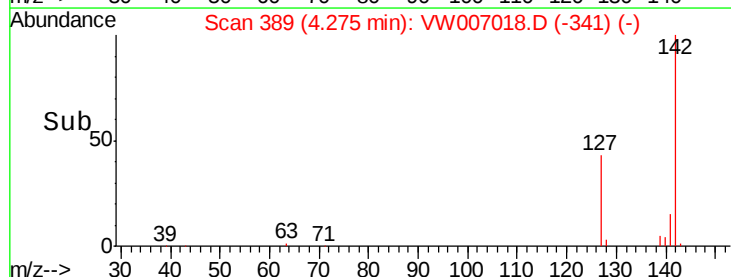
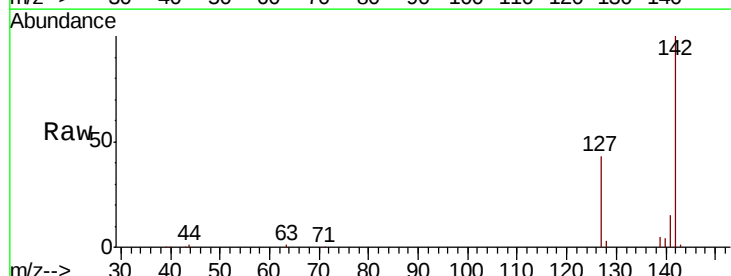
RT: 4.28 min Scan# 389

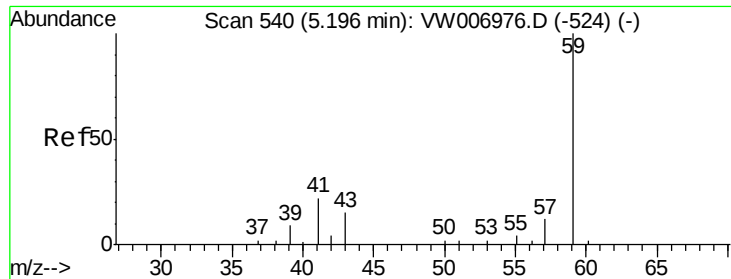
Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Tgt Ion:	142	Resp:	66514
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.3	52.9
141	14.4	11.7	17.5





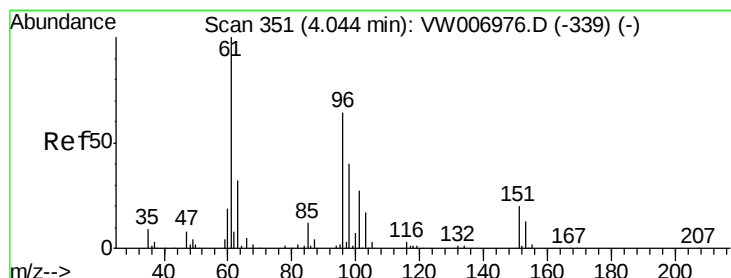
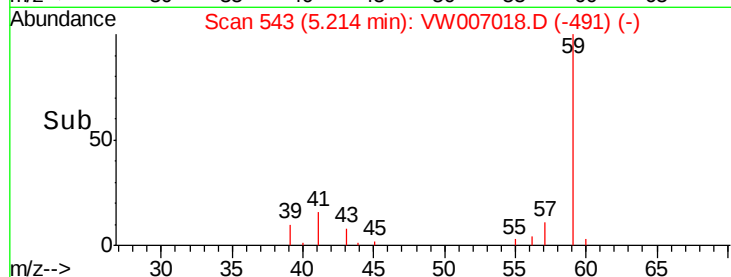
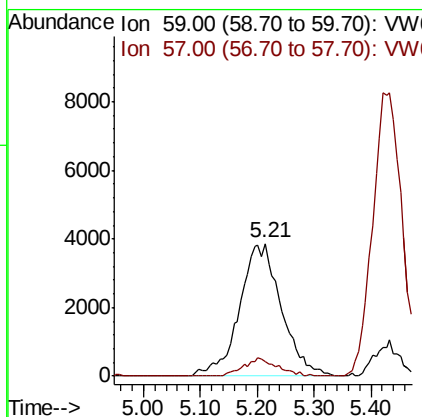
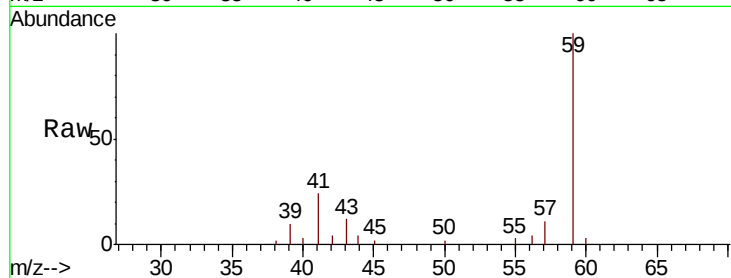
#11
Tert butyl alcohol
Concen: 289.322 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.02 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 19789
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0

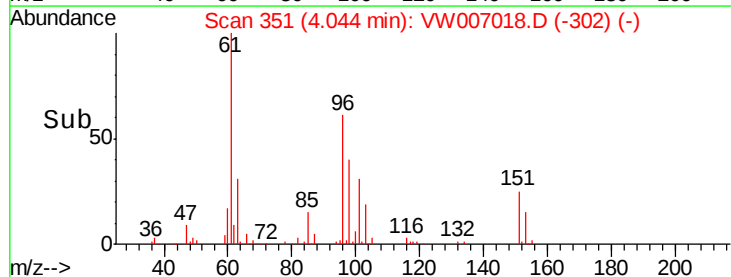
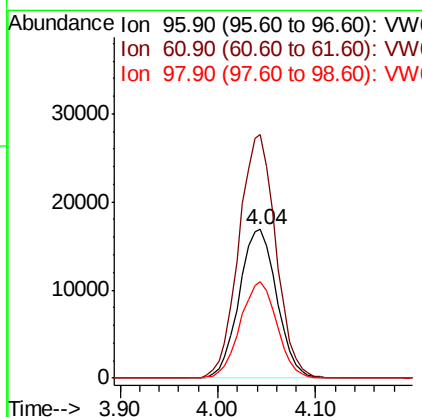
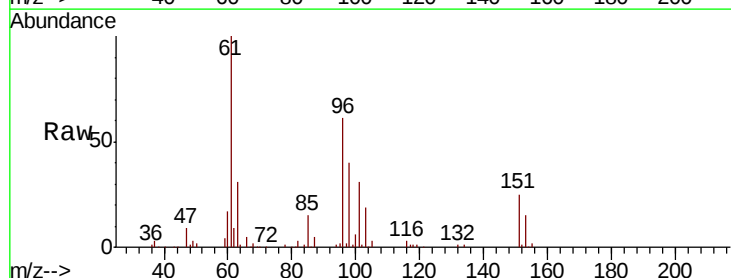
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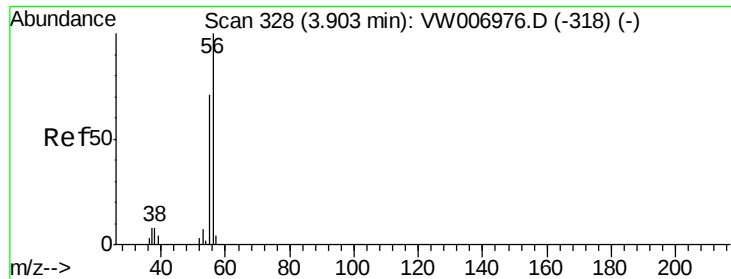
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.384 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 96 Resp: 45057
Ion Ratio Lower Upper
96 100
61 164.0 124.3 186.5
98 64.8 49.4 74.2





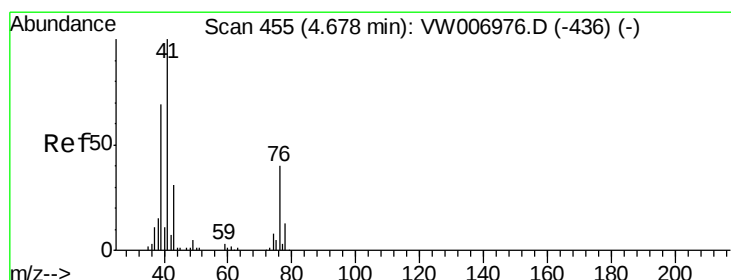
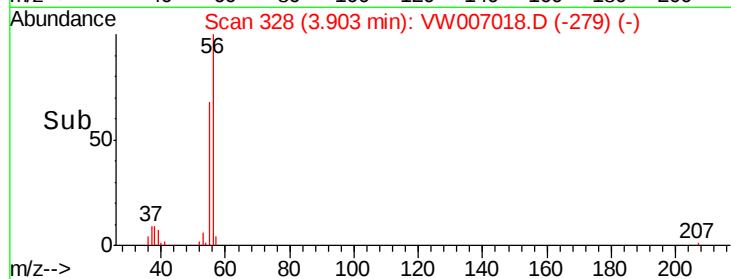
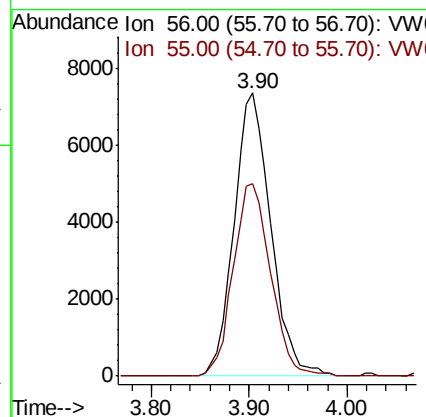
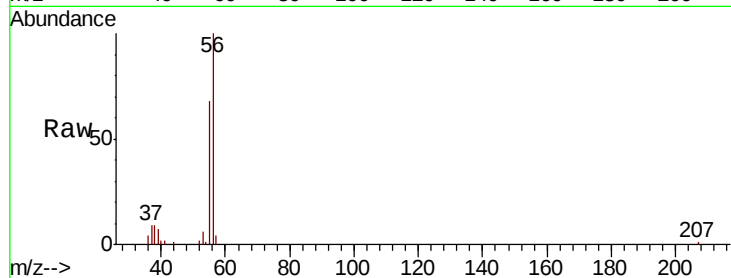
#13
Acrolein
Concen: 272.244 ug/l
RT: 3.90 min Scan# 328
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	57.5	86.3

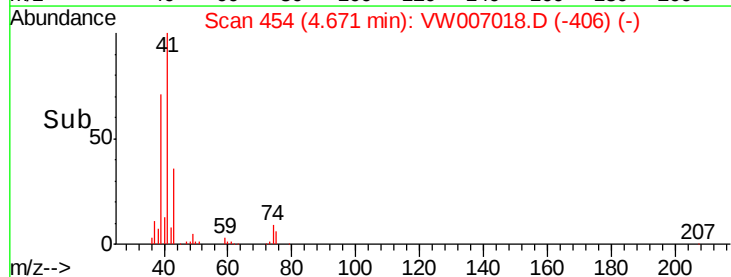
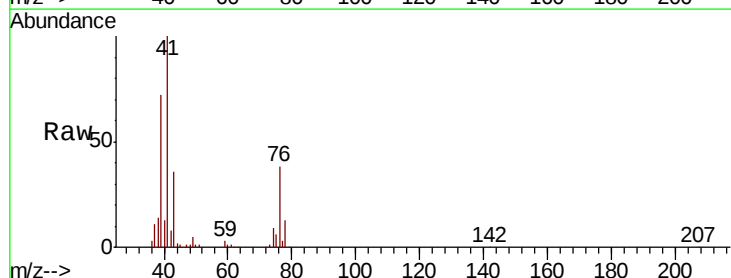
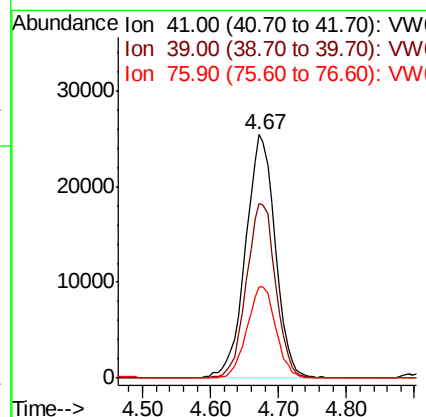
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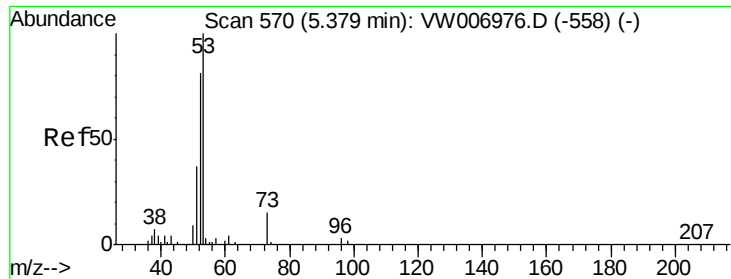
MMDadoda
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#14
Allyl chloride
Concen: 47.785 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.9	55.4	83.2
76	36.5	29.6	44.4





#15

Acrylonitrile

Concen: 287.044 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

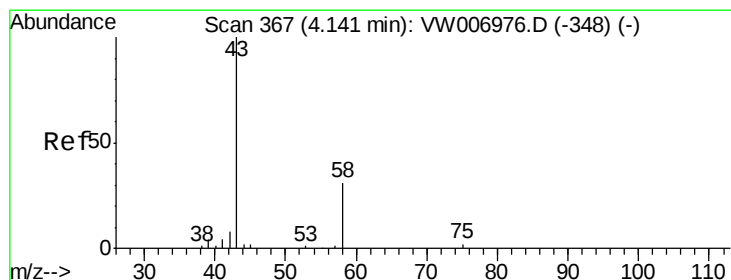
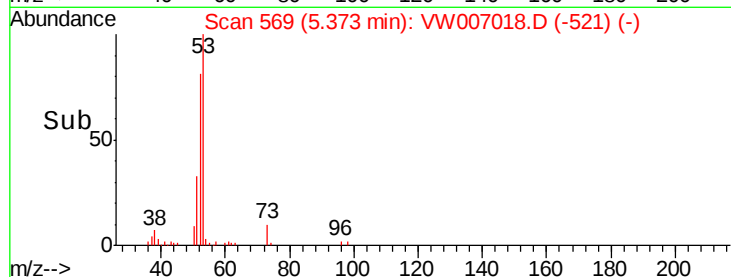
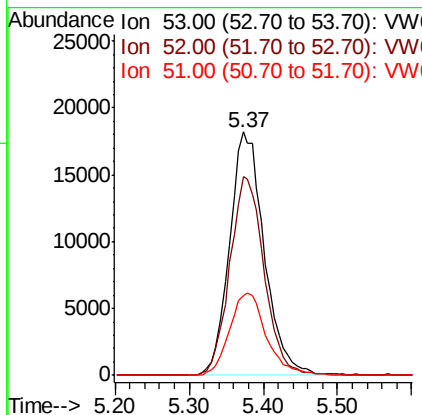
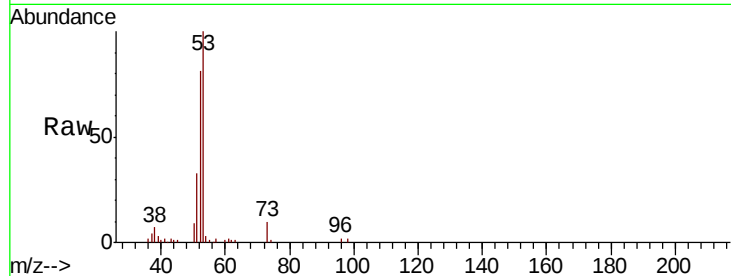
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	59389
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.7	98.5
51	36.0	29.9	44.9

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#16

Acetone

Concen: 278.637 ug/l

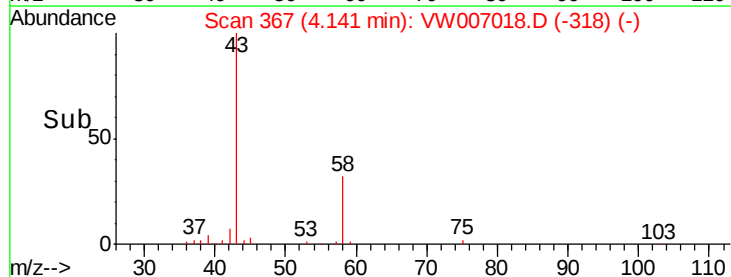
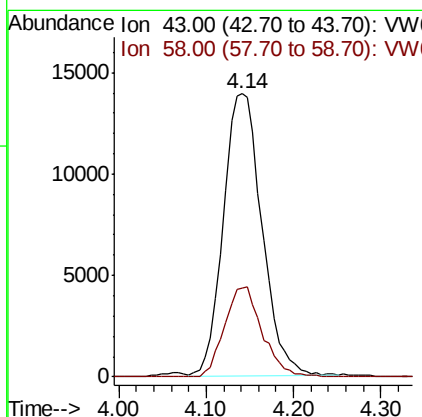
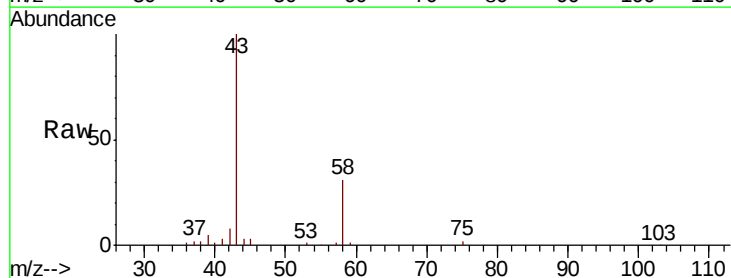
RT: 4.14 min Scan# 367

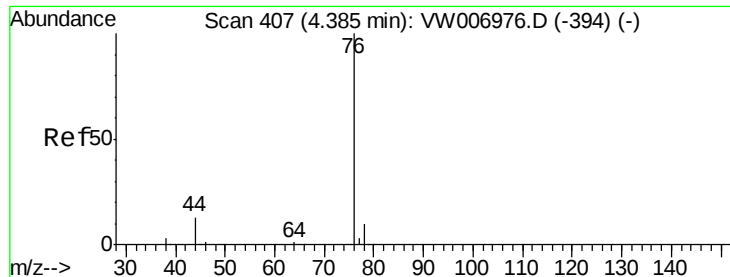
Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Tgt Ion:	43	Resp:	42505
Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.8	37.2





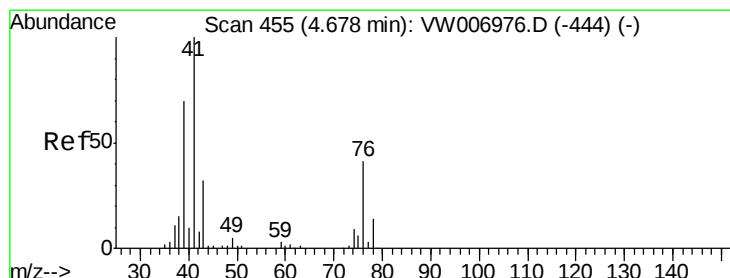
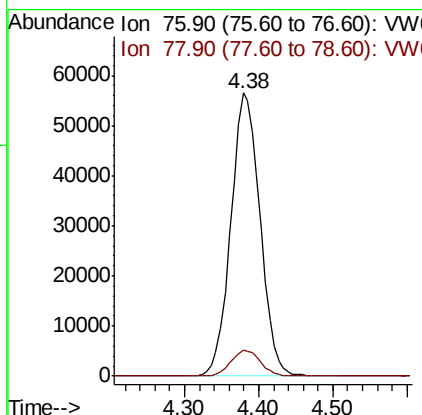
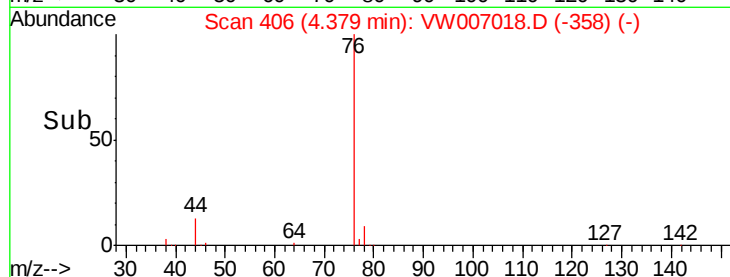
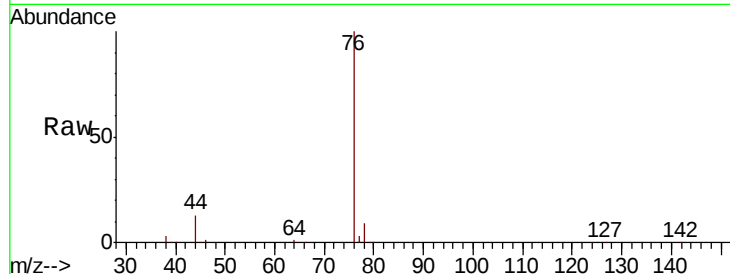
#17
Carbon Disulfide
Concen: 49.498 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 155450
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6

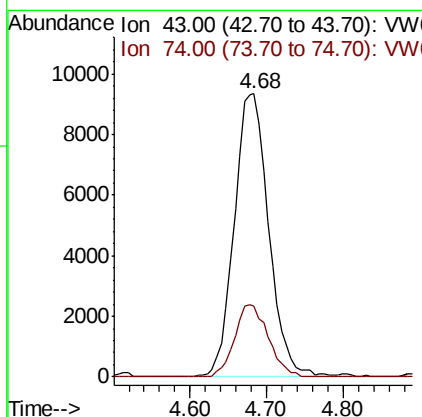
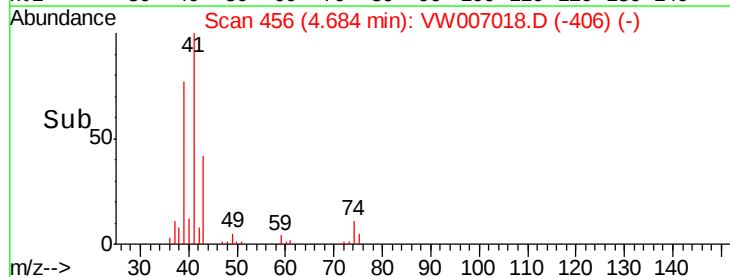
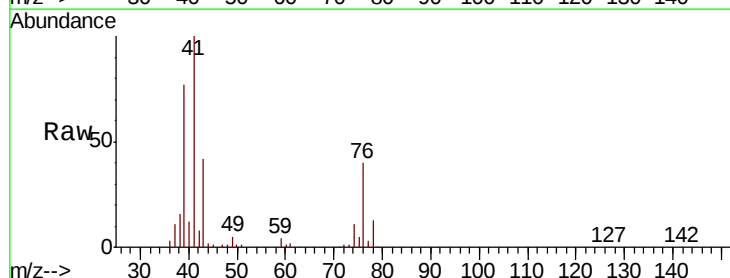
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#18
Methyl Acetate
Concen: 53.823 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 43 Resp: 29239
Ion Ratio Lower Upper
43 100
74 24.8 20.1 30.1





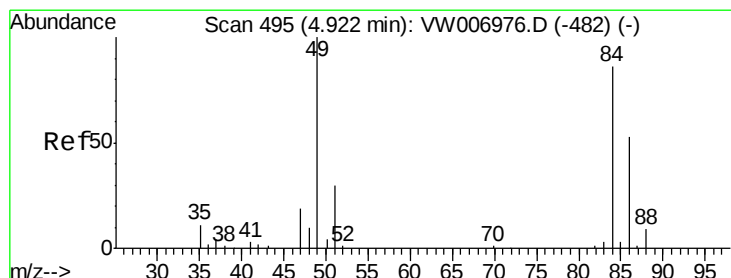
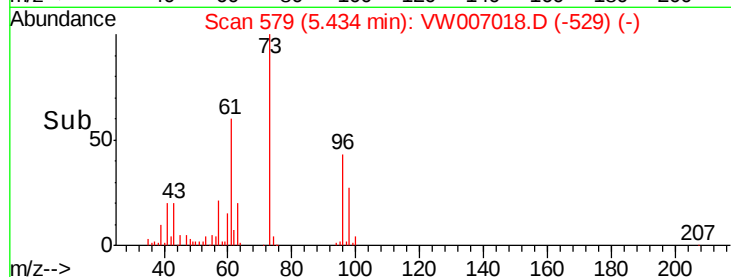
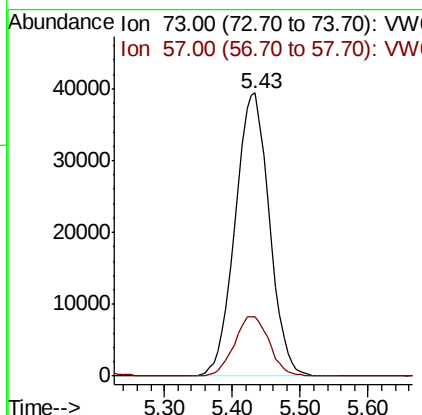
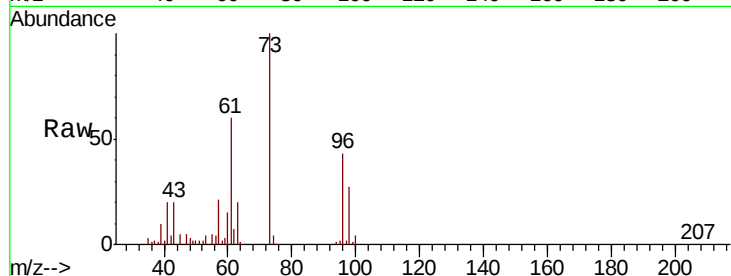
#19
Methvl tert-butvl Ether
Concen: 54.262 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 137628
Ion Ratio Lower Upper
73 100
57 20.9 16.7 25.1

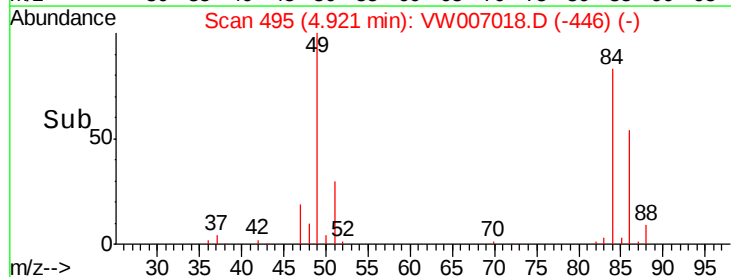
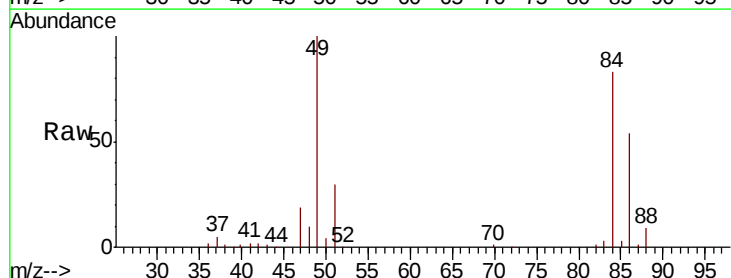
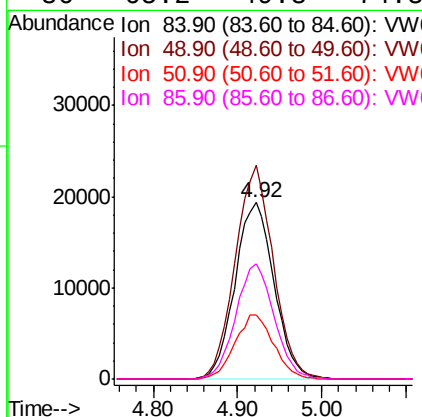
Manual Integrations
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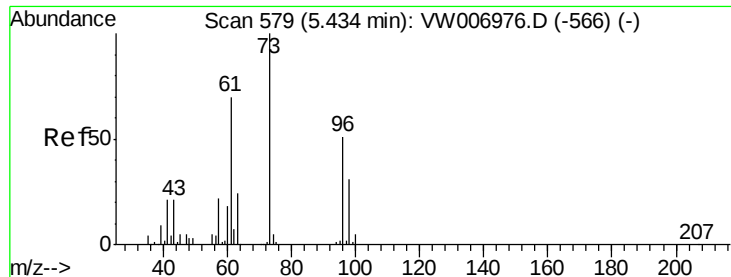
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#20
Methylene Chloride
Concen: 50.112 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 84 Resp: 60906
Ion Ratio Lower Upper
84 100
49 120.9 93.4 140.0
51 36.1 28.4 42.6
86 65.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.835 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

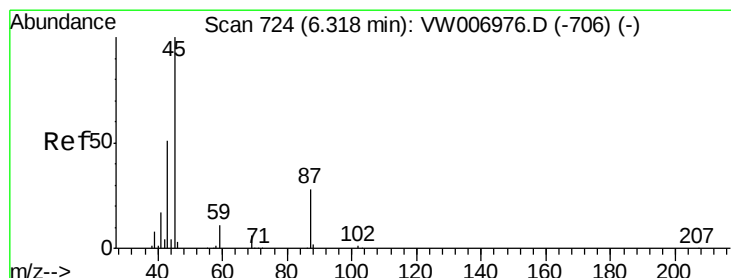
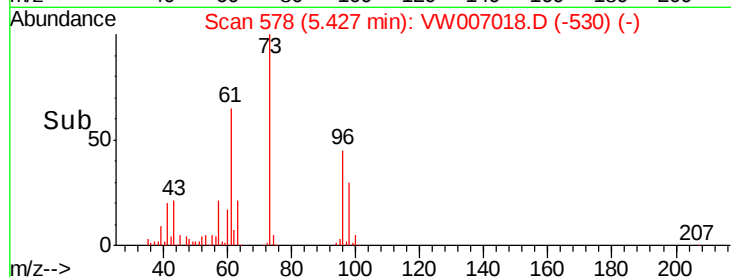
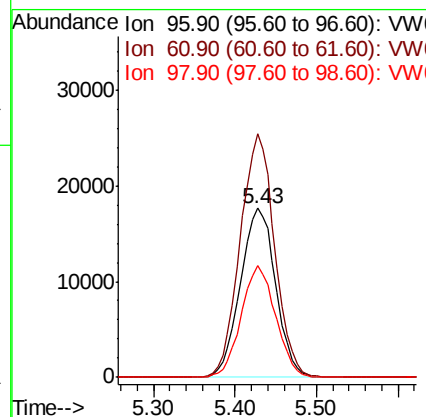
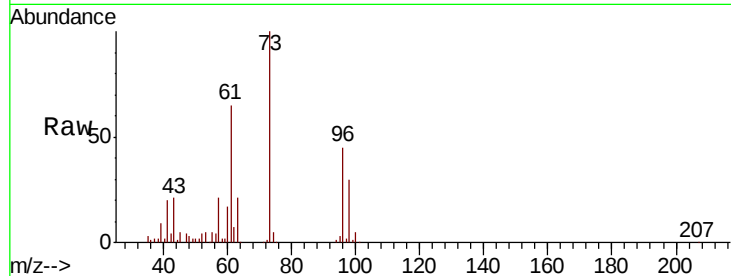
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	52997
Ion	Ratio	Lower	Upper
96	100		
61	143.8	109.4	164.0
98	65.8	48.3	72.5

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#22

Diisopropyl ether

Concen: 50.217 ug/l

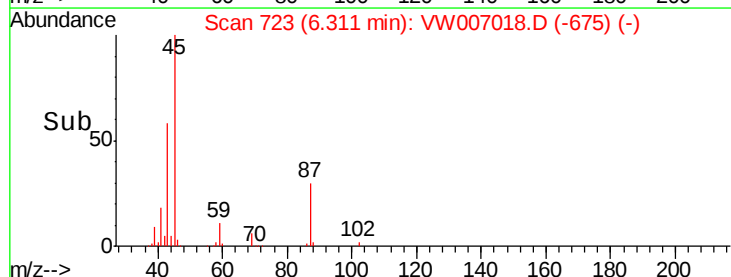
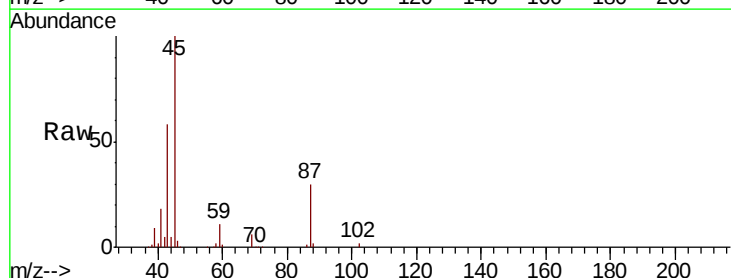
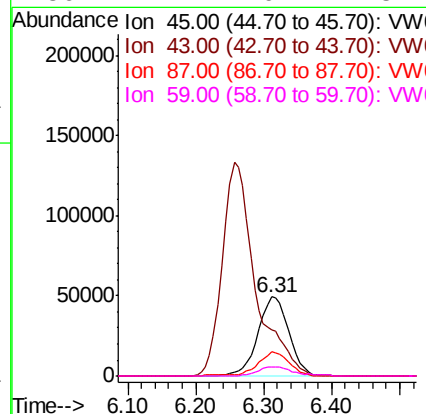
RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Tgt Ion:	45	Resp:	157477
Ion	Ratio	Lower	Upper
45	100		
43	57.8	42.5	63.7
87	30.2	22.8	34.2
59	11.1	9.1	13.7





#23

Vinyl Acetate

Concen: 271.221 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 451669

Ion Ratio Lower Upper

43 100

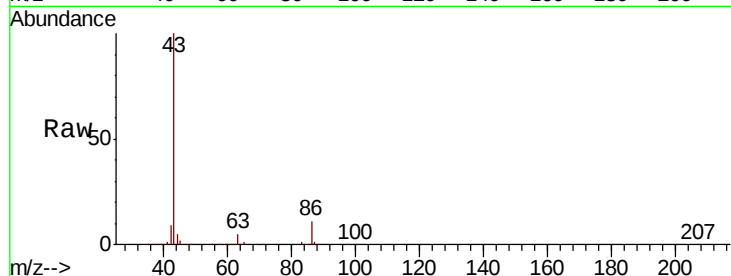
86 10.8 8.7 13.1

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

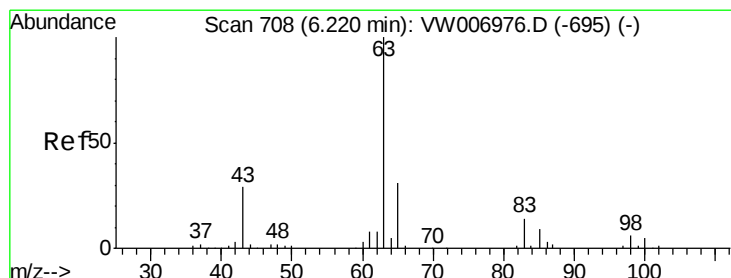
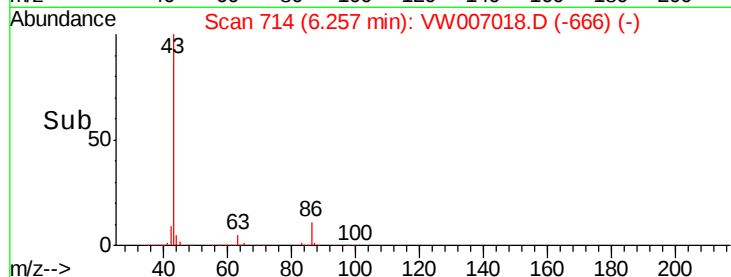
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.341 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

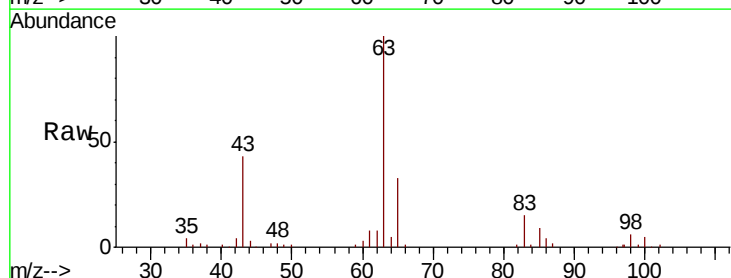
Tgt Ion: 63 Resp: 92223

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.6 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

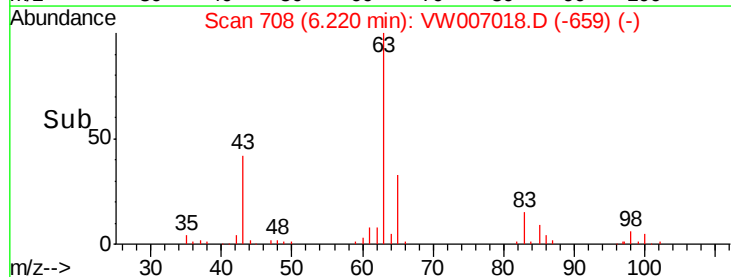
30000

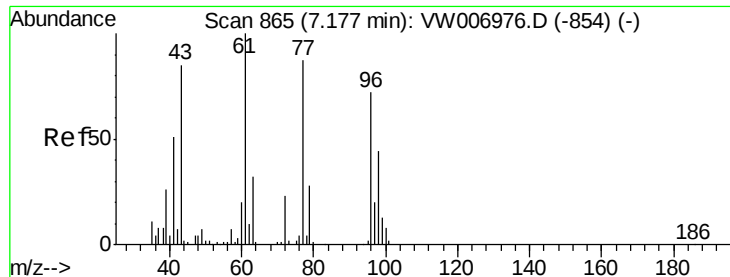
20000

10000

0

Time-->





#25

2-Butanone

Concen: 277.992 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 72631

Ion Ratio Lower Upper

43 100

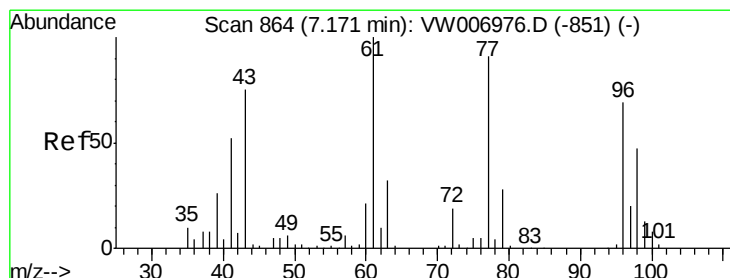
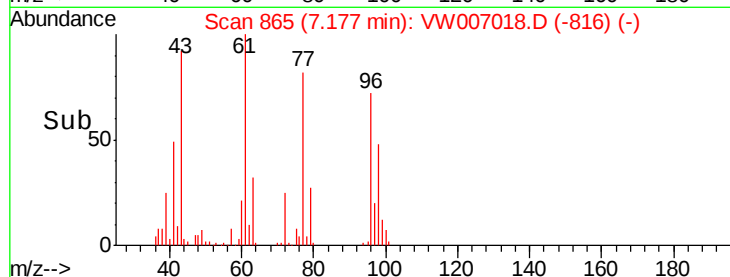
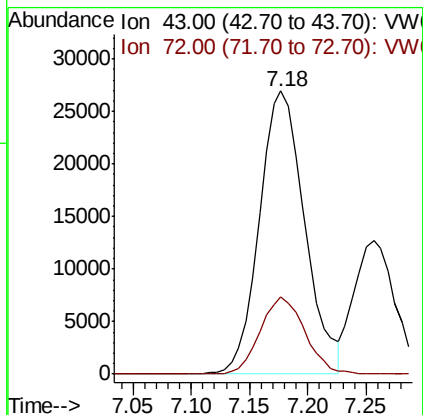
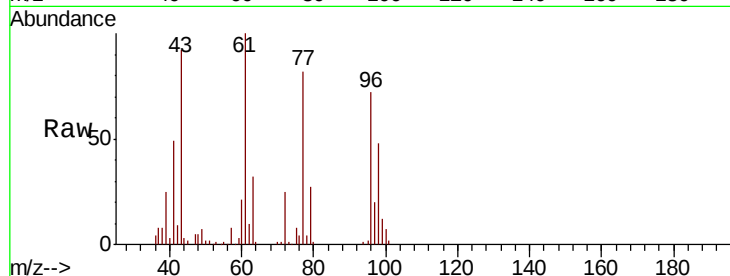
72 27.4 21.3 31.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.211 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007018.D

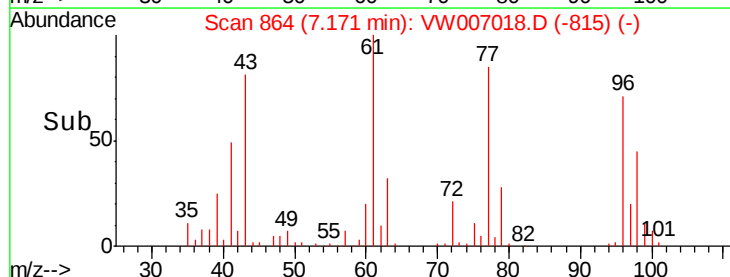
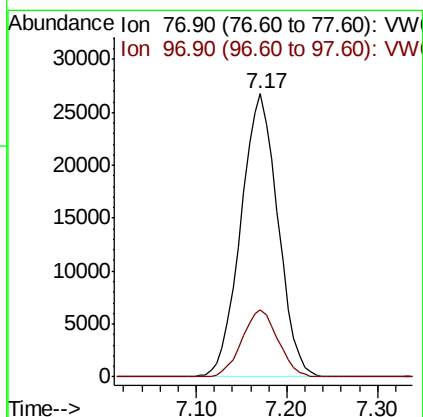
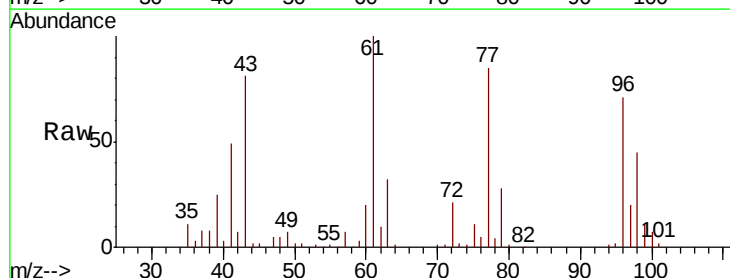
Acq: 22 Nov 2018 00:45

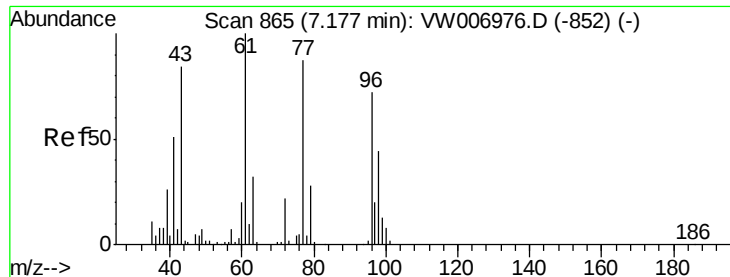
Tgt Ion: 77 Resp: 75847

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1





#27

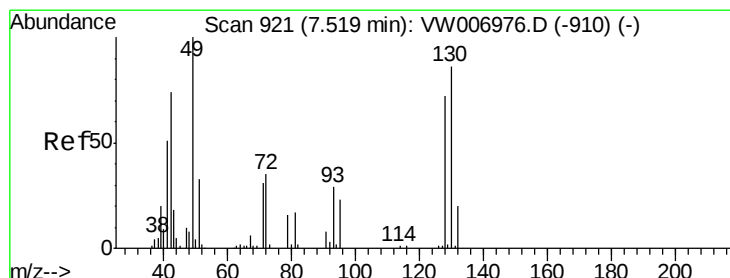
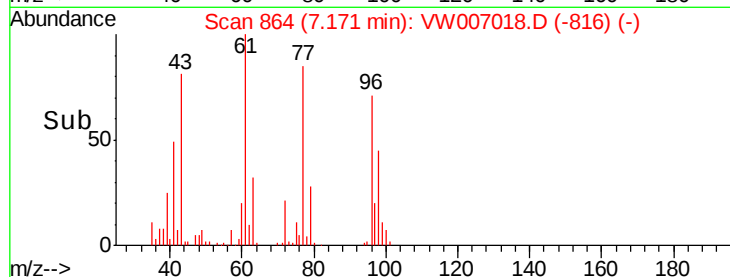
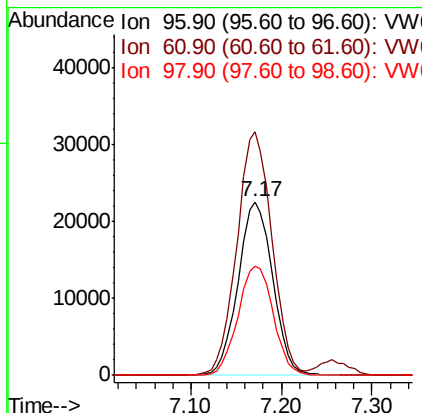
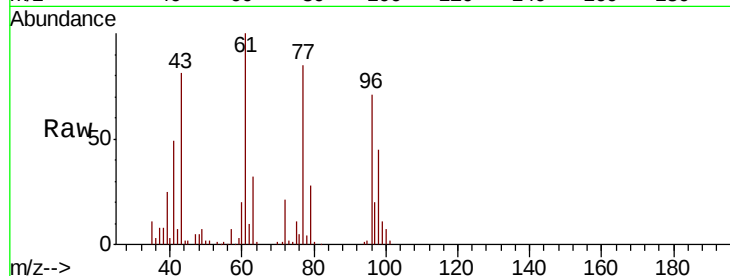
cis-1,2-Dichloroethene
Concen: 49.452 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59590		
61	142.4		0.0	292.6
98	63.8		0.0	129.8

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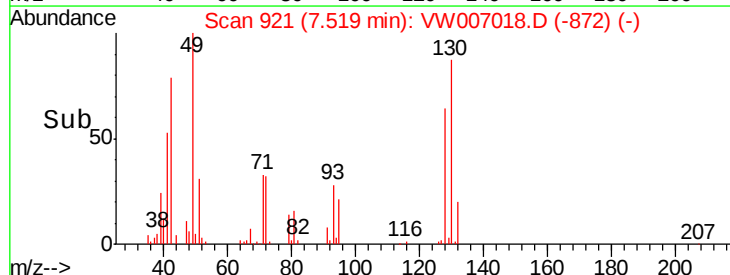
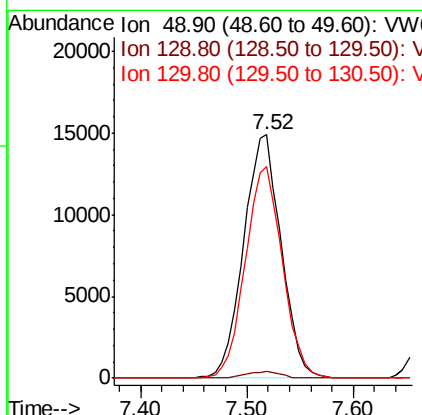
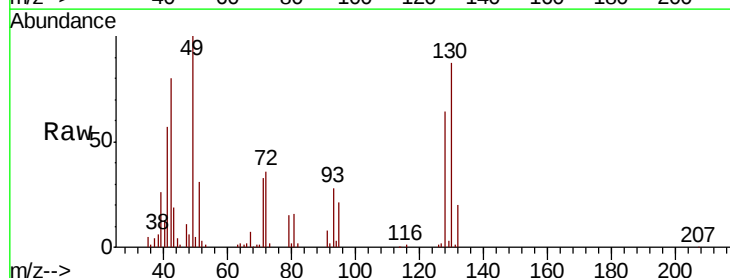
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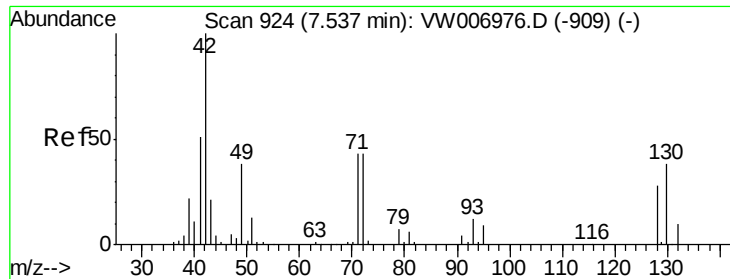


#28

Bromochloromethane
Concen: 51.725 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36881		
129	2.5		0.0	2.0#
130	85.7		69.0	103.4





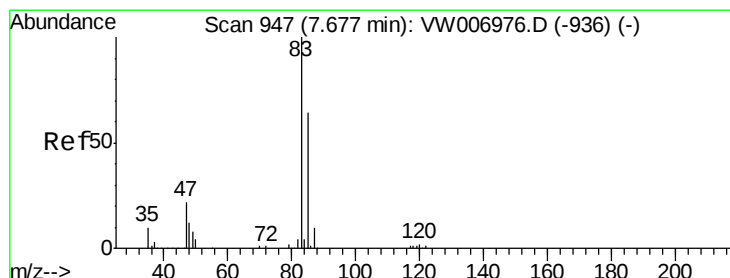
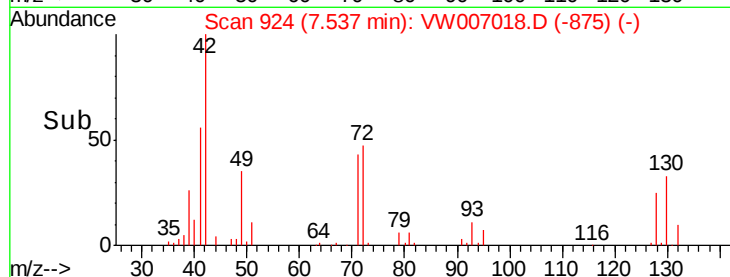
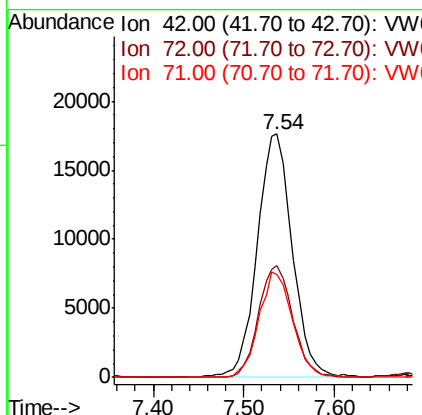
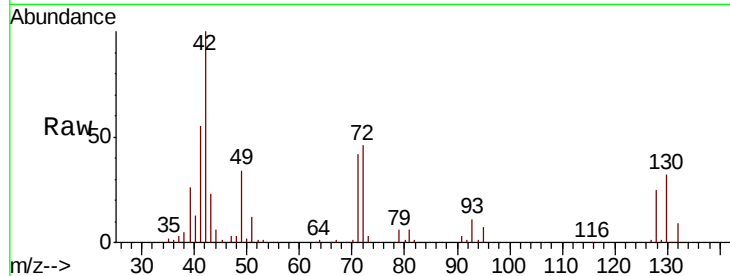
#29
Tetrahydrofuran
Concen: 278.823 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.2	54.4
71	41.5	33.8	50.8

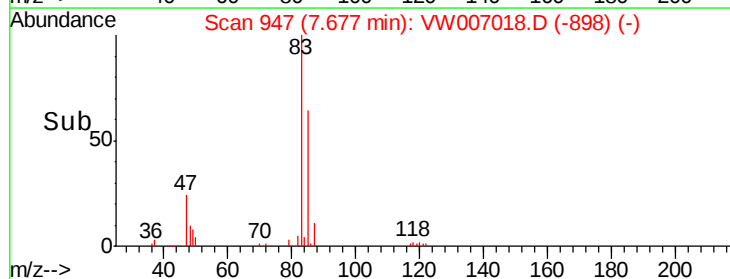
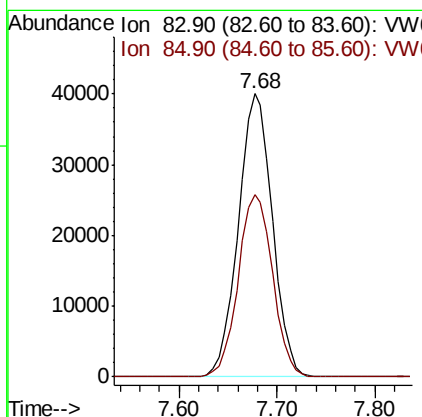
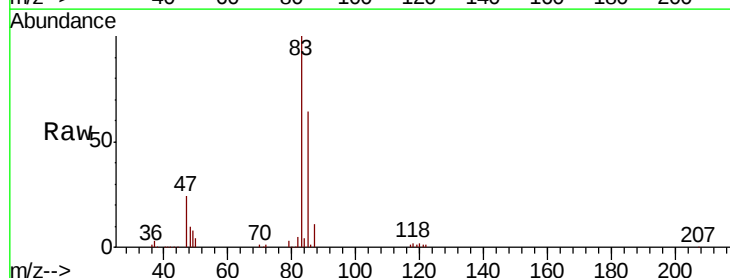
Manual Integrations
APPROVED

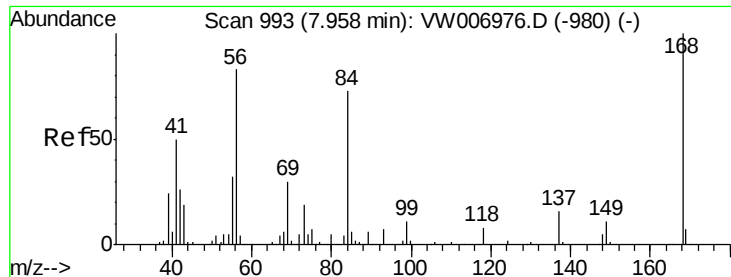
MMDadoda
11/26/2018 1:04:51 PM



#30
Chloroform
Concen: 47.597 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.9	76.3





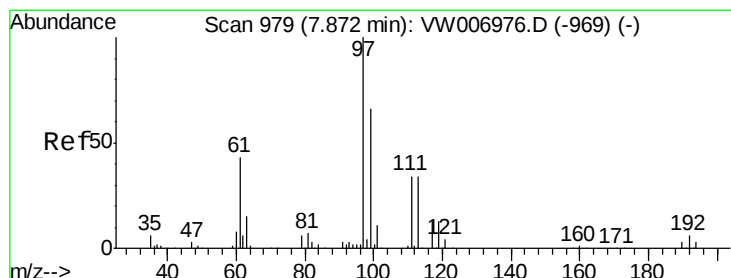
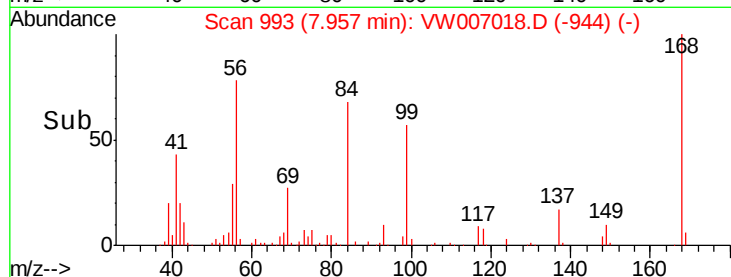
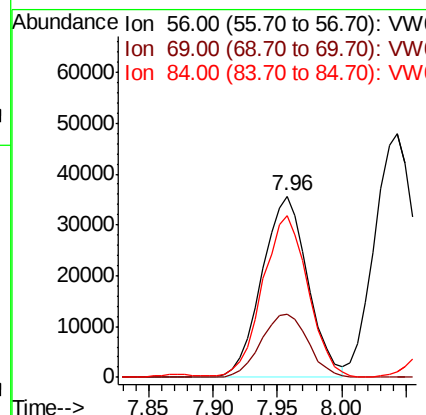
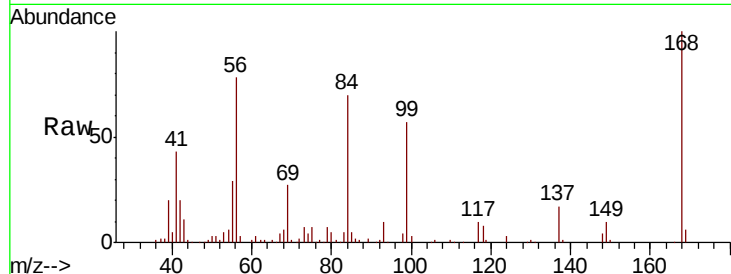
#31
Cyclohexane
Concen: 43.325 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	29.1	43.7
84	87.7	70.6	105.8

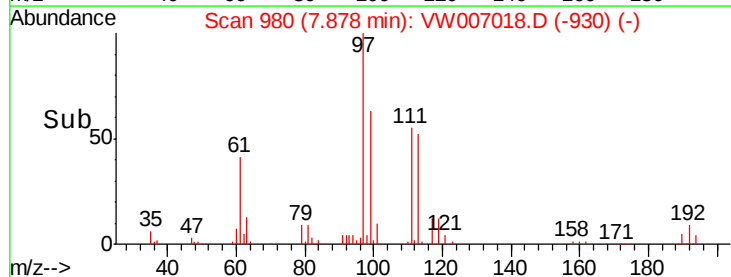
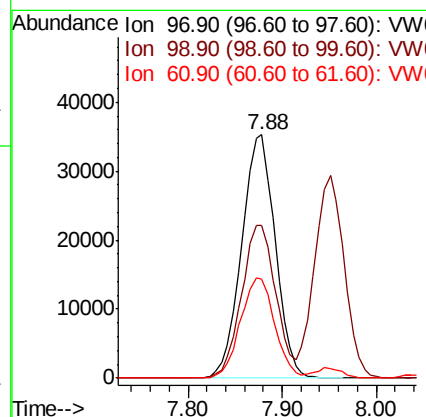
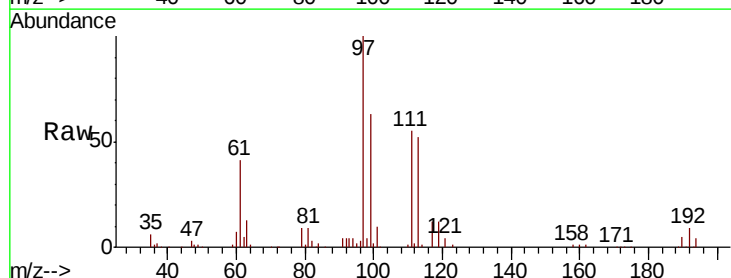
Manual Integrations
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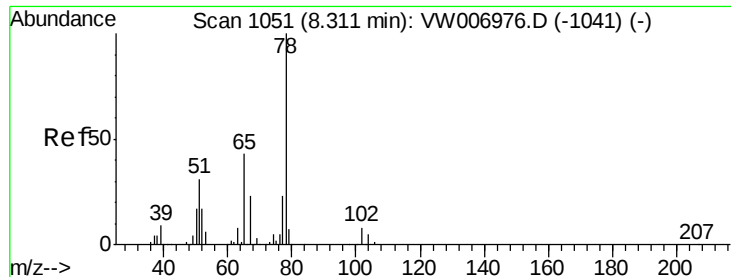
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#32
1,1,1-Trichloroethane
Concen: 47.952 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.9	77.9
61	41.8	33.4	50.2





#33

1,2-Dichloroethane-d4

Concen: 53.482 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 56192

Ion Ratio Lower Upper

65 100

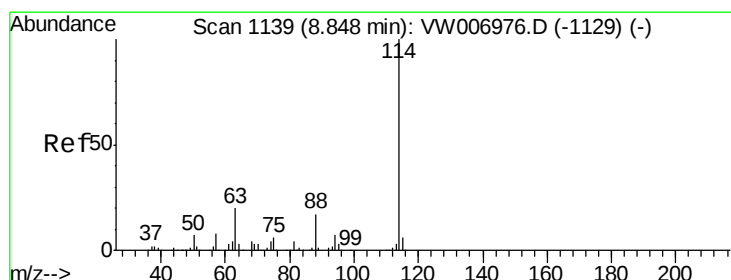
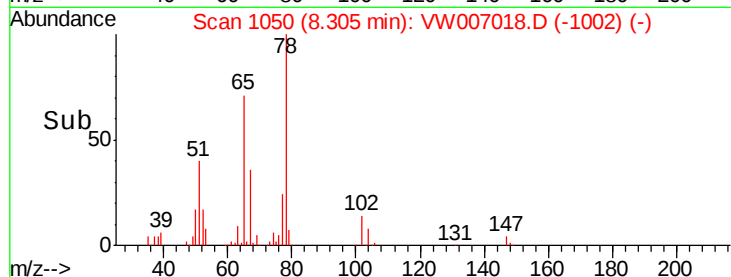
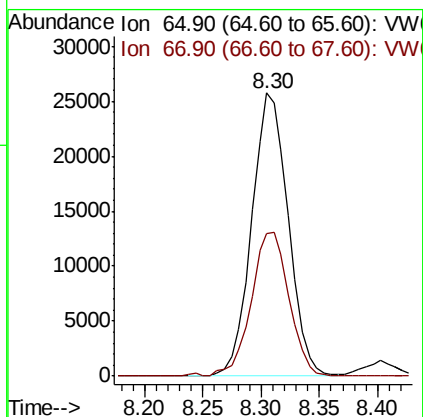
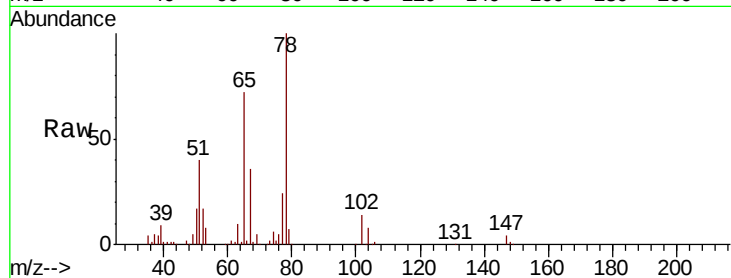
67 52.7 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

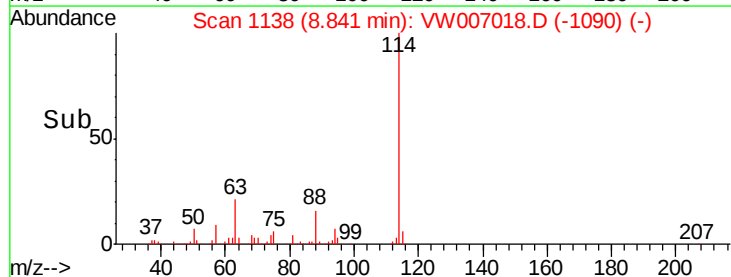
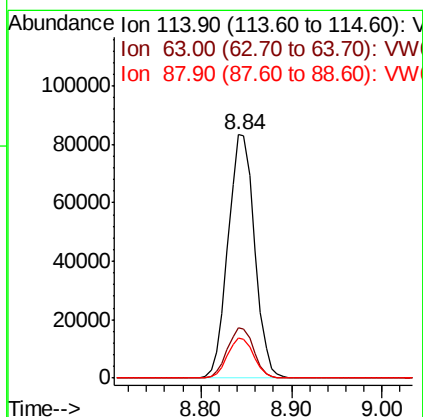
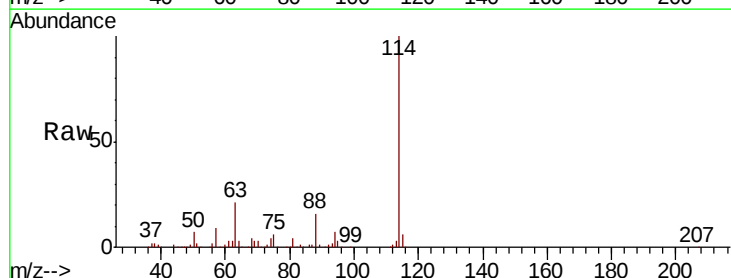
Tgt Ion: 114 Resp: 169082

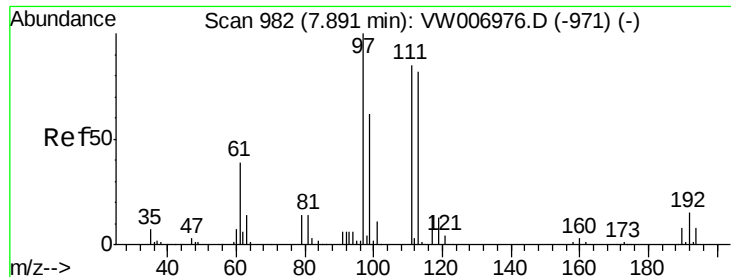
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.4

88 16.5 0.0 34.2





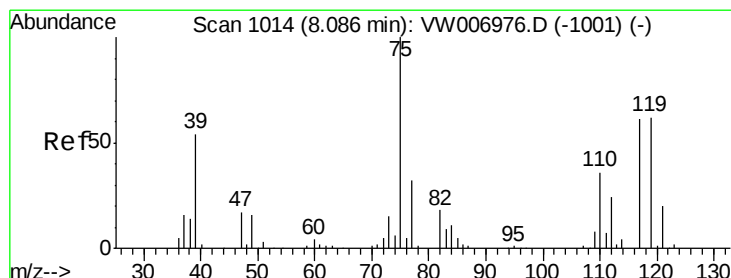
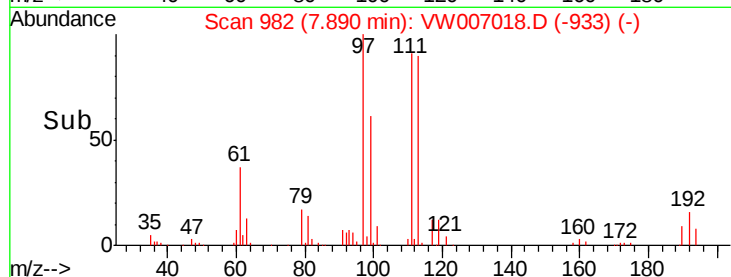
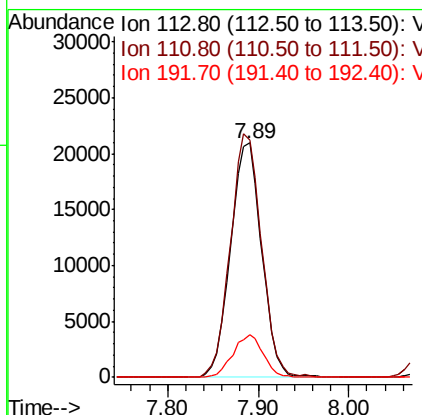
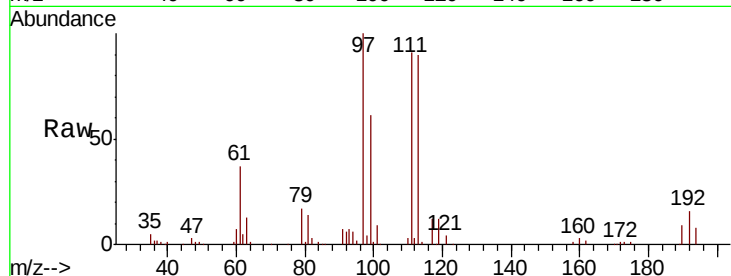
#35
 Dibromofluoromethane
 Concen: 52.211 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.6
192	17.7	15.0	22.6

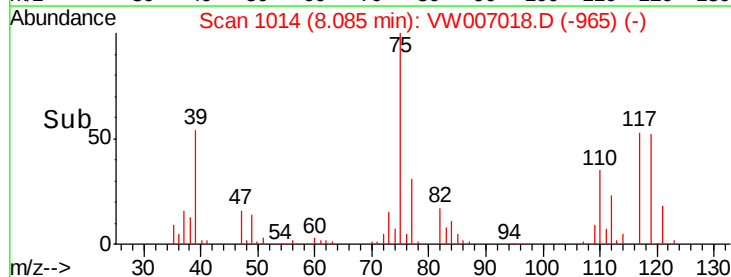
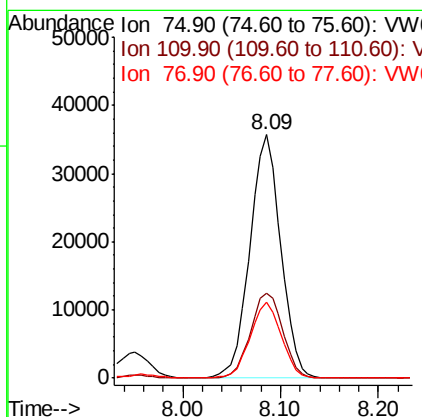
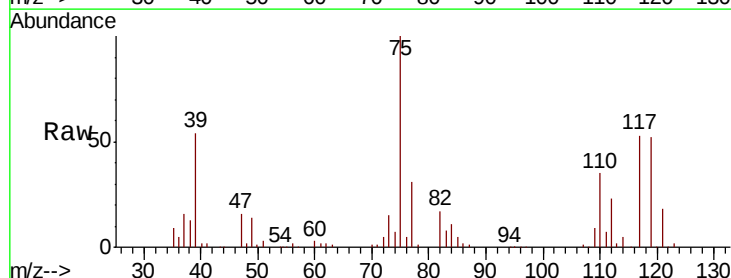
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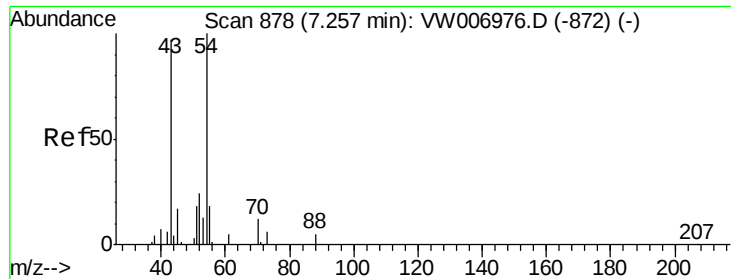
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#36
 1,1-Dichloropropene
 Concen: 47.386 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.0	54.0
77	31.3	24.9	37.3





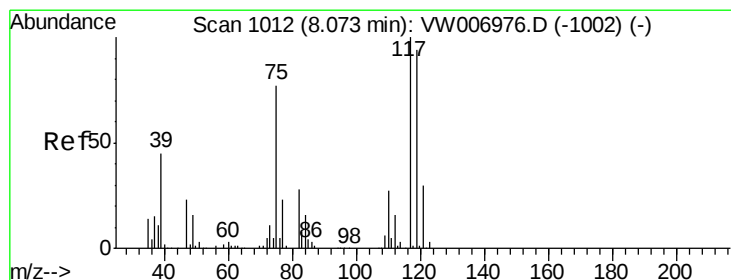
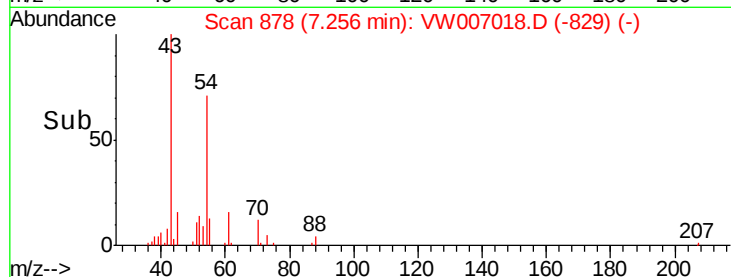
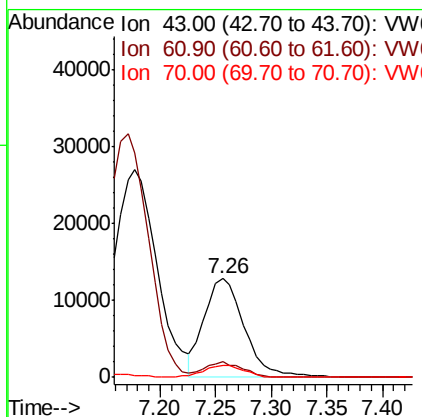
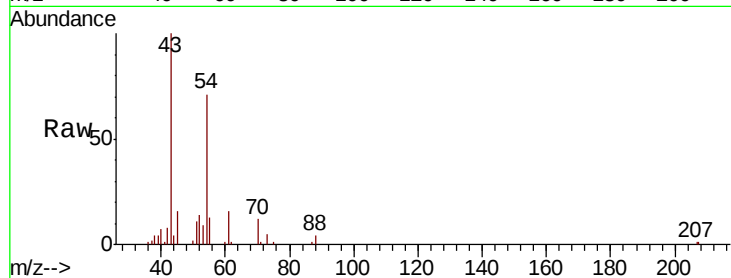
#37
Ethyl Acetate
Concen: 53.507 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.4	15.6
70	12.3	8.8	13.2

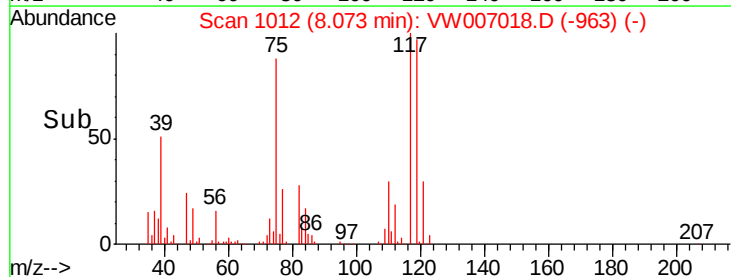
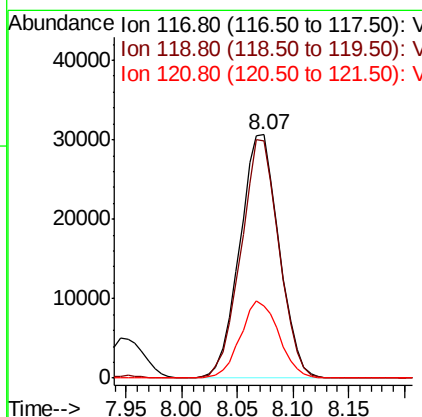
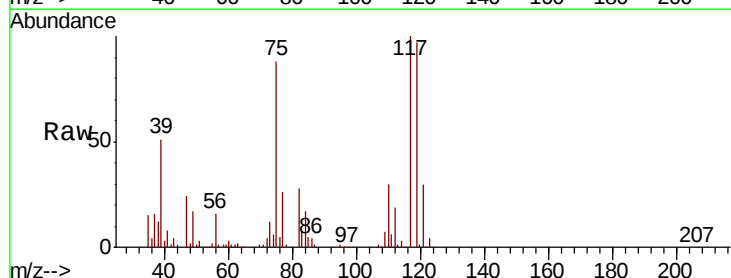
Manual Integrations
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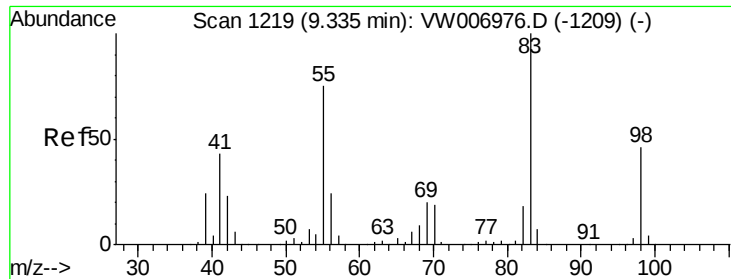
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#38
Carbon Tetrachloride
Concen: 47.314 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	74.9	112.3
121	29.5	23.6	35.4





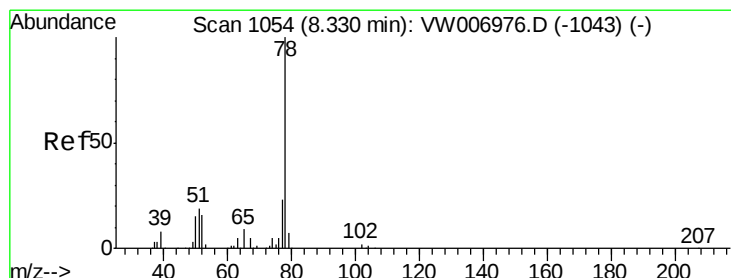
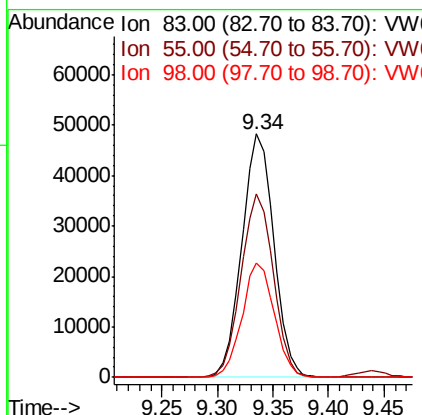
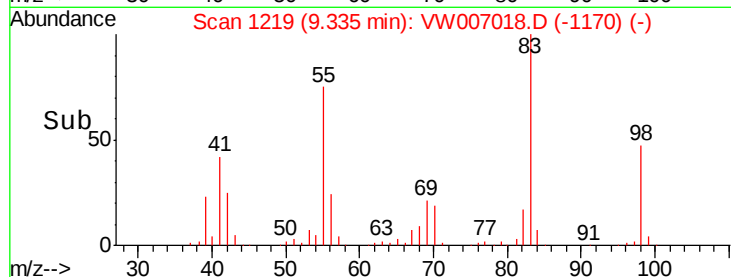
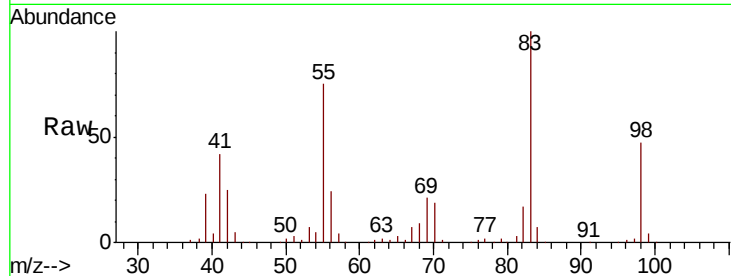
#39
Methvlcvclohexane
Concen: 46.682 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.6	89.4
98	47.0	37.1	55.7

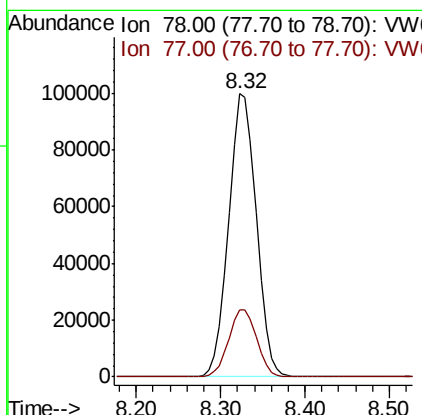
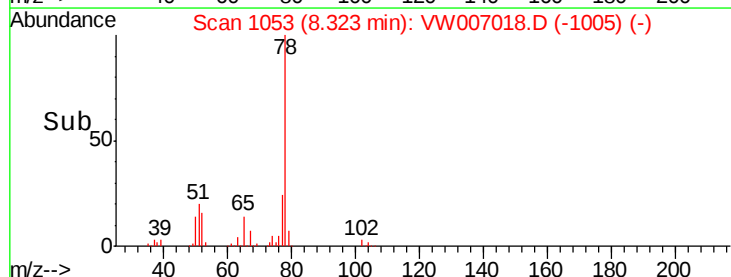
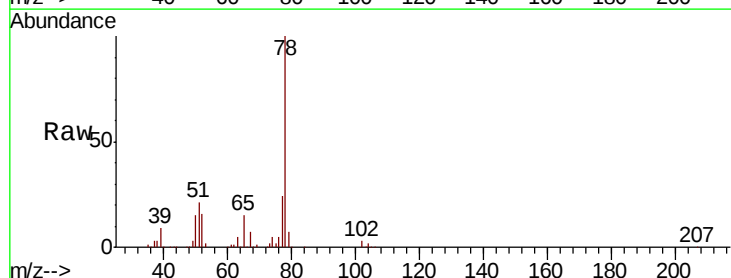
Manual Integrations
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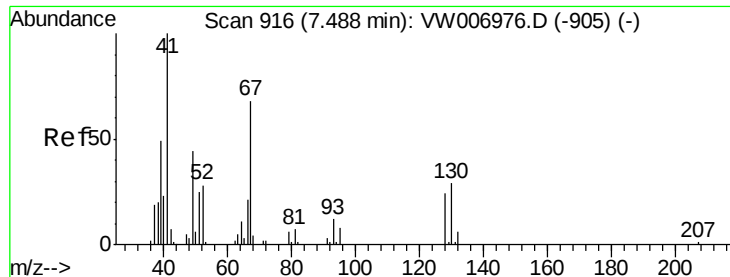
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#40
Benzene
Concen: 49.750 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





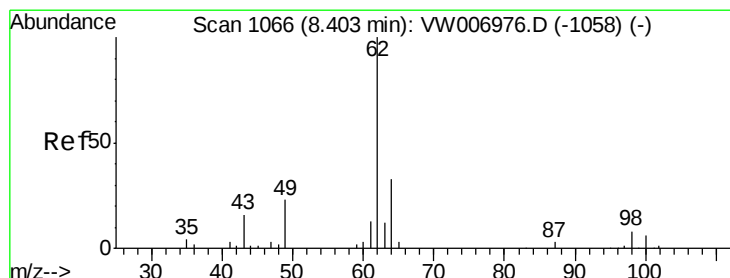
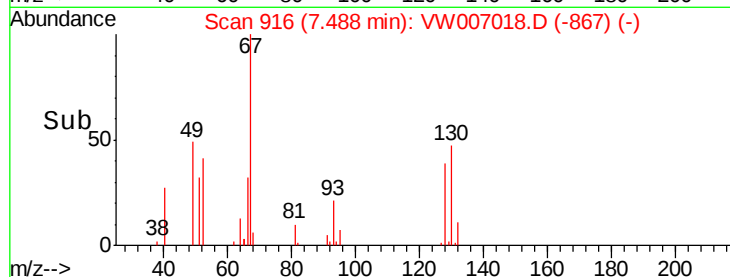
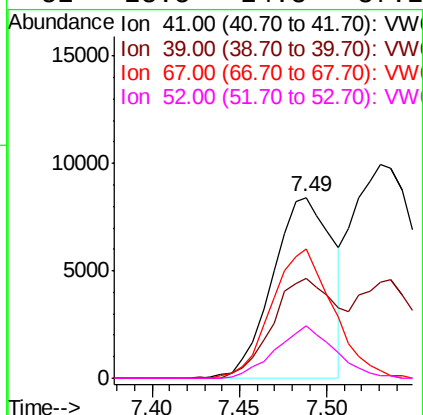
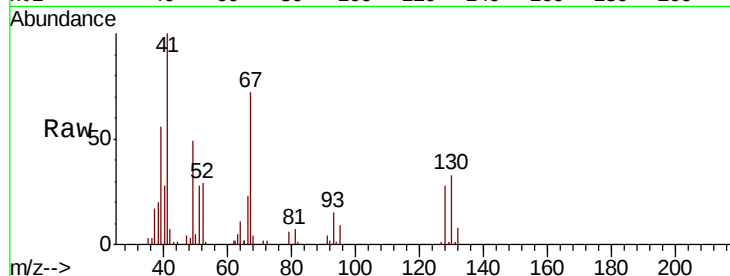
#41
Methacrylonitrile
Concen: 54.269 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	20179
Ion	Ratio	Lower	Upper
41	100		
39	61.2	48.6	73.0
67	73.3	59.8	89.8
52	28.5	24.8	37.2

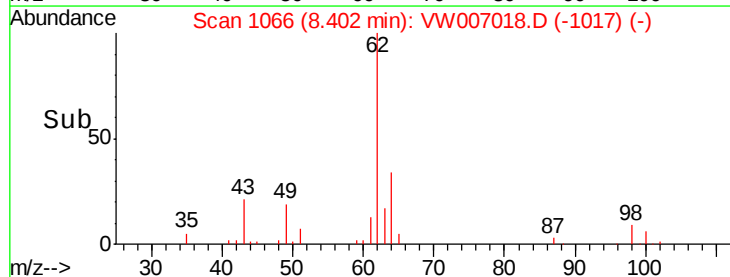
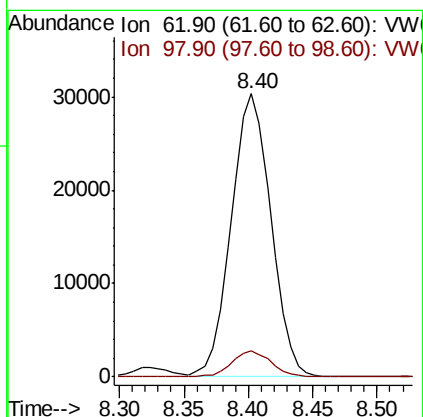
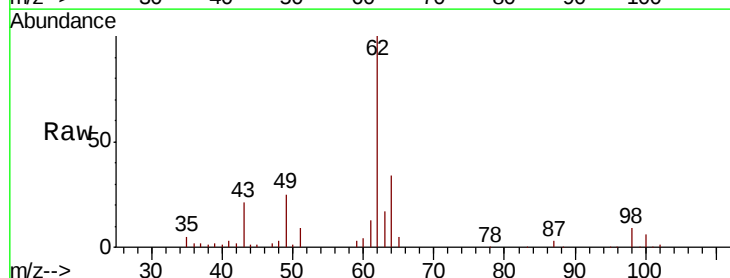
Manual Integrations
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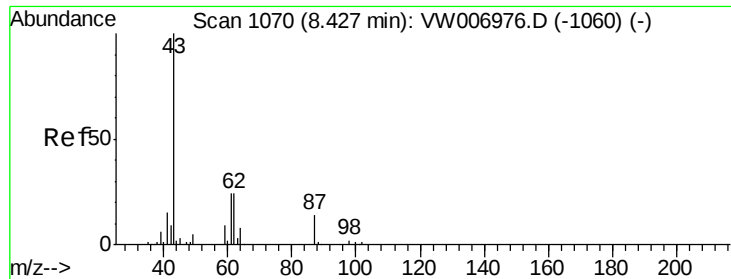
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#42
1,2-Dichloroethane
Concen: 50.116 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	62	Resp	64895
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 56.605 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

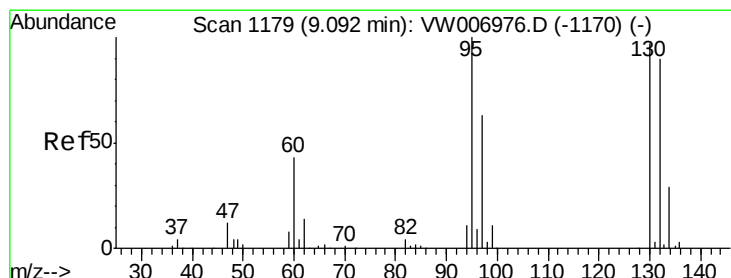
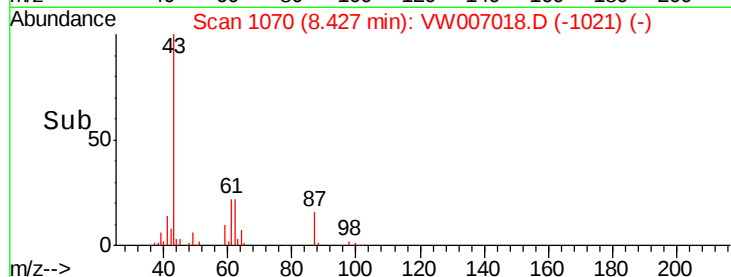
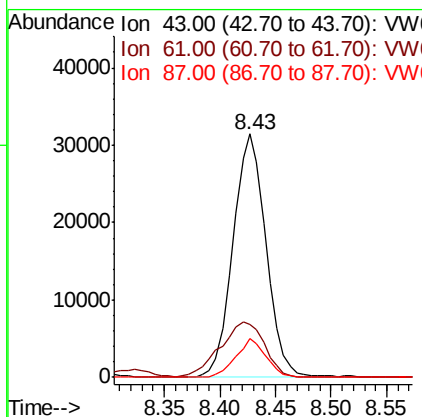
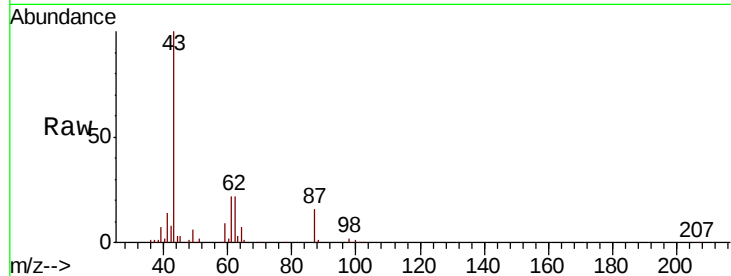
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	64586
Ion	Ratio	Lower	Upper
43	100		
61	30.7	26.1	39.1
87	14.6	11.2	16.8

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#44

Trichloroethene

Concen: 49.772 ug/l

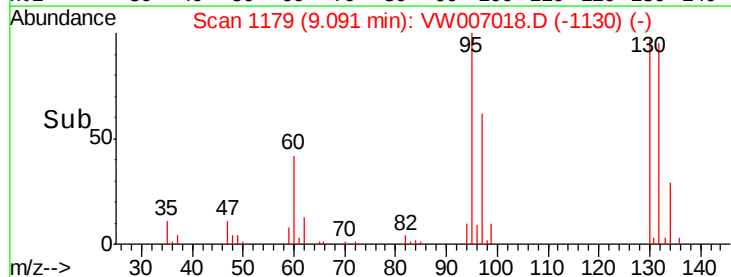
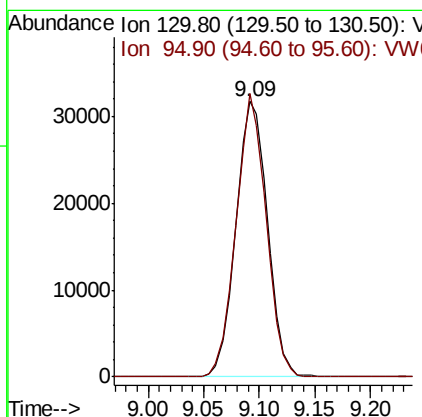
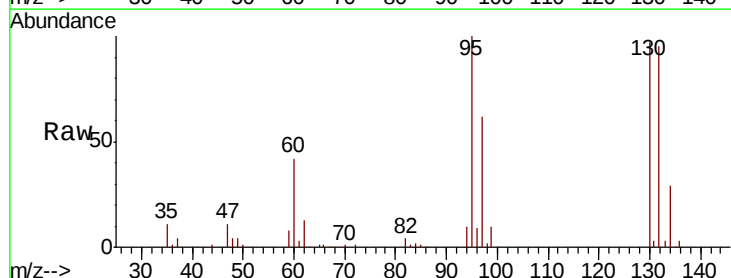
RT: 9.09 min Scan# 1179

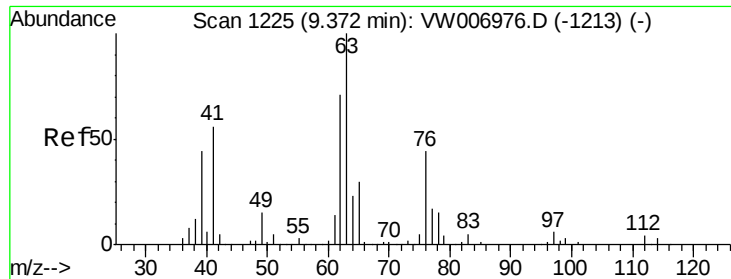
Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Tgt Ion:	130	Resp:	62229
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	206.4





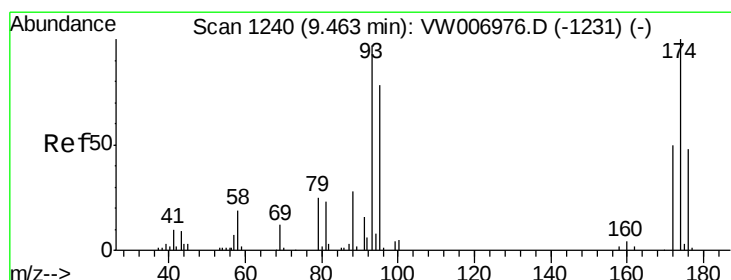
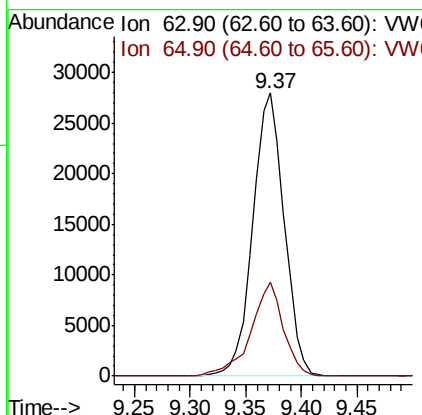
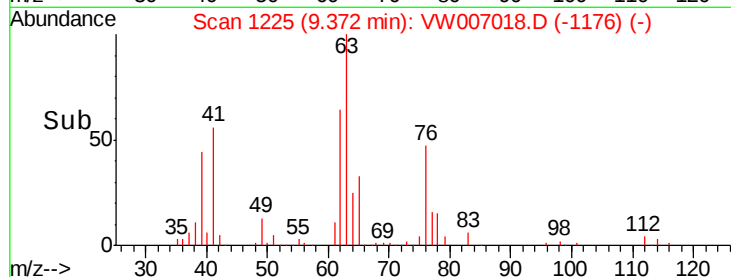
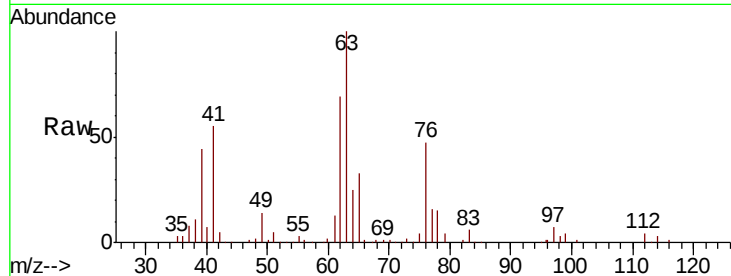
#45
 1,2-Dichloropropane
 Concen: 50.045 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 55022
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.4 36.6

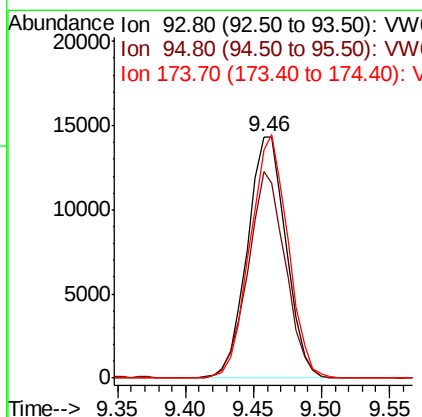
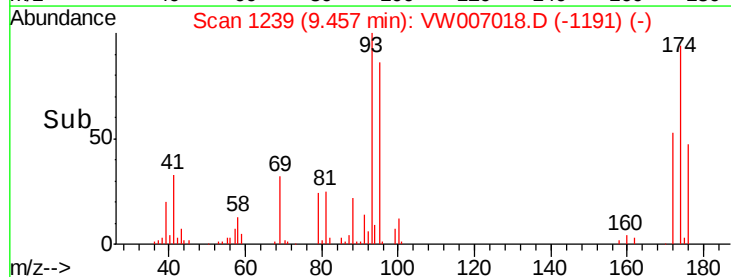
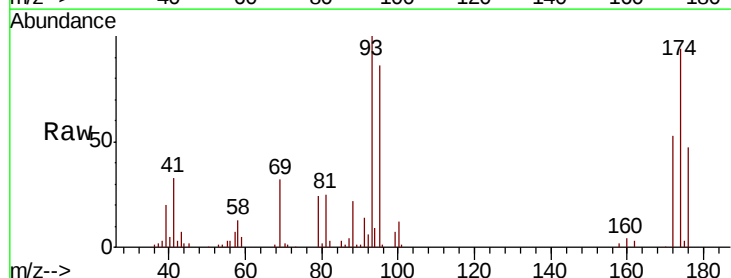
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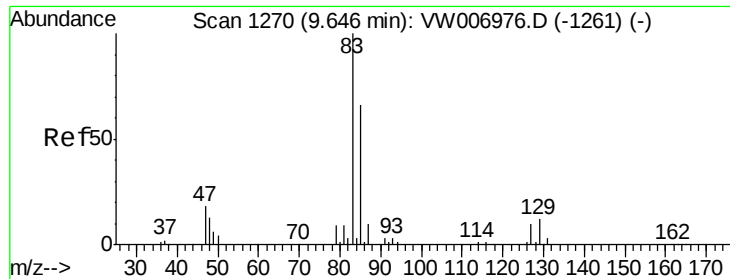
MMDadoda
 11/26/2018 1:04:51 PM



#46
 Dibromomethane
 Concen: 51.969 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 93 Resp: 28613
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.1 99.1
 174 98.3 79.7 119.5





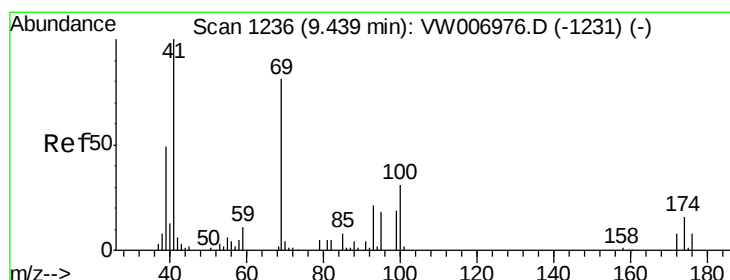
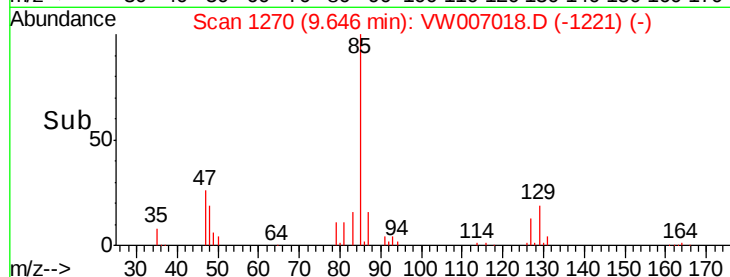
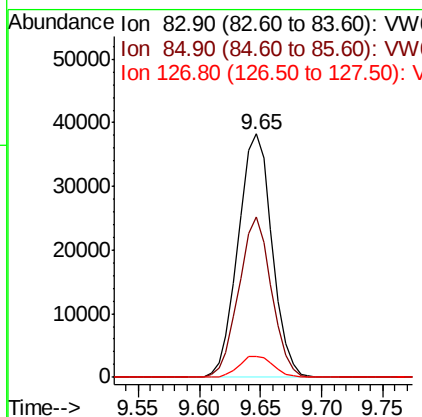
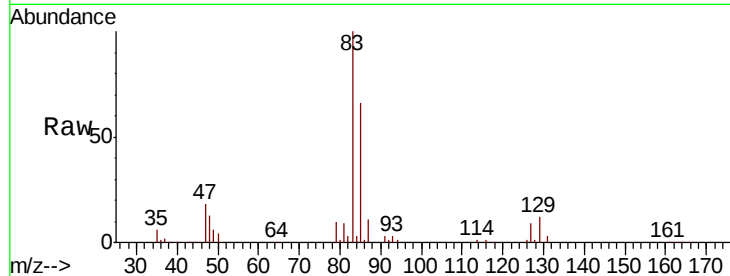
#47
Bromodichloromethane
Concen: 50.724 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.9	79.3
127	8.7	7.8	11.6

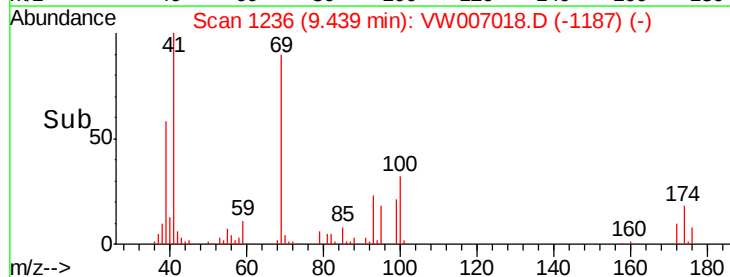
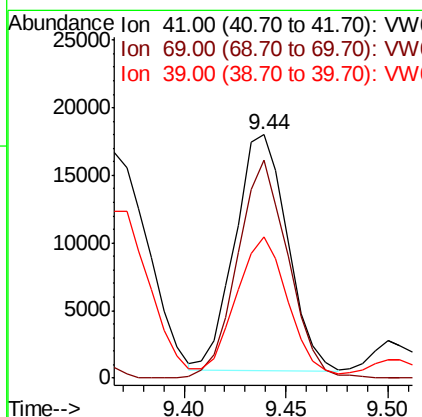
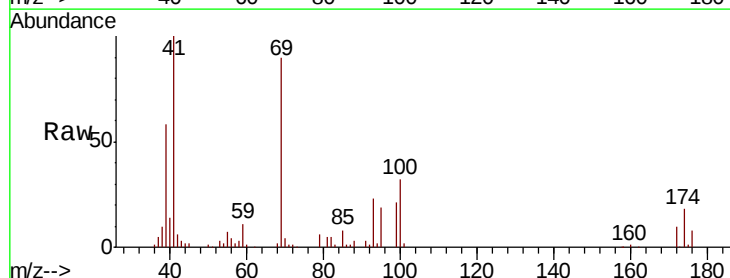
Manual Integrations
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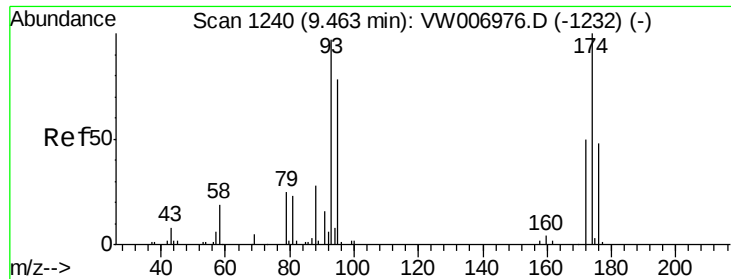
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#48
Methyl methacrylate
Concen: 56.674 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.3	71.4	107.0
39	60.7	44.8	67.2





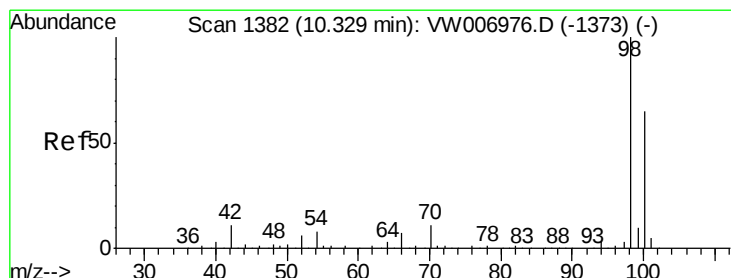
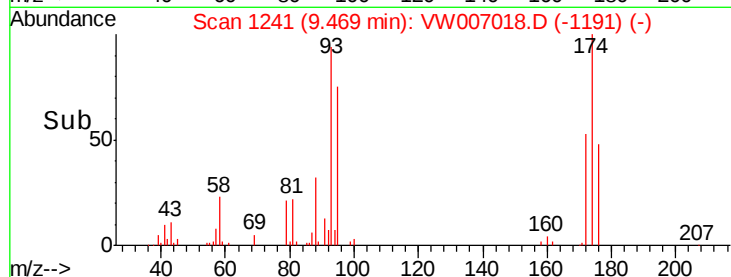
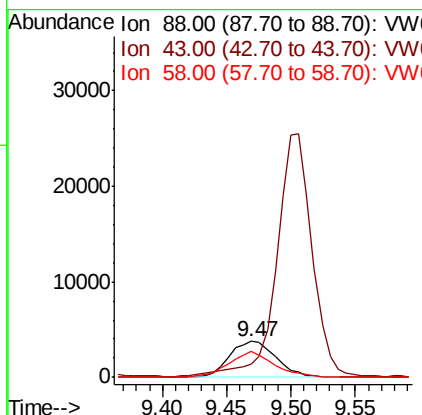
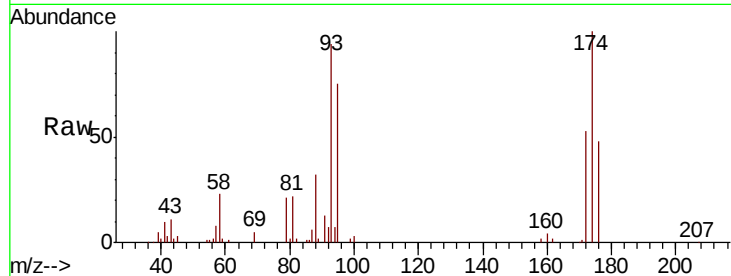
#49
1,4-Dioxane
Concen: 1164.803 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	9532
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	69.8	59.0	88.6

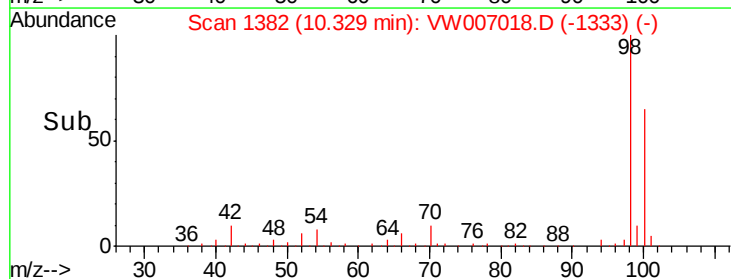
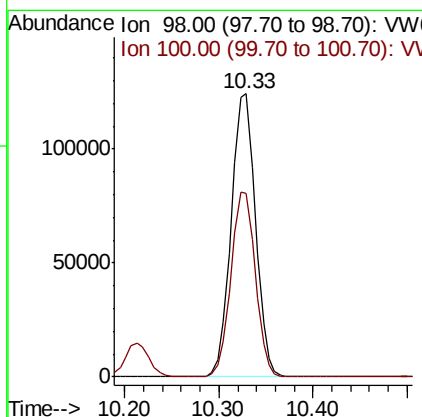
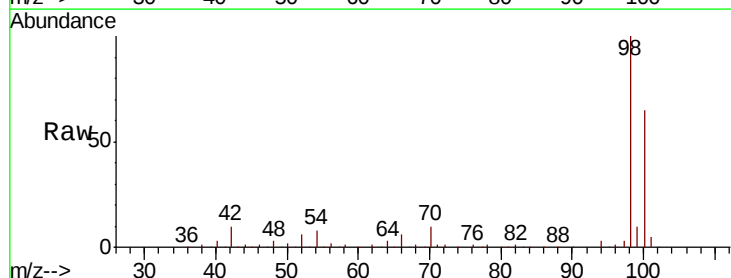
Manual Integrations
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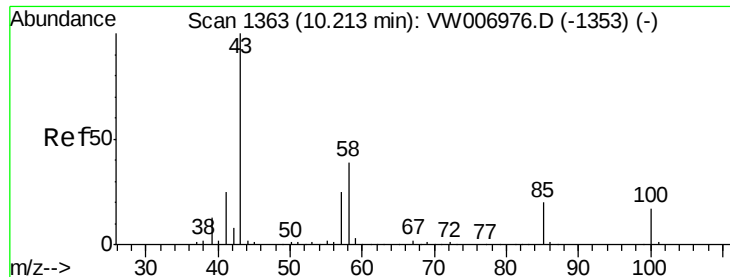
MMDadoda
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#50
Toluene-d8
Concen: 52.840 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	98	Resp	222801
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 285.890 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 164848

Ion Ratio Lower Upper

43 100

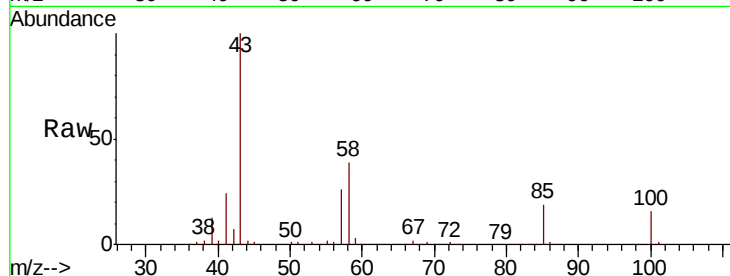
58 39.6 31.8 47.6

Manual Integrations

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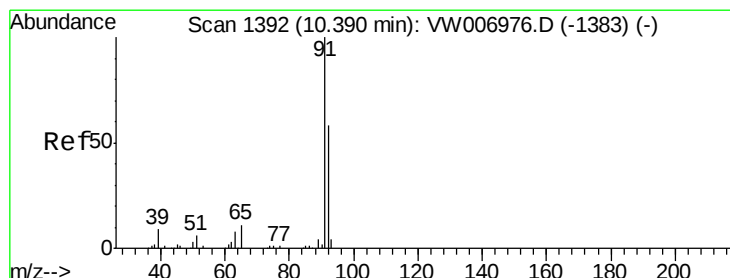
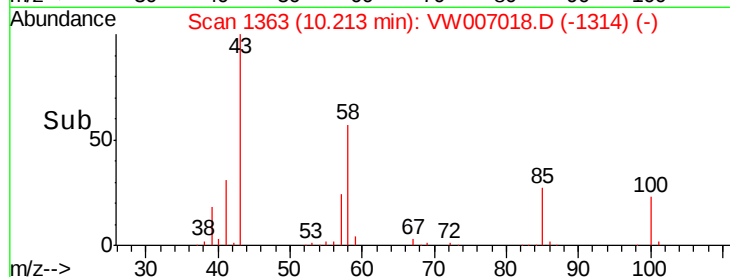
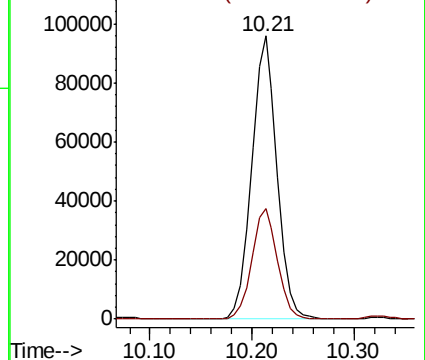
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 50.836 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007018.D

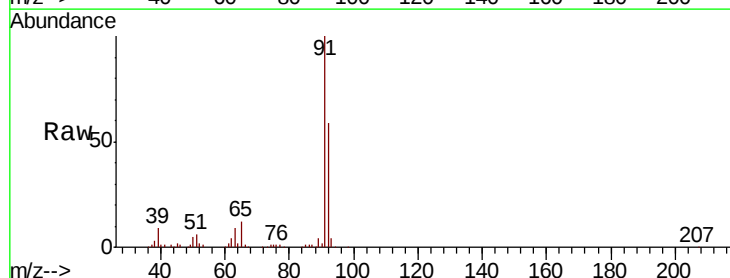
Acq: 22 Nov 2018 00:45

Tgt Ion: 92 Resp: 154301

Ion Ratio Lower Upper

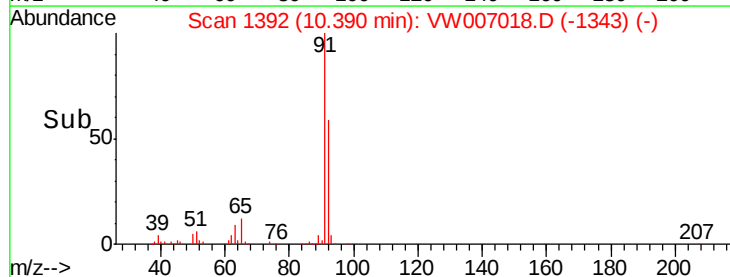
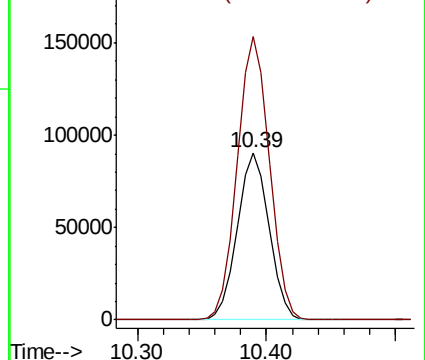
92 100

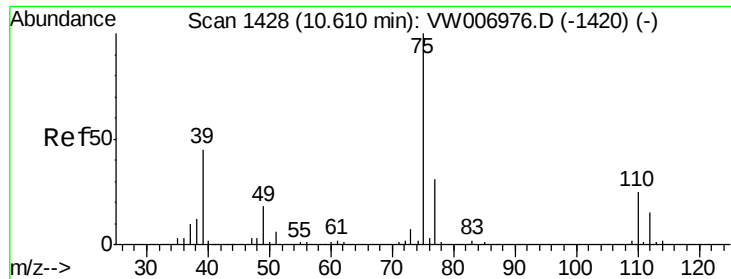
91 171.9 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





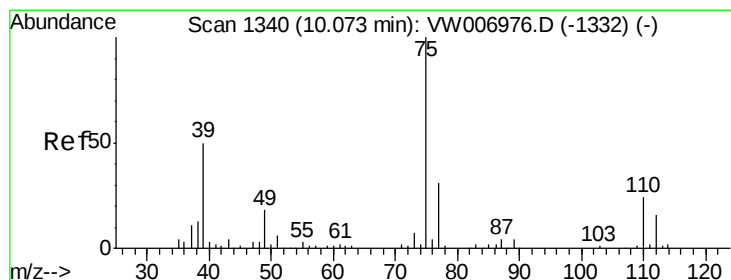
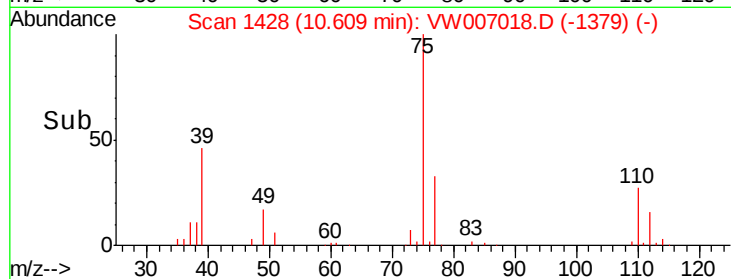
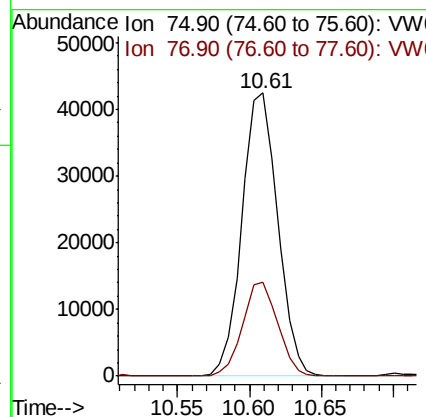
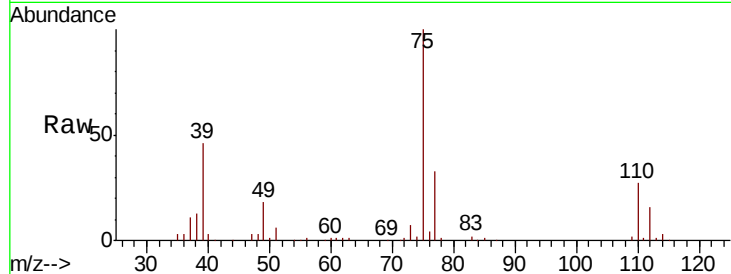
#53
t-1,3-Dichloropropene
Concen: 52.141 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 73270
Ion Ratio Lower Upper
75 100
77 33.3 24.7 37.1

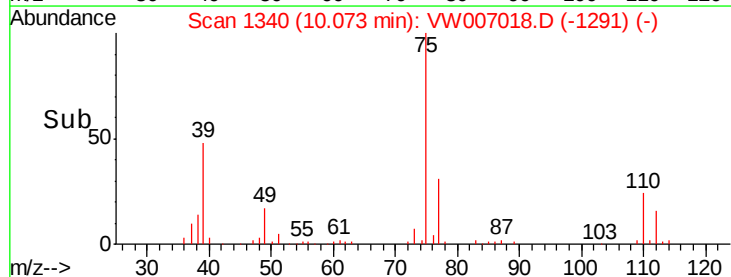
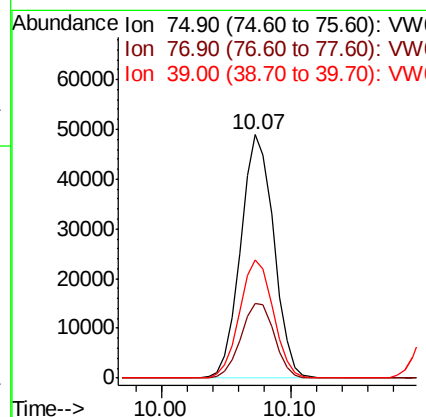
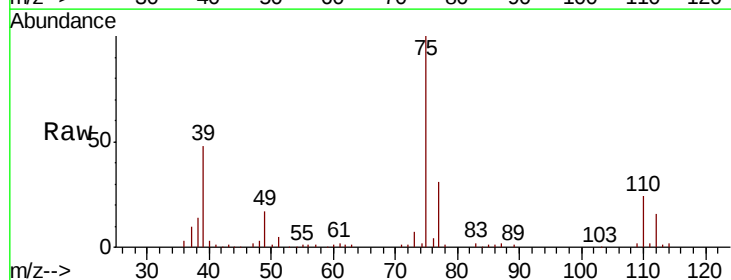
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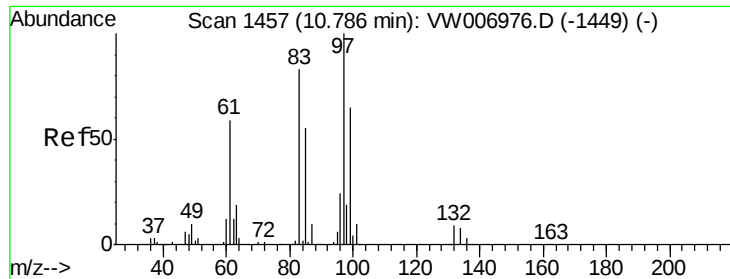
MMDadoda
11/26/2018 1:04:51 PM



#54
cis-1,3-Dichloropropene
Concen: 51.292 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 75 Resp: 87079
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.6
39 48.4 39.9 59.9





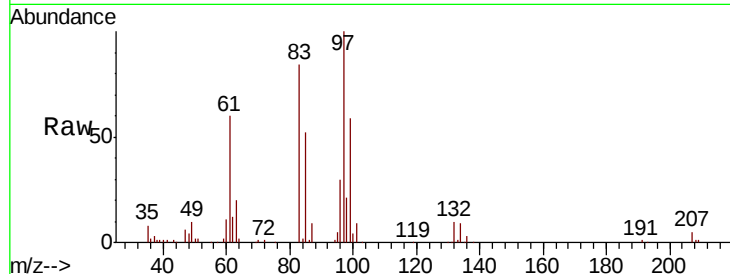
#55
 1,1,2-Trichloroethane
 Concen: 52.065 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	42175
Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.4	99.6
85	52.3	44.1	66.1
99	59.6	51.7	77.5

Manual Integrations
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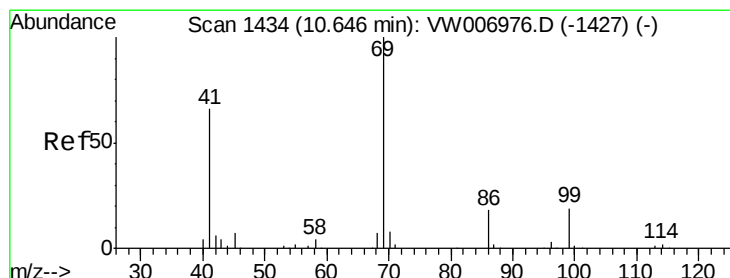
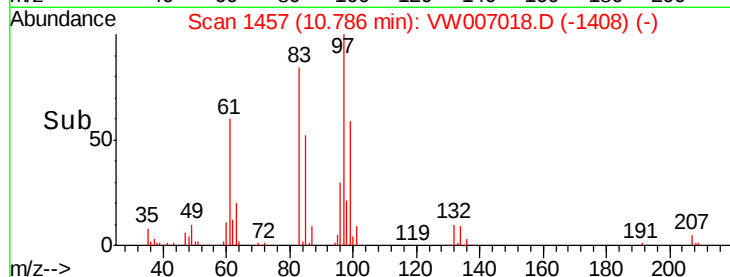
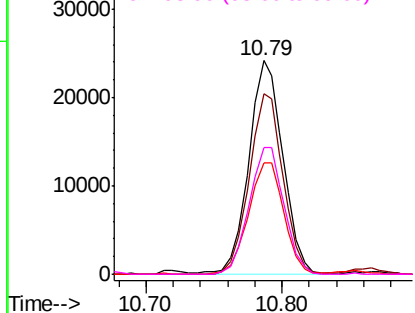
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

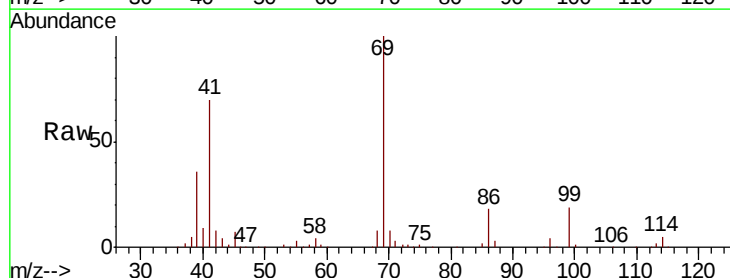
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 58.851 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion:	69	Resp:	55337
Ion	Ratio	Lower	Upper
69	100		
41	64.8	53.4	80.0
39	34.2	28.2	42.4

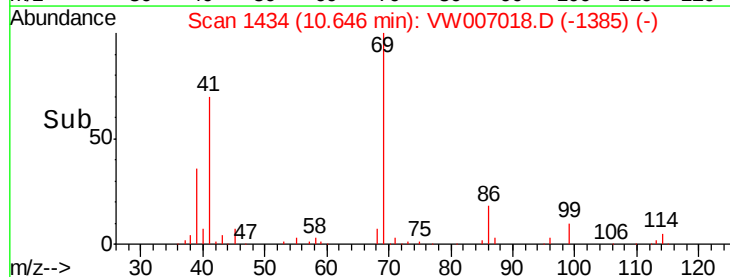
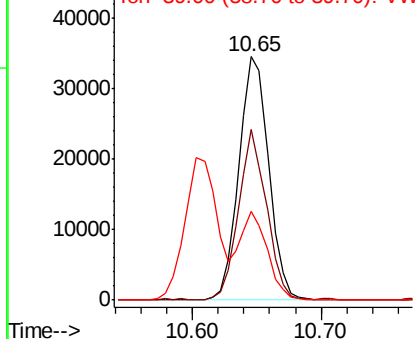


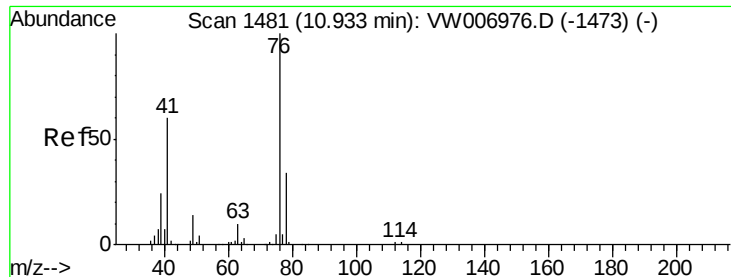
Abundance

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: 52.860 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 71758

Ion Ratio Lower Upper

76 100

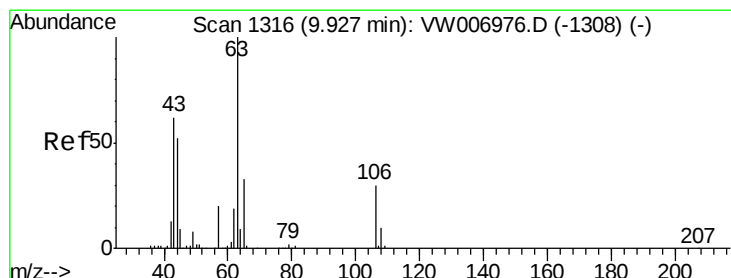
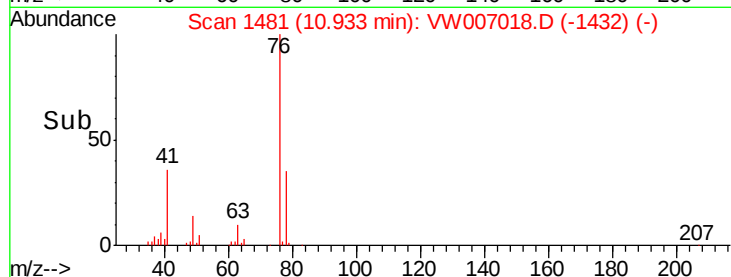
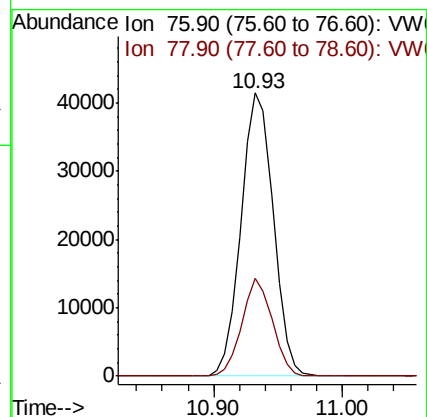
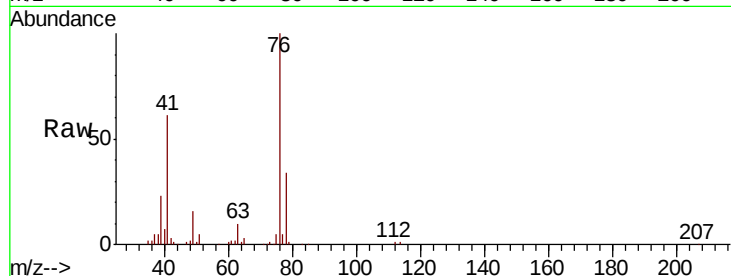
78 32.7 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 244.308 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007018.D

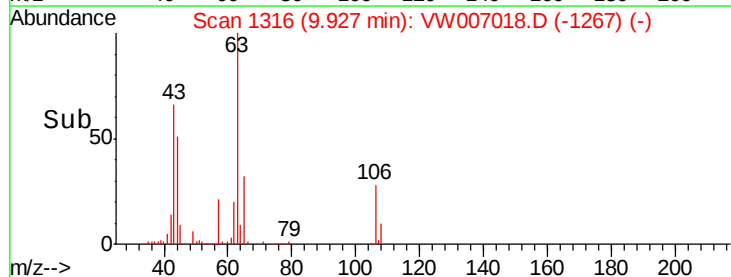
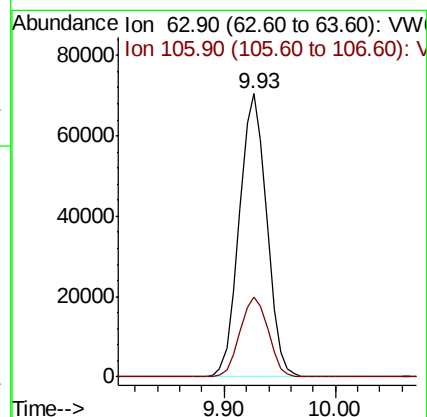
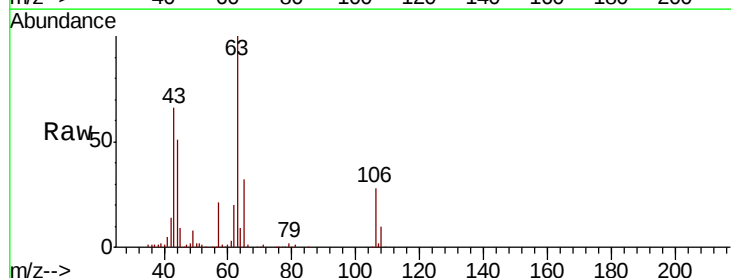
Acq: 22 Nov 2018 00:45

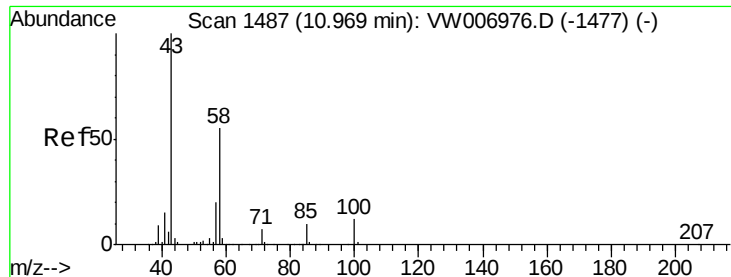
Tgt Ion: 63 Resp: 120041

Ion Ratio Lower Upper

63 100

106 29.1 23.5 35.3





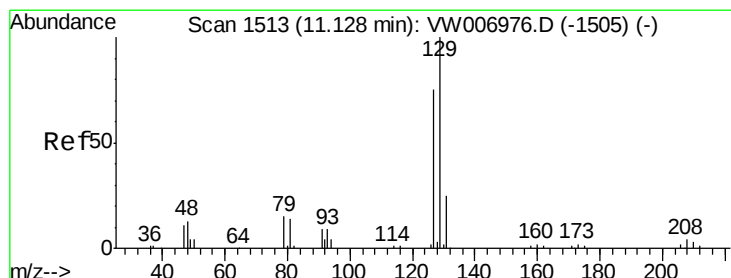
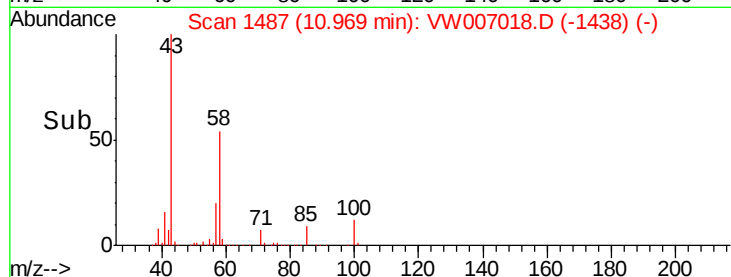
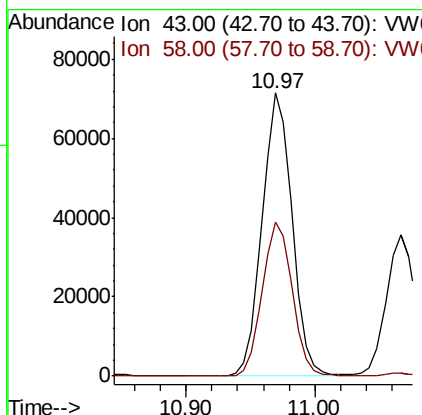
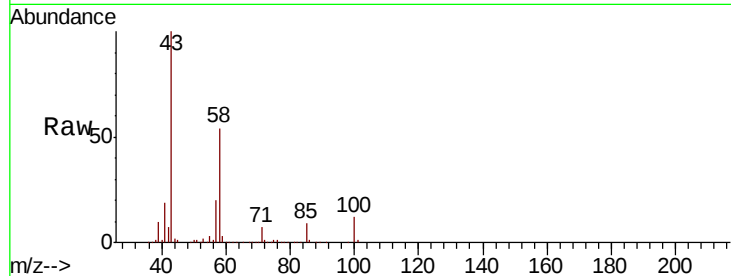
#59
2-Hexanone
Concen: 292.104 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 115340
Ion Ratio Lower Upper
43 100
58 54.7 27.3 81.8

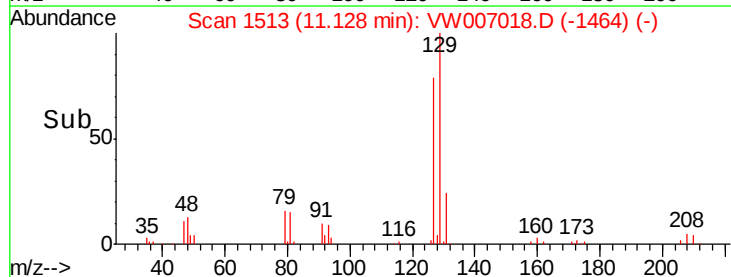
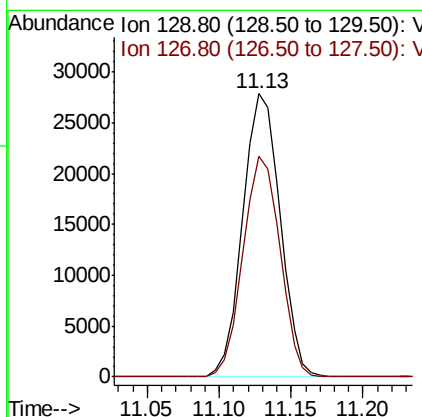
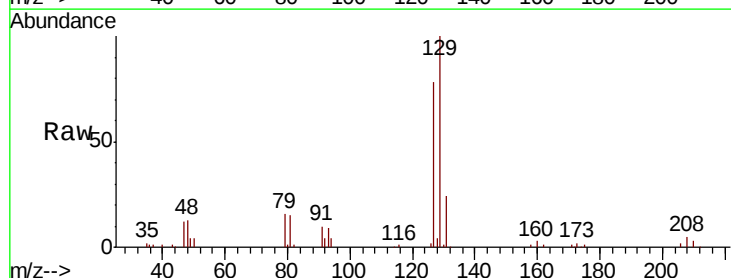
Manual Integrations
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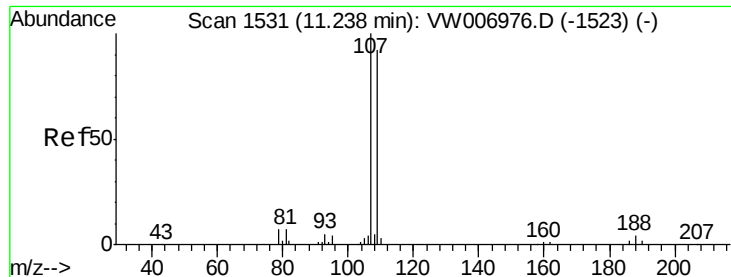
MMDadoda
11/26/2018 1:04:51 PM



#60
Dibromochloromethane
Concen: 54.230 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 129 Resp: 50056
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





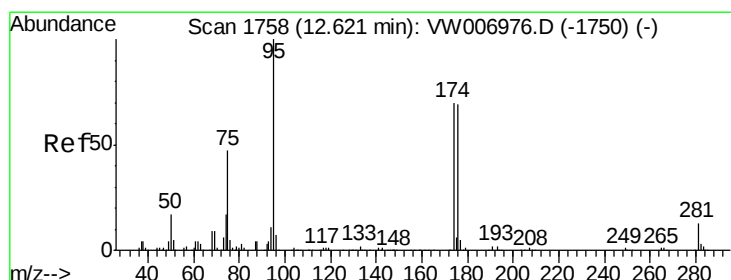
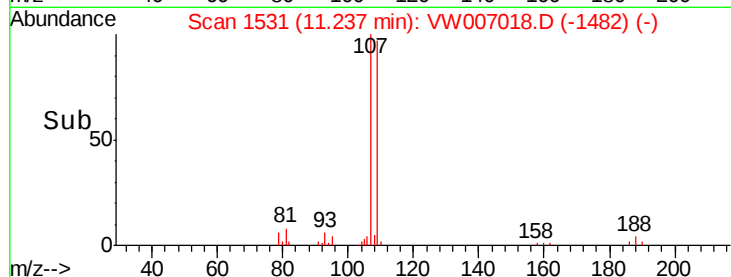
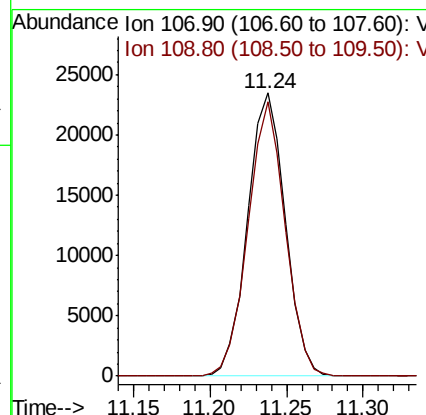
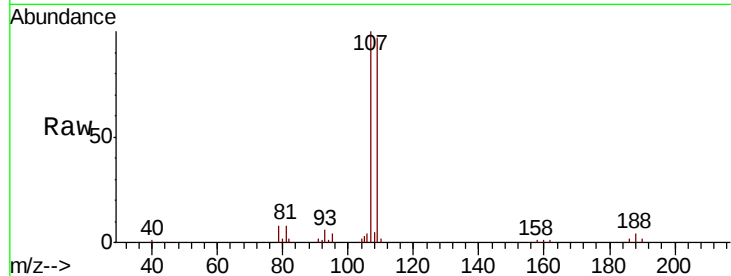
#61
 1,2-Dibromoethane
 Concen: 54.311 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 40246
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.1 112.7

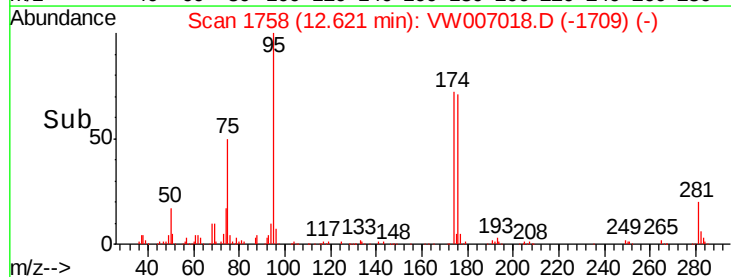
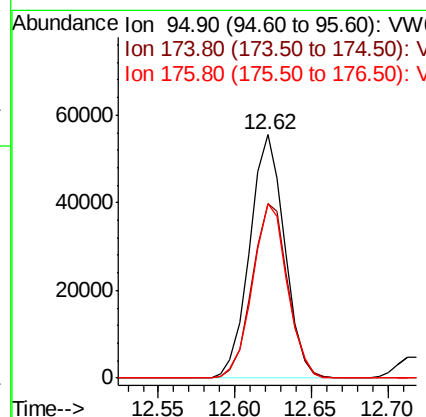
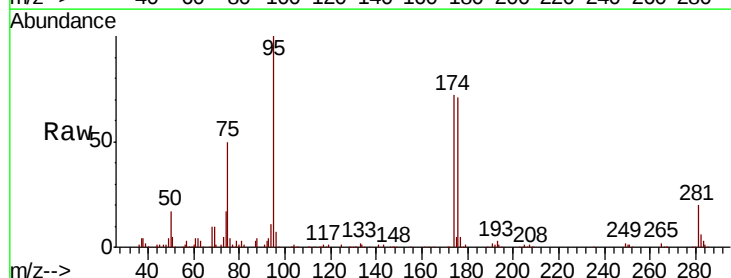
Manual Integrations
 APPROVED

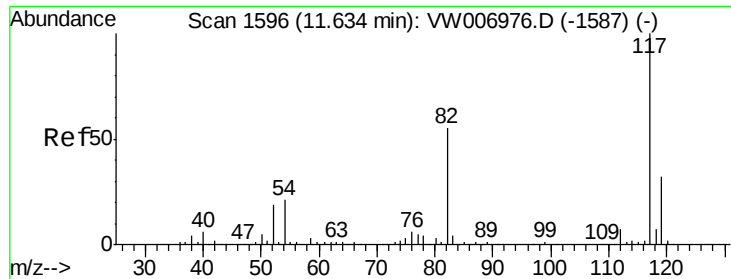
MMDadoda
 11/26/2018 1:04:51 PM



#62
 4-Bromofluorobenzene
 Concen: 52.889 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 95 Resp: 87756
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 143.6
 176 71.7 0.0 140.4





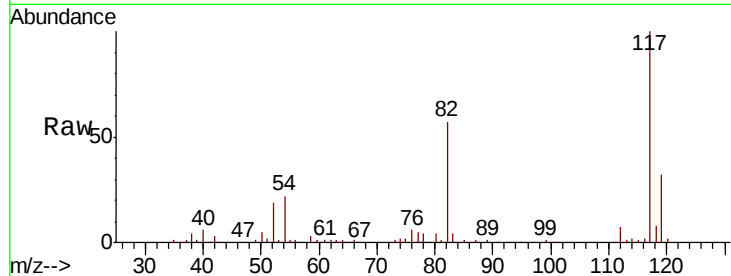
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.2	66.2
119	32.2	25.9	38.9

Manual Integrations
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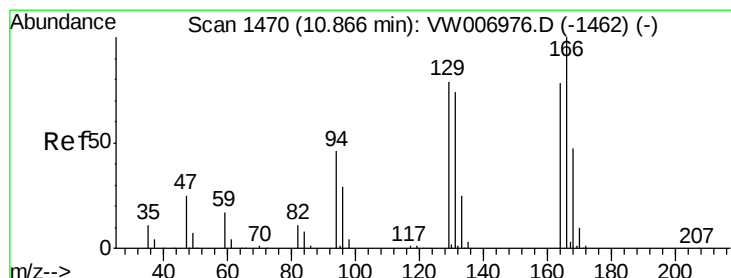
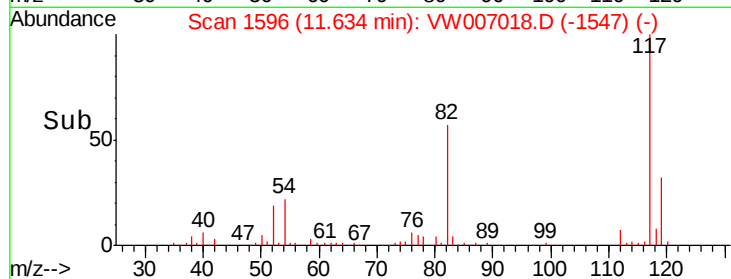
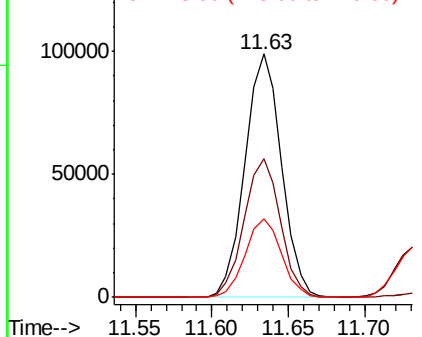


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.453 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	102.1	153.1
129	100.2	80.4	120.6
131	98.1	75.2	112.8

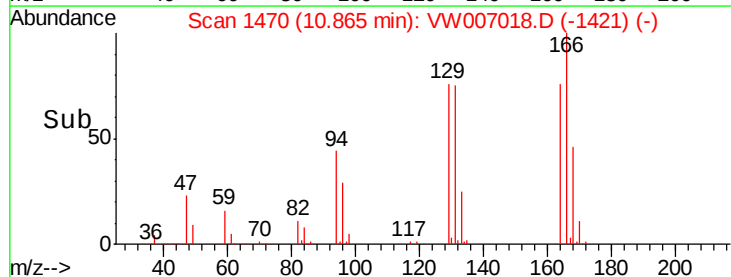
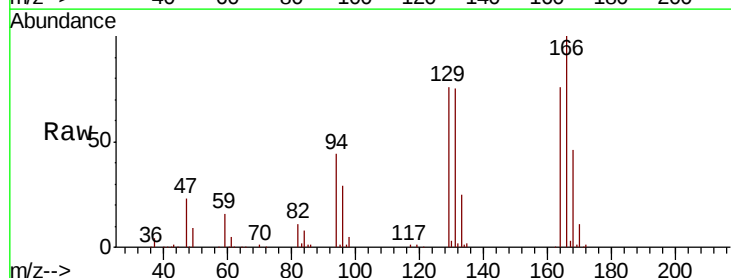
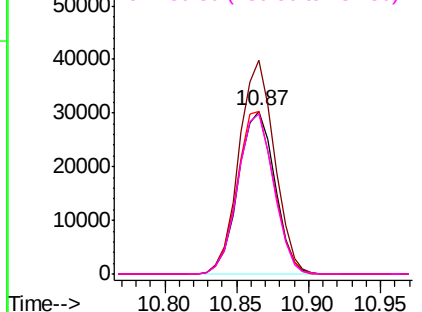
Abundance

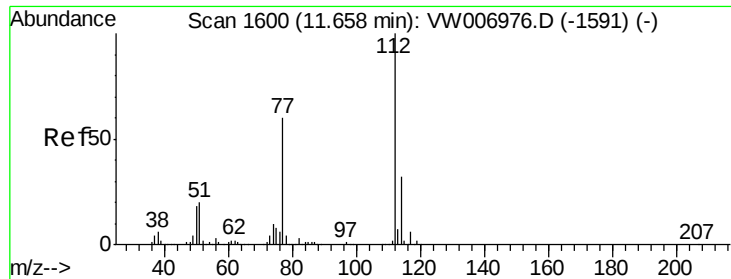
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.049 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 171942

Ion Ratio Lower Upper

112 100

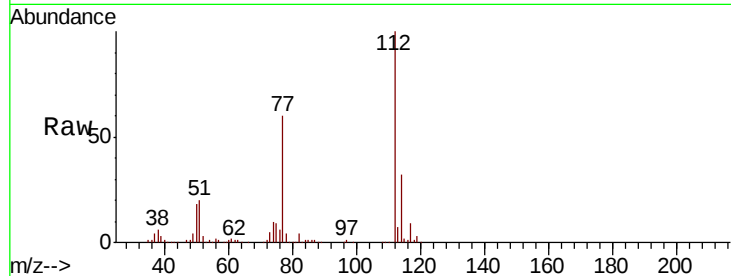
114 31.7 25.8 38.8

Manual Integrations

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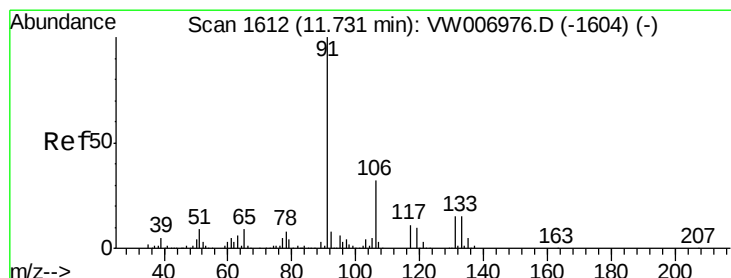
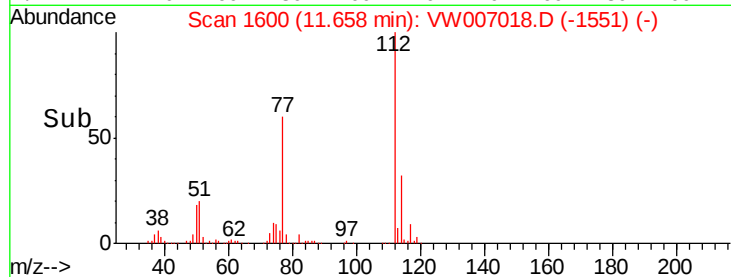
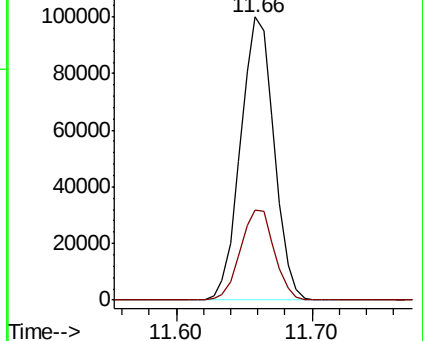
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.475 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

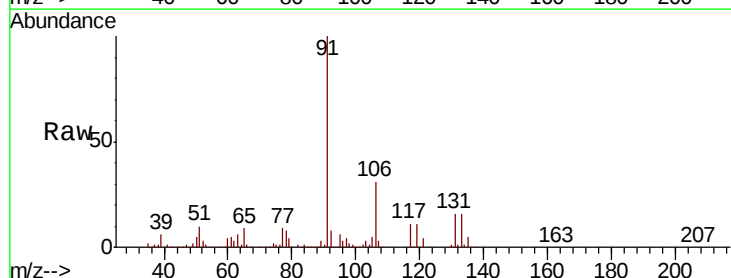
Tgt Ion:131 Resp: 51417

Ion Ratio Lower Upper

131 100

133 96.9 47.7 143.1

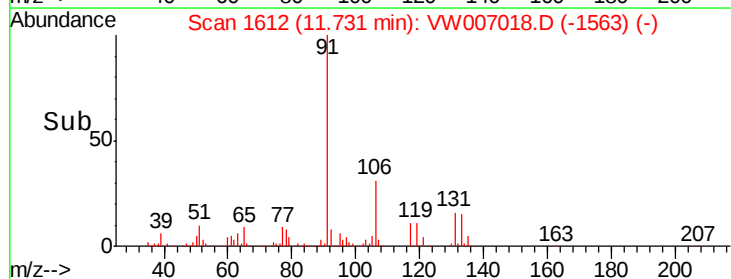
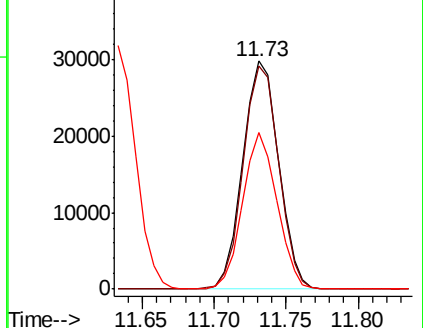
119 65.9 31.8 95.3

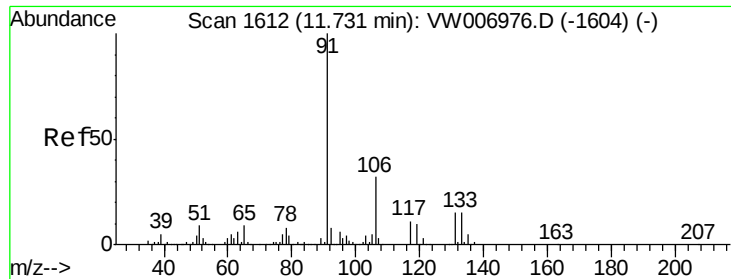


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





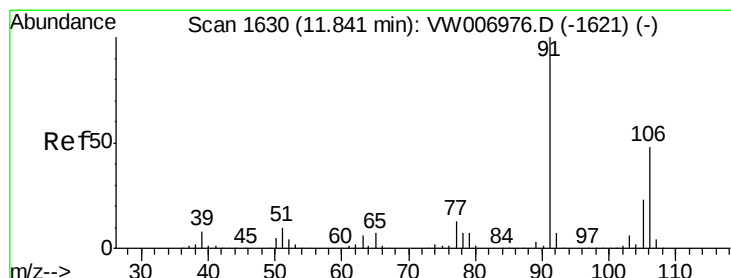
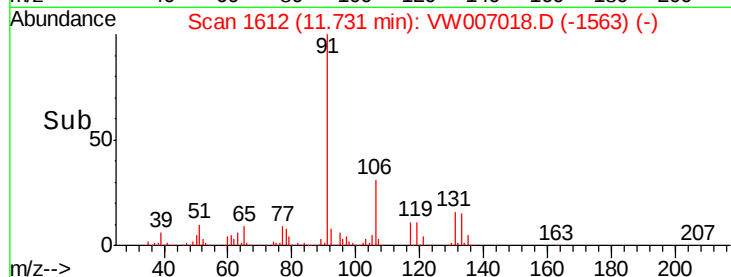
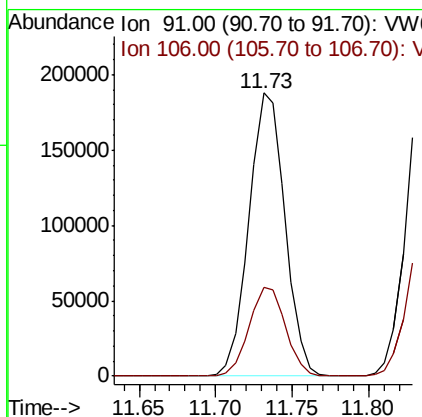
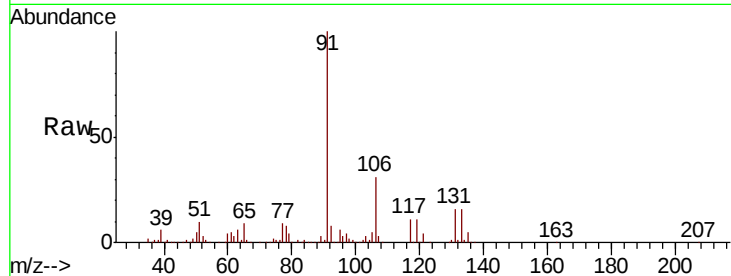
#67
Ethyl Benzene
Concen: 48.859 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 308354
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.2

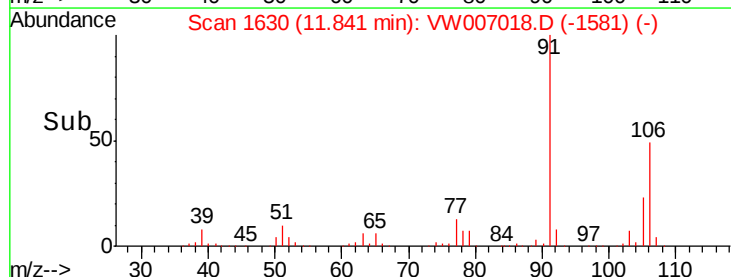
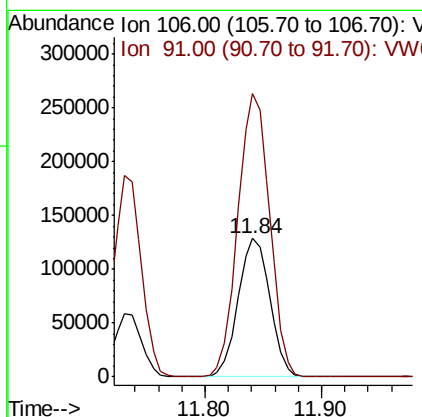
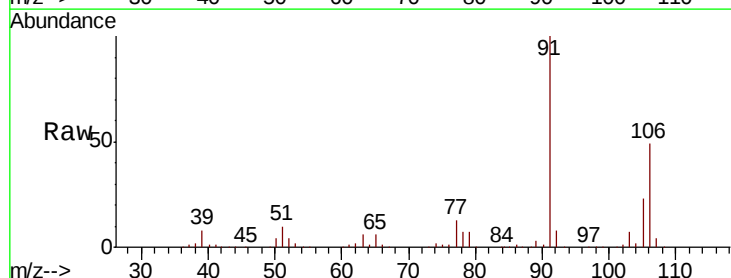
Manual Integrations
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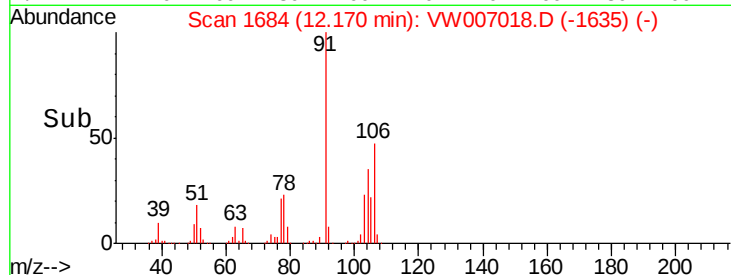
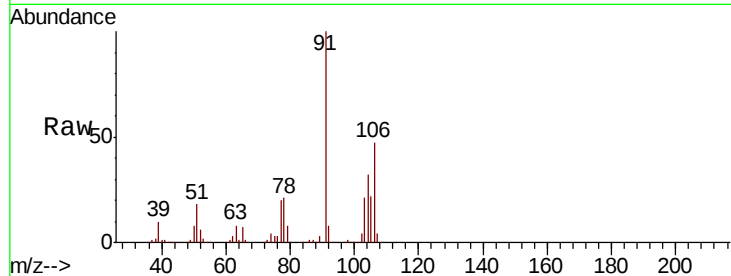
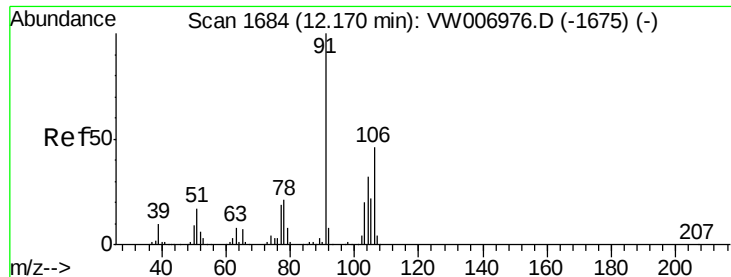
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#68
m/p-Xylenes
Concen: 98.718 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 106 Resp: 244431
Ion Ratio Lower Upper
106 100
91 205.5 164.8 247.2





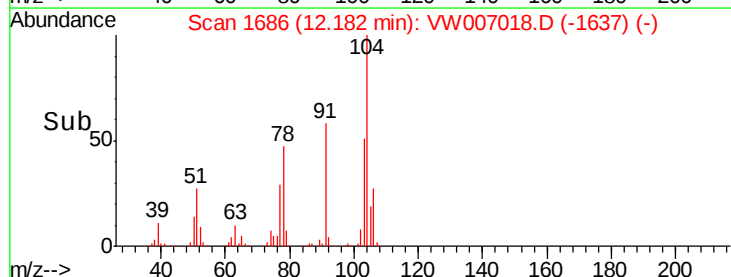
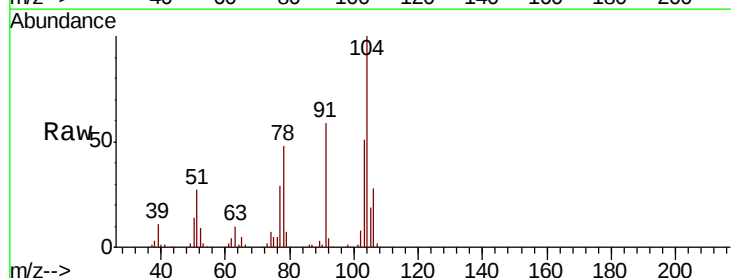
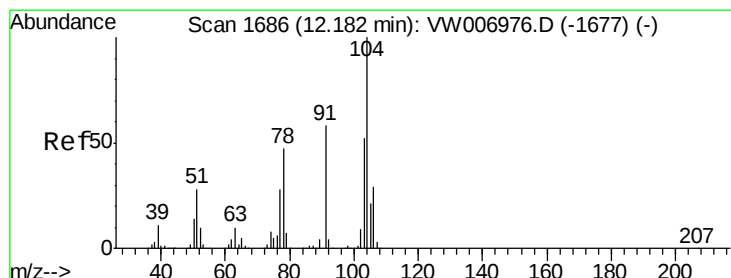
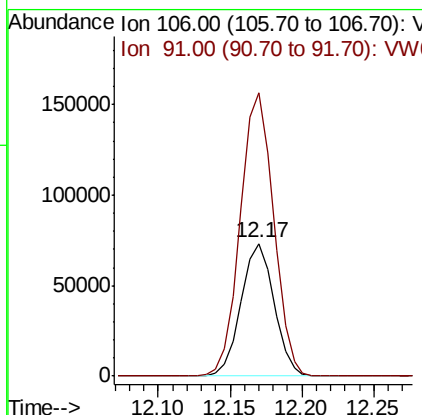
#69
o-Xylene
Concen: 49.809 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tot Ion:106 Resp: 116291
Ion Ratio Lower Upper
106 100
91 216.2 107.9 323.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

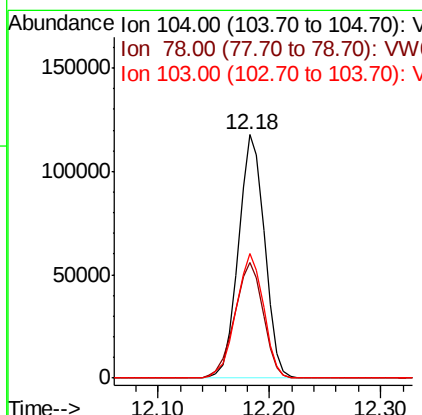
Manual Integrations
APPROVED

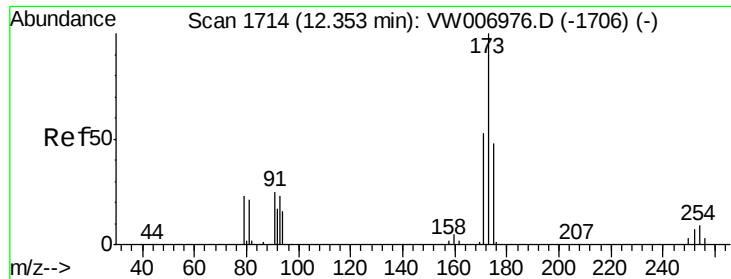
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#70
Styrene
Concen: 51.466 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion:104 Resp: 191244
Ion Ratio Lower Upper
104 100
78 51.8 41.8 62.8
103 54.2 44.4 66.6





#71

Bromoform

Concen: 54.135 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

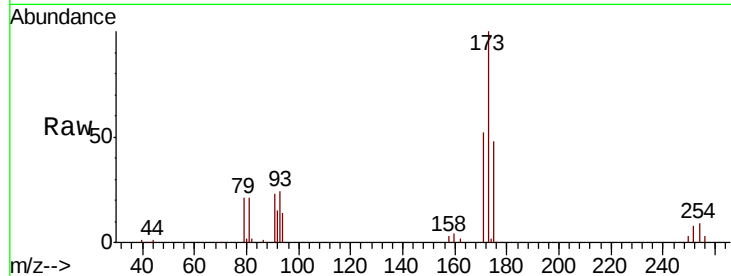
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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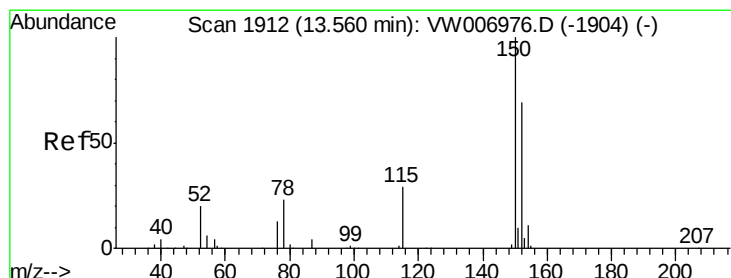
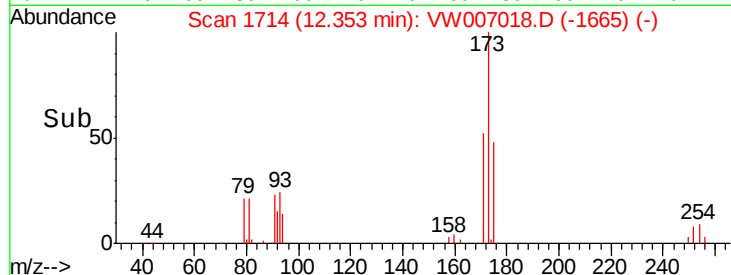
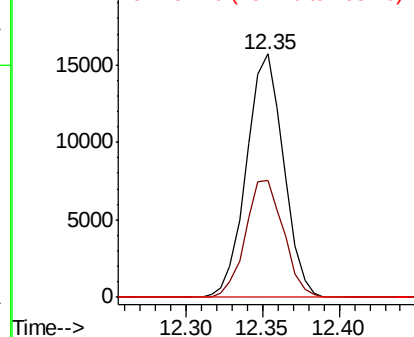


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

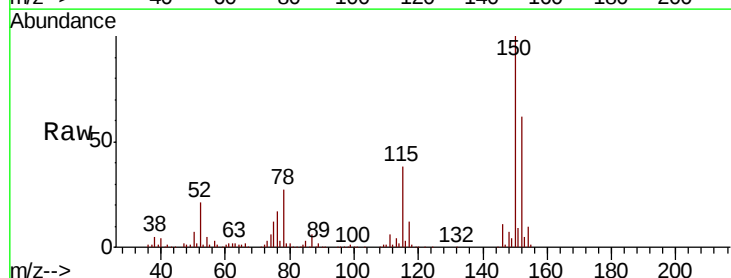
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.4	94.2
150	174.8	0.0	353.4

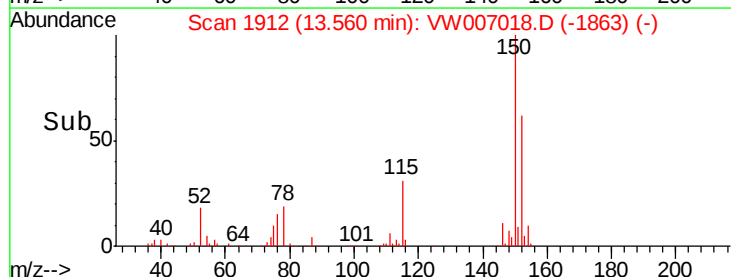
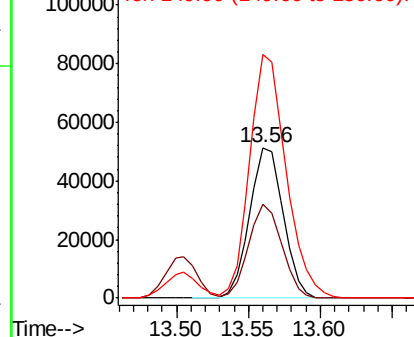


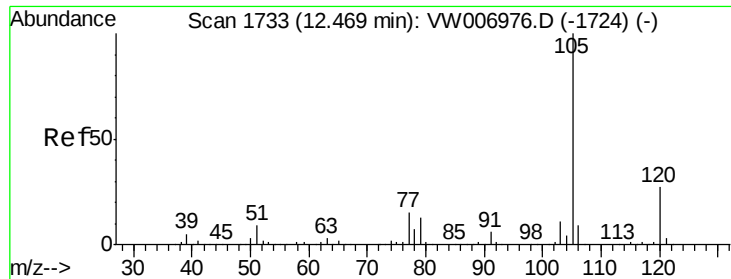
Abundance

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





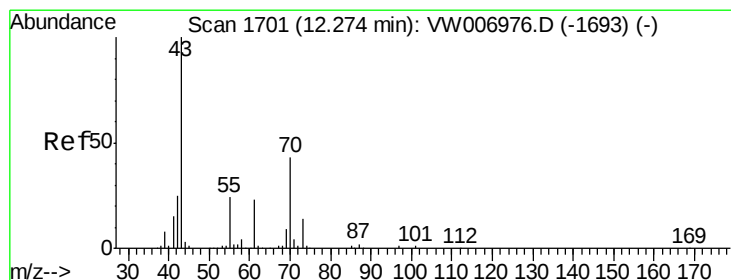
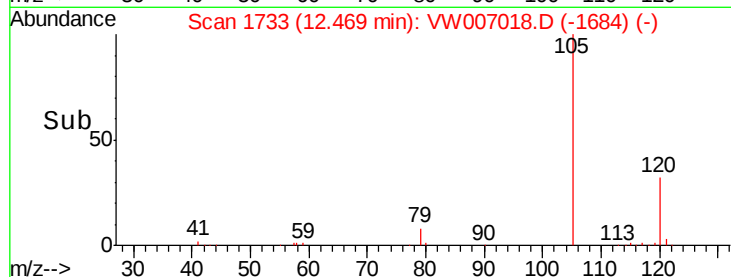
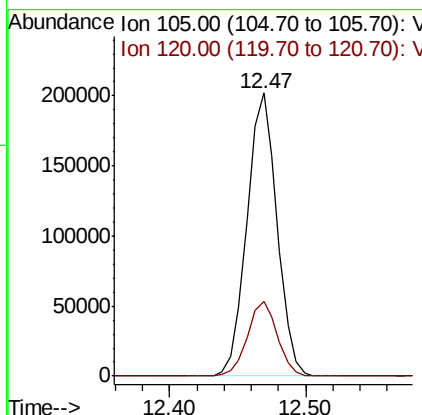
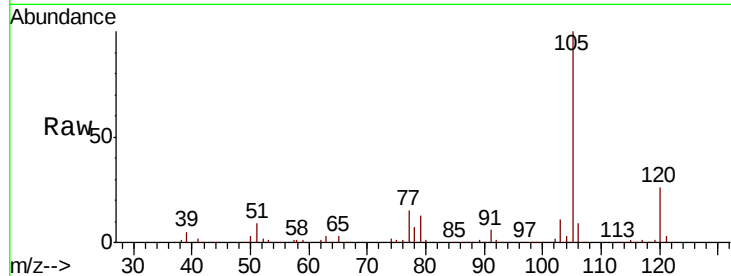
#73
Isopropylbenzene
Concen: 48.418 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 312739
Ion Ratio Lower Upper
105 100
120 26.1 13.3 39.8

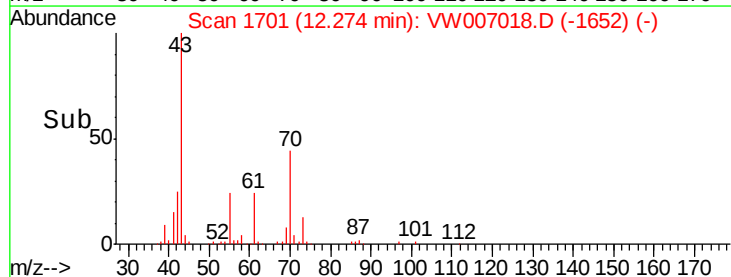
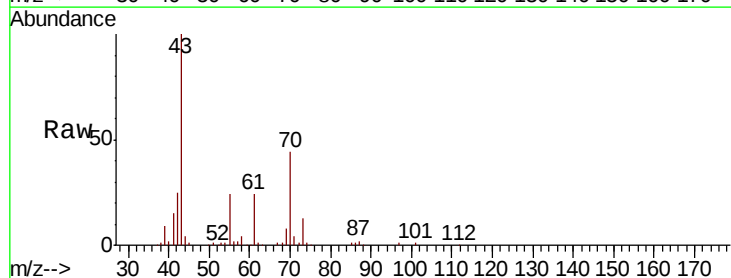
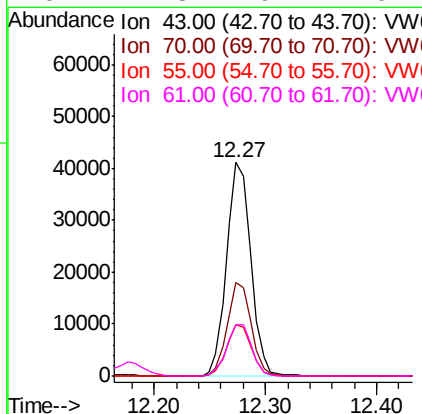
Manual Integrations
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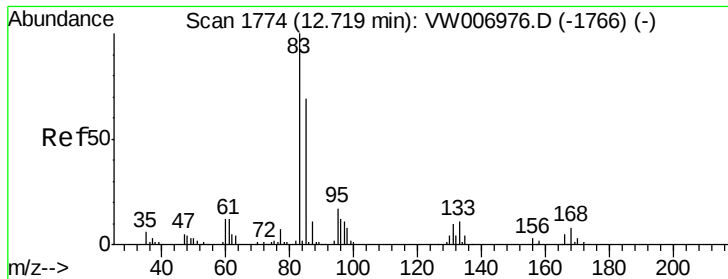
MMDadoda
11/26/2018 1:04:51 PM



#74
N-ethyl acetate
Concen: 57.436 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 43 Resp: 62177
Ion Ratio Lower Upper
43 100
70 43.1 34.0 51.0
55 24.6 19.4 29.0
61 24.8 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.649 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

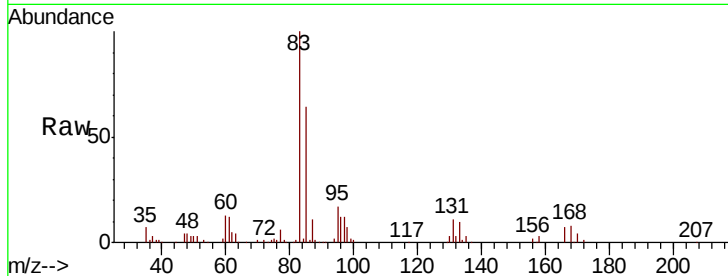
ClientSampleId :

VSTDCCC050

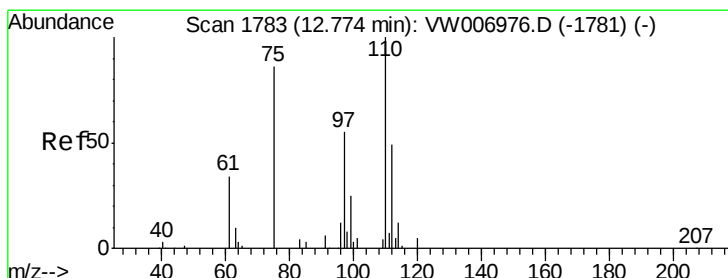
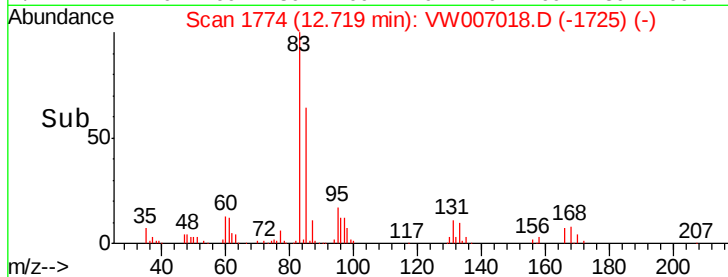
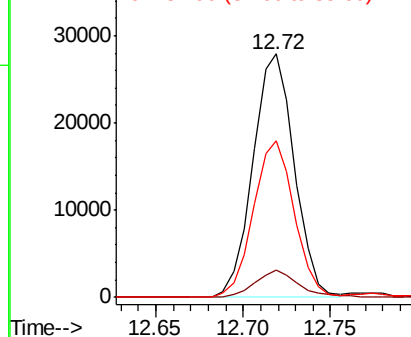
Tot Ion:	83	Resp:	46117
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.7	17.1
85	63.7	33.1	99.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 43.719 ug/l m

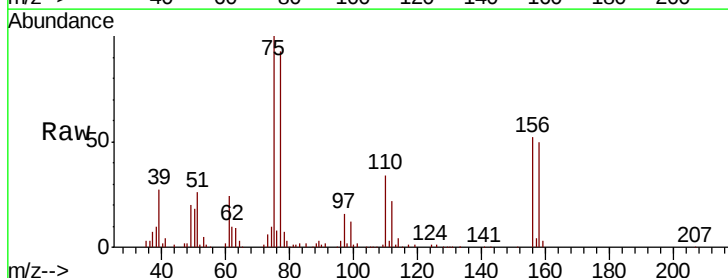
RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

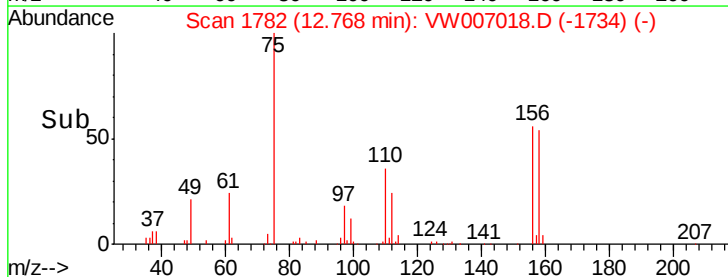
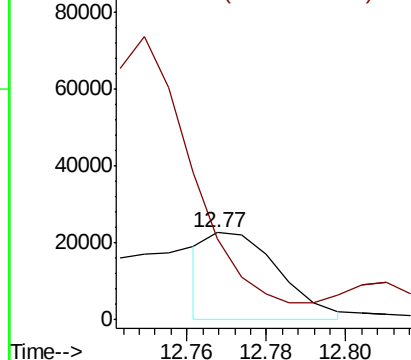
Lab File: VW007018.D

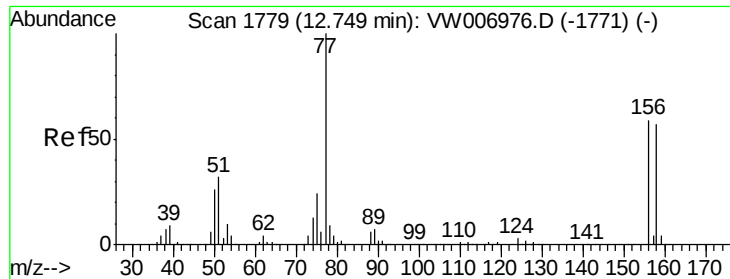
Acq: 22 Nov 2018 00:45

Tgt Ion:	75	Resp:	28551
Ion Ratio	Lower	Upper	
75	100		
77	459.4	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.018 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

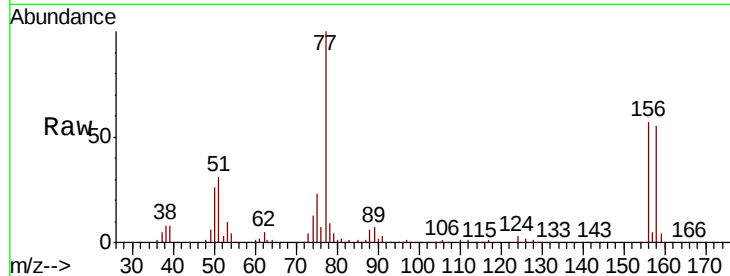
ClientSampleId :

VSTDCCC050

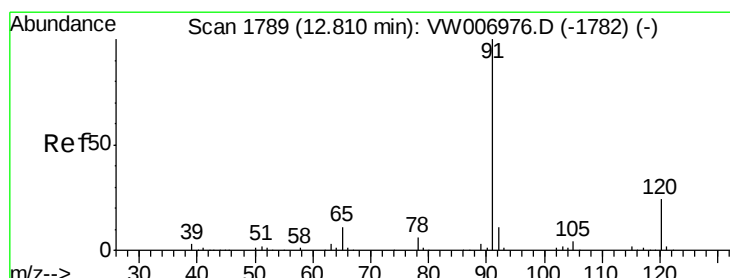
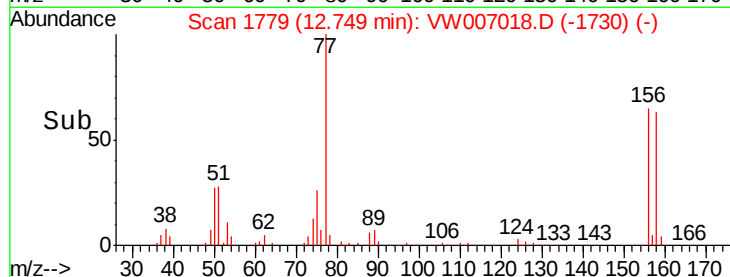
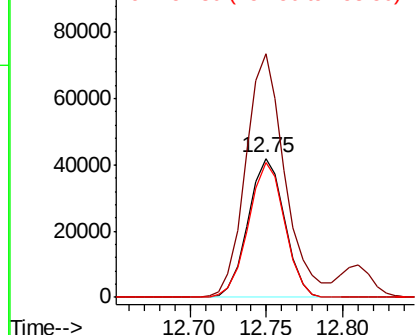
Tot Ion:	156	Resp:	69390
Ion	Ratio	Lower	Upper
156	100		
77	189.0	94.6	283.8
158	96.4	48.9	146.7

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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: 47.521 ug/l

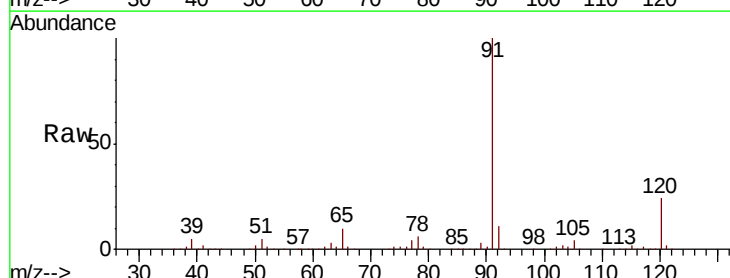
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

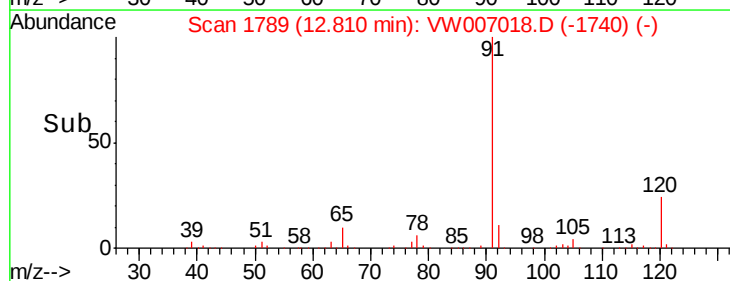
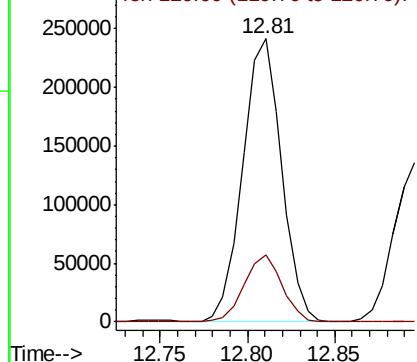
Lab File: VW007018.D

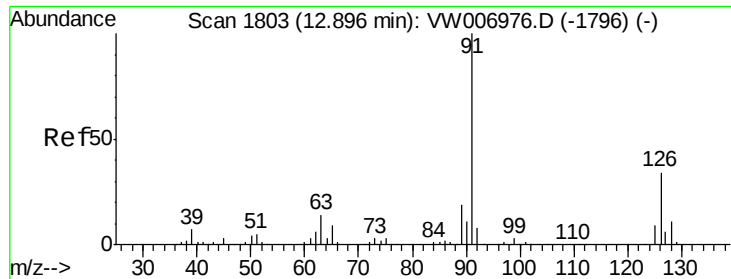
Acq: 22 Nov 2018 00:45

Tgt Ion:	91	Resp:	371805
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.1



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





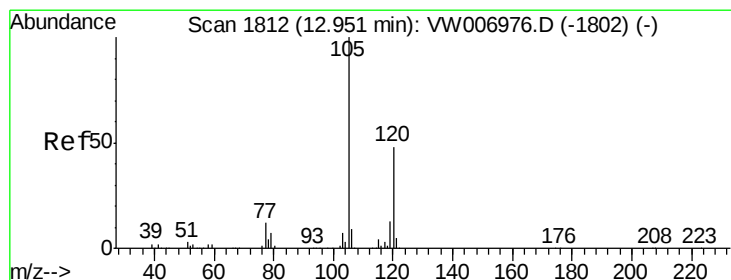
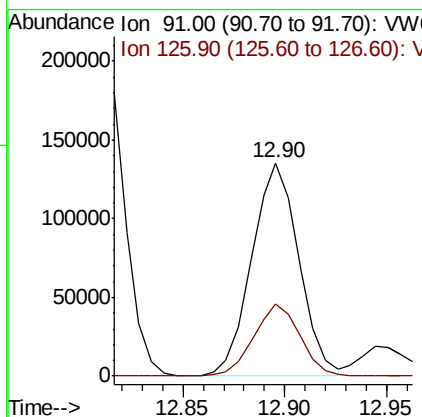
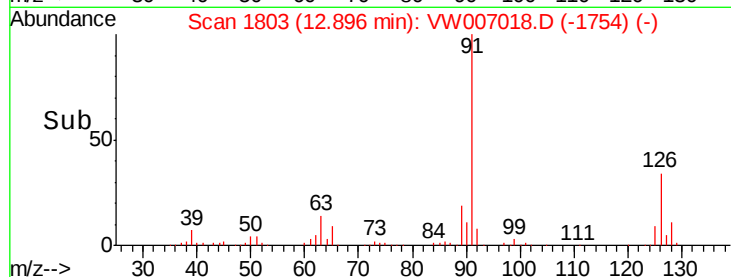
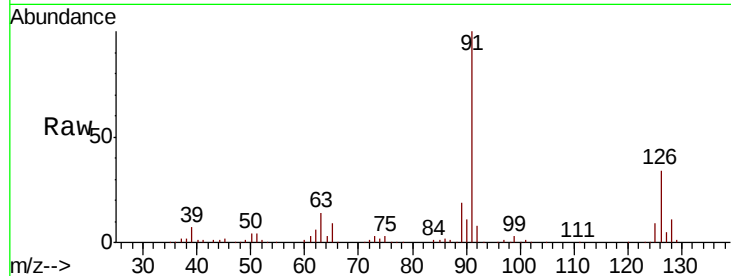
#79
 2-Chlorotoluene
 Concen: 48.147 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 217202
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.7 50.0

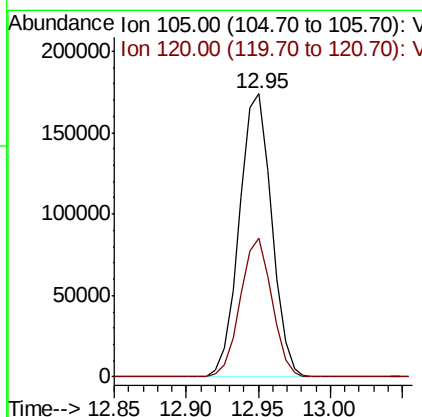
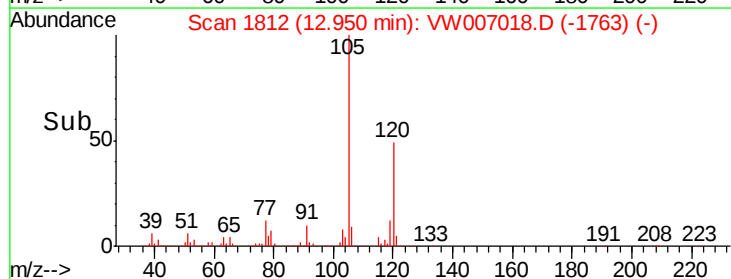
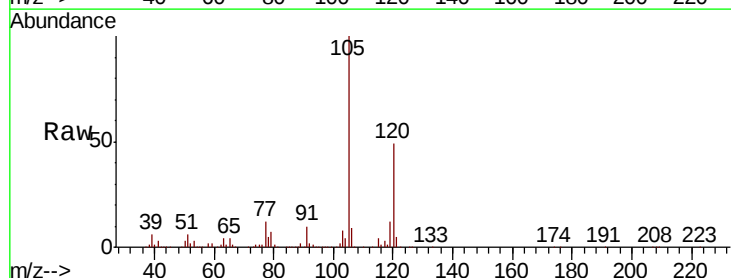
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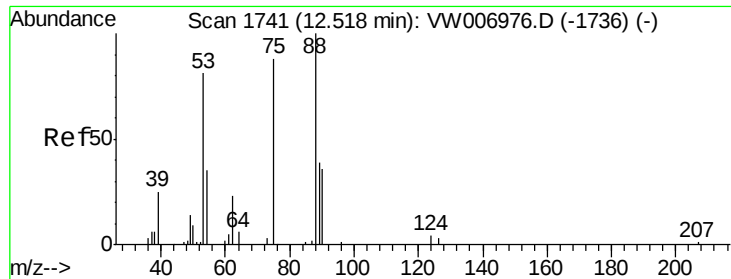
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.535 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 105 Resp: 271092
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.2





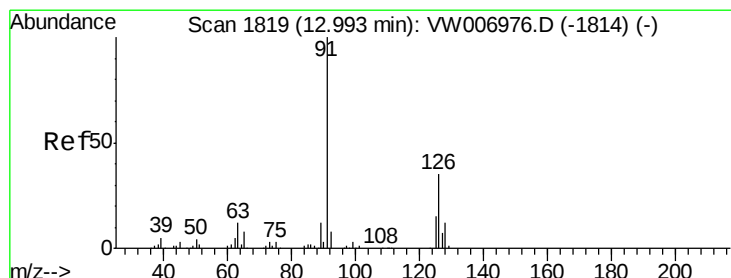
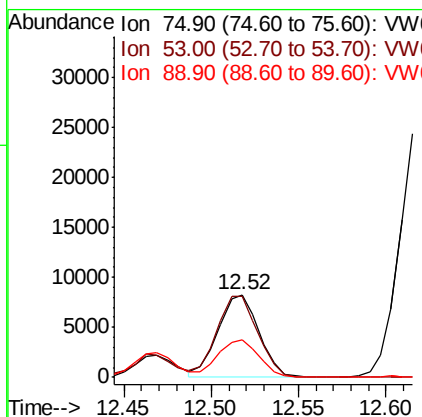
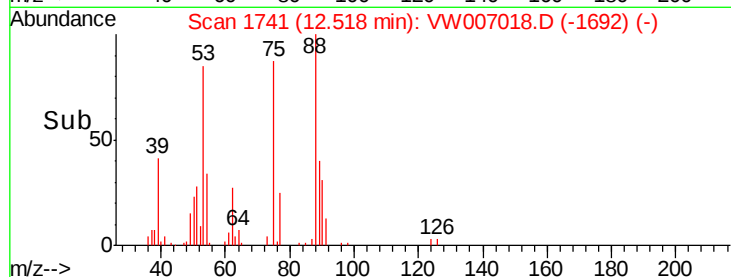
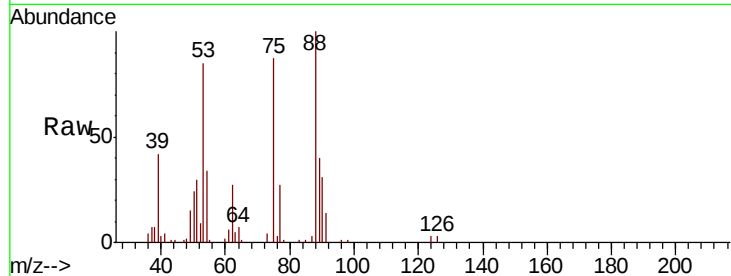
#81
trans-1,4-Dichloro-2-butene
Concen: 51.914 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	77.6	116.4
89	44.5	39.3	58.9

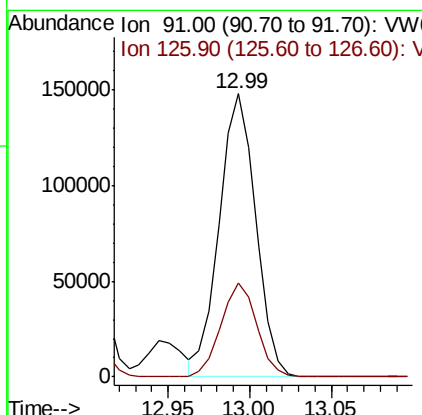
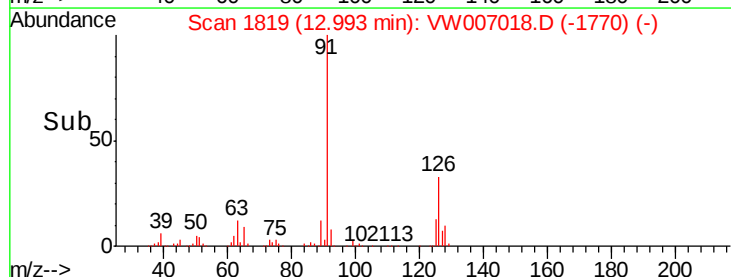
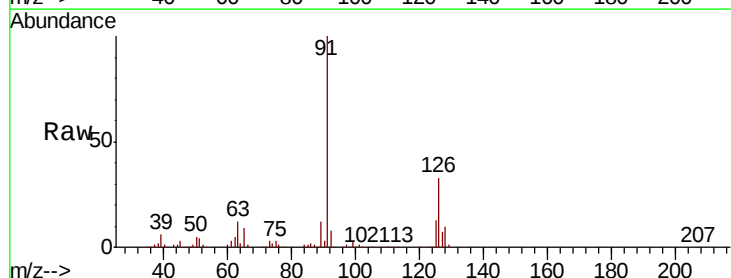
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#82
4-Chlorotoluene
Concen: 48.822 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.6	49.7





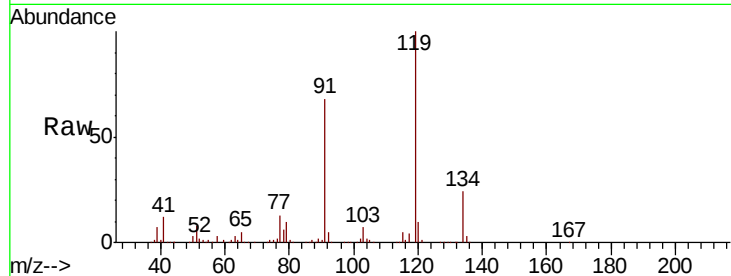
#83
tert-Butylbenzene
Concen: 47.883 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

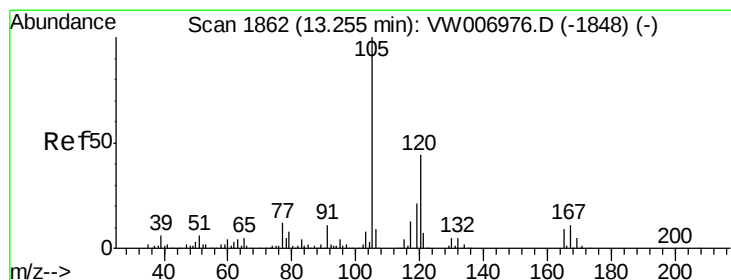
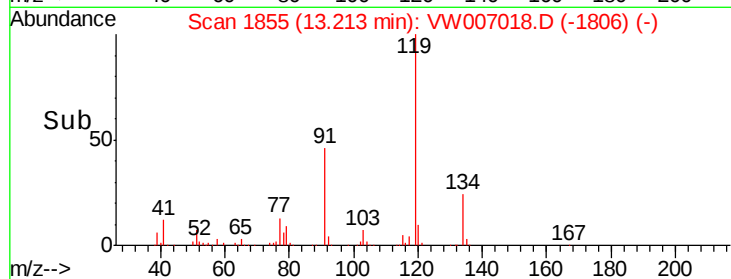
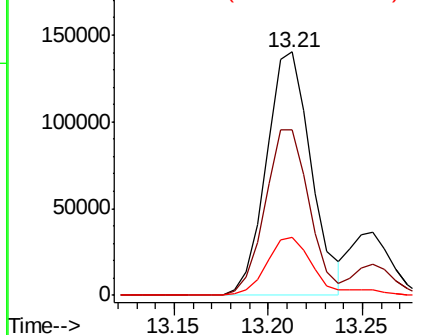
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.5	100.5
134	25.4	12.6	37.8

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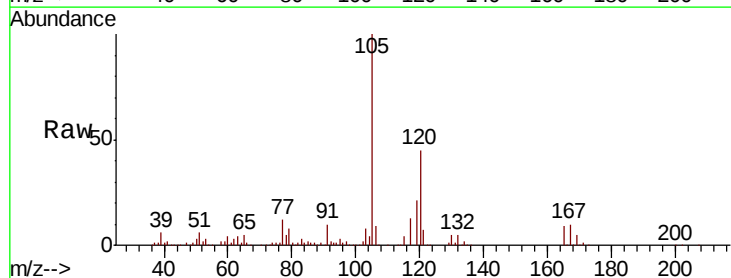


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

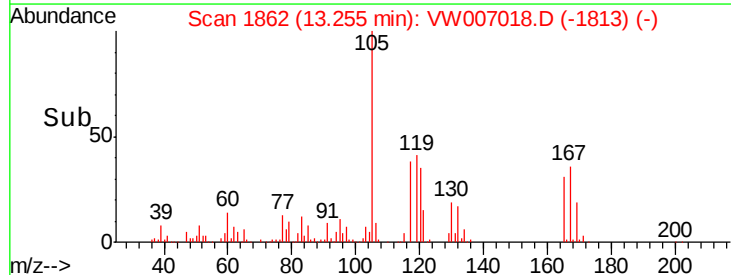
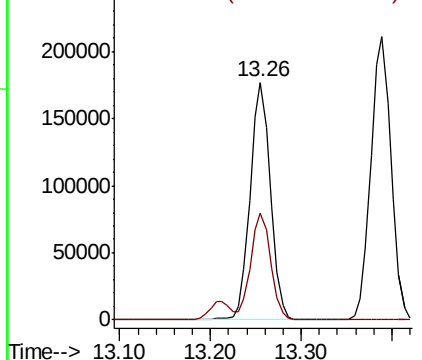


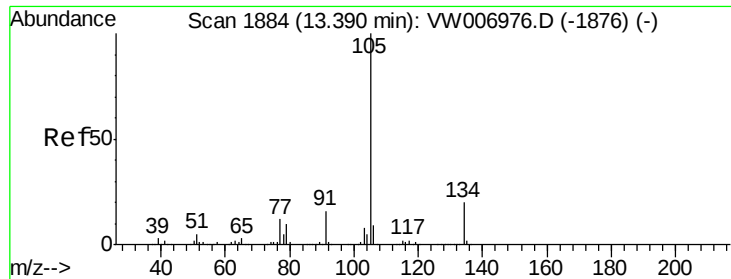
#84
1,2,4-Trimethylbenzene
Concen: 49.275 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.3



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





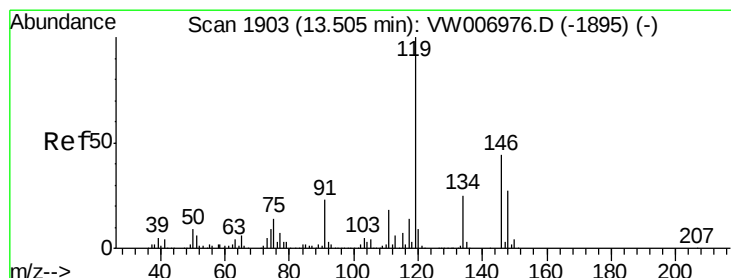
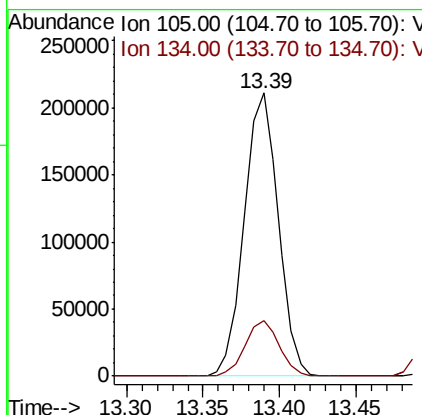
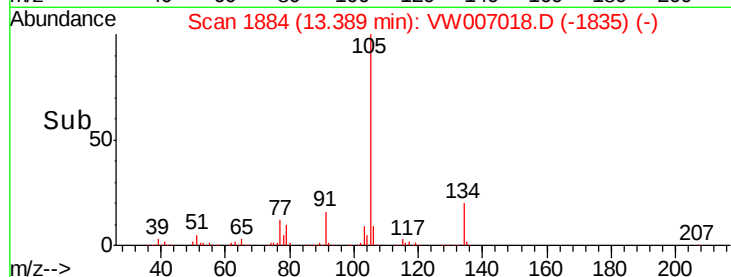
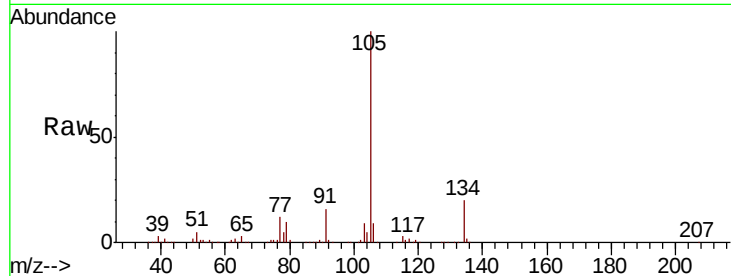
#85
 sec-Butylbenzene
 Concen: 47.747 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3

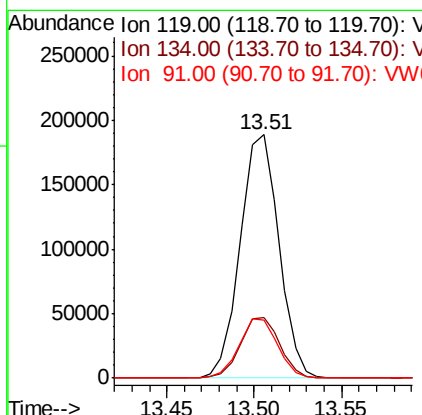
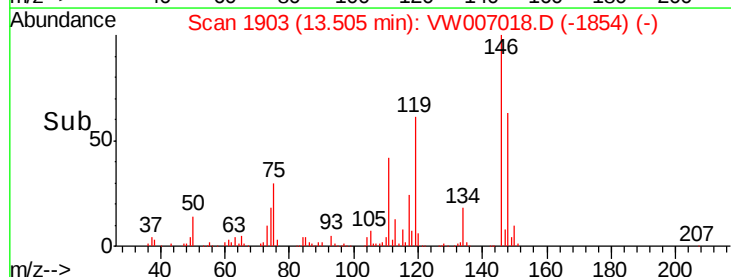
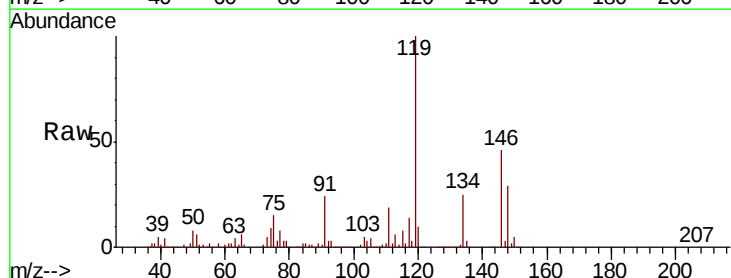
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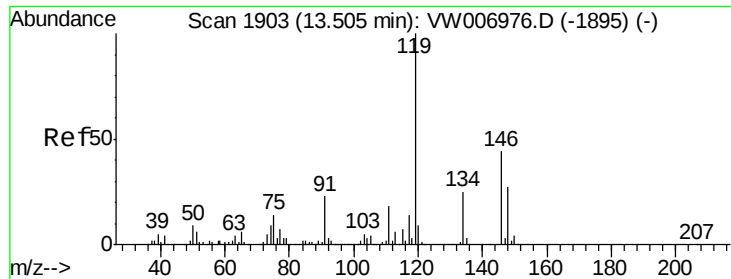
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#86
 p-Isopropyltoluene
 Concen: 48.302 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.3
91	24.3	12.2	36.6





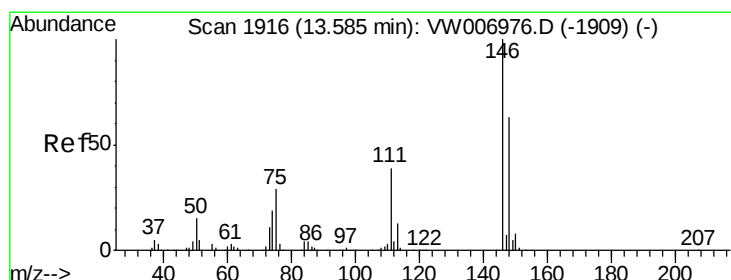
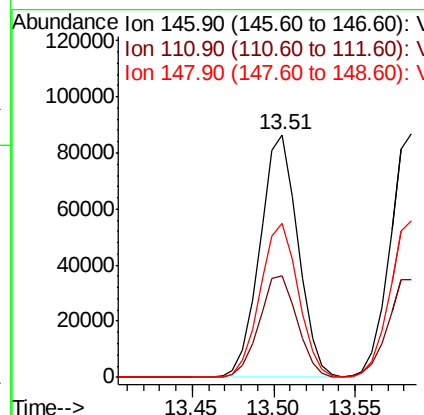
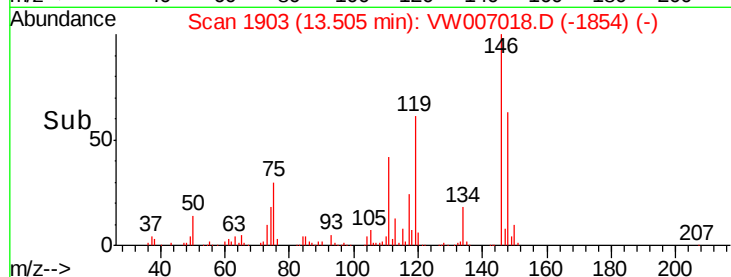
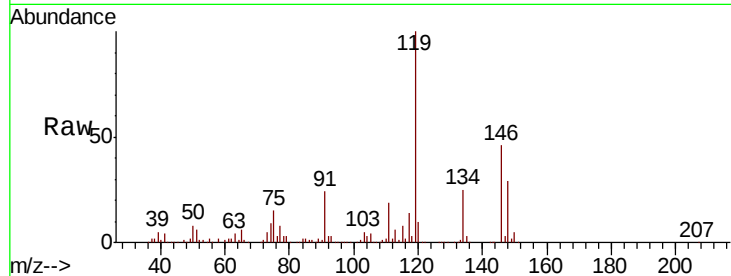
#87
 1,3-Dichlorobenzene
 Concen: 49.261 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.1	21.1	63.3	
148	63.8	31.6	94.8	

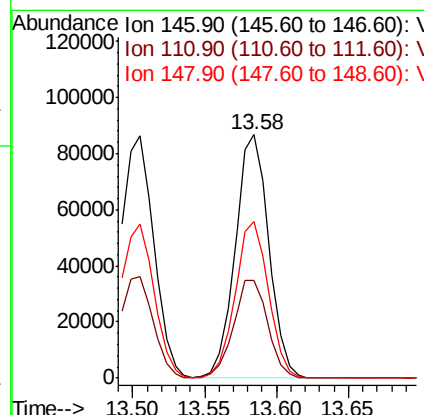
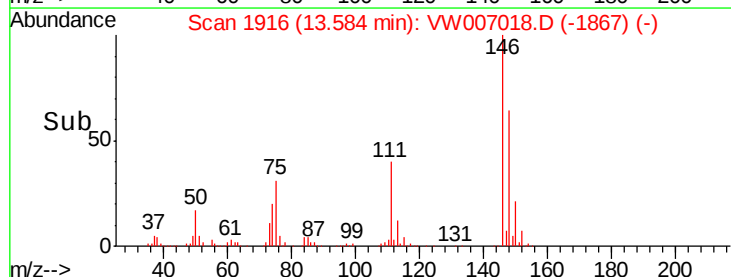
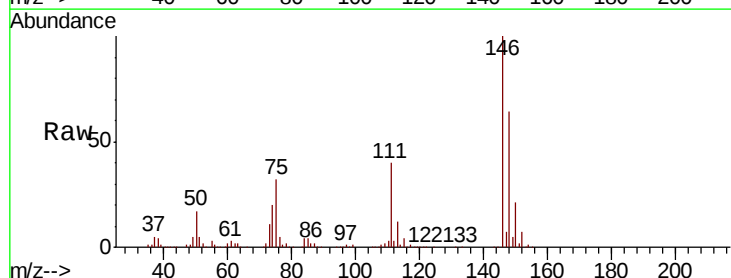
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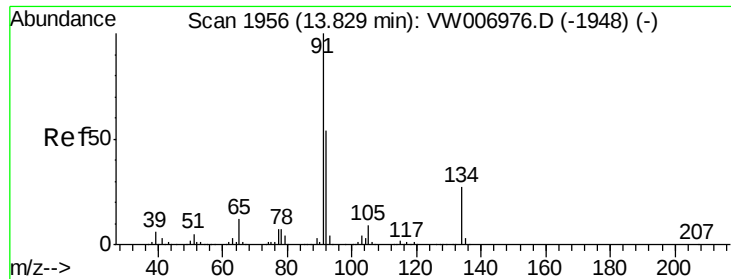
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#88
 1,4-Dichlorobenzene
 Concen: 49.792 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.2	20.6	61.8	
148	63.8	32.3	96.8	





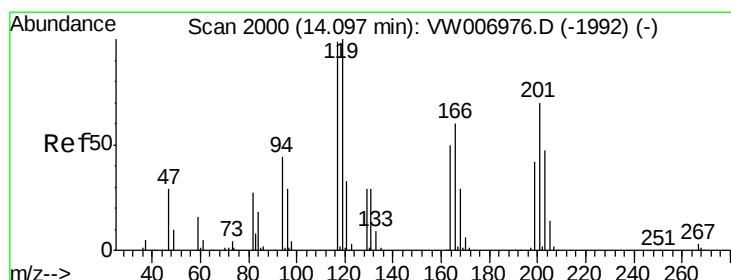
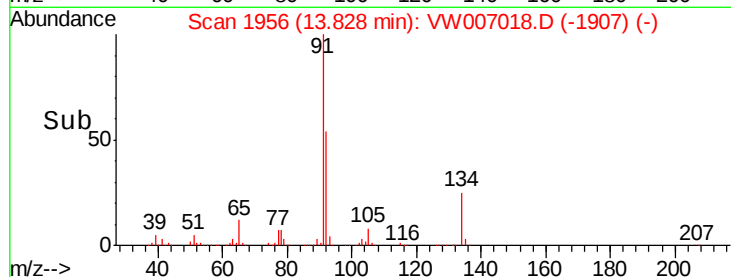
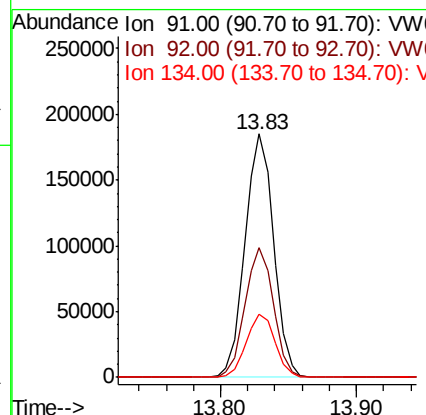
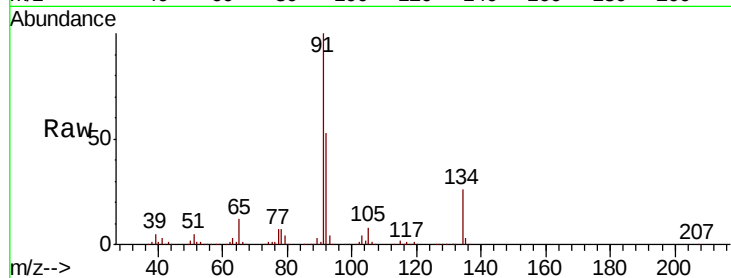
#89
n-Butylbenzene
Concen: 47.917 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	26.3	13.3	39.8

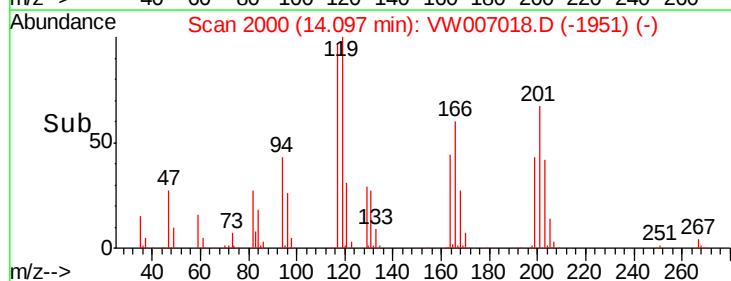
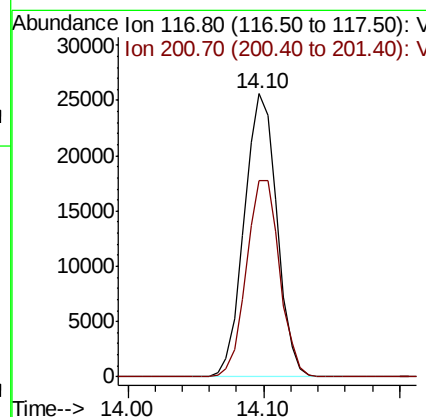
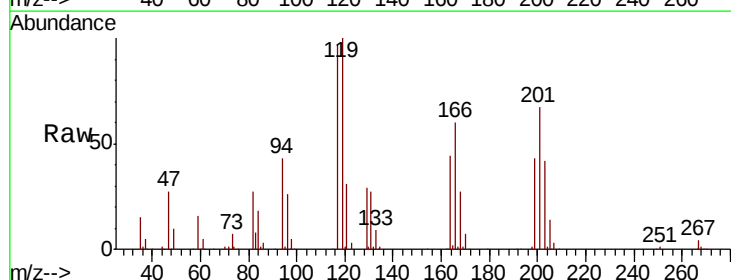
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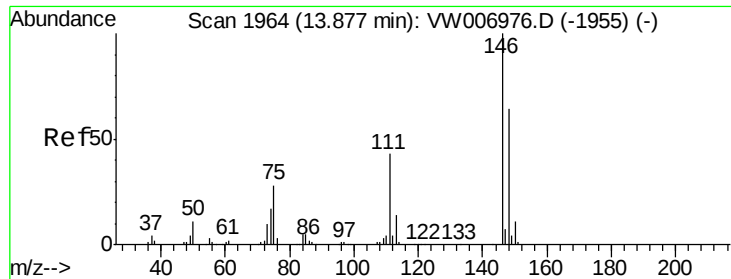
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#90
Hexachloroethane
Concen: 48.864 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.7	35.9	107.5





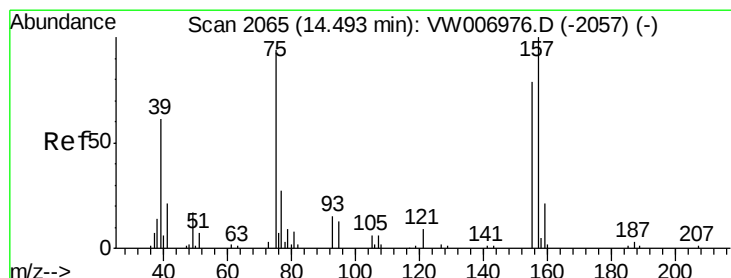
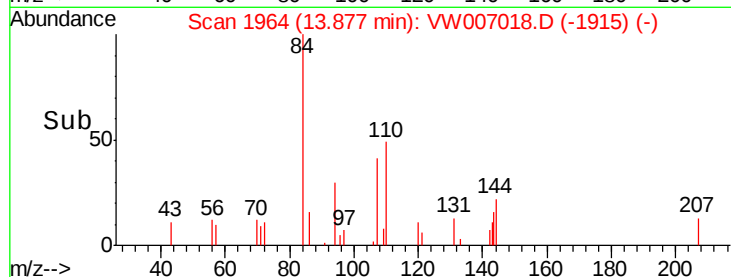
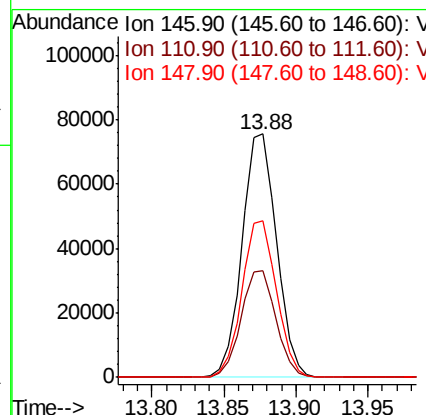
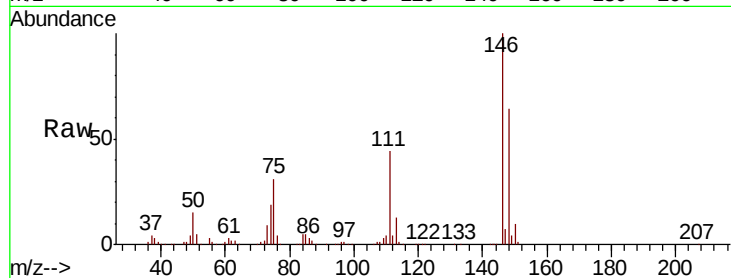
#91
 1,2-Dichlorobenzene
 Concen: 50.545 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.9	65.7
148	64.4	32.2	96.6

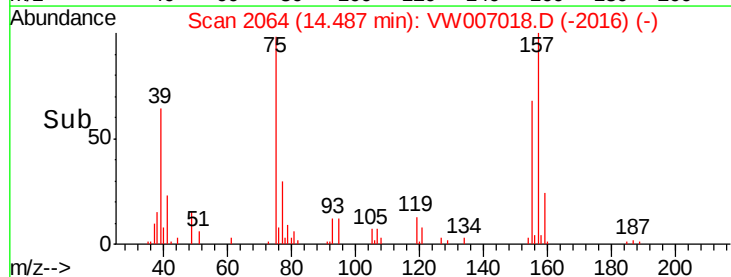
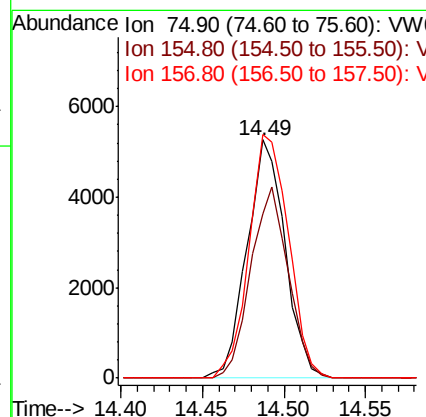
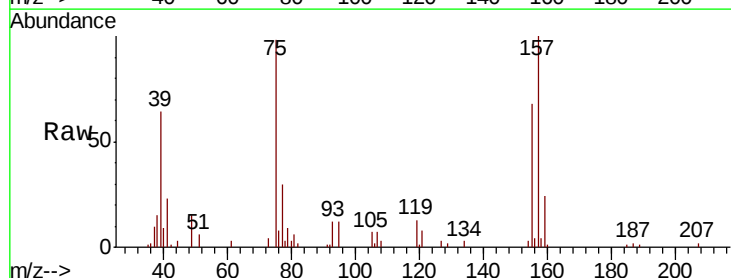
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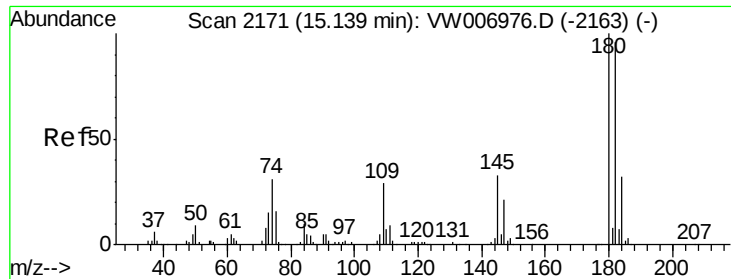
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.913 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	42.6	127.8
157	106.1	55.0	165.0





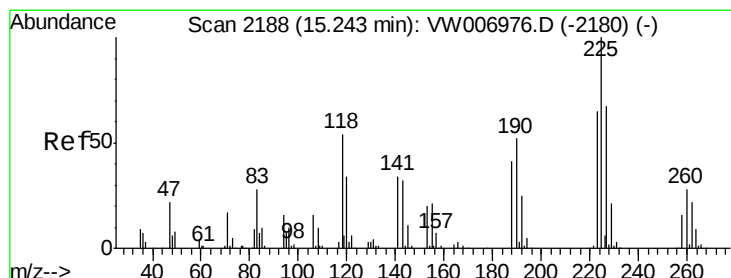
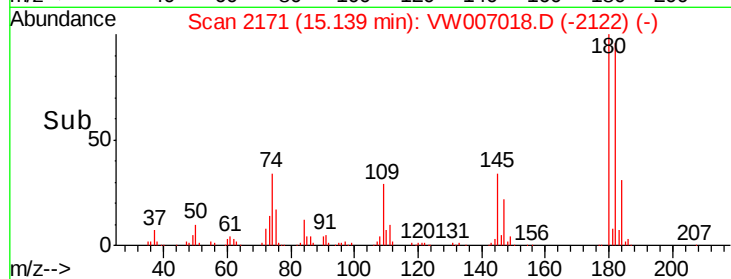
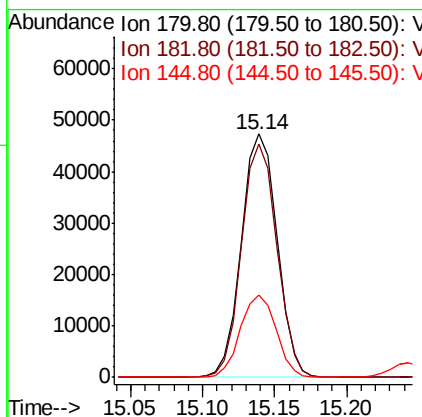
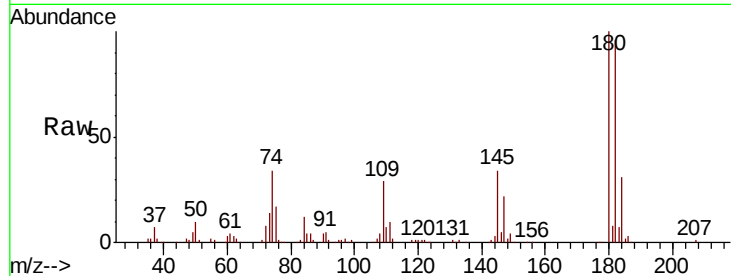
#93
1,2,4-Trichlorobenzene
Concen: 49.686 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.3
145	33.9	16.5	49.5

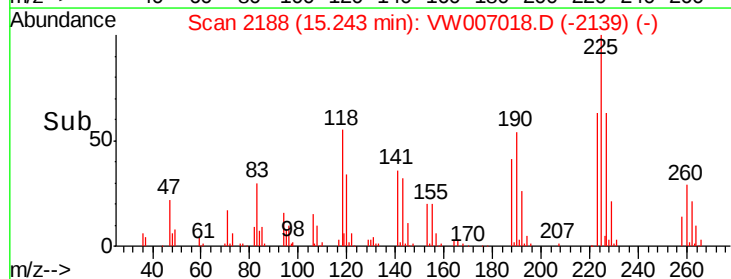
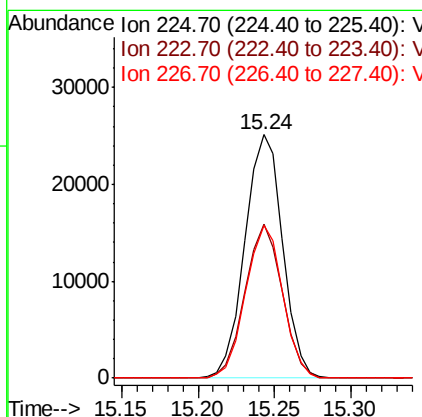
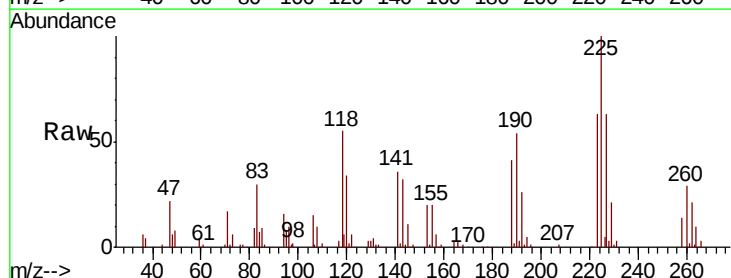
Manual Integrations
APPROVED

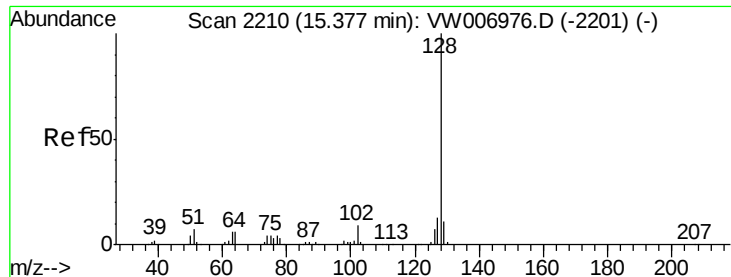
MMDadoda
11/26/2018 1:04:51 PM



#94
Hexachlorobutadiene
Concen: 48.464 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.0
227	61.6	31.9	95.5





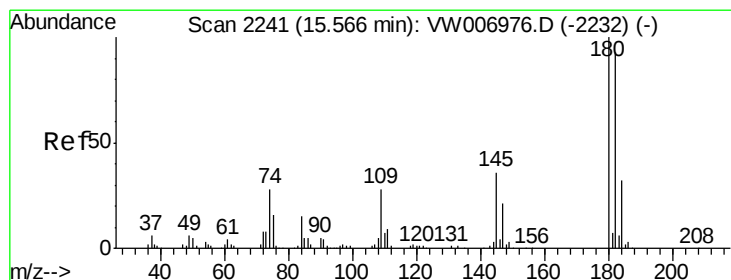
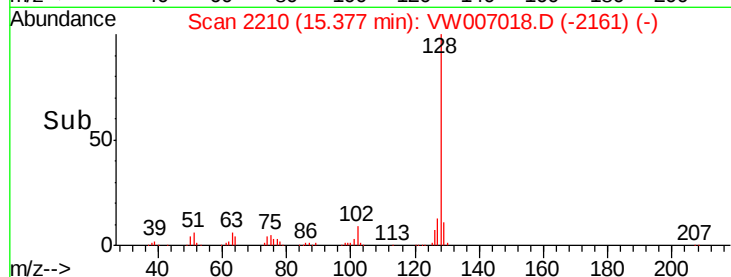
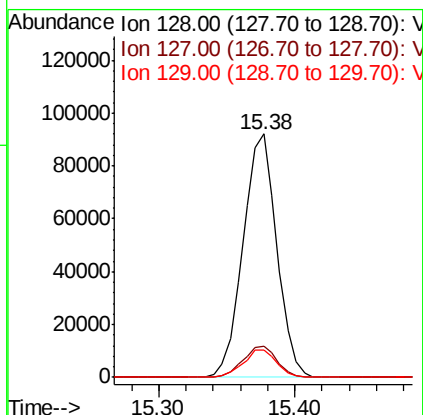
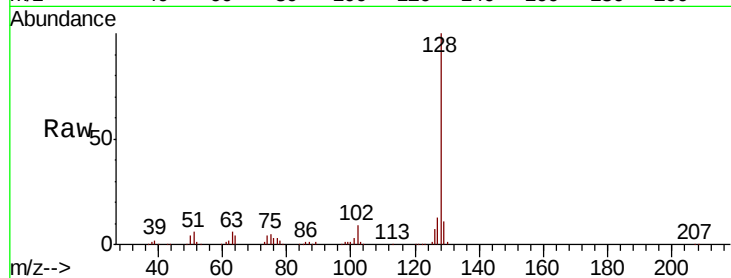
#95
Naphthalene
Concen: 53.662 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/26/2018 1:04:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.851 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.0	141.2
145	35.3	18.0	54.0

