

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010022.D
 Acq On : 17 Apr 2019 18:02
 Operator : SY/VA
 Sample : VW0417SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:48 AM

Quant Time: Apr 18 03:09:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	396988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	649472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	591215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	301642	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	257016	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.88	113	205577	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.32	98	808273	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.62	95	293162	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	54103	17.874	ug/l	94
3) Chloromethane	2.21	50	56729	18.741	ug/l	98
4) Vinyl Chloride	2.37	62	65905	18.730	ug/l	99
5) Bromomethane	2.77	94	45062	19.057	ug/l	96
6) Chloroethane	2.92	64	45354	19.727	ug/l	99
7) Trichlorofluoromethane	3.25	101	41757	17.164	ug/l	99
8) Diethyl Ether	3.67	74	39121	19.332	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	76693	18.735	ug/l	97
10) Methyl Iodide	4.26	142	106226	18.777	ug/l	98
11) Tert butyl alcohol	5.17	59	31089	111.409	ug/l	96
12) 1,1-Dichloroethene	4.03	96	73003	18.602	ug/l	97
13) Acrolein	3.89	56	26888	91.588	ug/l	94
14) Allyl chloride	4.65	41	121473	17.410	ug/l	97
15) Acrylonitrile	5.36	53	105860	101.649	ug/l	99
16) Acetone	4.12	43	102988	90.604	ug/l	98
17) Carbon Disulfide	4.37	76	194572	17.355	ug/l	97
18) Methyl Acetate	4.67	43	51886	19.723	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	107784	21.144	ug/l	98
20) Methylene Chloride	4.91	84	97997	19.551	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	80224	18.877	ug/l	98
22) Diisopropyl ether	6.31	45	283004	19.996	ug/l	97
23) Vinyl Acetate	6.25	43	936970	105.165	ug/l	99
24) 1,1-Dichloroethane	6.21	63	162721	19.233	ug/l	98
25) 2-Butanone	7.17	43	162386	108.753	ug/l	97
26) 2,2-Dichloropropane	7.16	77	86833	18.550	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	90020	19.260	ug/l	99
28) Bromochloromethane	7.51	49	72186	20.877	ug/l	99
29) Tetrahydrofuran	7.52	42	105419	111.423	ug/l	97
30) Chloroform	7.67	83	166286	19.614	ug/l	100
31) Cyclohexane	7.95	56	148958	18.801	ug/l	# 93
32) 1,1,1-Trichloroethane	7.87	97	126979	19.079	ug/l	99
36) 1,1-Dichloropropene	8.07	75	124469	18.762	ug/l	99
37) Ethyl Acetate	7.25	43	74661	22.147	ug/l	97
38) Carbon Tetrachloride	8.06	117	121862	18.821	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	138640	17.960	ug/l	94
40) Benzene	8.32	78	347179	19.139	ug/l	100
41) Methacrylonitrile	7.48	41	41998	21.859	ug/l	98
42) 1,2-Dichloroethane	8.40	62	122739	19.689	ug/l	99
43) Isopropyl Acetate	8.42	43	135738	21.487	ug/l	96
44) Trichloroethene	9.09	130	86366	18.746	ug/l	98
45) 1,2-Dichloropropane	9.37	63	91685	19.229	ug/l	98
46) Dibromomethane	9.46	93	48515	19.632	ug/l	98
47) Bromodichloromethane	9.64	83	121694	19.076	ug/l	97
48) Methyl methacrylate	9.43	41	63286	20.580	ug/l	98
49) 1,4-Dioxane	9.45	88	15146	401.107	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	367270	111.003	ug/l	98
52) Toluene	10.38	92	218761	19.360	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	122143	19.312	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	136426	18.890	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	68039	19.726	ug/l	96
56) Ethyl methacrylate	10.65	69	87480	19.941	ug/l	99
57) 1,3-Dichloropropane	10.93	76	121125	19.592	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	221410	107.426	ug/l	100
59) 2-Hexanone	10.97	43	255472	110.921	ug/l	98
60) Dibromochloromethane	11.13	129	76553	19.203	ug/l	100
61) 1,2-Dibromoethane	11.23	107	64578	19.681	ug/l	98
64) Tetrachloroethene	10.86	164	75049	19.554	ug/l	98
65) Chlorobenzene	11.66	112	233267	19.277	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	85541	19.768	ug/l	98
67) Ethyl Benzene	11.73	91	418115	19.367	ug/l	96
68) m/p-Xylenes	11.84	106	315291	39.068	ug/l	99
69) o-Xylene	12.16	106	145263	19.768	ug/l	98
70) Styrene	12.18	104	242513	19.141	ug/l	98
71) Bromoform	12.35	173	44984	19.659	ug/l	# 97
73) Isopropylbenzene	12.46	105	410404	19.549	ug/l	99
74) N-amyl acetate	12.27	43	123525	21.247	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	83963	20.243	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61086m	20.234	ug/l	
77) Bromobenzene	12.75	156	95254	19.729	ug/l	100
78) n-propylbenzene	12.80	91	517561	19.892	ug/l	99
79) 2-Chlorotoluene	12.90	91	294371	19.672	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	344517	19.355	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25981	20.292	ug/l	97
82) 4-Chlorotoluene	12.99	91	312690	19.854	ug/l	99
83) tert-Butylbenzene	13.21	119	291928	19.804	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	361266	20.018	ug/l	100
85) sec-Butylbenzene	13.38	105	439799	19.965	ug/l	99
86) p-Isopropyltoluene	13.50	119	381133	19.630	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	191880	19.660	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	192792	19.790	ug/l	98
89) n-Butylbenzene	13.83	91	376616	19.579	ug/l	99
90) Hexachloroethane	14.10	117	72067	19.380	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	174789	19.973	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16204	21.831	ug/l	96

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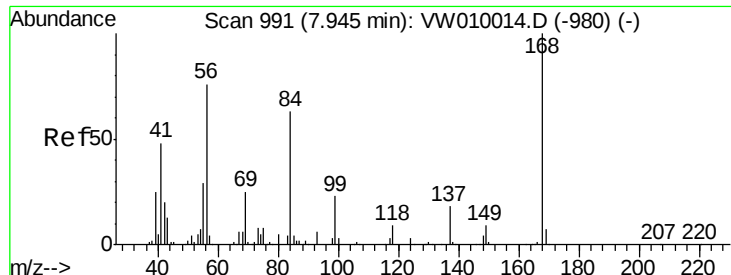
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	114886	19.899	ug/l	99
94) Hexachlorobutadiene	15.24	225	68835	19.634	ug/l	99
95) Naphthalene	15.37	128	216935	20.567	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	101586	20.281	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion:168 Resp: 396988

Ion Ratio Lower Upper

168 100

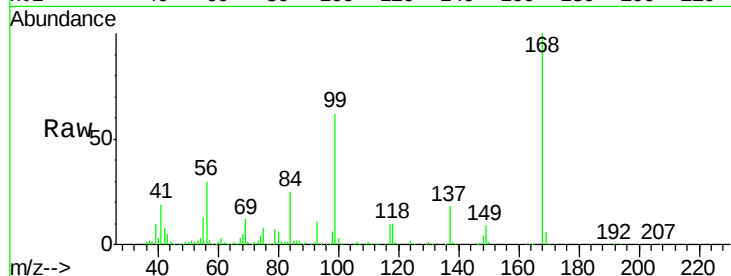
99 61.5 48.4 72.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

50000

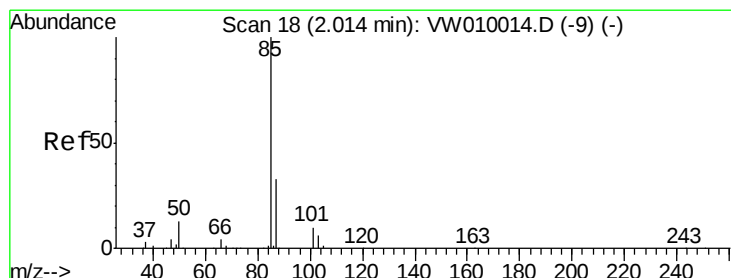
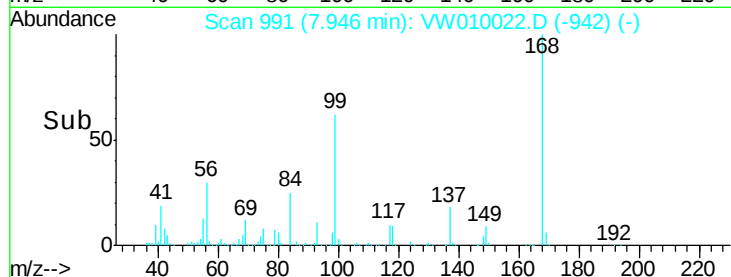
0

7.80

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.874 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010022.D

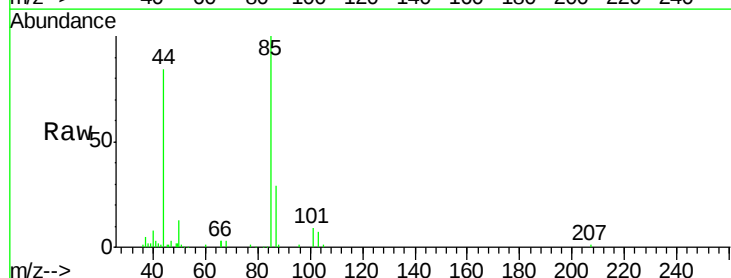
Acq: 17 Apr 2019 18:02

Tgt Ion: 85 Resp: 54103

Ion Ratio Lower Upper

85 100

87 29.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

10000

5000

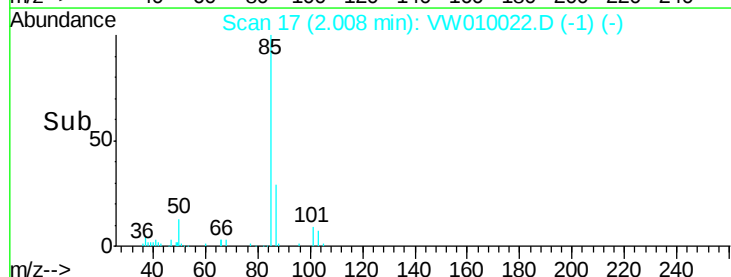
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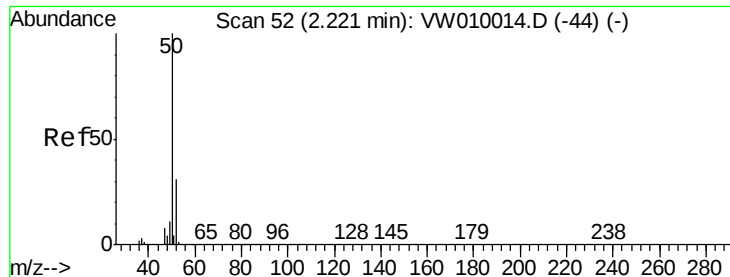
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 18.741 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 50 Resp: 56729

Ion Ratio Lower Upper

50 100

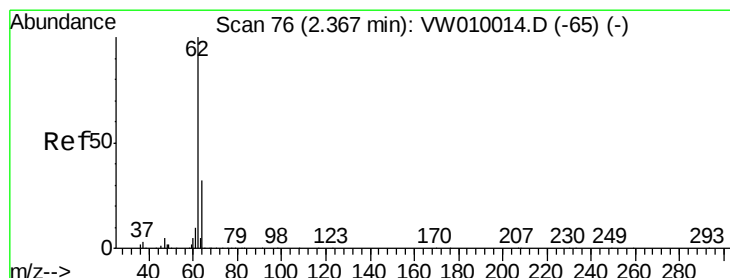
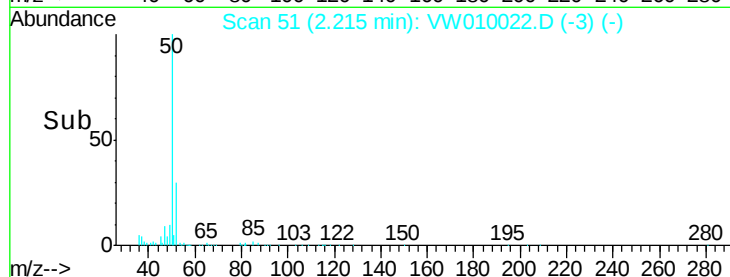
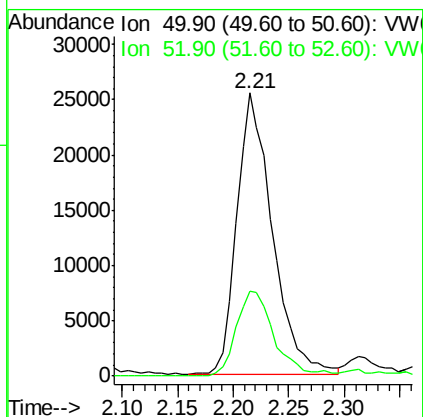
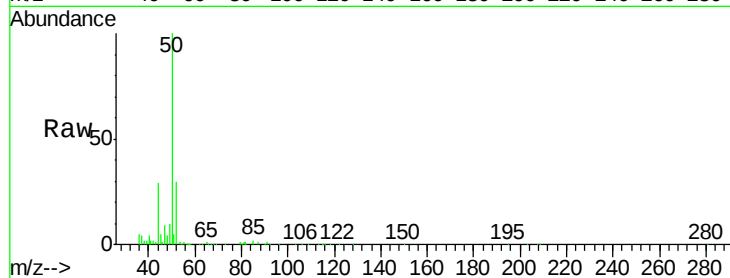
52 30.1 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.730 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW010022.D

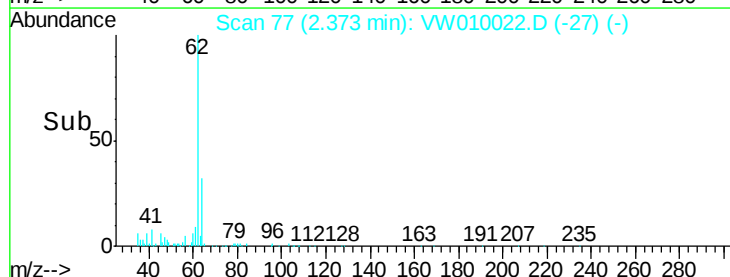
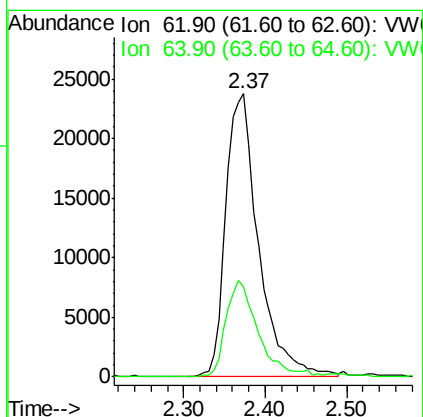
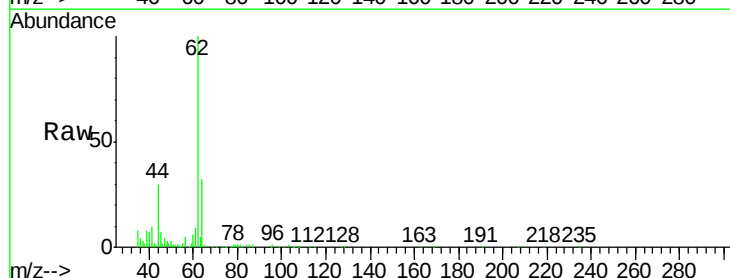
Acq: 17 Apr 2019 18:02

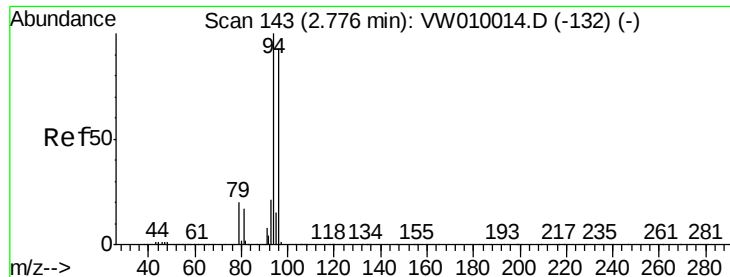
Tgt Ion: 62 Resp: 65905

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 19.057 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

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VW0417SBS01

Tot Ion: 94 Resp: 45062

Ion Ratio Lower Upper

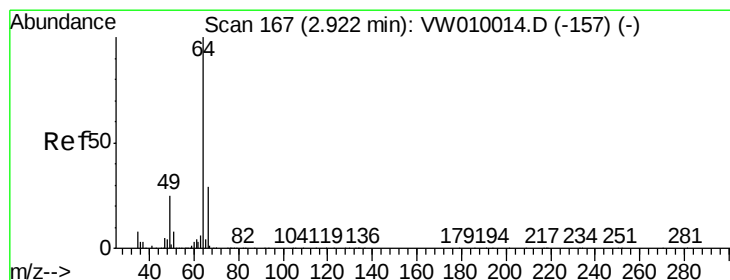
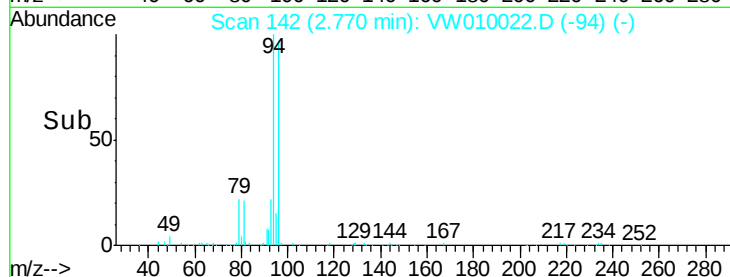
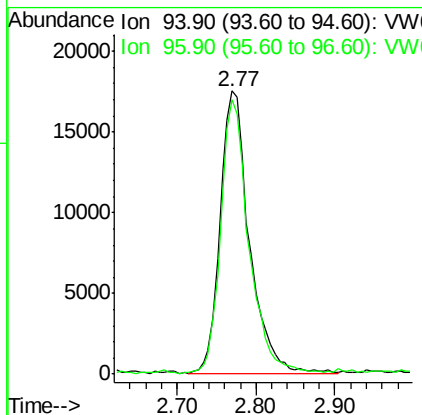
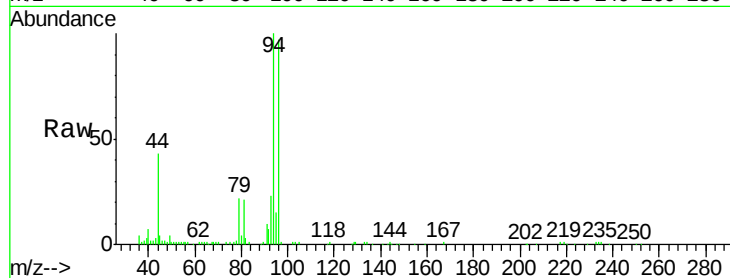
94 100

96 96.6 74.2 111.2

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#6

Chloroethane

Concen: 19.727 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010022.D

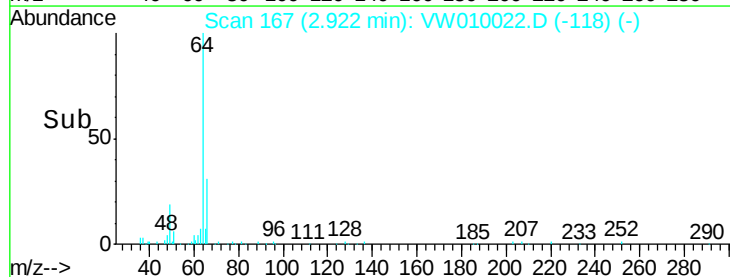
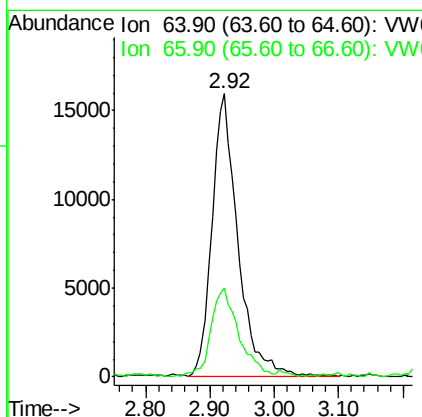
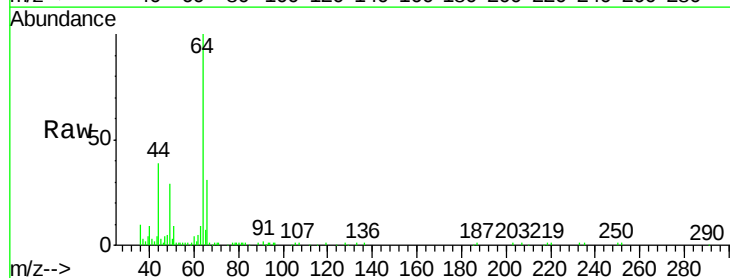
Acq: 17 Apr 2019 18:02

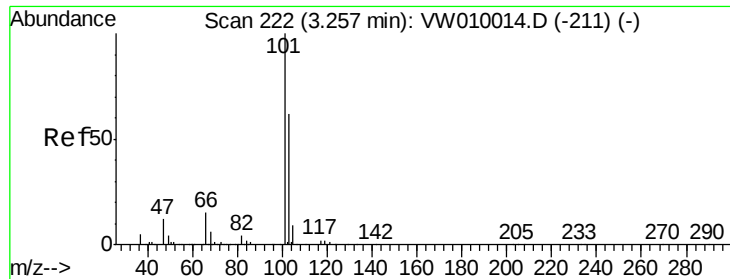
Tgt Ion: 64 Resp: 45354

Ion Ratio Lower Upper

64 100

66 30.0 23.4 35.0





#7

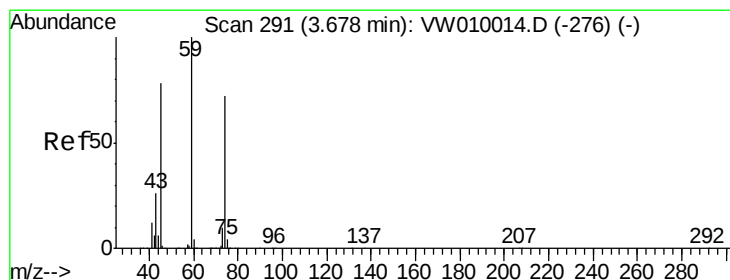
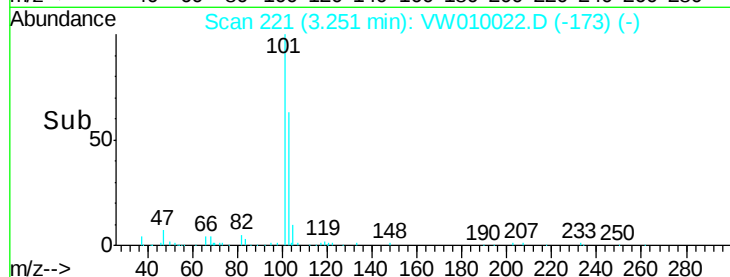
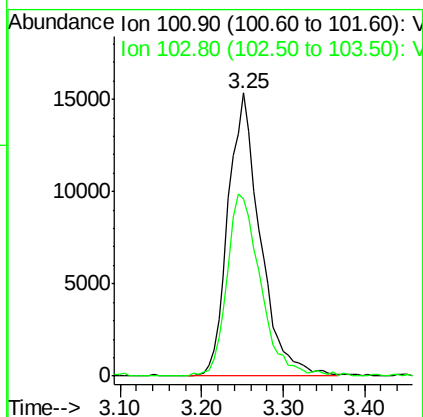
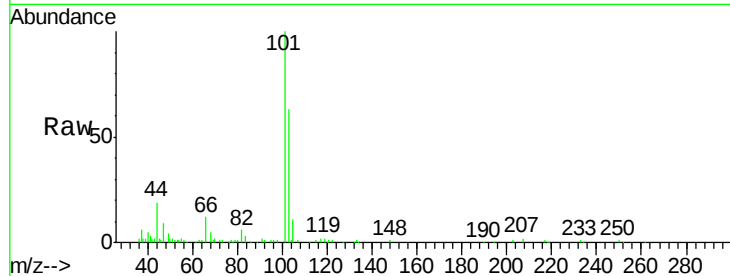
Trichlorofluoromethane
Concen: 17.164 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

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ClientSampleId :
VW0417SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	49.8	74.6

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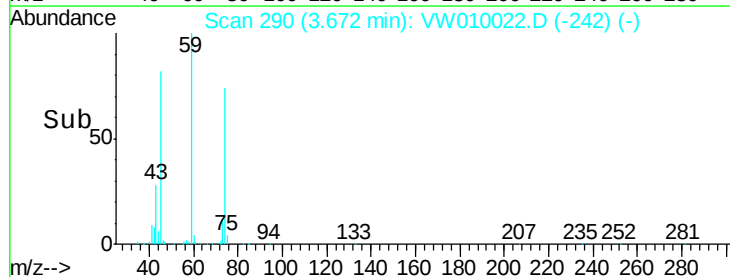
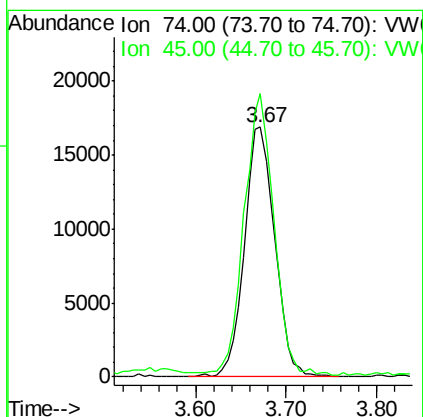
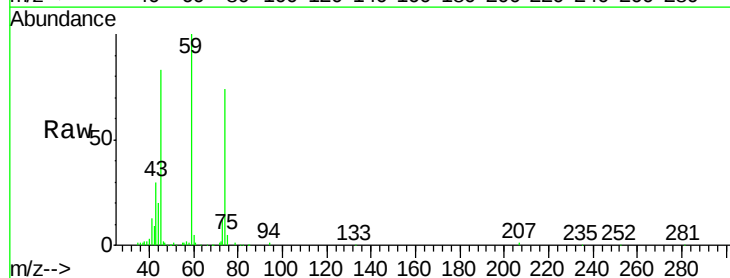
MMDadoda
4/18/2019 11:40:48 AM

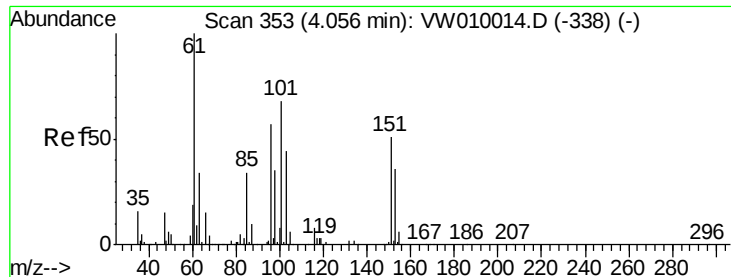


#8

Diethyl Ether
Concen: 19.332 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.6	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.735 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

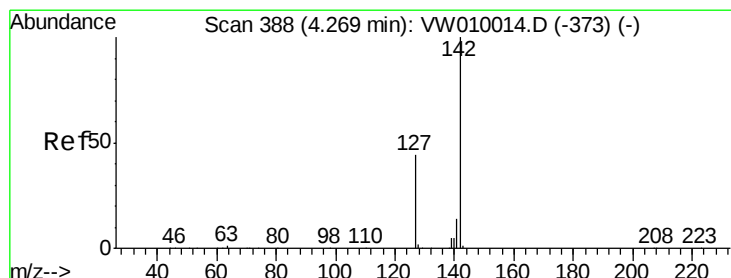
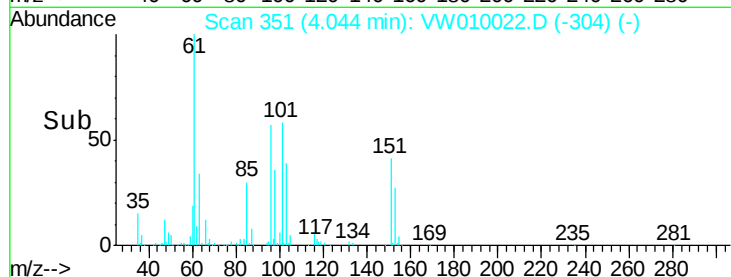
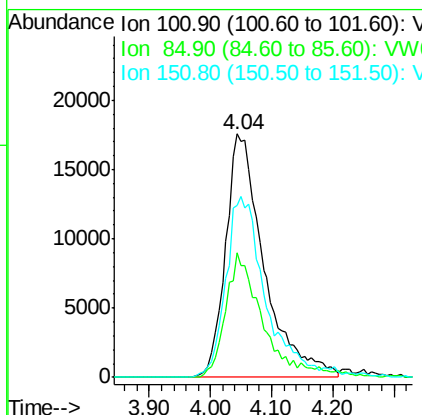
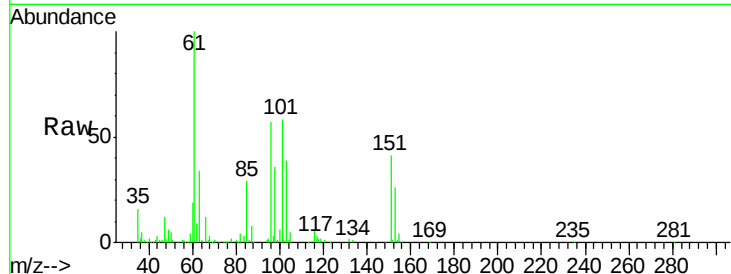
ClientSampleId :

VW0417SBS01

Tot Ion:	101	Resp:	76693
Ion Ratio	Lower	Upper	
101	100		
85	49.7	36.3	54.5
151	75.5	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.777 ug/l

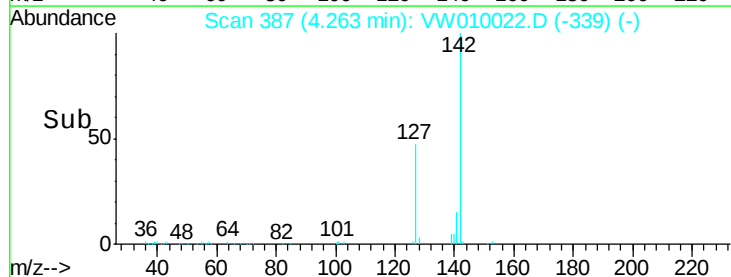
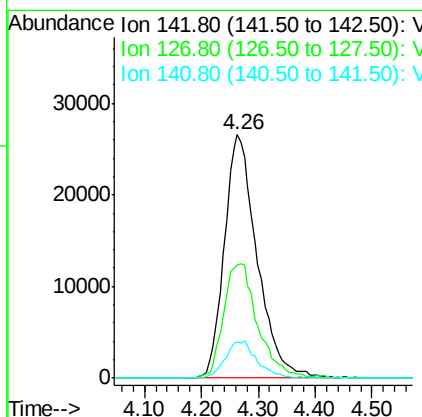
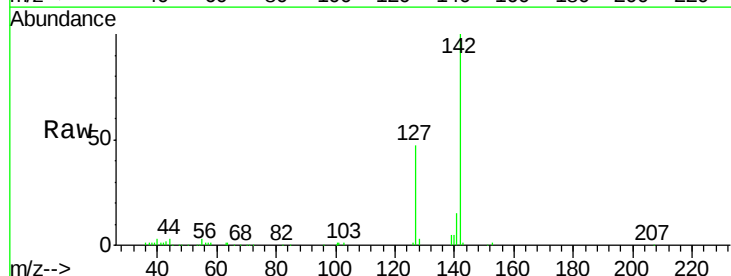
RT: 4.26 min Scan# 387

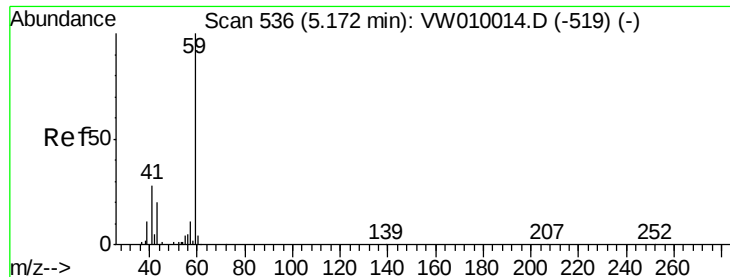
Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion:	142	Resp:	106226
Ion Ratio	Lower	Upper	
142	100		
127	48.9	38.1	57.1
141	14.8	12.2	18.2





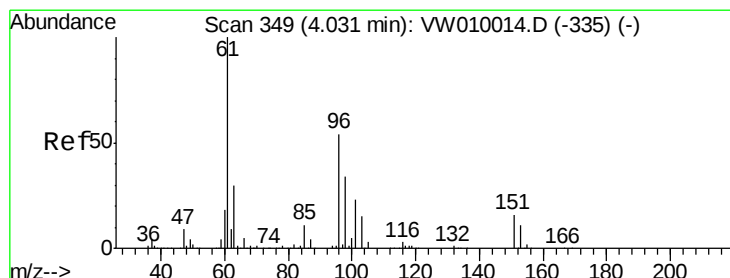
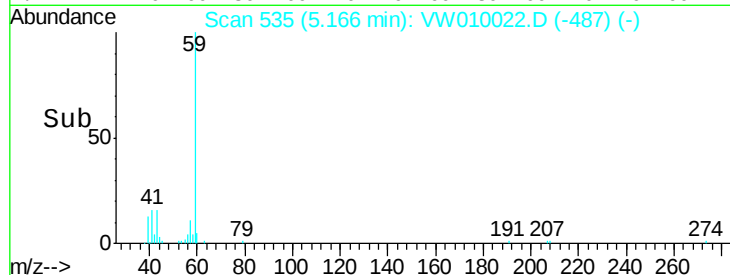
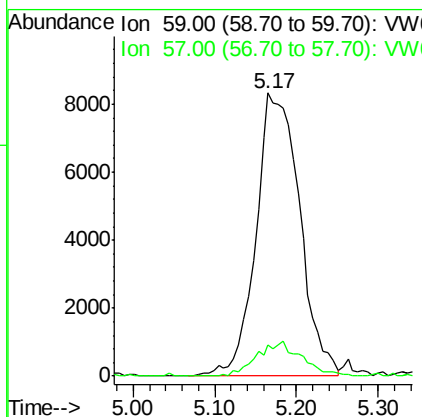
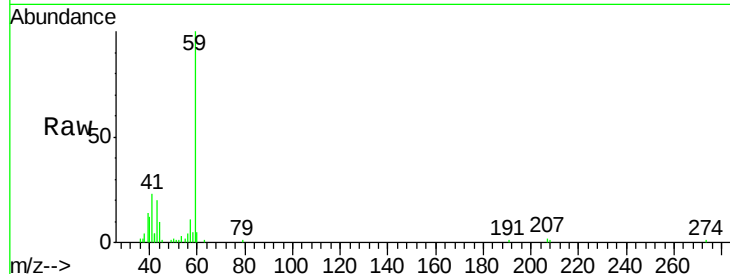
#11
Tert butyl alcohol
Concen: 111.409 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion: 59 Resp: 31089
Ion Ratio Lower Upper
59 100
57 12.6 9.0 13.4

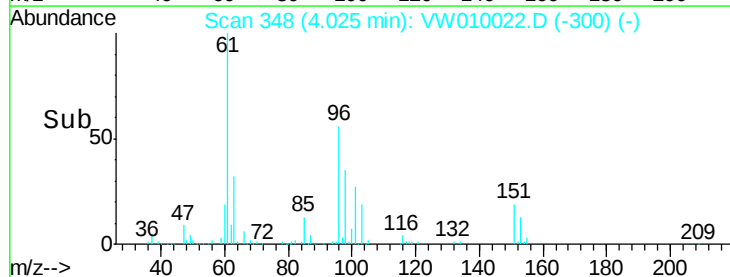
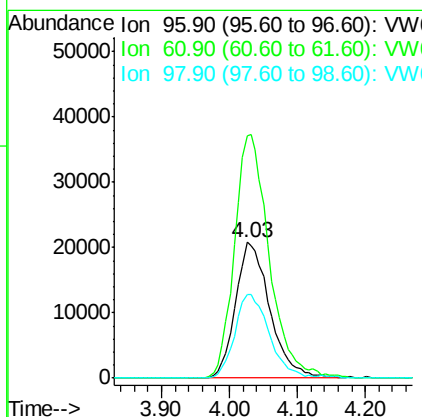
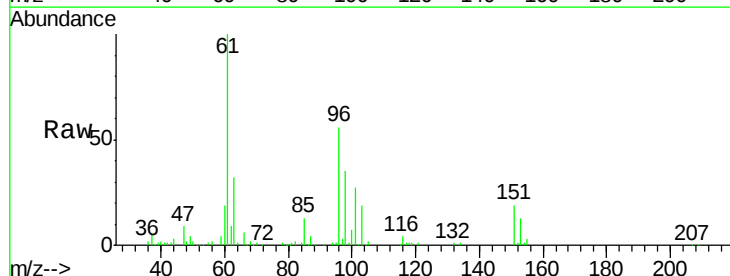
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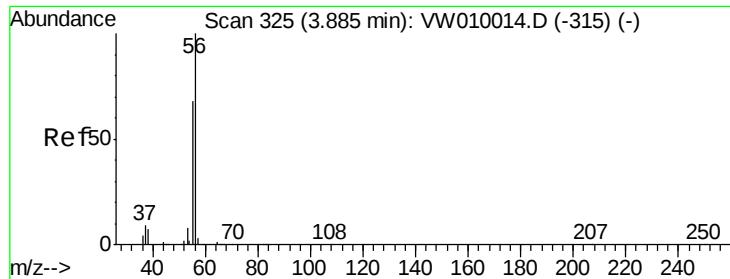
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#12
1,1-Dichloroethene
Concen: 18.602 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 96 Resp: 73003
Ion Ratio Lower Upper
96 100
61 178.2 147.4 221.2
98 61.5 49.7 74.5





#13

Acrolein

Concen: 91.588 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 56 Resp: 26888

Ion Ratio Lower Upper

56 100

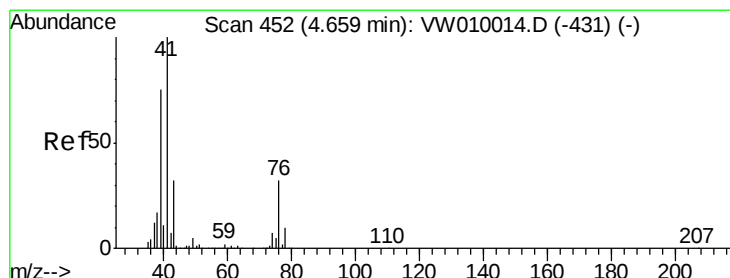
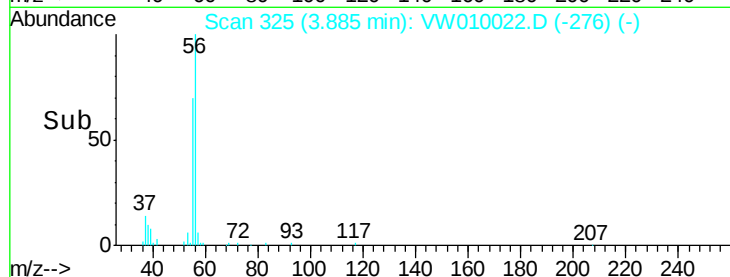
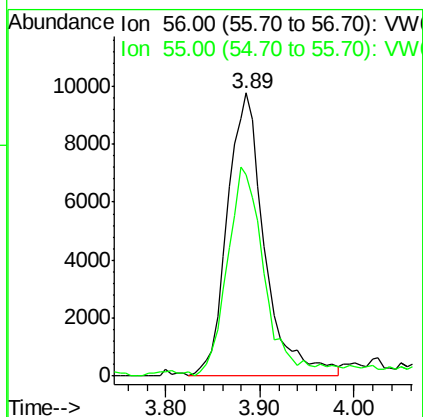
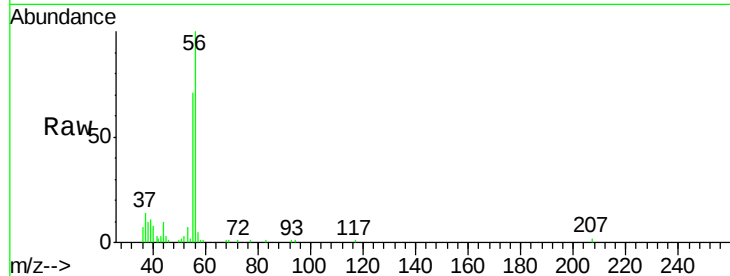
55 72.4 54.2 81.2

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#14

Allyl chloride

Concen: 17.410 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

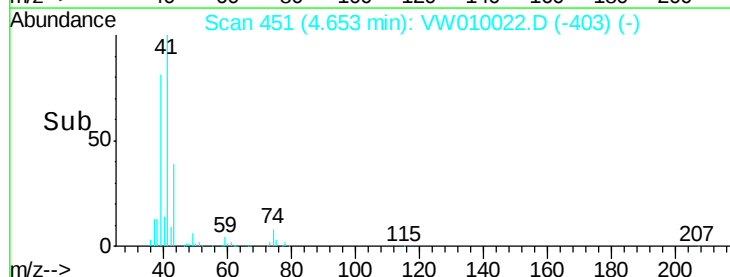
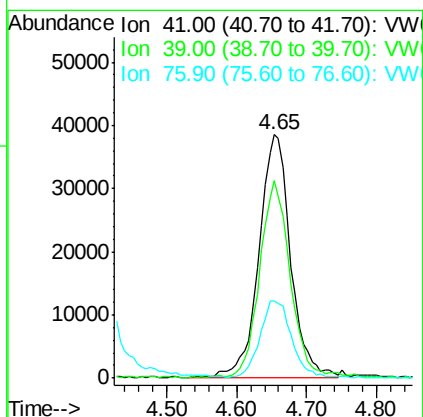
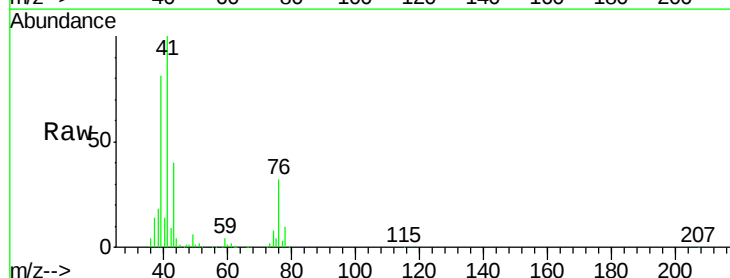
Tgt Ion: 41 Resp: 121473

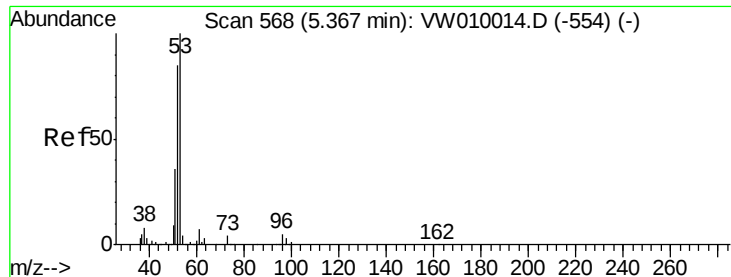
Ion Ratio Lower Upper

41 100

39 78.6 60.2 90.4

76 32.2 25.0 37.6





#15

Acrylonitrile

Concen: 101.649 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

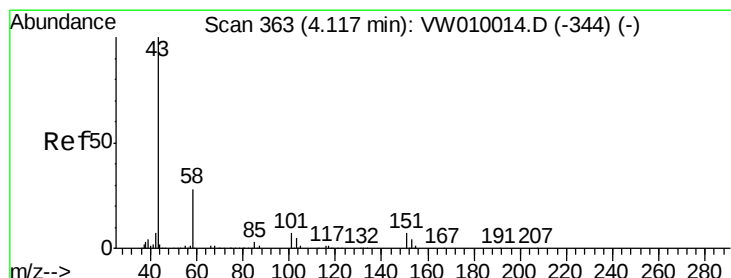
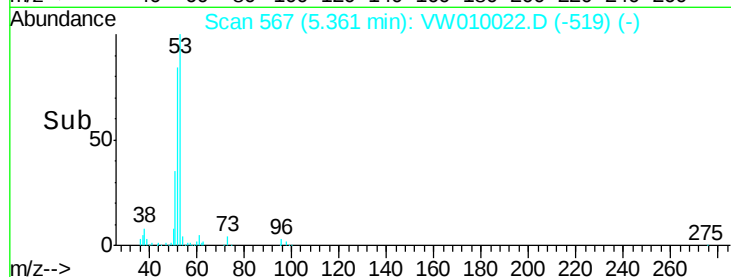
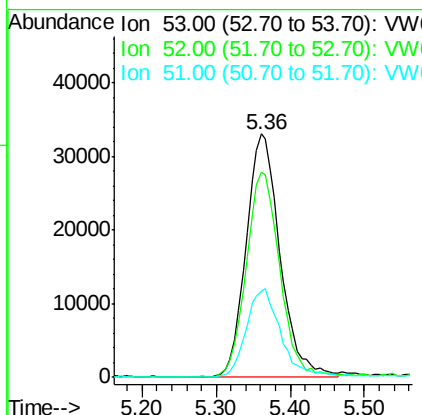
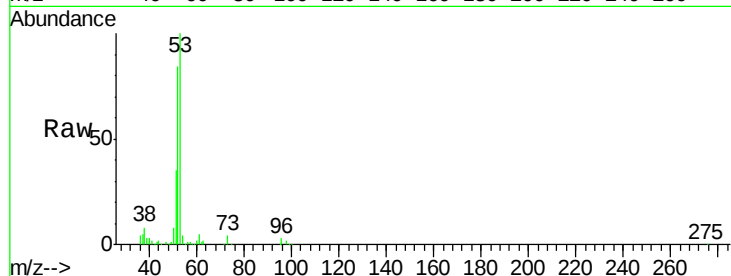
ClientSampleId :

VW0417SBS01

Tot Ion:	53	Resp:	105860
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	36.8	30.3	45.5

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#16

Acetone

Concen: 90.604 ug/l

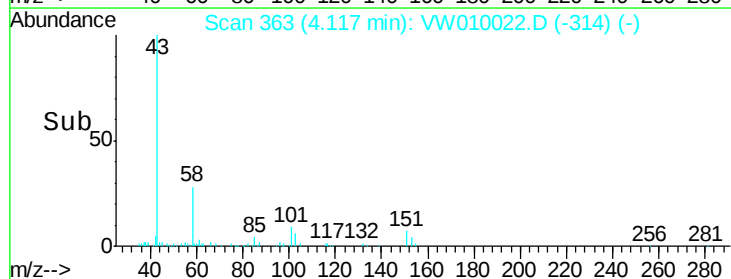
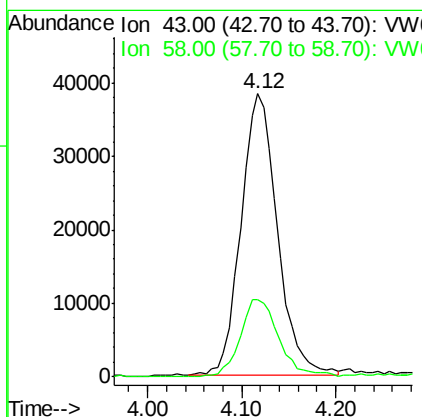
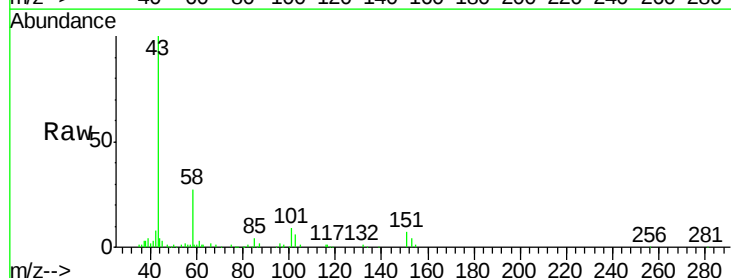
RT: 4.12 min Scan# 363

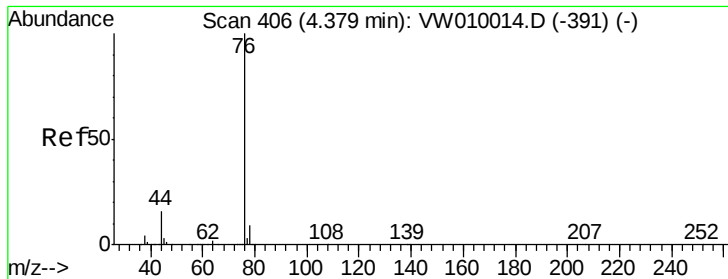
Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion:	43	Resp:	102988
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.7	34.1





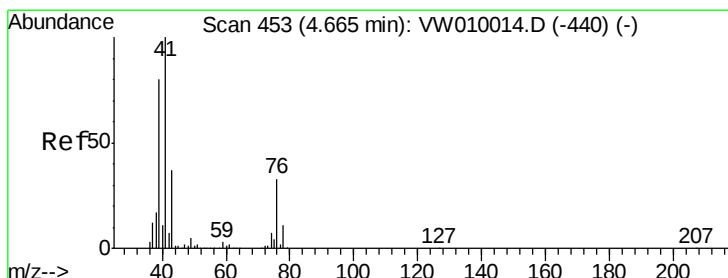
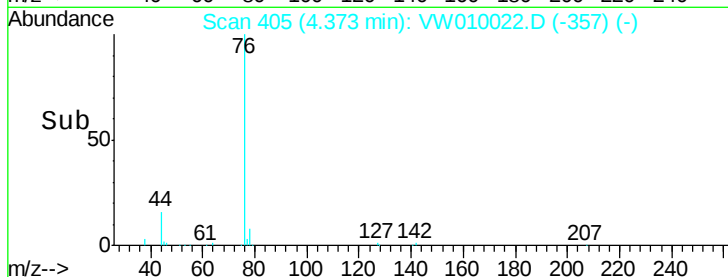
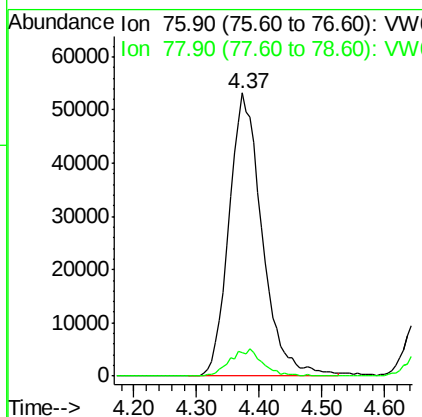
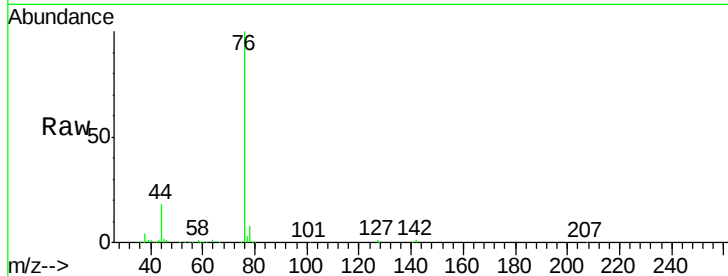
#17
Carbon Disulfide
Concen: 17.355 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.4	11.2

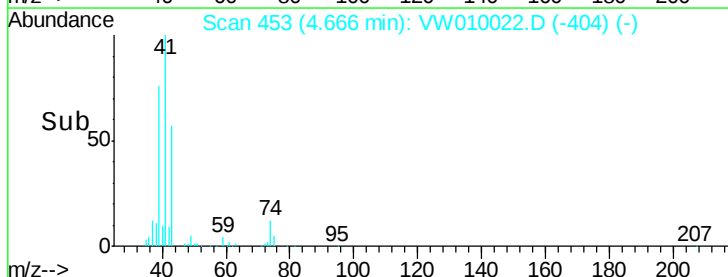
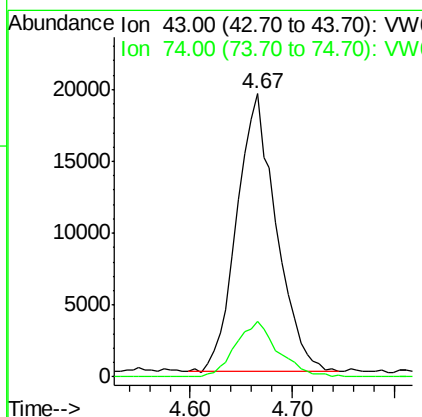
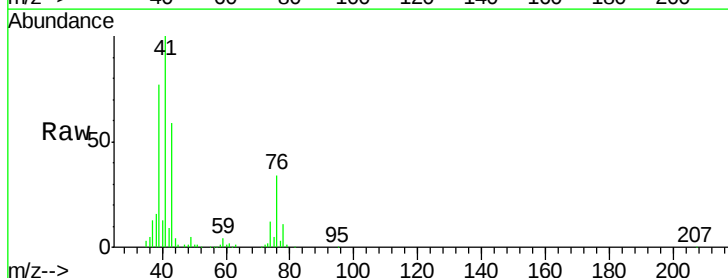
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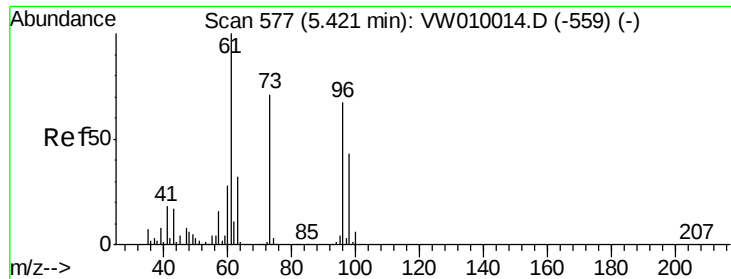
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#18
Methyl Acetate
Concen: 19.723 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.8	25.2





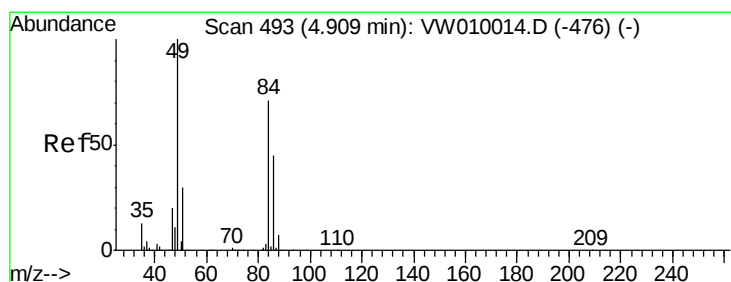
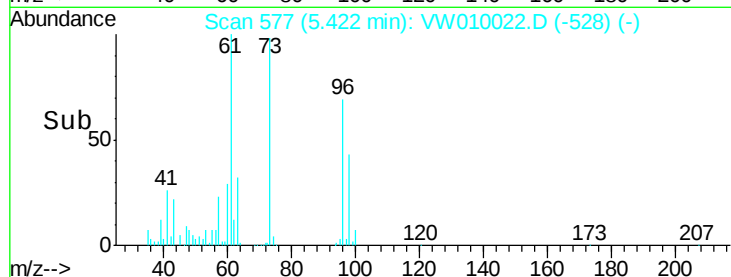
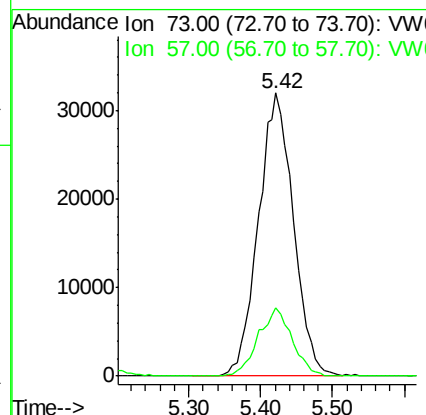
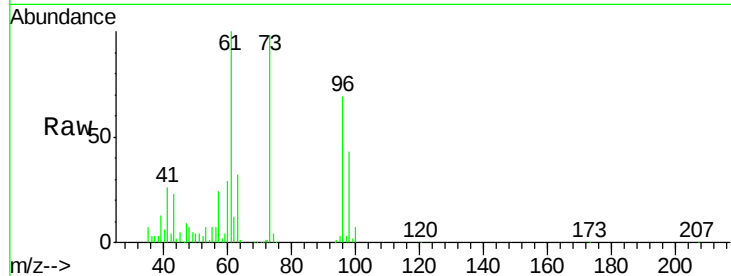
#19
Methvl tert-butvl Ether
Concen: 21.144 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	73	Resp	107784
Ion Ratio	Lower	Upper	
73	100		
57	24.2	18.5	27.7

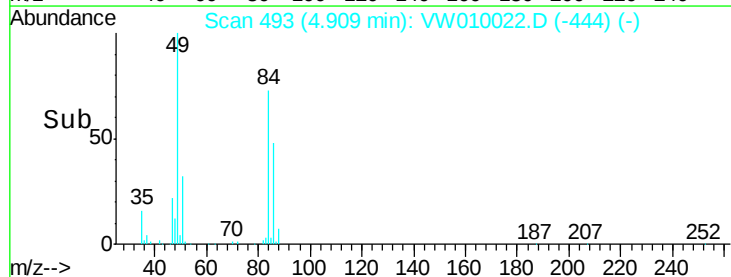
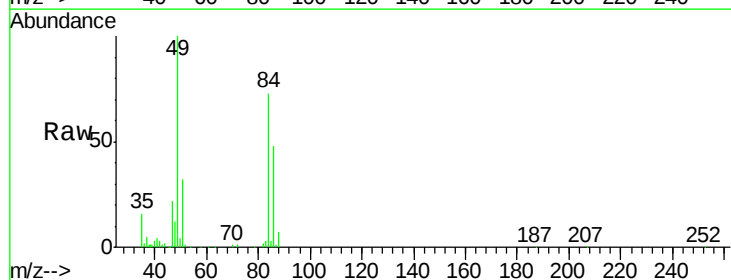
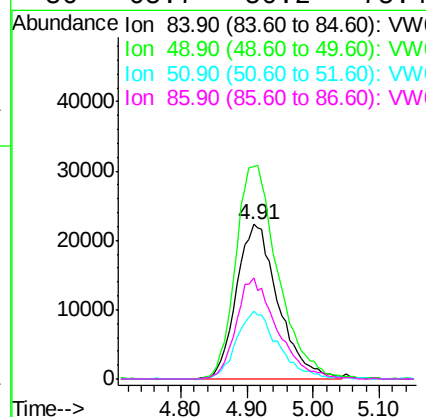
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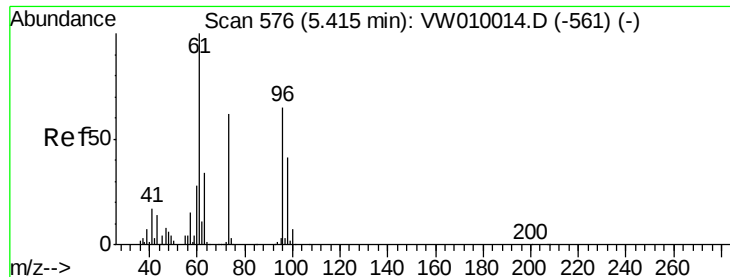
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#20
Methylene Chloride
Concen: 19.551 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	84	Resp	97997
Ion Ratio	Lower	Upper	
84	100		
49	137.6	112.3	168.5
51	43.6	33.9	50.9
86	65.7	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 18.877 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

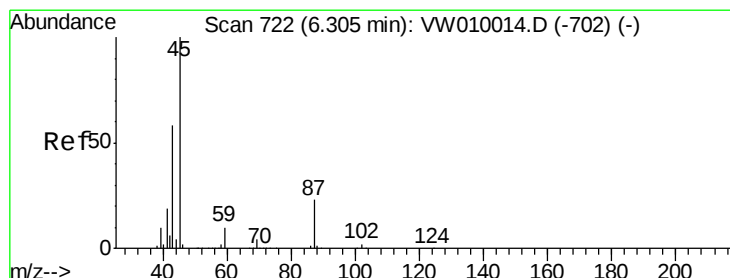
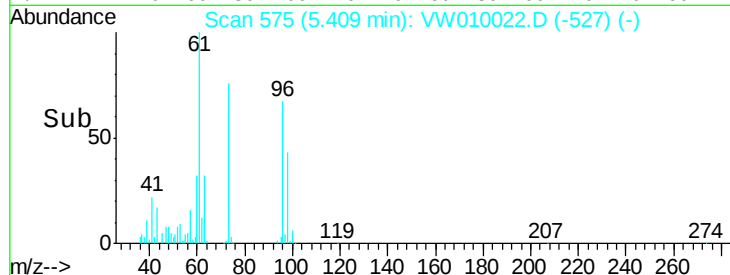
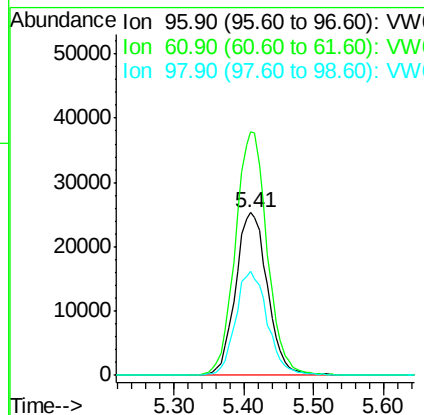
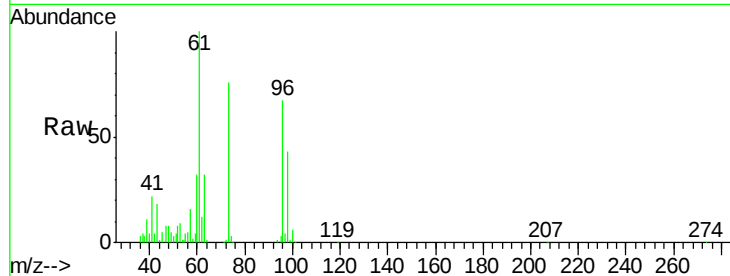
ClientSampleId :

VW0417SBS01

Tot Ion:	96	Resp:	80224
Ion	Ratio	Lower	Upper
96	100		
61	149.7	122.3	183.5
98	64.2	50.5	75.7

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#22

Diisopropyl ether

Concen: 19.996 ug/l

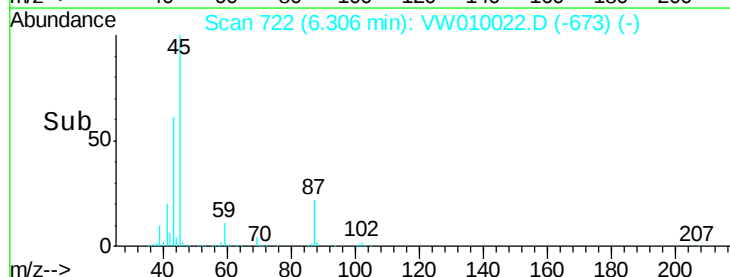
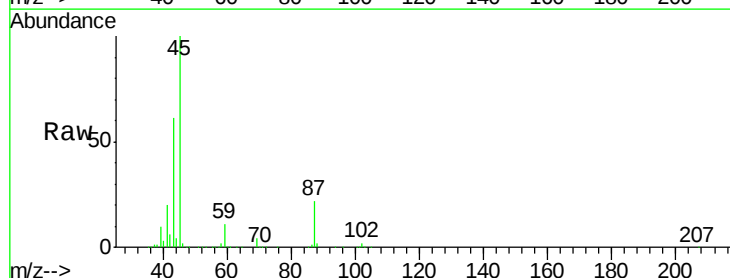
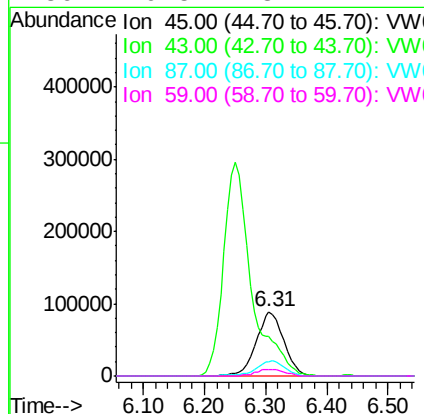
RT: 6.31 min Scan# 722

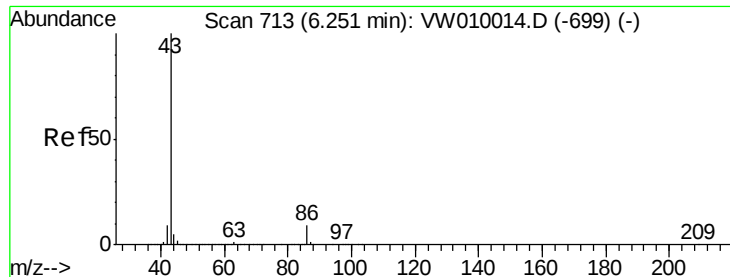
Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion:	45	Resp:	283004
Ion	Ratio	Lower	Upper
45	100		
43	61.2	46.1	69.1
87	22.4	18.3	27.5
59	10.5	8.2	12.4





#23

Vinyl Acetate

Concen: 105.165 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 43 Resp: 936970

Ion Ratio Lower Upper

43 100

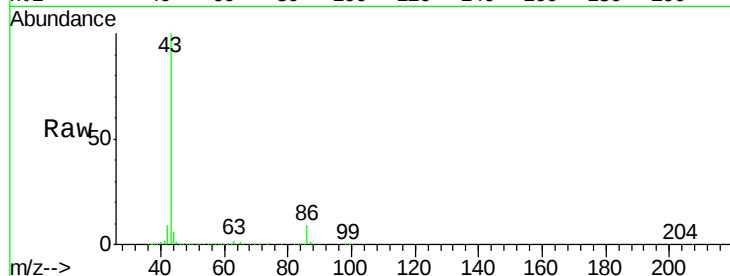
86 9.2 7.0 10.6

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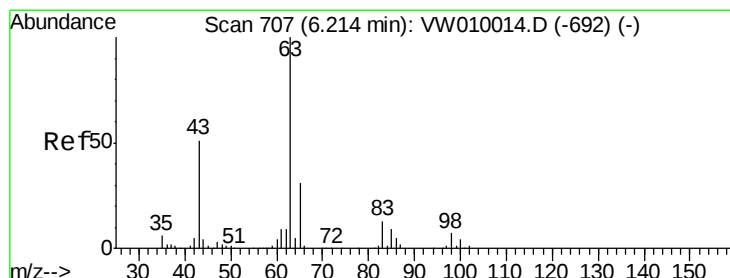
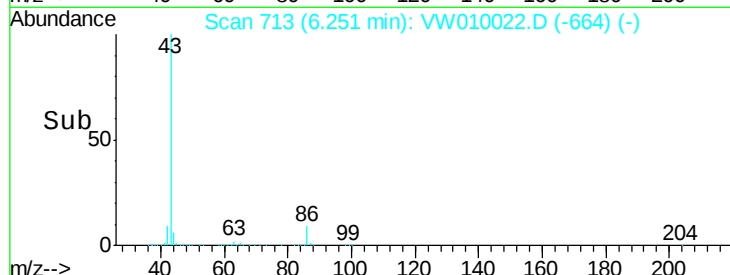
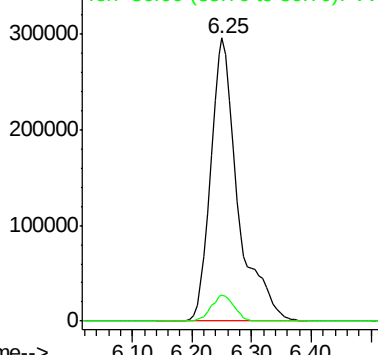
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.233 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

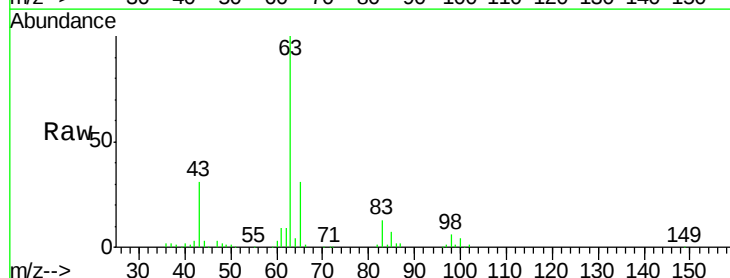
Tgt Ion: 63 Resp: 162721

Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.8

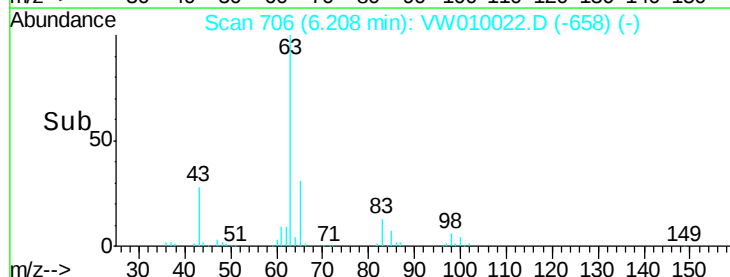
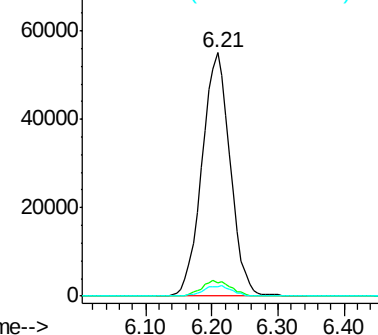
100 3.6 2.0 6.0

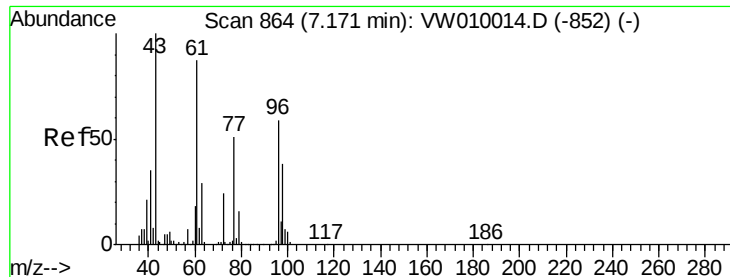


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 108.753 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampled :

VW0417SBS01

Tot Ion: 43 Resp: 162386

Ion Ratio Lower Upper

43 100

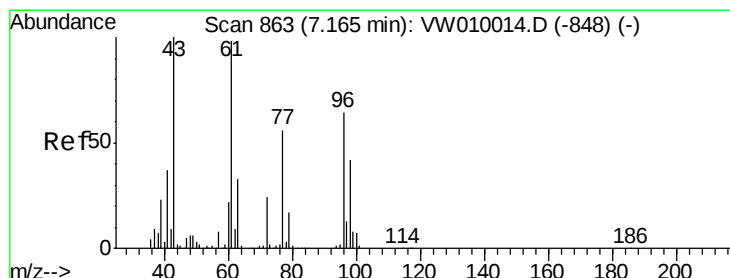
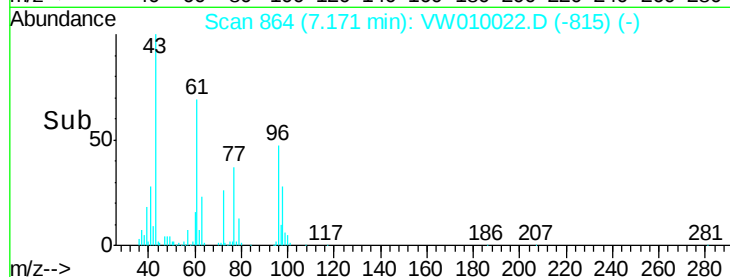
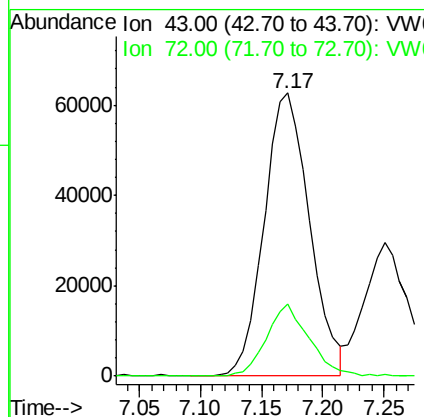
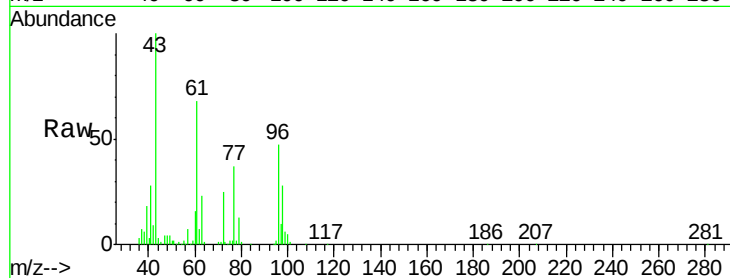
72 25.5 19.1 28.7

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#26

2,2-Dichloropropane

Concen: 18.550 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010022.D

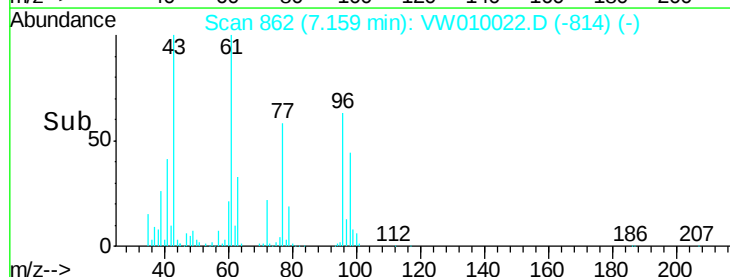
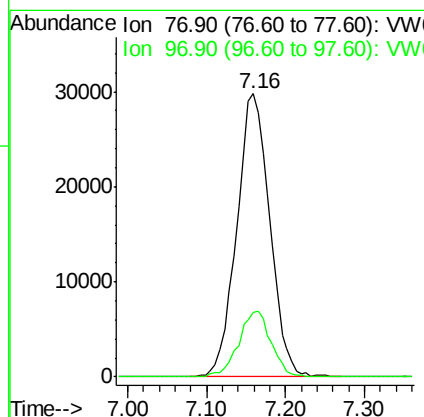
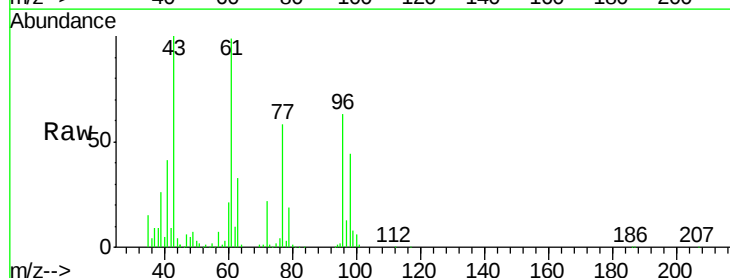
Acq: 17 Apr 2019 18:02

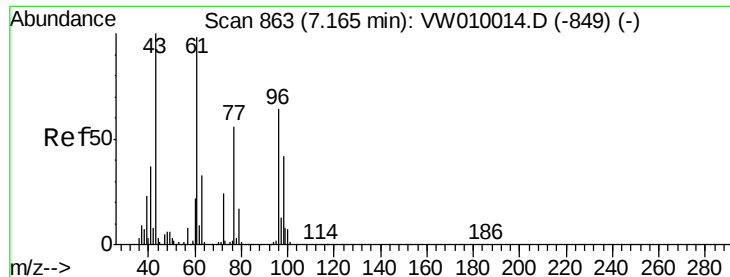
Tgt Ion: 77 Resp: 86833

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9





#27

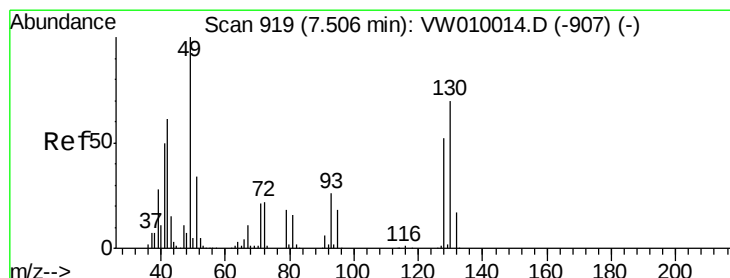
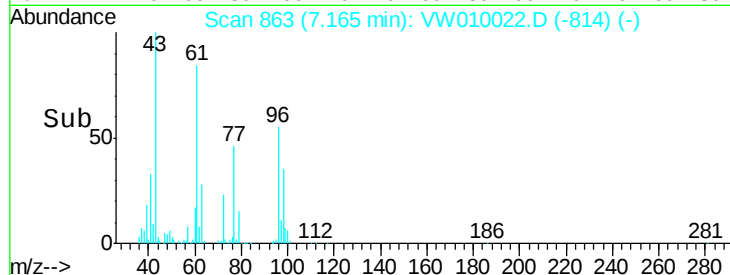
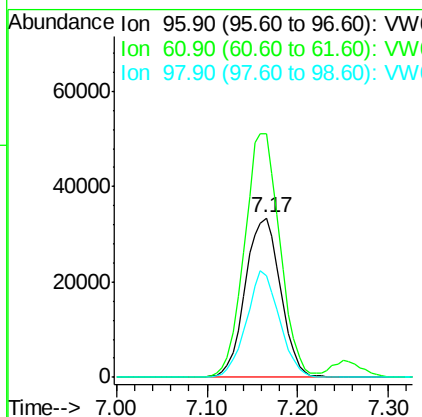
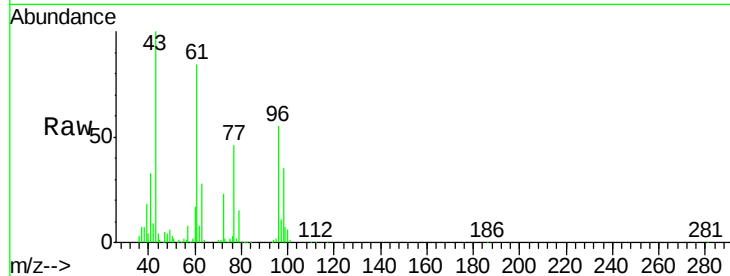
cis-1,2-Dichloroethene
 Concen: 19.260 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Instrument :
 MSVOA_W
 ClientSampled :
 VW0417SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.6	0.0	309.4
98	62.7	0.0	128.6

Manual Integrations
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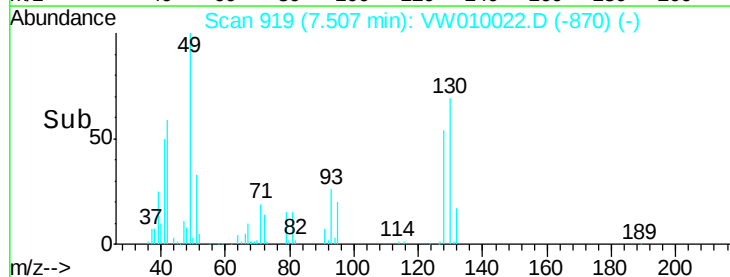
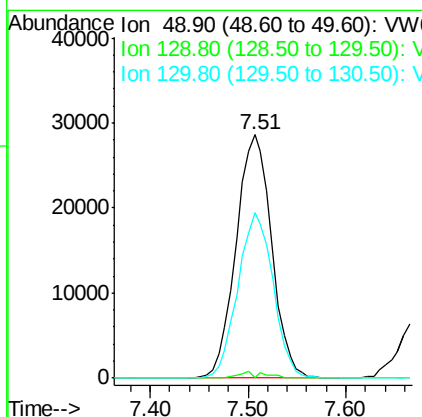
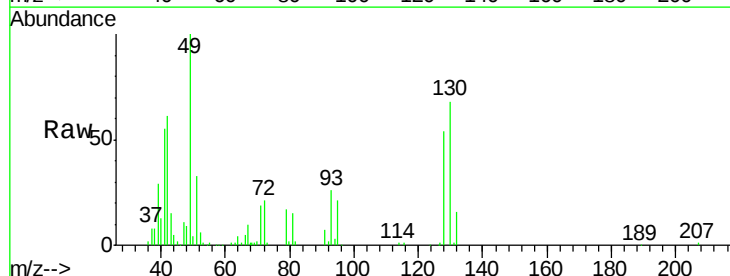
MMDadoda
 4/18/2019 11:40:48 AM

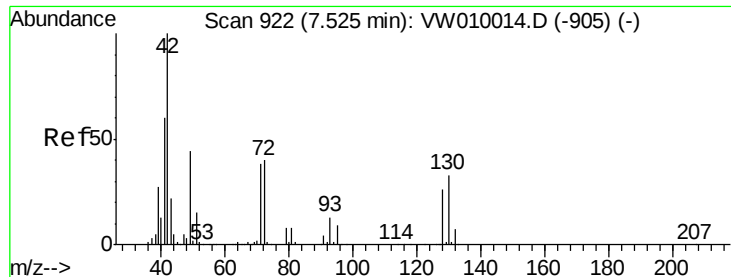


#28

Bromochloromethane
 Concen: 20.877 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	67.2	54.6	82.0





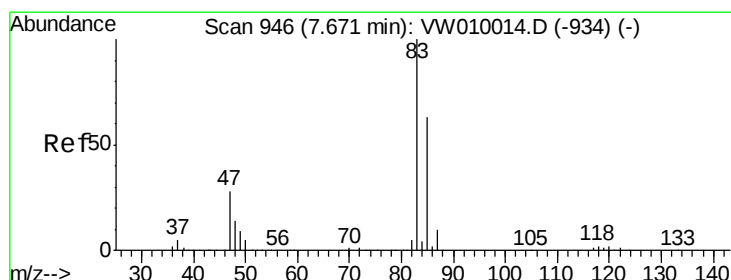
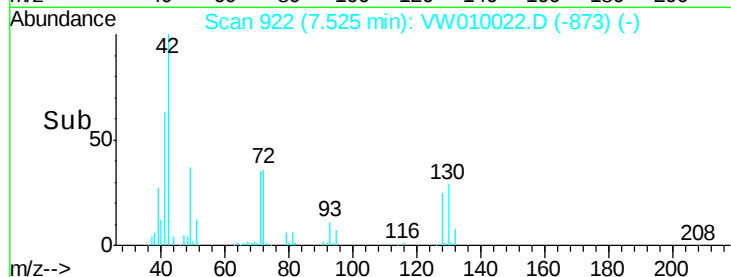
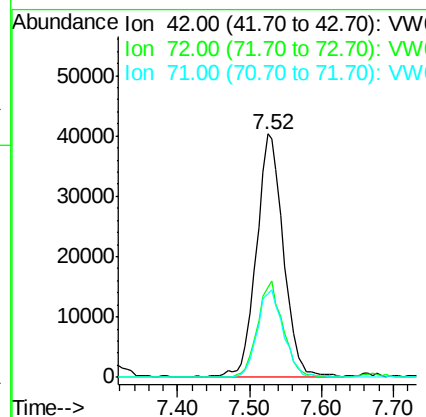
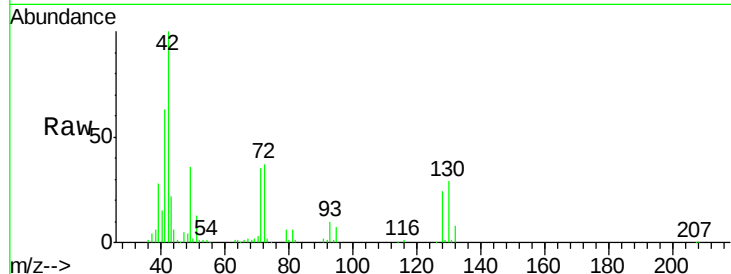
#29
Tetrahydrofuran
Concen: 111.423 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	31.0	46.6
71	34.7	29.7	44.5

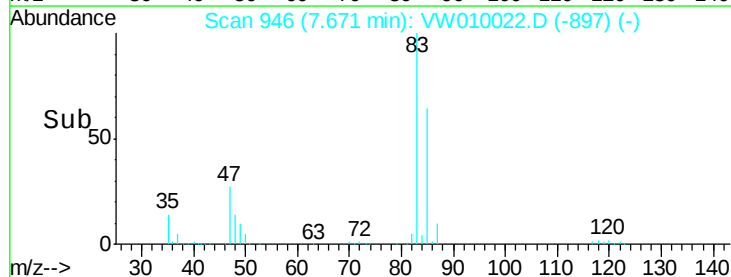
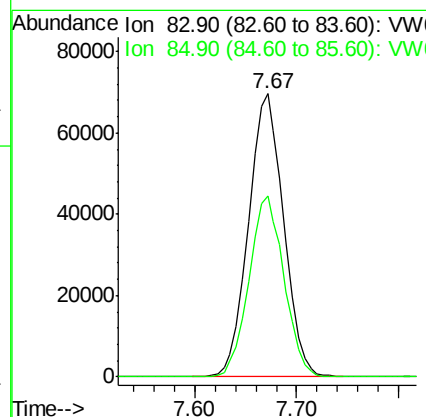
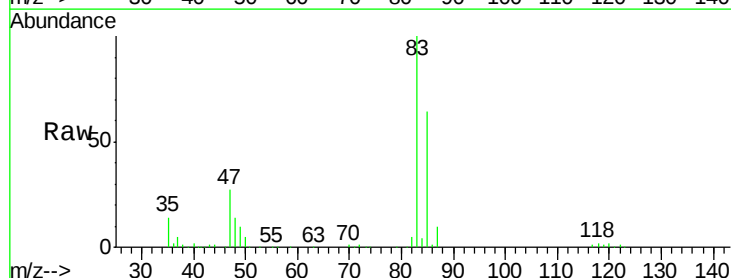
Manual Integrations
APPROVED

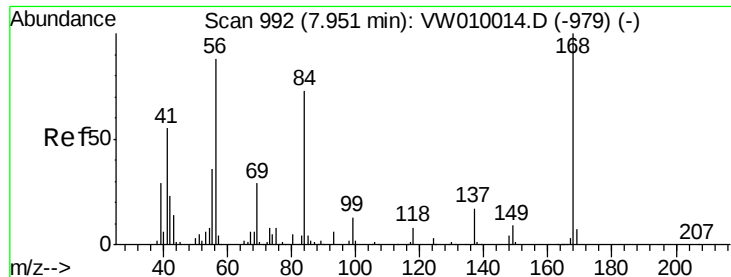
MMDadoda
4/18/2019 11:40:48 AM



#30
Chloroform
Concen: 19.614 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.7	76.1





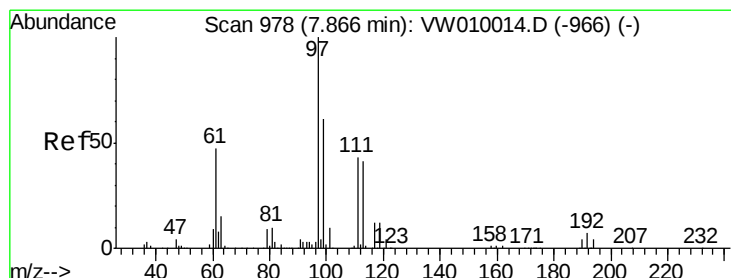
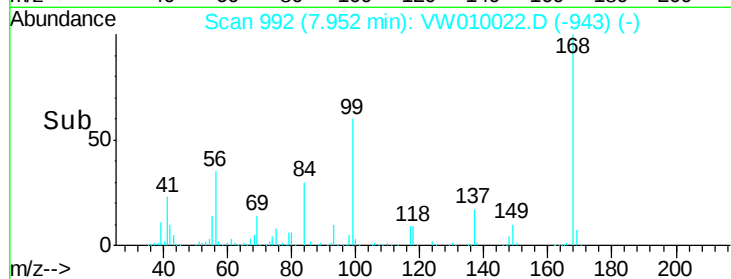
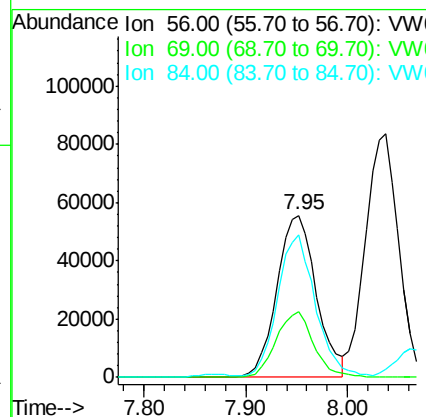
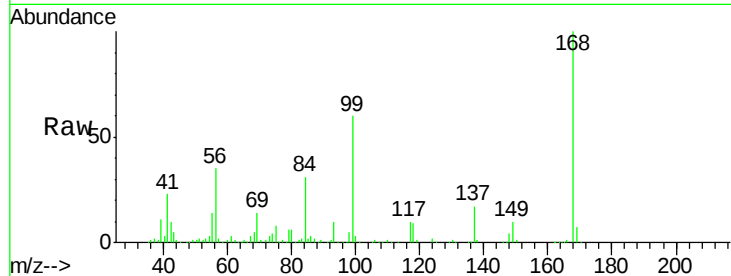
#31
Cyclohexane
Concen: 18.801 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	148958		
69	40.6	26.6	40.0#	
84	87.2	66.2	99.2	

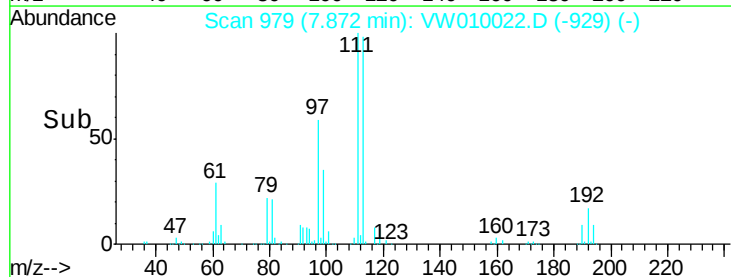
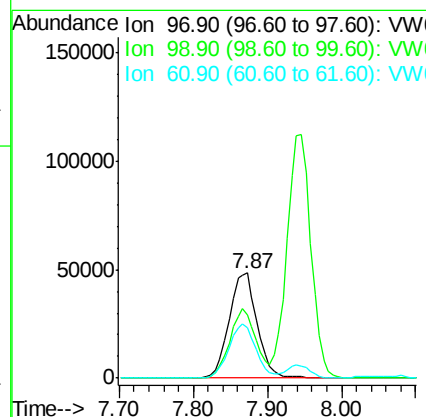
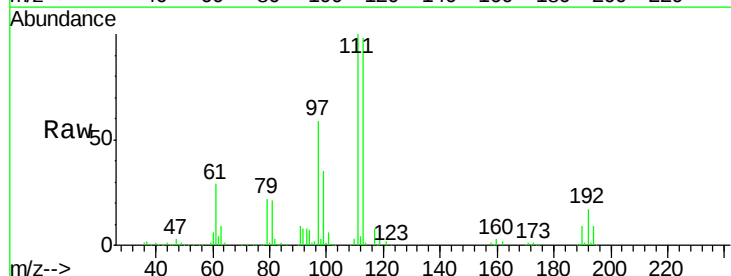
Manual Integrations
APPROVED

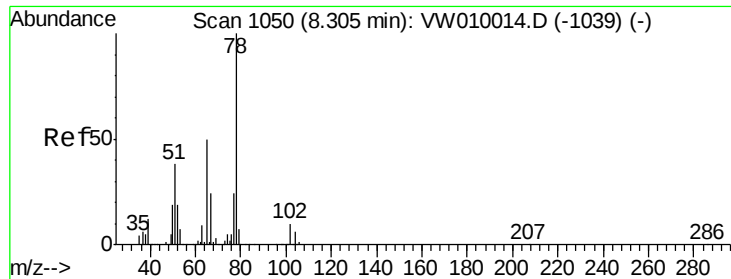
MMDadoda
4/18/2019 11:40:48 AM



#32
1,1,1-Trichloroethane
Concen: 19.079 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	126979		
99	62.4	50.2	75.2	
61	49.4	38.2	57.2	





#33

1,2-Dichloroethane-d4

Concen: 52.462 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampled :

VW0417SBS01

Tot Ion: 65 Resp: 257016

Ion Ratio Lower Upper

65 100

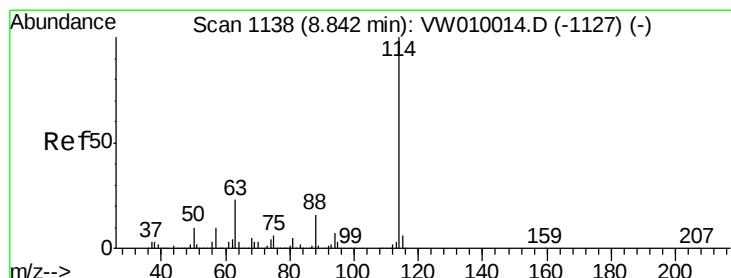
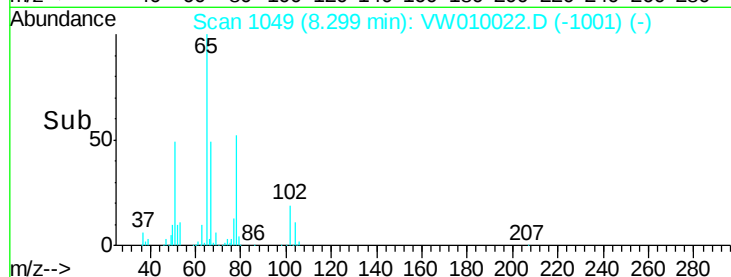
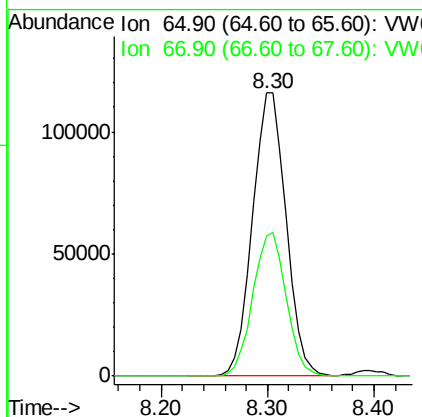
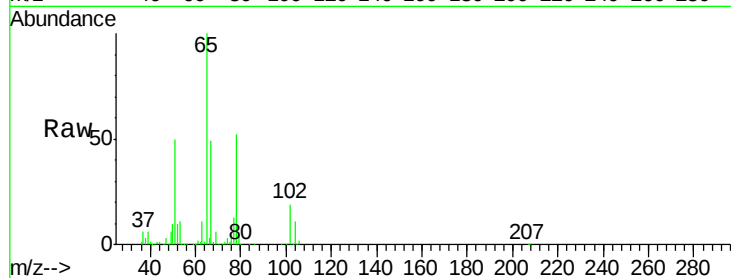
67 50.3 0.0 100.8

Manual Integrations

APPROVED

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4/18/2019 11:40:48 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

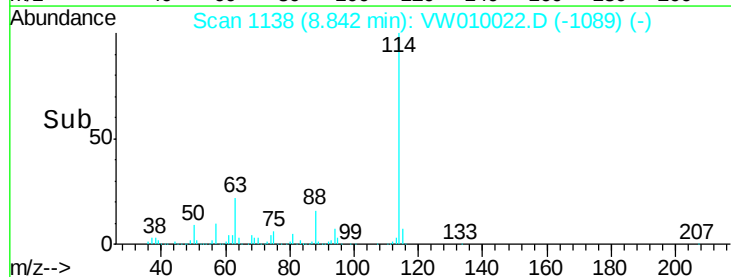
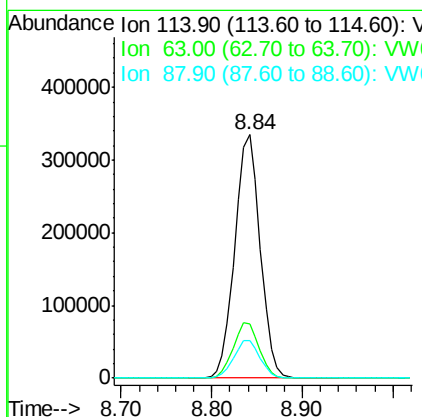
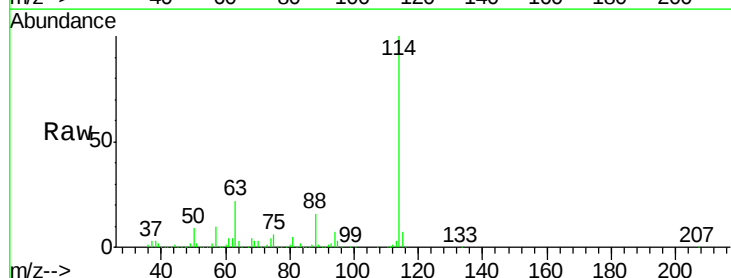
Tgt Ion: 114 Resp: 649472

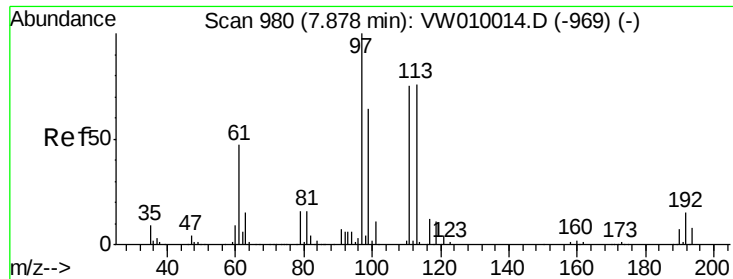
Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.2

88 15.6 0.0 32.6





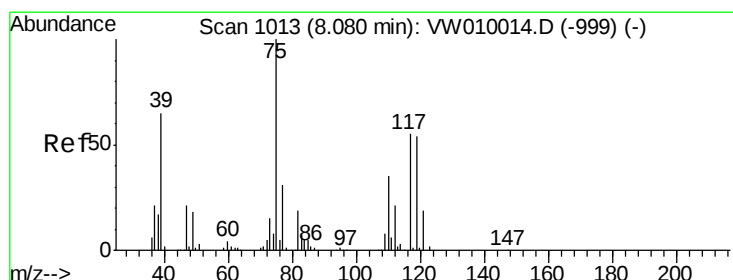
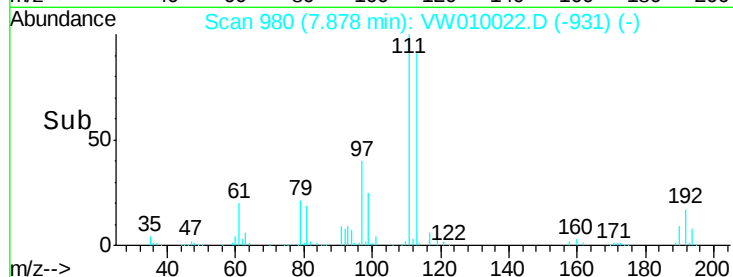
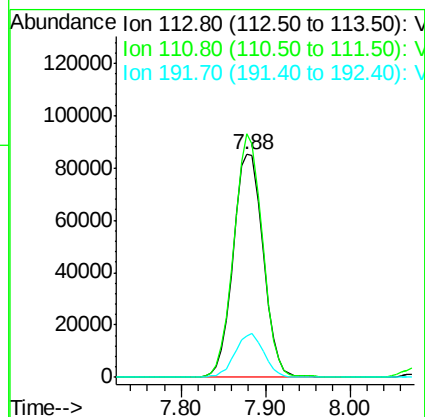
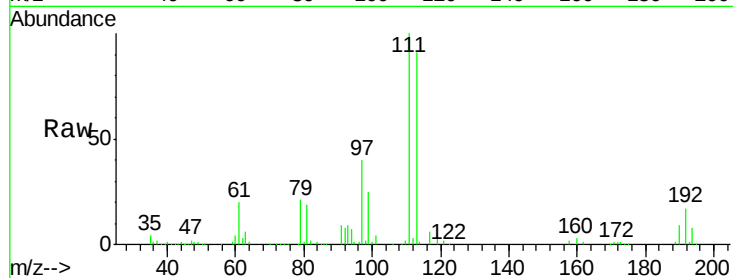
#35
 Dibromofluoromethane
 Concen: 49.787 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205577		
111	104.2	82.6	123.8	
192	18.8	15.4	23.2	

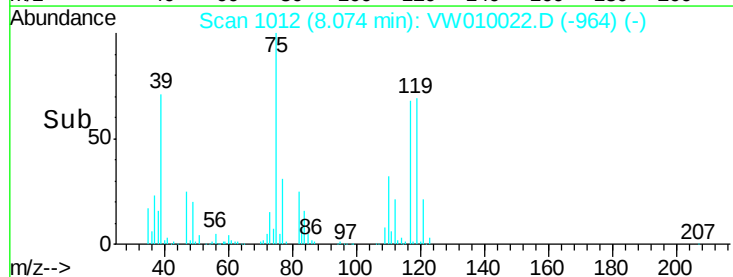
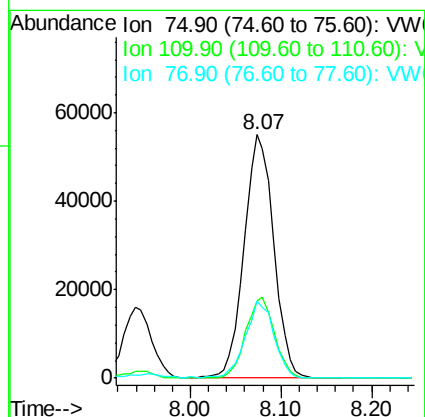
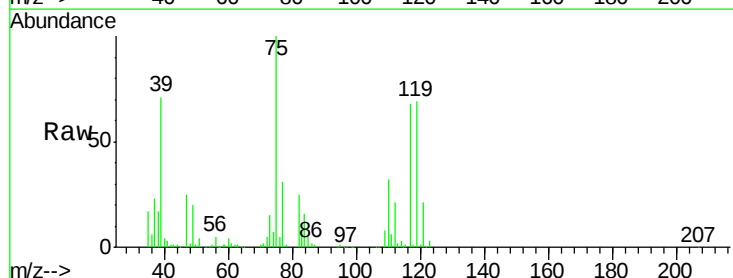
Manual Integrations
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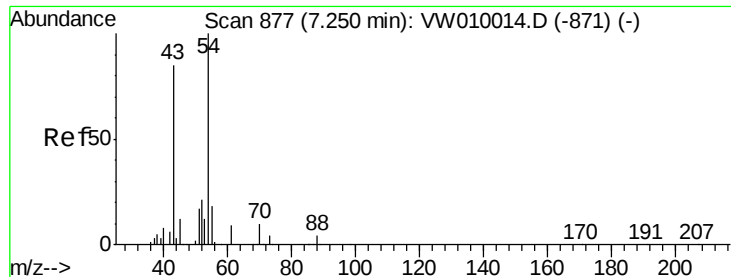
MMDadoda
 4/18/2019 11:40:48 AM



#36
 1,1-Dichloropropene
 Concen: 18.762 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124469		
110	32.3	16.6	49.8	
77	30.6	24.8	37.2	





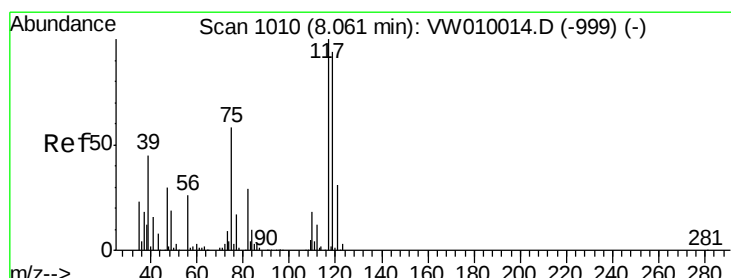
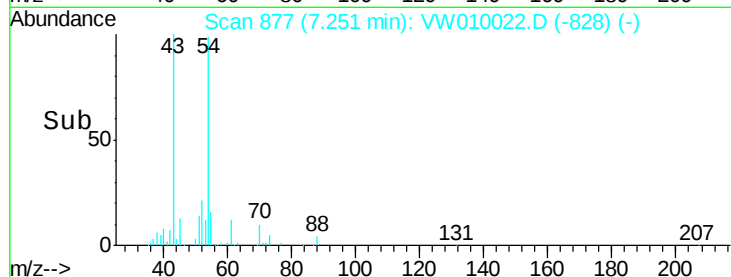
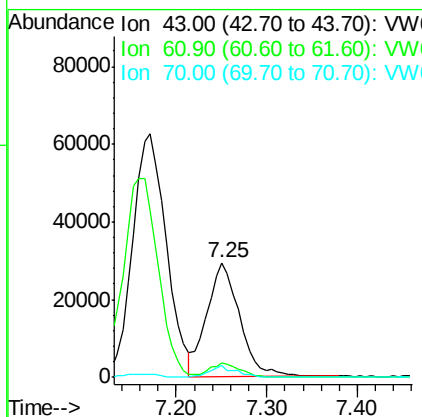
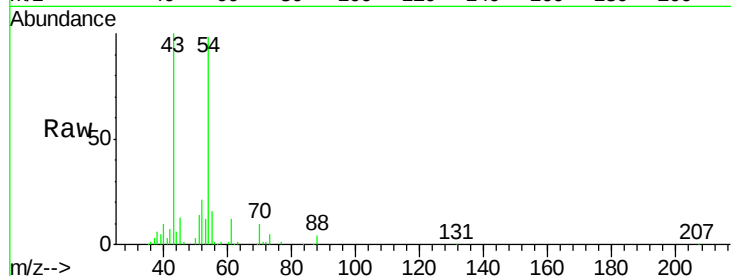
#37
Ethyl Acetate
Concen: 22.147 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.8	14.8
70	8.6	7.4	11.0

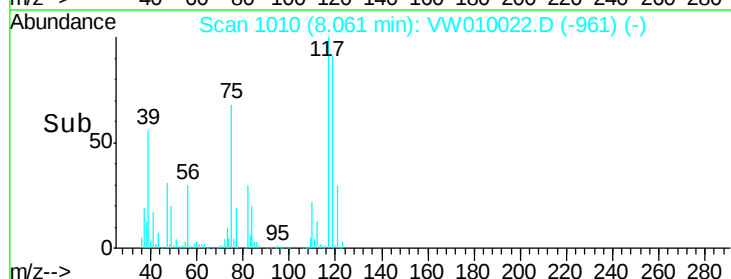
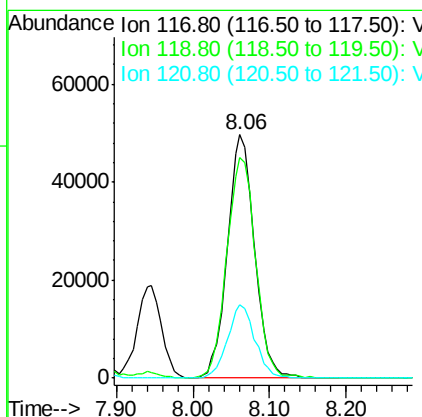
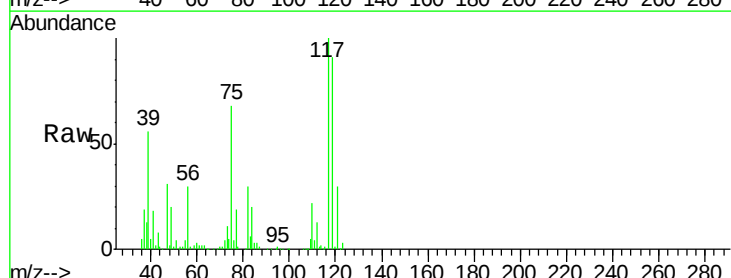
Manual Integrations
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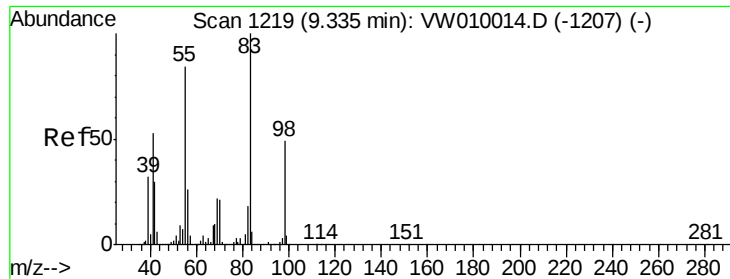
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#38
Carbon Tetrachloride
Concen: 18.821 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.3	112.9
121	30.0	24.4	36.6





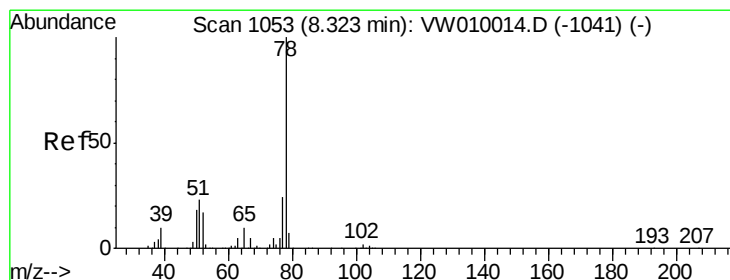
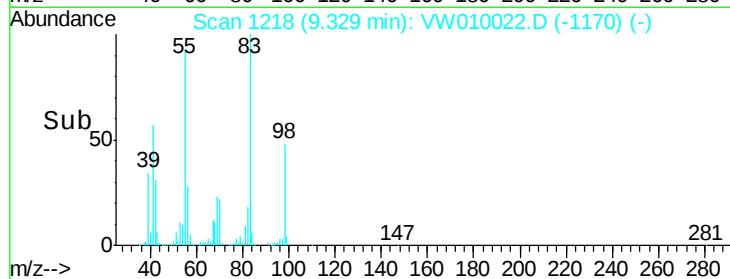
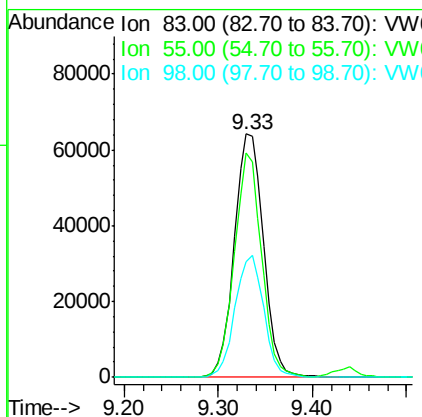
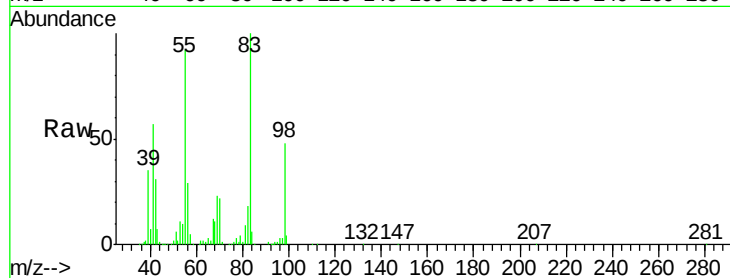
#39
Methvlcvclohexane
Concen: 17.960 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.1	67.1	100.7
98	47.6	39.2	58.8

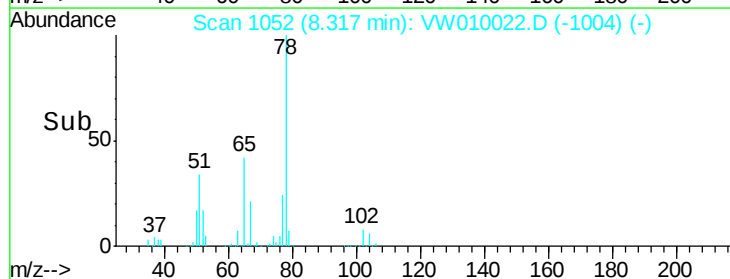
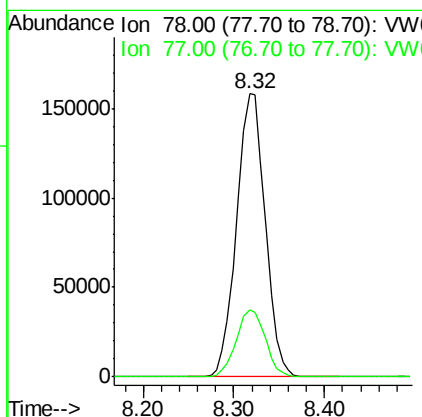
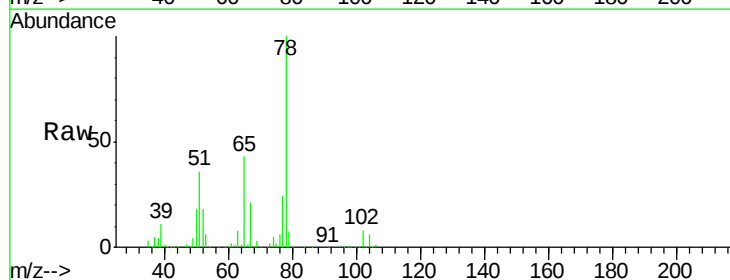
Manual Integrations
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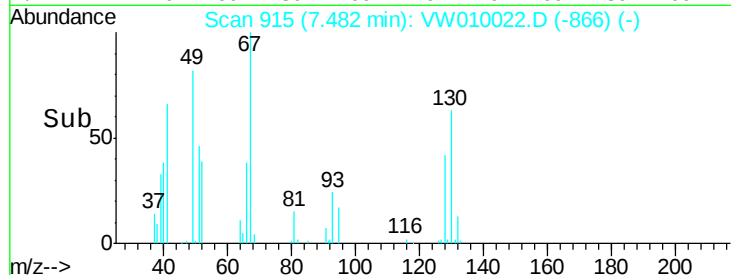
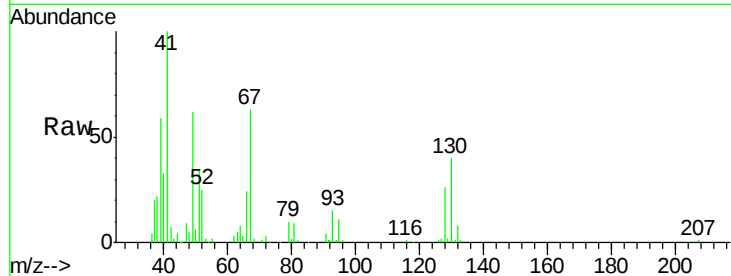
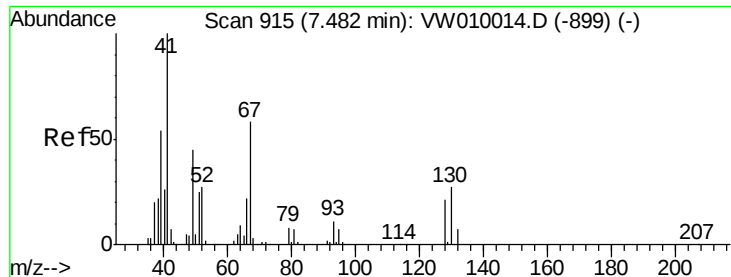
MMDadoda
4/18/2019 11:40:48 AM



#40
Benzene
Concen: 19.139 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





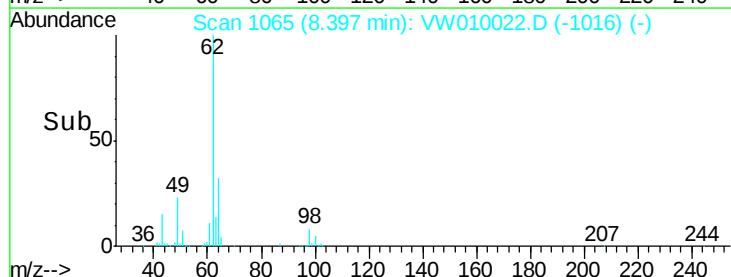
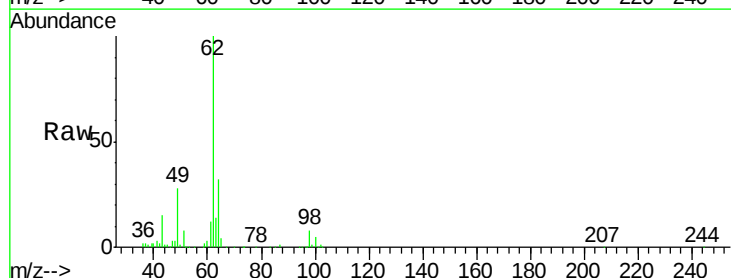
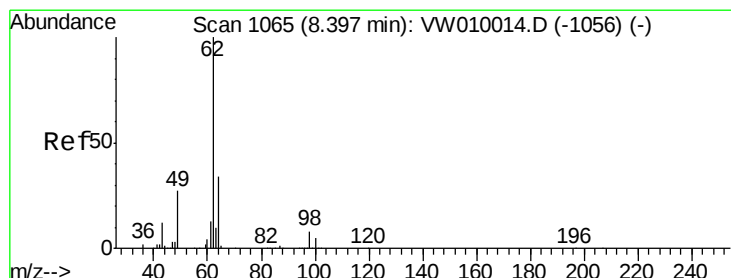
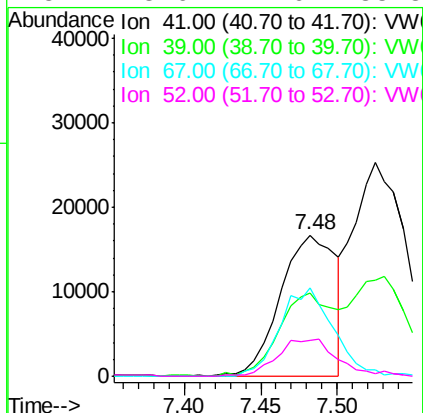
#41
Methacrylonitrile
Concen: 21.859 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tot Ion	41	Resp	41998
Ion Ratio	Lower	Upper	
41	100		
39	58.3	45.0	67.4
67	61.5	50.7	76.1
52	28.6	22.6	33.8

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

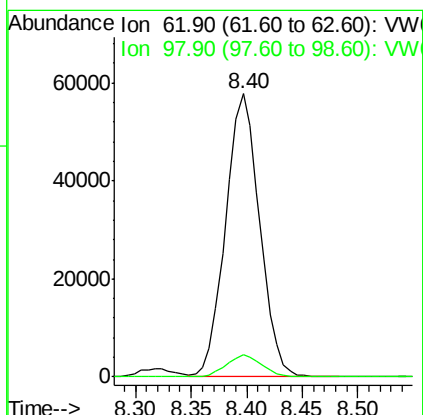
Manual Integrations
APPROVED

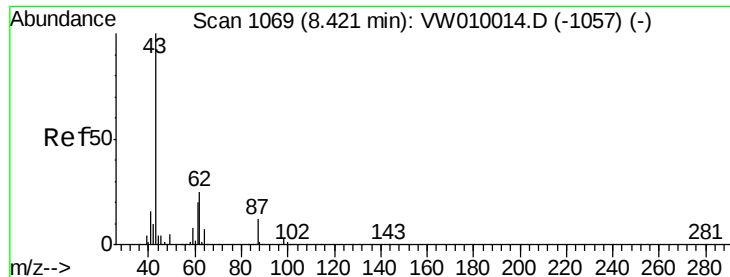
MMDadoda
4/18/2019 11:40:48 AM



#42
1,2-Dichloroethane
Concen: 19.689 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	62	Resp	122739
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.487 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

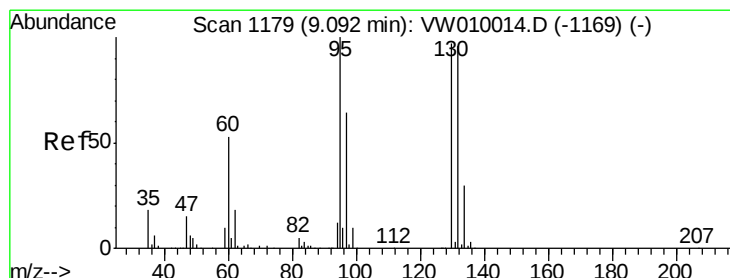
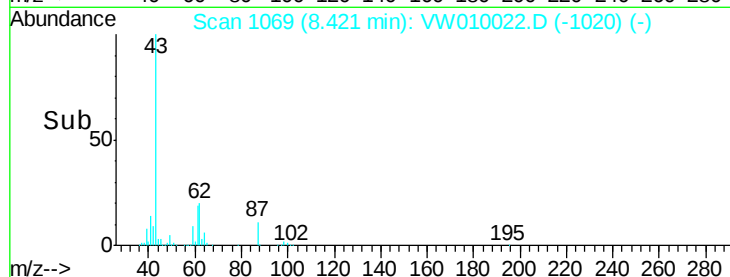
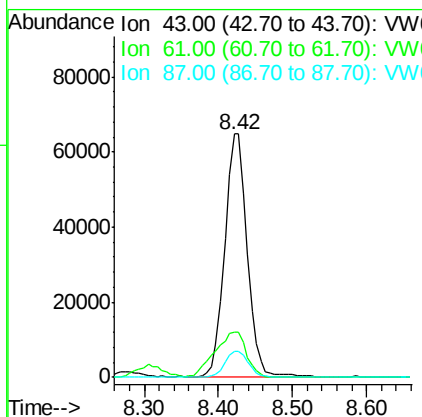
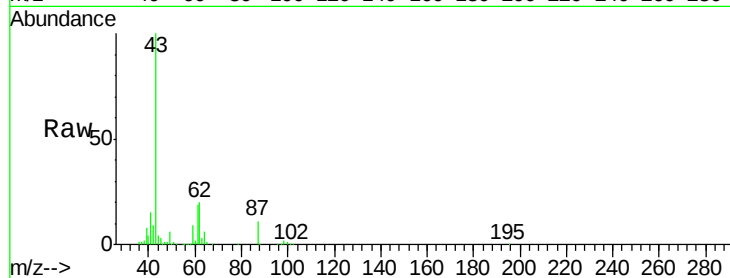
ClientSampleId :

VW0417SBS01

Tot Ion:	43	Resp:	135738
Ion	Ratio	Lower	Upper
43	100		
61	26.0	23.0	34.6
87	11.4	9.3	13.9

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4/18/2019 11:40:48 AM



#44

Trichloroethene

Concen: 18.746 ug/l

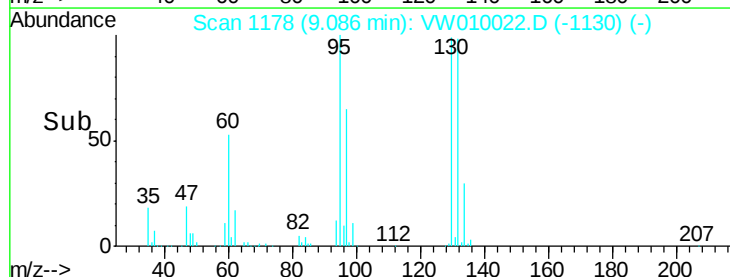
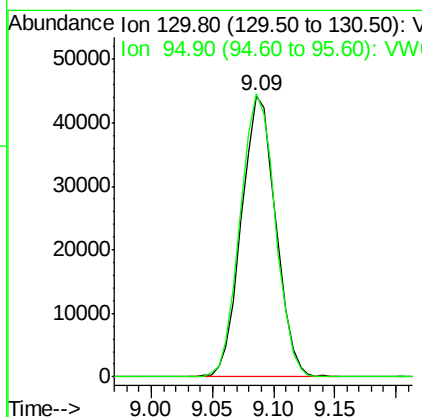
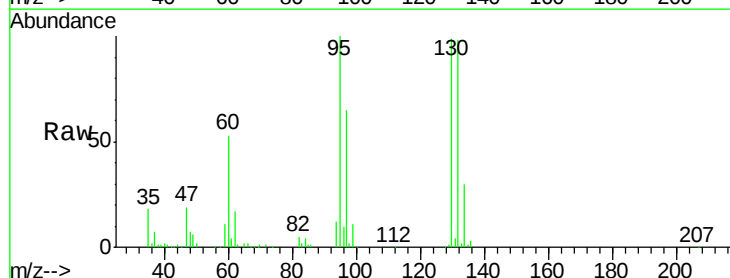
RT: 9.09 min Scan# 1178

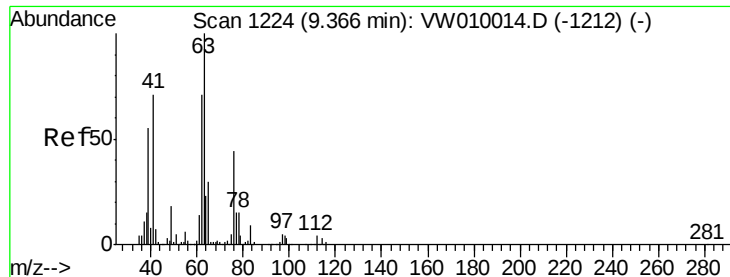
Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion:	130	Resp:	86366
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	205.4





#45

1,2-Dichloropropane

Concen: 19.229 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 63 Resp: 91685

Ion Ratio Lower Upper

63 100

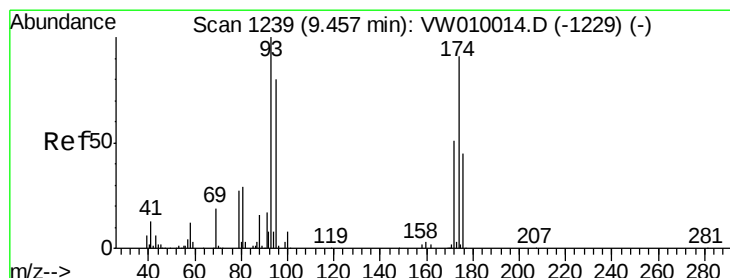
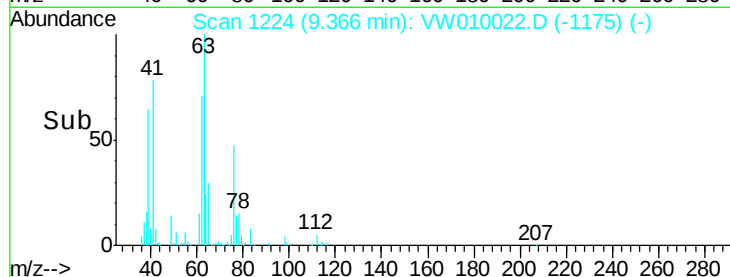
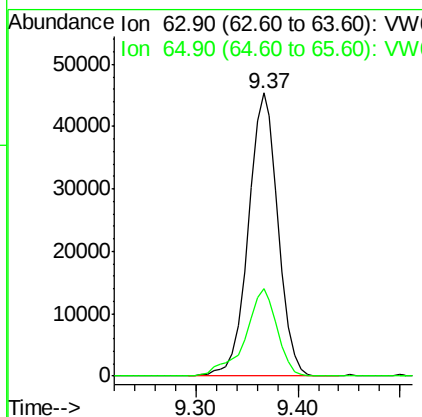
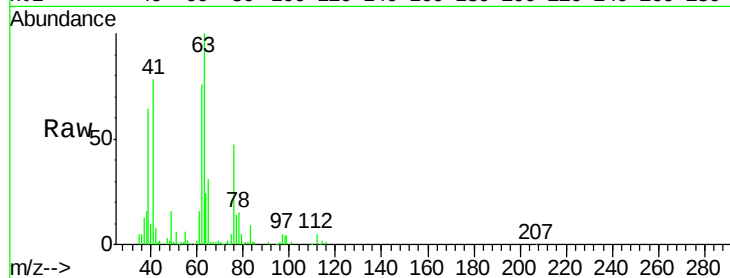
65 30.9 23.8 35.6

Manual Integrations

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4/18/2019 11:40:48 AM



#46

Dibromomethane

Concen: 19.632 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

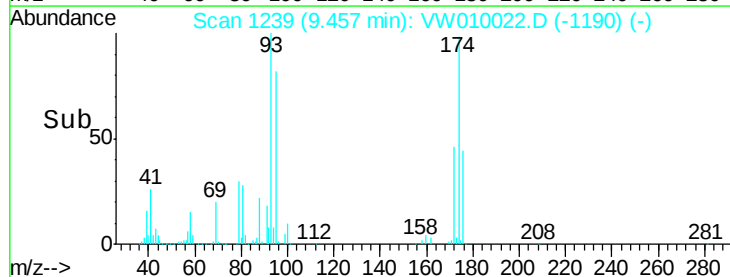
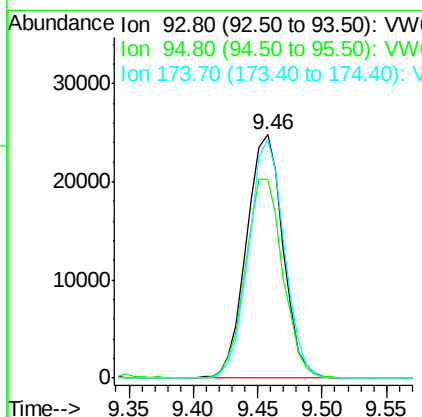
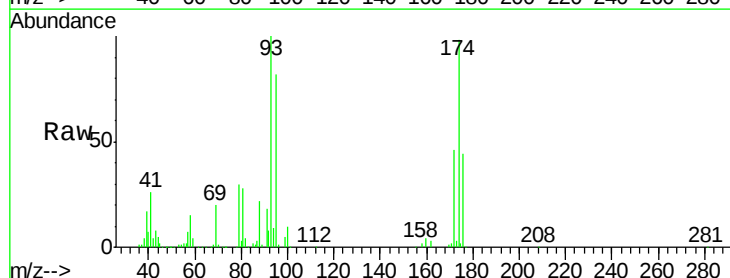
Tgt Ion: 93 Resp: 48515

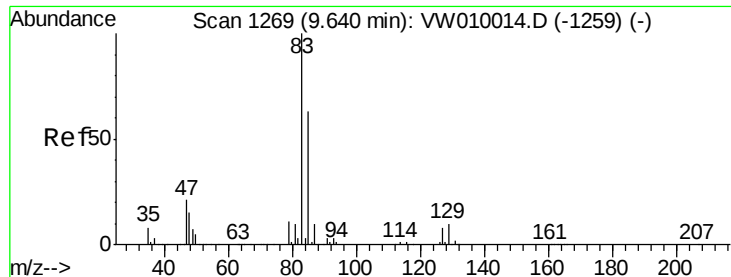
Ion Ratio Lower Upper

93 100

95 84.1 65.8 98.8

174 95.6 75.5 113.3





#47

Bromodichloromethane

Concen: 19.076 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

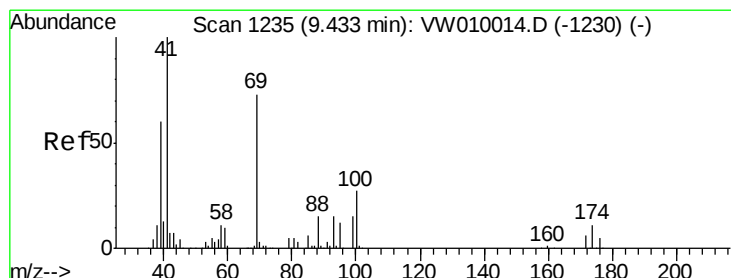
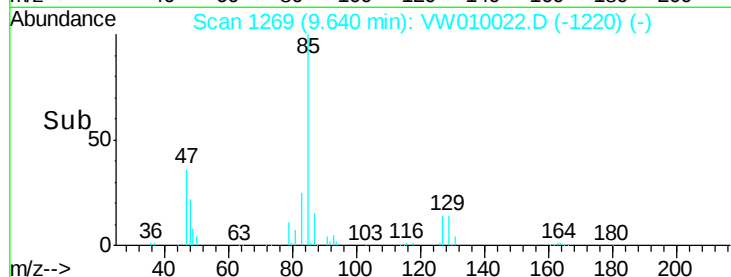
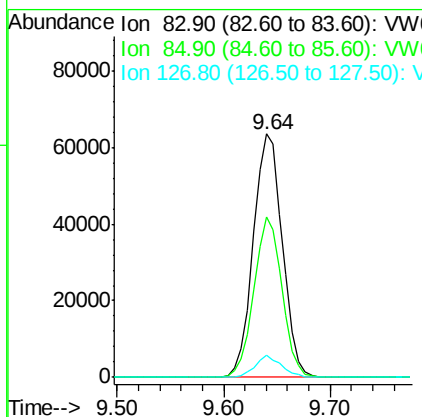
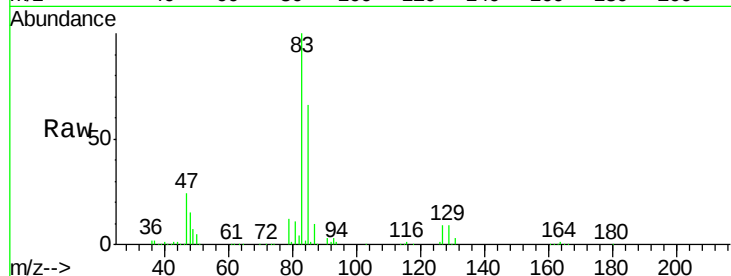
ClientSampleId :

VW0417SBS01

Tot Ion:	83	Resp:	121694
Ion Ratio	Lower	Upper	
83	100		
85	65.8	50.6	75.8
127	8.9	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.580 ug/l

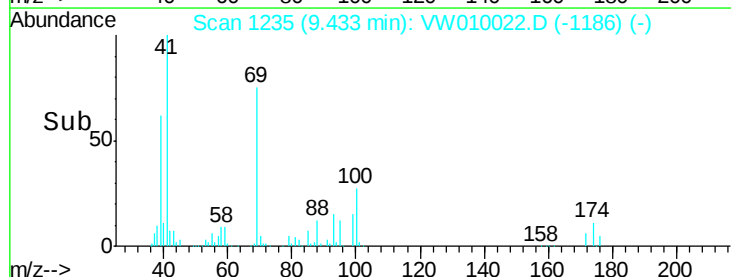
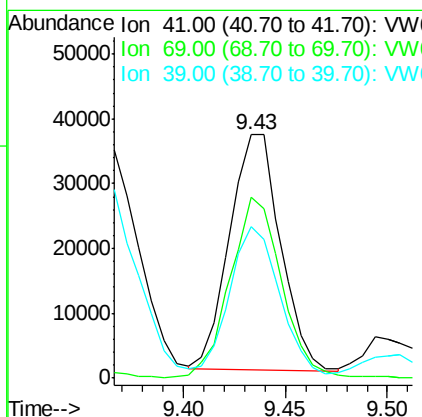
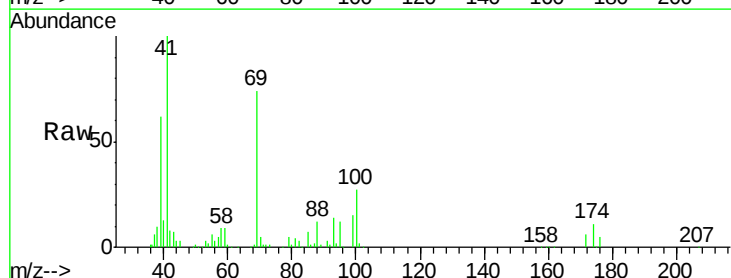
RT: 9.43 min Scan# 1235

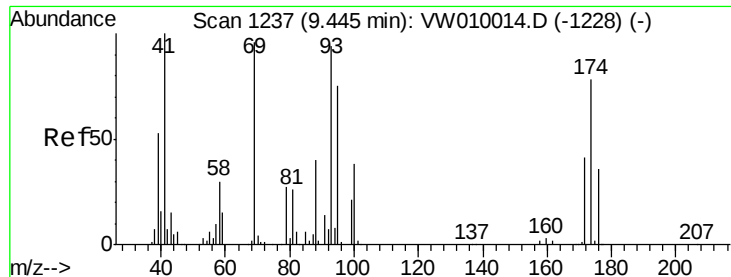
Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion:	41	Resp:	63286
Ion Ratio	Lower	Upper	
41	100		
69	77.9	60.1	90.1
39	63.5	51.0	76.6





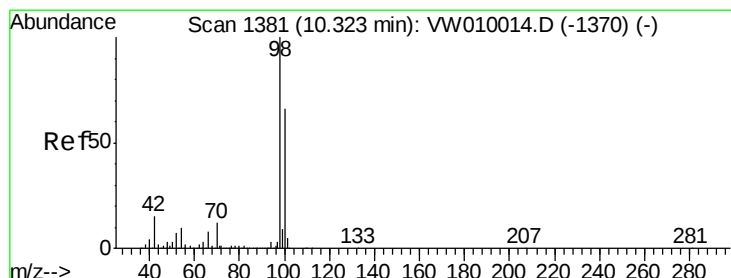
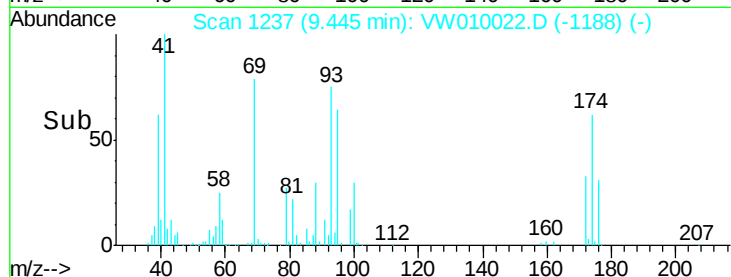
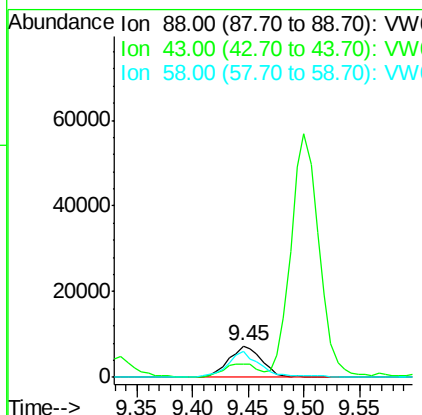
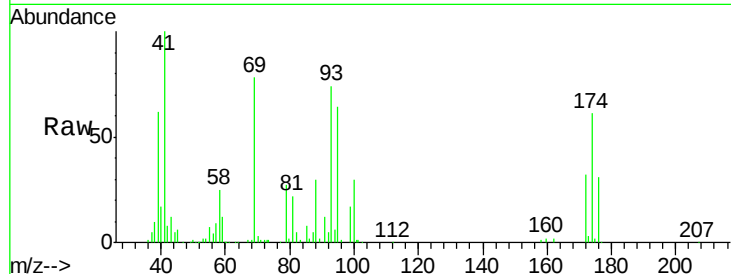
#49
1,4-Dioxane
Concen: 401.107 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	15146		
43	41.0		31.9	47.9
58	78.9		61.8	92.6

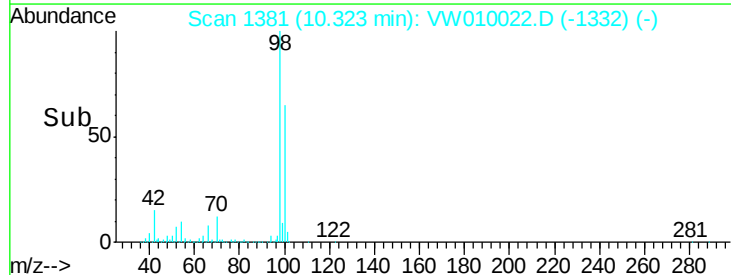
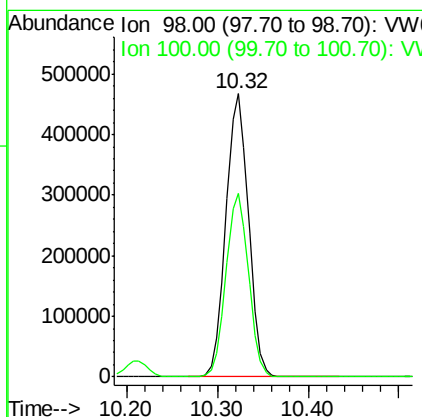
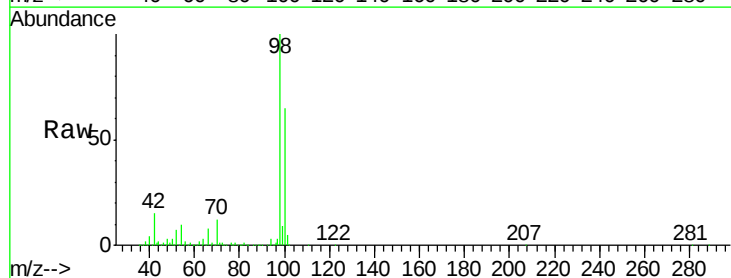
Manual Integrations
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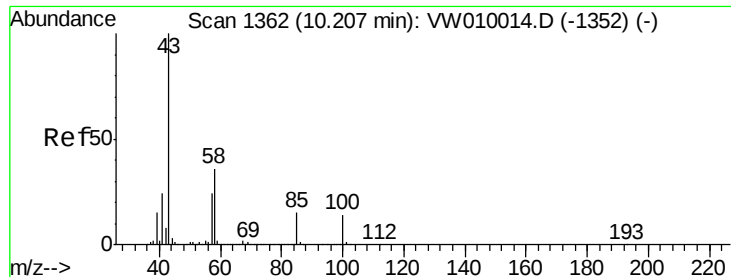
MMDadoda
4/18/2019 11:40:48 AM



#50
Toluene-d8
Concen: 52.239 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	808273		
100	64.6		52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 111.003 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 43 Resp: 367270

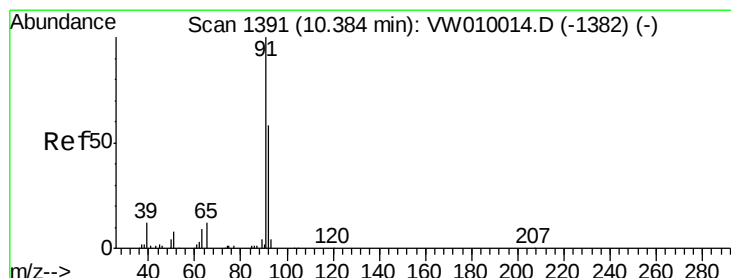
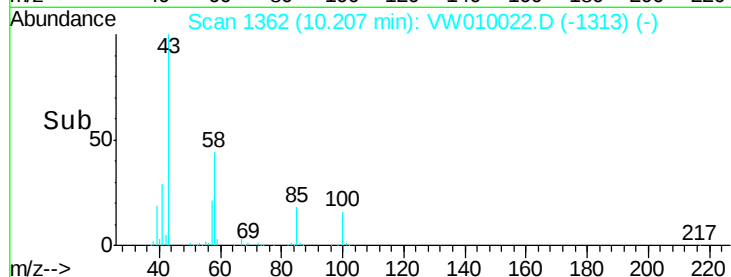
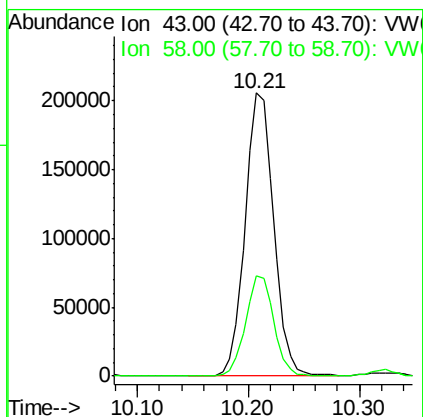
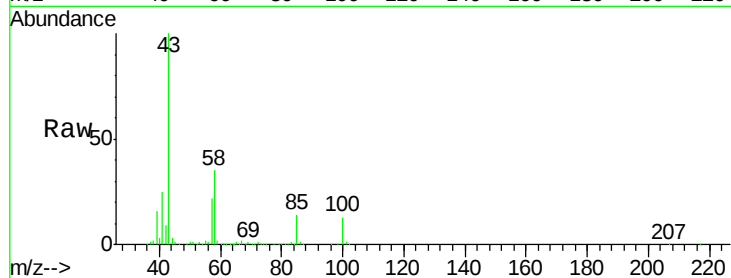
Ion Ratio Lower Upper

43 100

58 34.8 28.9 43.3

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#52

Toluene

Concen: 19.360 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010022.D

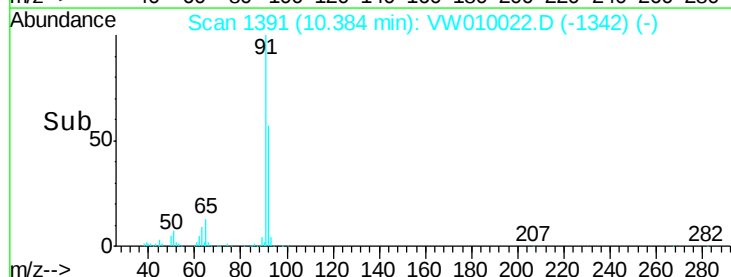
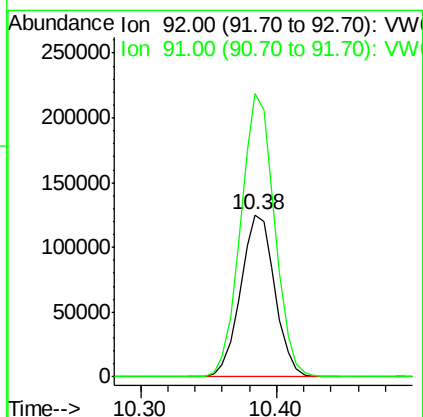
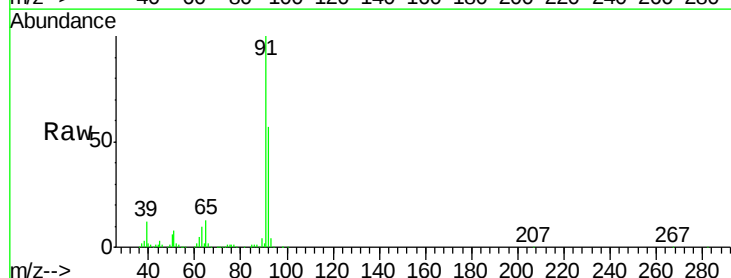
Acq: 17 Apr 2019 18:02

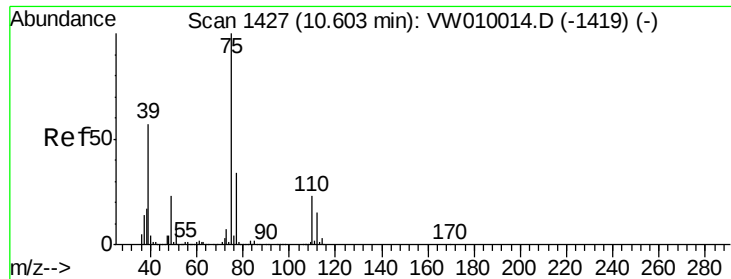
Tgt Ion: 92 Resp: 218761

Ion Ratio Lower Upper

92 100

91 173.6 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 19.312 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 75 Resp: 122143

Ion Ratio Lower Upper

75 100

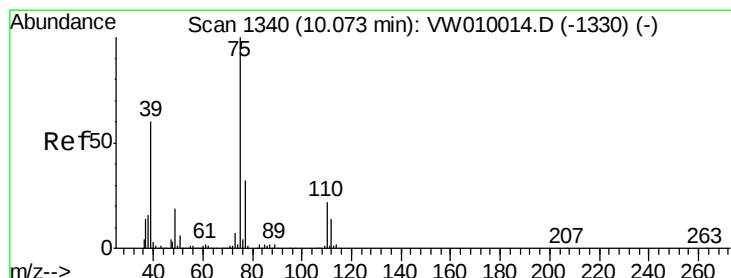
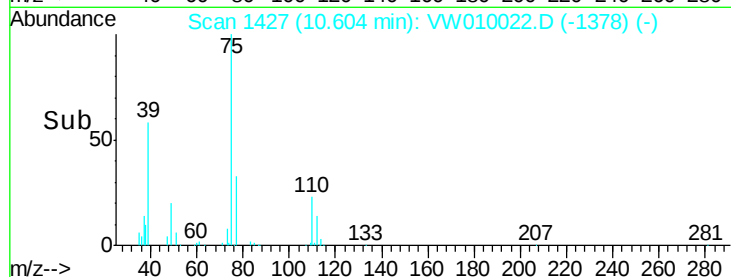
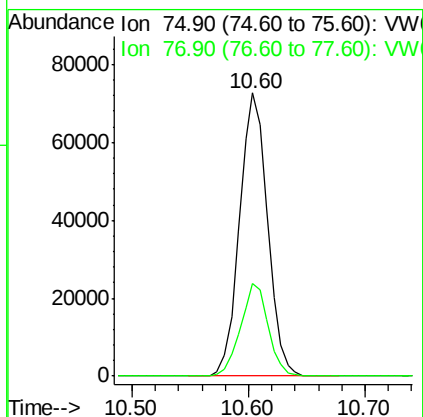
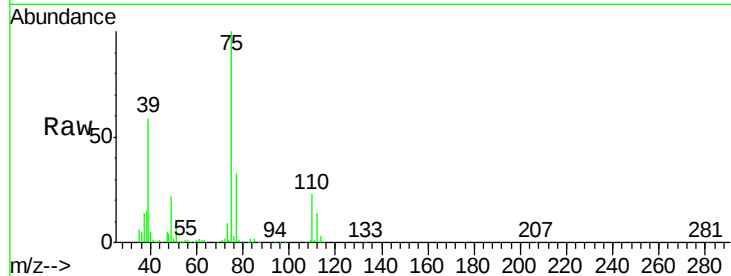
77 32.8 26.9 40.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.890 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

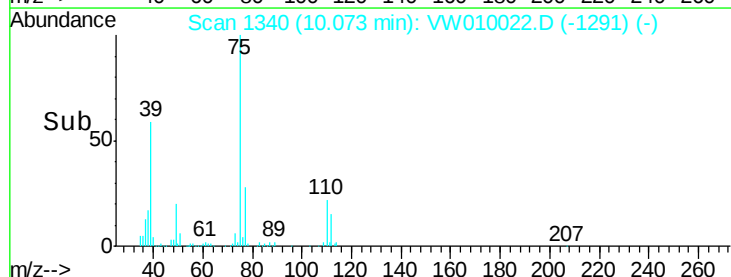
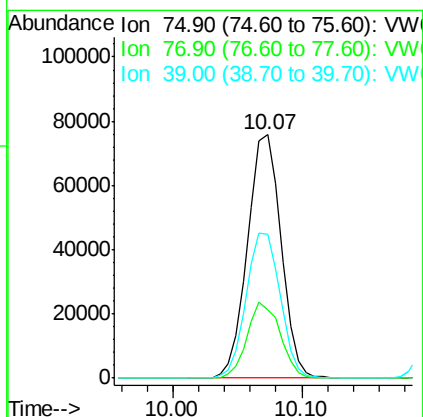
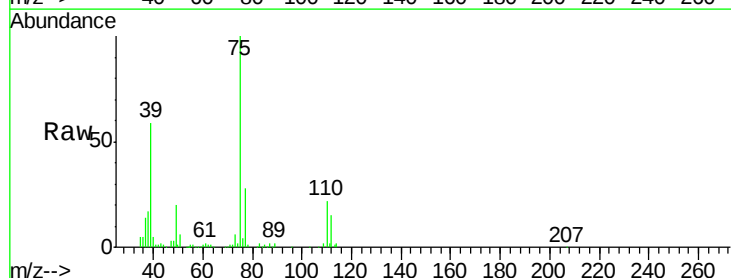
Tgt Ion: 75 Resp: 136426

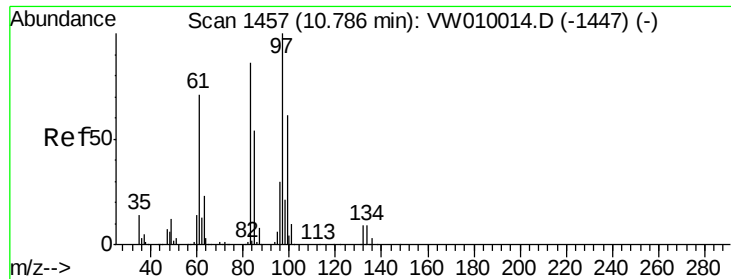
Ion Ratio Lower Upper

75 100

77 28.2 25.6 38.4

39 59.1 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 19.726 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

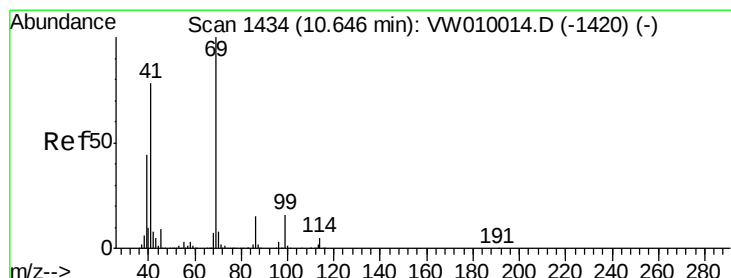
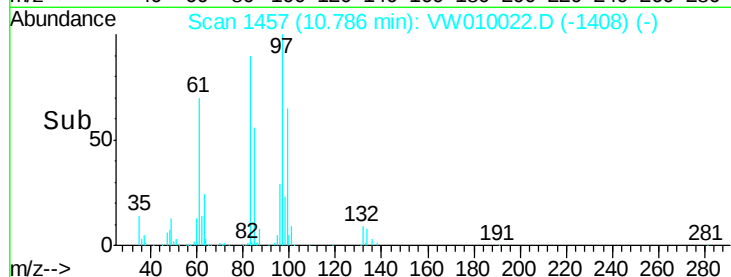
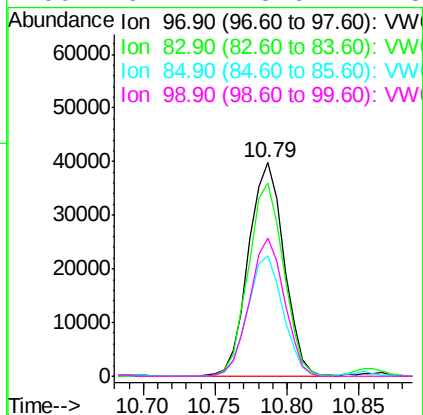
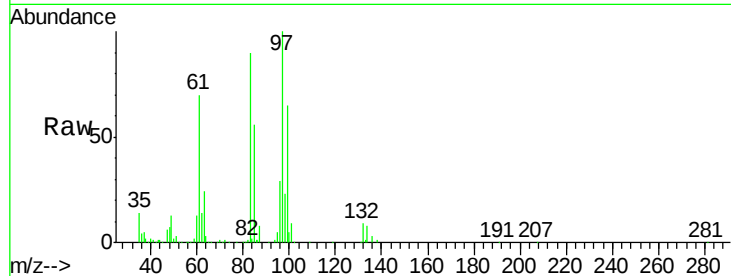
ClientSampleId :

VW0417SBS01

Tot Ion:	97	Resp:	68039
Ion	Ratio	Lower	Upper
97	100		
83	90.2	68.9	103.3
85	56.1	42.9	64.3
99	64.7	48.6	72.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.941 ug/l

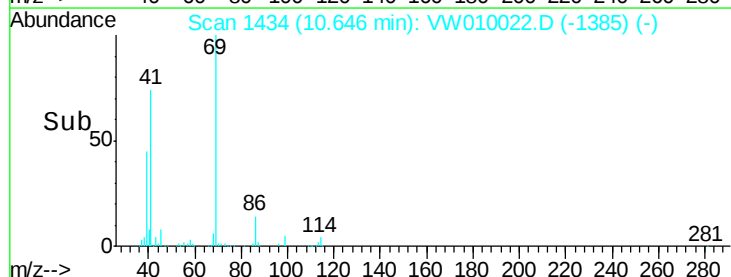
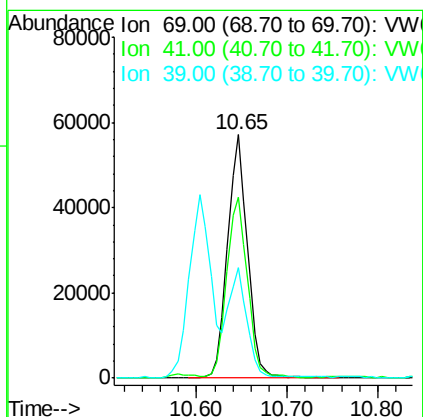
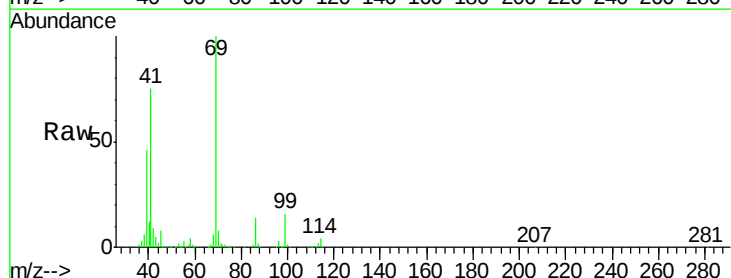
RT: 10.65 min Scan# 1434

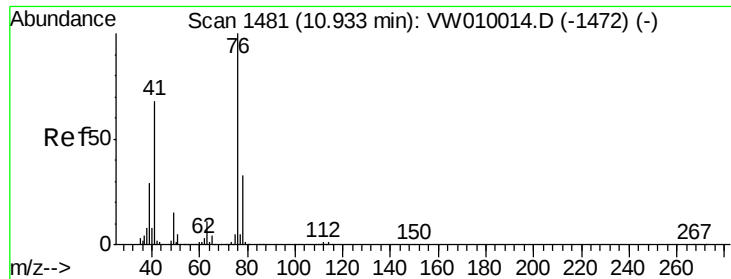
Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion:	69	Resp:	87480
Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.0	91.6
39	40.9	33.8	50.6





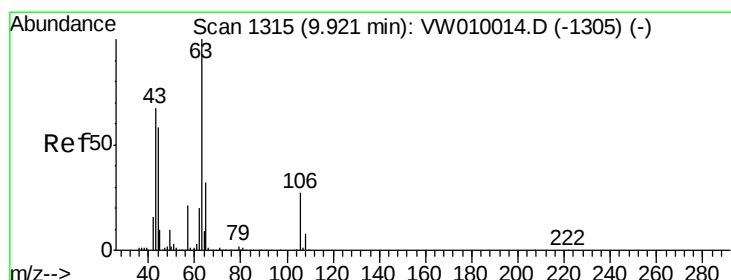
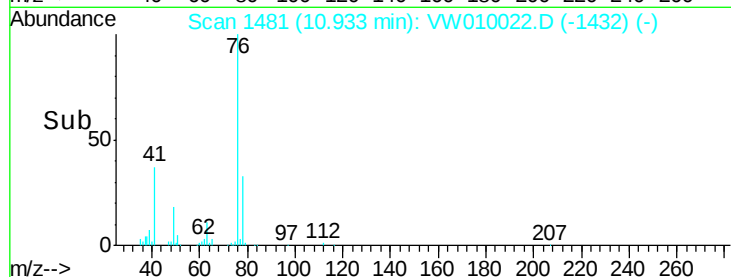
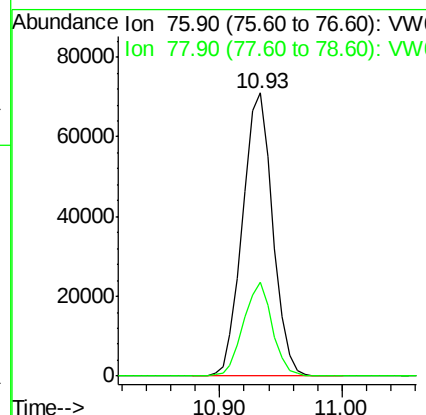
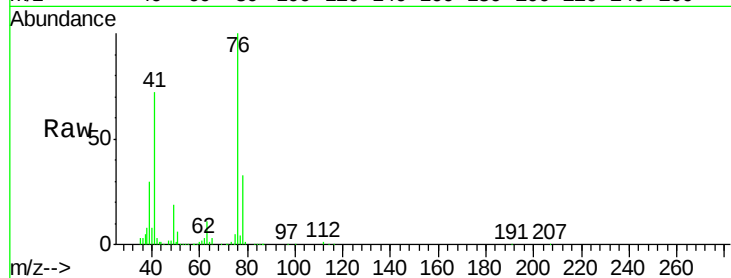
#57
 1,3-Dichloropropane
 Concen: 19.592 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

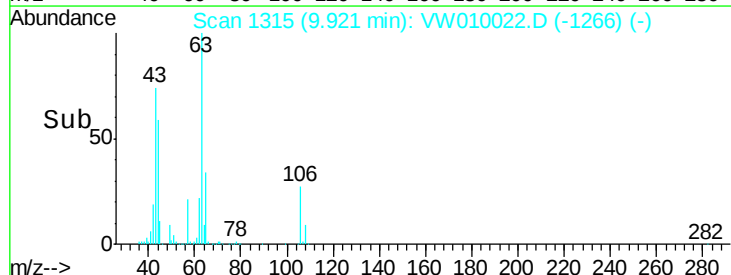
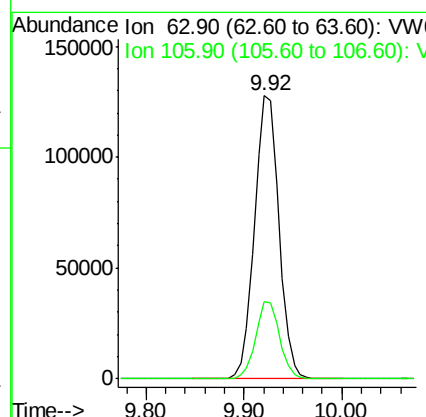
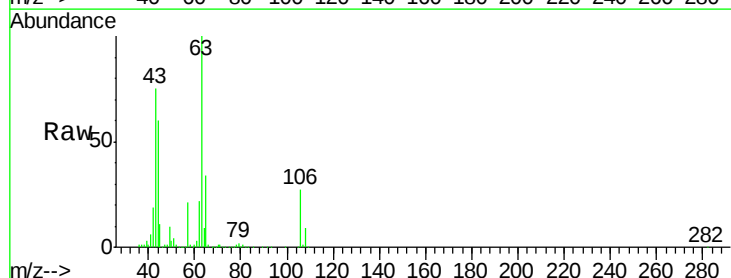
Manual Integrations
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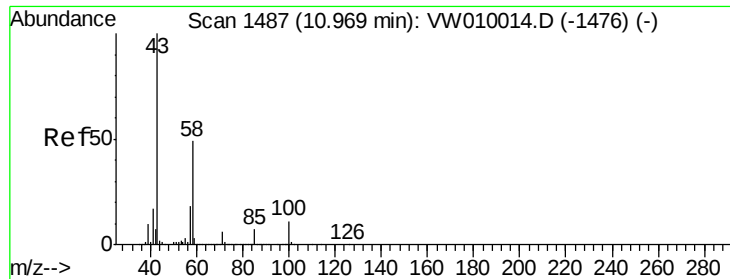
MMDadoda
 4/18/2019 11:40:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.426 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.4	32.0





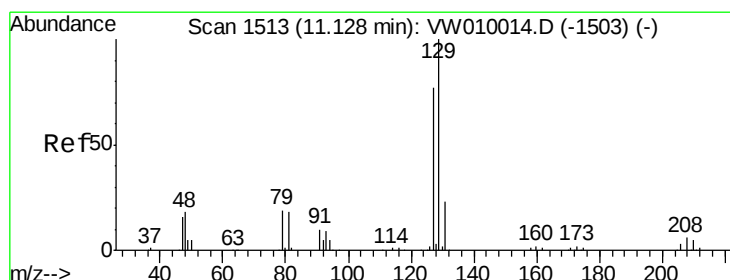
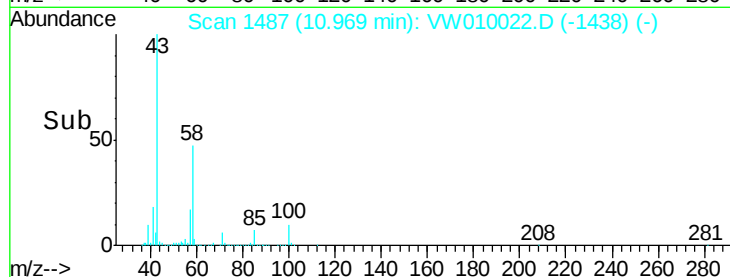
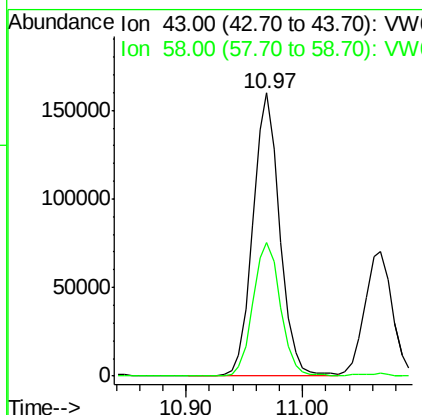
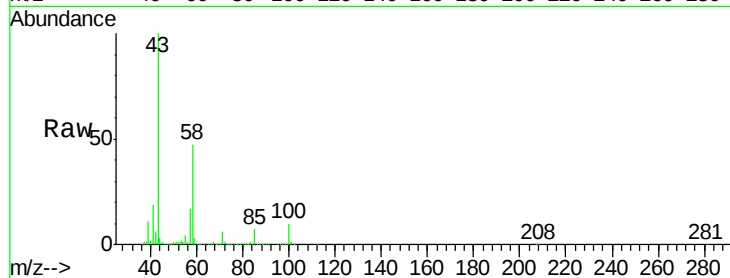
#59
2-Hexanone
Concen: 110.921 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tot Ion: 43 Resp: 255472
Ion Ratio Lower Upper
43 100
58 48.4 24.9 74.7

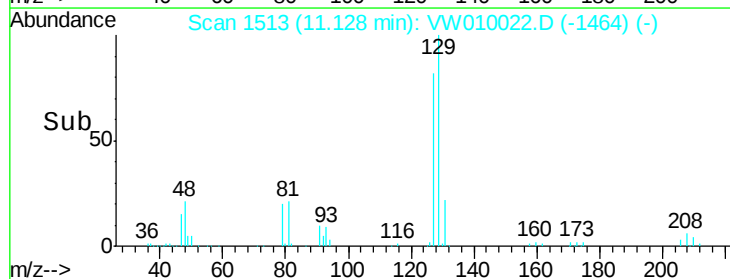
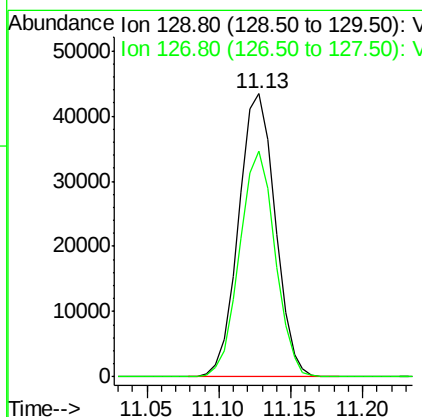
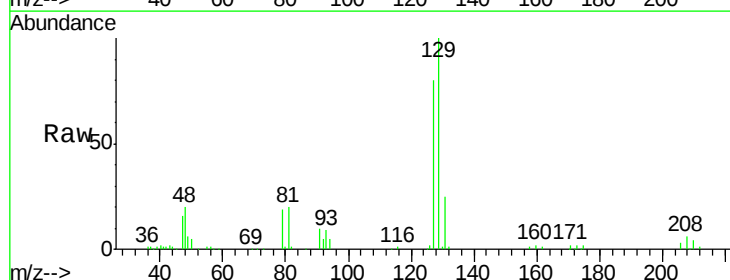
Manual Integrations
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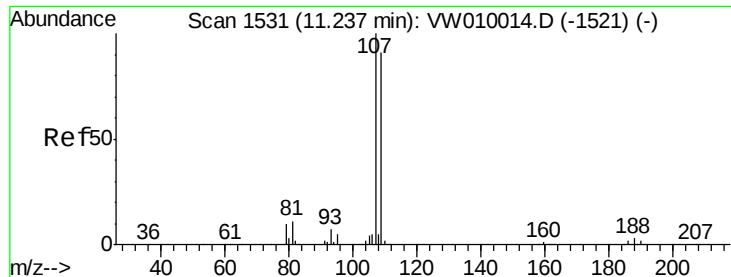
MMDadoda
4/18/2019 11:40:48 AM



#60
Dibromochloromethane
Concen: 19.203 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 129 Resp: 76553
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.681 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 107 Resp: 64578

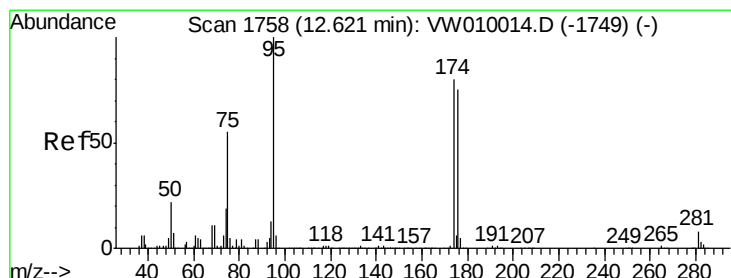
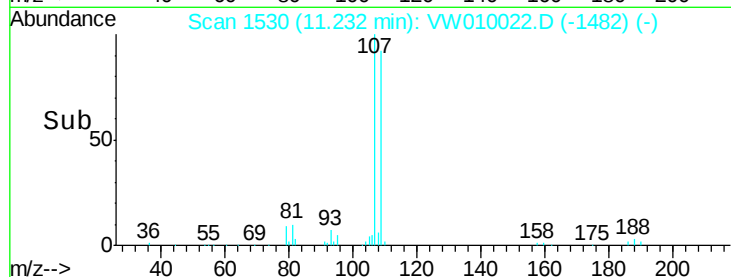
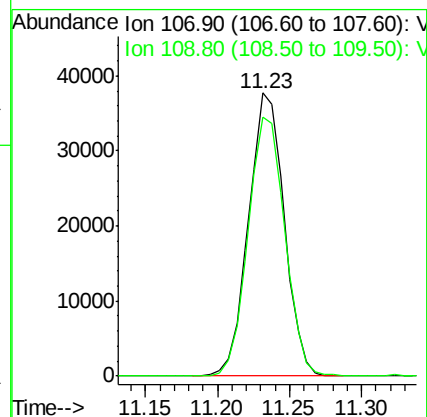
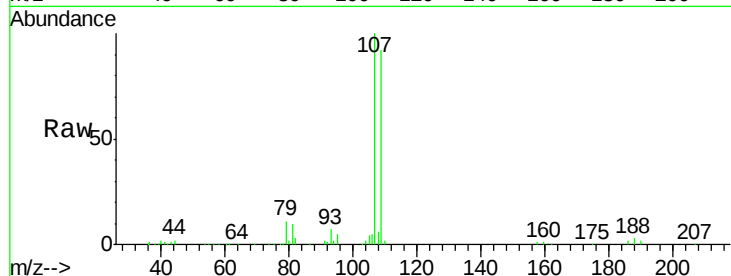
Ion Ratio Lower Upper

107 100

109 94.1 73.6 110.4

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:48 AM



#62

4-Bromofluorobenzene

Concen: 52.125 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

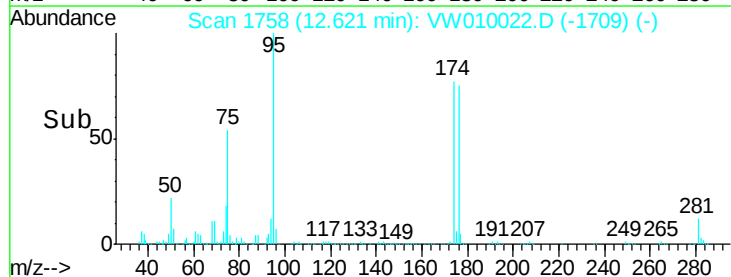
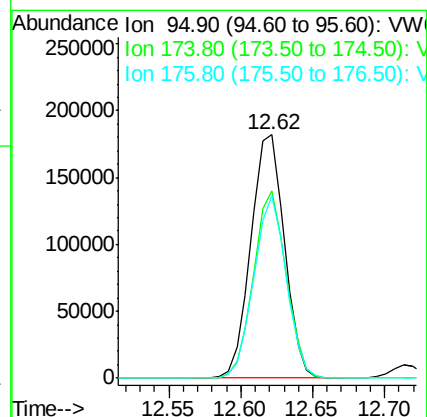
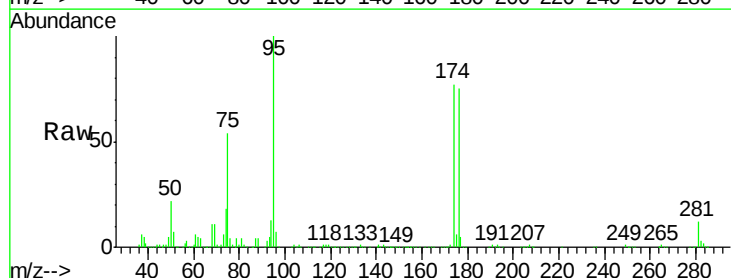
Tgt Ion: 95 Resp: 293162

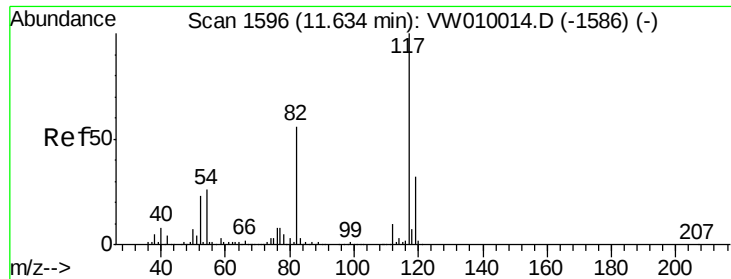
Ion Ratio Lower Upper

95 100

174 74.8 0.0 151.4

176 72.2 0.0 146.2





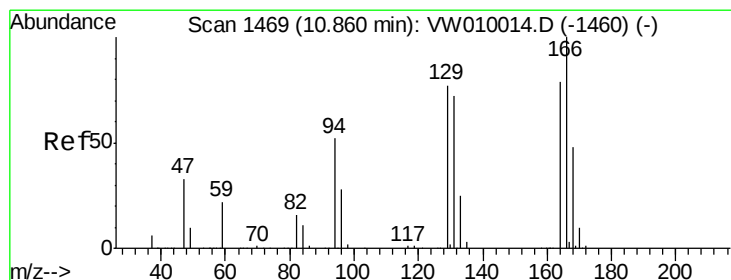
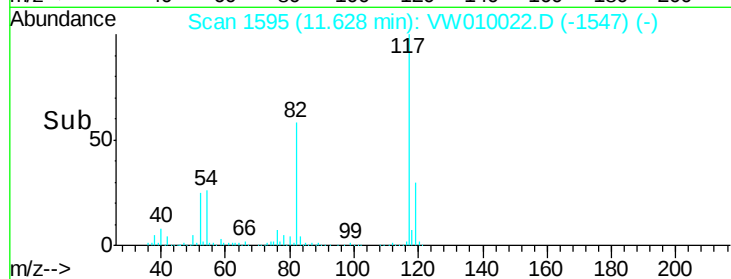
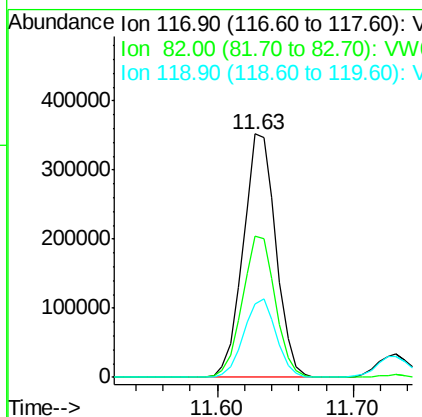
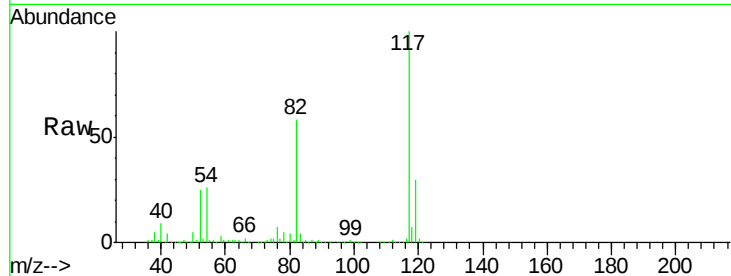
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	591215		
82	58.2		45.2	67.8
119	30.4		25.4	38.2

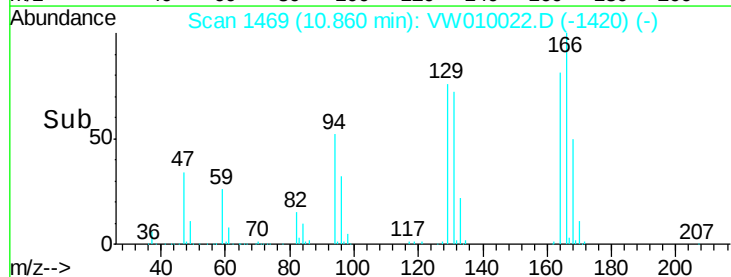
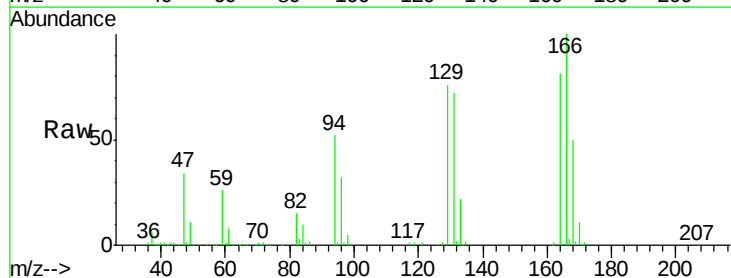
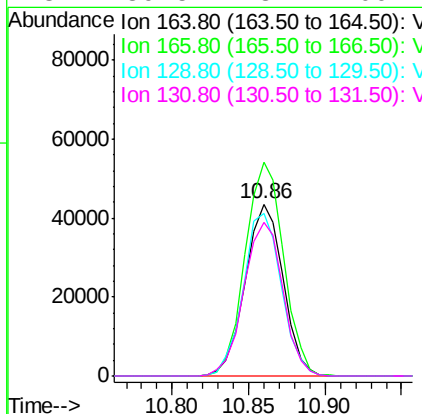
Manual Integrations
APPROVED

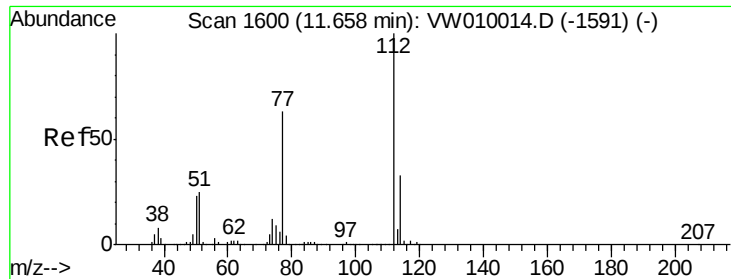
MMDadoda
4/18/2019 11:40:48 AM



#64
Tetrachloroethene
Concen: 19.554 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75049		
166	124.1		101.2	151.8
129	94.3		77.8	116.6
131	89.5		73.1	109.7





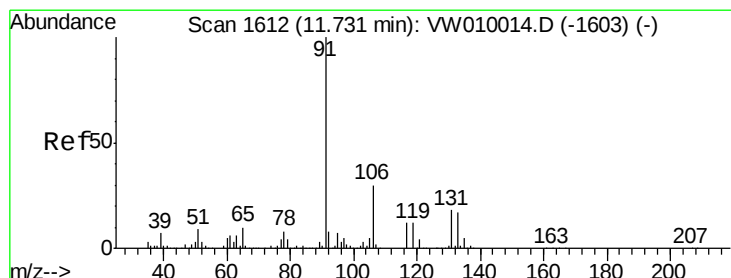
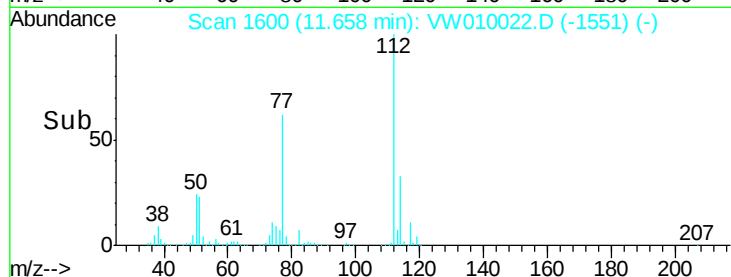
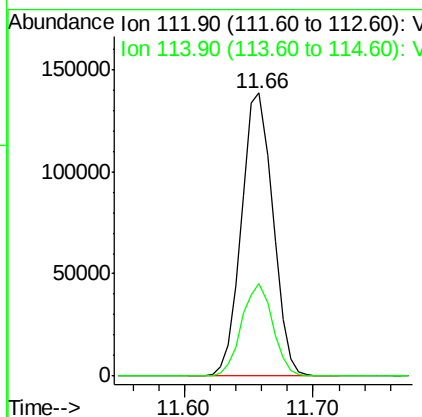
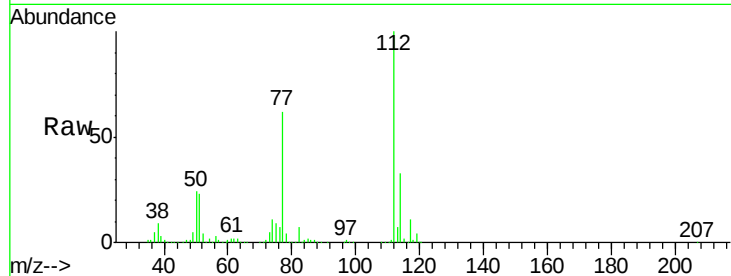
#65
Chlorobenzene
Concen: 19.277 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.5	39.7

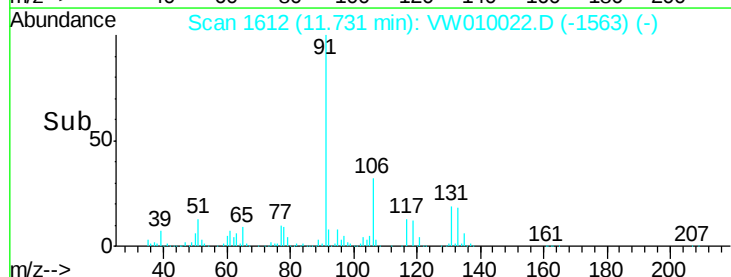
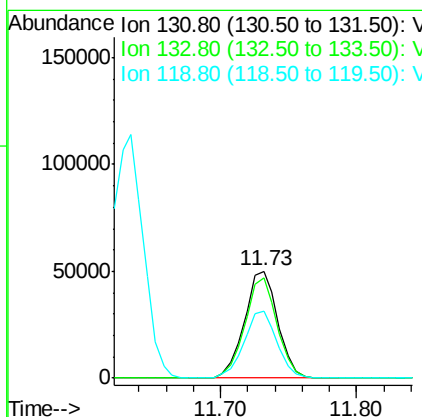
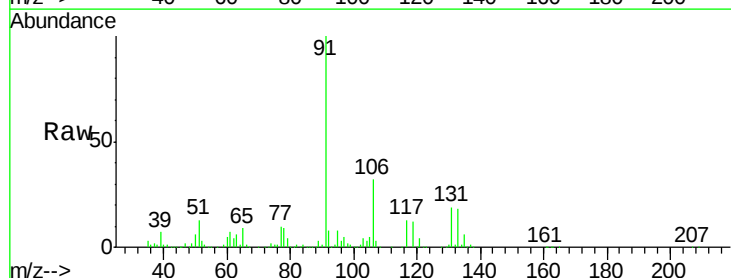
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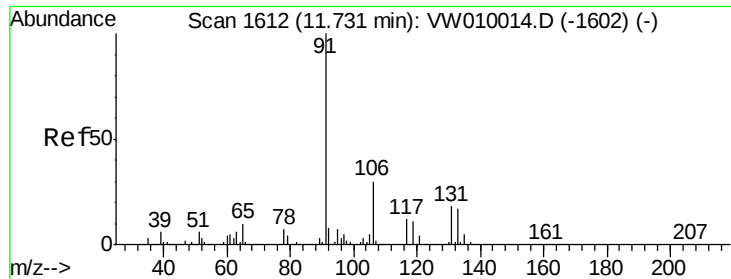
MMDadoda
4/18/2019 11:40:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.768 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.4	46.5	139.5
119	62.0	31.9	95.5





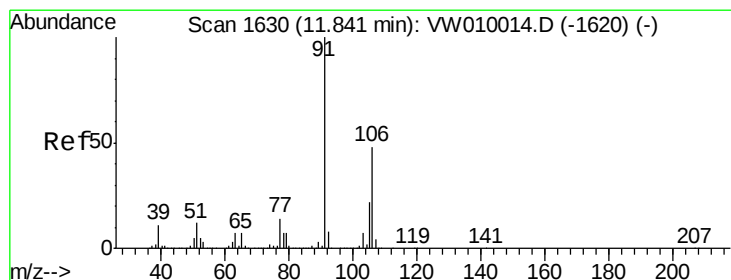
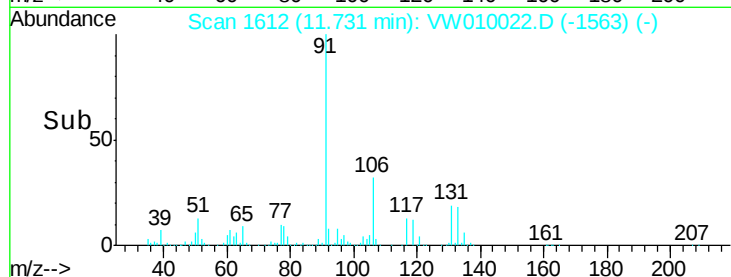
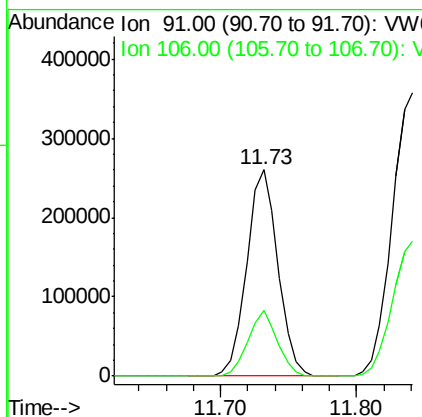
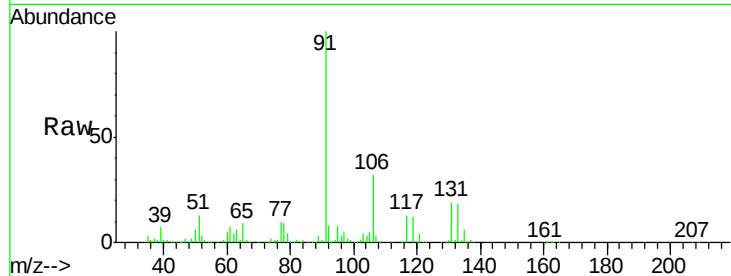
#67
Ethyl Benzene
Concen: 19.367 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tot Ion: 91 Resp: 418115
Ion Ratio Lower Upper
91 100
106 31.8 23.8 35.8

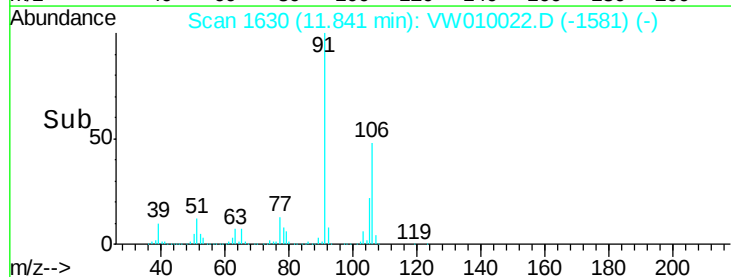
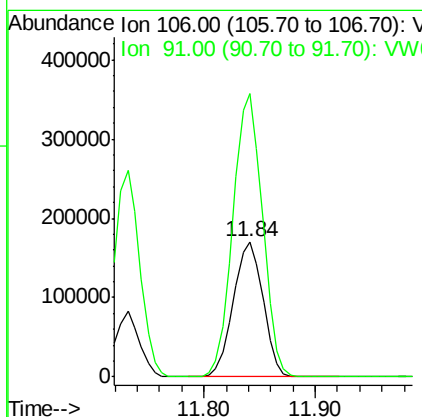
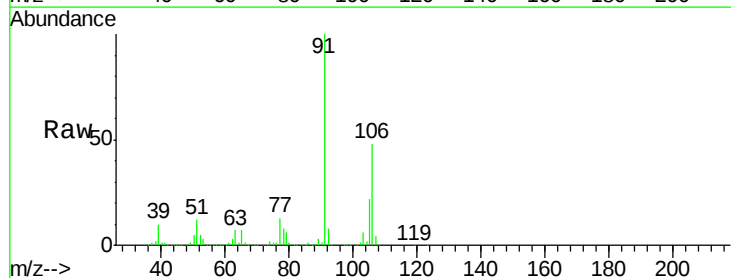
Manual Integrations
APPROVED

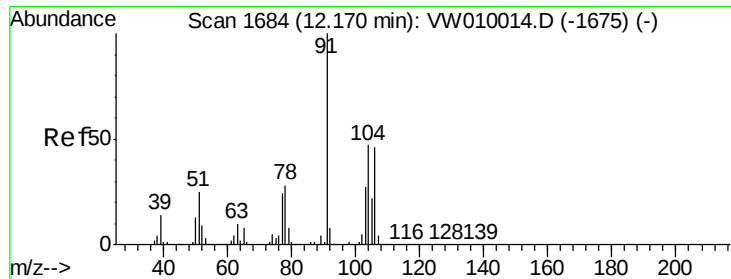
MMDadoda
4/18/2019 11:40:48 AM



#68
m/p-Xylenes
Concen: 39.068 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 106 Resp: 315291
Ion Ratio Lower Upper
106 100
91 208.1 165.0 247.6





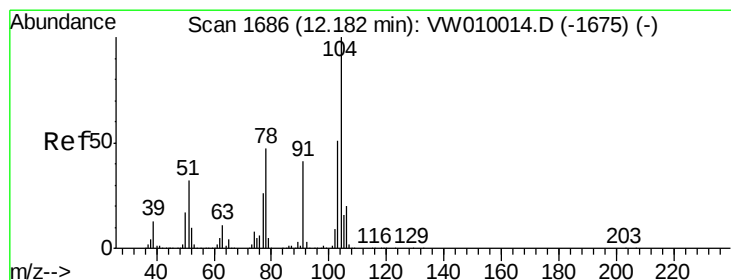
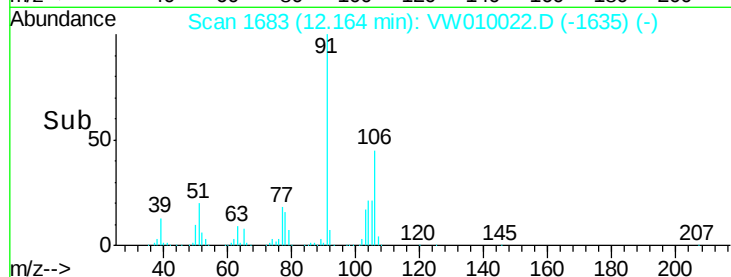
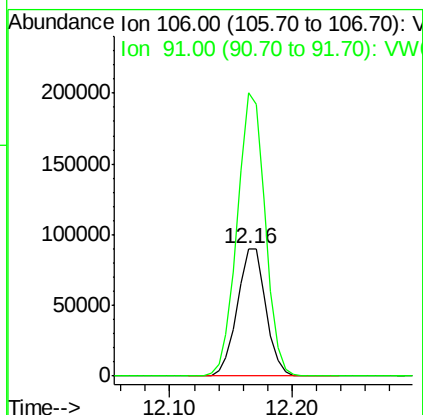
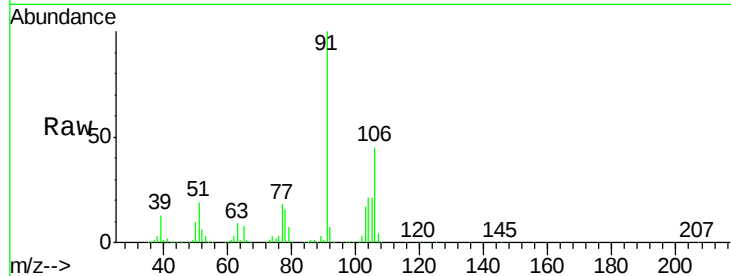
#69
o-Xylene
Concen: 19.768 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion:106 Resp: 145263
Ion Ratio Lower Upper
106 100
91 218.1 110.5 331.4

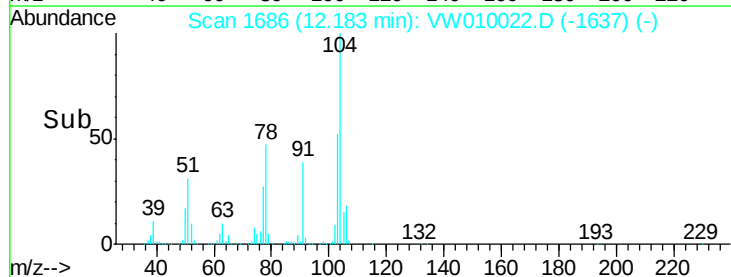
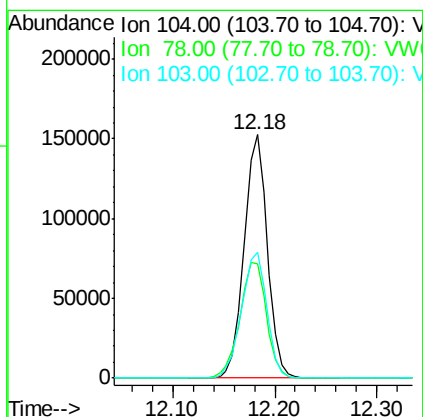
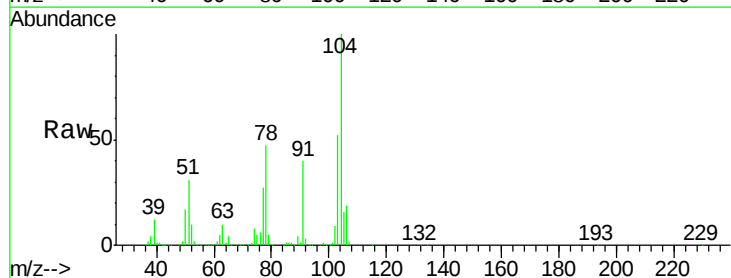
Manual Integrations
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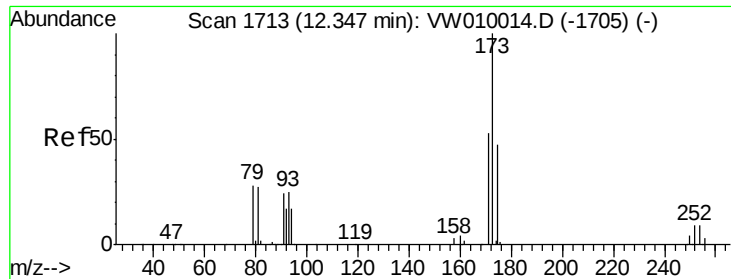
MMDadoda
4/18/2019 11:40:48 AM



#70
Styrene
Concen: 19.141 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion:104 Resp: 242513
Ion Ratio Lower Upper
104 100
78 53.9 42.5 63.7
103 56.4 43.6 65.4





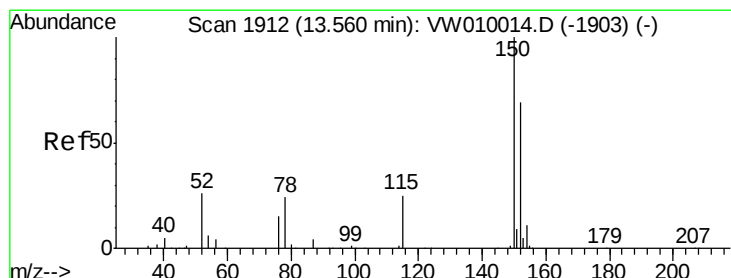
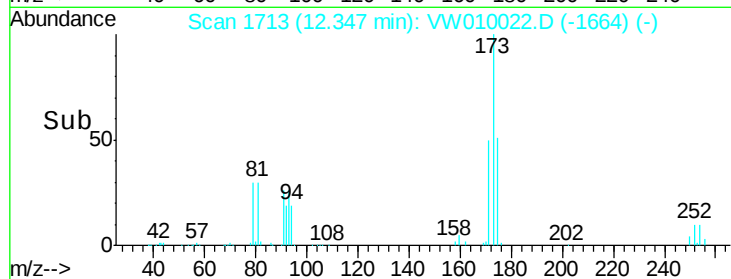
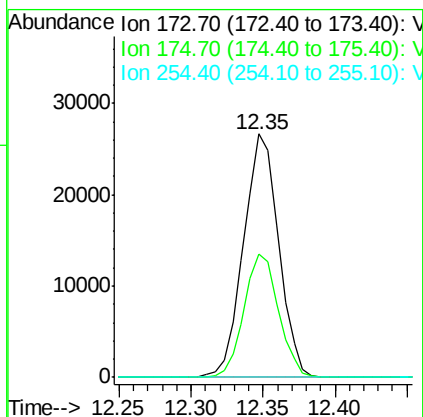
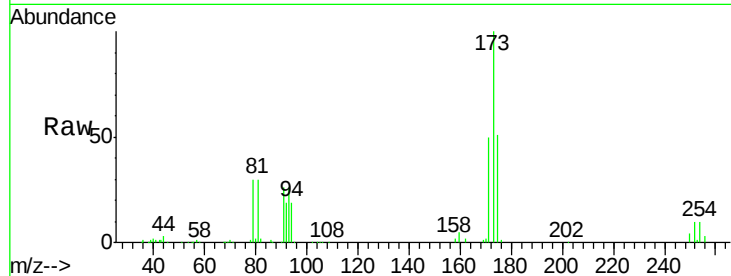
#71
Bromoform
Concen: 19.659 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampled :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	23.8	71.4
254	0.0	0.1	0.1

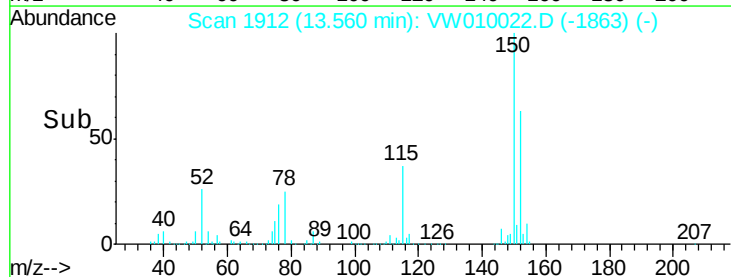
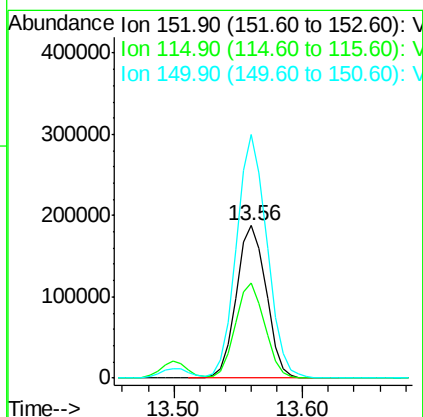
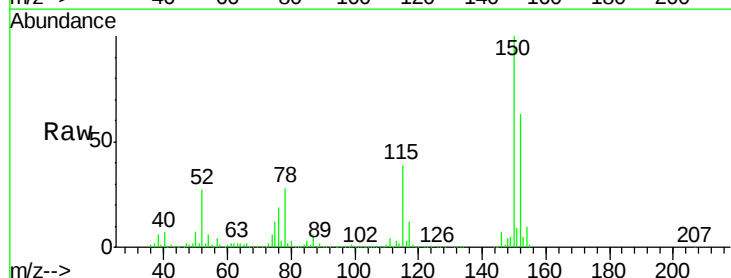
Manual Integrations
APPROVED

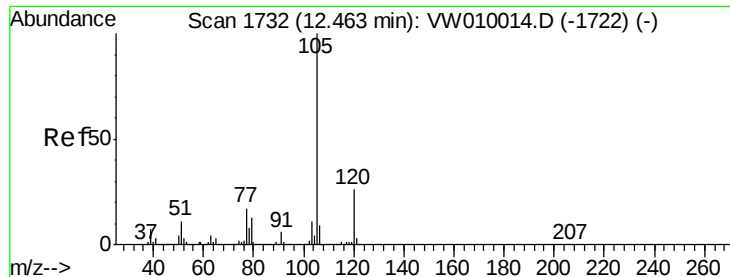
MMDadoda
4/18/2019 11:40:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.4	91.2
150	162.6	0.0	347.0





#73

Isopropylbenzene

Concen: 19.549 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 105 Resp: 410404

Ion Ratio Lower Upper

105 100

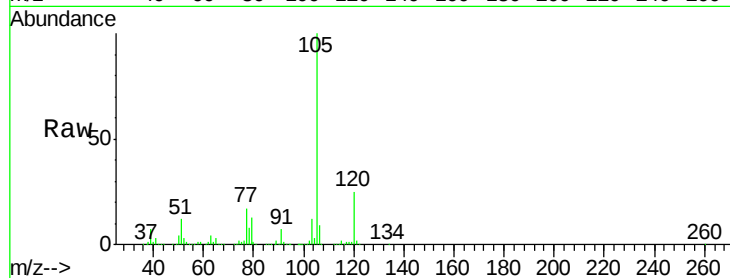
120 25.8 13.1 39.1

Manual Integrations

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4/18/2019 11:40:48 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

250000

200000

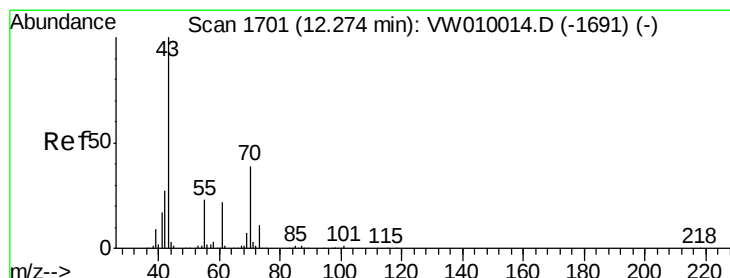
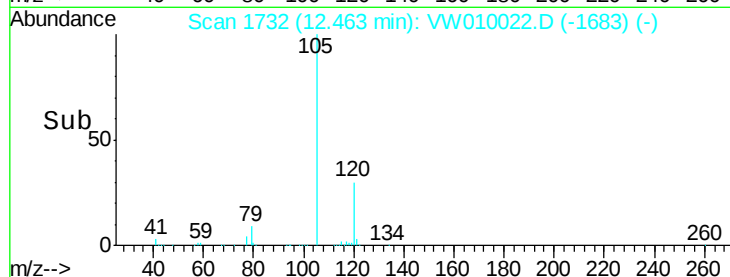
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.247 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion: 43 Resp: 123525

Ion Ratio Lower Upper

43 100

70 38.8 31.3 46.9

55 25.1 20.0 30.0

61 21.5 17.8 26.8

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

120000

100000

80000

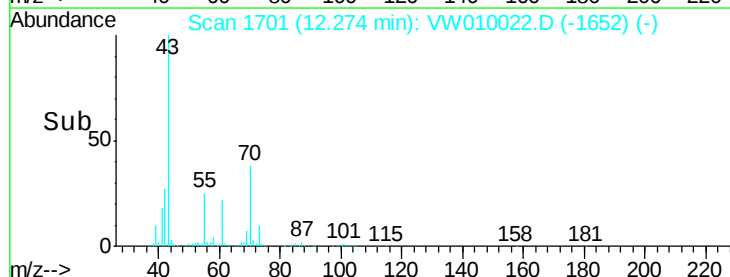
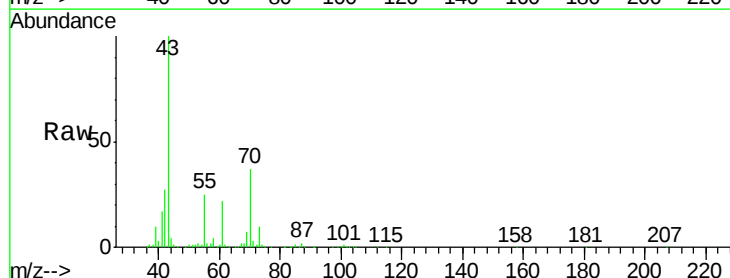
60000

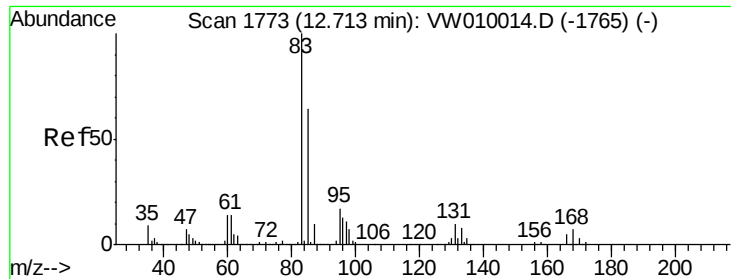
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.243 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

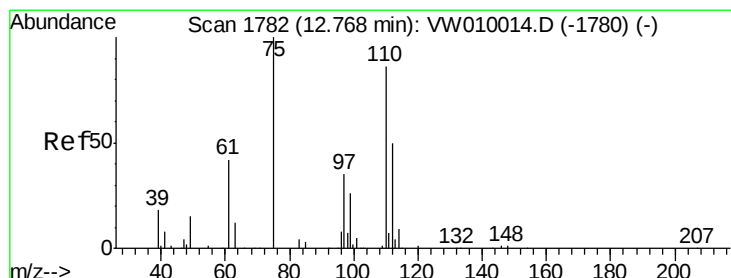
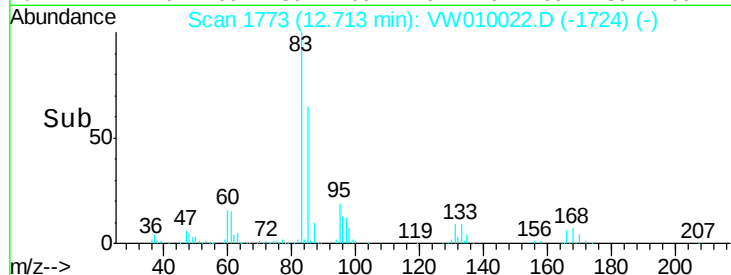
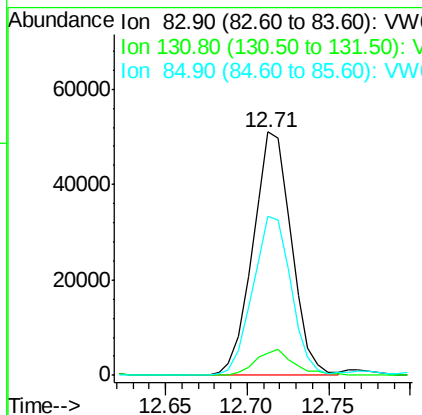
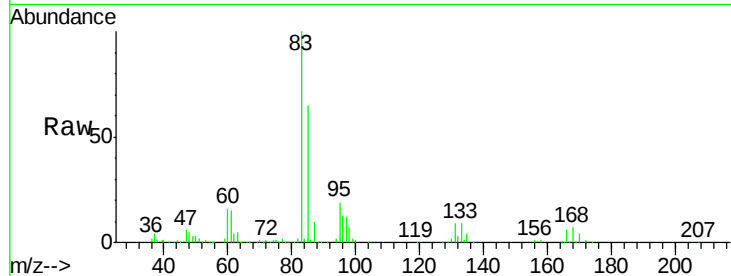
ClientSampleId :

VW0417SBS01

Tot Ion:	83	Resp:	83963
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	15.8
85	65.0	32.0	96.2

Manual Integrations
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4/18/2019 11:40:48 AM



#76

1,2,3-Trichloropropane

Concen: 20.234 ug/l m

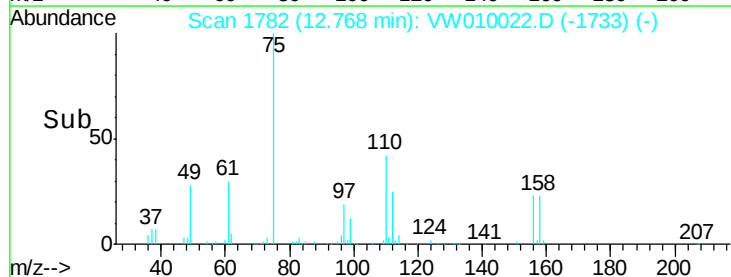
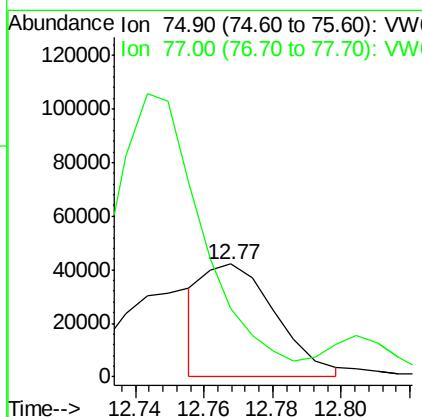
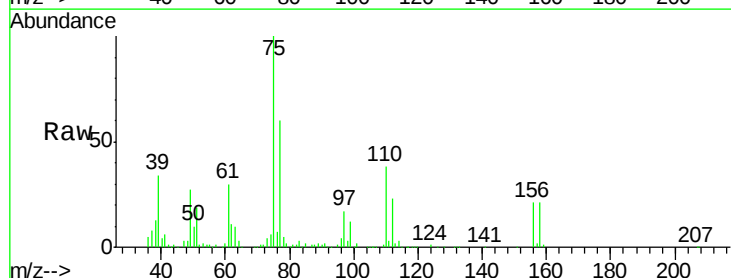
RT: 12.77 min Scan# 1782

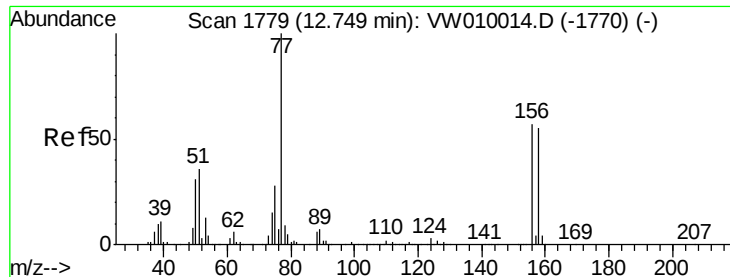
Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion:	75	Resp:	61086
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.729 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

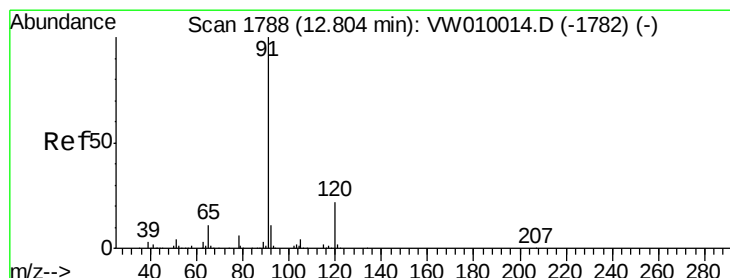
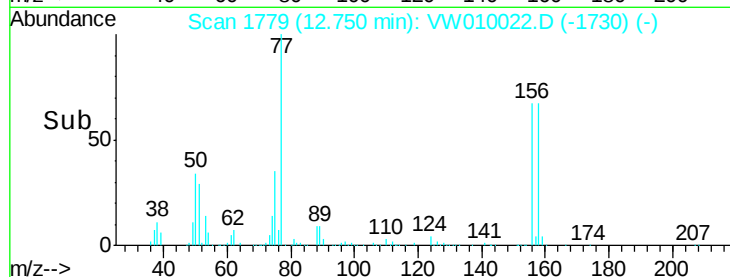
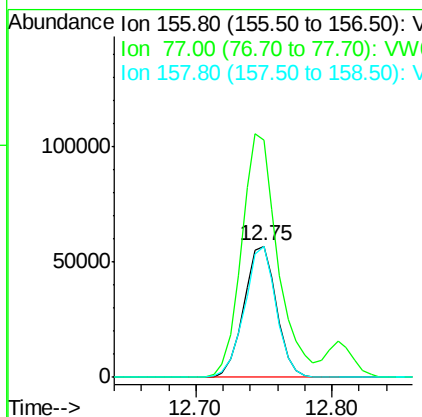
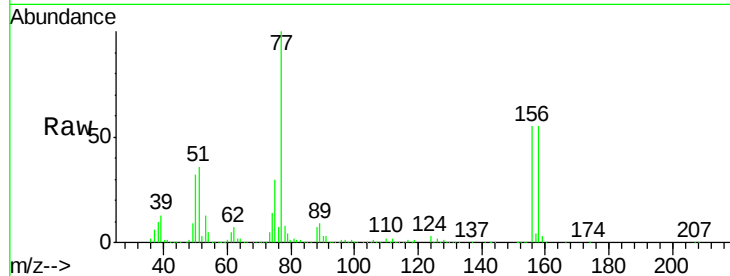
ClientSampleId :

VW0417SBS01

Tot Ion	156	Resp	95254
Ion Ratio	Lower	Upper	
156	100		
77	205.2	102.5	307.4
158	96.9	48.8	146.4

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#78

n-propylbenzene

Concen: 19.892 ug/l

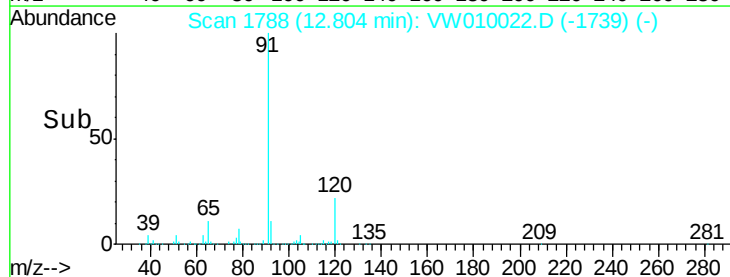
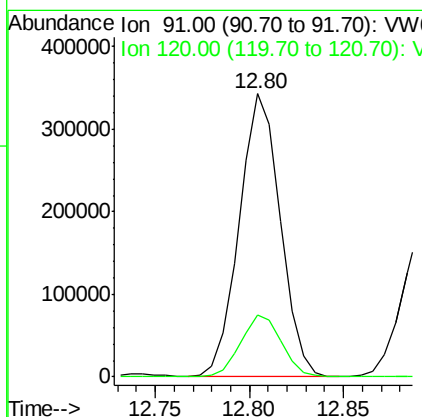
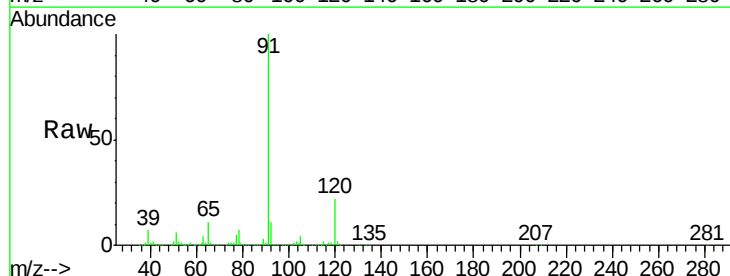
RT: 12.80 min Scan# 1788

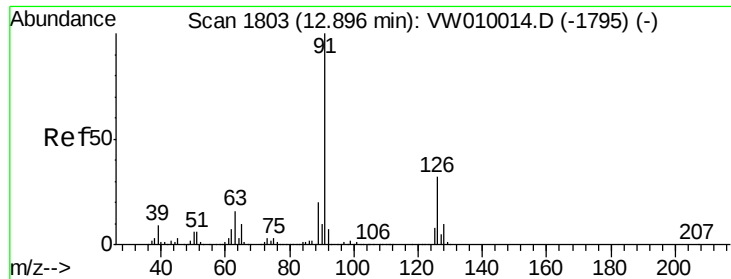
Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion	91	Resp	517561
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
91	100		
120	21.8	11.1	33.1





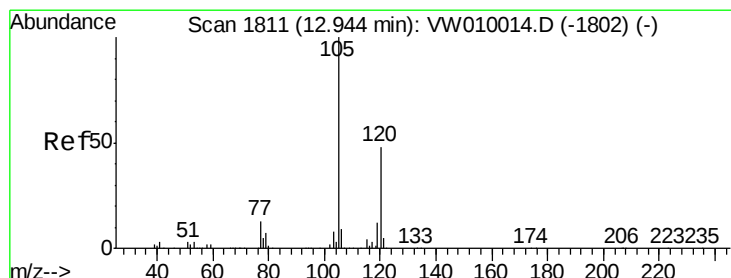
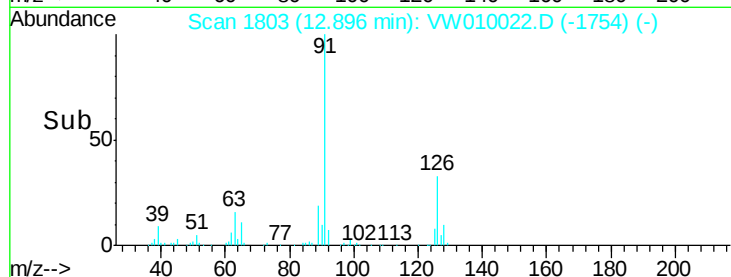
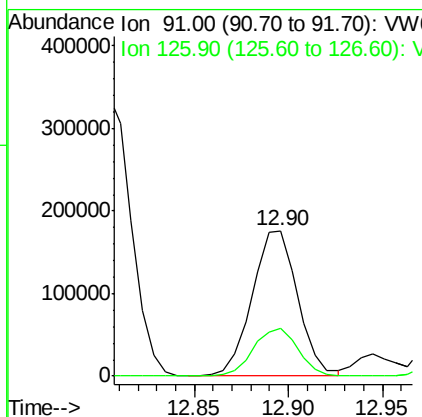
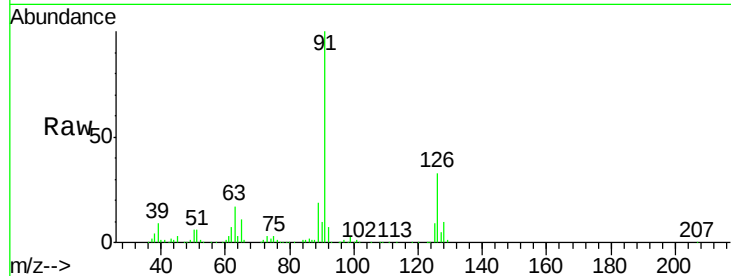
#79
 2-Chlorotoluene
 Concen: 19.672 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.8

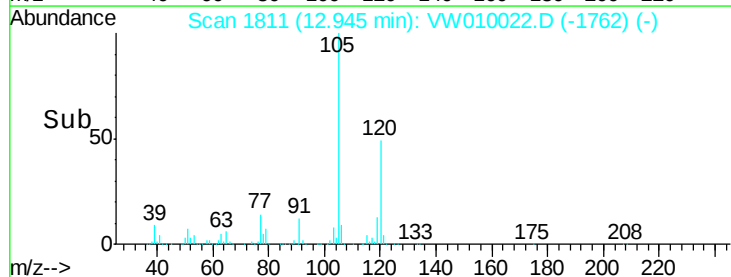
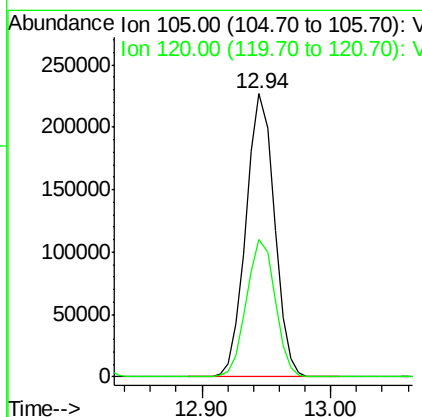
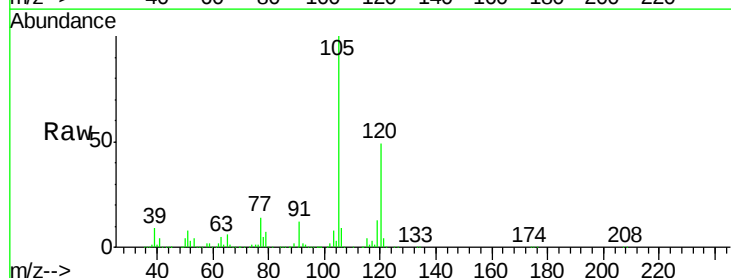
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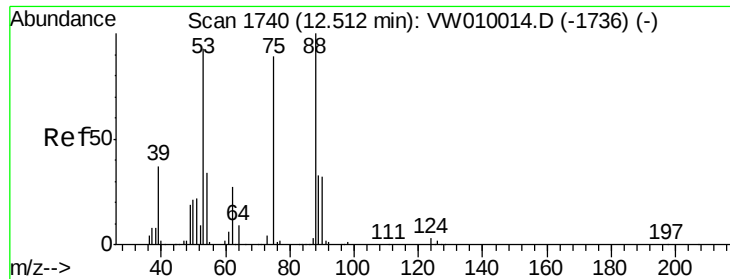
MMDadoda
 4/18/2019 11:40:48 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.355 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.3	72.8





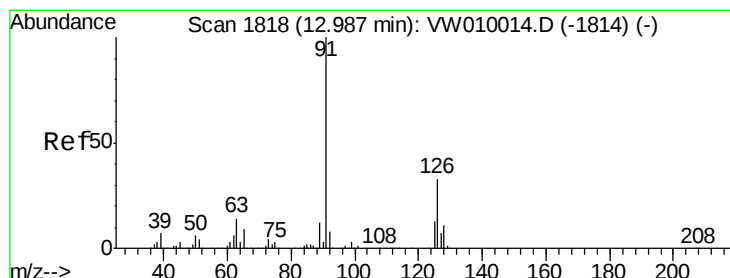
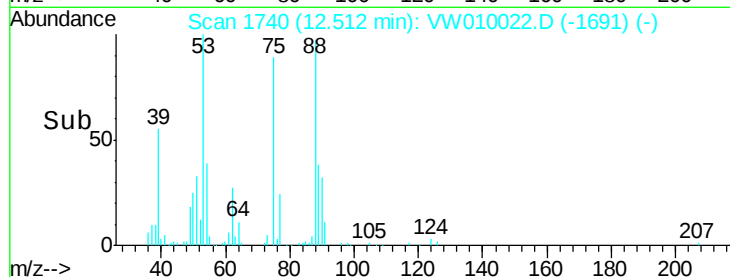
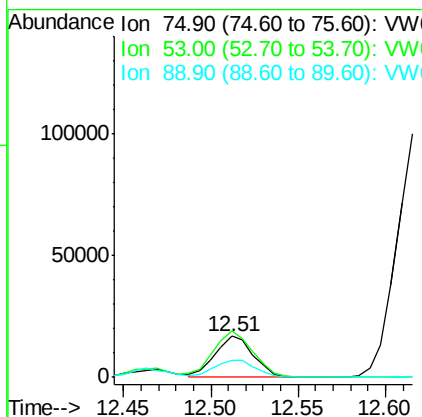
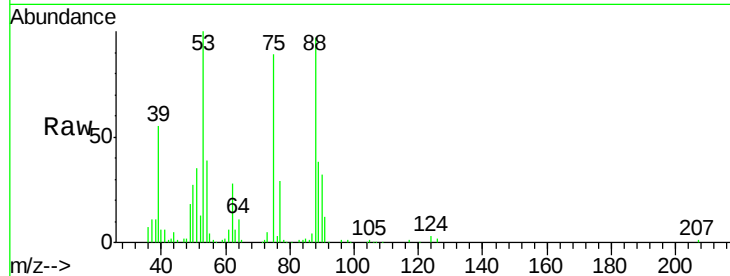
#81
trans-1,4-Dichloro-2-butene
Concen: 20.292 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.5	89.8	134.8
89	45.7	36.6	54.8

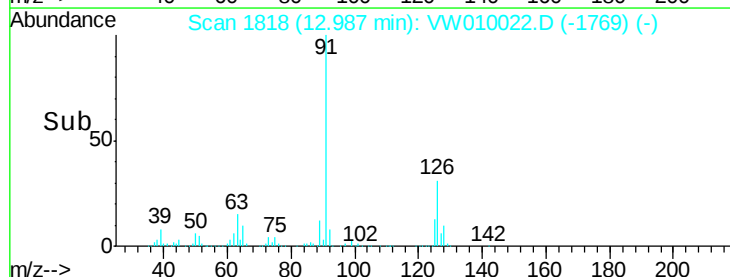
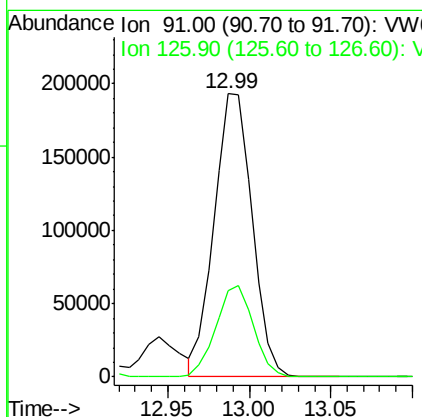
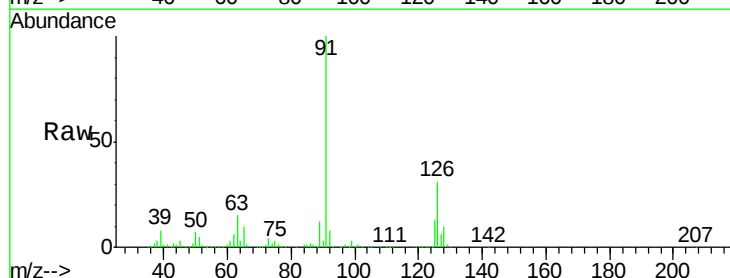
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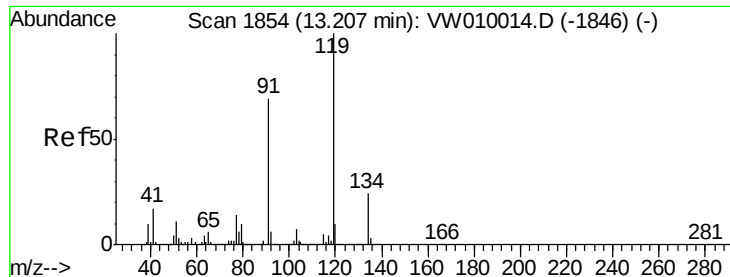
MMDadoda
4/18/2019 11:40:48 AM



#82
4-Chlorotoluene
Concen: 19.854 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.1





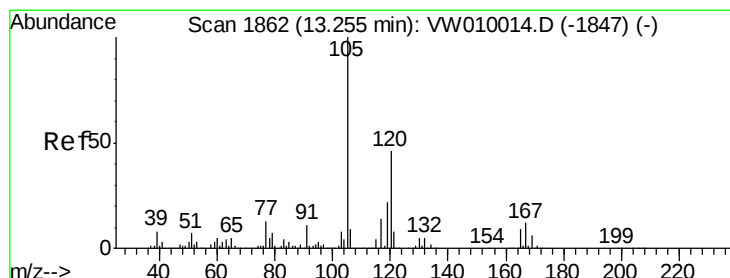
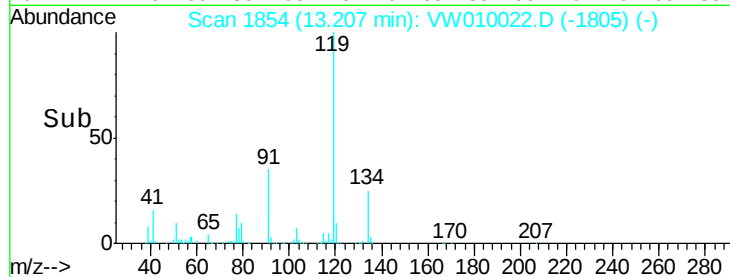
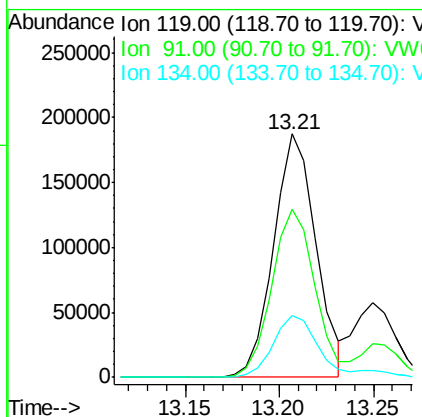
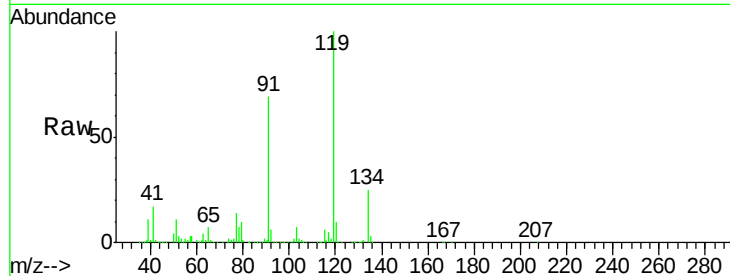
#83
tert-Butylbenzene
Concen: 19.804 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.2	34.8	104.4
134	28.3	13.7	41.1

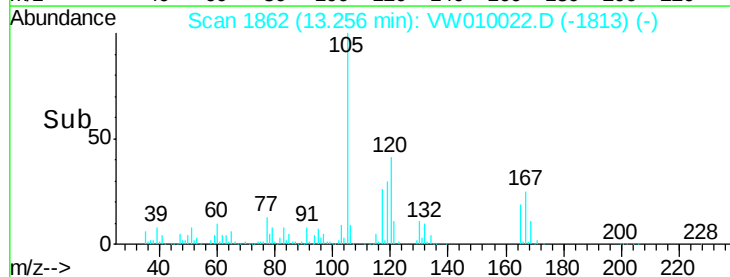
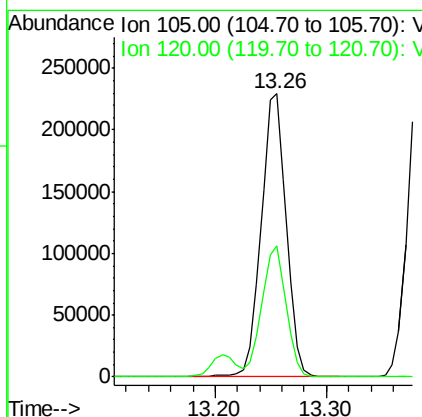
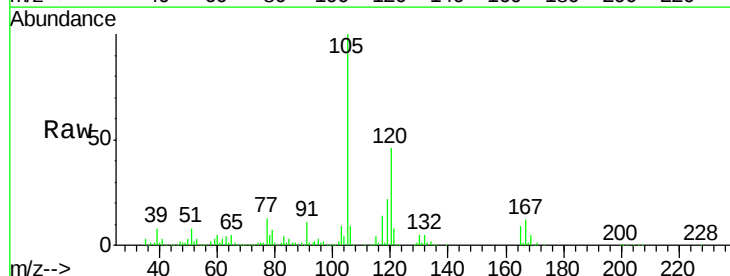
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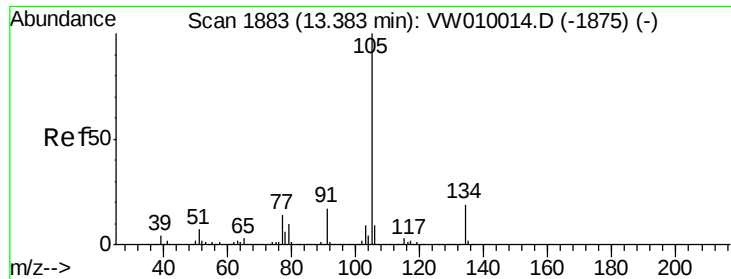
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#84
1,2,4-Trimethylbenzene
Concen: 20.018 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.965 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion:105 Resp: 439799

Ion Ratio Lower Upper

105 100

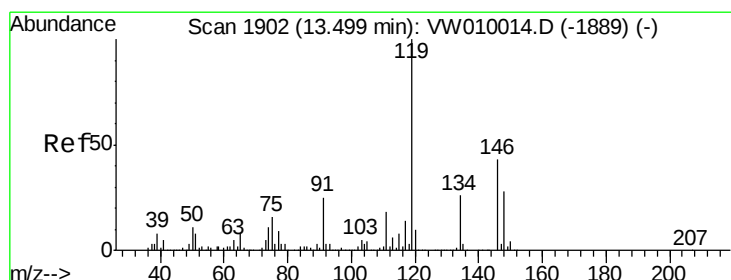
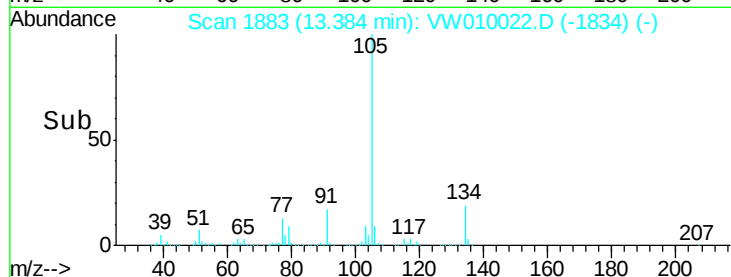
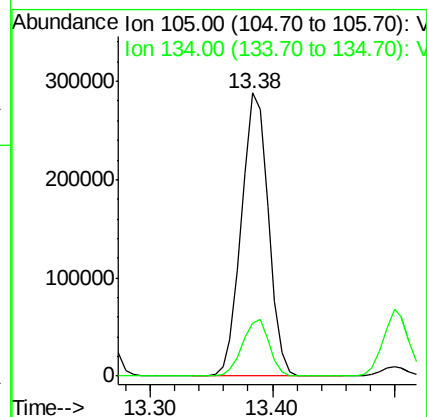
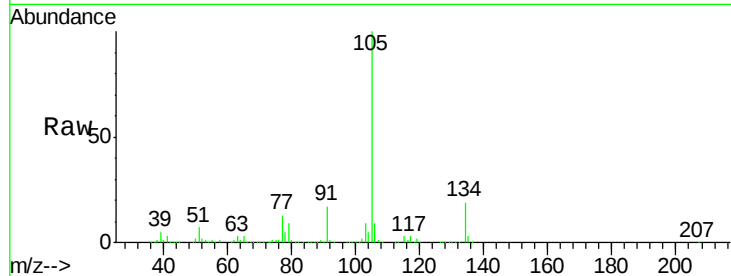
134 19.9 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.630 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

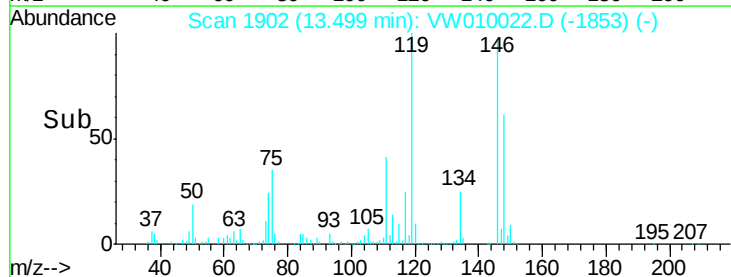
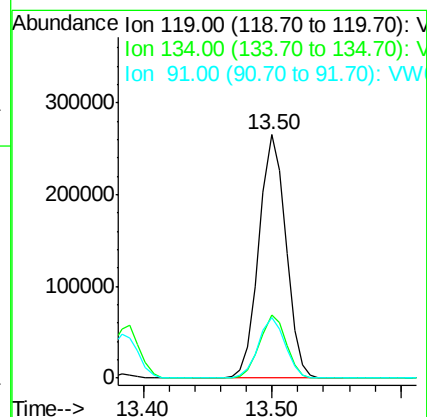
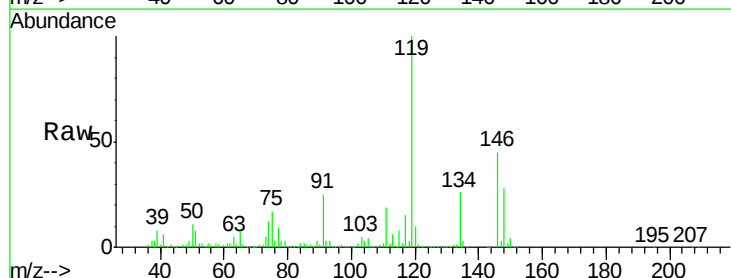
Tgt Ion:119 Resp: 381133

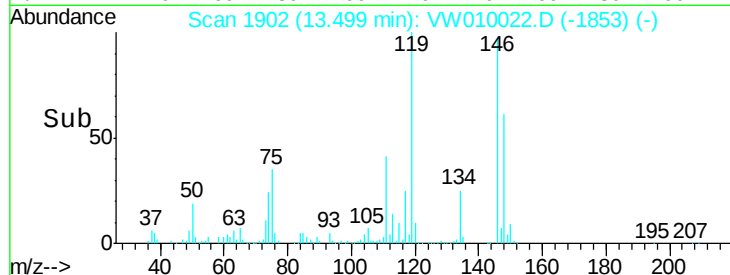
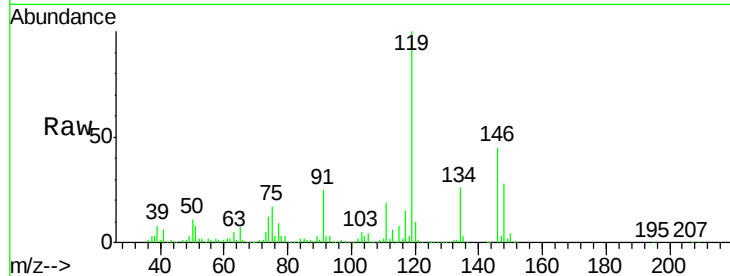
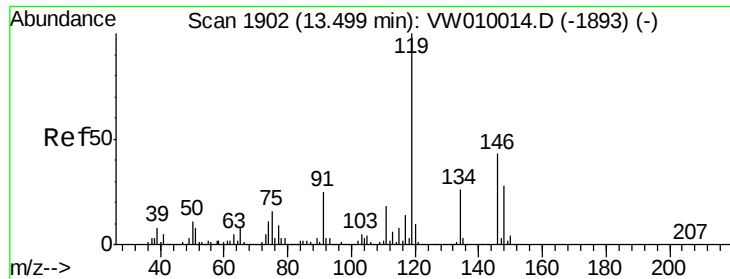
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.9 12.3 36.9





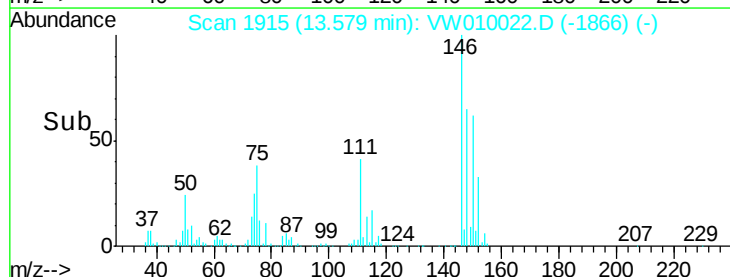
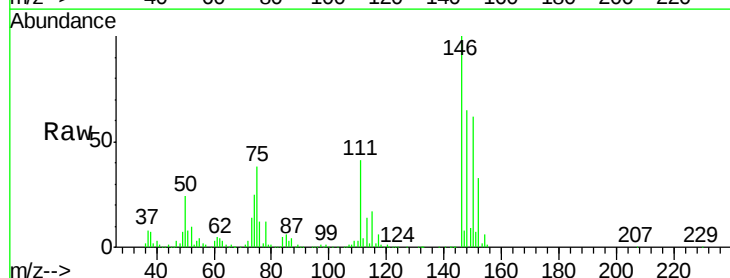
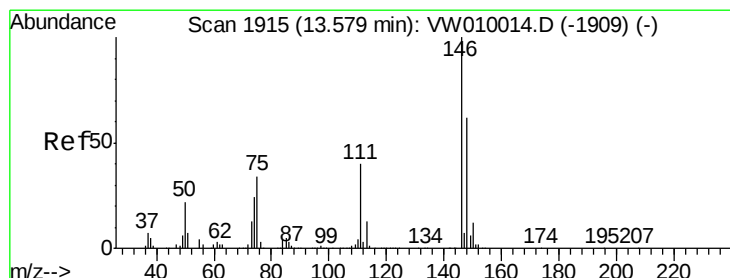
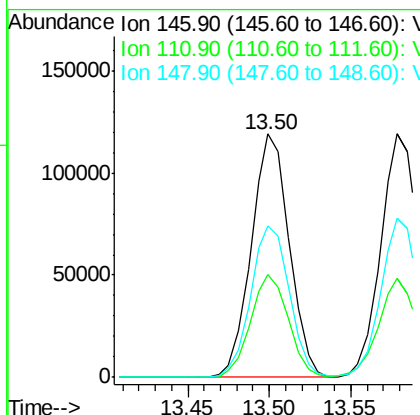
#87
 1,3-Dichlorobenzene
 Concen: 19.660 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191880		
111	42.1	20.3	61.0	
148	63.5	32.0	96.2	

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD01

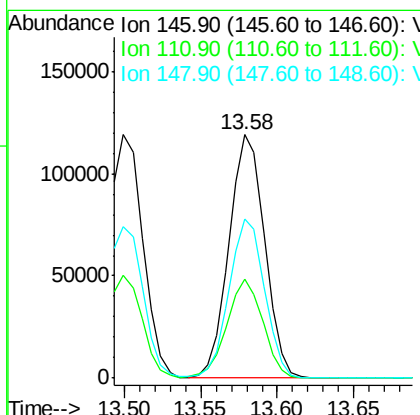
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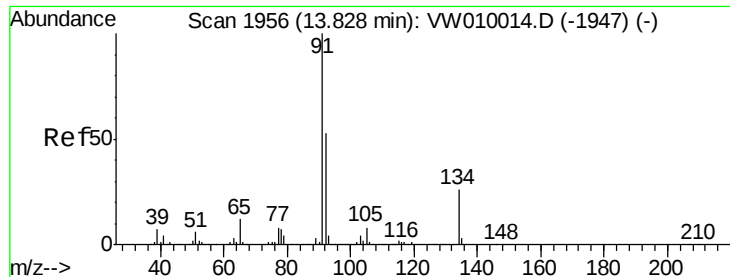
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#88
 1,4-Dichlorobenzene
 Concen: 19.790 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	192792		
111	41.0	20.1	60.3	
148	65.2	31.8	95.3	





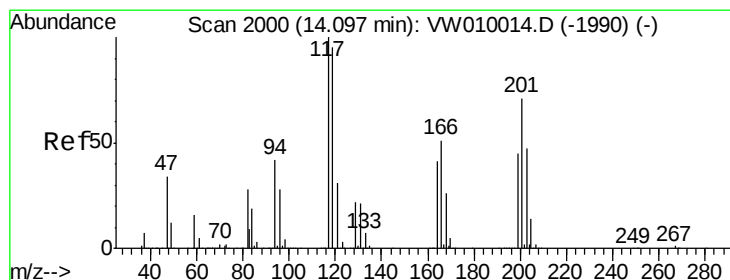
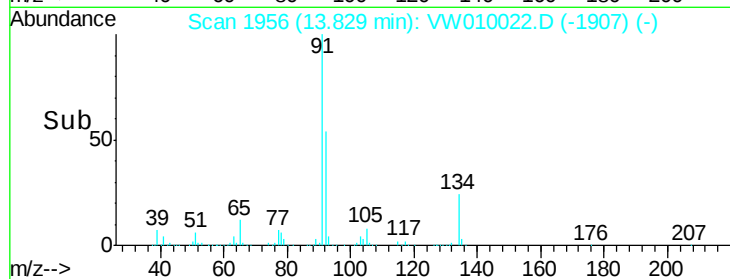
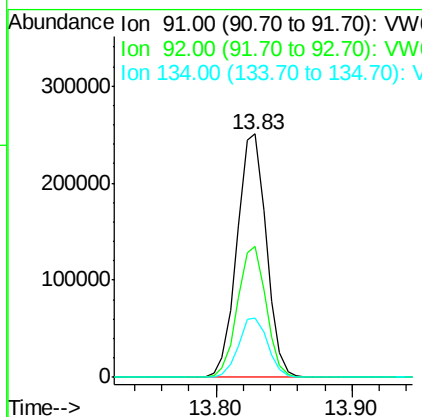
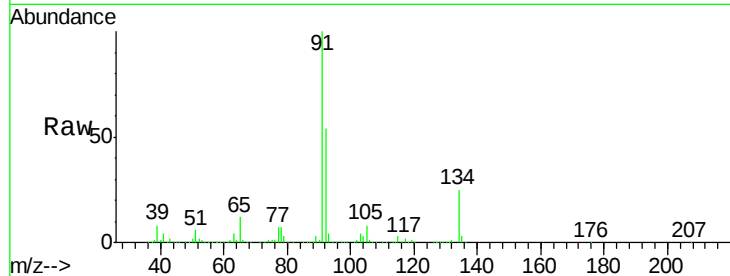
#89
n-Butylbenzene
Concen: 19.579 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.4
134	24.3	12.4	37.0

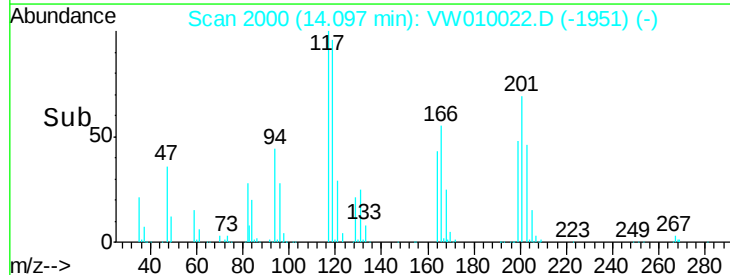
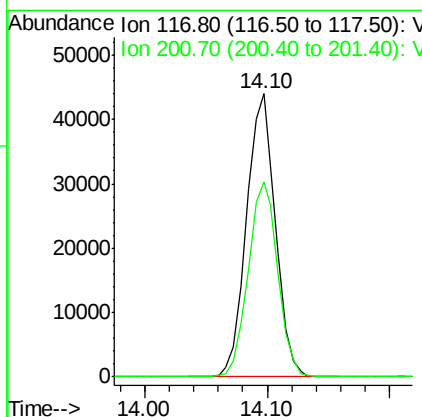
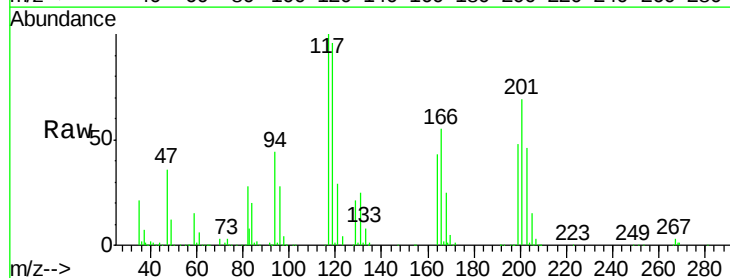
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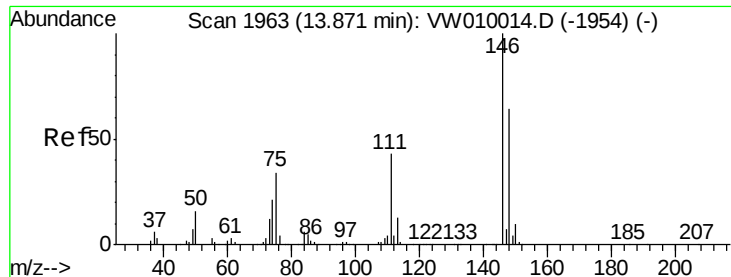
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#90
Hexachloroethane
Concen: 19.380 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	36.1	108.3





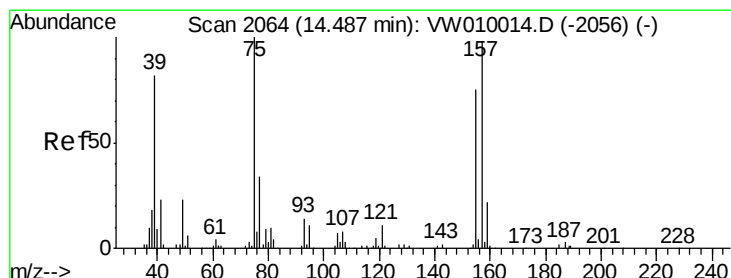
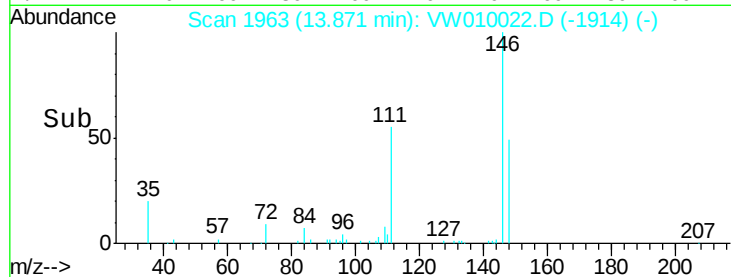
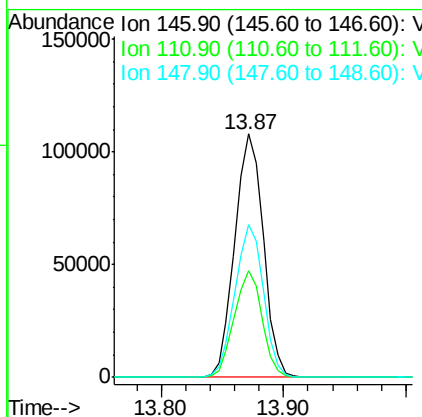
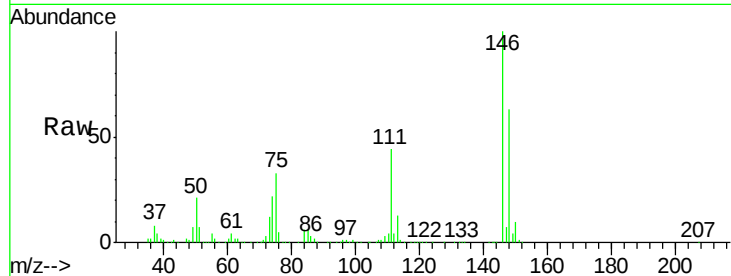
#91
 1,2-Dichlorobenzene
 Concen: 19.973 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.9	62.8
148	62.4	31.9	95.7

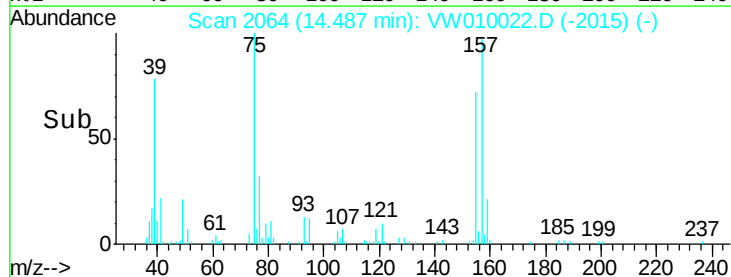
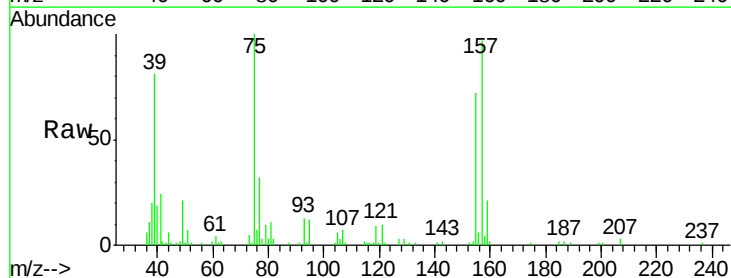
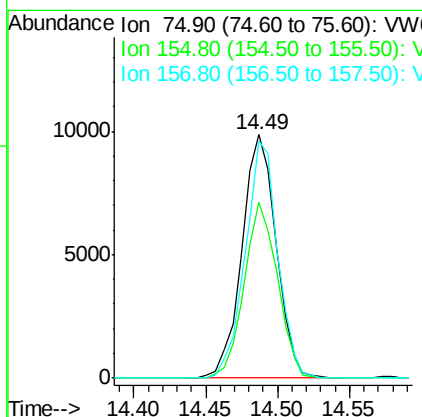
Manual Integrations
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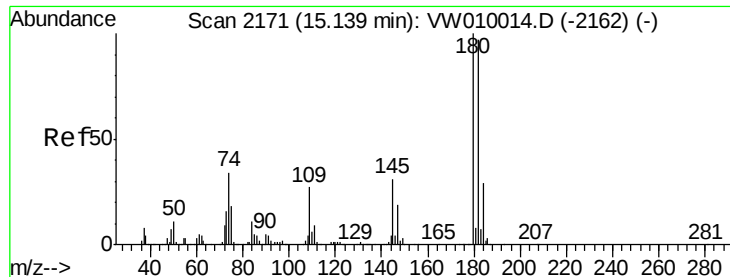
MMDadoda
 4/18/2019 11:40:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.831 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	37.1	111.5
157	92.0	47.3	141.9





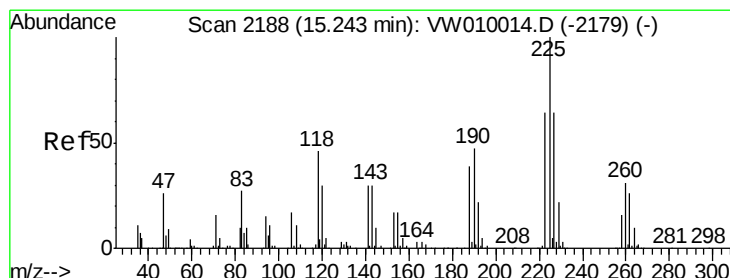
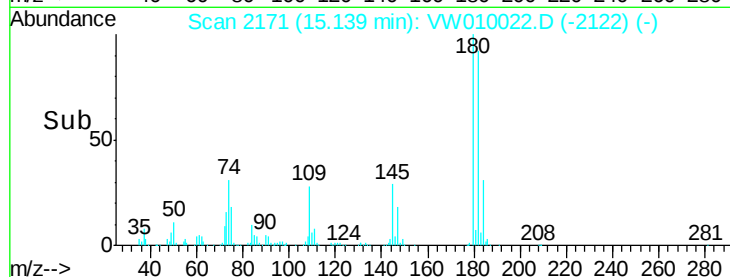
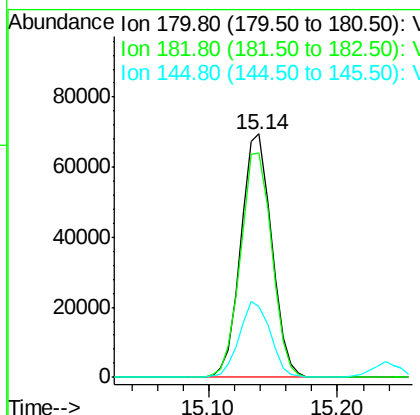
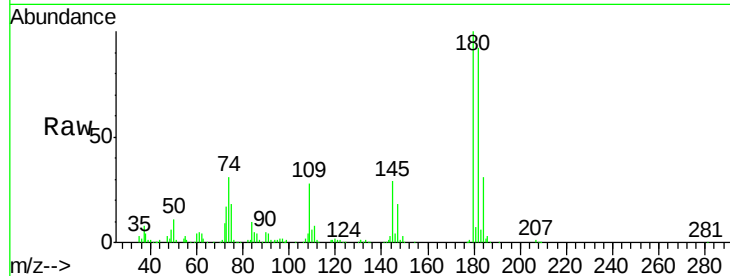
#93
 1,2,4-Trichlorobenzene
 Concen: 19.899 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114886		
182	94.0	47.1	141.4	
145	31.3	15.2	45.6	

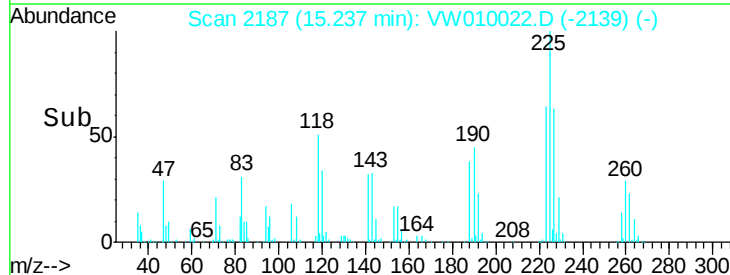
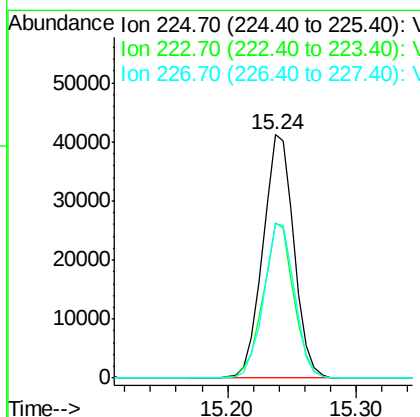
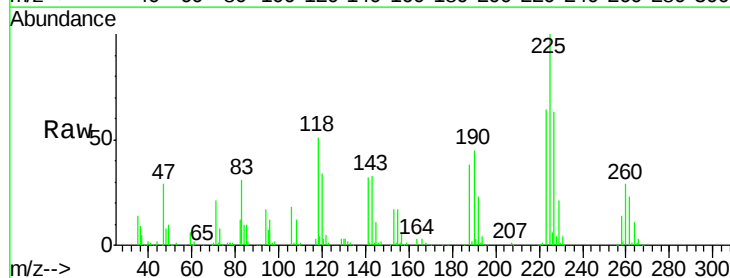
Manual Integrations
 APPROVED

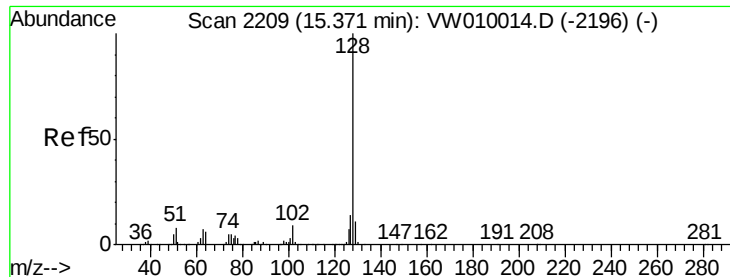
MMDadoda
 4/18/2019 11:40:48 AM



#94
 Hexachlorobutadiene
 Concen: 19.634 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68835		
223	62.5	31.9	95.5	
227	63.0	31.8	95.3	





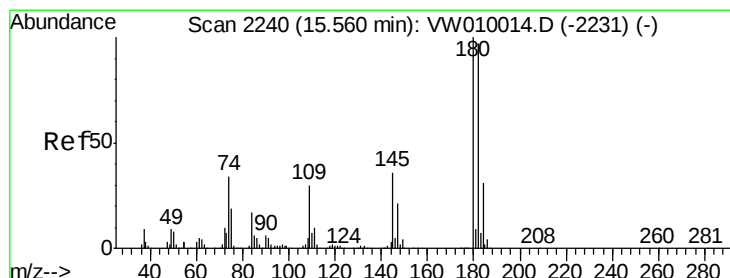
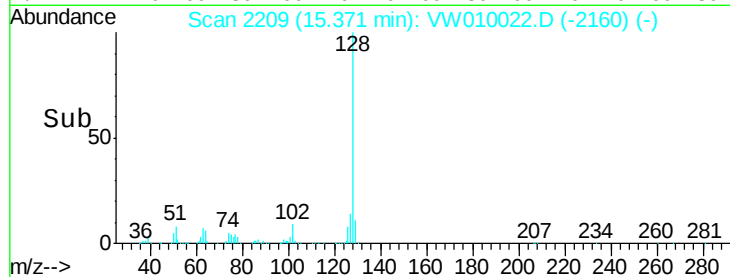
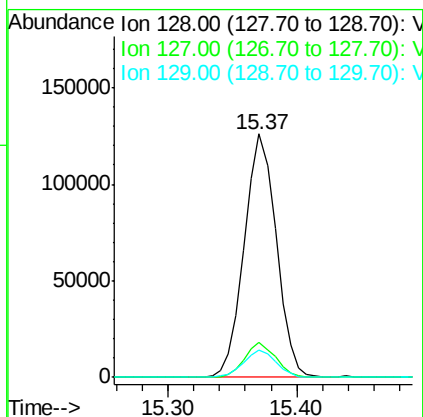
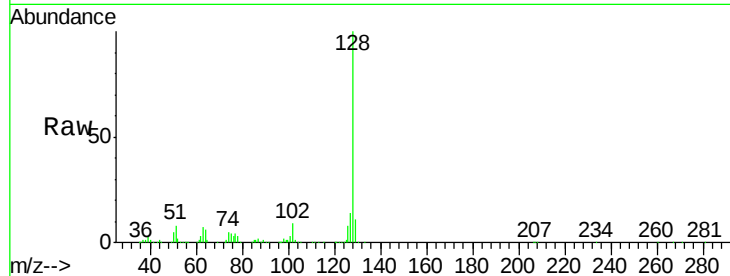
#95
Naphthalene
Concen: 20.567 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	216935		
127	13.6		10.6	15.8
129	11.3		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.281 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101586		
182	98.3		47.8	143.3
145	33.1		16.4	49.2

