

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008332.D
 Acq On : 17 Jan 2019 17:05
 Operator : SY/VA
 Sample : VW0117SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:10:09 PM

Quant Time: Jan 18 01:29:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	110347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	180278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	167288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	60015	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	7.88	113	58820	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.32	98	238411	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.62	95	84525	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13933	20.039	ug/l	96
3) Chloromethane	2.21	50	18996	18.638	ug/l	99
4) Vinyl Chloride	2.37	62	25880	19.873	ug/l	91
5) Bromomethane	2.78	94	19212	19.467	ug/l	85
6) Chloroethane	2.92	64	16999	19.943	ug/l	92
7) Trichlorofluoromethane	3.26	101	17968	18.791	ug/l	92
8) Diethyl Ether	3.68	74	13116	19.781	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.05	101	23003	20.663	ug/l	93
10) Methyl Iodide	4.26	142	33121	18.447	ug/l	99
11) Tert butyl alcohol	5.18	59	8373	108.338	ug/l	100
12) 1,1-Dichloroethene	4.03	96	21643	19.115	ug/l	97
13) Acrolein	3.89	56	5315	72.114	ug/l	97
14) Allyl chloride	4.66	41	36499	19.283	ug/l	99
15) Acrylonitrile	5.36	53	25353	99.538	ug/l	97
16) Acetone	4.12	43	27757	104.124	ug/l	99
17) Carbon Disulfide	4.37	76	61594	17.878	ug/l	99
18) Methyl Acetate	4.67	43	15456	21.705	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	35477	20.469	ug/l	100
20) Methylene Chloride	4.90	84	26080	18.876	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	24302	19.110	ug/l	86
22) Diisopropyl ether	6.32	45	72464	19.609	ug/l	97
23) Vinyl Acetate	6.25	43	201509	102.010	ug/l	98
24) 1,1-Dichloroethane	6.21	63	43905	19.512	ug/l	99
25) 2-Butanone	7.17	43	35565	104.165	ug/l	97
26) 2,2-Dichloropropane	7.16	77	28646	19.950	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	26502	19.235	ug/l	96
28) Bromochloromethane	7.51	49	17447	18.820	ug/l #	100
29) Tetrahydrofuran	7.52	42	21977	103.249	ug/l	98
30) Chloroform	7.67	83	44410	19.948	ug/l	99
31) Cyclohexane	7.95	56	40677	18.974	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	35470	18.984	ug/l	98
36) 1,1-Dichloropropene	8.07	75	35457	19.549	ug/l	99
37) Ethyl Acetate	7.25	43	15016	20.076	ug/l	98
38) Carbon Tetrachloride	8.07	117	33824	18.885	ug/l	93

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Instrument :
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Manual Integrations
 APPROVED

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 1/18/2019 2:10:09 PM

Quant Time: Jan 18 01:29:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	41243	19.117	ug/l	96
40) Benzene	8.32	78	99676	19.401	ug/l	100
41) Methacrylonitrile	7.48	41	8944	20.542	ug/l	94
42) 1,2-Dichloroethane	8.40	62	29103	20.257	ug/l	97
43) Isopropyl Acetate	8.42	43	29760	21.064	ug/l	98
44) Trichloroethene	9.09	130	26614	18.907	ug/l	91
45) 1,2-Dichloropropane	9.37	63	24433	19.145	ug/l	98
46) Dibromomethane	9.46	93	13271	19.952	ug/l	97
47) Bromodichloromethane	9.64	83	31929	19.461	ug/l	97
48) Methyl methacrylate	9.43	41	14883	22.377	ug/l	92
49) 1,4-Dioxane	9.45	88	4178	390.189	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	73988	103.423	ug/l	98
52) Toluene	10.39	92	64145	19.728	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	31963	19.519	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	37876	19.621	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	18743	20.316	ug/l	98
56) Ethyl methacrylate	10.65	69	21785	20.107	ug/l	99
57) 1,3-Dichloropropane	10.93	76	32391	20.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	55915	106.990	ug/l	98
59) 2-Hexanone	10.97	43	53861	107.454	ug/l	98
60) Dibromochloromethane	11.13	129	21374	19.412	ug/l	97
61) 1,2-Dibromoethane	11.23	107	18045	20.199	ug/l	100
64) Tetrachloroethene	10.86	164	22730	19.378	ug/l	97
65) Chlorobenzene	11.66	112	71463	19.585	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	24025	19.130	ug/l	98
67) Ethyl Benzene	11.73	91	121166	19.124	ug/l	100
68) m/p-Xylenes	11.84	106	94265	38.332	ug/l	96
69) o-Xylene	12.17	106	45106	19.632	ug/l	99
70) Styrene	12.18	104	74687	20.238	ug/l	99
71) Bromoform	12.35	173	12572	20.095	ug/l #	96
73) Isopropylbenzene	12.47	105	122996	19.768	ug/l	98
74) N-amyl acetate	12.27	43	26264	19.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	21892	20.686	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	16048m	20.637	ug/l	
77) Bromobenzene	12.75	156	28047	18.767	ug/l	95
78) n-propylbenzene	12.80	91	147406	19.573	ug/l	100
79) 2-Chlorotoluene	12.90	91	83836	19.484	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	102360	19.715	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	6567	20.153	ug/l	98
82) 4-Chlorotoluene	12.99	91	88458	19.673	ug/l	99
83) tert-Butylbenzene	13.21	119	90062	19.708	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	102125	19.308	ug/l	100
85) sec-Butylbenzene	13.38	105	125823	19.177	ug/l	99
86) p-Isopropyltoluene	13.50	119	111986	19.542	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	58001	19.533	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	57291	19.258	ug/l	97
89) n-Butylbenzene	13.83	91	108992	19.828	ug/l	99
90) Hexachloroethane	14.10	117	19889	18.754	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	52255	19.932	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3542	20.468	ug/l	98

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ClientSampleId :
VW0117SBSD01

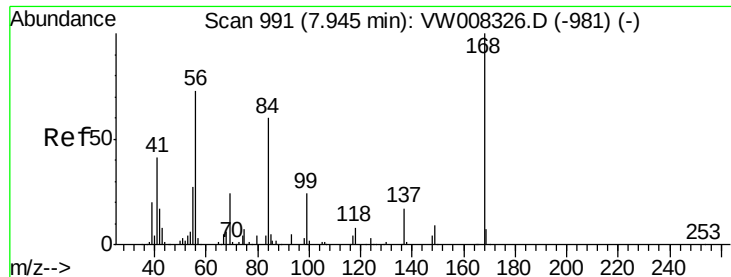
Manual Integrations
APPROVED

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1/18/2019 2:10:09 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	34268	19.309	ug/l	100
94) Hexachlorobutadiene	15.24	225	18937	18.933	ug/l	98
95) Naphthalene	15.38	128	62047	20.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	29606	19.152	ug/l	97

(#) = 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: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion:168 Resp: 110347

Ion Ratio Lower Upper

168 100

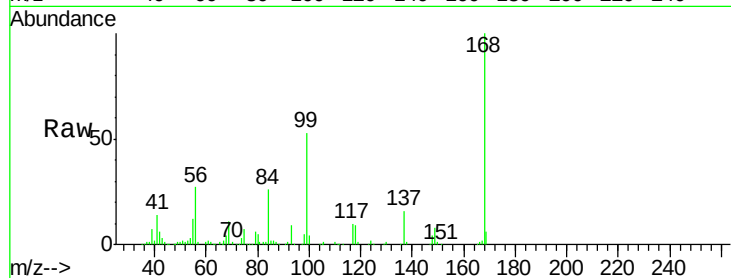
99 53.4 44.6 66.8

Manual Integrations

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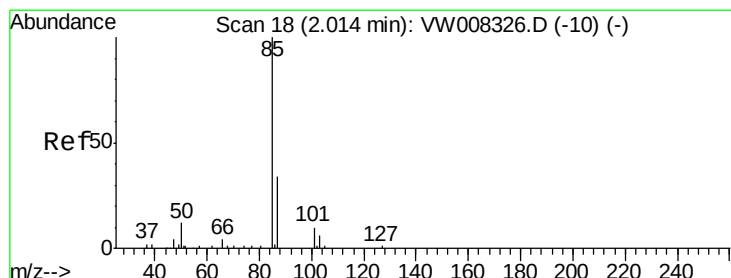
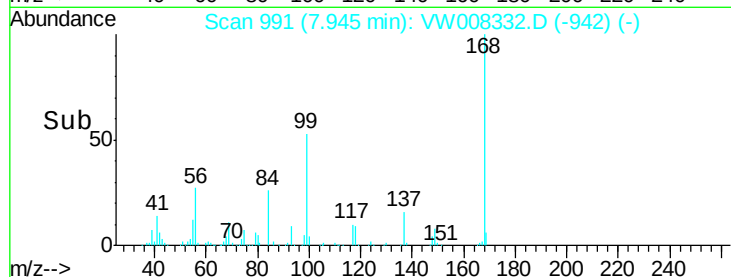
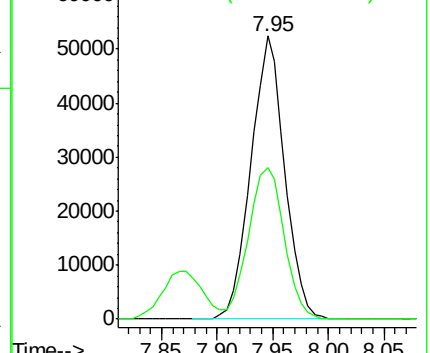
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.039 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008332.D

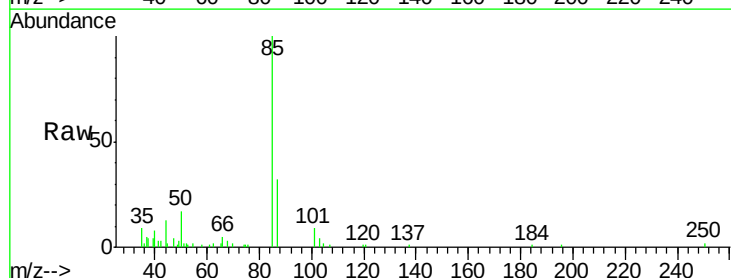
Acq: 17 Jan 2019 17:05

Tgt Ion: 85 Resp: 13933

Ion Ratio Lower Upper

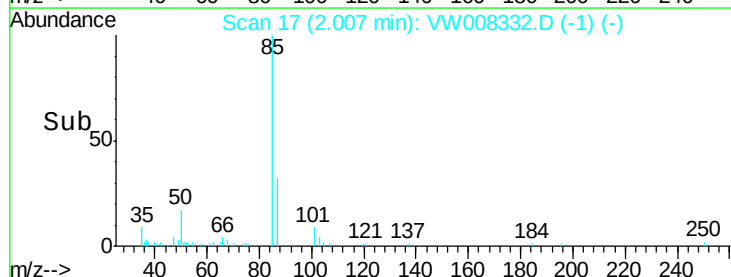
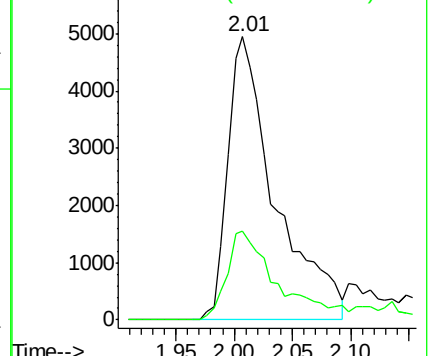
85 100

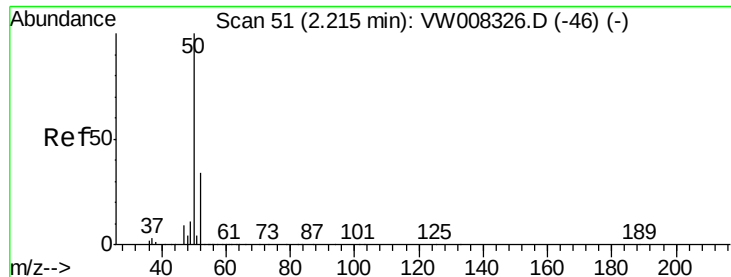
87 31.5 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.638 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBSD01

Tot Ion: 50 Resp: 18996

Ion Ratio Lower Upper

50 100

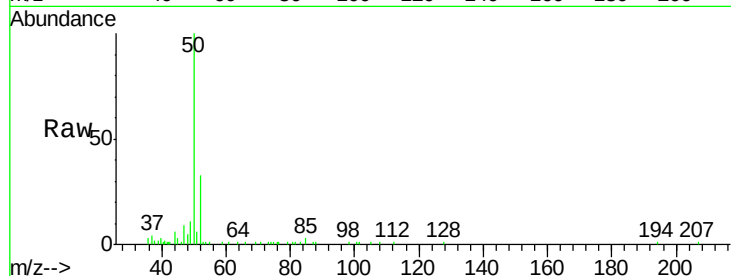
52 32.6 26.7 40.1

Manual Integrations

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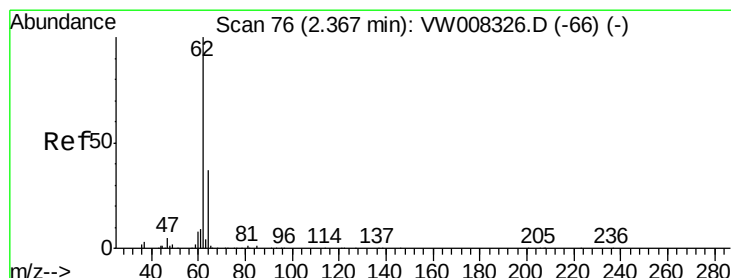
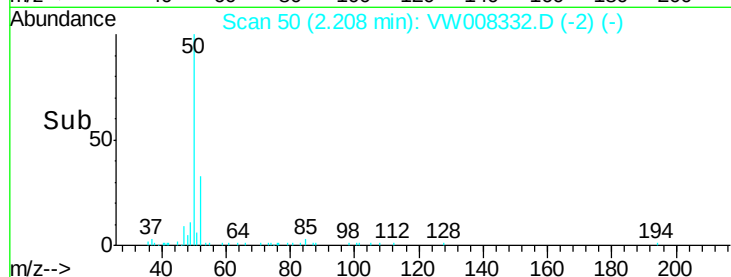
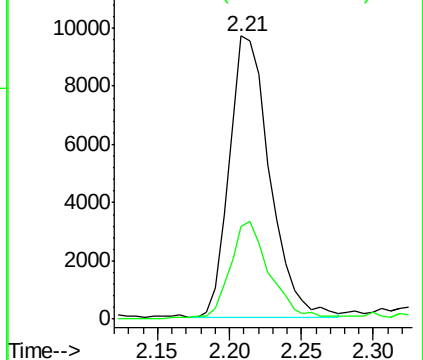
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 19.873 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008332.D

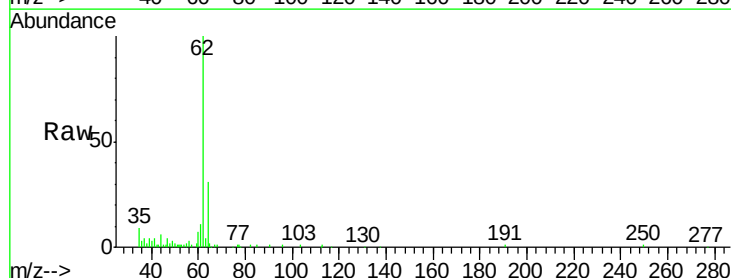
Acq: 17 Jan 2019 17:05

Tgt Ion: 62 Resp: 25880

Ion Ratio Lower Upper

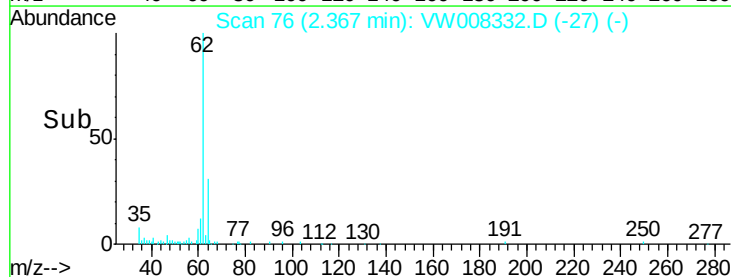
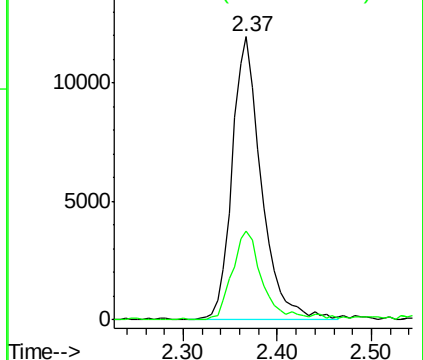
62 100

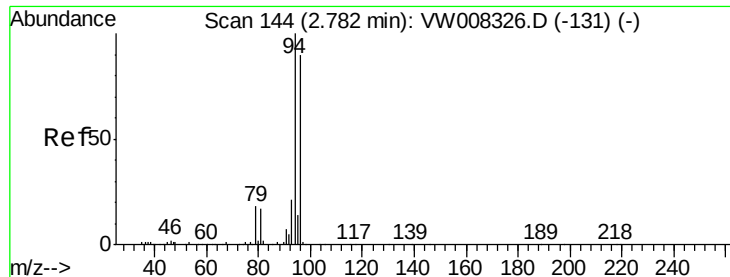
64 31.3 29.4 44.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.467 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 94 Resp: 19212

Ion Ratio Lower Upper

94 100

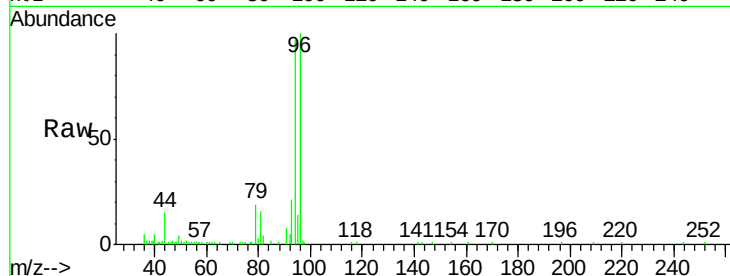
96 103.1 71.4 107.0

Manual Integrations

APPROVED

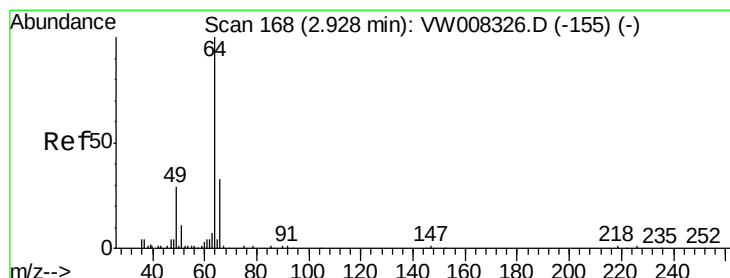
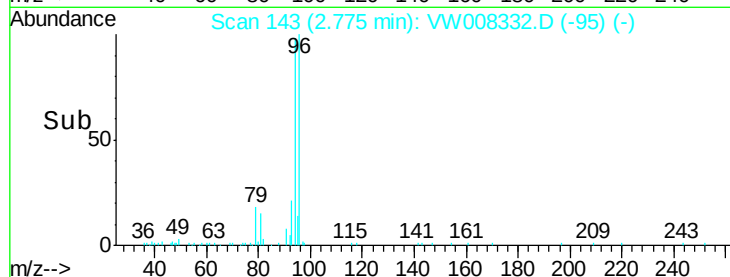
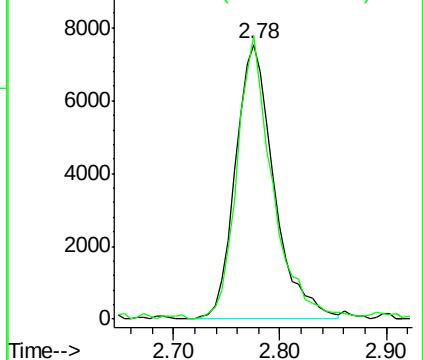
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.943 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008332.D

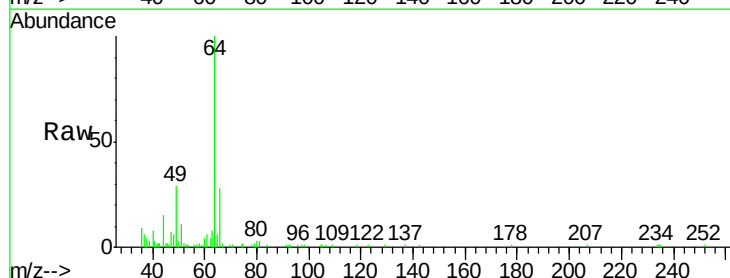
Acq: 17 Jan 2019 17:05

Tgt Ion: 64 Resp: 16999

Ion Ratio Lower Upper

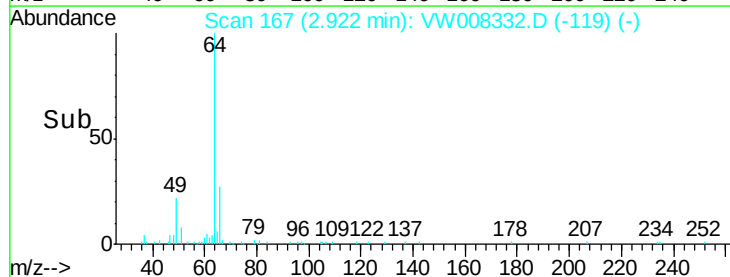
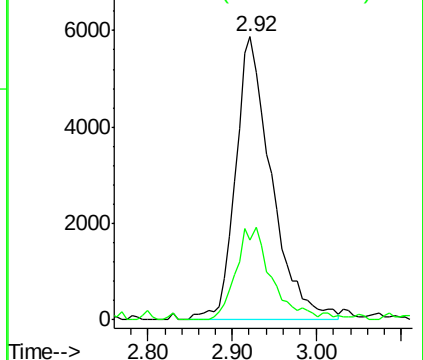
64 100

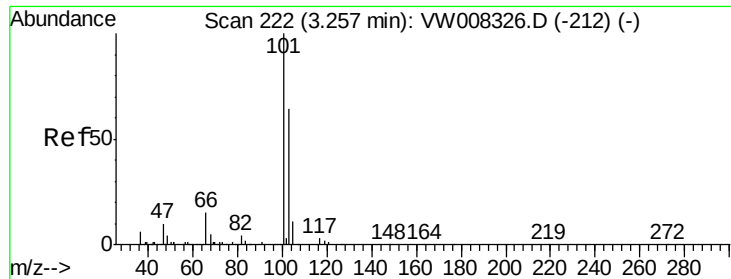
66 28.0 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

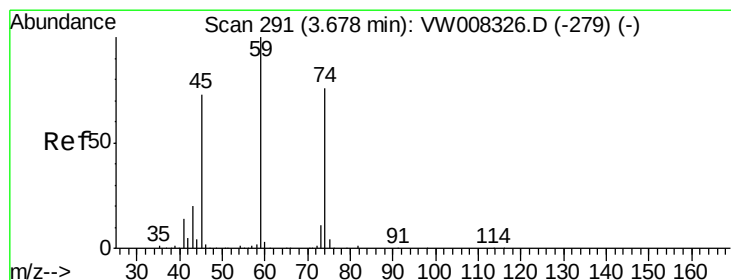
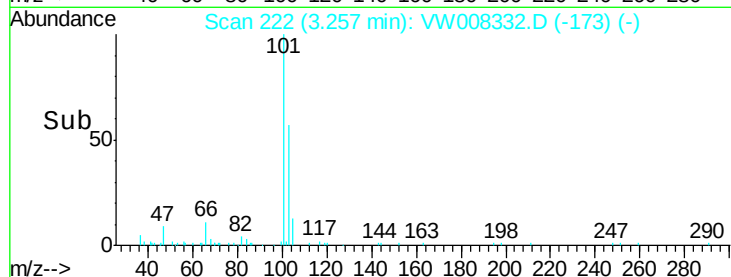
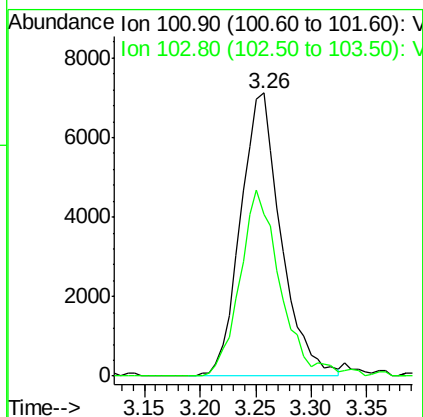
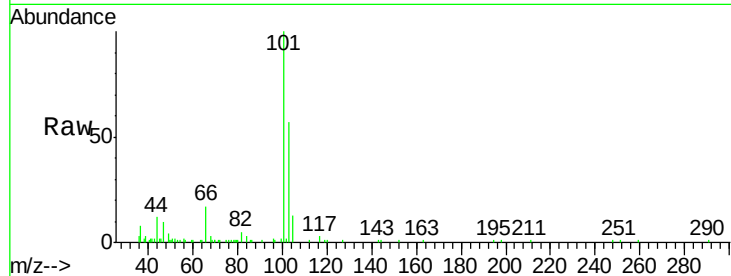
Trichlorofluoromethane
 Concen: 18.791 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Instrument :
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 VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.3	50.9	76.3

Manual Integrations
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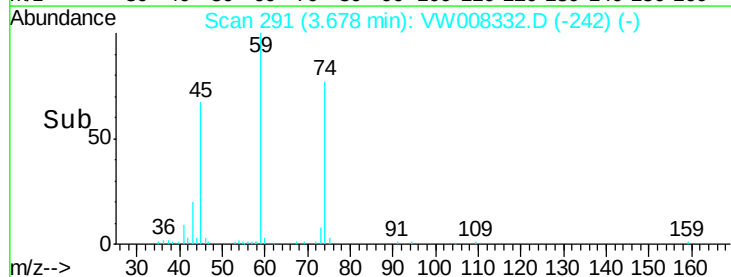
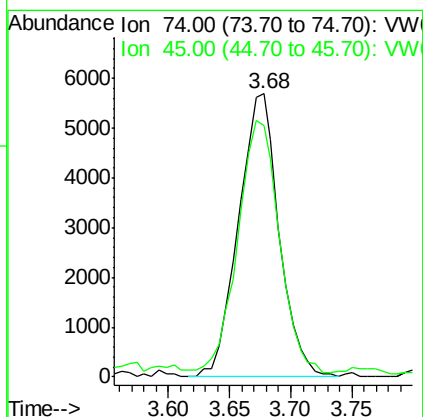
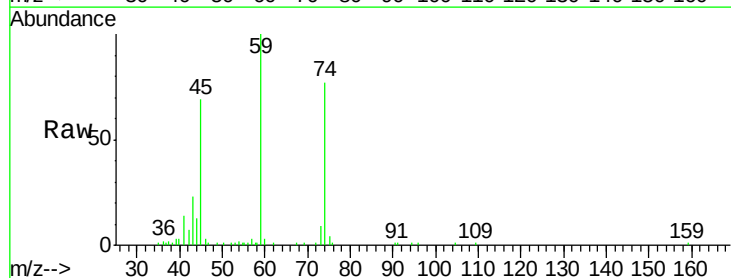
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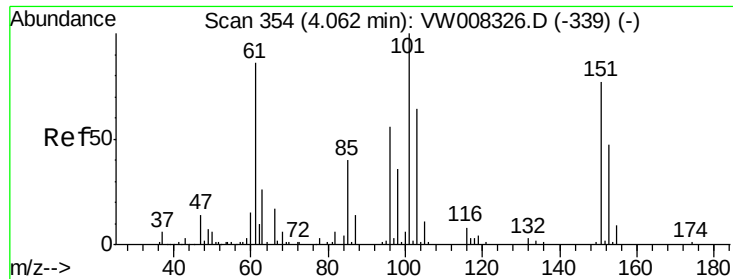


#8

Diethyl Ether
 Concen: 19.781 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	50.1	150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.663 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

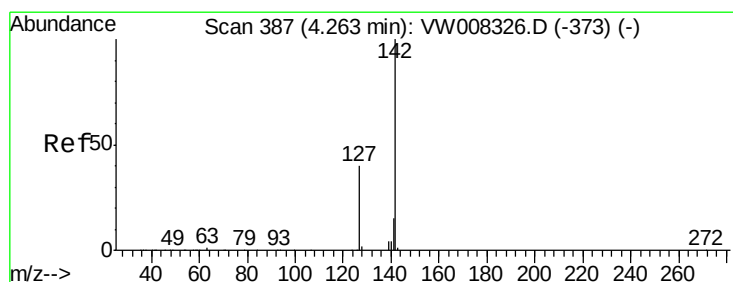
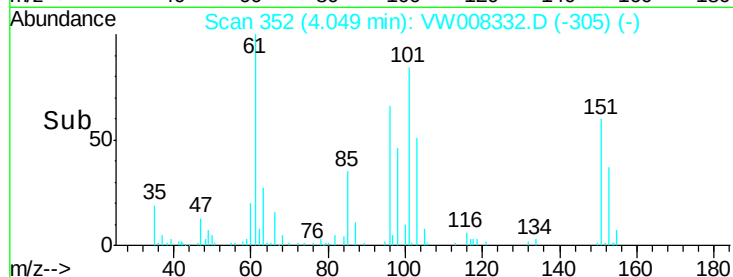
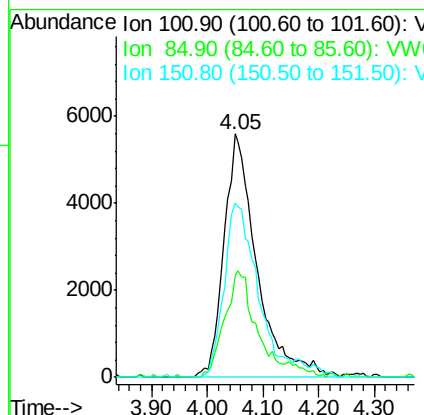
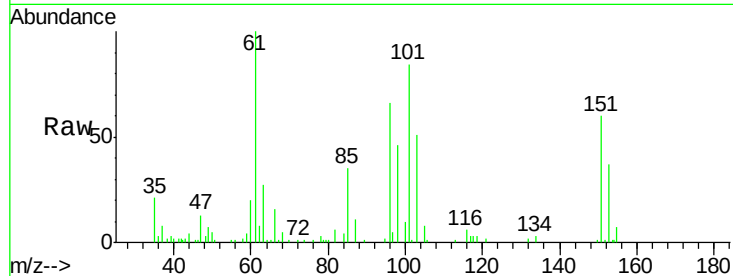
ClientSampled :

VW0117SBS01

Tot Ion:	101	Resp:	23003
Ion Ratio	Lower	Upper	
101	100		
85	40.8	36.0	54.0
151	71.9	62.3	93.5

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#10

Methyl Iodide

Concen: 18.447 ug/l

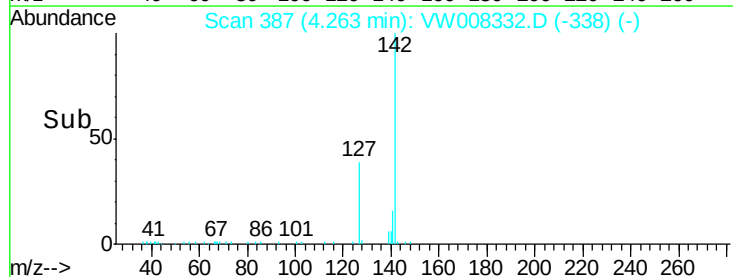
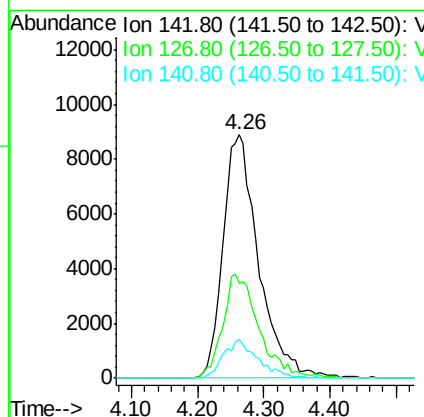
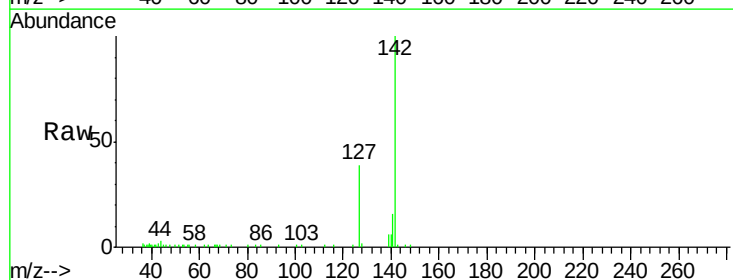
RT: 4.26 min Scan# 387

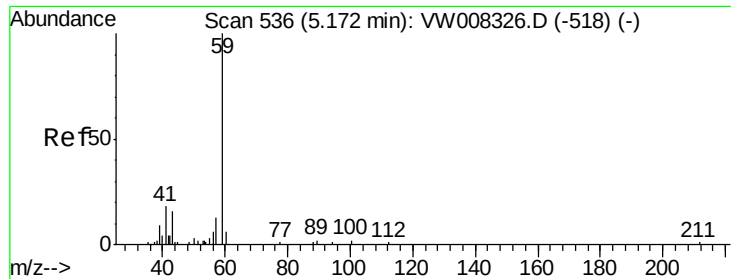
Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion:	142	Resp:	33121
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.3	51.5
141	15.4	12.2	18.2





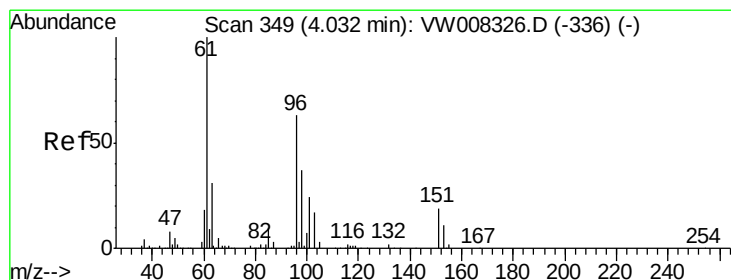
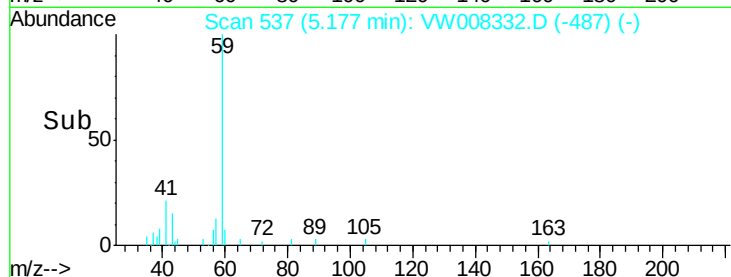
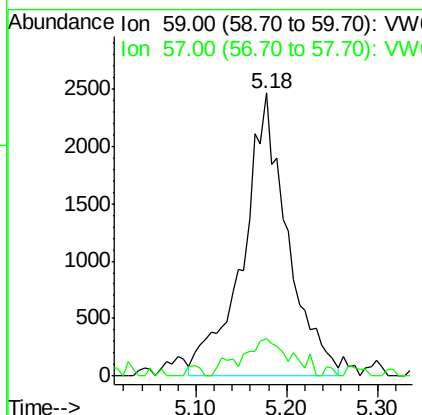
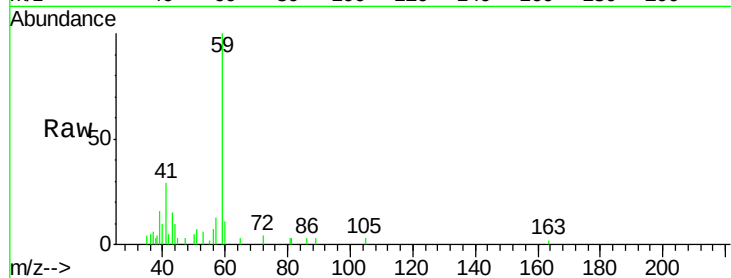
#11
Tert butyl alcohol
Concen: 108.338 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.4	14.2

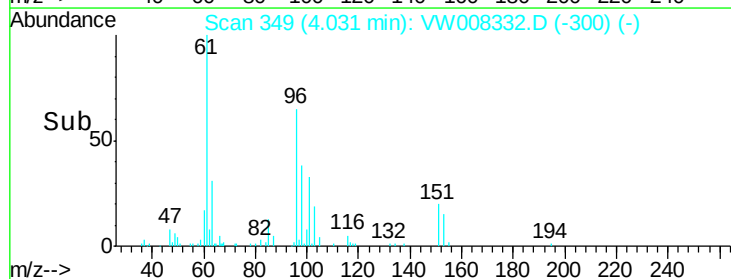
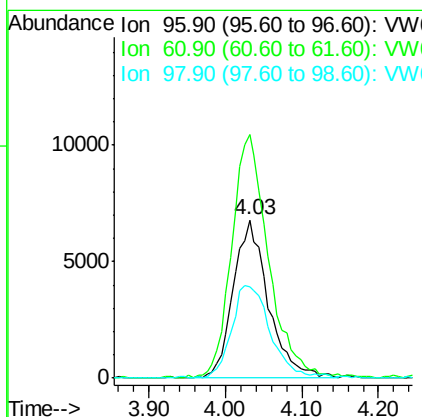
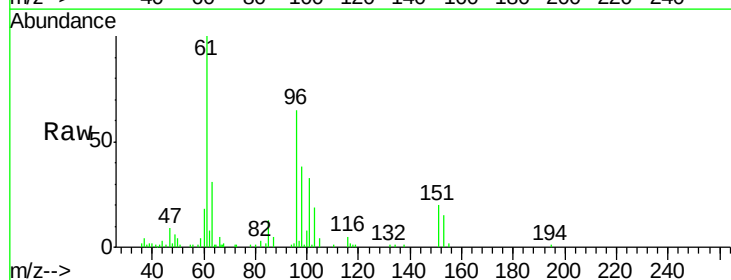
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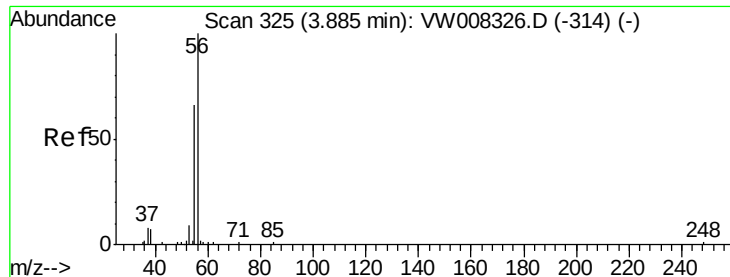
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.115 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	126.4	189.6
98	57.9	46.7	70.1





#13

Acrolein

Concen: 72.114 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBSD01

Tot Ion: 56 Resp: 5315

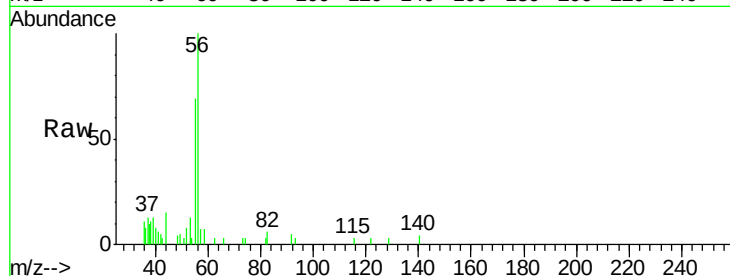
Ion Ratio Lower Upper

56 100

55 68.4 52.9 79.3

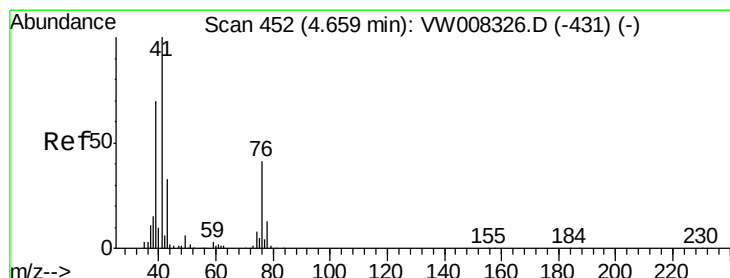
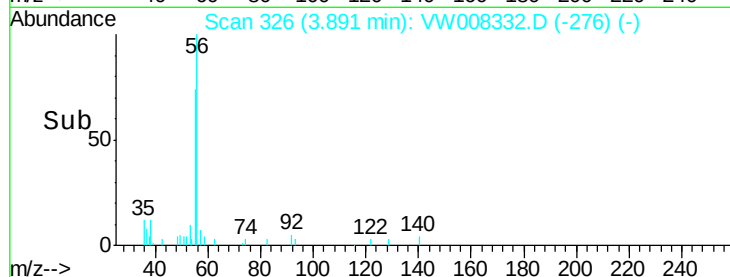
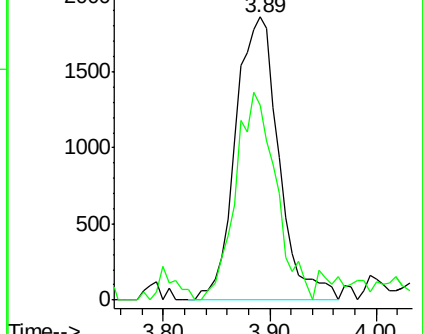
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.283 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

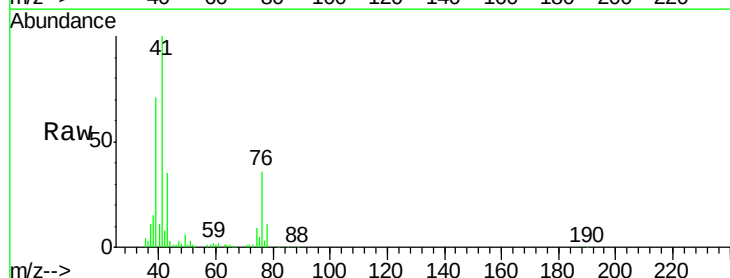
Tgt Ion: 41 Resp: 36499

Ion Ratio Lower Upper

41 100

39 66.5 54.1 81.1

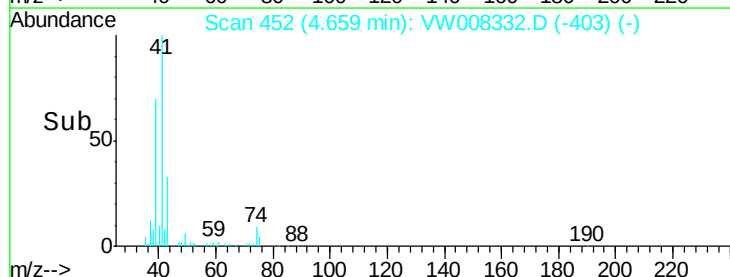
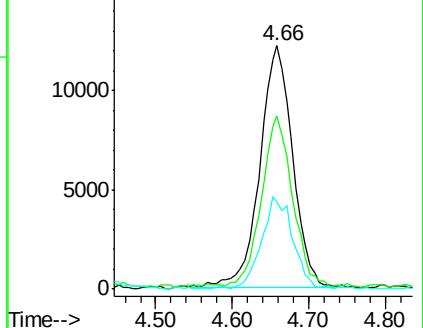
76 36.5 29.5 44.3

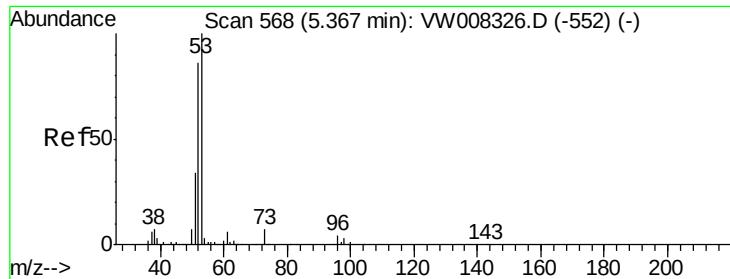


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.538 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

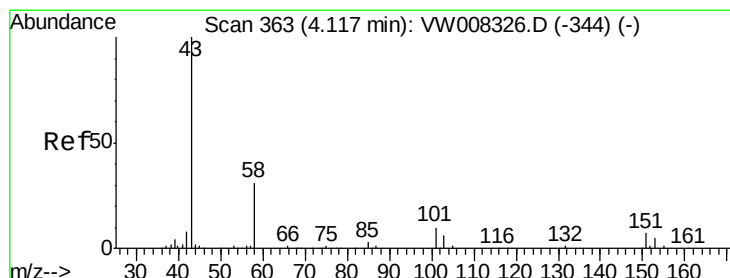
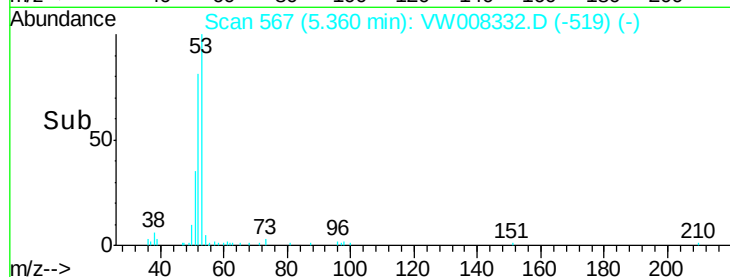
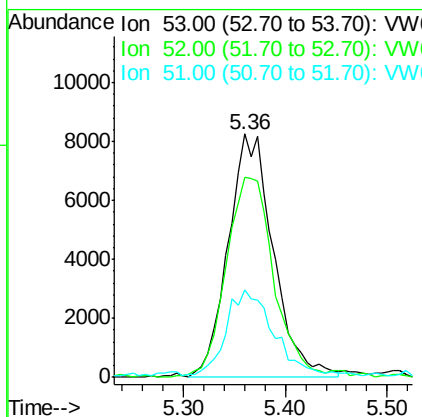
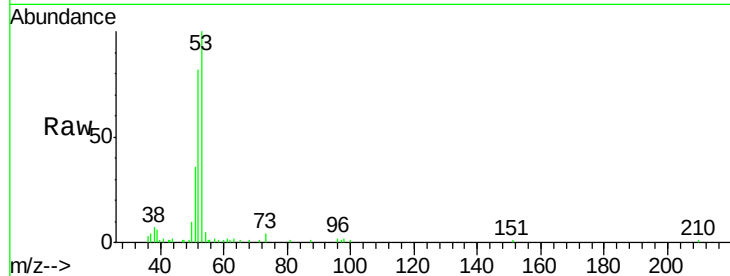
ClientSampleId :

VW0117SBS01

Tot Ion:	53	Resp:	25353
Ion Ratio	Lower	Upper	
53	100		
52	86.5	66.4	99.6
51	37.4	29.6	44.4

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#16

Acetone

Concen: 104.124 ug/l

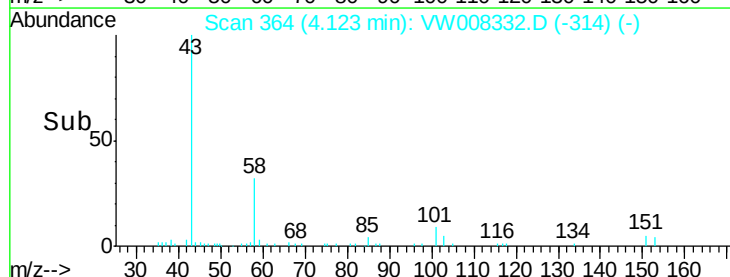
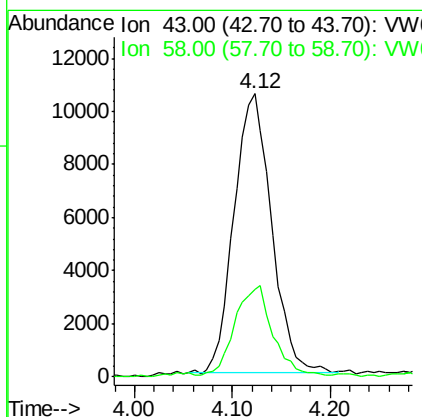
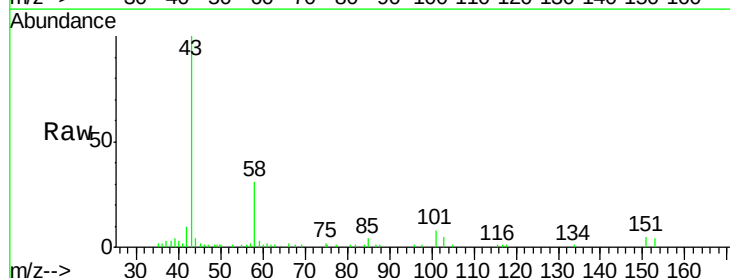
RT: 4.12 min Scan# 364

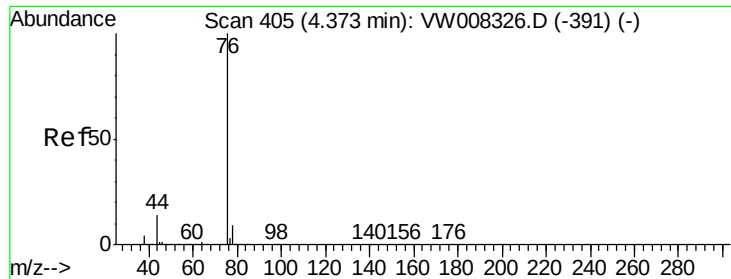
Delta R.T. 0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion:	43	Resp:	27757
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.7	37.1





#17

Carbon Disulfide

Concen: 17.878 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBSD01

Tot Ion: 76 Resp: 61594

Ion Ratio Lower Upper

76 100

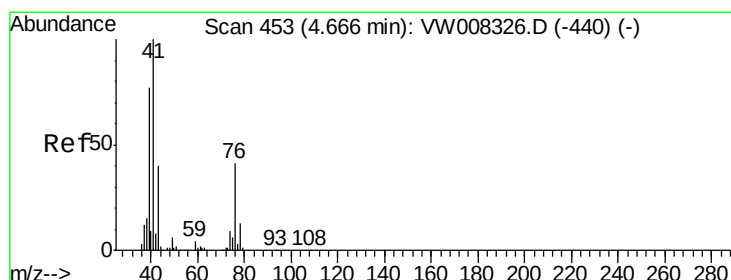
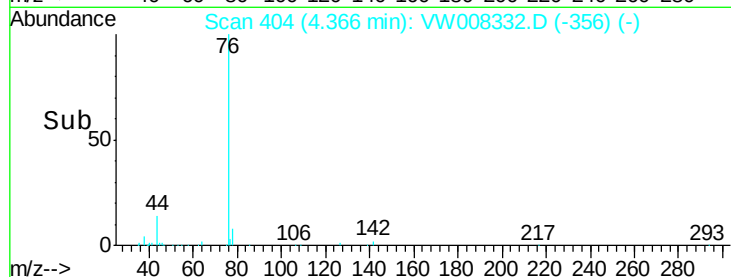
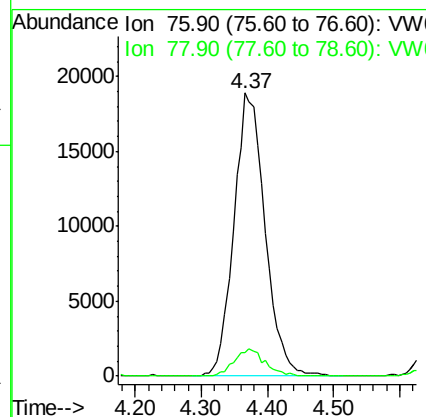
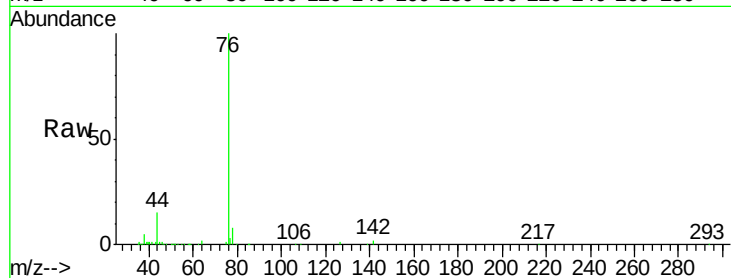
78 8.2 7.0 10.4

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#18

Methyl Acetate

Concen: 21.705 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008332.D

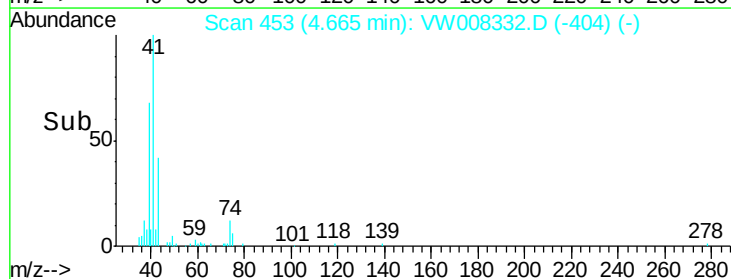
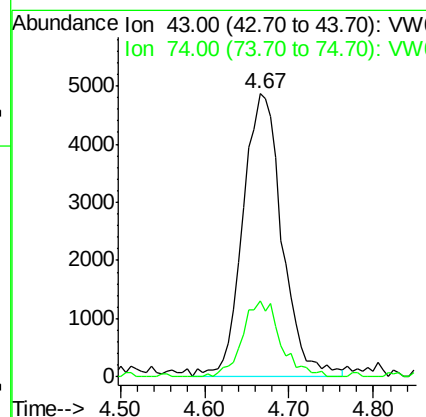
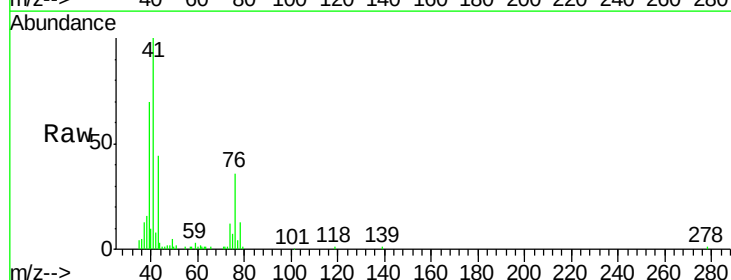
Acq: 17 Jan 2019 17:05

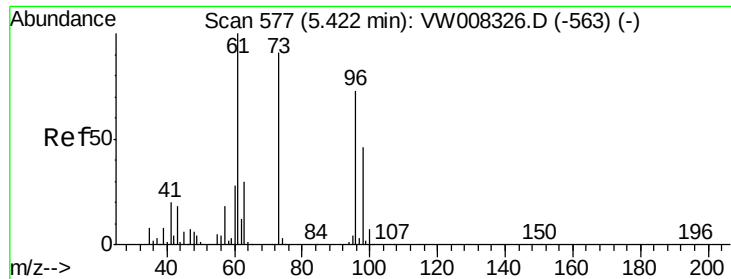
Tgt Ion: 43 Resp: 15456

Ion Ratio Lower Upper

43 100

74 25.8 19.4 29.0





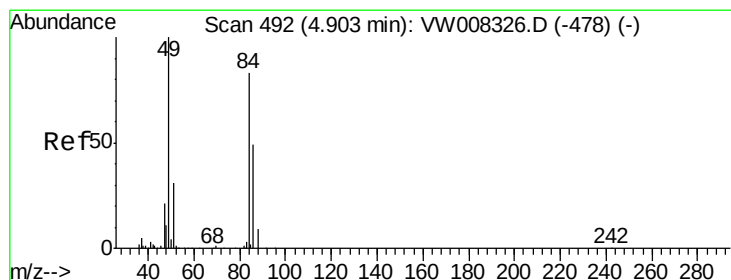
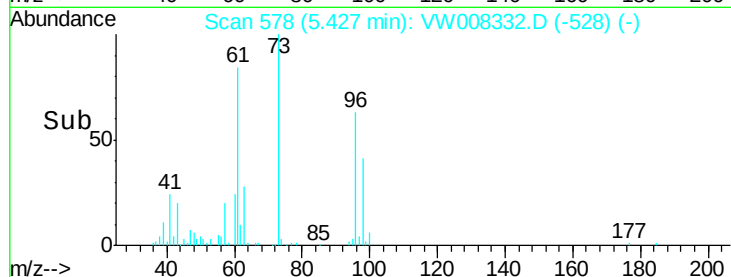
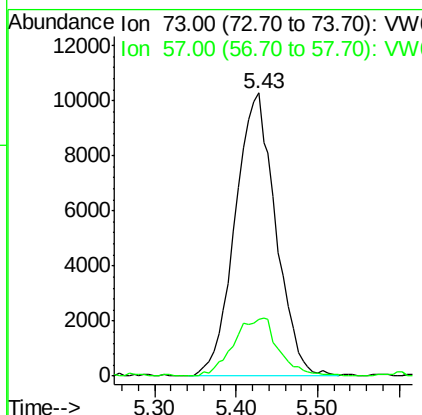
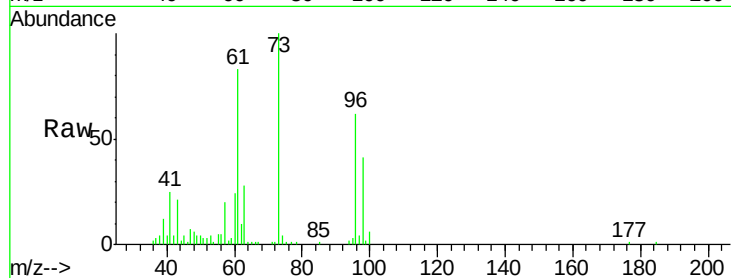
#19
Methyl tert-butyl Ether
Concen: 20.469 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	16.3	24.5

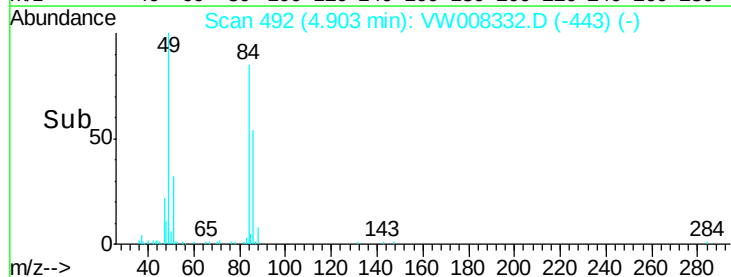
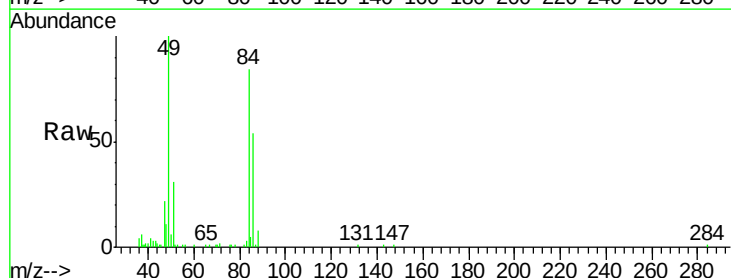
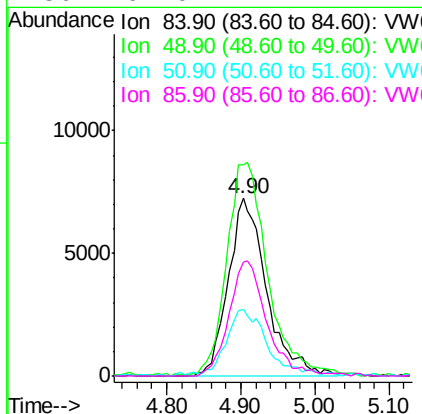
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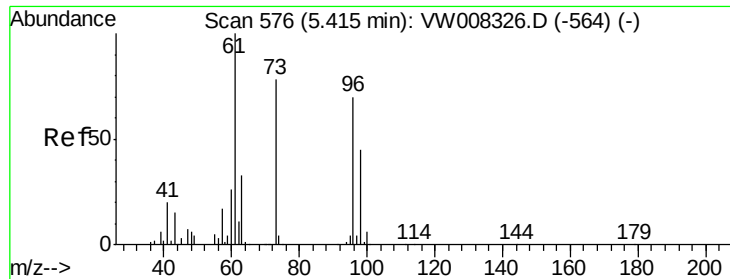
MMDadoda
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#20
Methylene Chloride
Concen: 18.876 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.1	95.9	143.9
51	36.1	29.3	43.9
86	64.0	47.4	71.2





#21

trans-1,2-Dichloroethene

Concen: 19.110 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

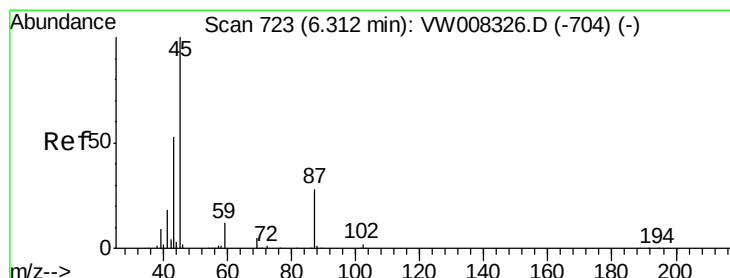
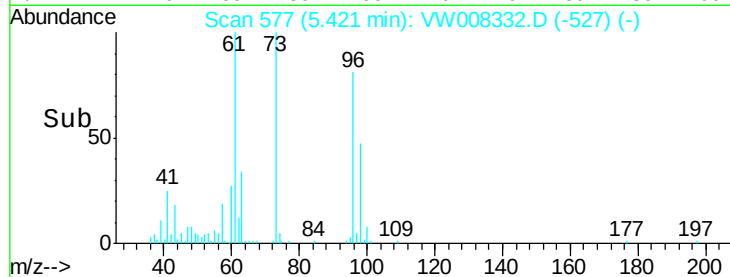
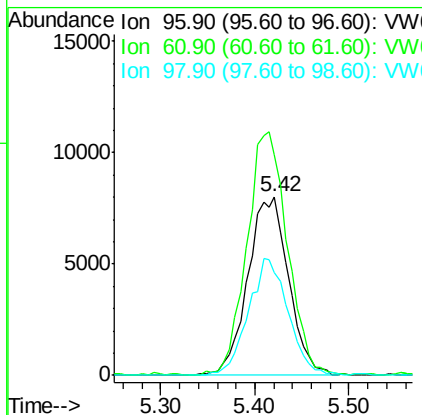
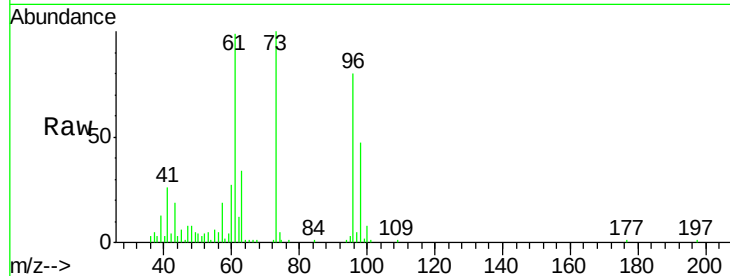
ClientSampleId :

VW0117SBSD01

Tot Ion:	96	Resp:	24302
Ion	Ratio	Lower	Upper
96	100		
61	123.4	114.5	171.7
98	57.9	52.0	78.0

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#22

Diisopropyl ether

Concen: 19.609 ug/l

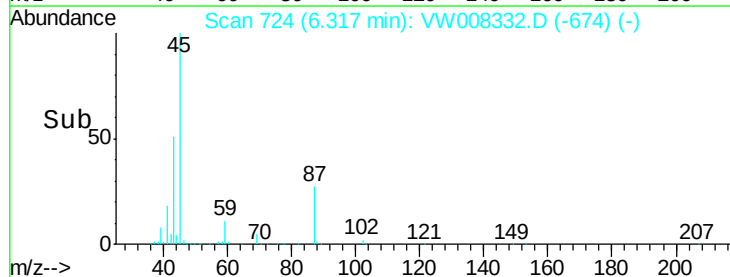
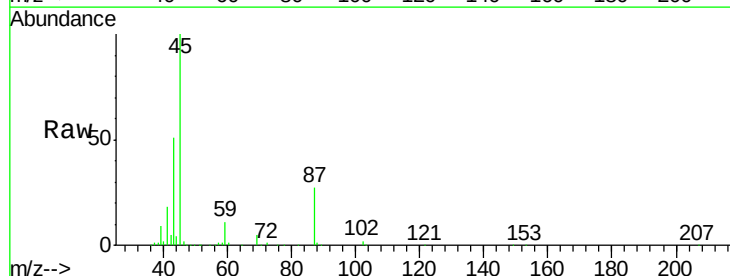
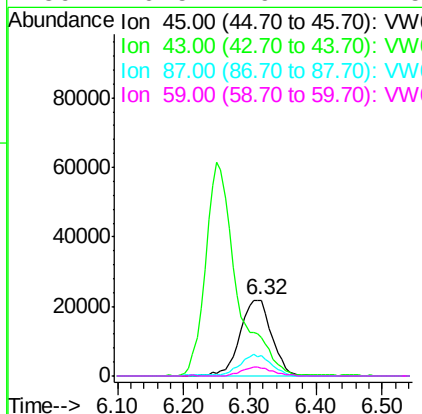
RT: 6.32 min Scan# 724

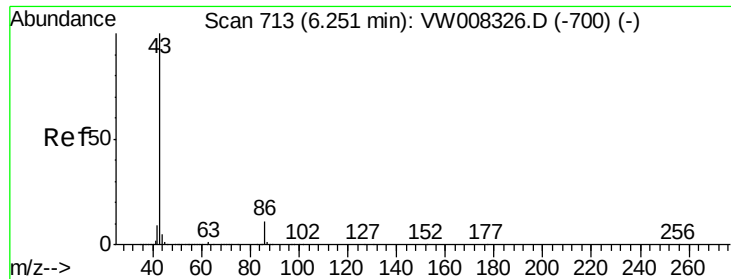
Delta R.T. 0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion:	45	Resp:	72464
Ion	Ratio	Lower	Upper
45	100		
43	50.5	42.5	63.7
87	27.1	22.2	33.2
59	10.5	9.7	14.5





#23

Vinyl Acetate

Concen: 102.010 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBSD01

Tot Ion: 43 Resp: 201509

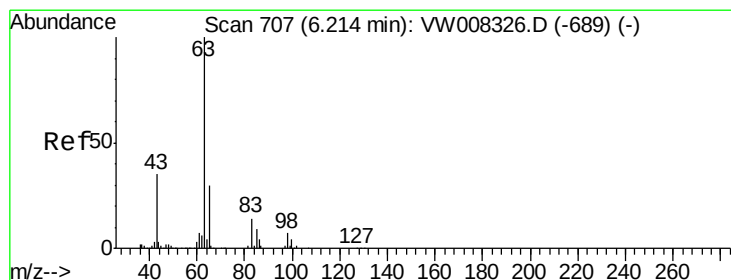
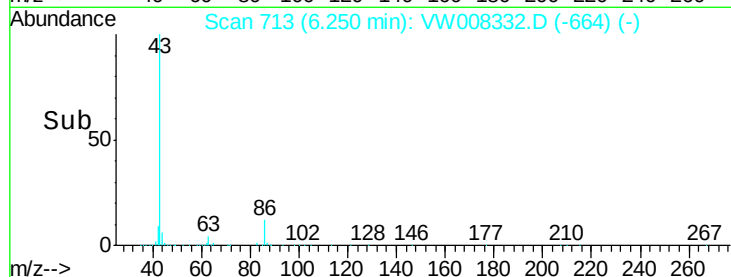
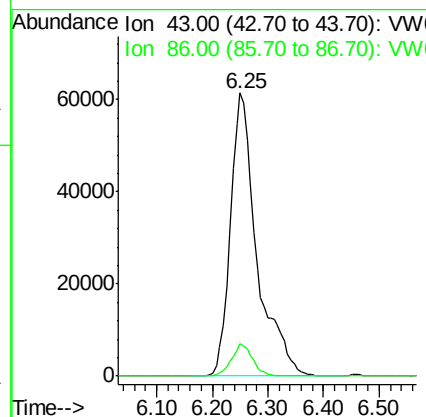
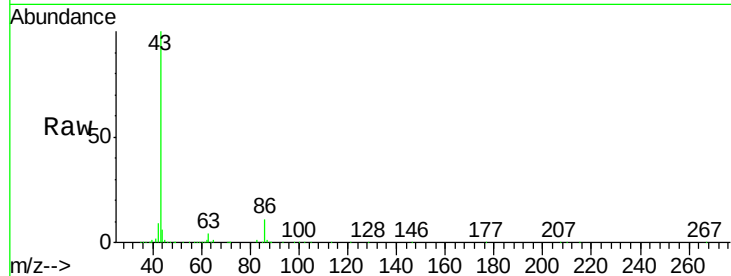
Ion Ratio Lower Upper

43 100

86 11.5 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 19.512 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

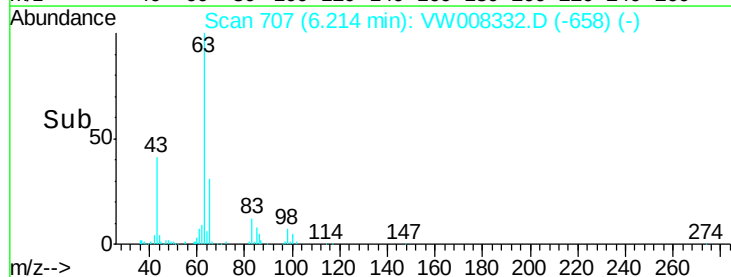
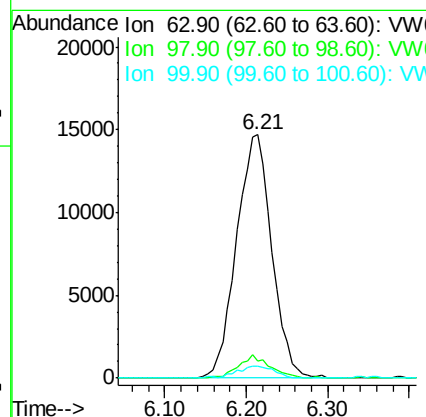
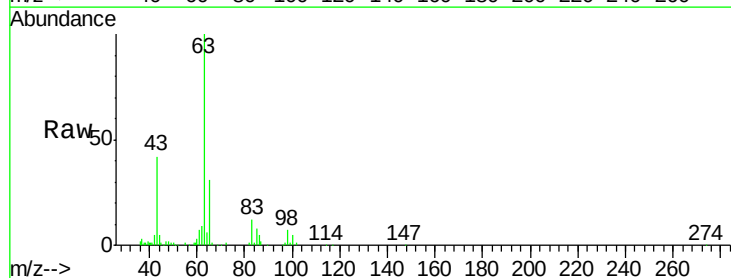
Tgt Ion: 63 Resp: 43905

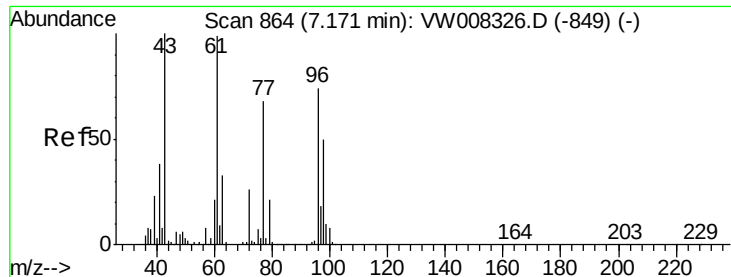
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.7 2.1 6.3





#25

2-Butanone

Concen: 104.165 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBSD01

Tot Ion: 43 Resp: 35565

Ion Ratio Lower Upper

43 100

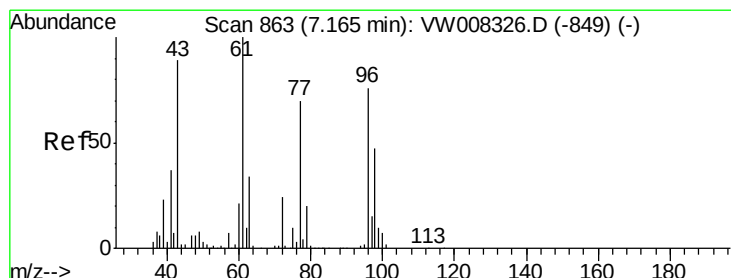
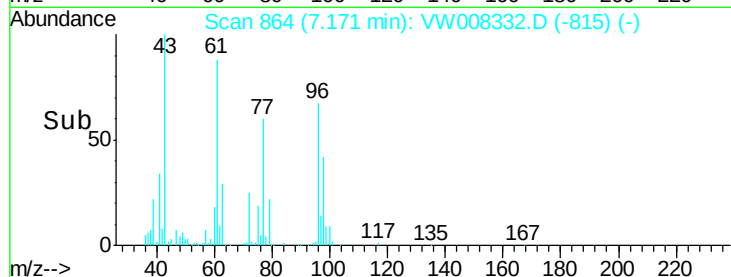
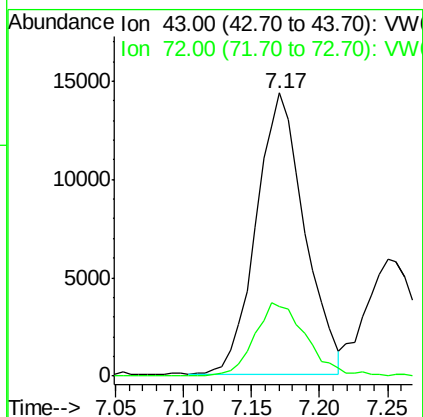
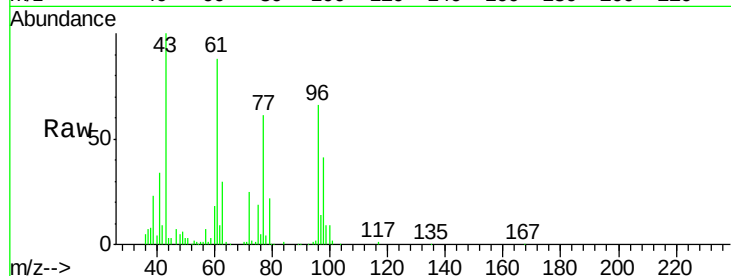
72 24.9 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 19.950 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008332.D

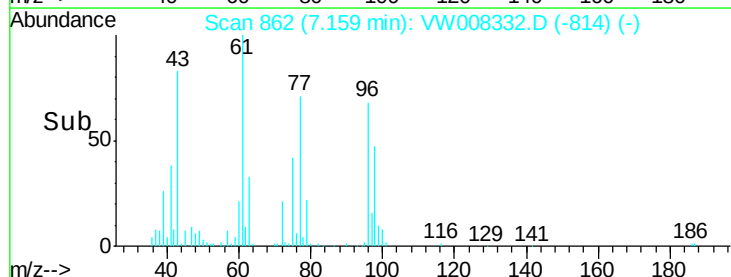
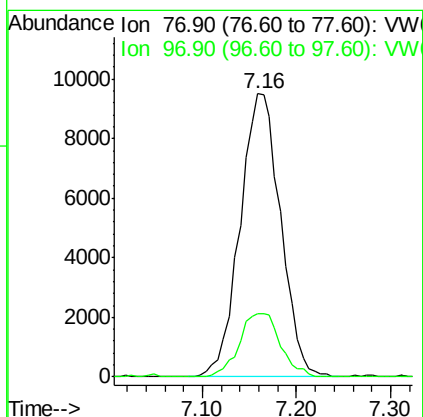
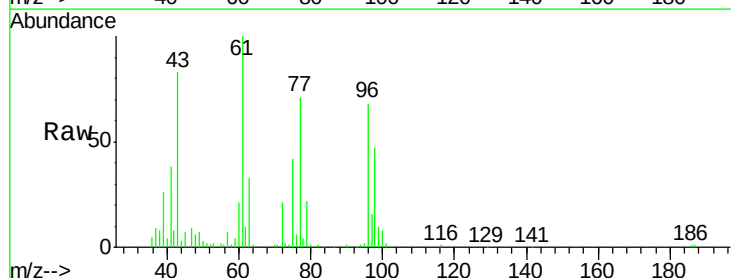
Acq: 17 Jan 2019 17:05

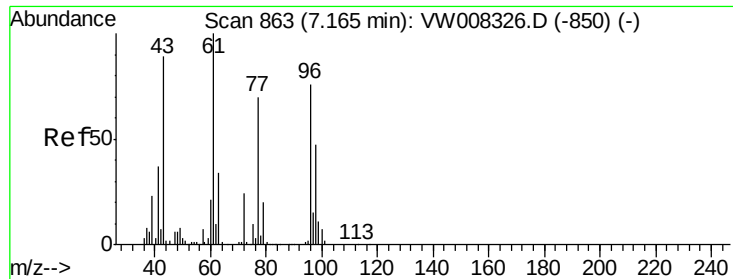
Tgt Ion: 77 Resp: 28646

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.1





#27

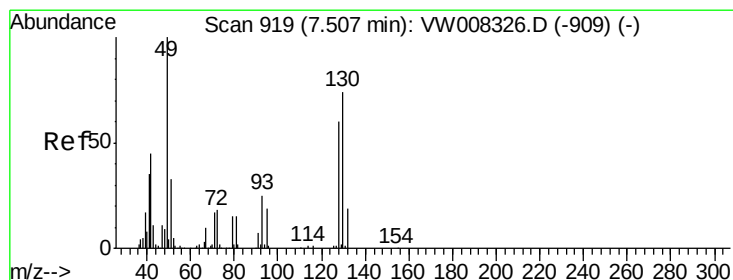
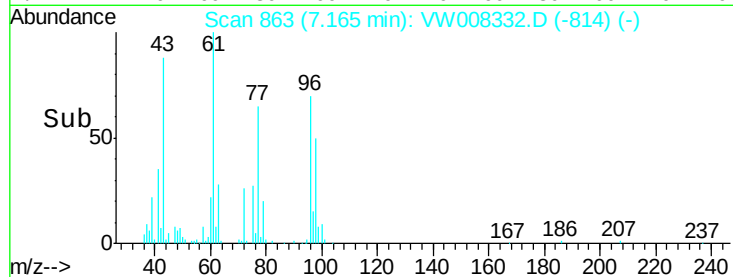
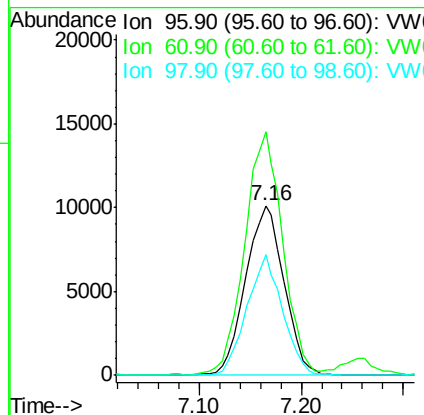
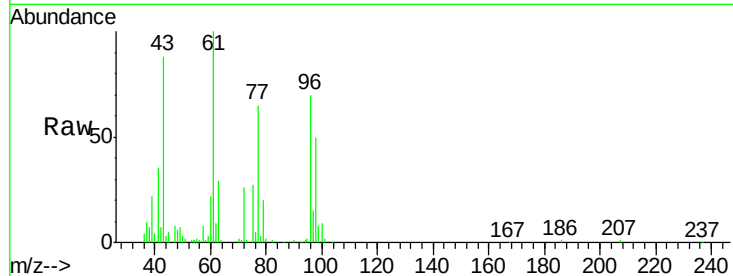
cis-1,2-Dichloroethene
Concen: 19.235 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	272.2
98	66.3	0.0	129.4

Manual Integrations
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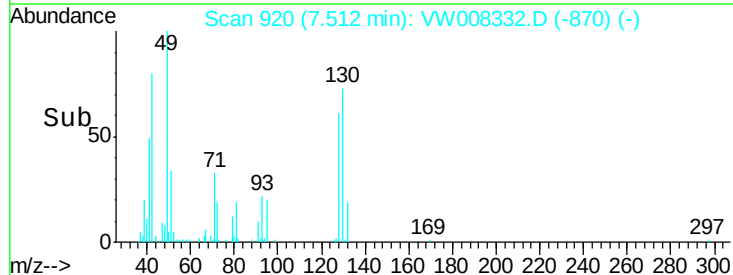
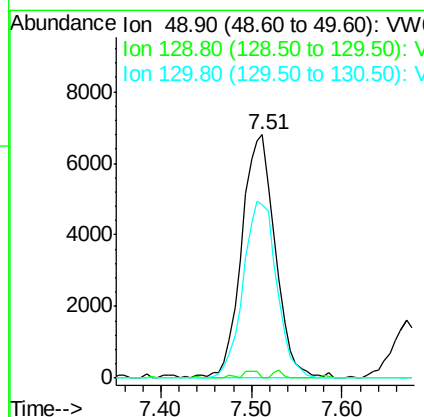
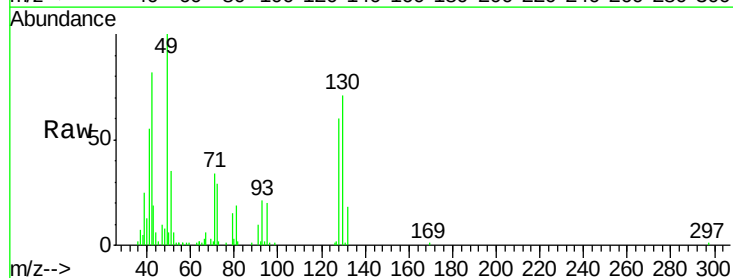
MMDadoda
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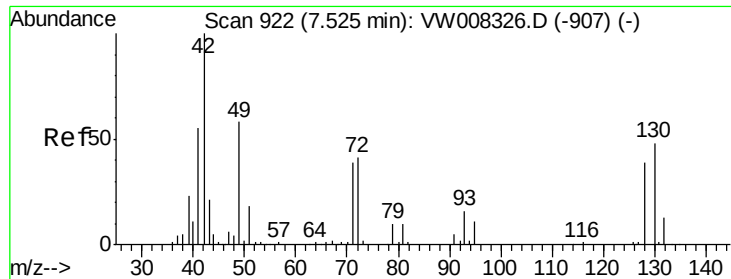


#28

Bromochloromethane
Concen: 18.820 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.6
130	72.6	0.0	0.0#





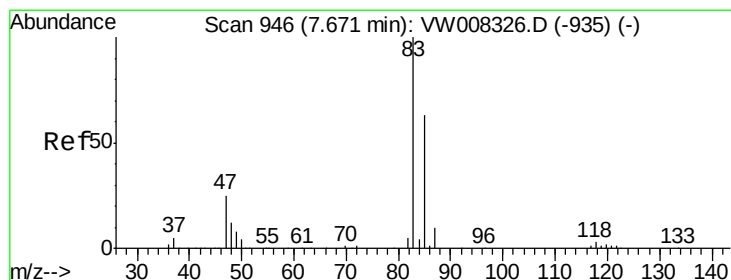
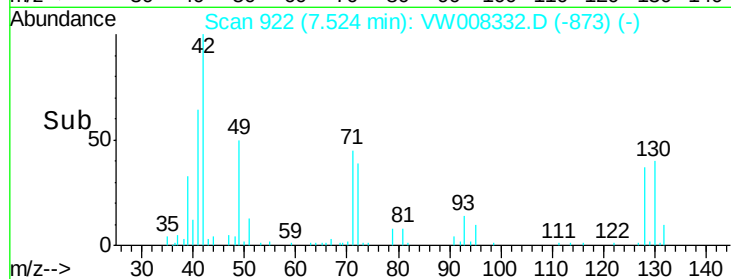
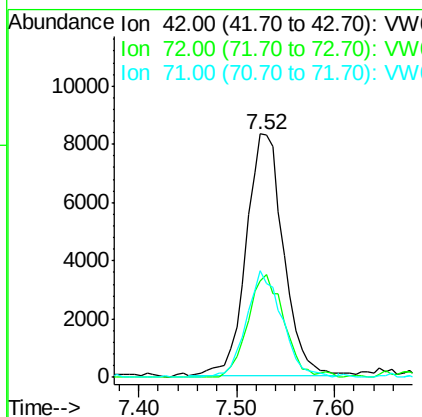
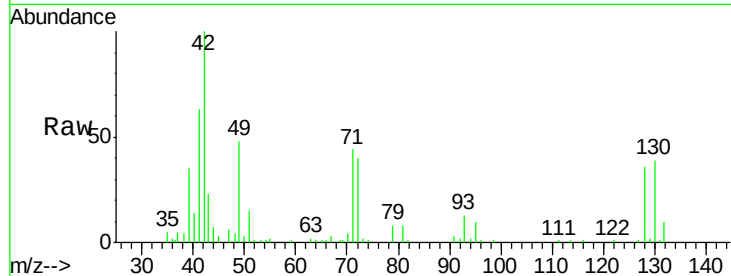
#29
Tetrahydrofuran
Concen: 103.249 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.0	51.0
71	42.4	32.0	48.0

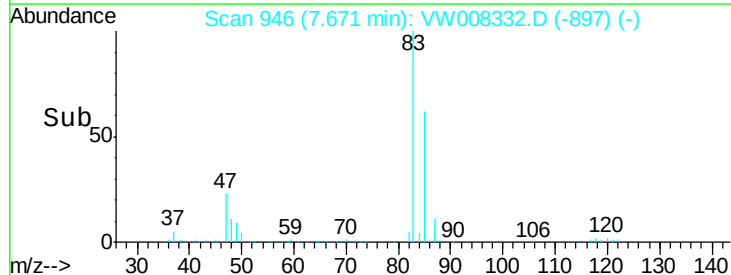
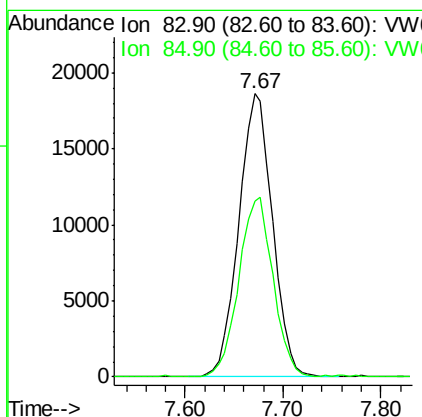
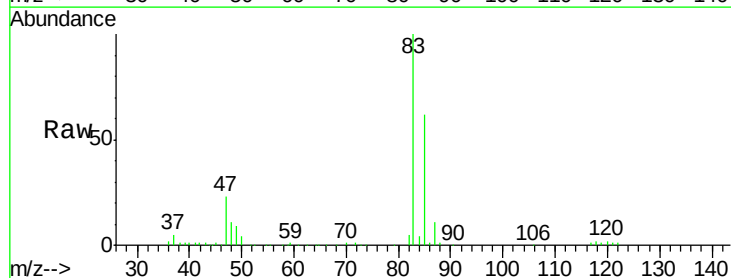
Manual Integrations
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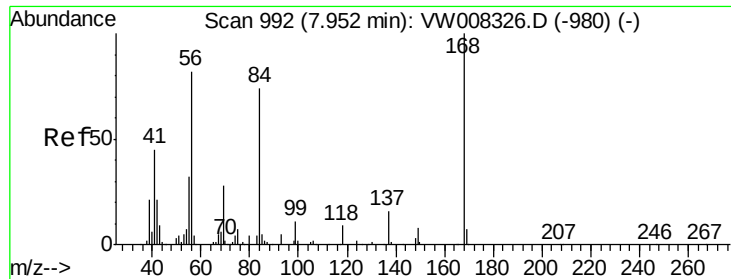
MMDadoda
1/18/2019 2:10:09 PM



#30
Chloroform
Concen: 19.948 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.2	75.2





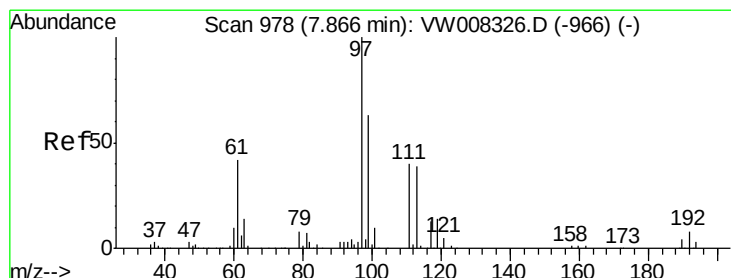
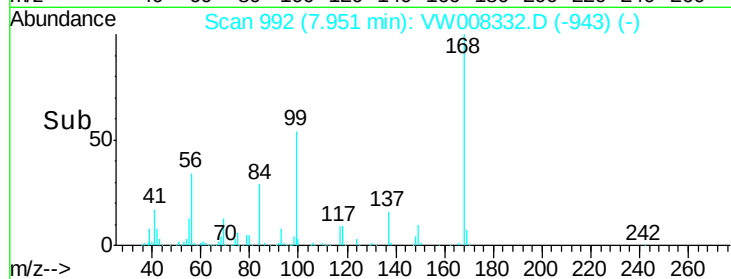
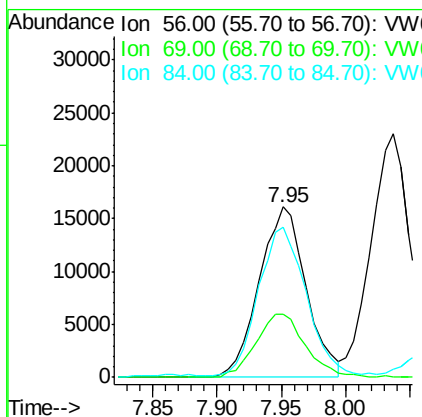
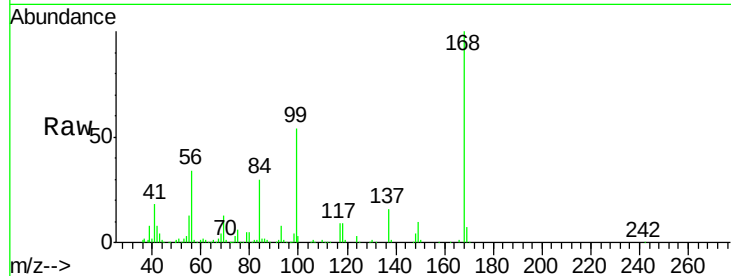
#31
Cyclohexane
Concen: 18.974 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	27.0	40.6
84	86.5	72.5	108.7

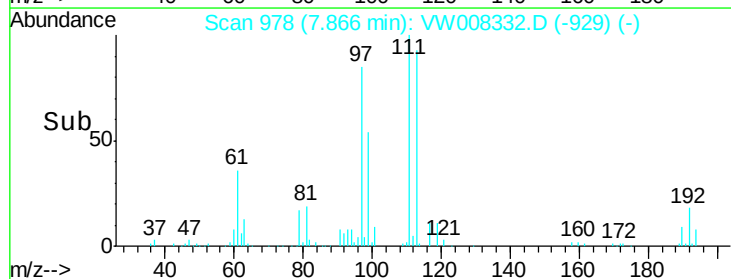
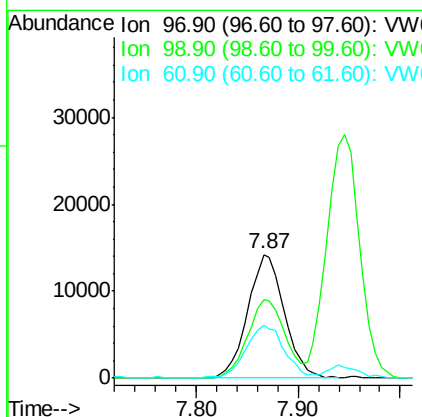
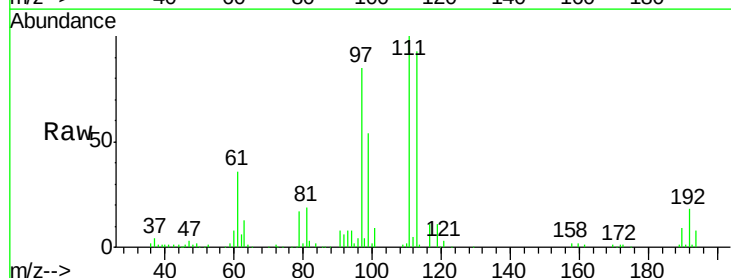
Manual Integrations
APPROVED

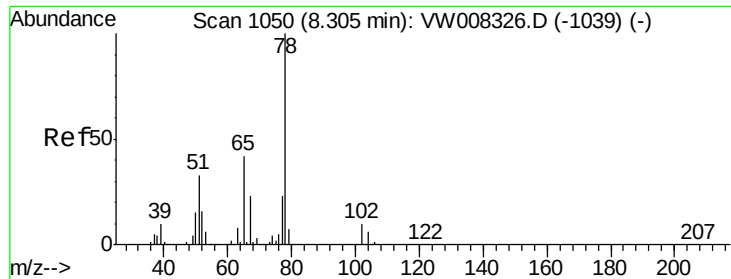
MMDadoda
1/18/2019 2:10:09 PM



#32
1,1,1-Trichloroethane
Concen: 18.984 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	45.3	34.0	51.0





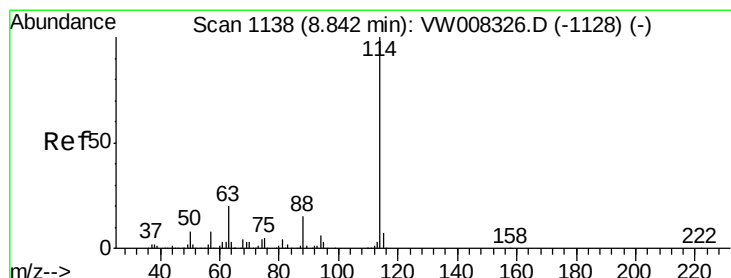
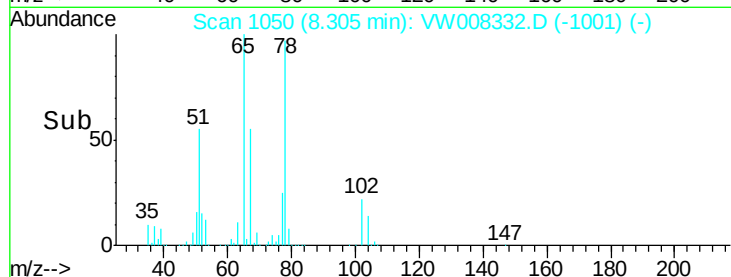
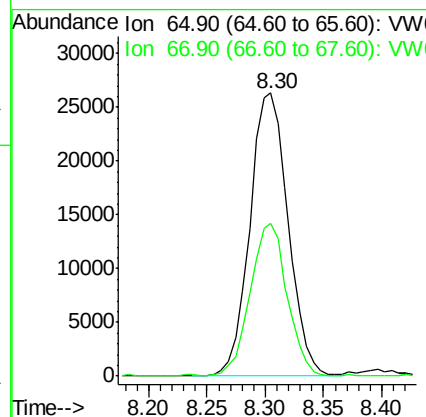
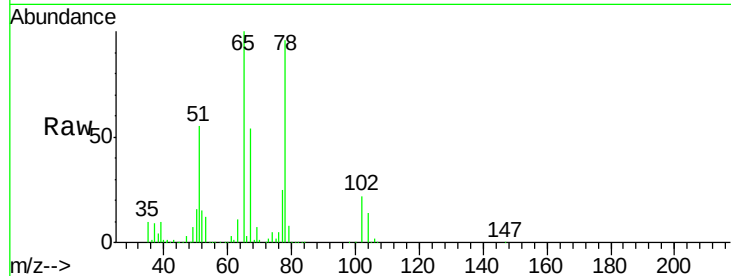
#33
 1,2-Dichloroethane-d4
 Concen: 52.284 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	60015		
67	52.4	0.0	106.2	

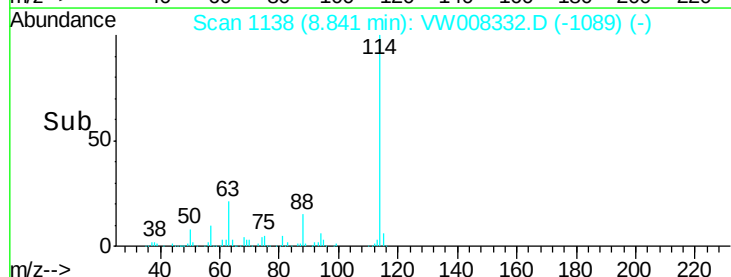
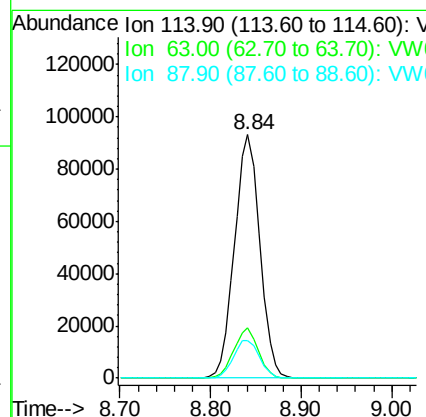
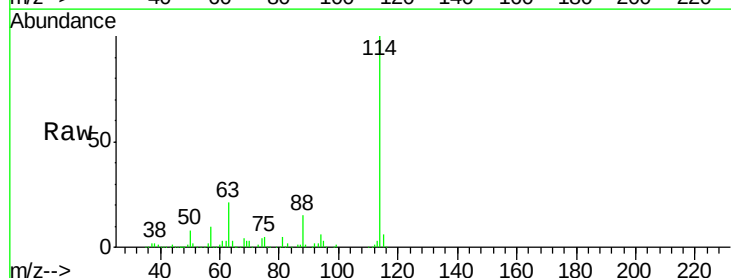
Manual Integrations
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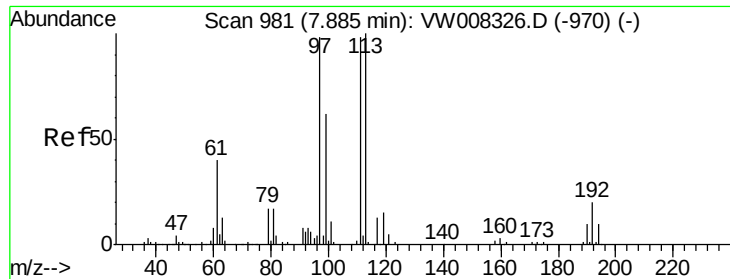
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 1/18/2019 2:10:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	180278		
63	20.8	0.0	40.8	
88	15.4	0.0	30.4	





#35

Dibromofluoromethane

Concen: 51.113 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

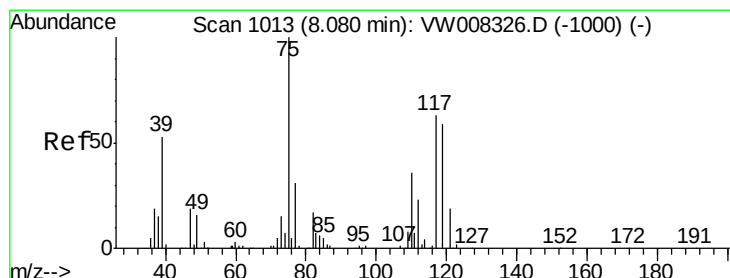
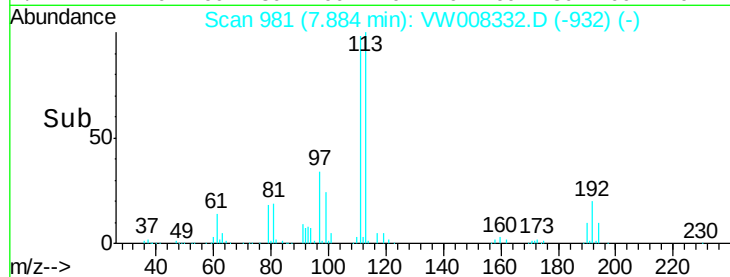
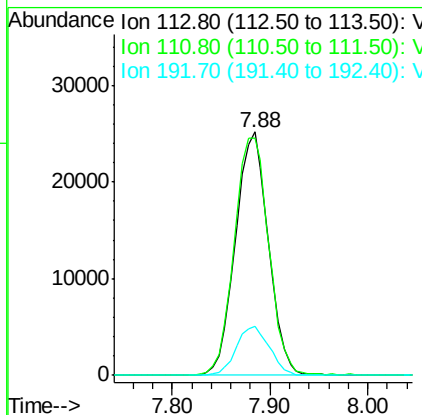
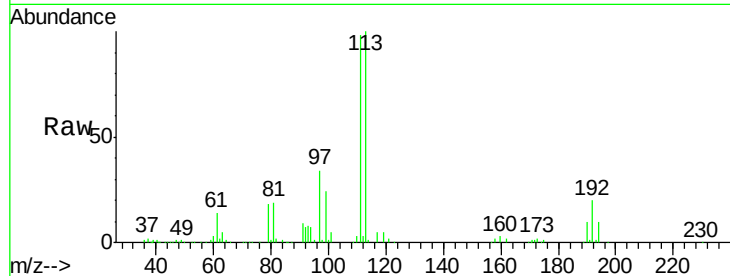
ClientSampled :

VW0117SBSD01

Tot Ion:	113	Resp:	58820
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.8	122.8
192	20.2	16.3	24.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.549 ug/l

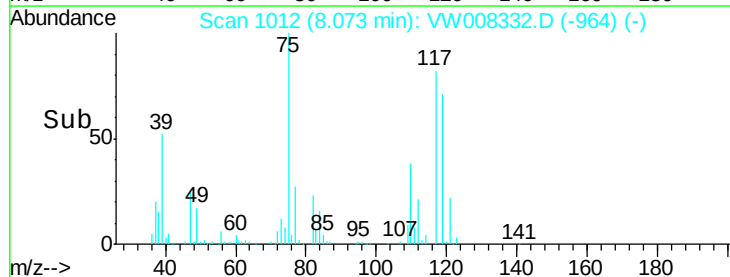
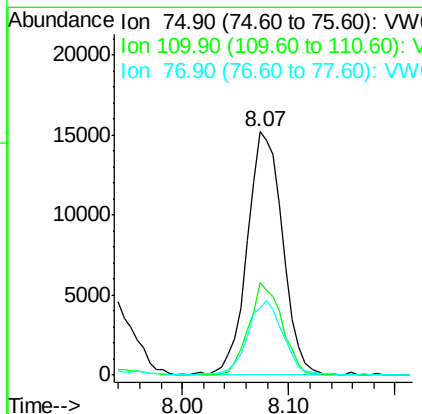
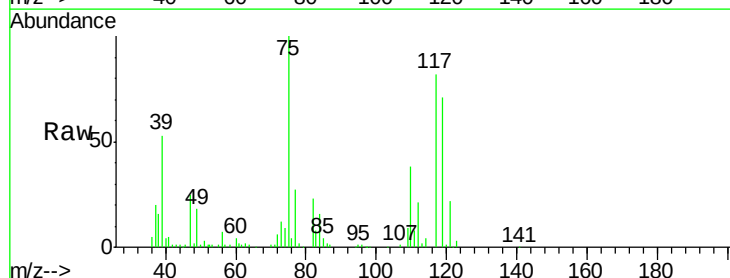
RT: 8.07 min Scan# 1012

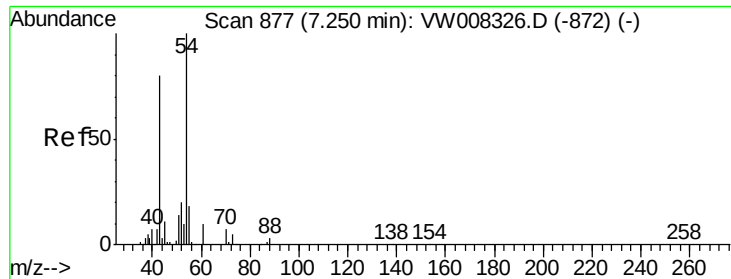
Delta R.T. -0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion:	75	Resp:	35457
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.5	52.6
77	30.7	25.0	37.6





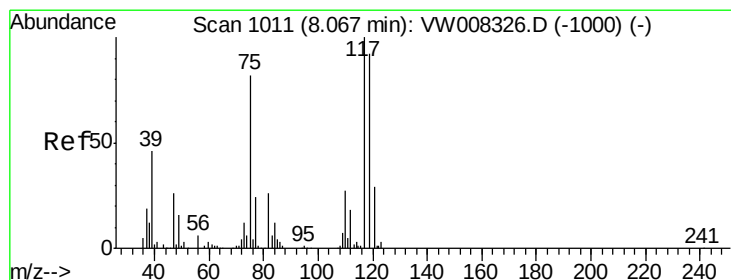
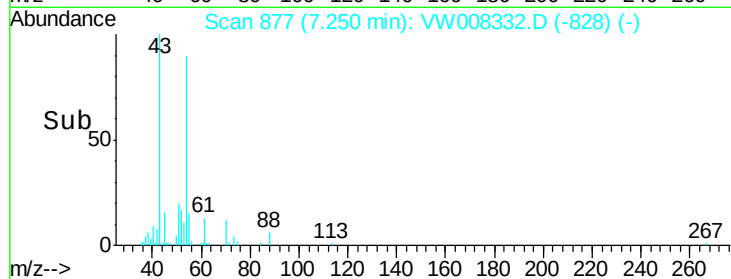
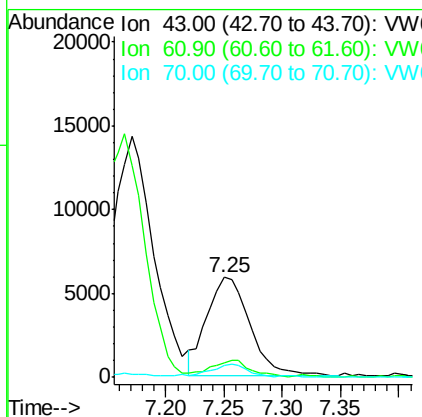
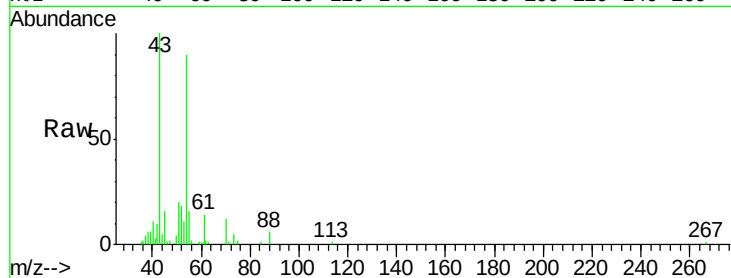
#37
Ethyl Acetate
Concen: 20.076 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	12.2	8.8	13.2

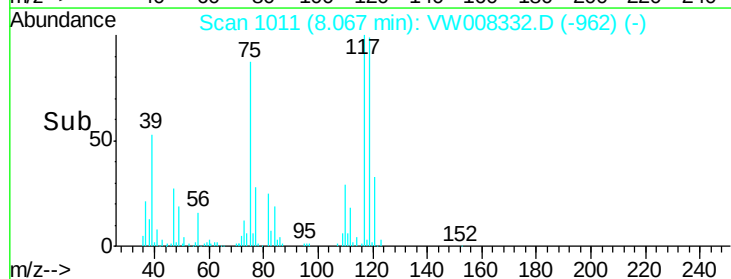
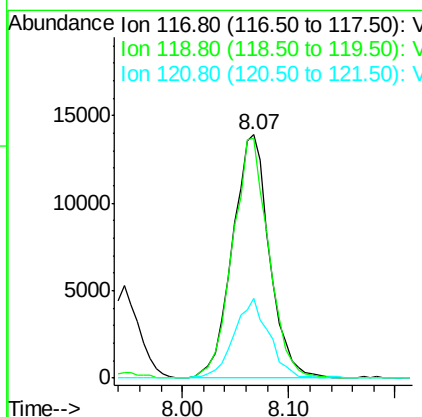
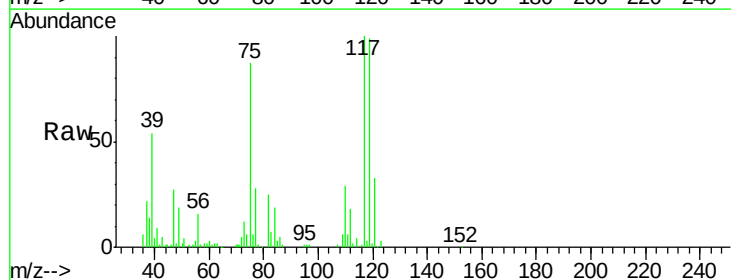
Manual Integrations
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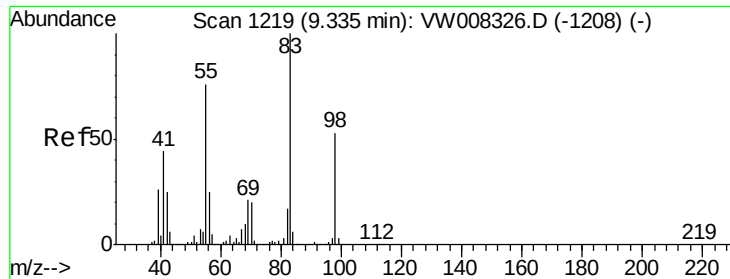
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#38
Carbon Tetrachloride
Concen: 18.885 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	73.8	110.6
121	32.5	23.4	35.0





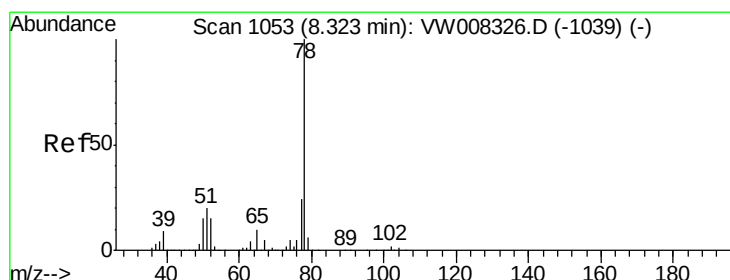
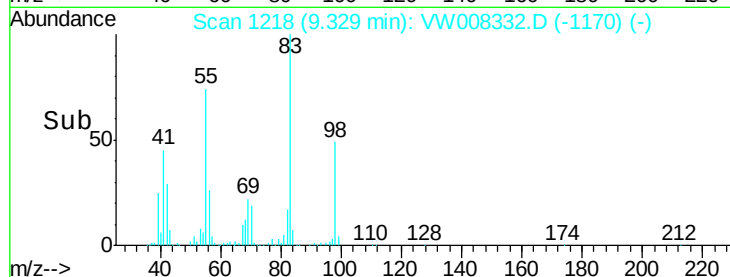
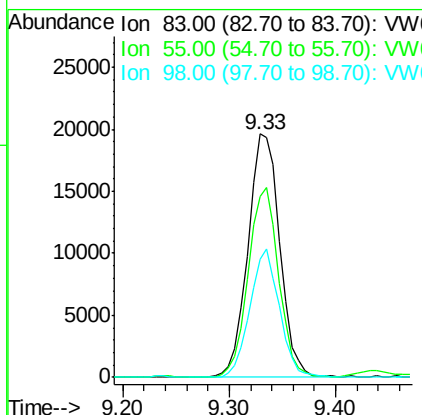
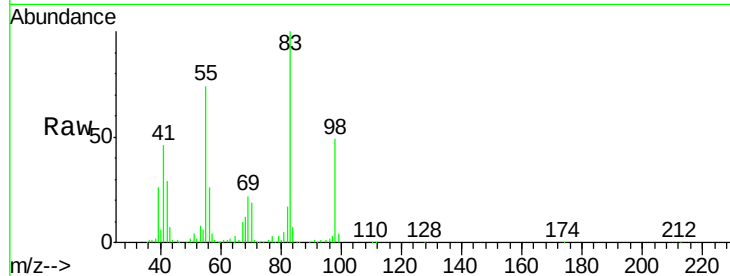
#39
Methylvlcyclohexane
Concen: 19.117 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.1	91.7
98	48.6	42.5	63.7

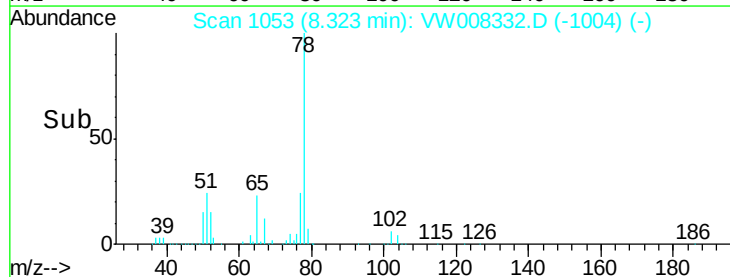
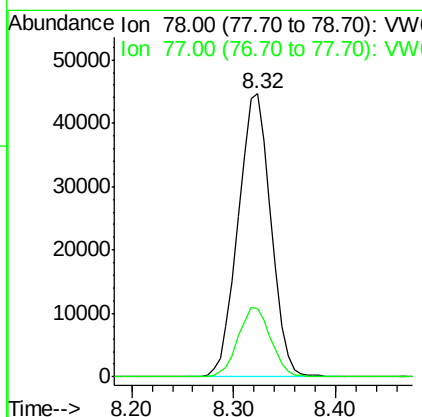
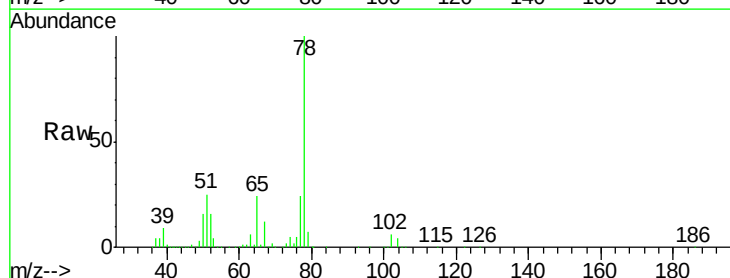
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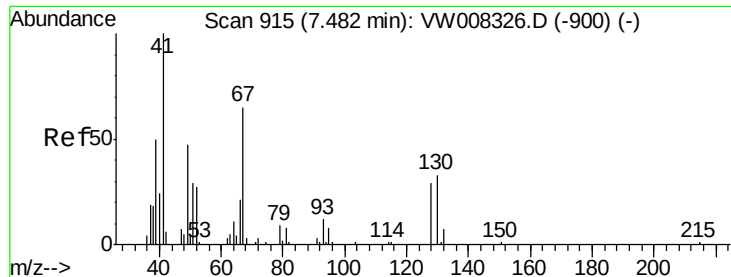
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#40
Benzene
Concen: 19.401 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





#41

Methacrylonitrile

Concen: 20.542 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

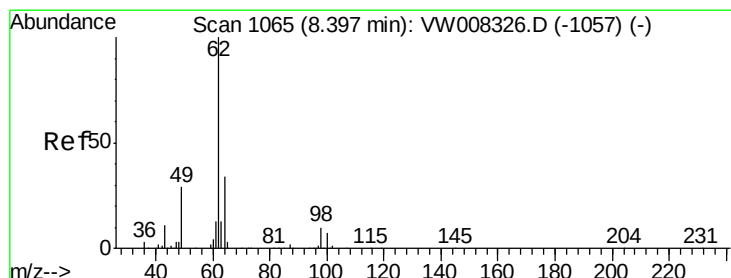
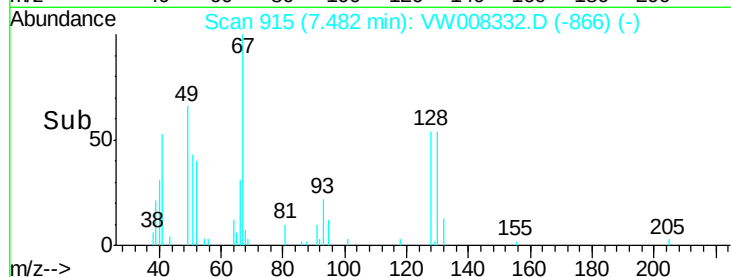
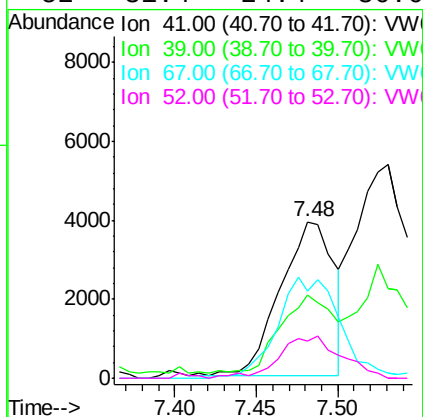
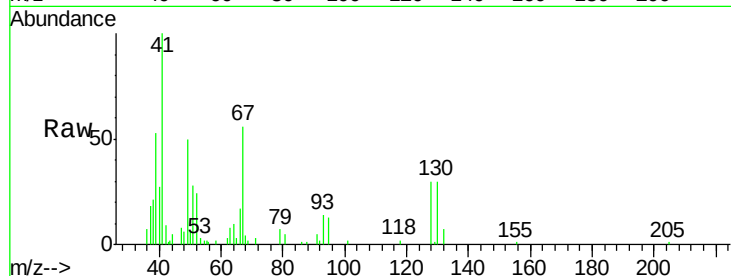
ClientSampleId :

VW0117SBS01

Tot Ion	41	Resp:	8944
Ion	Ratio	Lower	Upper
41	100		
39	50.3	44.9	67.3
67	76.7	56.9	85.3
52	31.4	24.4	36.6

Manual Integrations
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1/18/2019 2:10:09 PM



#42

1,2-Dichloroethane

Concen: 20.257 ug/l

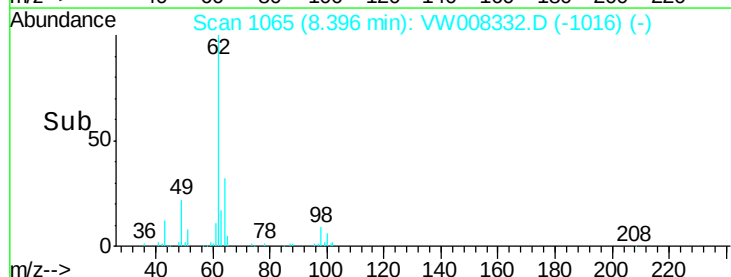
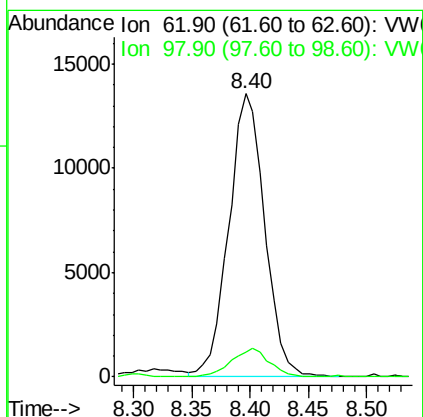
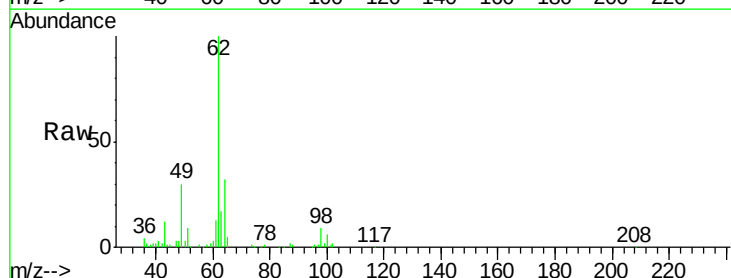
RT: 8.40 min Scan# 1065

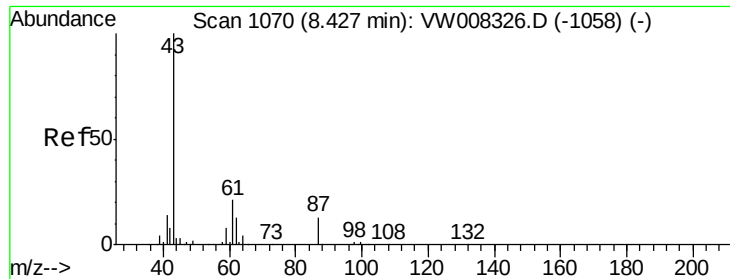
Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion	62	Resp:	29103
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.0





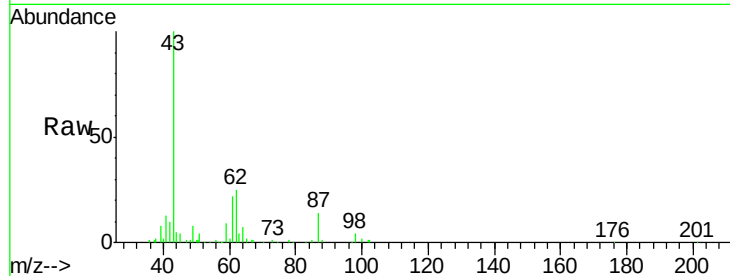
#43
Isopropyl Acetate
Concen: 21.064 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.8	37.2
87	13.7	10.7	16.1

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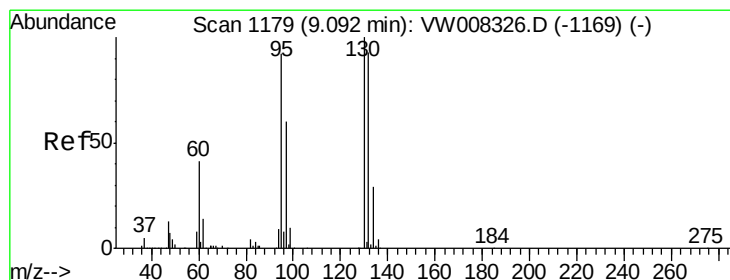
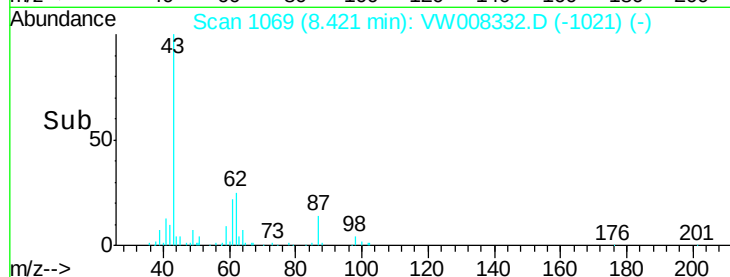
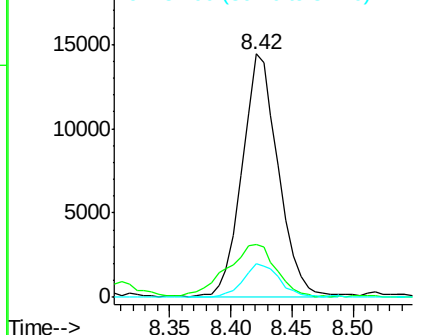


Abundance

Ion 43.00 (42.70 to 43.70): VW

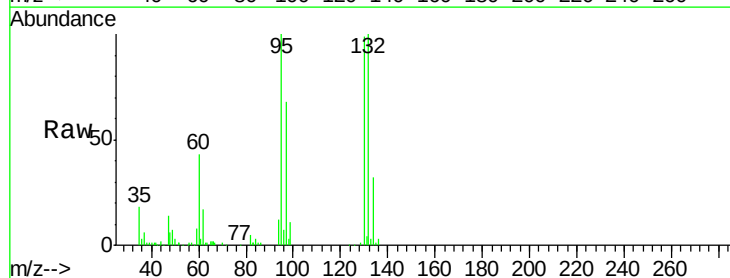
Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44
Trichloroethene
Concen: 18.907 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

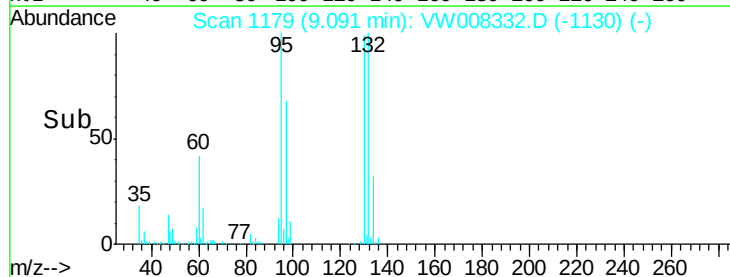
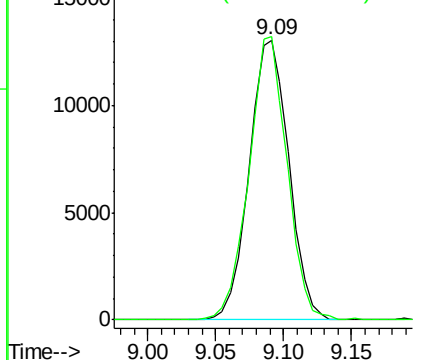
Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	184.8

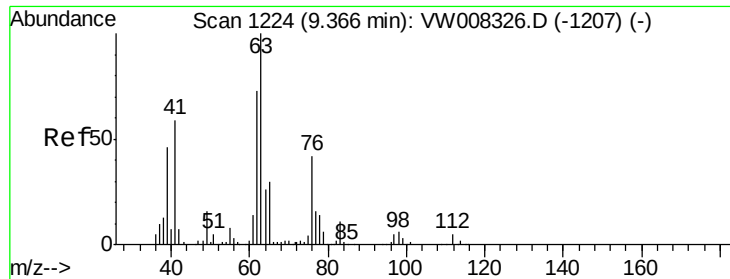


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





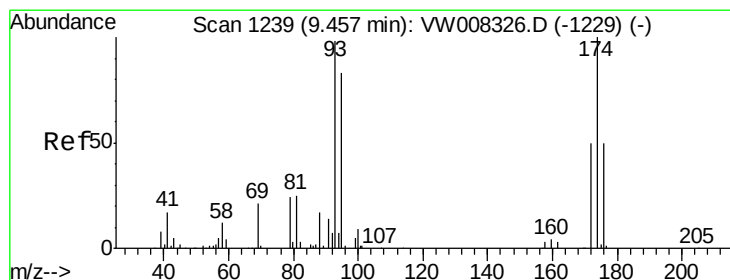
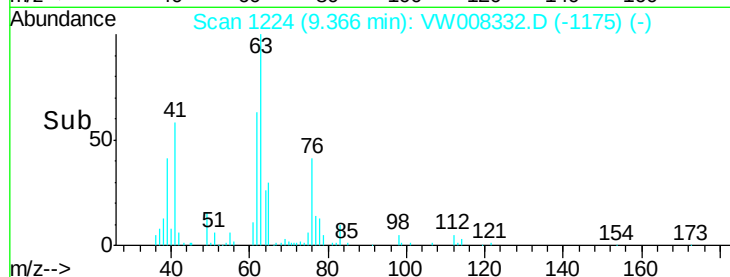
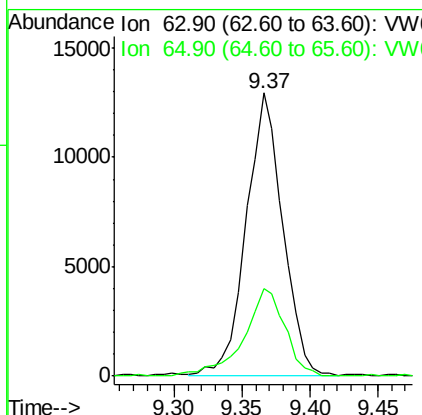
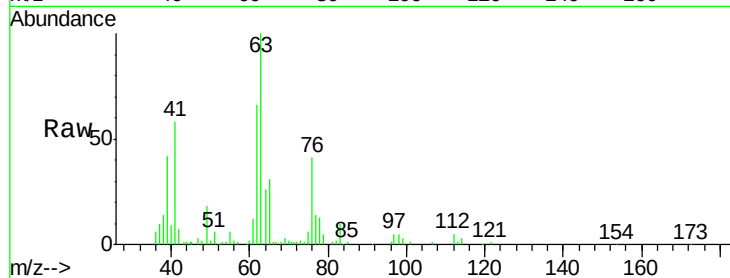
#45
 1,2-Dichloropropane
 Concen: 19.145 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	63	Resp	24433
Ion Ratio	Lower	Upper	
63	100		
65	31.0	23.9	35.9

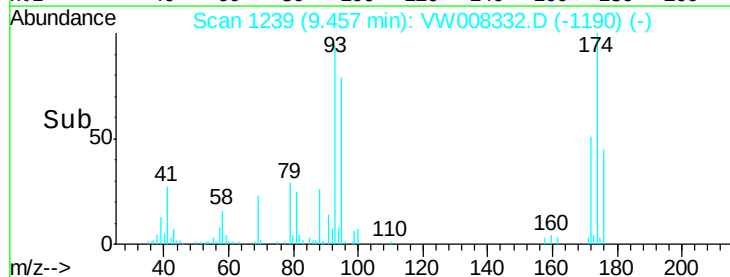
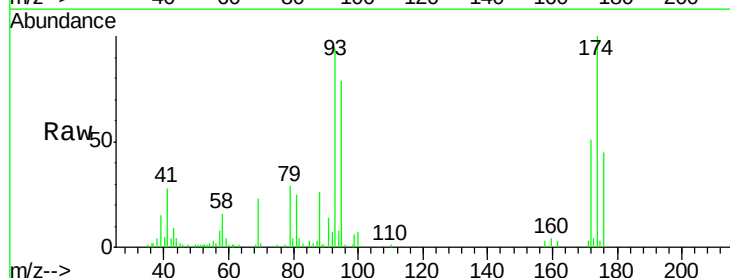
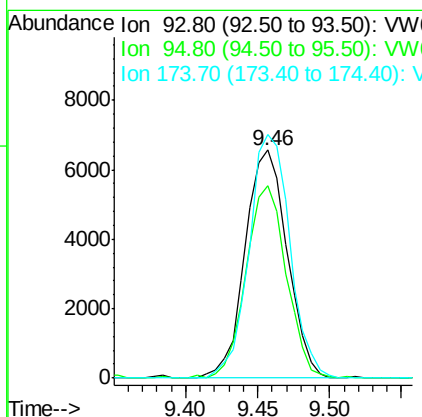
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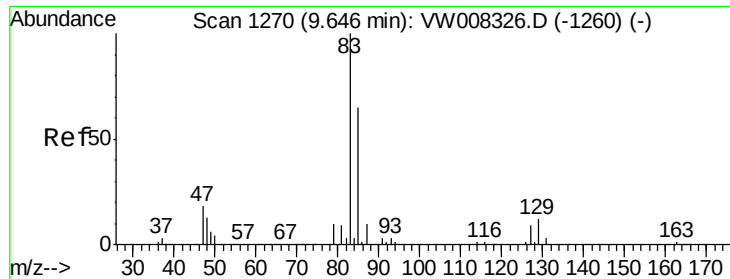
MMDadoda
 1/18/2019 2:10:09 PM



#46
 Dibromomethane
 Concen: 19.952 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Tgt Ion	93	Resp	13271
Ion Ratio	Lower	Upper	
93	100		
95	80.9	67.8	101.8
174	103.3	84.4	126.6





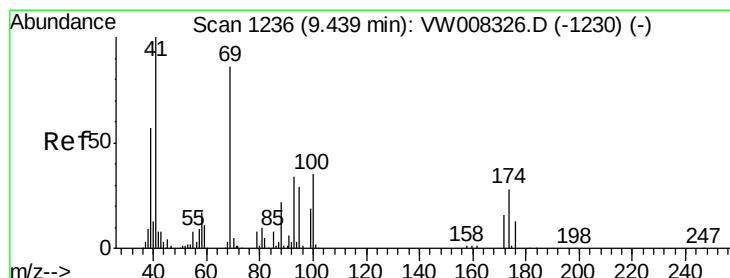
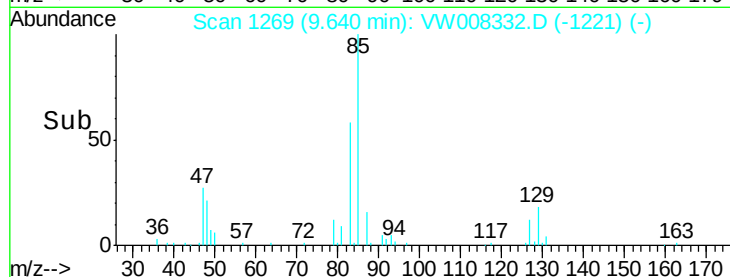
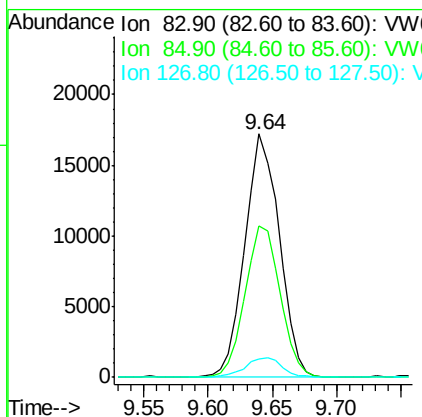
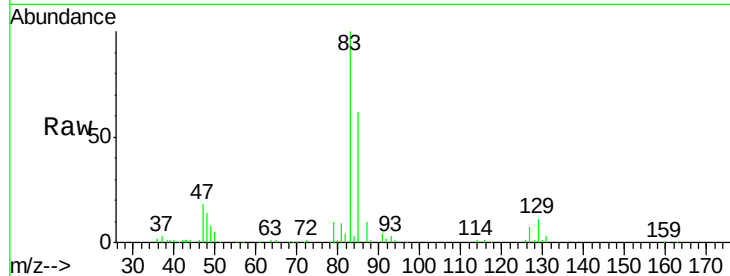
#47
Bromodichloromethane
Concen: 19.461 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	31929		
85	62.2		51.6	77.4
127	7.4		6.8	10.2

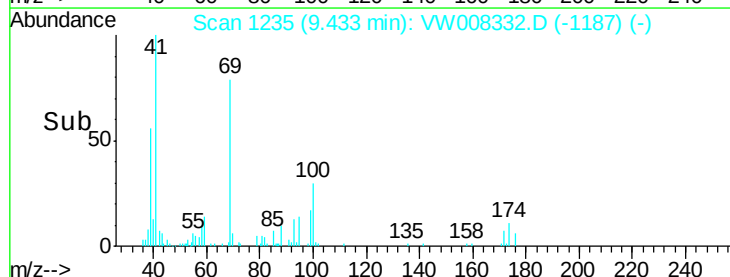
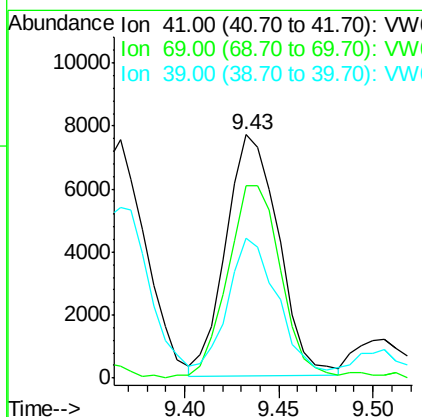
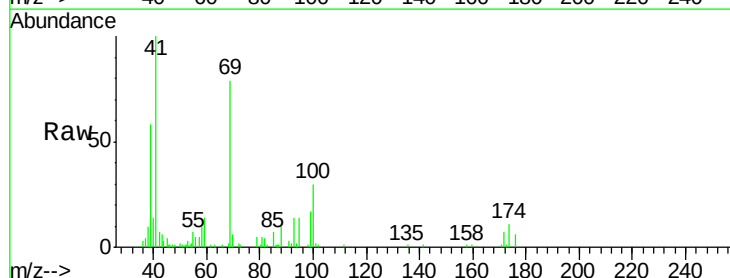
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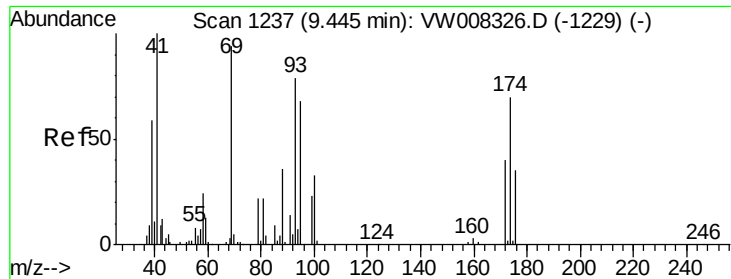
MMDadoda
1/18/2019 2:10:09 PM



#48
Methyl methacrylate
Concen: 22.377 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	14883		
69	80.4		68.2	102.4
39	48.8		46.0	69.0





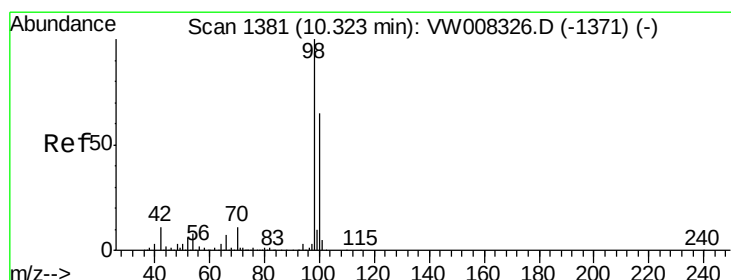
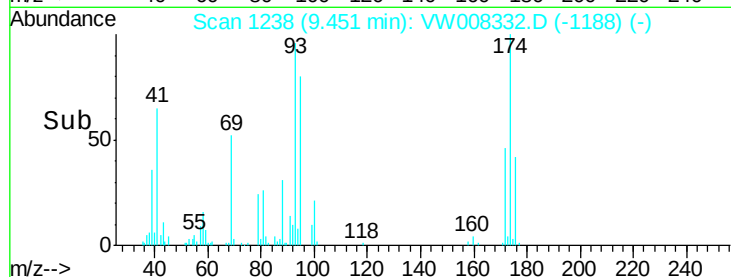
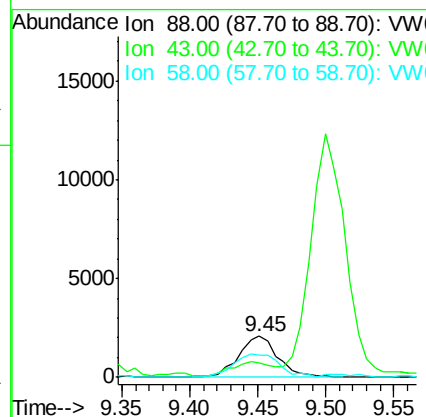
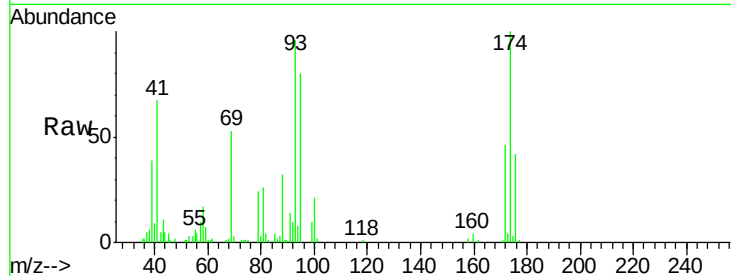
#49
1,4-Dioxane
Concen: 390.189 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	27.1	40.7
58	67.1	57.9	86.9

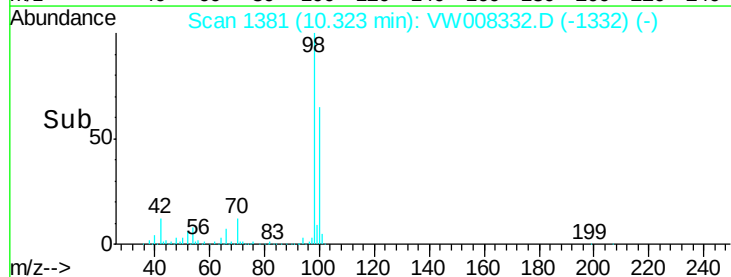
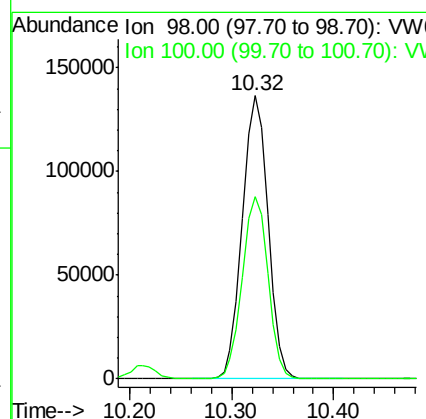
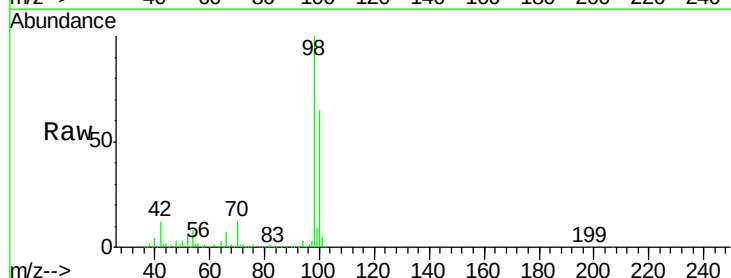
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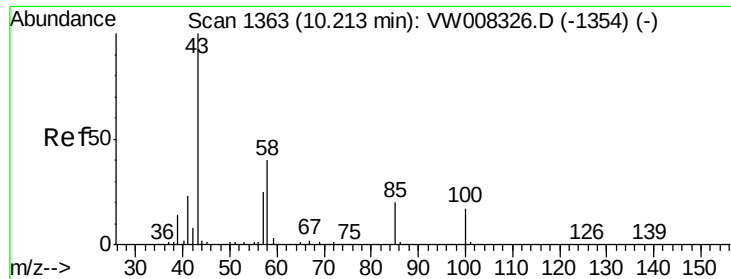
MMDadoda
1/18/2019 2:10:09 PM



#50
Toluene-d8
Concen: 52.736 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 103.423 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 43 Resp: 73988

Ion Ratio Lower Upper

43 100

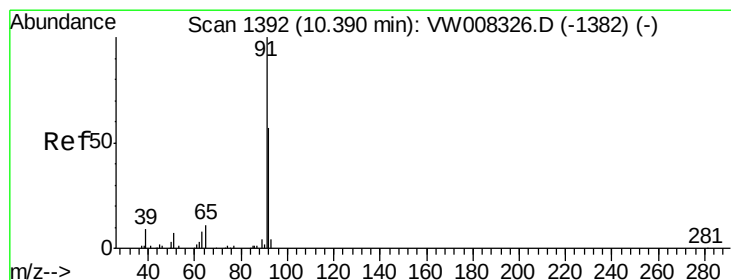
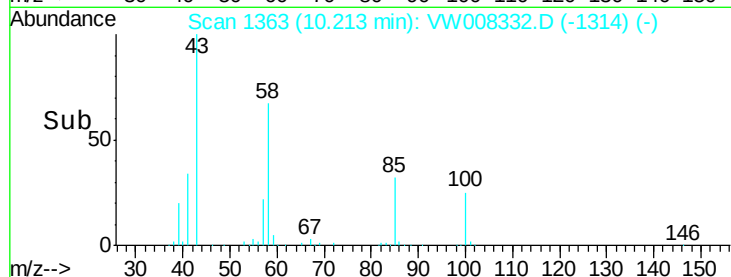
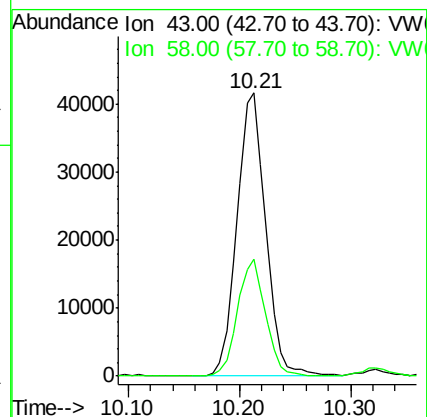
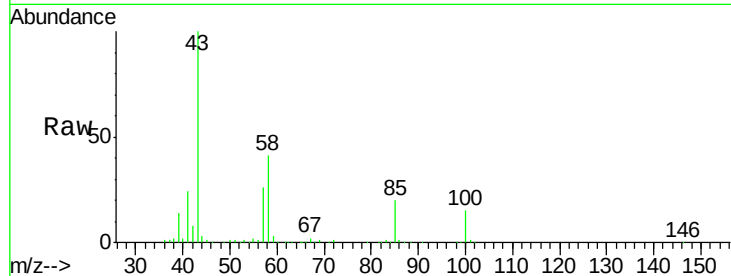
58 40.6 31.4 47.0

Manual Integrations

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#52

Toluene

Concen: 19.728 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008332.D

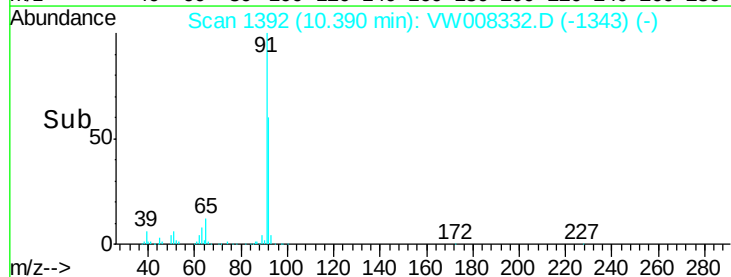
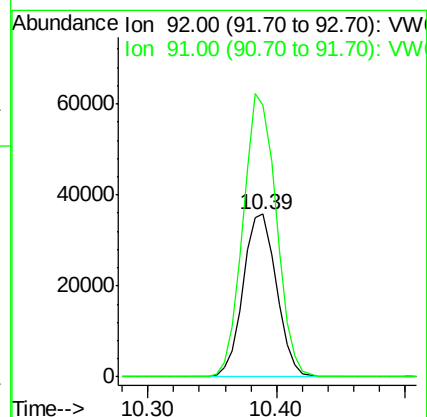
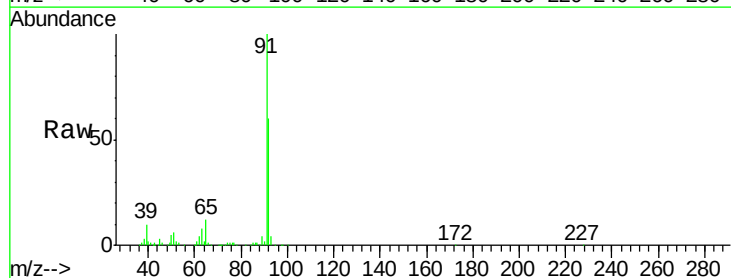
Acq: 17 Jan 2019 17:05

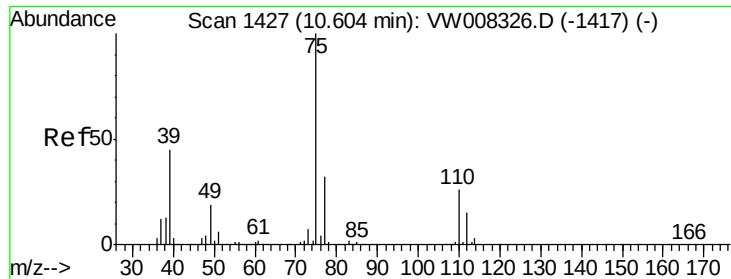
Tgt Ion: 92 Resp: 64145

Ion Ratio Lower Upper

92 100

91 173.2 140.2 210.2





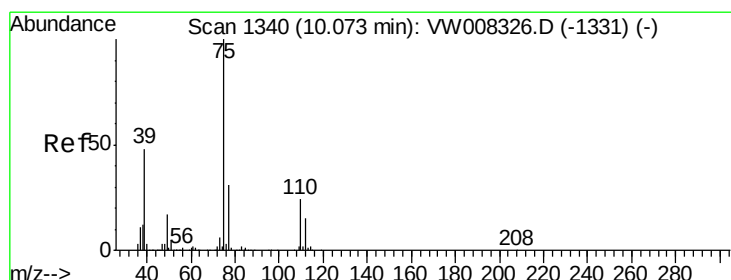
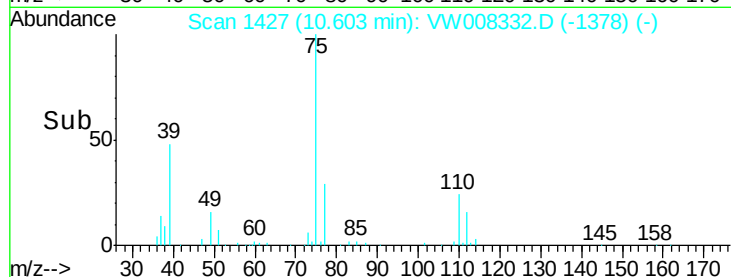
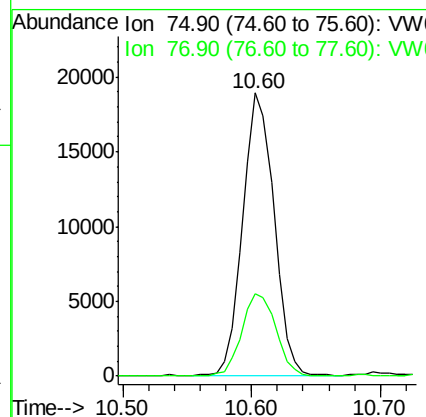
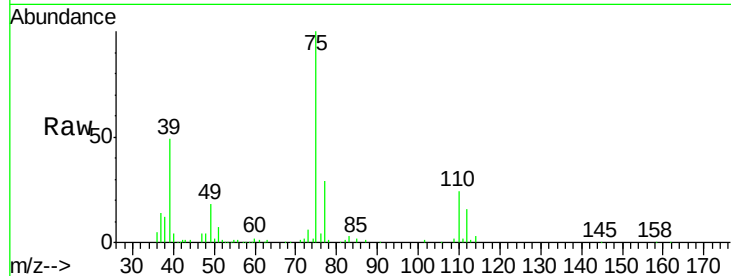
#53
t-1,3-Dichloropropene
Concen: 19.519 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion: 75 Resp: 31963
Ion Ratio Lower Upper
75 100
77 28.8 25.8 38.8

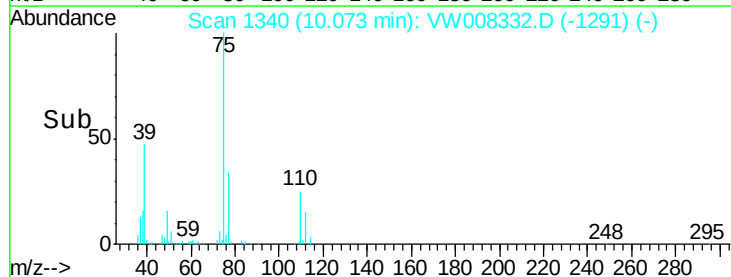
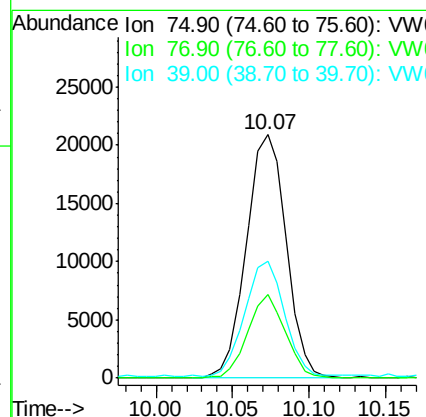
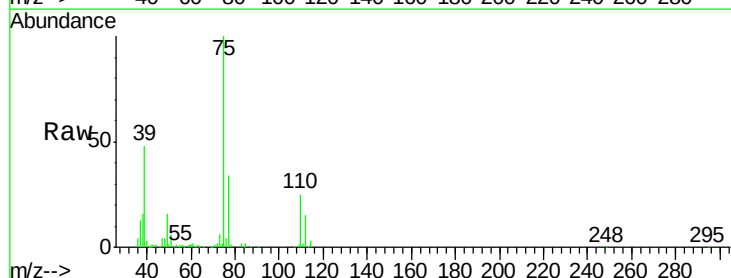
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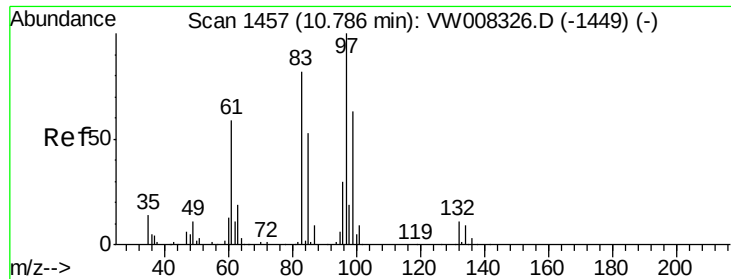
MMDadoda
1/18/2019 2:10:09 PM



#54
cis-1,3-Dichloropropene
Concen: 19.621 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion: 75 Resp: 37876
Ion Ratio Lower Upper
75 100
77 34.3 24.4 36.6
39 46.8 38.6 57.8





#55

1,1,2-Trichloroethane

Concen: 20.316 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

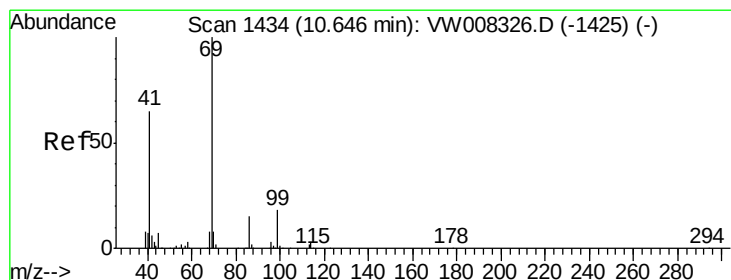
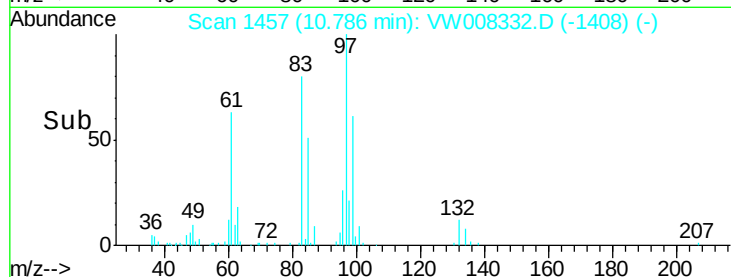
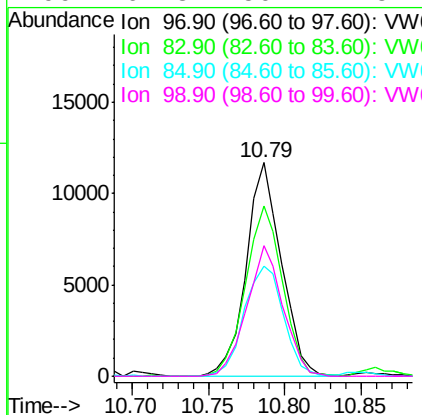
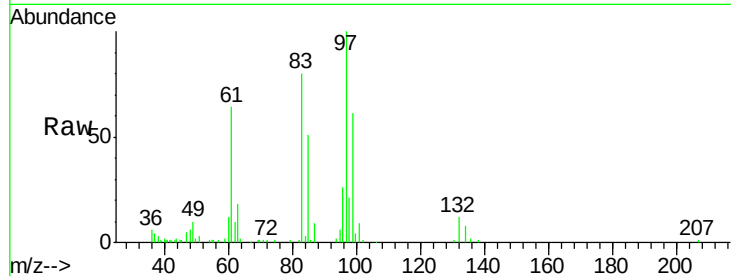
ClientSampleId :

VW0117SBS01

Tot Ion:	97	Resp:	18743
Ion	Ratio	Lower	Upper
97	100		
83	79.7	65.3	97.9
85	51.3	42.6	64.0
99	61.3	50.2	75.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.107 ug/l

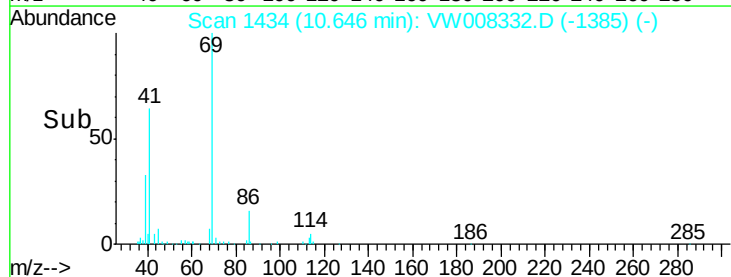
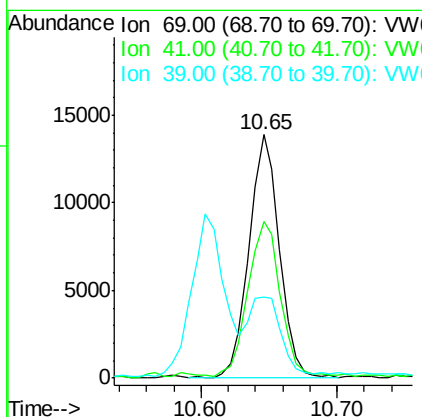
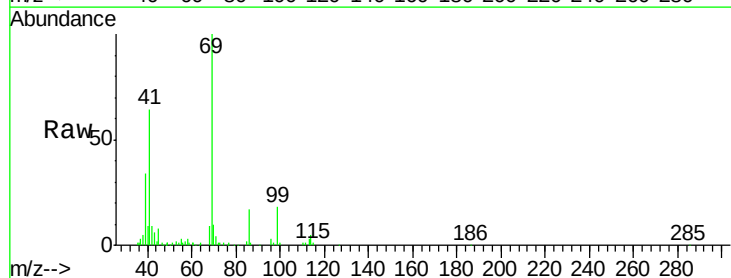
RT: 10.65 min Scan# 1434

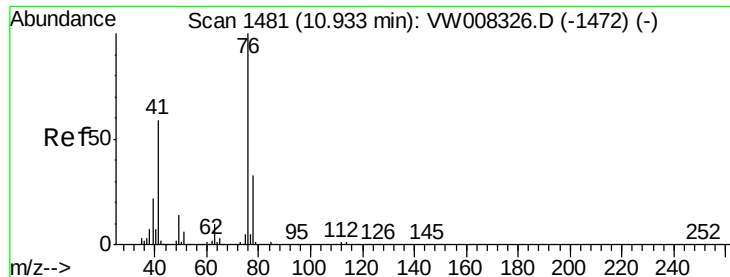
Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion:	69	Resp:	21785
Ion	Ratio	Lower	Upper
69	100		
41	66.9	52.9	79.3
39	35.0	28.4	42.6





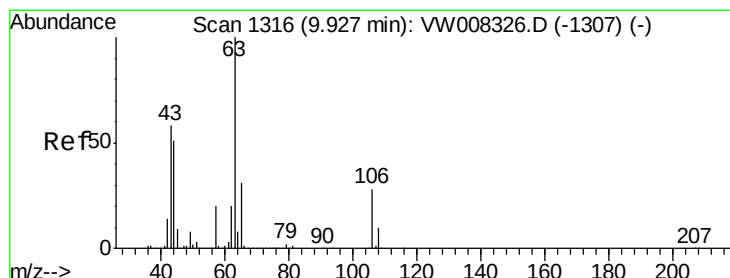
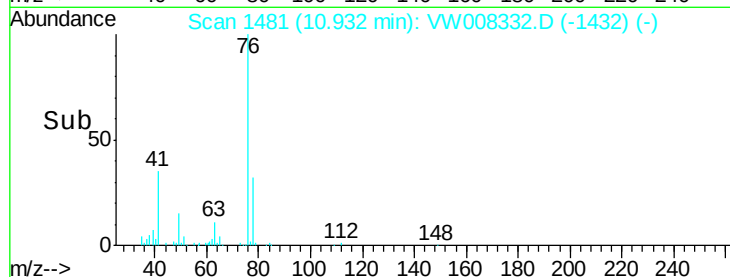
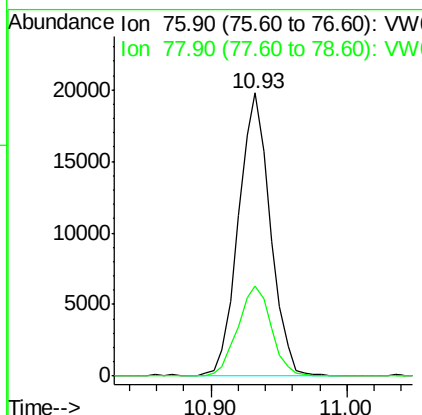
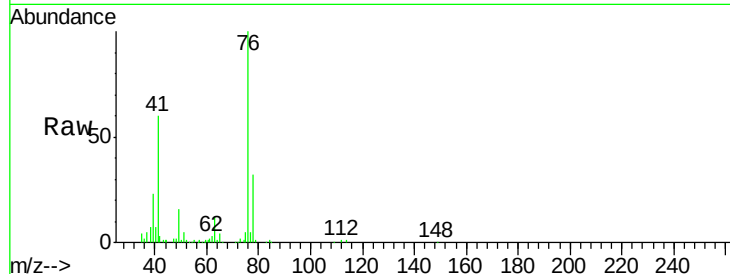
#57
 1,3-Dichloropropane
 Concen: 20.221 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1

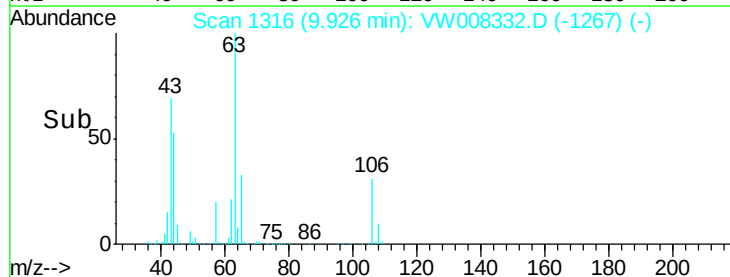
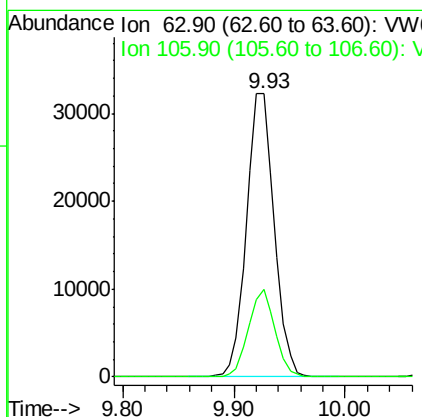
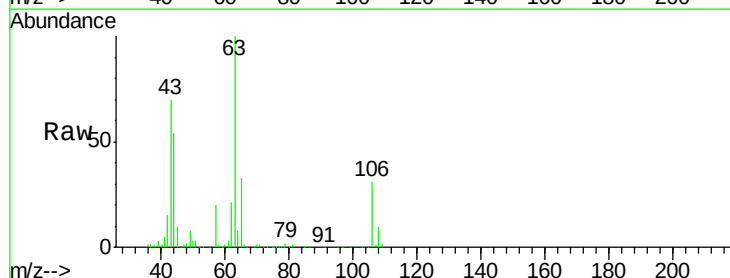
Manual Integrations
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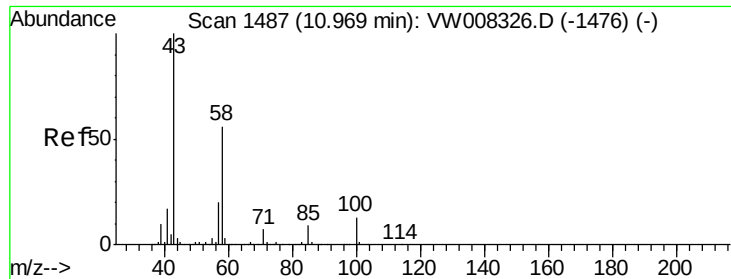
MMDadoda
 1/18/2019 2:10:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.990 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	22.9	34.3





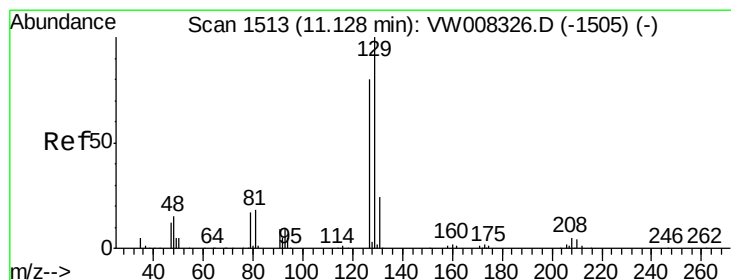
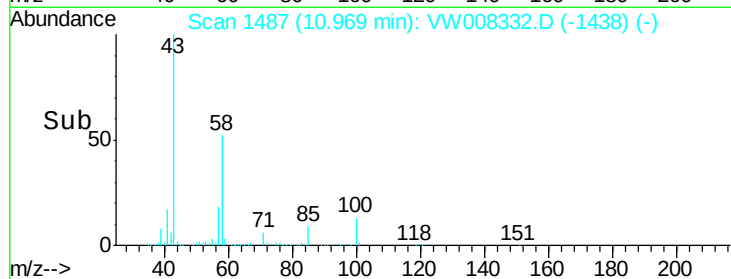
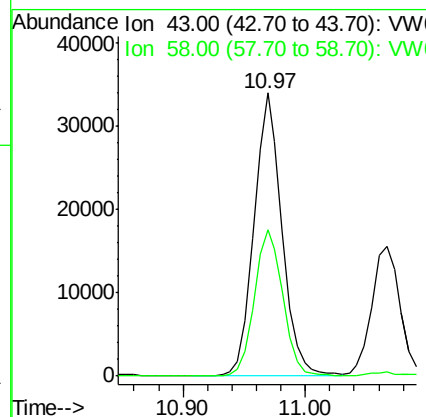
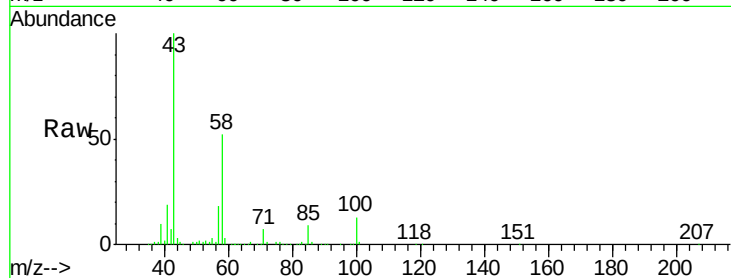
#59
2-Hexanone
Concen: 107.454 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBSD01

Tot Ion	43	Resp	53861
Ion Ratio	100	Lower	Upper
43	100		
58	53.3	27.5	82.5

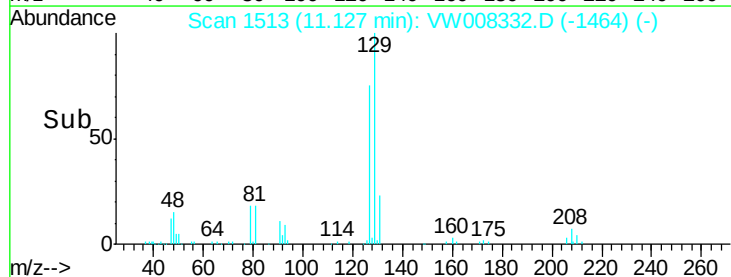
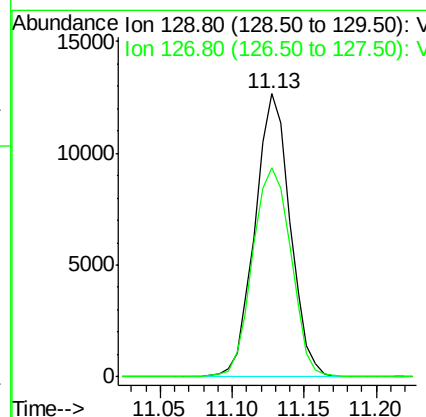
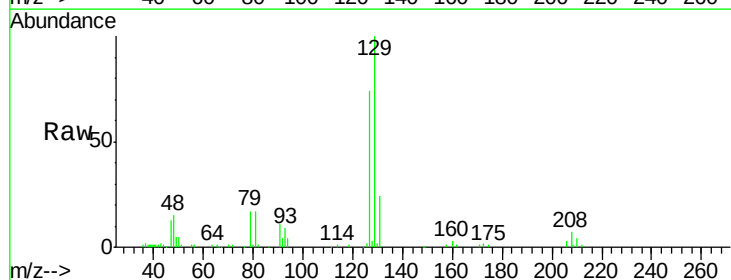
Manual Integrations
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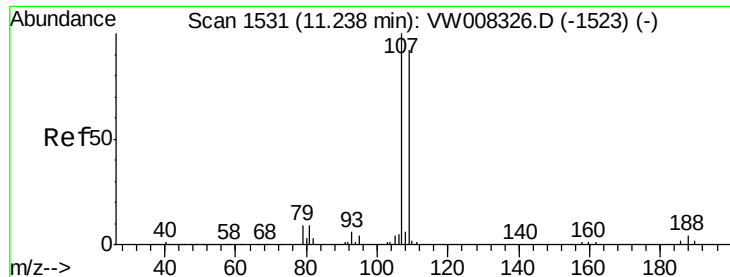
MMDadoda
1/18/2019 2:10:09 PM



#60
Dibromochloromethane
Concen: 19.412 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	129	Resp	21374
Ion Ratio	100	Lower	Upper
129	100		
127	80.6	39.1	117.2





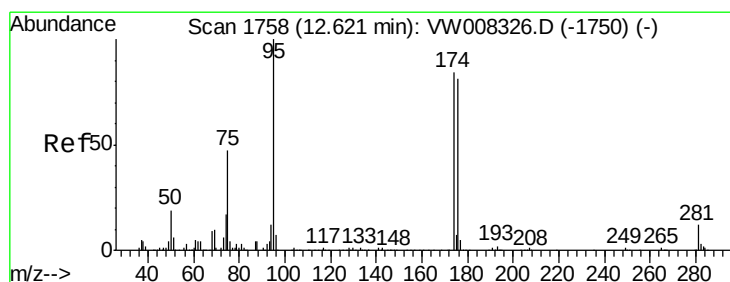
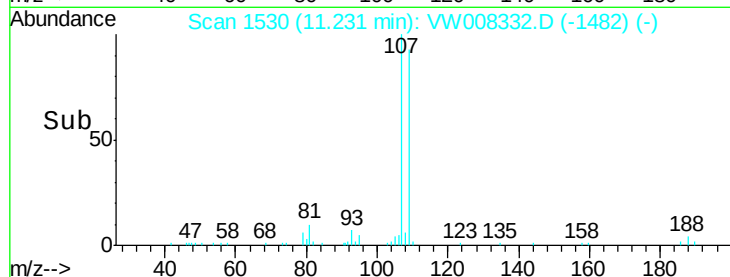
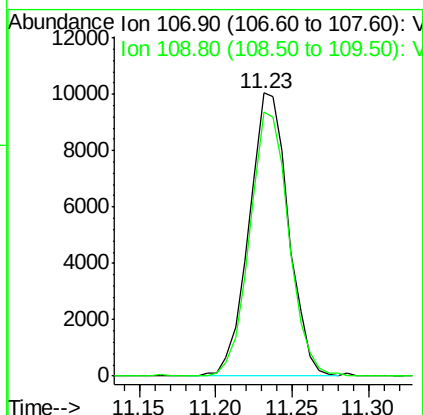
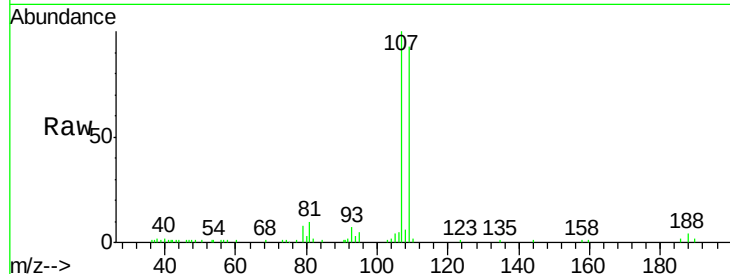
#61
1,2-Dibromoethane
Concen: 20.199 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	74.0	111.0

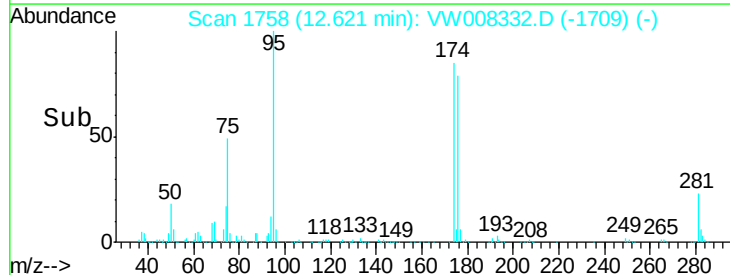
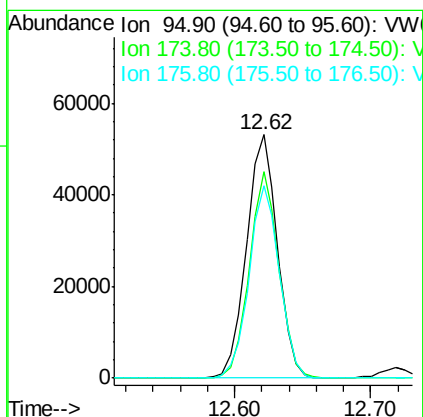
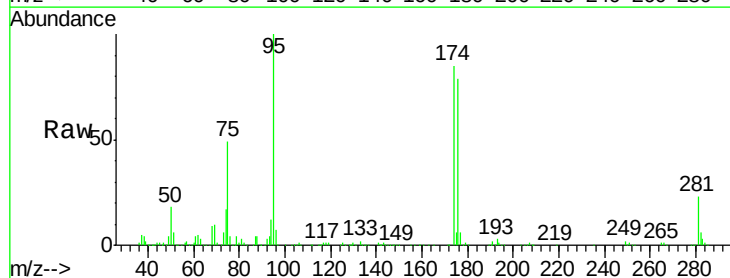
Manual Integrations
APPROVED

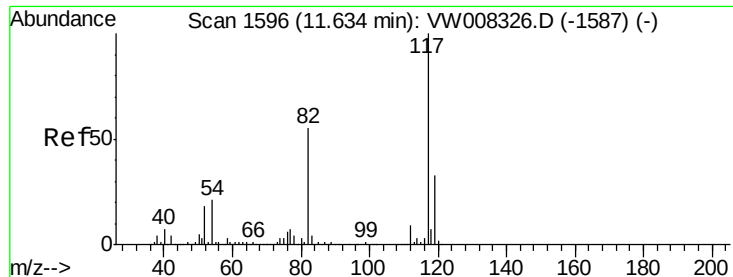
MMDadoda
1/18/2019 2:10:09 PM



#62
4-Bromofluorobenzene
Concen: 52.130 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	166.0
176	77.7	0.0	160.0





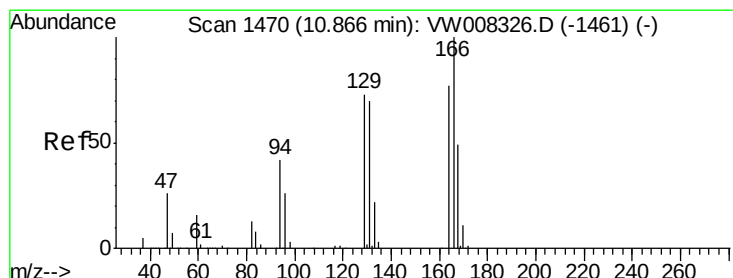
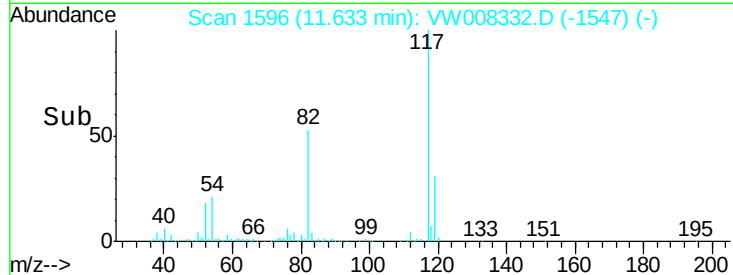
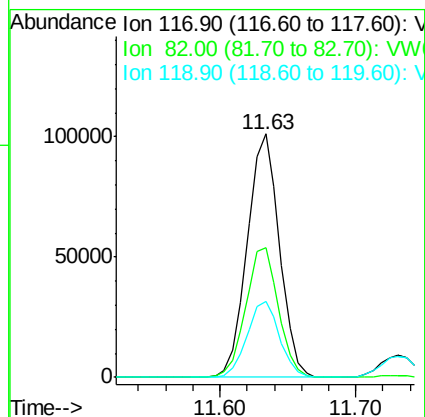
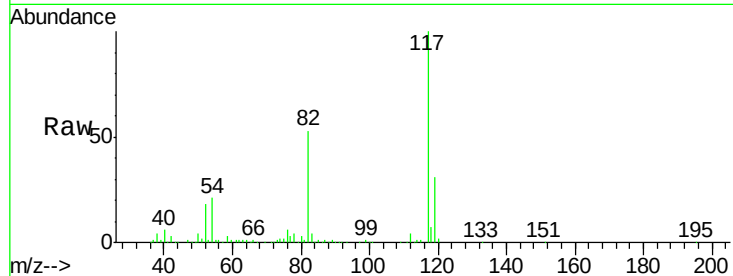
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.3	66.5
119	31.2	26.3	39.5

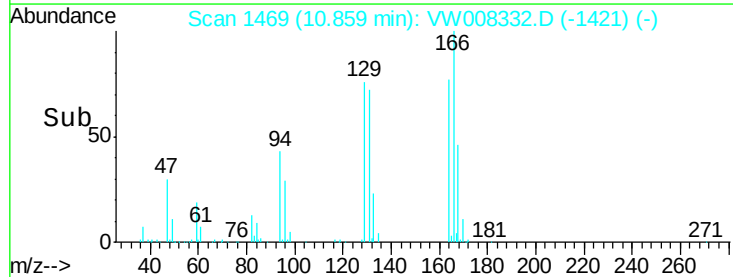
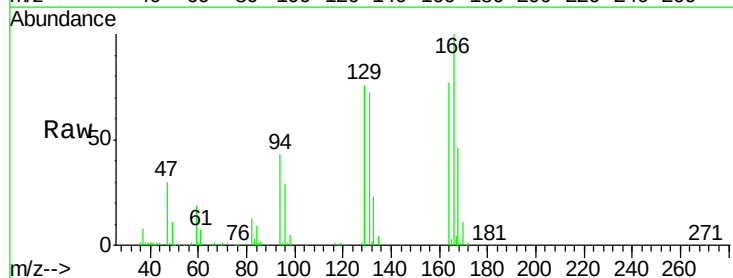
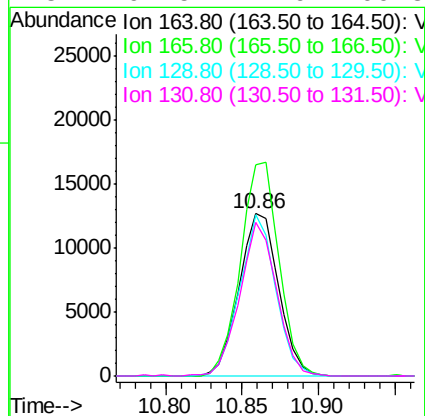
Manual Integrations
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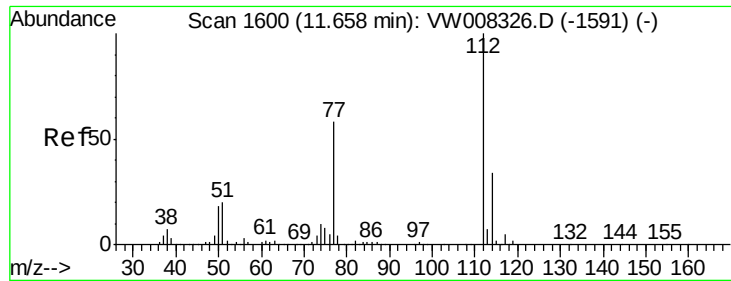
MMDadoda
1/18/2019 2:10:09 PM



#64
Tetrachloroethene
Concen: 19.378 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.4	155.2
129	99.2	75.0	112.6
131	94.5	72.9	109.3





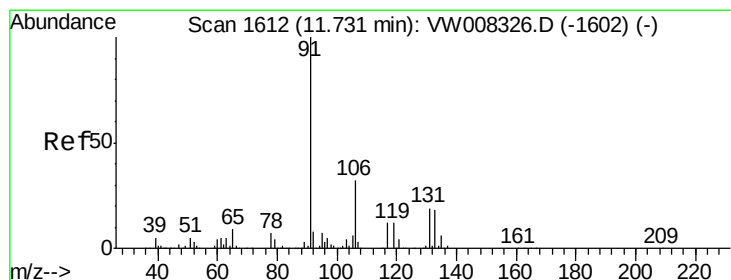
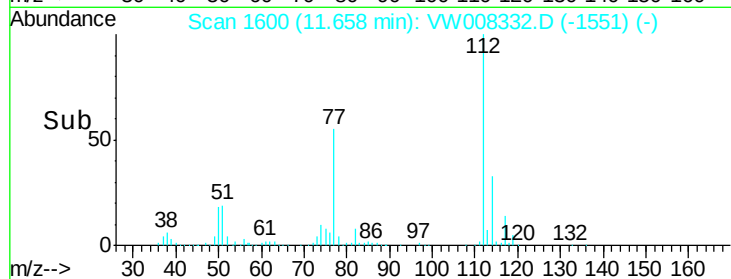
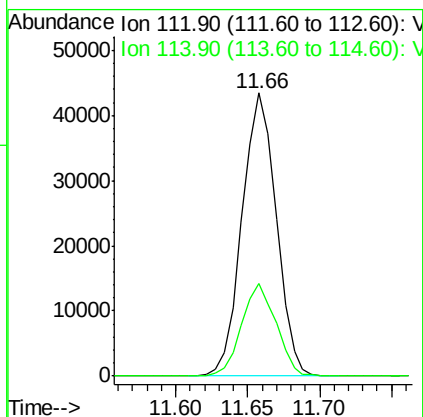
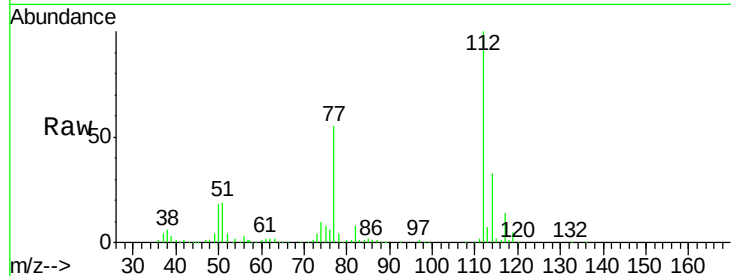
#65
Chlorobenzene
Concen: 19.585 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBSD01

Tot Ion:112 Resp: 71463
Ion Ratio Lower Upper
112 100
114 32.6 26.9 40.3

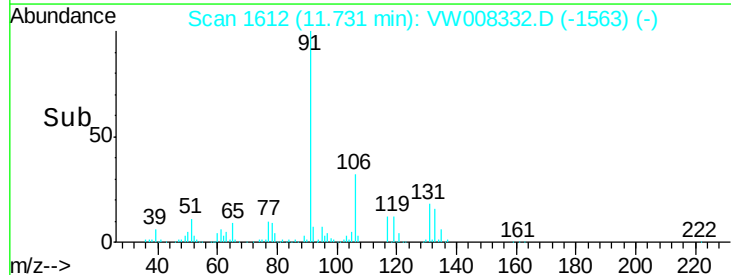
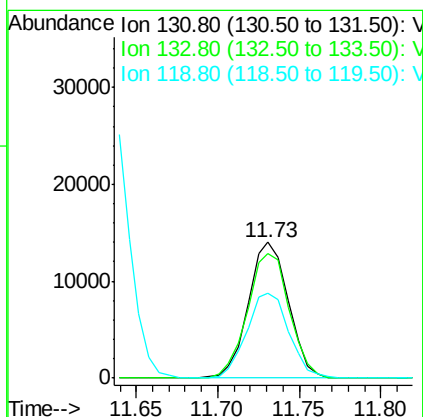
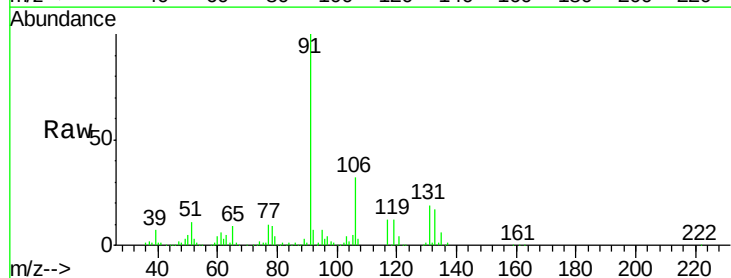
Manual Integrations
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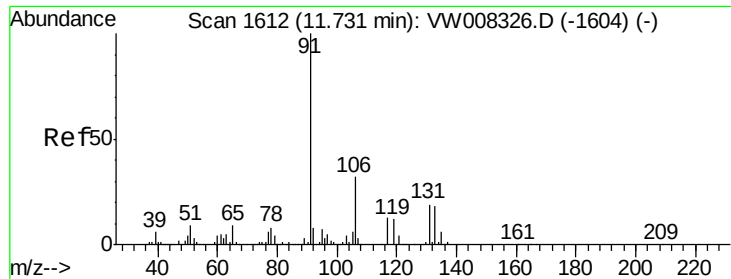
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.130 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion:131 Resp: 24025
Ion Ratio Lower Upper
131 100
133 95.8 48.2 144.6
119 65.7 31.6 94.7





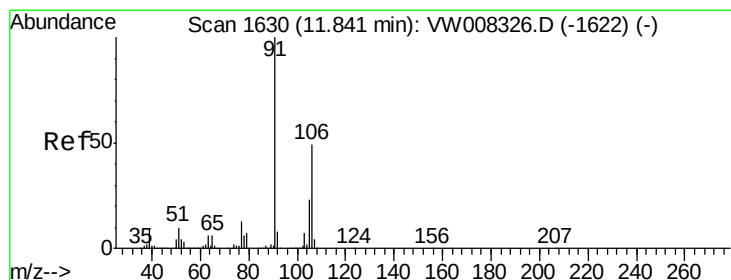
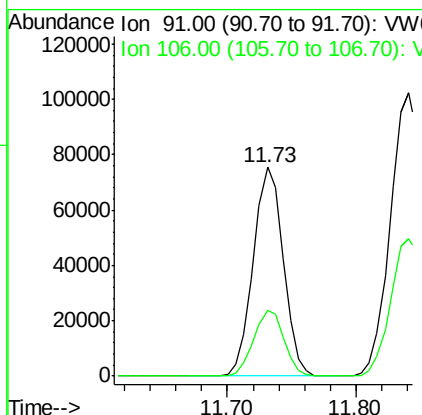
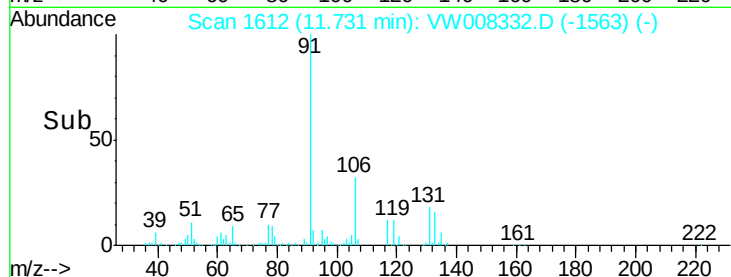
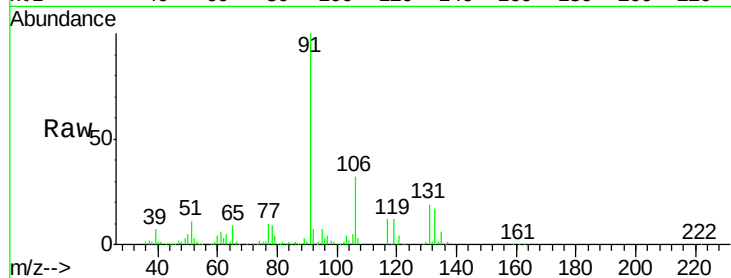
#67
Ethyl Benzene
Concen: 19.124 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion: 91 Resp: 121166
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

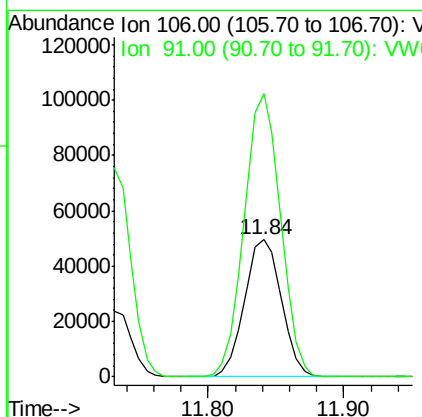
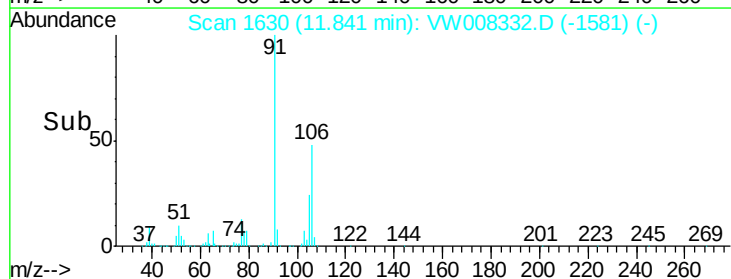
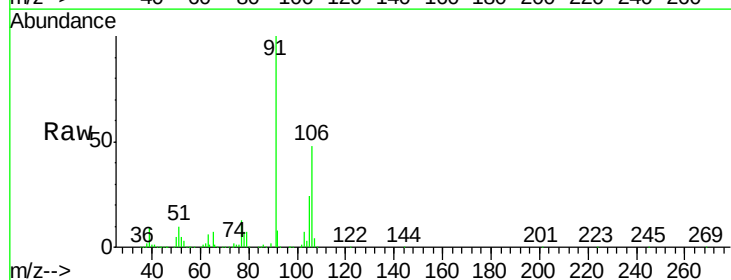
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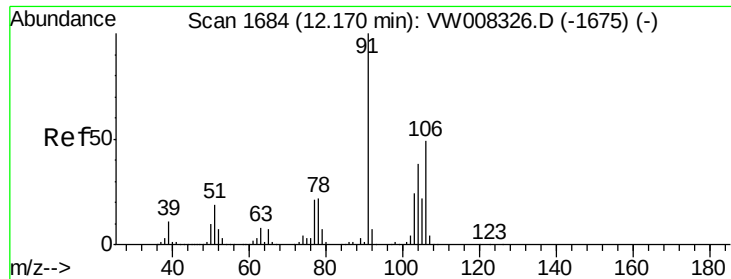
MMDadoda
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#68
m/p-Xylenes
Concen: 38.332 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion: 106 Resp: 94265
Ion Ratio Lower Upper
106 100
91 203.8 158.4 237.6





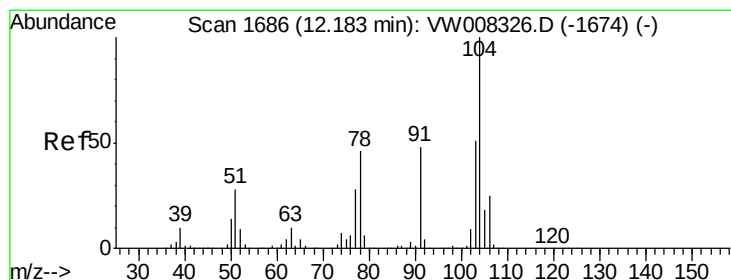
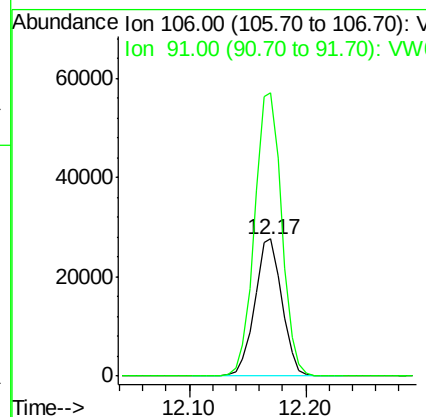
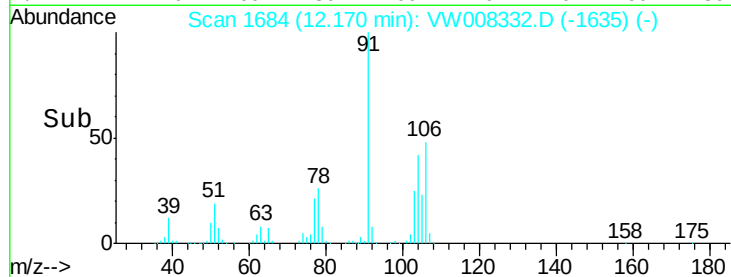
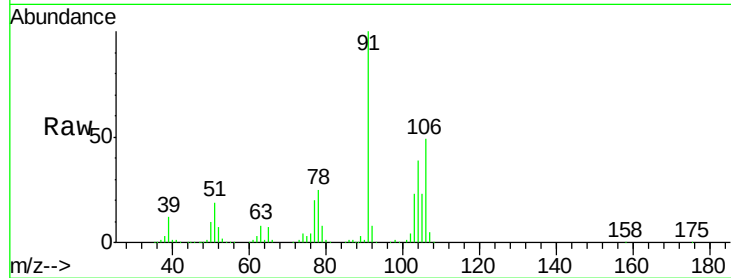
#69
o-Xylene
Concen: 19.632 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBSD01

Tot Ion:106 Resp: 45106
Ion Ratio Lower Upper
106 100
91 206.1 104.1 312.3

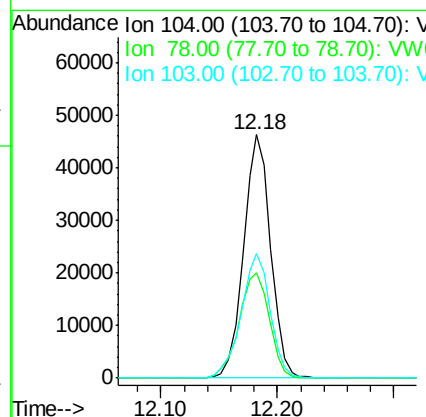
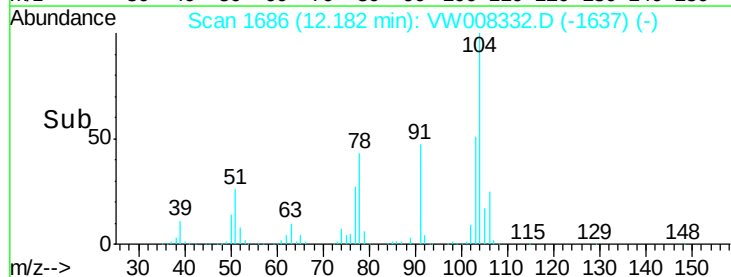
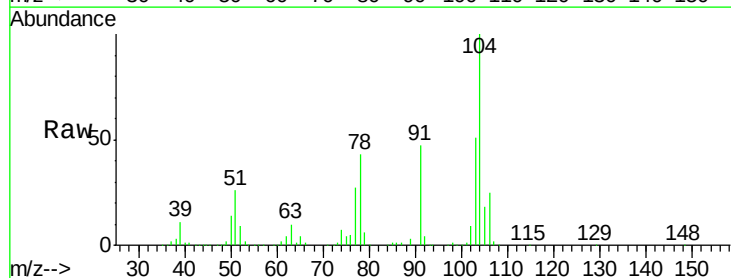
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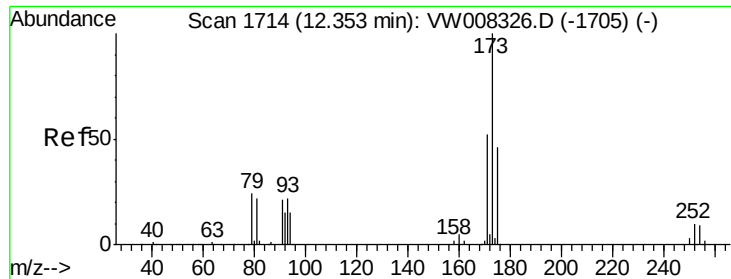
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#70
Styrene
Concen: 20.238 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion:104 Resp: 74687
Ion Ratio Lower Upper
104 100
78 48.5 39.8 59.6
103 55.1 44.0 66.0





#71

Bromoform

Concen: 20.095 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBSD01

Tot Ion:173 Resp: 12572

Ion Ratio Lower Upper

173 100

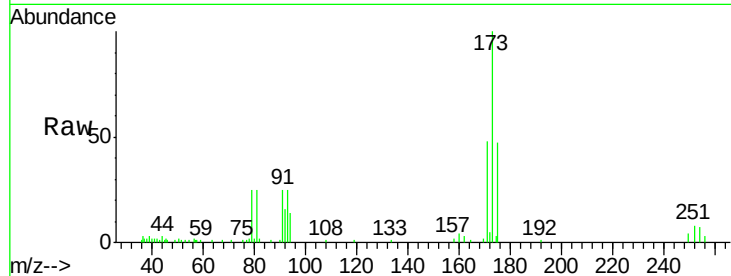
175 49.6 23.6 70.8

254 0.0 0.2 0.2#

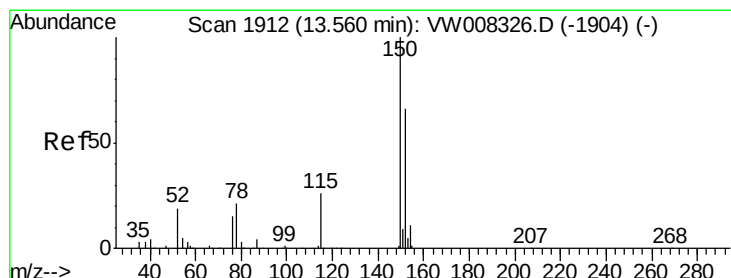
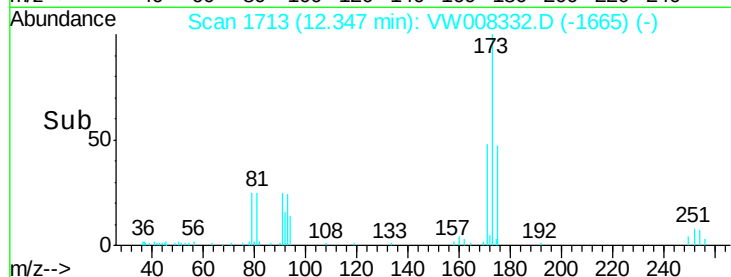
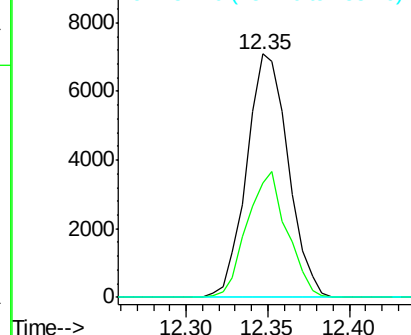
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

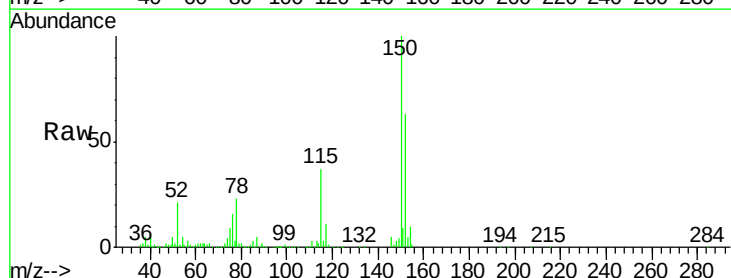
Tgt Ion:152 Resp: 85393

Ion Ratio Lower Upper

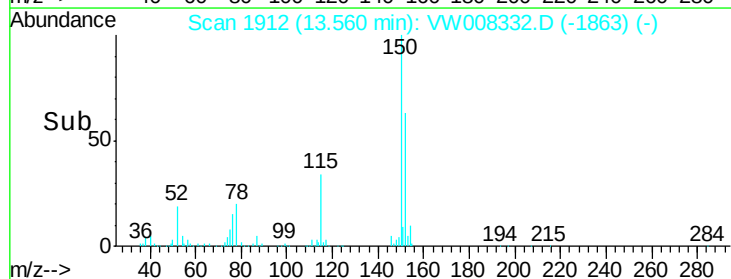
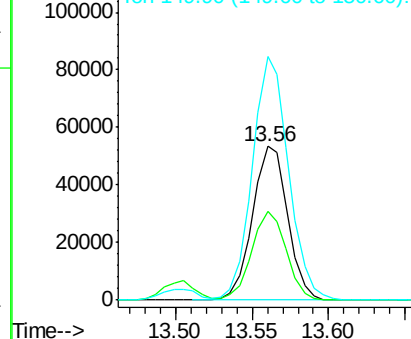
152 100

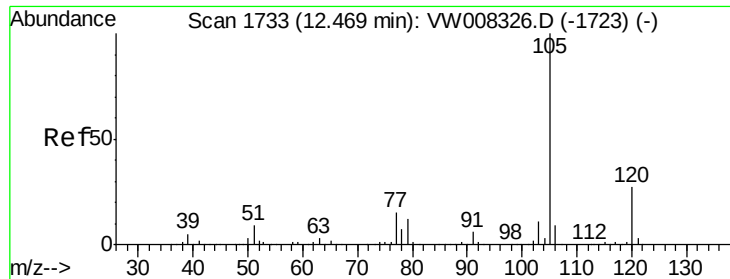
115 56.3 28.8 86.4

150 162.5 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.768 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBSD01

Tot Ion:105 Resp: 122996

Ion Ratio Lower Upper

105 100

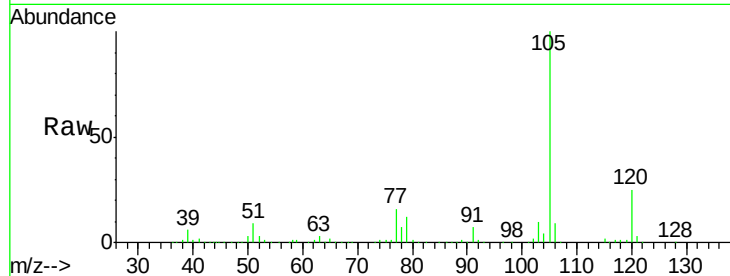
120 26.1 13.6 40.8

Manual Integrations

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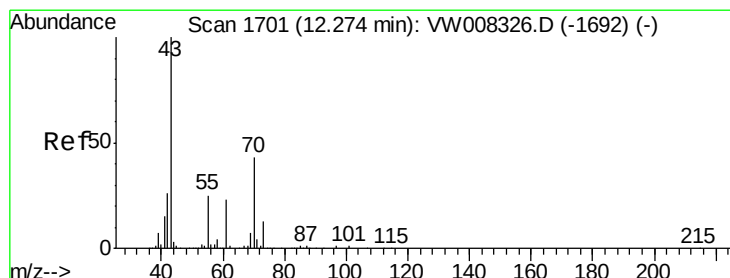
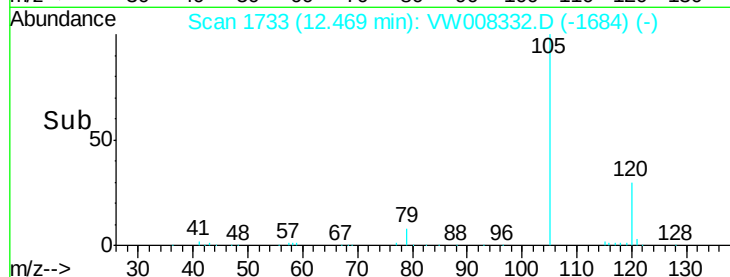
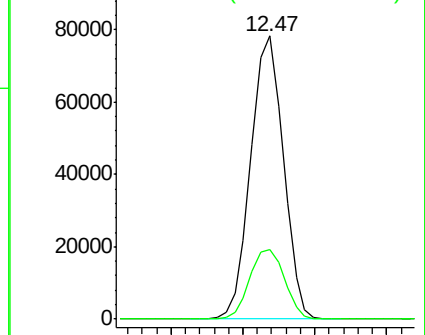
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.697 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion: 43 Resp: 26264

Ion Ratio Lower Upper

43 100

70 44.0 34.6 52.0

55 26.0 20.0 30.0

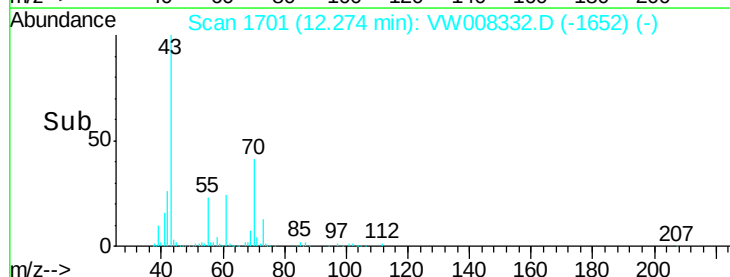
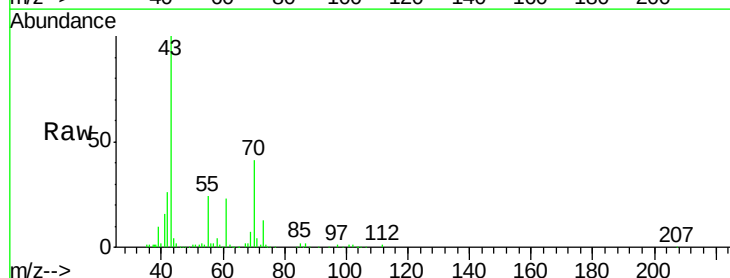
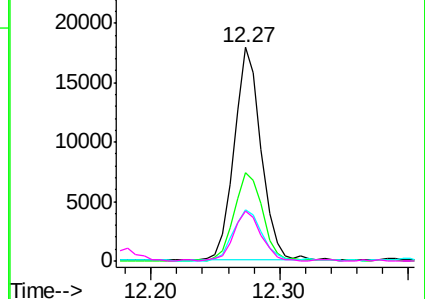
61 24.3 19.6 29.4

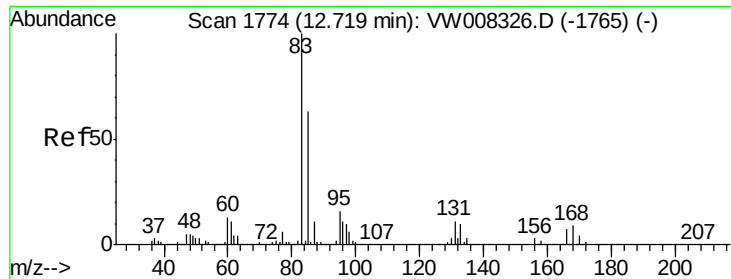
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.686 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

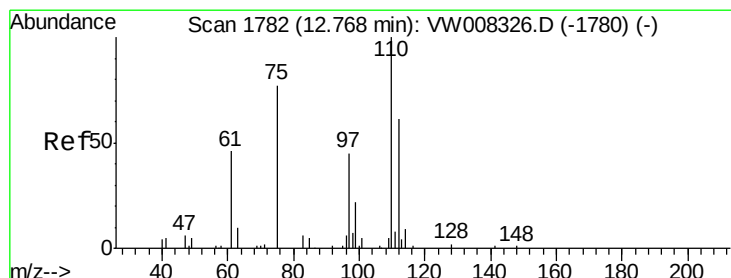
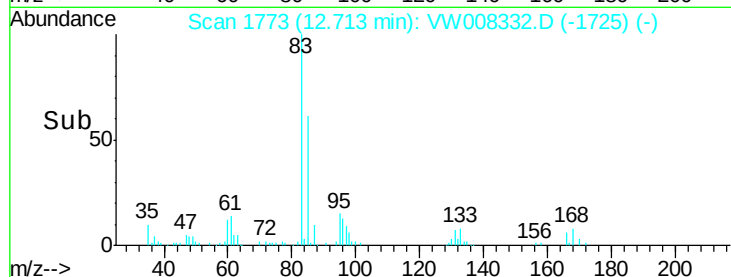
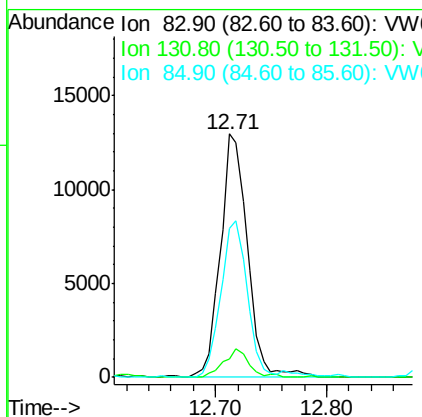
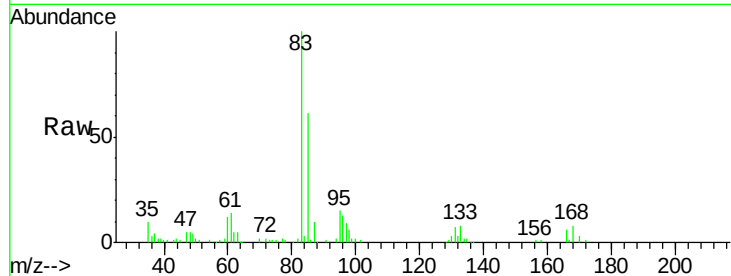
ClientSampleId :

VW0117SBSD01

Tot Ion:	83	Resp:	21892
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.5
85	62.5	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.637 ug/l m

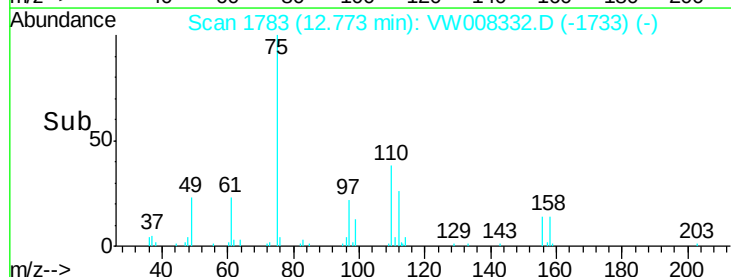
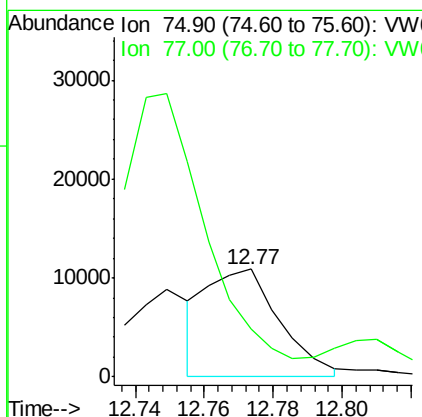
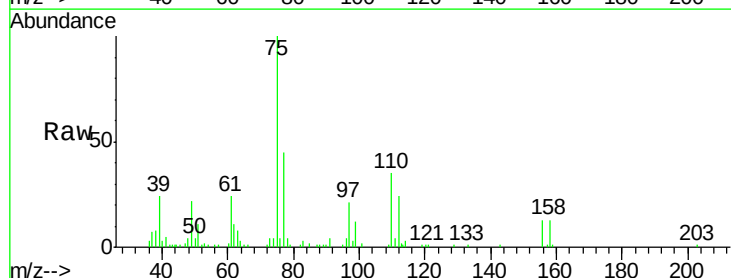
RT: 12.77 min Scan# 1783

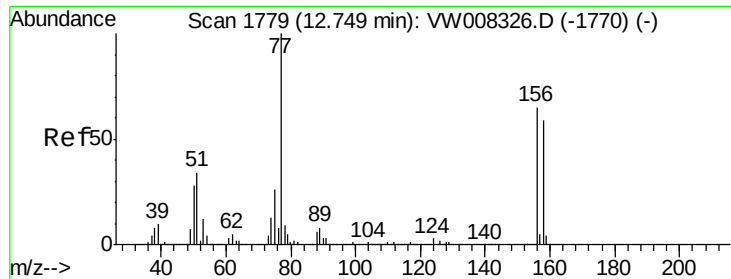
Delta R.T. 0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion:	75	Resp:	16048
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.3	526.1#





#77

Bromobenzene

Concen: 18.767 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

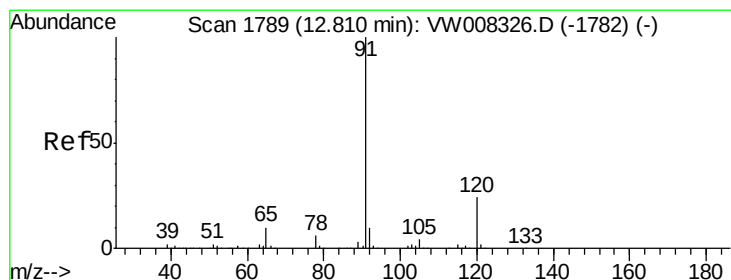
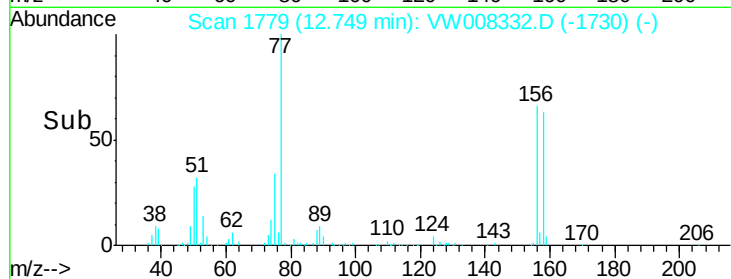
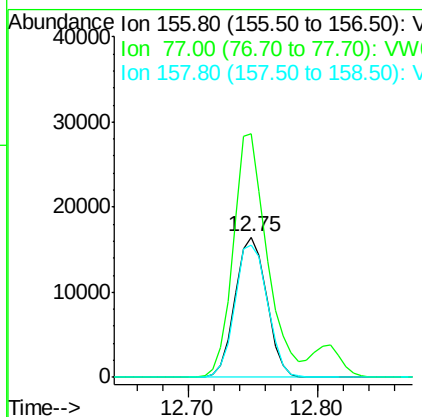
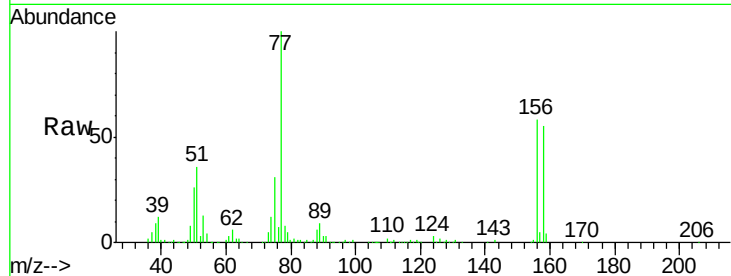
ClientSampleId :

VW0117SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		28047		
77	185.8	88.3	264.9		
158	97.7	47.6	142.8		

Manual Integrations
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#78

n-propylbenzene

Concen: 19.573 ug/l

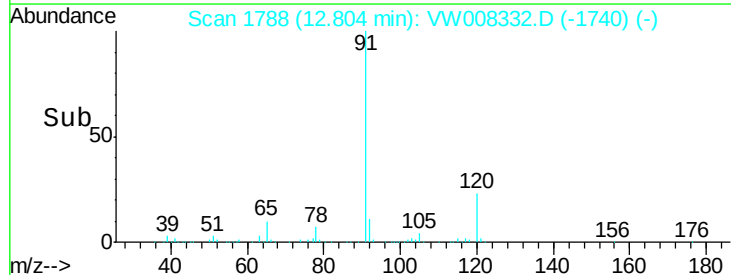
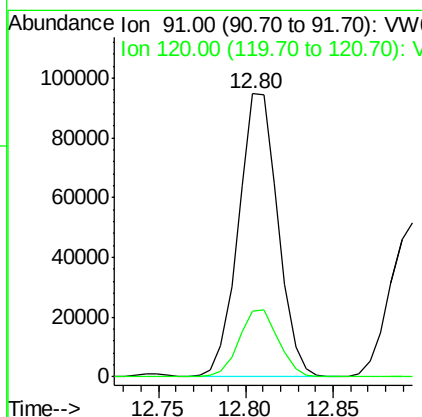
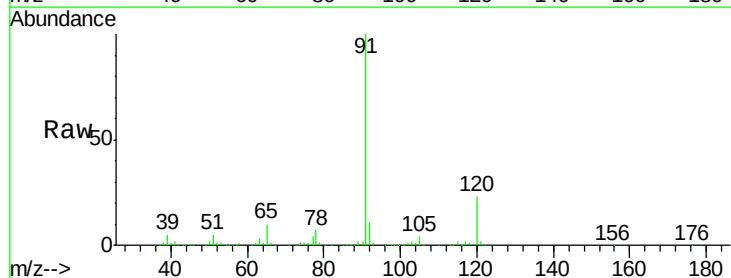
RT: 12.80 min Scan# 1788

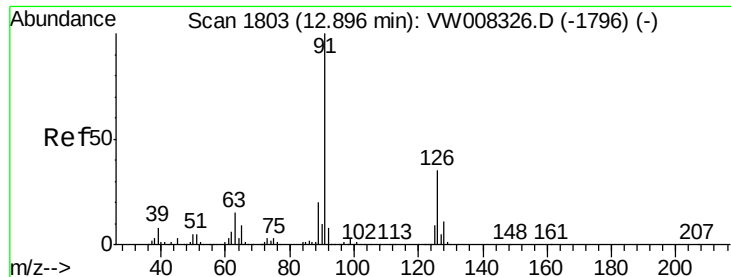
Delta R.T. -0.01 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		147406		
120	23.9	11.9	35.7		





#79

2-Chlorotoluene

Concen: 19.484 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBSD01

Tot Ion: 91 Resp: 83836

Ion Ratio Lower Upper

91 100

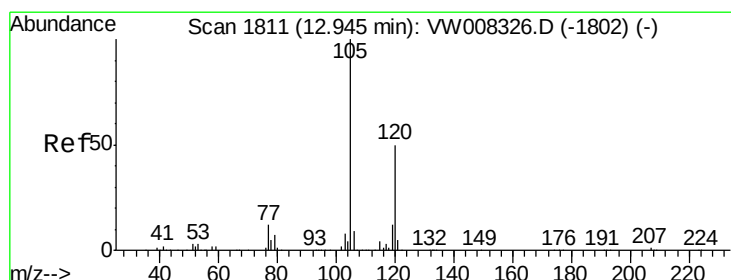
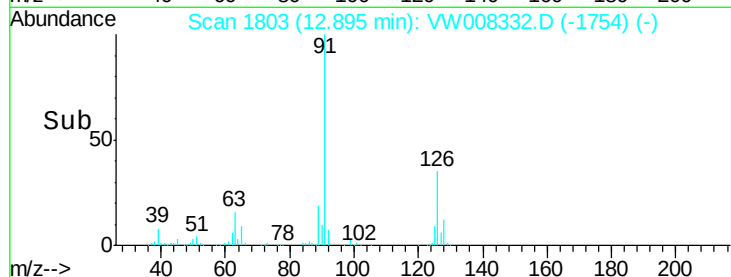
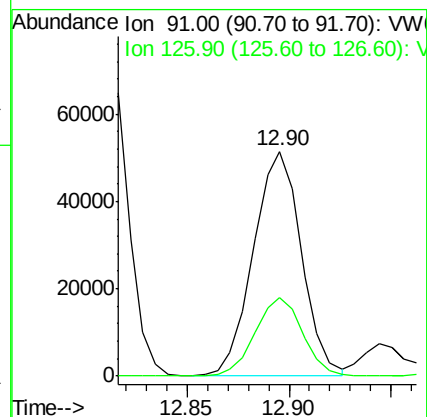
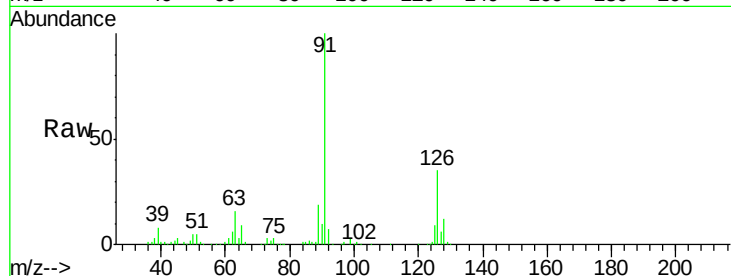
126 34.8 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.715 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008332.D

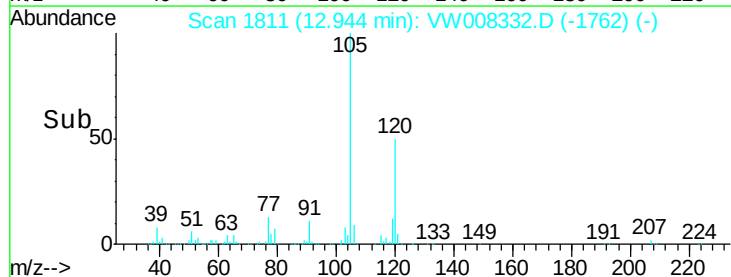
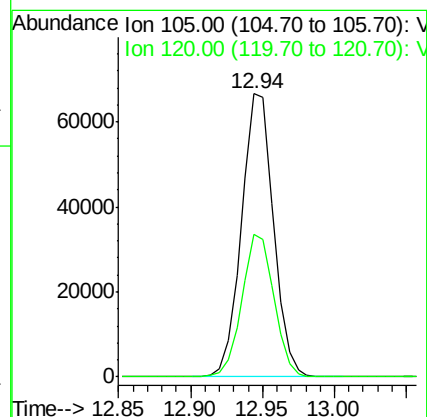
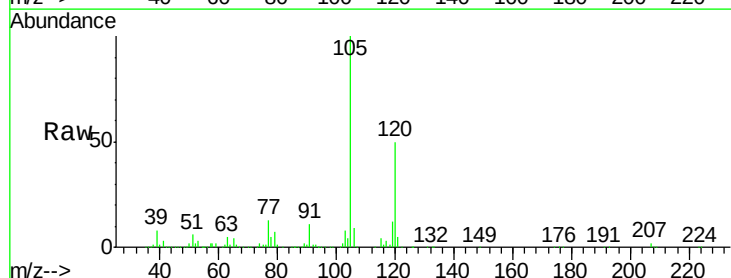
Acq: 17 Jan 2019 17:05

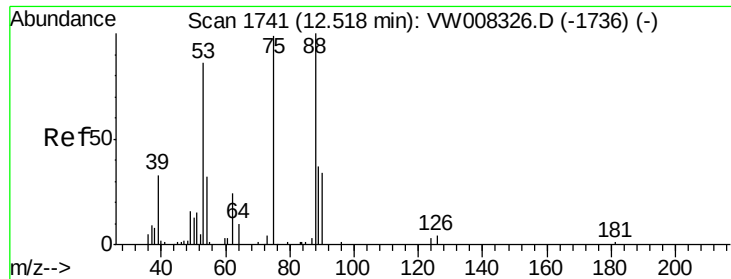
Tgt Ion:105 Resp: 102360

Ion Ratio Lower Upper

105 100

120 50.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.153 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Instrument :

MSVOA_W

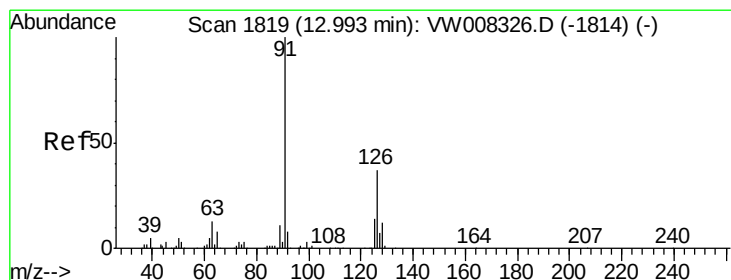
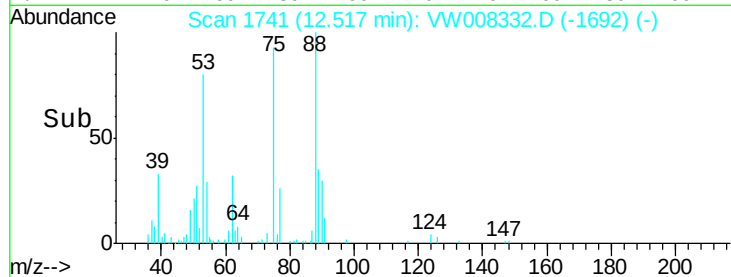
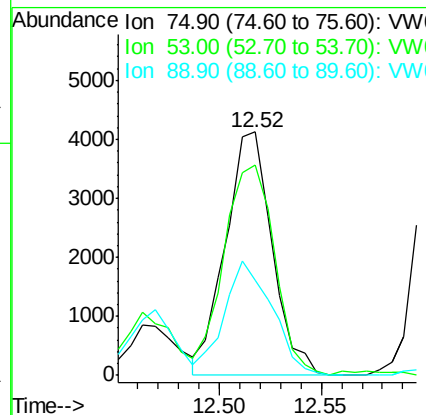
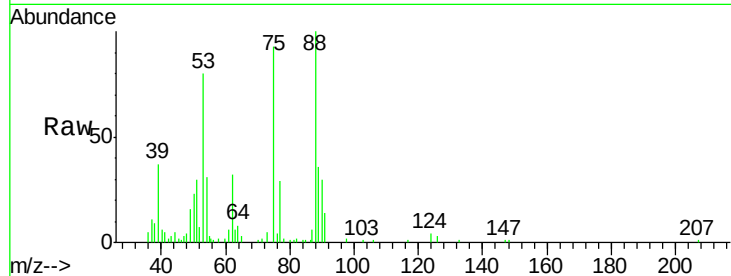
ClientSampleId :

VW0117SBSD01

Tot Ion:	75	Resp:	6567
Ion	Ratio	Lower	Upper
75	100		
53	93.5	76.2	114.4
89	48.5	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.673 ug/l

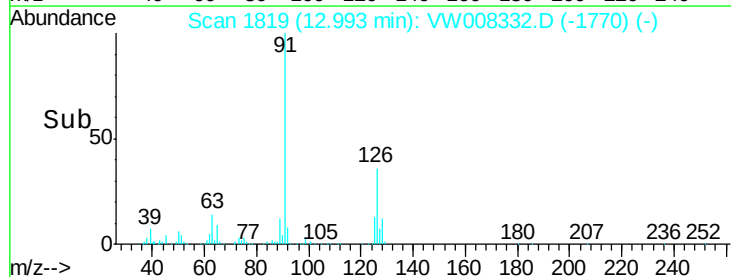
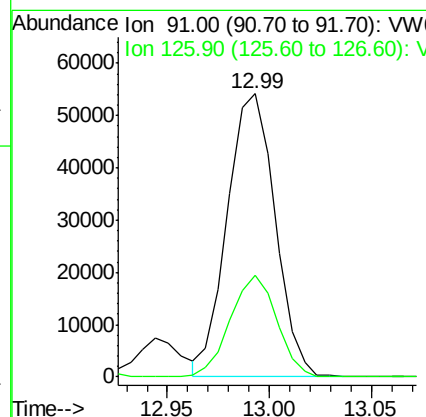
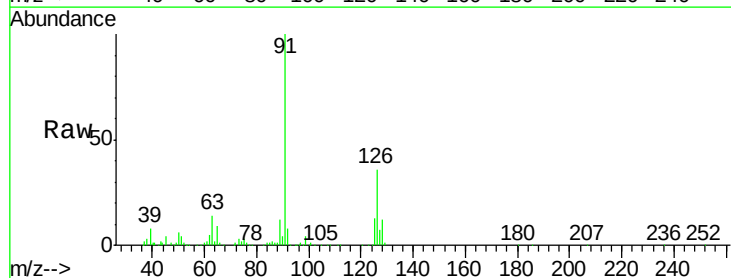
RT: 12.99 min Scan# 1819

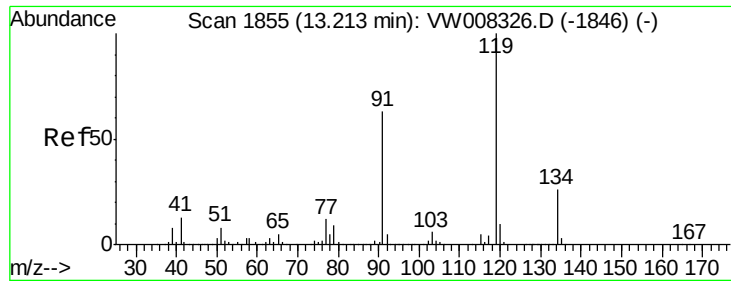
Delta R.T. -0.00 min

Lab File: VW008332.D

Acq: 17 Jan 2019 17:05

Tgt Ion:	91	Resp:	88458
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.8	53.3





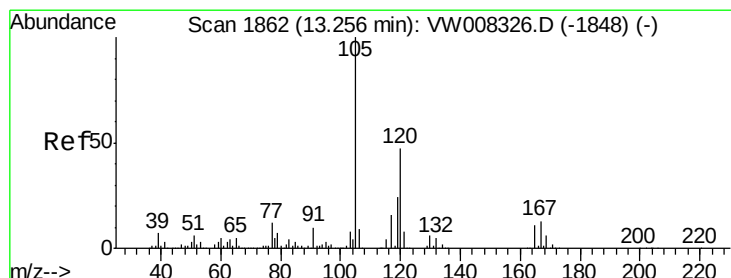
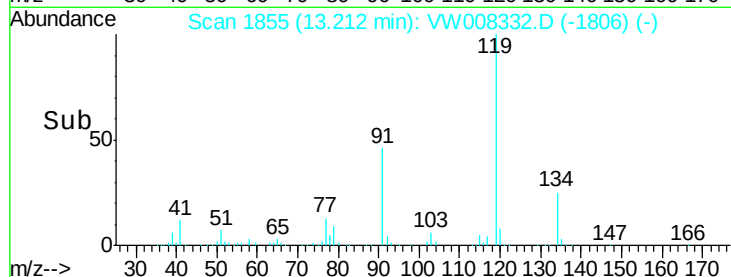
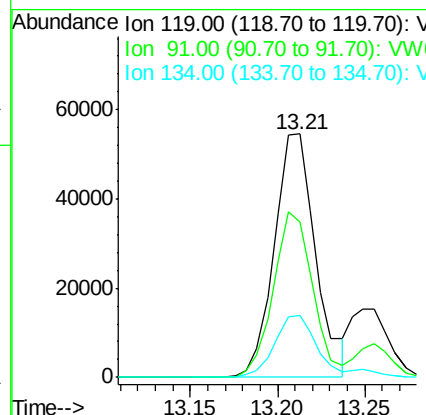
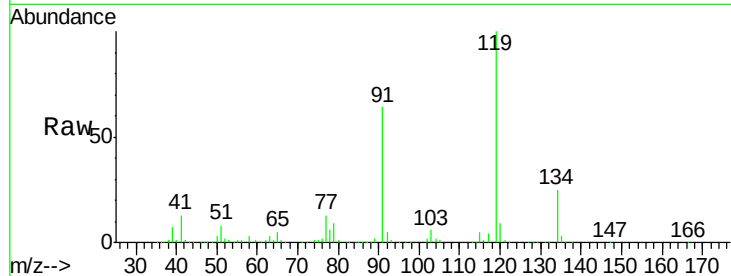
#83
tert-Butylbenzene
Concen: 19.708 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.4	97.0
134	25.9	13.9	41.7

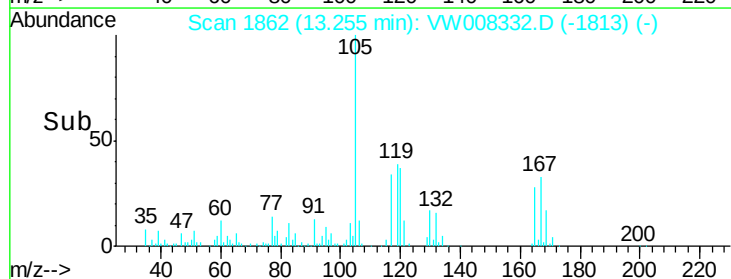
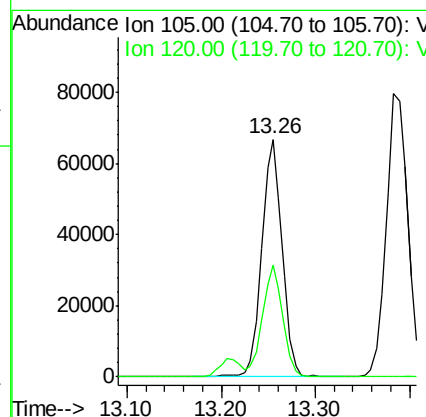
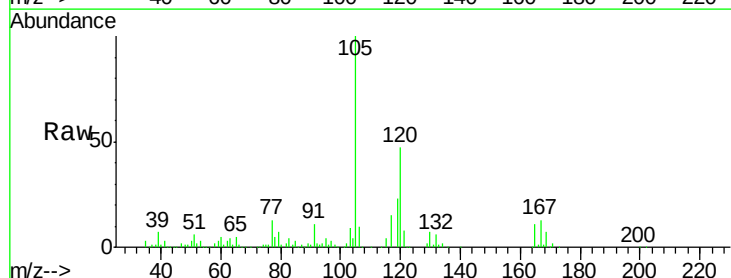
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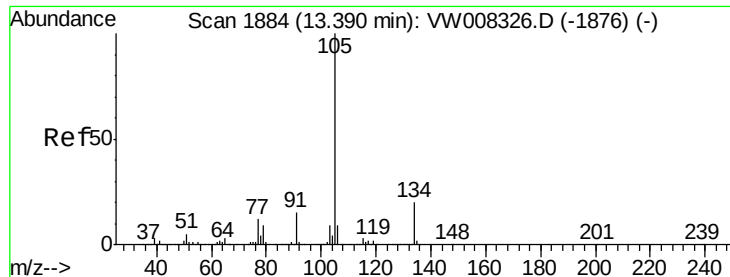
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.308 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.5	70.6





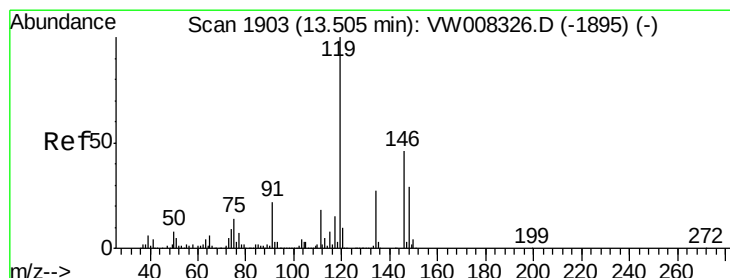
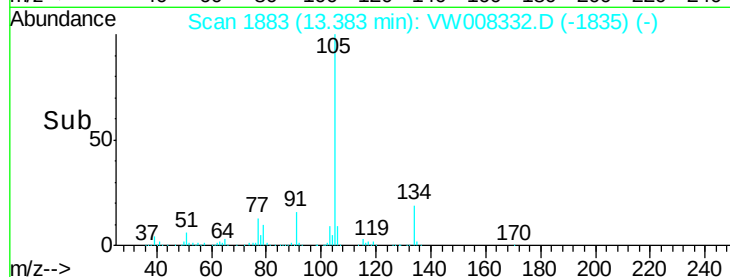
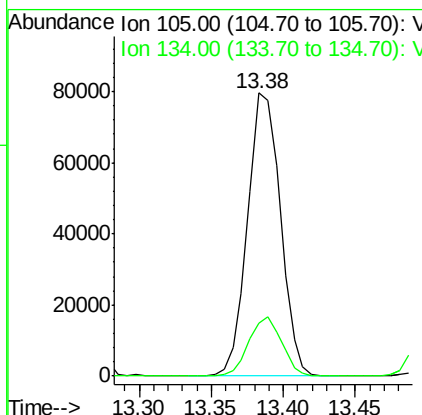
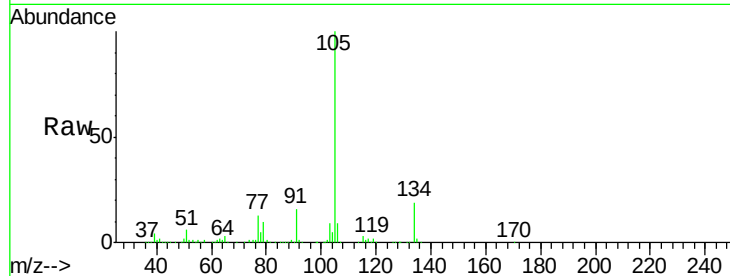
#85
 sec-Butylbenzene
 Concen: 19.177 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.1	30.3

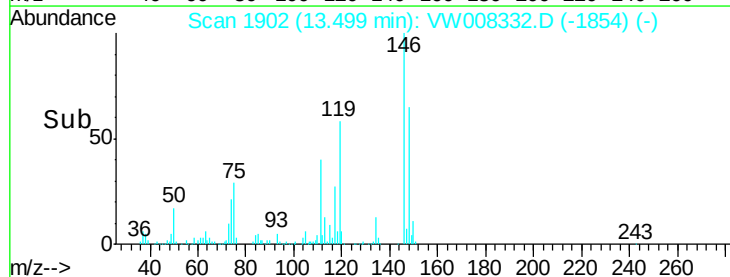
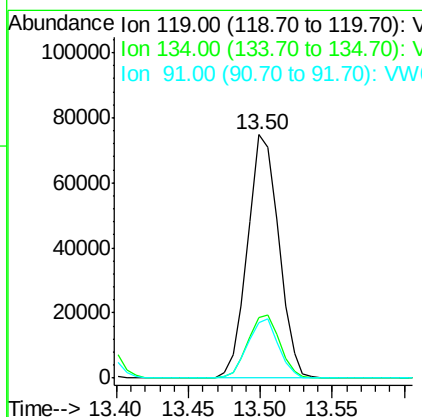
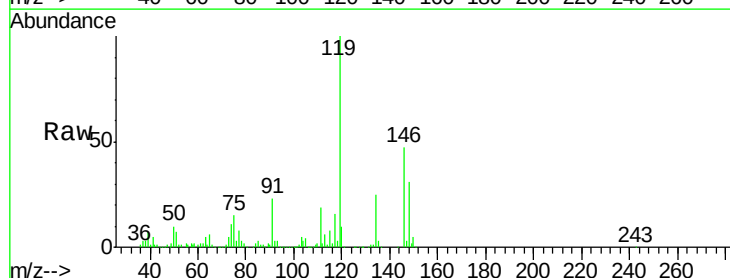
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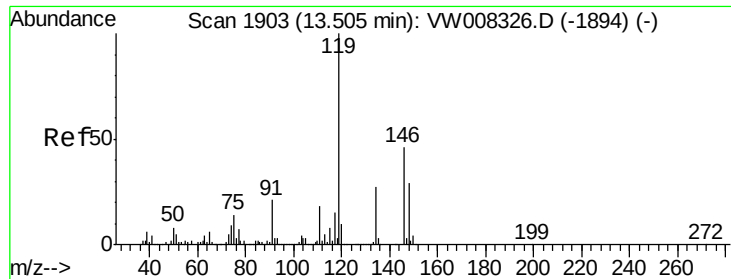
MMDadoda
 1/18/2019 2:10:09 PM



#86
 p-Isopropyltoluene
 Concen: 19.542 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.7	41.0
91	24.2	11.4	34.2





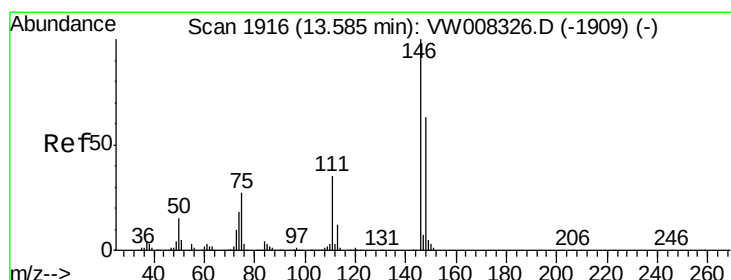
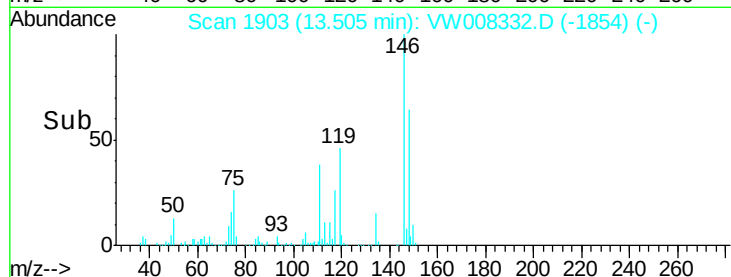
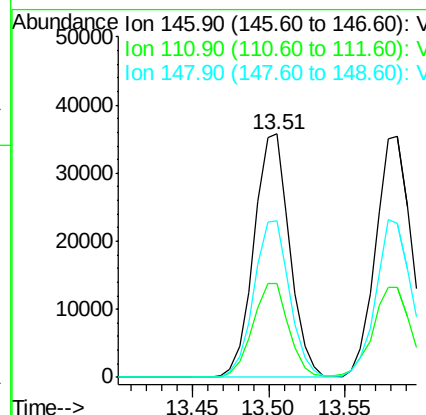
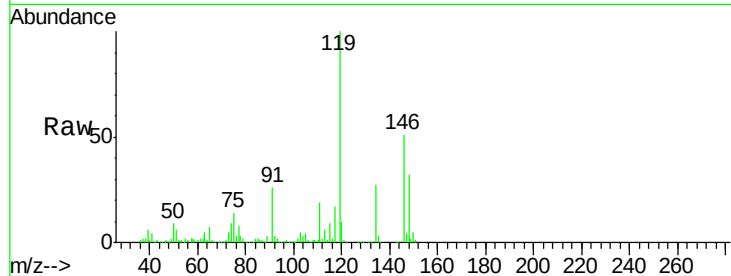
#87
 1,3-Dichlorobenzene
 Concen: 19.533 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.7
148	64.7	31.4	94.3

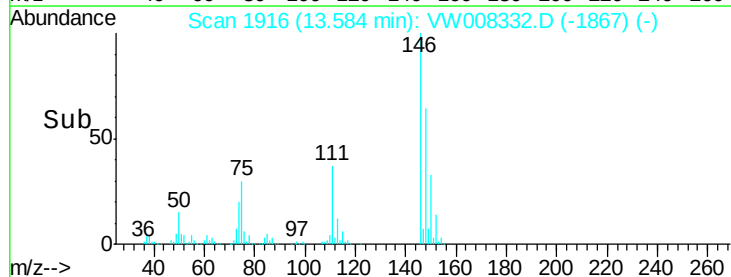
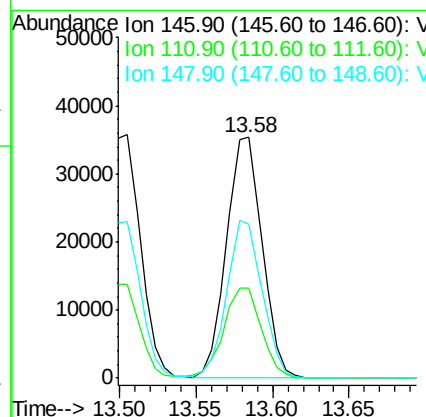
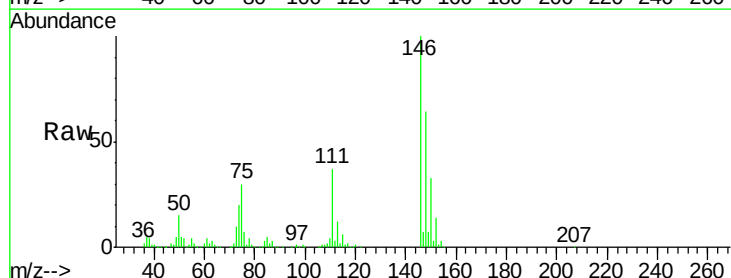
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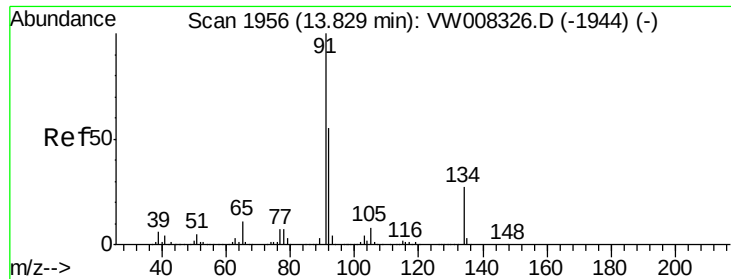
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#88
 1,4-Dichlorobenzene
 Concen: 19.258 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.9	56.5
148	64.9	31.6	94.8





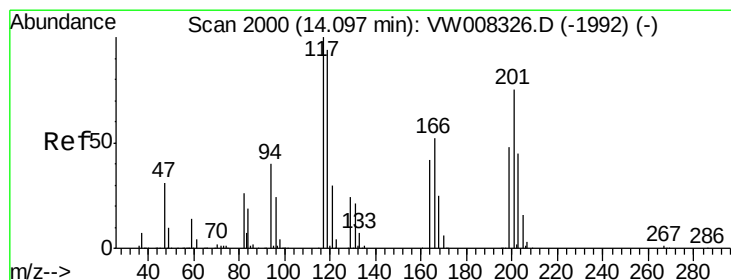
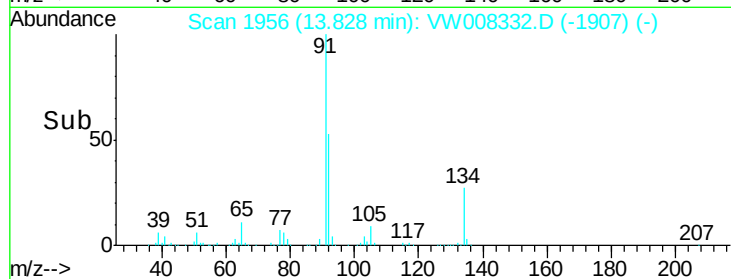
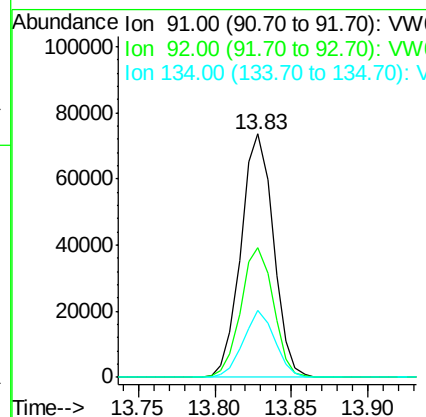
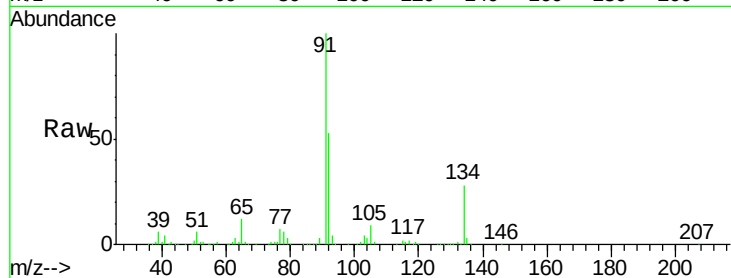
#89
n-Butylbenzene
Concen: 19.828 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleID :
VW0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	27.2	81.6	
134	26.6	13.4	40.1	

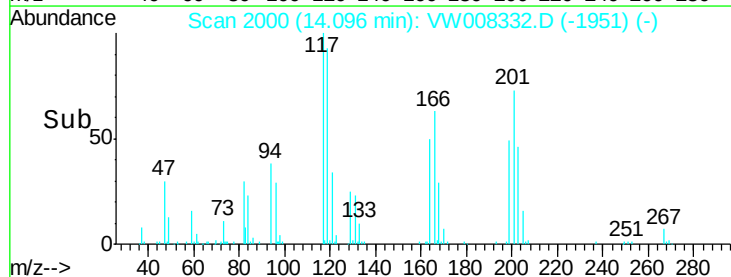
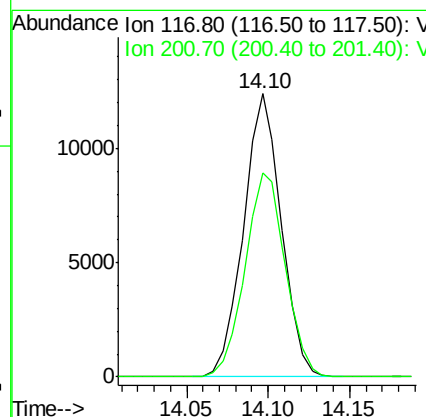
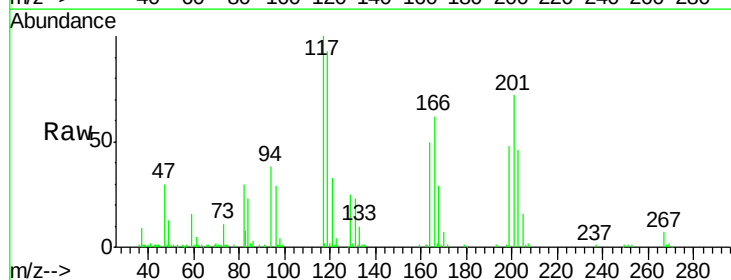
Manual Integrations
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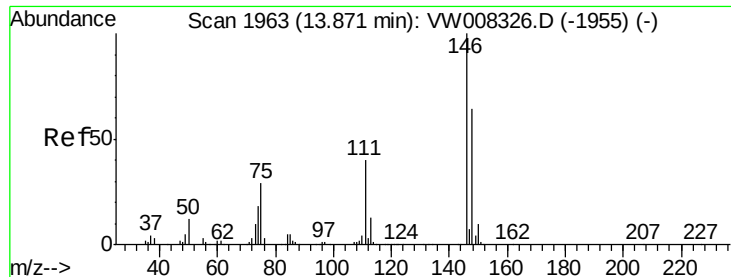
MMDadoda
1/18/2019 2:10:09 PM



#90
Hexachloroethane
Concen: 18.754 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.7	39.3	117.9	





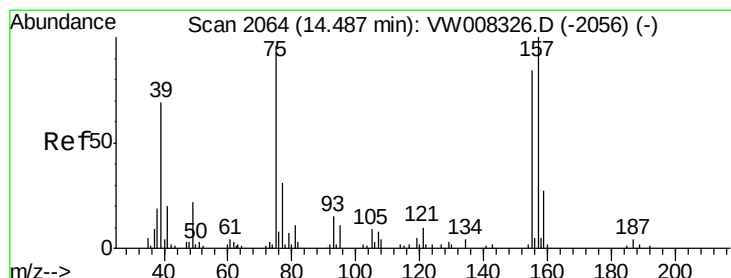
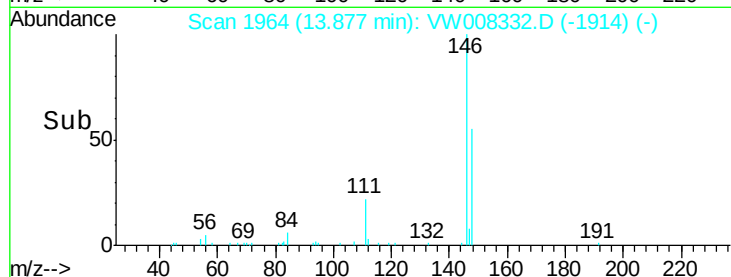
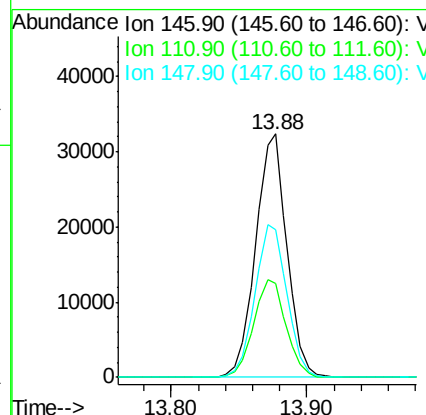
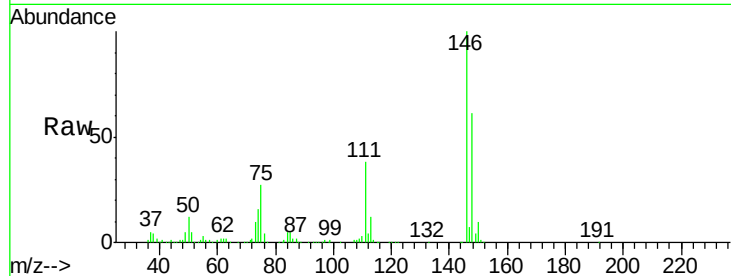
#91
 1,2-Dichlorobenzene
 Concen: 19.932 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.6	58.8
148	63.9	31.7	95.1

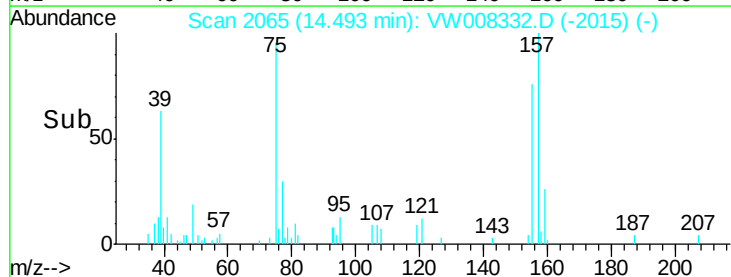
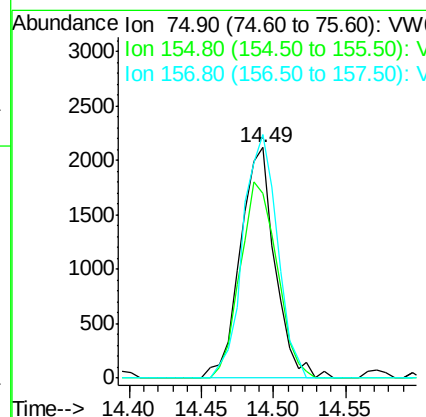
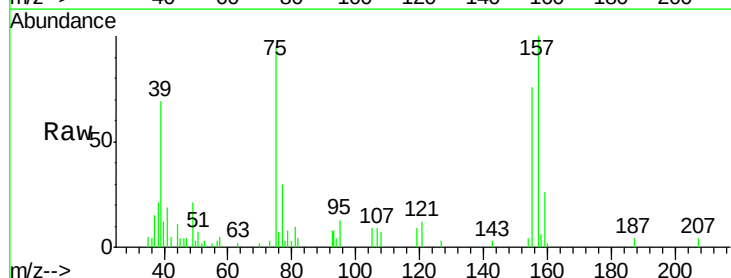
Manual Integrations
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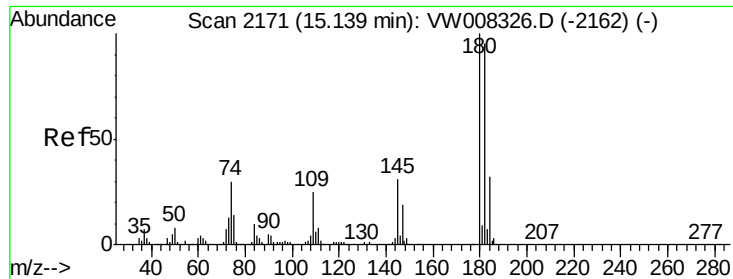
MMDadoda
 1/18/2019 2:10:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.468 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	44.7	134.1
157	104.5	53.9	161.8





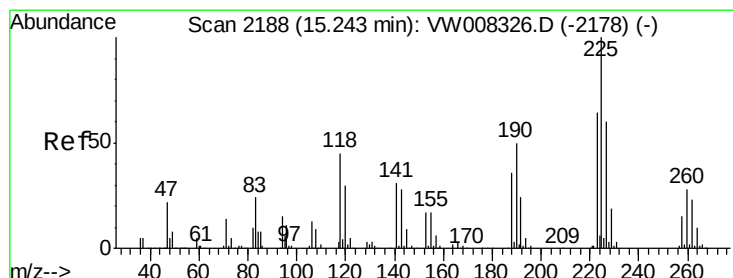
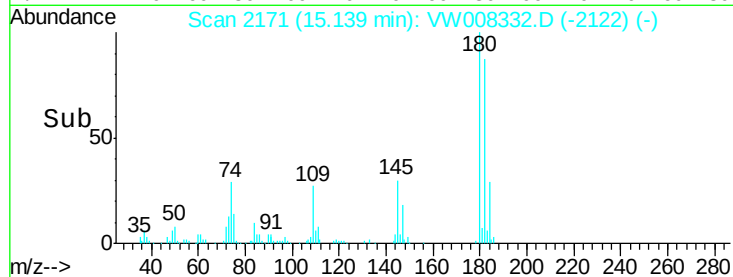
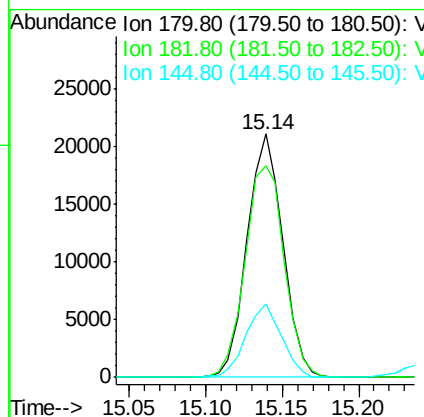
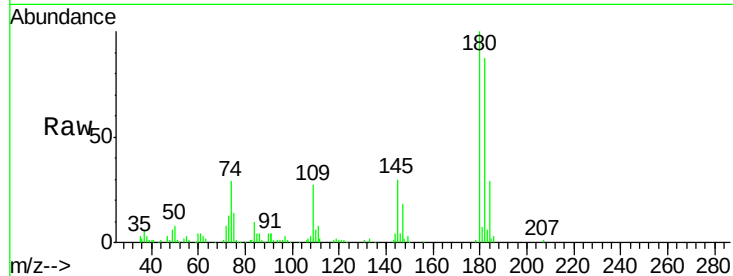
#93
 1,2,4-Trichlorobenzene
 Concen: 19.309 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	30.2	14.8	44.4

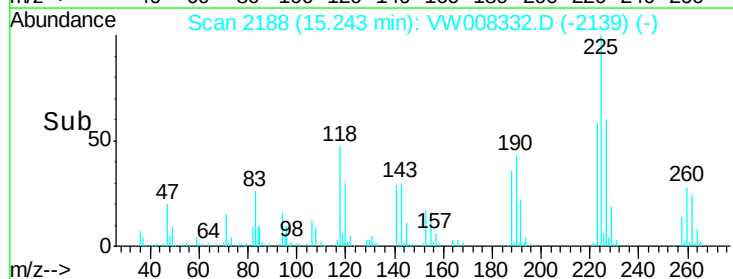
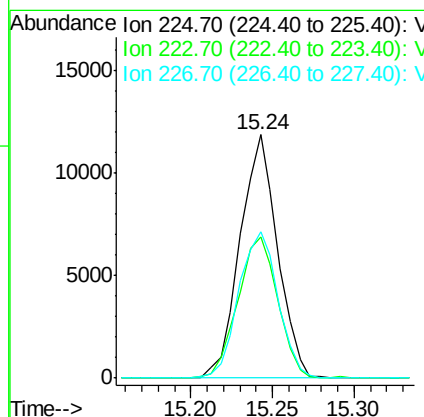
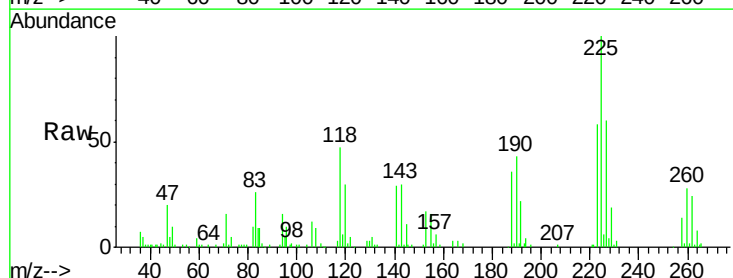
Manual Integrations
 APPROVED

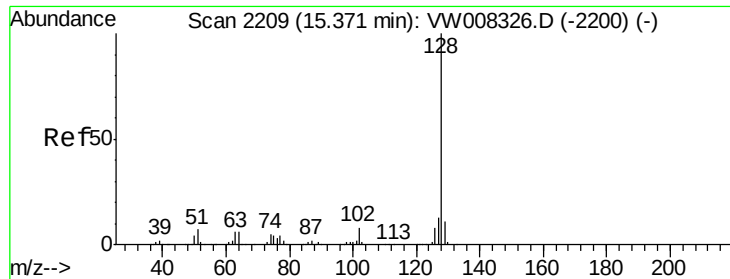
MMDadoda
 1/18/2019 2:10:09 PM



#94
 Hexachlorobutadiene
 Concen: 18.933 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008332.D
 Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.1	93.3
227	63.4	30.3	90.8





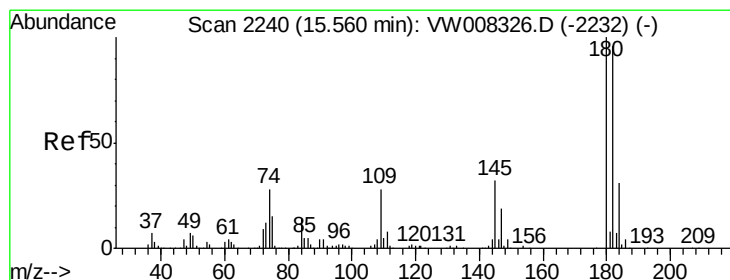
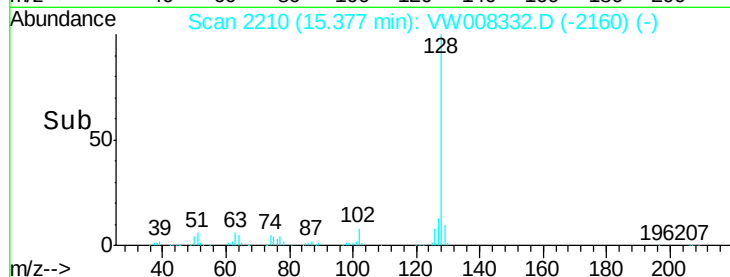
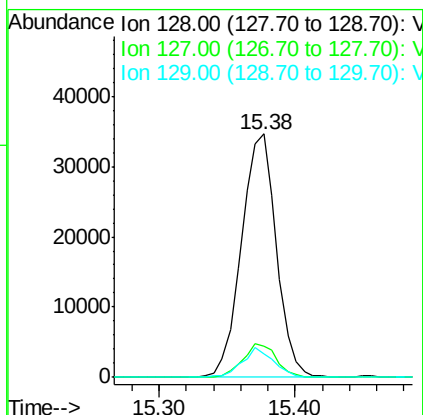
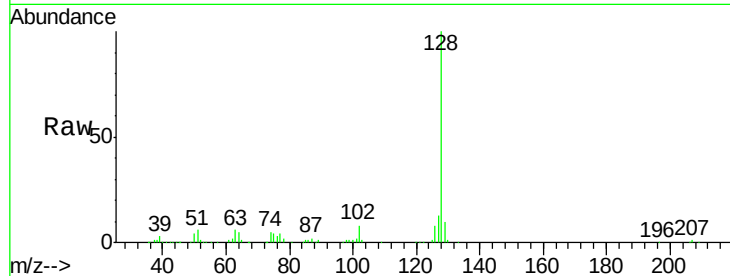
#95
Naphthalene
Concen: 20.377 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.152 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008332.D
Acq: 17 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.3	141.9
145	32.2	16.2	48.6

