

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012219\
 Data File : VW008391.D
 Acq On : 22 Jan 2019 16:22
 Operator : SY/VA
 Sample : VW0122SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:42:41 AM

Quant Time: Jan 23 02:53:12 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	112180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	193741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	183063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	59329	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.88	113	59613	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.32	98	254197	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.62	95	87365	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	14643	20.716	ug/l	97
3) Chloromethane	2.21	50	20542	19.825	ug/l	95
4) Vinyl Chloride	2.37	62	28945	21.863	ug/l	94
5) Bromomethane	2.78	94	23261	23.184	ug/l	96
6) Chloroethane	2.93	64	20121	23.219	ug/l	99
7) Trichlorofluoromethane	3.25	101	23892	24.578	ug/l	92
8) Diethyl Ether	3.67	74	14120	20.947	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21713	19.185	ug/l	95
10) Methyl Iodide	4.26	142	29345	16.077	ug/l	98
11) Tert butyl alcohol	5.19	59	6306	80.260	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	21199	18.417	ug/l	92
13) Acrolein	3.90	56	4547	61.917	ug/l	95
14) Allyl chloride	4.66	41	36764	19.105	ug/l	98
15) Acrylonitrile	5.37	53	22879	88.357	ug/l	93
16) Acetone	4.12	43	25137	92.755	ug/l	97
17) Carbon Disulfide	4.37	76	58262	16.634	ug/l	99
18) Methyl Acetate	4.67	43	14181	19.589	ug/l #	90
19) Methyl tert-butyl Ether	5.43	73	33193	18.838	ug/l	97
20) Methylene Chloride	4.90	84	26916	19.221	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	24913	19.271	ug/l	96
22) Diisopropyl ether	6.31	45	76521	20.368	ug/l #	96
23) Vinyl Acetate	6.26	43	191464	95.341	ug/l	97
24) 1,1-Dichloroethane	6.21	63	47326	20.689	ug/l #	97
25) 2-Butanone	7.17	43	32412	93.379	ug/l	98
26) 2,2-Dichloropropane	7.16	77	30311	20.764	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	26664	19.036	ug/l	94
28) Bromochloromethane	7.51	49	19654	20.855	ug/l #	100
29) Tetrahydrofuran	7.52	42	19809	91.543	ug/l	98
30) Chloroform	7.67	83	46471	20.533	ug/l	95
31) Cyclohexane	7.95	56	43543	19.979	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	39252	20.665	ug/l	98
36) 1,1-Dichloropropene	8.08	75	37273	19.122	ug/l	99
37) Ethyl Acetate	7.26	43	13136	16.342	ug/l	98
38) Carbon Tetrachloride	8.06	117	36134	18.773	ug/l #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	44102	19.021	ug/l	97
40) Benzene	8.32	78	106865	19.354	ug/l	96
41) Methacrylonitrile	7.48	41	7811	16.693	ug/l	94
42) 1,2-Dichloroethane	8.40	62	29080	18.835	ug/l	98
43) Isopropyl Acetate	8.42	43	26798	17.650	ug/l	98
44) Trichloroethene	9.09	130	27645	18.275	ug/l	96
45) 1,2-Dichloropropane	9.37	63	27077	19.742	ug/l	100
46) Dibromomethane	9.46	93	13082	18.301	ug/l	92
47) Bromodichloromethane	9.65	83	34637	19.644	ug/l	99
48) Methyl methacrylate	9.43	41	13266	18.560	ug/l	96
49) 1,4-Dioxane	9.46	88	4099	356.210	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	69369	90.228	ug/l	97
52) Toluene	10.39	92	69268	19.824	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	33074	18.794	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	39520	19.050	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	19056	19.220	ug/l	93
56) Ethyl methacrylate	10.65	69	20665	17.748	ug/l	99
57) 1,3-Dichloropropane	10.93	76	32398	18.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	56253	100.157	ug/l	98
59) 2-Hexanone	10.97	43	49377	91.663	ug/l	98
60) Dibromochloromethane	11.13	129	21652	18.298	ug/l	99
61) 1,2-Dibromoethane	11.24	107	17305	18.025	ug/l	98
64) Tetrachloroethene	10.87	164	22515	17.540	ug/l	94
65) Chlorobenzene	11.66	112	74977	18.777	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	24988	18.182	ug/l	98
67) Ethyl Benzene	11.73	91	131808	19.011	ug/l	100
68) m/p-Xylenes	11.84	106	105403	39.168	ug/l	99
69) o-Xylene	12.17	106	47954	19.073	ug/l	99
70) Styrene	12.18	104	77972	19.308	ug/l	99
71) Bromoform	12.35	173	11995	17.521	ug/l #	99
73) Isopropylbenzene	12.47	105	136146	19.946	ug/l	100
74) N-amyl acetate	12.27	43	24283	16.600	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	21255	18.307	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	15514m	18.185	ug/l	
77) Bromobenzene	12.75	156	29548	18.022	ug/l	95
78) n-propylbenzene	12.81	91	165320	20.010	ug/l	99
79) 2-Chlorotoluene	12.90	91	91512	19.386	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	114151	20.041	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	6255	17.497	ug/l	93
82) 4-Chlorotoluene	12.99	91	98528	19.974	ug/l	99
83) tert-Butylbenzene	13.21	119	99520	19.851	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	117513	20.252	ug/l	99
85) sec-Butylbenzene	13.39	105	147490	20.491	ug/l	100
86) p-Isopropyltoluene	13.51	119	128739	20.478	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	62973	19.331	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	62498	19.150	ug/l	98
89) n-Butylbenzene	13.83	91	126117	20.914	ug/l	99
90) Hexachloroethane	14.10	117	23523	20.219	ug/l	85
91) 1,2-Dichlorobenzene	13.87	146	54501	18.949	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3448	18.162	ug/l	86

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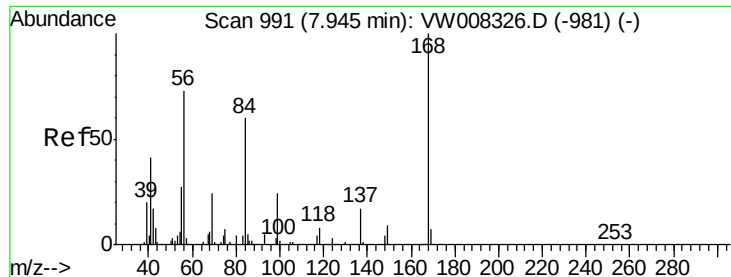
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	32990	16.944	ug/l	95
94) Hexachlorobutadiene	15.24	225	19470	17.744	ug/l	97
95) Naphthalene	15.38	128	55132	16.947	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	29018	17.111	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion:168 Resp: 112180

Ion Ratio Lower Upper

168 100

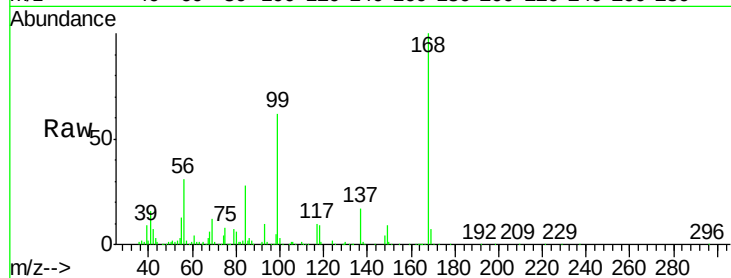
99 62.2 44.6 66.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

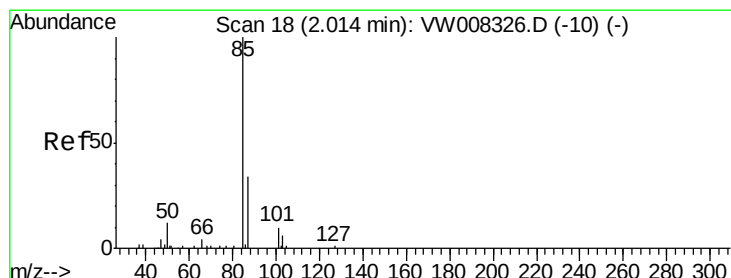
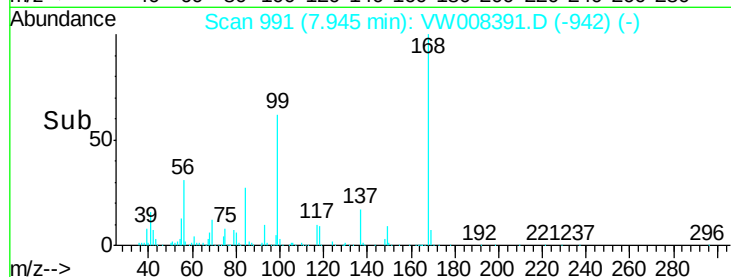
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.716 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008391.D

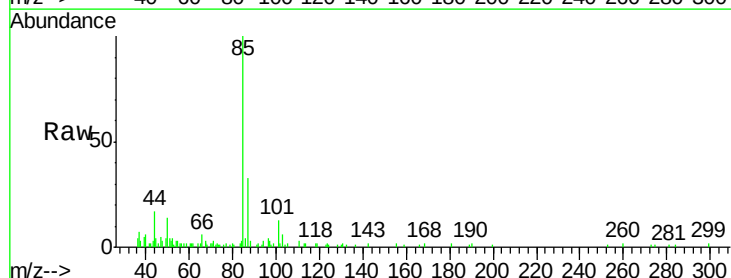
Acq: 22 Jan 2019 16:22

Tgt Ion: 85 Resp: 14643

Ion Ratio Lower Upper

85 100

87 32.1 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

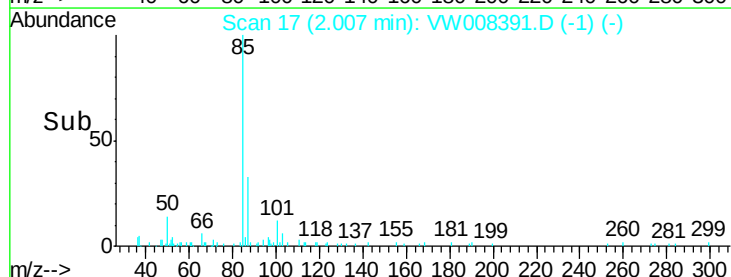
3000

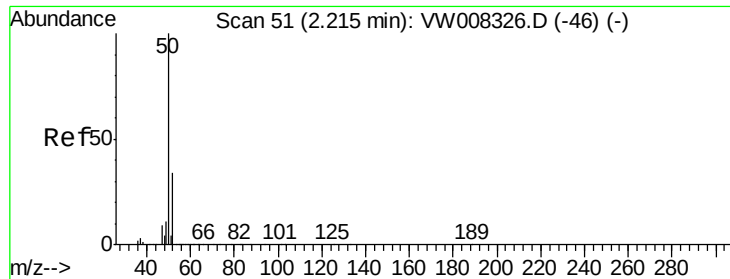
2000

1000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.825 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 50 Resp: 20542

Ion Ratio Lower Upper

50 100

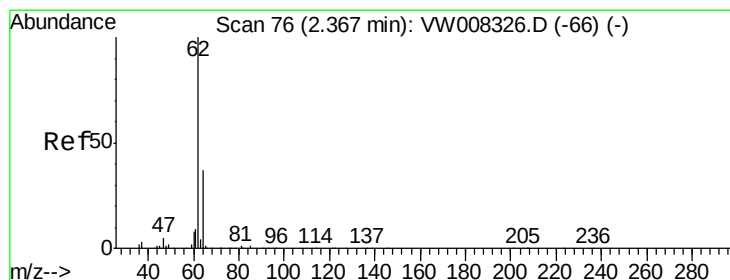
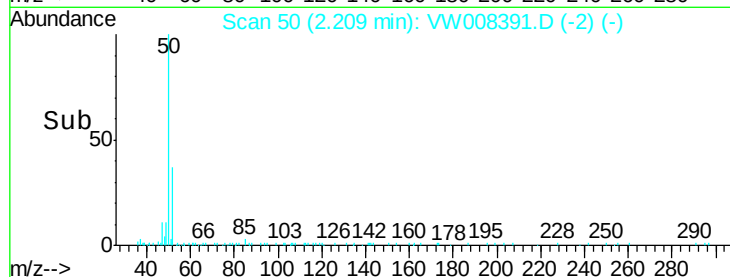
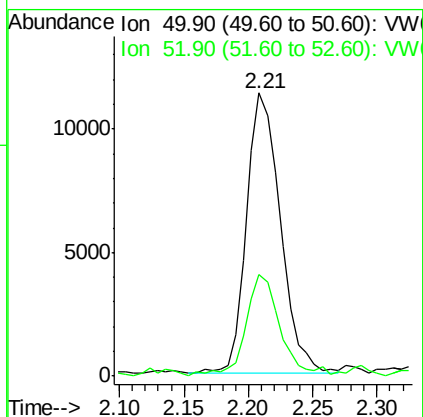
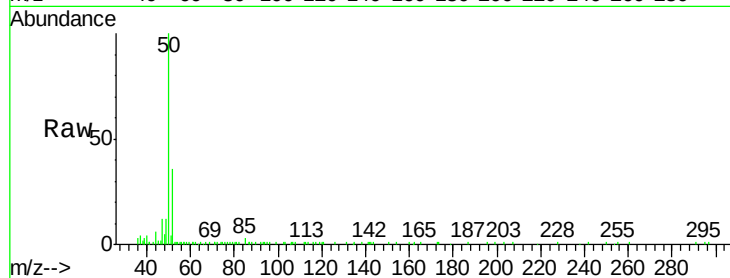
52 36.4 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.863 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008391.D

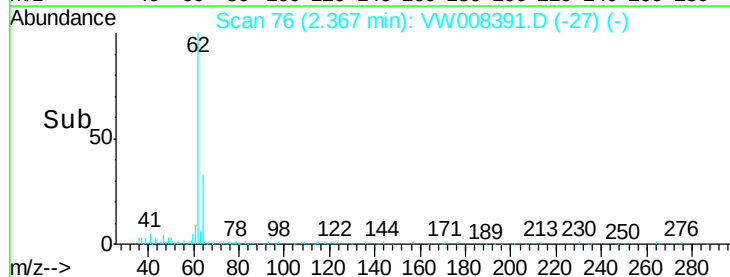
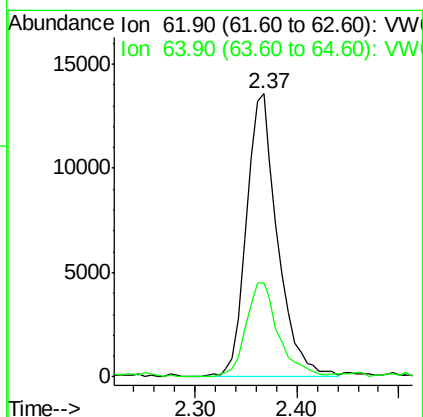
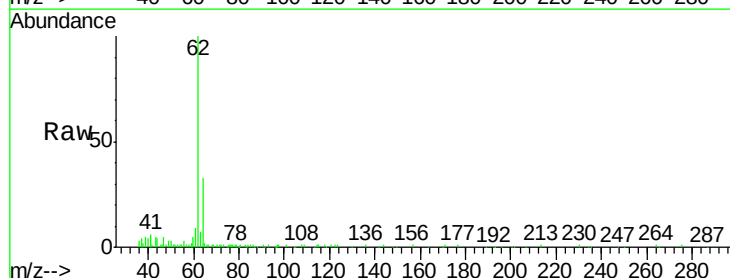
Acq: 22 Jan 2019 16:22

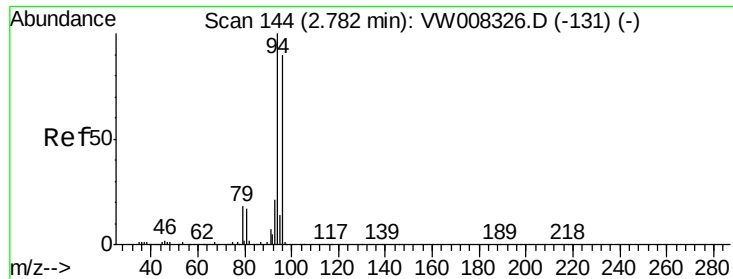
Tgt Ion: 62 Resp: 28945

Ion Ratio Lower Upper

62 100

64 33.3 29.4 44.2





#5

Bromomethane

Concen: 23.184 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBS01

Tot Ion: 94 Resp: 23261

Ion Ratio Lower Upper

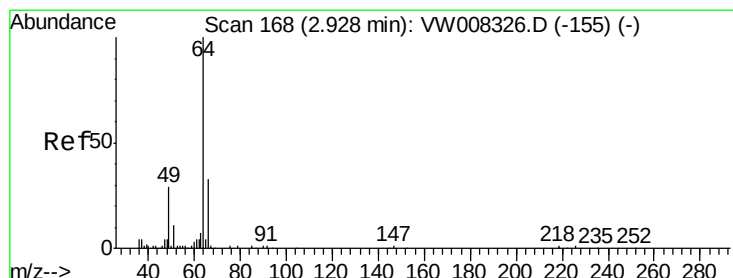
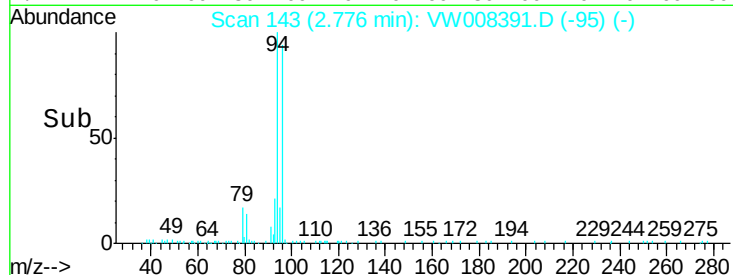
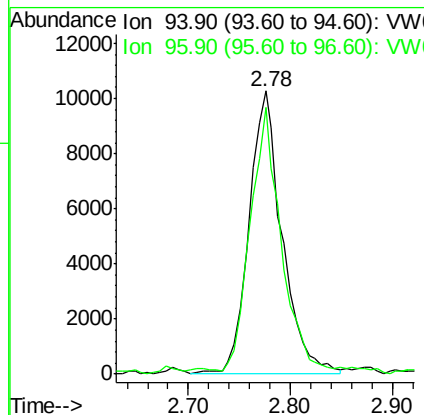
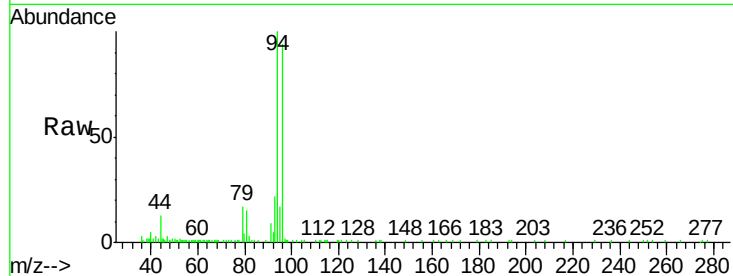
94 100

96 92.7 71.4 107.0

Manual Integrations
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#6

Chloroethane

Concen: 23.219 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW008391.D

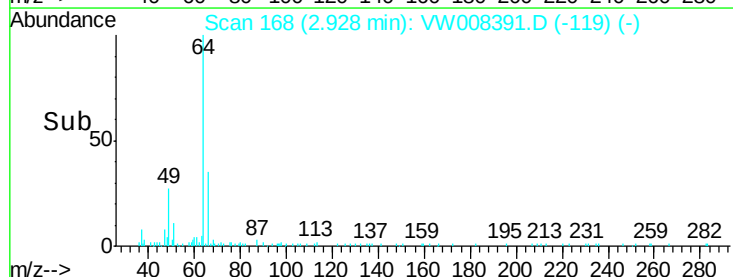
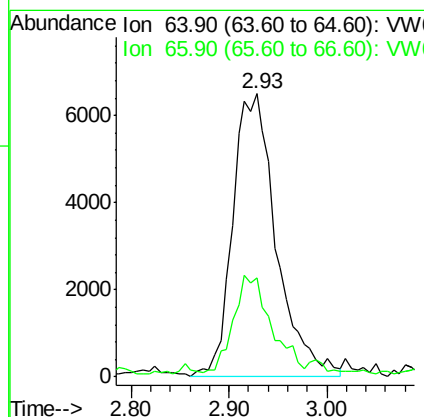
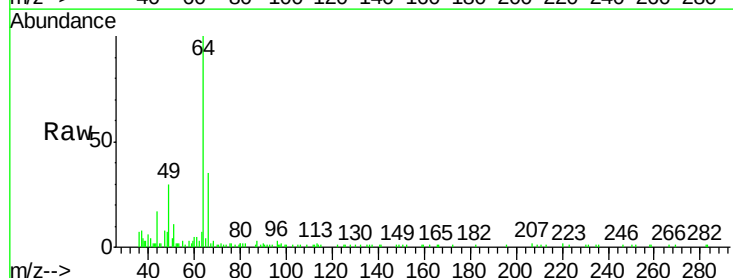
Acq: 22 Jan 2019 16:22

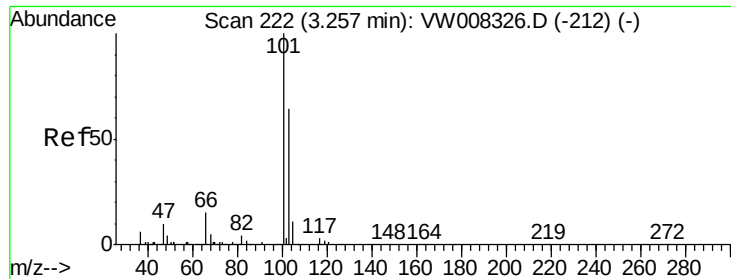
Tgt Ion: 64 Resp: 20121

Ion Ratio Lower Upper

64 100

66 33.4 26.2 39.4





#7

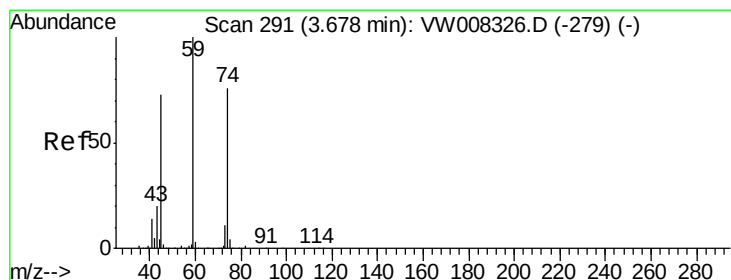
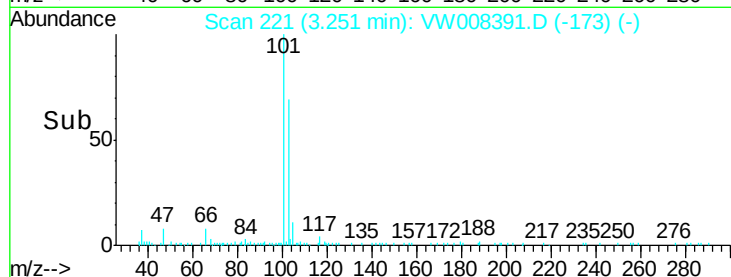
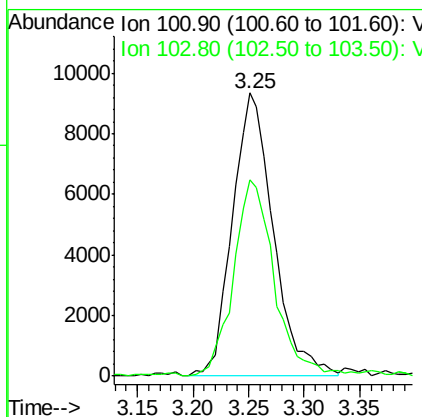
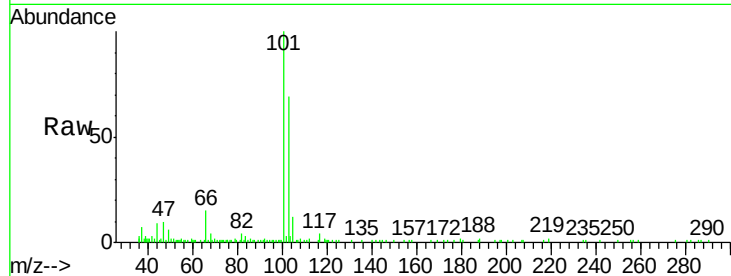
Trichlorofluoromethane
Concen: 24.578 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008391.D
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Instrument :
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ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.1	50.9	76.3

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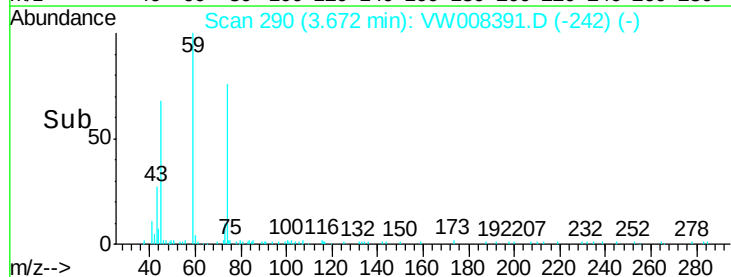
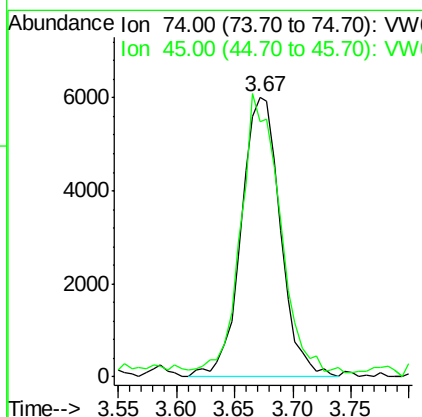
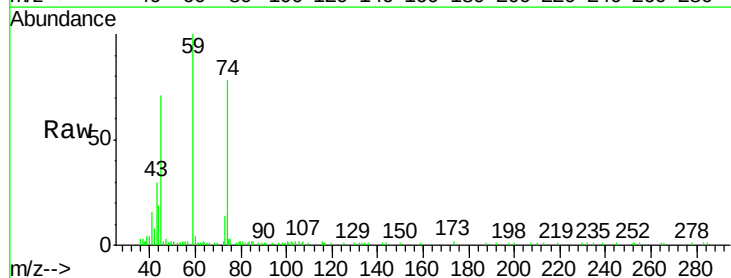
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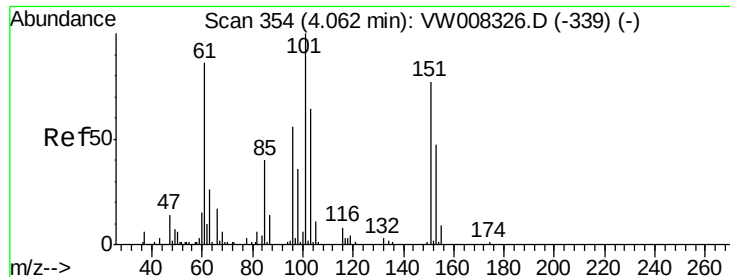


#8

Diethyl Ether
Concen: 20.947 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	50.1	150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.185 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

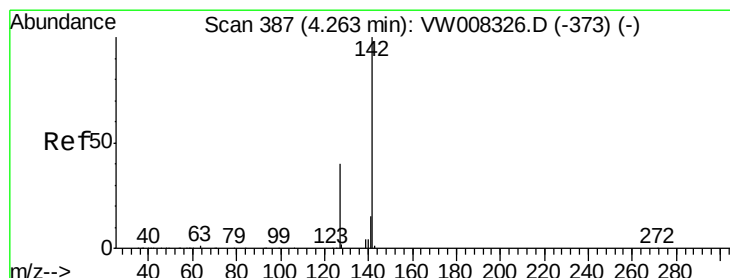
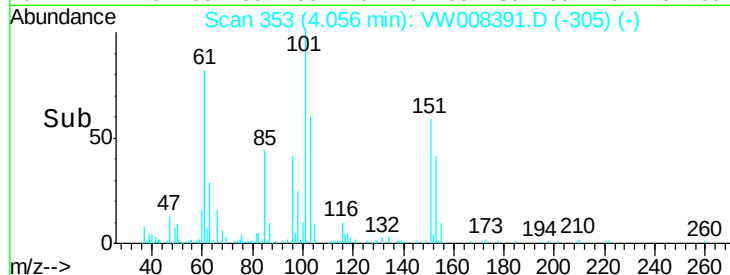
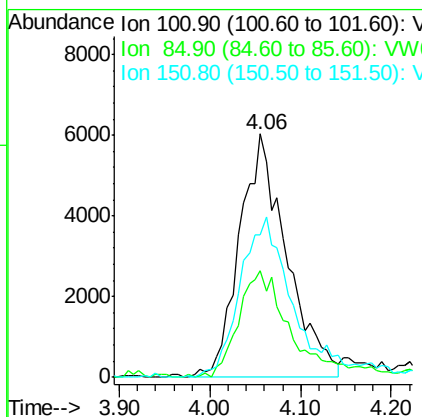
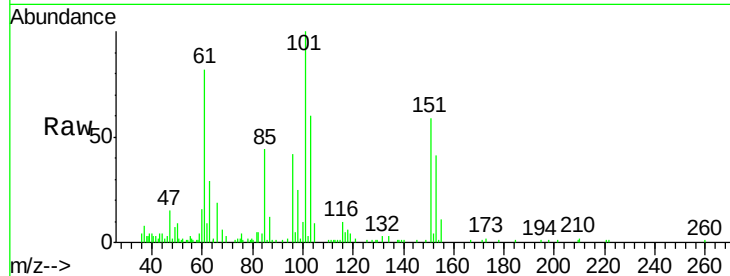
ClientSampleId :

VW0122SBS01

Tot Ion:	101	Resp:	21713
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.0	54.0
151	73.0	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.077 ug/l

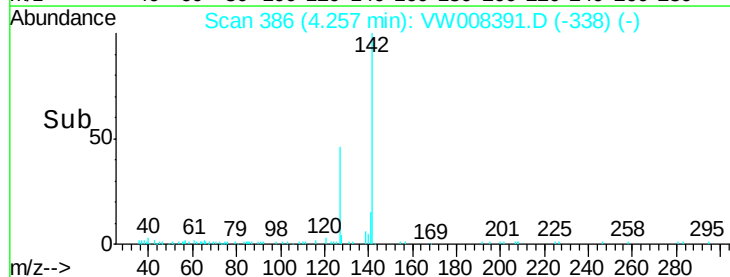
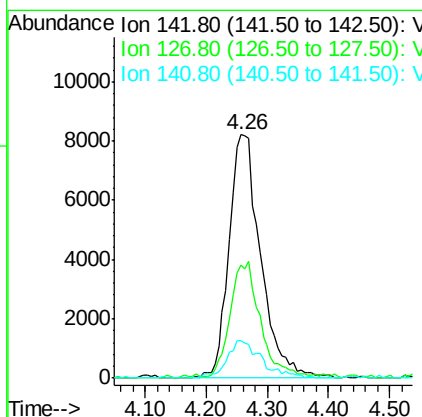
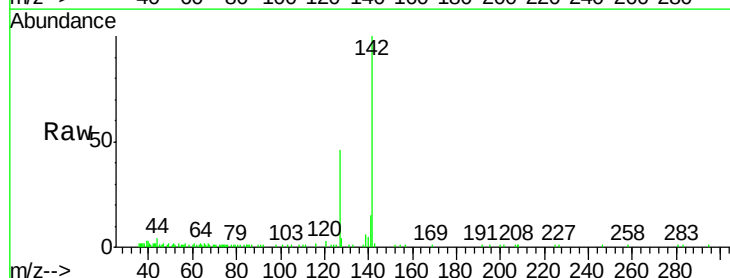
RT: 4.26 min Scan# 386

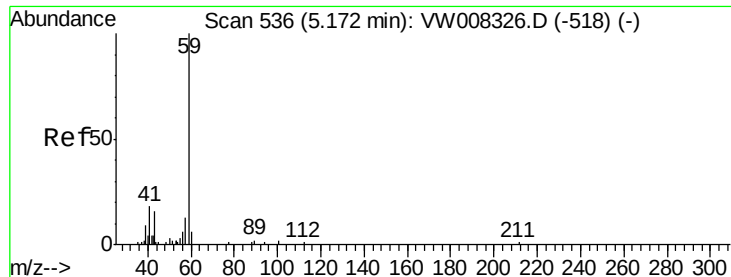
Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	142	Resp:	29345
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.3	51.5
141	16.7	12.2	18.2





#11

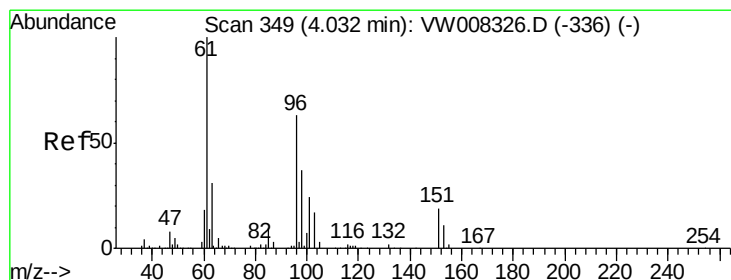
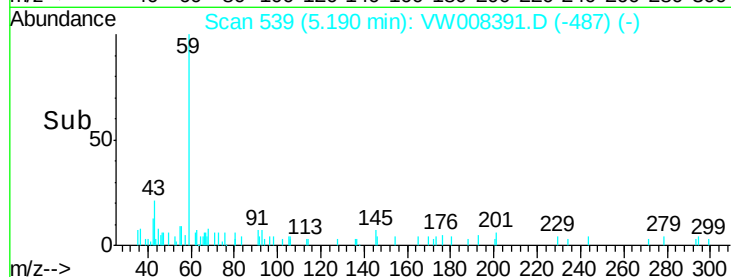
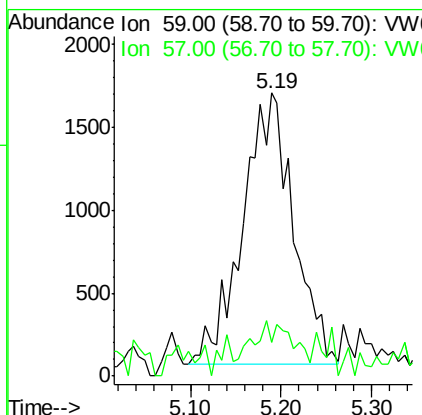
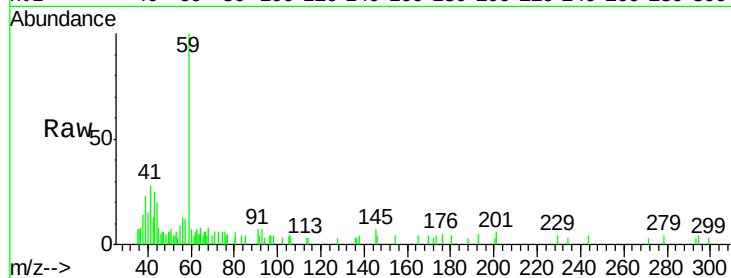
Tert butyl alcohol
 Concen: 80.260 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.3	9.4	14.2#

Manual Integrations
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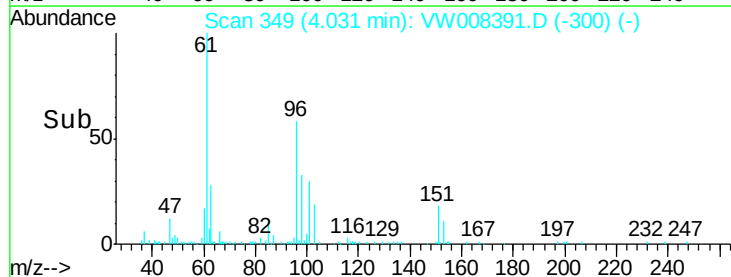
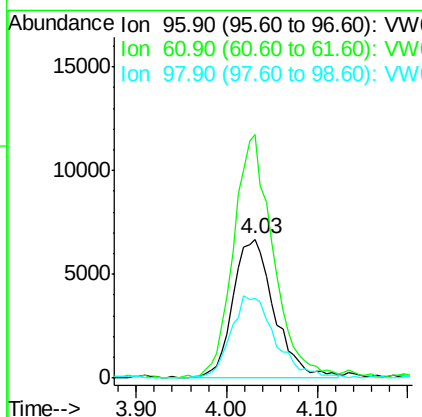
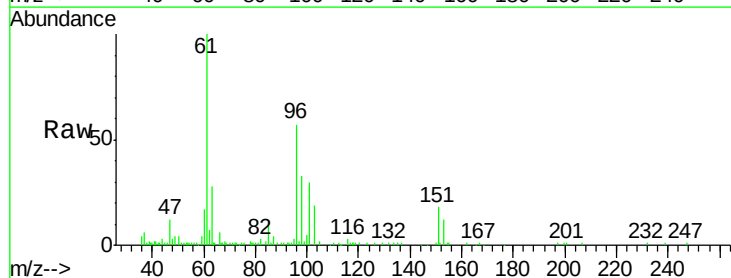
MMDadoda
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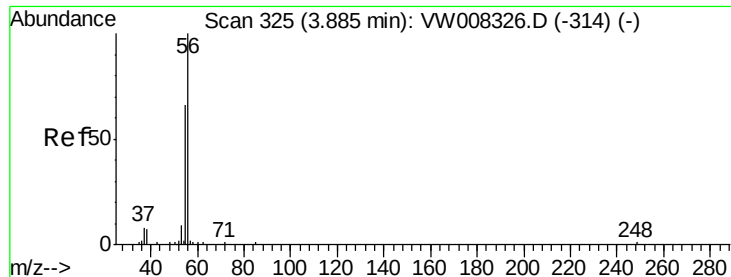


#12

1,1-Dichloroethene
 Concen: 18.417 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	126.4	189.6
98	57.0	46.7	70.1





#13

Acrolein

Concen: 61.917 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 56 Resp: 4547

Ion Ratio Lower Upper

56 100

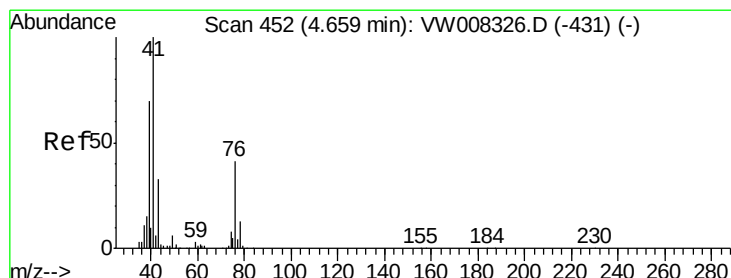
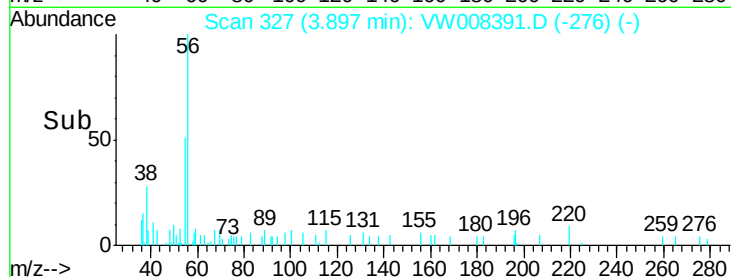
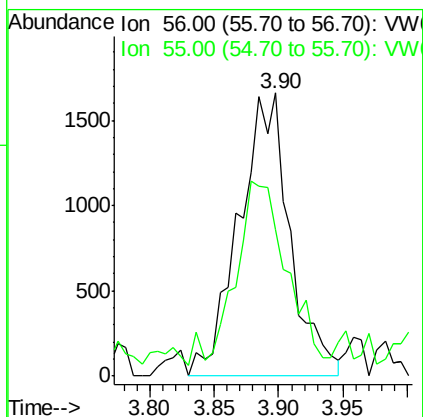
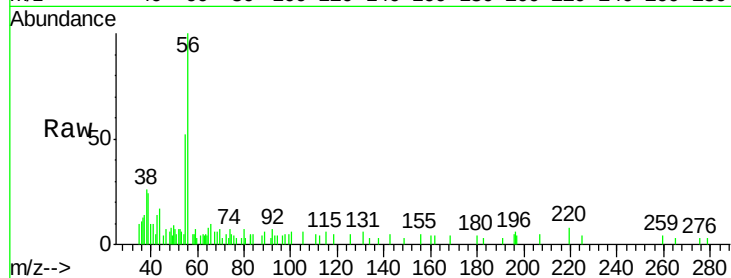
55 62.1 52.9 79.3

Manual Integrations

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#14

Allyl chloride

Concen: 19.105 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

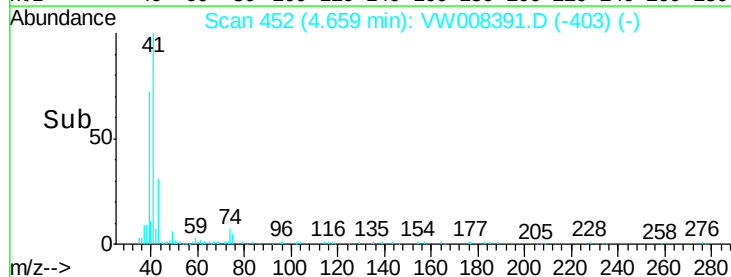
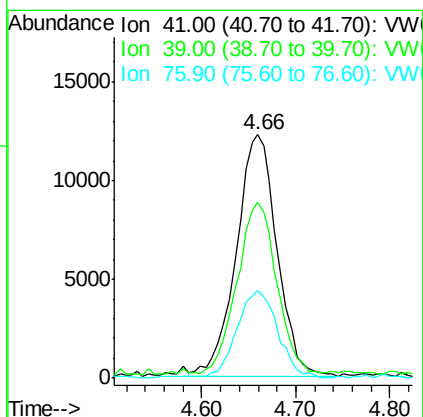
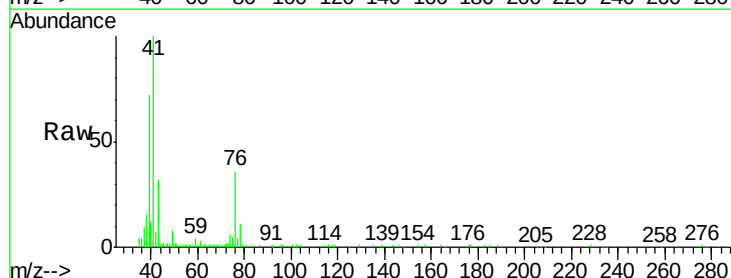
Tgt Ion: 41 Resp: 36764

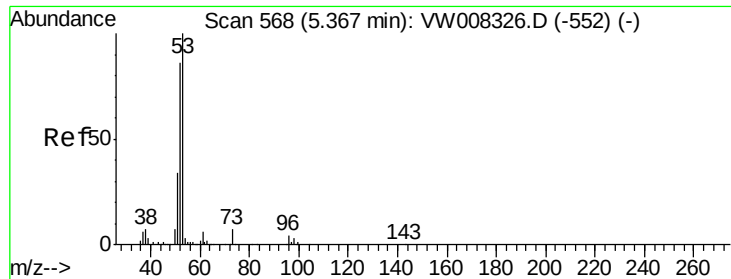
Ion Ratio Lower Upper

41 100

39 69.4 54.1 81.1

76 37.0 29.5 44.3





#15

Acrylonitrile

Concen: 88.357 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

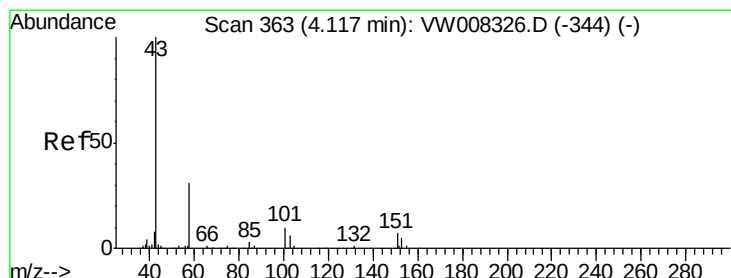
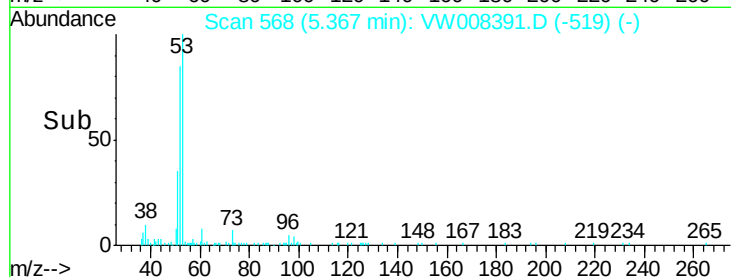
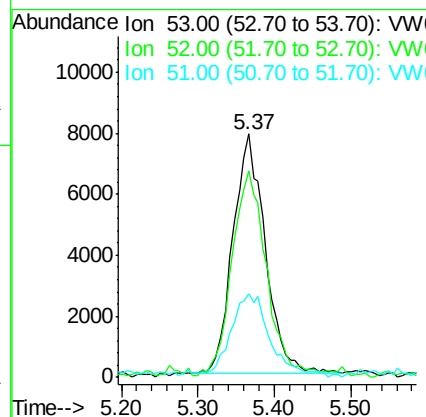
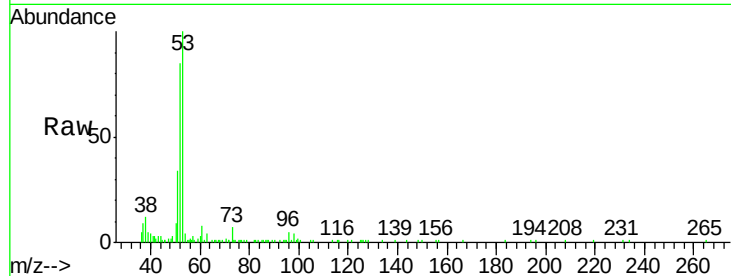
ClientSampleId :

VW0122SBSD01

Tot Ion:	53	Resp:	22879
Ion	Ratio	Lower	Upper
53	100		
52	91.2	66.4	99.6
51	37.8	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 92.755 ug/l

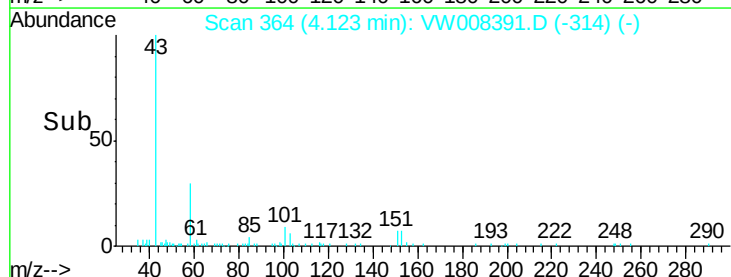
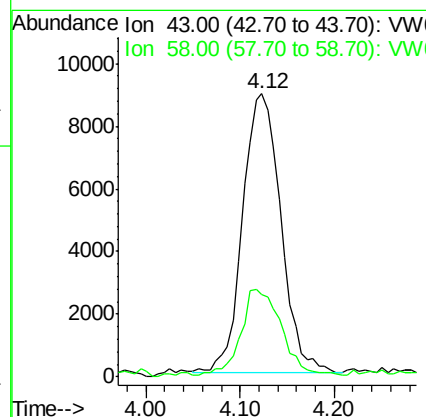
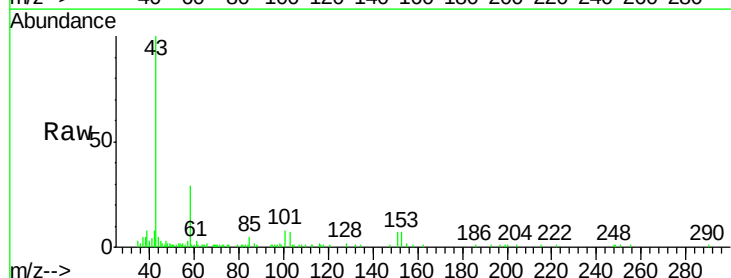
RT: 4.12 min Scan# 364

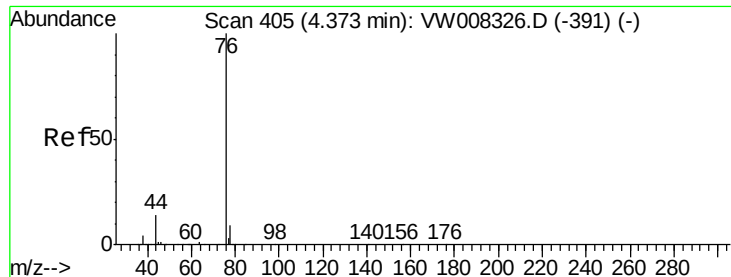
Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	43	Resp:	25137
Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.7	37.1





#17

Carbon Disulfide

Concen: 16.634 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 76 Resp: 58262

Ion Ratio Lower Upper

76 100

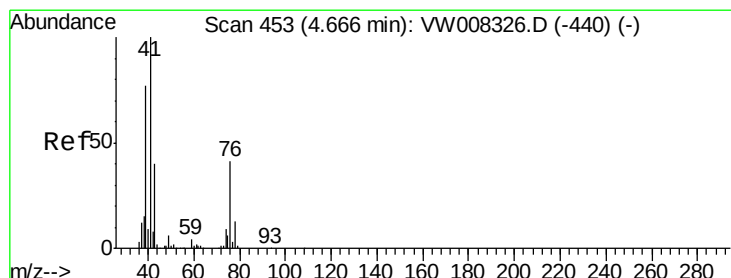
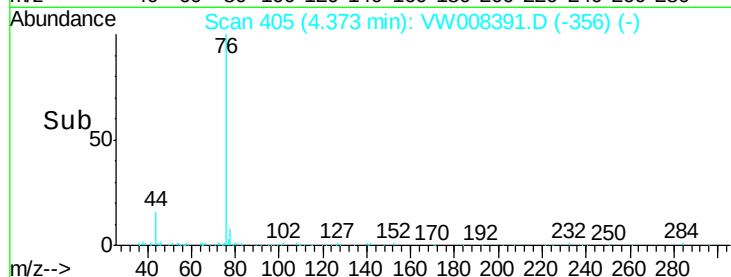
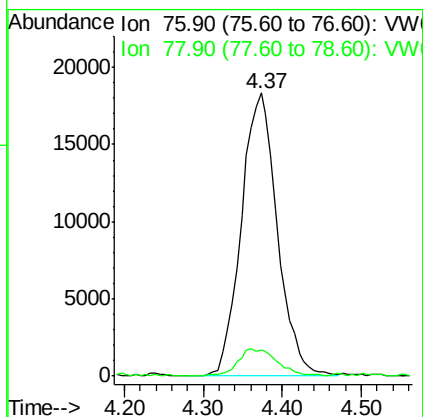
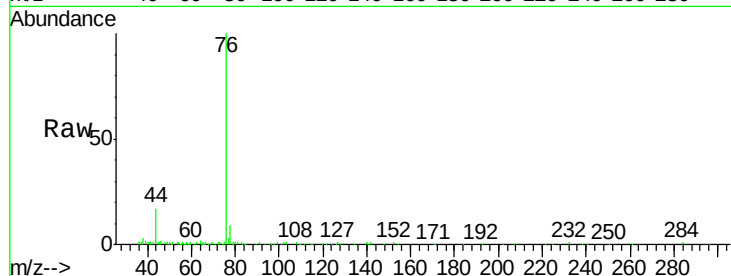
78 9.0 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 19.589 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008391.D

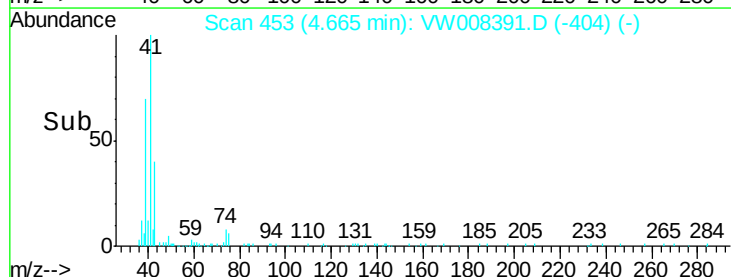
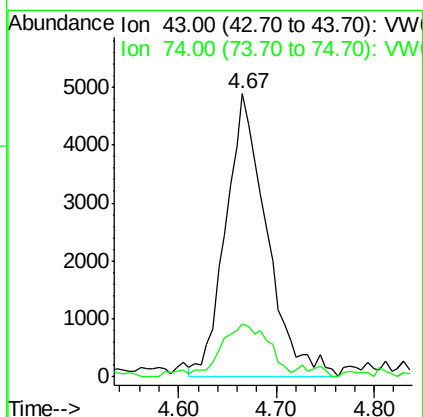
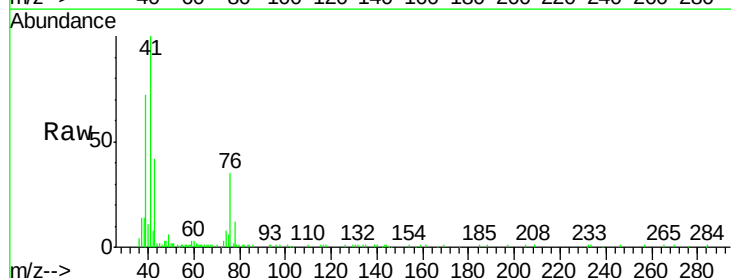
Acq: 22 Jan 2019 16:22

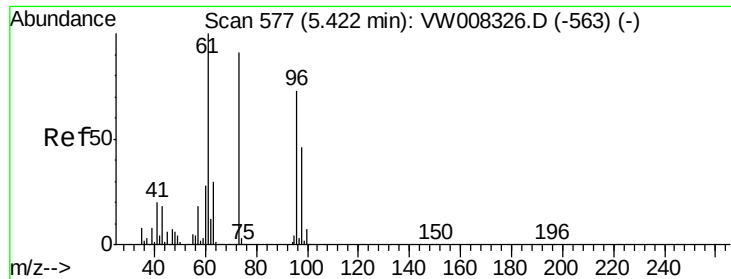
Tgt Ion: 43 Resp: 14181

Ion Ratio Lower Upper

43 100

74 19.2 19.4 29.0#





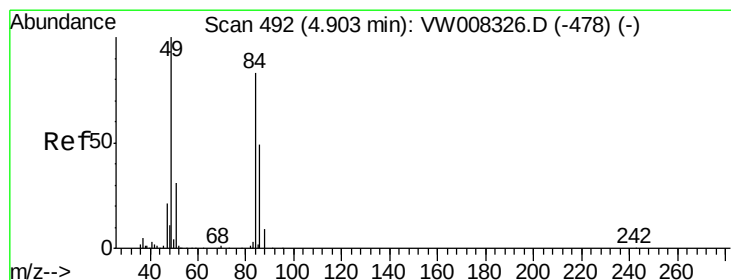
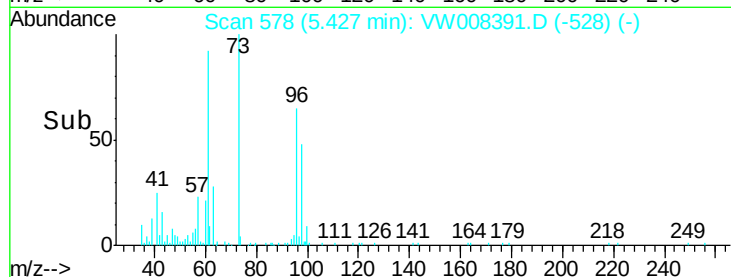
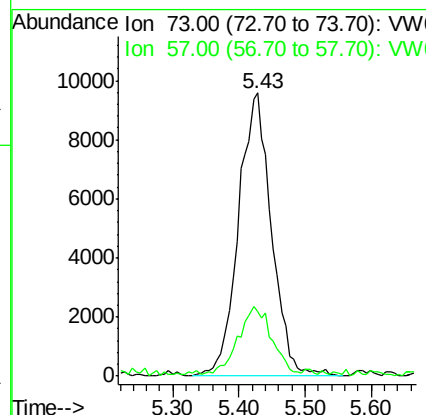
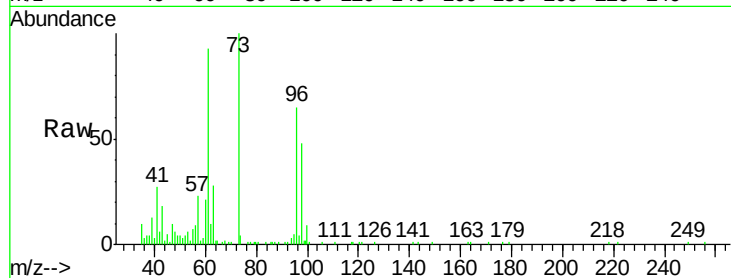
#19
Methyl tert-butyl Ether
Concen: 18.838 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	16.3	24.5

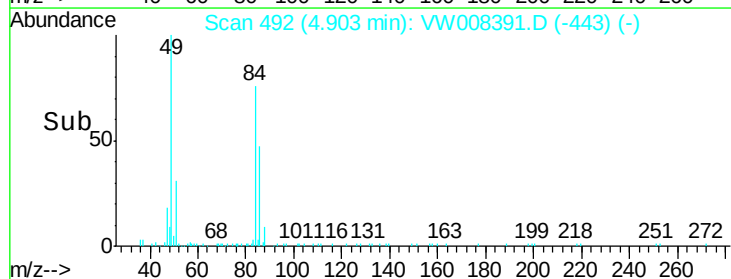
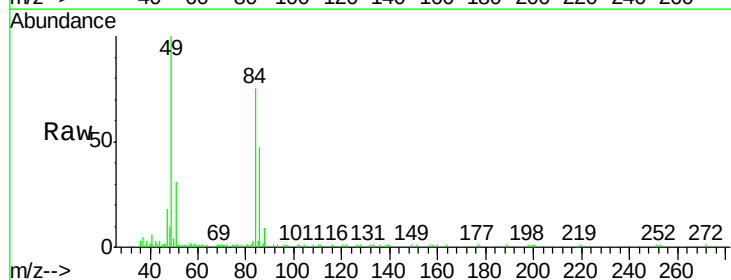
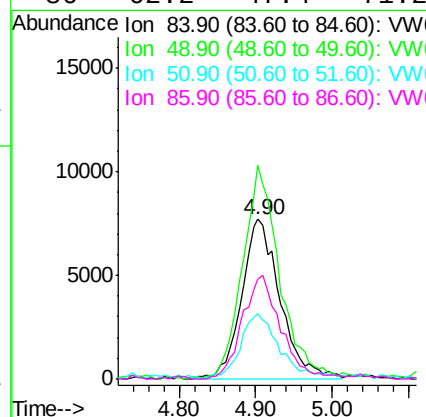
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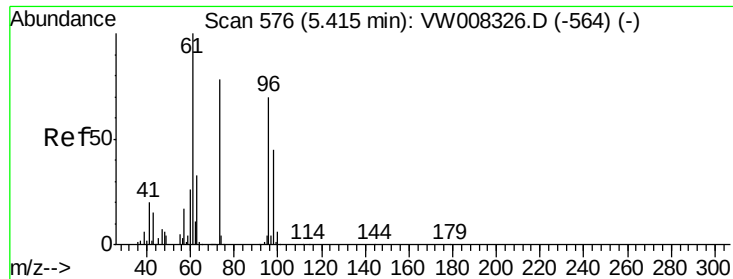
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#20
Methylene Chloride
Concen: 19.221 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.0	95.9	143.9
51	39.8	29.3	43.9
86	62.2	47.4	71.2





#21

trans-1,2-Dichloroethene

Concen: 19.271 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

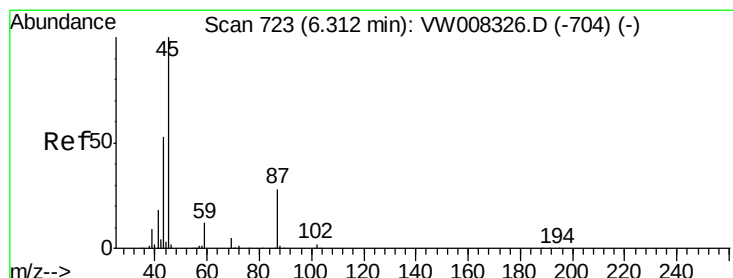
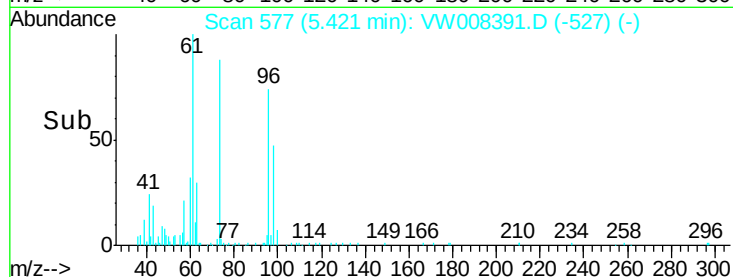
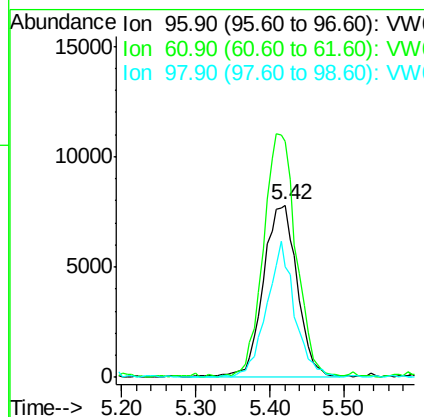
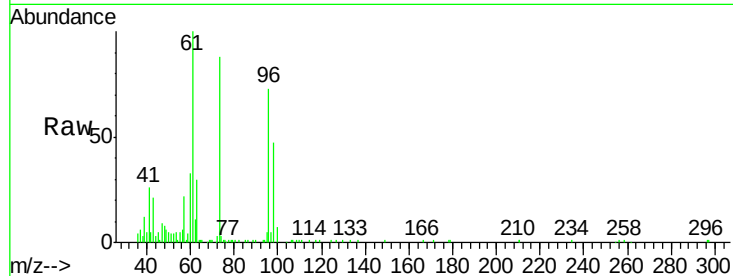
ClientSampleId :

VW0122SBS01

Tot Ion:	96	Resp:	24913
Ion	Ratio	Lower	Upper
96	100		
61	136.2	114.5	171.7
98	64.3	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.368 ug/l

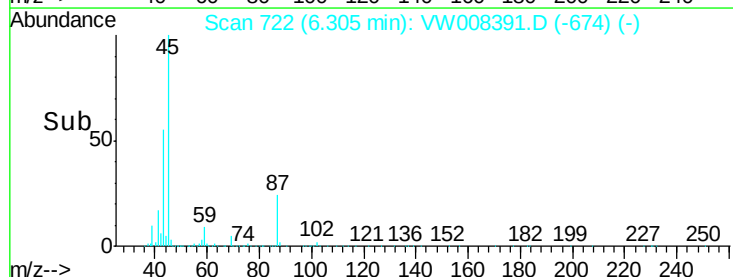
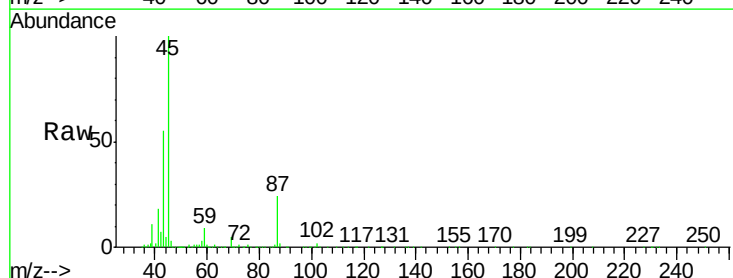
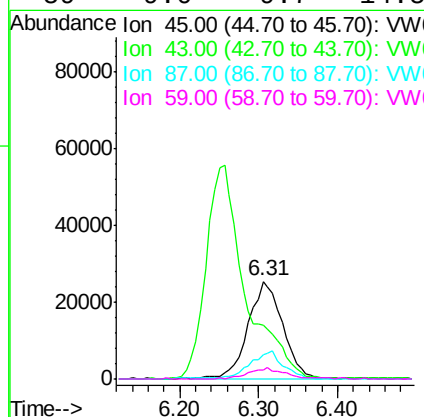
RT: 6.31 min Scan# 722

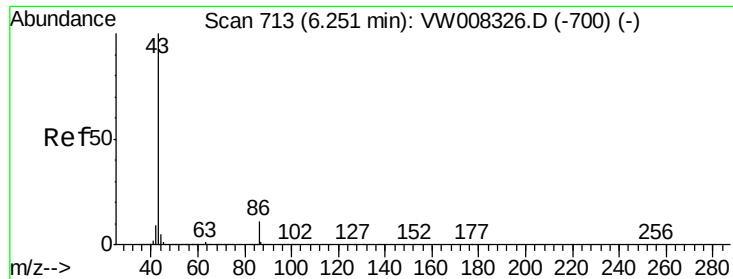
Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	45	Resp:	76521
Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.5	63.7
87	24.0	22.2	33.2
59	9.0	9.7	14.5#





#23

Vinyl Acetate

Concen: 95.341 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBS01

Tot Ion: 43 Resp: 191464

Ion Ratio Lower Upper

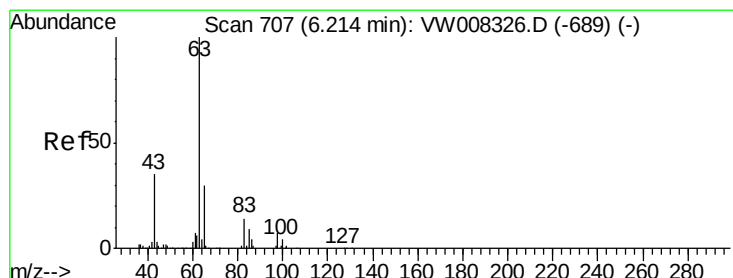
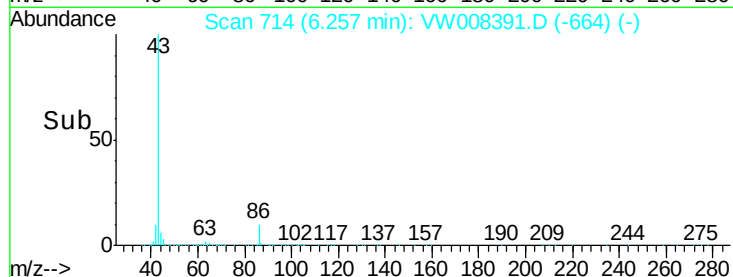
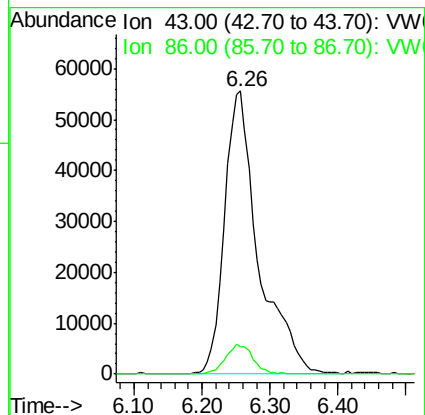
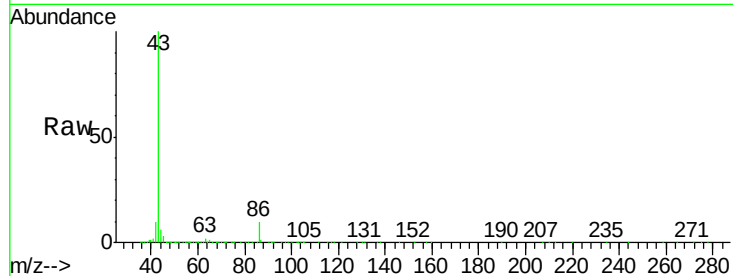
43 100

86 9.6 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 20.689 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

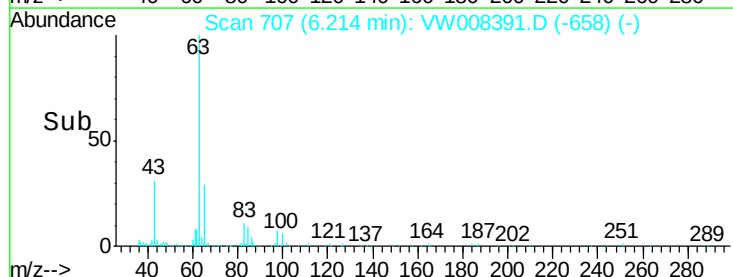
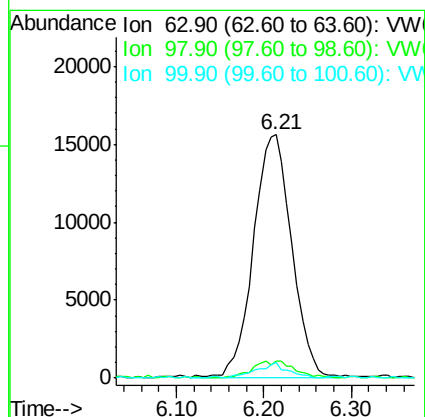
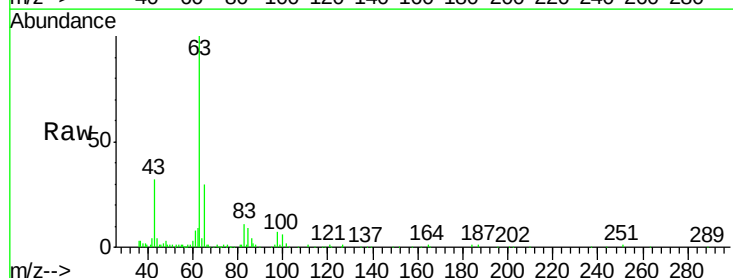
Tgt Ion: 63 Resp: 47326

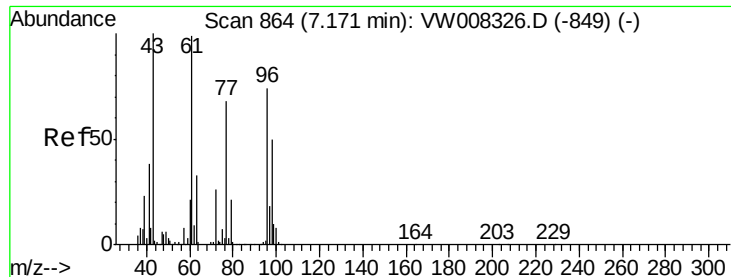
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 6.4 2.1 6.3#





#25

2-Butanone

Concen: 93.379 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 43 Resp: 32412

Ion Ratio Lower Upper

43 100

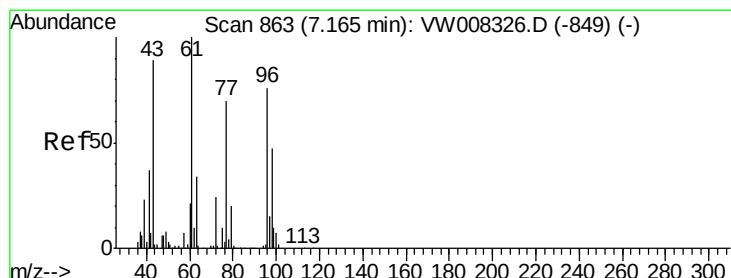
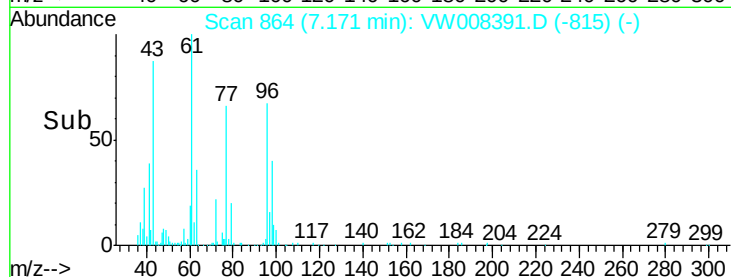
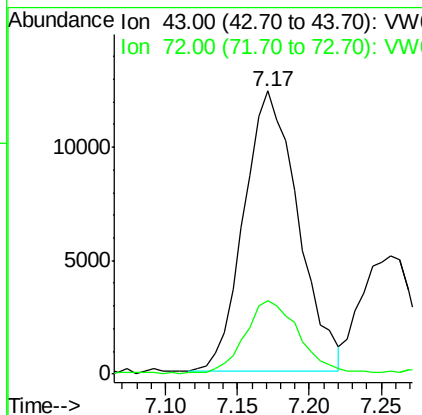
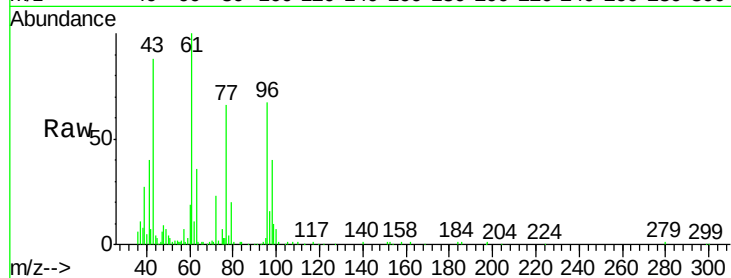
72 25.4 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 20.764 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008391.D

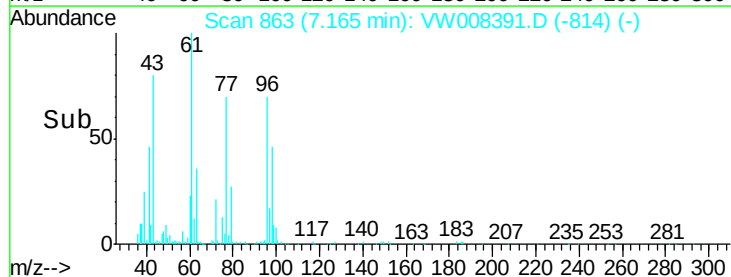
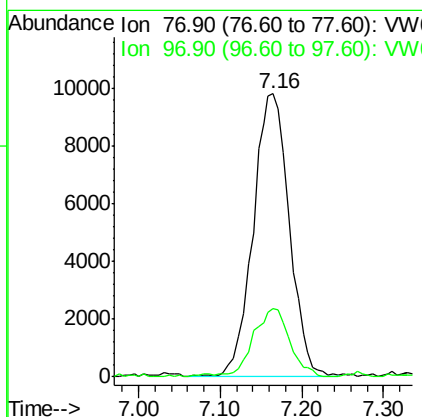
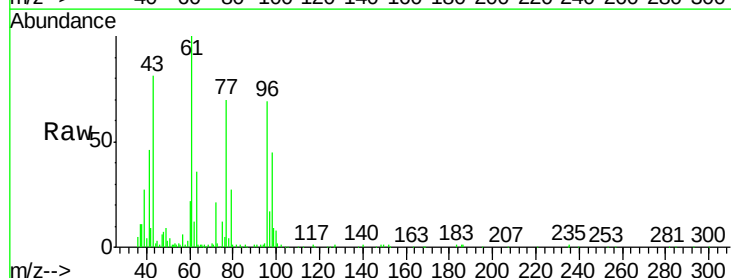
Acq: 22 Jan 2019 16:22

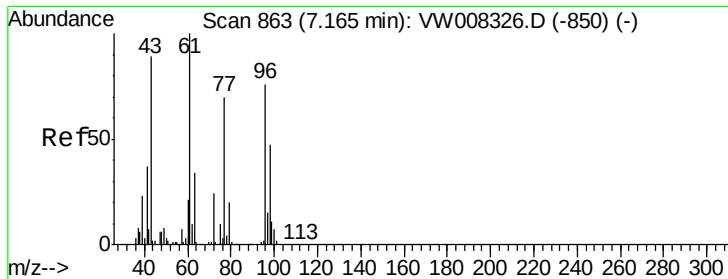
Tgt Ion: 77 Resp: 30311

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.1





#27

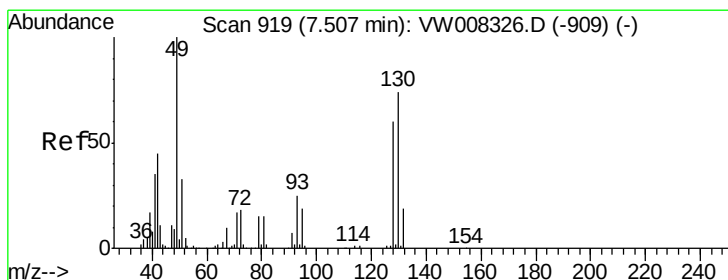
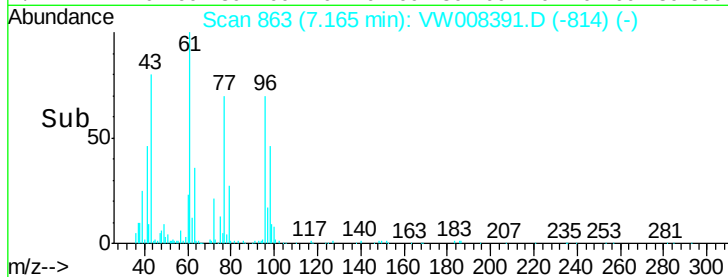
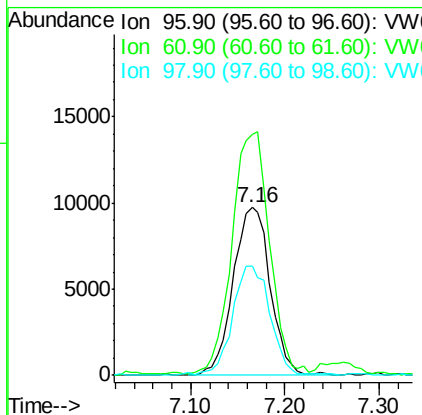
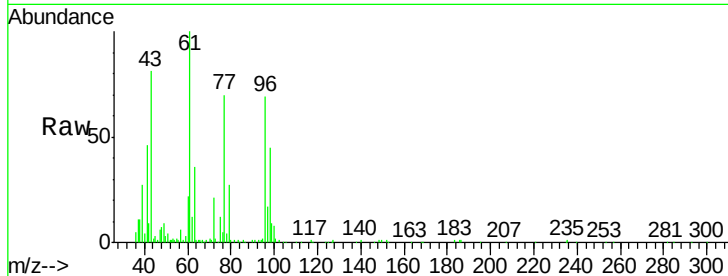
cis-1,2-Dichloroethene
Concen: 19.036 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	272.2
98	66.0	0.0	129.4

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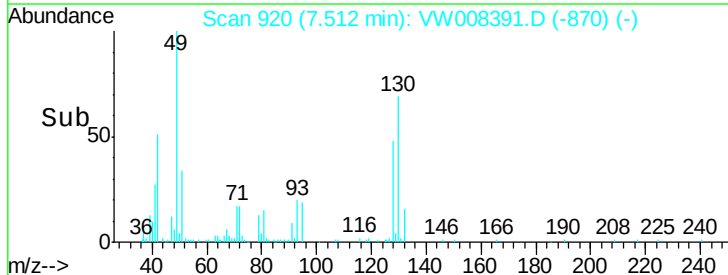
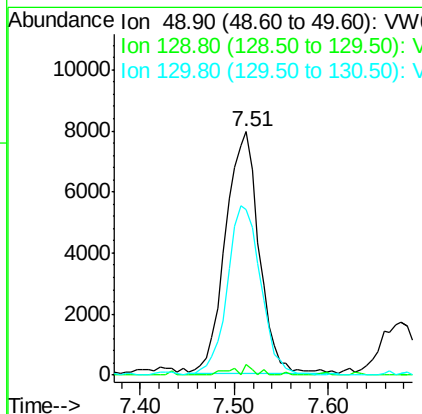
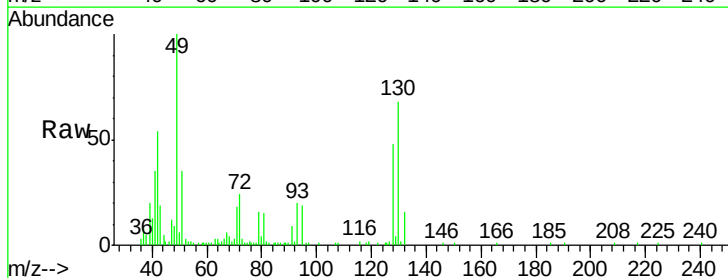
MMDadoda
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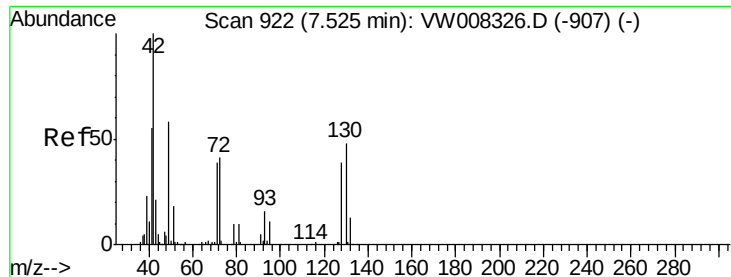


#28

Bromochloromethane
Concen: 20.855 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.6
130	70.0	0.0	0.0#





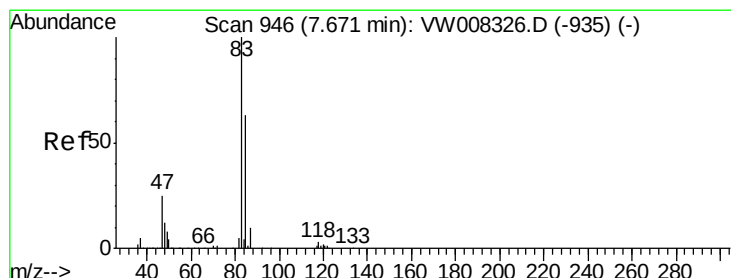
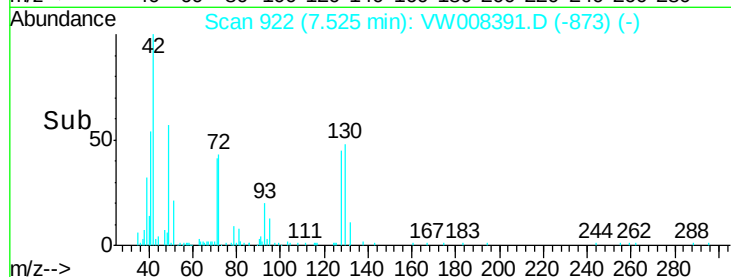
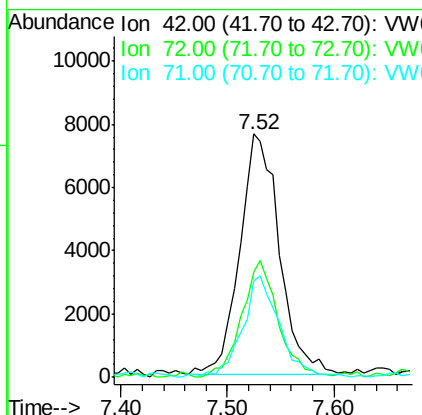
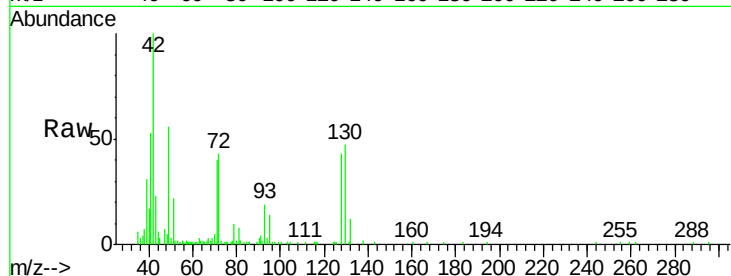
#29
Tetrahydrofuran
Concen: 91.543 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.0	51.0
71	39.3	32.0	48.0

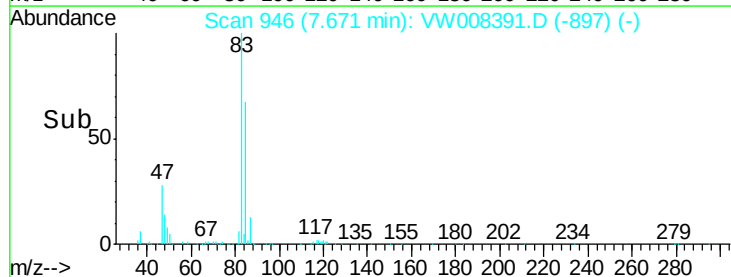
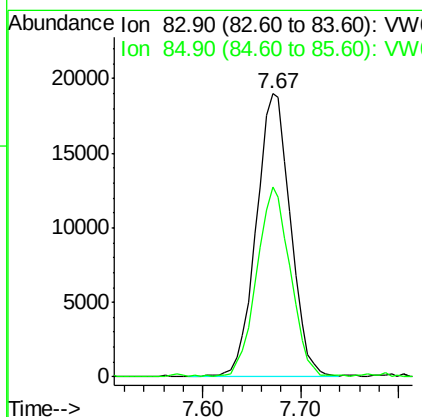
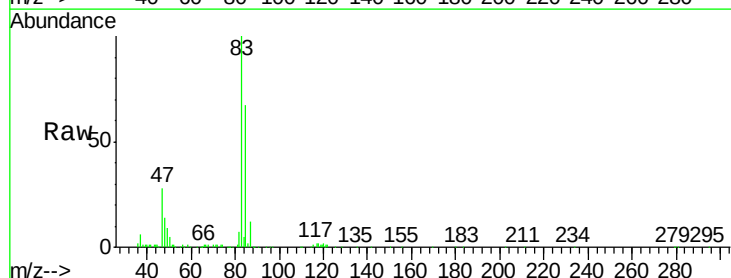
Manual Integrations
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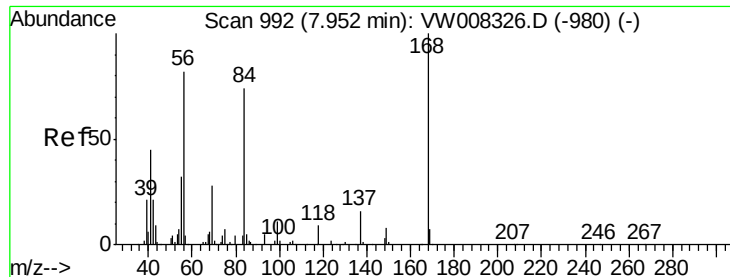
MMDadoda
1/23/2019 11:42:41 AM



#30
Chloroform
Concen: 20.533 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.2	75.2





#31

Cyclohexane

Concen: 19.979 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

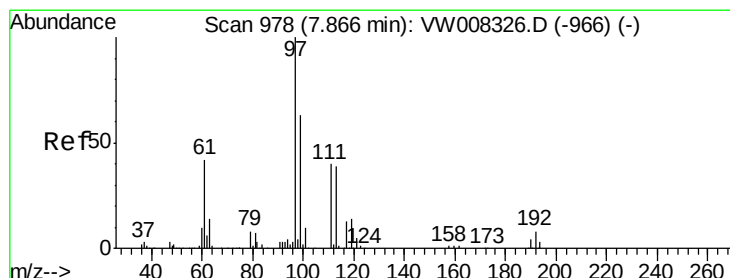
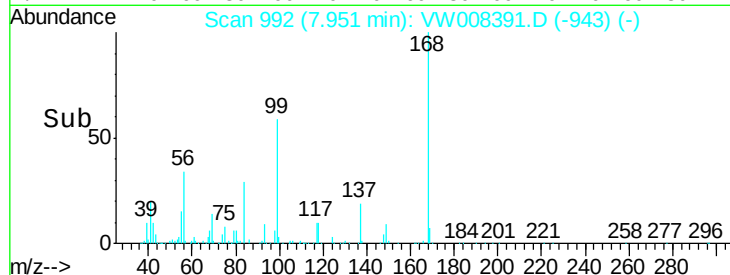
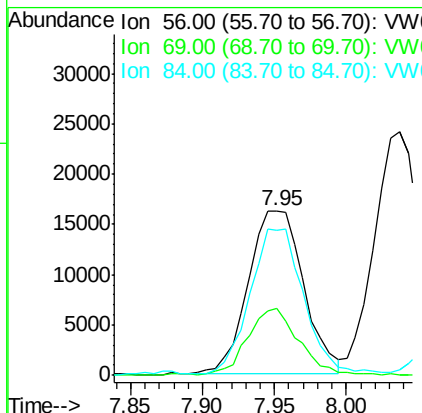
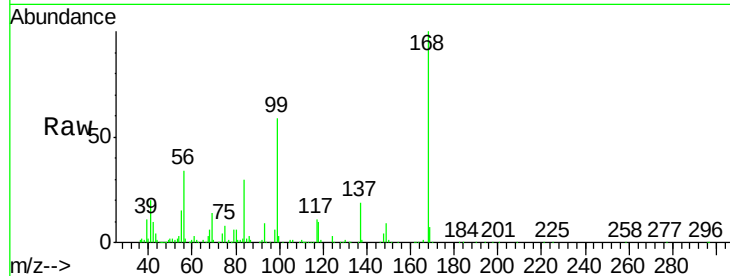
ClientSampleId :

VW0122SBS01

Tot Ion:	56	Resp:	43543
Ion Ratio	Lower	Upper	
56	100		
69	40.3	27.0	40.6
84	87.6	72.5	108.7

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#32

1,1,1-Trichloroethane

Concen: 20.665 ug/l

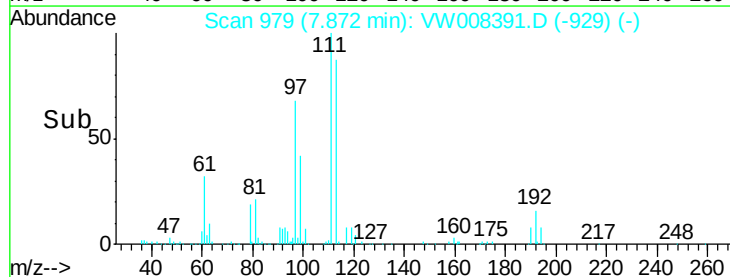
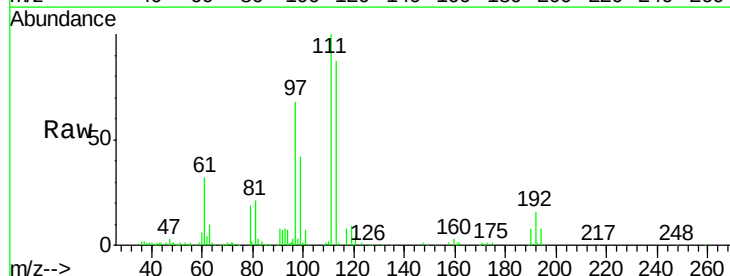
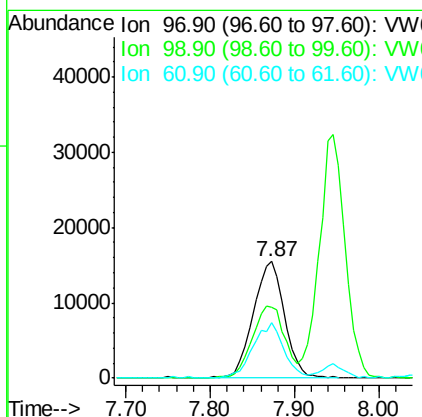
RT: 7.87 min Scan# 979

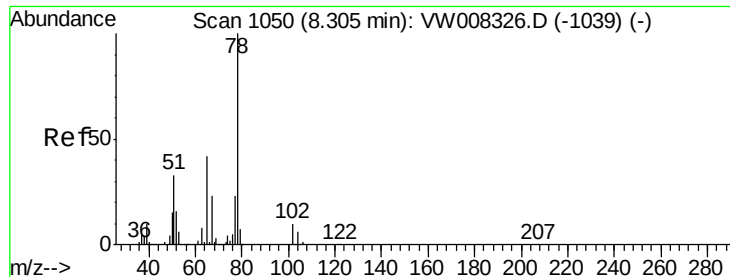
Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	97	Resp:	39252
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.1	76.7
61	45.5	34.0	51.0





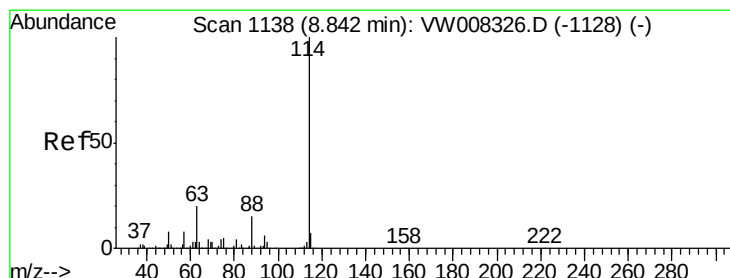
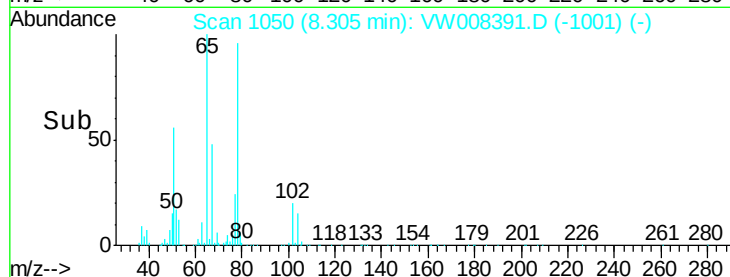
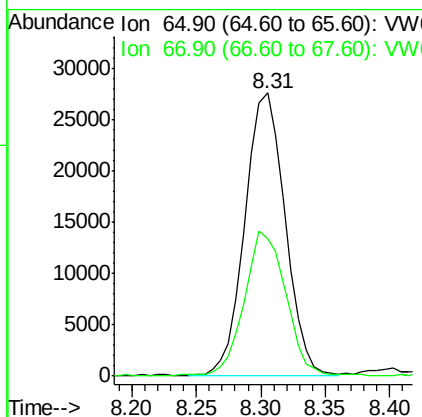
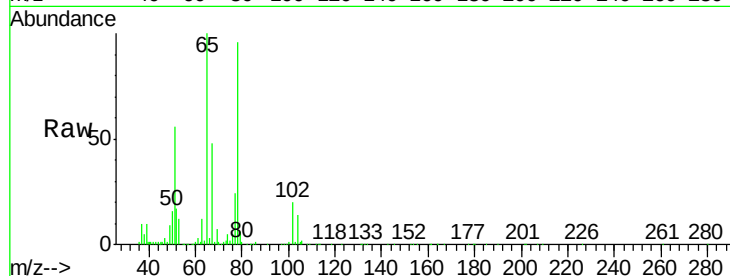
#33
 1,2-Dichloroethane-d4
 Concen: 50.842 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	106.2	

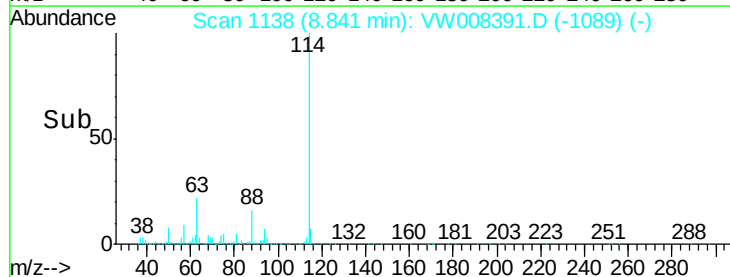
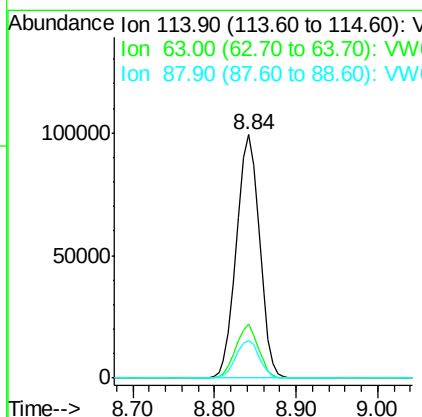
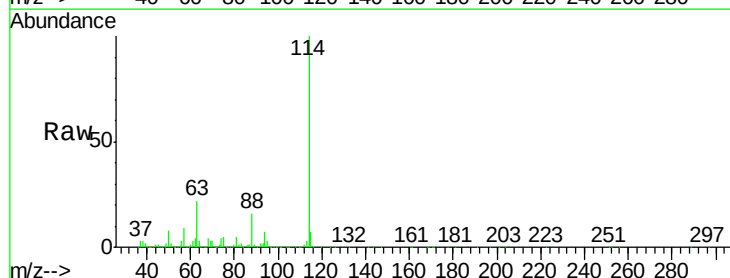
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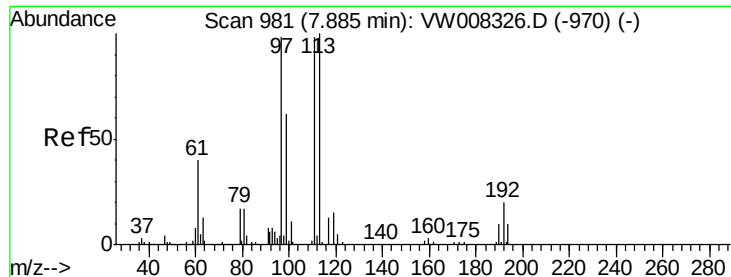
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	40.8	
88	15.6	0.0	30.4	





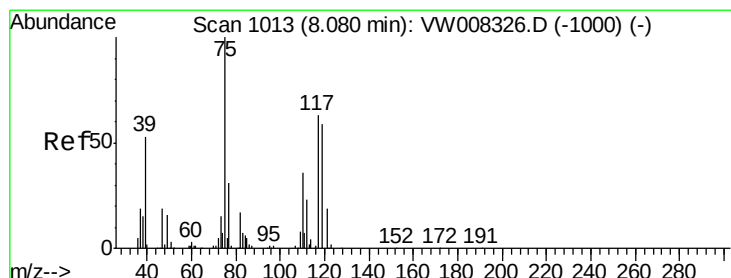
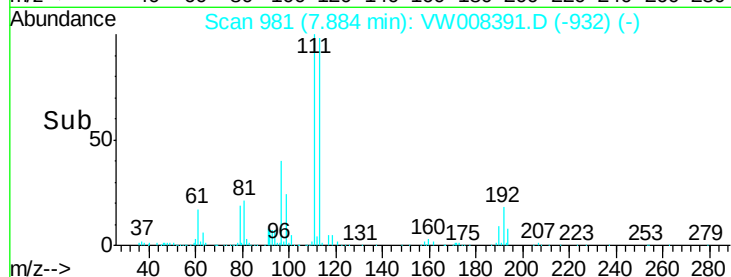
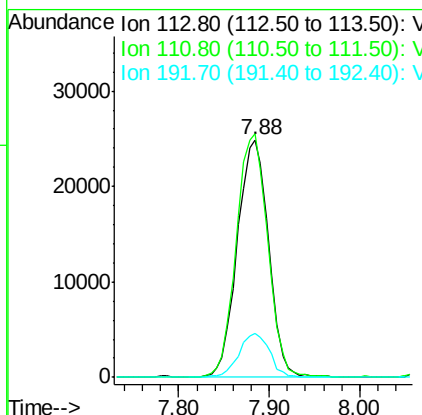
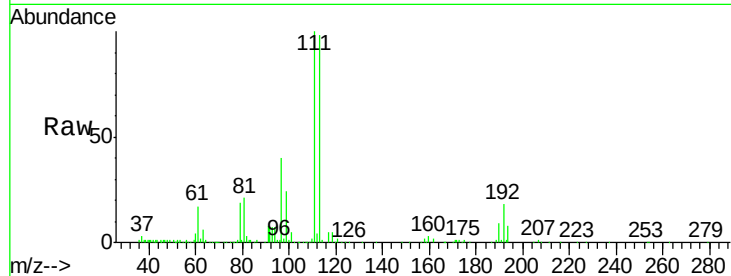
#35
Dibromofluoromethane
Concen: 48.203 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	18.4	16.3	24.5

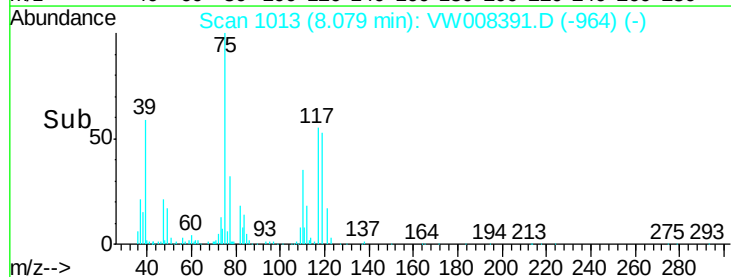
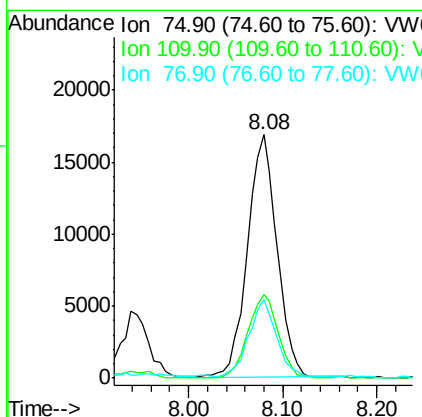
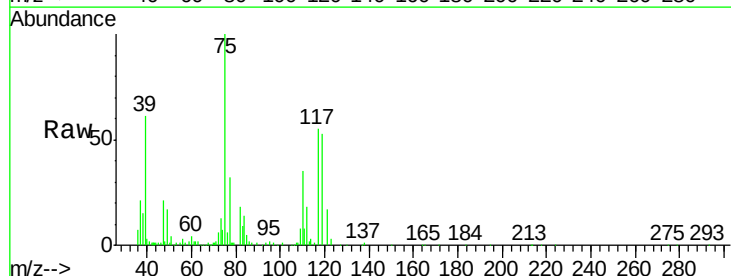
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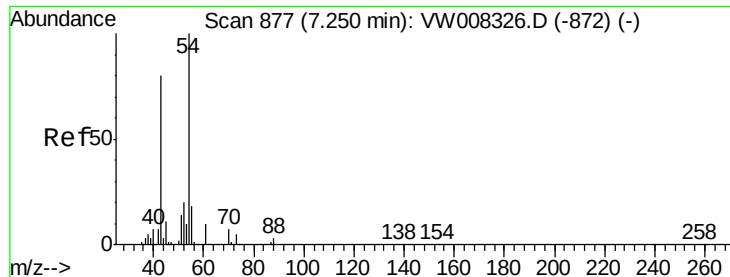
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#36
1,1-Dichloropropene
Concen: 19.122 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.5	52.6
77	29.7	25.0	37.6





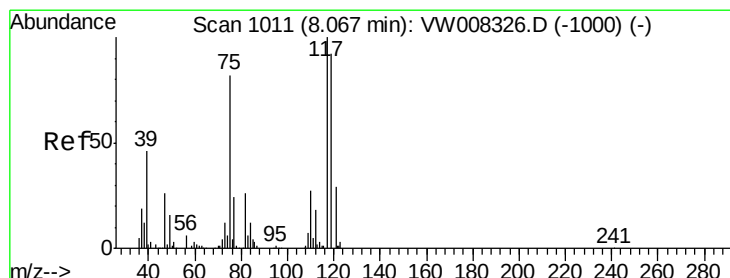
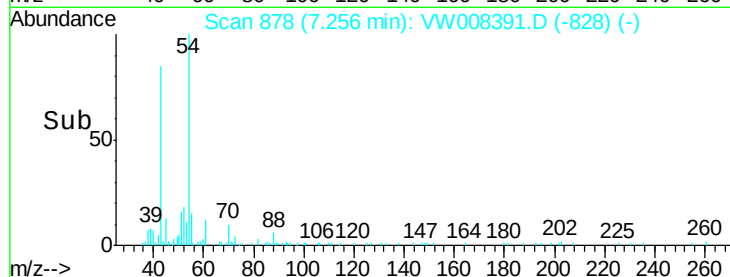
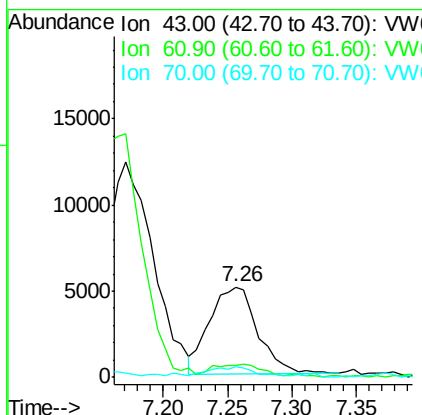
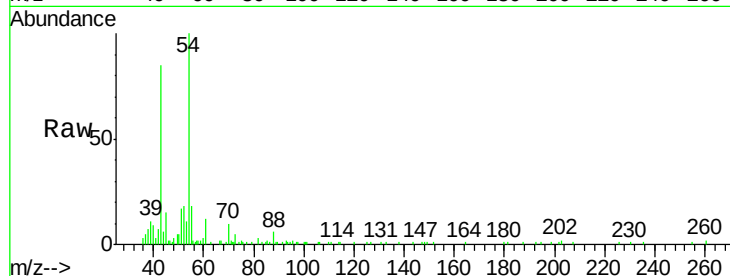
#37
Ethyl Acetate
Concen: 16.342 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampled :
VW0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.8	8.8	13.2

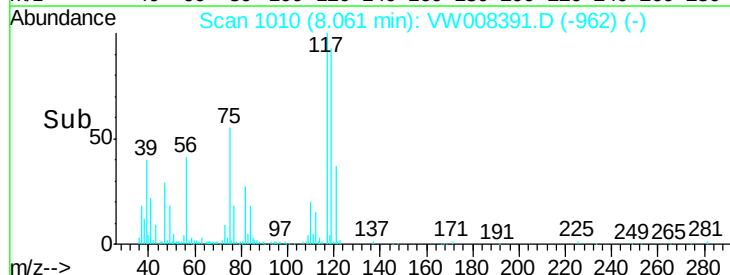
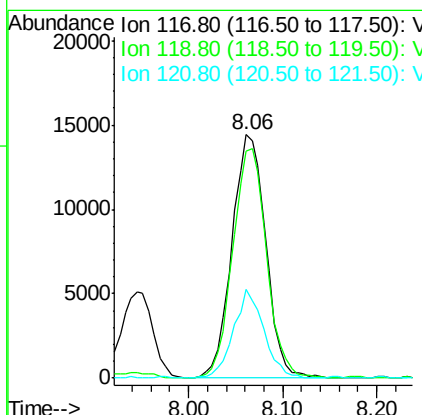
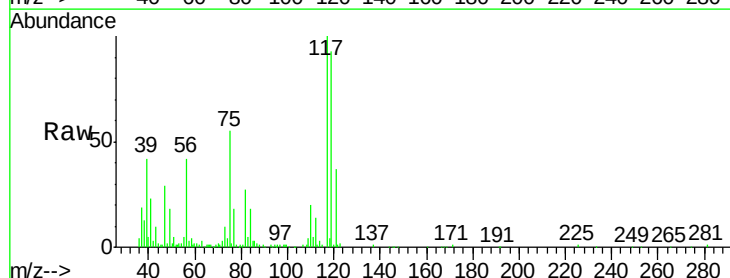
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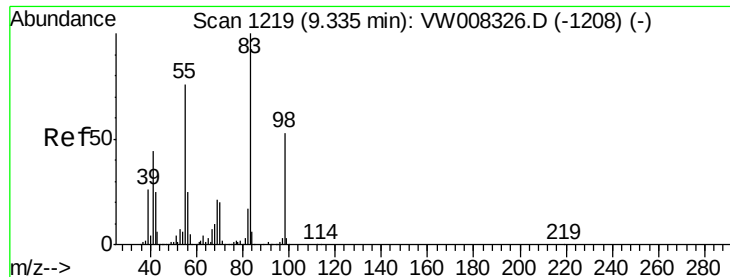
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#38
Carbon Tetrachloride
Concen: 18.773 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	73.8	110.6
121	36.7	23.4	35.0#





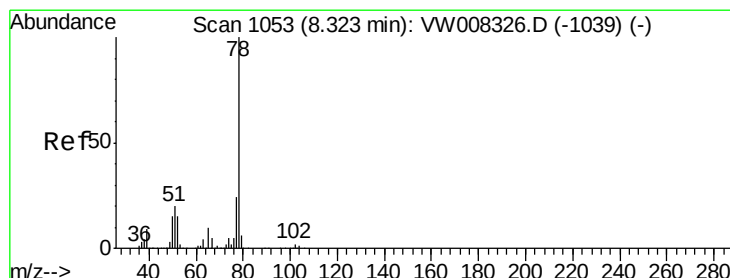
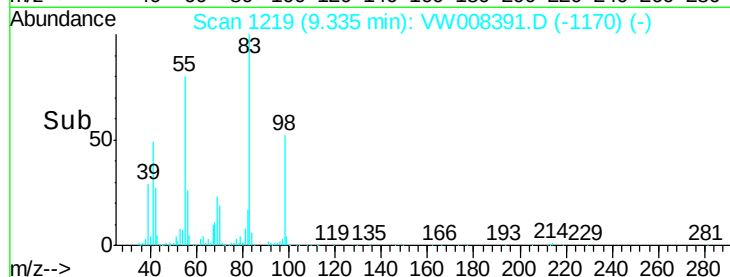
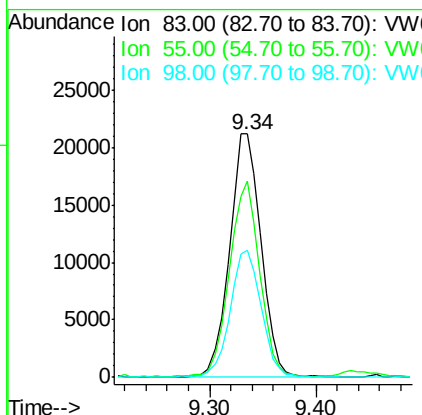
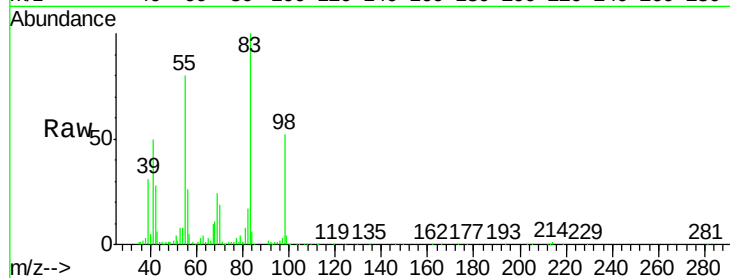
#39
Methylvlcyclohexane
Concen: 19.021 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.1	91.7
98	52.0	42.5	63.7

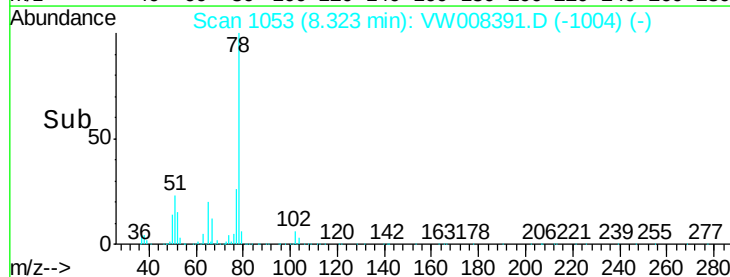
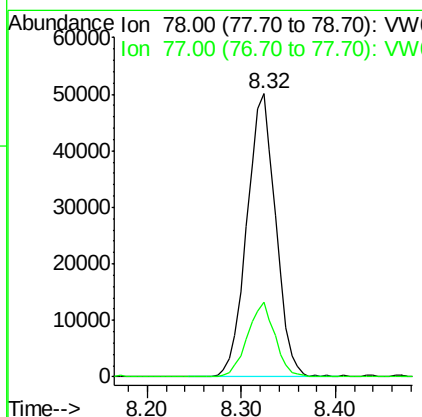
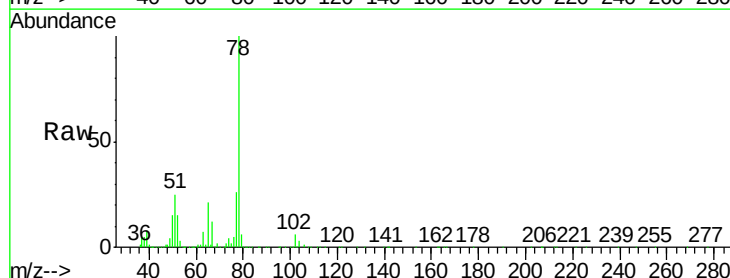
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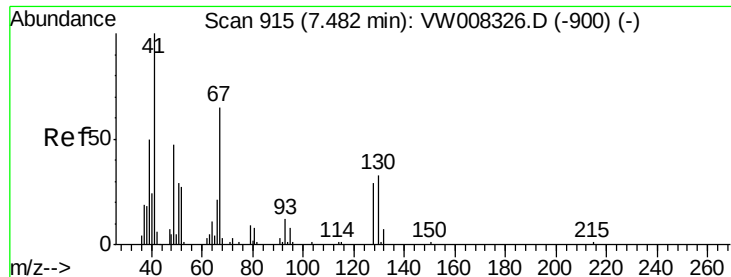
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#40
Benzene
Concen: 19.354 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	19.4	29.0





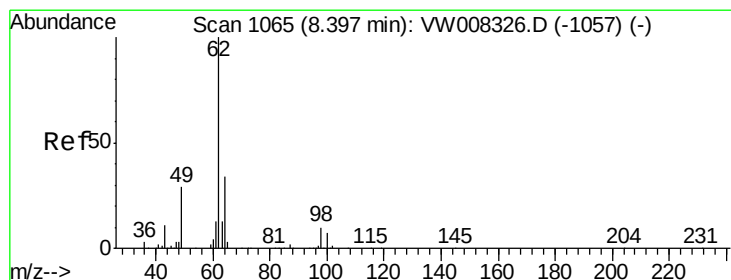
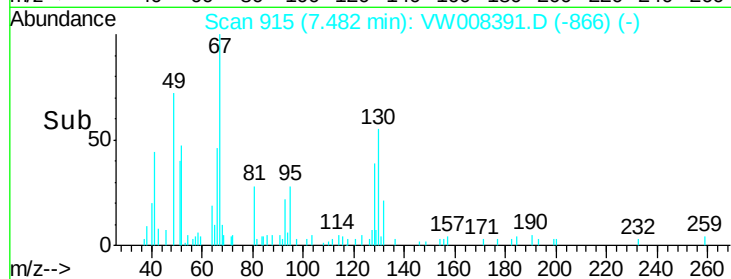
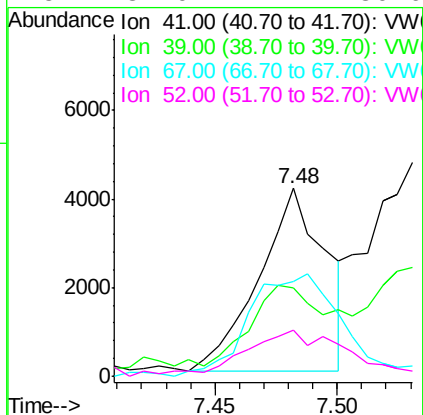
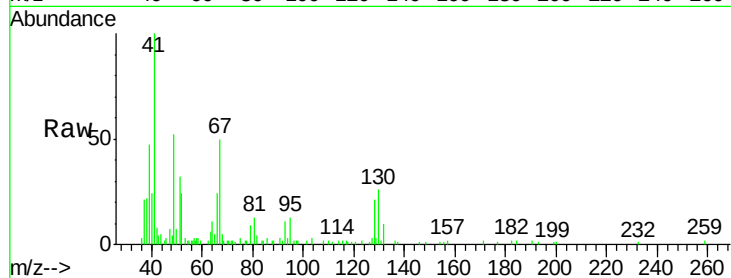
#41
Methacrylonitrile
Concen: 16.693 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.4	44.9	67.3
67	78.7	56.9	85.3
52	34.0	24.4	36.6

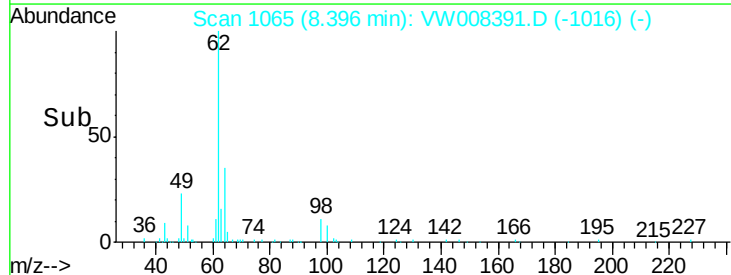
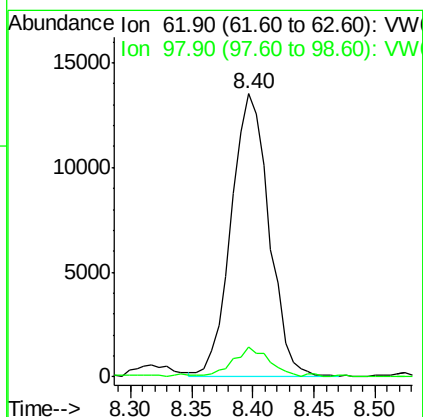
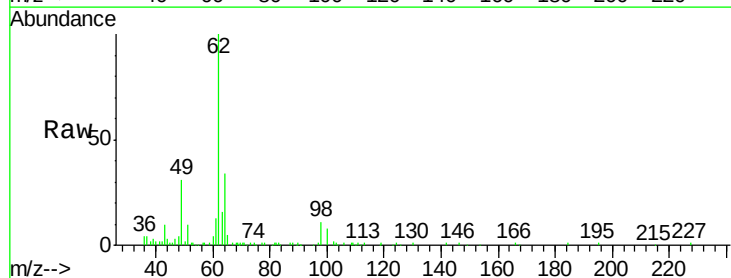
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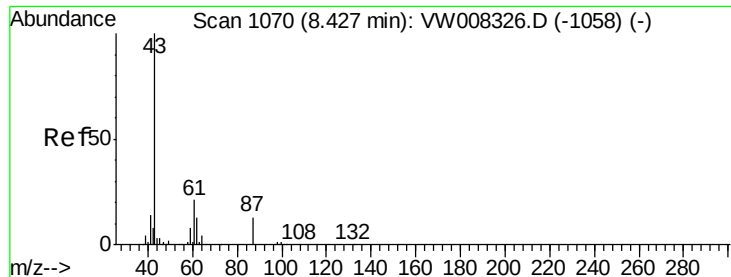
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#42
1,2-Dichloroethane
Concen: 18.835 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 17.650 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

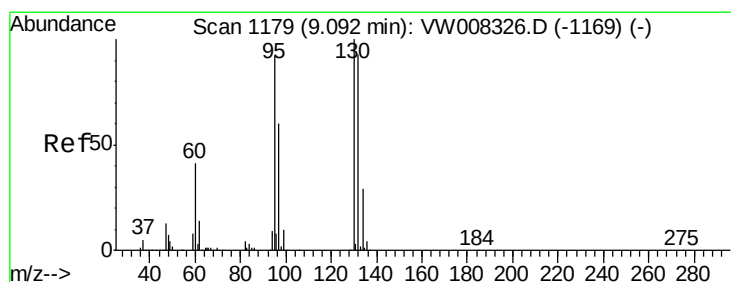
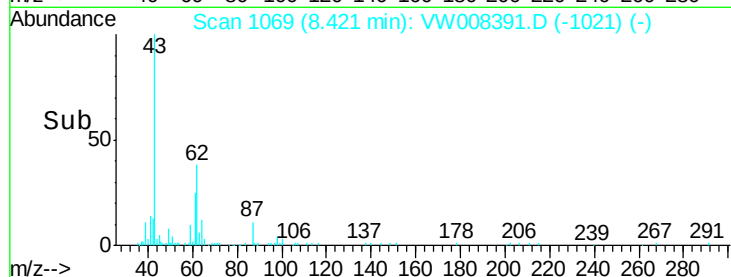
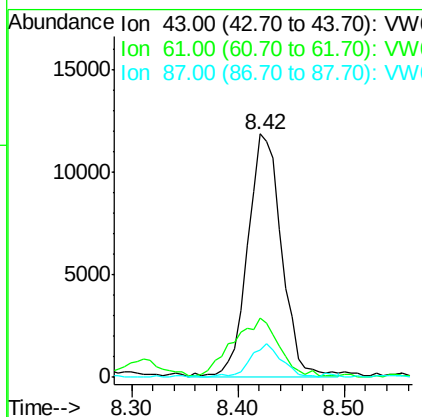
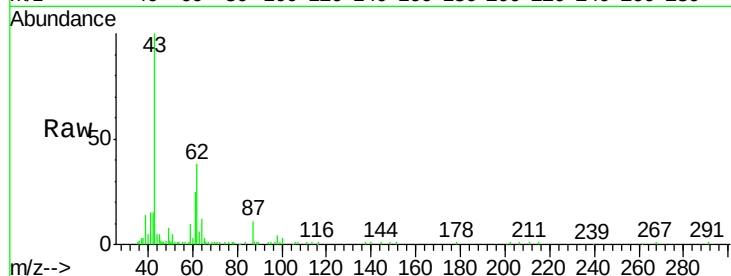
ClientSampleId :

VW0122SBS01

Tot Ion:	43	Resp:	26798
Ion	Ratio	Lower	Upper
43	100		
61	31.9	24.8	37.2
87	12.7	10.7	16.1

Manual Integrations
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1/23/2019 11:42:41 AM



#44

Trichloroethene

Concen: 18.275 ug/l

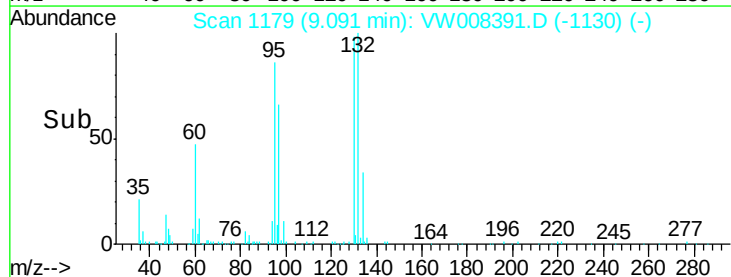
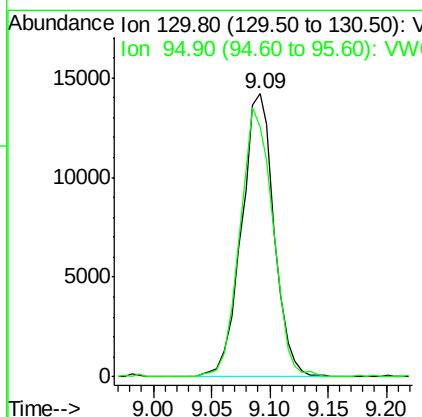
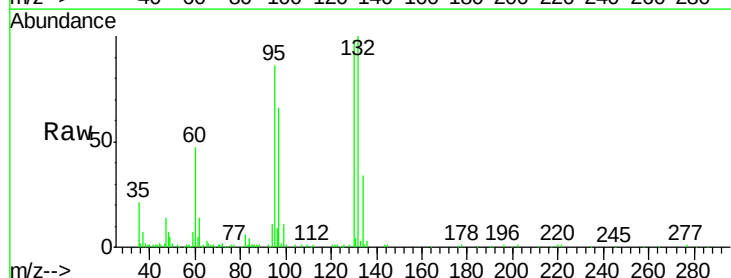
RT: 9.09 min Scan# 1179

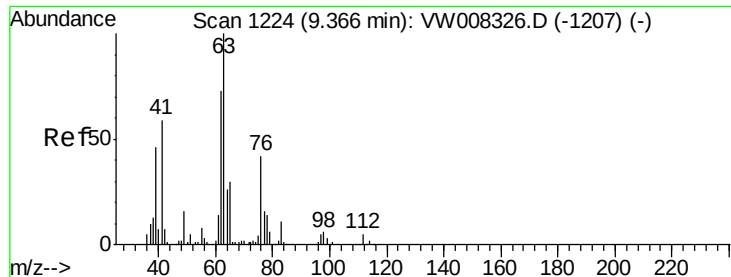
Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	130	Resp:	27645
Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	184.8





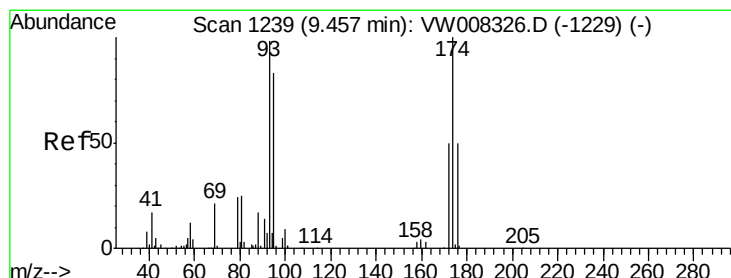
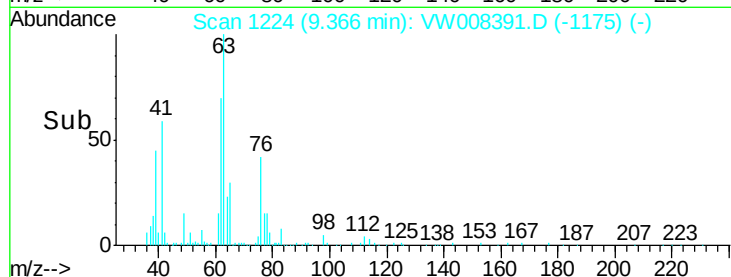
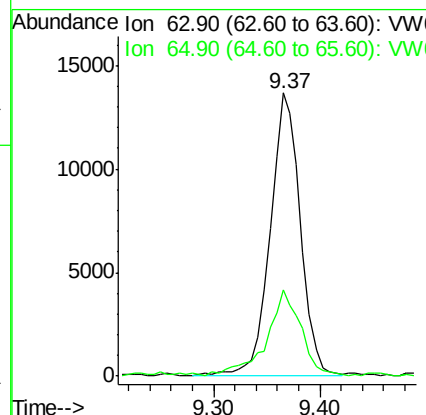
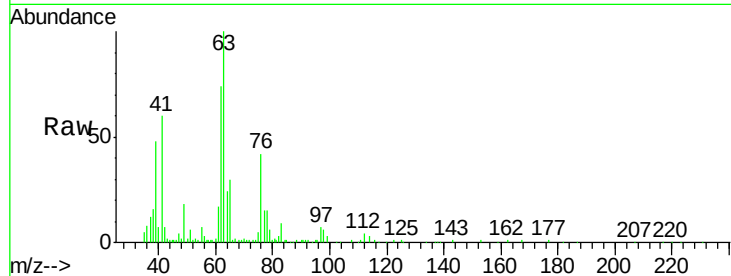
#45
 1,2-Dichloropropane
 Concen: 19.742 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion: 63 Resp: 27077
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.9 35.9

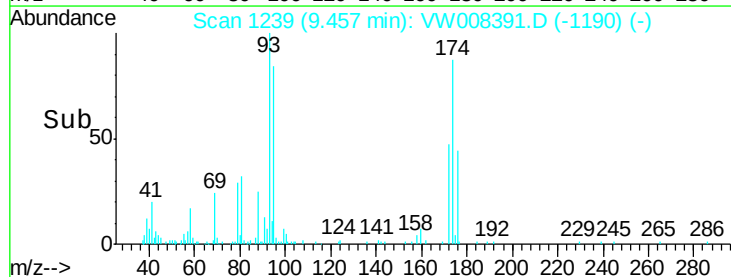
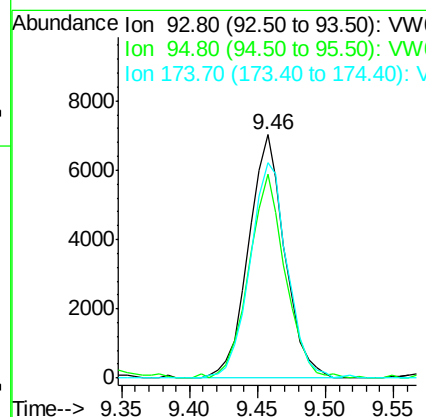
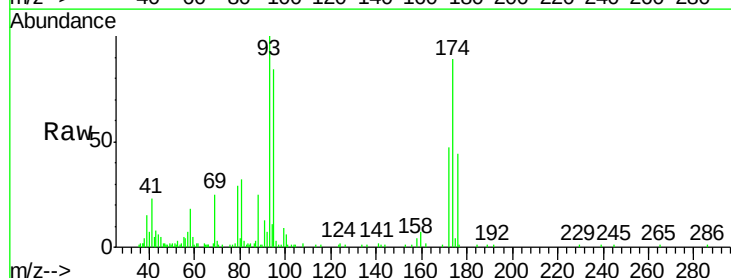
Manual Integrations
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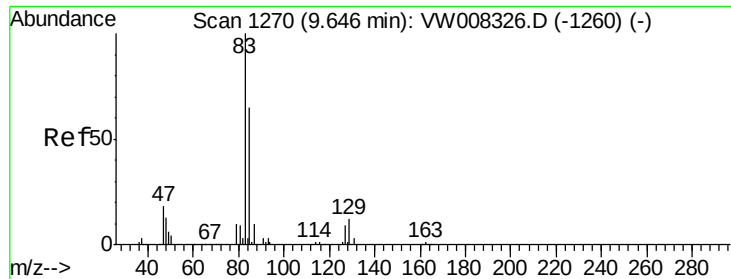
MMDadoda
 1/23/2019 11:42:41 AM



#46
 Dibromomethane
 Concen: 18.301 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion: 93 Resp: 13082
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.8 101.8
 174 91.5 84.4 126.6





#47

Bromodichloromethane

Concen: 19.644 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

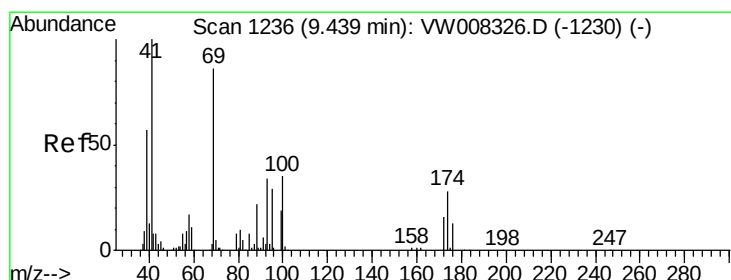
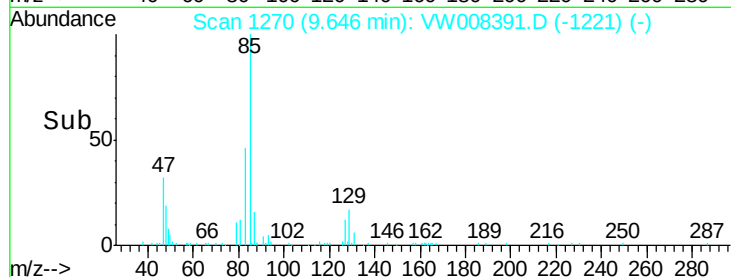
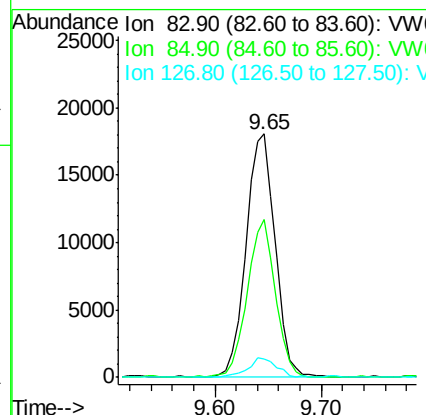
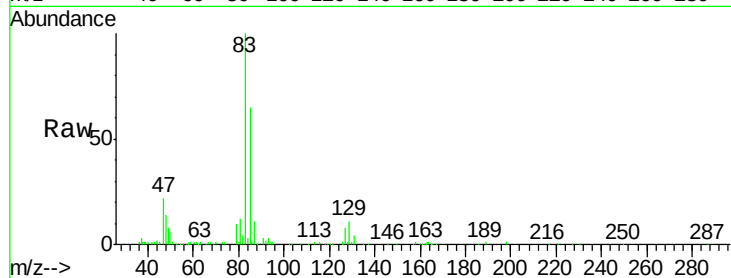
ClientSampleId :

VW0122SBSD01

Tot Ion:	83	Resp:	34637
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4
127	7.5	6.8	10.2

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MMDadoda
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#48

Methyl methacrylate

Concen: 18.560 ug/l

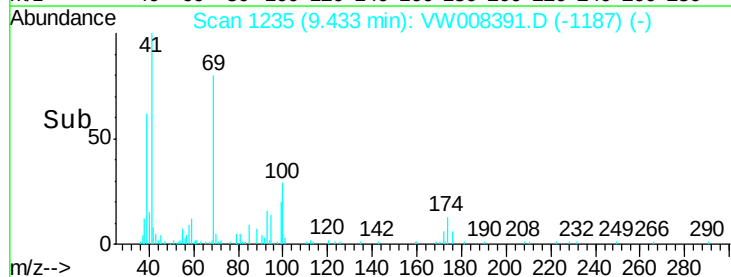
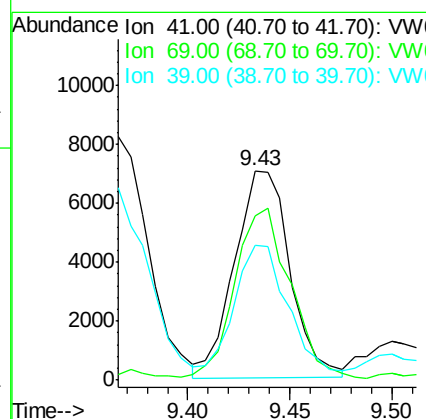
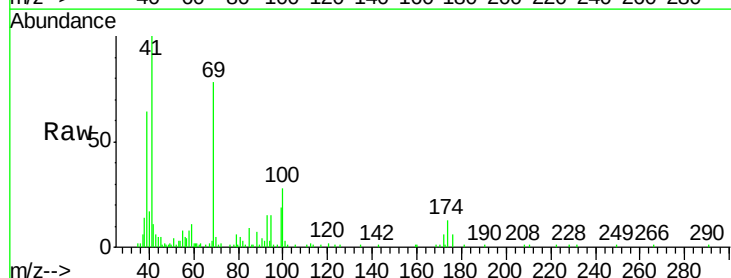
RT: 9.43 min Scan# 1235

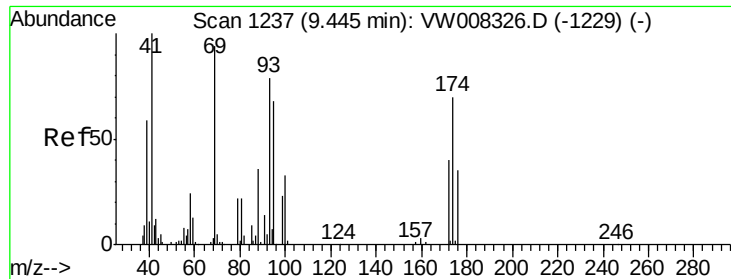
Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	41	Resp:	13266
Ion	Ratio	Lower	Upper
41	100		
69	81.4	68.2	102.4
39	55.3	46.0	69.0





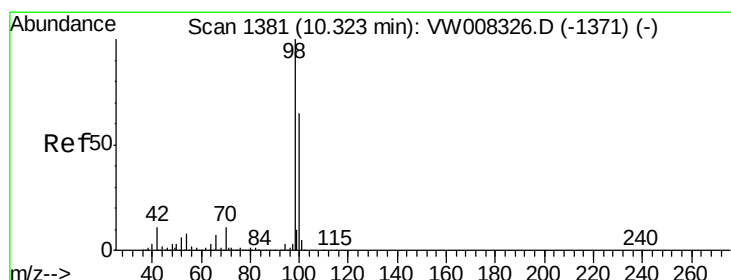
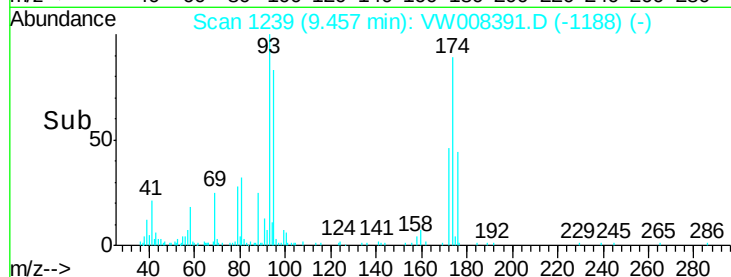
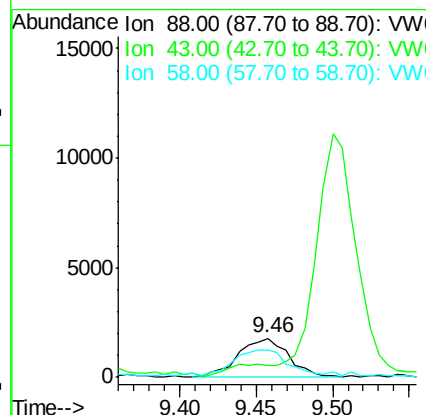
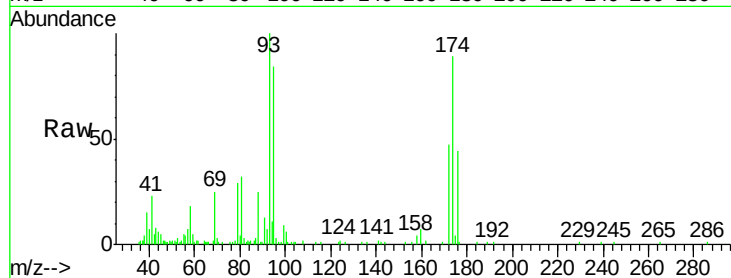
#49
1,4-Dioxane
Concen: 356.210 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	27.1	40.7
58	74.6	57.9	86.9

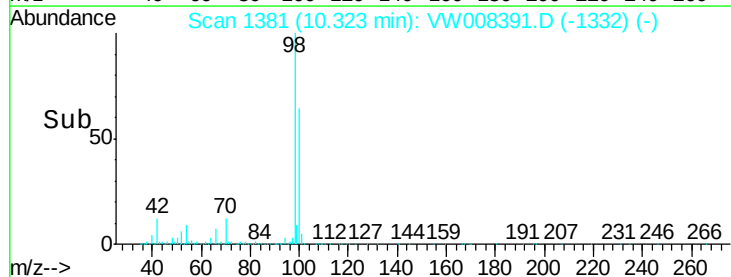
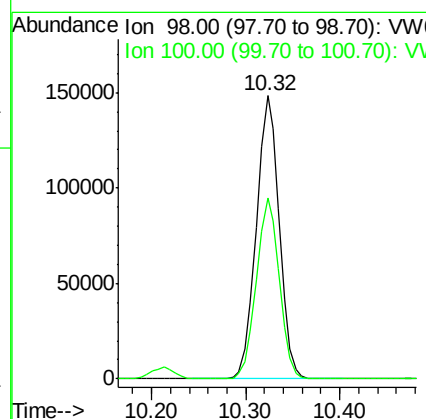
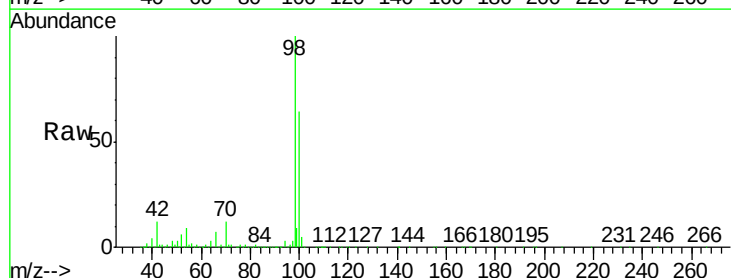
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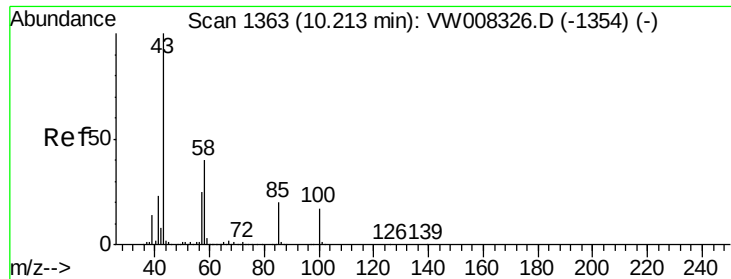
MMDadoda
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#50
Toluene-d8
Concen: 52.320 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8





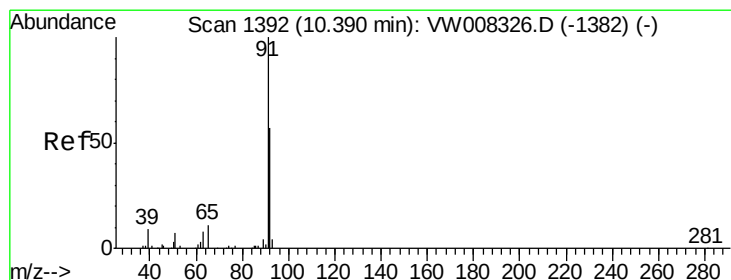
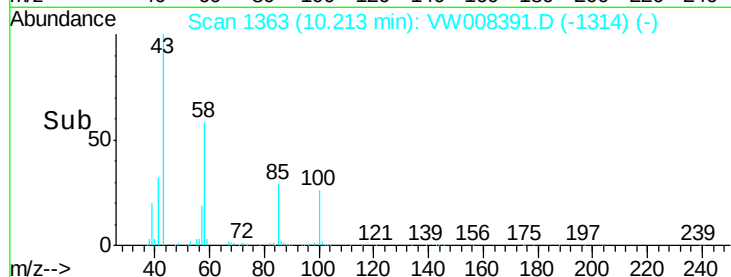
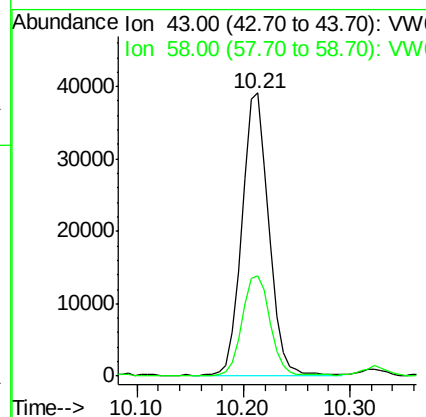
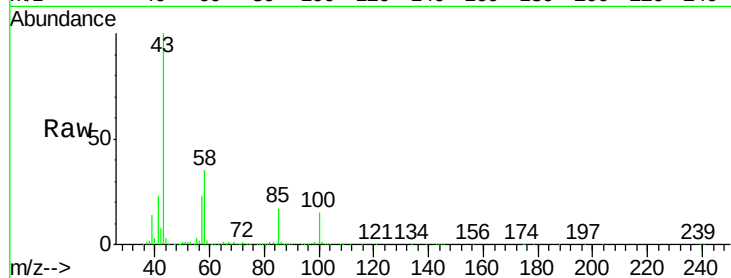
#51
4-Methyl-2-Pentanone
Concen: 90.228 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tot Ion: 43 Resp: 69369
Ion Ratio Lower Upper
43 100
58 37.5 31.4 47.0

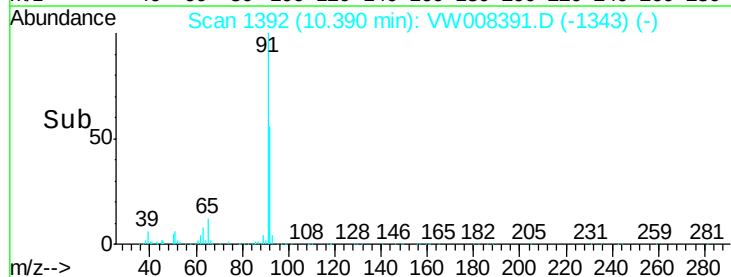
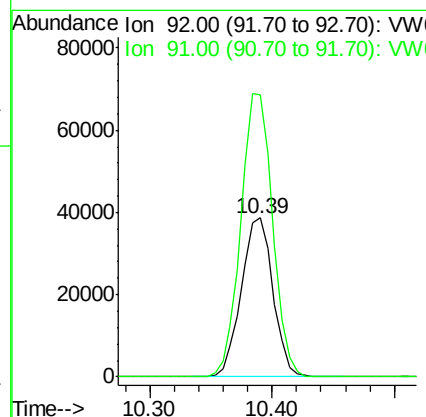
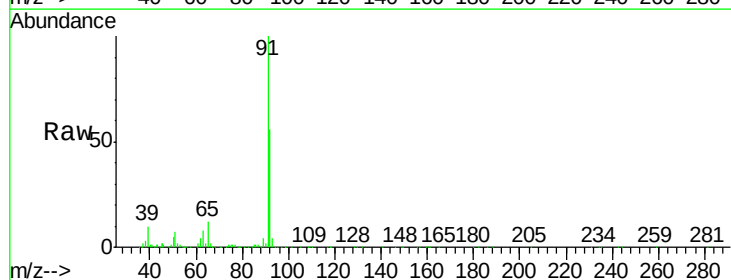
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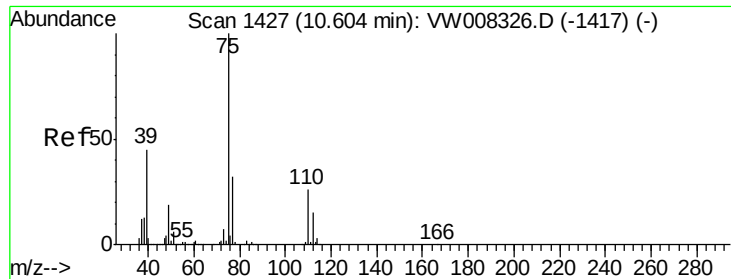
MMDadoda
1/23/2019 11:42:41 AM



#52
Toluene
Concen: 19.824 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 92 Resp: 69268
Ion Ratio Lower Upper
92 100
91 178.5 140.2 210.2





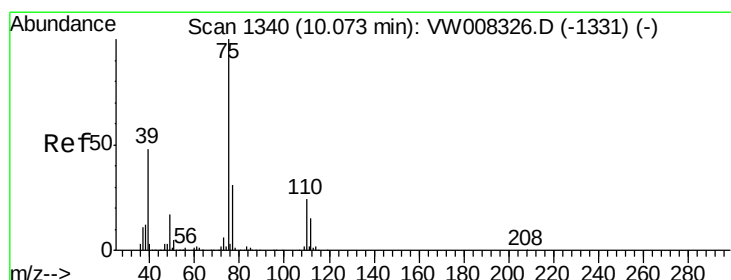
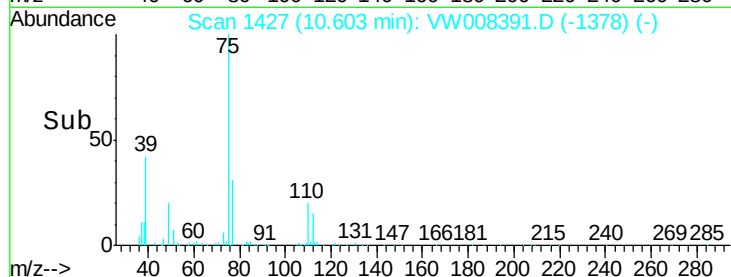
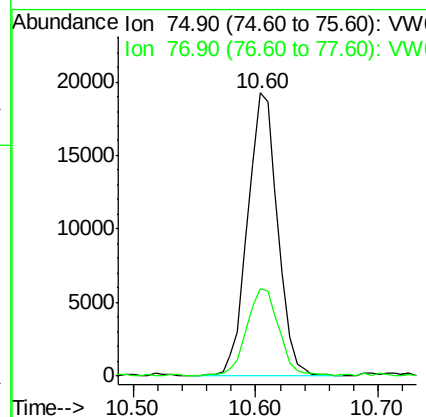
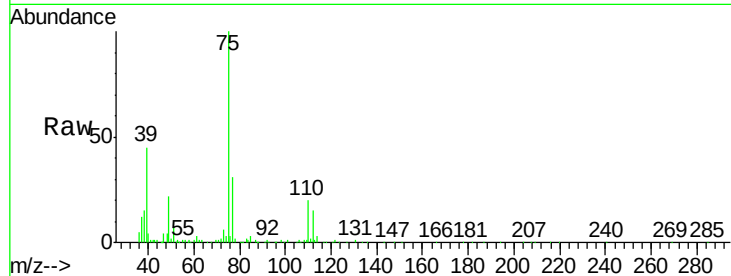
#53
 t-1,3-Dichloropropene
 Concen: 18.794 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion: 75 Resp: 33074
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.8 38.8

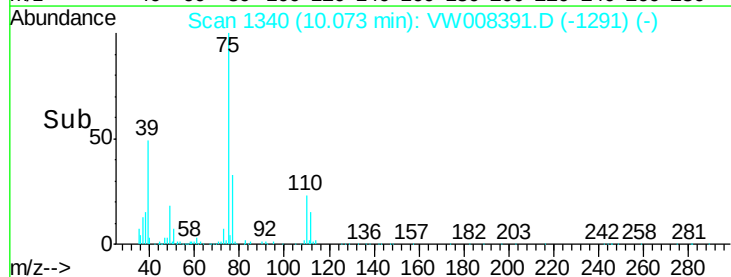
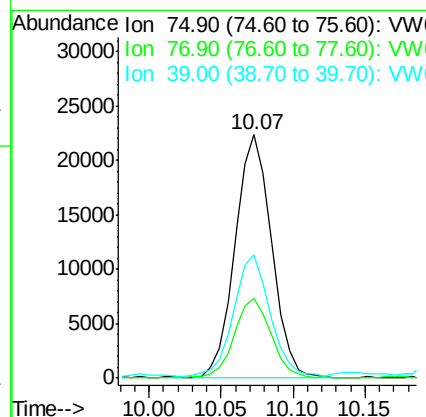
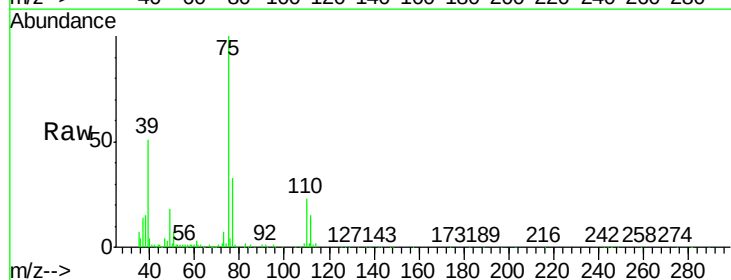
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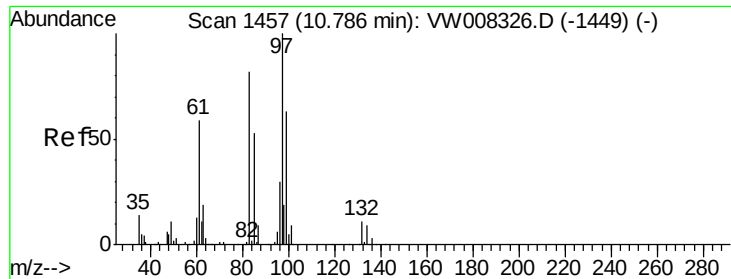
MMDadoda
 1/23/2019 11:42:41 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.050 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion: 75 Resp: 39520
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.4 36.6
 39 49.2 38.6 57.8





#55

1,1,2-Trichloroethane

Concen: 19.220 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

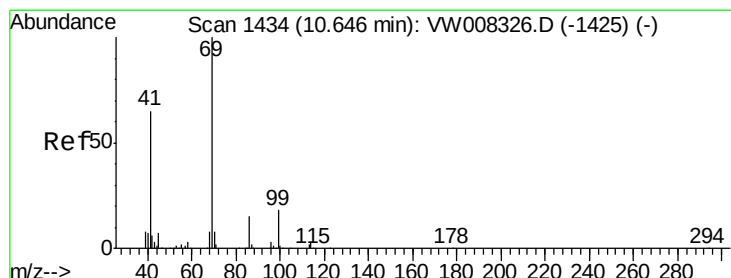
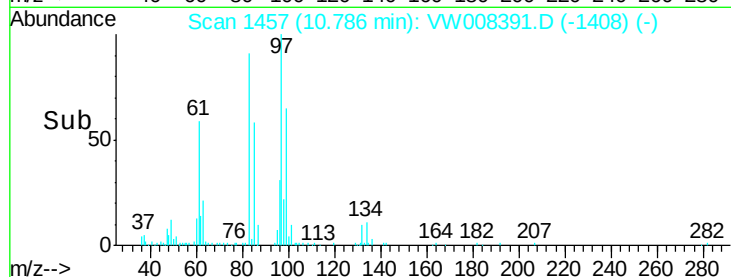
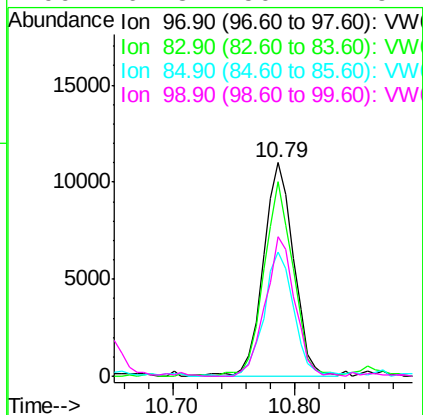
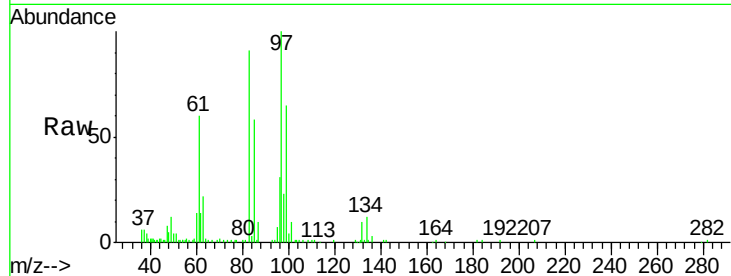
ClientSampleId :

VW0122SBSD01

Tot Ion	97	Resp:	19056
Ion	Ratio	Lower	Upper
97	100		
83	90.4	65.3	97.9
85	57.9	42.6	64.0
99	64.8	50.2	75.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.748 ug/l

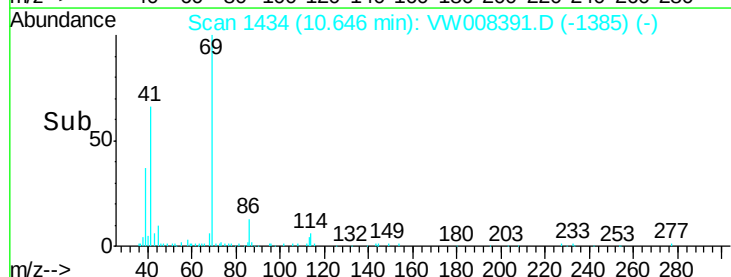
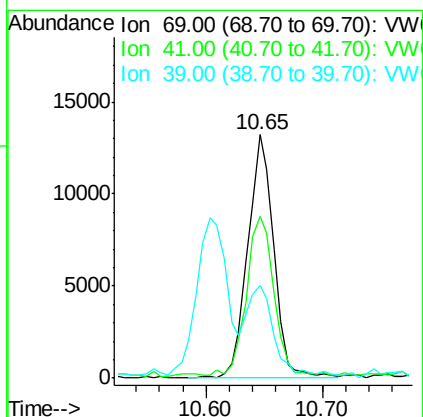
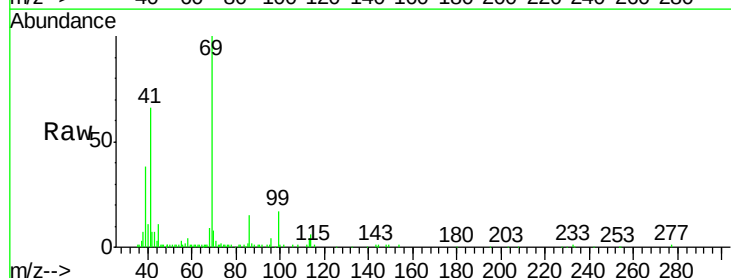
RT: 10.65 min Scan# 1434

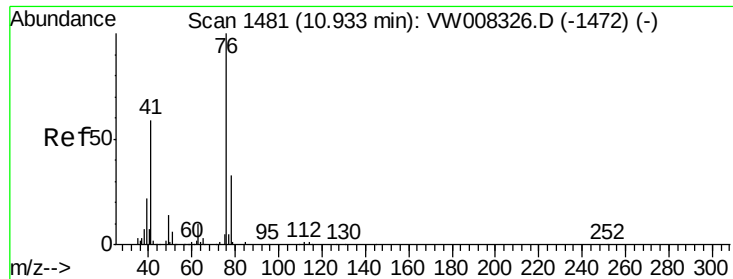
Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion	69	Resp:	20665
Ion	Ratio	Lower	Upper
69	100		
41	67.5	52.9	79.3
39	35.9	28.4	42.6





#57

1,3-Dichloropropane

Concen: 18.820 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 76 Resp: 32398

Ion Ratio Lower Upper

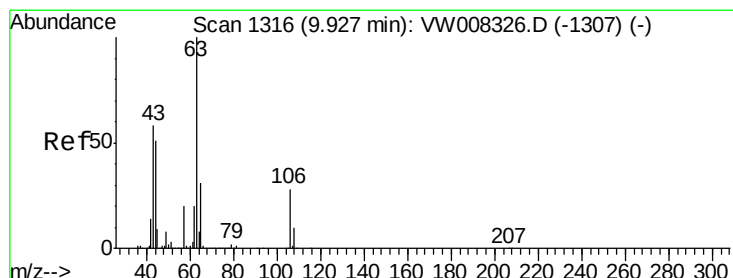
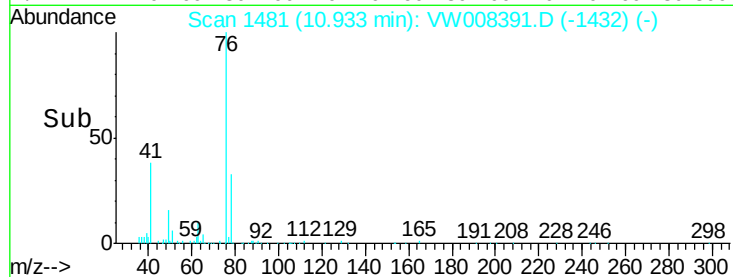
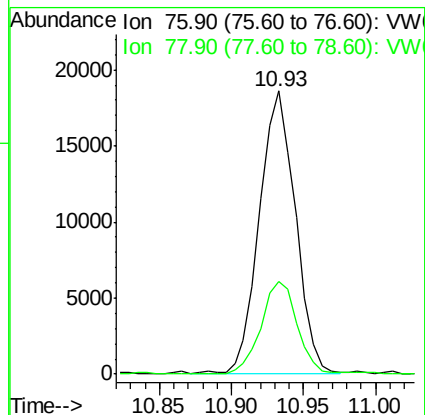
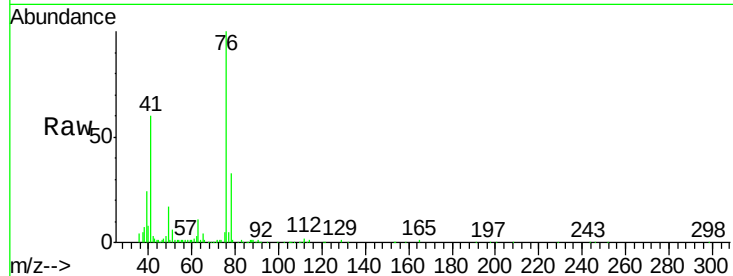
76 100

78 33.2 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 100.157 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008391.D

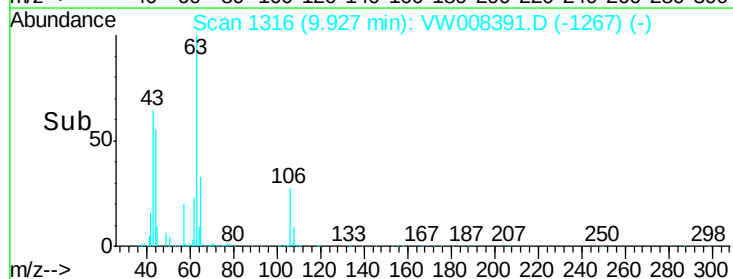
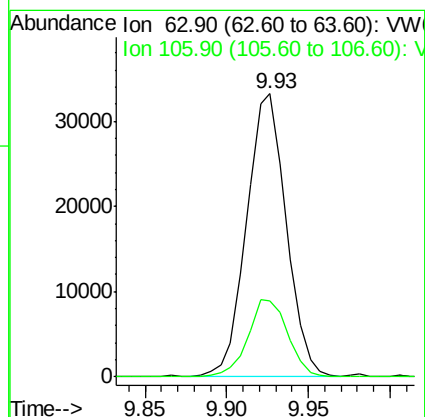
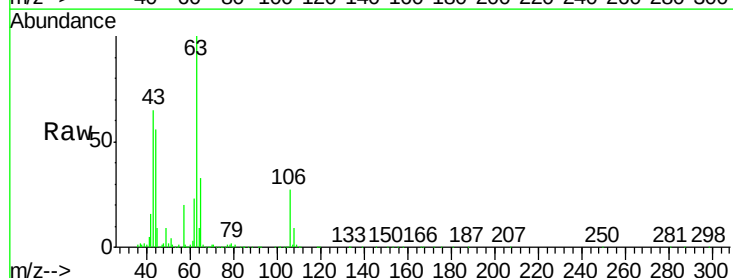
Acq: 22 Jan 2019 16:22

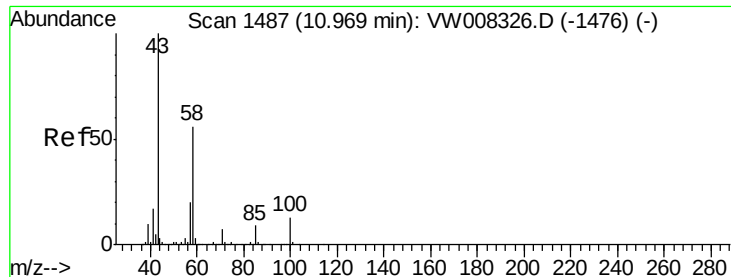
Tgt Ion: 63 Resp: 56253

Ion Ratio Lower Upper

63 100

106 27.5 22.9 34.3





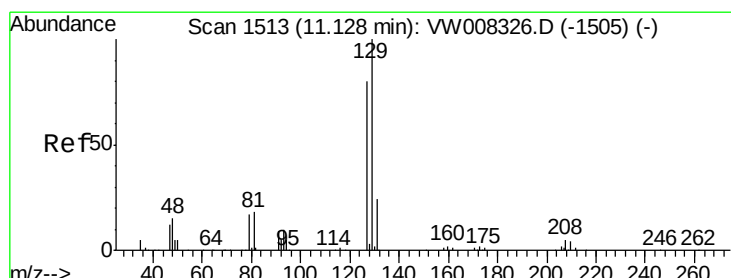
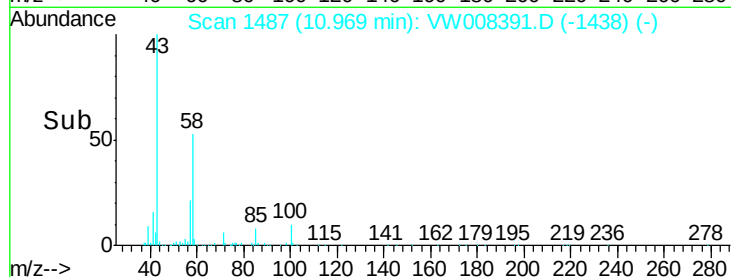
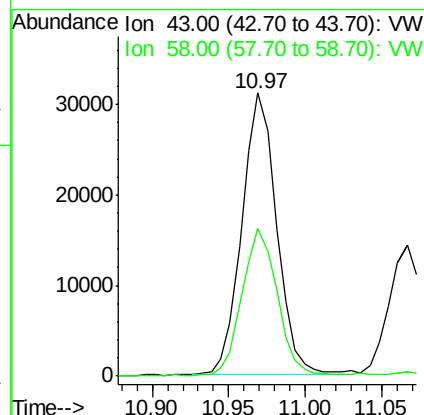
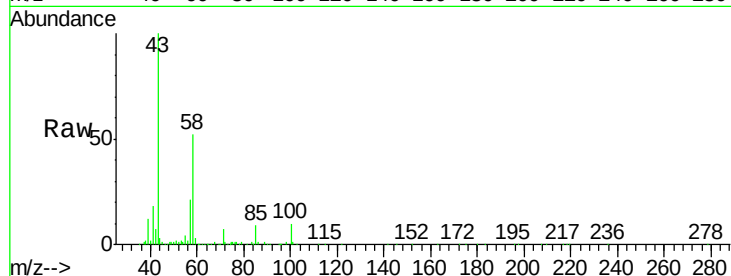
#59
2-Hexanone
Concen: 91.663 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	43	Resp	49377
Ion Ratio	Lower	Upper	
43	100		
58	53.4	27.5	82.5

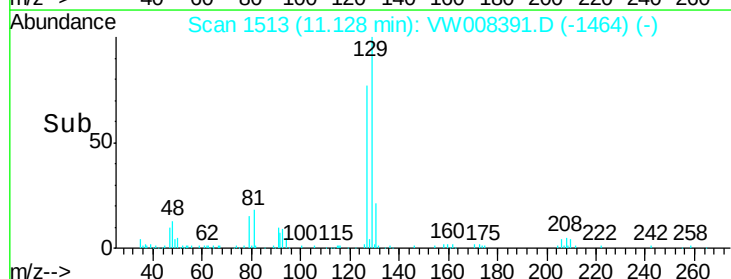
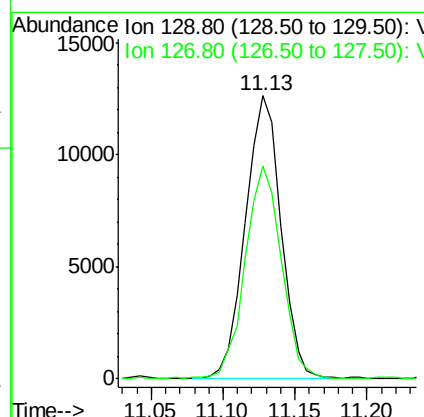
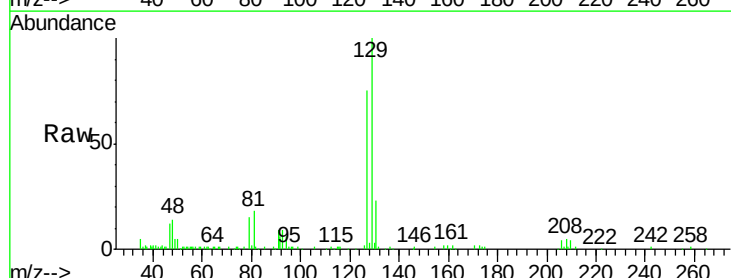
Manual Integrations
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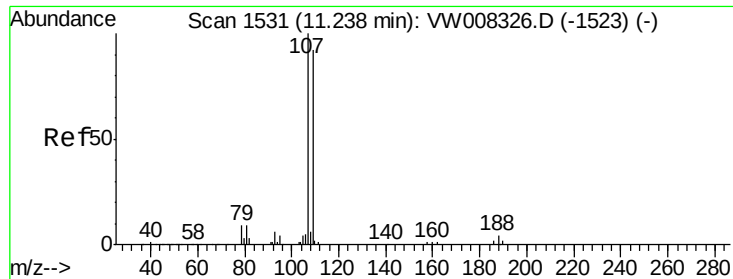
MMDadoda
1/23/2019 11:42:41 AM



#60
Dibromochloromethane
Concen: 18.298 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	129	Resp	21652
Ion Ratio	Lower	Upper	
129	100		
127	76.9	39.1	117.2





#61

1,2-Dibromoethane

Concen: 18.025 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 107 Resp: 17305

Ion Ratio Lower Upper

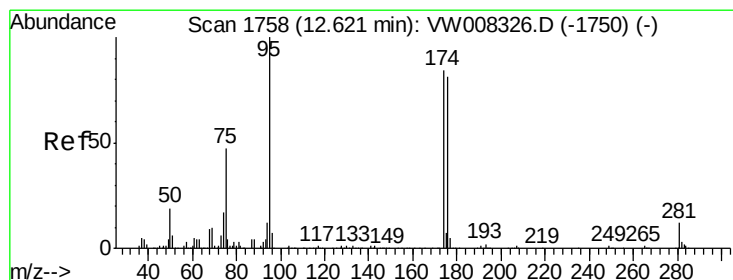
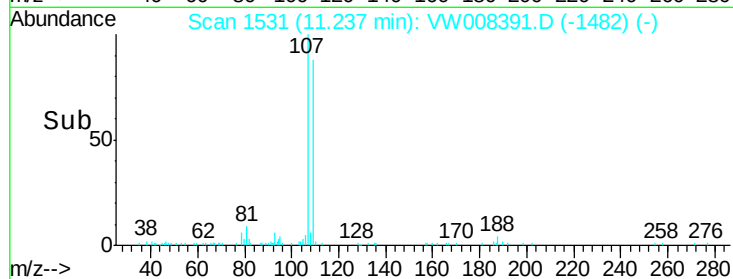
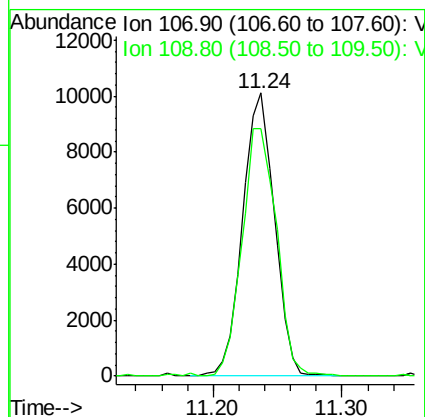
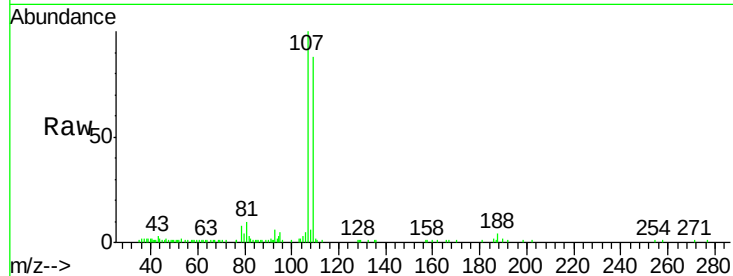
107 100

109 94.4 74.0 111.0

Manual Integrations
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1/23/2019 11:42:41 AM



#62

4-Bromofluorobenzene

Concen: 50.138 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

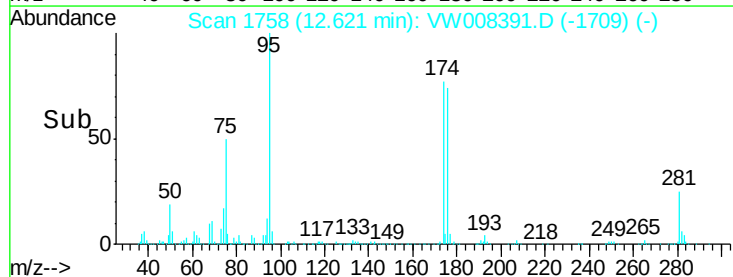
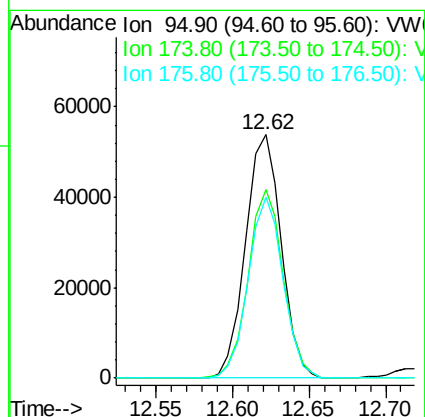
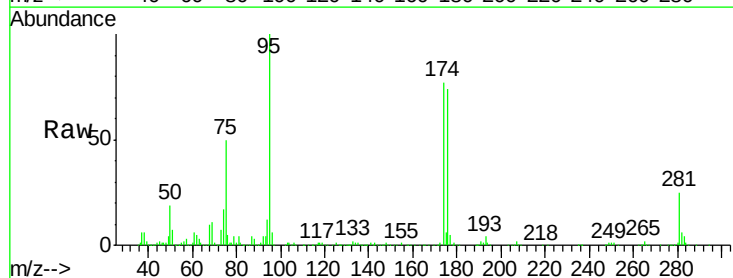
Tgt Ion: 95 Resp: 87365

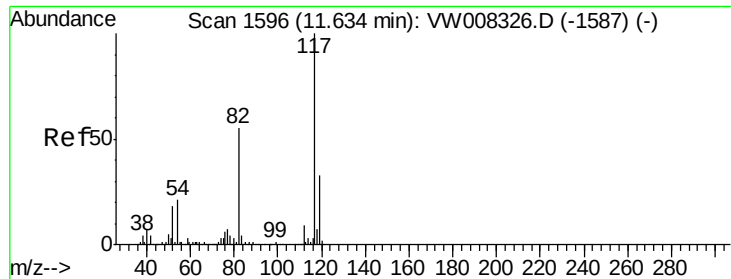
Ion Ratio Lower Upper

95 100

174 76.0 0.0 166.0

176 72.6 0.0 160.0





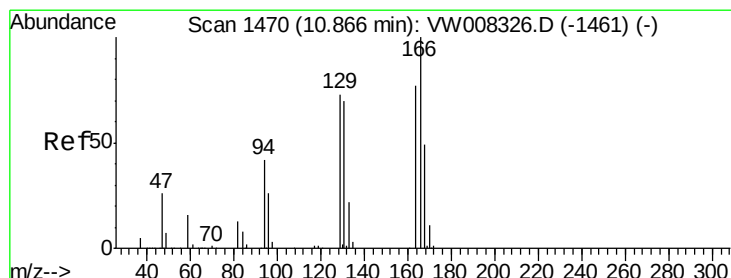
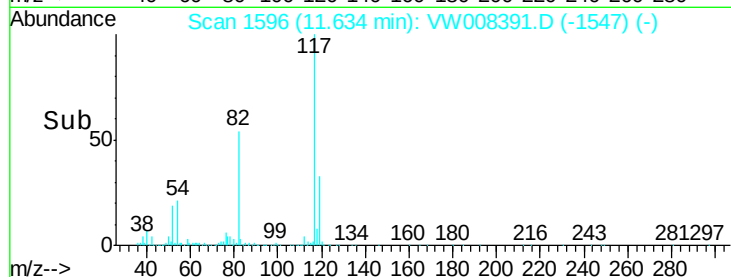
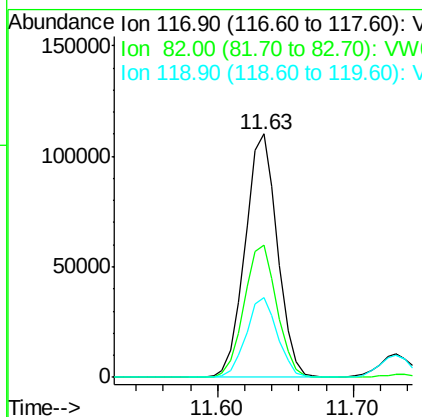
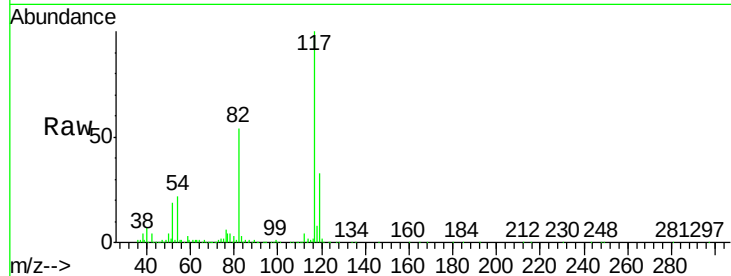
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.3	66.5
119	32.6	26.3	39.5

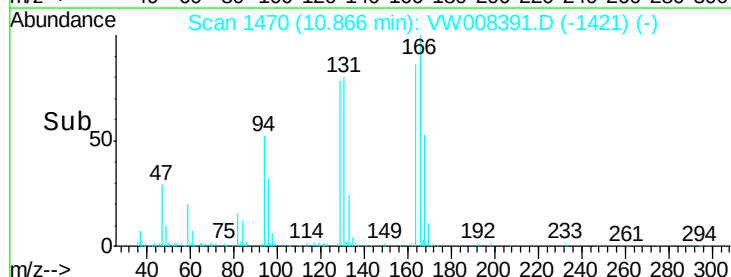
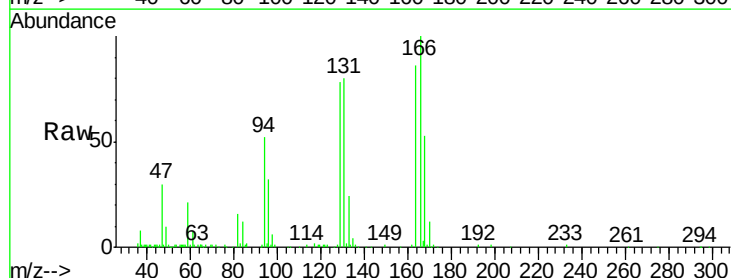
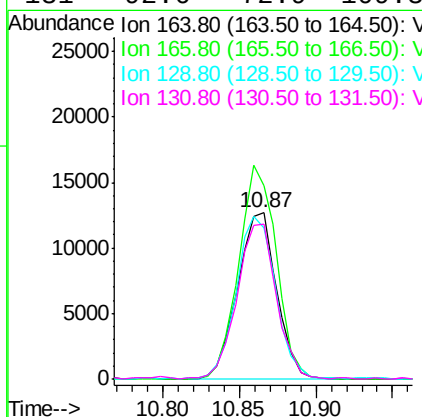
Manual Integrations
APPROVED

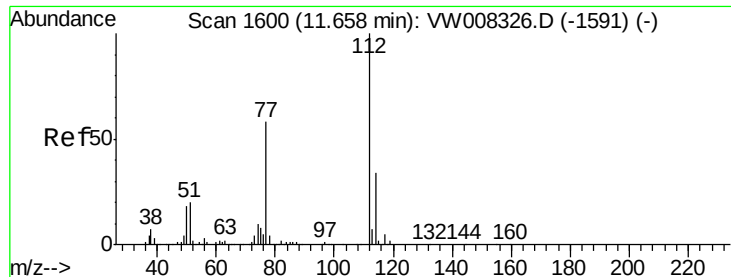
MMDadoda
1/23/2019 11:42:41 AM



#64
Tetrachloroethene
Concen: 17.540 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.2	103.4	155.2
129	90.5	75.0	112.6
131	92.6	72.9	109.3





#65

Chlorobenzene

Concen: 18.777 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion:112 Resp: 74977

Ion Ratio Lower Upper

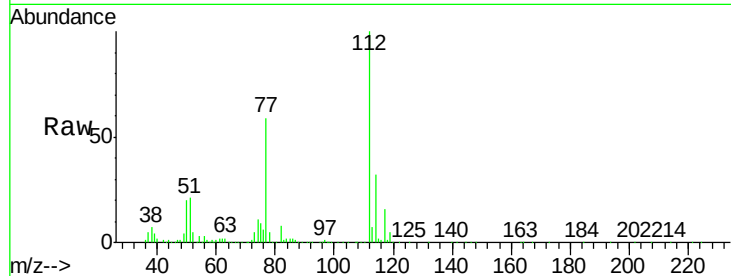
112 100

114 31.5 26.9 40.3

Manual Integrations
APPROVED

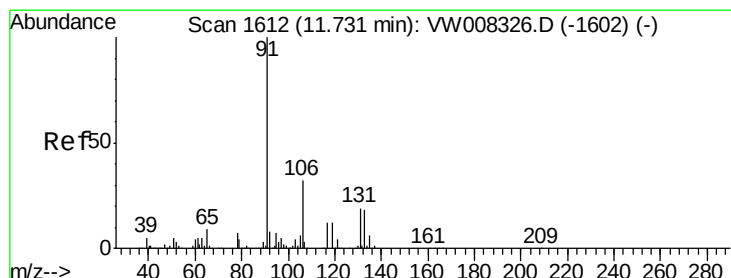
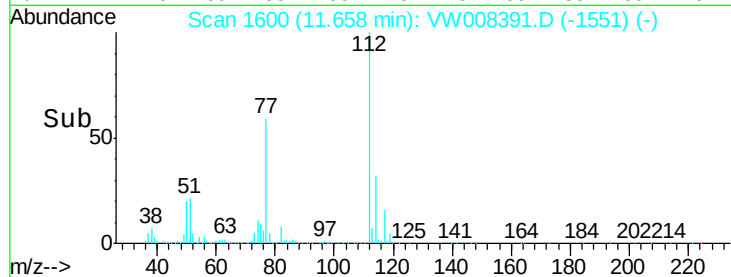
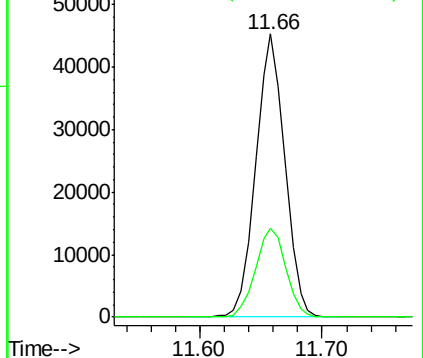
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.182 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

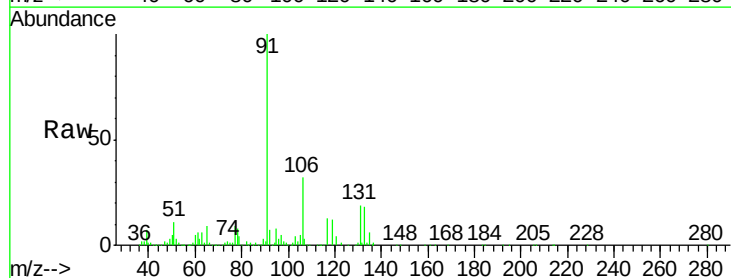
Tgt Ion:131 Resp: 24988

Ion Ratio Lower Upper

131 100

133 96.7 48.2 144.6

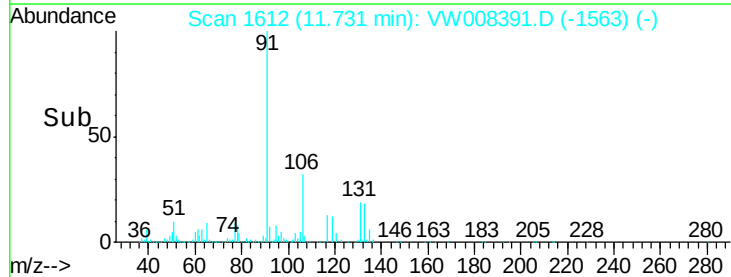
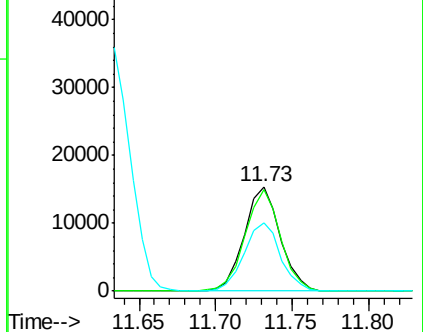
119 66.9 31.6 94.7

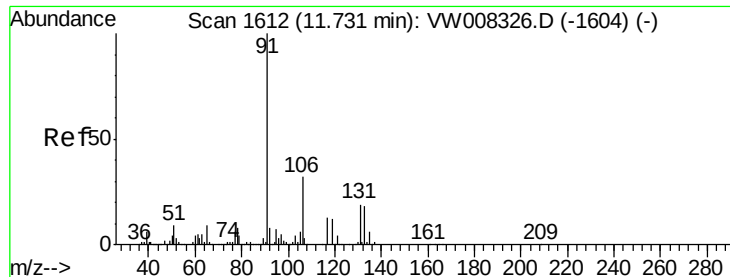


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.011 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBS01

Tot Ion: 91 Resp: 131808

Ion Ratio Lower Upper

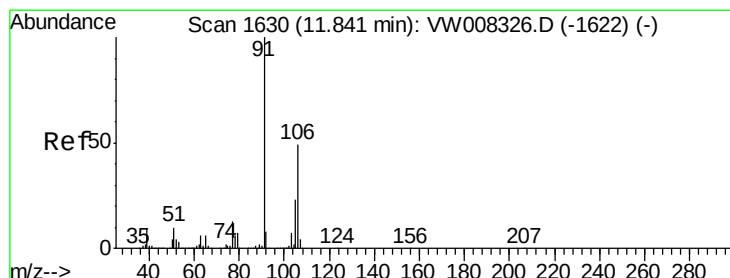
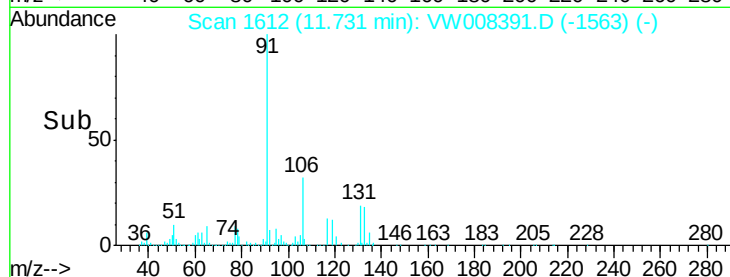
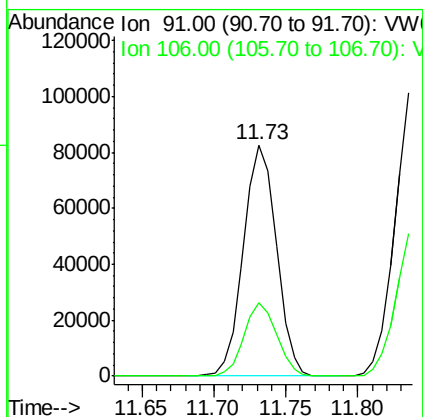
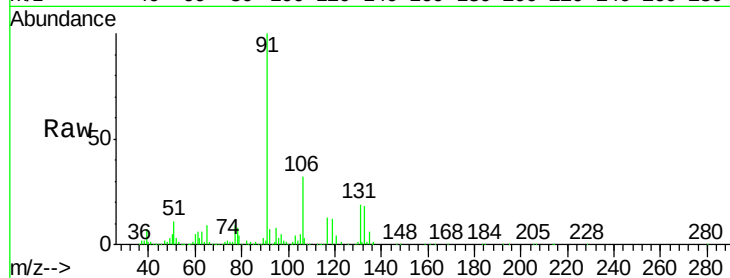
91 100

106 31.7 25.4 38.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.168 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008391.D

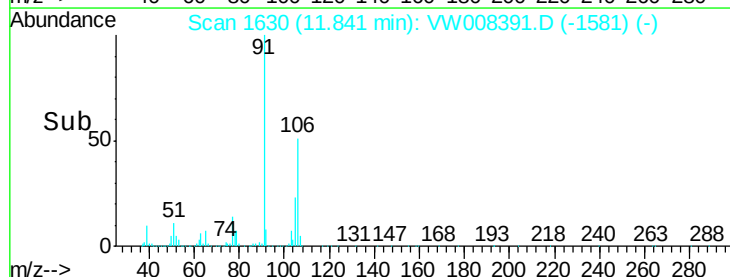
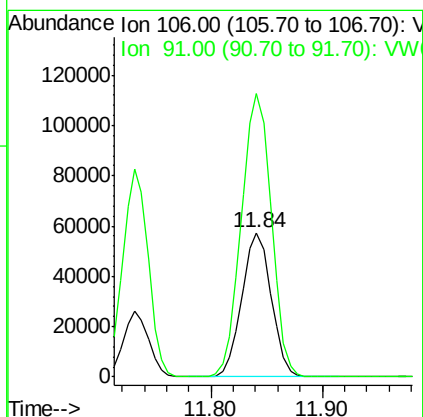
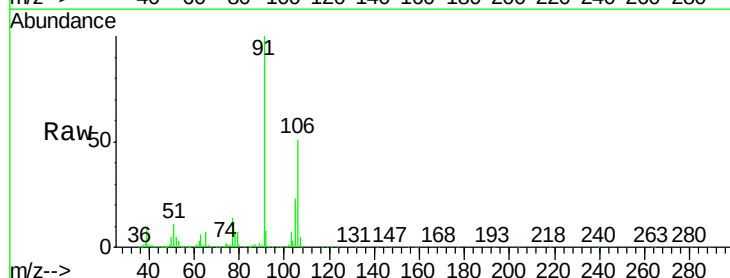
Acq: 22 Jan 2019 16:22

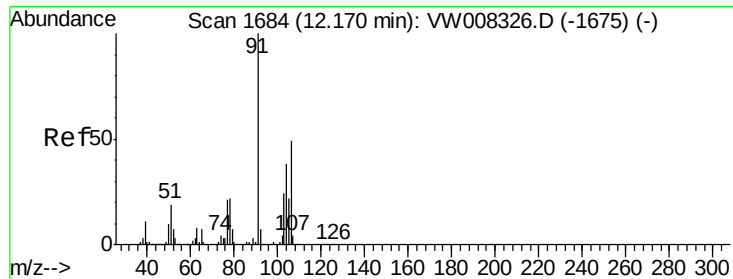
Tgt Ion: 106 Resp: 105403

Ion Ratio Lower Upper

106 100

91 199.9 158.4 237.6





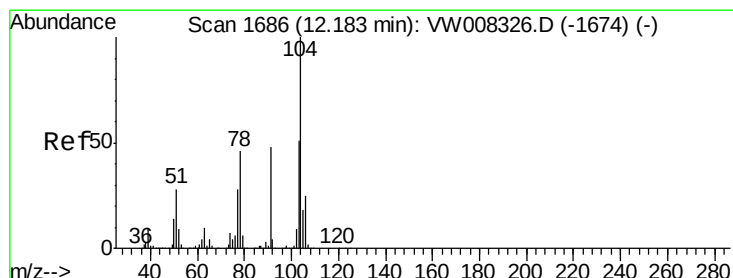
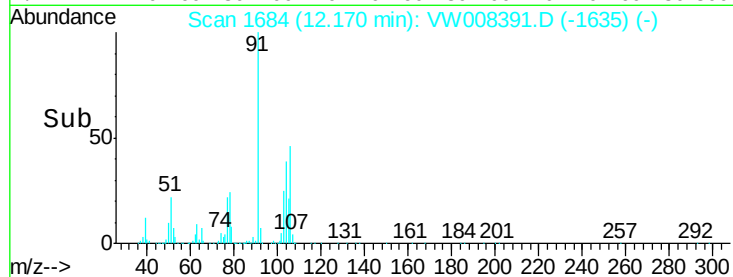
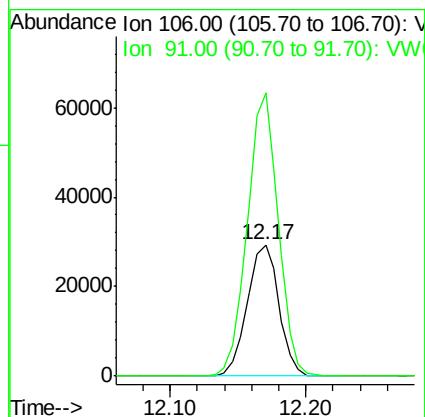
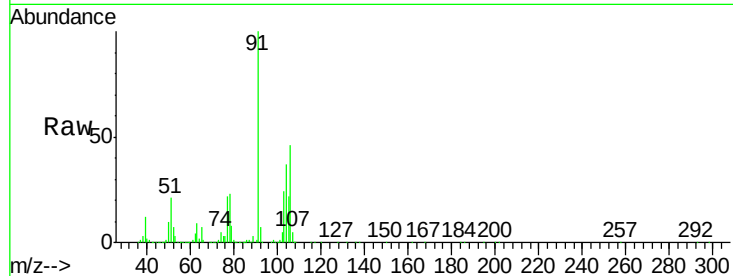
#69
o-Xylene
Concen: 19.073 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampled :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	104.1	312.3

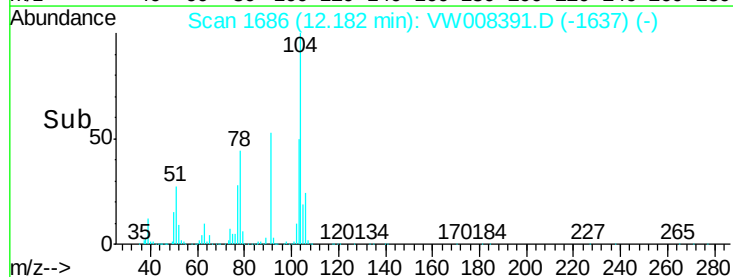
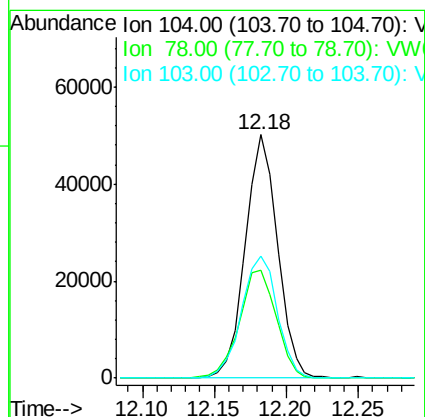
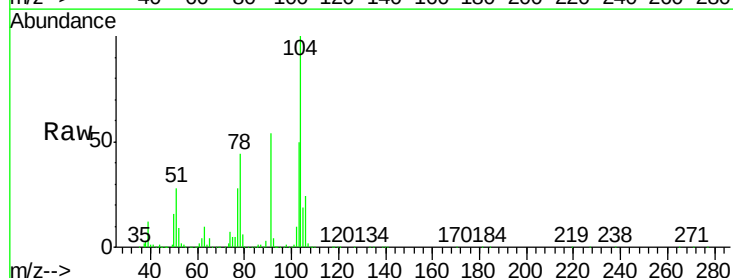
Manual Integrations
APPROVED

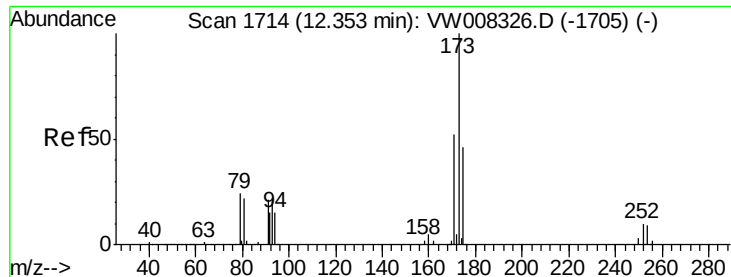
MMDadoda
1/23/2019 11:42:41 AM



#70
Styrene
Concen: 19.308 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	39.8	59.6
103	55.9	44.0	66.0





#71

Bromoform

Concen: 17.521 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

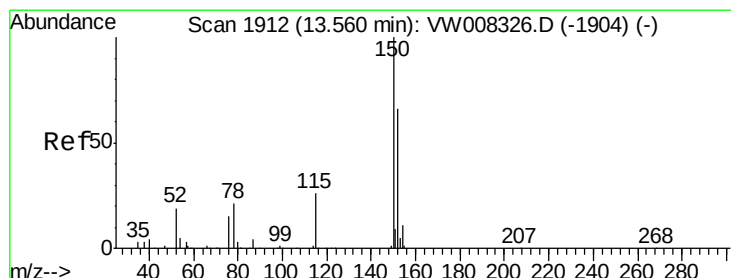
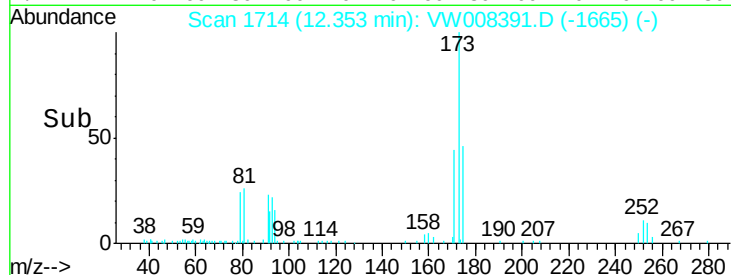
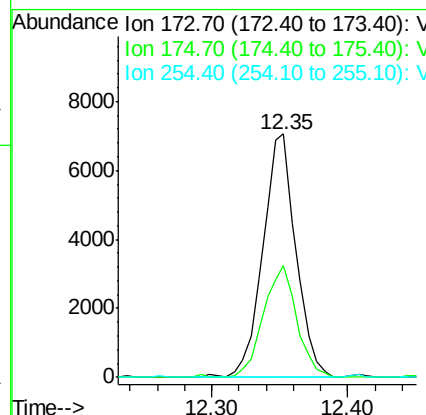
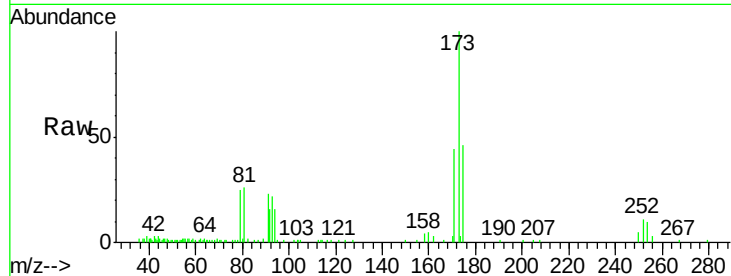
ClientSampleId :

VW0122SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	23.6	70.8
254	0.0	0.2	0.2

Manual Integrations
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1/23/2019 11:42:41 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

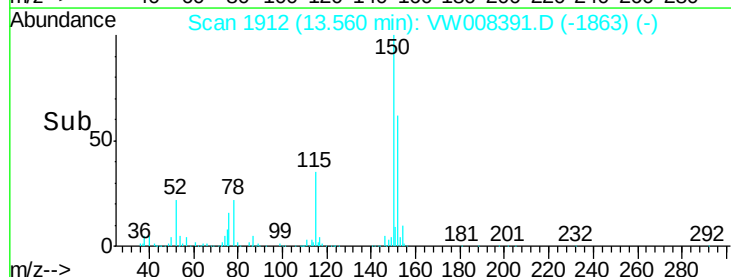
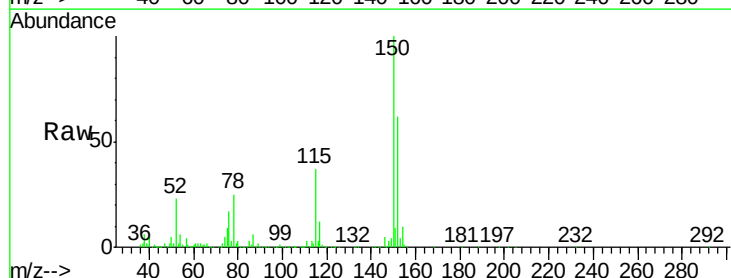
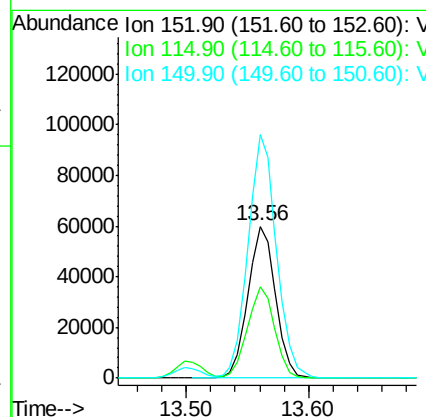
RT: 13.56 min Scan# 1912

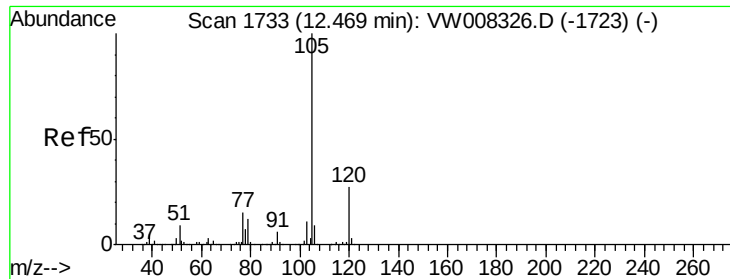
Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.8	86.4
150	165.4	0.0	351.4





#73

Isopropylbenzene

Concen: 19.946 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBS01

Tot Ion:105 Resp: 136146

Ion Ratio Lower Upper

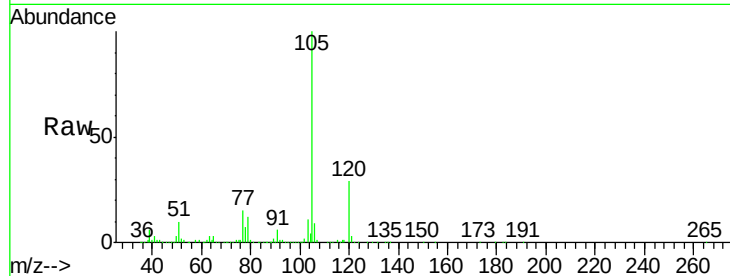
105 100

120 27.2 13.6 40.8

Manual Integrations
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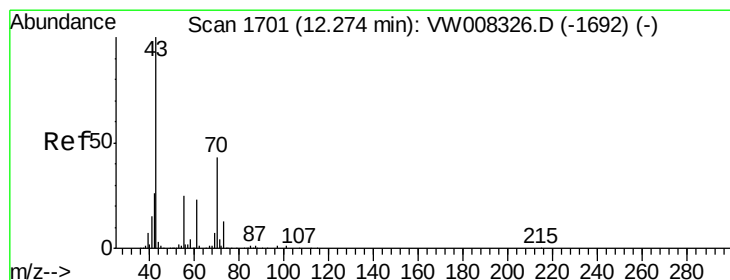
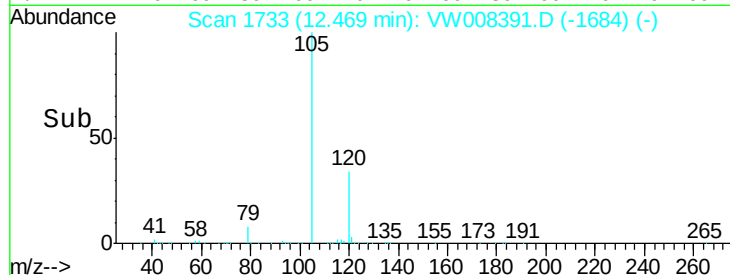
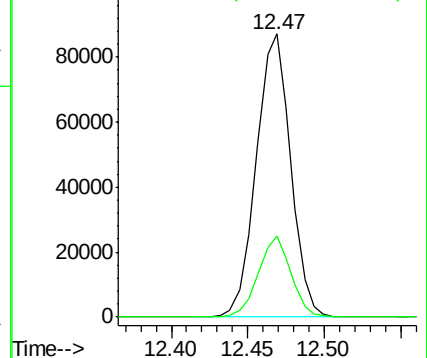
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.600 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion: 43 Resp: 24283

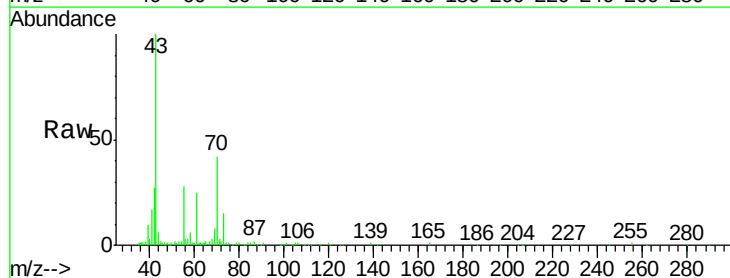
Ion Ratio Lower Upper

43 100

70 43.1 34.6 52.0

55 26.3 20.0 30.0

61 24.9 19.6 29.4

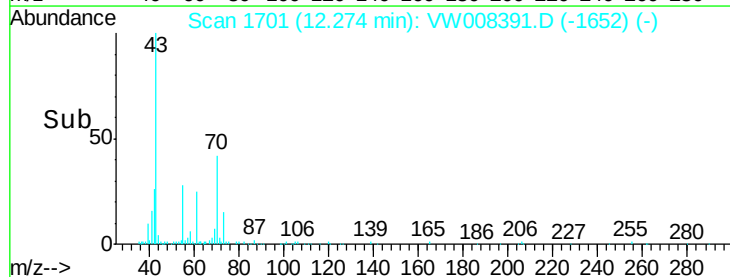
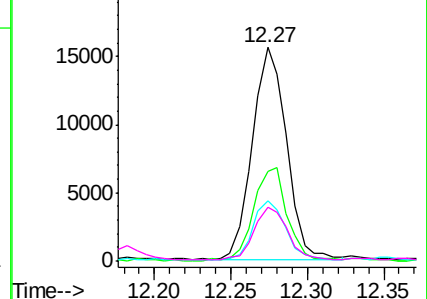


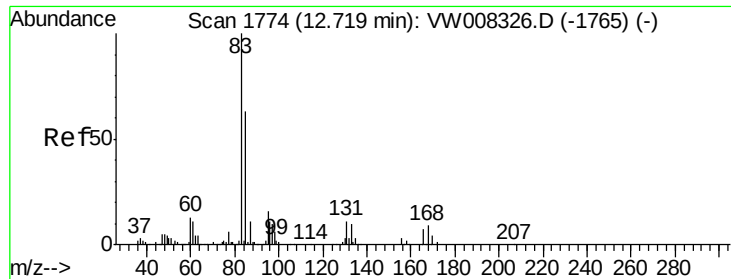
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 18.307 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

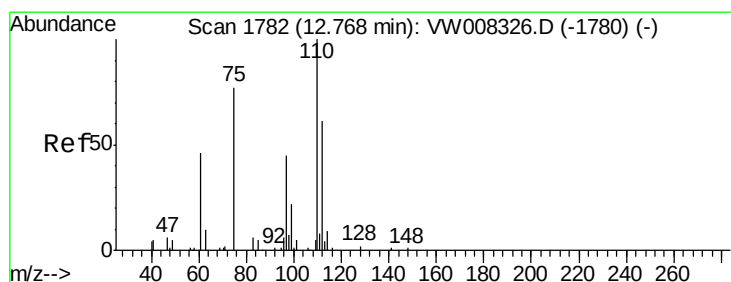
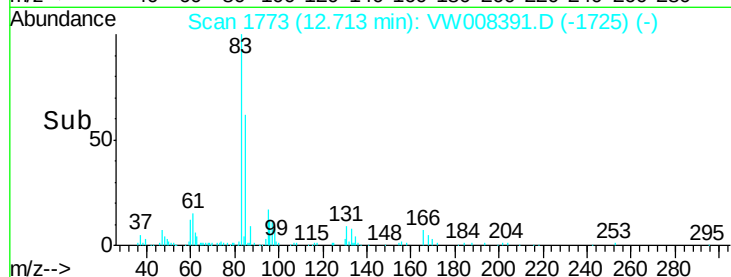
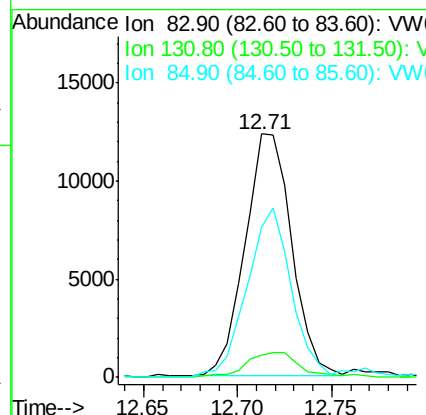
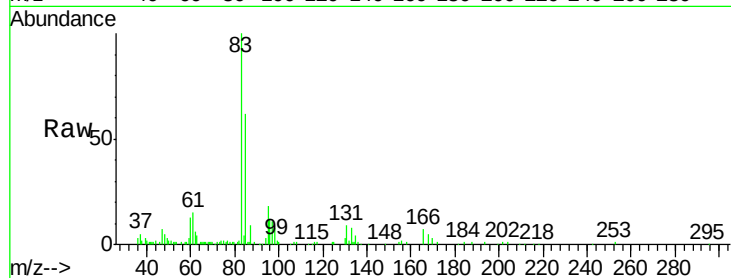
ClientSampleId :

VW0122SBS01

Tot Ion:	83	Resp:	21255
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.5	16.5
85	66.9	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.185 ug/l m

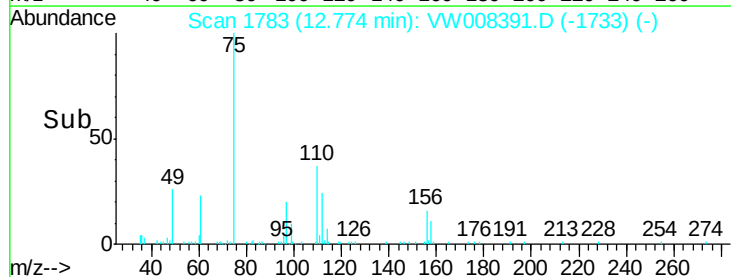
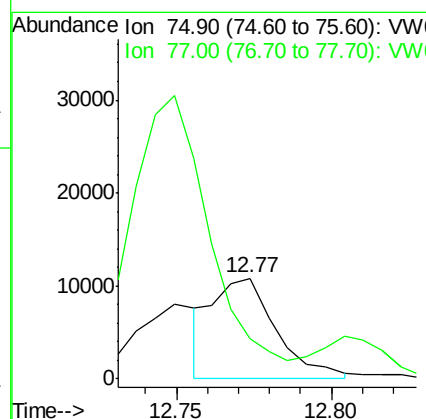
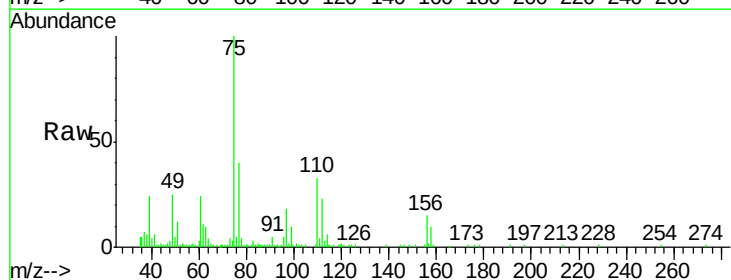
RT: 12.77 min Scan# 1783

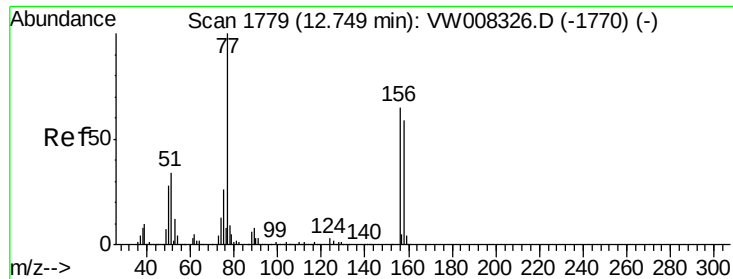
Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	75	Resp:	15514
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.3	526.1#





#77

Bromobenzene

Concen: 18.022 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

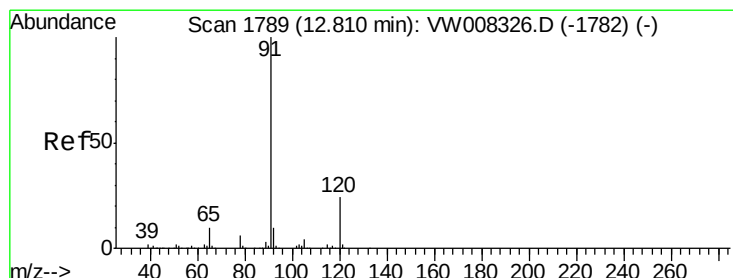
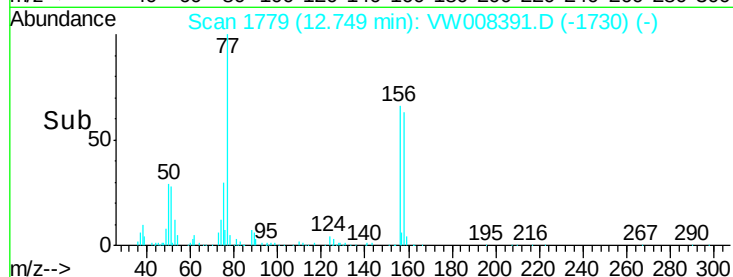
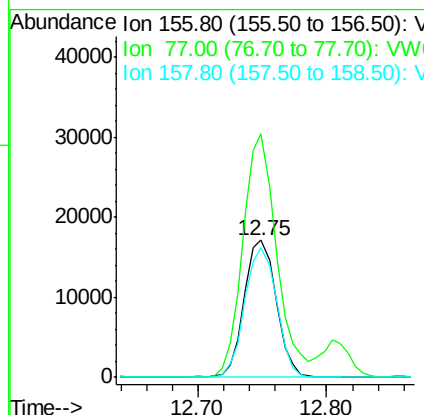
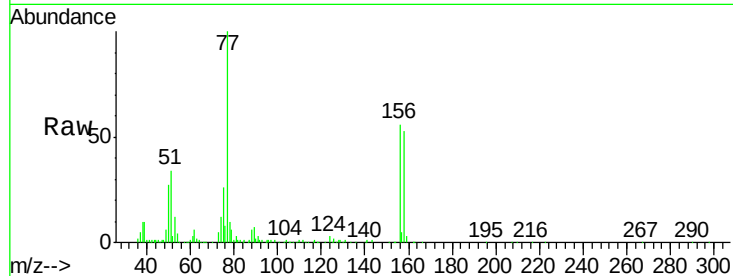
ClientSampleId :

VW0122SBS01

Tot Ion:	156	Resp:	29548
Ion Ratio	Lower	Upper	
156	100		
77	186.8	88.3	264.9
158	93.7	47.6	142.8

Manual Integrations
APPROVED

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#78

n-propylbenzene

Concen: 20.010 ug/l

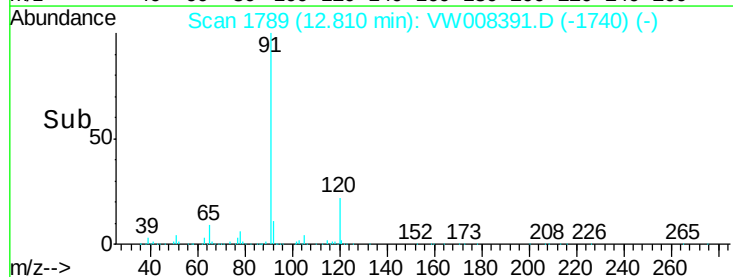
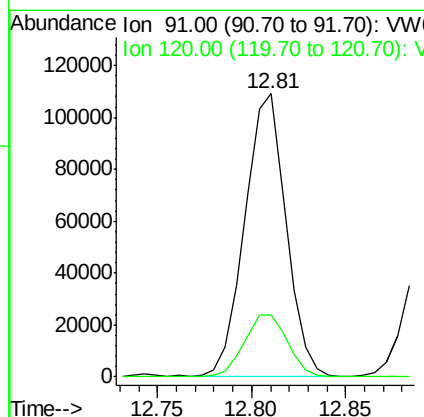
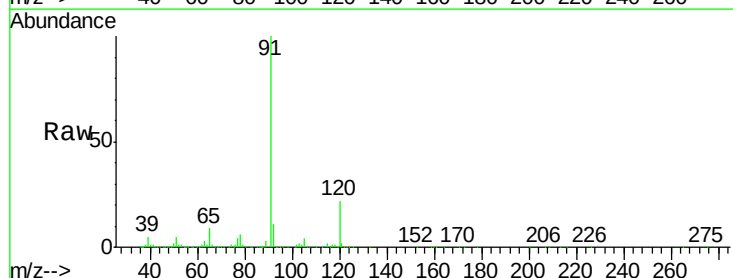
RT: 12.81 min Scan# 1789

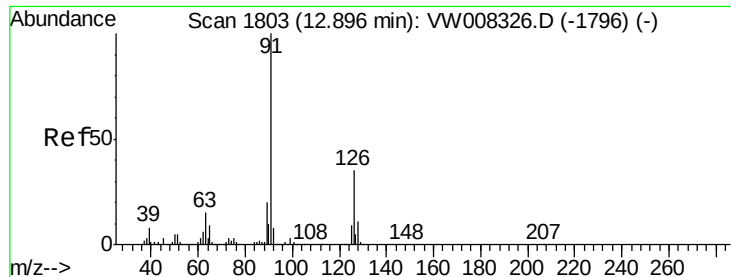
Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	91	Resp:	165320
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.7





#79

2-Chlorotoluene

Concen: 19.386 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 91 Resp: 91512

Ion Ratio Lower Upper

91 100

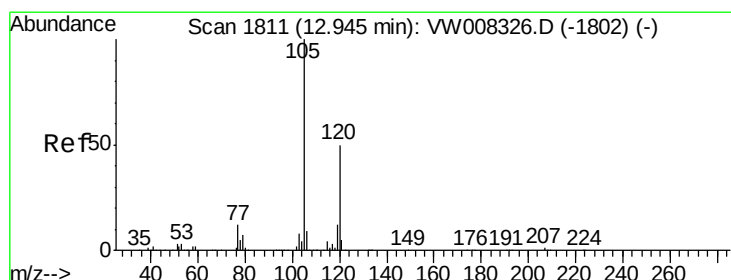
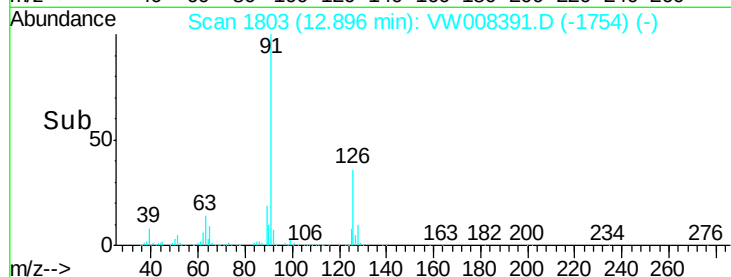
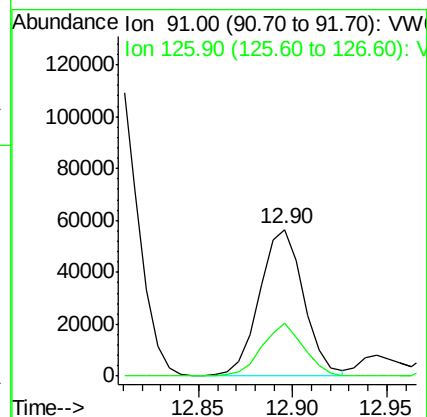
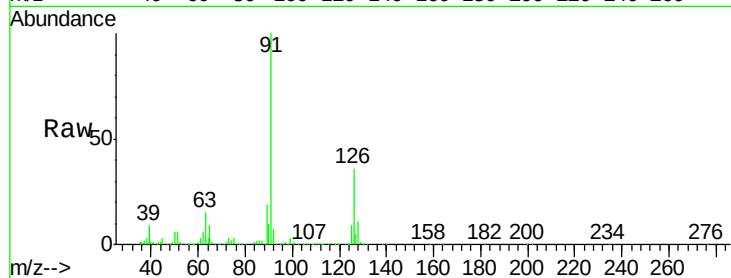
126 34.0 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.041 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008391.D

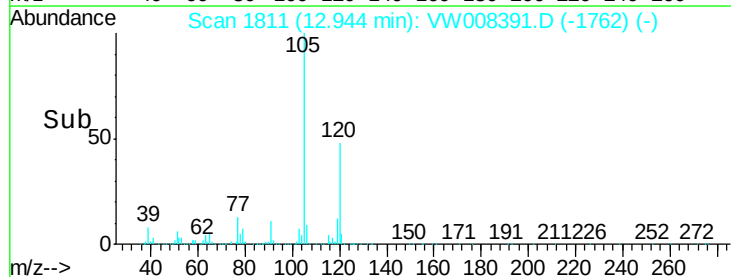
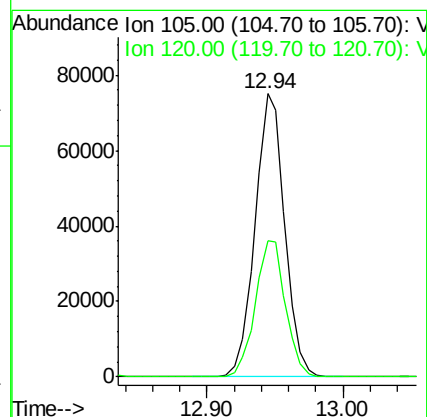
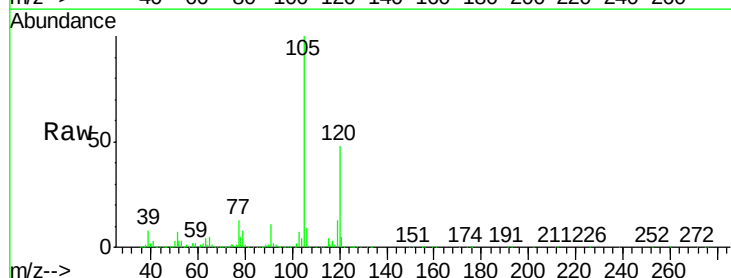
Acq: 22 Jan 2019 16:22

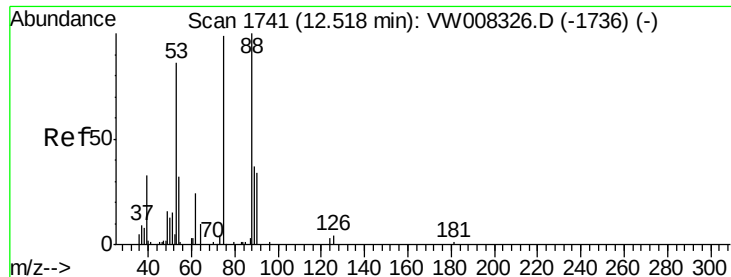
Tgt Ion:105 Resp: 114151

Ion Ratio Lower Upper

105 100

120 49.2 25.6 76.8





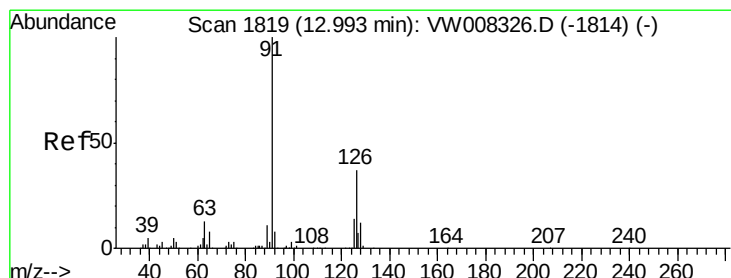
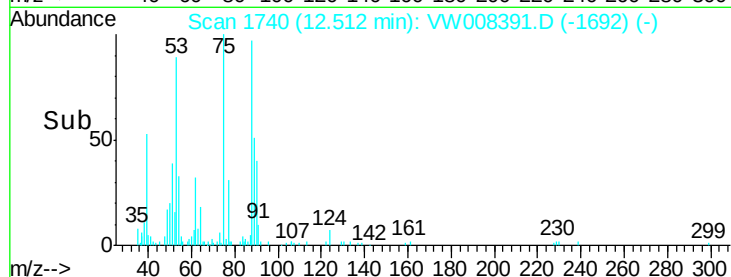
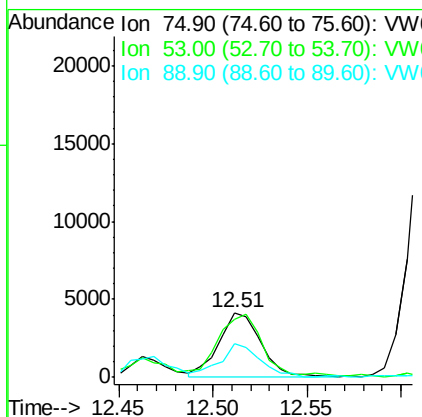
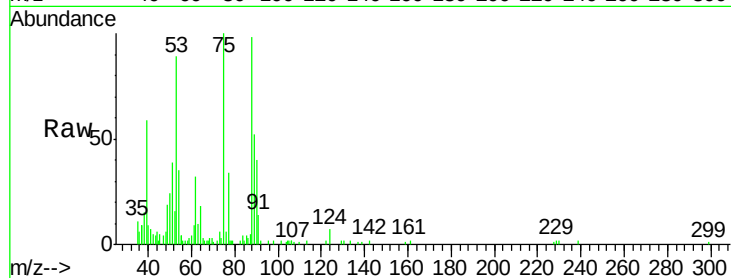
#81
trans-1,4-Dichloro-2-butene
Concen: 17.497 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.5	76.2	114.4
89	51.8	36.7	55.1

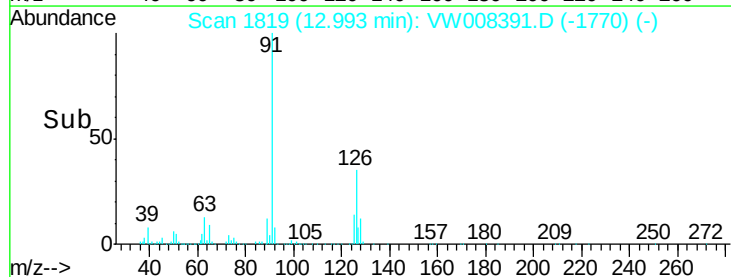
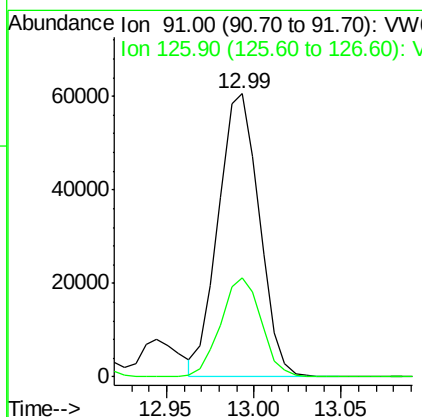
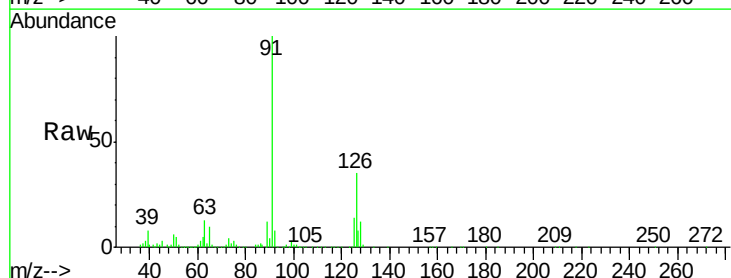
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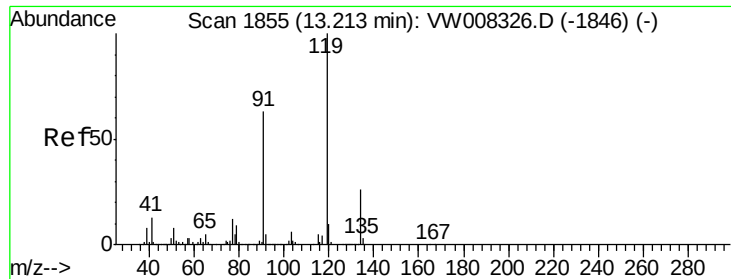
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#82
4-Chlorotoluene
Concen: 19.974 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.8	53.3





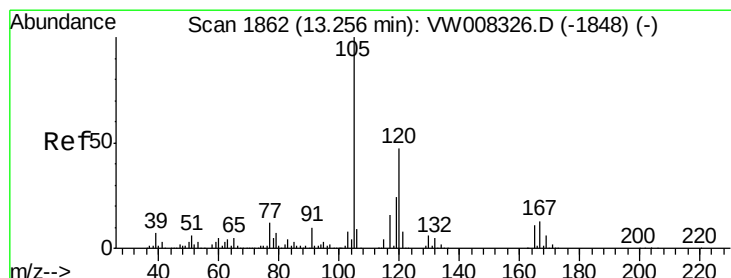
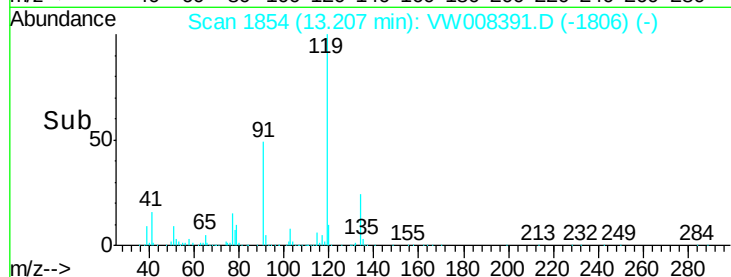
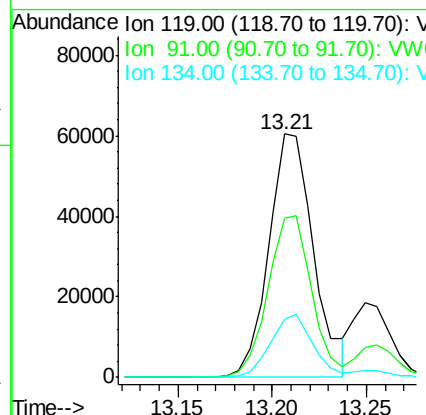
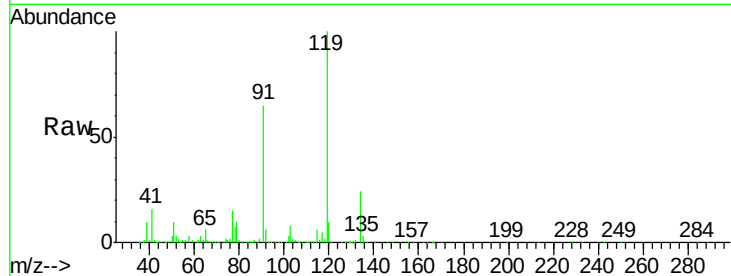
#83
 tert-Butylbenzene
 Concen: 19.851 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.4	97.0
134	24.9	13.9	41.7

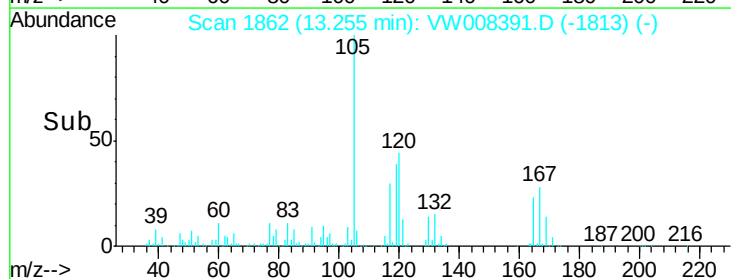
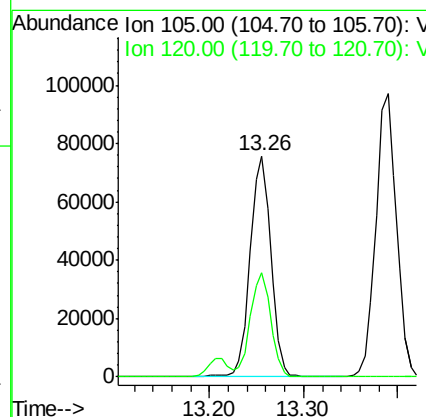
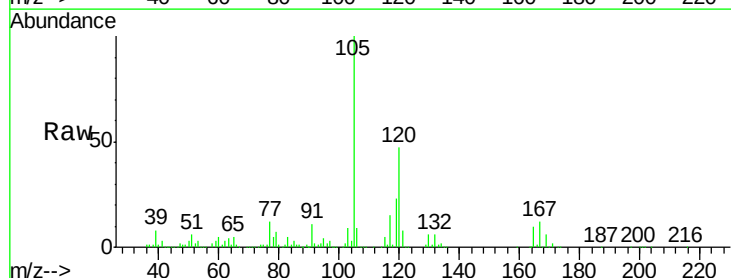
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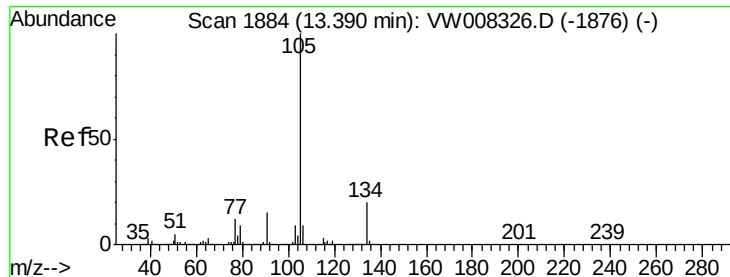
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.252 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.5	70.6





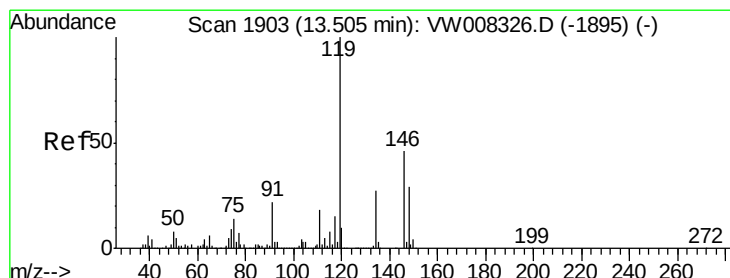
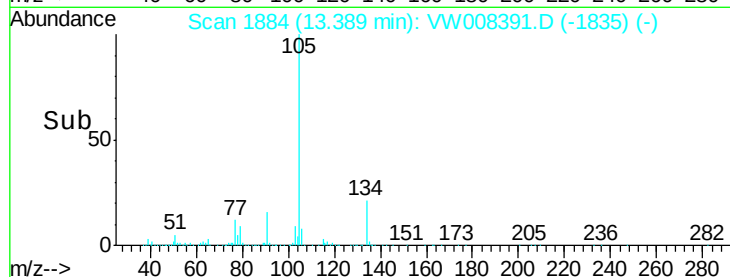
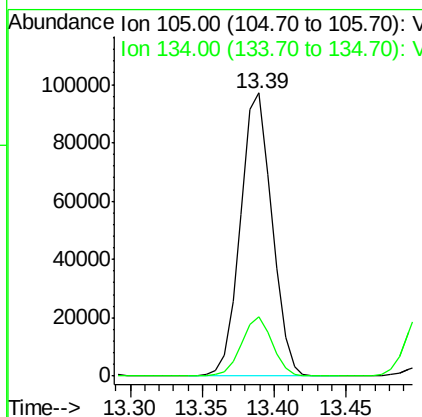
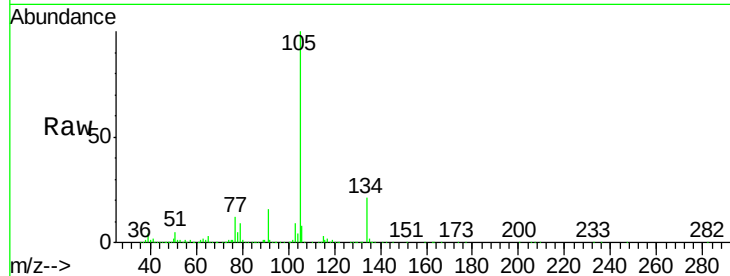
#85
 sec-Butylbenzene
 Concen: 20.491 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.3

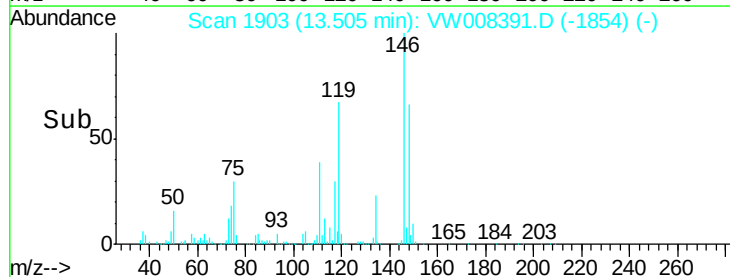
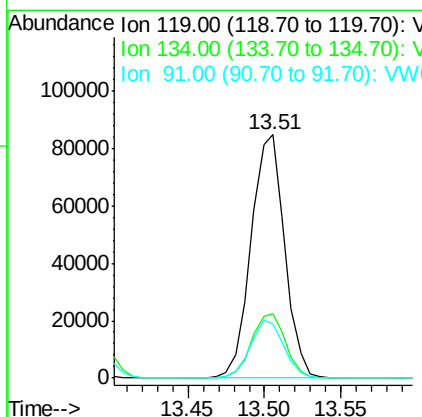
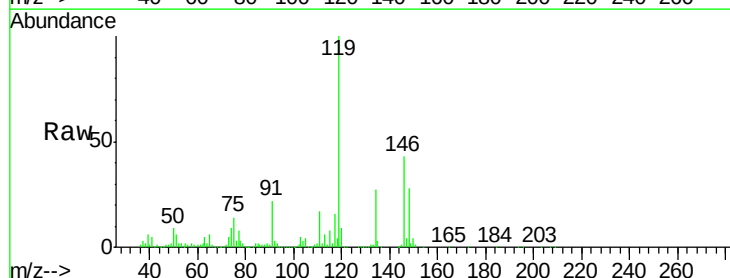
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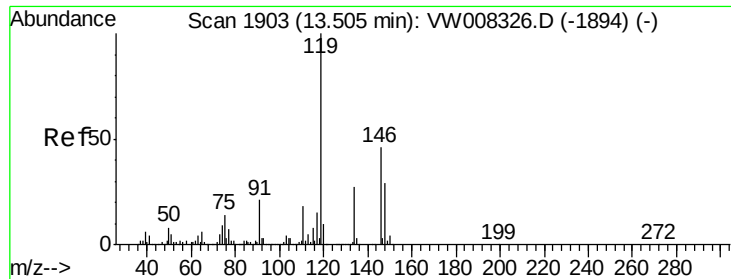
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#86
 p-Isopropyltoluene
 Concen: 20.478 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.7	41.0
91	24.1	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 19.331 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

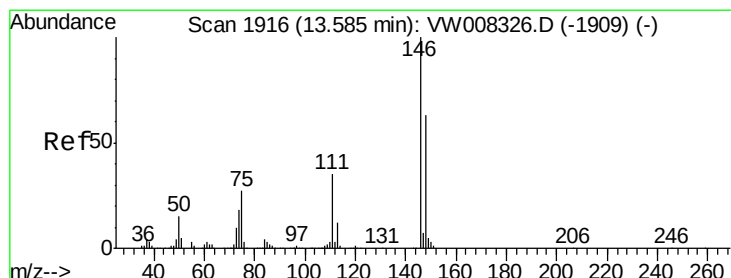
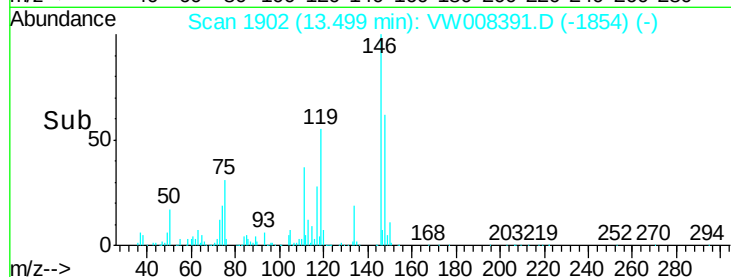
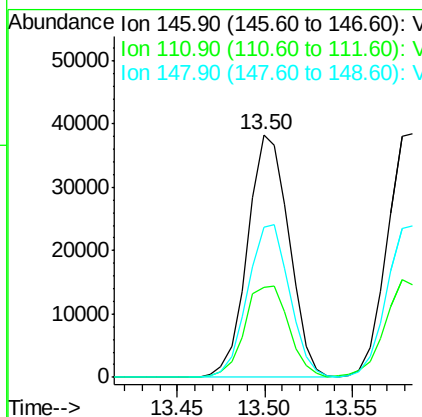
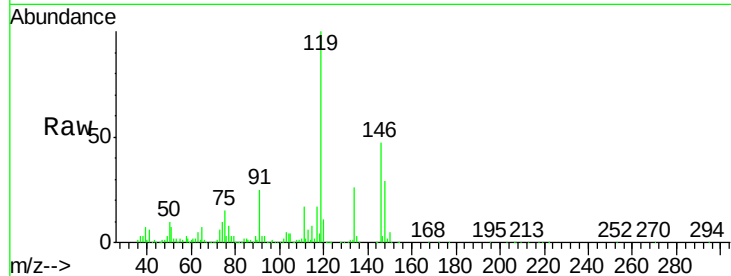
Instrument :
MSVOA_W

ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.7
148	63.8	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 19.150 ug/l

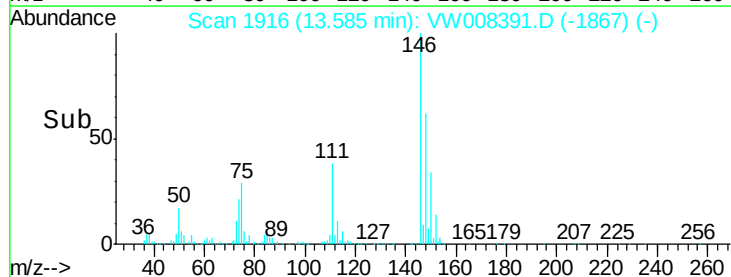
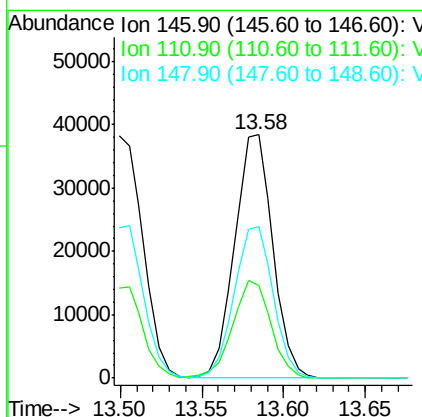
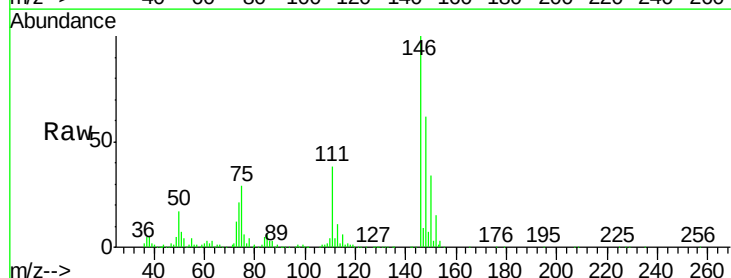
RT: 13.58 min Scan# 1916

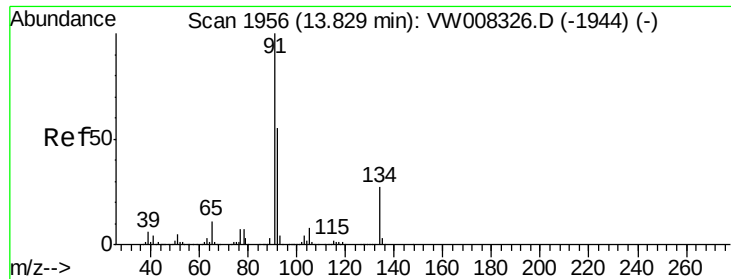
Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	18.9	56.5
148	63.7	31.6	94.8





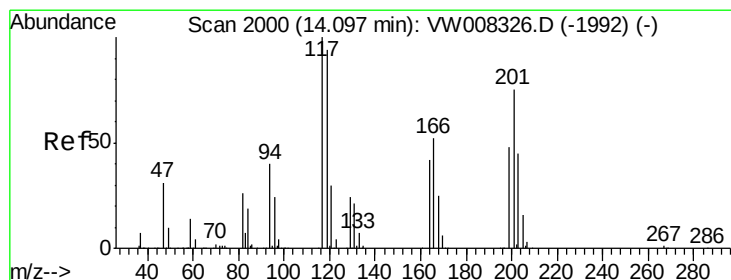
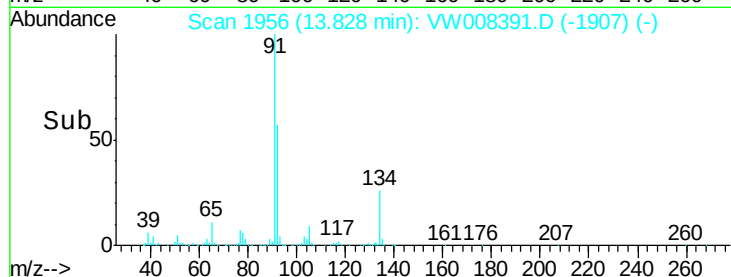
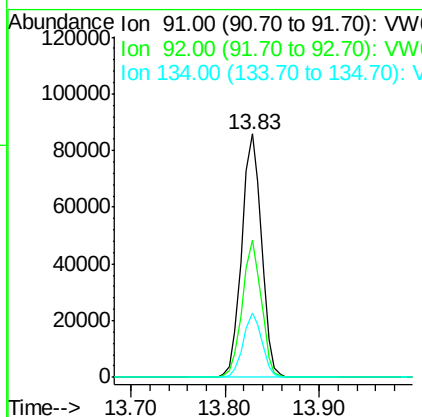
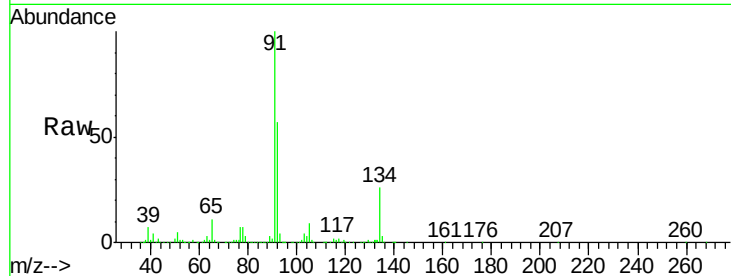
#89
n-Butylbenzene
Concen: 20.914 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	25.2	13.4	40.1

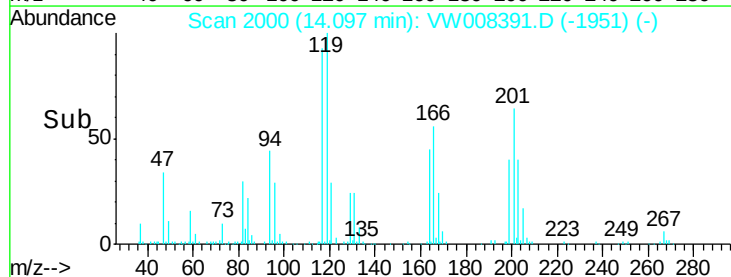
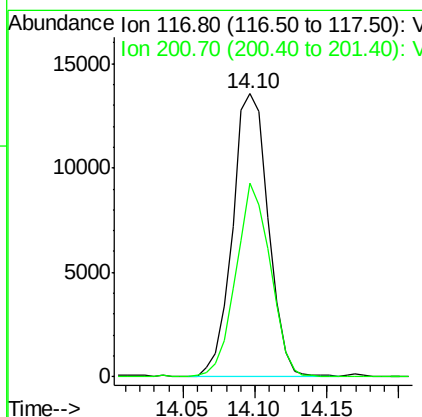
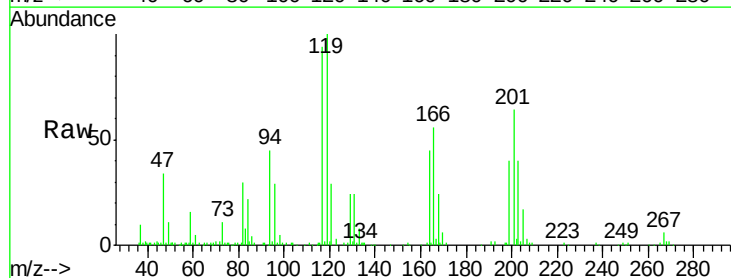
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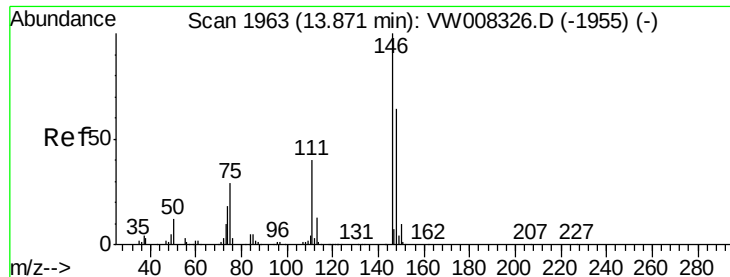
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#90
Hexachloroethane
Concen: 20.219 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	39.3	117.9





#91

1,2-Dichlorobenzene

Concen: 18.949 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

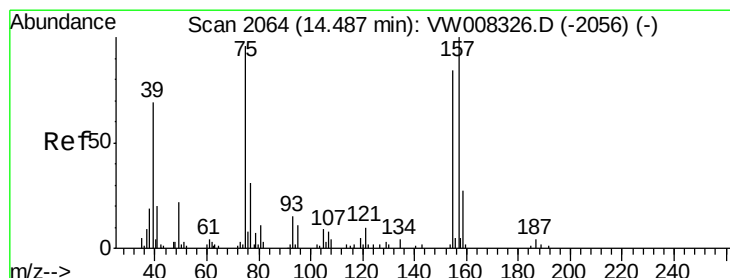
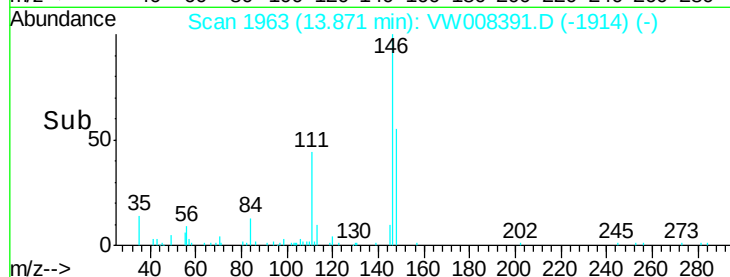
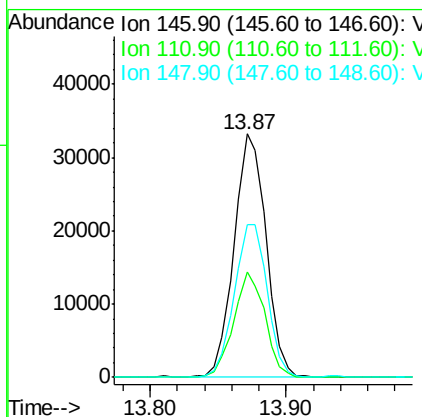
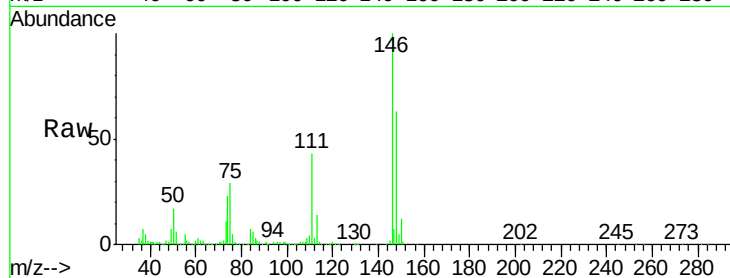
ClientSampleId :

VW0122SBSD01

Tot Ion:	146	Resp:	54501
Ion Ratio	Lower	Upper	
146	100		
111	42.3	19.6	58.8
148	64.6	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.162 ug/l

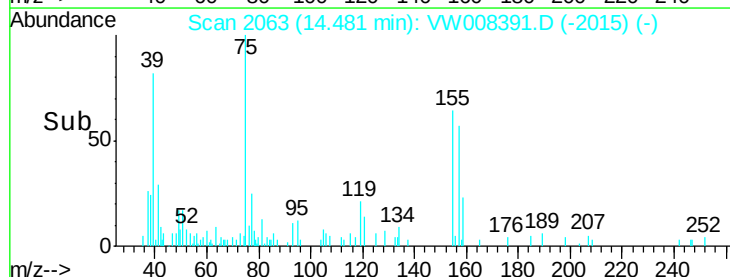
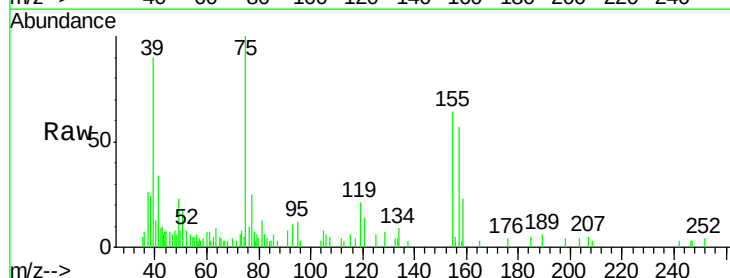
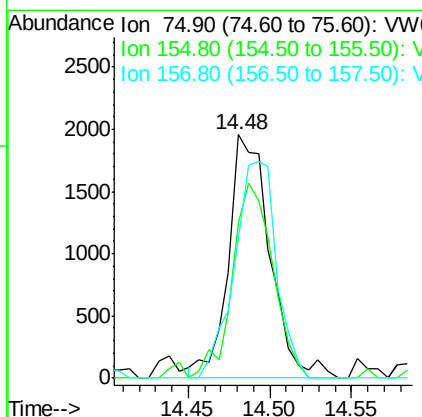
RT: 14.48 min Scan# 2063

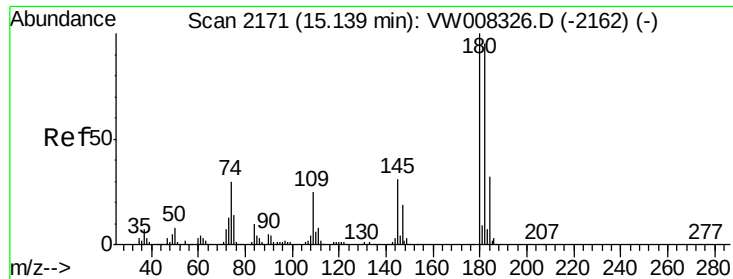
Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	75	Resp:	3448
Ion Ratio	Lower	Upper	
75	100		
155	78.3	44.7	134.1
157	90.8	53.9	161.8





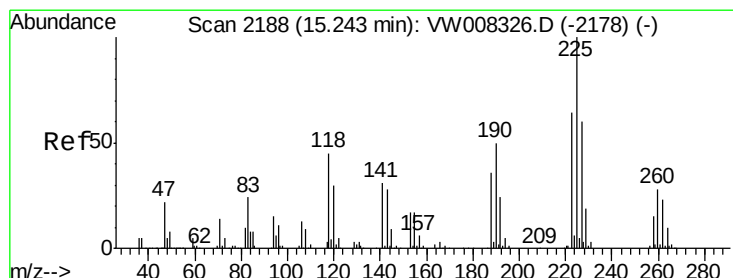
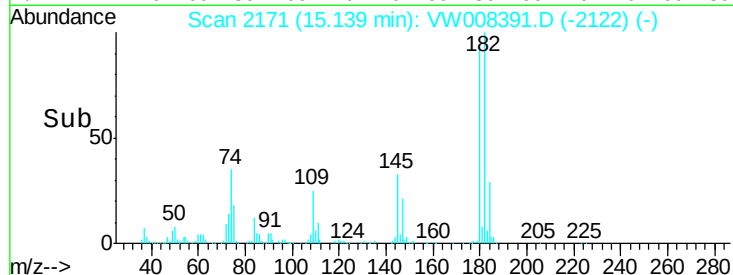
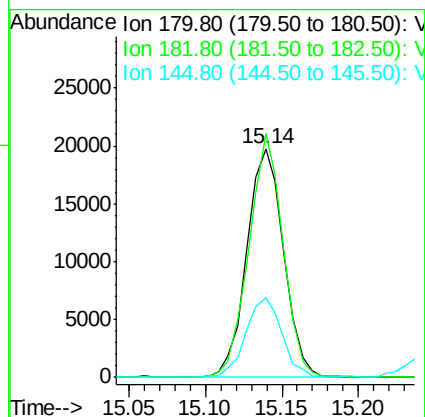
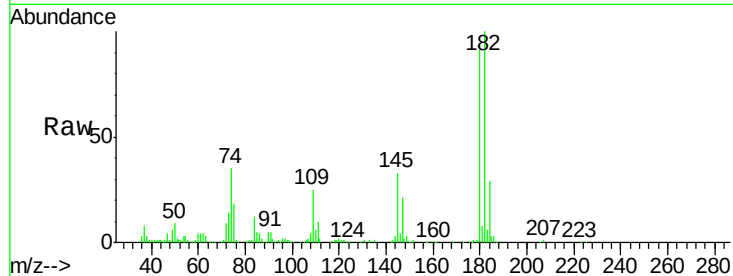
#93
1,2,4-Trichlorobenzene
Concen: 16.944 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	32990		
182	99.5	47.6	142.8	
145	34.4	14.8	44.4	

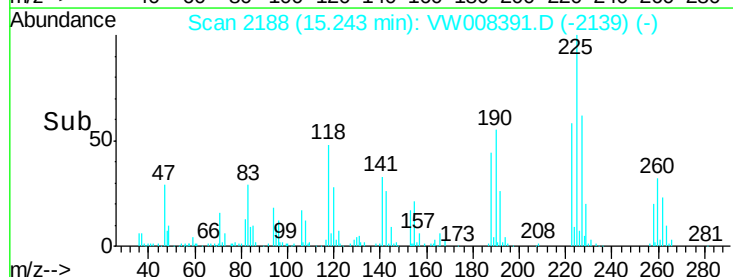
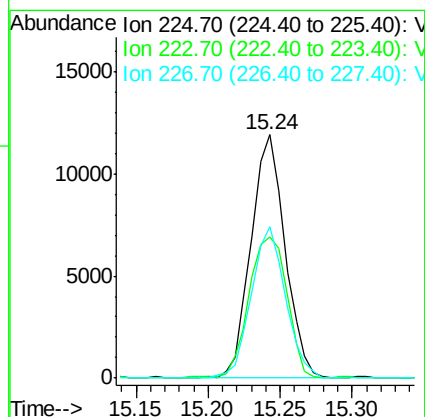
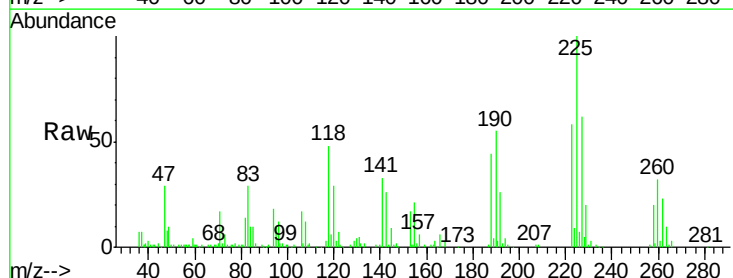
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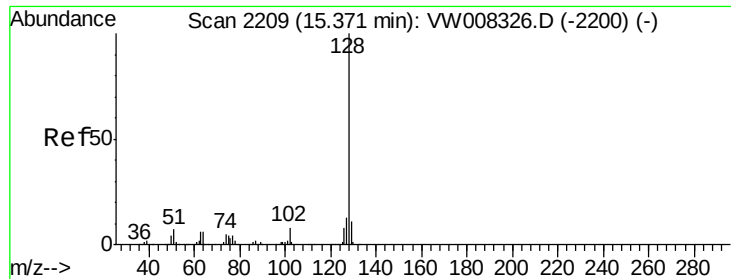
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#94
Hexachlorobutadiene
Concen: 17.744 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19470		
223	65.1	31.1	93.3	
227	62.4	30.3	90.8	





#95

Naphthalene

Concen: 16.947 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

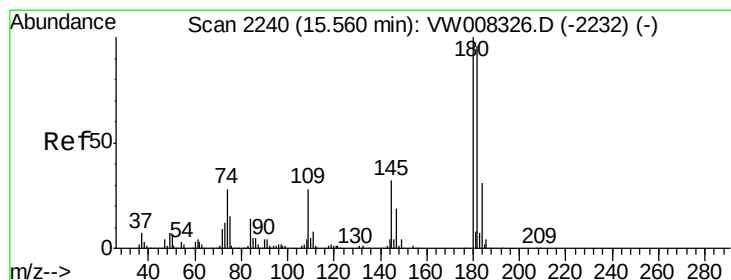
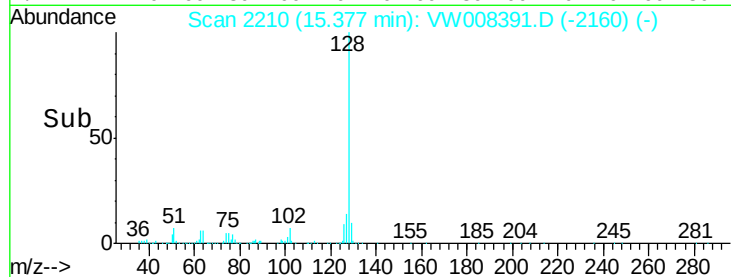
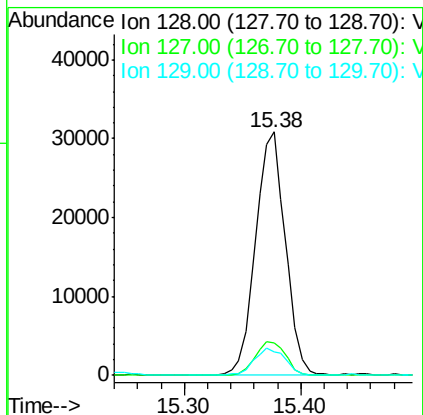
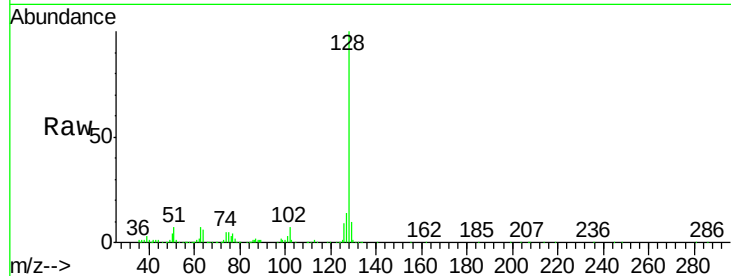
ClientSampleId :

VW0122SBSD01

Tot Ion:	128	Resp:	55132
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.5	15.7
129	11.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/23/2019 11:42:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.111 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion:	180	Resp:	29018
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	141.9
145	34.9	16.2	48.6

