

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008303.D
 Acq On : 16 Jan 2019 12:54
 Operator : SY/VA
 Sample : VW0116SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 11:33:34 AM

Quant Time: Jan 17 05:46:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	94411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	50840	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	7.88	113	50329	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.32	98	199934	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.62	95	72725	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13396	17.386	ug/l	97
3) Chloromethane	2.21	50	17845	17.852	ug/l	94
4) Vinyl Chloride	2.36	62	24813	19.019	ug/l	95
5) Bromomethane	2.78	94	18105	18.525	ug/l	95
6) Chloroethane	2.93	64	16927	17.242	ug/l	99
7) Trichlorofluoromethane	3.25	101	19748	18.618	ug/l	99
8) Diethyl Ether	3.67	74	12325	20.555	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21479	20.396	ug/l	97
10) Methyl Iodide	4.25	142	28557	18.606	ug/l	97
11) Tert butyl alcohol	5.17	59	8412	114.679	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	20544	19.870	ug/l	84
13) Acrolein	3.89	56	5044	70.325	ug/l	93
14) Allyl chloride	4.67	41	33955	18.088	ug/l	98
15) Acrylonitrile	5.37	53	25522	111.799	ug/l	98
16) Acetone	4.12	43	24782	118.835	ug/l	97
17) Carbon Disulfide	4.37	76	57907	17.929	ug/l	98
18) Methyl Acetate	4.66	43	14741	21.980	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	31900	18.979	ug/l	100
20) Methylene Chloride	4.91	84	24982	21.137	ug/l	84
21) trans-1,2-Dichloroethene	5.41	96	21733	19.343	ug/l	97
22) Diisopropyl ether	6.32	45	67978	18.988	ug/l	96
23) Vinyl Acetate	6.26	43	188146	100.065	ug/l	98
24) 1,1-Dichloroethane	6.21	63	39925	19.140	ug/l	99
25) 2-Butanone	7.17	43	34408	116.546	ug/l	98
26) 2,2-Dichloropropane	7.16	77	27009	19.109	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	23609	19.259	ug/l	98
28) Bromochloromethane	7.51	49	15955	19.338	ug/l	97
29) Tetrahydrofuran	7.53	42	21408	108.554	ug/l	96
30) Chloroform	7.67	83	40650	20.473	ug/l	99
31) Cyclohexane	7.95	56	38736	17.347	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	34845	20.169	ug/l	96
36) 1,1-Dichloropropene	8.08	75	32343	20.095	ug/l	98
37) Ethyl Acetate	7.25	43	14409	22.345	ug/l	98
38) Carbon Tetrachloride	8.06	117	32165	21.834	ug/l	98

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	40654	19.920	ug/l	92
40) Benzene	8.32	78	90316	20.688	ug/l	98
41) Methacrylonitrile	7.48	41	9188	22.556	ug/l	90
42) 1,2-Dichloroethane	8.40	62	25613	20.860	ug/l	97
43) Isopropyl Acetate	8.42	43	27590	21.400	ug/l	97
44) Trichloroethene	9.09	130	24963	22.338	ug/l	90
45) 1,2-Dichloropropane	9.37	63	22595	20.874	ug/l	95
46) Dibromomethane	9.46	93	12387	23.301	ug/l	97
47) Bromodichloromethane	9.65	83	29420	21.795	ug/l #	97
48) Methyl methacrylate	9.44	41	12574	20.669	ug/l	90
49) 1,4-Dioxane	9.45	88	4348	508.587	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	70753	113.372	ug/l	99
52) Toluene	10.39	92	58798	21.090	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	30467	21.699	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	35046	21.049	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	17321	23.207	ug/l	91
56) Ethyl methacrylate	10.65	69	20888	22.598	ug/l	94
57) 1,3-Dichloropropane	10.93	76	29345	21.498	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	53332	111.700	ug/l	98
59) 2-Hexanone	10.97	43	50623	119.951	ug/l	100
60) Dibromochloromethane	11.13	129	20271	24.733	ug/l	98
61) 1,2-Dibromoethane	11.24	107	16363	23.105	ug/l	99
64) Tetrachloroethene	10.87	164	20603	21.529	ug/l	90
65) Chlorobenzene	11.66	112	64817	20.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	22709	22.412	ug/l	98
67) Ethyl Benzene	11.73	91	113619	19.933	ug/l	97
68) m/p-Xylenes	11.84	106	90683	41.680	ug/l	97
69) o-Xylene	12.17	106	40851	20.276	ug/l	98
70) Styrene	12.18	104	67113	21.267	ug/l	98
71) Bromoform	12.35	173	11220	24.742	ug/l #	96
73) Isopropylbenzene	12.47	105	112793	18.767	ug/l	99
74) N-amyl acetate	12.27	43	26401	19.836	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	21440	22.287	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	15016m	21.517	ug/l	
77) Bromobenzene	12.75	156	26181	20.616	ug/l	90
78) n-propylbenzene	12.80	91	140440	19.071	ug/l	99
79) 2-Chlorotoluene	12.90	91	79745	19.410	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	98894	20.024	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	6184	20.636	ug/l	94
82) 4-Chlorotoluene	12.99	91	84210	19.461	ug/l	97
83) tert-Butylbenzene	13.21	119	85440	19.555	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	100060	19.644	ug/l	98
85) sec-Butylbenzene	13.39	105	125738	19.645	ug/l	99
86) p-Isopropyltoluene	13.51	119	110448	19.983	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	54387	21.113	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	54476	21.077	ug/l	99
89) n-Butylbenzene	13.83	91	105632	19.514	ug/l	99
90) Hexachloroethane	14.10	117	19608	21.004	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	49033	21.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3786	24.455	ug/l	95

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MSVOA_W
ClientSampleId :
VW0116SBSD01

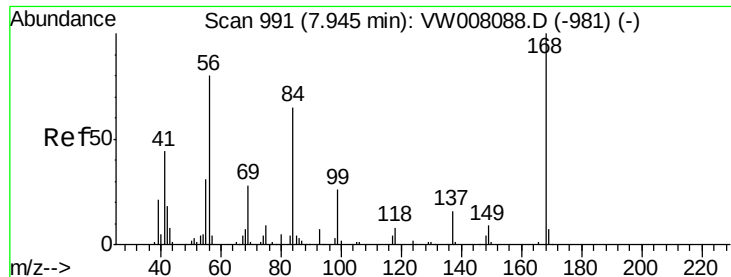
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	32626	21.706	ug/l	95
94) Hexachlorobutadiene	15.24	225	18219	22.646	ug/l	98
95) Naphthalene	15.38	128	57273	20.407	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	27424	21.403	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: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion:168 Resp: 94411

Ion Ratio Lower Upper

168 100

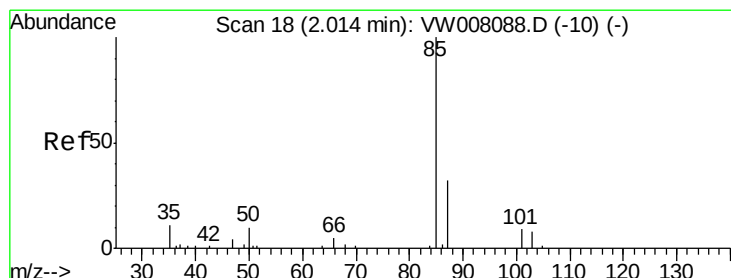
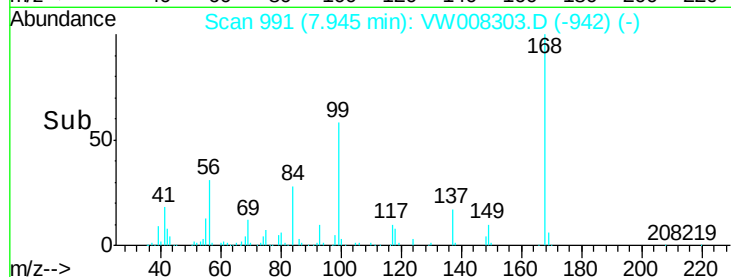
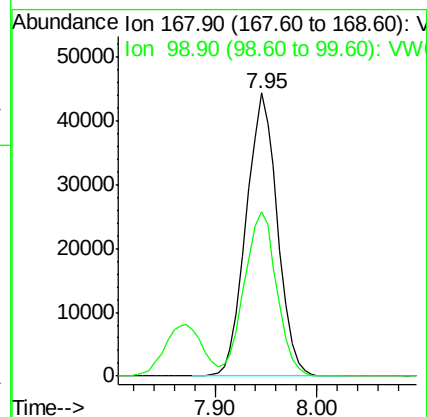
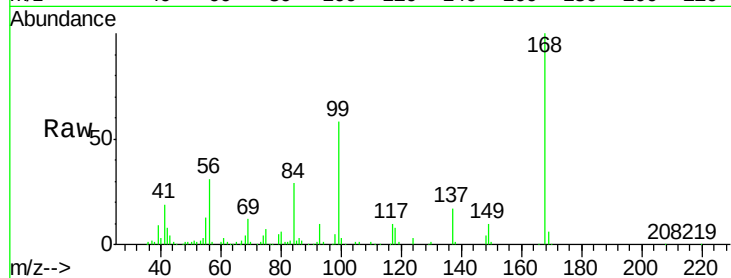
99 57.8 52.6 78.8

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#2

Dichlorodifluoromethane

Concen: 17.386 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008303.D

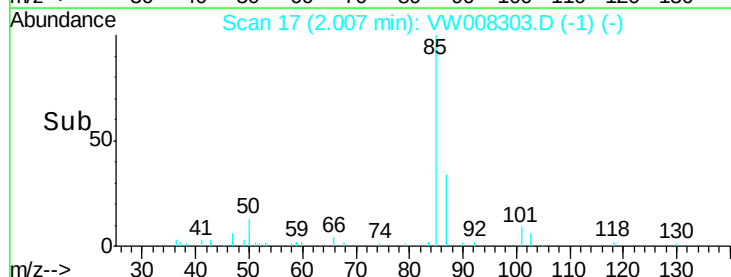
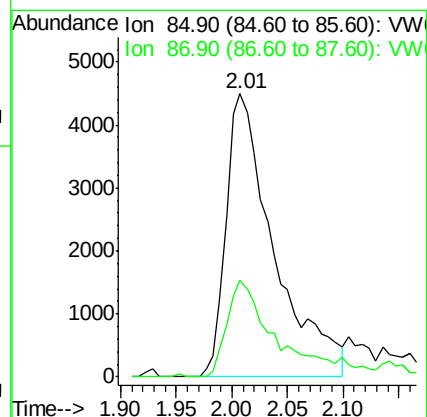
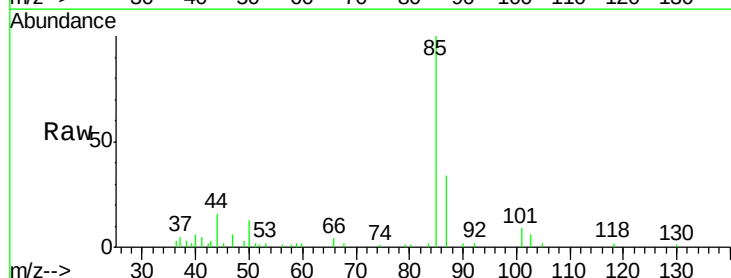
Acq: 16 Jan 2019 12:54

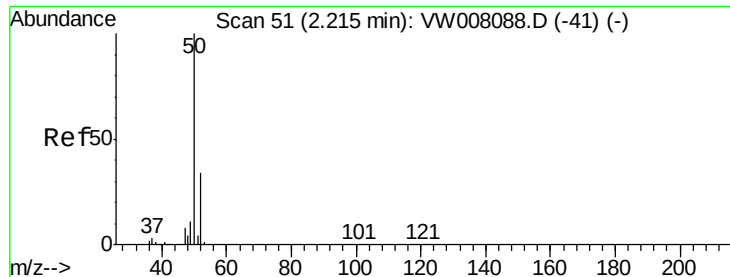
Tgt Ion: 85 Resp: 13396

Ion Ratio Lower Upper

85 100

87 34.1 16.1 48.3





#3

Chloromethane

Concen: 17.852 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion: 50 Resp: 17845

Ion Ratio Lower Upper

50 100

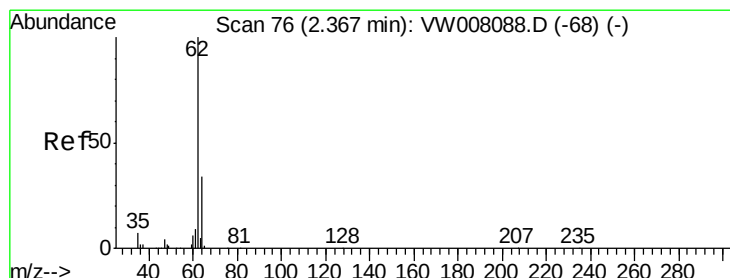
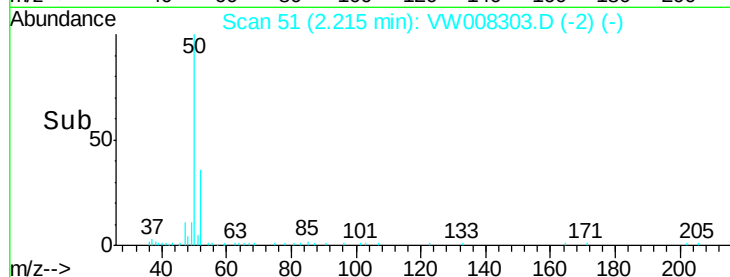
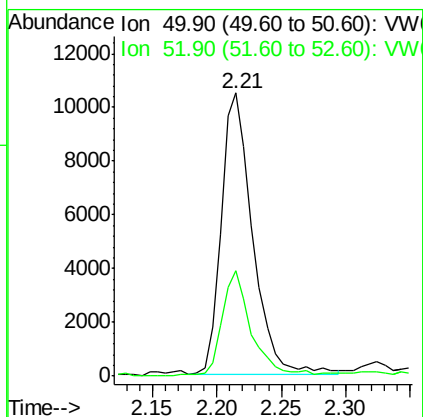
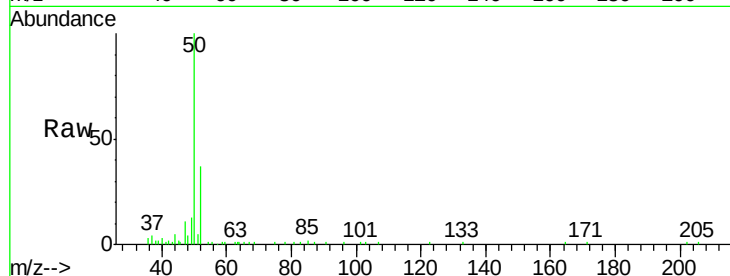
52 36.8 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.019 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008303.D

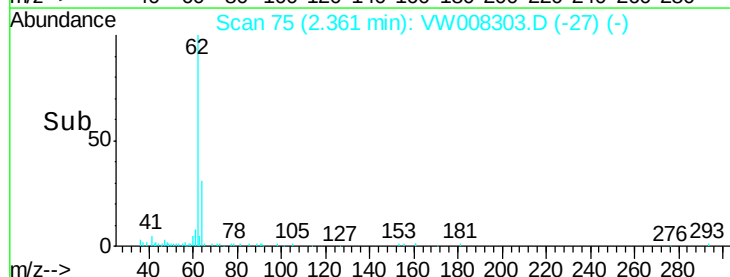
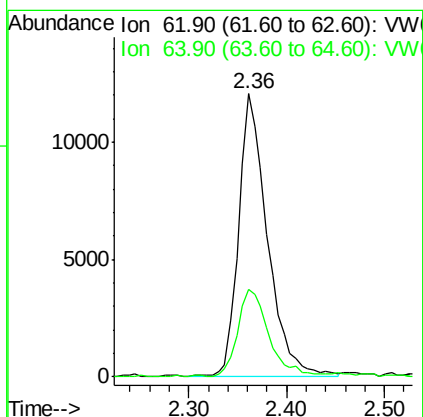
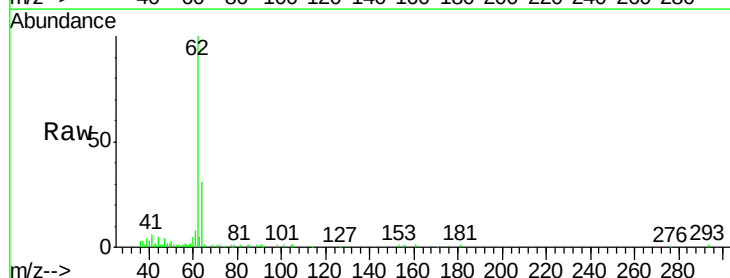
Acq: 16 Jan 2019 12:54

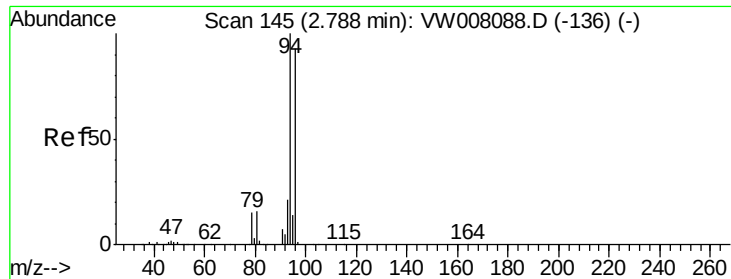
Tgt Ion: 62 Resp: 24813

Ion Ratio Lower Upper

62 100

64 30.8 27.0 40.6





#5

Bromomethane

Concen: 18.525 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion: 94 Resp: 18105

Ion Ratio Lower Upper

94 100

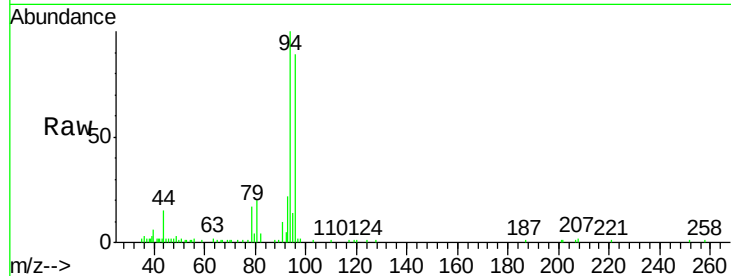
96 87.4 74.1 111.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

8000

6000

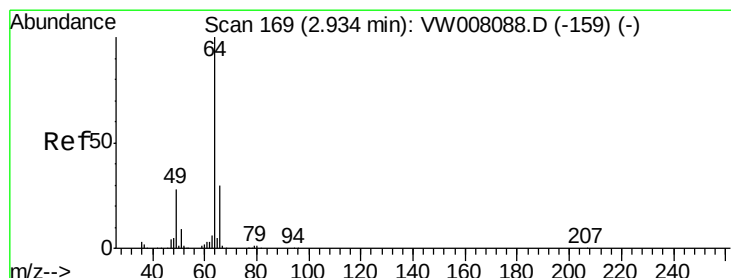
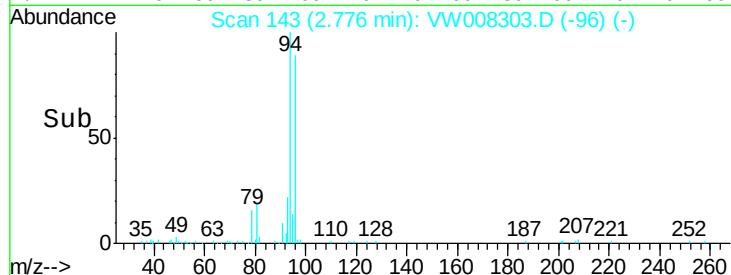
4000

2000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 17.242 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008303.D

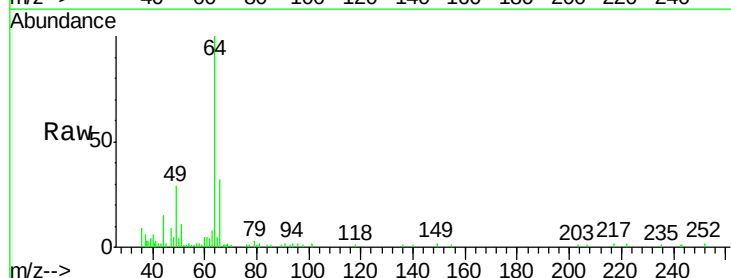
Acq: 16 Jan 2019 12:54

Tgt Ion: 64 Resp: 16927

Ion Ratio Lower Upper

64 100

66 29.8 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

6000

5000

4000

3000

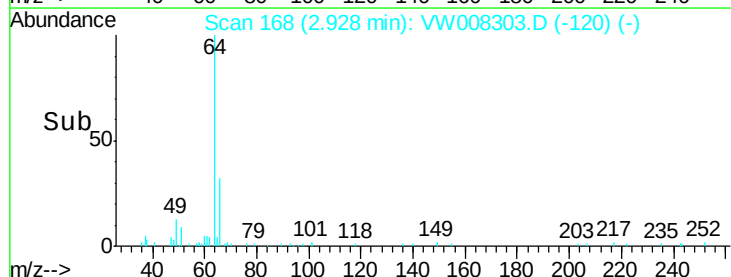
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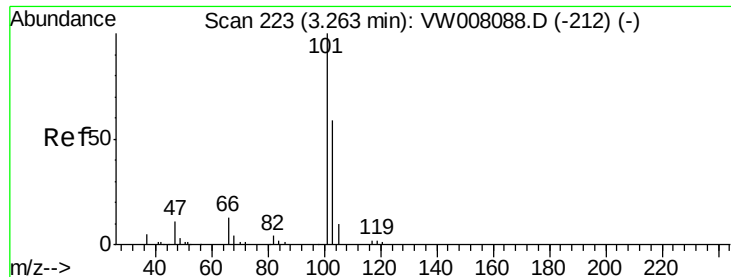
1000

0

Time-->

2.80 2.90 3.00 3.10





#7

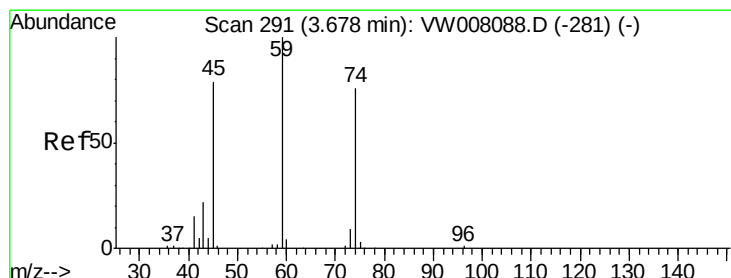
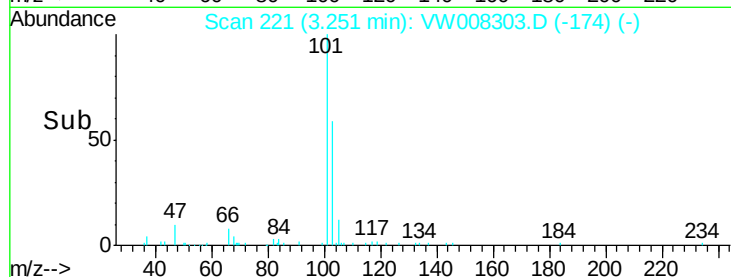
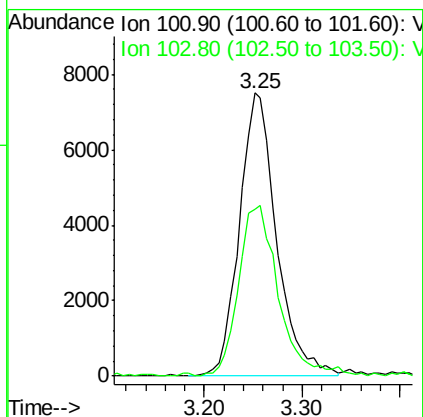
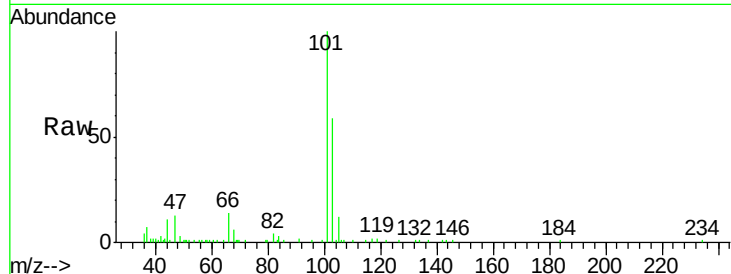
Trichlorofluoromethane
Concen: 18.618 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
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ClientSampleId :
VW0116SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.2	47.0	70.6

Manual Integrations
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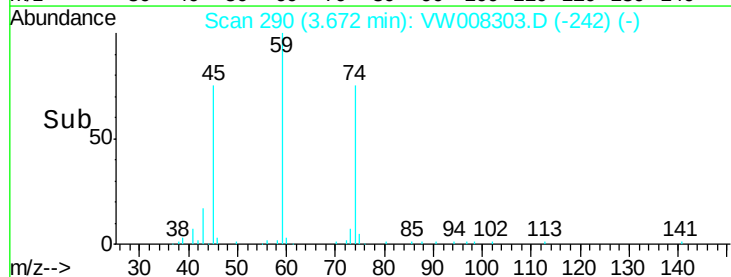
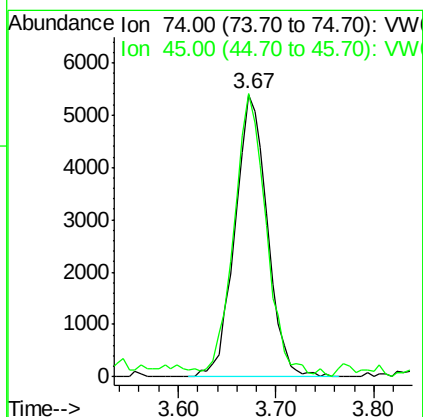
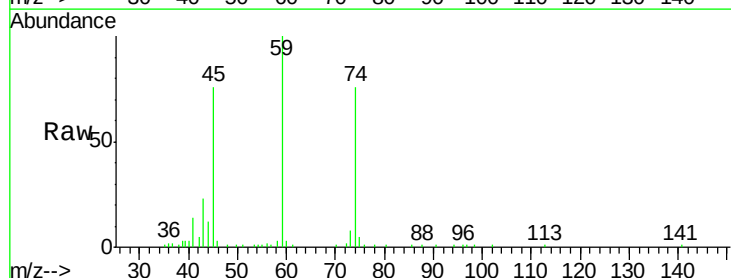
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1/17/2019 11:33:34 AM

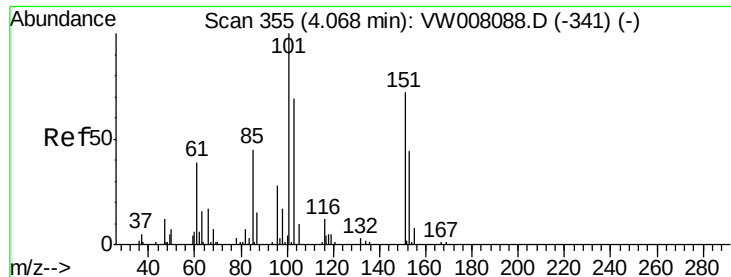


#8

Diethyl Ether
Concen: 20.555 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.396 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

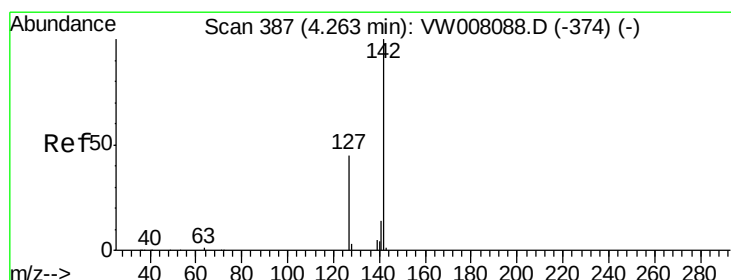
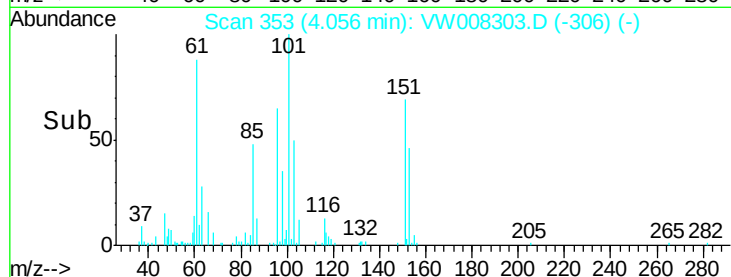
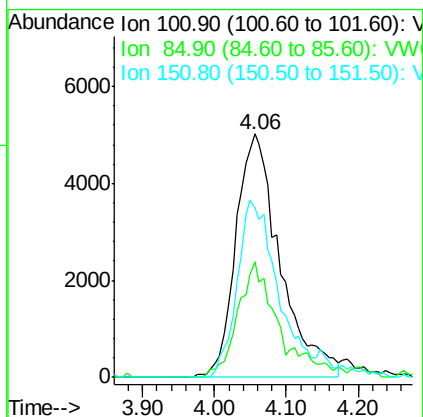
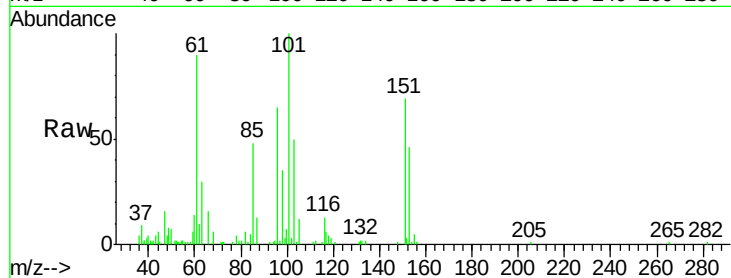
ClientSampleId :

VW0116SBS01

Tot Ion:	101	Resp:	21479
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.9	53.9
151	66.0	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.606 ug/l

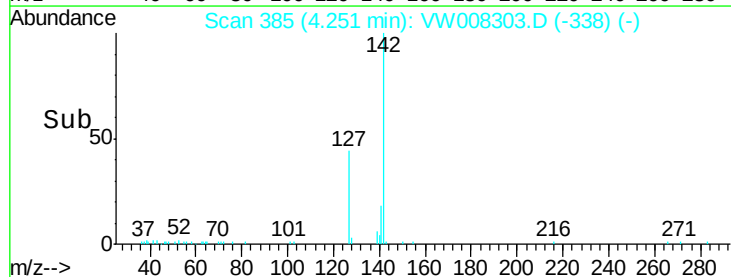
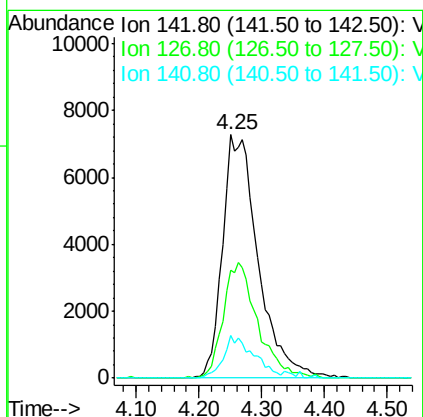
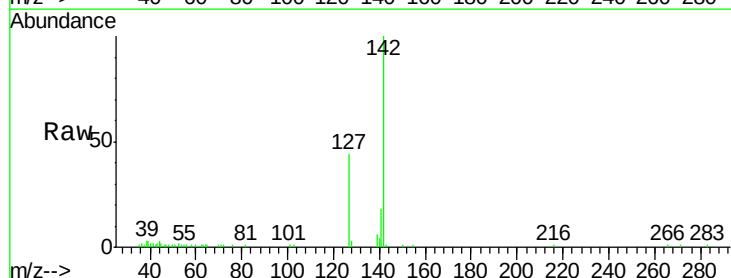
RT: 4.25 min Scan# 385

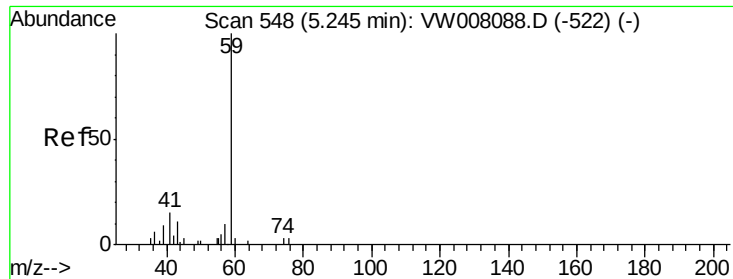
Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion:	142	Resp:	28557
Ion Ratio	Lower	Upper	
142	100		
127	45.8	35.0	52.4
141	14.9	11.8	17.6





#11

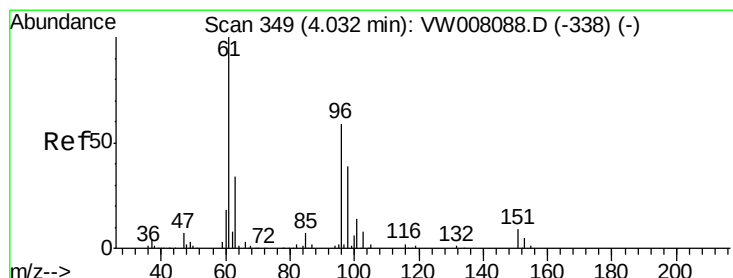
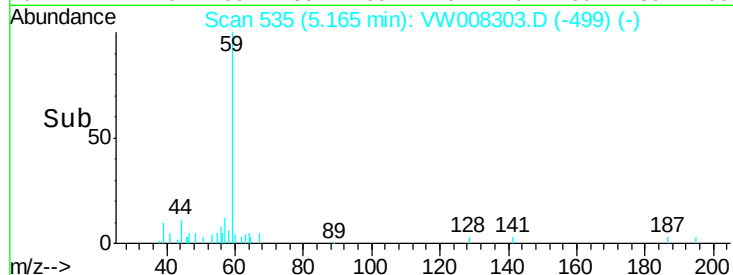
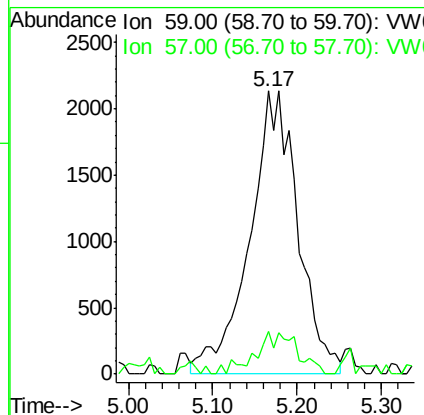
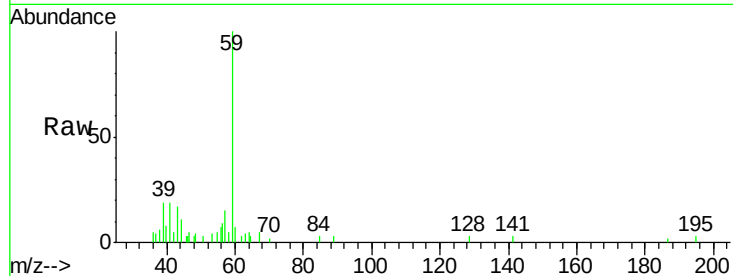
Tert butyl alcohol
Concen: 114.679 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.08 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	8412		
57	6.1	0.0	0.0	0.0

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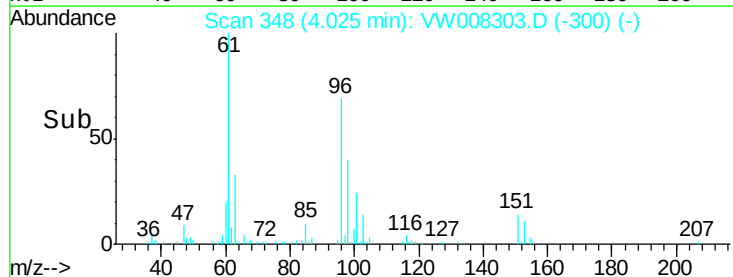
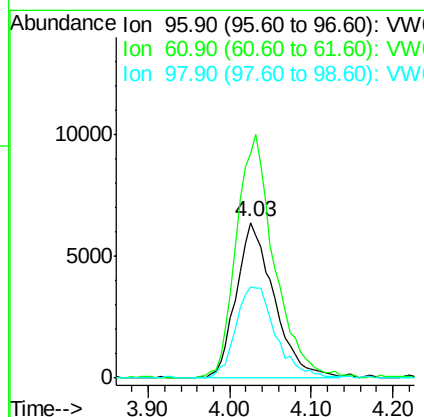
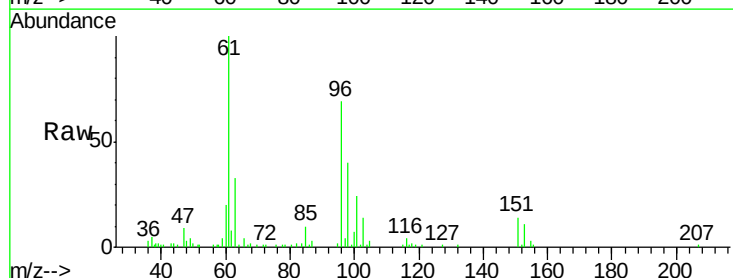
MMDadoda
1/17/2019 11:33:34 AM

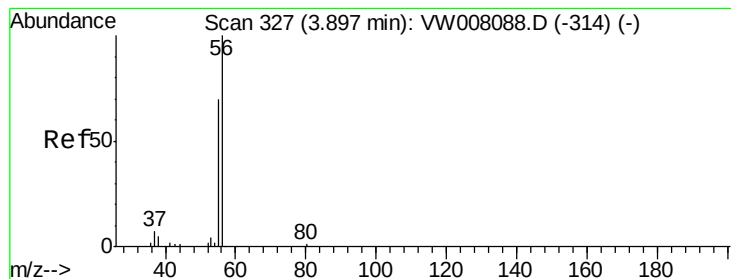


#12

1,1-Dichloroethene
Concen: 19.870 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	20544		
61	144.5	135.4	203.2	
98	58.4	52.5	78.7	





#13

Acrolein

Concen: 70.325 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

Tot Ion: 56 Resp: 5044

Ion Ratio Lower Upper

56 100

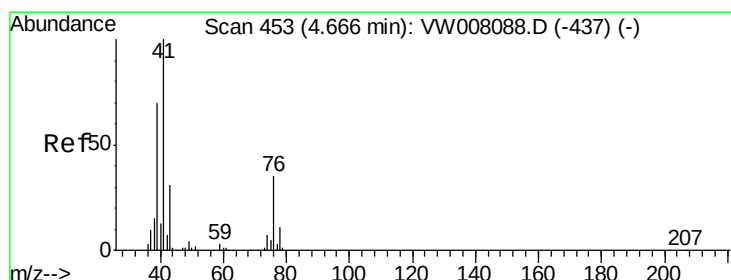
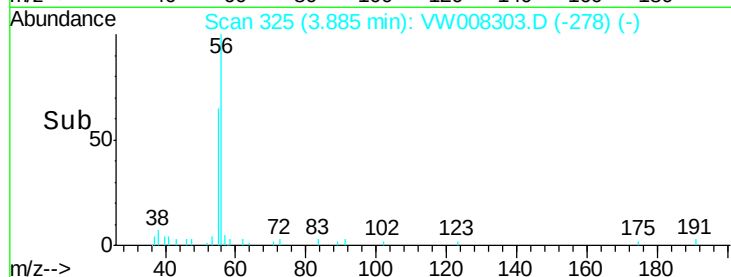
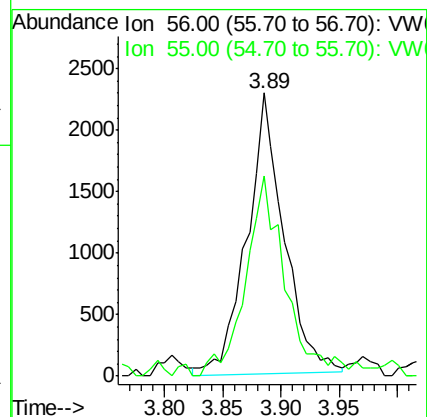
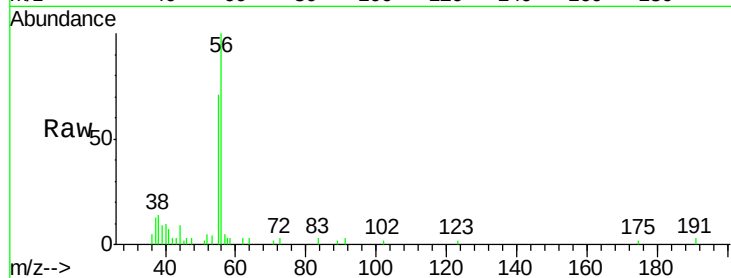
55 76.4 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.088 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

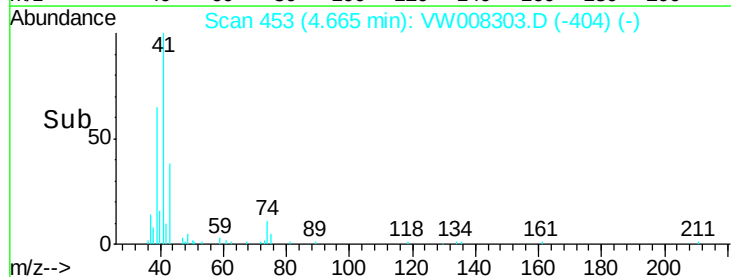
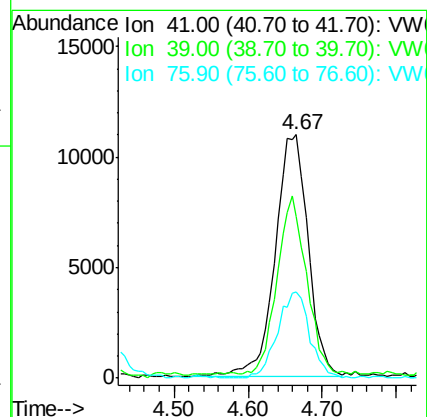
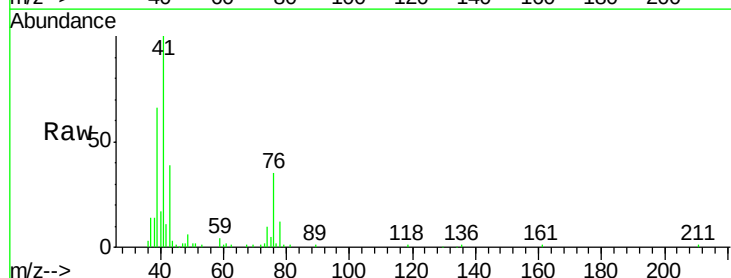
Tgt Ion: 41 Resp: 33955

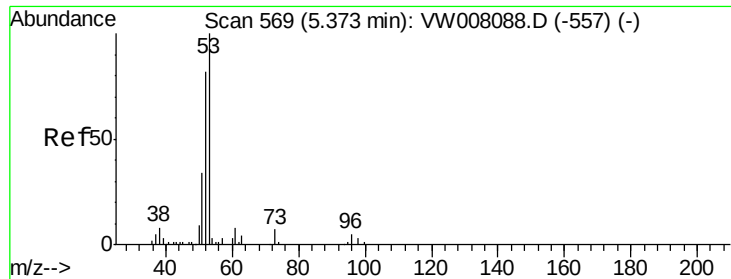
Ion Ratio Lower Upper

41 100

39 65.0 53.8 80.8

76 34.4 27.6 41.4





#15

Acrylonitrile

Concen: 111.799 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

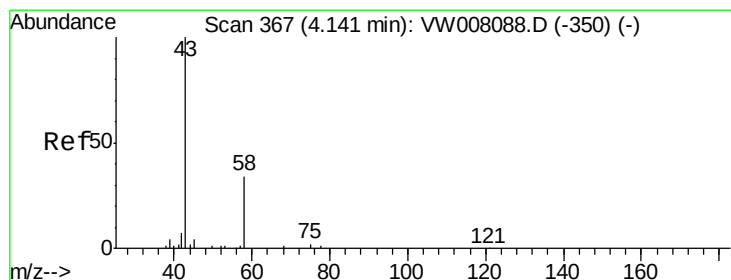
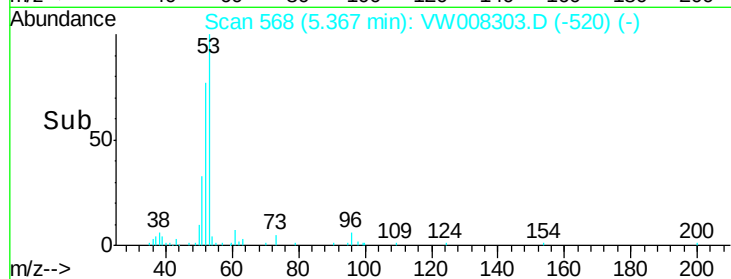
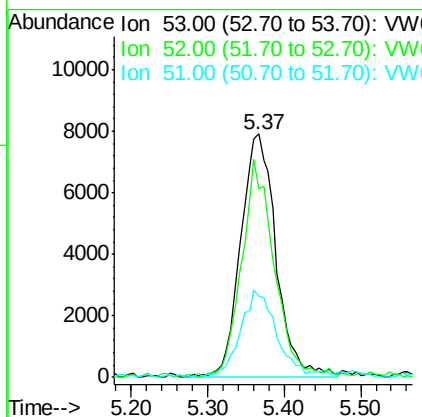
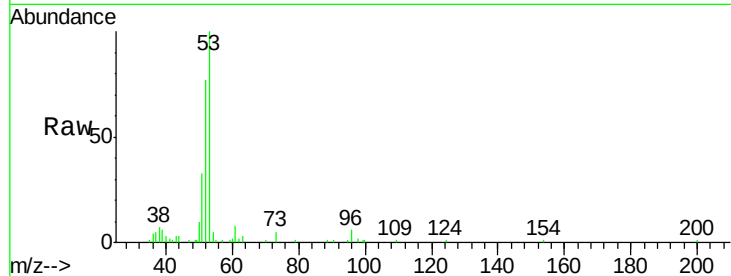
ClientSampleId :

VW0116SBS01

Tot Ion:	53	Resp:	25522
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.8	100.2
51	36.1	29.7	44.5

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#16

Acetone

Concen: 118.835 ug/l

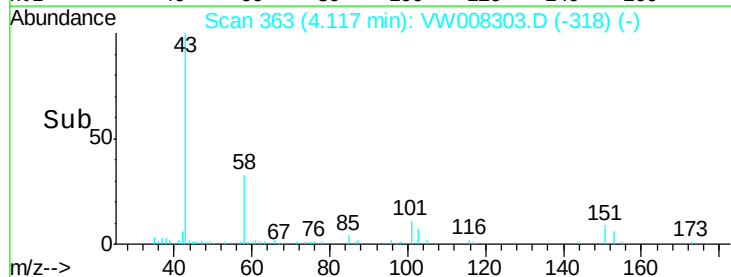
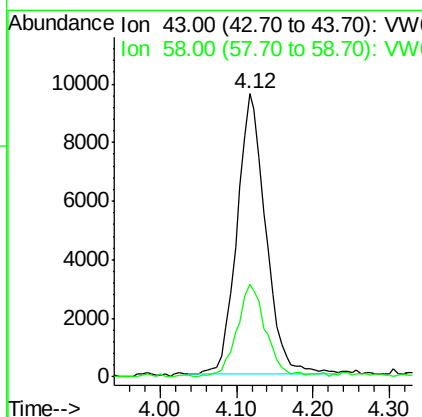
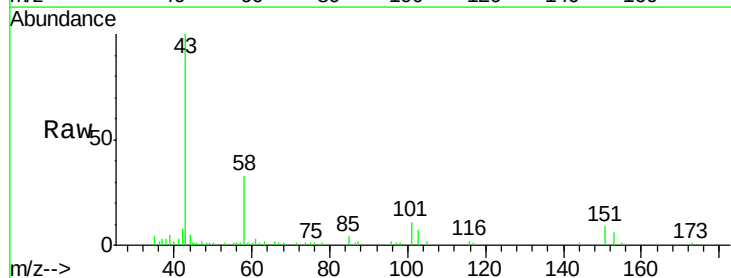
RT: 4.12 min Scan# 363

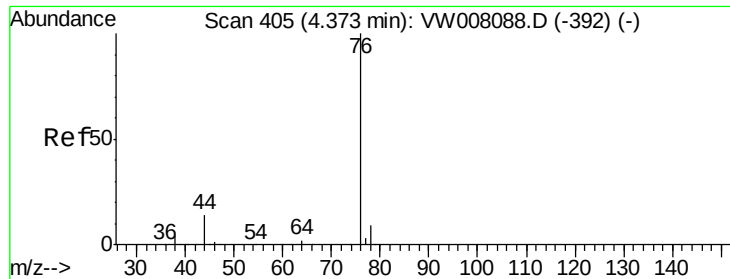
Delta R.T. -0.02 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion:	43	Resp:	24782
Ion	Ratio	Lower	Upper
43	100		
58	32.6	27.5	41.3





#17

Carbon Disulfide

Concen: 17.929 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion: 76 Resp: 57907

Ion Ratio Lower Upper

76 100

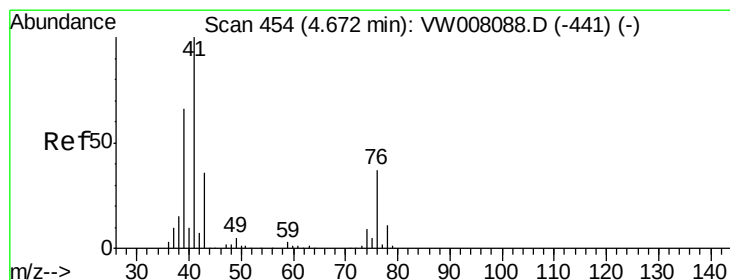
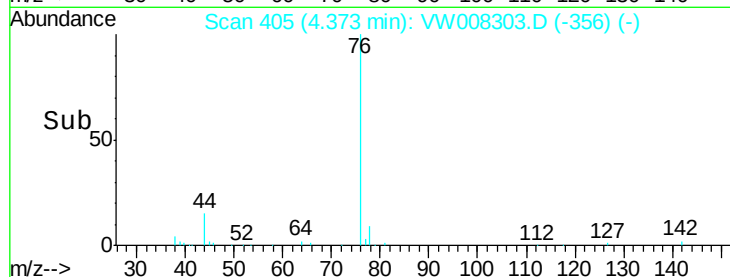
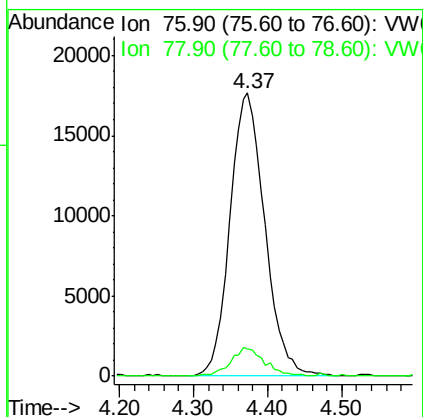
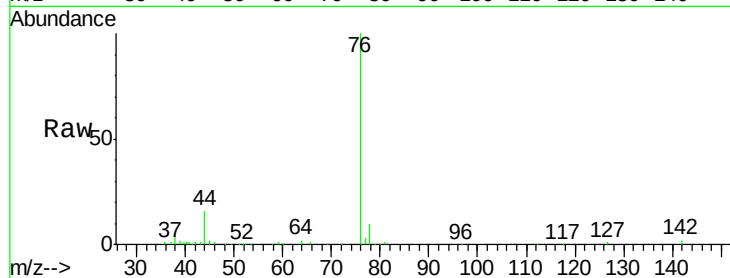
78 9.6 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 21.980 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008303.D

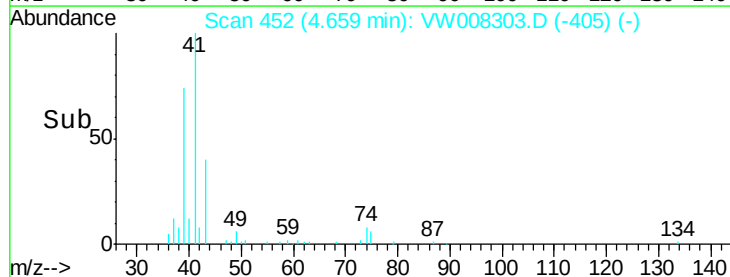
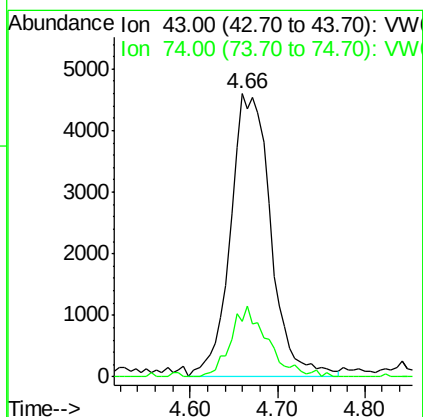
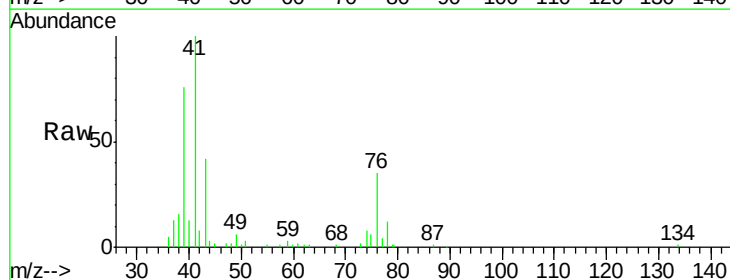
Acq: 16 Jan 2019 12:54

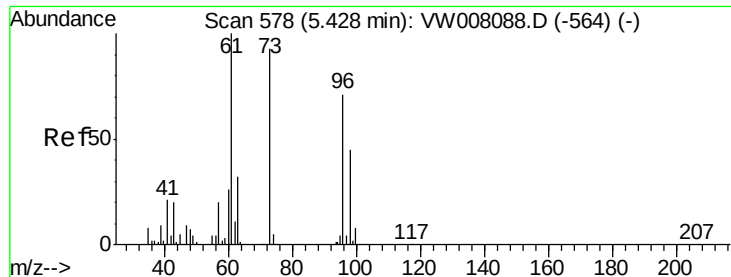
Tgt Ion: 43 Resp: 14741

Ion Ratio Lower Upper

43 100

74 22.2 19.0 28.4





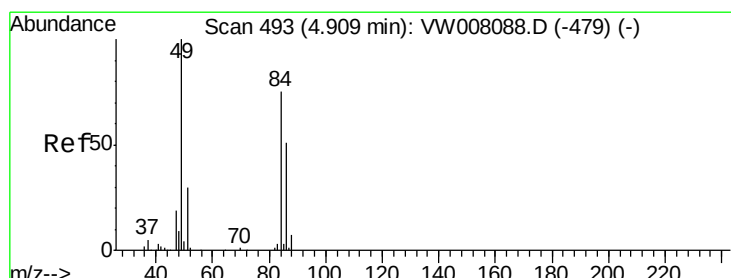
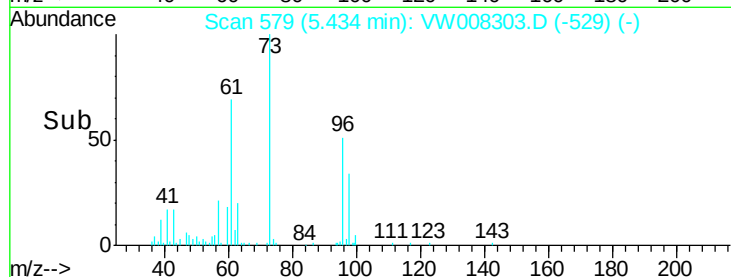
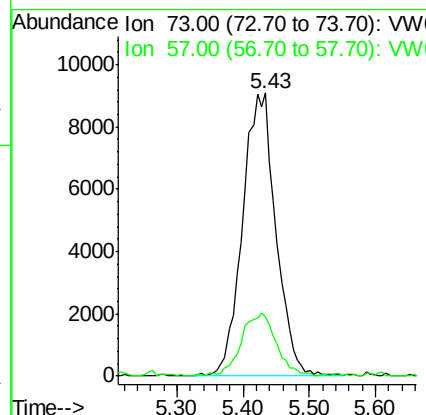
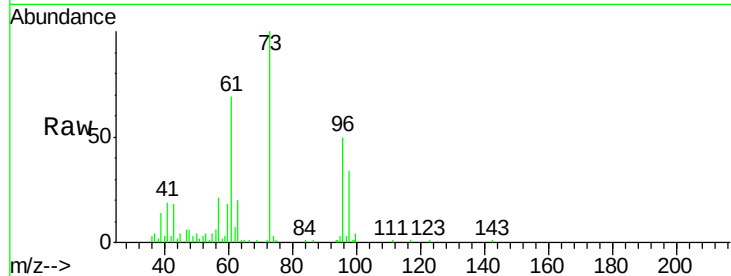
#19
Methyl tert-butyl Ether
Concen: 18.979 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion: 73 Resp: 31900
Ion Ratio Lower Upper
73 100
57 21.0 16.7 25.1

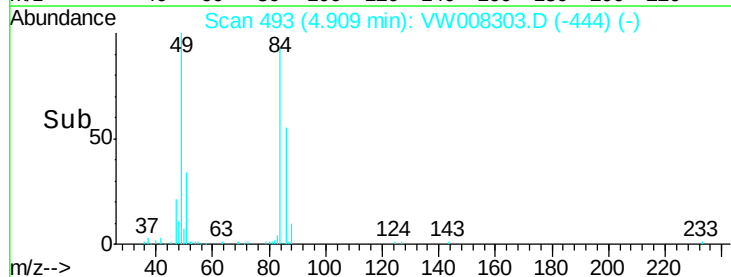
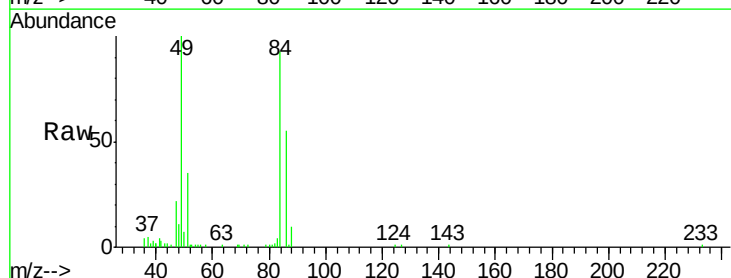
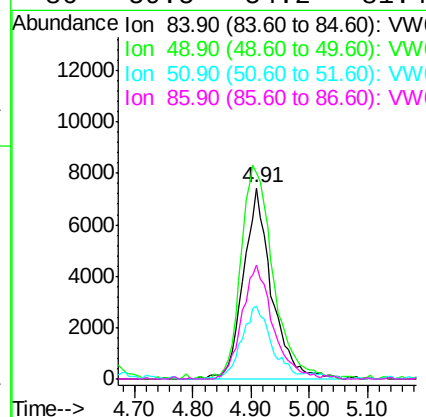
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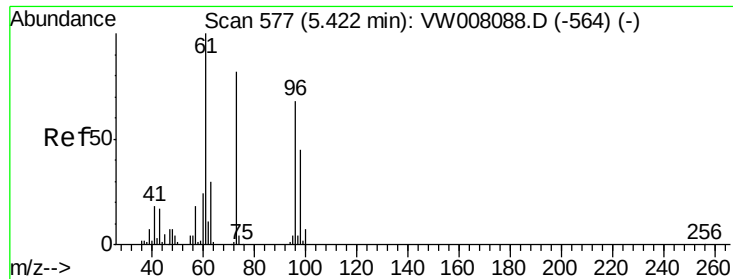
MMDadoda
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#20
Methylene Chloride
Concen: 21.137 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 84 Resp: 24982
Ion Ratio Lower Upper
84 100
49 108.0 107.1 160.7
51 38.0 32.4 48.6
86 59.5 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 19.343 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

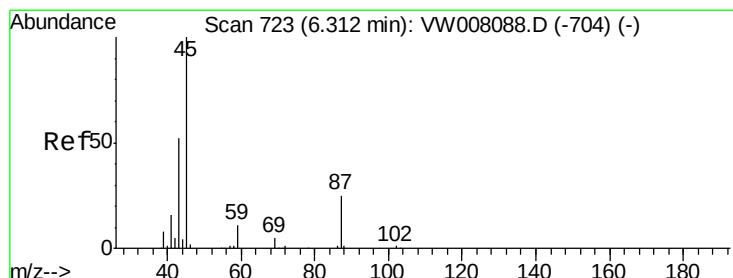
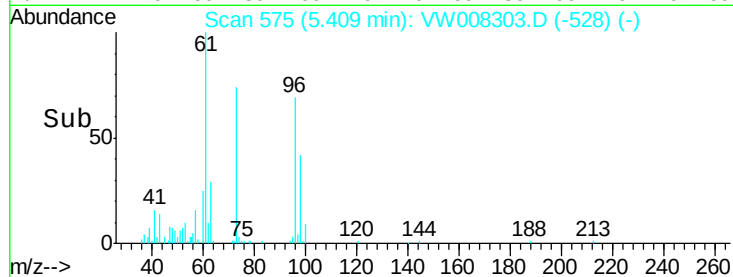
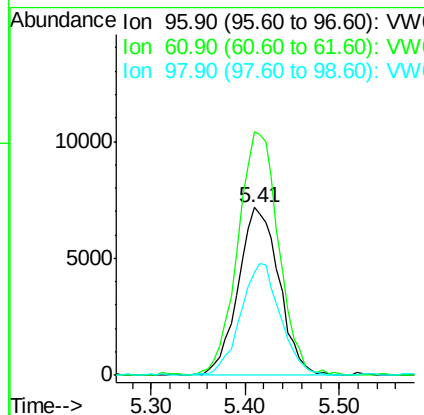
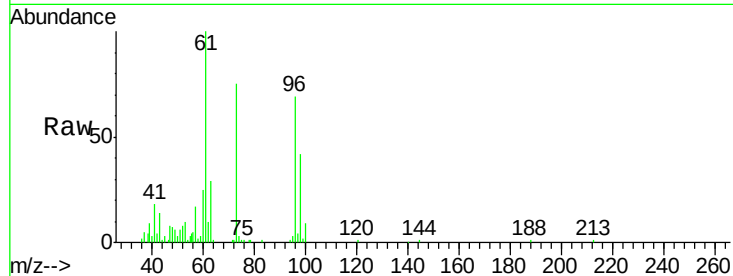
ClientSampleId :

VW0116SBSD01

Tot Ion:	96	Resp:	21733
Ion	Ratio	Lower	Upper
96	100		
61	143.8	117.4	176.0
98	61.0	52.2	78.4

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#22

Diisopropyl ether

Concen: 18.988 ug/l

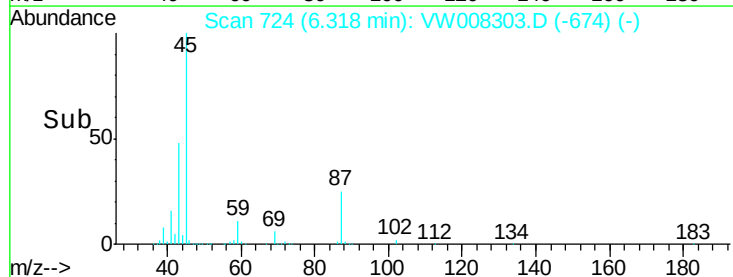
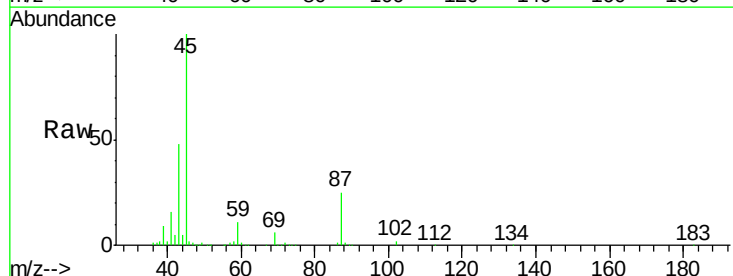
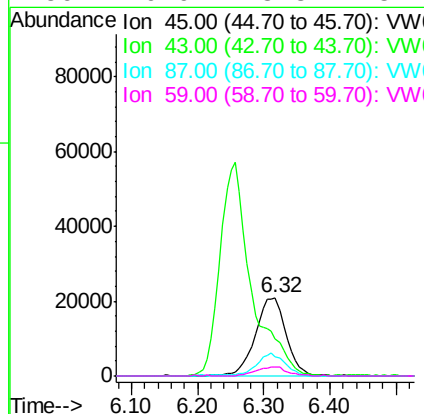
RT: 6.32 min Scan# 724

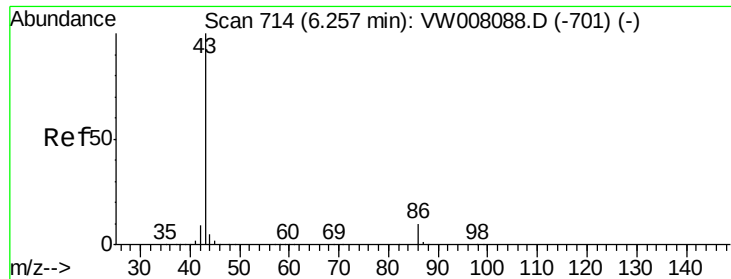
Delta R.T. 0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion:	45	Resp:	67978
Ion	Ratio	Lower	Upper
45	100		
43	47.2	41.7	62.5
87	25.0	20.1	30.1
59	10.9	8.8	13.2





#23

Vinyl Acetate

Concen: 100.065 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

Tot Ion: 43 Resp: 188146

Ion Ratio Lower Upper

43 100

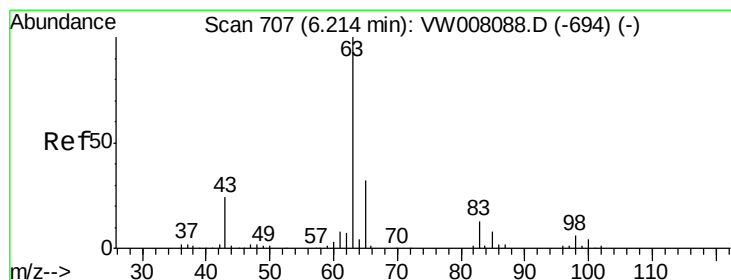
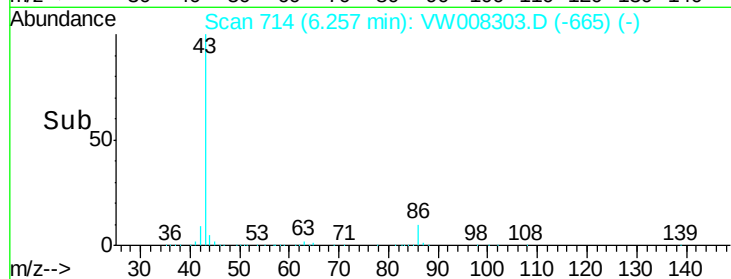
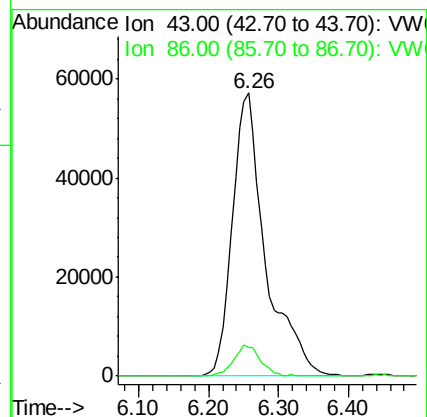
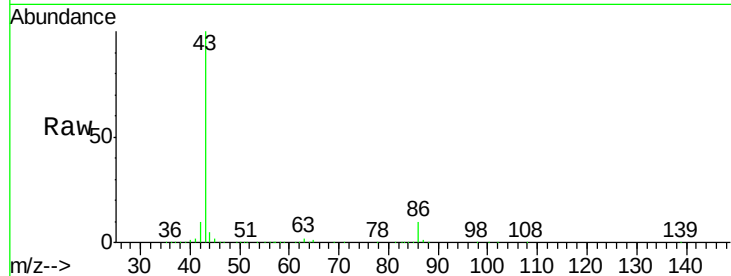
86 10.2 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 19.140 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

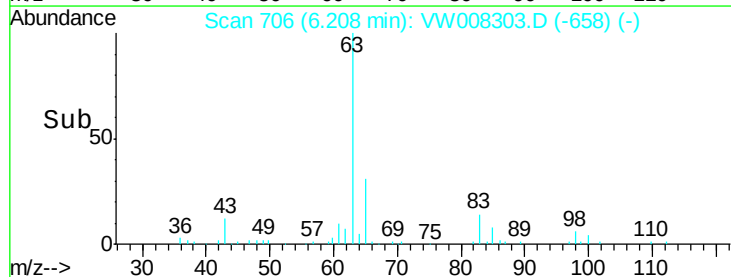
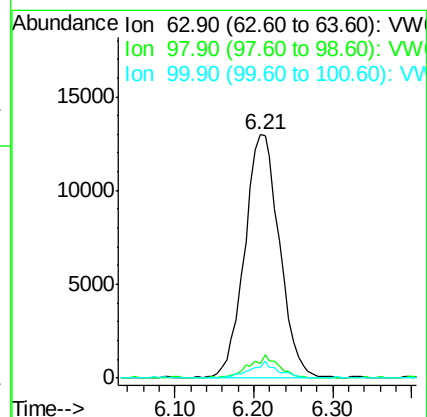
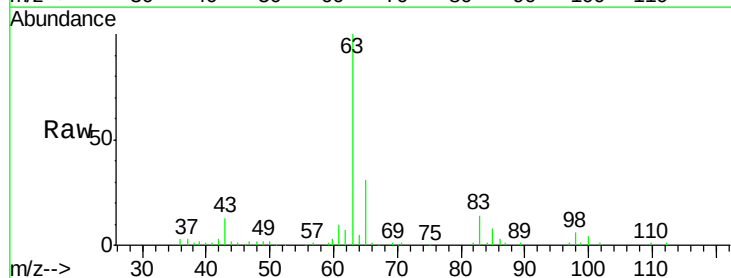
Tgt Ion: 63 Resp: 39925

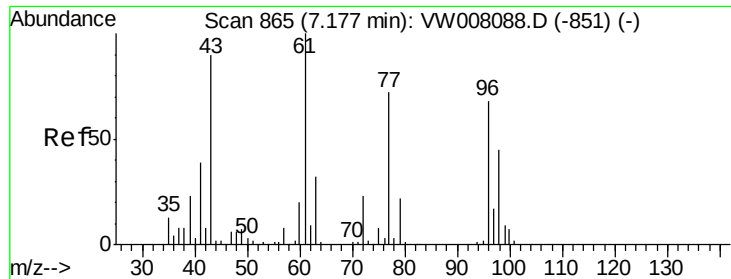
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 116.546 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion: 43 Resp: 34408

Ion Ratio Lower Upper

43 100

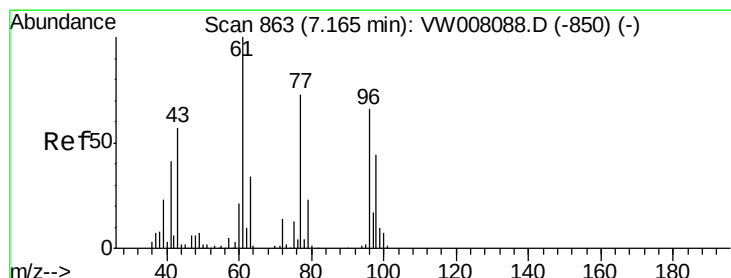
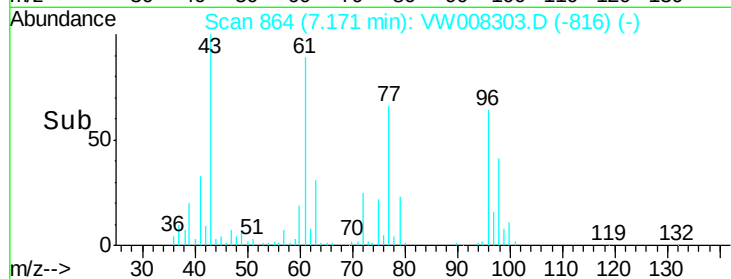
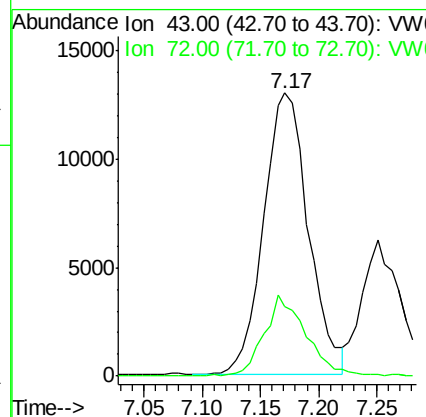
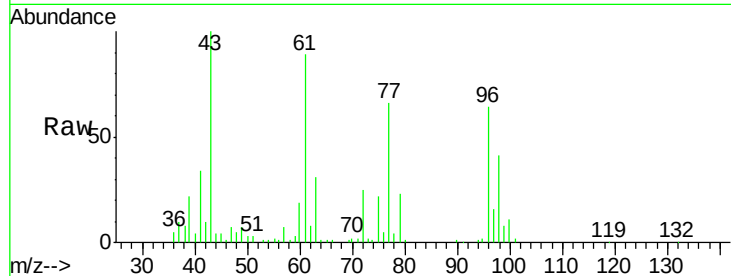
72 24.8 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.109 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008303.D

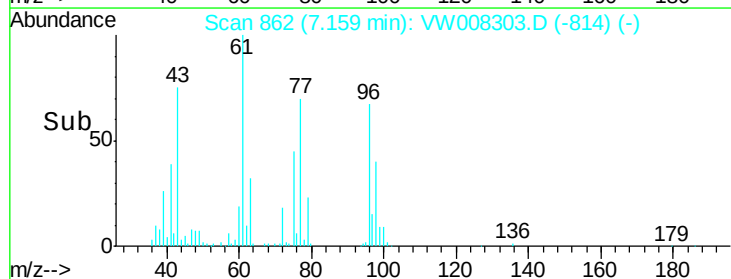
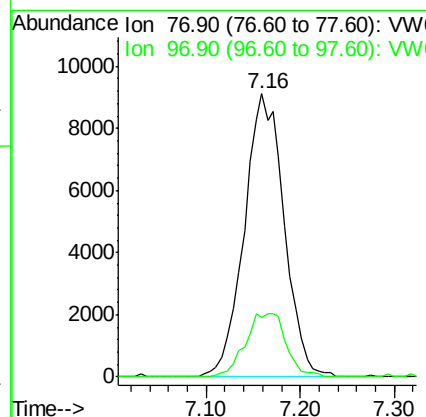
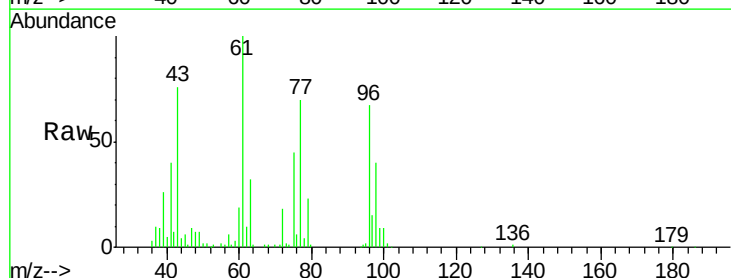
Acq: 16 Jan 2019 12:54

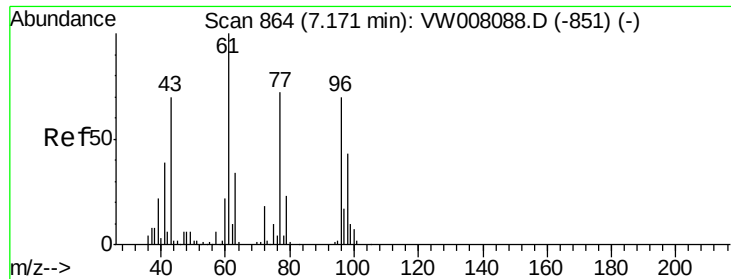
Tgt Ion: 77 Resp: 27009

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.1





#27

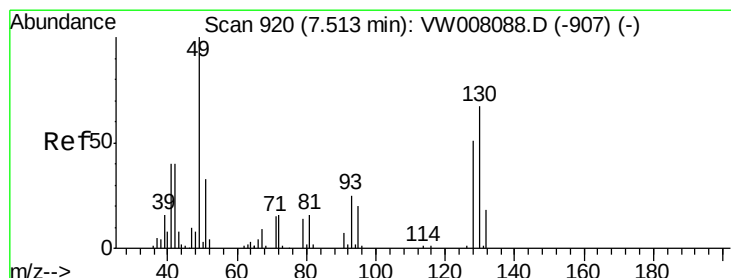
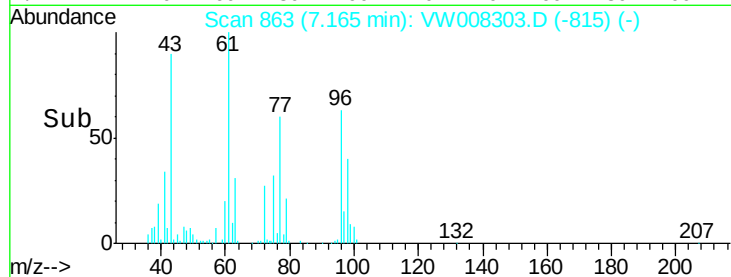
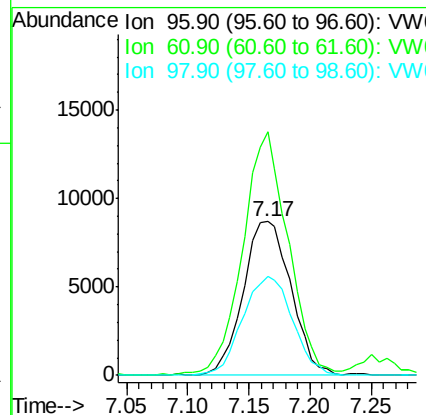
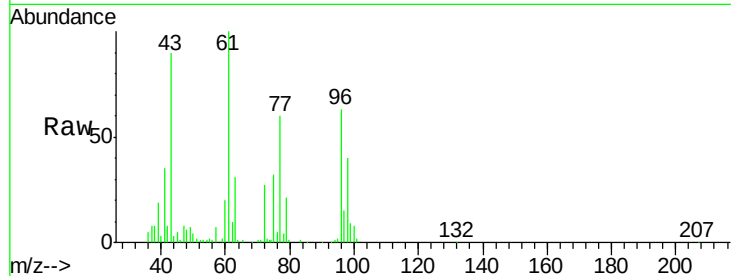
cis-1,2-Dichloroethene
Concen: 19.259 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	300.4
98	66.9	0.0	128.4

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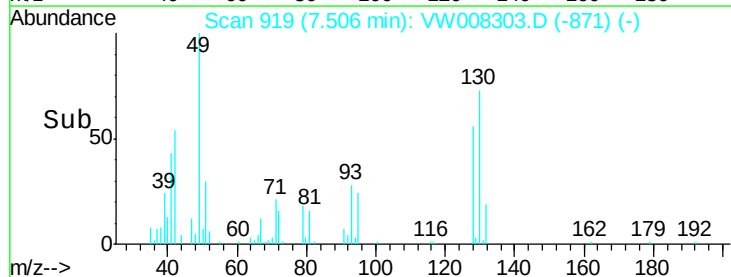
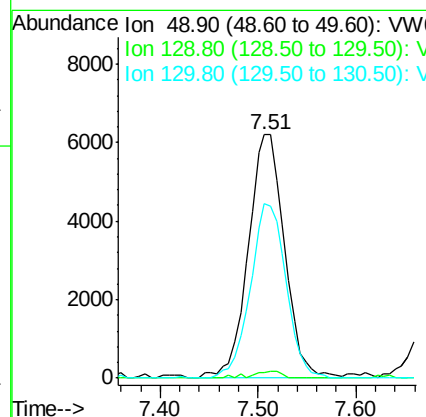
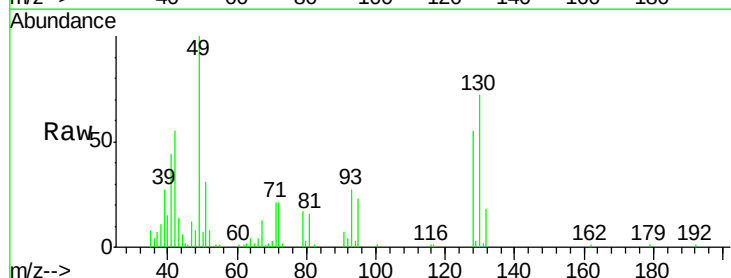
MMDadoda
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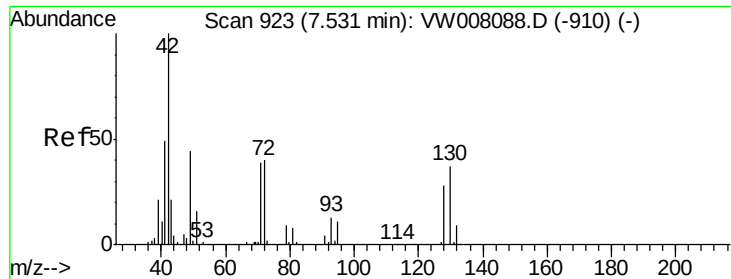


#28

Bromochloromethane
Concen: 19.338 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.8
130	70.5	54.3	81.5





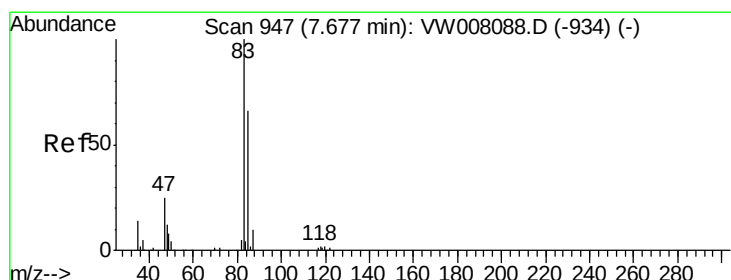
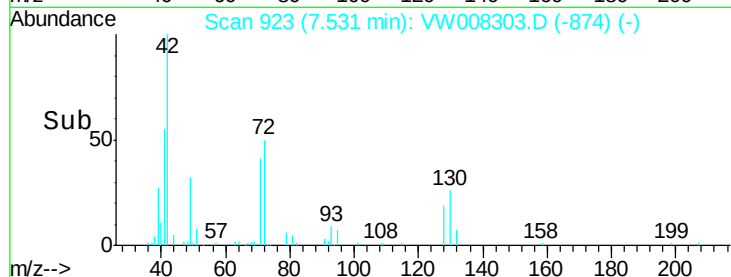
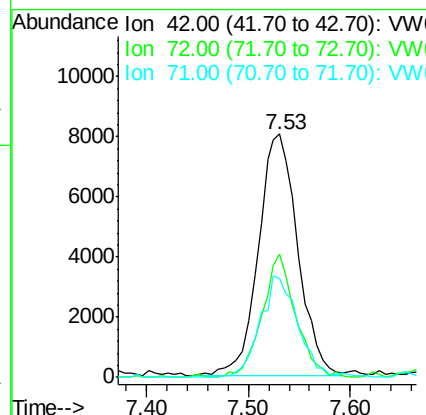
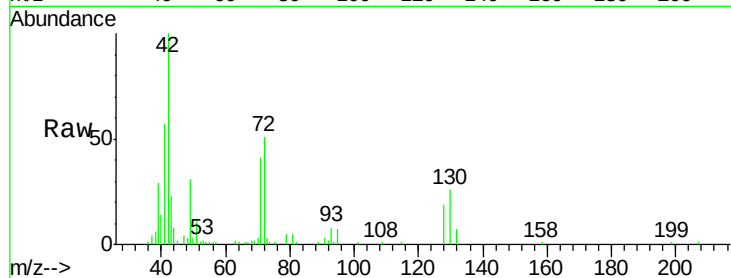
#29
Tetrahydrofuran
Concen: 108.554 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	32.4	48.6
71	40.1	31.3	46.9

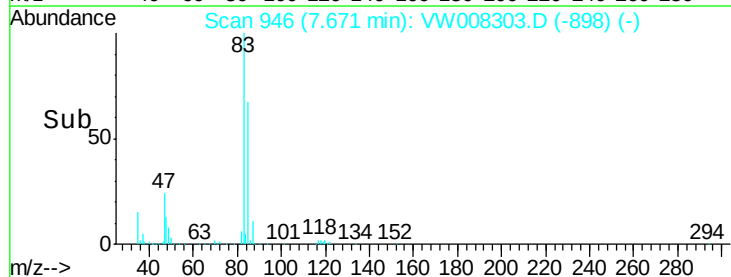
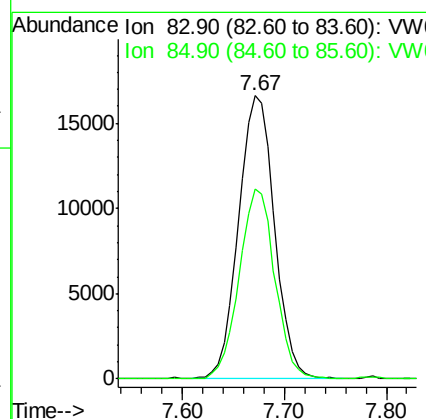
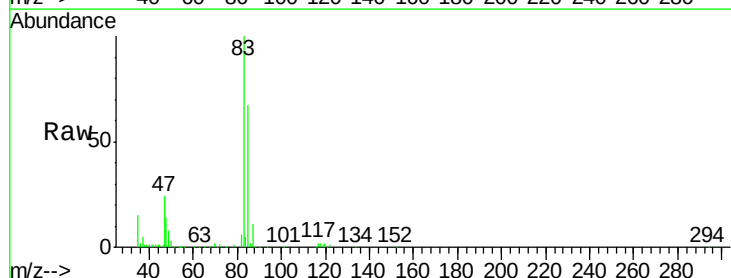
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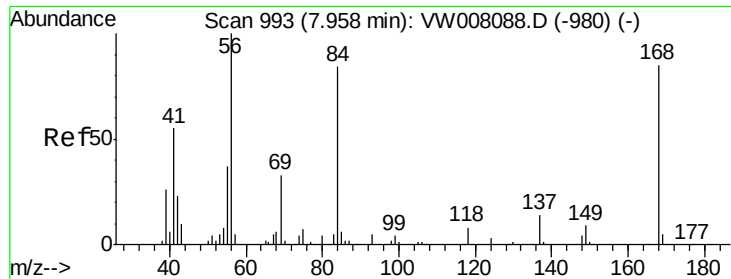
MMDadoda
1/17/2019 11:33:34 AM



#30
Chloroform
Concen: 20.473 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.2	79.8





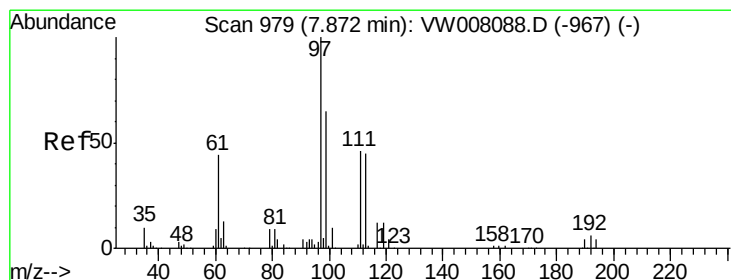
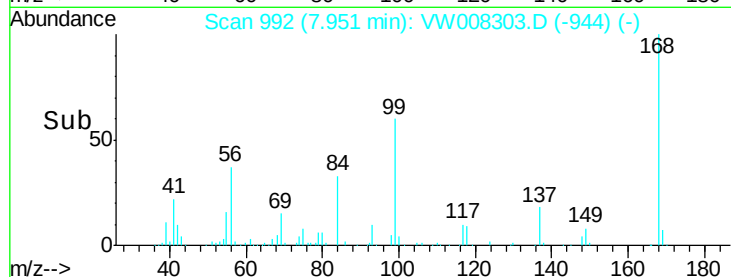
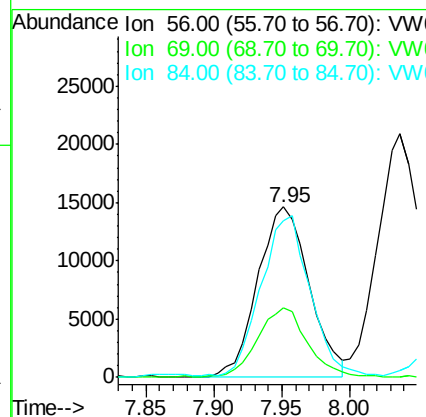
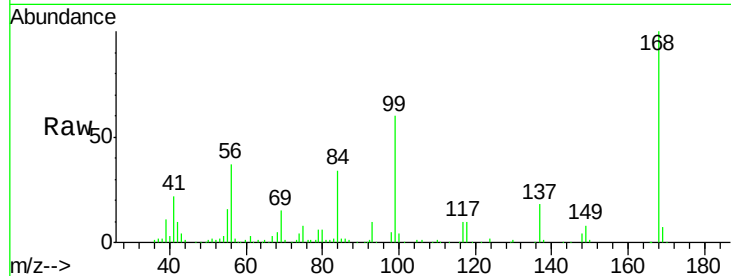
#31
Cyclohexane
Concen: 17.347 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.2	26.2	39.4#
84	90.8	67.4	101.2

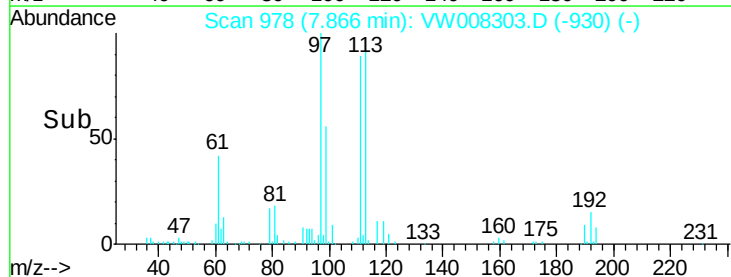
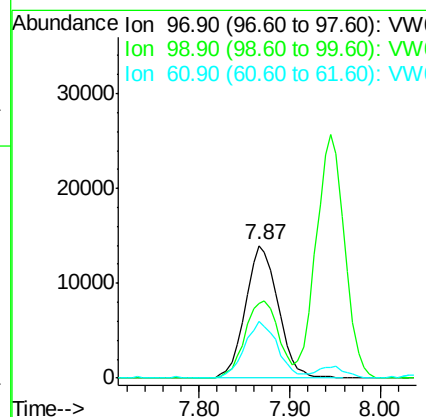
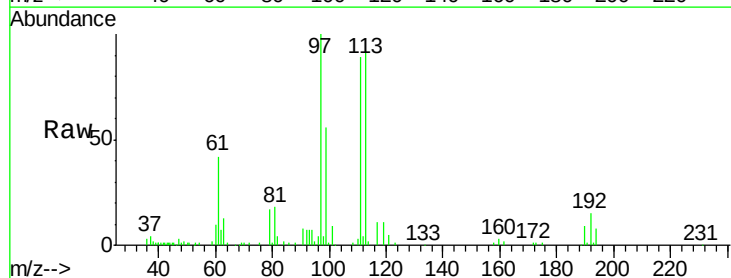
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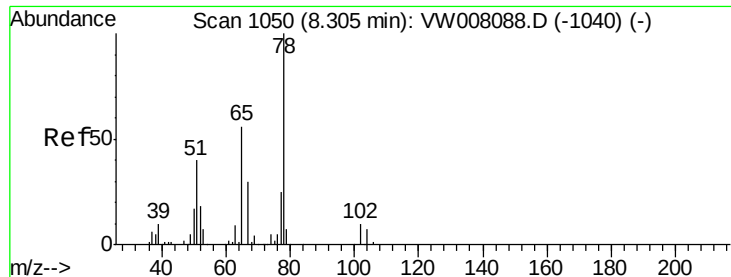
MMDadoda
1/17/2019 11:33:34 AM



#32
1,1,1-Trichloroethane
Concen: 20.169 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.1	51.4	77.0
61	43.8	35.6	53.4





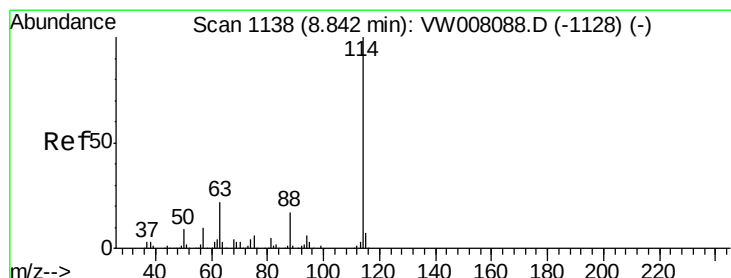
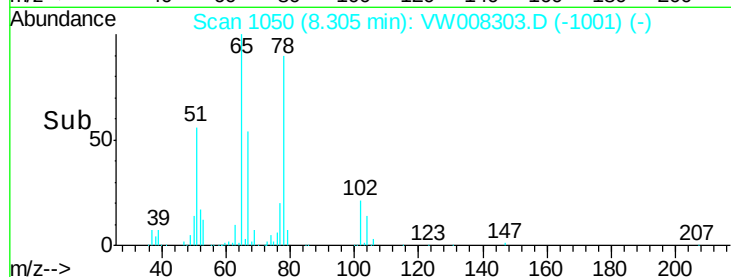
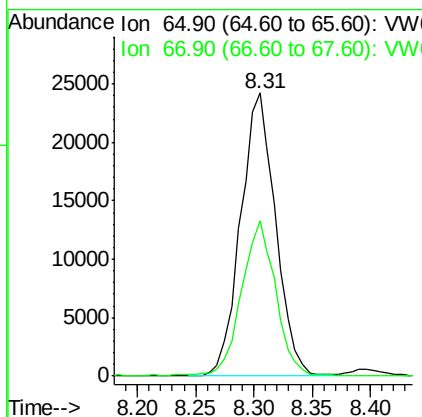
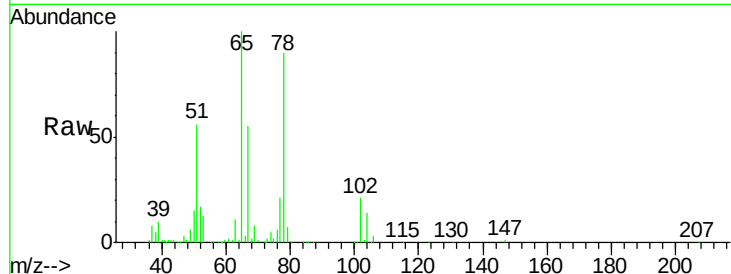
#33
 1,2-Dichloroethane-d4
 Concen: 47.913 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.8

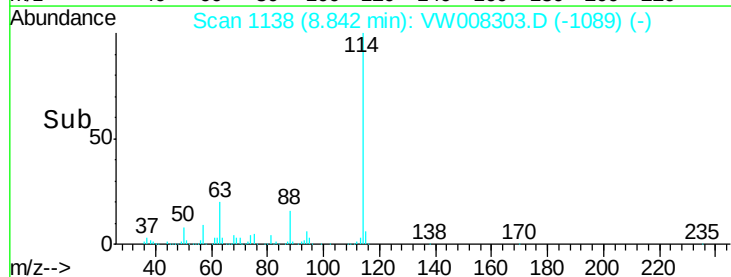
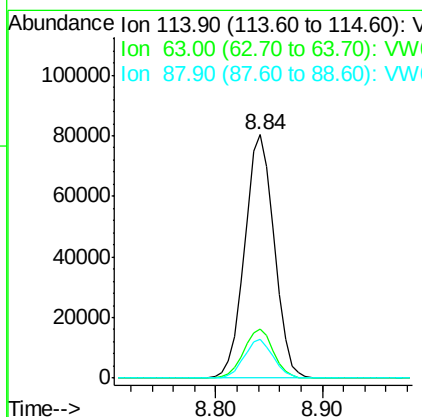
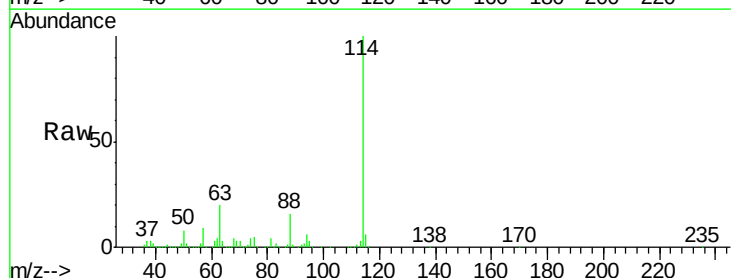
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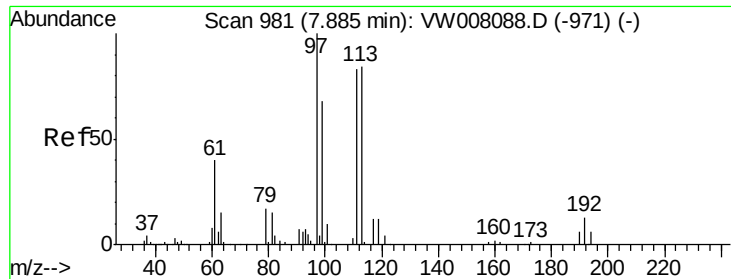
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.4
88	16.2	0.0	33.4





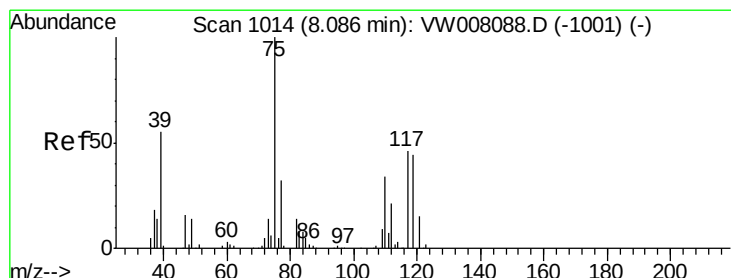
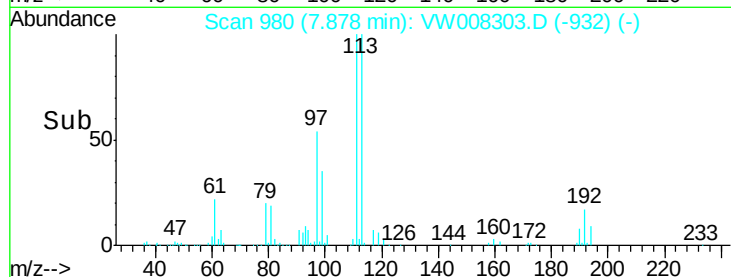
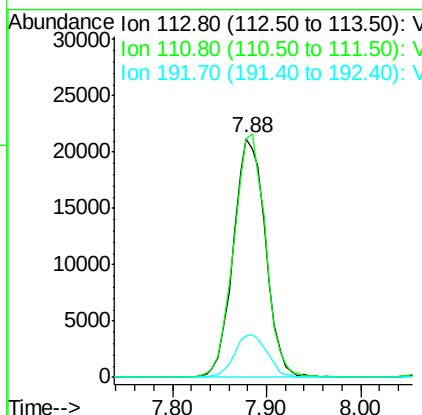
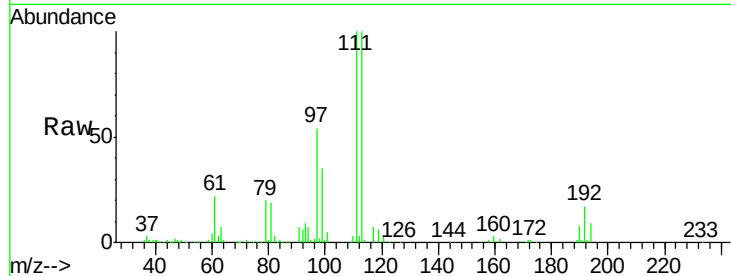
#35
 Dibromofluoromethane
 Concen: 55.227 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	18.4	12.8	19.2

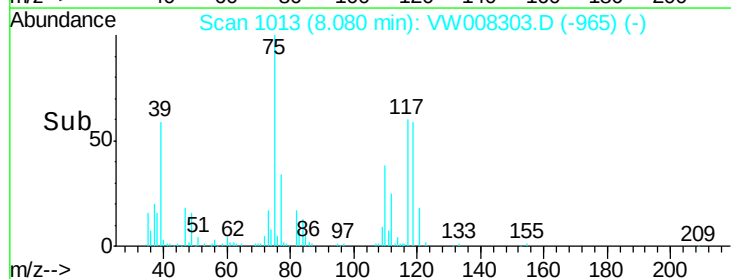
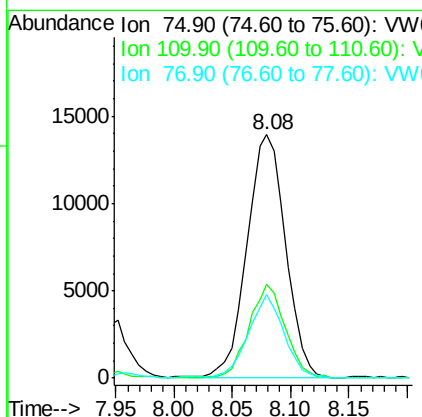
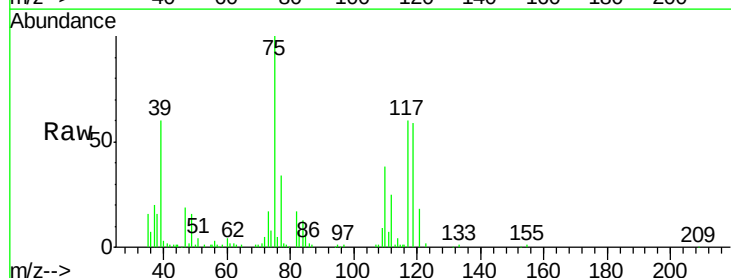
Manual Integrations
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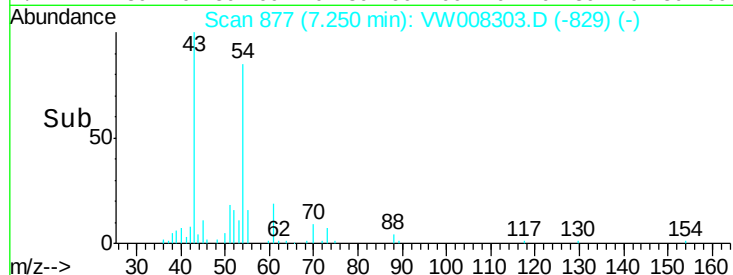
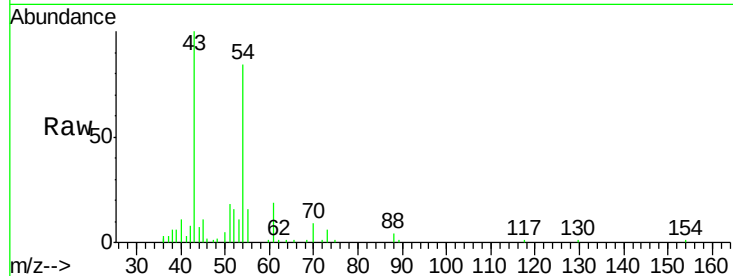
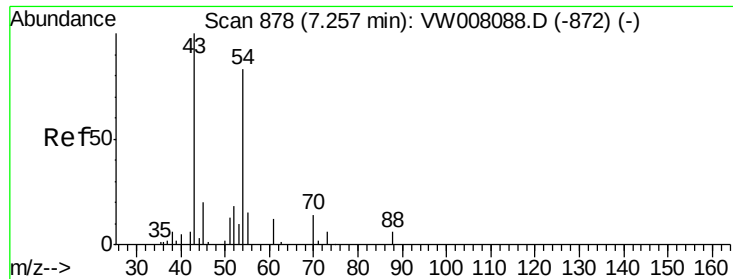
MMDadoda
 1/17/2019 11:33:34 AM



#36
 1,1-Dichloropropene
 Concen: 20.095 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.1	51.3
77	31.5	25.5	38.3





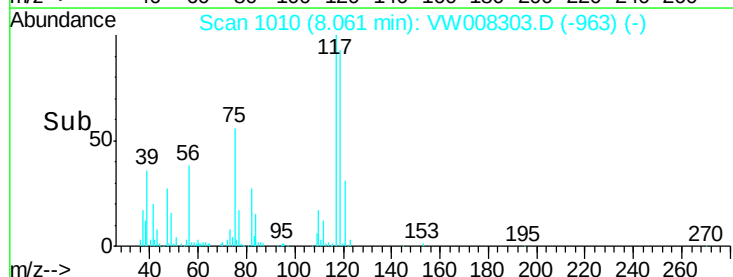
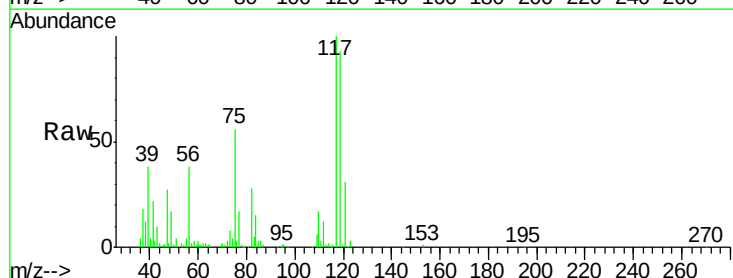
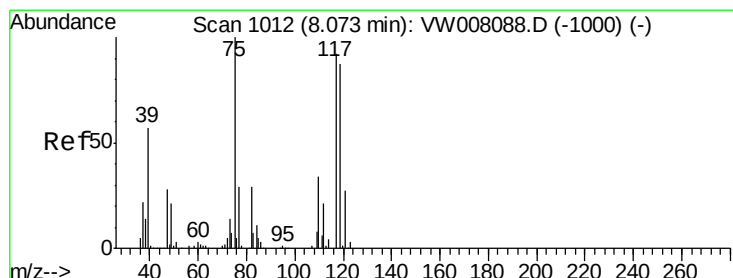
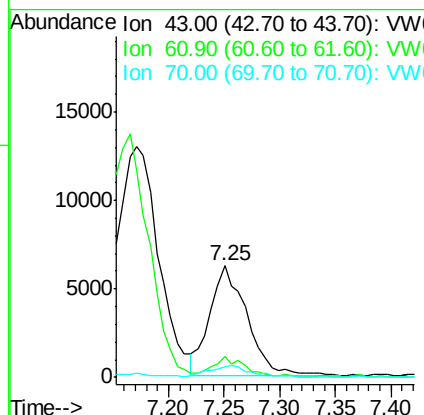
#37
Ethyl Acetate
Concen: 22.345 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	16.0
70	12.8	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

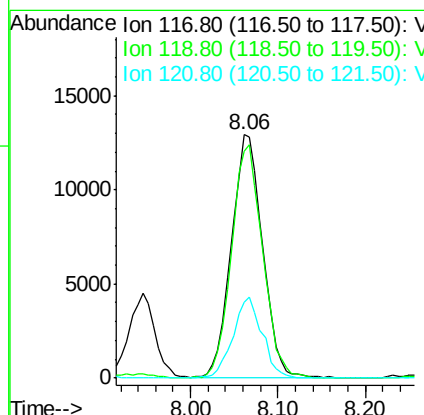
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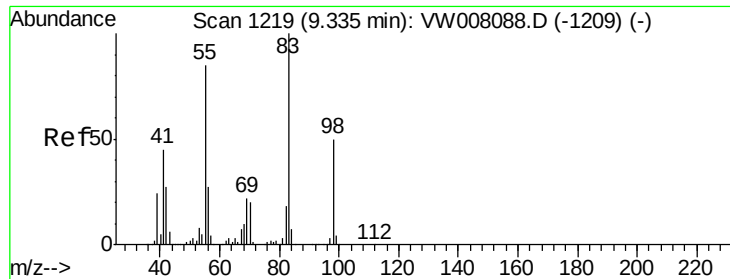
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#38
Carbon Tetrachloride
Concen: 21.834 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.8	113.8
121	31.1	23.7	35.5





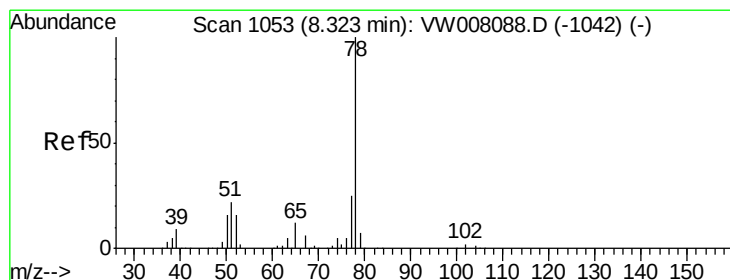
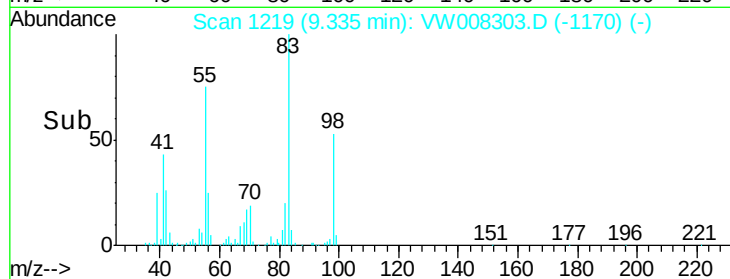
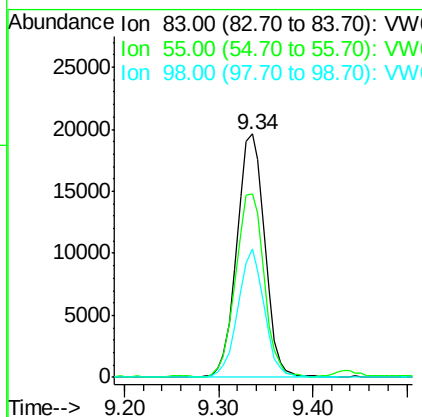
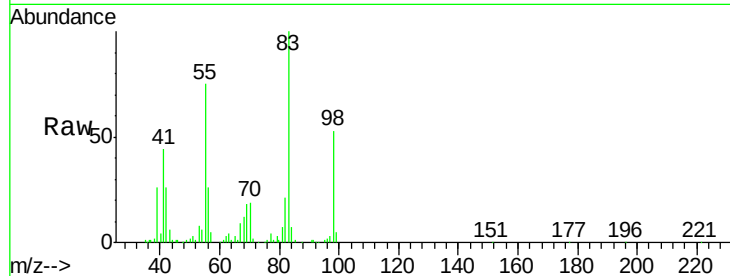
#39
Methylvlcyclohexane
Concen: 19.920 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion: 83 Resp: 40654
Ion Ratio Lower Upper
83 100
55 74.8 67.8 101.6
98 52.9 40.2 60.4

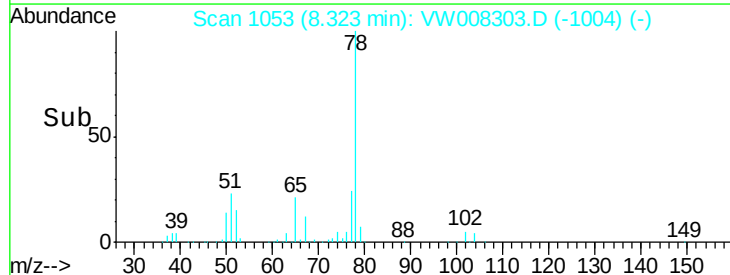
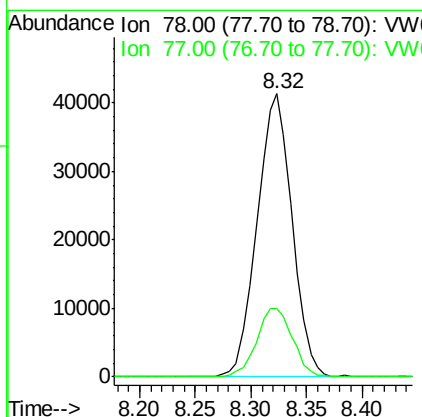
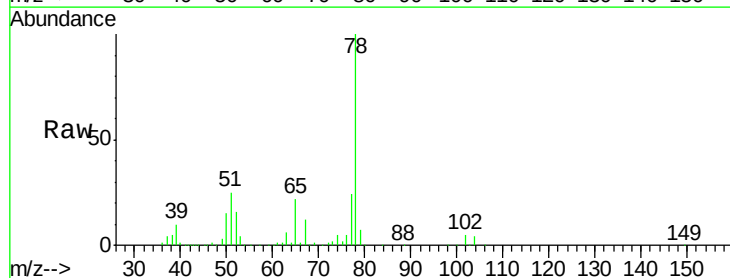
Manual Integrations
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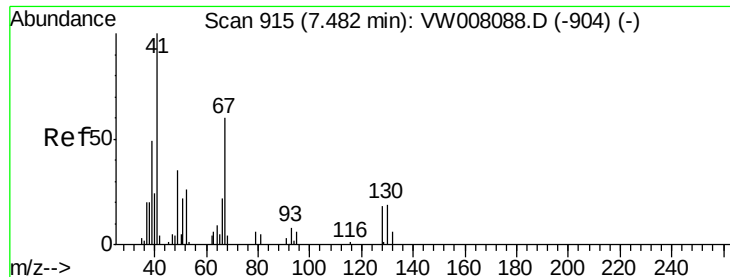
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#40
Benzene
Concen: 20.688 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 78 Resp: 90316
Ion Ratio Lower Upper
78 100
77 24.1 20.2 30.4





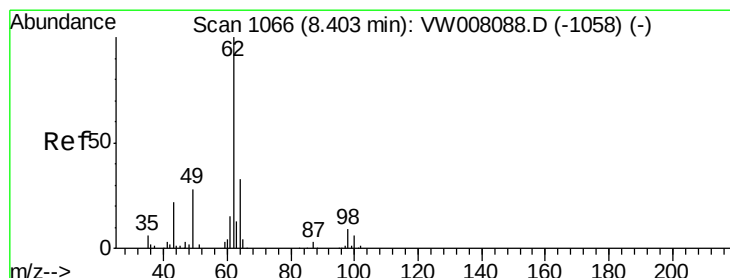
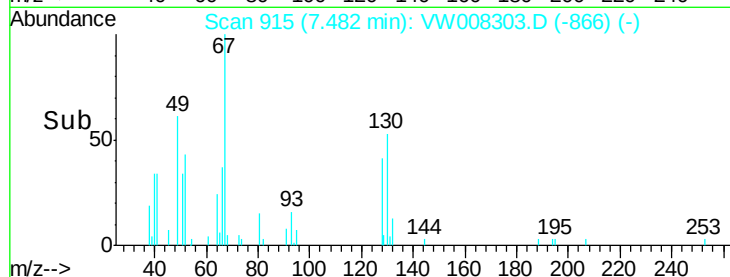
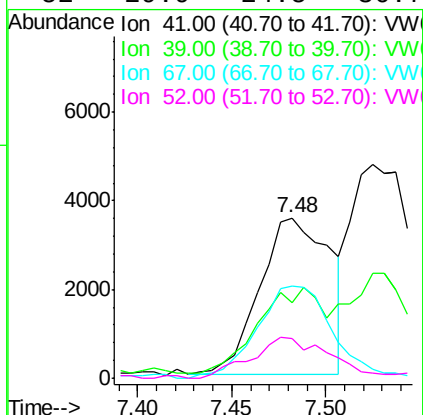
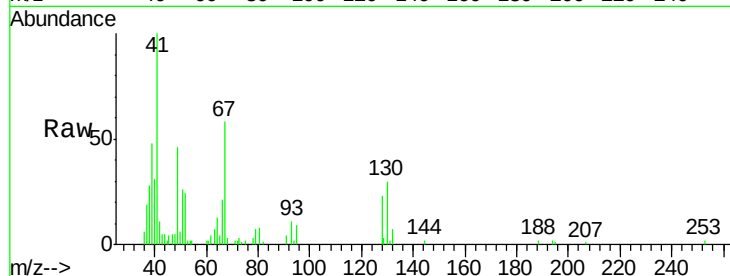
#41
Methacrylonitrile
Concen: 22.556 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

Tot Ion:	41	Resp:	9188
Ion	Ratio	Lower	Upper
41	100		
39	48.9	47.9	71.9
67	62.9	56.3	84.5
52	29.9	24.5	36.7

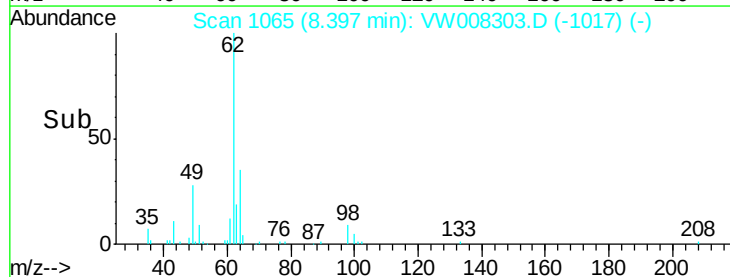
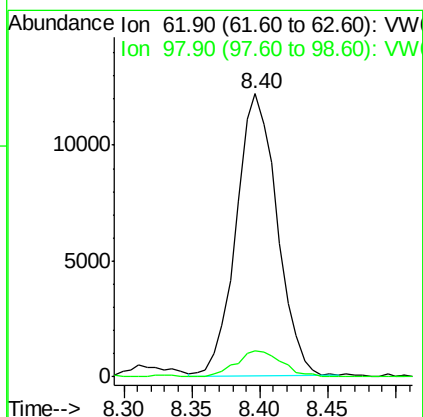
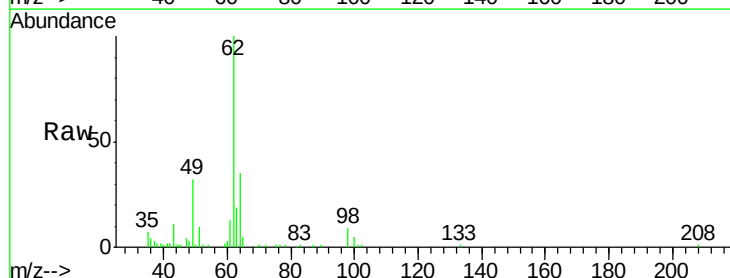
Manual Integrations
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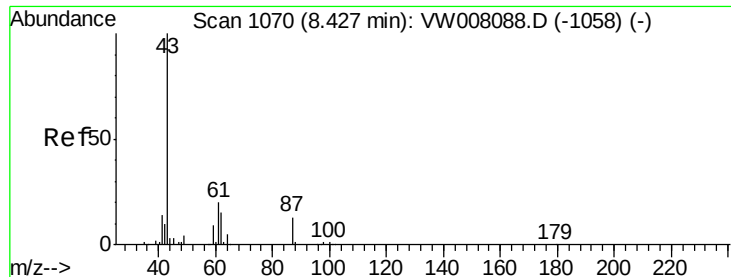
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1/17/2019 11:33:34 AM



#42
1,2-Dichloroethane
Concen: 20.860 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion:	62	Resp:	25613
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.400 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

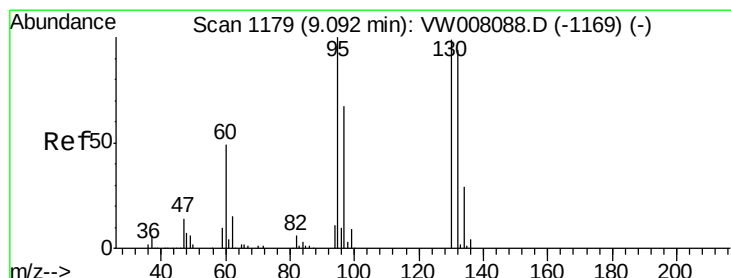
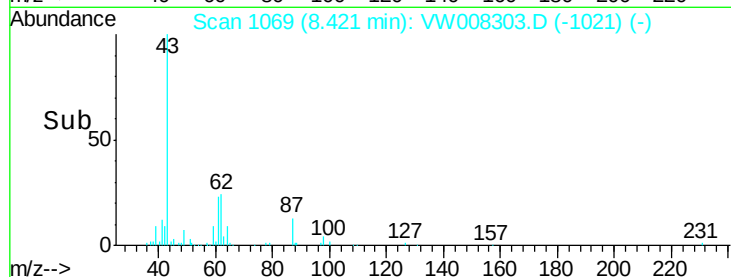
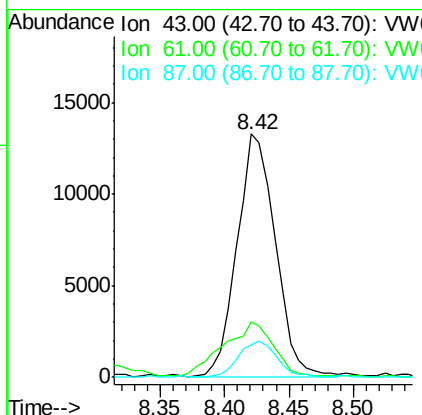
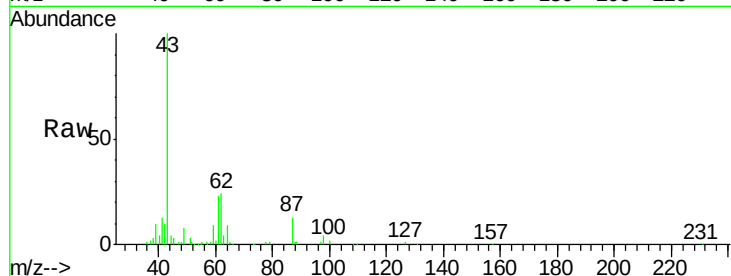
ClientSampleId :

VW0116SBS01

Tot Ion:	43	Resp:	27590
Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.8	37.2
87	14.9	10.4	15.6

Manual Integrations
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1/17/2019 11:33:34 AM



#44

Trichloroethene

Concen: 22.338 ug/l

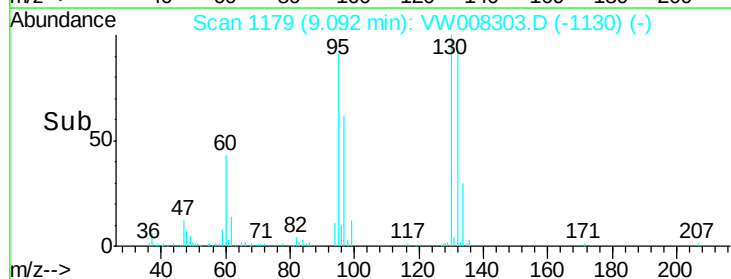
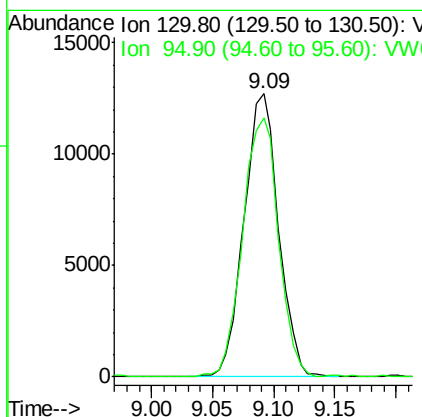
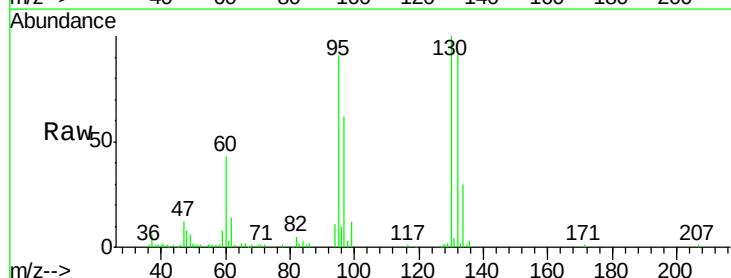
RT: 9.09 min Scan# 1179

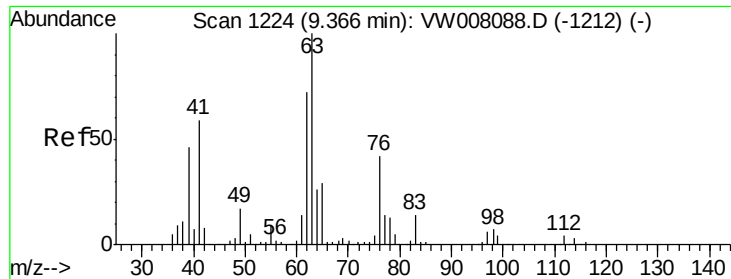
Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion:	130	Resp:	24963
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	202.8





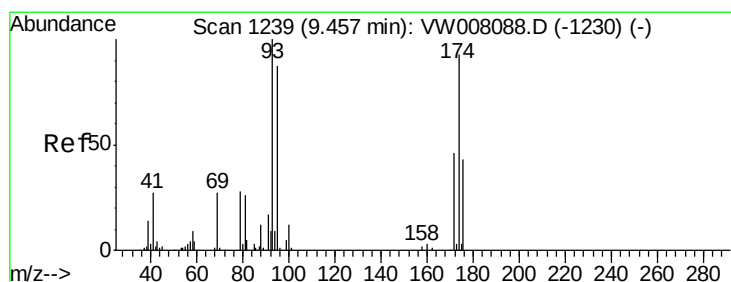
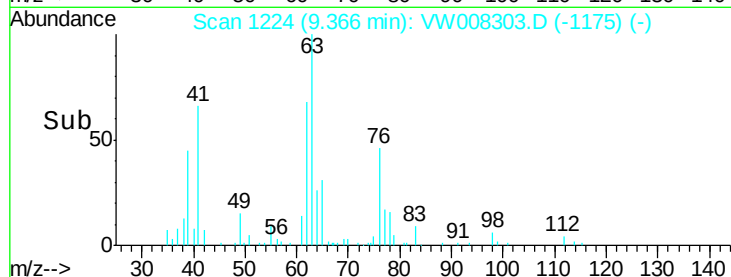
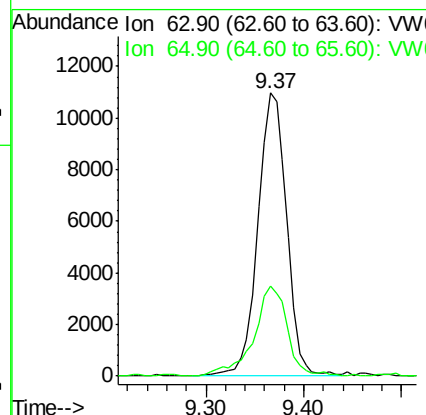
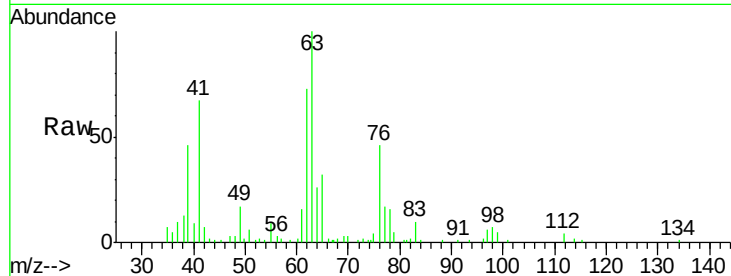
#45
 1,2-Dichloropropane
 Concen: 20.874 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Tot Ion: 63 Resp: 22595
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.3 34.9

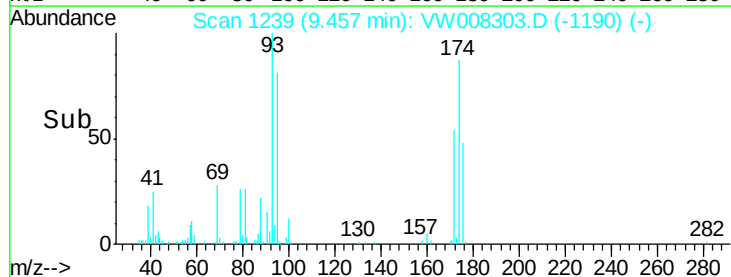
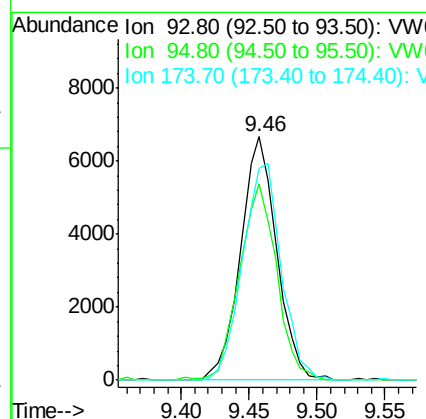
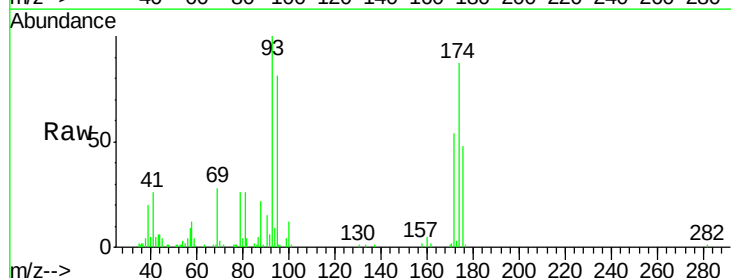
Manual Integrations
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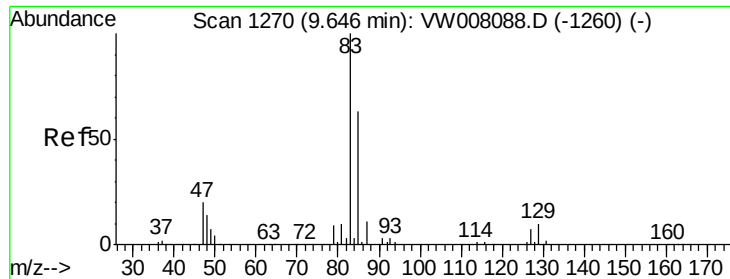
MMDadoda
 1/17/2019 11:33:34 AM



#46
 Dibromomethane
 Concen: 23.301 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion: 93 Resp: 12387
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.5 101.3
 174 95.2 72.5 108.7





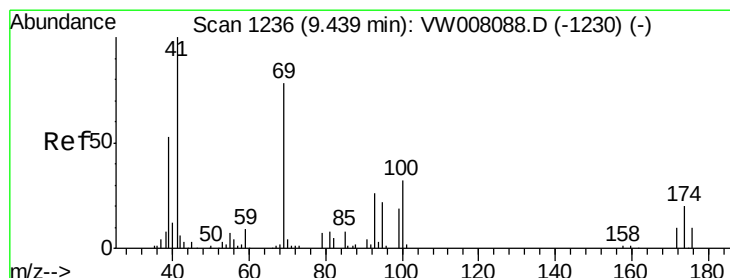
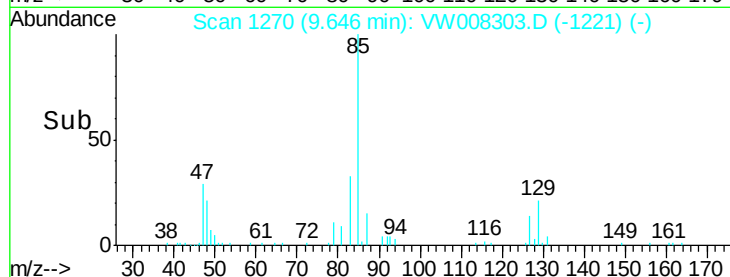
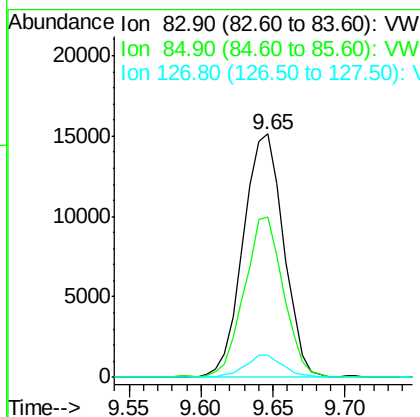
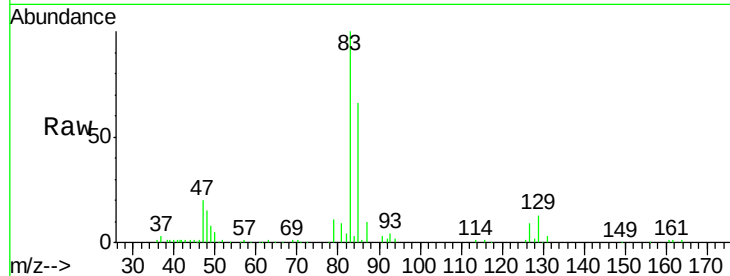
#47
 Bromodichloromethane
 Concen: 21.795 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Tot Ion	83	Resp	29420
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	50.7	76.1
127	9.2	6.0	9.0#

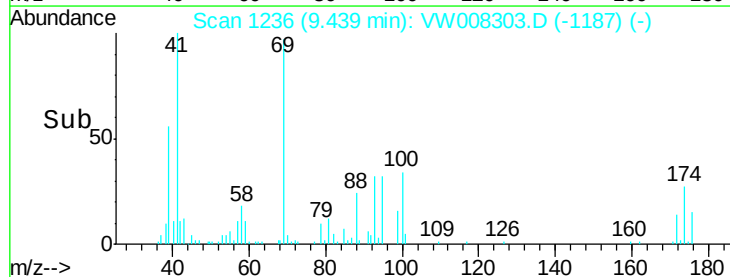
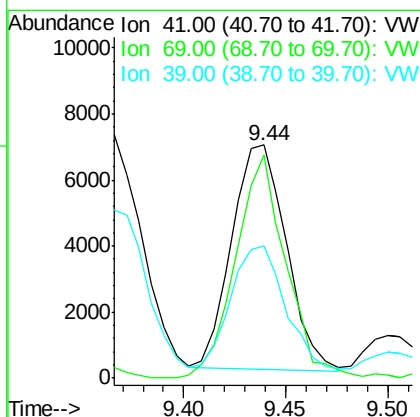
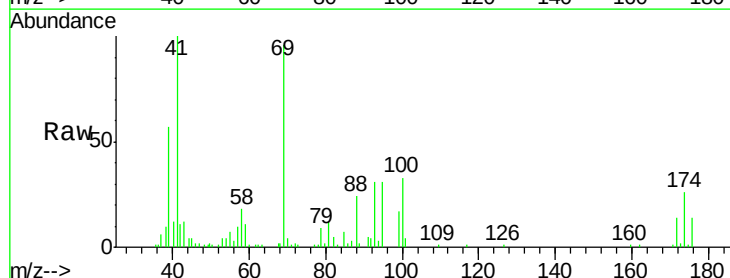
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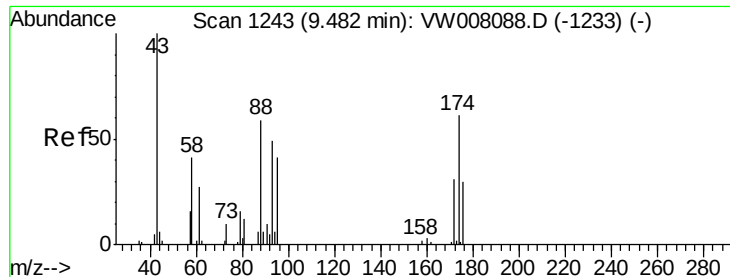
MMDadoda
 1/17/2019 11:33:34 AM



#48
 Methyl methacrylate
 Concen: 20.669 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion	41	Resp	12574
Ion Ratio	100	Lower	Upper
41	100		
69	92.4	61.9	92.9
39	54.1	43.0	64.4





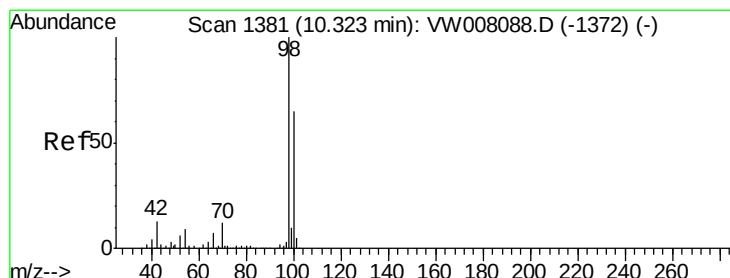
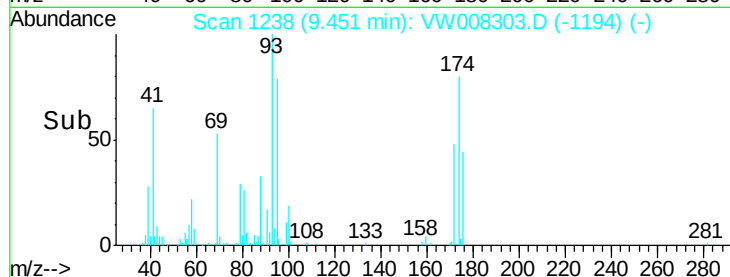
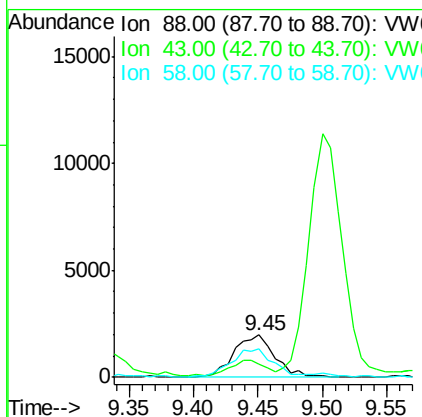
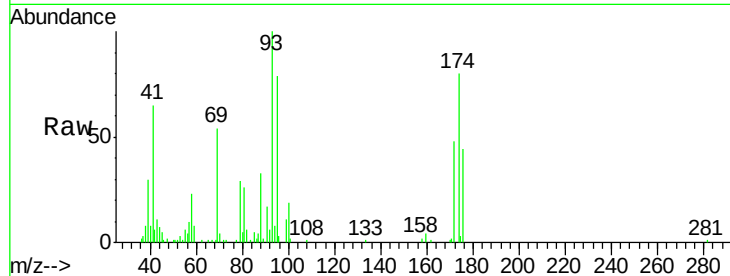
#49
1,4-Dioxane
Concen: 508.587 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion	88	Resp	4348
Ion Ratio	100	Lower	Upper
88	100		
43	30.1	0.0	0.0#
58	68.3	61.7	92.5

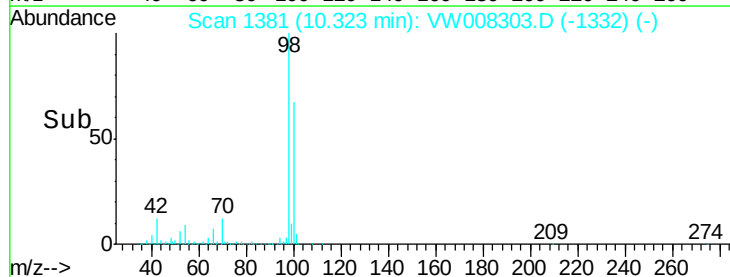
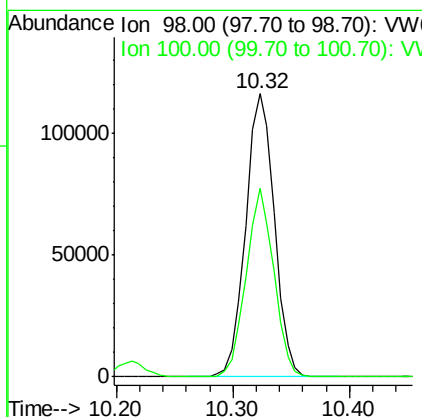
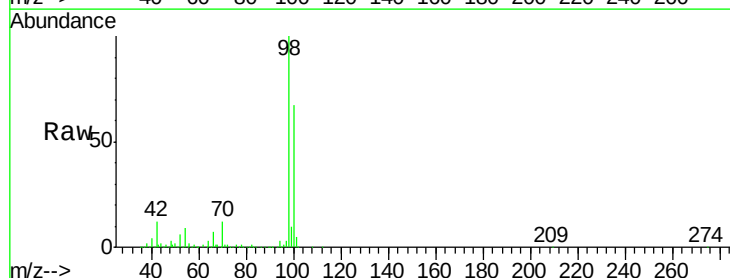
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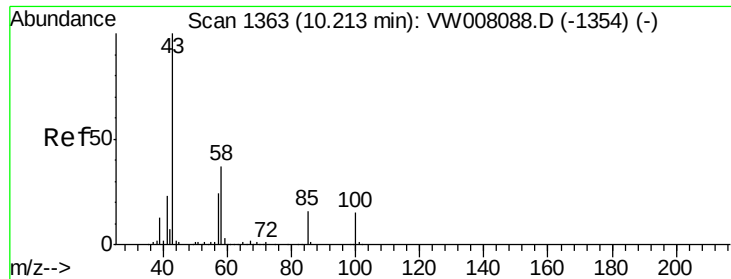
MMDadoda
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#50
Toluene-d8
Concen: 52.281 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion	98	Resp	199934
Ion Ratio	100	Lower	Upper
98	100		
100	64.5	51.7	77.5





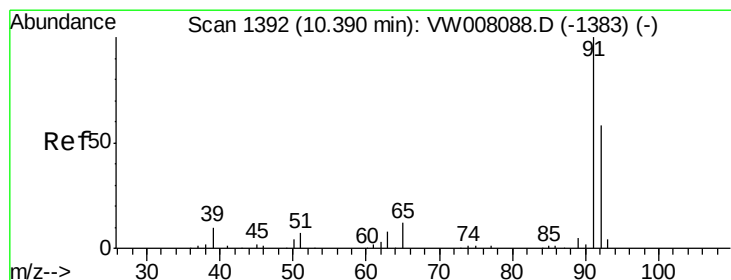
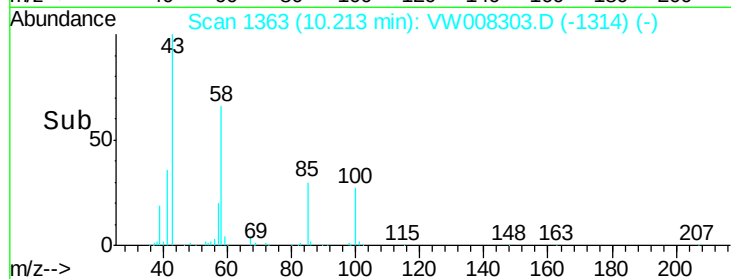
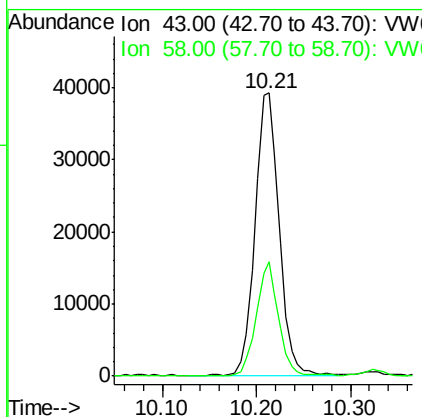
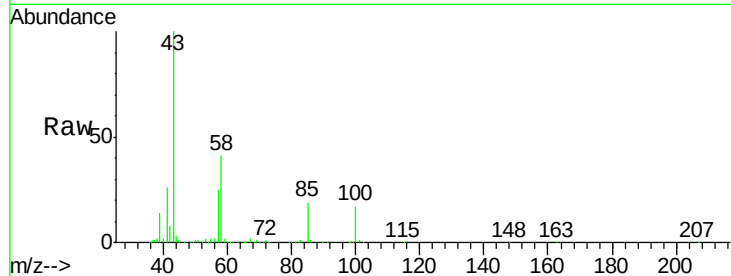
#51
4-Methyl-2-Pentanone
Concen: 113.372 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

Tot Ion: 43 Resp: 70753
Ion Ratio Lower Upper
43 100
58 37.8 30.6 46.0

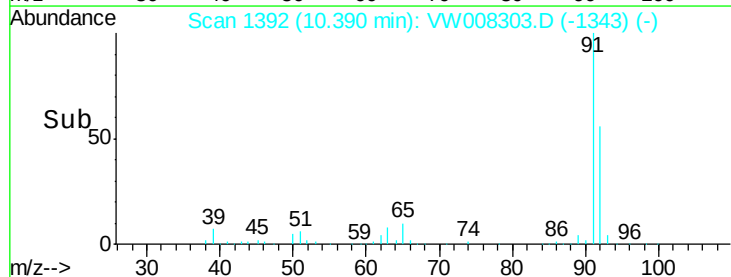
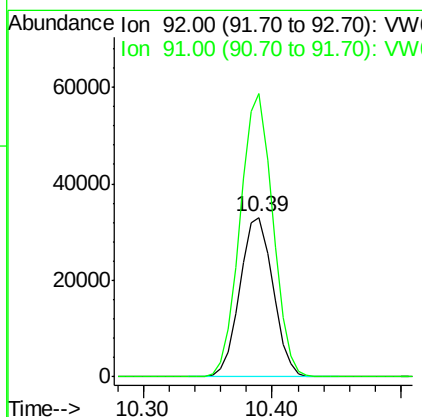
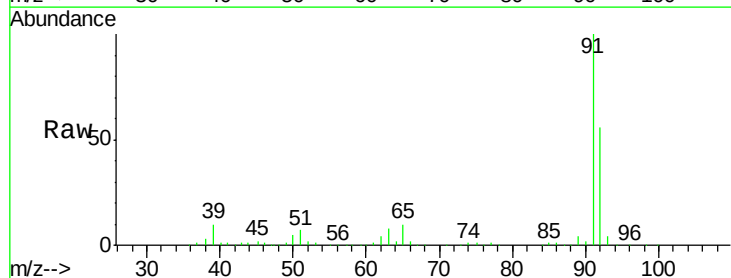
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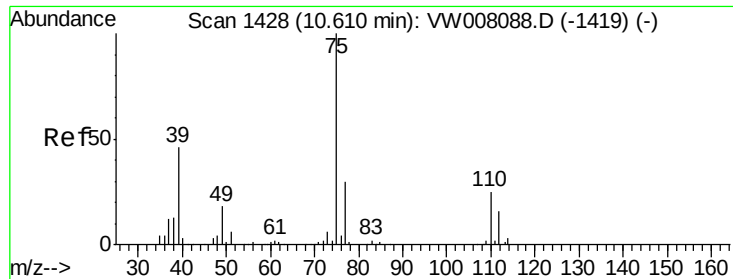
MMDadoda
1/17/2019 11:33:34 AM



#52
Toluene
Concen: 21.090 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 92 Resp: 58798
Ion Ratio Lower Upper
92 100
91 175.1 137.0 205.4





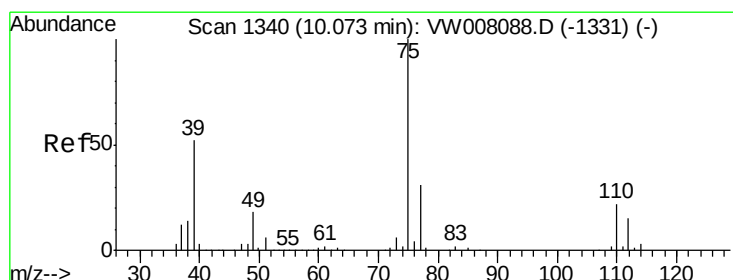
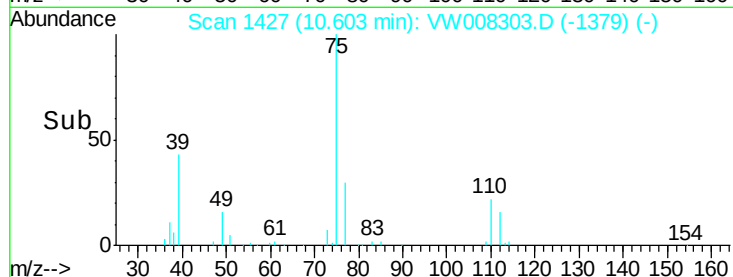
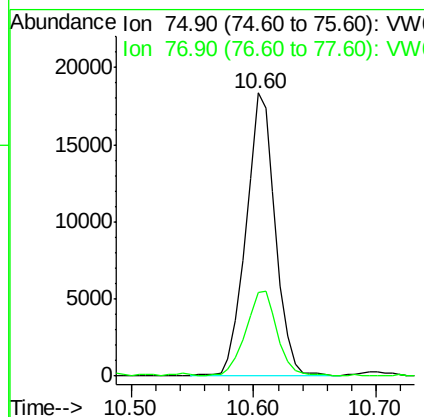
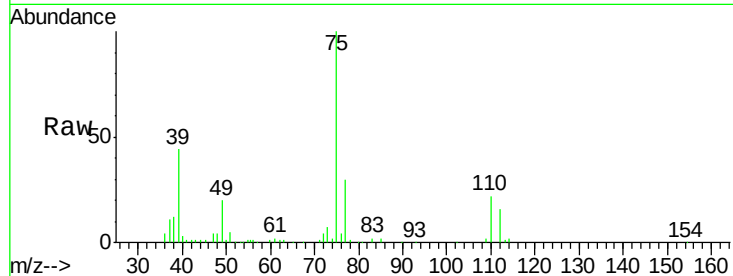
#53
t-1,3-Dichloropropene
Concen: 21.699 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

Tot Ion: 75 Resp: 30467
Ion Ratio Lower Upper
75 100
77 29.5 24.4 36.6

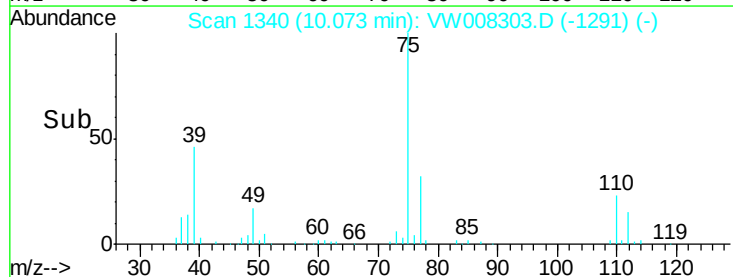
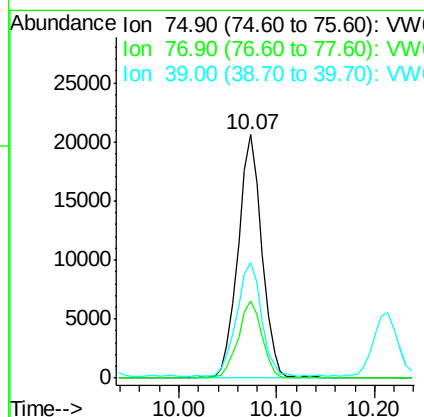
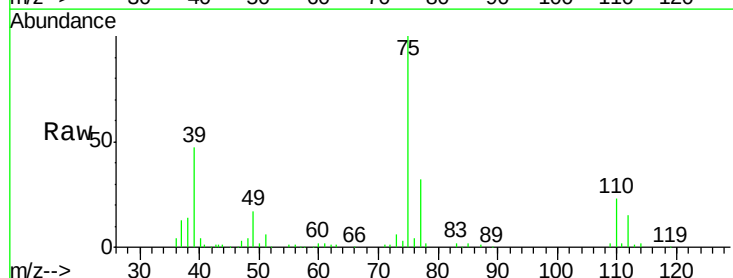
Manual Integrations
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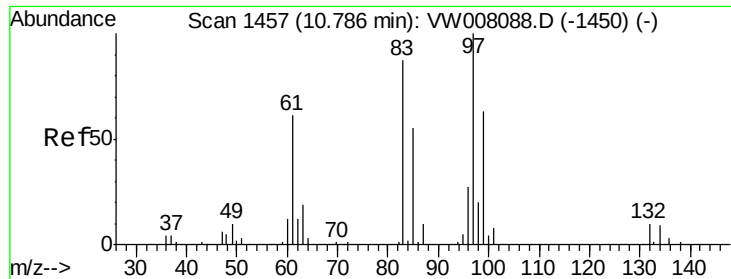
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.049 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 75 Resp: 35046
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 46.6 41.4 62.0





#55

1,1,2-Trichloroethane

Concen: 23.207 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

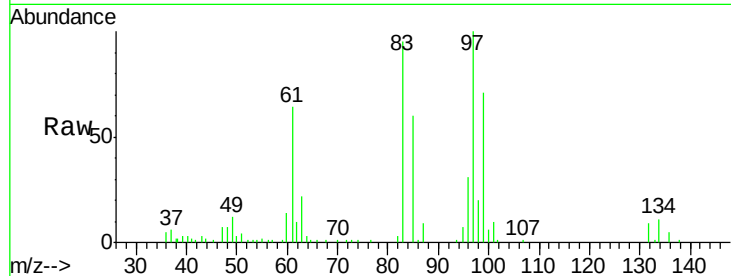
ClientSampleId :

VW0116SBSD01

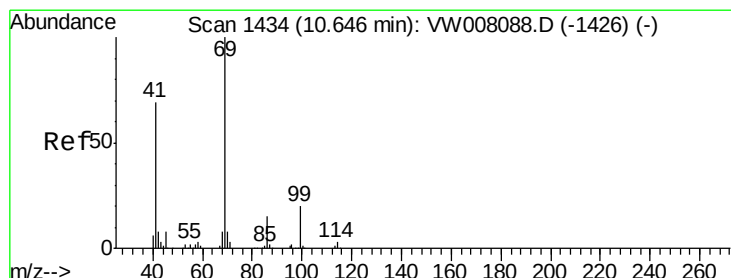
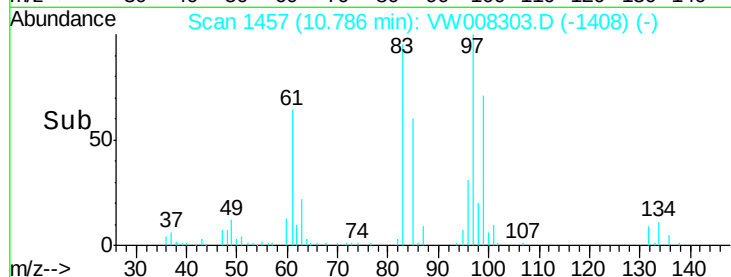
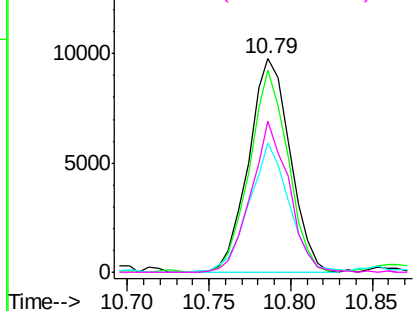
Tot Ion:	97	Resp:	17321
Ion	Ratio	Lower	Upper
97	100		
83	94.9	69.3	103.9
85	60.5	43.8	65.6
99	70.6	50.0	75.0

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



#56

Ethyl methacrylate

Concen: 22.598 ug/l

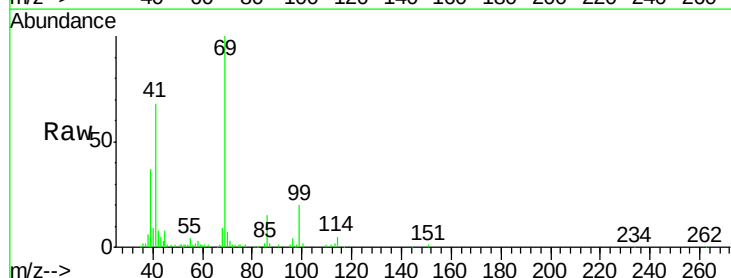
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

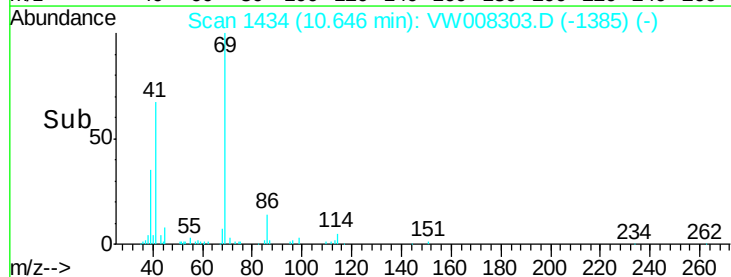
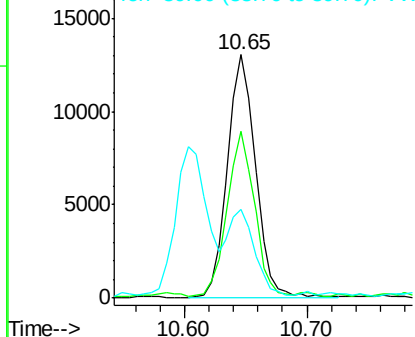
Lab File: VW008303.D

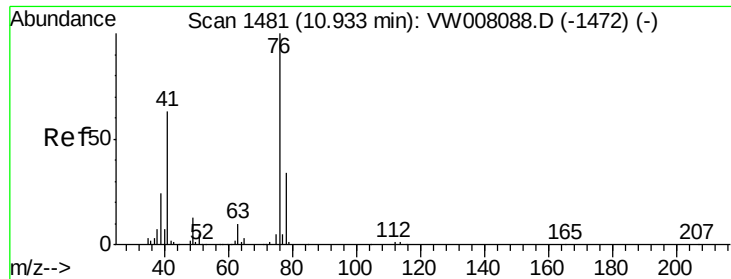
Acq: 16 Jan 2019 12:54

Tgt Ion:	69	Resp:	20888
Ion	Ratio	Lower	Upper
69	100		
41	64.5	56.4	84.6
39	33.6	28.1	42.1



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





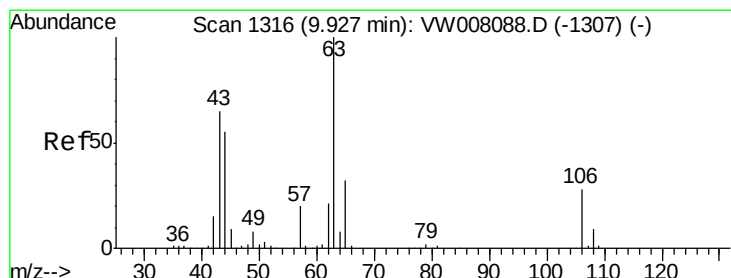
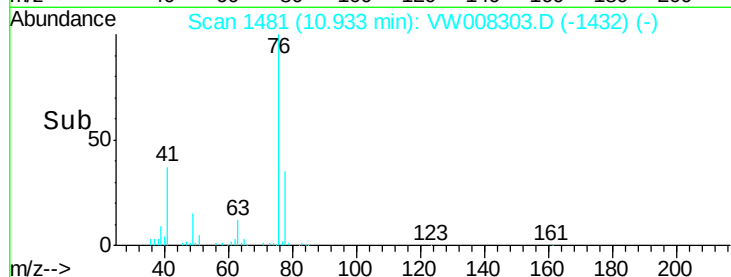
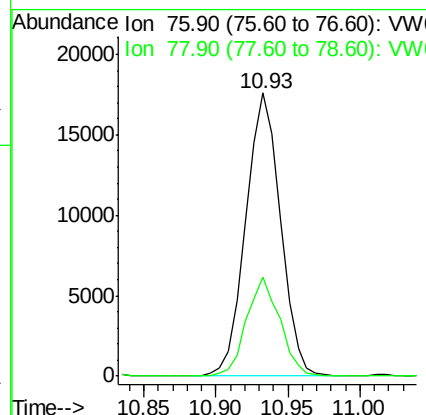
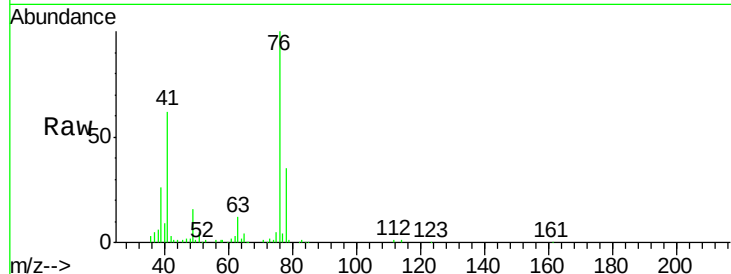
#57
 1,3-Dichloropropane
 Concen: 21.498 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Tot Ion: 76 Resp: 29345
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.7 38.5

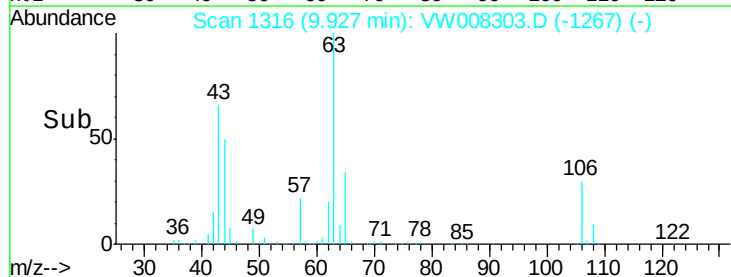
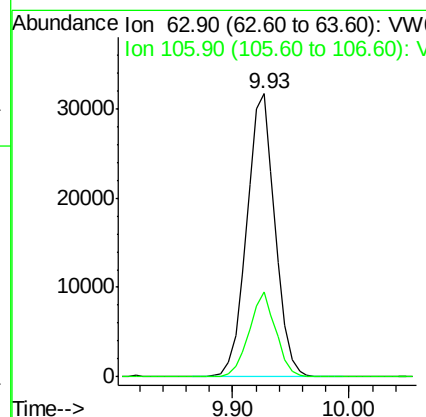
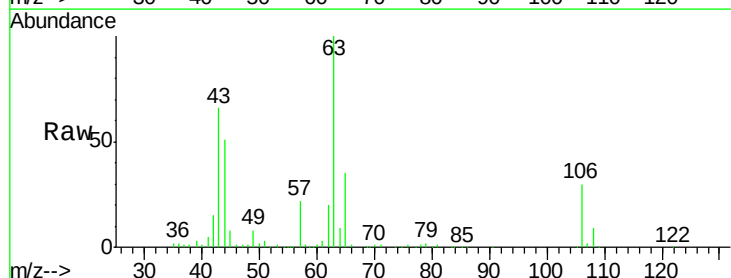
Manual Integrations
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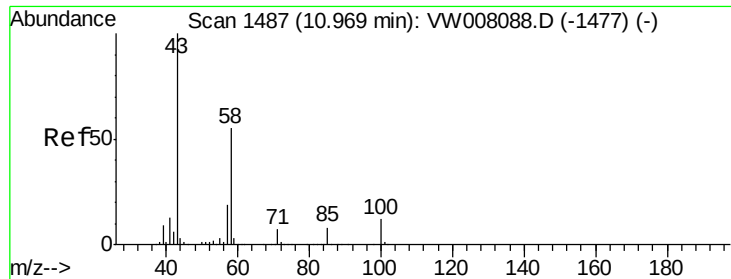
MMDadoda
 1/17/2019 11:33:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.700 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion: 63 Resp: 53332
 Ion Ratio Lower Upper
 63 100
 106 28.4 21.8 32.6





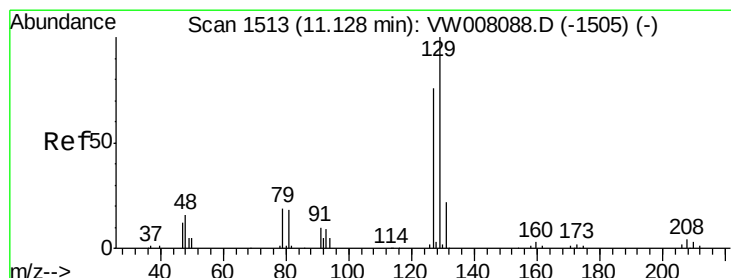
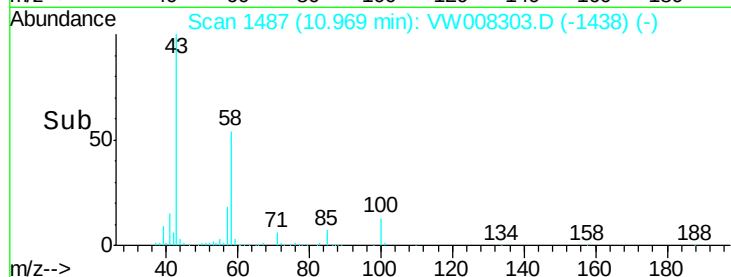
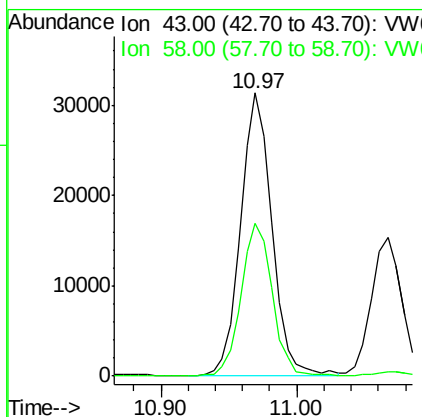
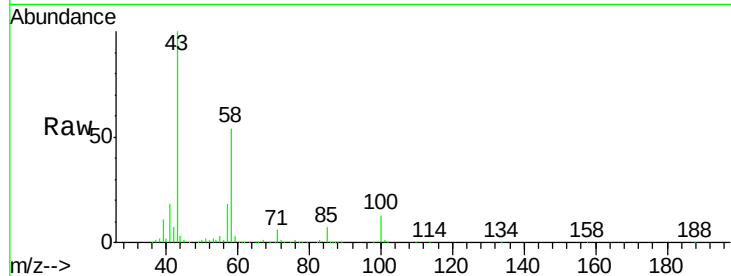
#59
2-Hexanone
Concen: 119.951 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampled :
VW0116SBSD01

Tot Ion: 43 Resp: 50623
Ion Ratio Lower Upper
43 100
58 54.1 27.2 81.5

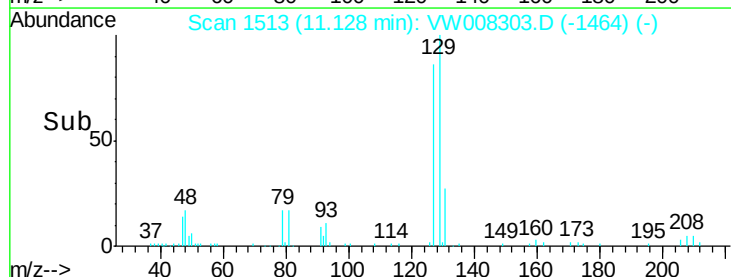
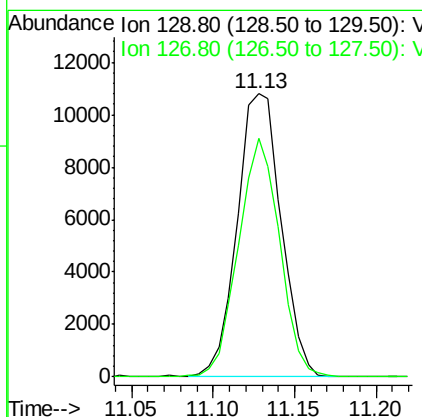
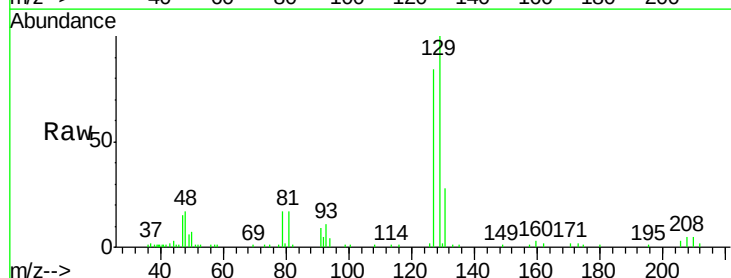
Manual Integrations
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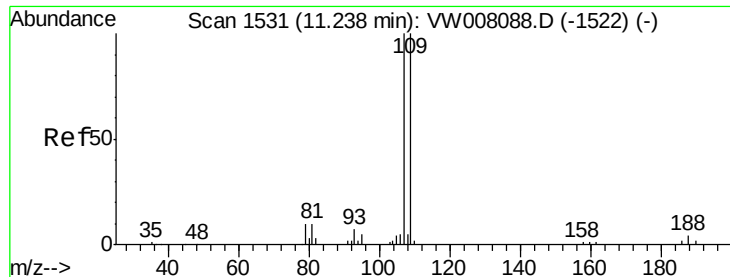
MMDadoda
1/17/2019 11:33:34 AM



#60
Dibromochloromethane
Concen: 24.733 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 129 Resp: 20271
Ion Ratio Lower Upper
129 100
127 79.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 23.105 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion:107 Resp: 16363

Ion Ratio Lower Upper

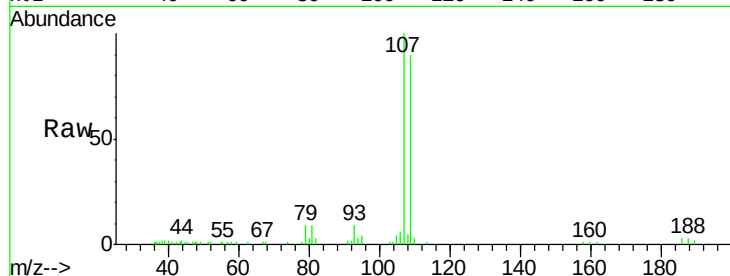
107 100

109 95.5 75.9 113.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

10000

8000

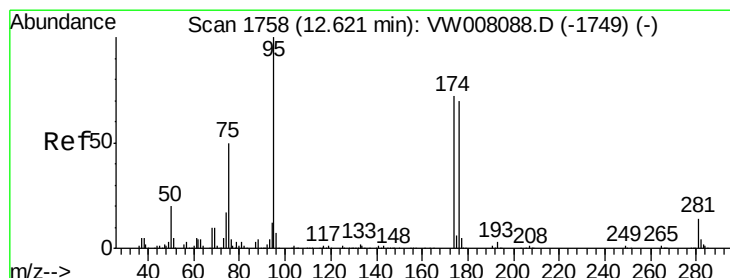
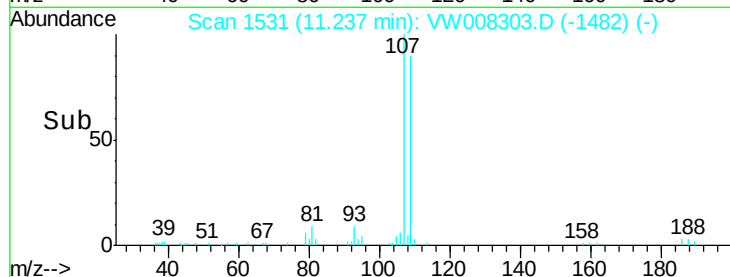
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.046 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

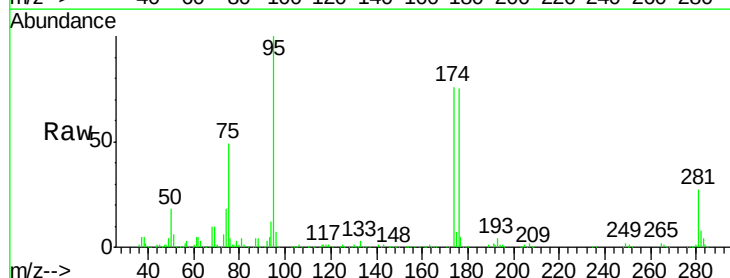
Tgt Ion: 95 Resp: 72725

Ion Ratio Lower Upper

95 100

174 76.6 0.0 143.0

176 76.4 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

60000

50000

40000

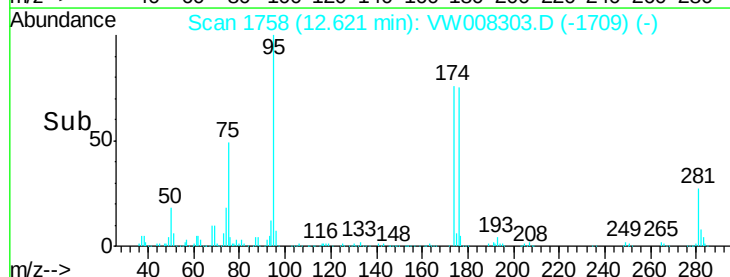
30000

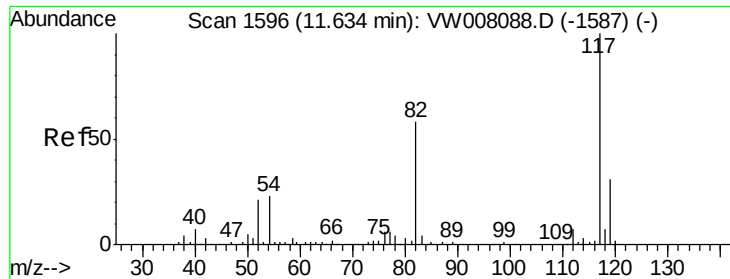
20000

10000

0

Time-->





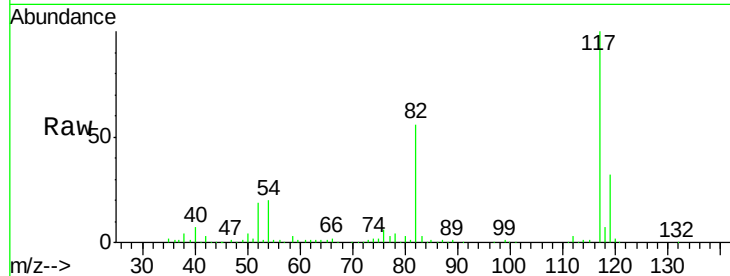
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.4	69.6
119	31.6	24.7	37.1

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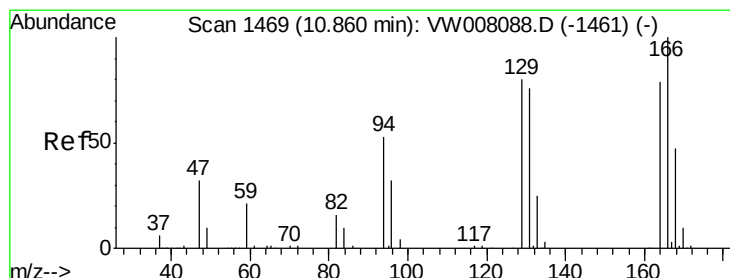
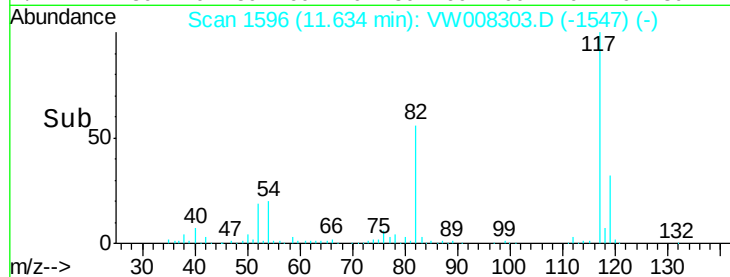
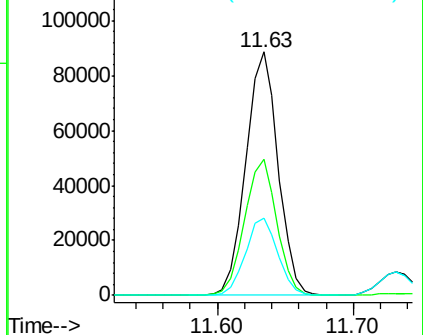


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.529 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.7	100.7	151.1
129	90.0	81.0	121.4
131	84.6	76.1	114.1

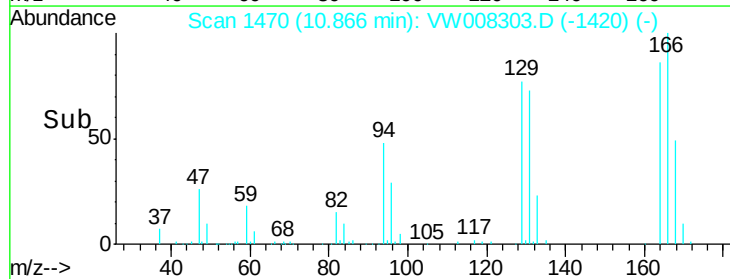
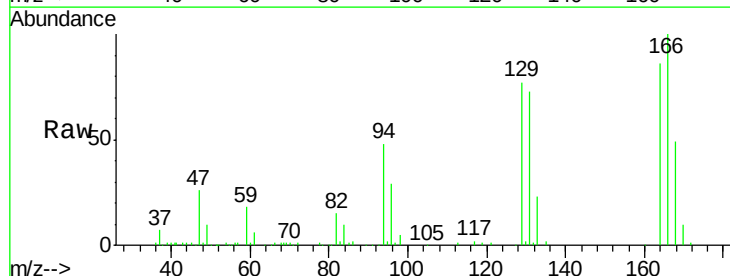
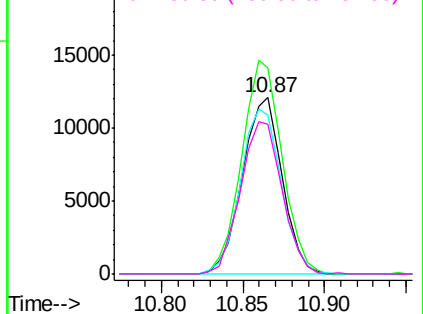
Abundance

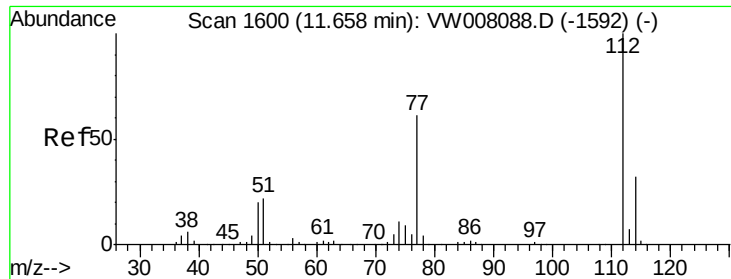
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.806 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion:112 Resp: 64817

Ion Ratio Lower Upper

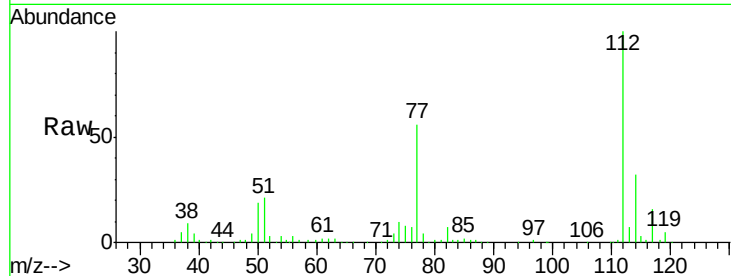
112 100

114 32.1 25.6 38.4

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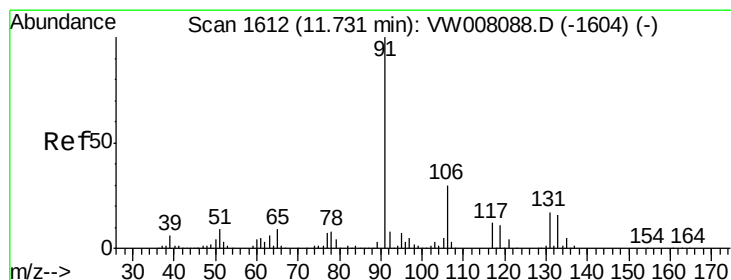
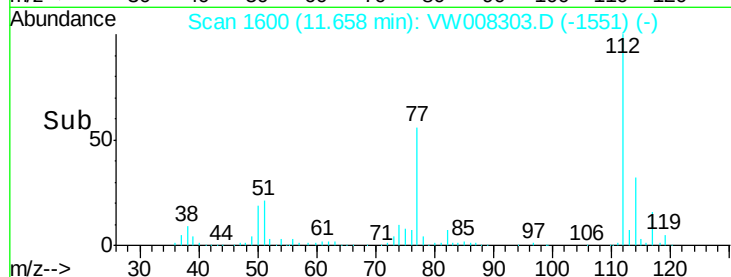
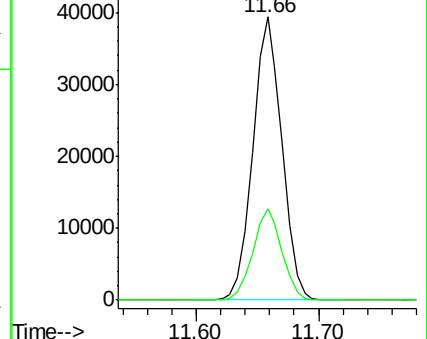
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.412 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

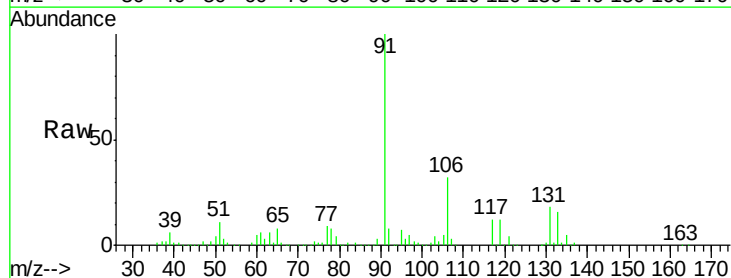
Tgt Ion:131 Resp: 22709

Ion Ratio Lower Upper

131 100

133 93.9 47.9 143.7

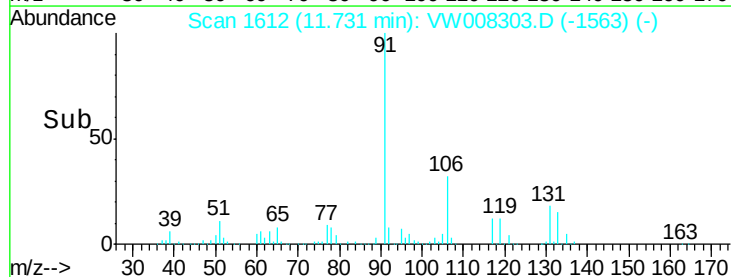
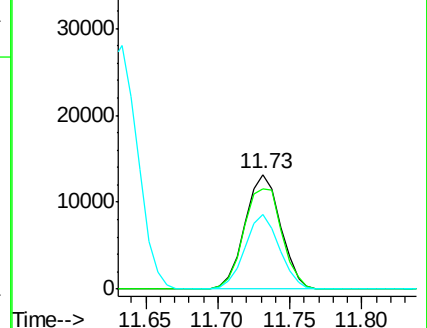
119 62.9 32.5 97.4

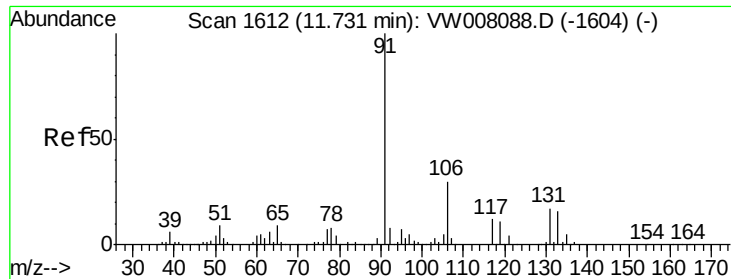


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





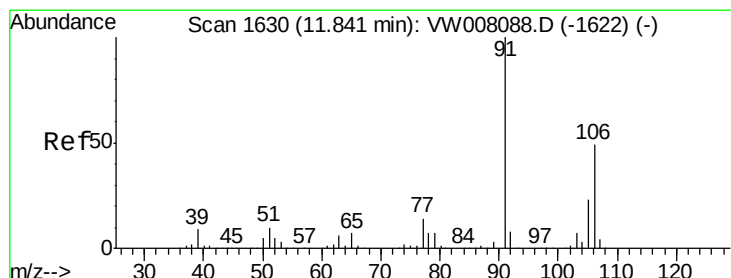
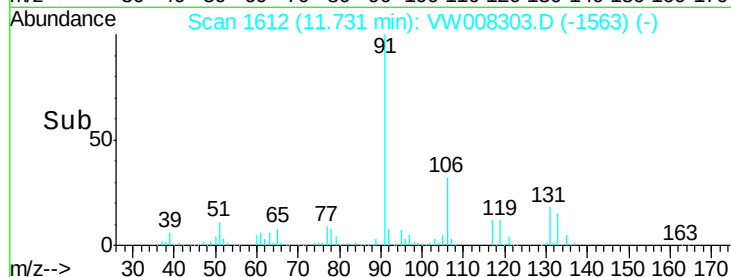
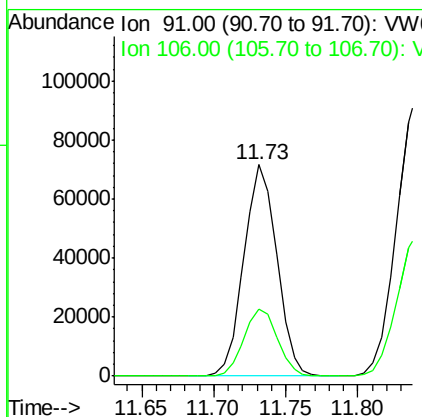
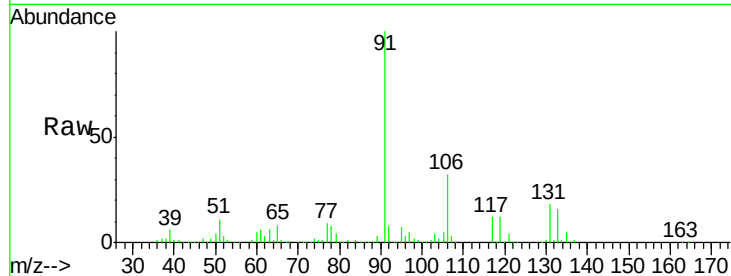
#67
Ethyl Benzene
Concen: 19.933 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion: 91 Resp: 113619
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.4

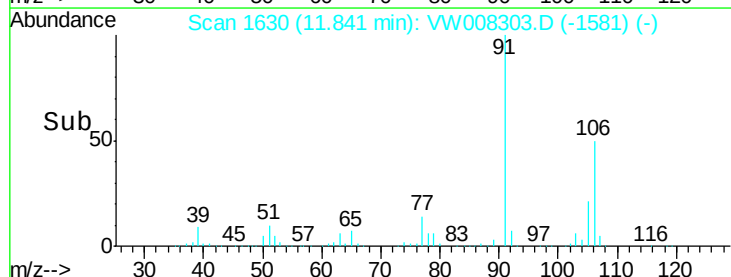
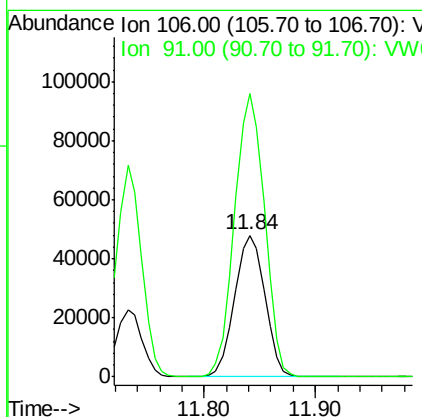
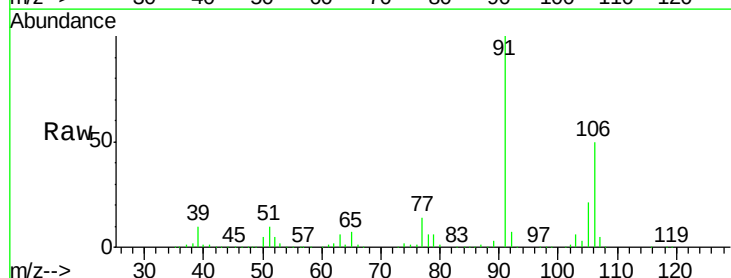
Manual Integrations
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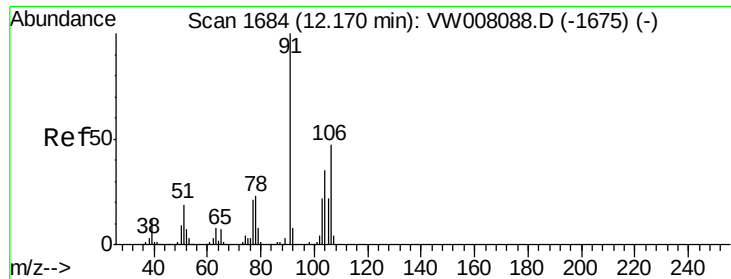
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#68
m/p-Xylenes
Concen: 41.680 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 106 Resp: 90683
Ion Ratio Lower Upper
106 100
91 198.0 162.4 243.6





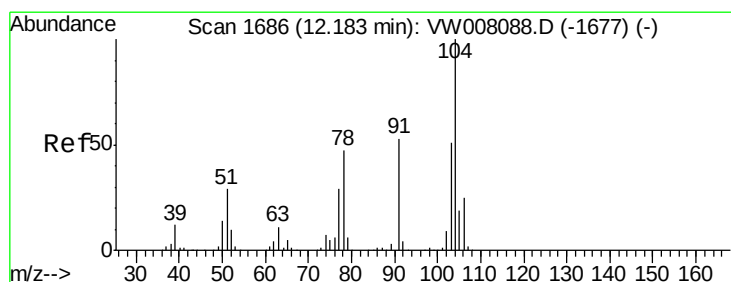
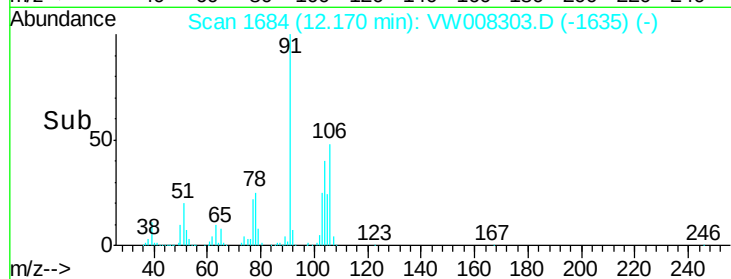
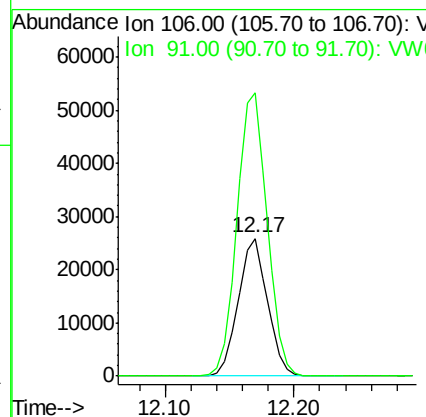
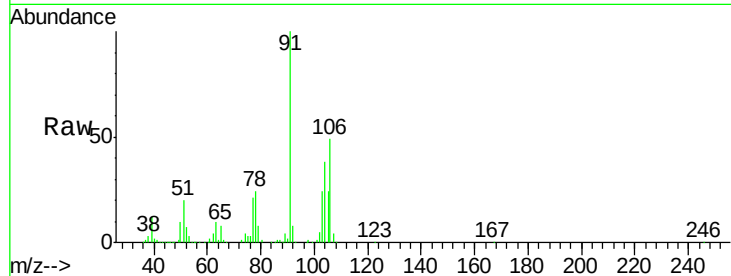
#69
o-Xylene
Concen: 20.276 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

Tot Ion:106 Resp: 40851
Ion Ratio Lower Upper
106 100
91 212.0 107.8 323.6

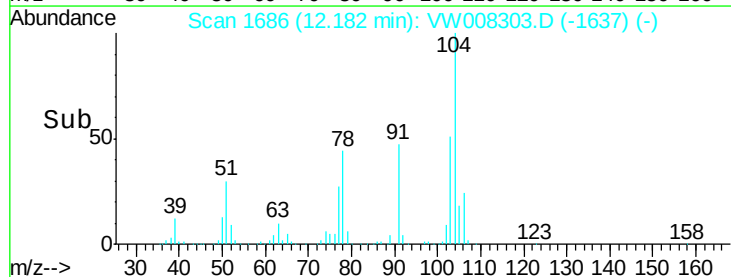
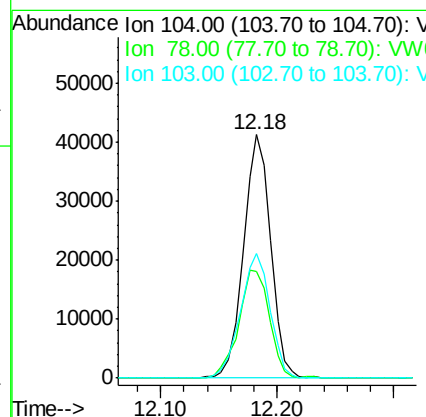
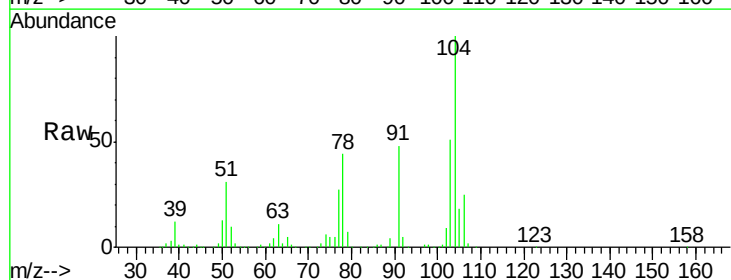
Manual Integrations
APPROVED

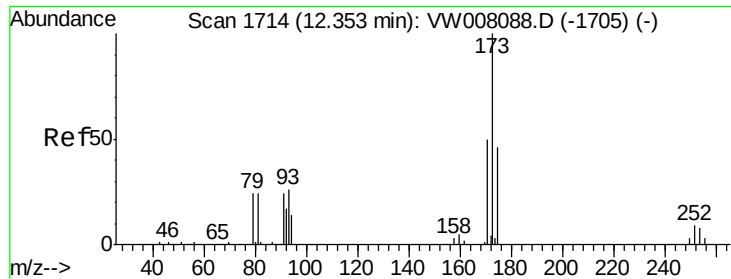
MMDadoda
1/17/2019 11:33:34 AM



#70
Styrene
Concen: 21.267 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion:104 Resp: 67113
Ion Ratio Lower Upper
104 100
78 50.5 41.8 62.8
103 56.2 43.8 65.8





#71

Bromoform

Concen: 24.742 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

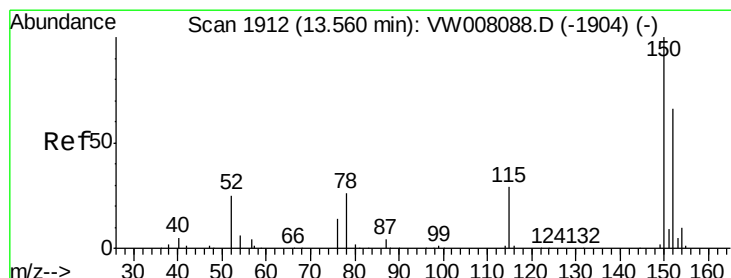
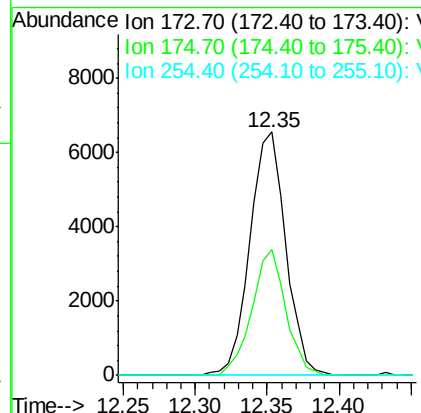
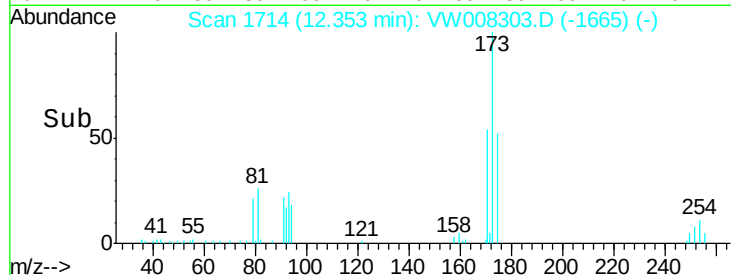
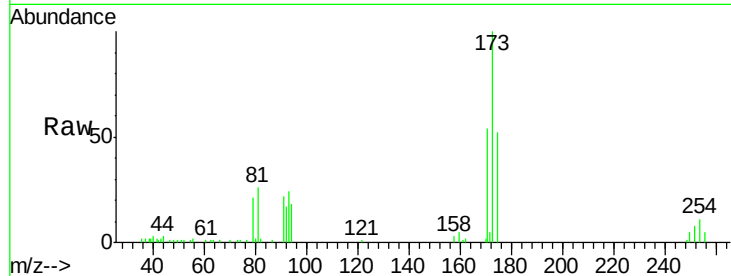
ClientSampleId :

VW0116SBSD01

Tot Ion:	173	Resp:	11220
Ion Ratio	Lower	Upper	
173	100		
175	48.9	23.3	69.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

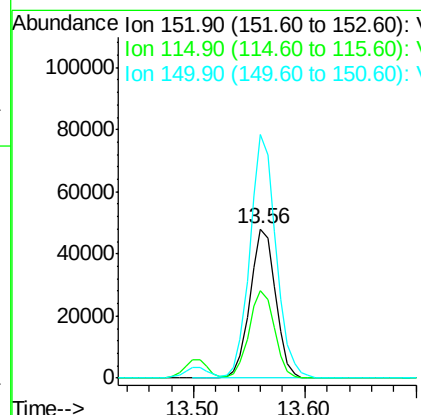
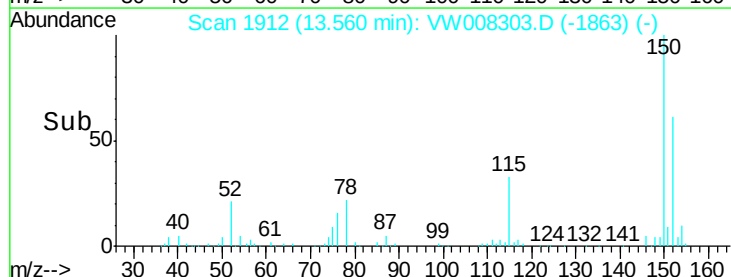
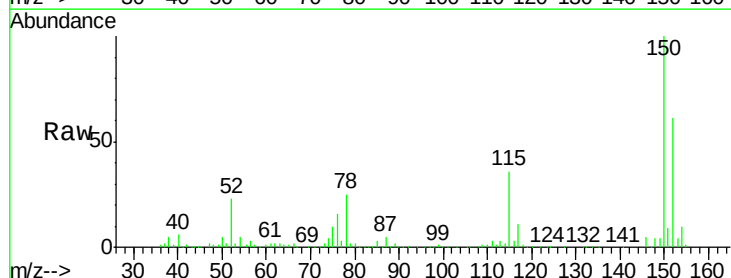
RT: 13.56 min Scan# 1912

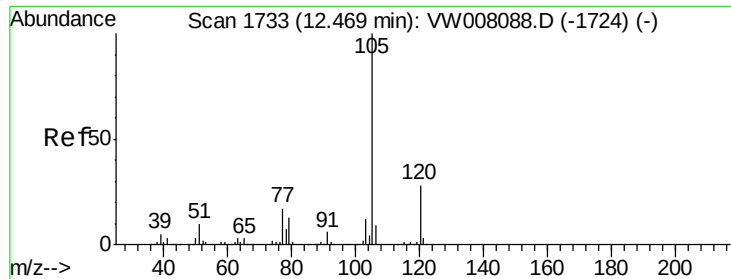
Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion:	152	Resp:	76552
Ion Ratio	Lower	Upper	
152	100		
115	58.3	30.8	92.4
150	166.2	0.0	350.2





#73

Isopropylbenzene

Concen: 18.767 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion:105 Resp: 112793

Ion Ratio Lower Upper

105 100

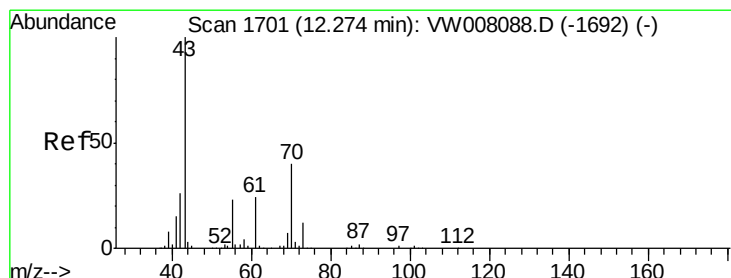
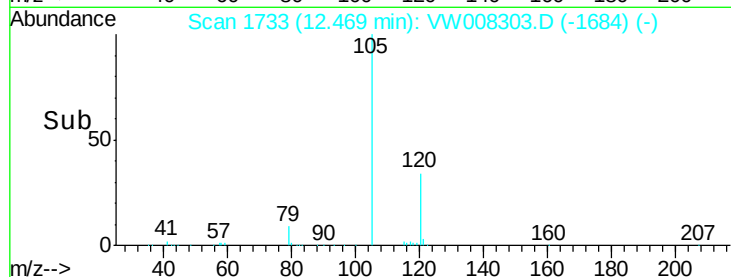
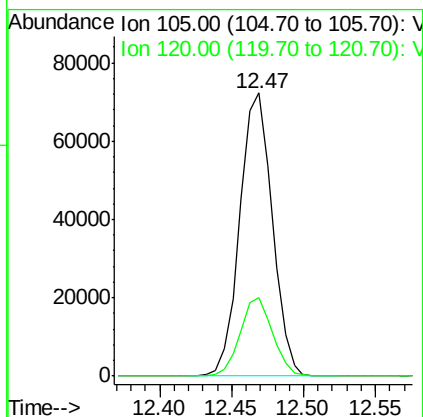
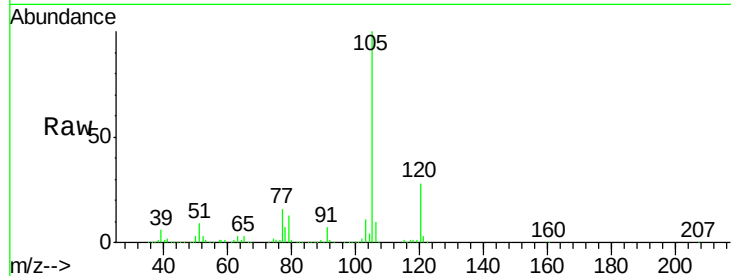
120 27.8 13.6 40.8

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#74

N-ethyl acetate

Concen: 19.836 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion: 43 Resp: 26401

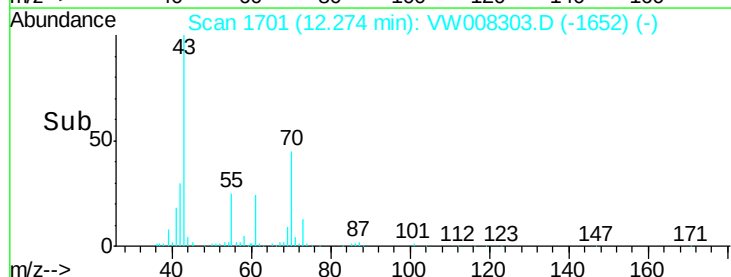
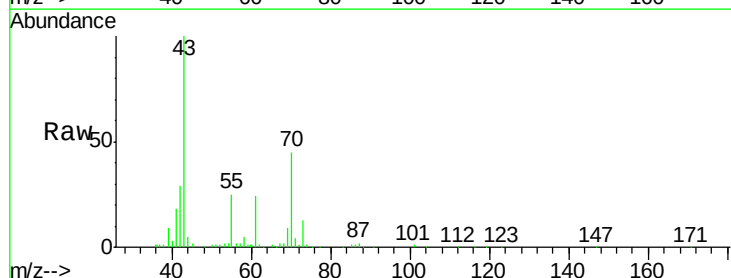
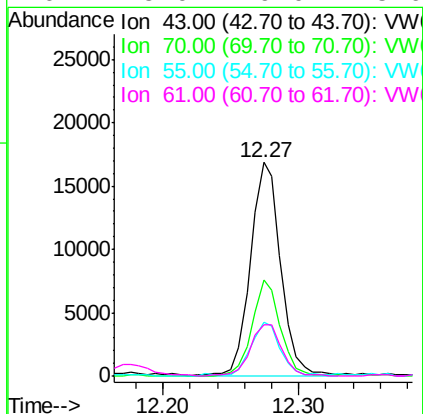
Ion Ratio Lower Upper

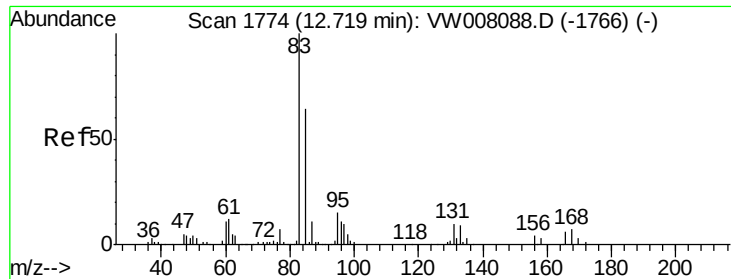
43 100

70 42.1 32.4 48.6

55 23.4 18.7 28.1

61 25.0 19.0 28.6





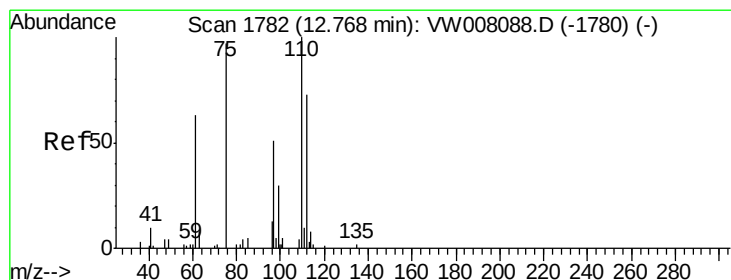
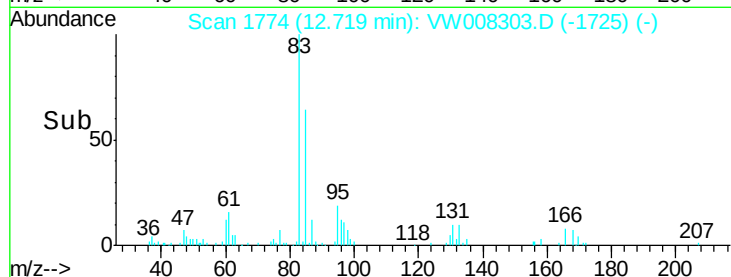
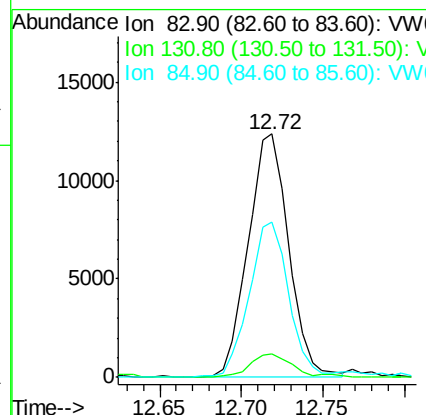
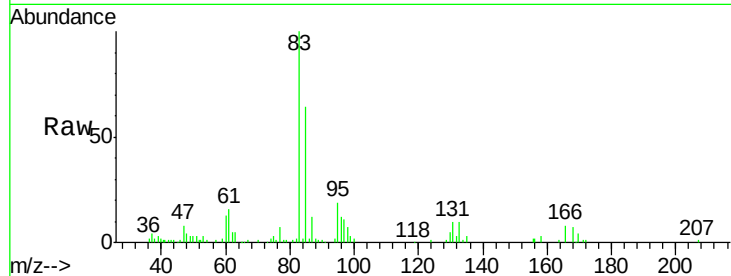
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.287 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Tot Ion	83	Resp	21440
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.3	16.1
85	62.1	32.4	97.2

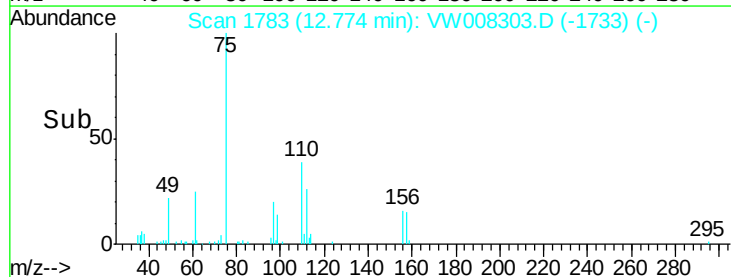
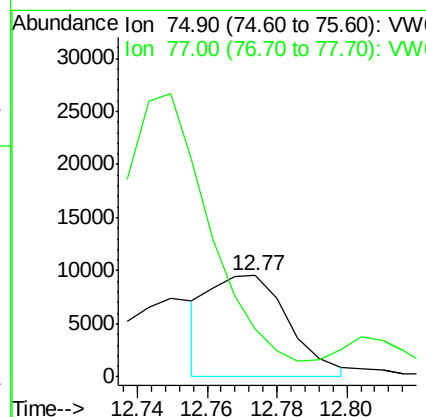
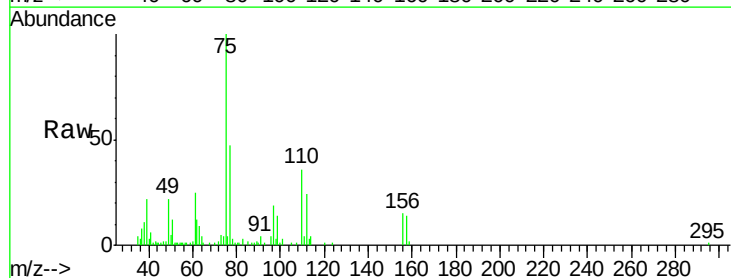
Manual Integrations
 APPROVED

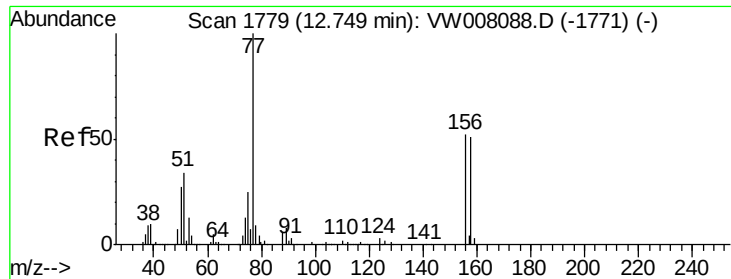
MMDadoda
 1/17/2019 11:33:34 AM



#76
 1,2,3-Trichloropropane
 Concen: 21.517 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion	75	Resp	15016
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	179.4	538.2#





#77

Bromobenzene

Concen: 20.616 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion:156 Resp: 26181

Ion Ratio Lower Upper

156 100

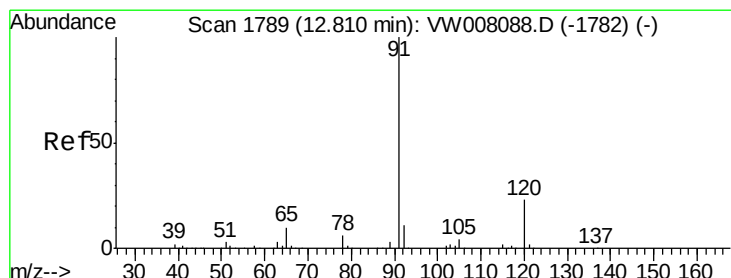
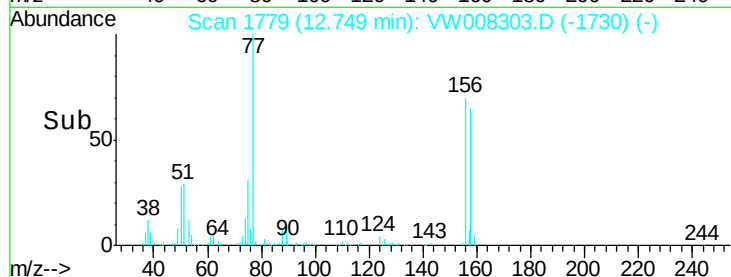
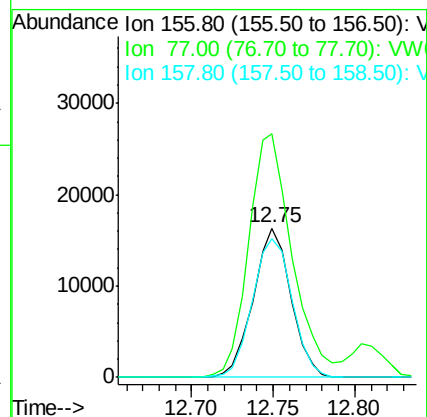
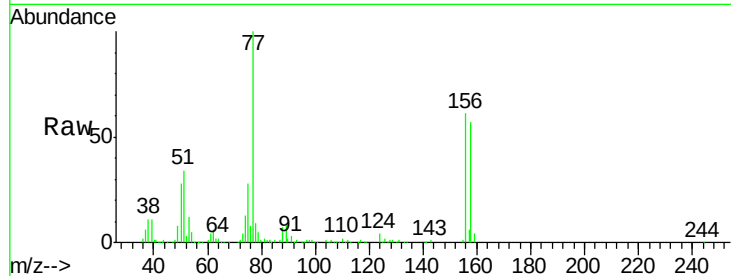
77 187.4 104.2 312.5

158 98.6 47.9 143.6

Manual Integrations
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1/17/2019 11:33:34 AM



#78

n-propylbenzene

Concen: 19.071 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008303.D

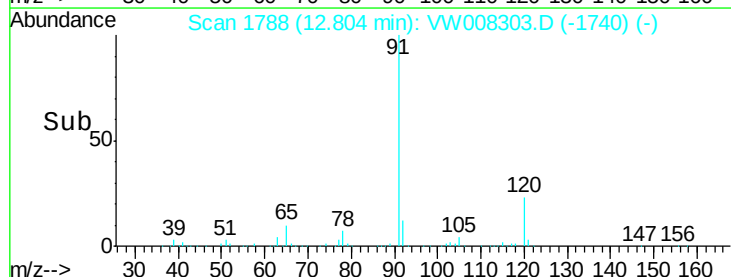
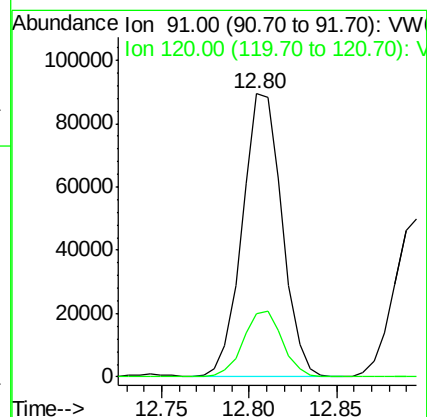
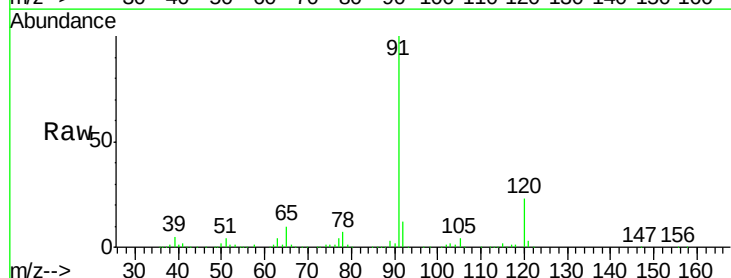
Acq: 16 Jan 2019 12:54

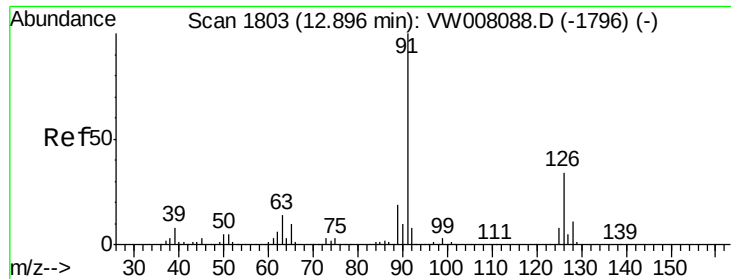
Tgt Ion: 91 Resp: 140440

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.8





#79

2-Chlorotoluene

Concen: 19.410 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

Tot Ion: 91 Resp: 79745

Ion Ratio Lower Upper

91 100

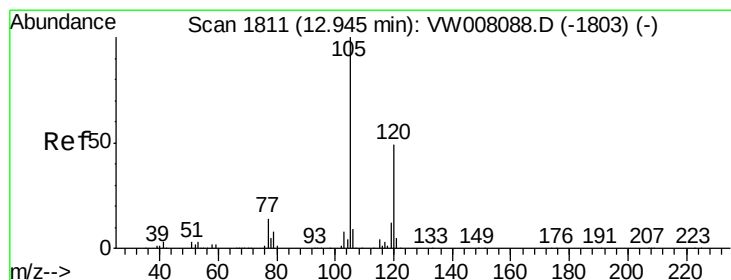
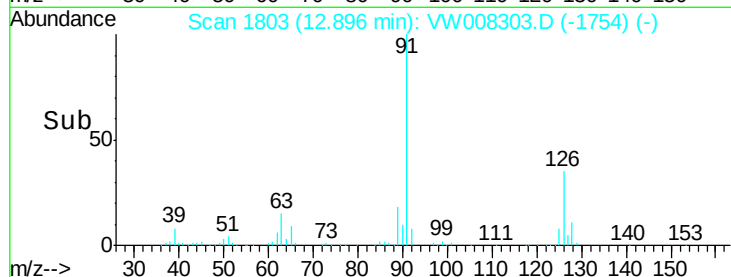
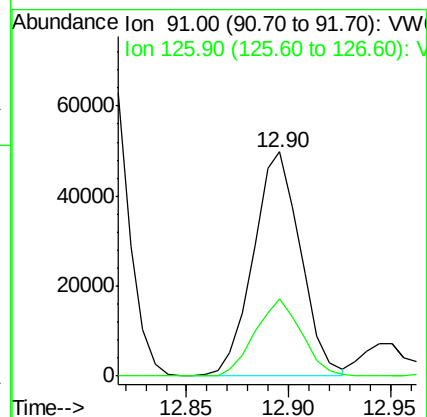
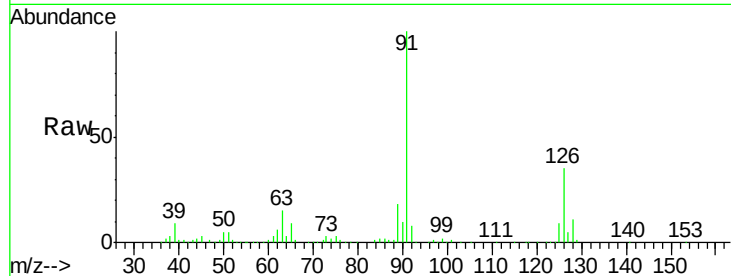
126 34.2 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.024 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008303.D

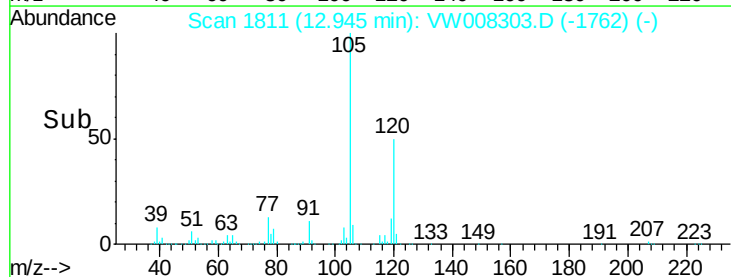
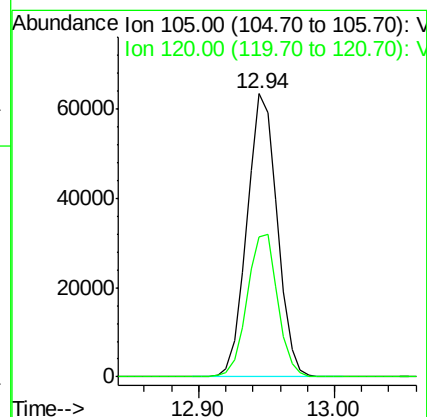
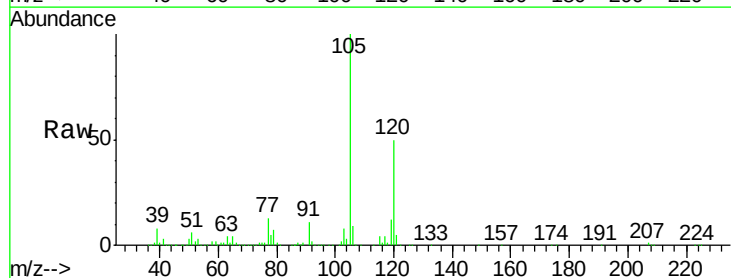
Acq: 16 Jan 2019 12:54

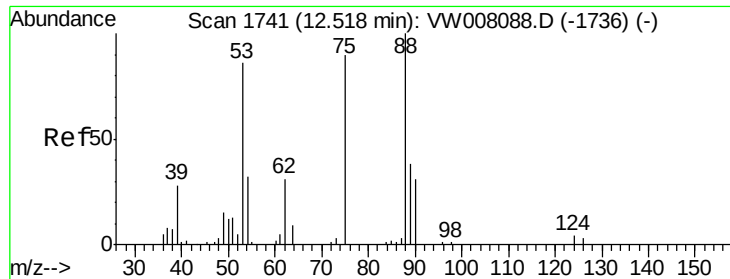
Tgt Ion:105 Resp: 98894

Ion Ratio Lower Upper

105 100

120 50.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.636 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

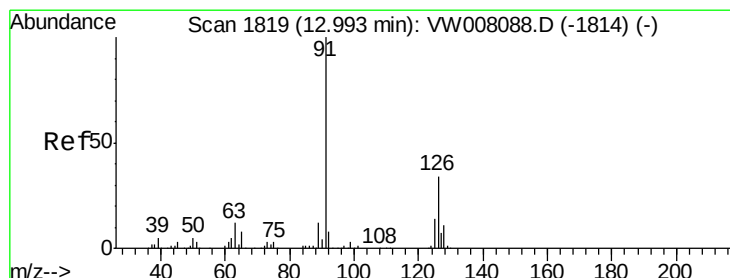
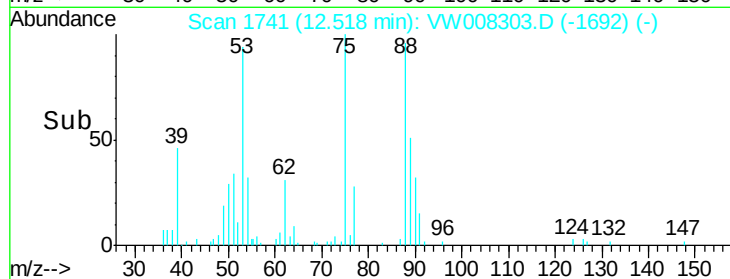
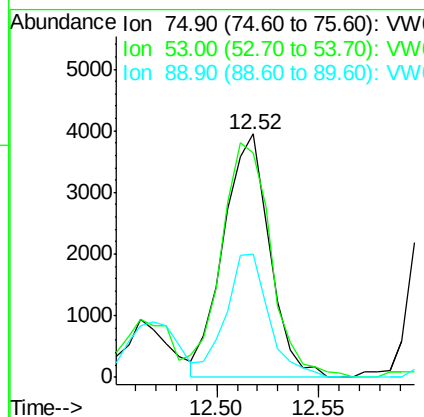
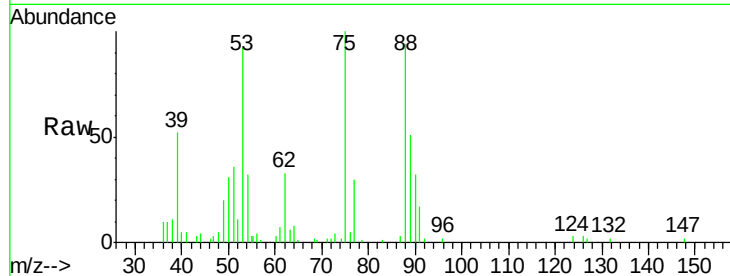
ClientSampleId :

VW0116SBSD01

Tot Ion:	75	Resp:	6184
Ion	Ratio	Lower	Upper
75	100		
53	104.7	78.8	118.2
89	47.6	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.461 ug/l

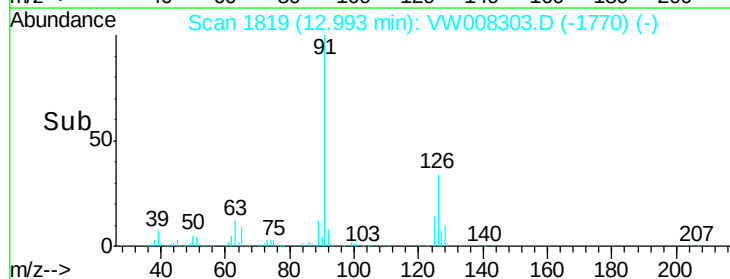
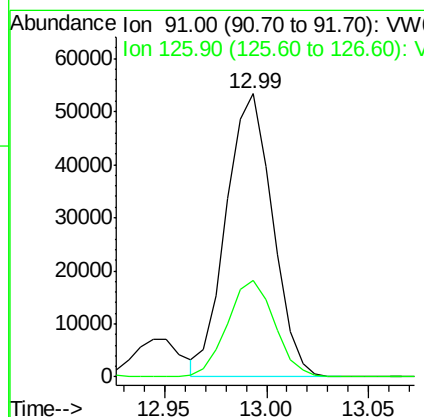
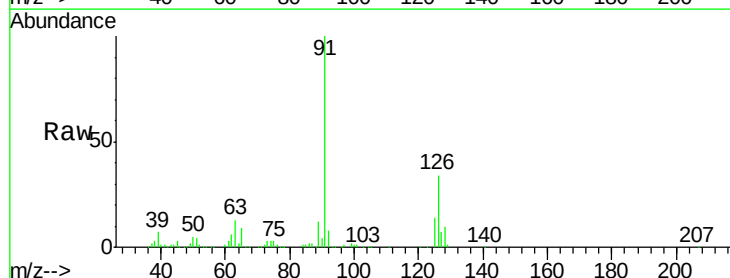
RT: 12.99 min Scan# 1819

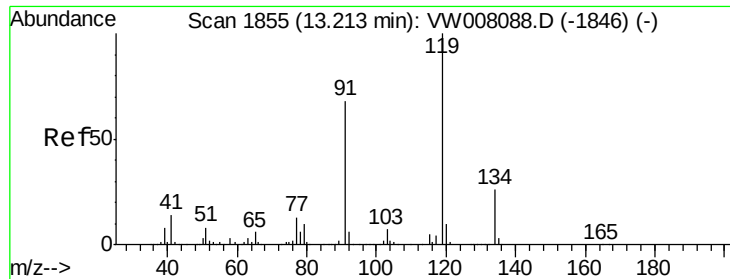
Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion:	91	Resp:	84210
Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.5	49.5





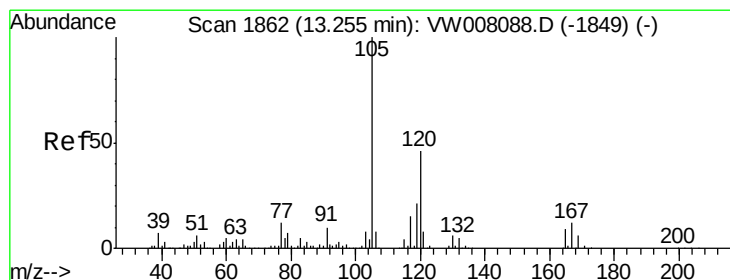
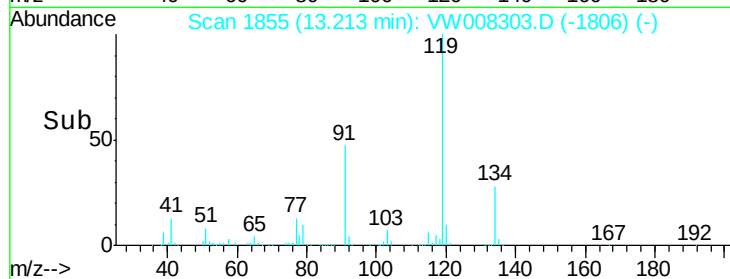
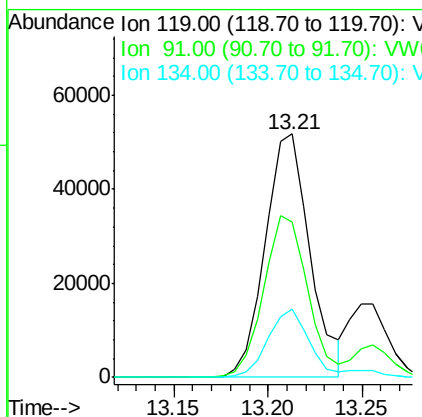
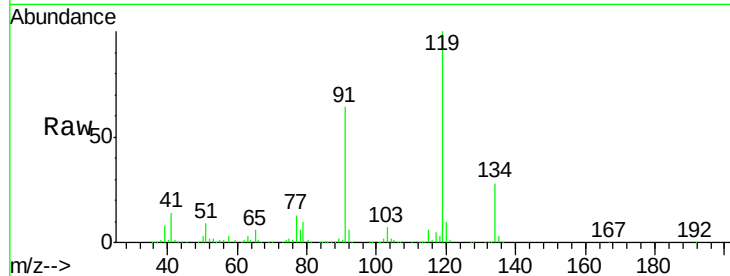
#83
 tert-Butylbenzene
 Concen: 19.555 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampled :
 VW0116SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	33.9	101.6
134	25.7	13.6	40.8

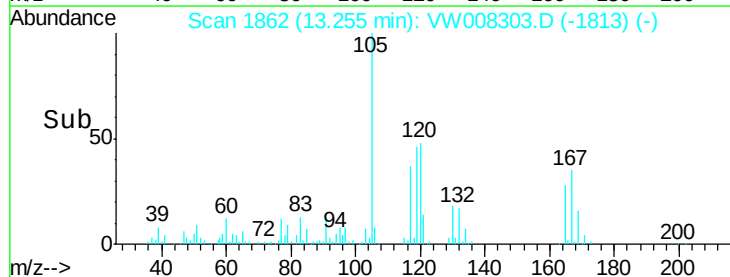
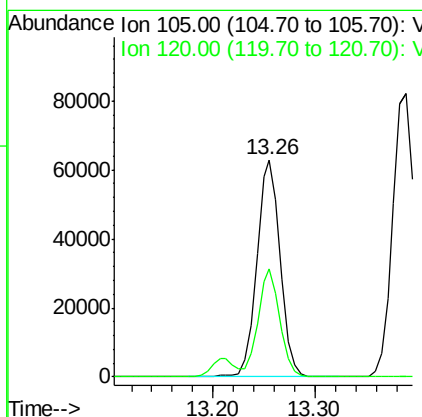
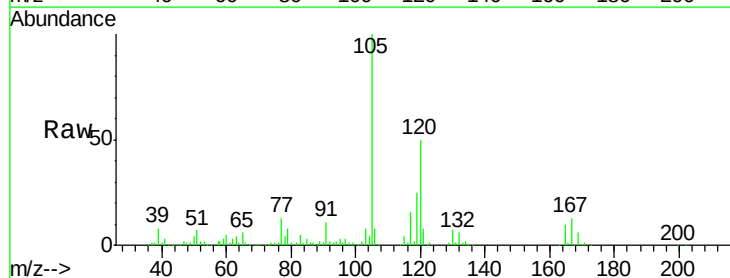
Manual Integrations
 APPROVED

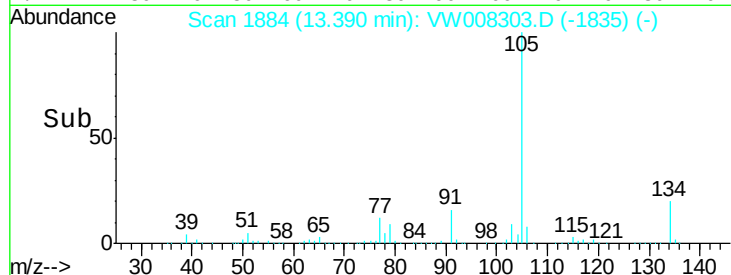
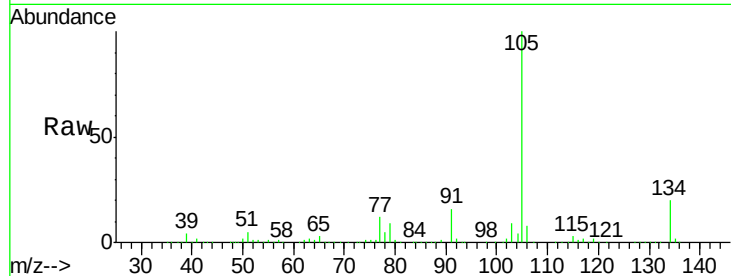
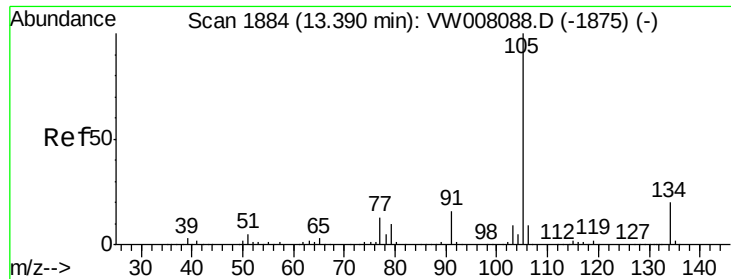
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 1/17/2019 11:33:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.644 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.7	68.1





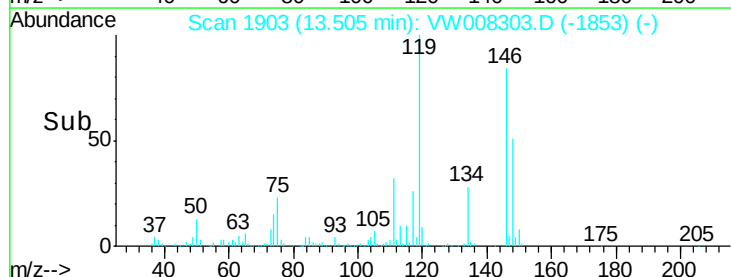
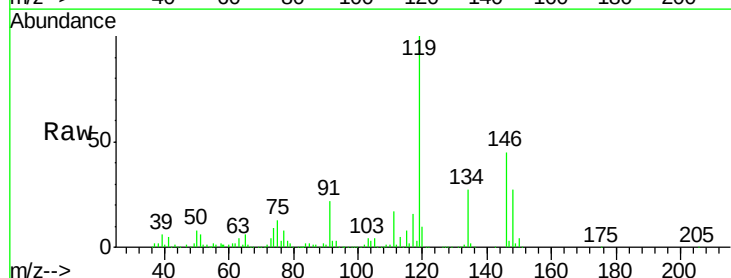
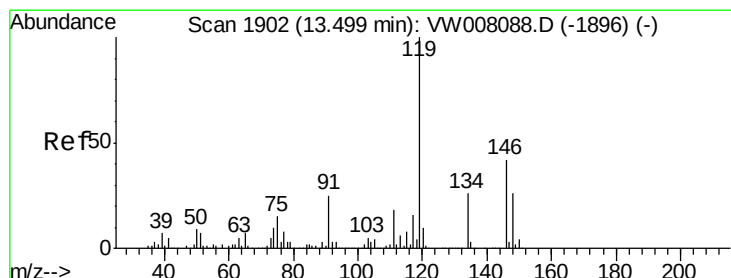
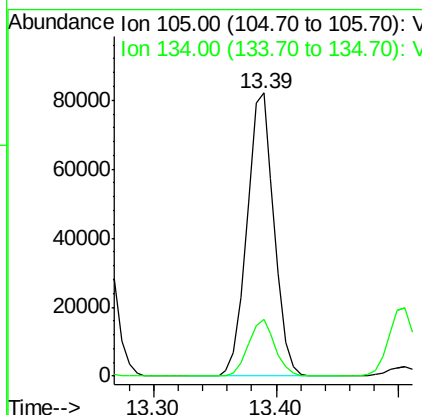
#85
 sec-Butylbenzene
 Concen: 19.645 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tot Ion:105 Resp: 125738
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.1 30.1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

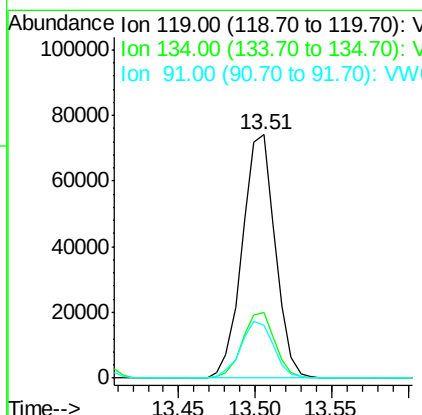
Manual Integrations
 APPROVED

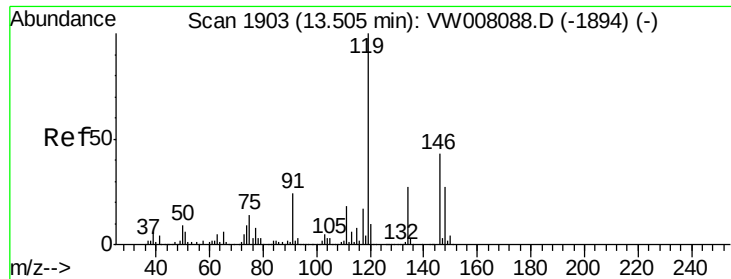
MMDadoda
 1/17/2019 11:33:34 AM



#86
 p-Isopropyltoluene
 Concen: 19.983 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion:119 Resp: 110448
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.8
 91 23.7 12.3 36.9





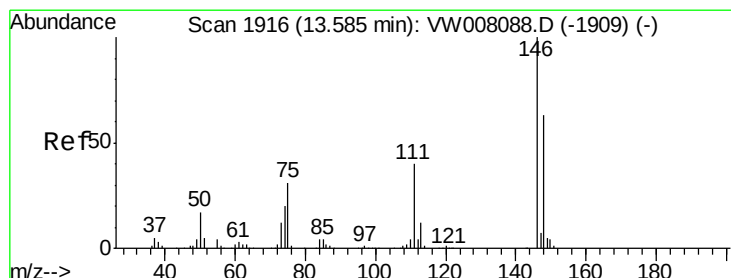
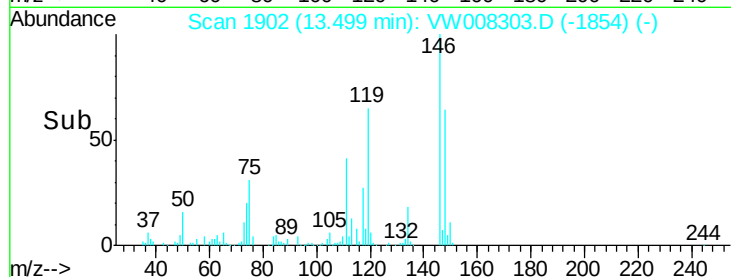
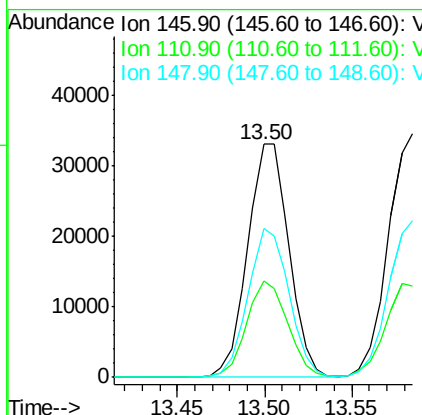
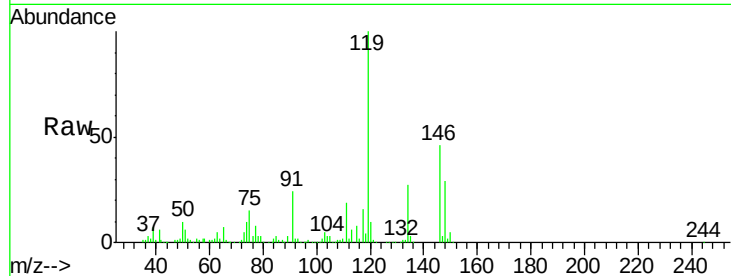
#87
 1,3-Dichlorobenzene
 Concen: 21.113 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.1
148	63.2	31.3	93.9

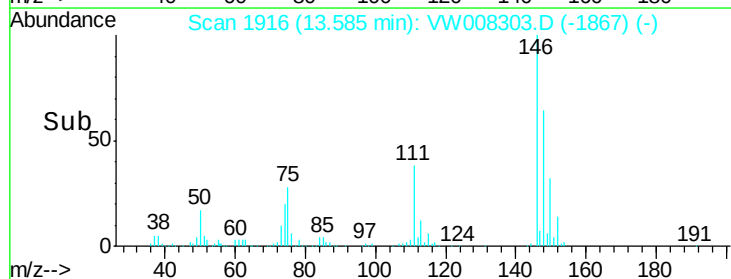
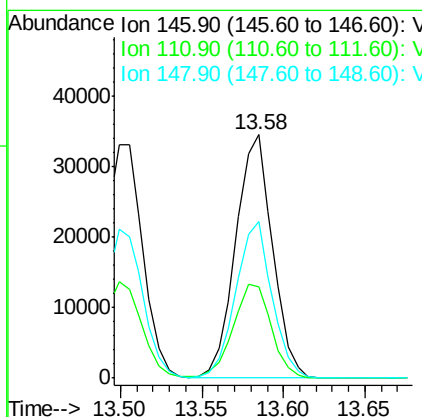
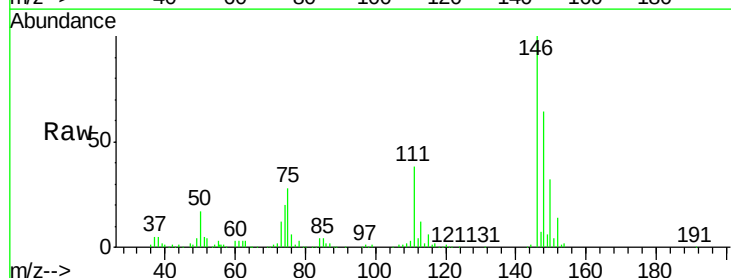
Manual Integrations
 APPROVED

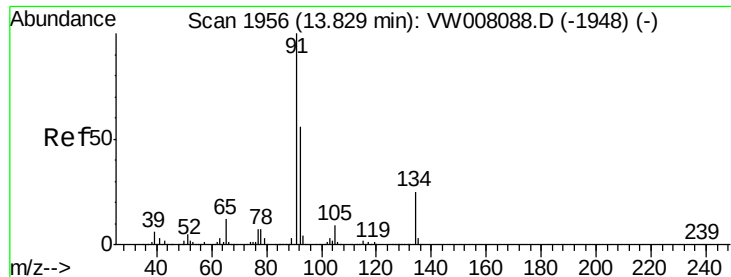
MMDadoda
 1/17/2019 11:33:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.077 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.5
148	63.2	31.6	94.8





#89

n-Butylbenzene

Concen: 19.514 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

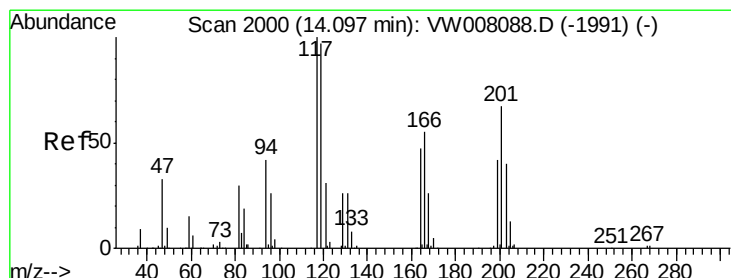
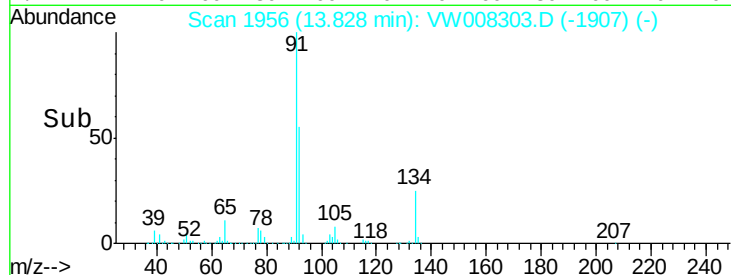
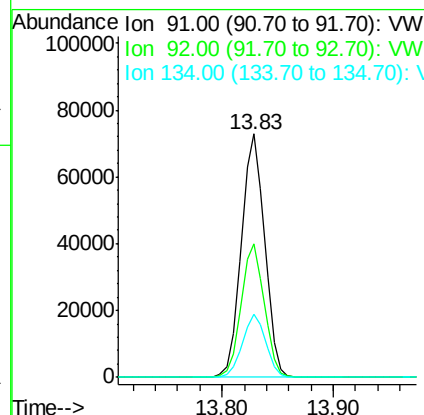
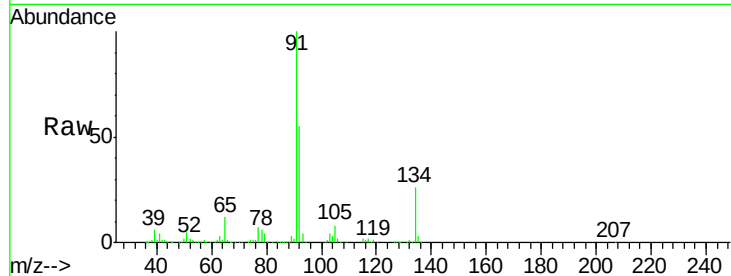
ClientSampleId :

VW0116SBSD01

Tot Ion:	91	Resp:	105632
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.4	82.2
134	25.8	12.6	37.8

Manual Integrations
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#90

Hexachloroethane

Concen: 21.004 ug/l

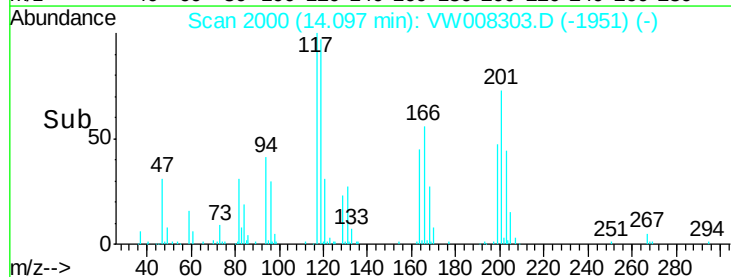
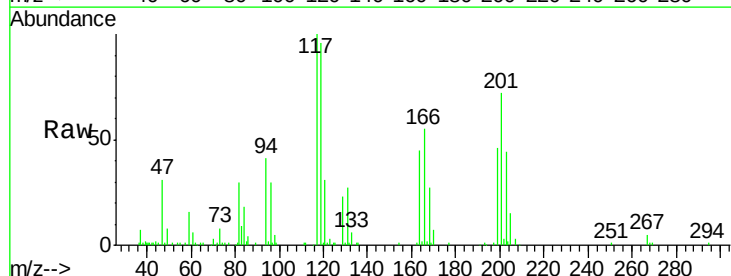
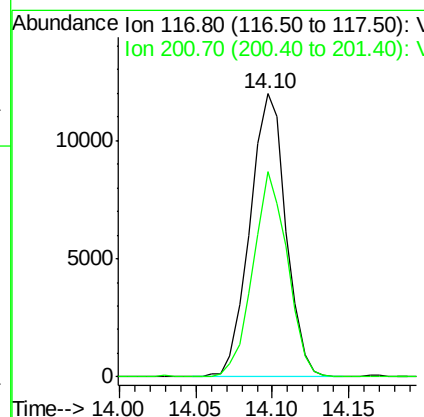
RT: 14.10 min Scan# 2000

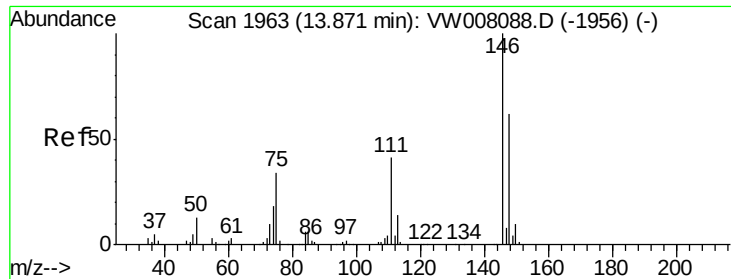
Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion:	117	Resp:	19608
Ion	Ratio	Lower	Upper
117	100		
201	69.5	33.0	98.9





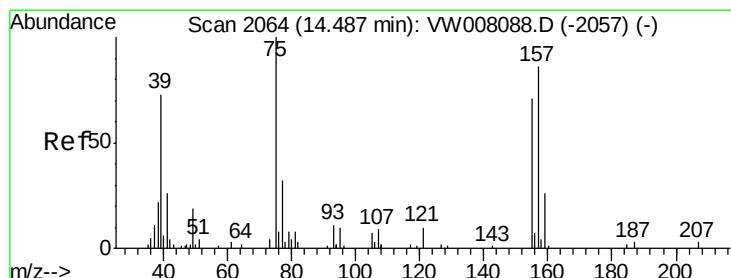
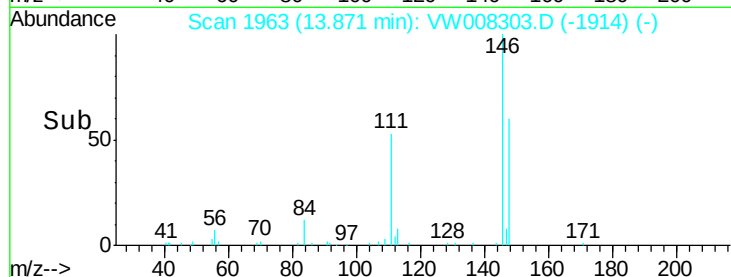
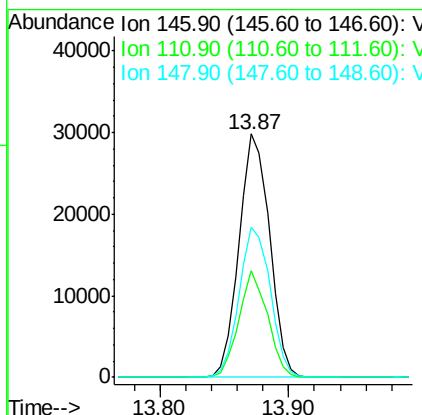
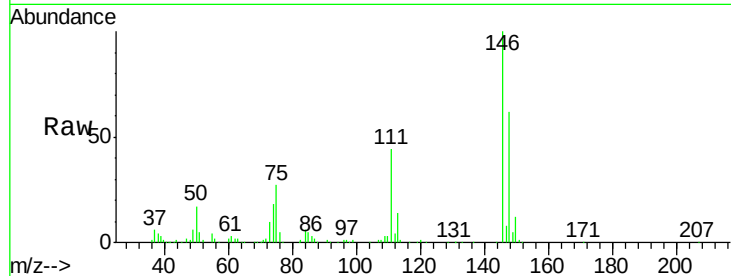
#91
 1,2-Dichlorobenzene
 Concen: 21.658 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.7
148	62.8	31.5	94.5

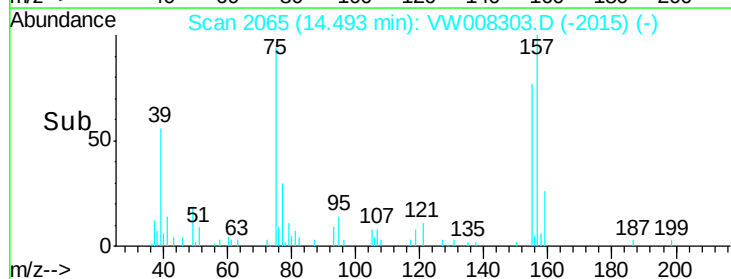
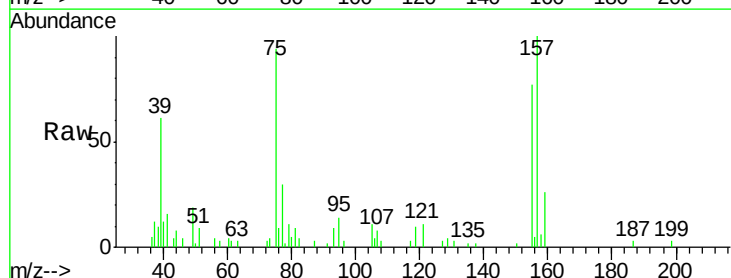
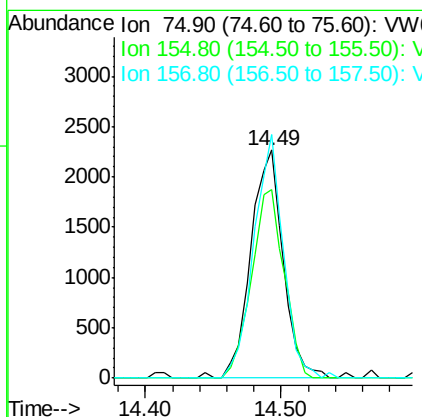
Manual Integrations
 APPROVED

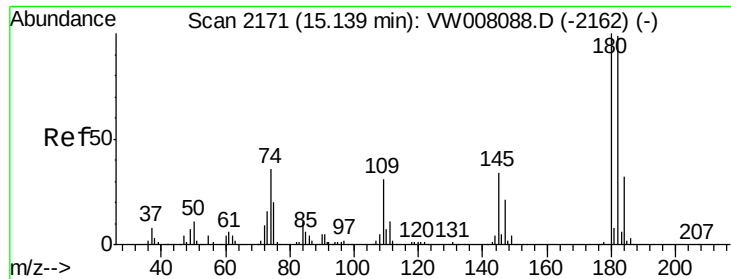
MMDadoda
 1/17/2019 11:33:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.455 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	38.6	115.7
157	97.9	47.5	142.6





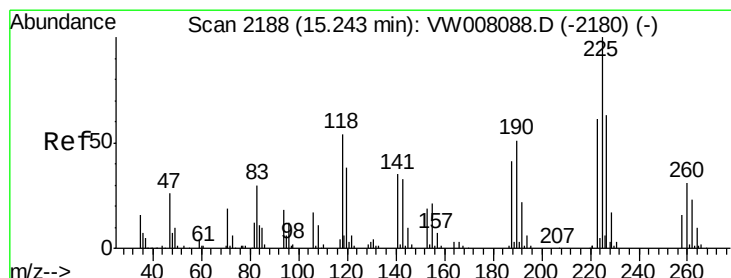
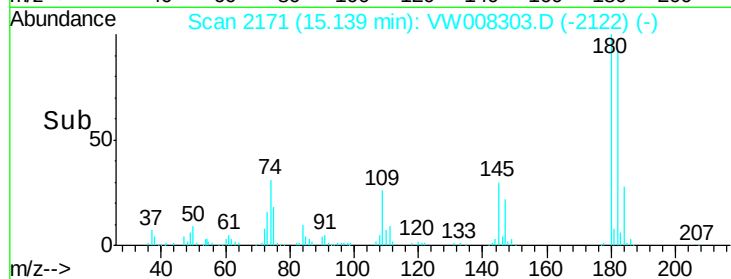
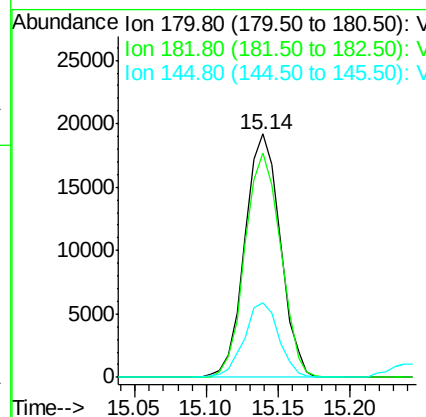
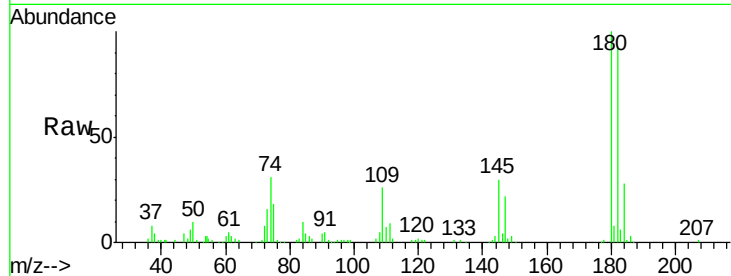
#93
 1,2,4-Trichlorobenzene
 Concen: 21.706 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.6	145.9
145	30.0	16.6	49.7

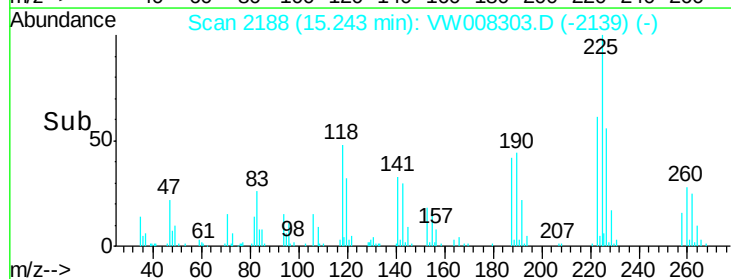
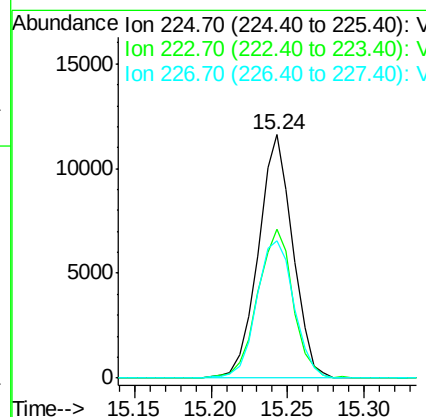
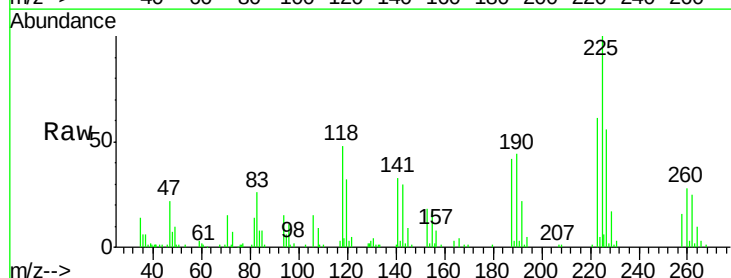
Manual Integrations
 APPROVED

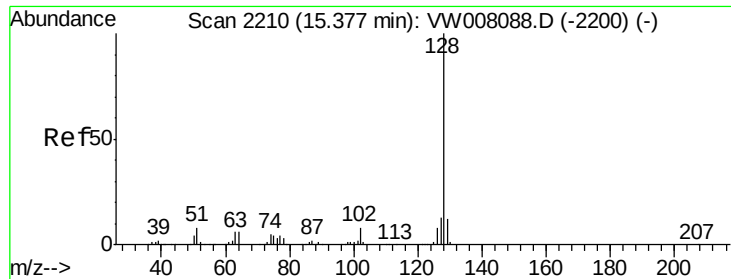
MMDadoda
 1/17/2019 11:33:34 AM



#94
 Hexachlorobutadiene
 Concen: 22.646 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.3
227	61.0	32.0	96.2





#95

Naphthalene

Concen: 20.407 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

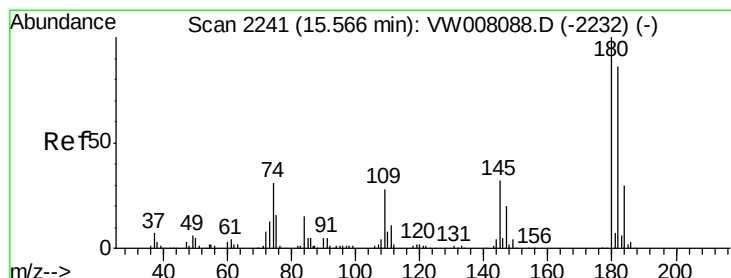
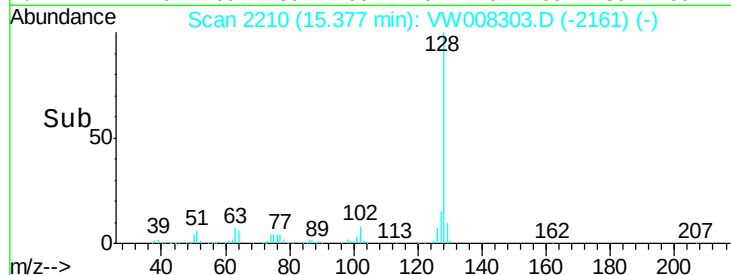
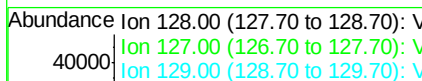
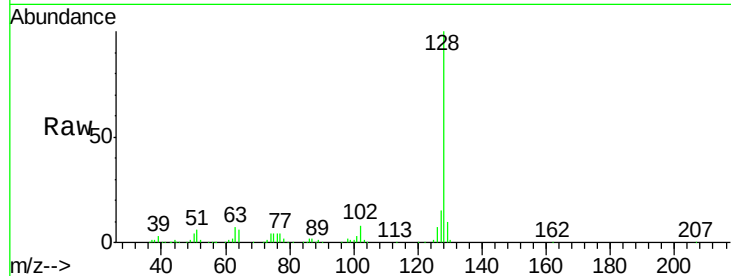
ClientSampleId :

VW0116SBSD01

Tot Ion:	128	Resp:	57273
Ion	Ratio	Lower	Upper
128	100		
127	14.7	11.0	16.4
129	10.9	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/17/2019 11:33:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.403 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion:	180	Resp:	27424
Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.5	139.3
145	33.1	17.4	52.2

