

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008702.D
 Acq On : 16 Feb 2019 00:49
 Operator : SY/VA
 Sample : VW0215SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 2:34:48 PM

Quant Time: Feb 16 03:20:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	308670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	469305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	246429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	169020	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.88	113	151382	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.32	98	553700	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.62	95	208512	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35752	18.084	ug/l	97
3) Chloromethane	2.21	50	51172	17.955	ug/l	98
4) Vinyl Chloride	2.37	62	63552	16.976	ug/l	100
5) Bromomethane	2.78	94	59647	20.135	ug/l	100
6) Chloroethane	2.92	64	54535	19.577	ug/l	98
7) Trichlorofluoromethane	3.25	101	42105	14.440	ug/l	98
8) Diethyl Ether	3.68	74	39021	22.426	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	58695	19.048	ug/l	97
10) Methyl Iodide	4.26	142	102668	21.348	ug/l	98
11) Tert butyl alcohol	5.17	59	28103	109.455	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	55931	18.561	ug/l	87
13) Acrolein	3.89	56	25013	94.556	ug/l	96
14) Allyl chloride	4.66	41	98590	19.692	ug/l	100
15) Acrylonitrile	5.37	53	83696	114.279	ug/l	100
16) Acetone	4.12	43	69994	95.851	ug/l	100
17) Carbon Disulfide	4.38	76	164410	18.079	ug/l	100
18) Methyl Acetate	4.66	43	36279	21.741	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	118357	22.374	ug/l	94
20) Methylene Chloride	4.91	84	75967	19.147	ug/l	89
21) trans-1,2-Dichloroethene	5.41	96	67997	20.604	ug/l	97
22) Diisopropyl ether	6.31	45	219857	21.819	ug/l	98
23) Vinyl Acetate	6.25	43	673583	102.995	ug/l	99
24) 1,1-Dichloroethane	6.21	63	123722	21.278	ug/l	98
25) 2-Butanone	7.17	43	109936	106.616	ug/l	99
26) 2,2-Dichloropropane	7.16	77	63866	17.582	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	74938	21.000	ug/l	97
28) Bromochloromethane	7.51	49	53971	21.988	ug/l	96
29) Tetrahydrofuran	7.52	42	75697	111.378	ug/l	99
30) Chloroform	7.67	83	127956	21.962	ug/l	96
31) Cyclohexane	7.95	56	104208	17.756	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	99616	20.245	ug/l	99
36) 1,1-Dichloropropene	8.07	75	93498	18.502	ug/l	99
37) Ethyl Acetate	7.25	43	51591	21.164	ug/l	100
38) Carbon Tetrachloride	8.06	117	90686	18.047	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107125	16.760	ug/l	95
40) Benzene	8.32	78	270763	19.618	ug/l	100
41) Methacrylonitrile	7.48	41	30498	22.236	ug/l	96
42) 1,2-Dichloroethane	8.40	62	90995	21.256	ug/l	98
43) Isopropyl Acetate	8.42	43	97079	19.972	ug/l	96
44) Trichloroethene	9.09	130	74320	19.421	ug/l	95
45) 1,2-Dichloropropane	9.37	63	69892	20.462	ug/l	94
46) Dibromomethane	9.46	93	40420	21.482	ug/l	97
47) Bromodichloromethane	9.64	83	91505	20.236	ug/l	97
48) Methyl methacrylate	9.43	41	45108	20.024	ug/l	94
49) 1,4-Dioxane	9.45	88	13503	449.592	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	258501	103.526	ug/l	99
52) Toluene	10.38	92	174574	19.607	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	86514	18.212	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	102869	19.103	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	55793	21.611	ug/l	98
56) Ethyl methacrylate	10.65	69	70647	20.608	ug/l	98
57) 1,3-Dichloropropane	10.93	76	97693	21.327	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	191275	116.312	ug/l	100
59) 2-Hexanone	10.97	43	174875	99.694	ug/l	100
60) Dibromochloromethane	11.13	129	62090	20.100	ug/l	97
61) 1,2-Dibromoethane	11.23	107	53762	21.150	ug/l	98
64) Tetrachloroethene	10.86	164	70503	20.202	ug/l	96
65) Chlorobenzene	11.66	112	195352	19.313	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	68469	19.108	ug/l	98
67) Ethyl Benzene	11.73	91	331756	18.412	ug/l	97
68) m/p-Xylenes	11.84	106	256693	36.614	ug/l	100
69) o-Xylene	12.16	106	121642	18.356	ug/l	98
70) Styrene	12.18	104	202708	18.728	ug/l	99
71) Bromoform	12.35	173	36838	19.080	ug/l #	97
73) Isopropylbenzene	12.46	105	328806	17.913	ug/l	100
74) N-amyl acetate	12.27	43	92531	18.641	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	64612	20.231	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	47094m	19.353	ug/l	
77) Bromobenzene	12.75	156	83843	19.870	ug/l	97
78) n-propylbenzene	12.80	91	390098	17.886	ug/l	99
79) 2-Chlorotoluene	12.90	91	233104	18.911	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	280699	18.410	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	16486	16.705	ug/l	94
82) 4-Chlorotoluene	12.99	91	240072	18.378	ug/l	99
83) tert-Butylbenzene	13.21	119	241994	18.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	291116	18.577	ug/l	99
85) sec-Butylbenzene	13.38	105	341283	17.704	ug/l	100
86) p-Isopropyltoluene	13.50	119	308810	17.907	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	163687	19.136	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	163949	19.448	ug/l	98
89) n-Butylbenzene	13.83	91	276197	16.854	ug/l	99
90) Hexachloroethane	14.10	117	53299	17.690	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	148939	19.653	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10050	18.109	ug/l	92

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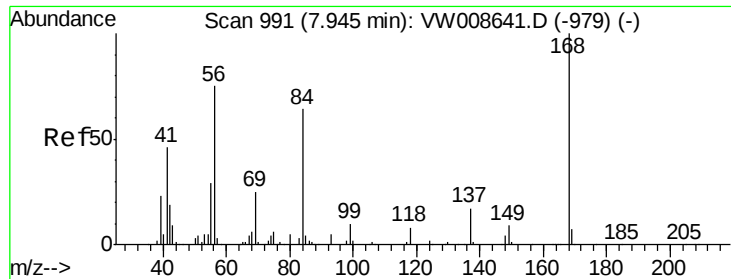
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	105387	19.535	ug/l	99
94) Hexachlorobutadiene	15.24	225	59664	19.000	ug/l	97
95) Naphthalene	15.37	128	196458	20.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	95659	20.664	ug/l	99

(#) = 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: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion:168 Resp: 308670

Ion Ratio Lower Upper

168 100

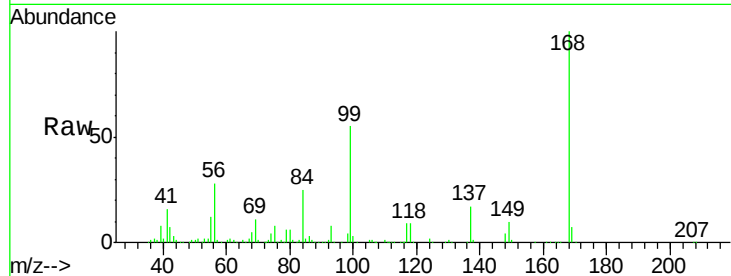
99 54.8 42.8 64.2

Manual Integrations

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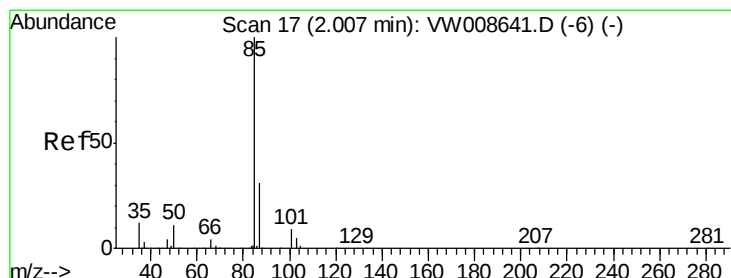
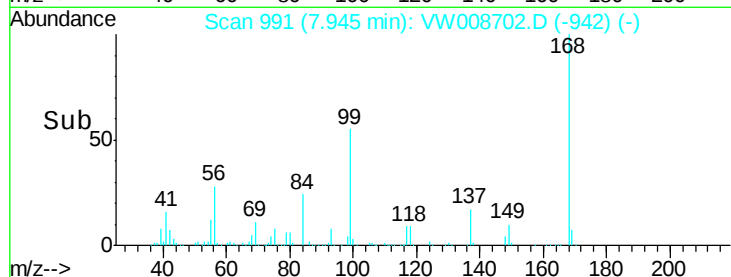
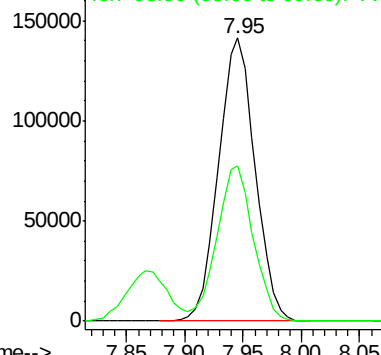
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.084 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008702.D

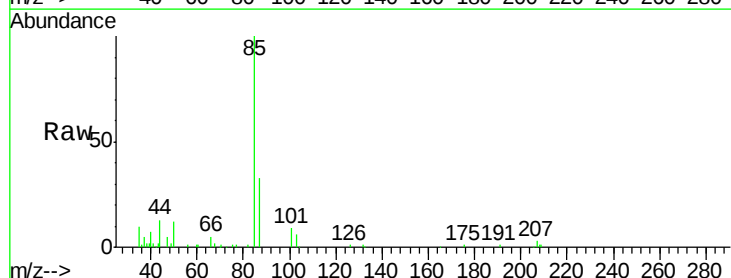
Acq: 16 Feb 2019 00:49

Tgt Ion: 85 Resp: 35752

Ion Ratio Lower Upper

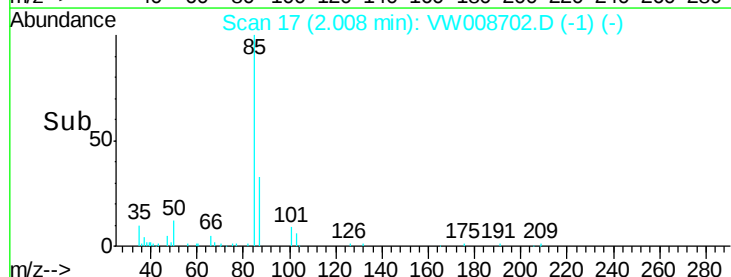
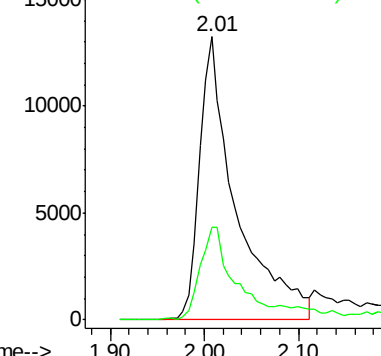
85 100

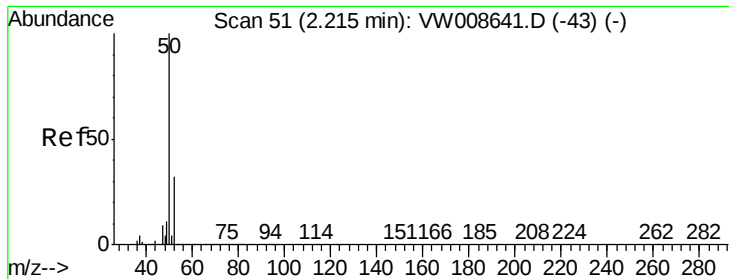
87 32.7 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.955 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 50 Resp: 51172

Ion Ratio Lower Upper

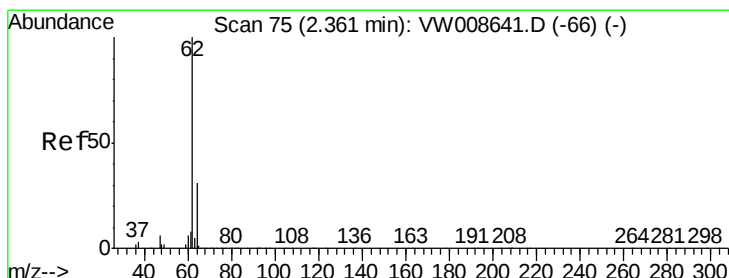
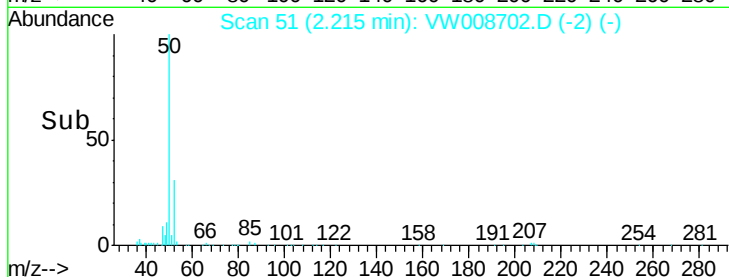
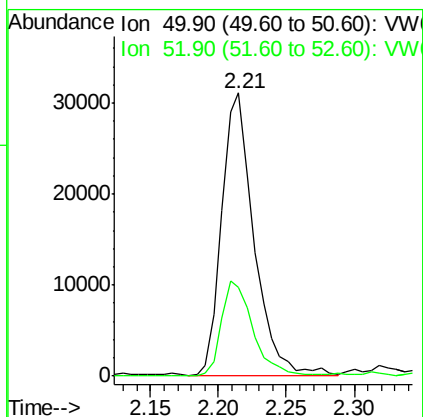
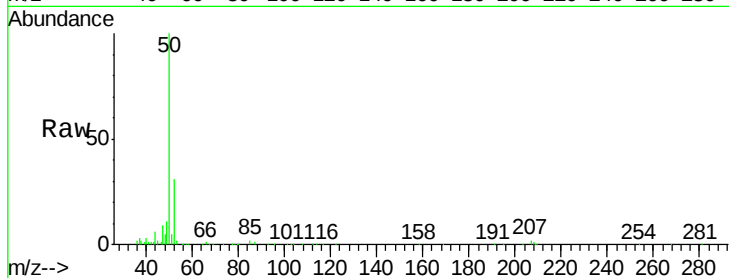
50 100

52 31.3 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.976 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008702.D

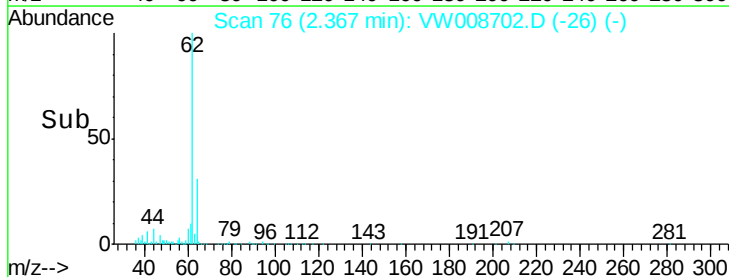
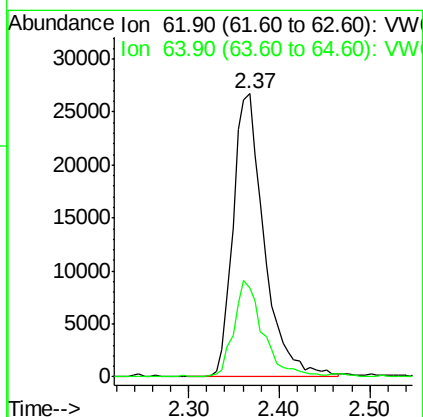
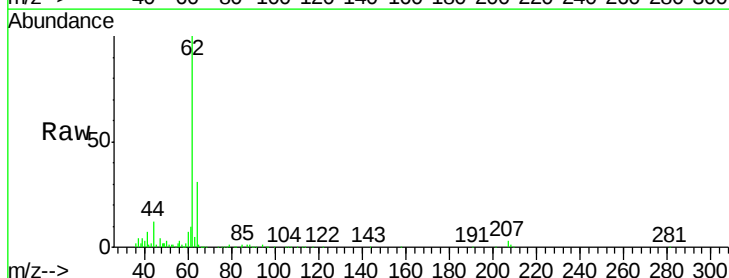
Acq: 16 Feb 2019 00:49

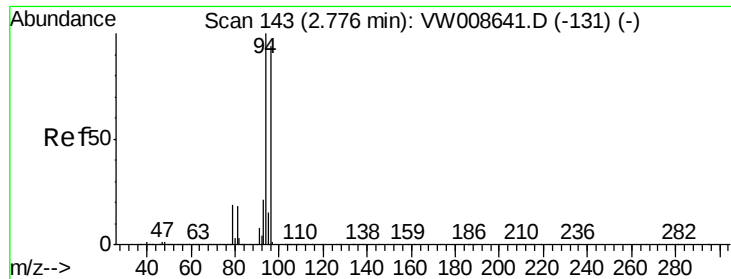
Tgt Ion: 62 Resp: 63552

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 20.135 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 94 Resp: 59647

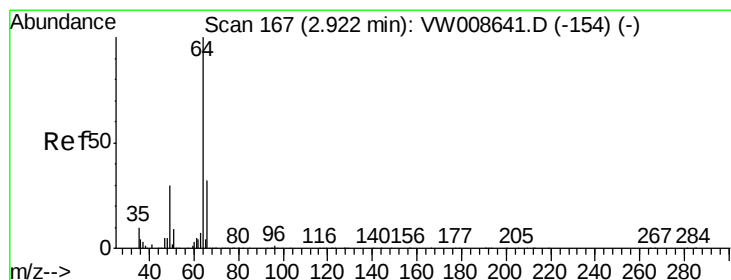
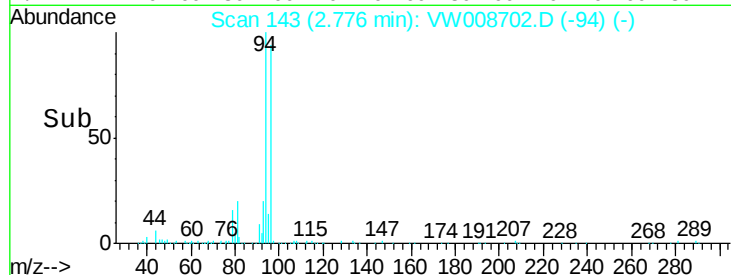
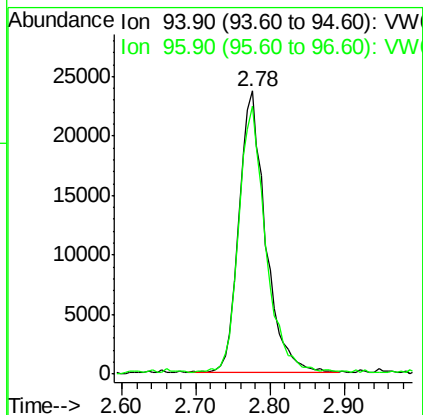
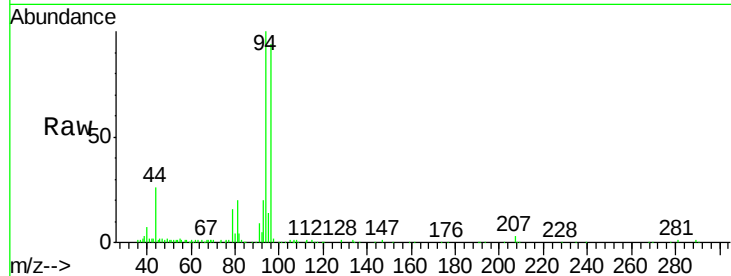
Ion Ratio Lower Upper

94 100

96 94.3 75.5 113.3

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#6

Chloroethane

Concen: 19.577 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008702.D

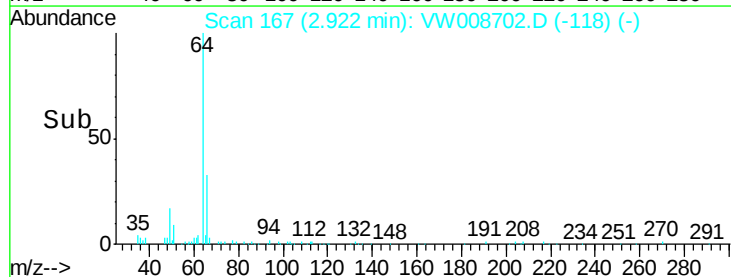
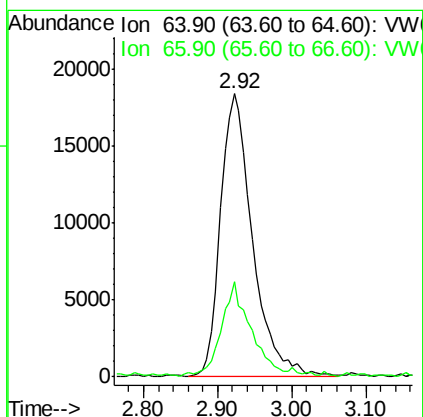
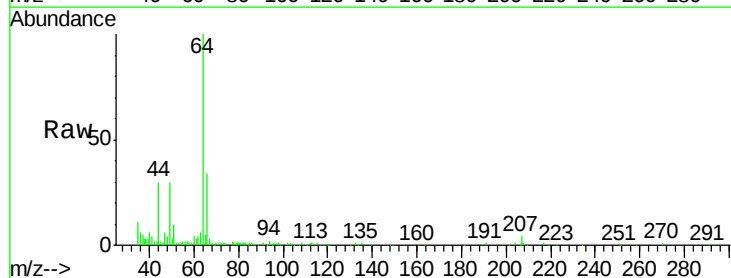
Acq: 16 Feb 2019 00:49

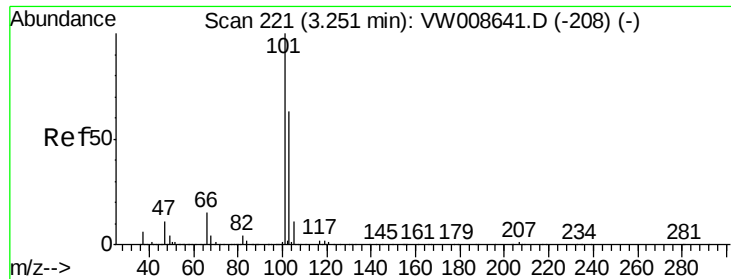
Tgt Ion: 64 Resp: 54535

Ion Ratio Lower Upper

64 100

66 33.9 26.2 39.4





#7

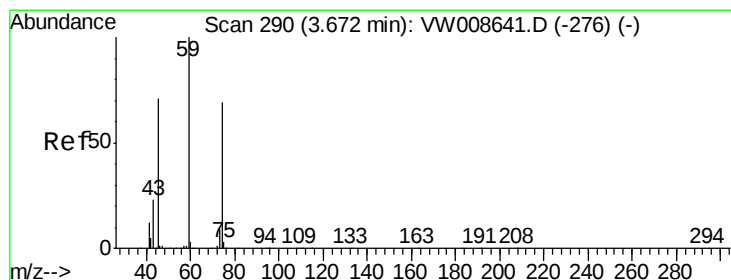
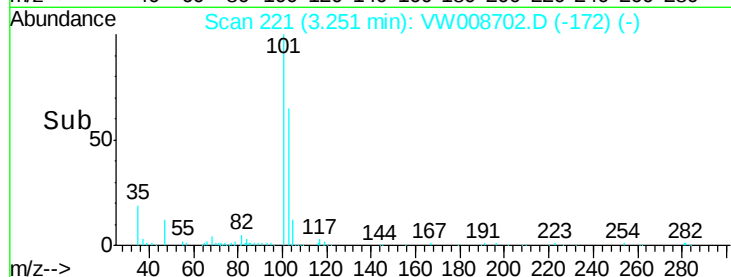
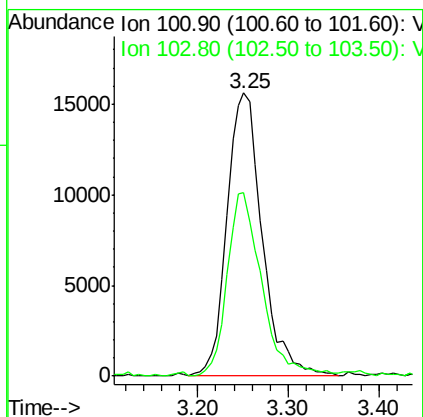
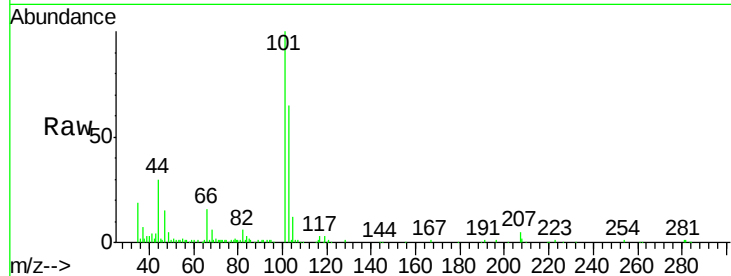
Trichlorofluoromethane
Concen: 14.440 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.5	75.7

Manual Integrations
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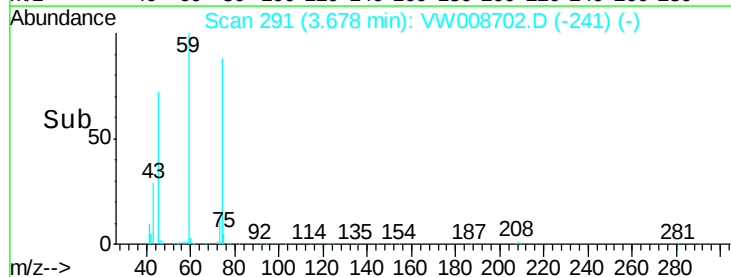
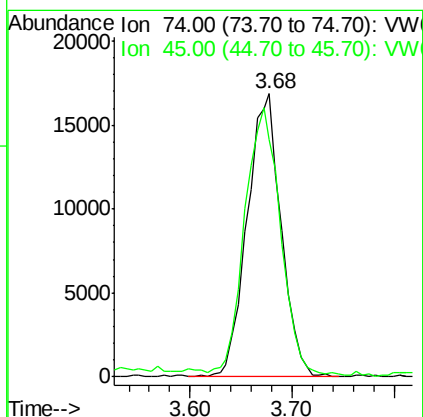
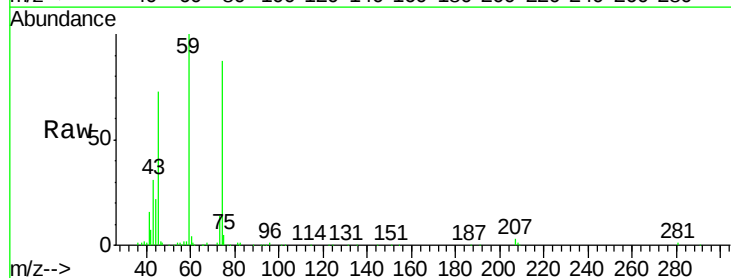
MMDadoda
2/18/2019 2:34:48 PM

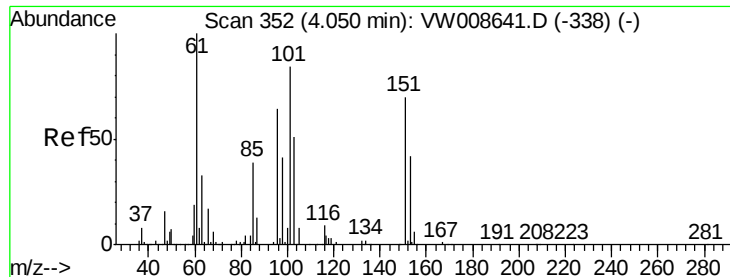


#8

Diethyl Ether
Concen: 22.426 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.048 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

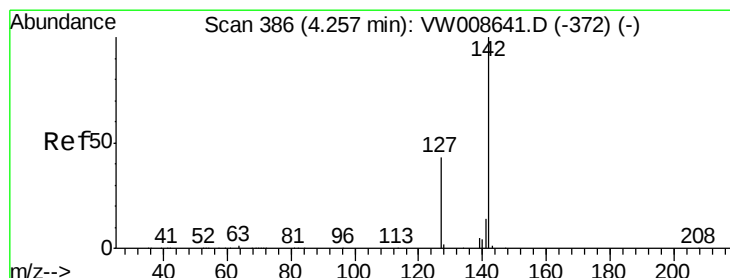
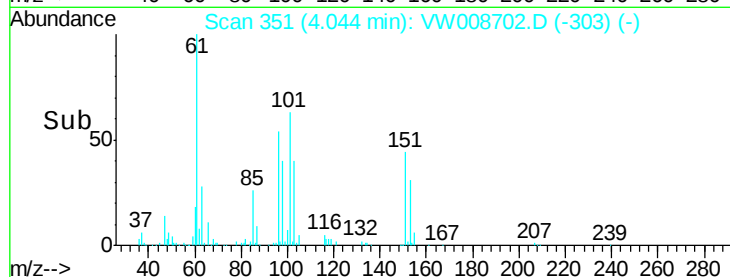
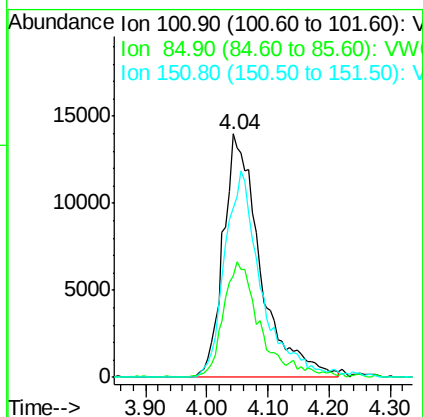
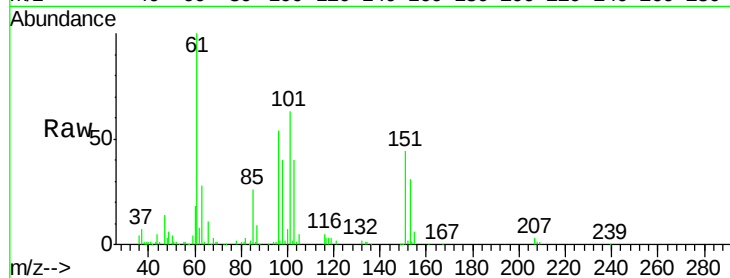
ClientSampleId :

VW0215SBS02

Tot Ion:	101	Resp:	58695
Ion Ratio	Lower	Upper	
101	100		
85	47.2	34.3	51.5
151	82.8	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 21.348 ug/l

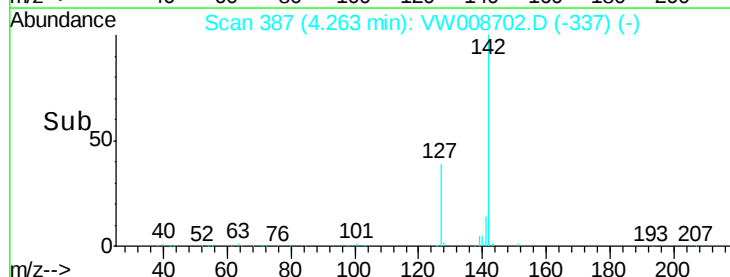
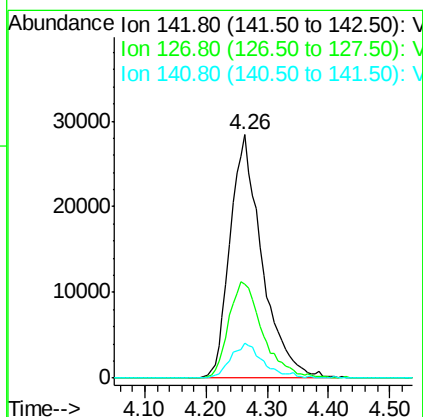
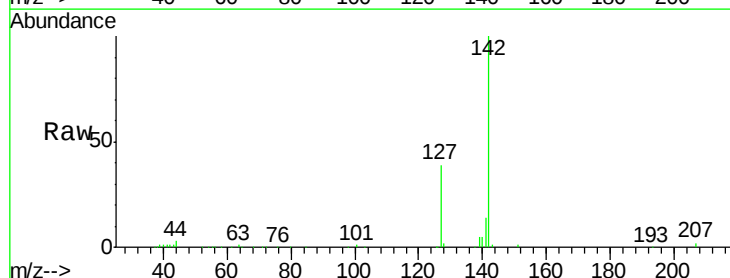
RT: 4.26 min Scan# 387

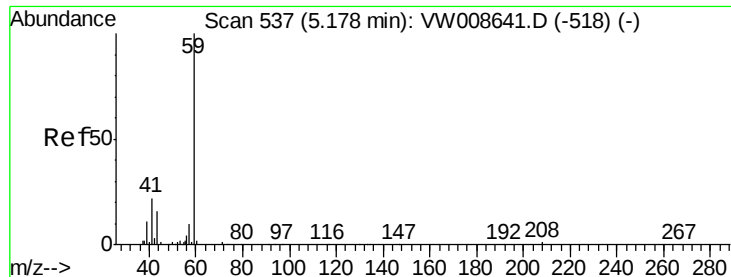
Delta R.T. 0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Tgt Ion:	142	Resp:	102668
Ion Ratio	Lower	Upper	
142	100		
127	41.6	34.8	52.2
141	14.5	11.8	17.8





#11

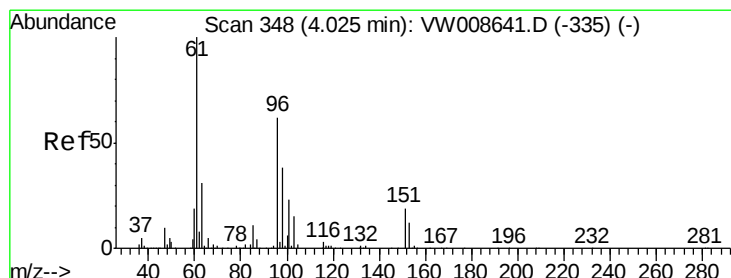
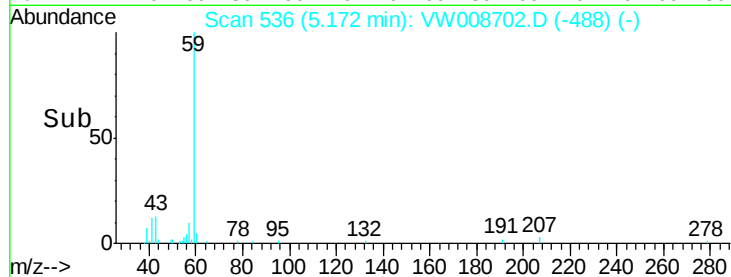
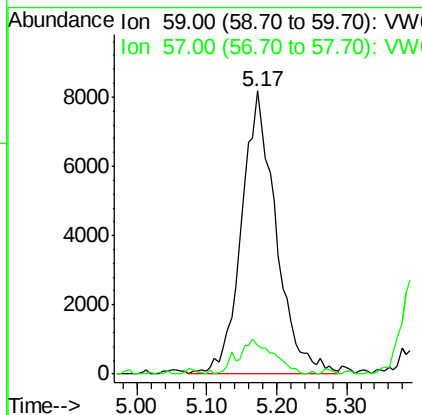
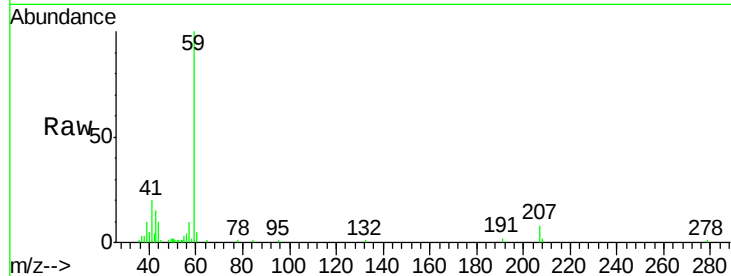
Tert butyl alcohol
 Concen: 109.455 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.5	8.3	12.5#

Manual Integrations
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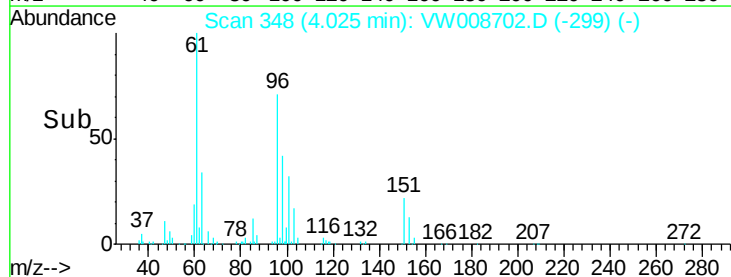
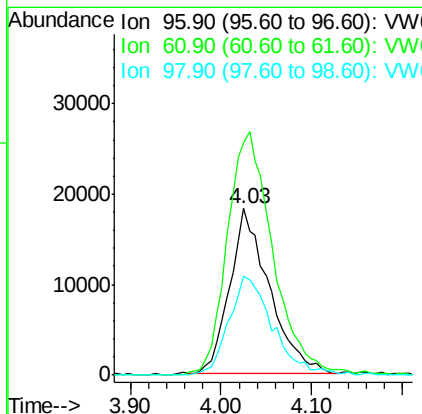
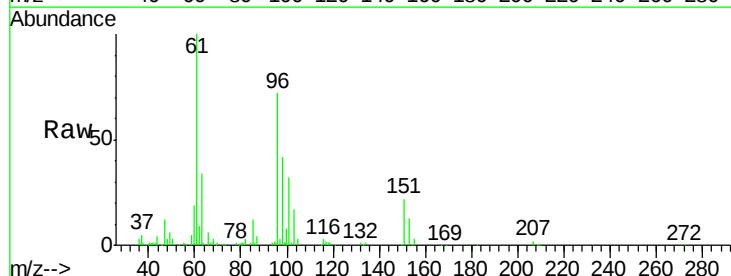
MMDadoda
 2/18/2019 2:34:48 PM

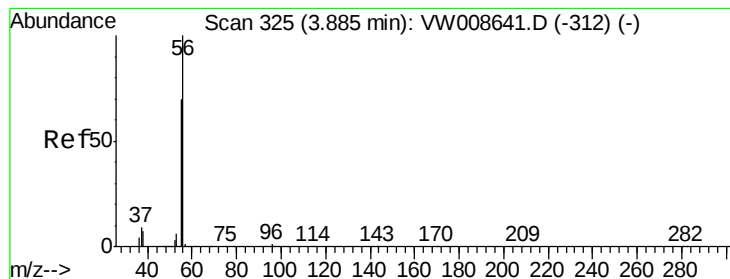


#12

1,1-Dichloroethene
 Concen: 18.561 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.2	129.8	194.6
98	59.8	49.3	73.9





#13

Acrolein

Concen: 94.556 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 56 Resp: 25013

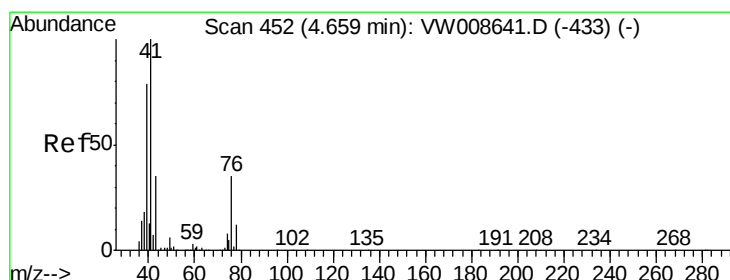
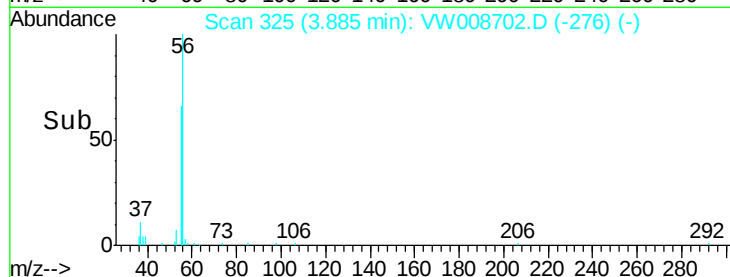
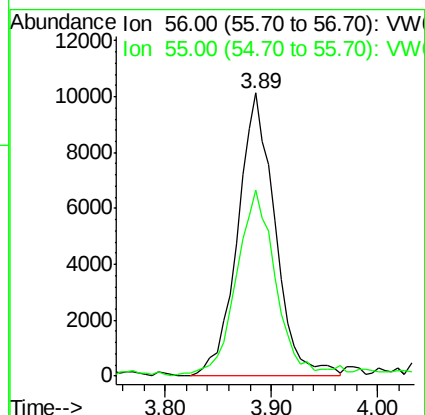
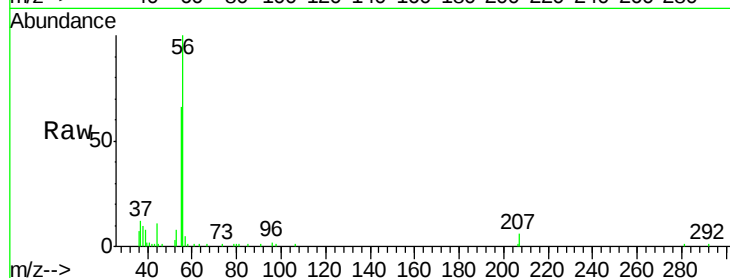
Ion Ratio Lower Upper

56 100

55 68.8 57.4 86.2

Manual Integrations
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#14

Allyl chloride

Concen: 19.692 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

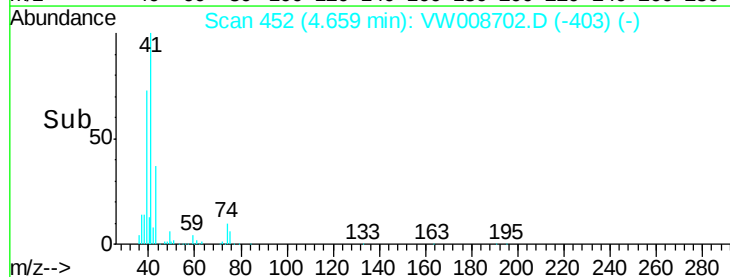
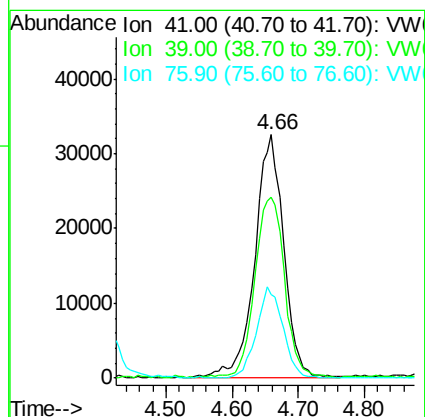
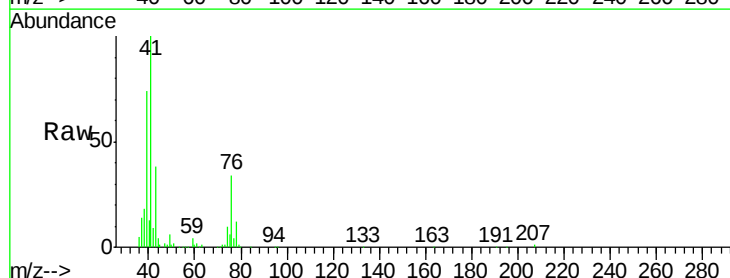
Tgt Ion: 41 Resp: 98590

Ion Ratio Lower Upper

41 100

39 77.5 61.7 92.5

76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 114.279 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

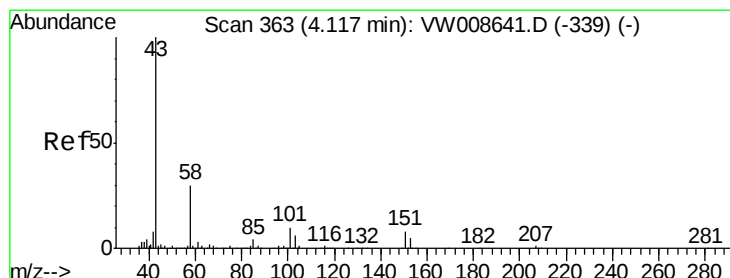
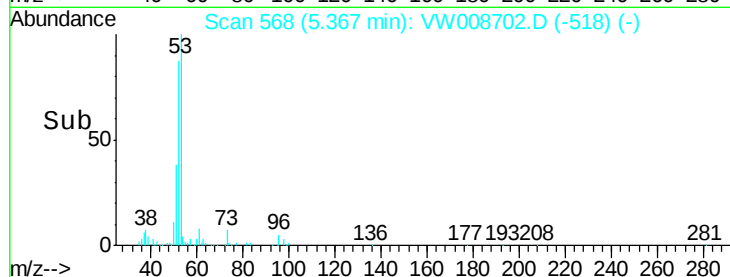
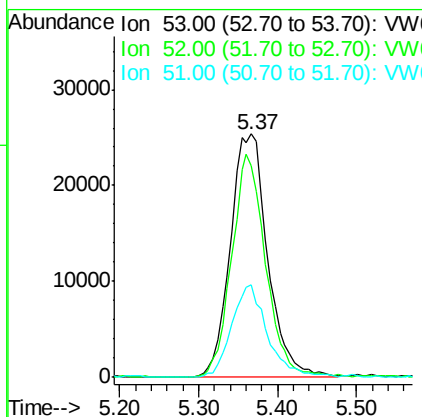
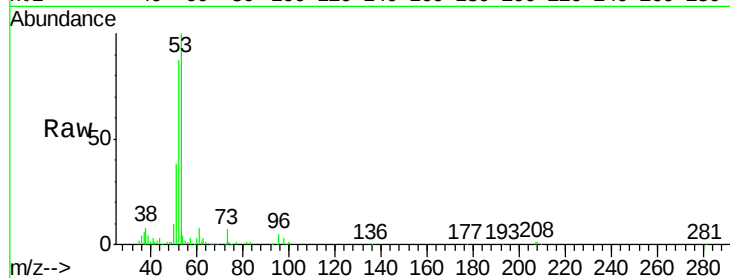
ClientSampleId :

VW0215SBS02

Tot Ion:	53	Resp:	83696
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.8	100.2
51	36.7	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 95.851 ug/l

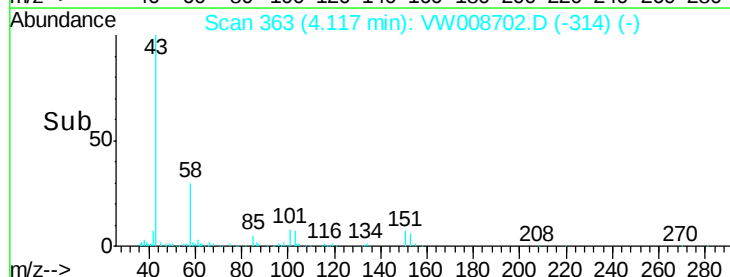
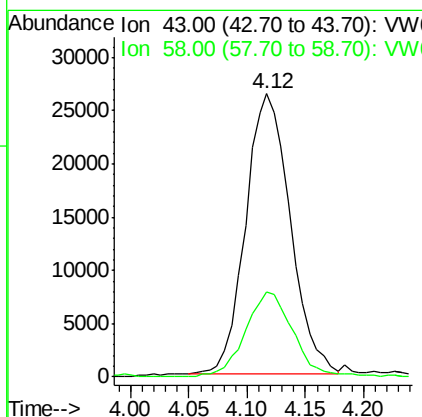
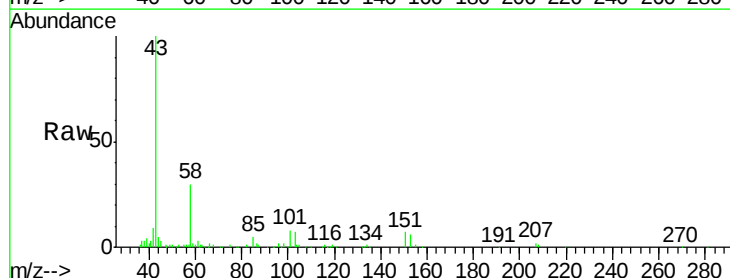
RT: 4.12 min Scan# 363

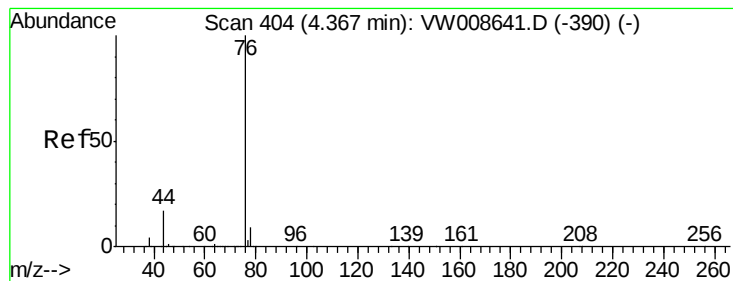
Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Tgt Ion:	43	Resp:	69994
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.1	36.1





#17

Carbon Disulfide

Concen: 18.079 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 76 Resp: 164410

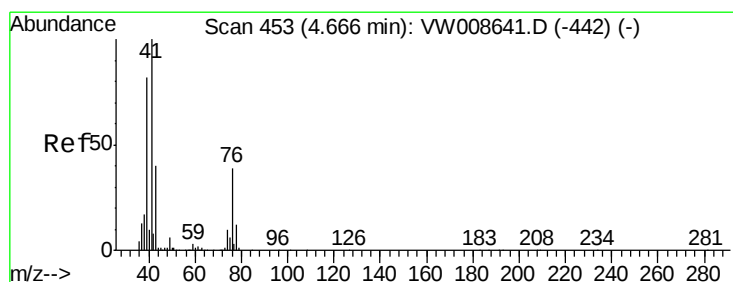
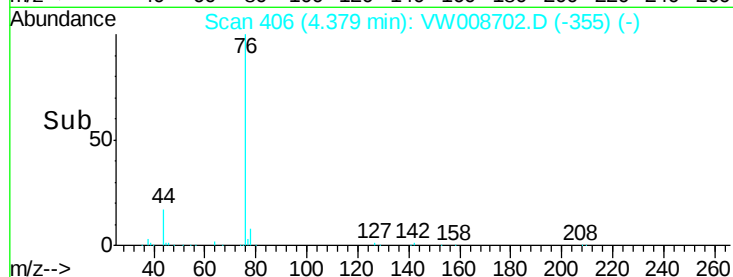
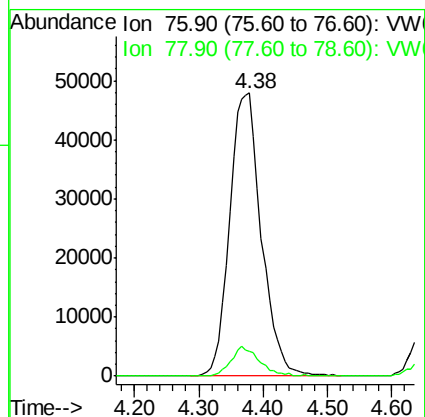
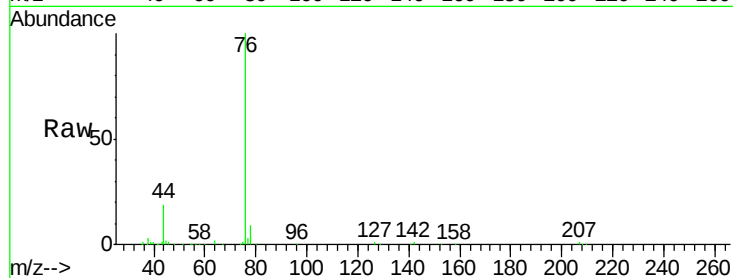
Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

Manual Integrations
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#18

Methyl Acetate

Concen: 21.741 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008702.D

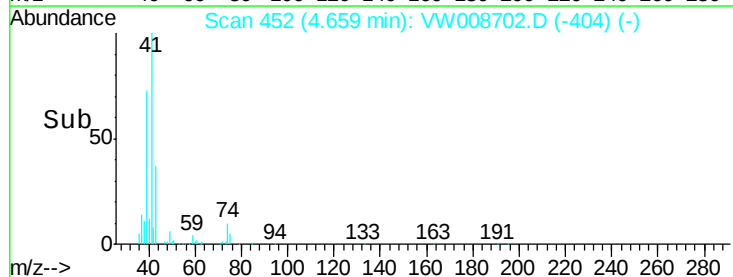
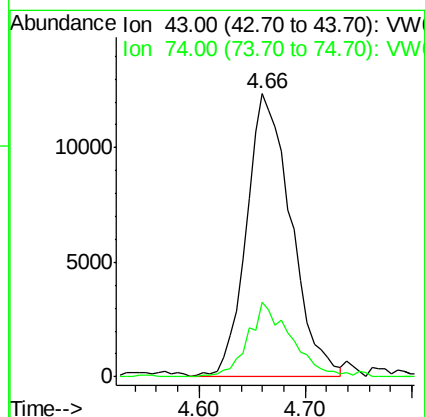
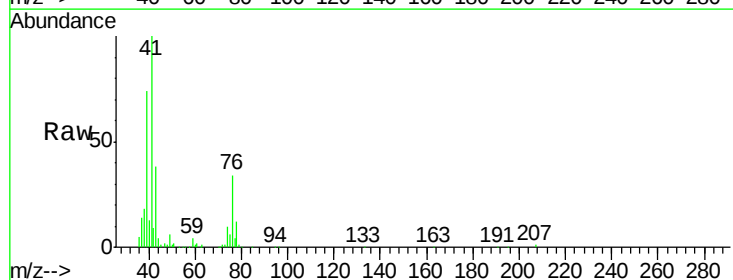
Acq: 16 Feb 2019 00:49

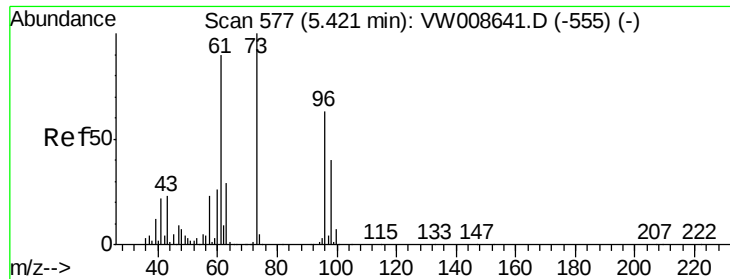
Tgt Ion: 43 Resp: 36279

Ion Ratio Lower Upper

43 100

74 25.3 19.0 28.4





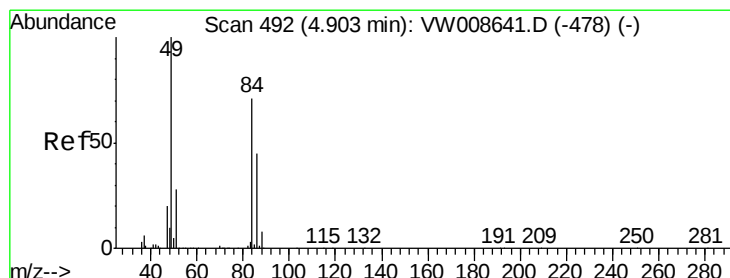
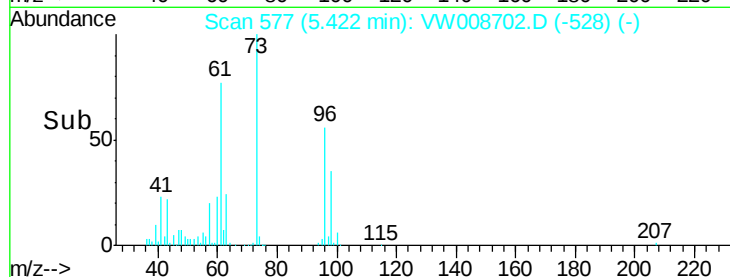
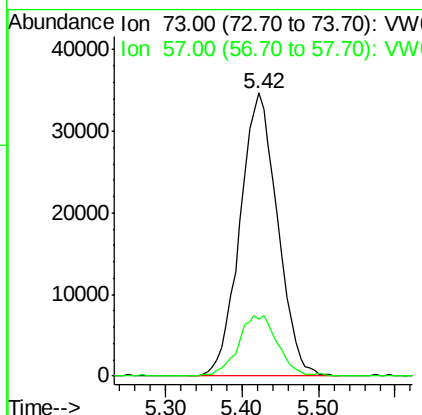
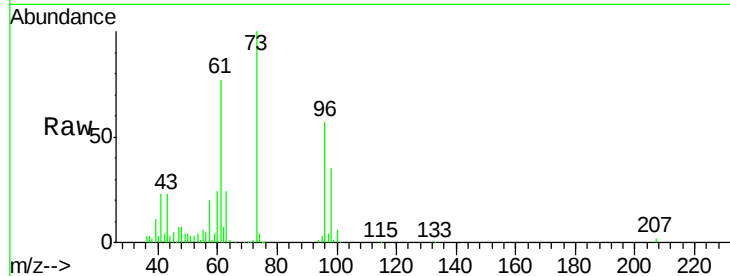
#19
Methyl tert-butyl Ether
Concen: 22.374 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion: 73 Resp: 118357
Ion Ratio Lower Upper
73 100
57 20.0 18.2 27.2

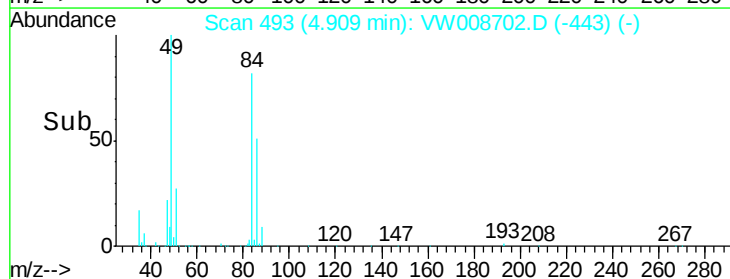
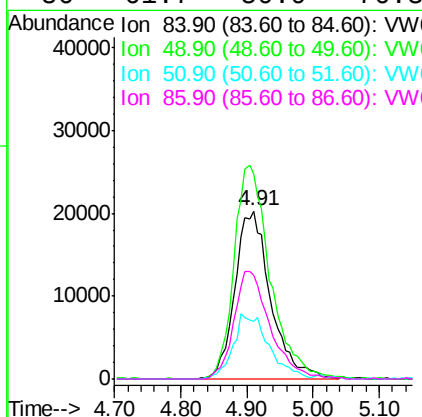
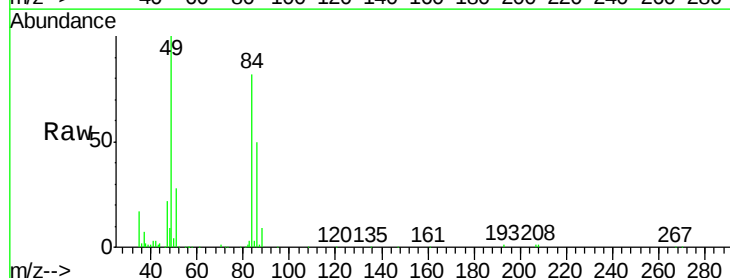
Manual Integrations
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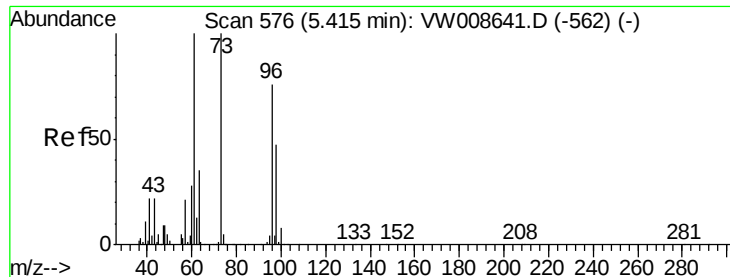
MMDadoda
2/18/2019 2:34:48 PM



#20
Methylene Chloride
Concen: 19.147 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion: 84 Resp: 75967
Ion Ratio Lower Upper
84 100
49 122.3 113.3 169.9
51 34.0 32.1 48.1
86 61.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.604 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

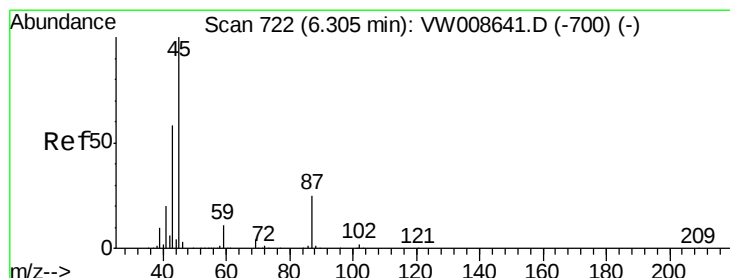
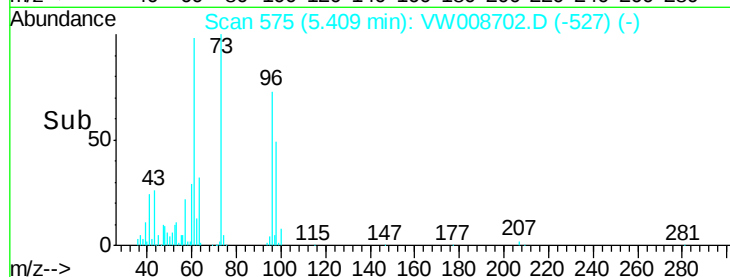
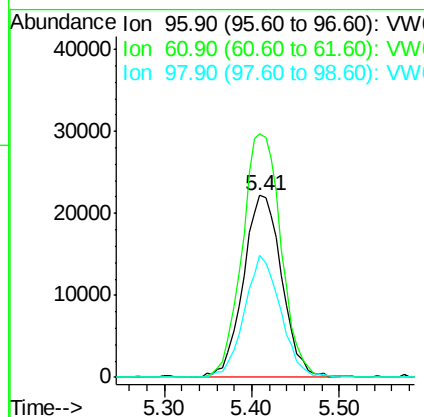
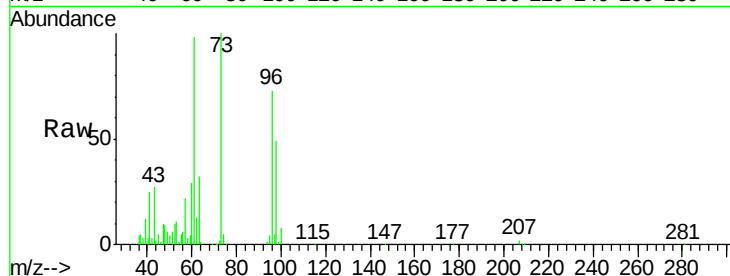
ClientSampleId :

VW0215SBS02

Tot Ion:	96	Resp:	67997
Ion	Ratio	Lower	Upper
96	100		
61	133.8	105.9	158.9
98	67.0	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.819 ug/l

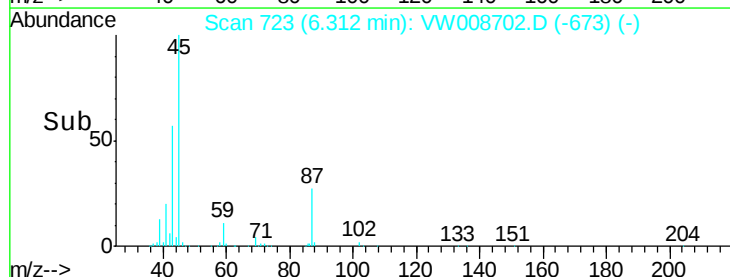
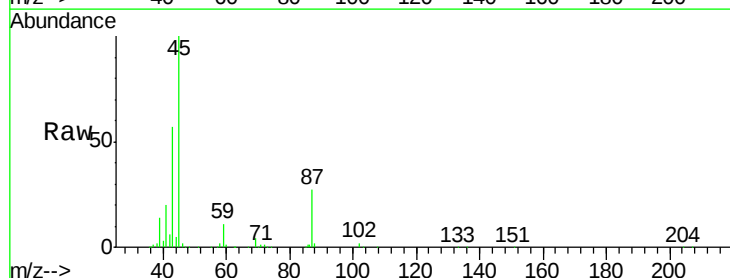
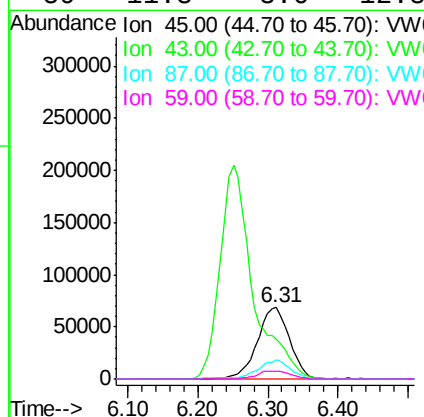
RT: 6.31 min Scan# 723

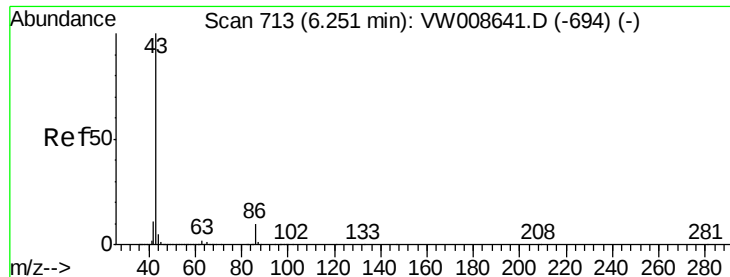
Delta R.T. 0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Tgt Ion:	45	Resp:	219857
Ion	Ratio	Lower	Upper
45	100		
43	56.0	46.1	69.1
87	27.3	20.5	30.7
59	11.3	8.6	12.8





#23

Vinyl Acetate

Concen: 102.995 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 43 Resp: 673583

Ion Ratio Lower Upper

43 100

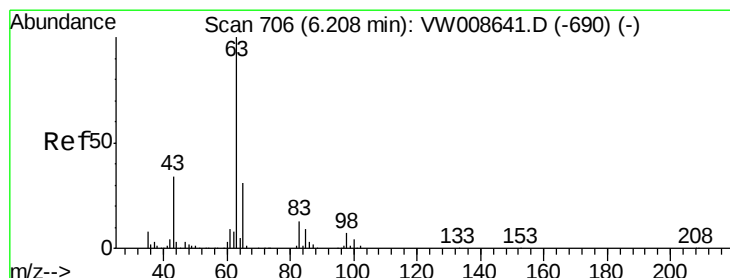
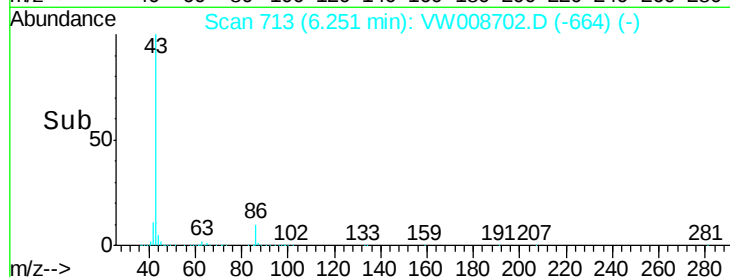
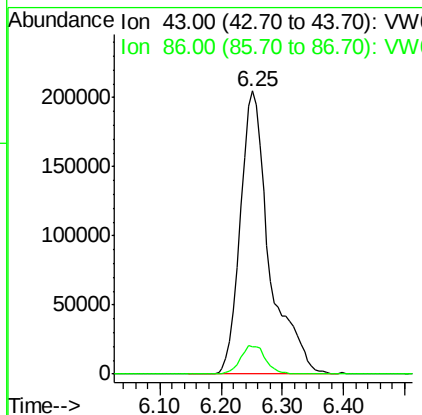
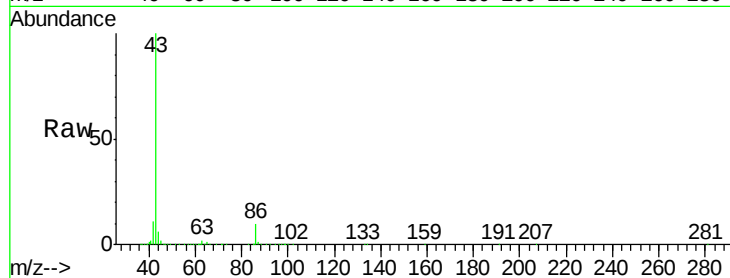
86 9.7 7.9 11.9

Manual Integrations

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2/18/2019 2:34:48 PM



#24

1,1-Dichloroethane

Concen: 21.278 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

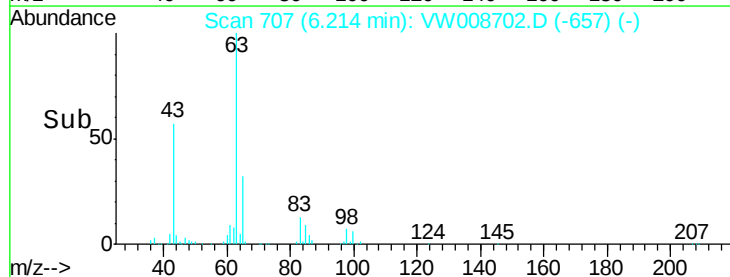
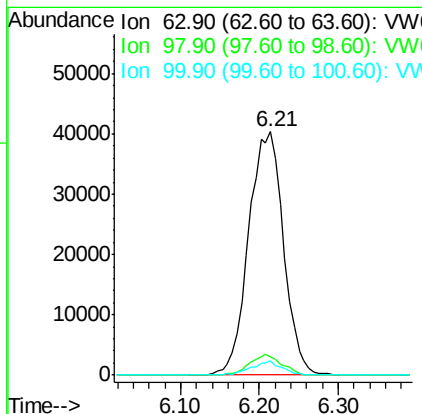
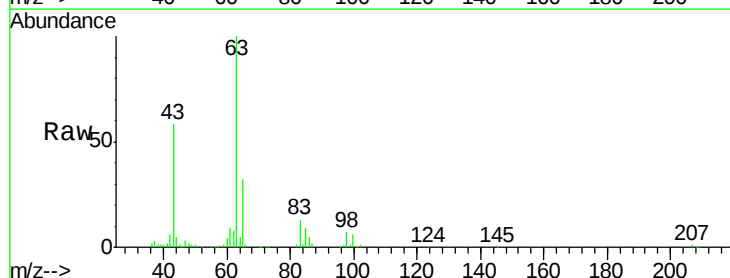
Tgt Ion: 63 Resp: 123722

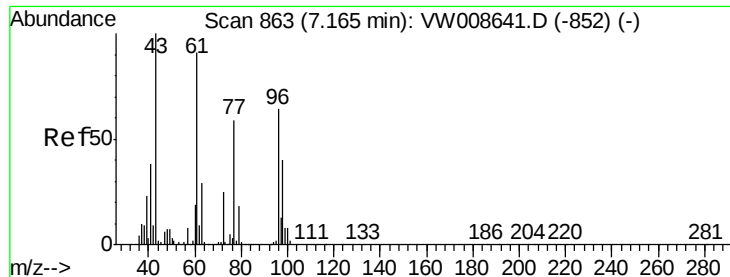
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 5.7 2.2 6.6





#25

2-Butanone

Concen: 106.616 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 43 Resp: 109936

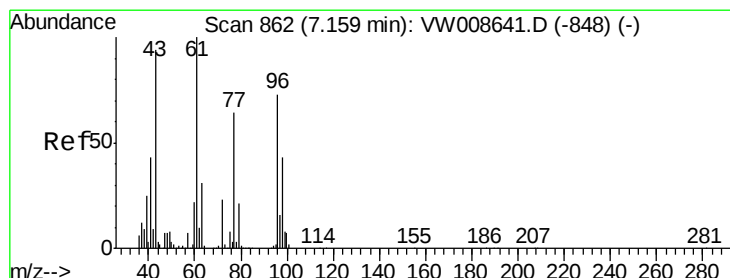
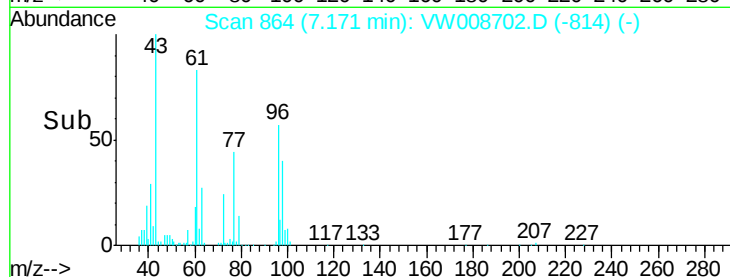
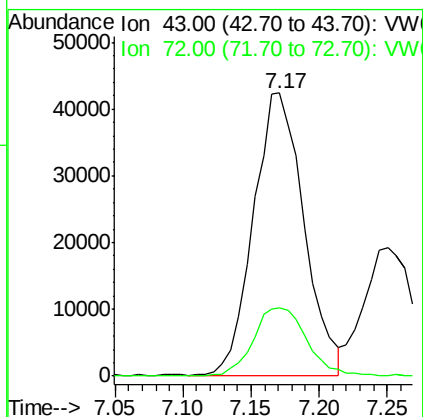
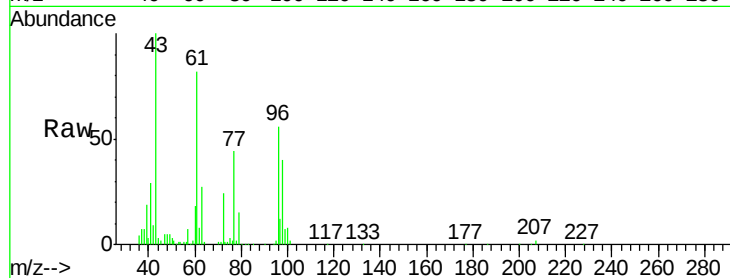
Ion Ratio Lower Upper

43 100

72 24.1 19.7 29.5

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:48 PM



#26

2,2-Dichloropropane

Concen: 17.582 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008702.D

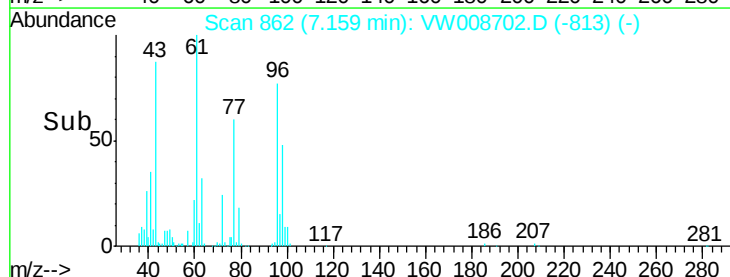
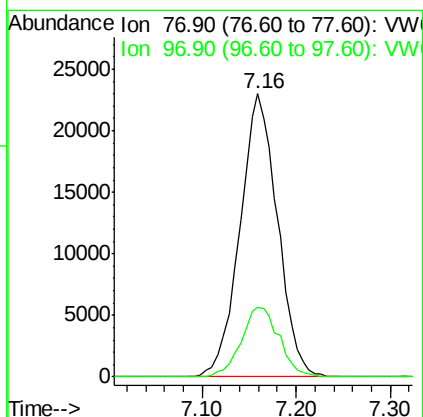
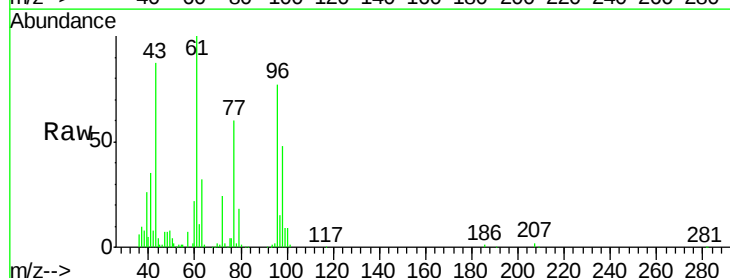
Acq: 16 Feb 2019 00:49

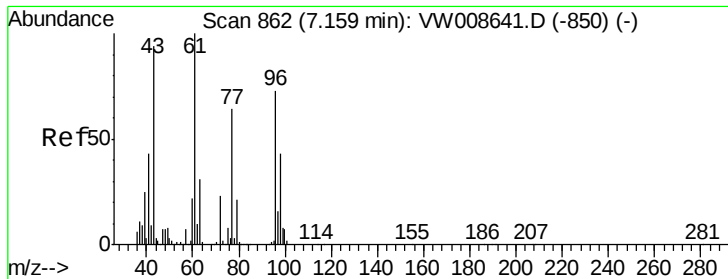
Tgt Ion: 77 Resp: 63866

Ion Ratio Lower Upper

77 100

97 25.0 11.7 35.0





#27

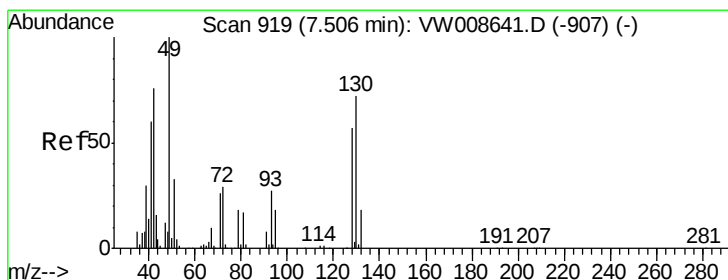
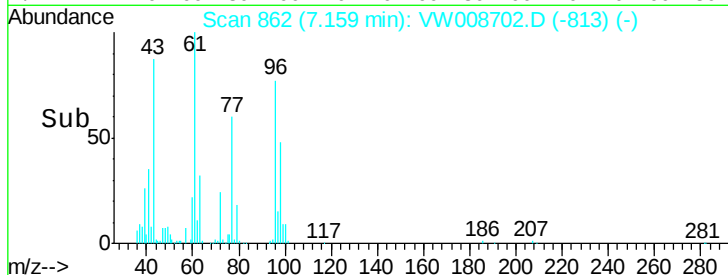
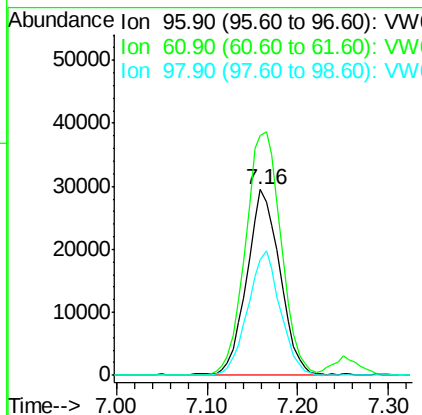
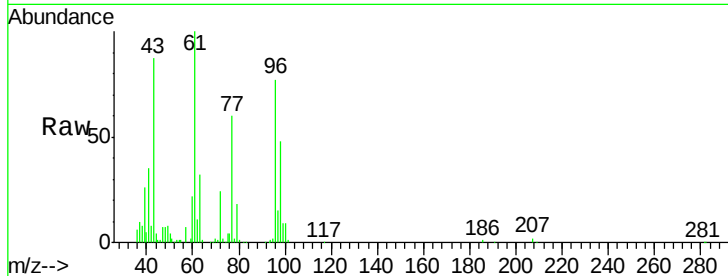
cis-1,2-Dichloroethene
Concen: 21.000 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	286.4
98	65.4	0.0	125.0

Manual Integrations
APPROVED

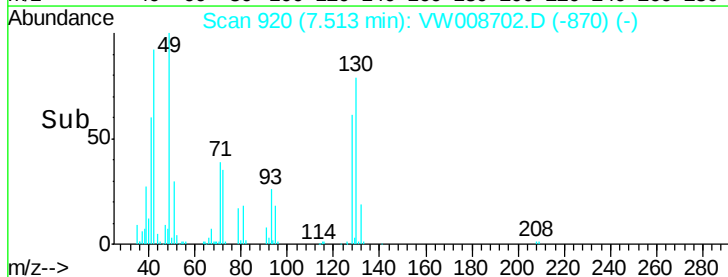
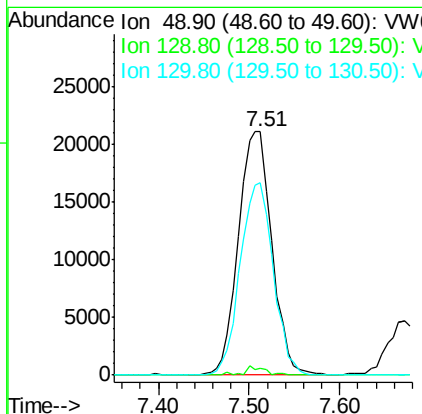
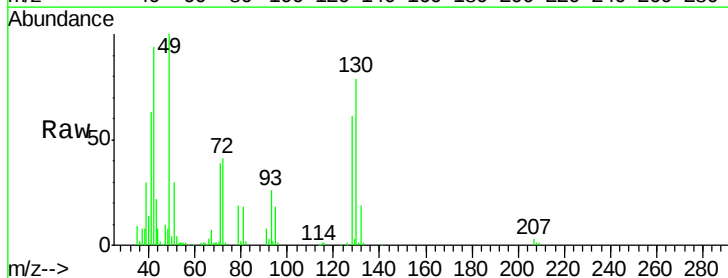
MMDadoda
2/18/2019 2:34:48 PM

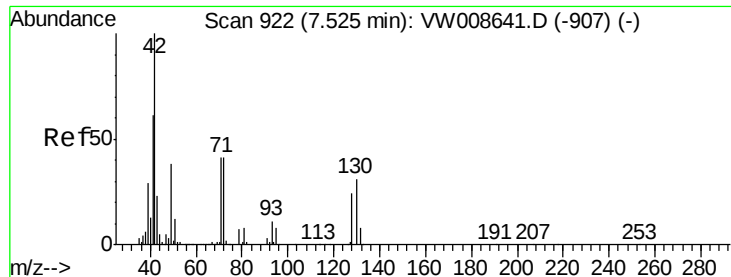


#28

Bromochloromethane
Concen: 21.988 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	77.9	59.4	89.0





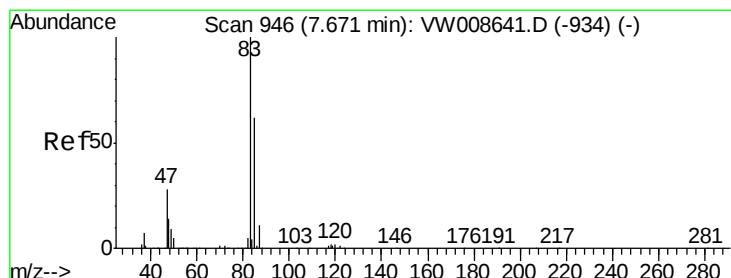
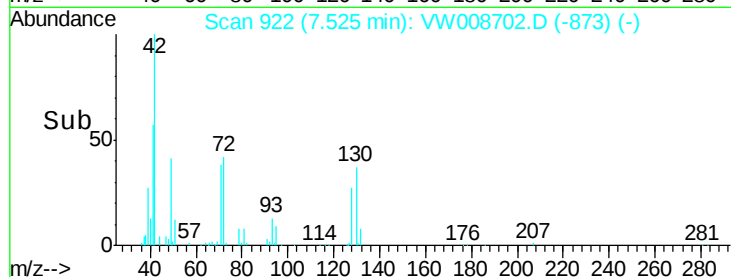
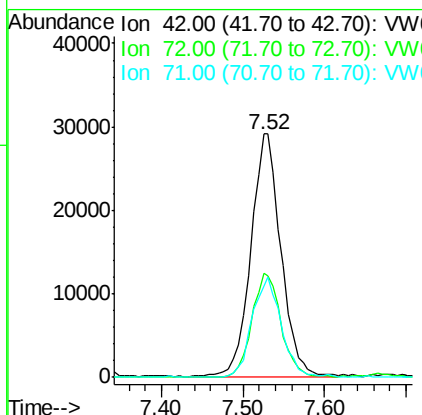
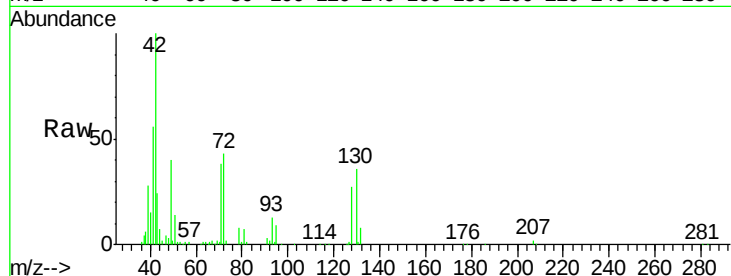
#29
Tetrahydrofuran
Concen: 111.378 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion:	42	Resp:	75697
Ion Ratio		Lower	Upper
42	100		
72	41.4	32.2	48.2
71	39.4	31.0	46.6

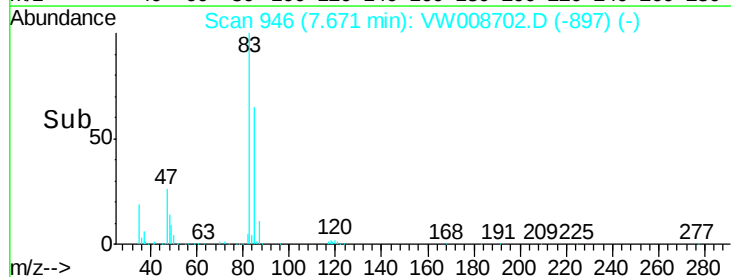
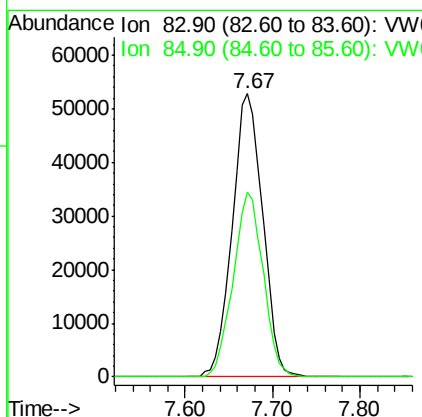
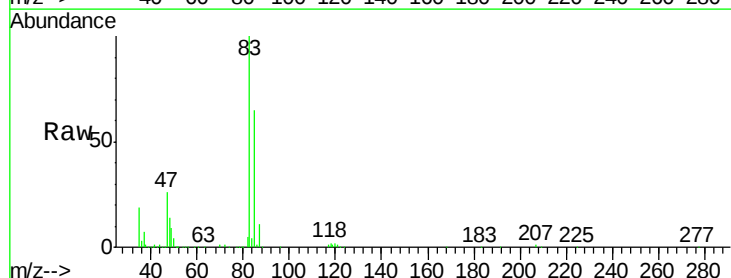
Manual Integrations
APPROVED

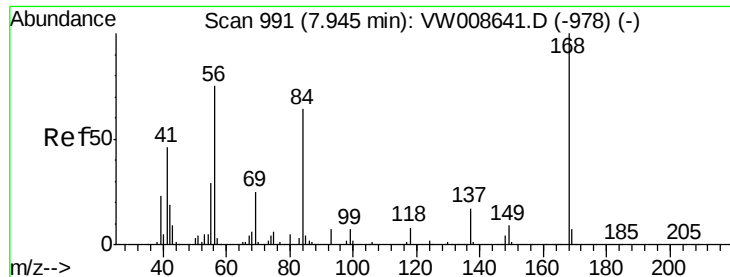
MMDadoda
2/18/2019 2:34:48 PM



#30
Chloroform
Concen: 21.962 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion:	83	Resp:	127956
Ion Ratio		Lower	Upper
83	100		
85	65.2	49.8	74.8





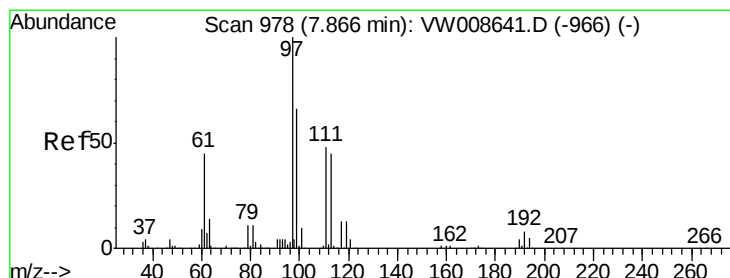
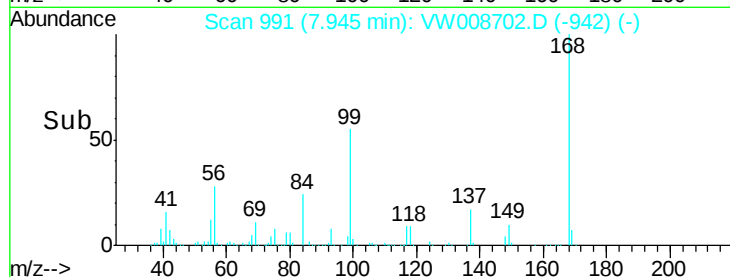
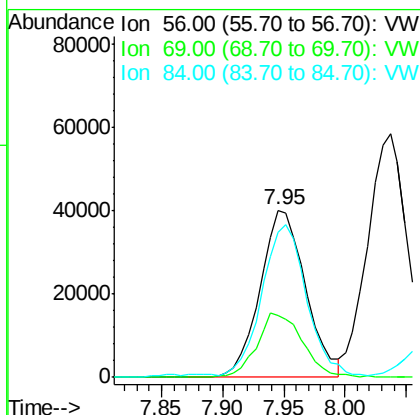
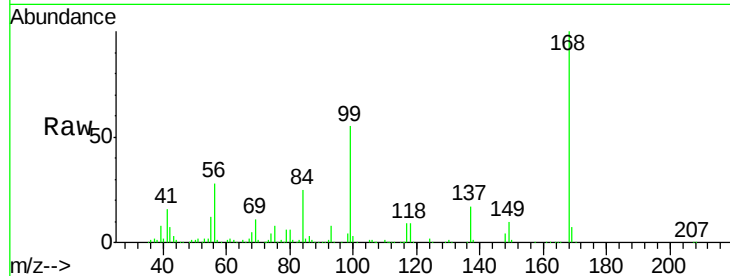
#31
Cyclohexane
Concen: 17.756 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	26.4	39.6
84	85.3	67.4	101.2

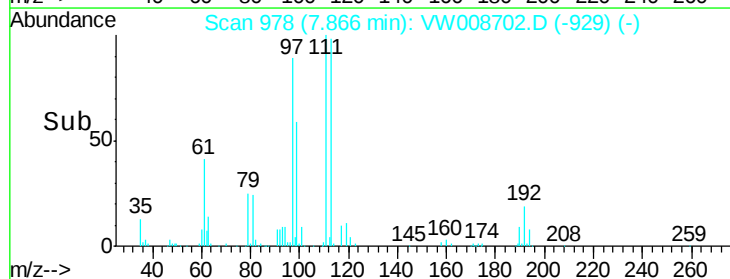
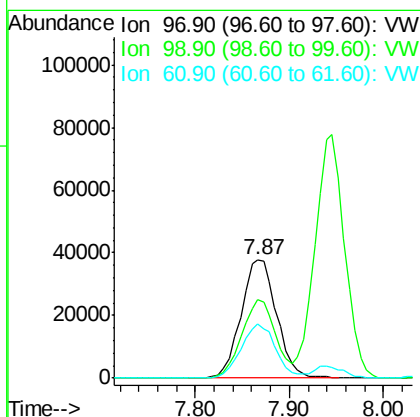
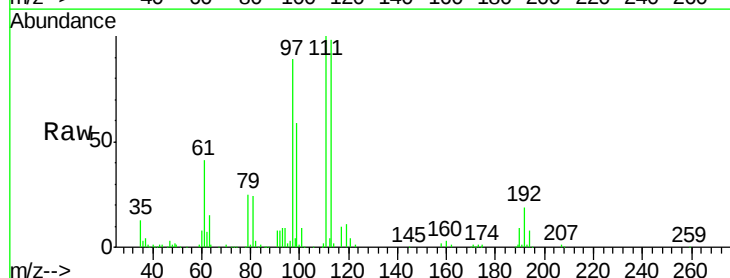
Manual Integrations
APPROVED

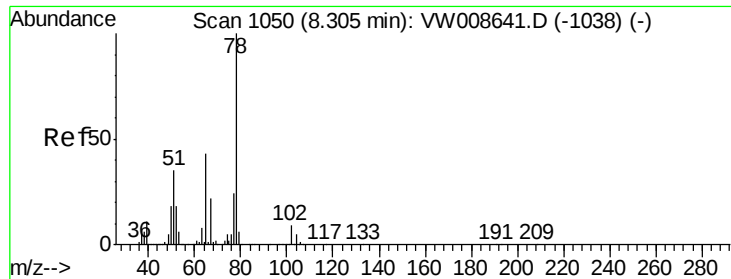
MMDadoda
2/18/2019 2:34:48 PM



#32
1,1,1-Trichloroethane
Concen: 20.245 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	44.5	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 52.670 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 65 Resp: 169020

Ion Ratio Lower Upper

65 100

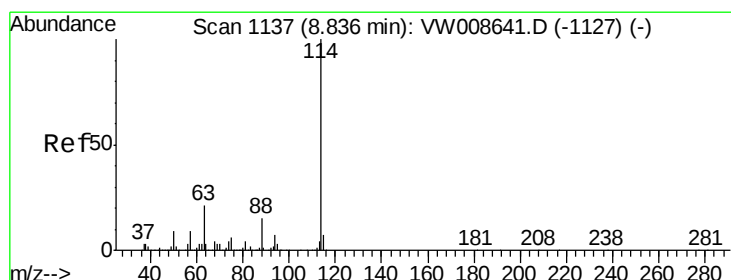
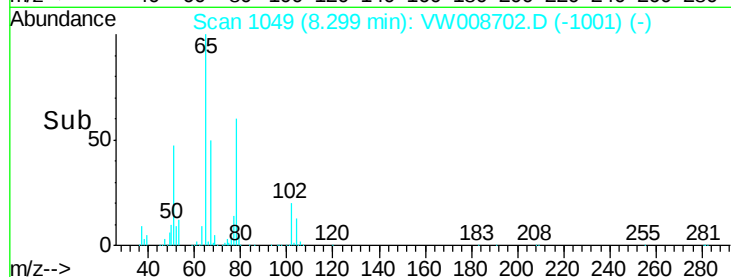
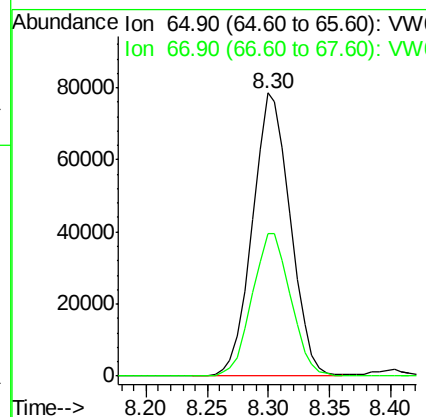
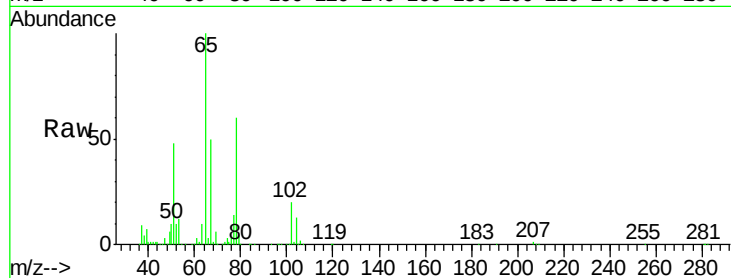
67 51.6 0.0 102.0

Manual Integrations

APPROVED

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2/18/2019 2:34:48 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

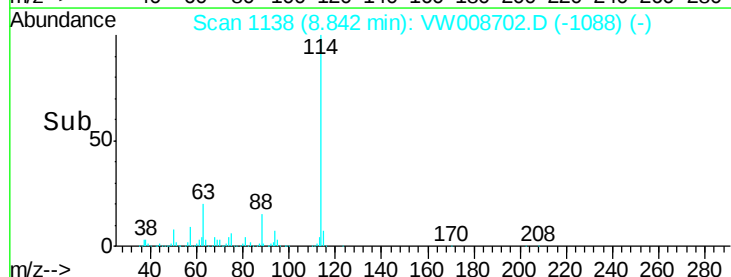
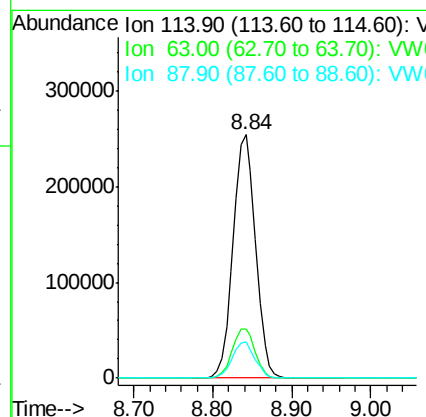
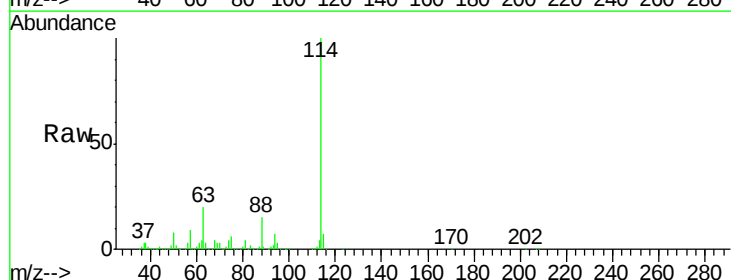
Tgt Ion: 114 Resp: 502996

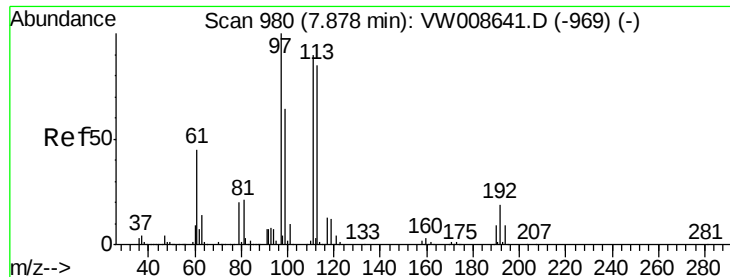
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.2

88 14.9 0.0 29.6





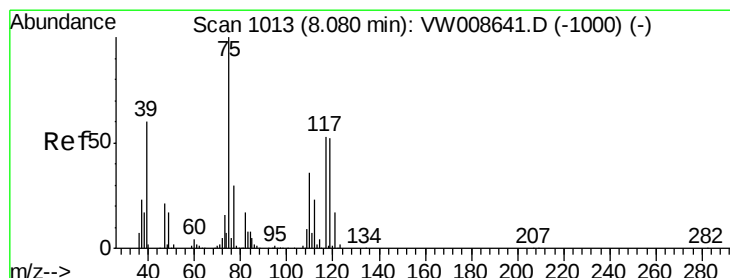
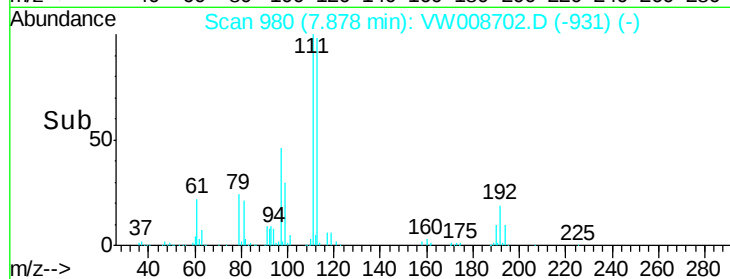
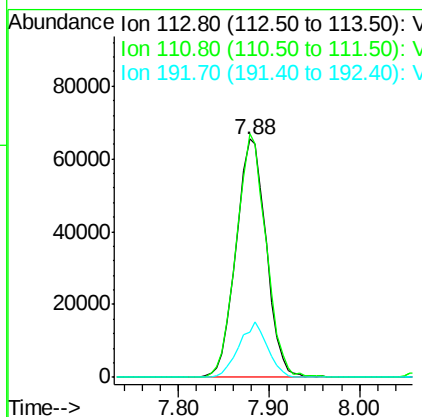
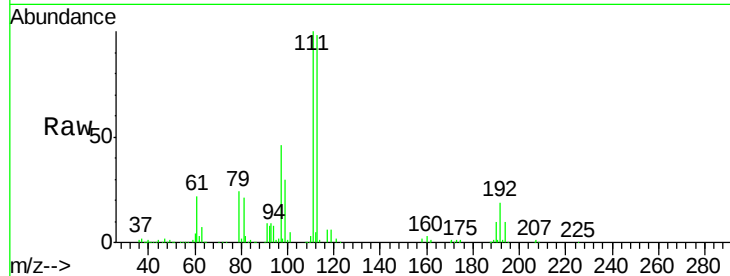
#35
 Dibromofluoromethane
 Concen: 48.469 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	84.0	126.0	
192	21.9	17.4	26.2	

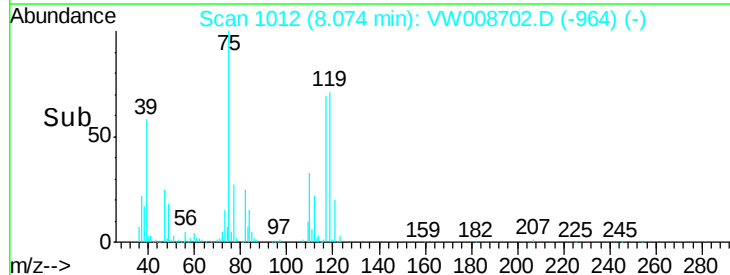
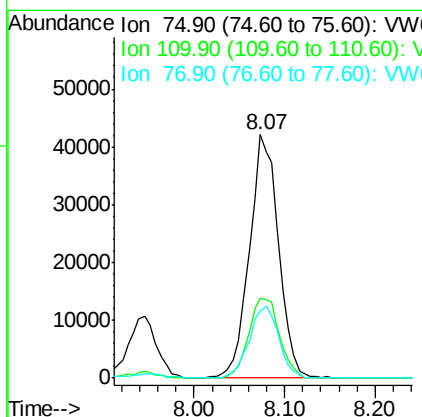
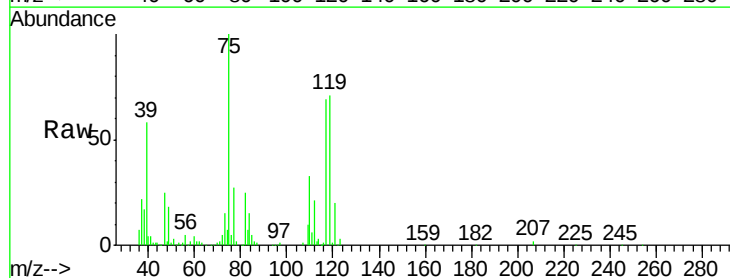
Manual Integrations
 APPROVED

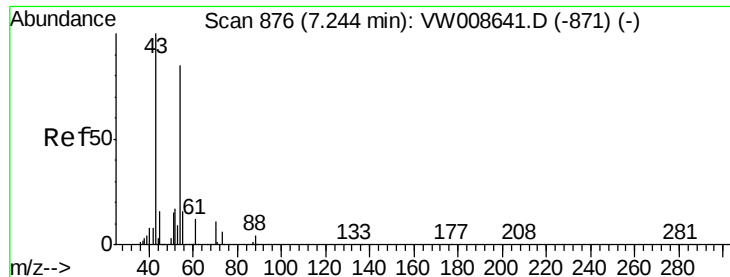
MMDadoda
 2/18/2019 2:34:48 PM



#36
 1,1-Dichloropropene
 Concen: 18.502 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.9	17.8	53.3	
77	30.3	24.7	37.1	





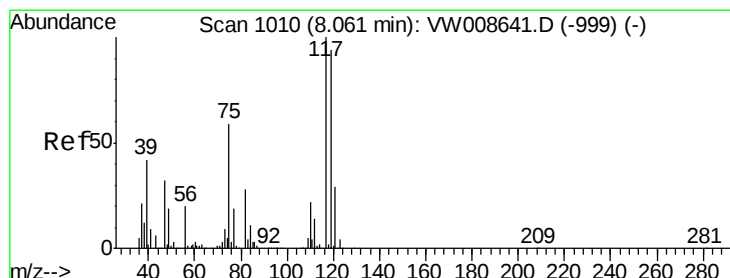
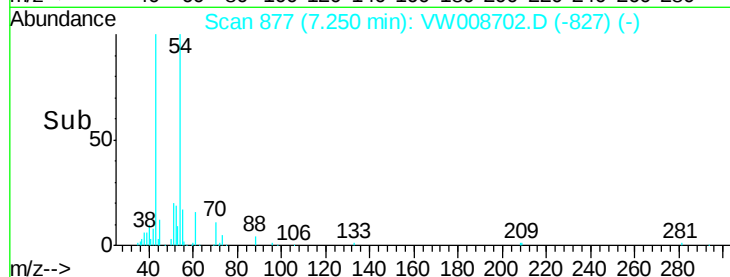
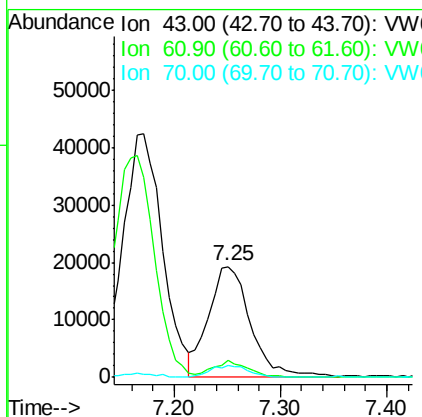
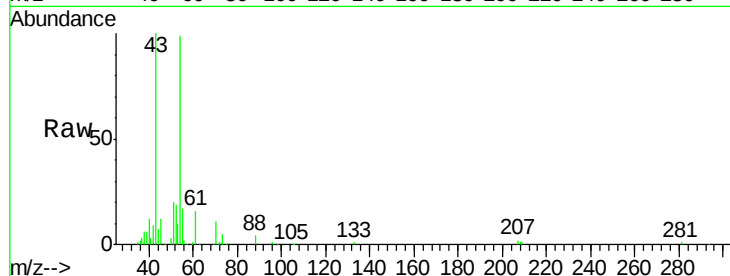
#37
Ethyl Acetate
Concen: 21.164 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampled :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	10.4	8.1	12.1

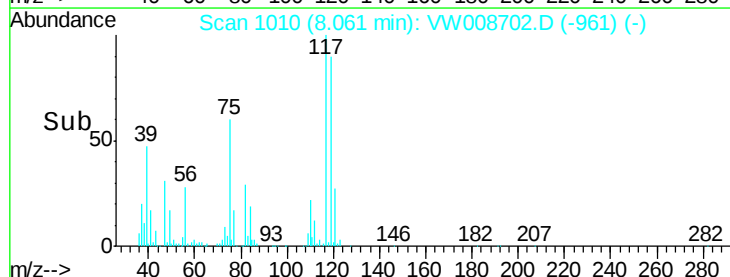
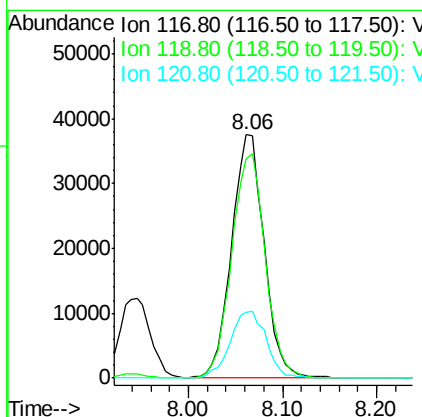
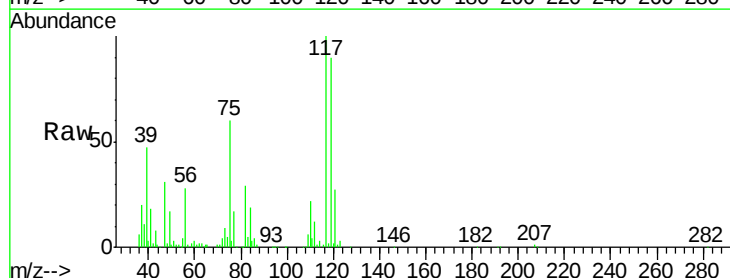
Manual Integrations
APPROVED

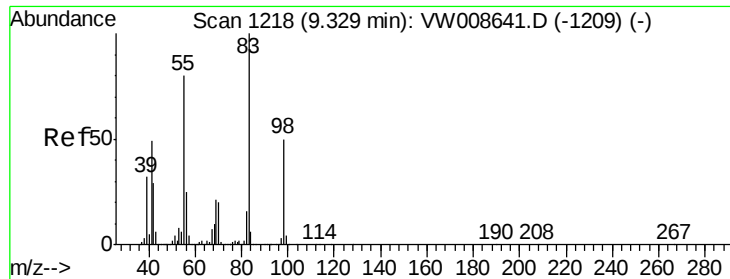
MMDadoda
2/18/2019 2:34:48 PM



#38
Carbon Tetrachloride
Concen: 18.047 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	75.1	112.7
121	26.8	23.5	35.3





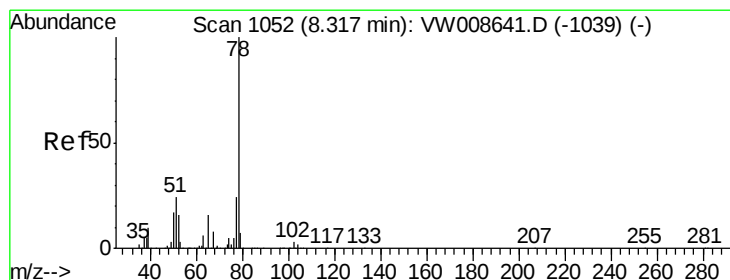
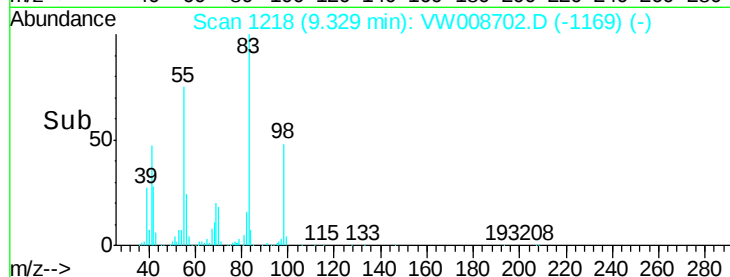
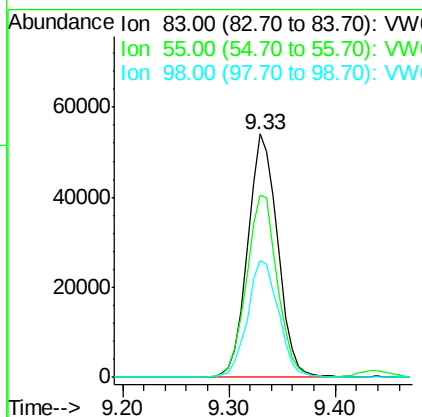
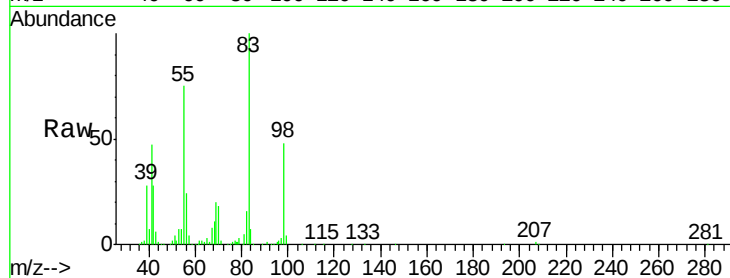
#39
Methvlcvclohexane
Concen: 16.760 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	63.9	95.9
98	48.1	40.2	60.2

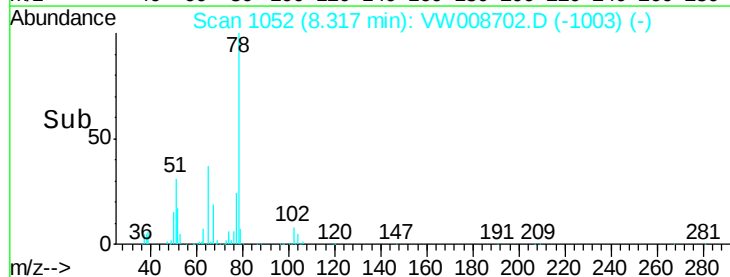
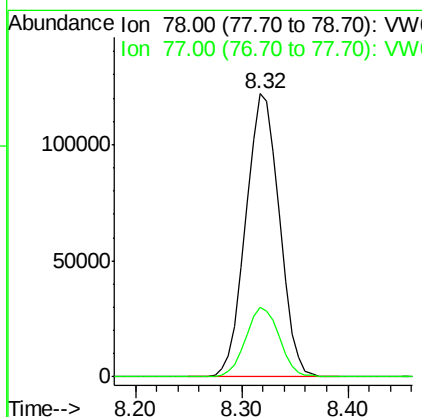
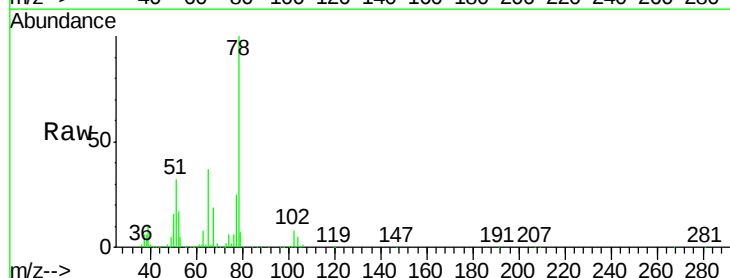
Manual Integrations
APPROVED

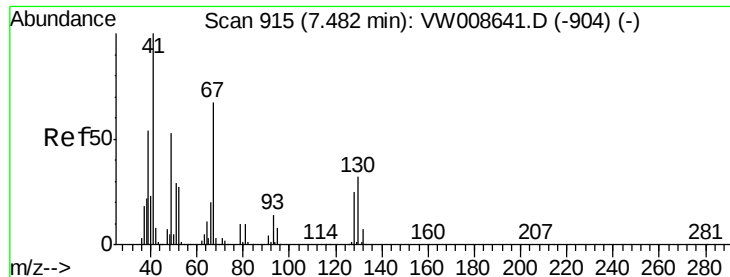
MMDadoda
2/18/2019 2:34:48 PM



#40
Benzene
Concen: 19.618 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





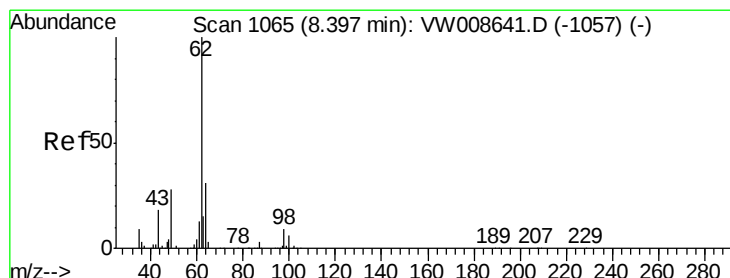
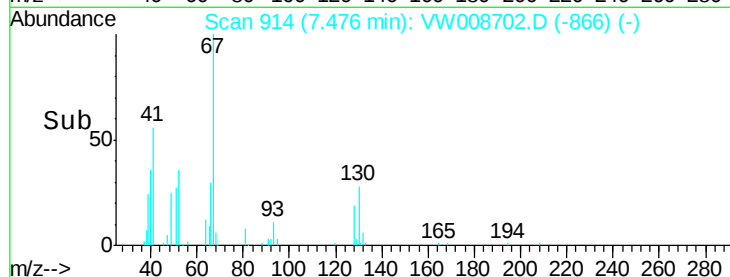
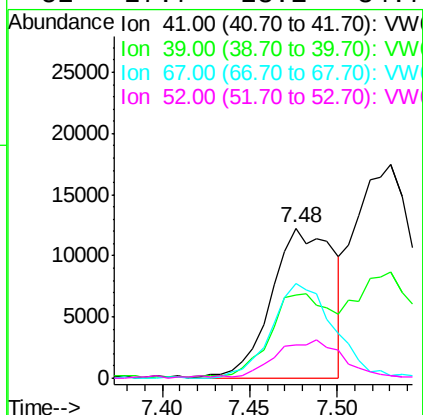
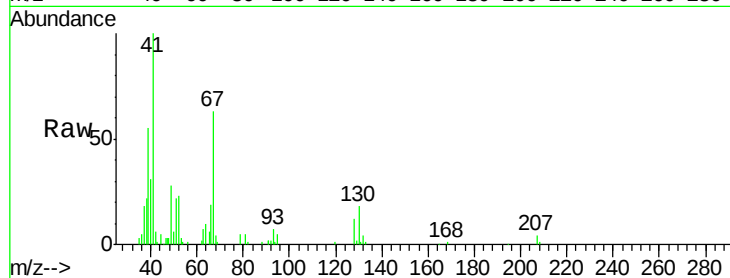
#41
Methacrylonitrile
Concen: 22.236 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		30498		
39	55.3	39.7	59.5		
67	63.6	52.5	78.7		
52	27.7	23.1	34.7		

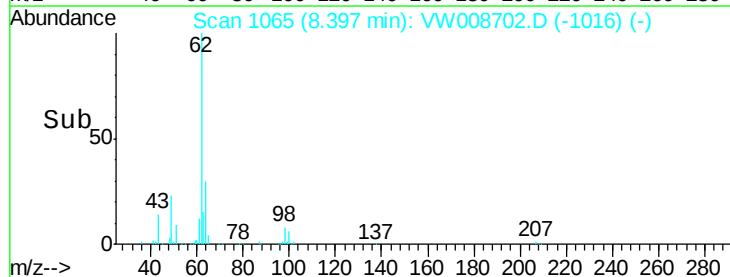
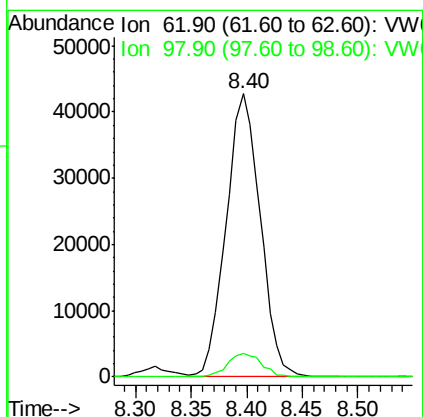
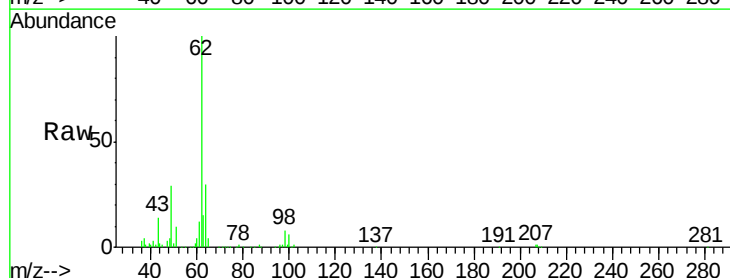
Manual Integrations
APPROVED

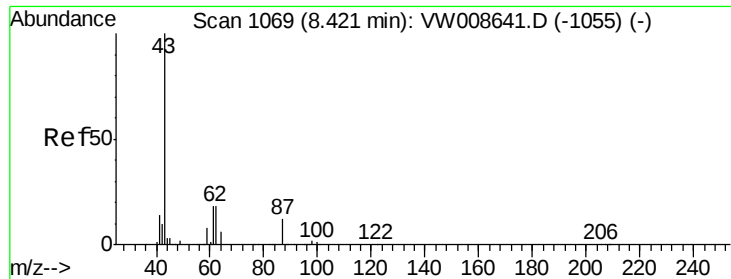
MMDadoda
2/18/2019 2:34:48 PM



#42
1,2-Dichloroethane
Concen: 21.256 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		90995		
98	8.3	0.0	18.2		





#43

Isopropyl Acetate

Concen: 19.972 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

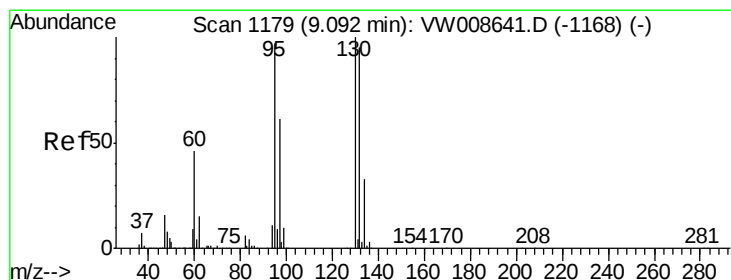
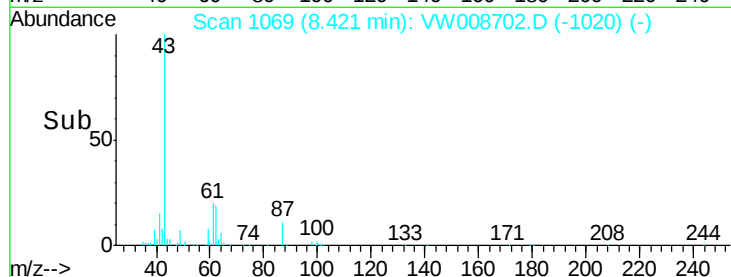
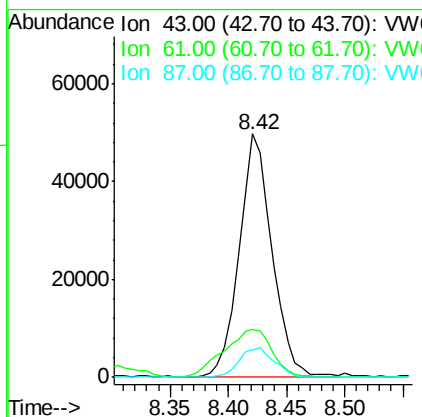
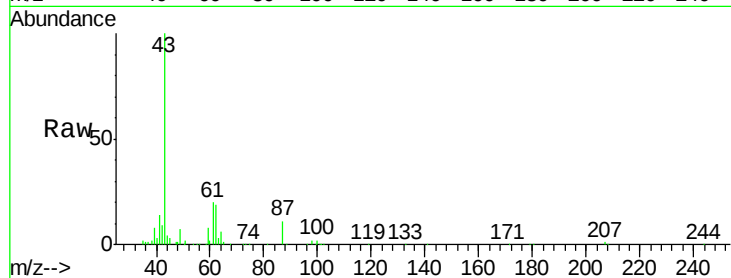
ClientSampleId :

VW0215SBS02

Tot Ion:	43	Resp:	97079
Ion	Ratio	Lower	Upper
43	100		
61	29.3	21.4	32.2
87	13.2	9.8	14.8

Manual Integrations
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2/18/2019 2:34:48 PM



#44

Trichloroethene

Concen: 19.421 ug/l

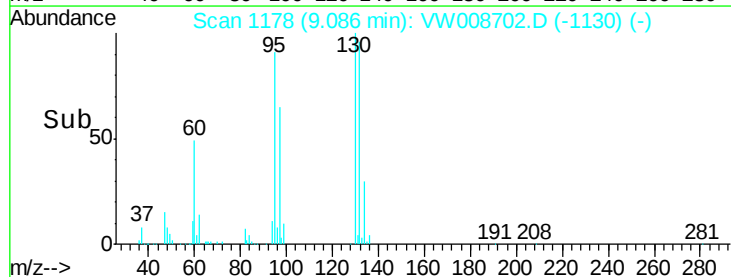
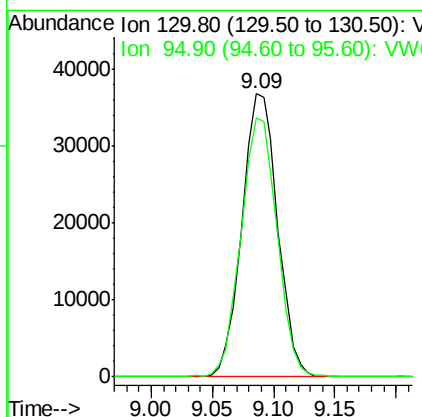
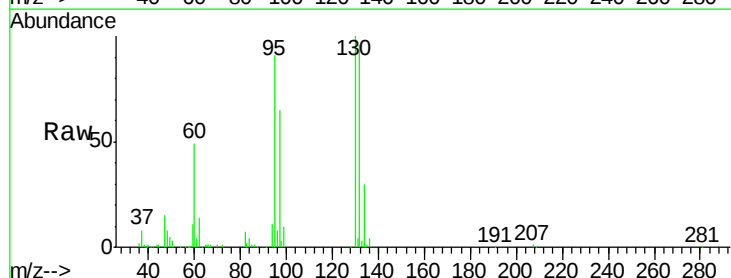
RT: 9.09 min Scan# 1178

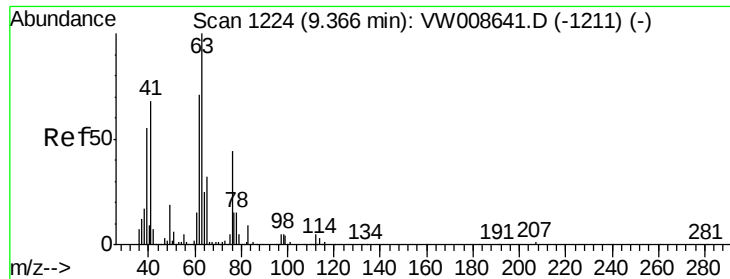
Delta R.T. -0.01 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Tgt Ion:	130	Resp:	74320
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	193.4





#45

1,2-Dichloropropane

Concen: 20.462 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 63 Resp: 69892

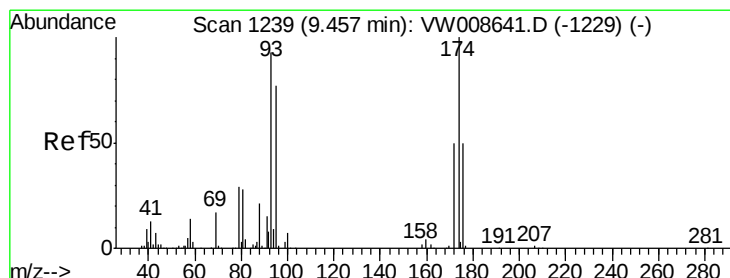
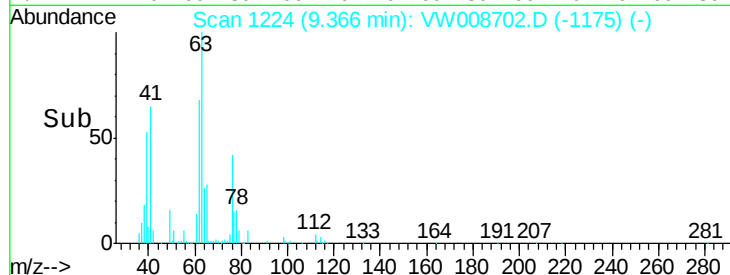
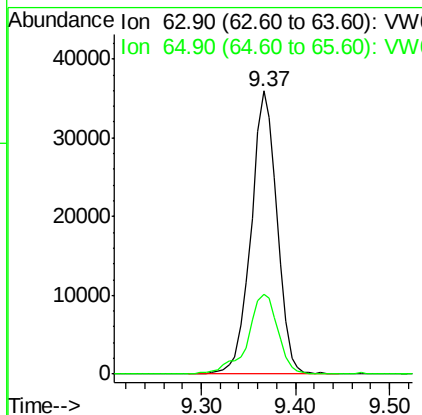
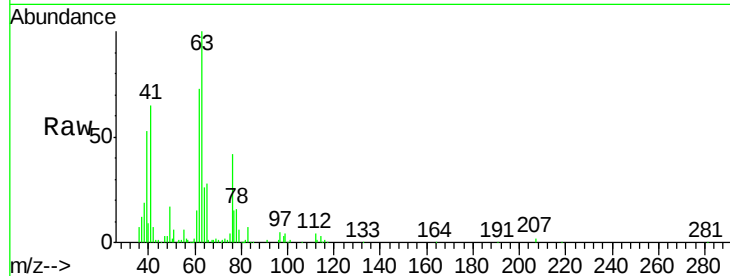
Ion Ratio Lower Upper

63 100

65 28.3 25.4 38.0

Manual Integrations
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2/18/2019 2:34:48 PM



#46

Dibromomethane

Concen: 21.482 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

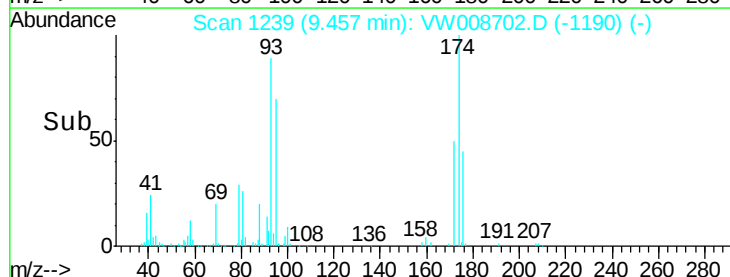
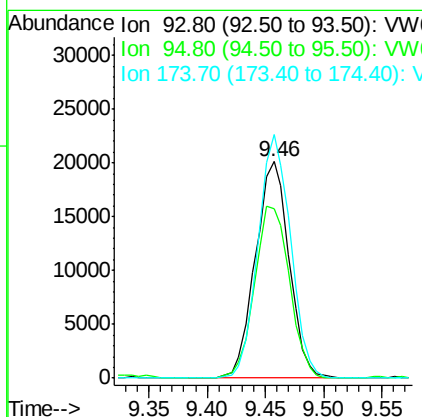
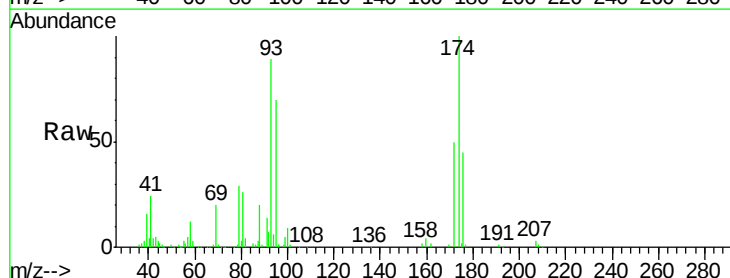
Tgt Ion: 93 Resp: 40420

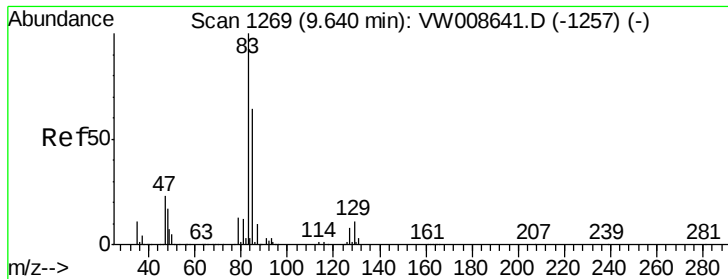
Ion Ratio Lower Upper

93 100

95 82.1 65.8 98.8

174 108.5 82.5 123.7





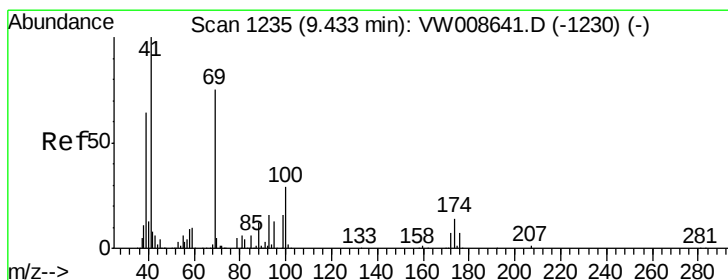
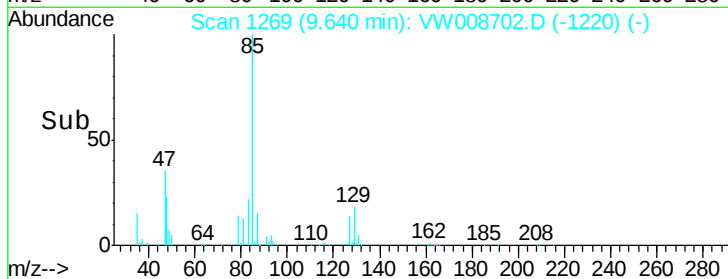
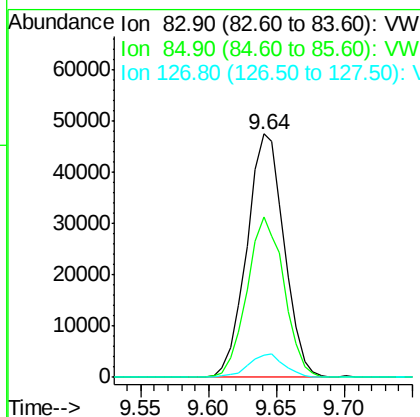
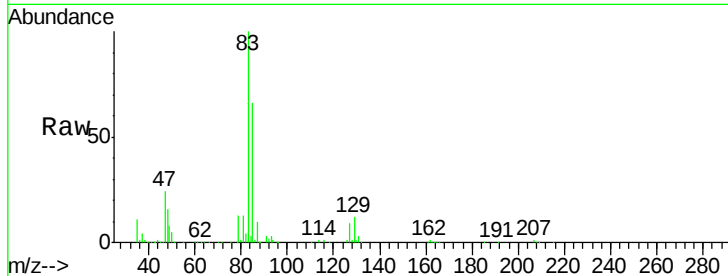
#47
 Bromodichloromethane
 Concen: 20.236 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.2	76.8
127	9.0	6.4	9.6

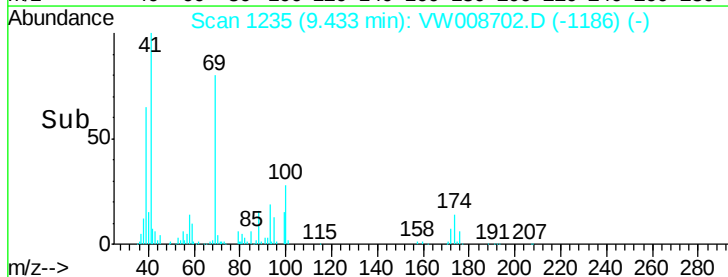
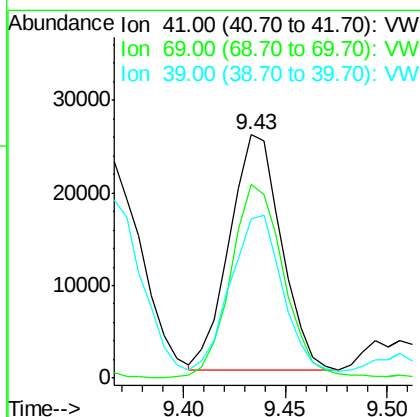
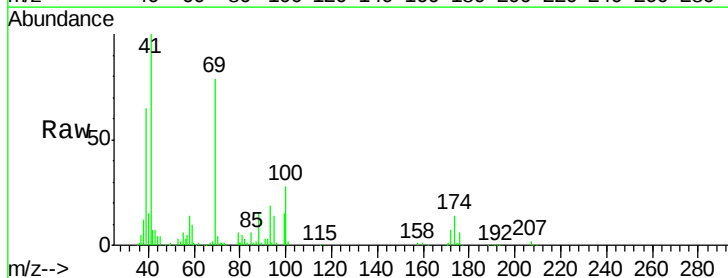
Manual Integrations
 APPROVED

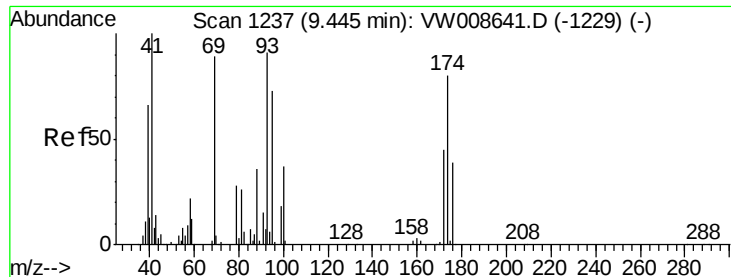
MMDadoda
 2/18/2019 2:34:48 PM



#48
 Methyl methacrylate
 Concen: 20.024 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.0	64.1	96.1
39	71.0	52.3	78.5





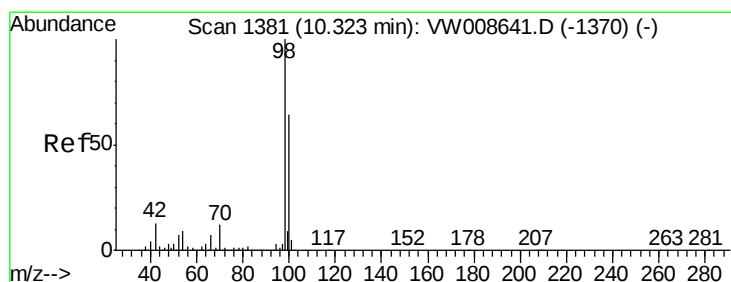
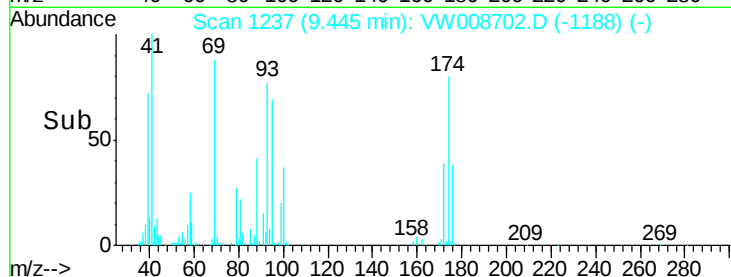
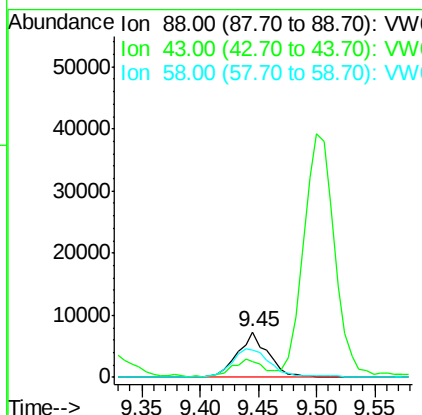
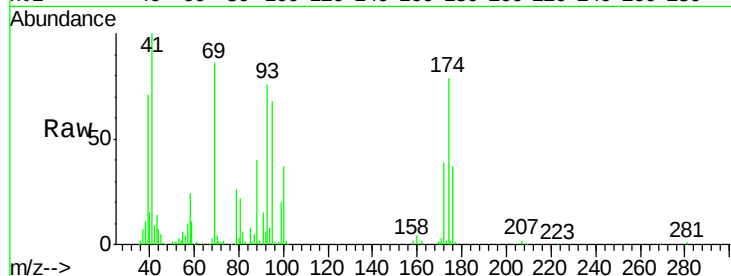
#49
1,4-Dioxane
Concen: 449.592 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	88	Resp	13503
Ion Ratio	Lower	Upper	
88	100		
43	38.9	31.0	46.6
58	76.2	57.0	85.6

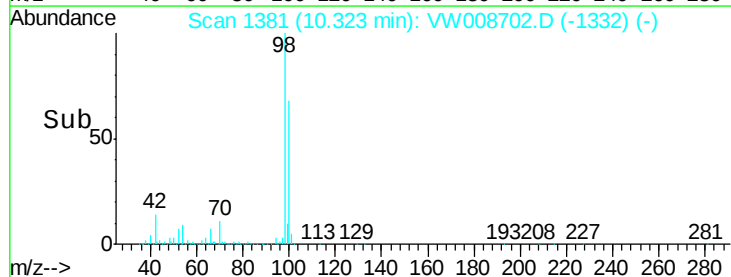
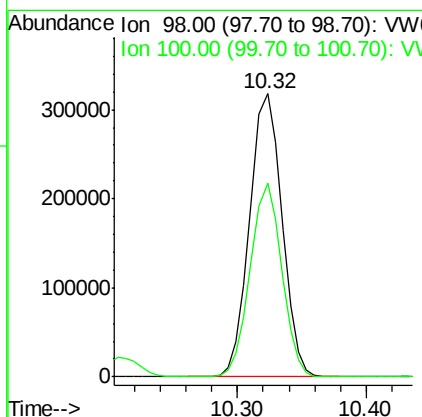
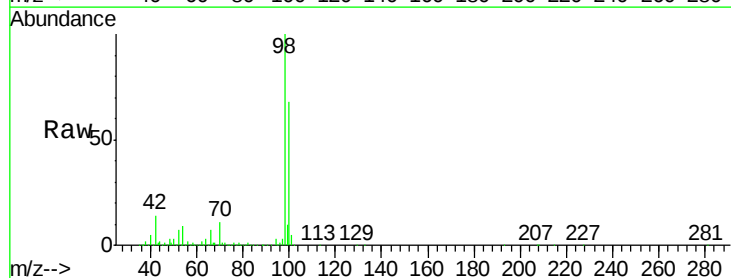
Manual Integrations
APPROVED

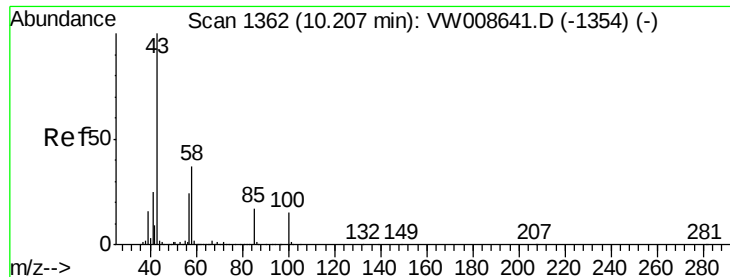
MMDadoda
2/18/2019 2:34:48 PM



#50
Toluene-d8
Concen: 45.989 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	98	Resp	553700
Ion Ratio	Lower	Upper	
98	100		
100	66.6	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 103.526 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 43 Resp: 258501

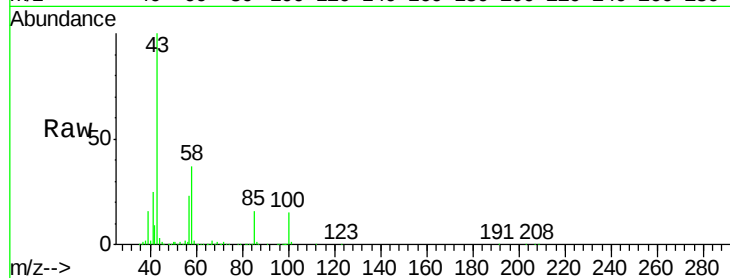
Ion Ratio Lower Upper

43 100

58 36.8 29.0 43.6

Manual Integrations
APPROVED

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

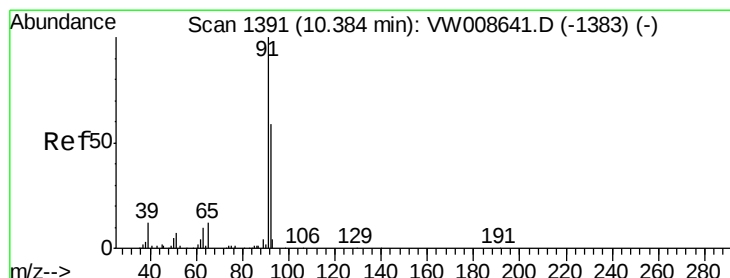
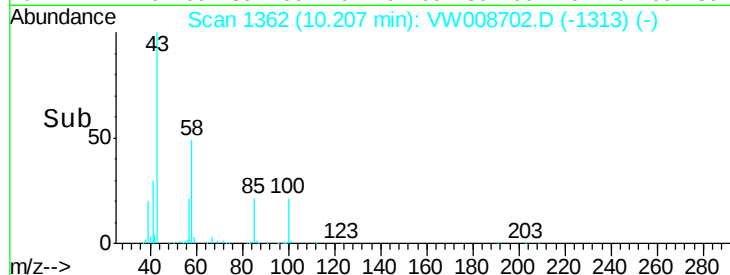
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.607 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008702.D

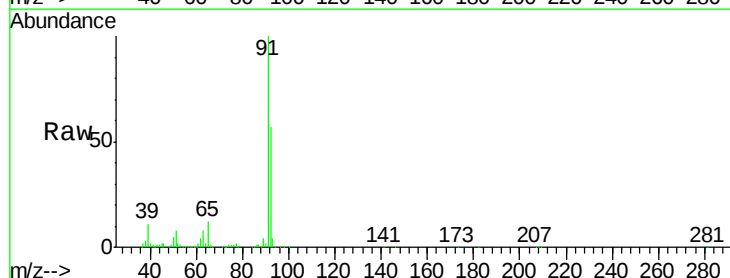
Acq: 16 Feb 2019 00:49

Tgt Ion: 92 Resp: 174574

Ion Ratio Lower Upper

92 100

91 170.6 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

200000

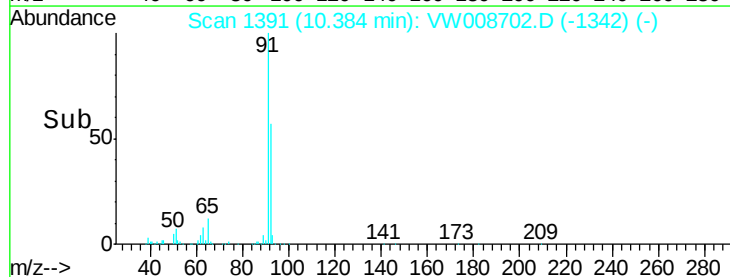
150000

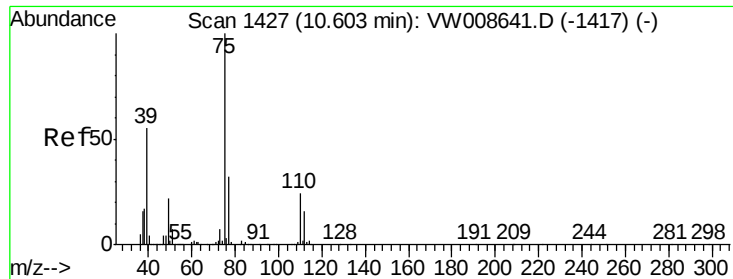
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.212 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 75 Resp: 86514

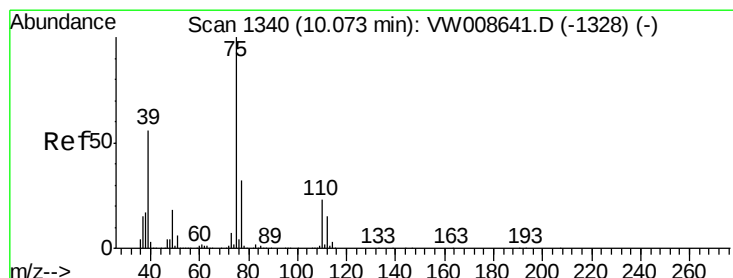
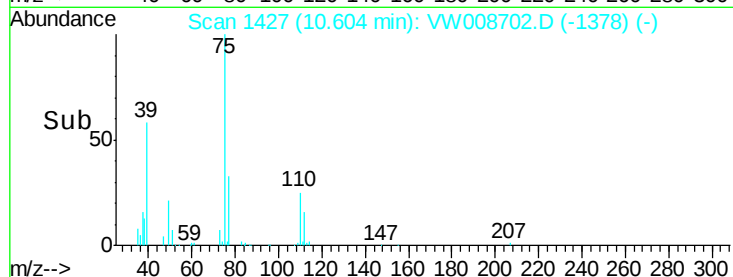
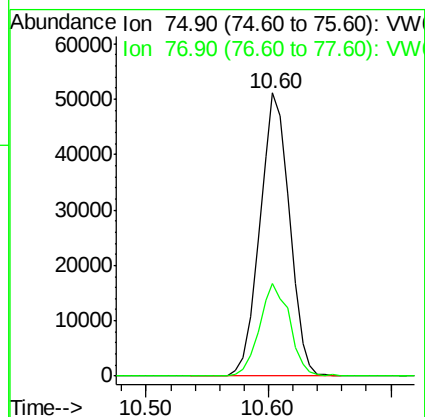
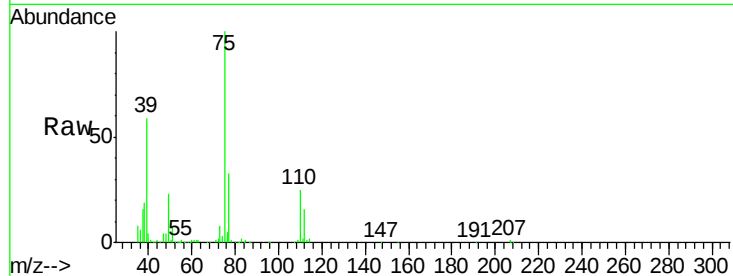
Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5

Manual Integrations
APPROVED

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2/18/2019 2:34:48 PM



#54

cis-1,3-Dichloropropene

Concen: 19.103 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

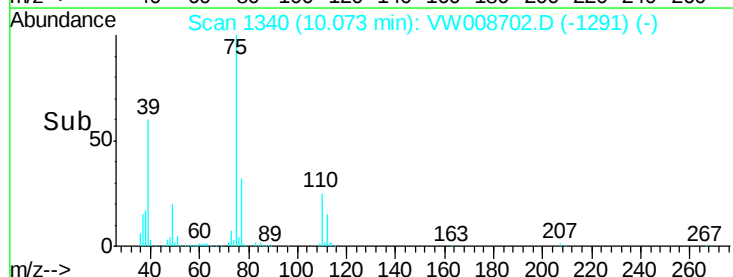
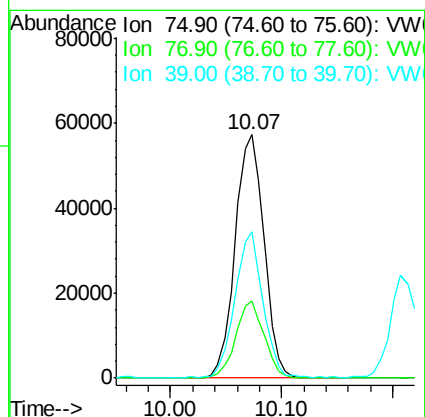
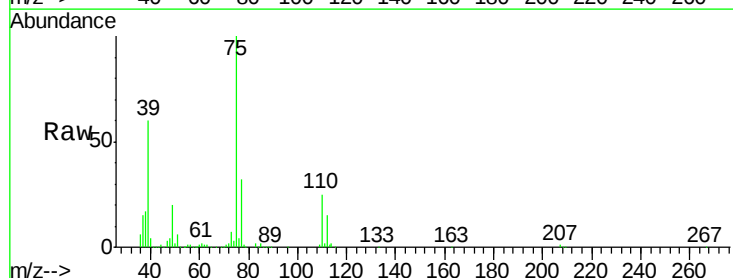
Tgt Ion: 75 Resp: 102869

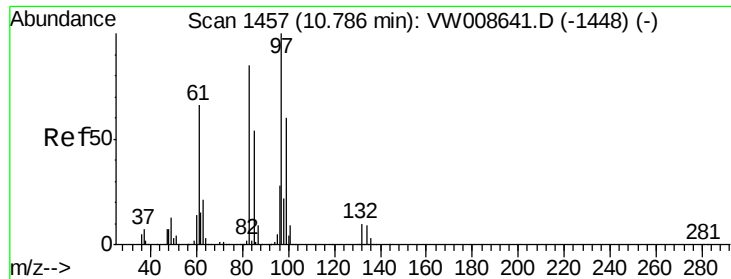
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 59.7 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 21.611 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

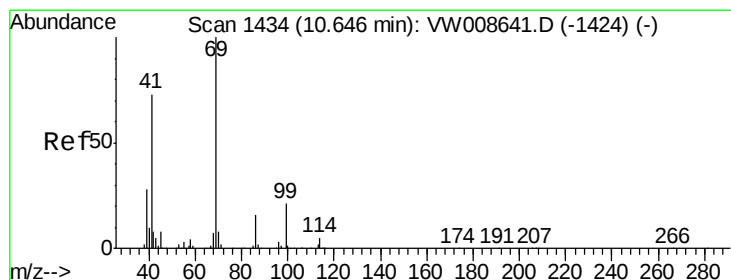
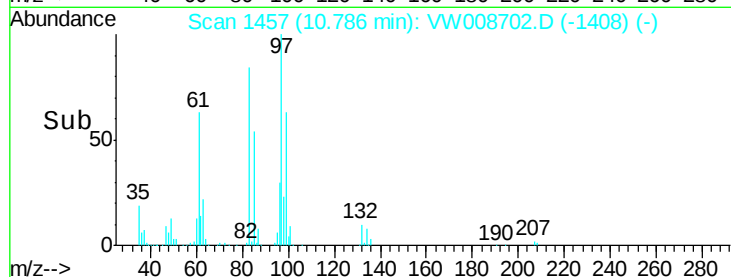
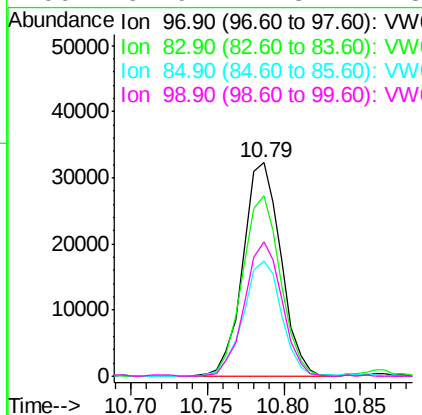
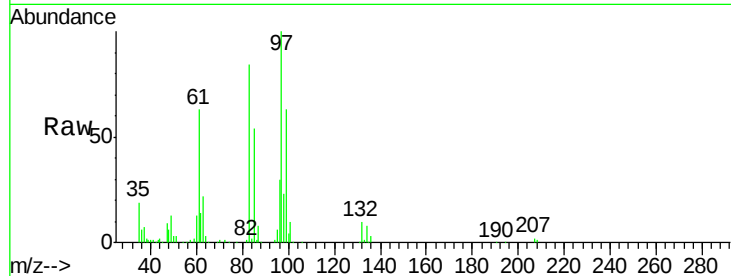
ClientSampled :

VW0215SBS02

Tot Ion:	97	Resp:	55793
Ion	Ratio	Lower	Upper
97	100		
83	84.3	68.4	102.6
85	53.8	43.1	64.7
99	62.9	47.8	71.8

Manual Integrations
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2/18/2019 2:34:48 PM



#56

Ethyl methacrylate

Concen: 20.608 ug/l

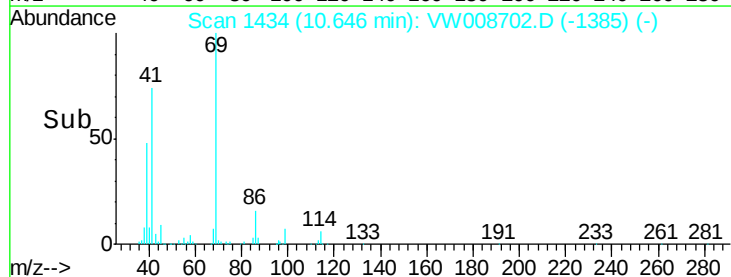
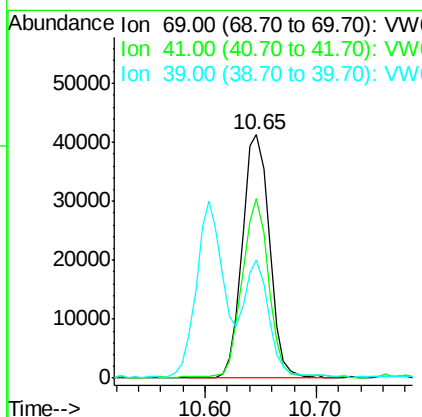
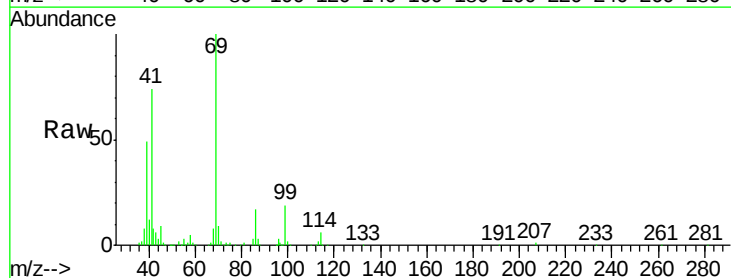
RT: 10.65 min Scan# 1434

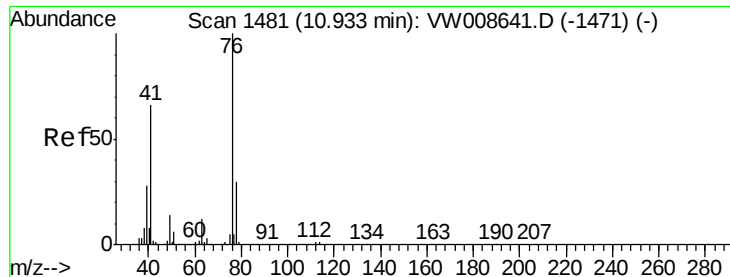
Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Tgt Ion:	69	Resp:	70647
Ion	Ratio	Lower	Upper
69	100		
41	71.1	59.0	88.4
39	42.9	34.4	51.6





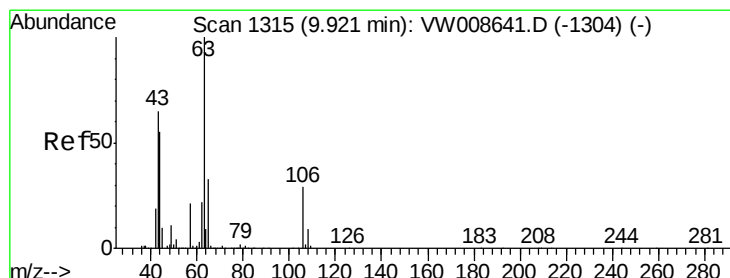
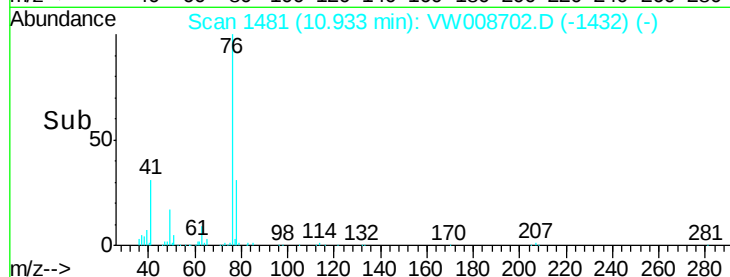
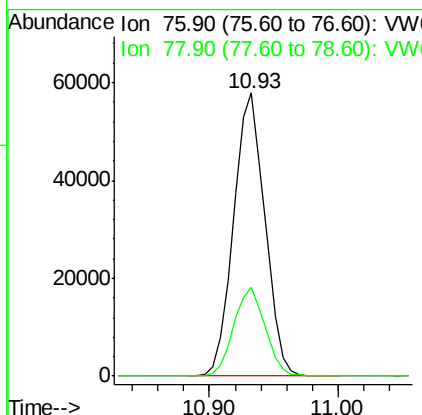
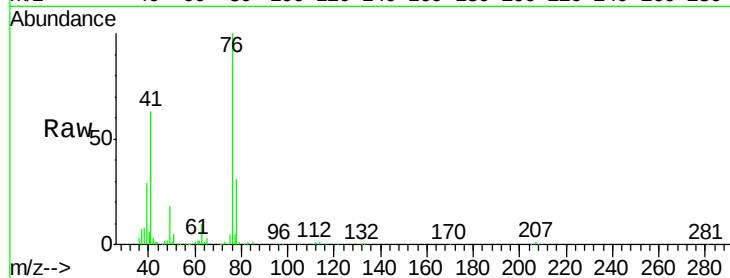
#57
 1,3-Dichloropropane
 Concen: 21.327 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.4	38.0

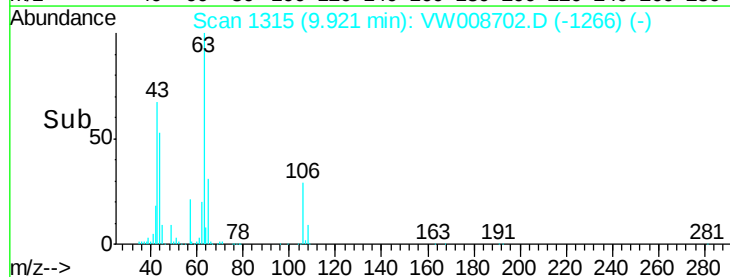
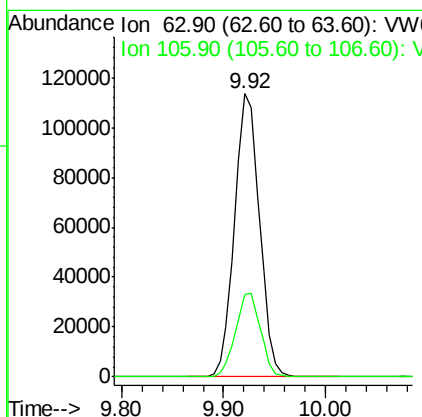
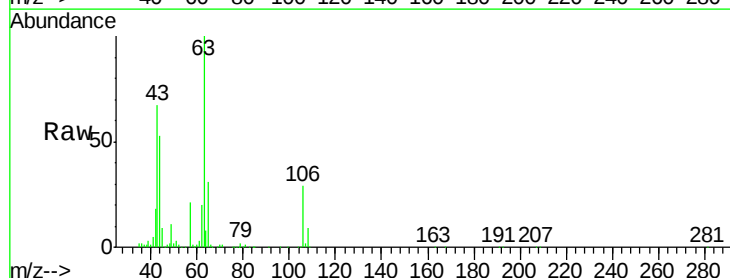
Manual Integrations
 APPROVED

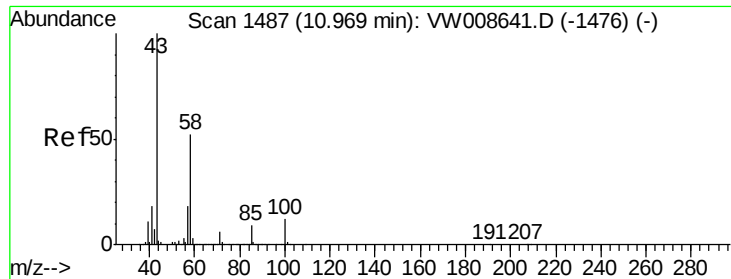
MMDadoda
 2/18/2019 2:34:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.312 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.4	35.2





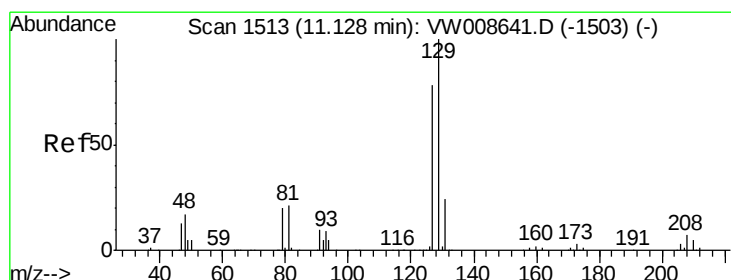
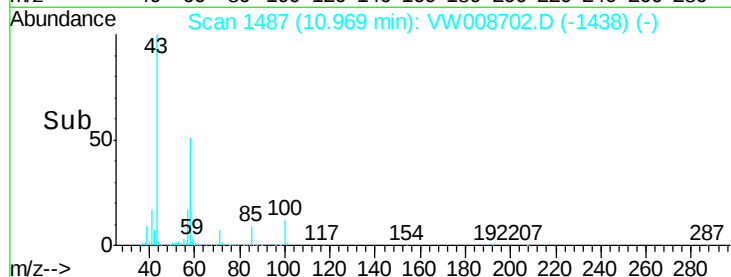
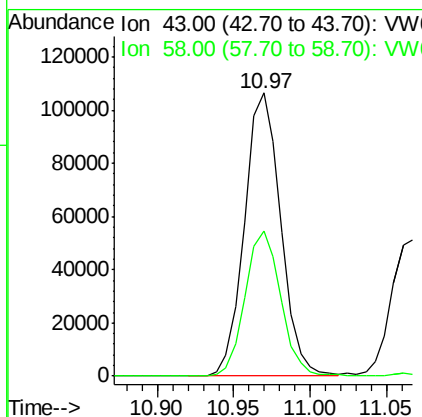
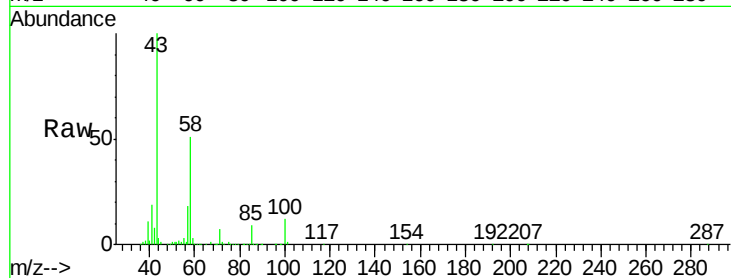
#59
2-Hexanone
Concen: 99.694 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion: 43 Resp: 174875
Ion Ratio Lower Upper
43 100
58 50.8 25.6 76.6

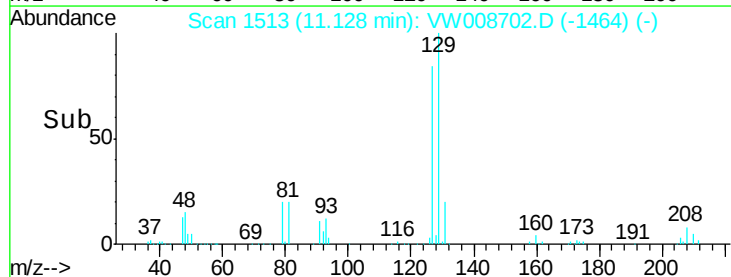
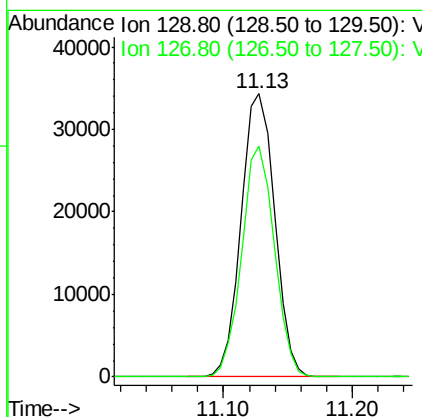
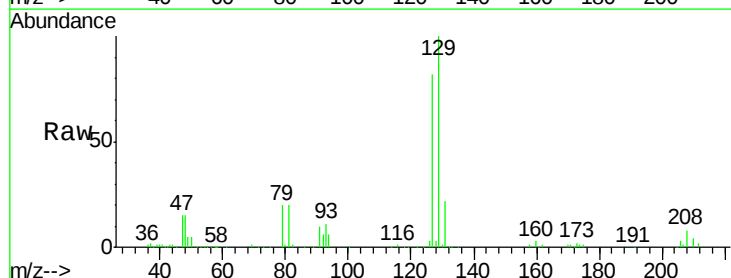
Manual Integrations
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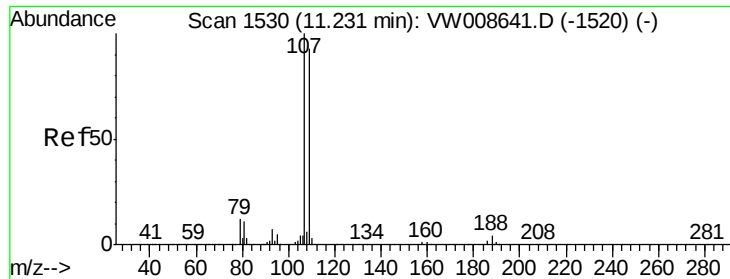
MMDadoda
2/18/2019 2:34:48 PM



#60
Dibromochloromethane
Concen: 20.100 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion: 129 Resp: 62090
Ion Ratio Lower Upper
129 100
127 79.2 38.5 115.3





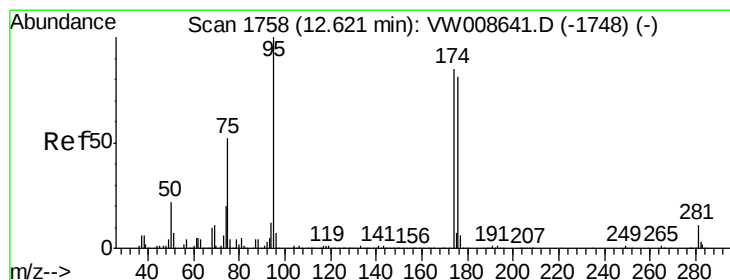
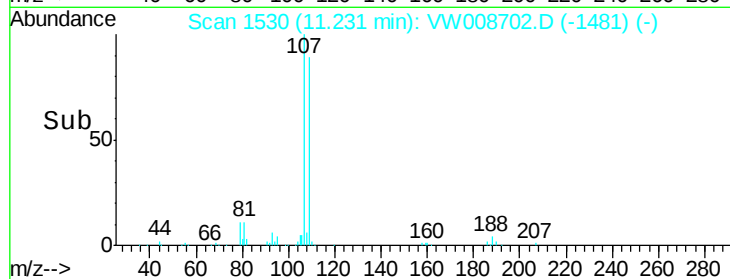
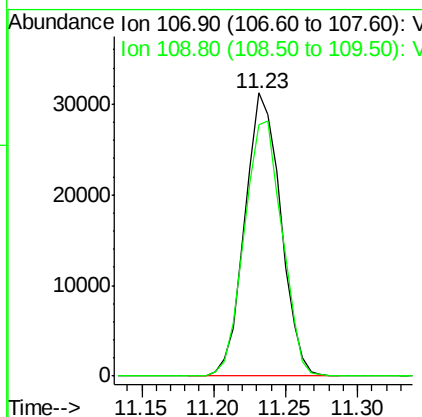
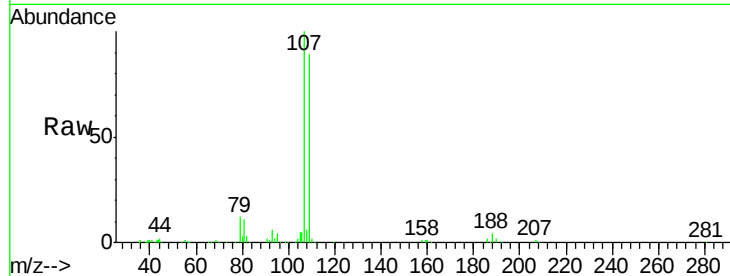
#61
 1,2-Dibromoethane
 Concen: 21.150 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.8	112.2

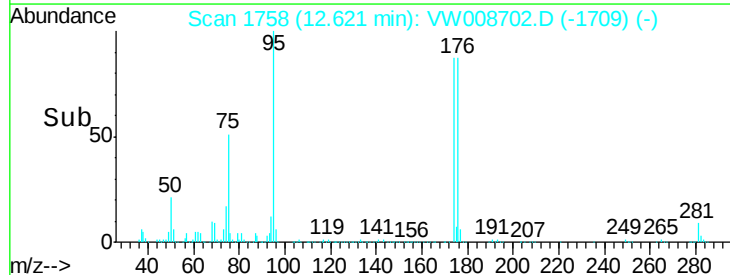
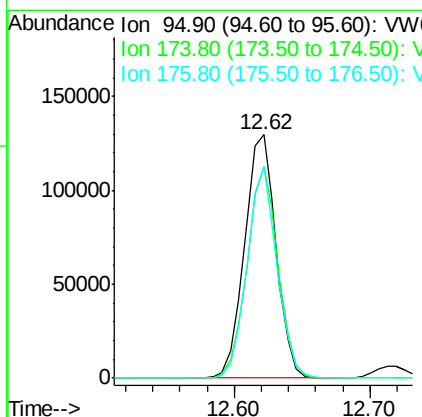
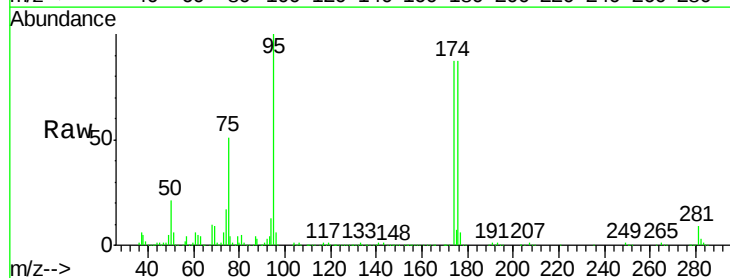
Manual Integrations
 APPROVED

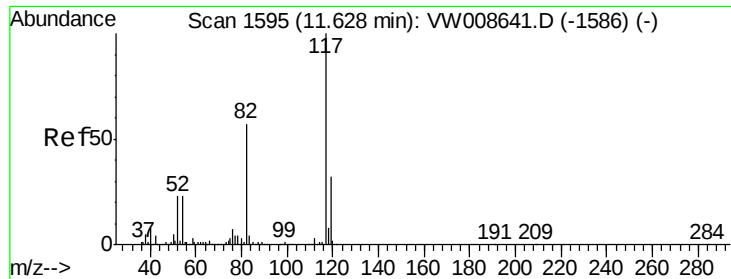
MMDadoda
 2/18/2019 2:34:48 PM



#62
 4-Bromofluorobenzene
 Concen: 45.978 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	163.2
176	82.7	0.0	158.0





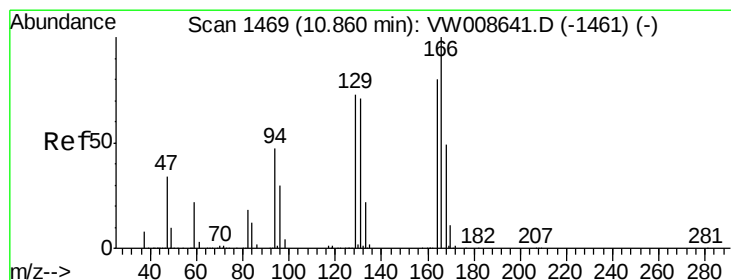
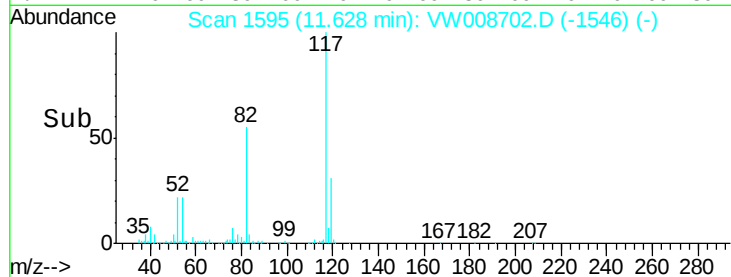
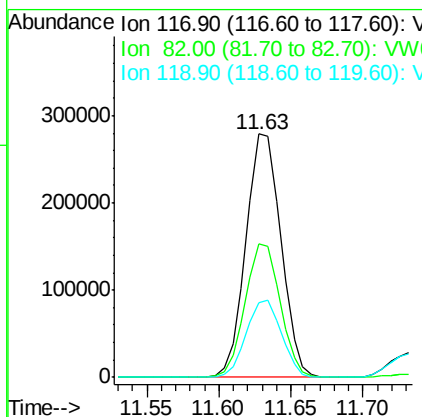
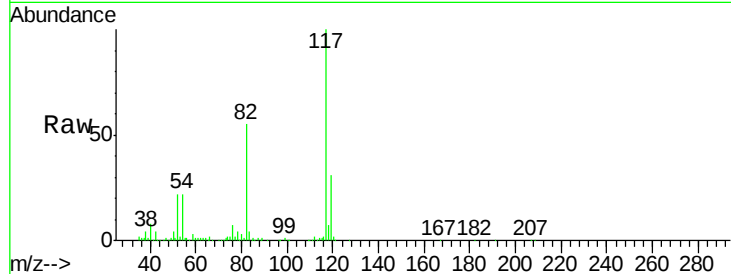
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.6	68.4
119	30.5	25.7	38.5

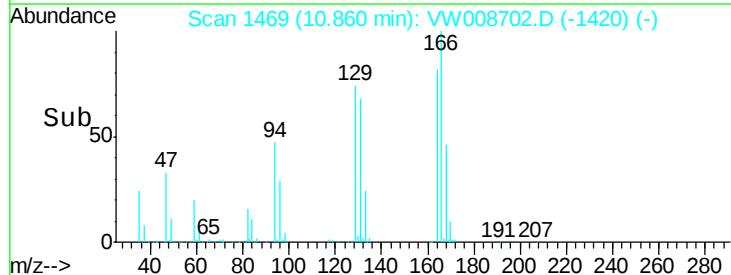
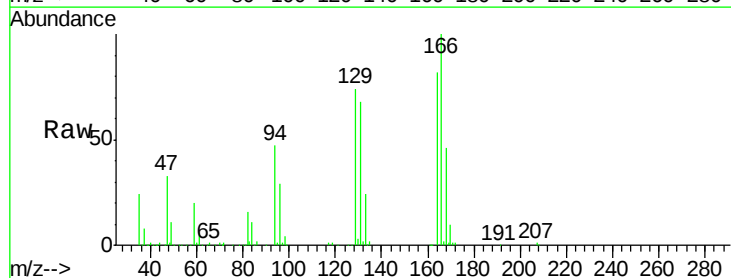
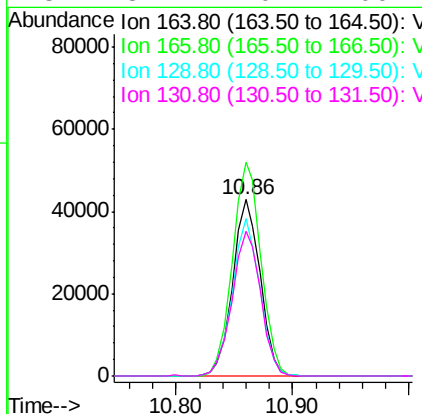
Manual Integrations
APPROVED

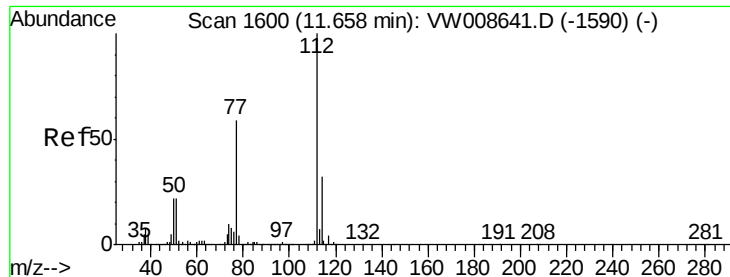
MMDadoda
2/18/2019 2:34:48 PM



#64
Tetrachloroethene
Concen: 20.202 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	100.2	150.2
129	89.4	73.6	110.4
131	82.4	70.7	106.1





#65

Chlorobenzene

Concen: 19.313 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion:112 Resp: 195352

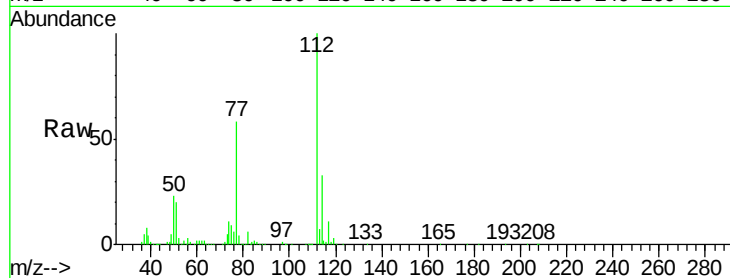
Ion Ratio Lower Upper

112 100

114 32.6 25.7 38.5

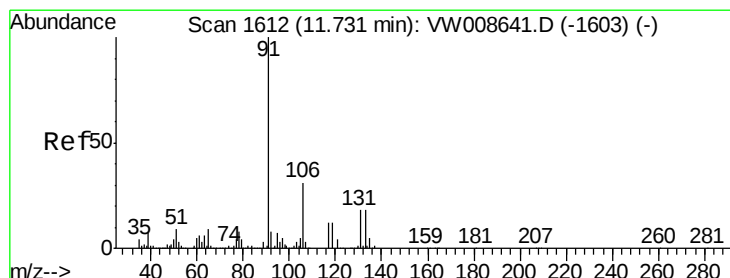
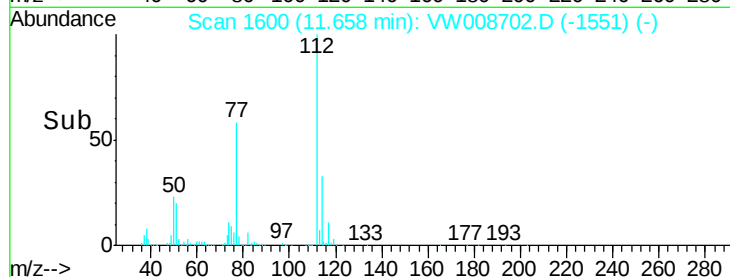
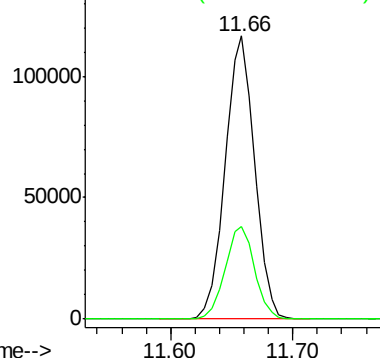
Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:48 PM



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: 19.108 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

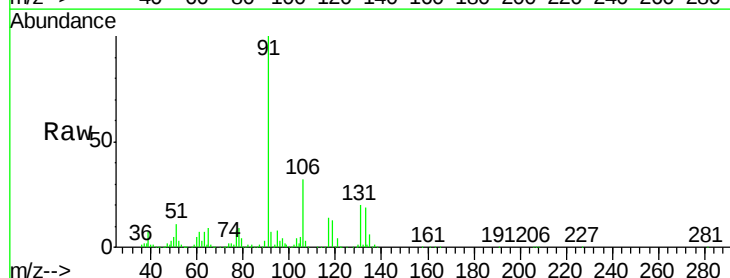
Tgt Ion:131 Resp: 68469

Ion Ratio Lower Upper

131 100

133 98.1 47.8 143.4

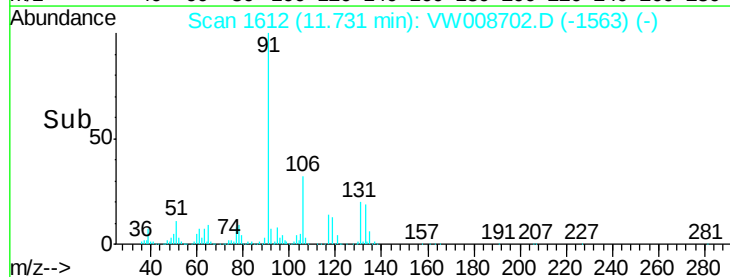
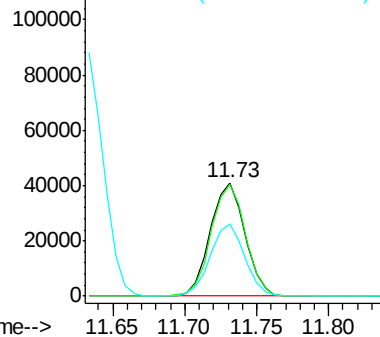
119 63.1 31.6 94.8

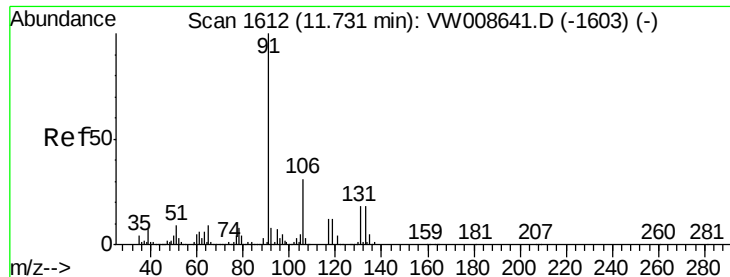


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





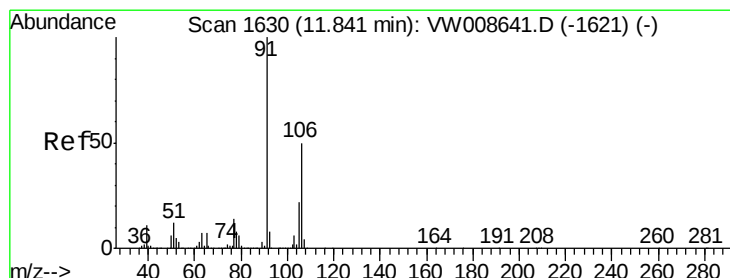
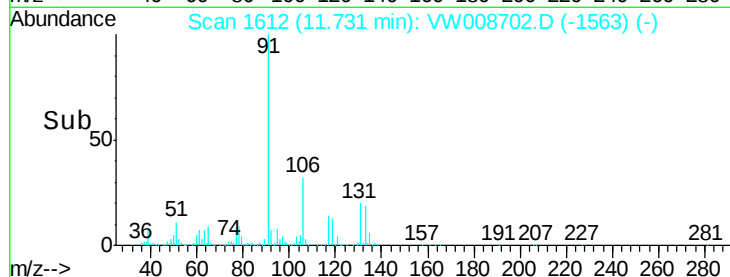
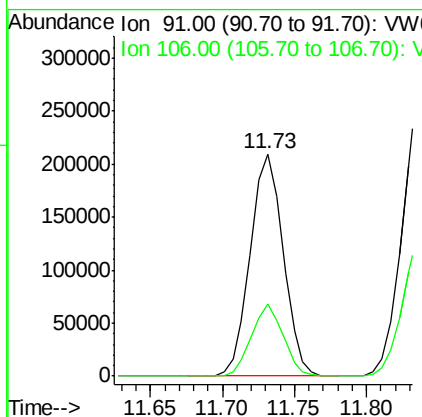
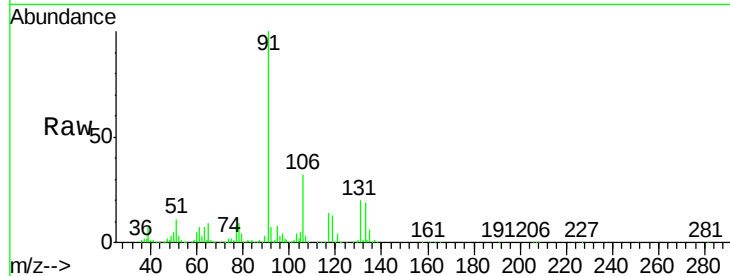
#67
Ethyl Benzene
Concen: 18.412 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.4	24.5	36.7

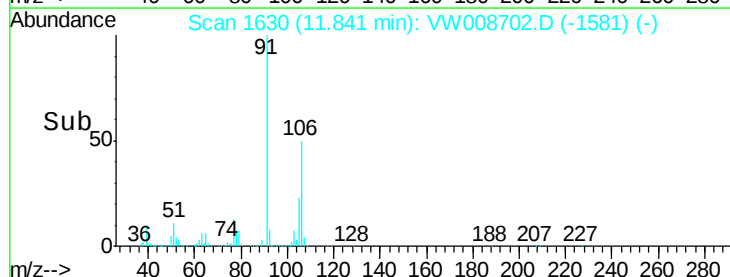
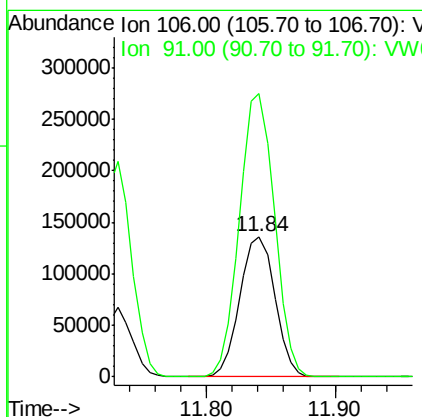
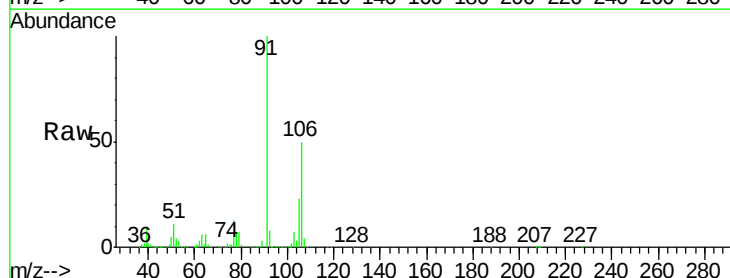
Manual Integrations
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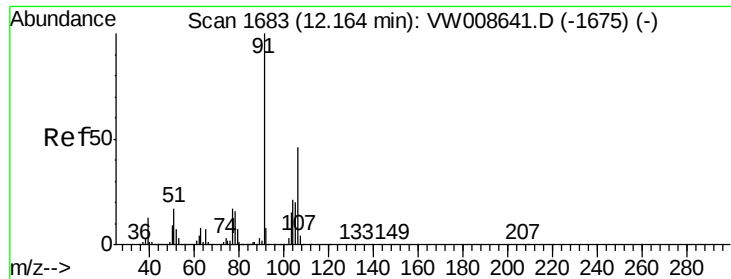
MMDadoda
2/18/2019 2:34:48 PM



#68
m/p-Xylenes
Concen: 36.614 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.6	161.0	241.4





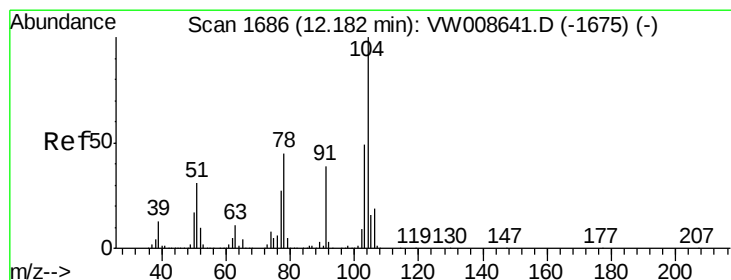
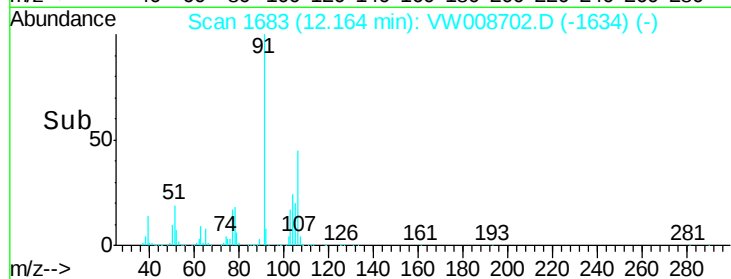
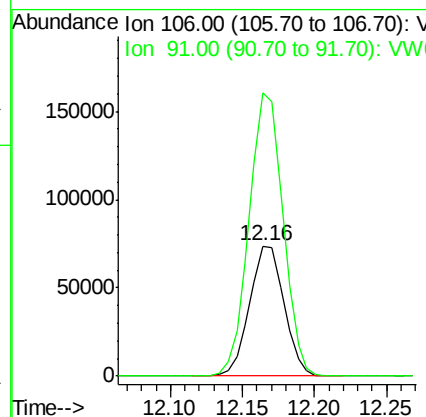
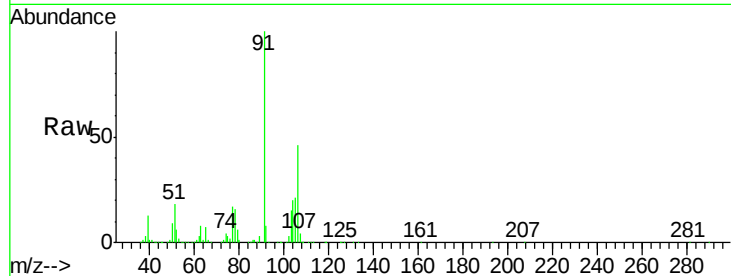
#69
o-Xylene
Concen: 18.356 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	121642		
91	215.9	106.7	320.1	

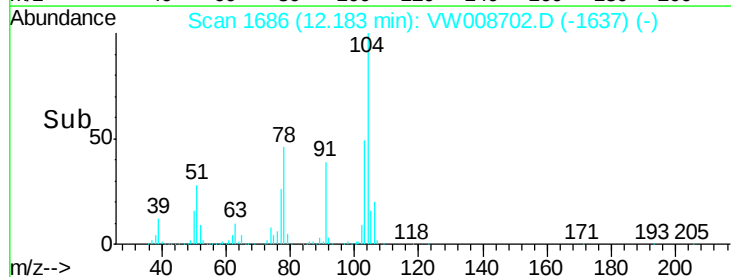
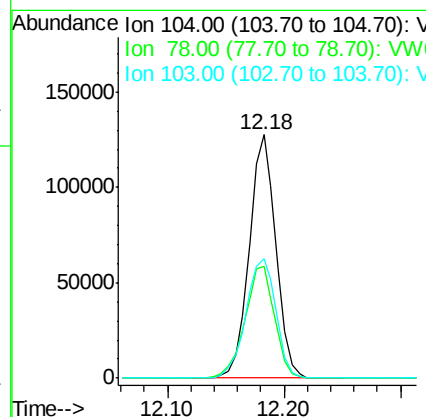
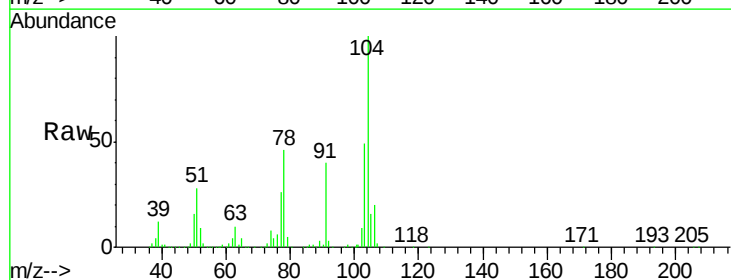
Manual Integrations
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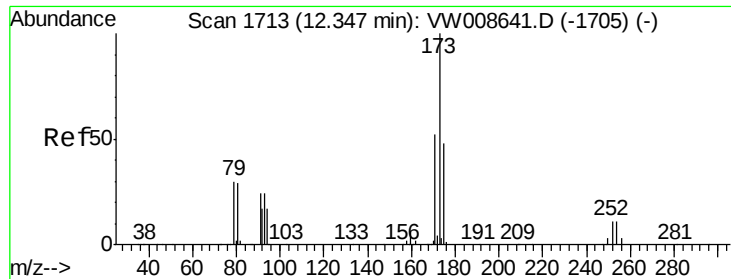
MMDadoda
2/18/2019 2:34:48 PM



#70
Styrene
Concen: 18.728 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	202708		
78	51.2	41.5	62.3	
103	55.7	43.5	65.3	





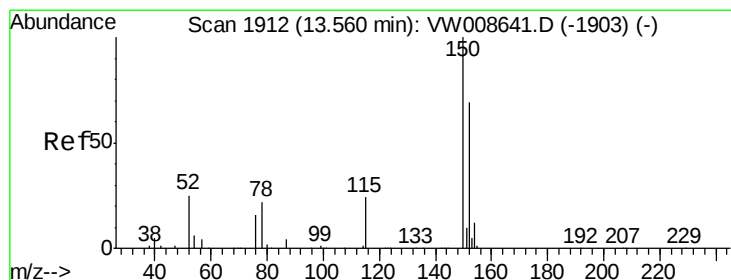
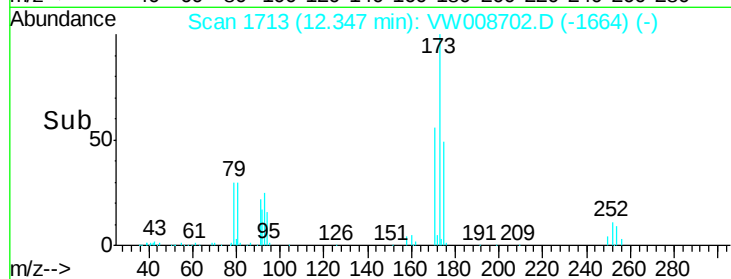
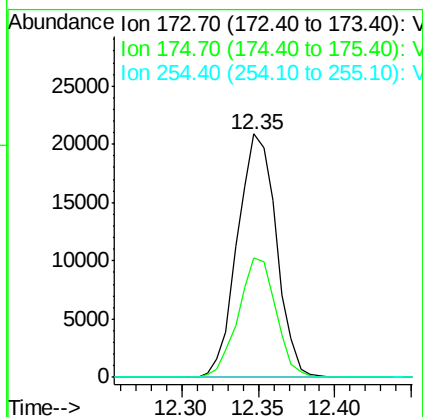
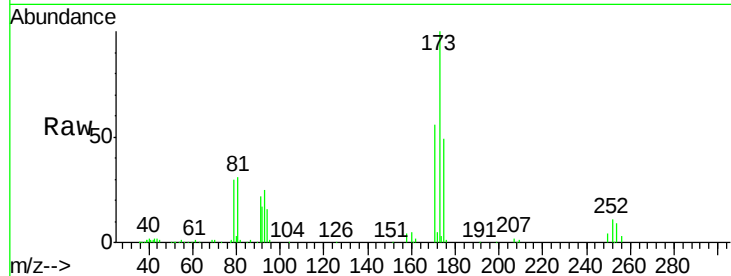
#71
Bromoform
Concen: 19.080 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.9	74.7
254	0.0	0.1	0.1#

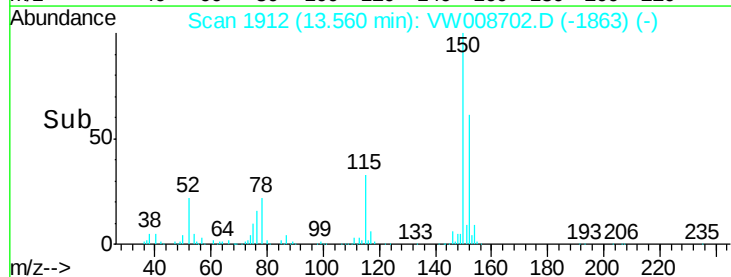
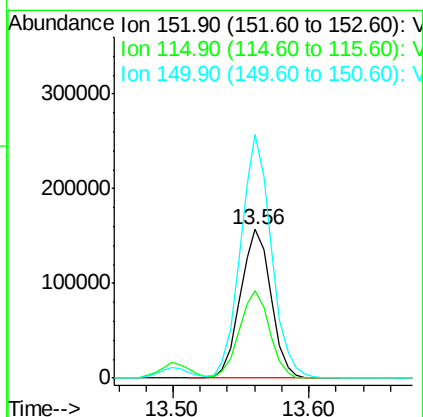
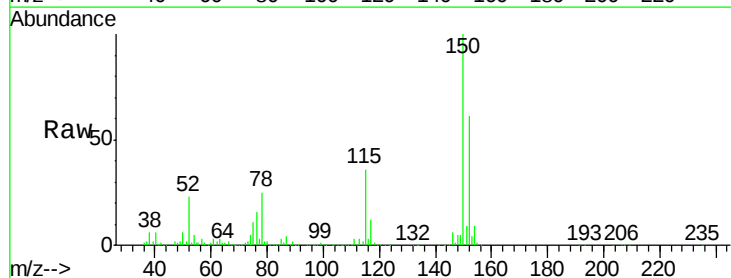
Manual Integrations
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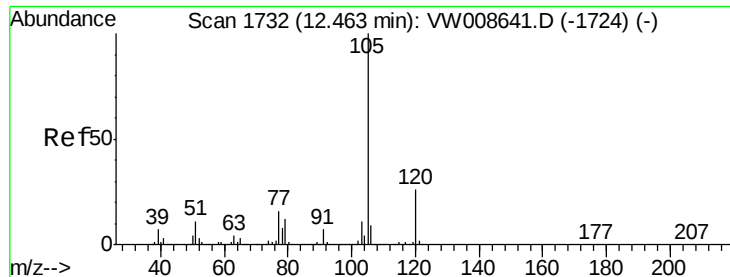
MMDadoda
2/18/2019 2:34:48 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.3	87.8
150	164.4	0.0	352.8





#73

Isopropylbenzene

Concen: 17.913 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion:105 Resp: 328806

Ion Ratio Lower Upper

105 100

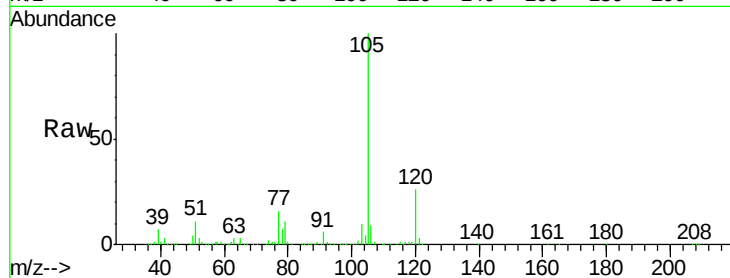
120 26.6 13.2 39.6

Manual Integrations

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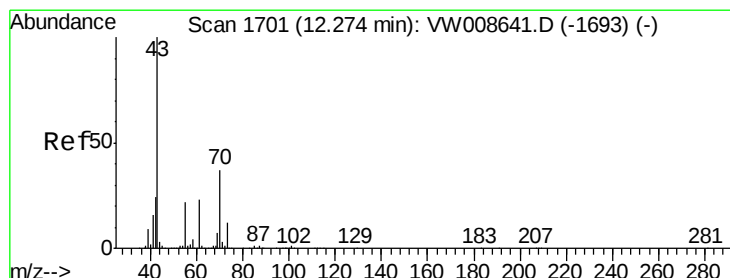
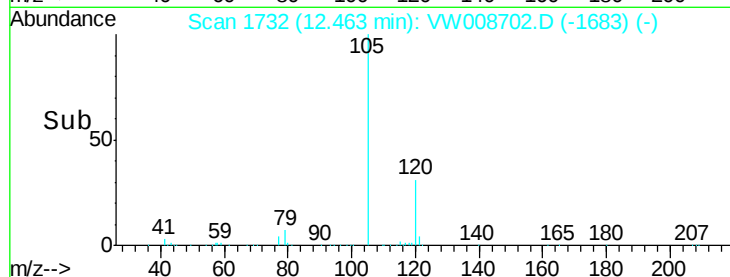
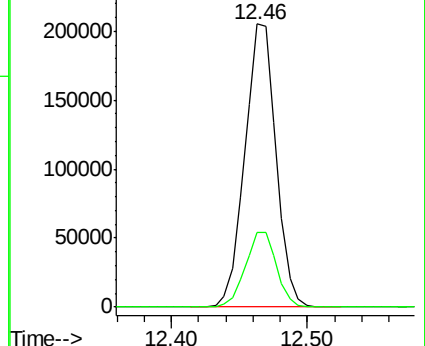
MMDadoda

2/18/2019 2:34:48 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.641 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Tgt Ion: 43 Resp: 92531

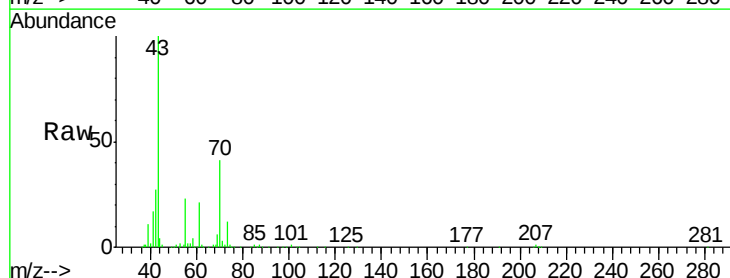
Ion Ratio Lower Upper

43 100

70 39.5 30.5 45.7

55 22.7 17.6 26.4

61 21.7 17.9 26.9

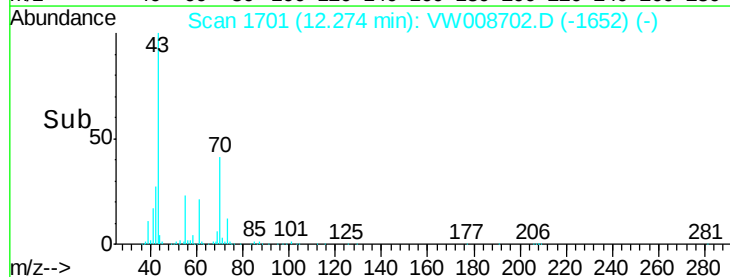
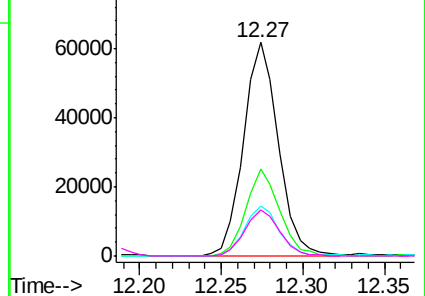


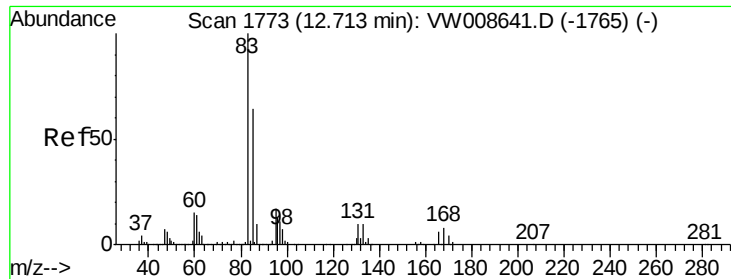
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.231 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 83 Resp: 64612

Ion Ratio Lower Upper

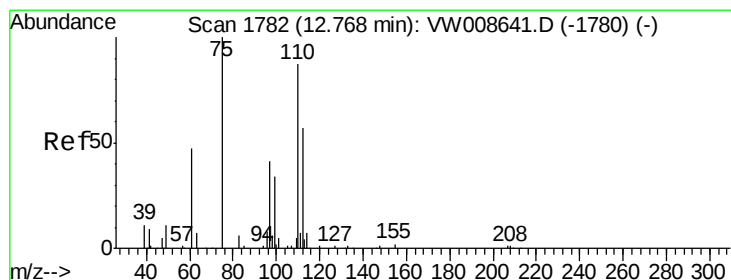
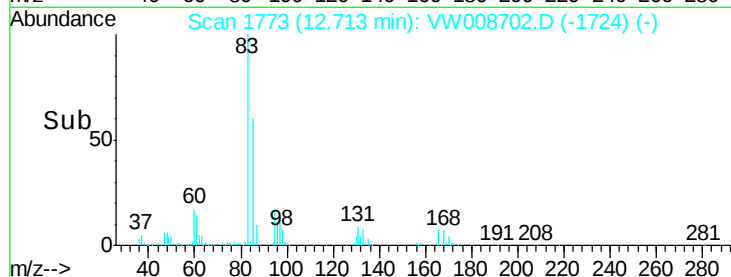
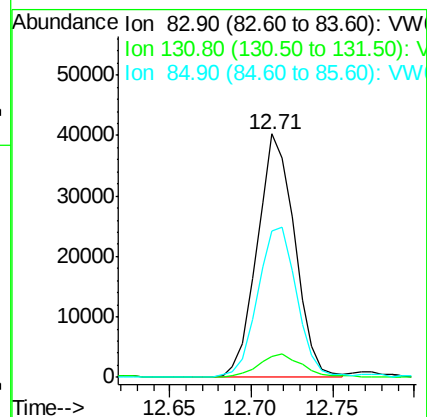
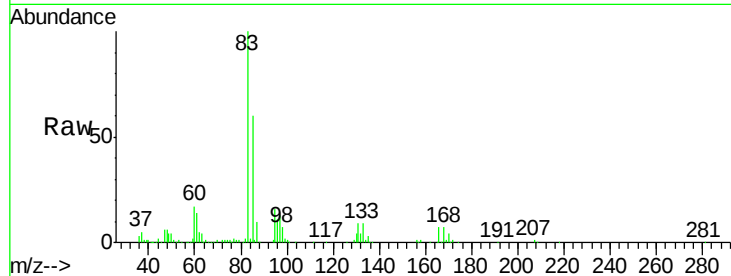
83 100

131 11.3 5.5 16.7

85 64.4 31.8 95.3

Manual Integrations
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MMDadoda
2/18/2019 2:34:48 PM



#76

1,2,3-Trichloropropane

Concen: 19.353 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008702.D

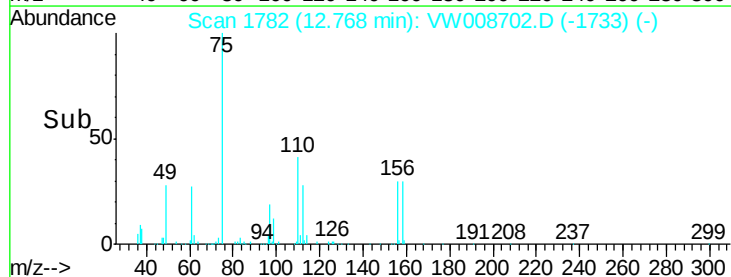
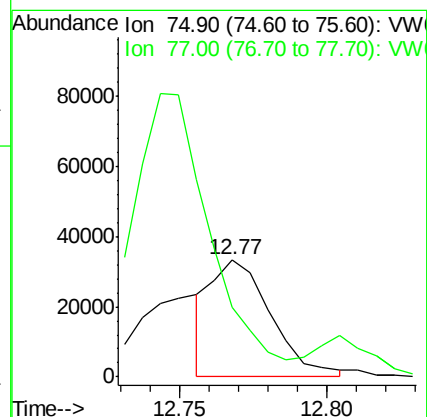
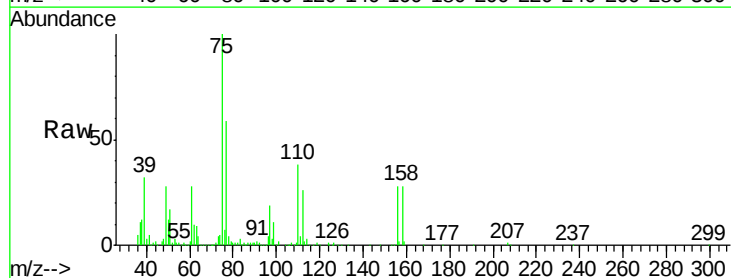
Acq: 16 Feb 2019 00:49

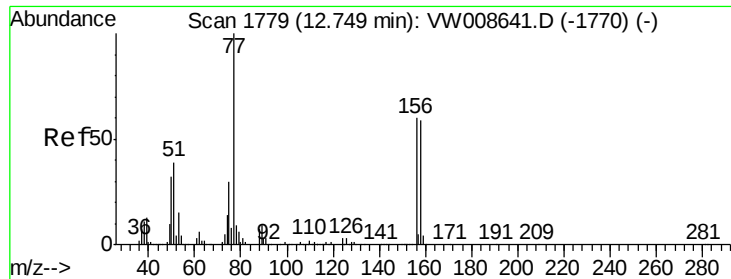
Tgt Ion: 75 Resp: 47094

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.870 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

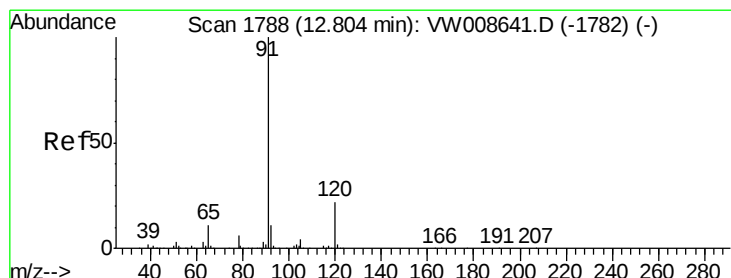
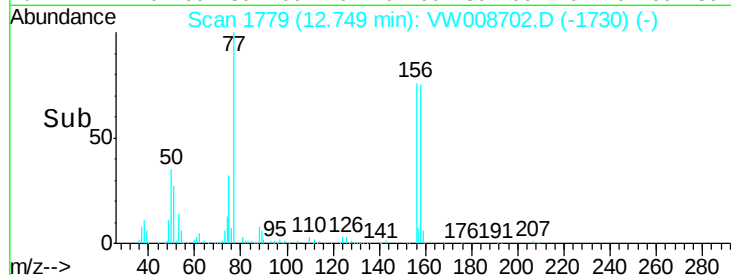
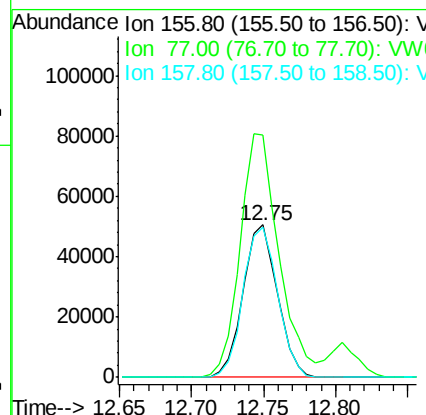
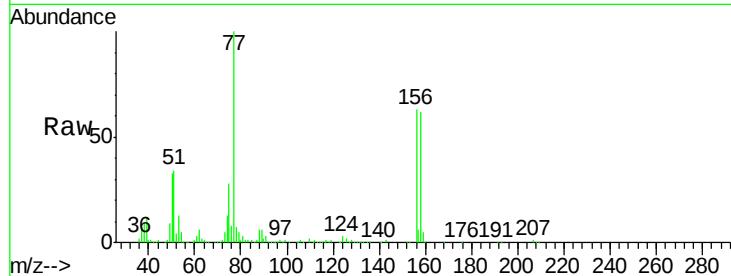
ClientSampleId :

VW0215SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.2	93.2	279.5
158	99.0	48.5	145.5

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#78

n-propylbenzene

Concen: 17.886 ug/l

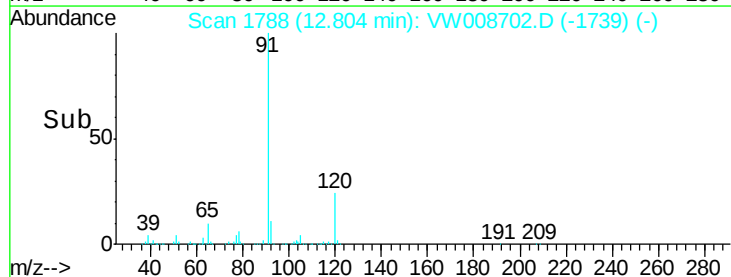
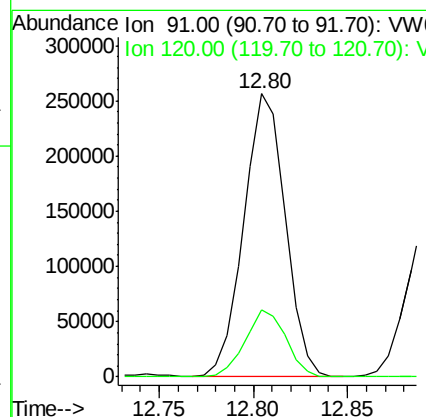
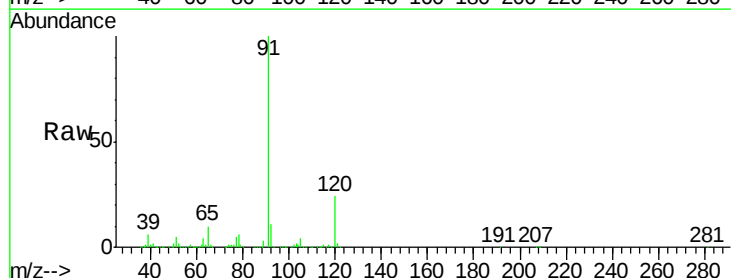
RT: 12.80 min Scan# 1788

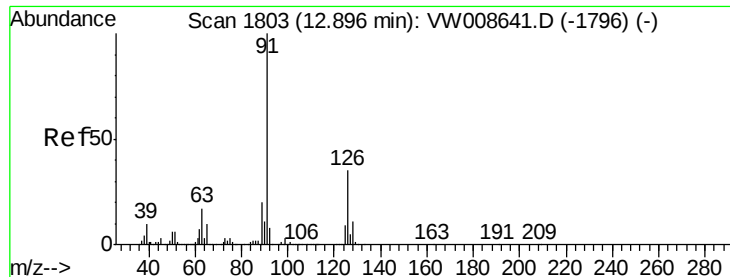
Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.2





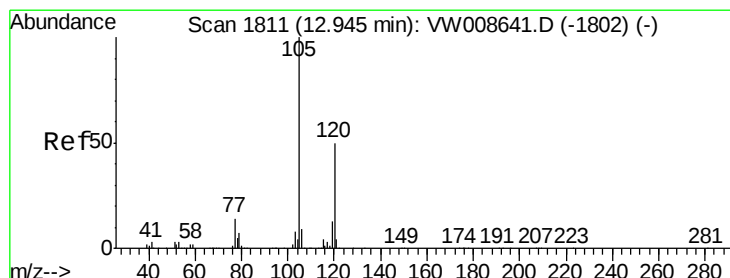
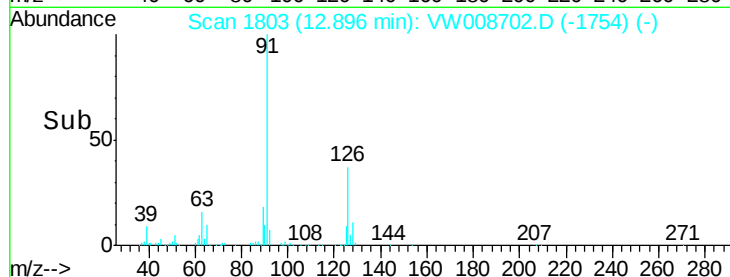
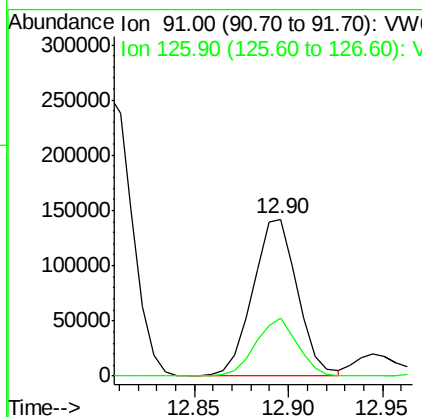
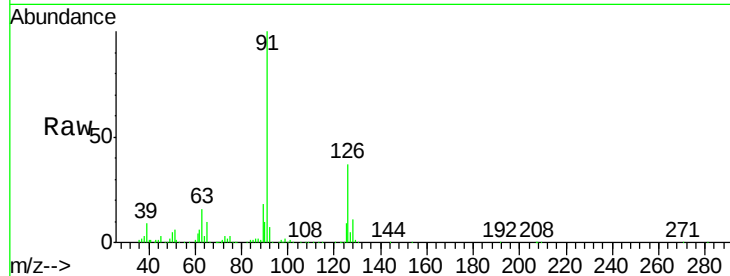
#79
 2-Chlorotoluene
 Concen: 18.911 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion: 91 Resp: 233104
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.0 50.9

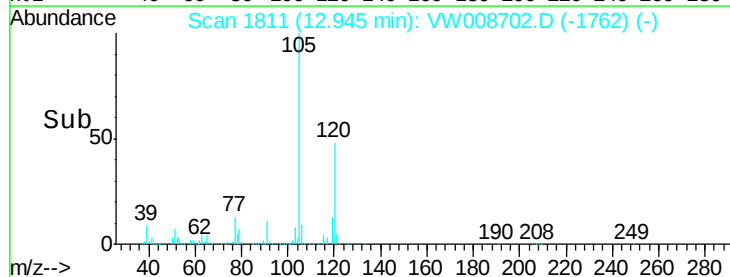
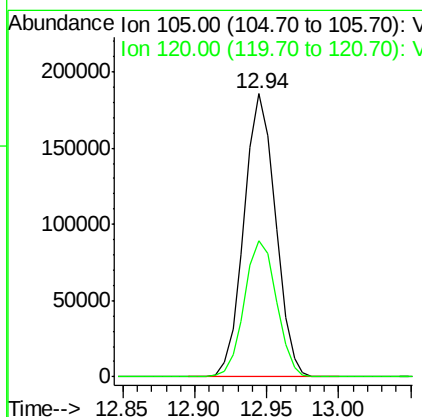
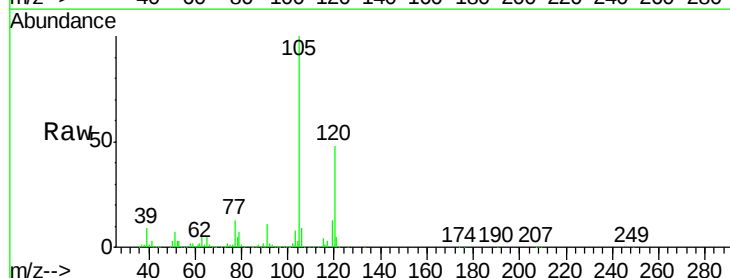
Manual Integrations
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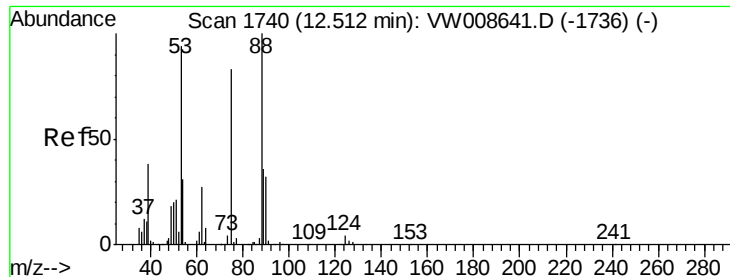
MMDadoda
 2/18/2019 2:34:48 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.410 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Tgt Ion: 105 Resp: 280699
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.8





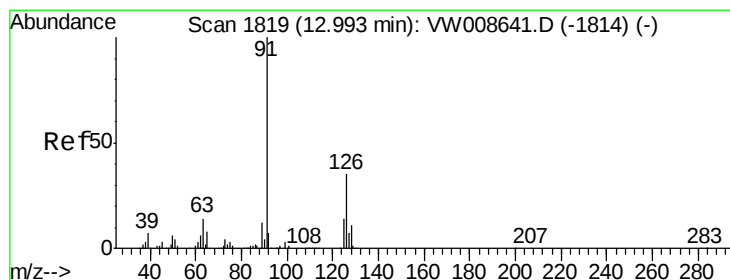
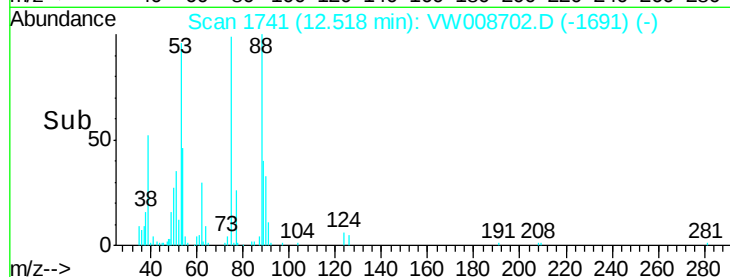
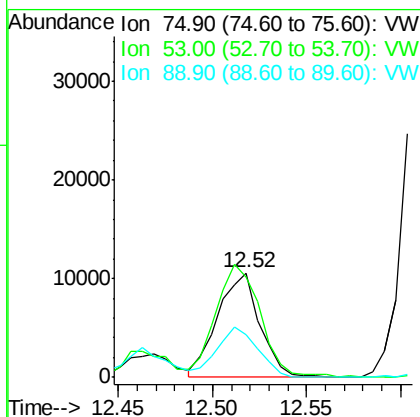
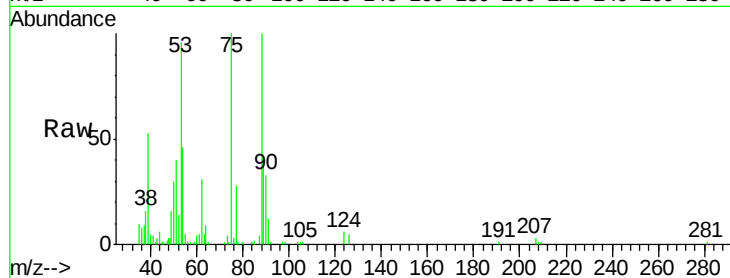
#81
trans-1,4-Dichloro-2-butene
Concen: 16.705 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.0	87.4	131.0
89	47.2	37.0	55.4

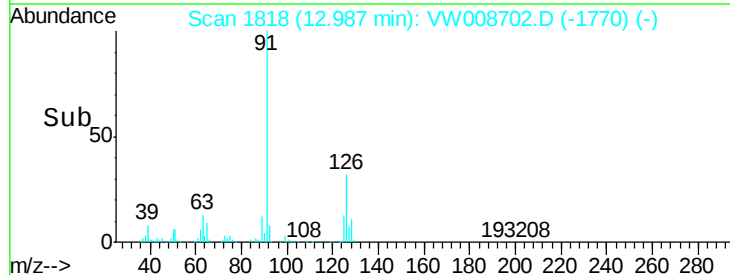
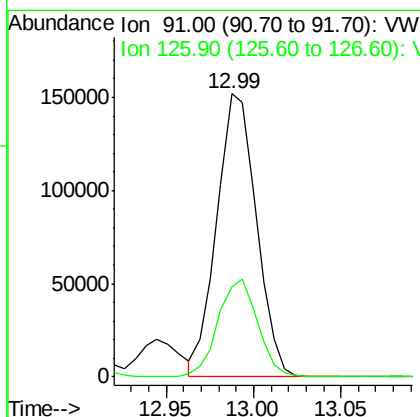
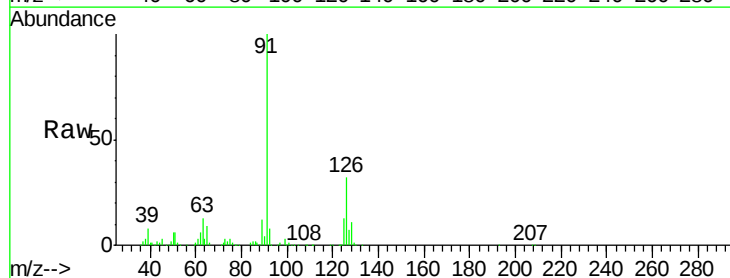
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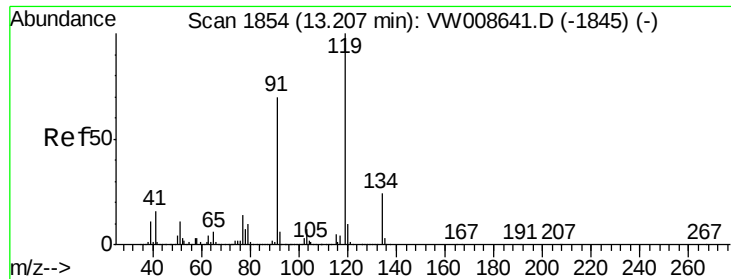
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.378 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.9	50.7





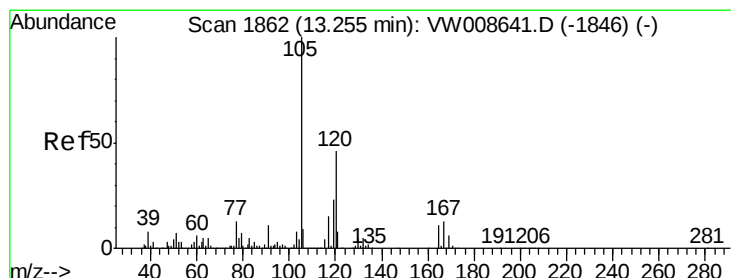
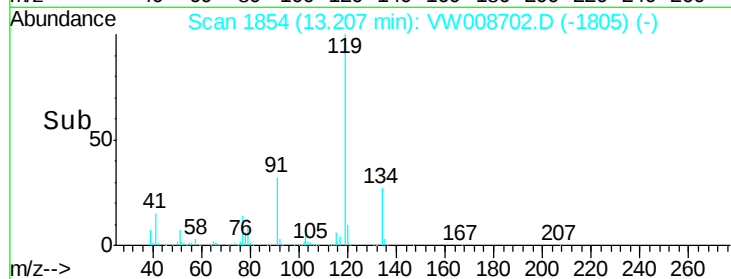
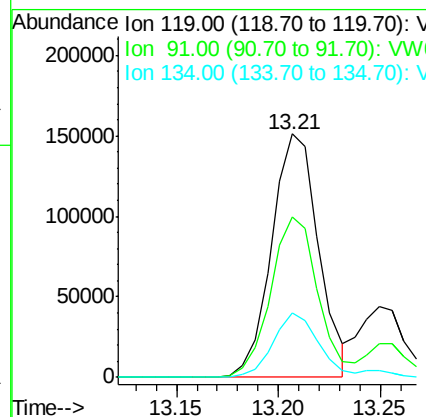
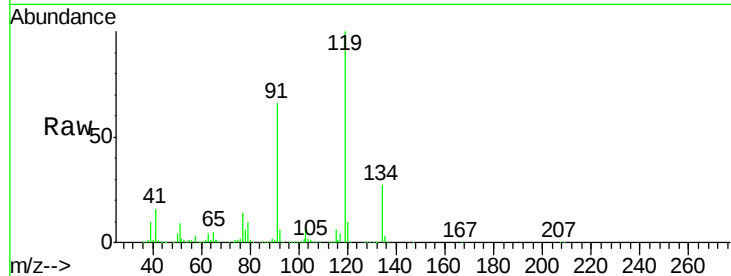
#83
tert-Butylbenzene
Concen: 18.279 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.0	102.0
134	25.7	13.6	40.8

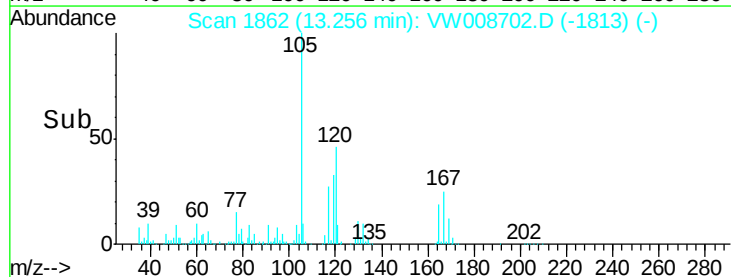
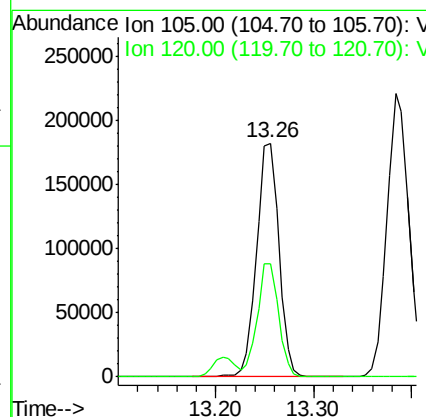
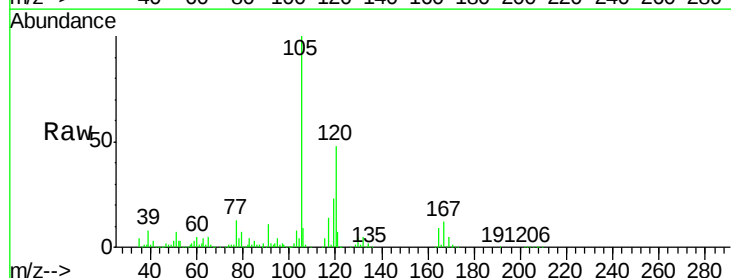
Manual Integrations
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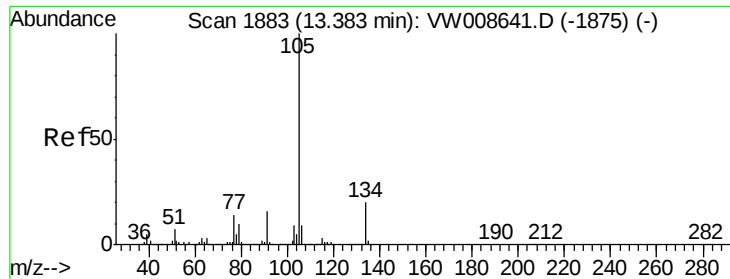
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.577 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.8





#85

sec-Butylbenzene

Concen: 17.704 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion:105 Resp: 341283

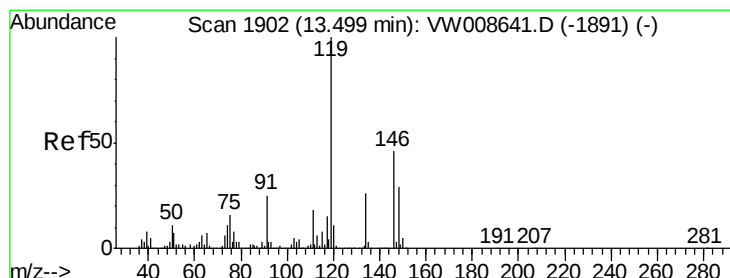
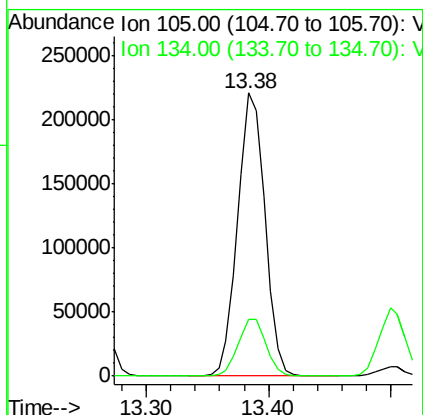
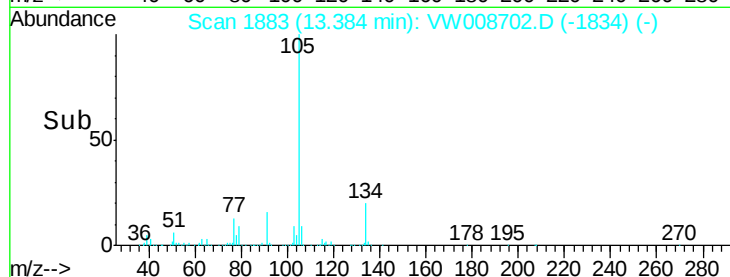
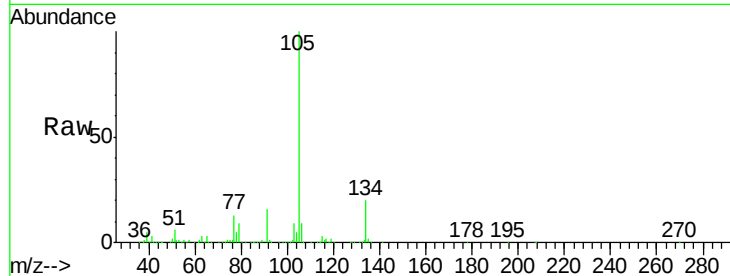
Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 17.907 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

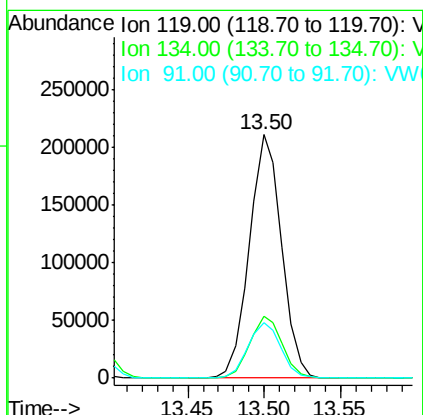
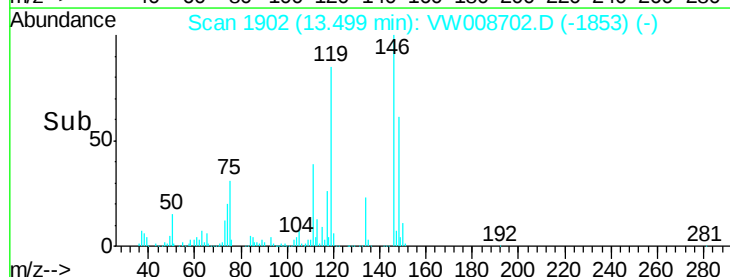
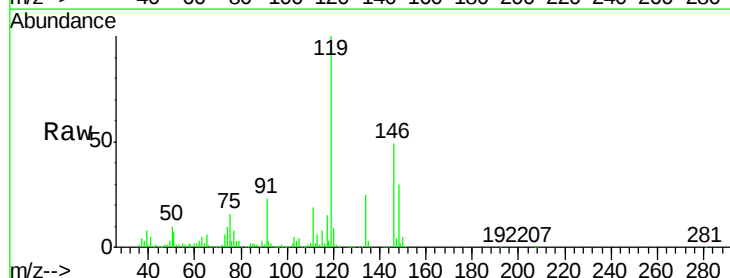
Tgt Ion:119 Resp: 308810

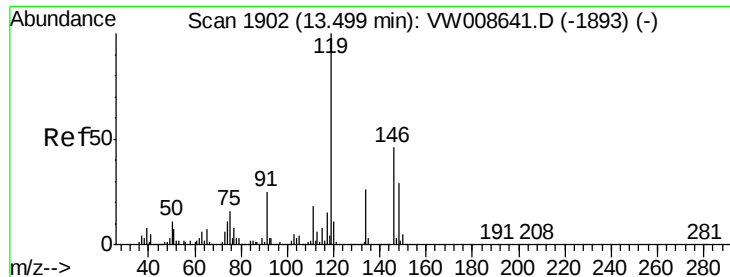
Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 23.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.136 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

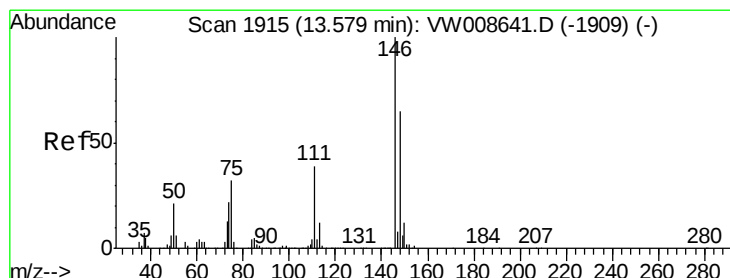
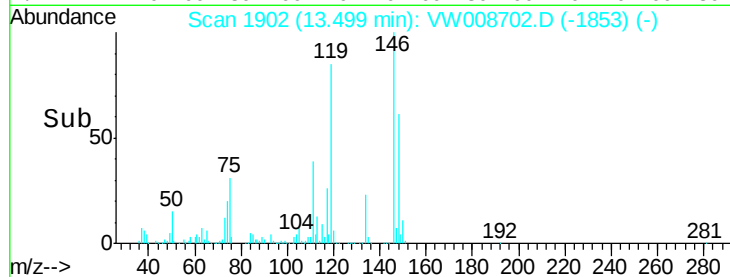
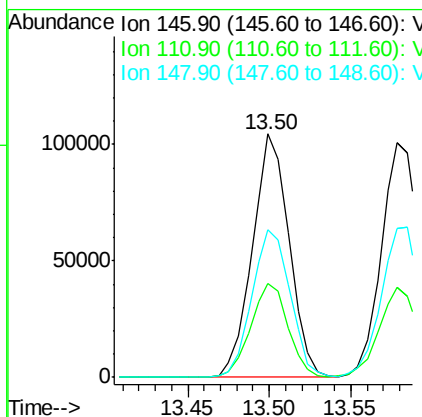
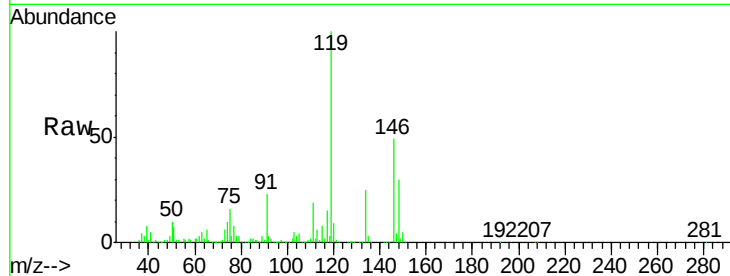
Instrument :
MSVOA_W

ClientSampled :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	63.1	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.448 ug/l

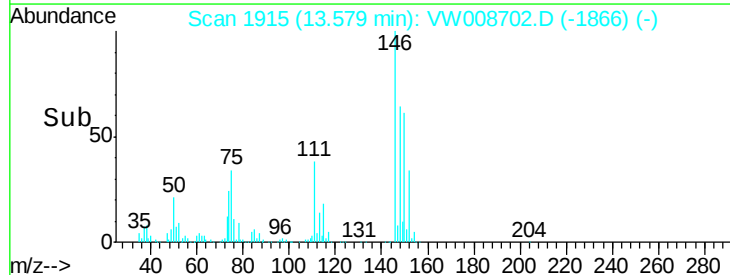
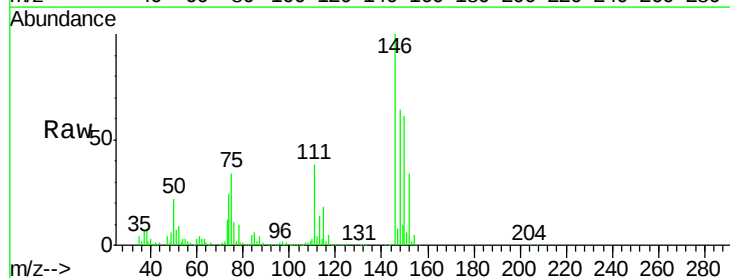
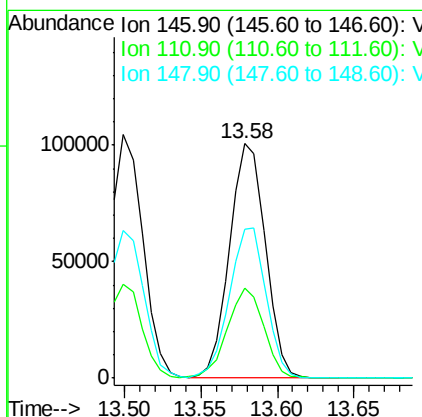
RT: 13.58 min Scan# 1915

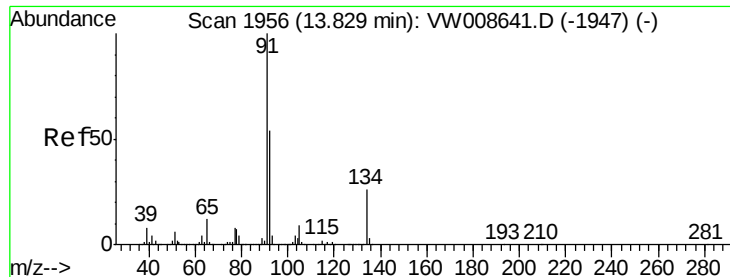
Delta R.T. 0.00 min

Lab File: VW008702.D

Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	65.6	31.8	95.4





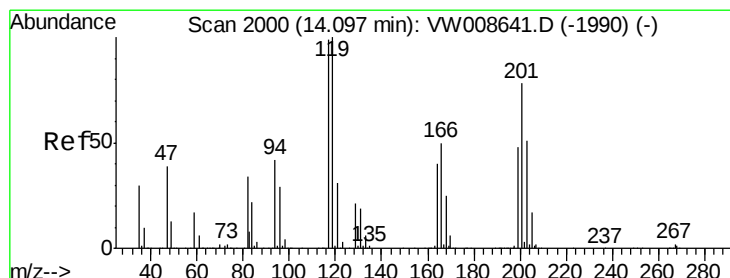
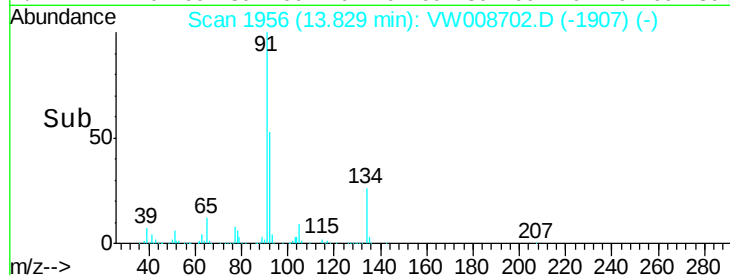
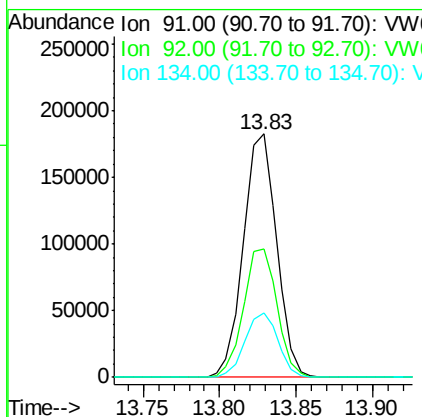
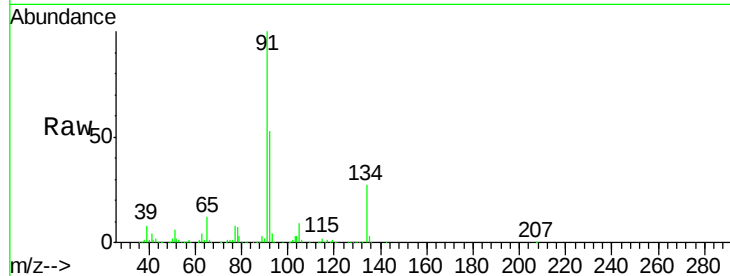
#89
n-Butylbenzene
Concen: 16.854 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	26.4	13.0	39.0

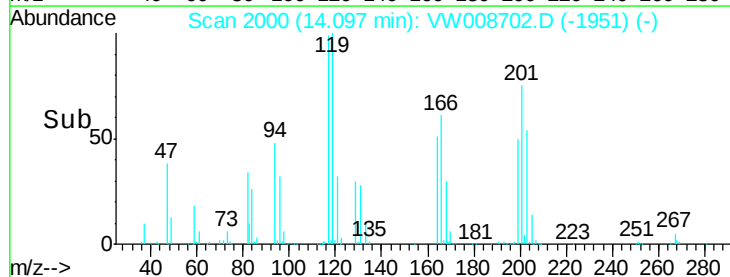
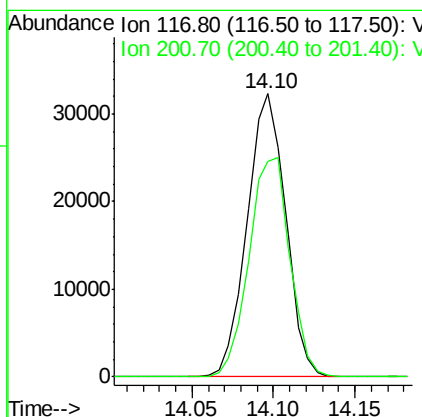
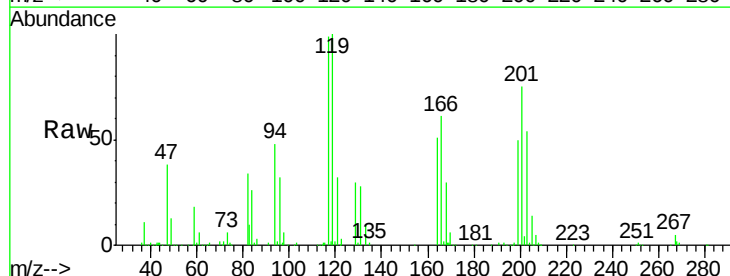
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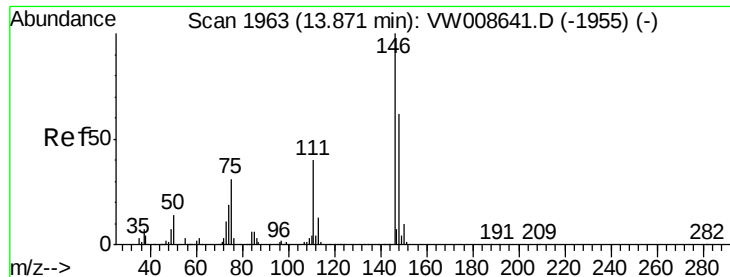
MMDadoda
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#90
Hexachloroethane
Concen: 17.690 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	38.7	116.1





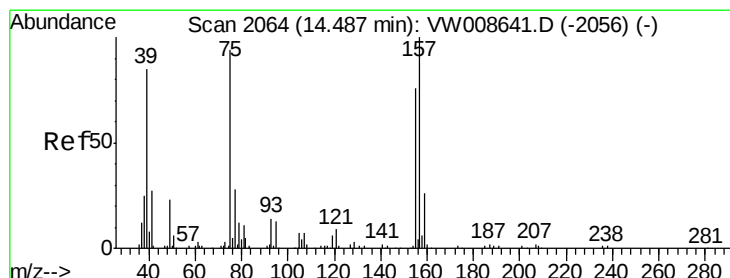
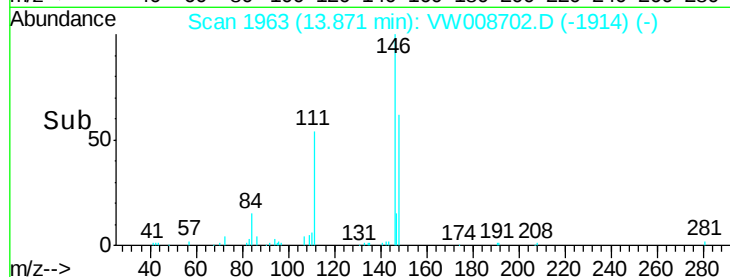
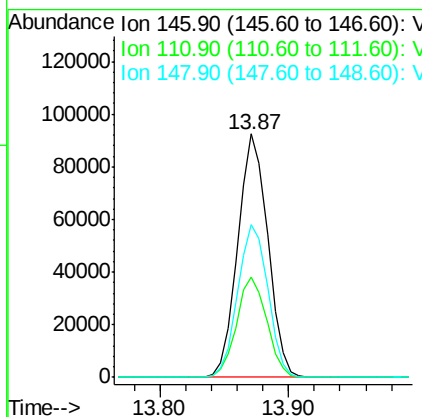
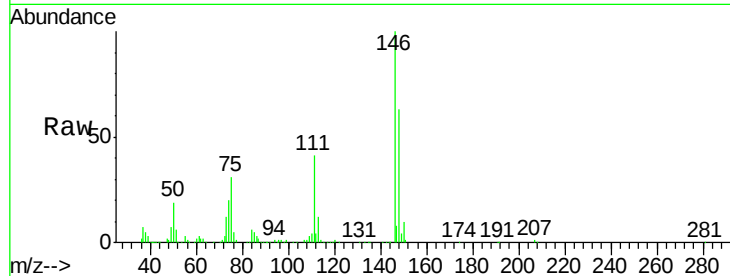
#91
 1,2-Dichlorobenzene
 Concen: 19.653 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	148939		
111	41.4	20.5	61.5	
148	63.3	31.6	94.8	

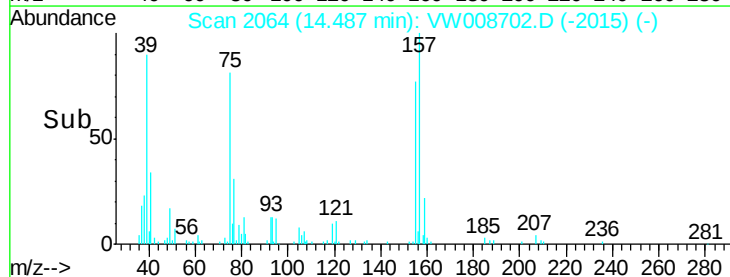
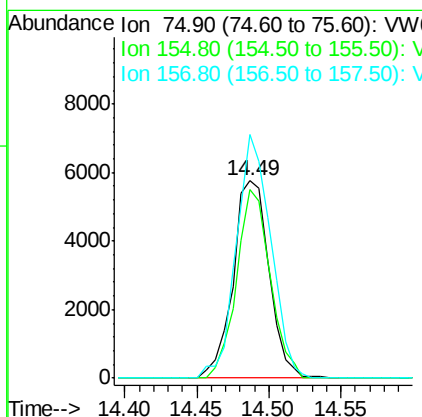
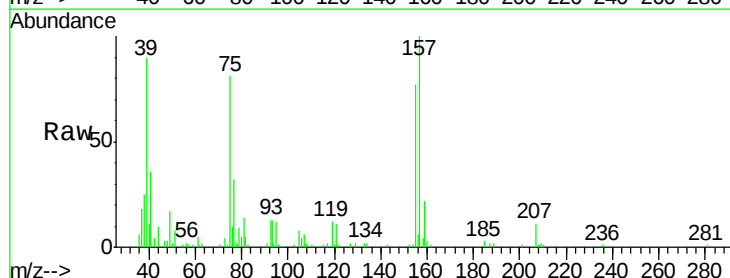
Manual Integrations
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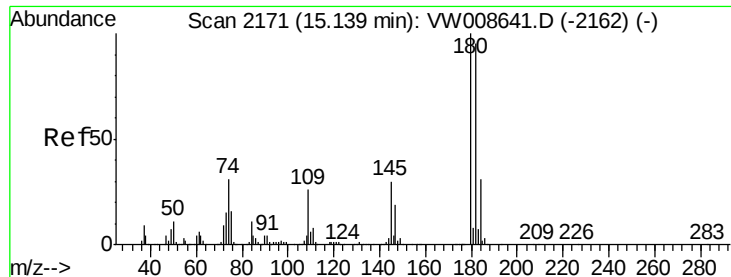
MMDadoda
 2/18/2019 2:34:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.109 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10050		
155	88.8	41.8	125.4	
157	117.6	53.8	161.4	





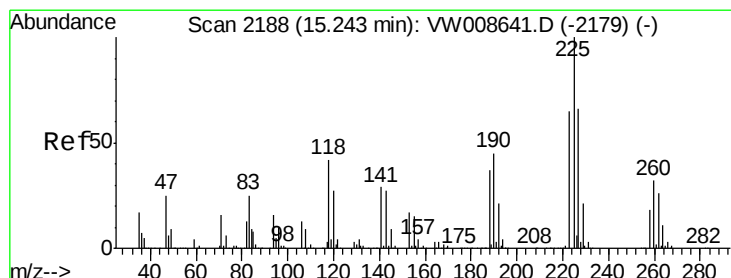
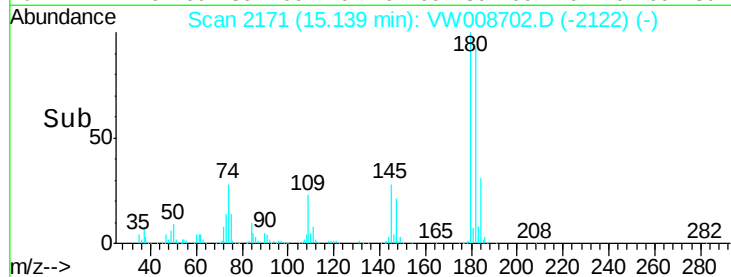
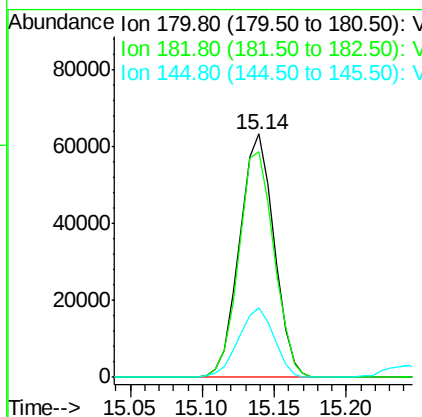
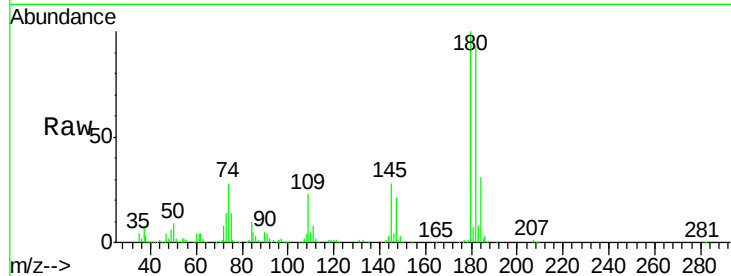
#93
 1,2,4-Trichlorobenzene
 Concen: 19.535 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105387		
182	94.5	47.5	142.5	
145	29.4	15.1	45.3	

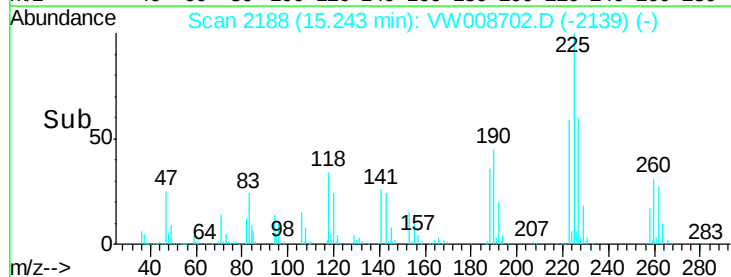
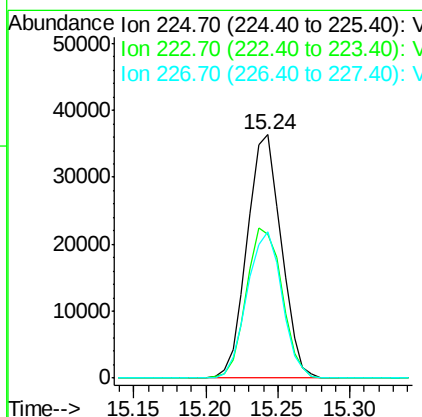
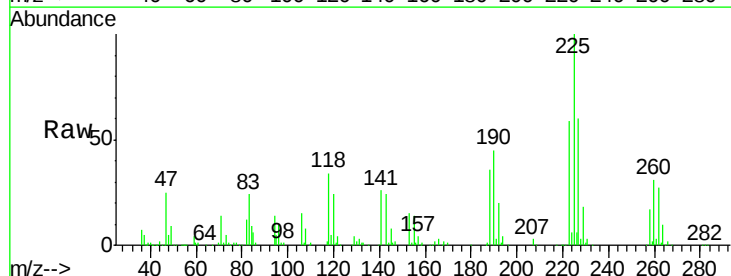
Manual Integrations
 APPROVED

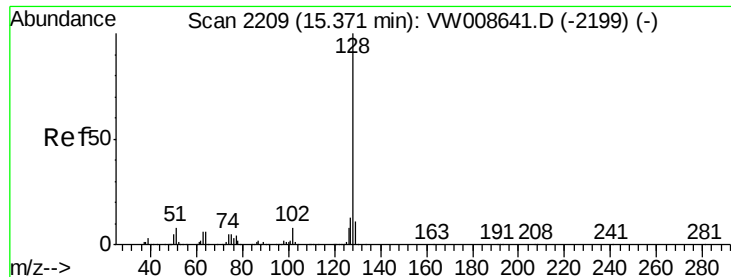
MMDadoda
 2/18/2019 2:34:48 PM



#94
 Hexachlorobutadiene
 Concen: 19.000 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008702.D
 Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59664		
223	64.3	31.4	94.3	
227	61.6	32.4	97.0	





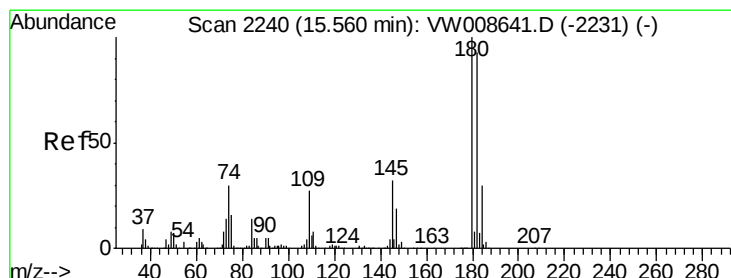
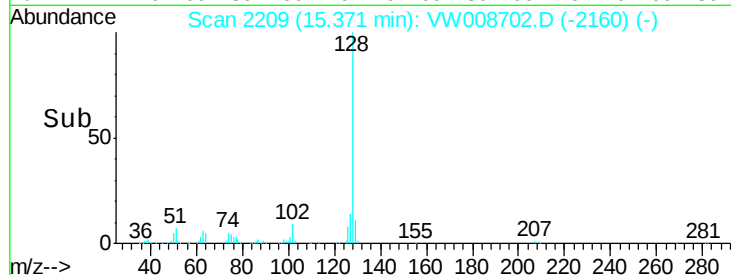
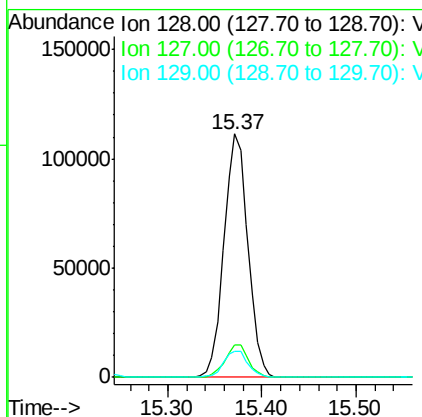
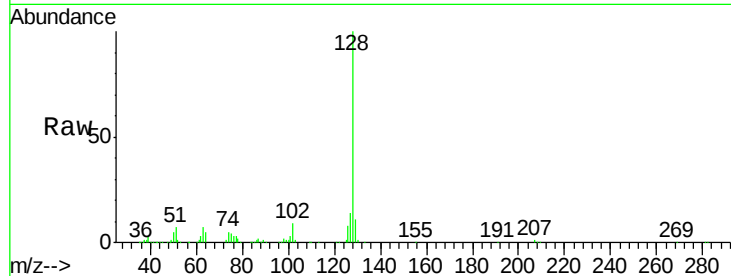
#95
Naphthalene
Concen: 20.321 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.3	10.9	16.3
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.664 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008702.D
Acq: 16 Feb 2019 00:49

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.3	47.5	142.5
145	31.2	15.9	47.7

