

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008647.D
 Acq On : 13 Feb 2019 20:10
 Operator : SY/VA
 Sample : VW0213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:10:51 PM

Quant Time: Feb 14 05:30:52 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	401903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	623155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	559642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	286210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	224630	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
35) Dibromofluoromethane	7.88	113	207919	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
50) Toluene-d8	10.32	98	777905	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	288373	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	55888	21.711	ug/l	95
3) Chloromethane	2.21	50	72578	19.558	ug/l	99
4) Vinyl Chloride	2.36	62	94074	19.299	ug/l	94
5) Bromomethane	2.77	94	79752	20.677	ug/l	98
6) Chloroethane	2.92	64	74428	20.520	ug/l	99
7) Trichlorofluoromethane	3.25	101	68481	18.038	ug/l	97
8) Diethyl Ether	3.67	74	46906	20.704	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	81665	20.355	ug/l	95
10) Methyl Iodide	4.26	142	126483	20.198	ug/l	99
11) Tert butyl alcohol	5.17	59	35940	107.507	ug/l	97
12) 1,1-Dichloroethene	4.03	96	79639	20.297	ug/l	99
13) Acrolein	3.88	56	35928	104.311	ug/l	97
14) Allyl chloride	4.65	41	128683	19.740	ug/l	99
15) Acrylonitrile	5.36	53	99532	104.376	ug/l	99
16) Acetone	4.12	43	91873	96.626	ug/l	93
17) Carbon Disulfide	4.37	76	235441	19.884	ug/l	97
18) Methyl Acetate	4.66	43	43833	20.175	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	143965	20.901	ug/l	100
20) Methylene Chloride	4.90	84	97359	18.714	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	85731	19.952	ug/l	98
22) Diisopropyl ether	6.31	45	269087	20.509	ug/l	96
23) Vinyl Acetate	6.25	43	876183	102.895	ug/l	100
24) 1,1-Dichloroethane	6.21	63	156032	20.609	ug/l	98
25) 2-Butanone	7.17	43	137989	102.778	ug/l	100
26) 2,2-Dichloropropane	7.16	77	91947	19.441	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	93362	20.094	ug/l	98
28) Bromochloromethane	7.51	49	67233	21.037	ug/l	98
29) Tetrahydrofuran	7.52	42	92071	104.044	ug/l	99
30) Chloroform	7.67	83	156100	20.577	ug/l	98
31) Cyclohexane	7.95	56	148995	19.498	ug/l	# 91
32) 1,1,1-Trichloroethane	7.87	97	127161	19.848	ug/l	99
36) 1,1-Dichloropropene	8.07	75	124866	19.944	ug/l	99
37) Ethyl Acetate	7.25	43	65306	21.624	ug/l	99
38) Carbon Tetrachloride	8.06	117	124479	19.995	ug/l	96

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Manual Integrations
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Quant Time: Feb 14 05:30:52 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)
39) Methylcyclohexane	9.33	83	152642	19.276	ug/l	98
40) Benzene	8.32	78	344979	20.176	ug/l	97
41) Methacrylonitrile	7.48	41	36705	21.601	ug/l	95
42) 1,2-Dichloroethane	8.40	62	109875	20.717	ug/l	100
43) Isopropyl Acetate	8.42	43	124740	20.714	ug/l	99
44) Trichloroethene	9.09	130	95659	20.178	ug/l	97
45) 1,2-Dichloropropane	9.37	63	85561	20.220	ug/l	99
46) Dibromomethane	9.46	93	47948	20.570	ug/l	98
47) Bromodichloromethane	9.64	83	115119	20.549	ug/l	99
48) Methyl methacrylate	9.43	41	57973	20.773	ug/l	98
49) 1,4-Dioxane	9.45	88	15292	410.980	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	324412	104.871	ug/l	99
52) Toluene	10.38	92	220263	19.968	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	116421	19.782	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	135407	20.296	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66514	20.796	ug/l	96
56) Ethyl methacrylate	10.65	69	86413	20.346	ug/l	99
57) 1,3-Dichloropropane	10.93	76	116132	20.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	230630	113.201	ug/l	99
59) 2-Hexanone	10.97	43	220164	101.311	ug/l	99
60) Dibromochloromethane	11.13	129	77584	20.273	ug/l	99
61) 1,2-Dibromoethane	11.23	107	65184	20.699	ug/l	97
64) Tetrachloroethene	10.86	164	83237	20.001	ug/l	96
65) Chlorobenzene	11.66	112	244939	20.306	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	86690	20.287	ug/l	98
67) Ethyl Benzene	11.73	91	422122	19.646	ug/l	98
68) m/p-Xylenes	11.84	106	329662	39.432	ug/l	100
69) o-Xylene	12.16	106	157616	19.945	ug/l	99
70) Styrene	12.18	104	252262	19.544	ug/l	99
71) Bromoform	12.35	173	45464	19.746	ug/l #	98
73) Isopropylbenzene	12.46	105	429474	20.145	ug/l	100
74) N-amyl acetate	12.27	43	122118	21.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	79805	21.515	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66769m	23.625	ug/l	
77) Bromobenzene	12.75	156	102761	20.969	ug/l	99
78) n-propylbenzene	12.80	91	508919	20.091	ug/l	98
79) 2-Chlorotoluene	12.90	91	290177	20.269	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	356926	20.156	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	22449	19.150	ug/l	98
82) 4-Chlorotoluene	12.99	91	306185	20.181	ug/l	98
83) tert-Butylbenzene	13.21	119	315050	20.489	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	369986	20.329	ug/l	99
85) sec-Butylbenzene	13.38	105	454042	20.280	ug/l	100
86) p-Isopropyltoluene	13.50	119	398814	19.912	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	204250	20.560	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	204554	20.892	ug/l	100
89) n-Butylbenzene	13.83	91	379351	19.931	ug/l	100
90) Hexachloroethane	14.10	117	70399	20.118	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	184346	20.944	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13970	21.673	ug/l	99

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBSD01

Manual Integrations
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Quant Time: Feb 14 05:30:52 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.14	180	132915	21.214	ug/l	100
94) Hexachlorobutadiene	15.24	225	75852	20.798	ug/l	98
95) Naphthalene	15.37	128	242332	21.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	116489	21.666	ug/l	99

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

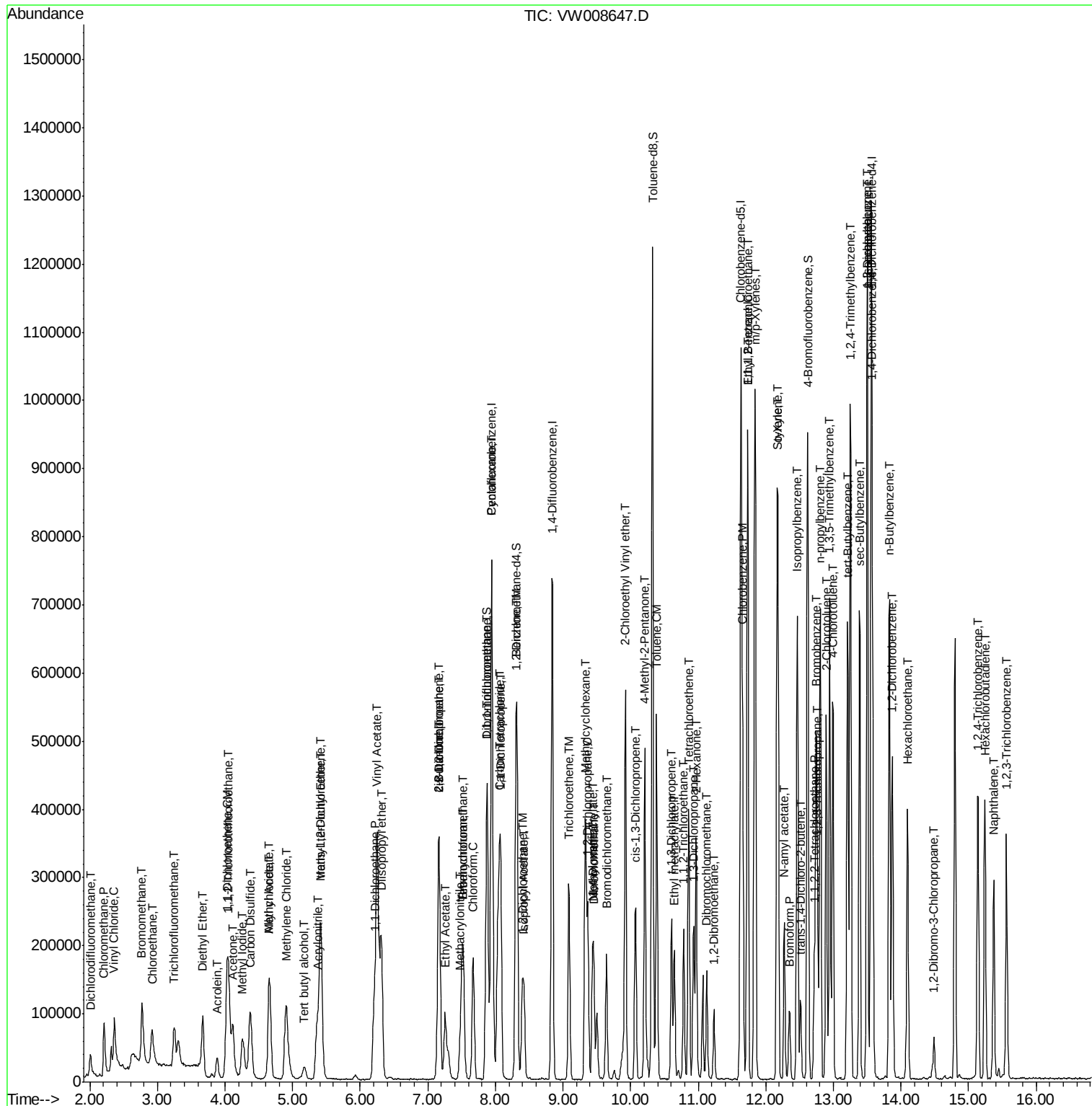
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008647.D
 Acq On : 13 Feb 2019 20:10
 Operator : SY/VA
 Sample : VW0213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

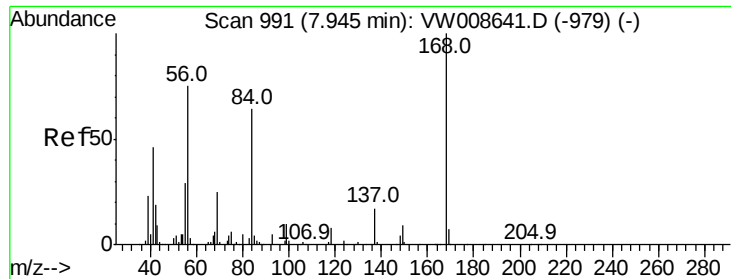
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

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#1

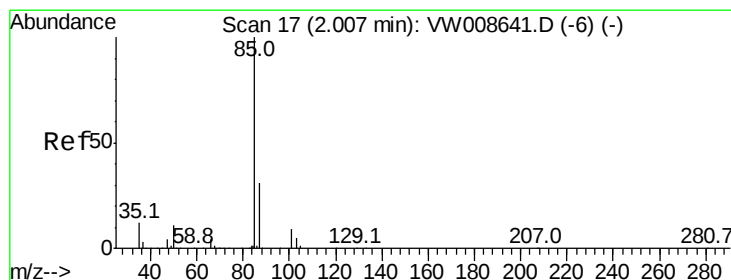
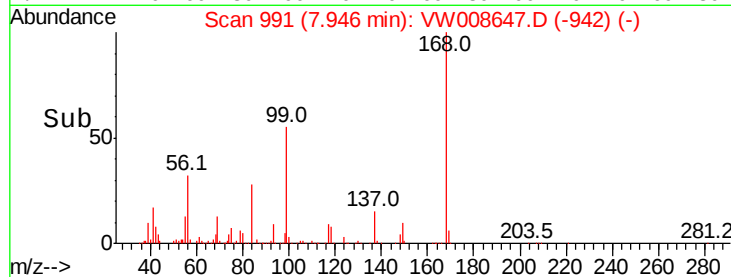
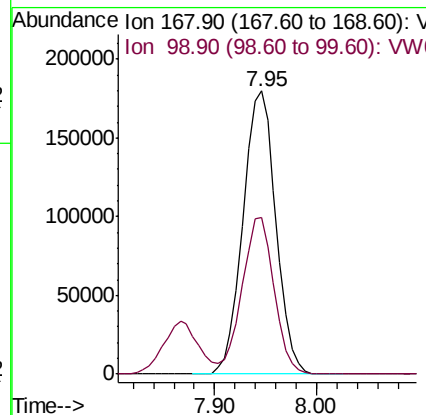
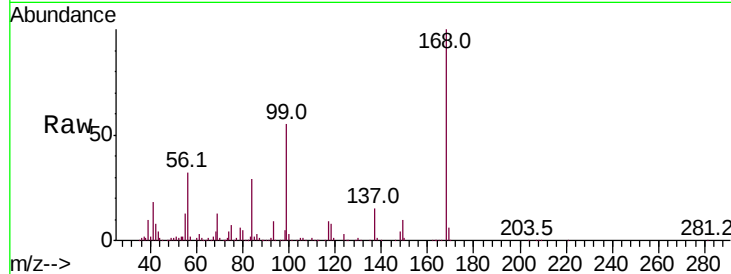
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.3	42.8	64.2

Manual Integrations
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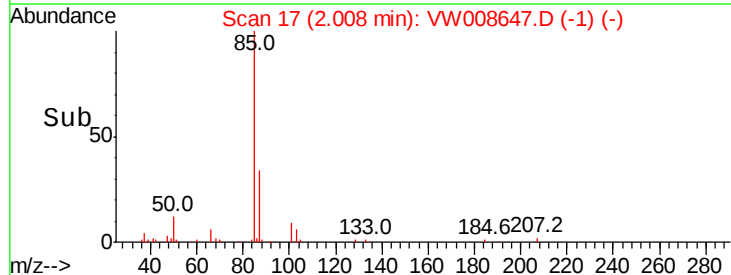
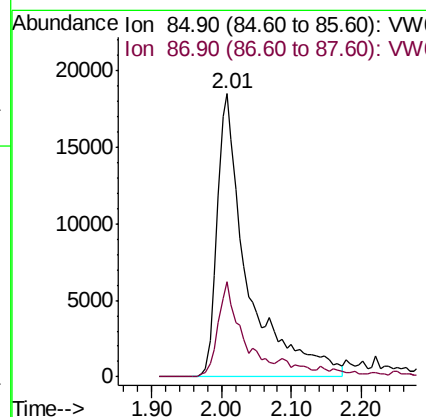
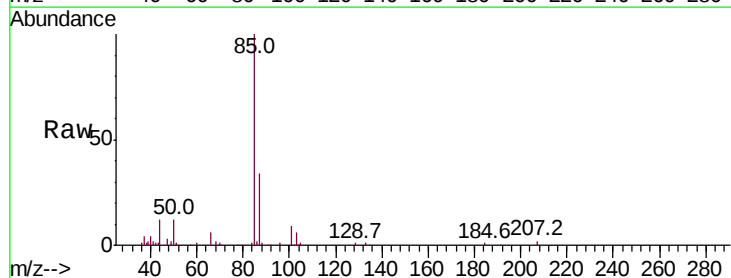
MMDadoda
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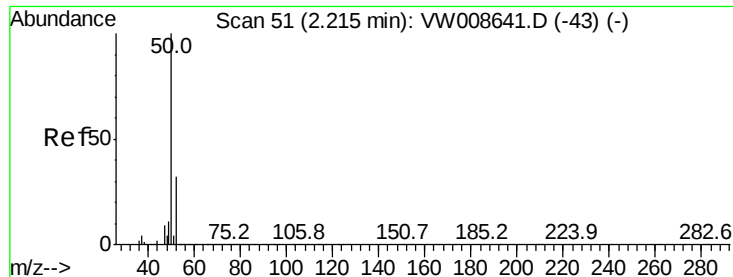


#2

Dichlorodifluoromethane
 Concen: 21.711 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.4	46.4





#3

Chloromethane

Concen: 19.558 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 50 Resp: 72578

Ion Ratio Lower Upper

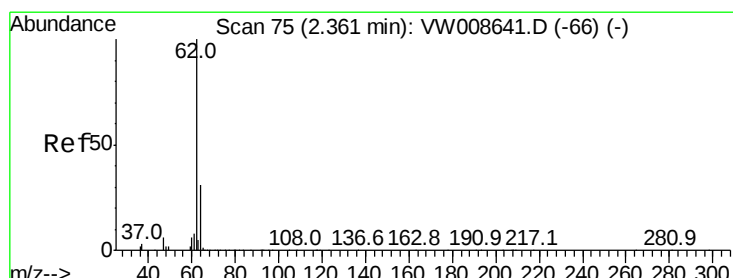
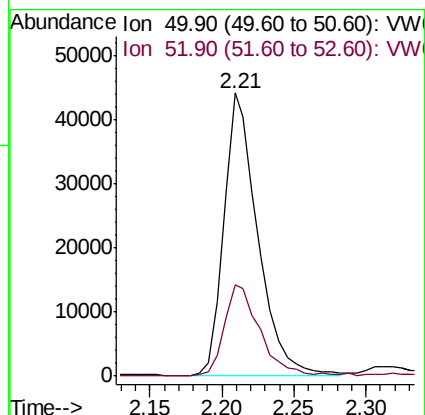
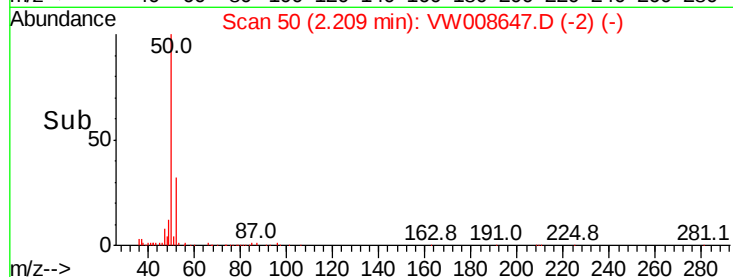
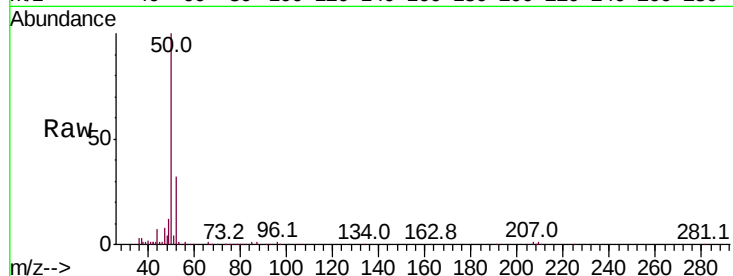
50 100

52 32.0 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.299 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW008647.D

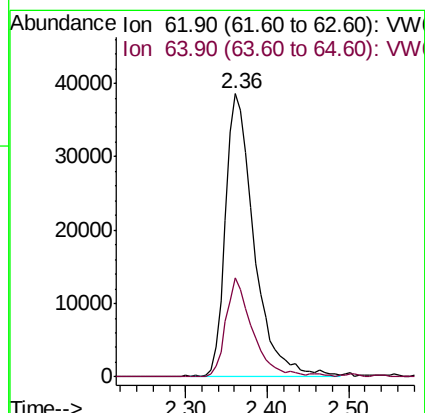
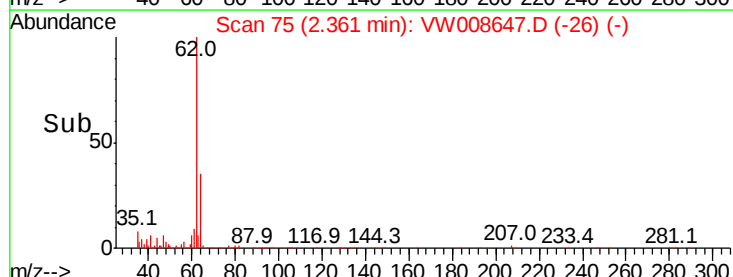
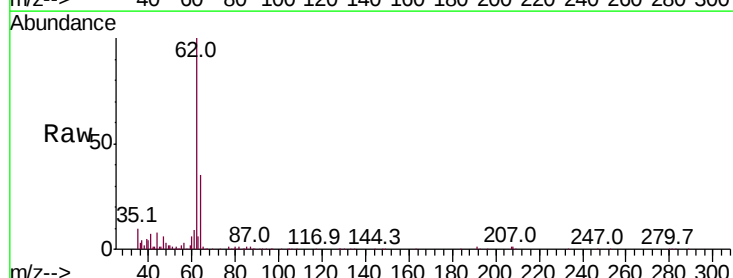
Acq: 13 Feb 2019 20:10

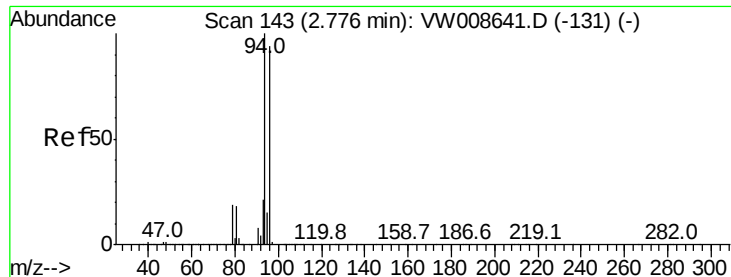
Tgt Ion: 62 Resp: 94074

Ion Ratio Lower Upper

62 100

64 34.8 25.1 37.7





#5

Bromomethane

Concen: 20.677 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 94 Resp: 79752

Ion Ratio Lower Upper

94 100

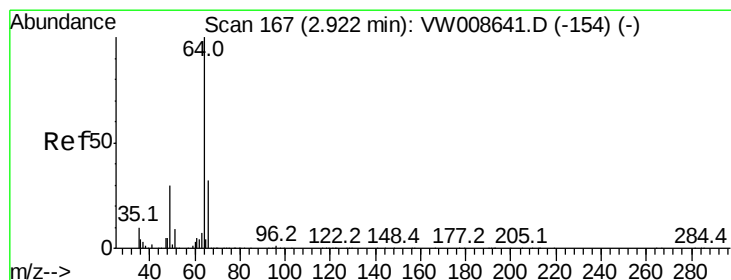
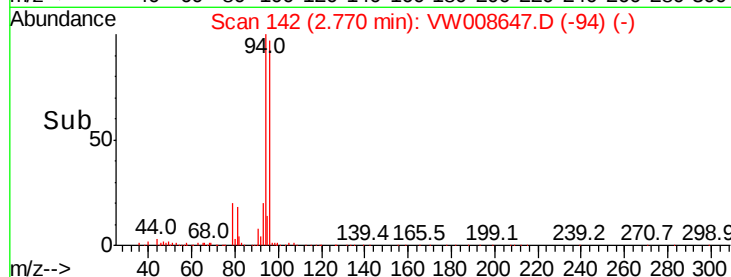
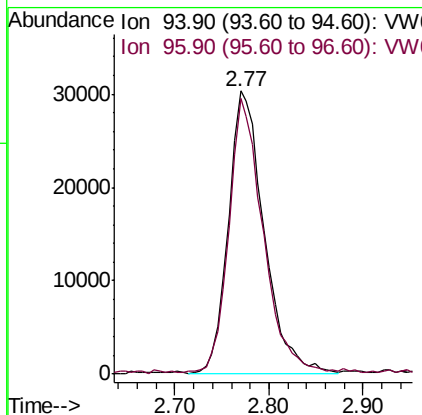
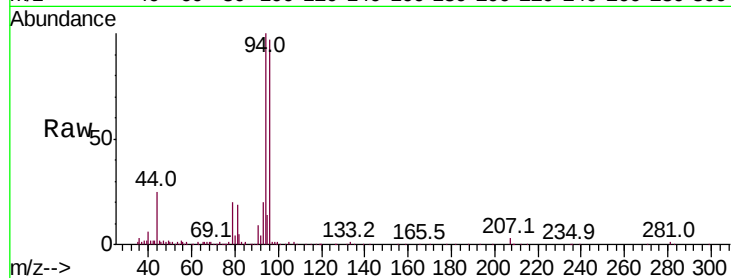
96 96.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 20.520 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008647.D

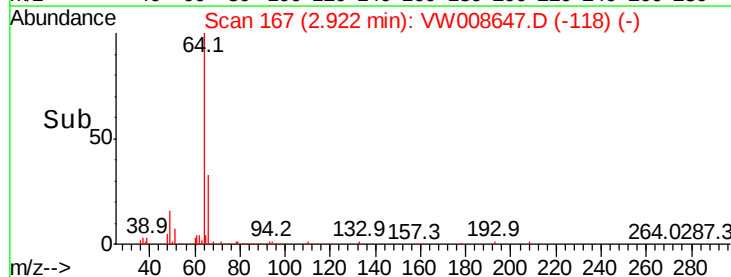
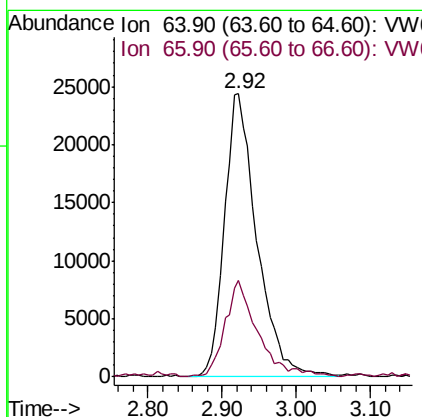
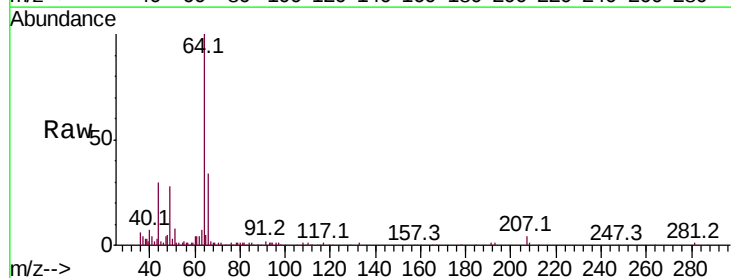
Acq: 13 Feb 2019 20:10

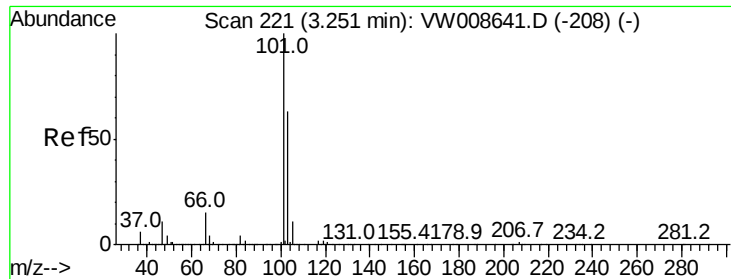
Tgt Ion: 64 Resp: 74428

Ion Ratio Lower Upper

64 100

66 33.6 26.2 39.4





#7

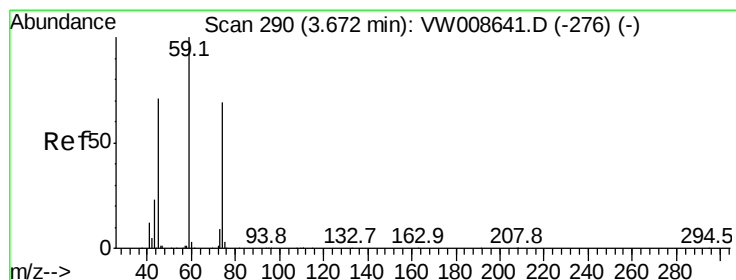
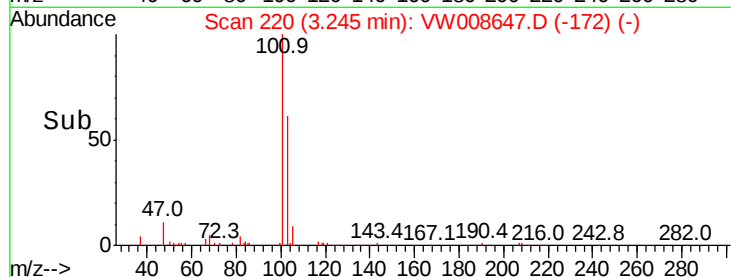
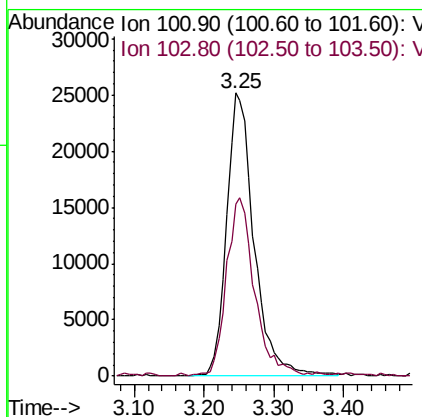
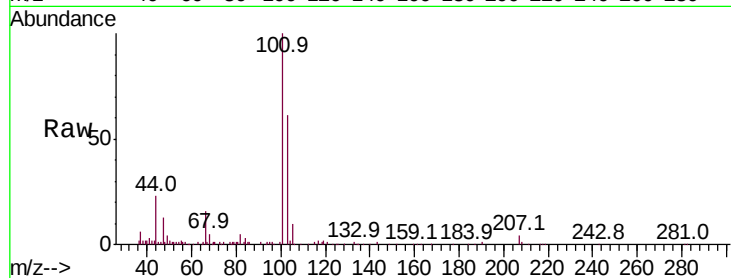
Trichlorofluoromethane
Concen: 18.038 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	50.5	75.7

Manual Integrations
APPROVED

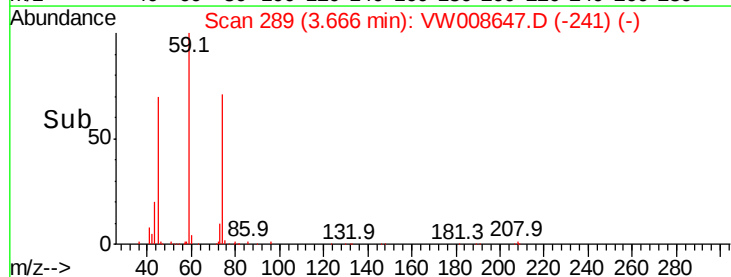
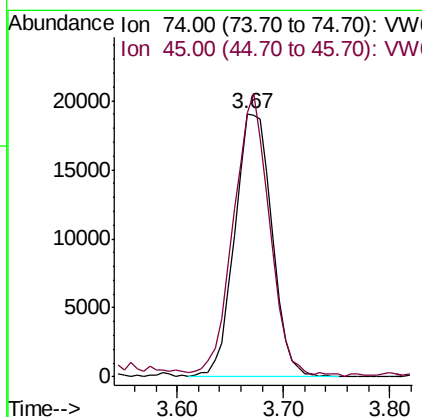
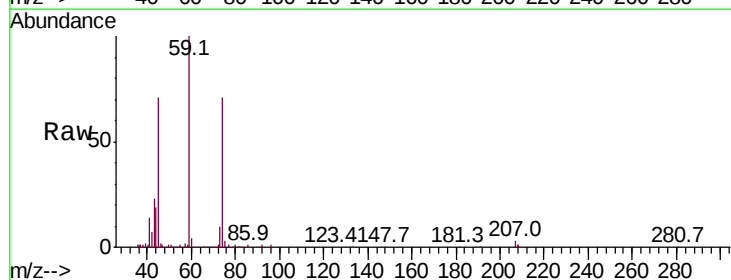
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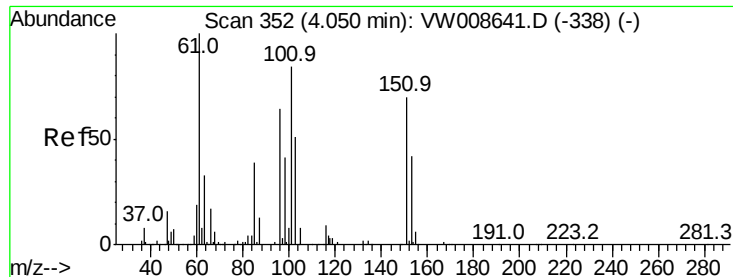


#8

Diethyl Ether
Concen: 20.704 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.355 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

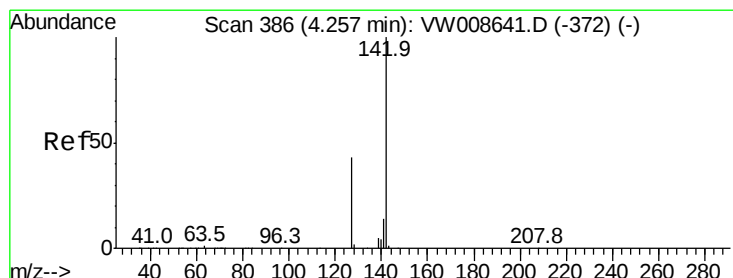
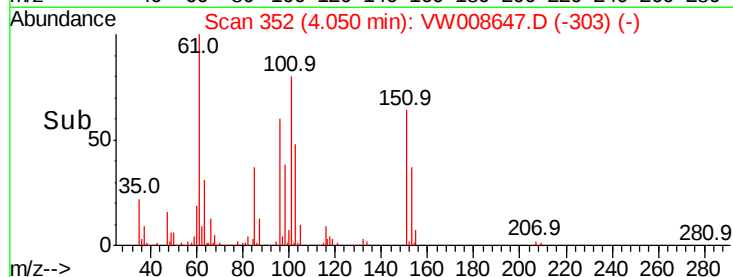
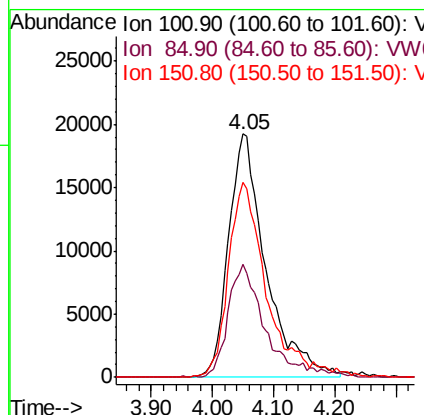
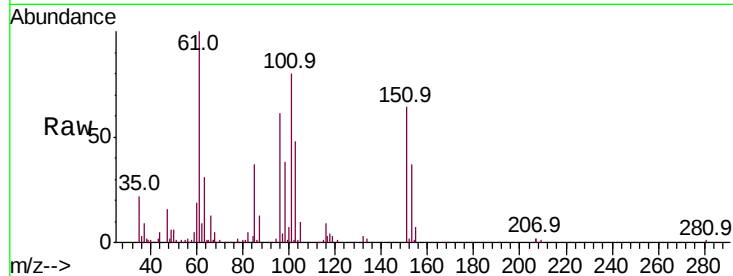
ClientSampleId :

VW0213SBS01

Tot Ion:	101	Resp:	81665
Ion Ratio	Lower	Upper	
101	100		
85	46.3	34.3	51.5
151	78.3	65.6	98.4

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#10

Methyl Iodide

Concen: 20.198 ug/l

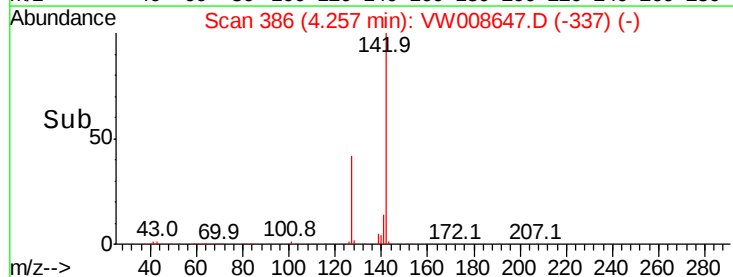
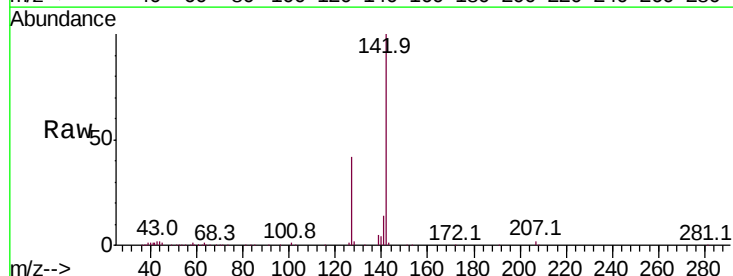
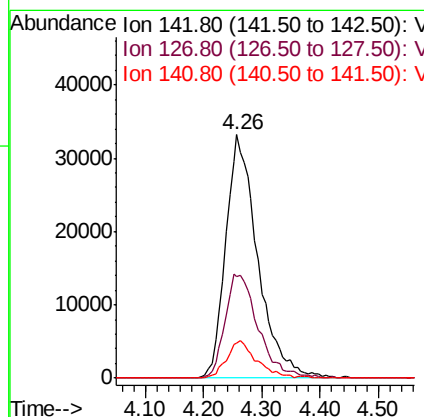
RT: 4.26 min Scan# 386

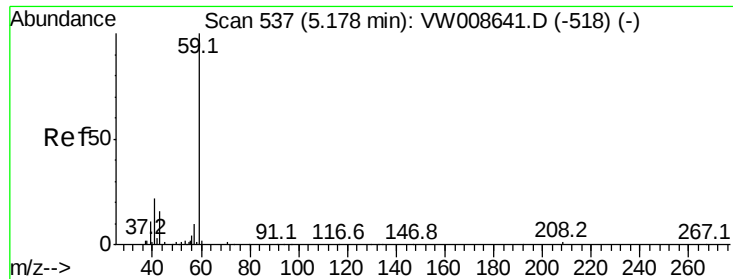
Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion:	142	Resp:	126483
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.8	52.2
141	14.8	11.8	17.8





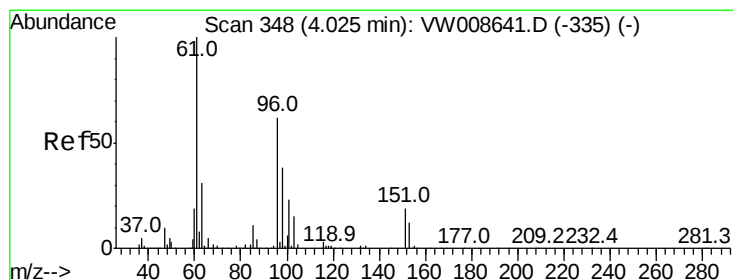
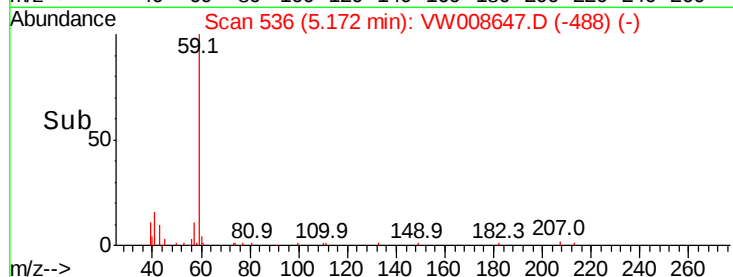
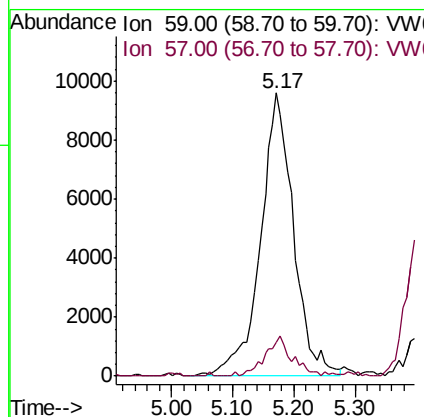
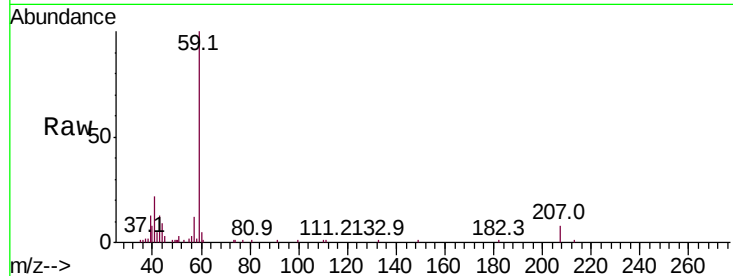
#11
Tert butyl alcohol
Concen: 107.507 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleID :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.3	12.5

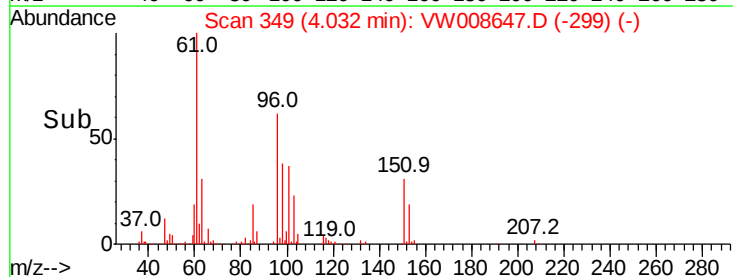
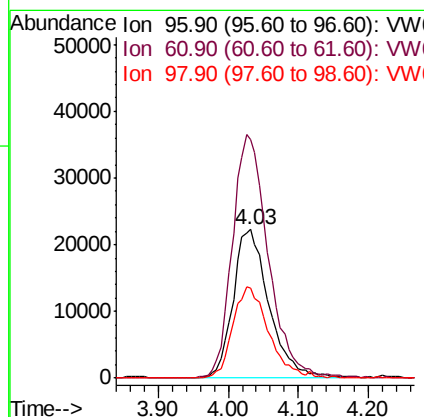
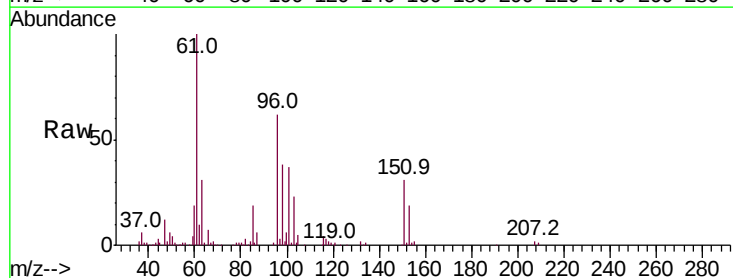
Manual Integrations
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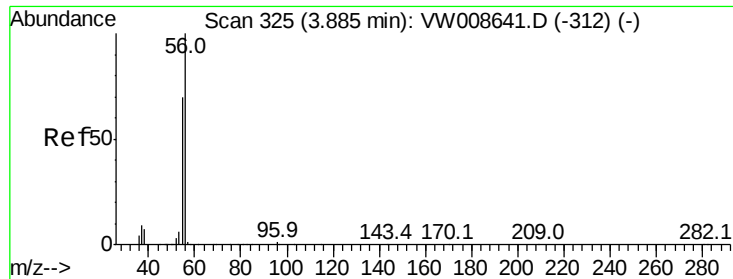
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.297 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.2	129.8	194.6
98	61.0	49.3	73.9





#13

Acrolein

Concen: 104.311 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBSD01

Tot Ion: 56 Resp: 35928

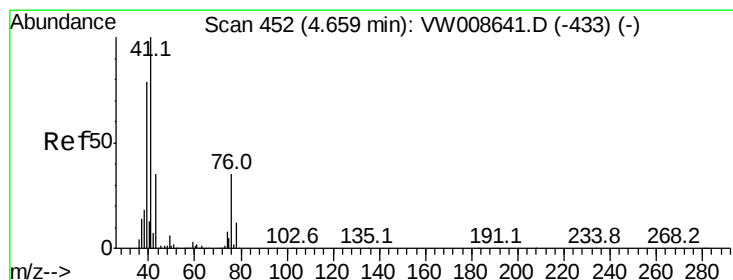
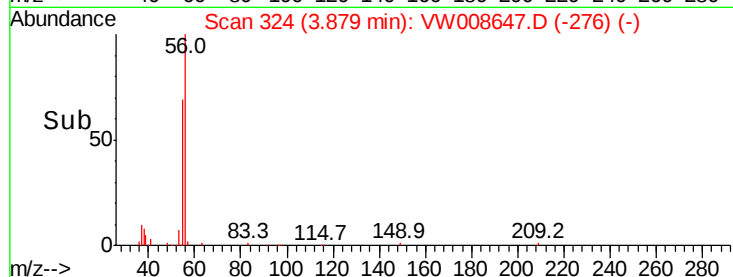
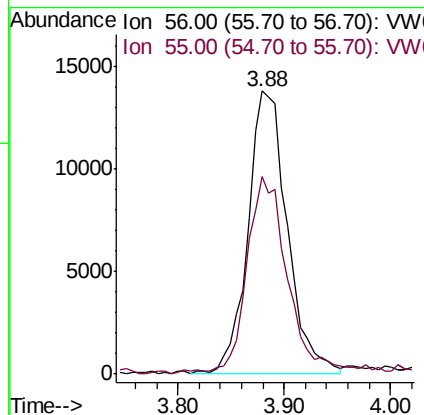
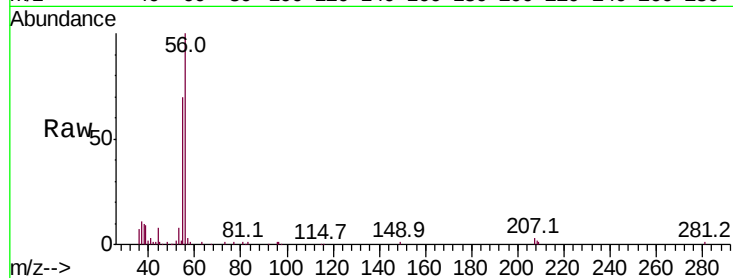
Ion Ratio Lower Upper

56 100

55 69.0 57.4 86.2

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#14

Allyl chloride

Concen: 19.740 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

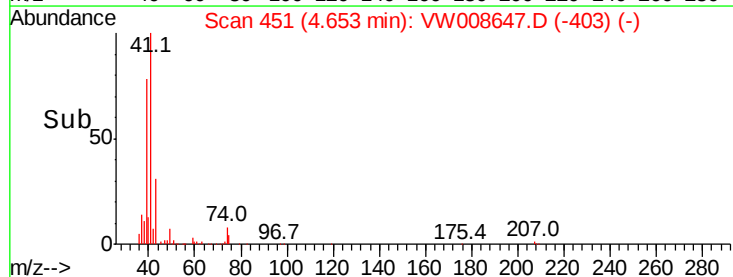
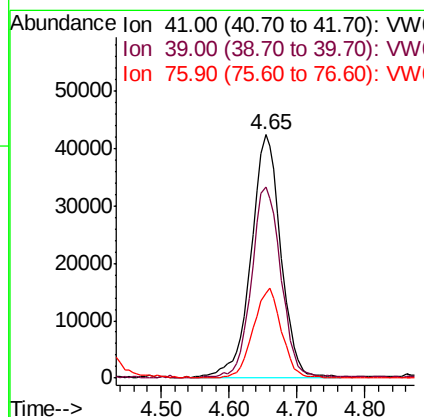
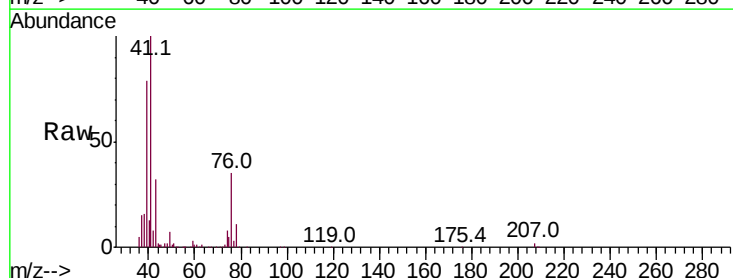
Tgt Ion: 41 Resp: 128683

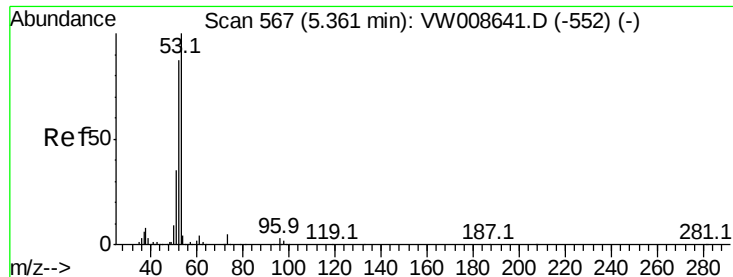
Ion Ratio Lower Upper

41 100

39 77.8 61.7 92.5

76 35.5 27.7 41.5





#15

Acrylonitrile

Concen: 104.376 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

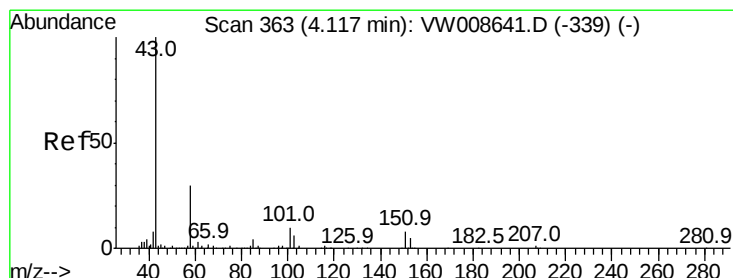
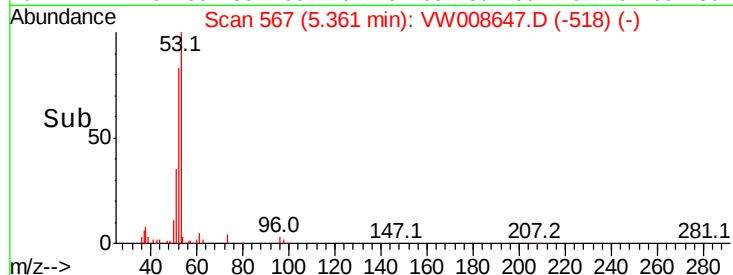
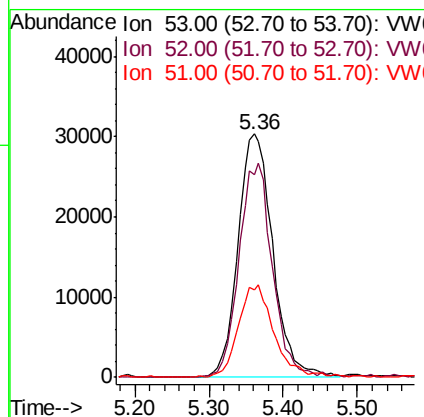
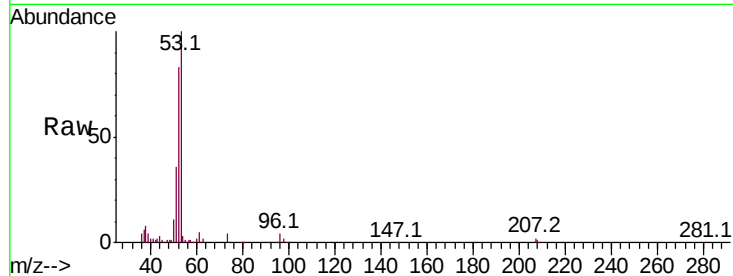
ClientSampleId :

VW0213SBS01

Tot Ion:	53	Resp:	99532
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.8	100.2
51	38.7	29.4	44.0

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#16

Acetone

Concen: 96.626 ug/l

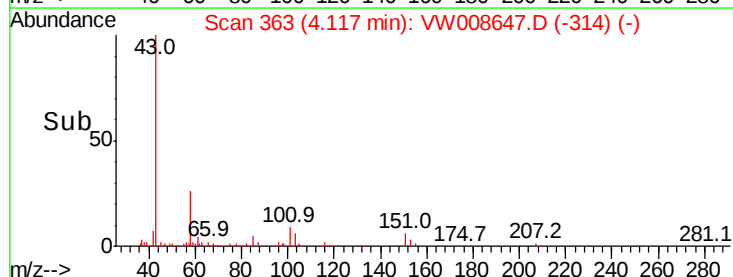
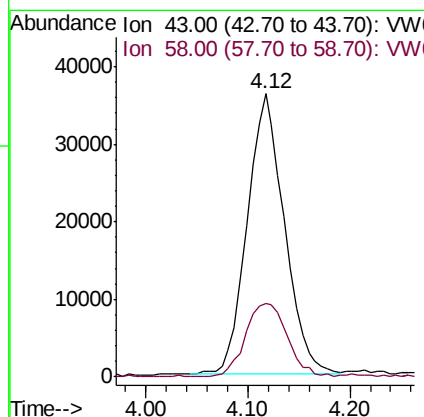
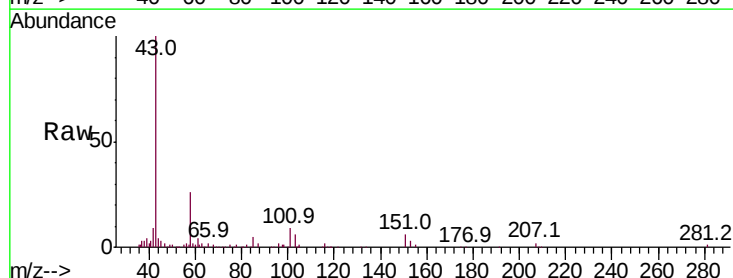
RT: 4.12 min Scan# 363

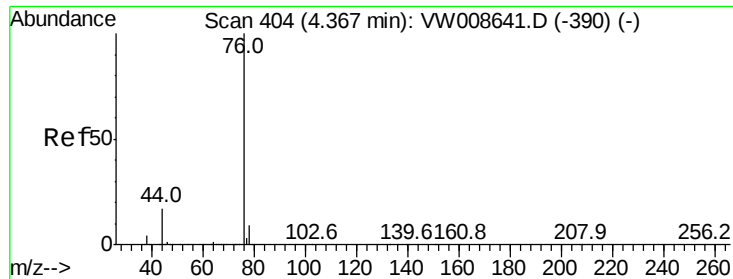
Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion:	43	Resp:	91873
Ion Ratio	Lower	Upper	
43	100		
58	26.1	24.1	36.1





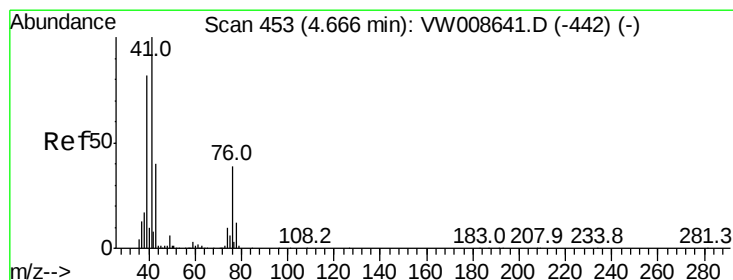
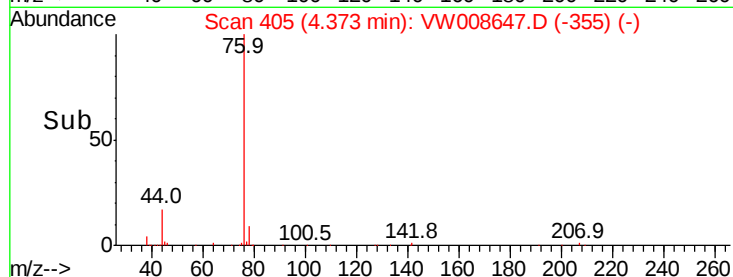
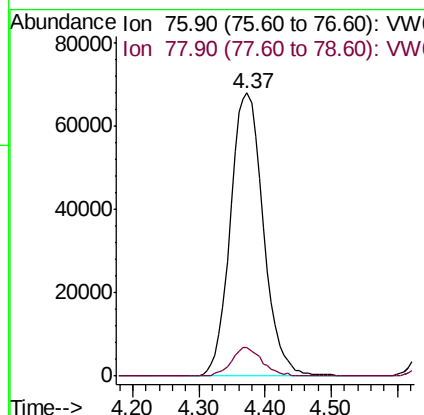
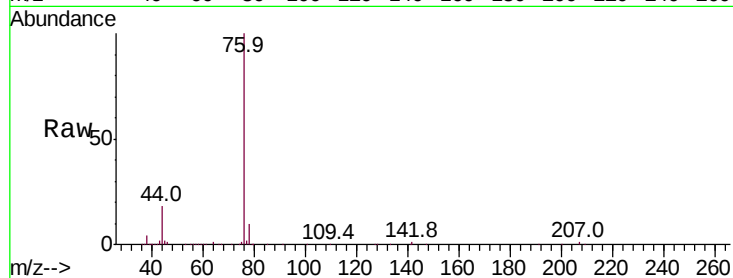
#17
Carbon Disulfide
Concen: 19.884 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBSD01

Tot Ion: 76 Resp: 235441
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7

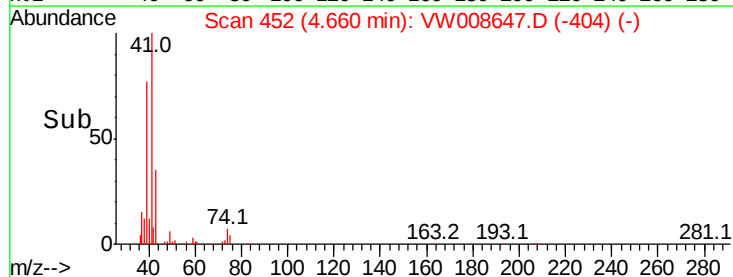
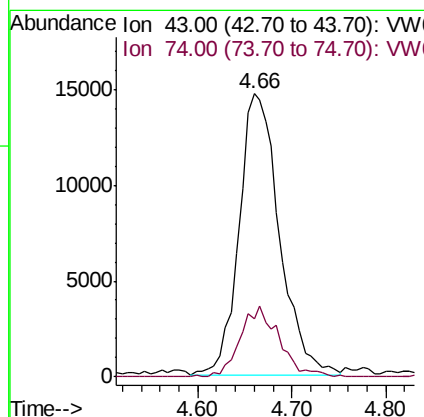
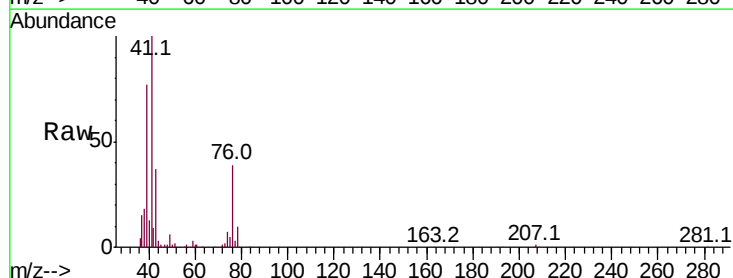
Manual Integrations
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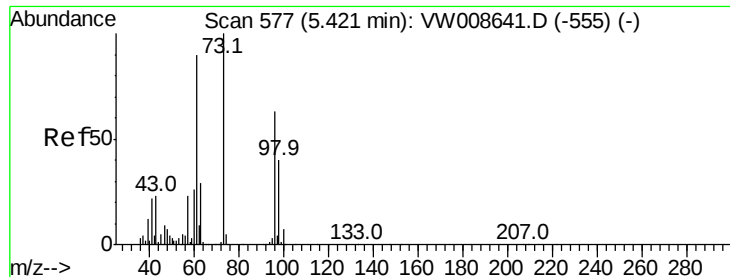
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#18
Methyl Acetate
Concen: 20.175 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 43 Resp: 43833
Ion Ratio Lower Upper
43 100
74 24.1 19.0 28.4





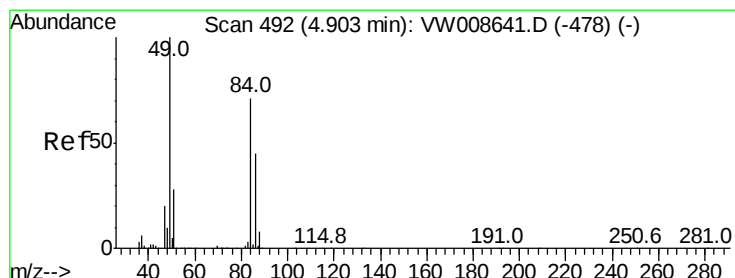
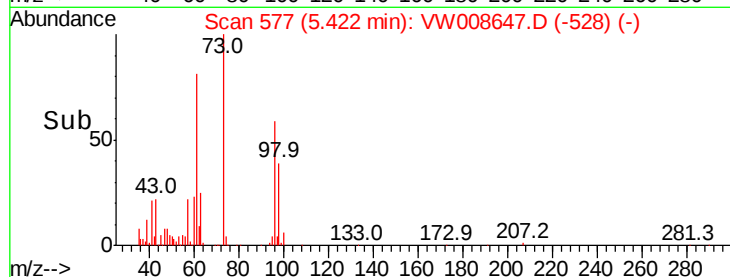
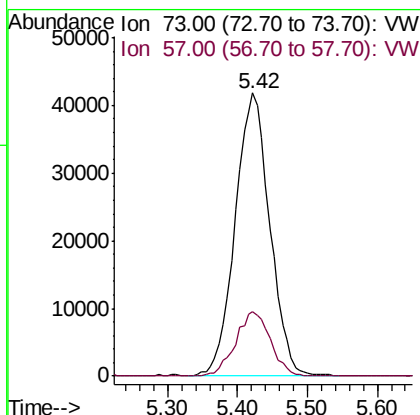
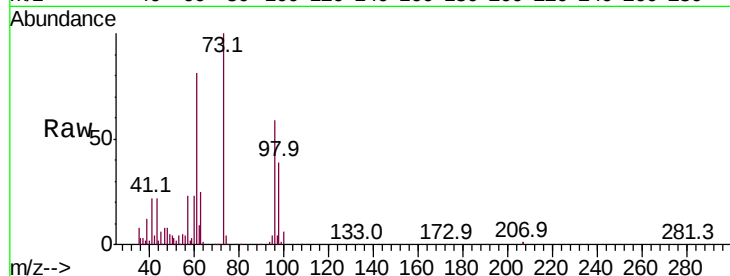
#19
Methyl tert-butyl Ether
Concen: 20.901 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion: 73 Resp: 143965
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.2

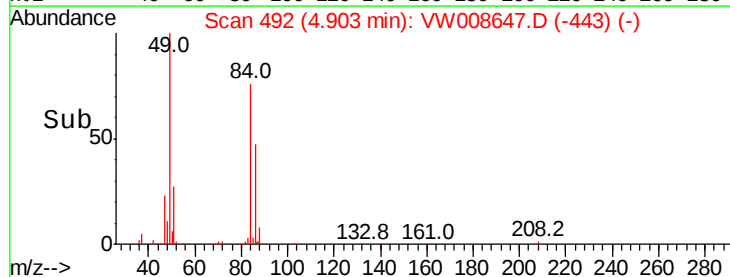
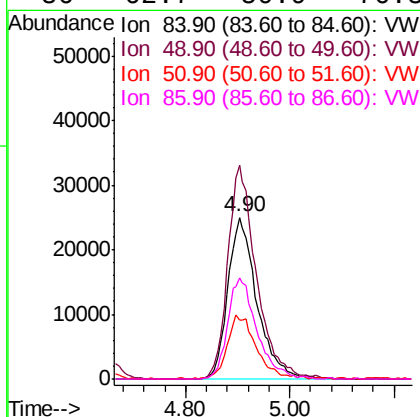
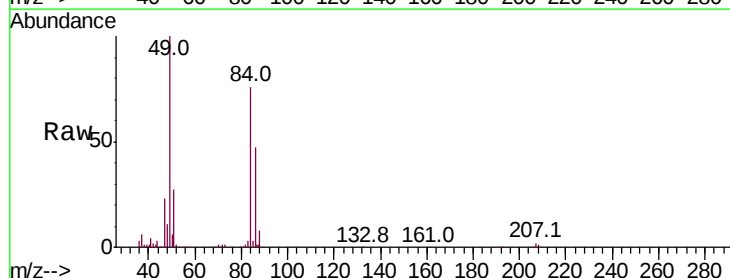
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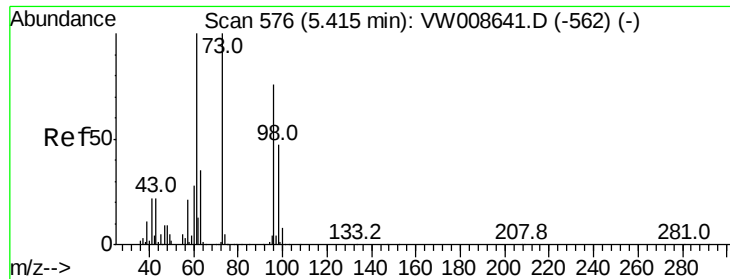
MMDadoda
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#20
Methylene Chloride
Concen: 18.714 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 84 Resp: 97359
Ion Ratio Lower Upper
84 100
49 132.1 113.3 169.9
51 36.2 32.1 48.1
86 62.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.952 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBSD01

Tot Ion: 96 Resp: 85731

Ion Ratio Lower Upper

96 100

61 134.4 105.9 158.9

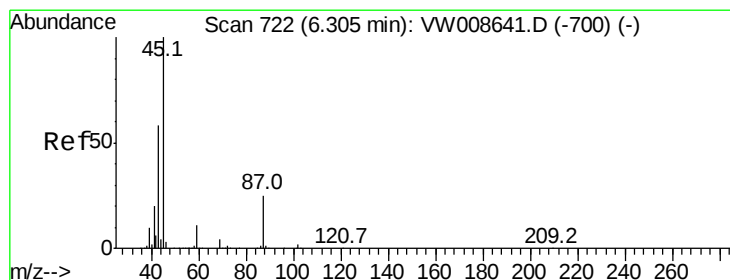
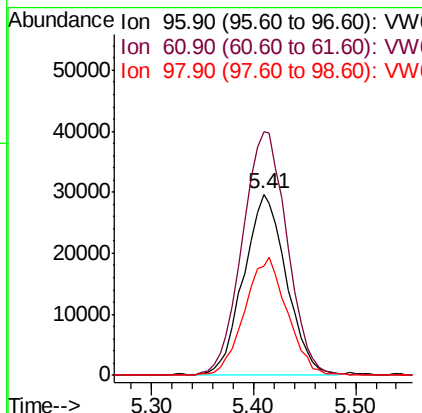
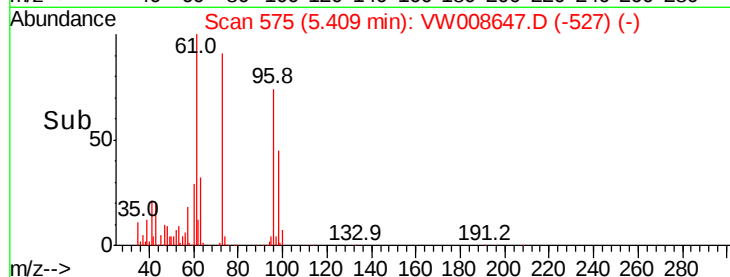
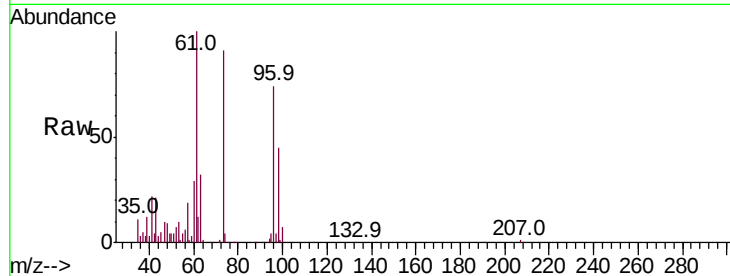
98 60.7 49.8 74.6

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#22

Diisopropyl ether

Concen: 20.509 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion: 45 Resp: 269087

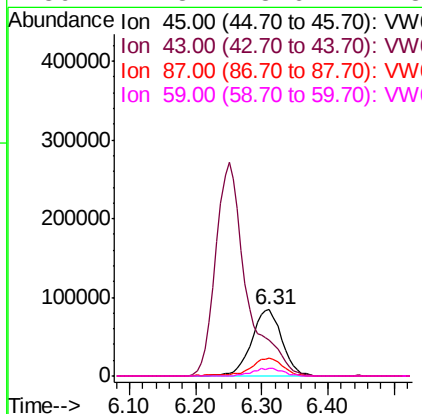
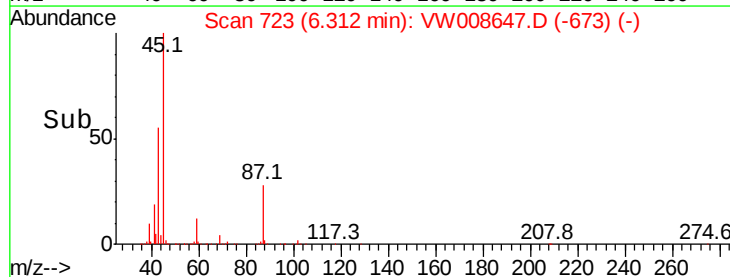
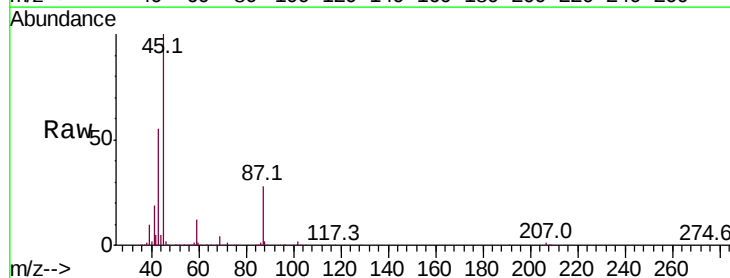
Ion Ratio Lower Upper

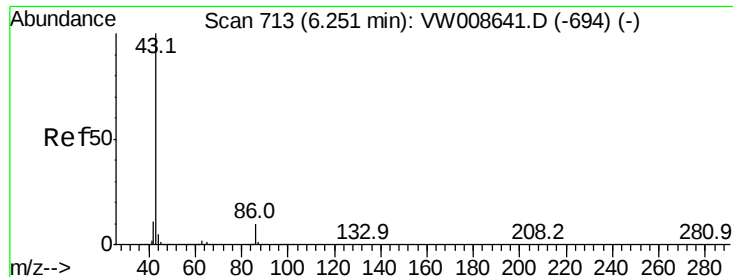
45 100

43 54.6 46.1 69.1

87 27.5 20.5 30.7

59 11.8 8.6 12.8





#23

Vinyl Acetate

Concen: 102.895 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 43 Resp: 876183

Ion Ratio Lower Upper

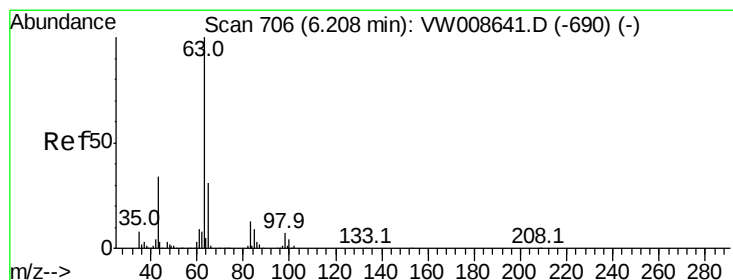
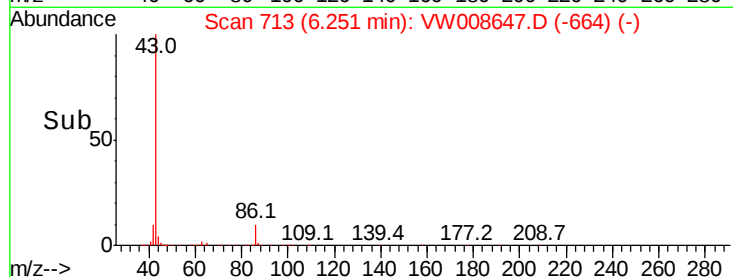
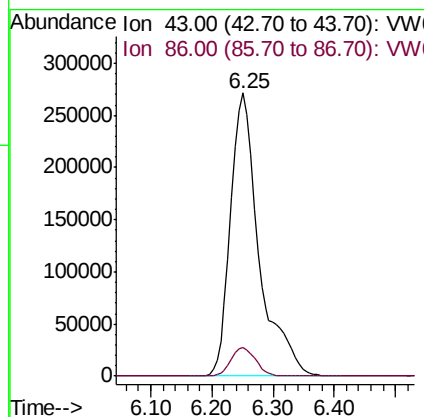
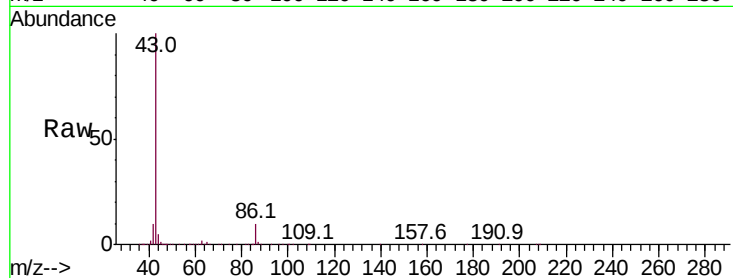
43 100

86 10.0 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 20.609 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

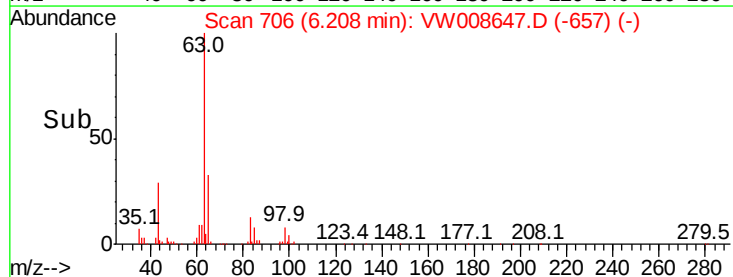
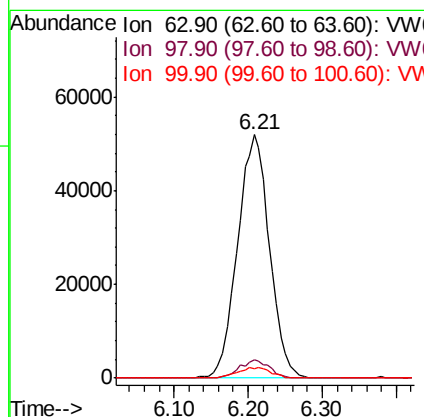
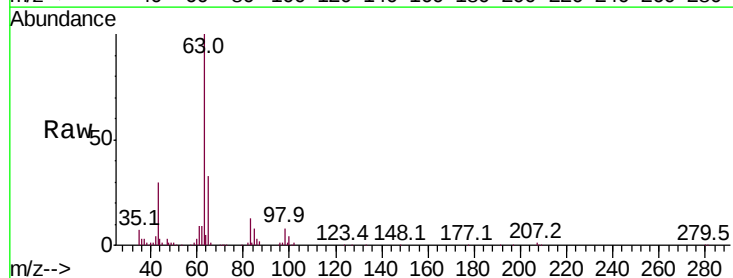
Tgt Ion: 63 Resp: 156032

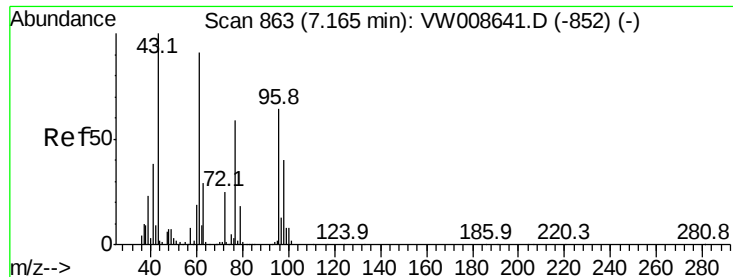
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.8

100 3.8 2.2 6.6





#25

2-Butanone

Concen: 102.778 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBSD01

Tot Ion: 43 Resp: 137989

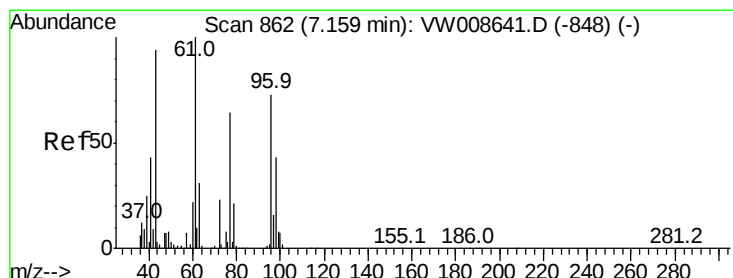
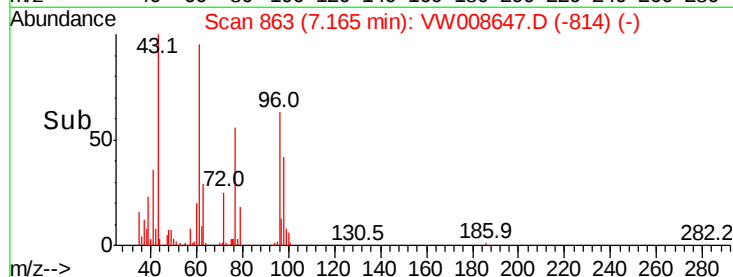
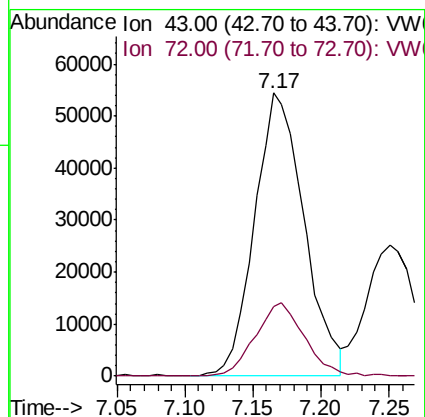
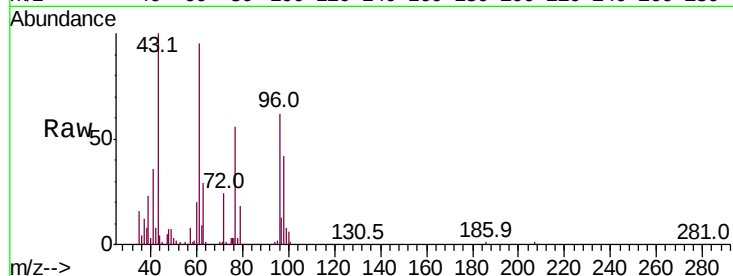
Ion Ratio Lower Upper

43 100

72 24.5 19.7 29.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.441 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008647.D

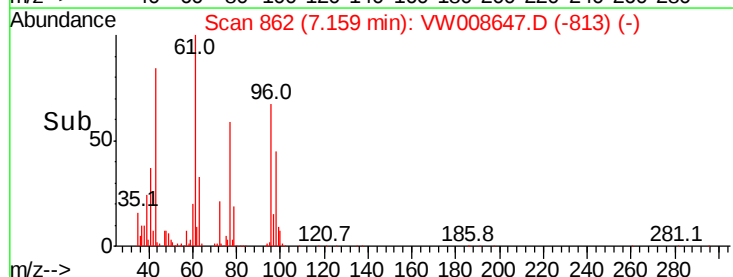
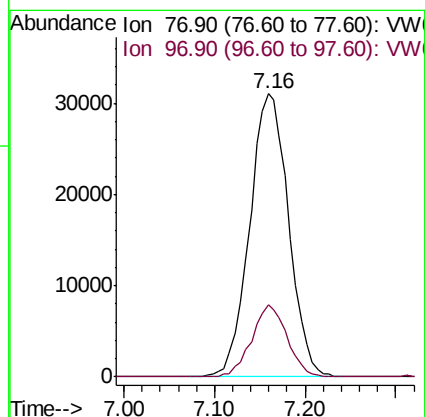
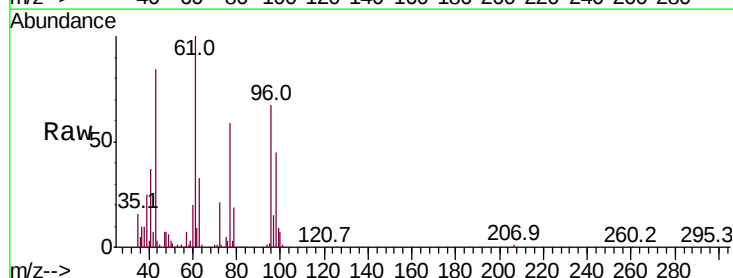
Acq: 13 Feb 2019 20:10

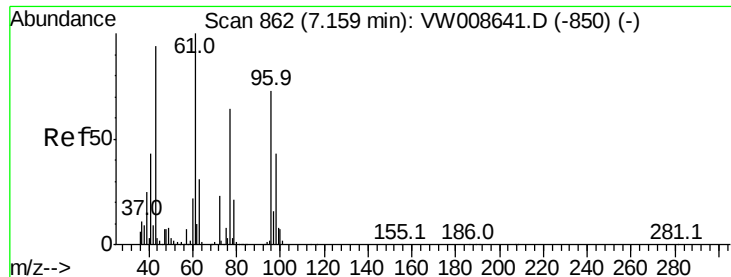
Tgt Ion: 77 Resp: 91947

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

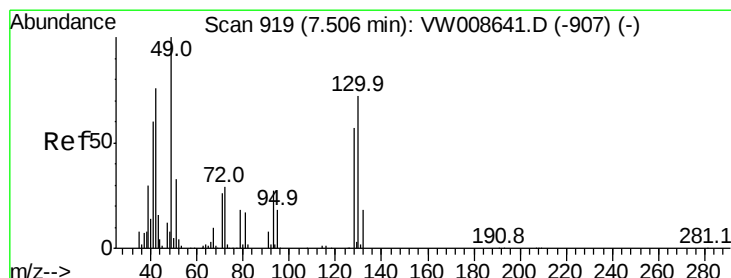
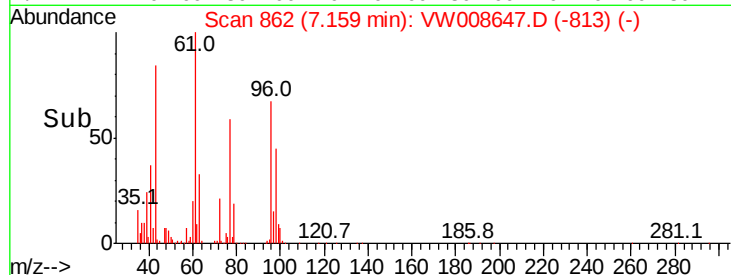
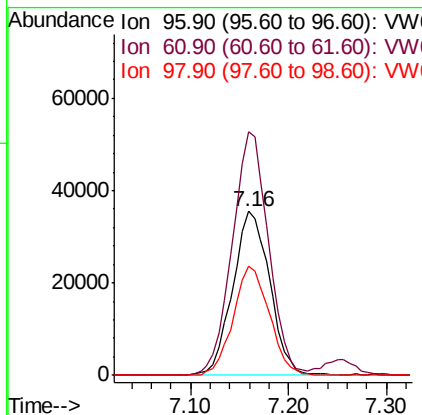
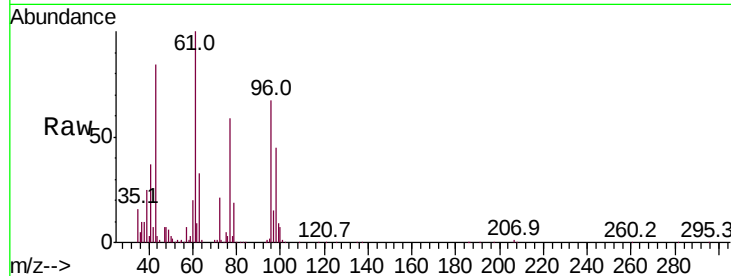
cis-1,2-Dichloroethene
Concen: 20.094 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampled :
VW0213BSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.0	0.0	286.4	
98	64.7	0.0	125.0	

Manual Integrations
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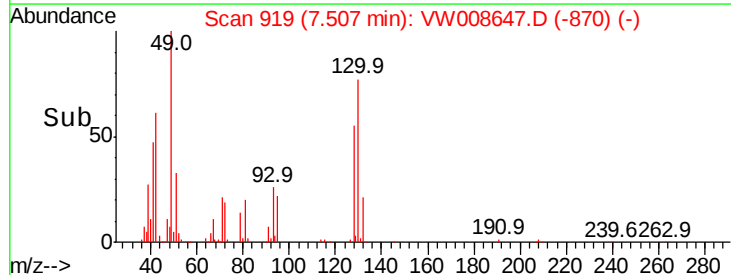
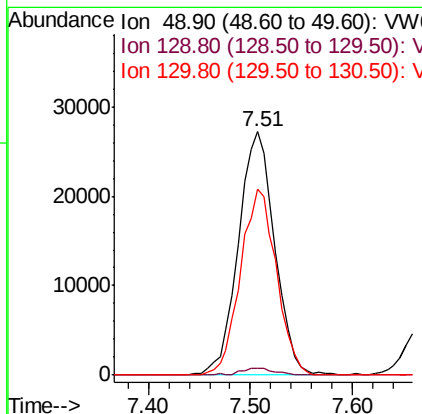
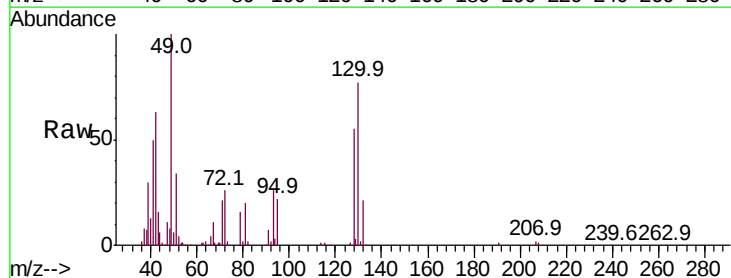
MMDadoda
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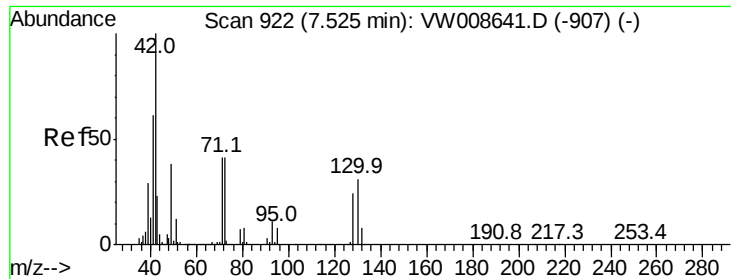


#28

Bromochloromethane
Concen: 21.037 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	3.2	
130	75.7	59.4	89.0	





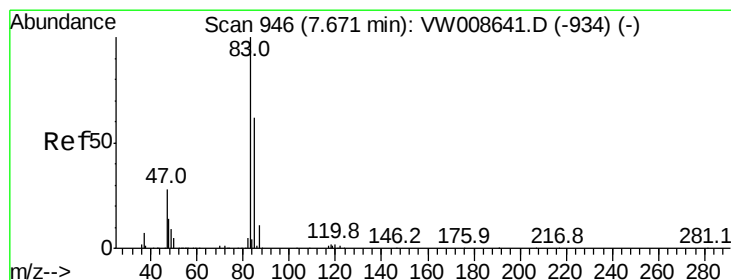
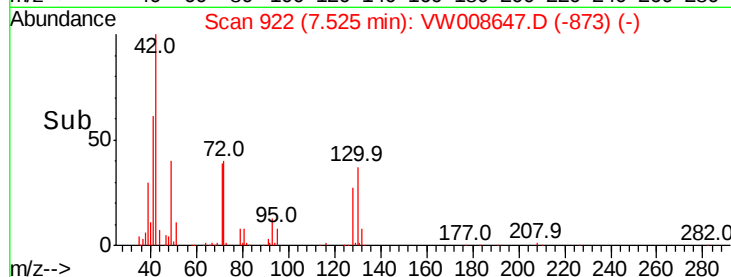
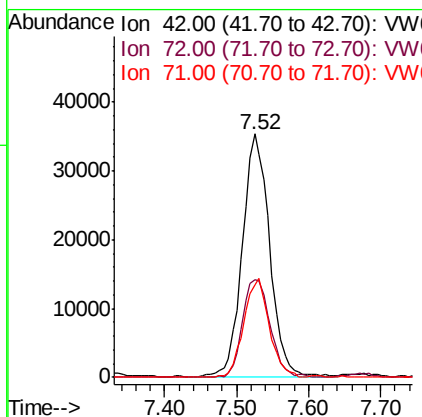
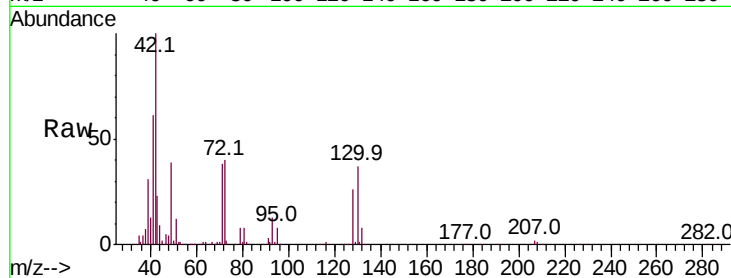
#29
Tetrahydrofuran
Concen: 104.044 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213BSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.2	48.2
71	38.3	31.0	46.6

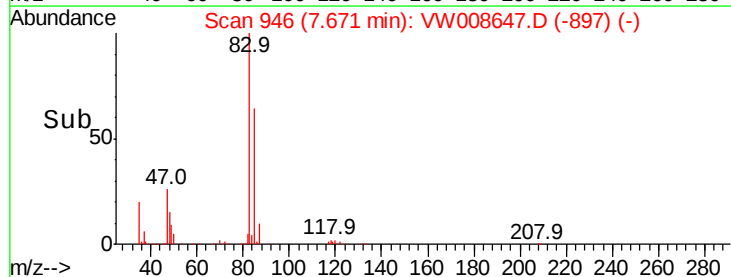
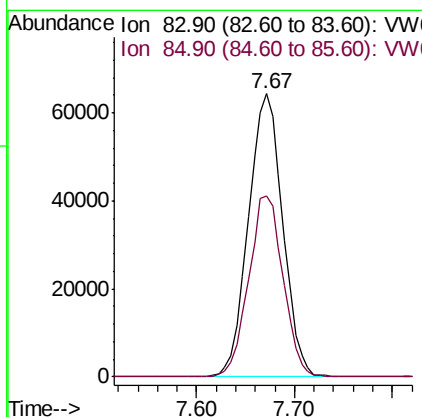
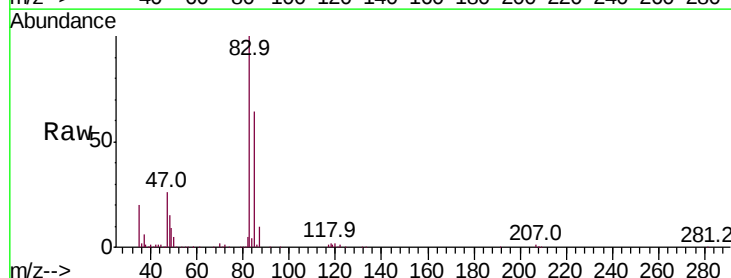
Manual Integrations
APPROVED

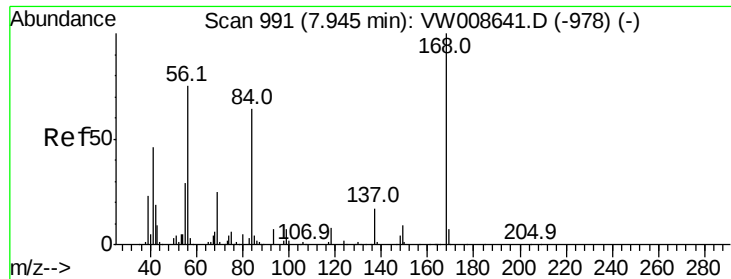
MMDadoda
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#30
Chloroform
Concen: 20.577 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.8	74.8





#31

Cyclohexane

Concen: 19.498 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

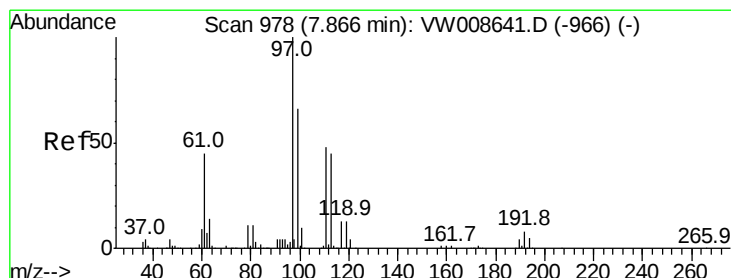
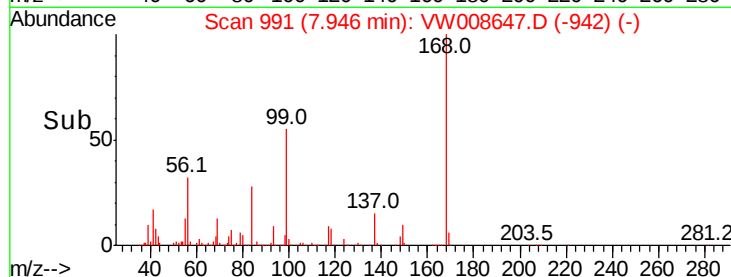
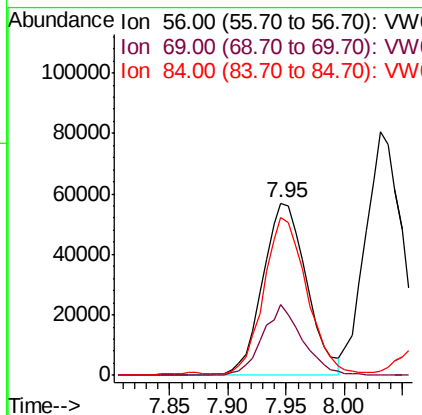
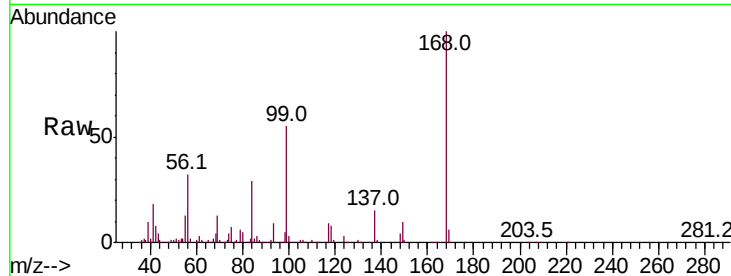
ClientSampleId :

VW0213BSD01

Tot Ion:	56	Resp:	148995
Ion Ratio	Lower	Upper	
56	100		
69	41.4	26.4	39.6#
84	90.1	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.848 ug/l

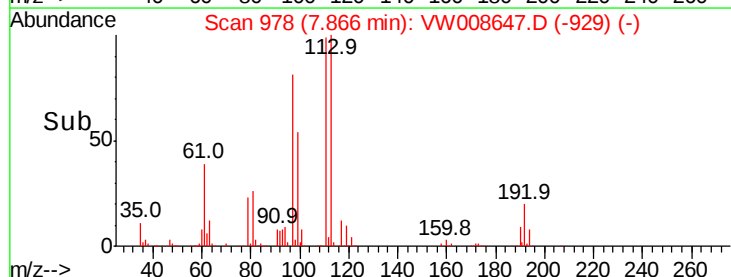
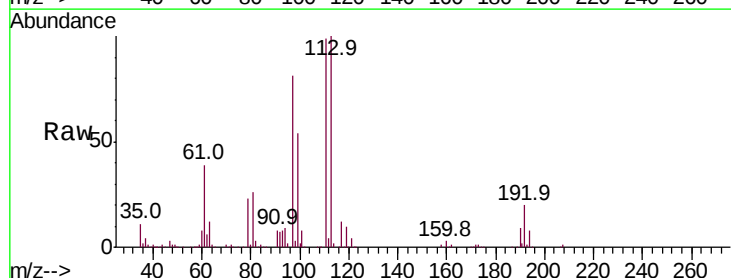
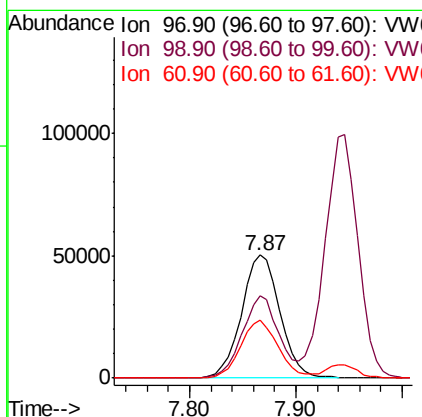
RT: 7.87 min Scan# 978

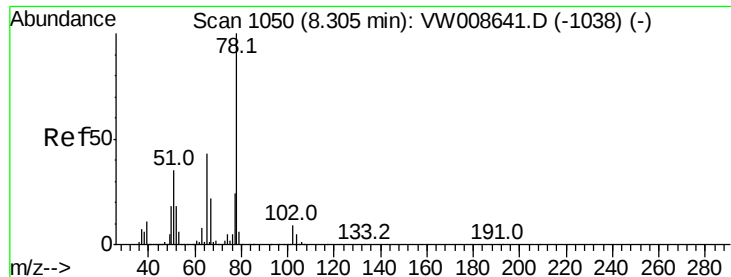
Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion:	97	Resp:	127161
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.6	77.4
61	46.4	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 53.761 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 65 Resp: 224630

Ion Ratio Lower Upper

65 100

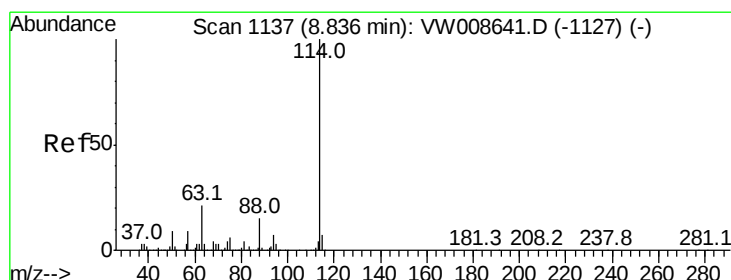
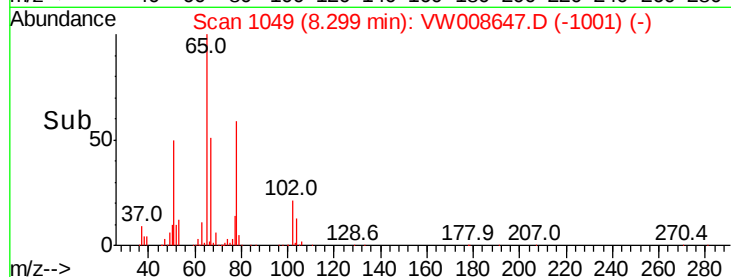
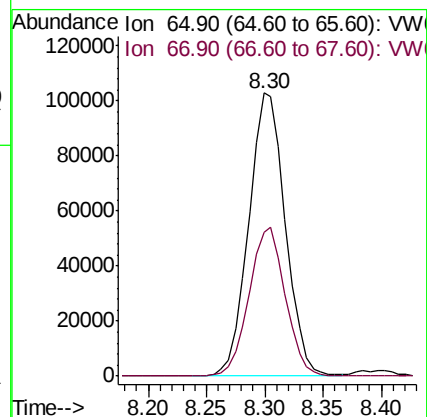
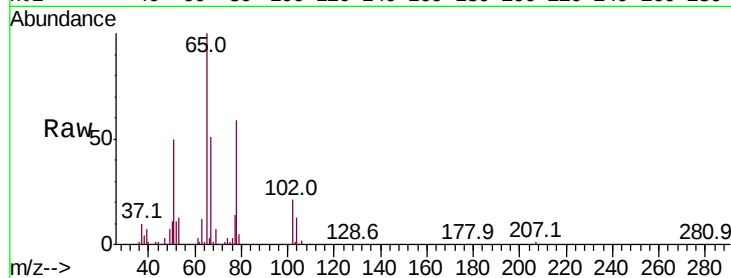
67 52.1 0.0 102.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

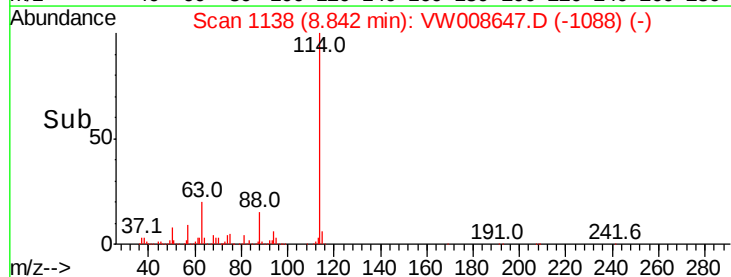
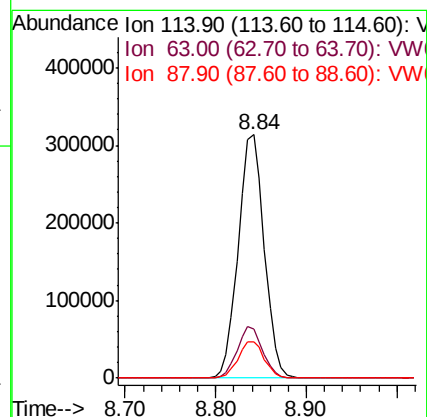
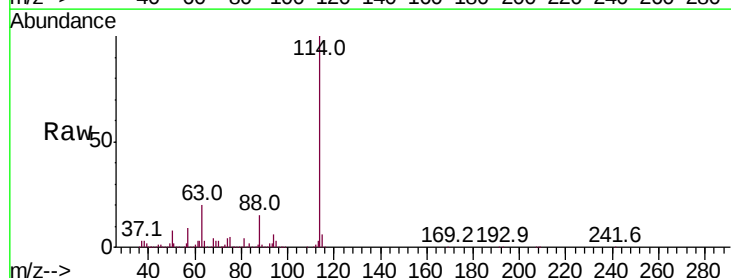
Tgt Ion: 114 Resp: 623155

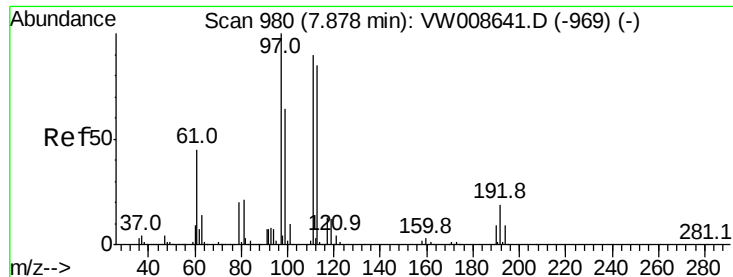
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.2

88 14.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 53.734 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

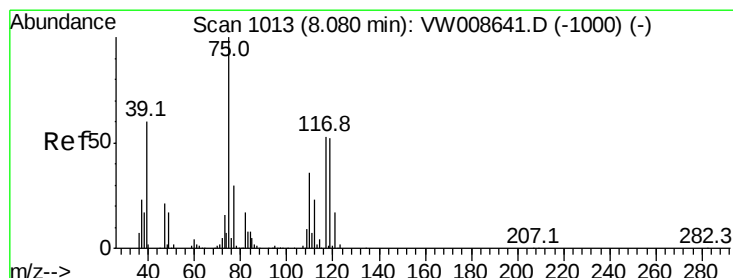
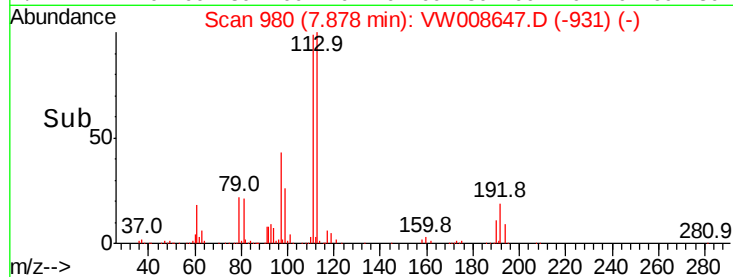
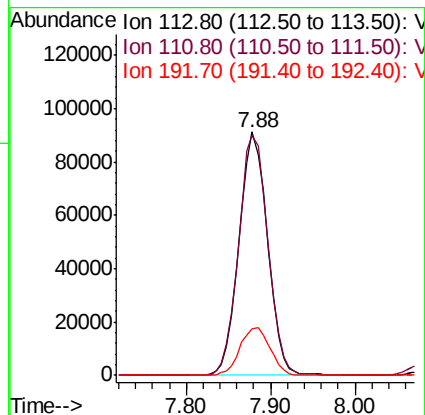
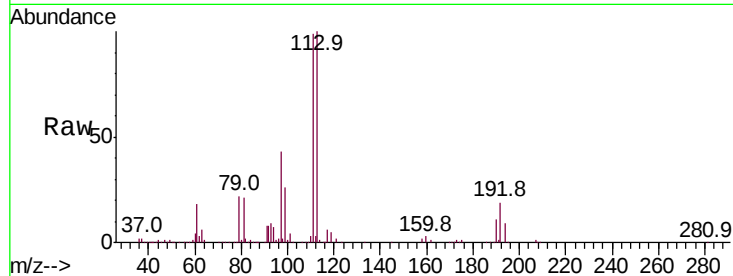
ClientSampleId :

VW0213SBS01

Tot Ion:	113	Resp:	207919
Ion Ratio	Lower	Upper	
113	100		
111	101.6	84.0	126.0
192	20.6	17.4	26.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.944 ug/l

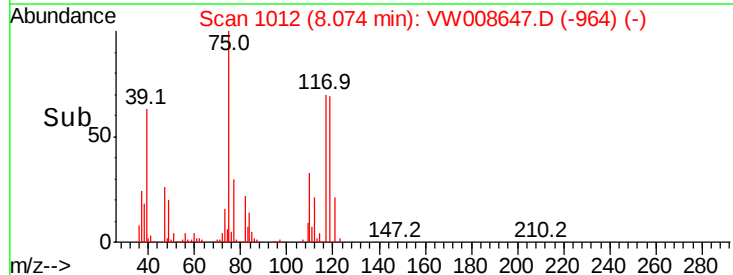
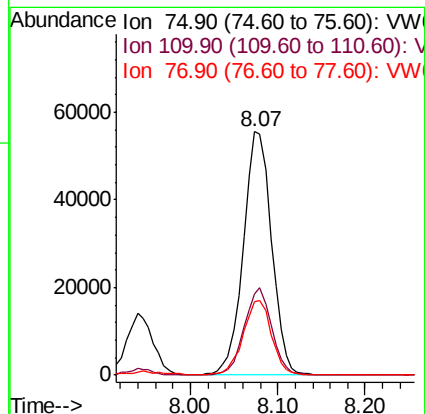
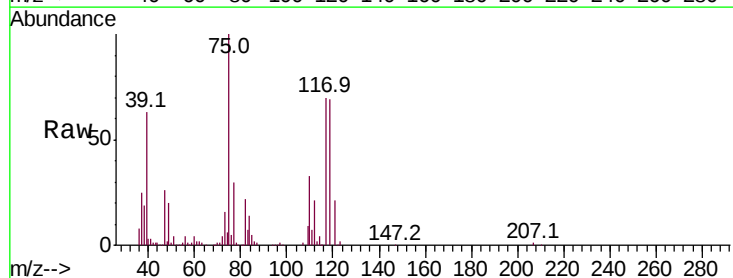
RT: 8.07 min Scan# 1012

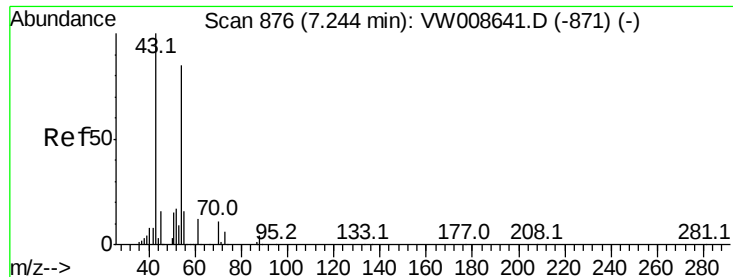
Delta R.T. -0.01 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion:	75	Resp:	124866
Ion Ratio	Lower	Upper	
75	100		
110	34.6	17.8	53.3
77	30.8	24.7	37.1





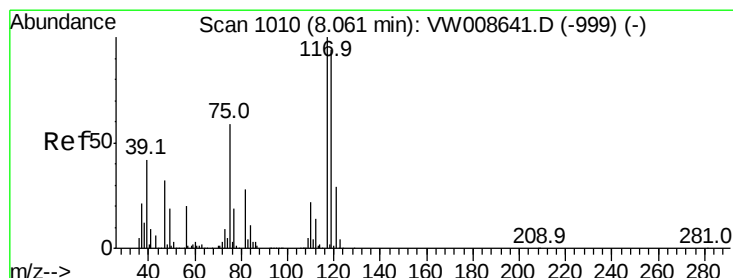
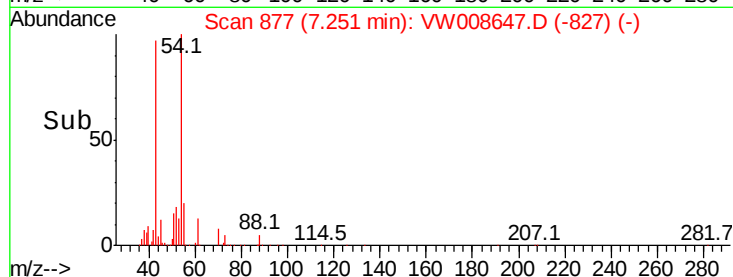
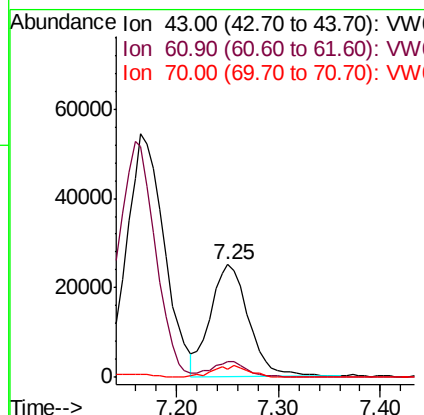
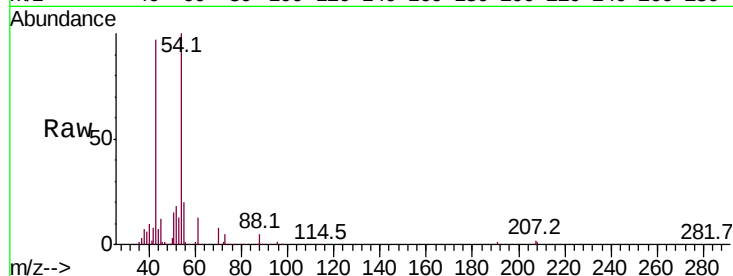
#37
Ethyl Acetate
Concen: 21.624 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampled :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.8	8.1	12.1

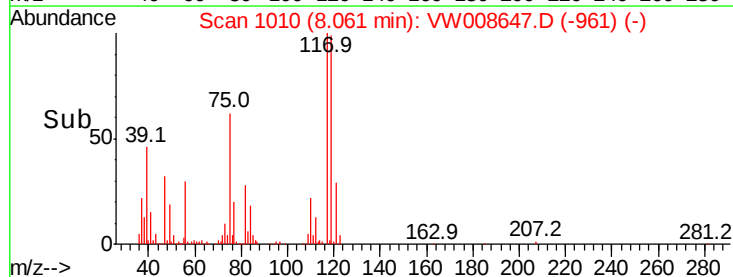
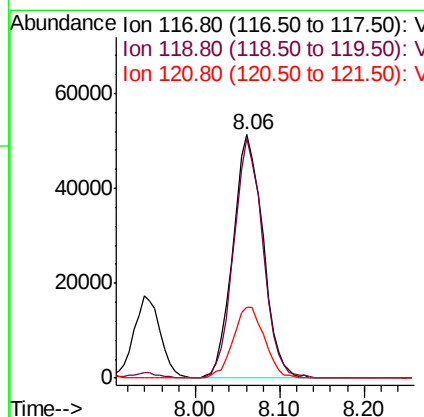
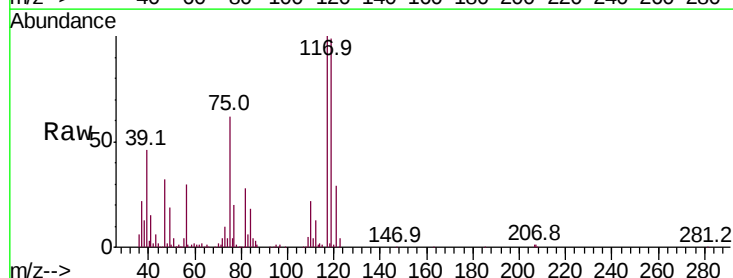
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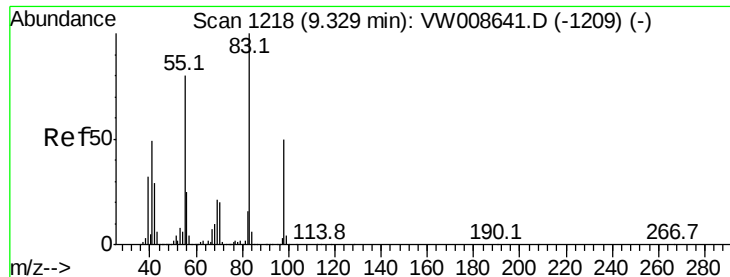
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.995 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.1	112.7
121	29.0	23.5	35.3





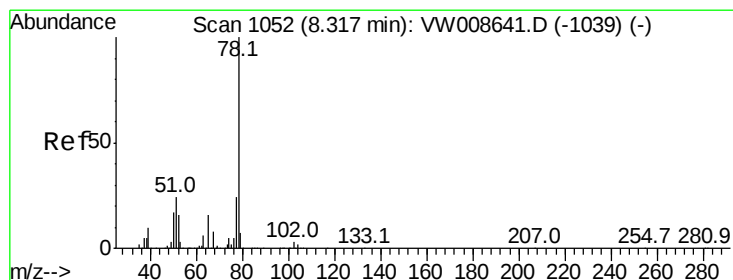
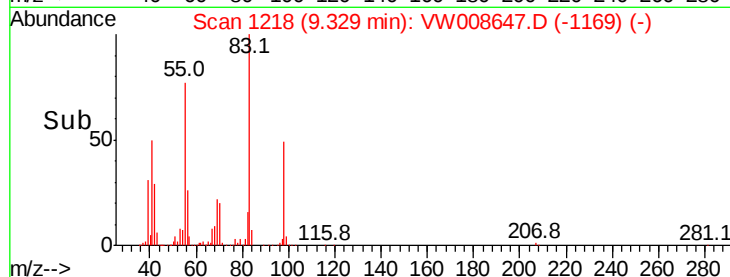
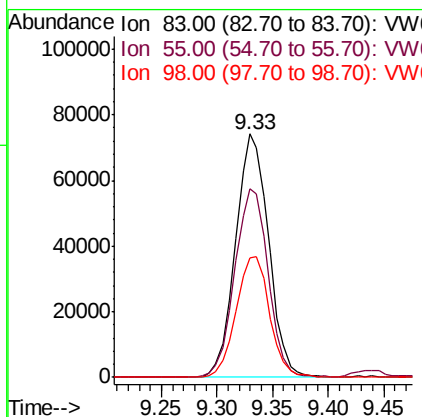
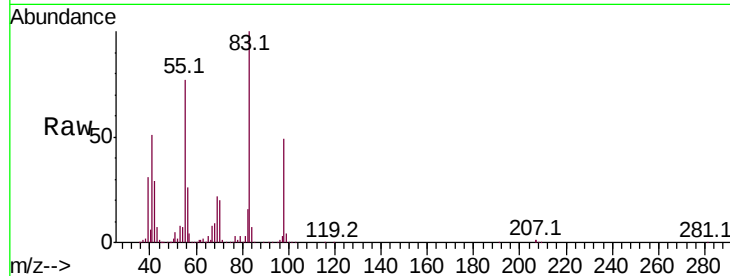
#39
Methvlcvclohexane
Concen: 19.276 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.9	95.9
98	49.0	40.2	60.2

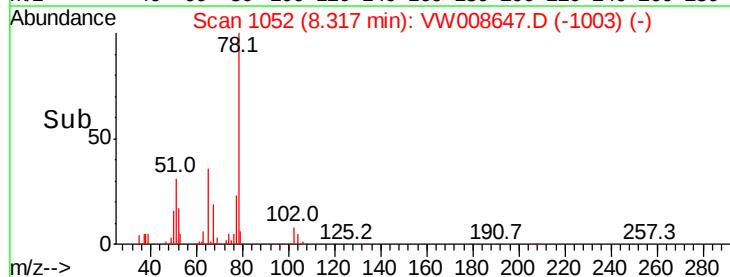
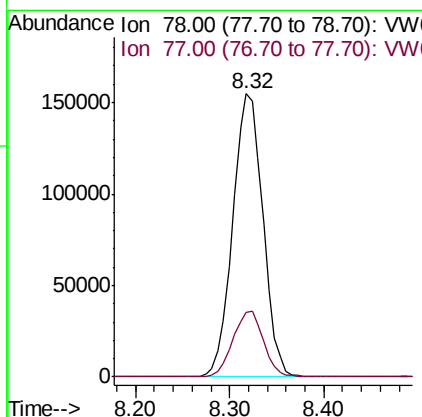
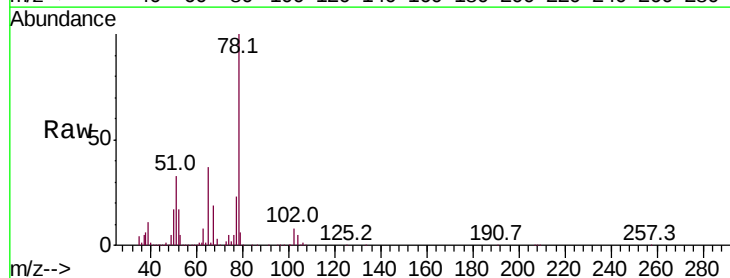
Manual Integrations
APPROVED

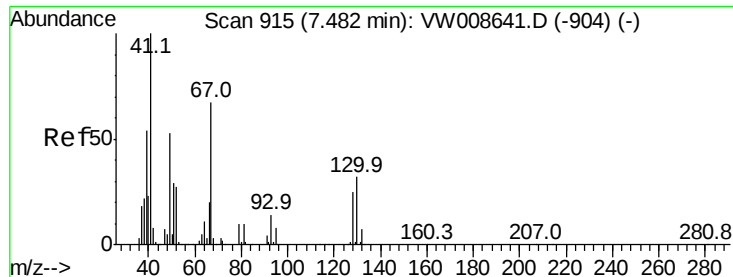
MMDadoda
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#40
Benzene
Concen: 20.176 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.5	29.3





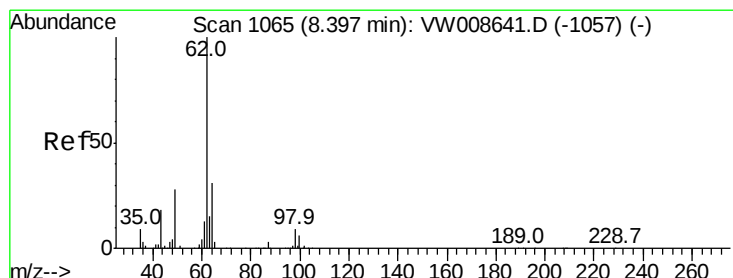
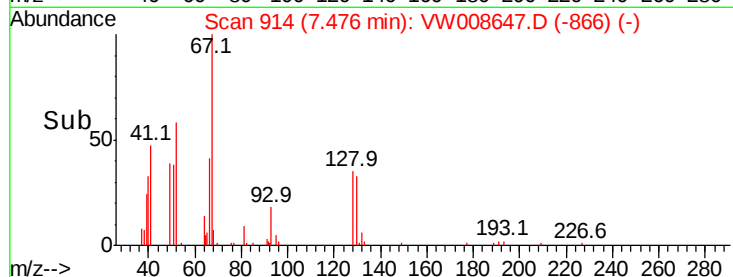
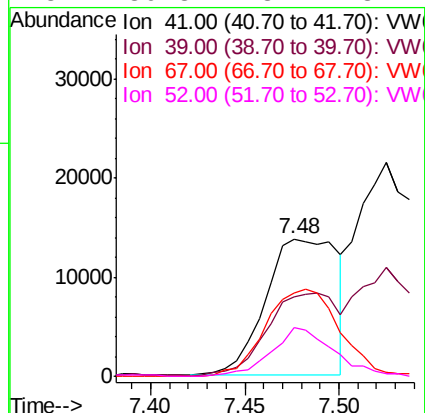
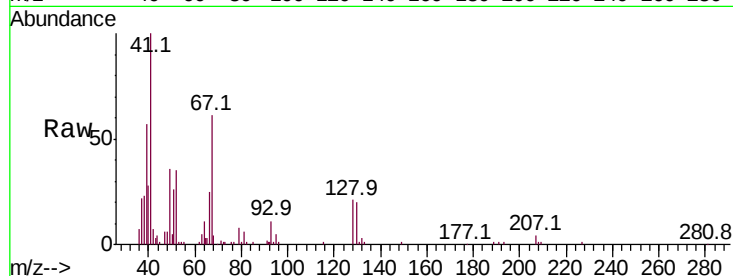
#41
Methacrylonitrile
Concen: 21.601 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.6	39.7	59.5
67	65.6	52.5	78.7
52	30.3	23.1	34.7

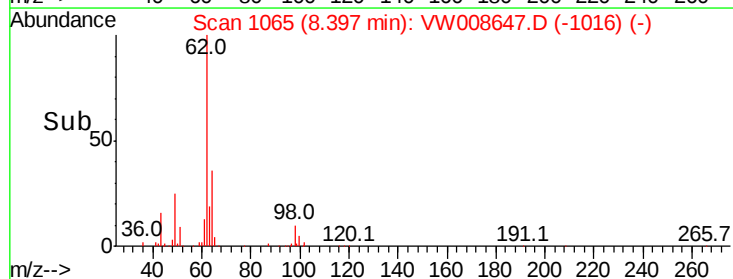
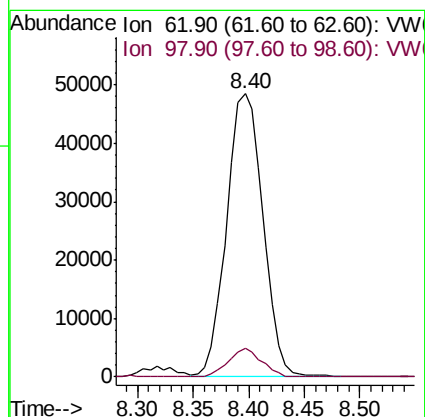
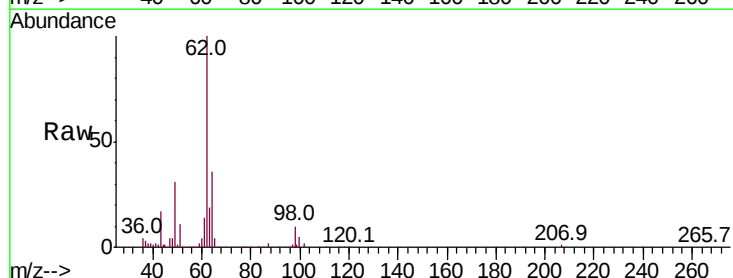
Manual Integrations
APPROVED

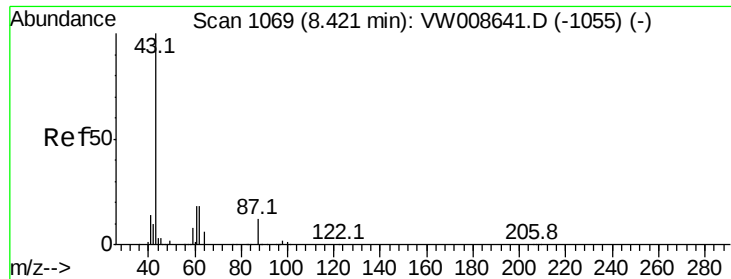
MMDadoda
2/14/2019 2:10:51 PM



#42
1,2-Dichloroethane
Concen: 20.717 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43

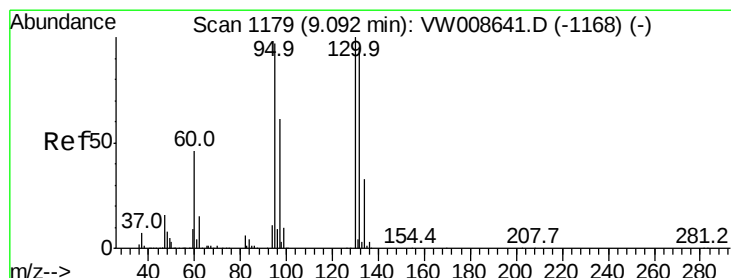
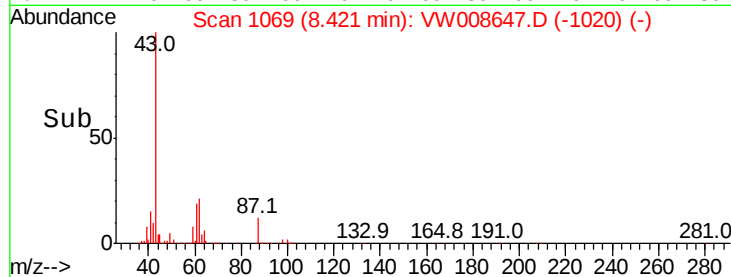
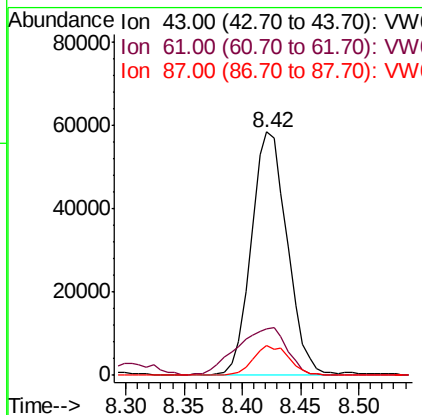
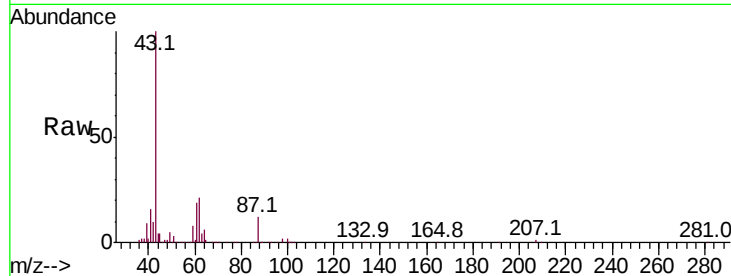
Isopropyl Acetate
 Concen: 20.714 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.4	32.2
87	12.3	9.8	14.8

Manual Integrations
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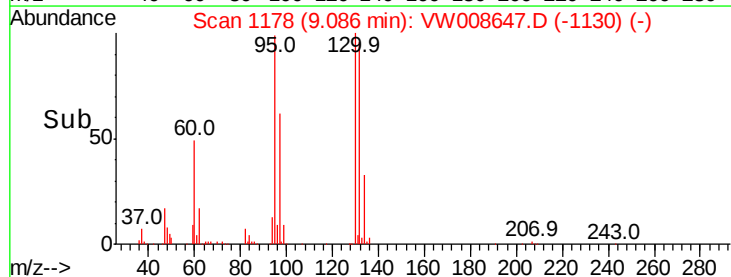
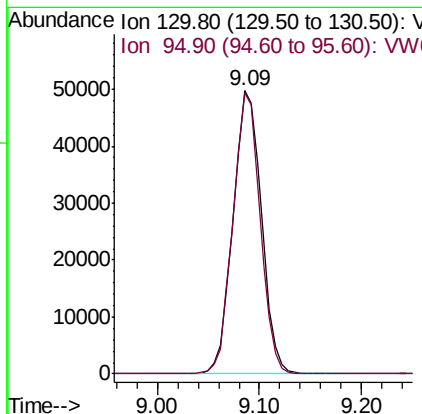
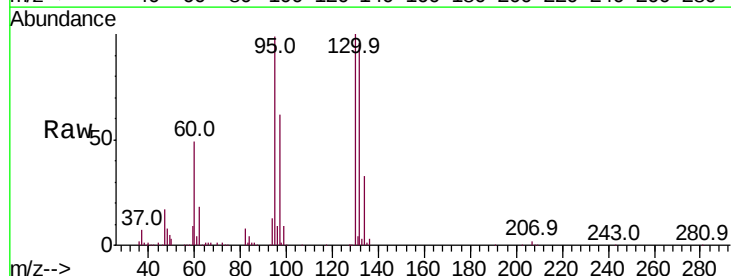
MMDadoda
 2/14/2019 2:10:51 PM

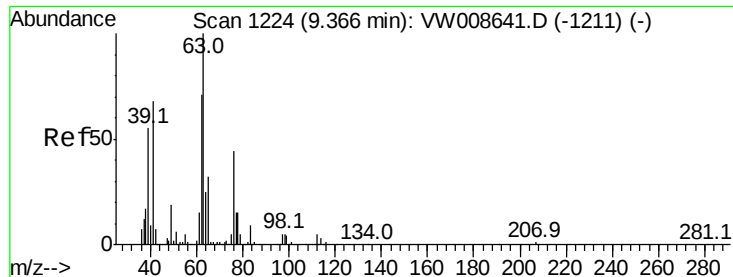


#44

Trichloroethene
 Concen: 20.178 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	193.4





#45

1,2-Dichloropropane

Concen: 20.220 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 63 Resp: 85561

Ion Ratio Lower Upper

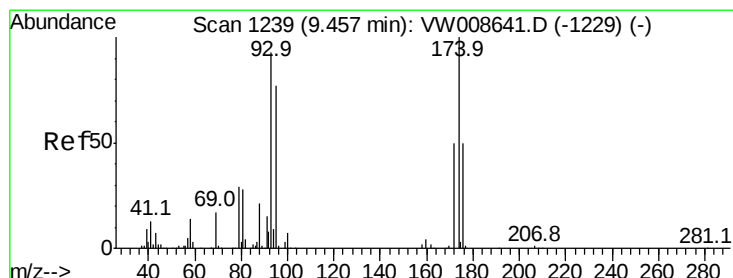
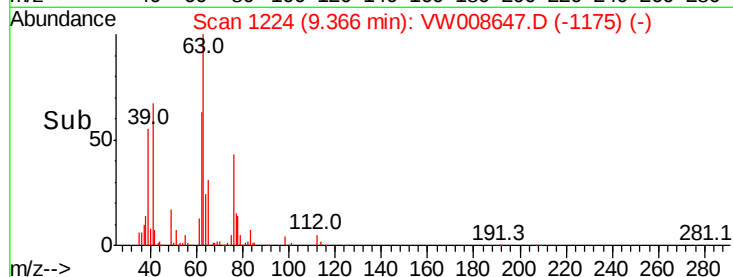
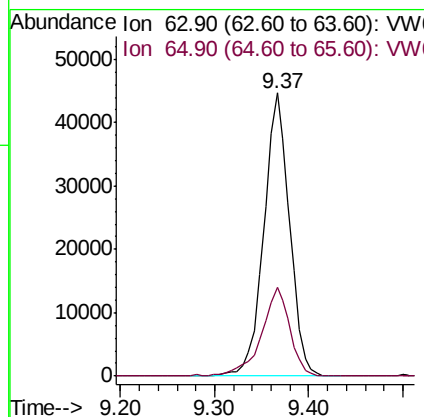
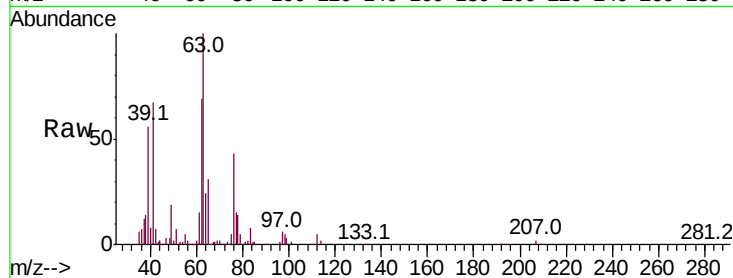
63 100

65 31.0 25.4 38.0

Manual Integrations
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#46

Dibromomethane

Concen: 20.570 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

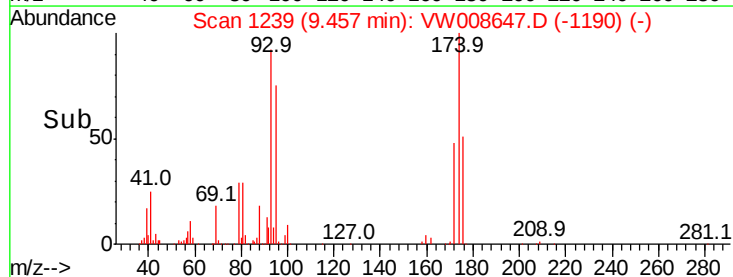
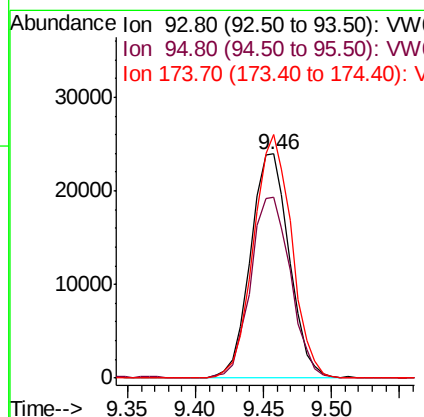
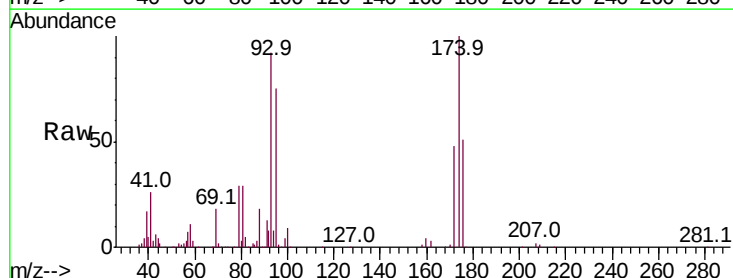
Tgt Ion: 93 Resp: 47948

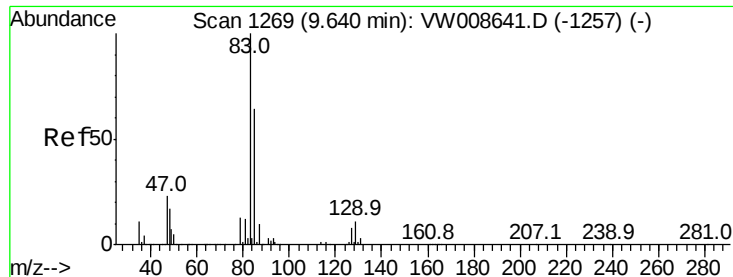
Ion Ratio Lower Upper

93 100

95 83.0 65.8 98.8

174 106.5 82.5 123.7





#47

Bromodichloromethane

Concen: 20.549 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

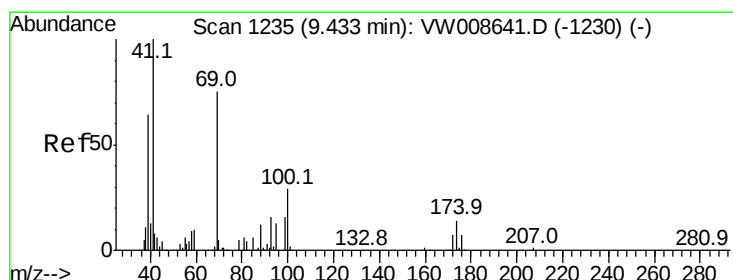
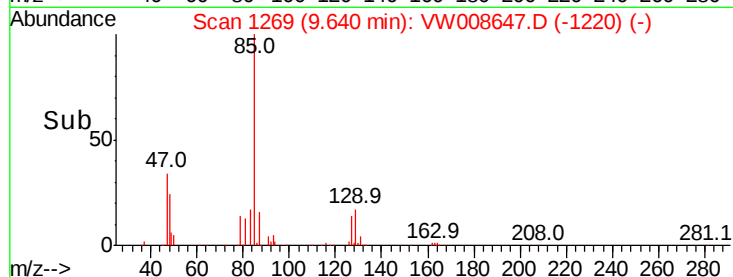
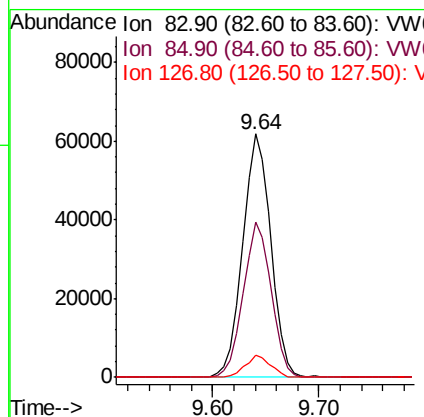
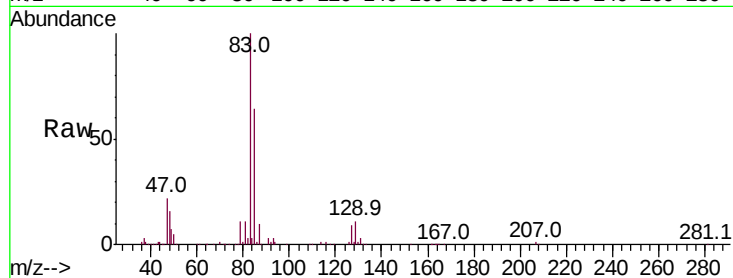
ClientSampleId :

VW0213SBS01

Tot Ion:	83	Resp:	115119
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.2	76.8
127	9.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.773 ug/l

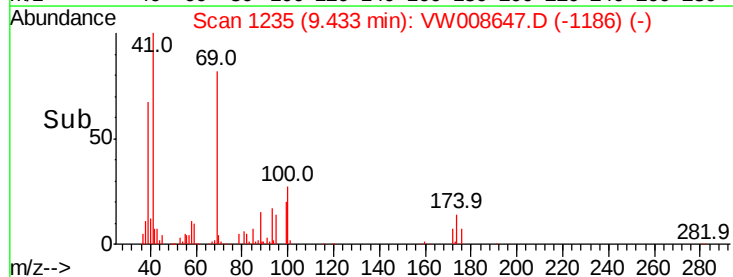
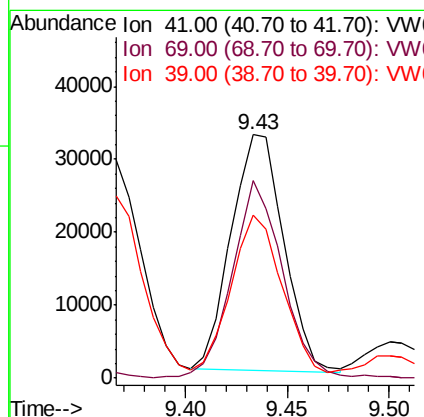
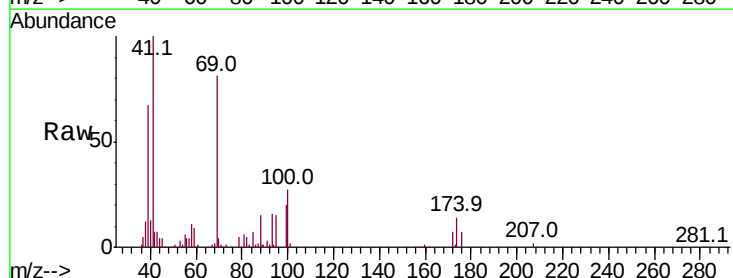
RT: 9.43 min Scan# 1235

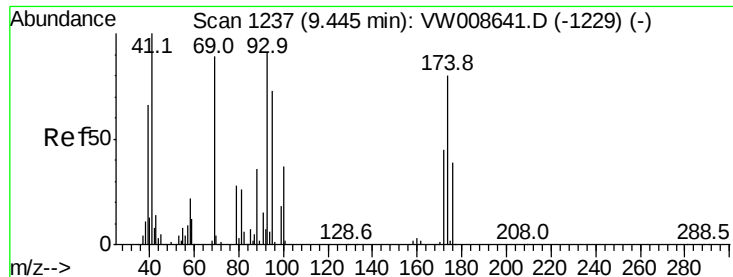
Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion:	41	Resp:	57973
Ion Ratio	Lower	Upper	
41	100		
69	79.8	64.1	96.1
39	68.3	52.3	78.5





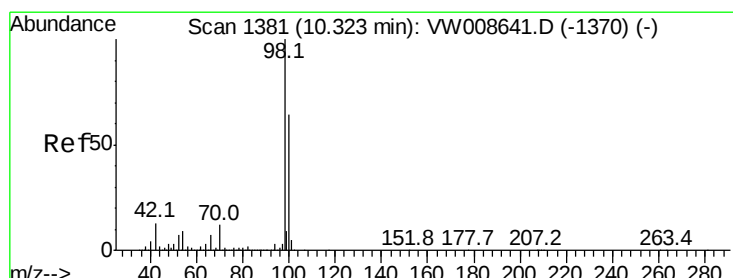
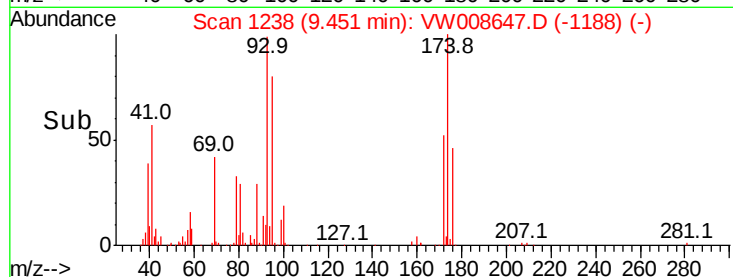
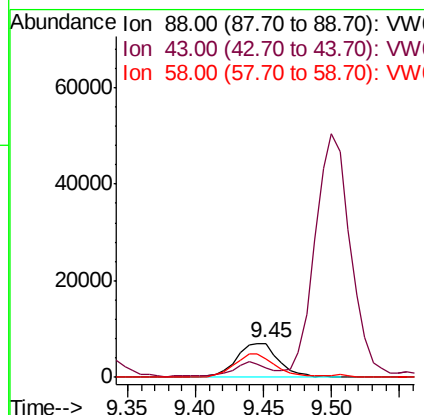
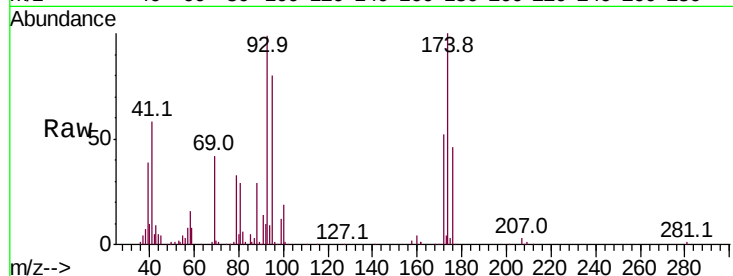
#49
1,4-Dioxane
Concen: 410.980 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213BSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	31.0	46.6
58	69.4	57.0	85.6

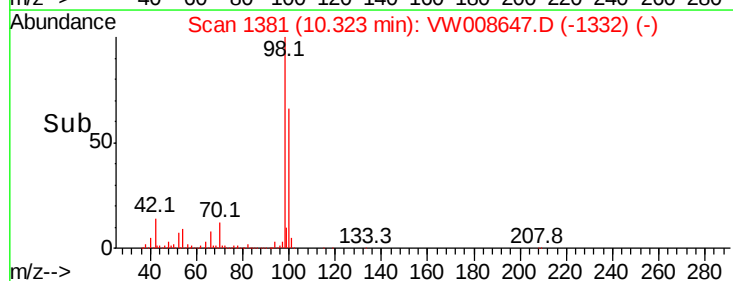
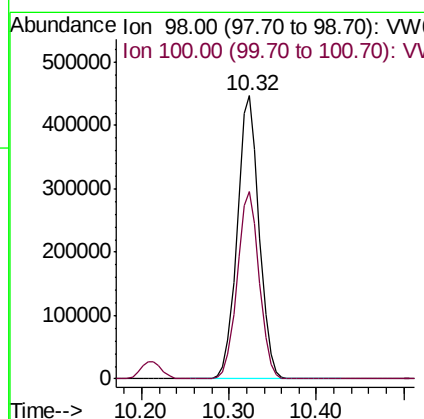
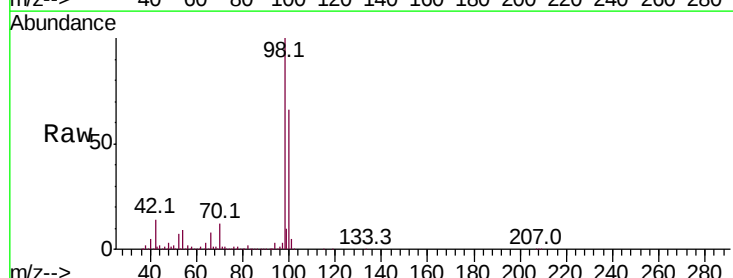
Manual Integrations
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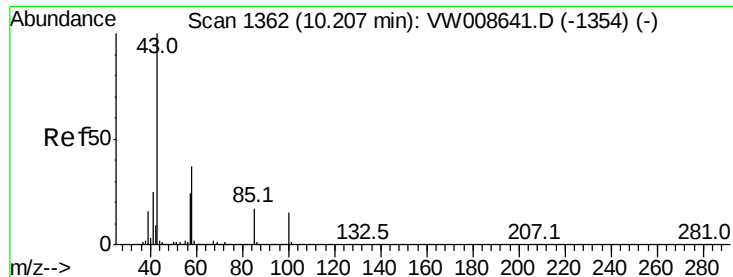
MMDadoda
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#50
Toluene-d8
Concen: 52.152 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 104.871 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 43 Resp: 324412

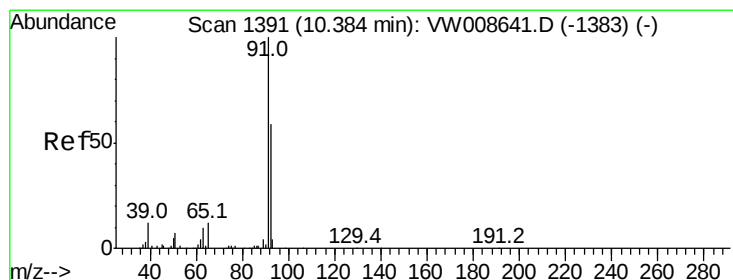
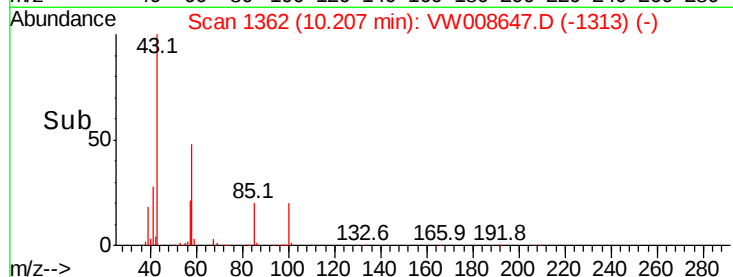
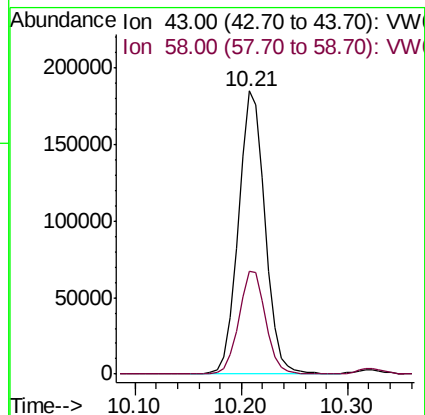
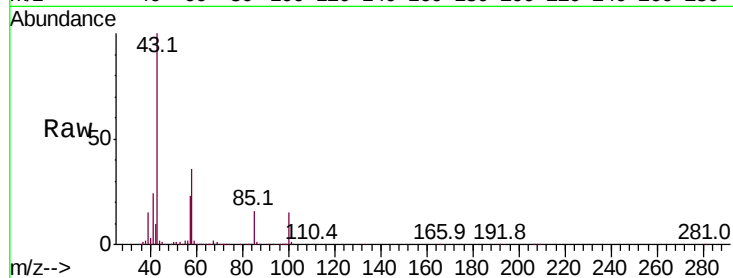
Ion Ratio Lower Upper

43 100

58 36.7 29.0 43.6

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#52

Toluene

Concen: 19.968 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008647.D

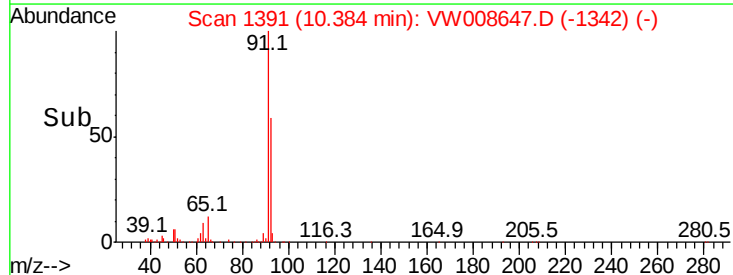
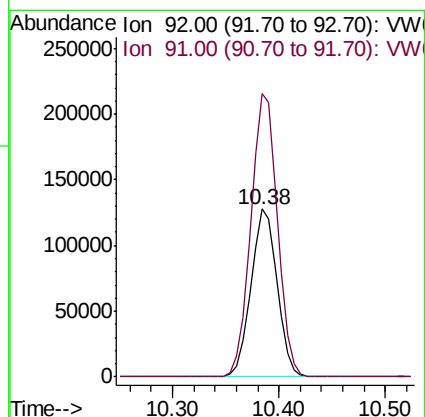
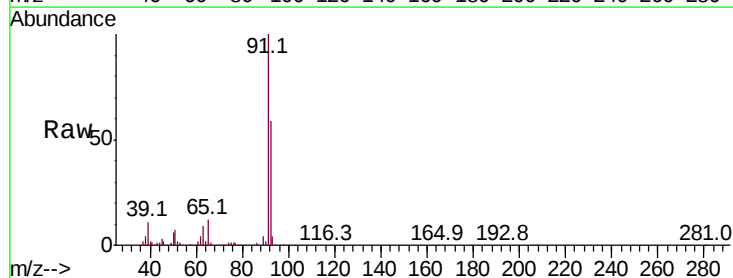
Acq: 13 Feb 2019 20:10

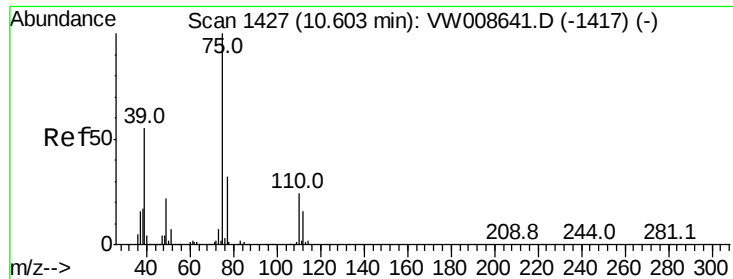
Tgt Ion: 92 Resp: 220263

Ion Ratio Lower Upper

92 100

91 171.6 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 19.782 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 75 Resp: 116421

Ion Ratio Lower Upper

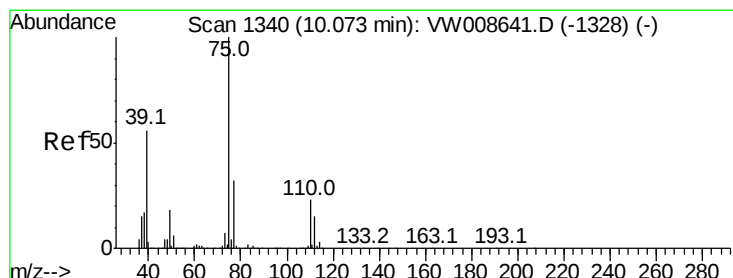
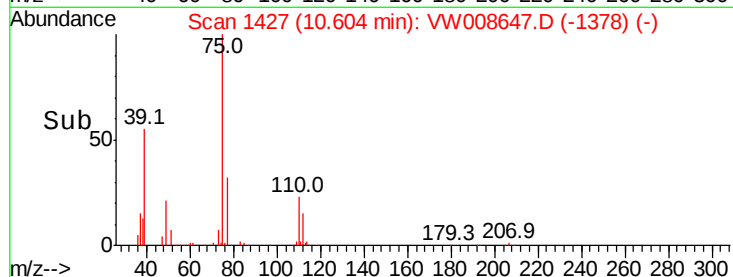
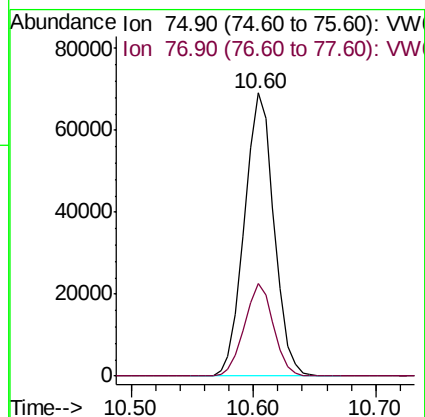
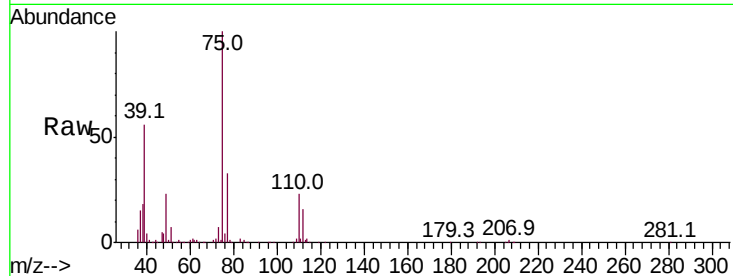
75 100

77 32.6 25.7 38.5

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.296 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

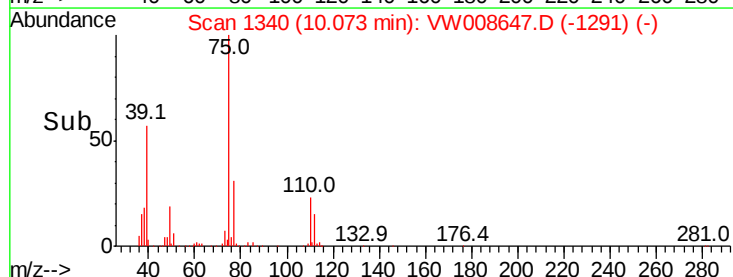
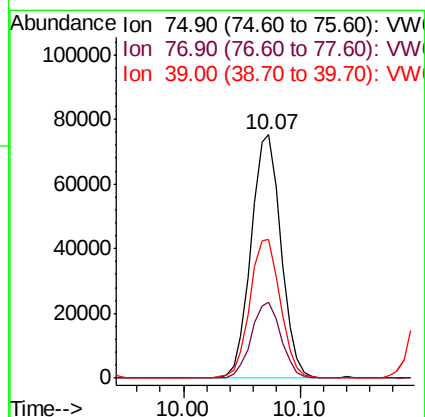
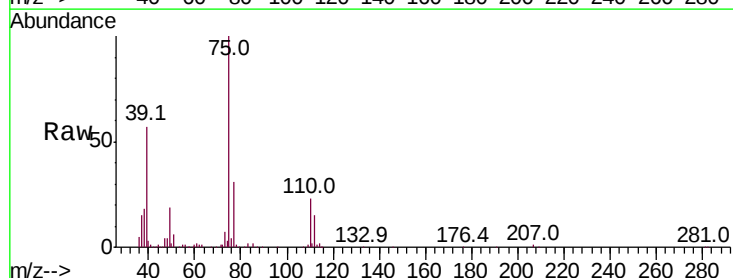
Tgt Ion: 75 Resp: 135407

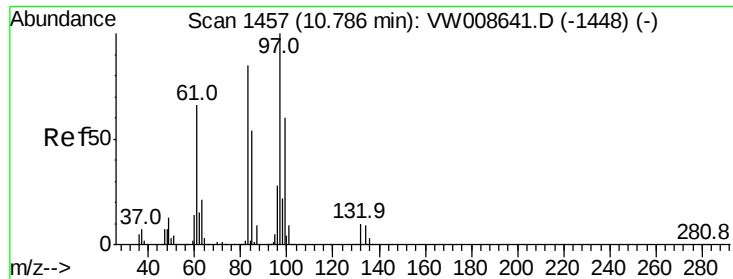
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 56.9 44.5 66.7





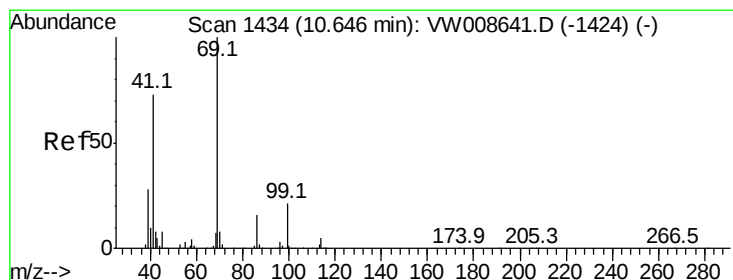
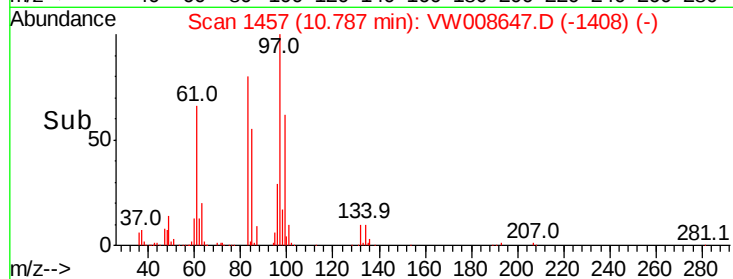
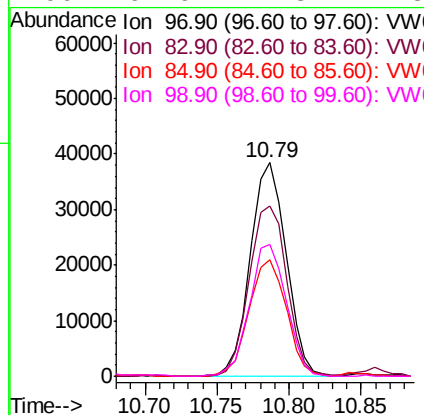
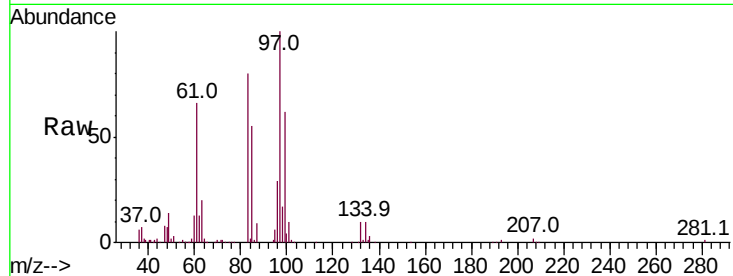
#55
 1,1,2-Trichloroethane
 Concen: 20.796 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		66514		
83	79.7	68.4	102.6		
85	54.8	43.1	64.7		
99	61.6	47.8	71.8		

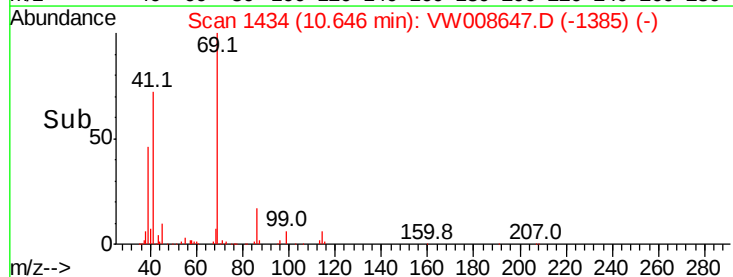
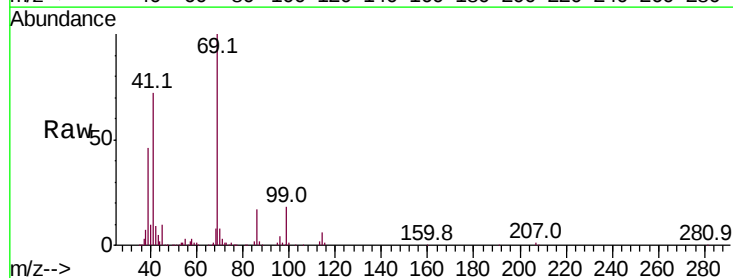
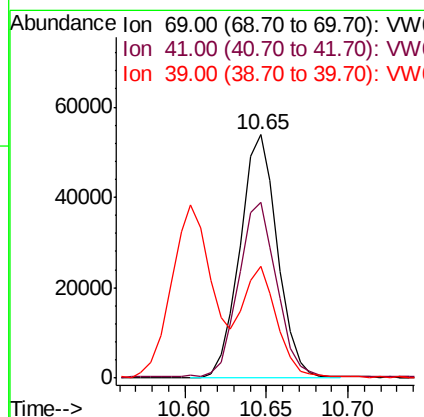
Manual Integrations
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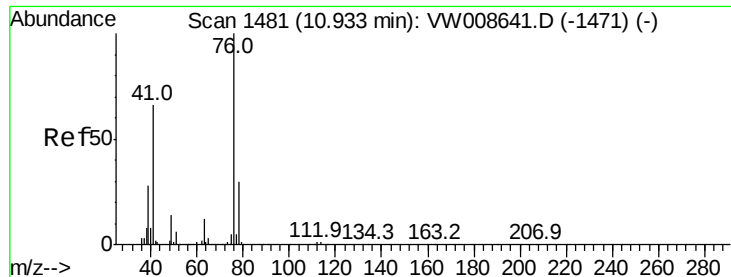
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#56
 Ethyl methacrylate
 Concen: 20.346 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		86413		
41	72.9	59.0	88.4		
39	42.0	34.4	51.6		





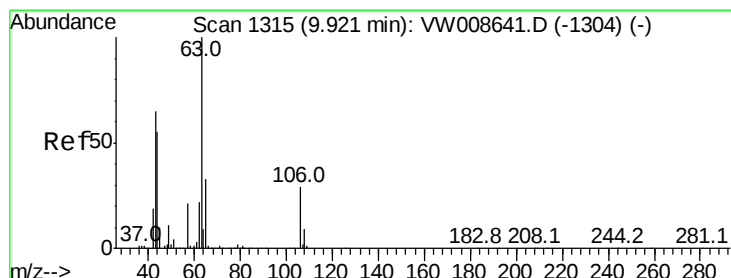
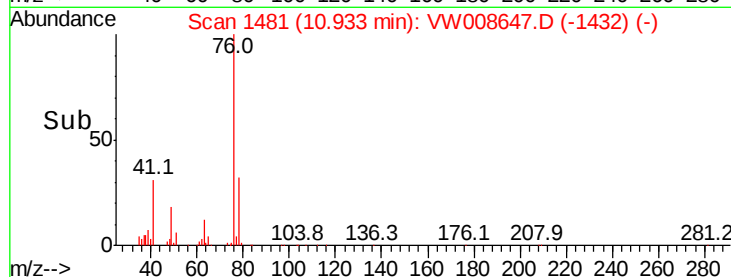
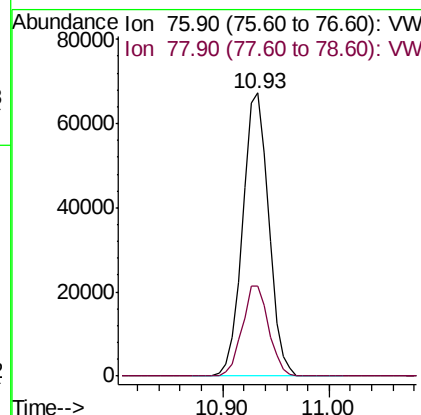
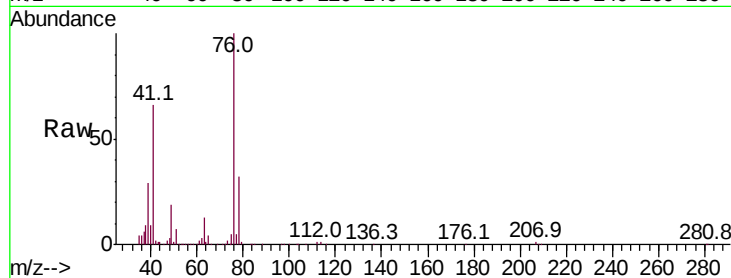
#57
 1,3-Dichloropropane
 Concen: 20.464 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.0

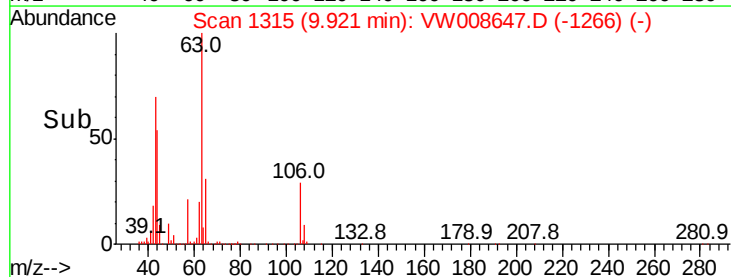
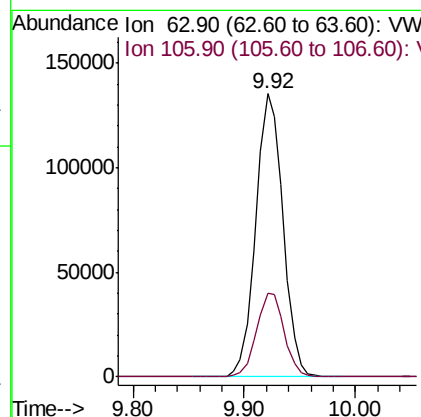
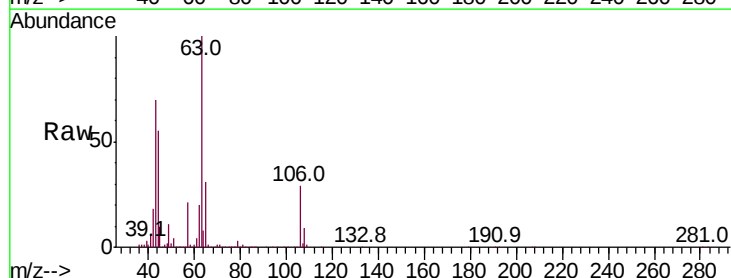
Manual Integrations
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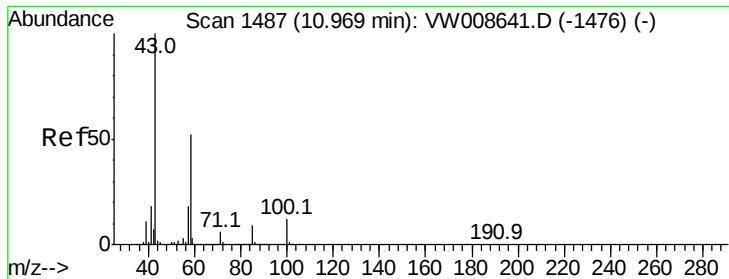
MMDadoda
 2/14/2019 2:10:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.201 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.4	35.2





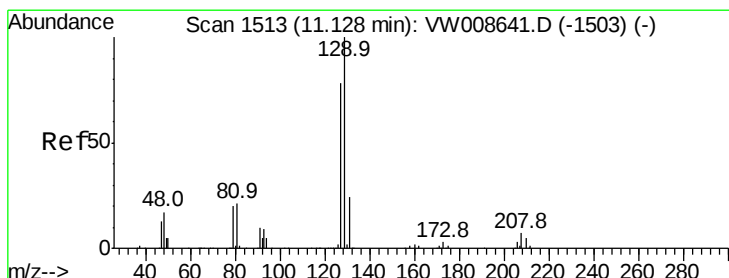
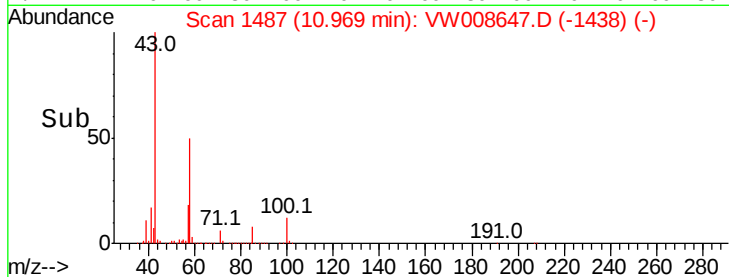
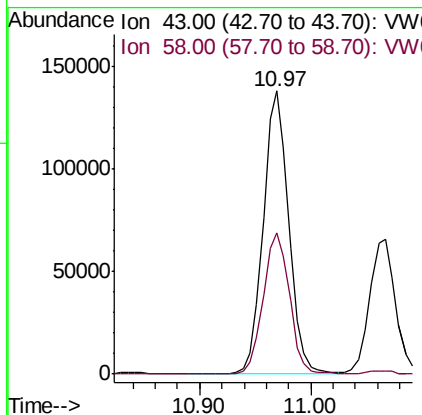
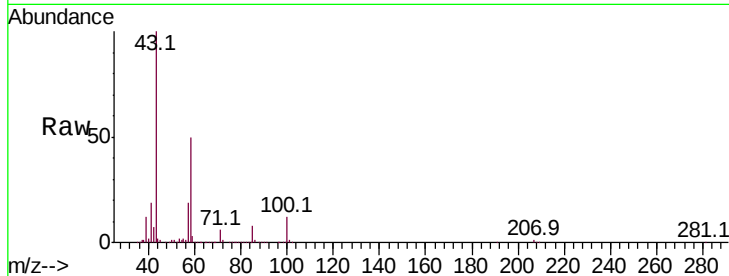
#59
2-Hexanone
Concen: 101.311 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBSD01

Tot Ion: 43 Resp: 220164
Ion Ratio Lower Upper
43 100
58 51.5 25.6 76.6

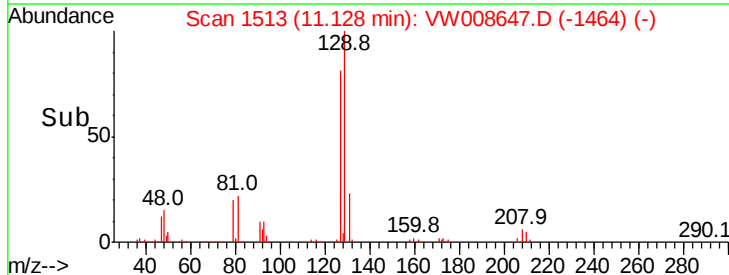
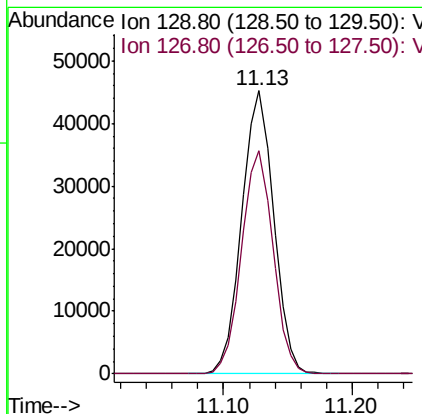
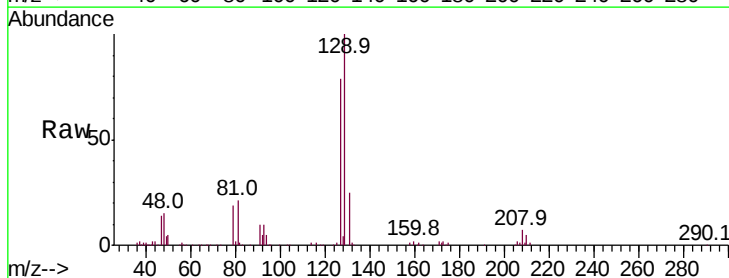
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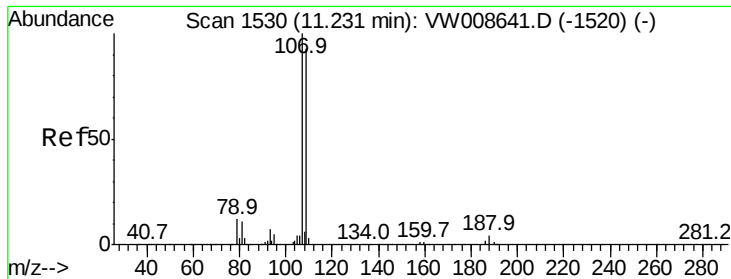
MMDadoda
2/14/2019 2:10:51 PM



#60
Dibromochloromethane
Concen: 20.273 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion:129 Resp: 77584
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





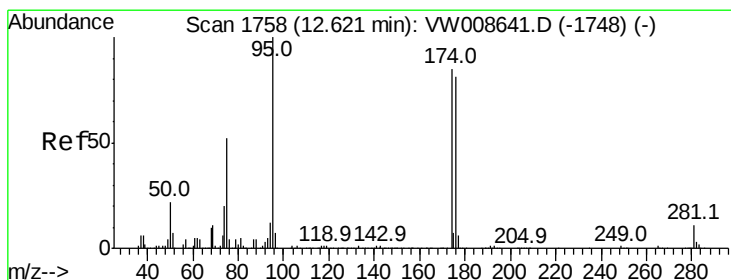
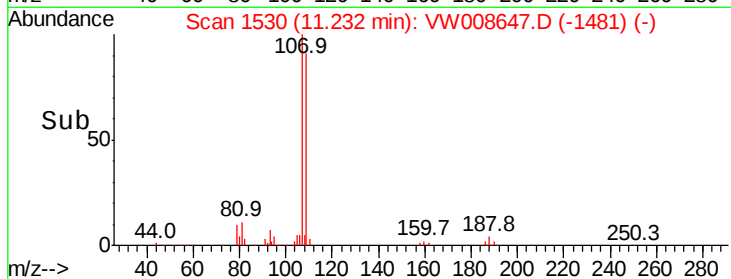
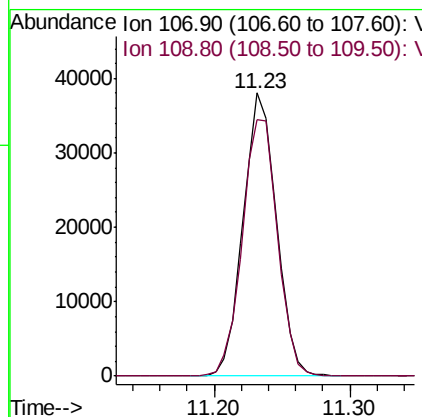
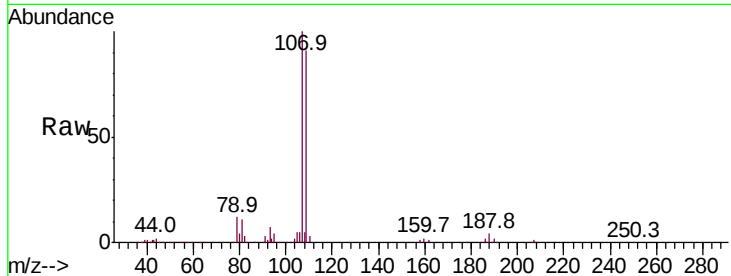
#61
 1,2-Dibromoethane
 Concen: 20.699 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213BSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.8	112.2

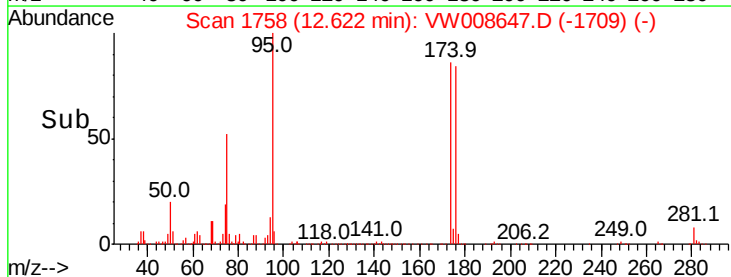
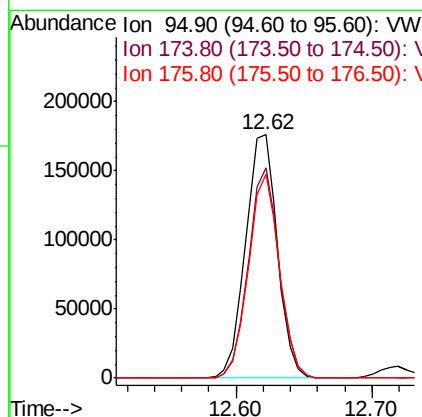
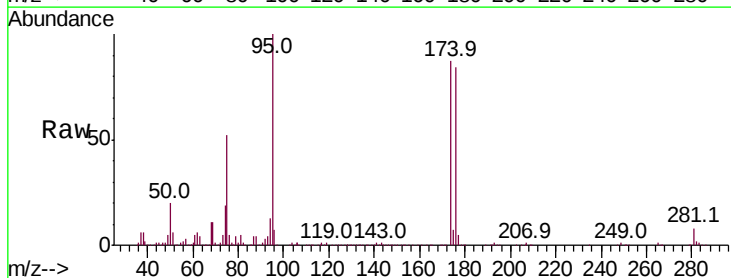
Manual Integrations
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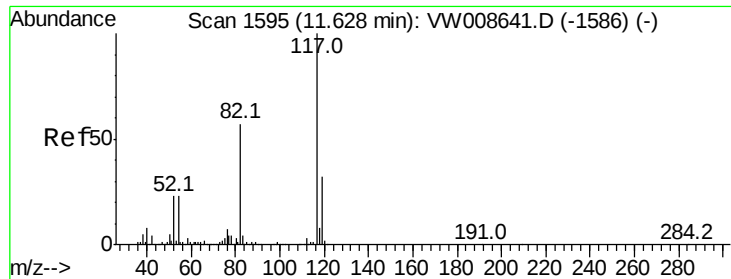
MMDadoda
 2/14/2019 2:10:51 PM



#62
 4-Bromofluorobenzene
 Concen: 51.327 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	163.2
176	81.5	0.0	158.0





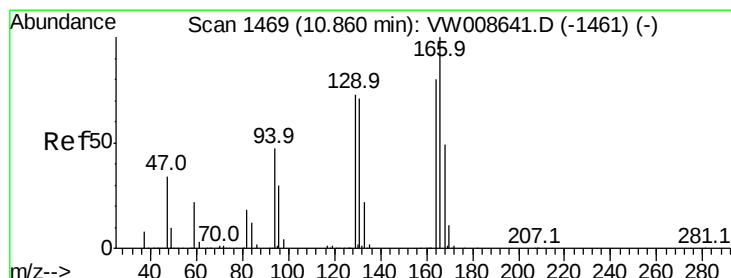
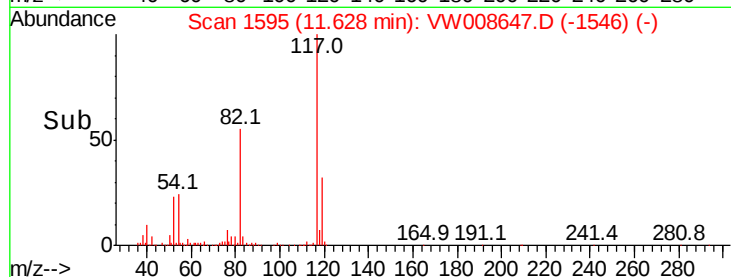
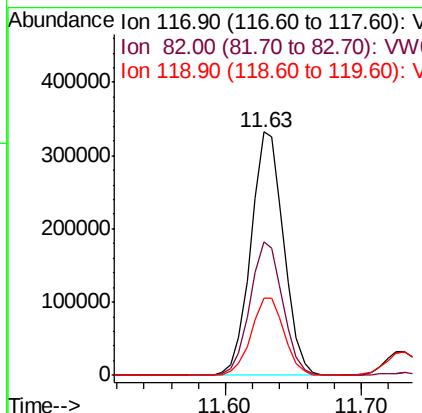
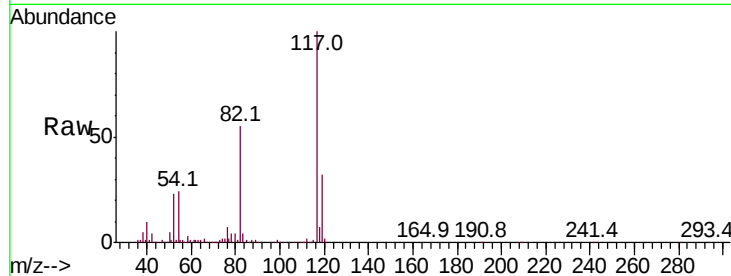
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBSD01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.6	45.6	68.4
119	31.7	25.7	38.5

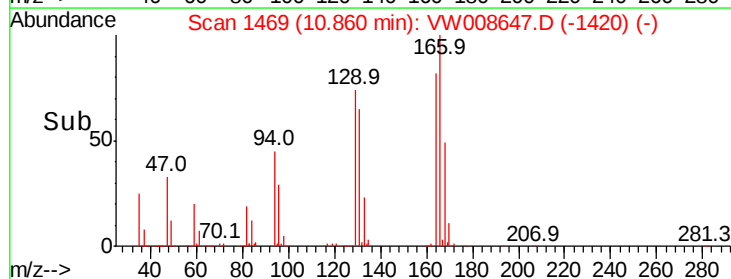
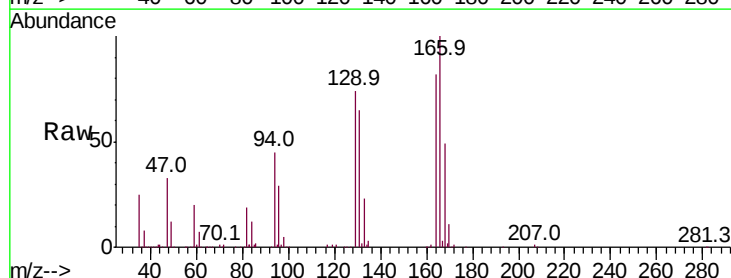
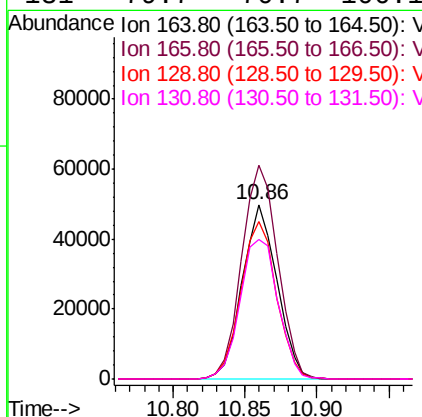
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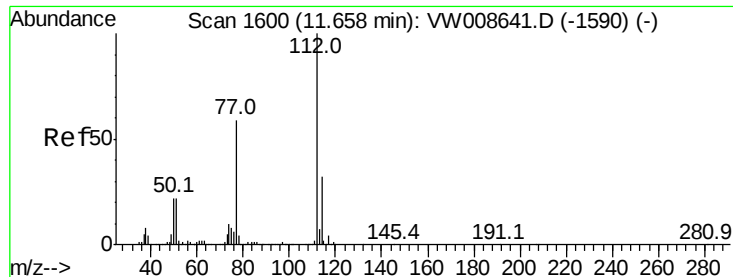
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#64
Tetrachloroethene
Concen: 20.001 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	122.4	100.2	150.2
129	90.1	73.6	110.4
131	79.7	70.7	106.1





#65

Chlorobenzene

Concen: 20.306 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBSD01

Tot Ion:112 Resp: 244939

Ion Ratio Lower Upper

112 100

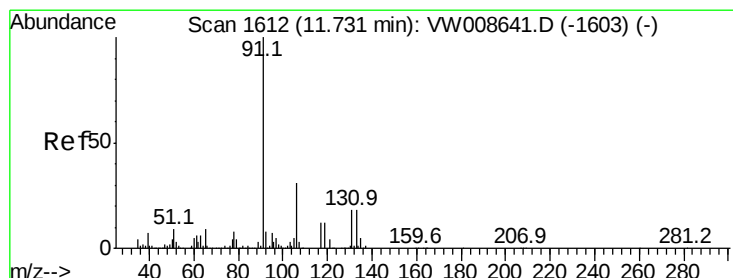
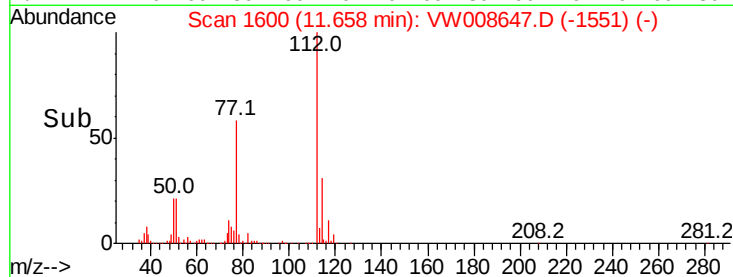
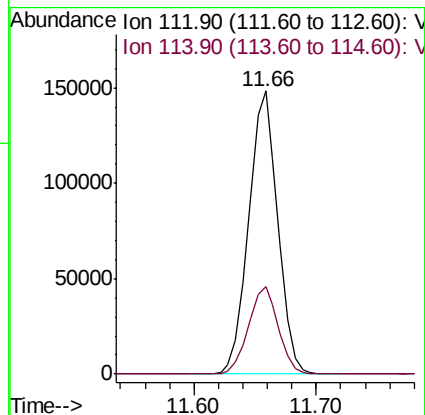
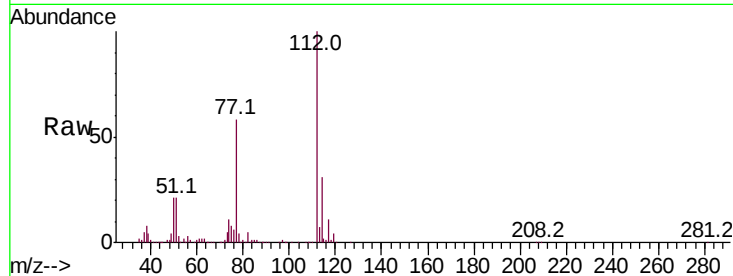
114 30.8 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.287 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

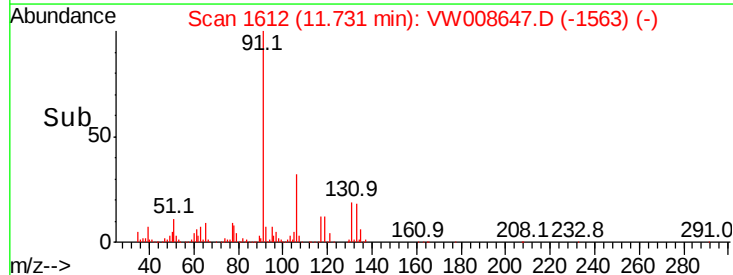
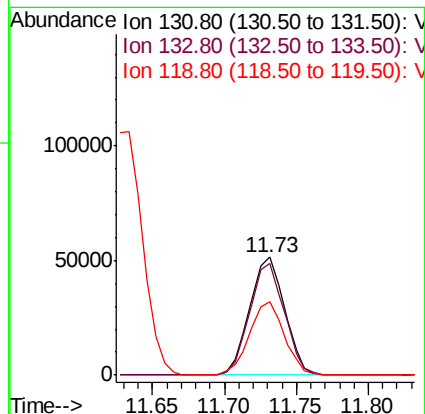
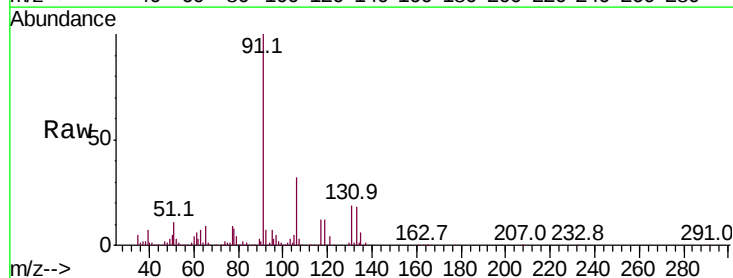
Tgt Ion:131 Resp: 86690

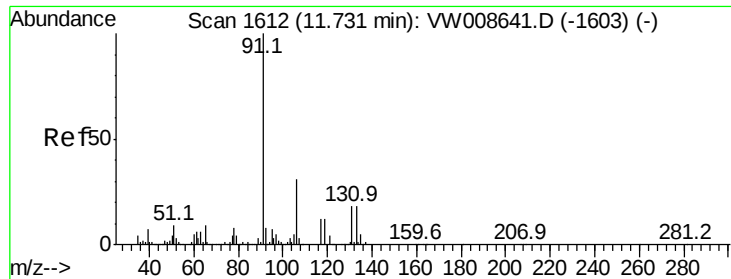
Ion Ratio Lower Upper

131 100

133 93.9 47.8 143.4

119 61.7 31.6 94.8





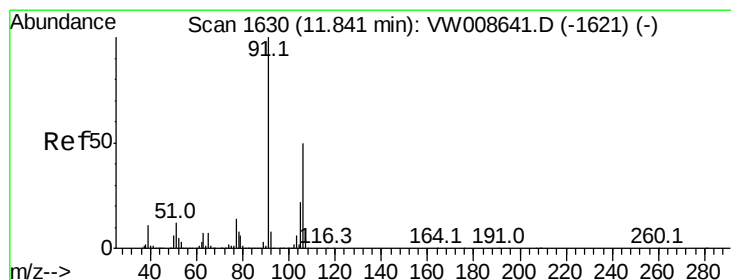
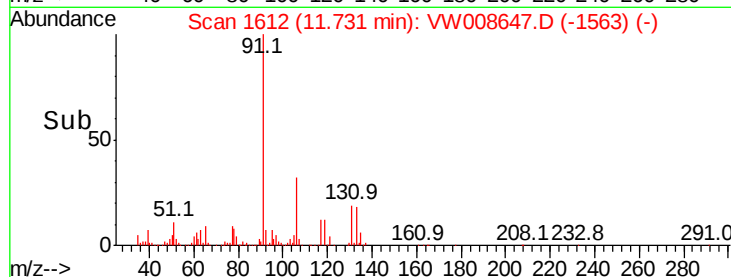
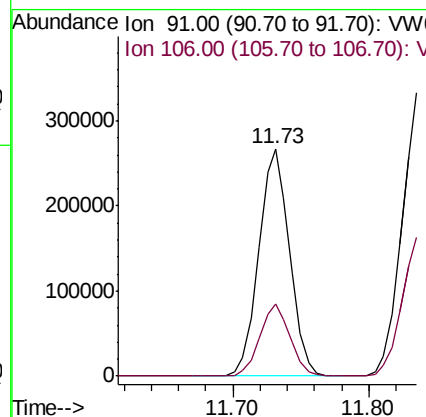
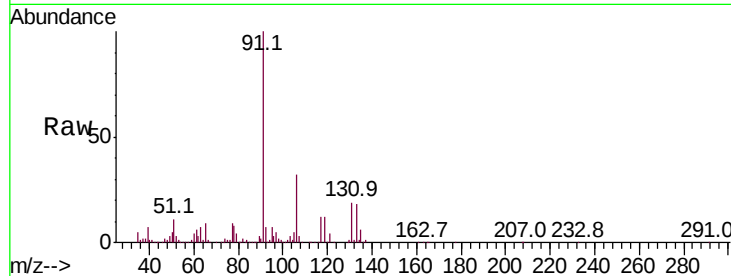
#67
Ethyl Benzene
Concen: 19.646 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.5	36.7

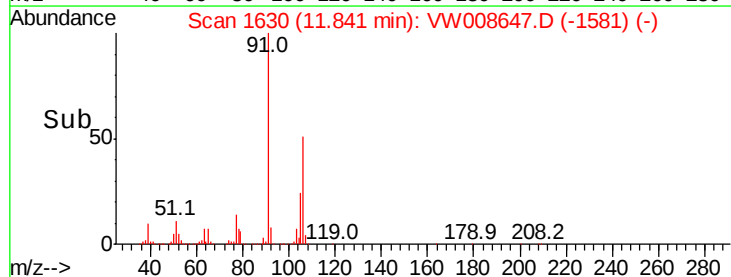
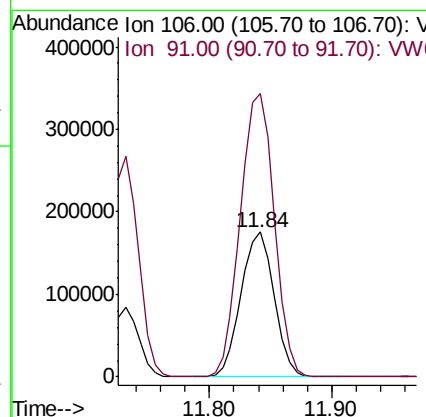
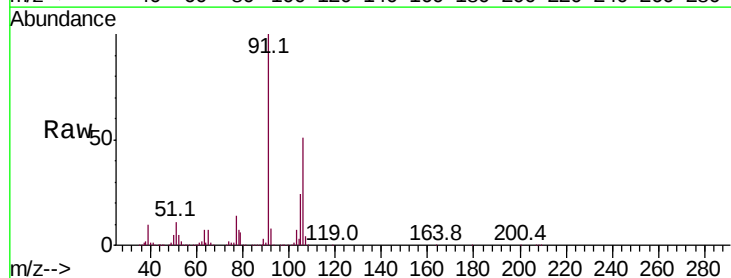
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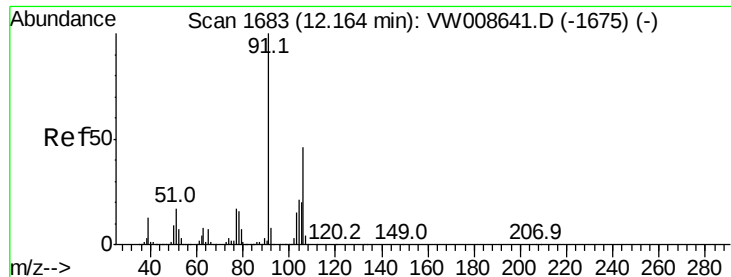
MMDadoda
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#68
m/p-Xylenes
Concen: 39.432 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.9	161.0	241.4





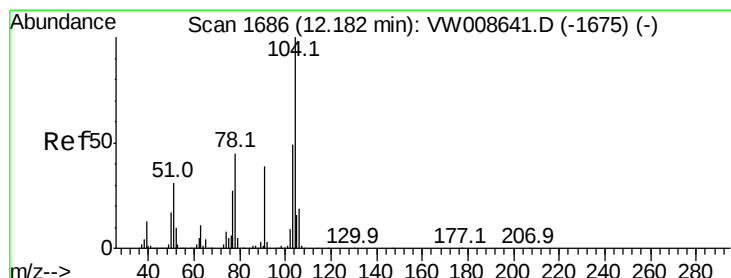
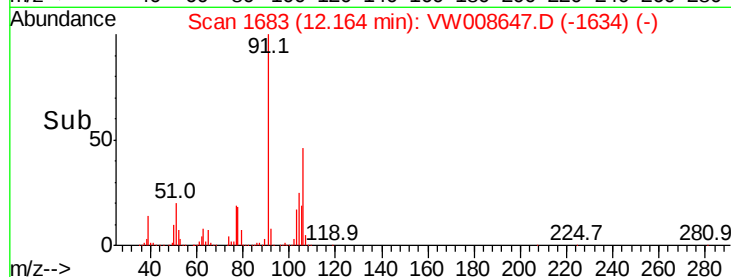
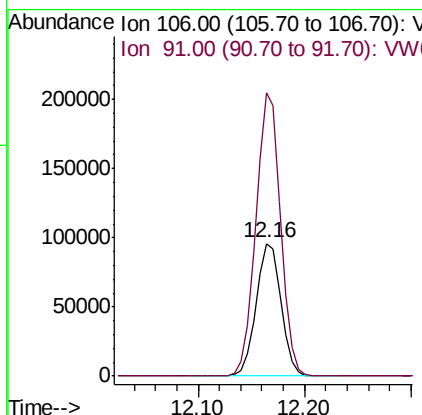
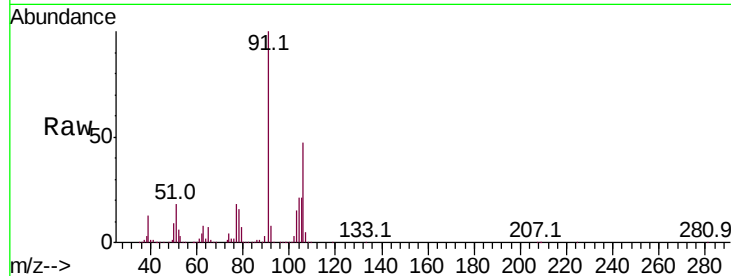
#69
o-Xylene
Concen: 19.945 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion:106 Resp: 157616
Ion Ratio Lower Upper
106 100
91 211.2 106.7 320.1

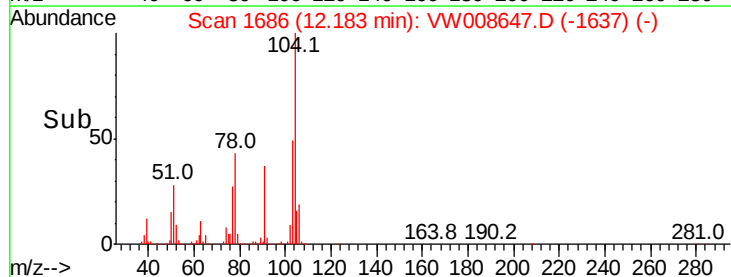
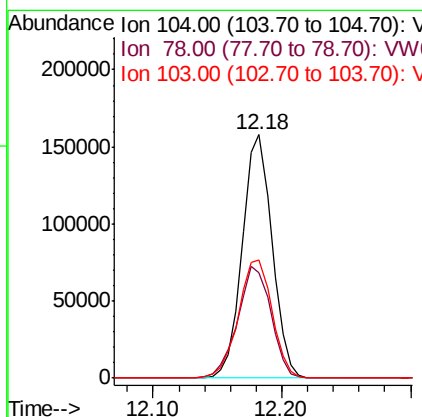
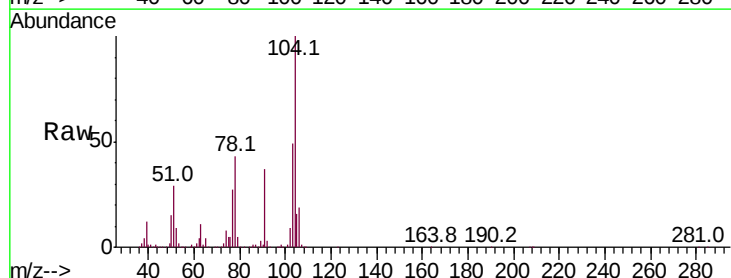
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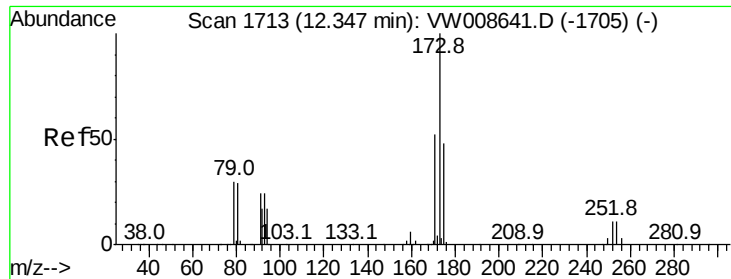
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#70
Styrene
Concen: 19.544 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion:104 Resp: 252262
Ion Ratio Lower Upper
104 100
78 51.5 41.5 62.3
103 55.2 43.5 65.3





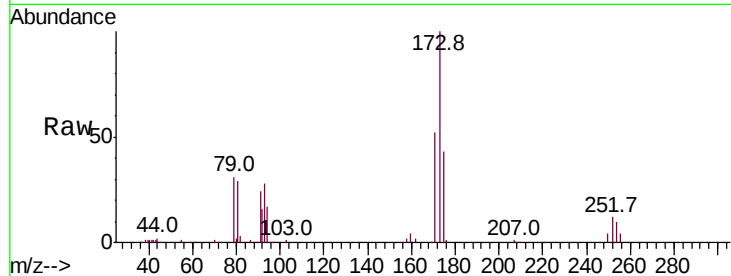
#71
Bromoform
Concen: 19.746 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampled :
VW0213SBSD01

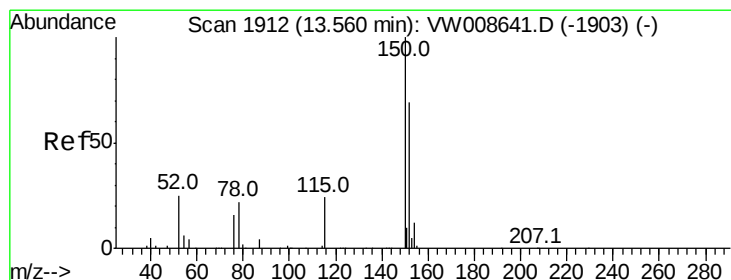
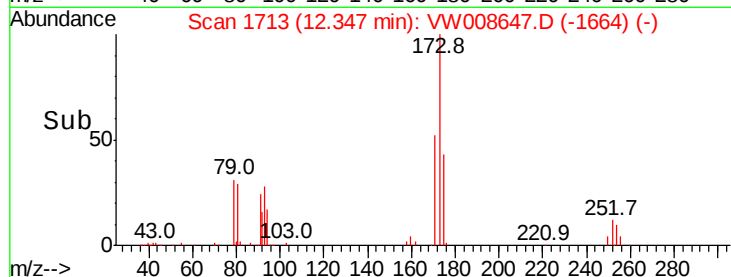
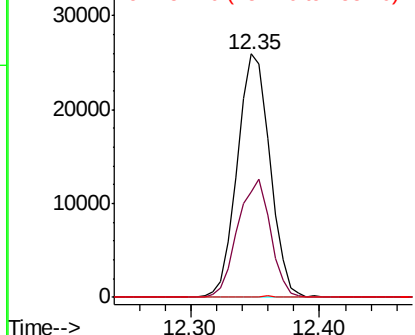
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.7
254	0.2	0.1	0.1#

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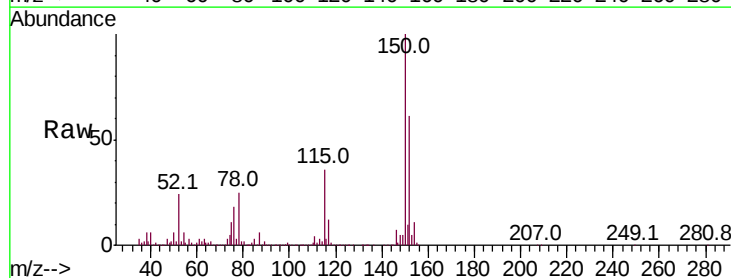


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

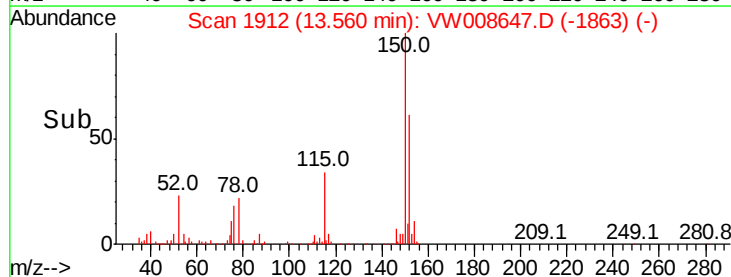
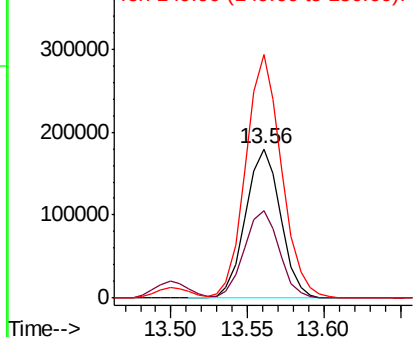


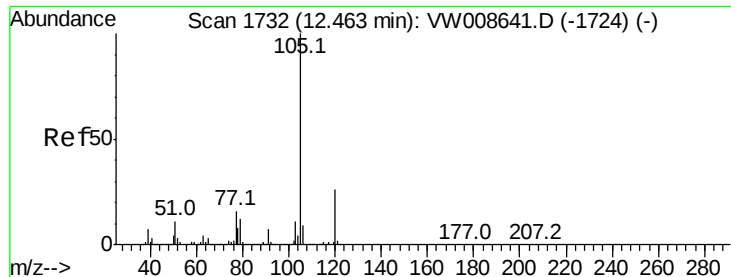
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	87.8
150	166.4	0.0	352.8



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





#73

Isopropylbenzene

Concen: 20.145 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion:105 Resp: 429474

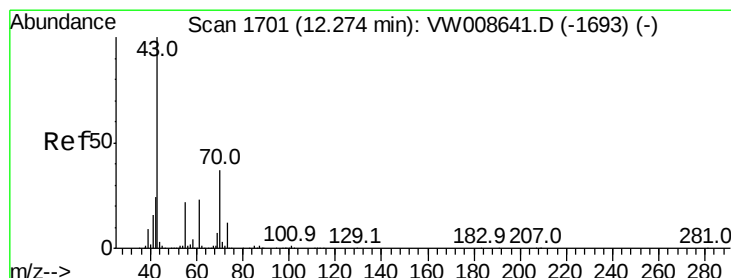
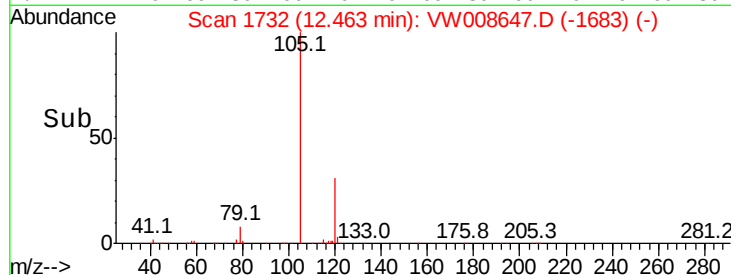
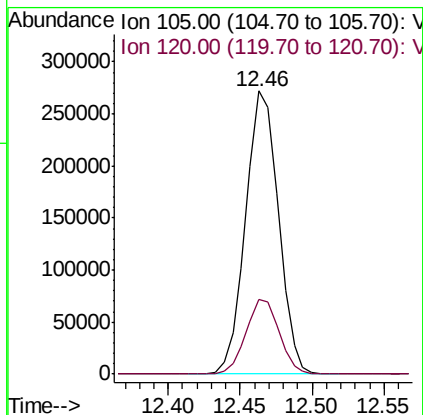
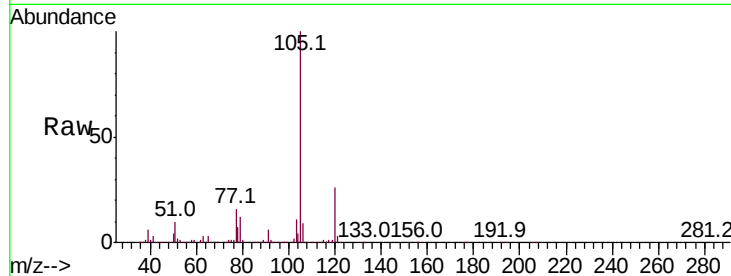
Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6

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#74

N-ethyl acetate

Concen: 21.182 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion: 43 Resp: 122118

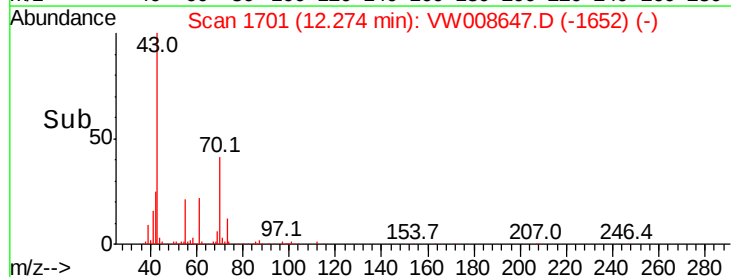
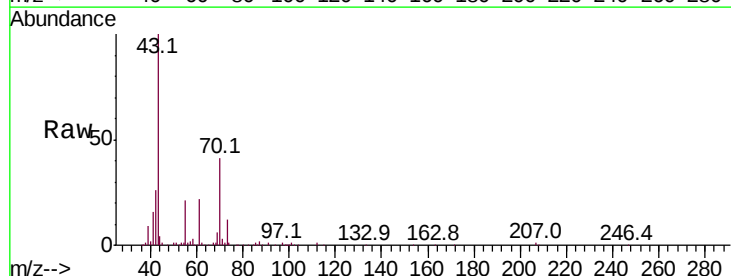
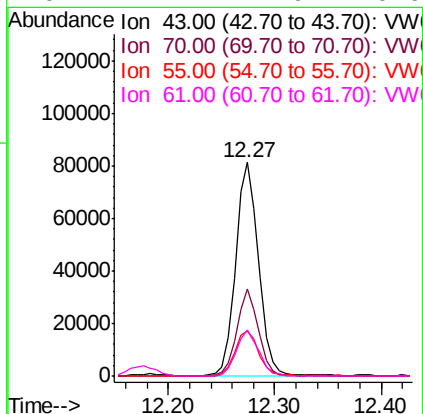
Ion Ratio Lower Upper

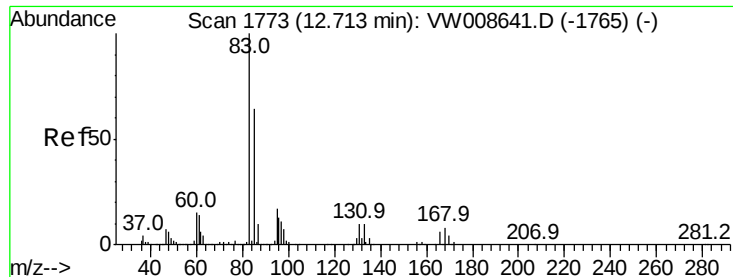
43 100

70 38.5 30.5 45.7

55 21.4 17.6 26.4

61 21.4 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.515 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

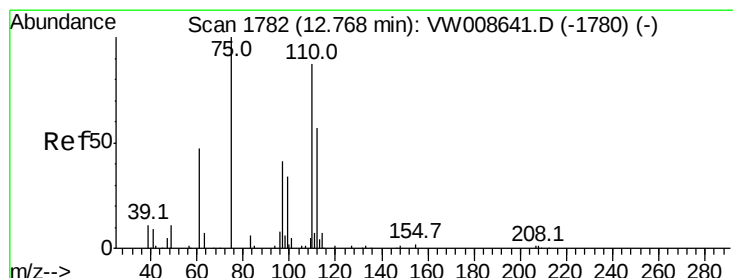
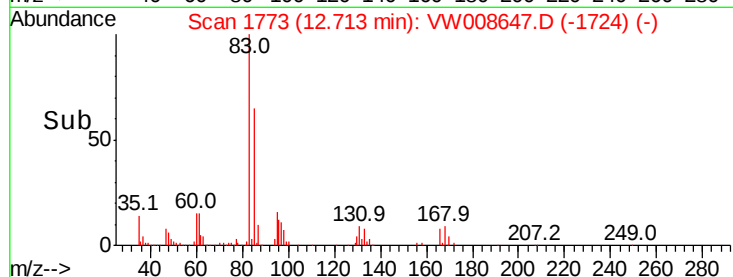
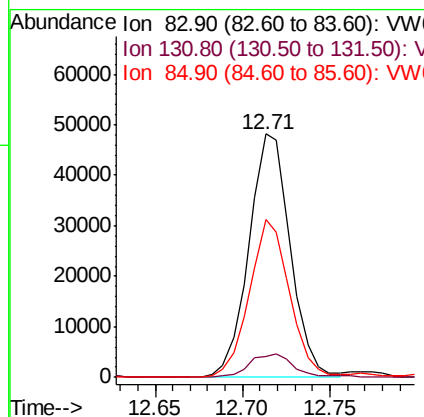
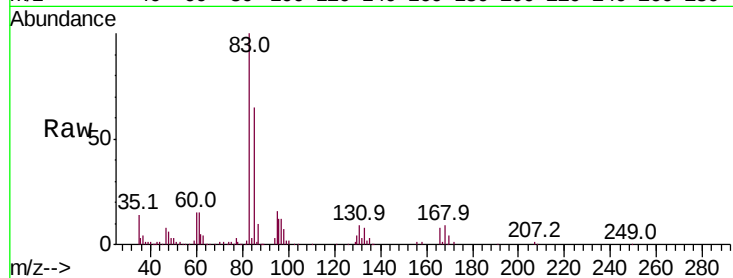
ClientSampleId :

VW0213SBS01

Tot Ion:	83	Resp:	79805
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.7
85	63.1	31.8	95.3

Manual Integrations
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2/14/2019 2:10:51 PM



#76

1,2,3-Trichloropropane

Concen: 23.625 ug/l m

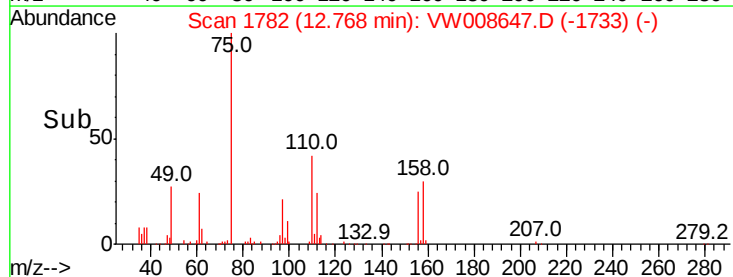
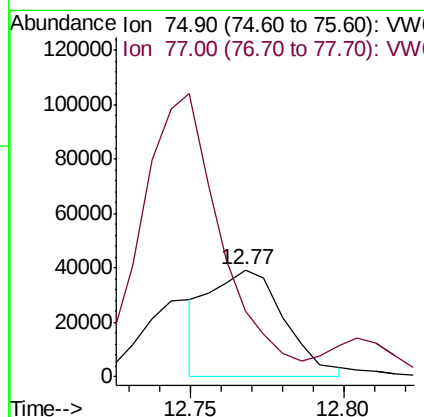
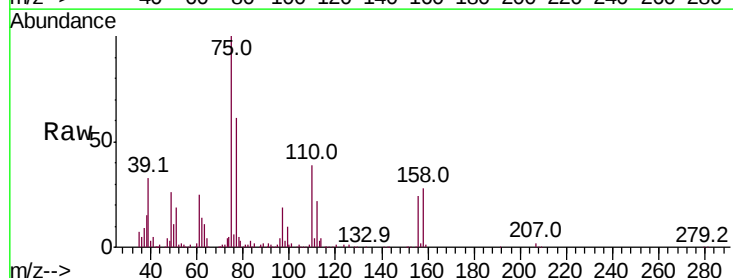
RT: 12.77 min Scan# 1782

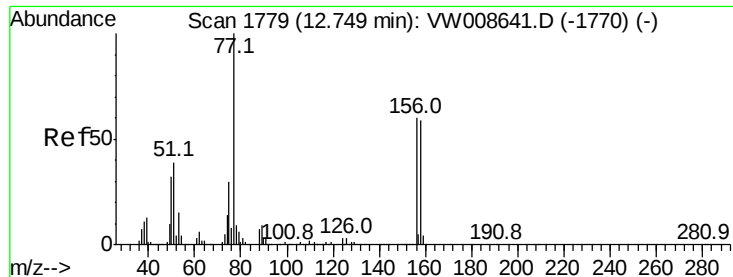
Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion:	75	Resp:	66769
Ion Ratio	Lower	Upper	
75	100		
77	282.6	0.0	0.0#





#77

Bromobenzene

Concen: 20.969 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

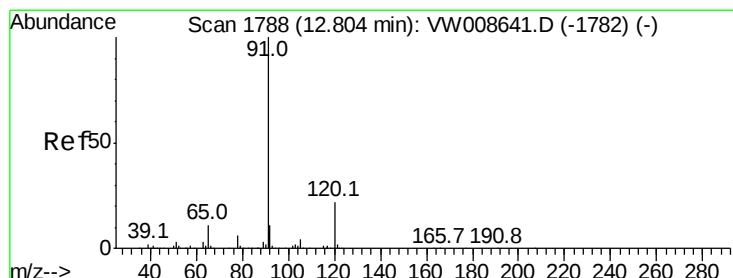
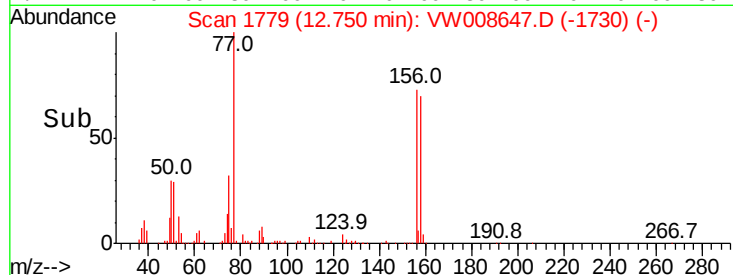
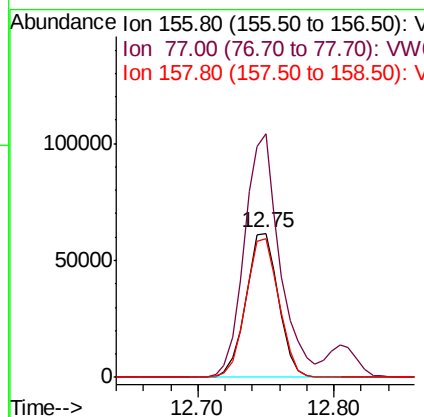
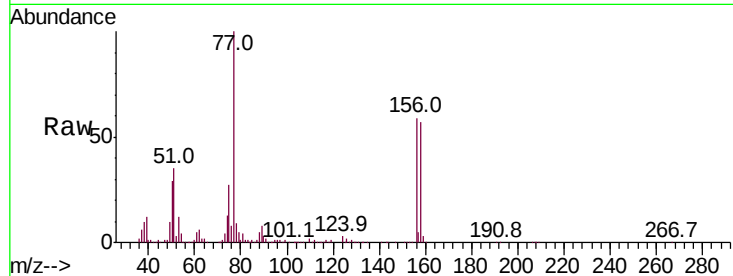
ClientSampleId :

VW0213SBSD01

Tot Ion:	156	Resp:	102761
Ion Ratio	Lower	Upper	
156	100		
77	183.6	93.2	279.5
158	97.7	48.5	145.5

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#78

n-propylbenzene

Concen: 20.091 ug/l

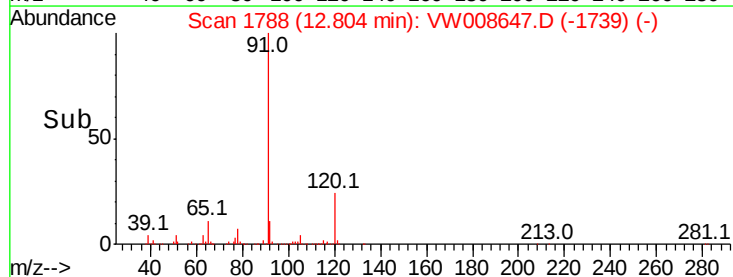
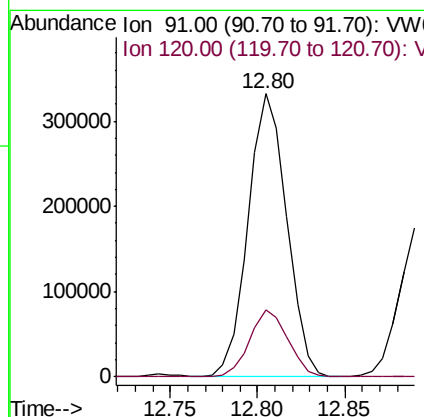
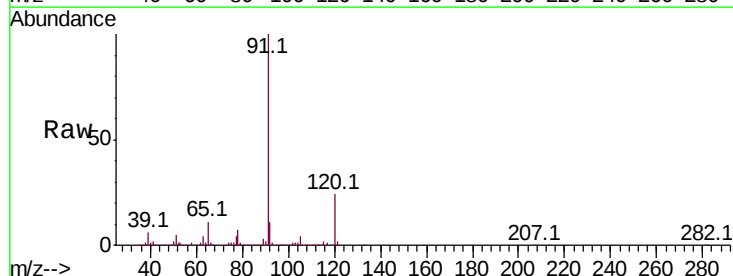
RT: 12.80 min Scan# 1788

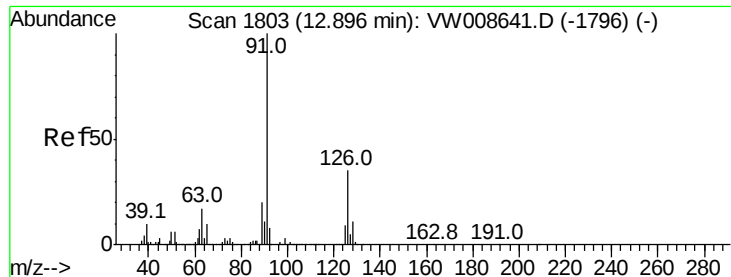
Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion:	91	Resp:	508919
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.4	34.2





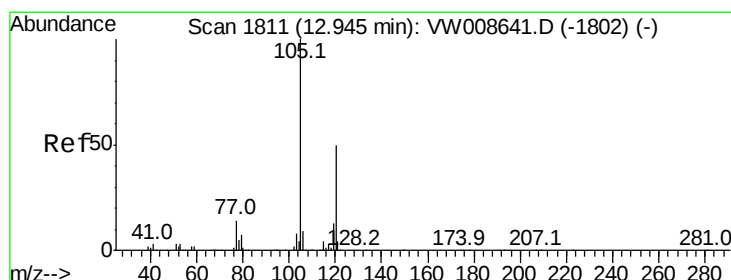
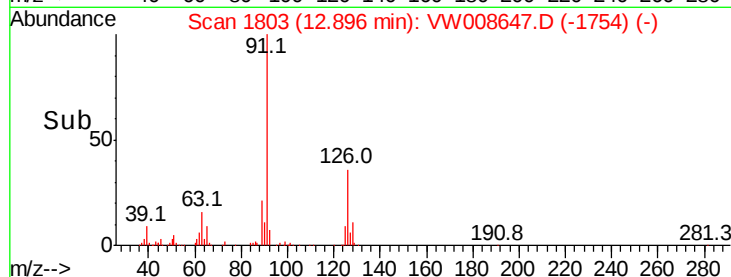
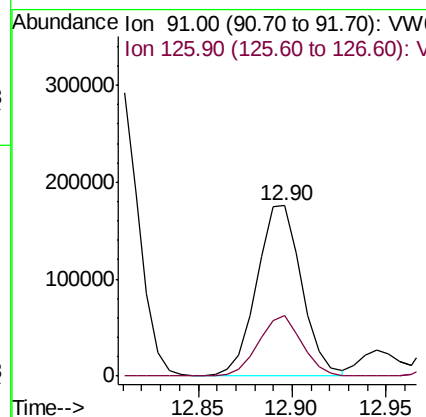
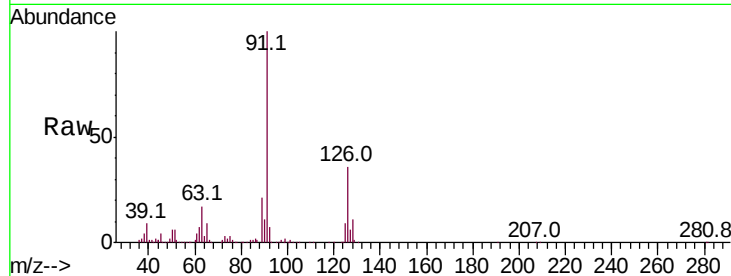
#79
 2-Chlorotoluene
 Concen: 20.269 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion: 91 Resp: 290177
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.0 50.9

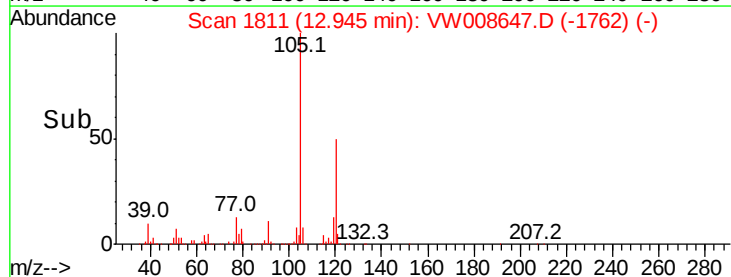
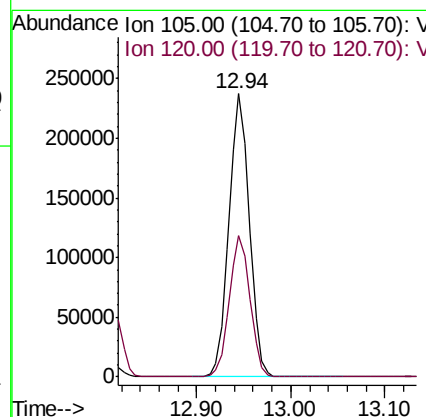
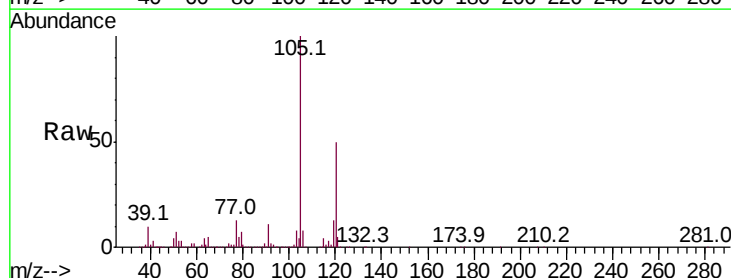
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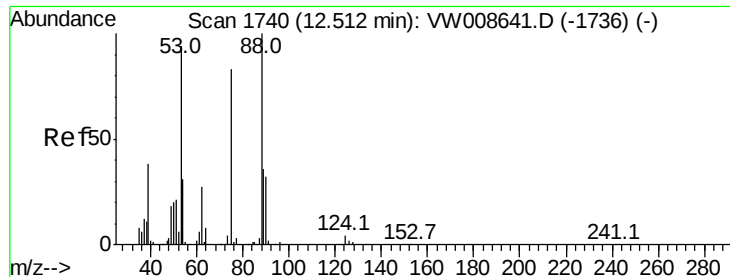
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.156 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Tgt Ion: 105 Resp: 356926
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.6 73.8





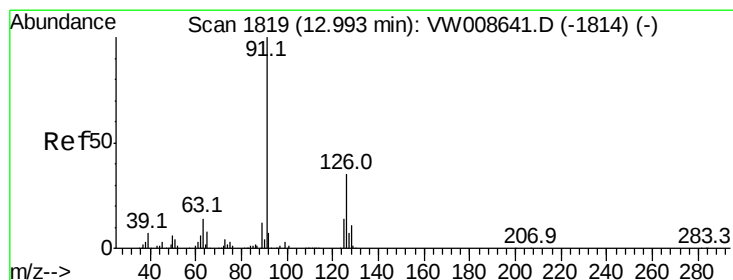
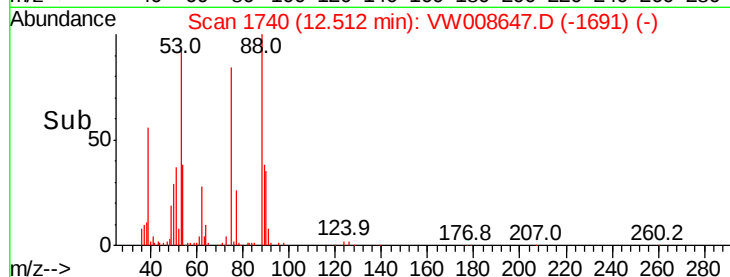
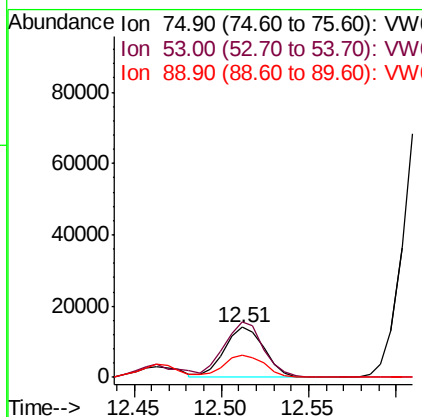
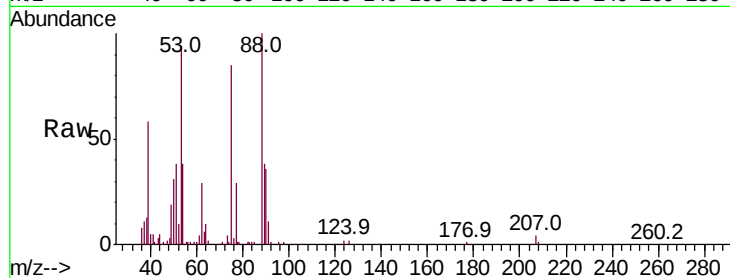
#81
trans-1,4-Dichloro-2-butene
Concen: 19.150 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213BSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.2	87.4	131.0
89	45.7	37.0	55.4

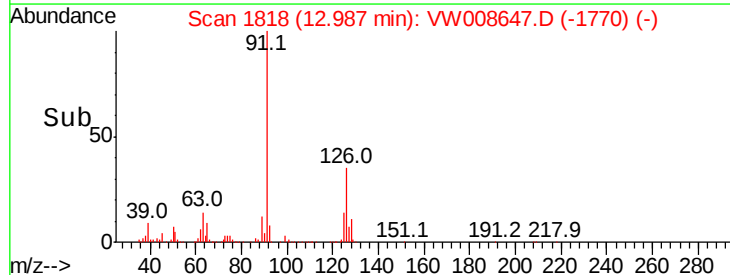
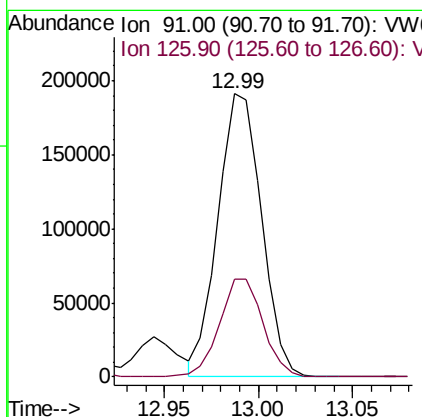
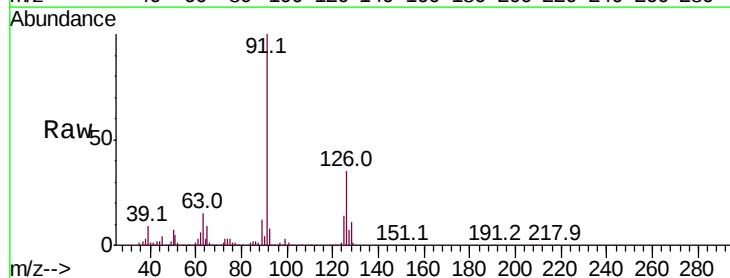
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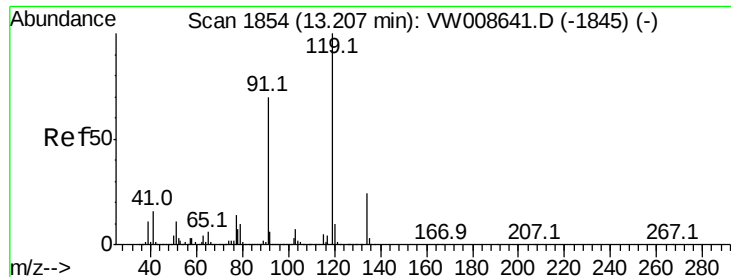
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#82
4-Chlorotoluene
Concen: 20.181 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.9	50.7





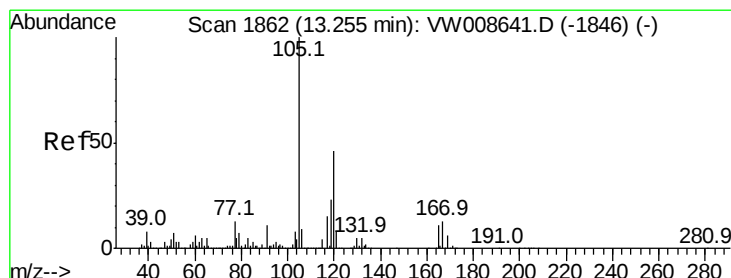
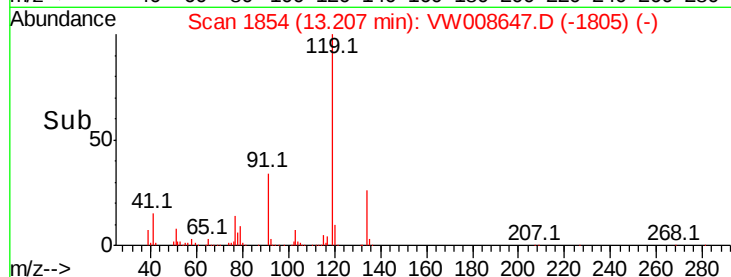
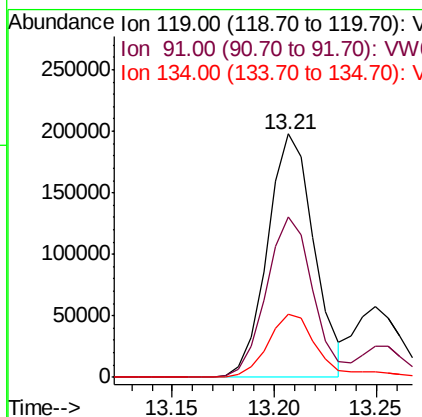
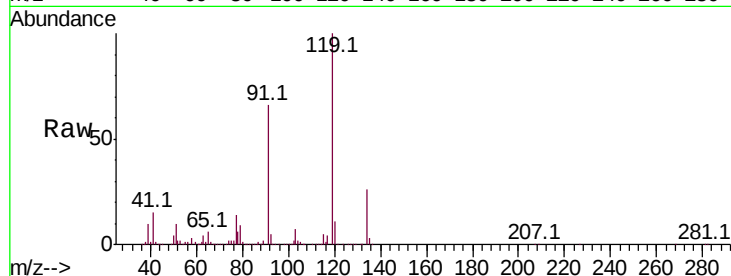
#83
tert-Butylbenzene
Concen: 20.489 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315050		
91	66.6	34.0	102.0	
134	28.1	13.6	40.8	

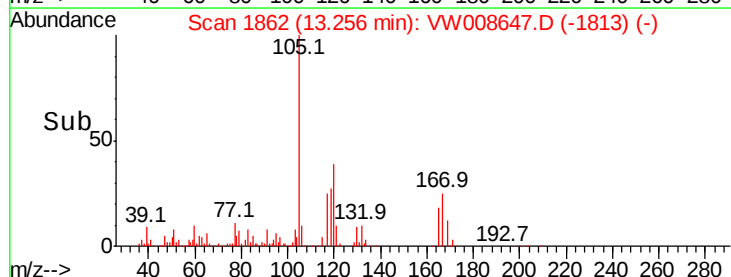
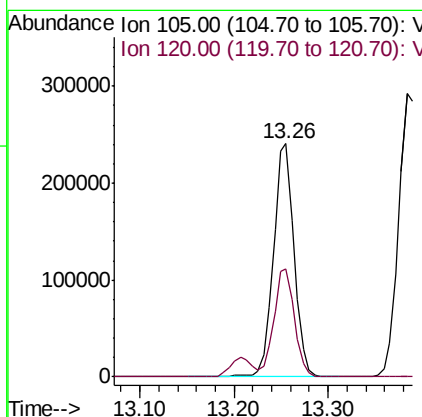
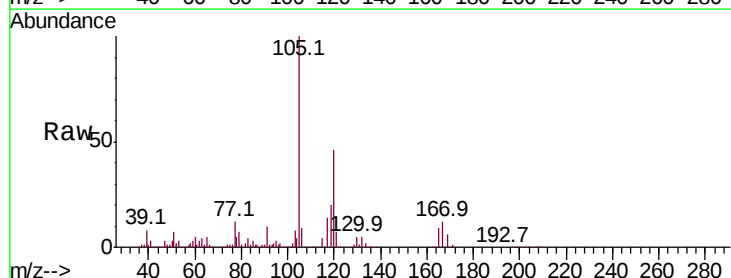
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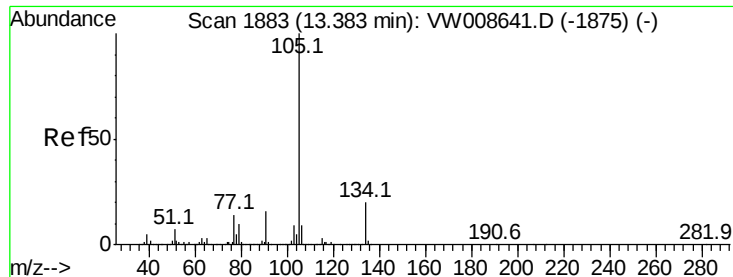
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#84
1,2,4-Trimethylbenzene
Concen: 20.329 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	369986		
120	46.4	22.9	68.8	





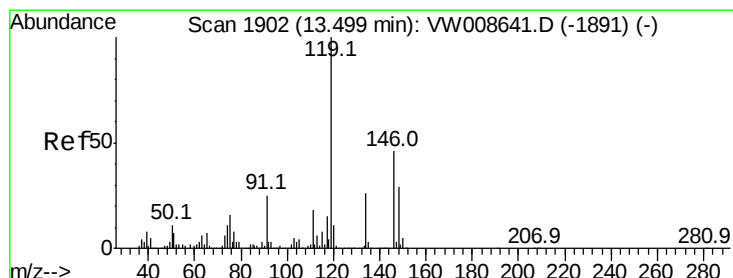
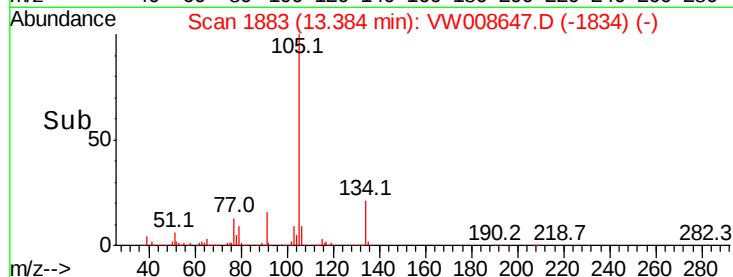
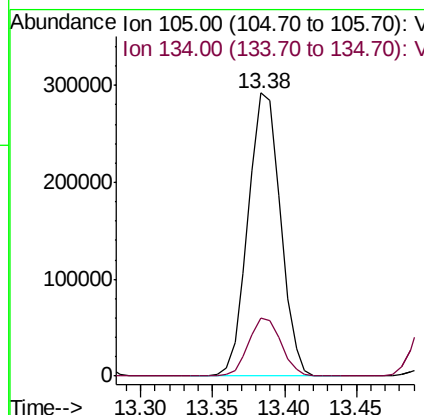
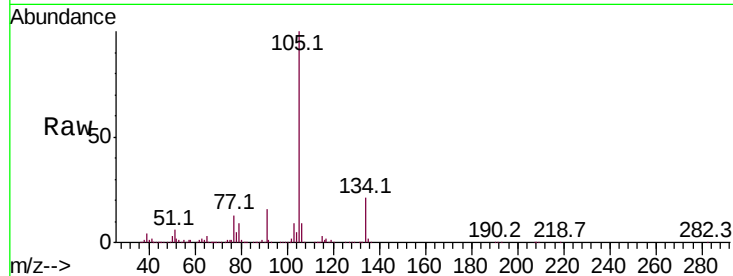
#85
 sec-Butylbenzene
 Concen: 20.280 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213BSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8

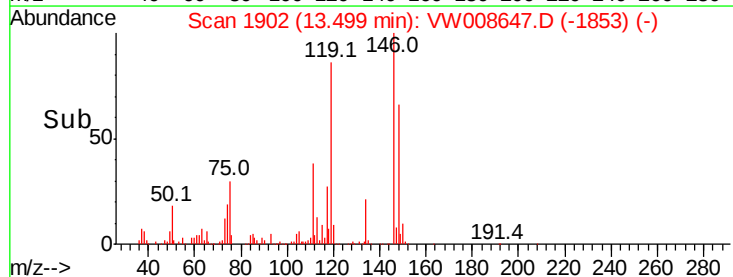
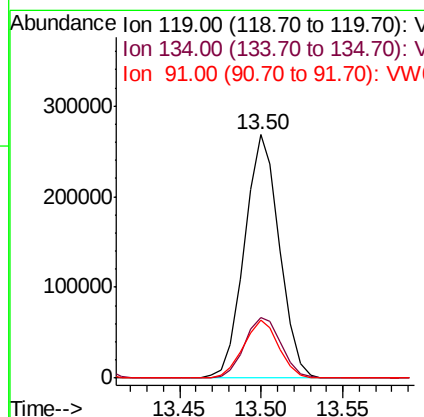
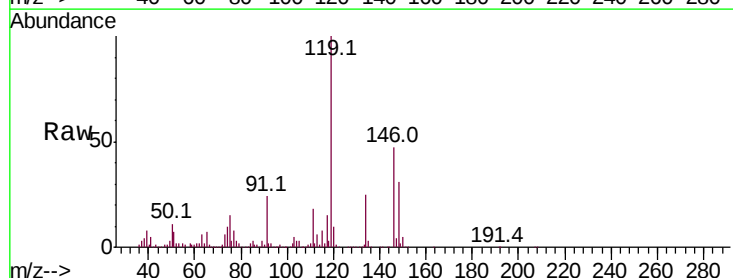
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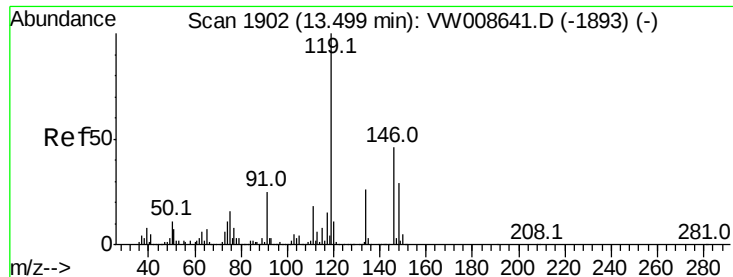
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#86
 p-Isopropyltoluene
 Concen: 19.912 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	24.1	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 20.560 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

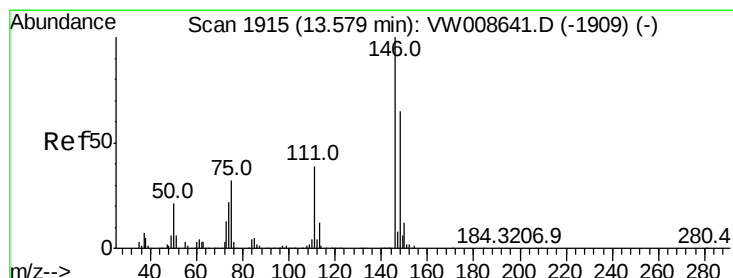
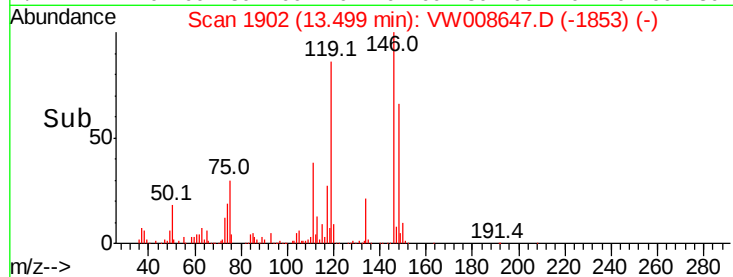
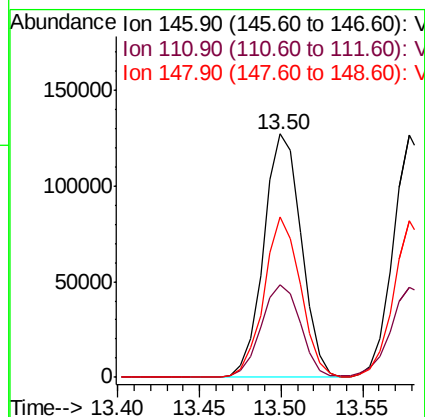
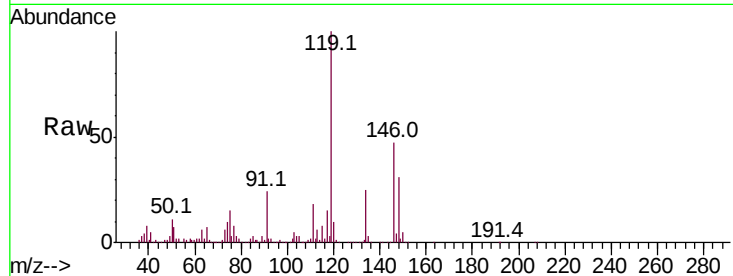
Instrument :
MSVOA_W

ClientSampleId :
VW0213BSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204250		
111	39.7	19.4	58.1	
148	63.7	31.6	94.8	

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#88

1,4-Dichlorobenzene

Concen: 20.892 ug/l

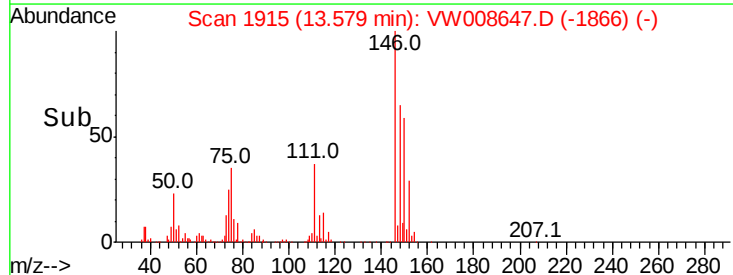
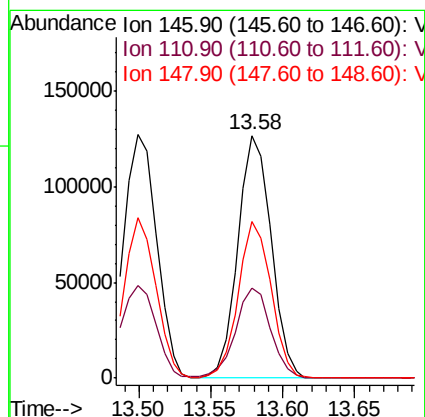
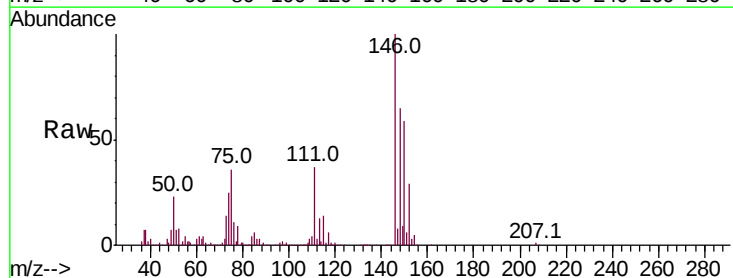
RT: 13.58 min Scan# 1915

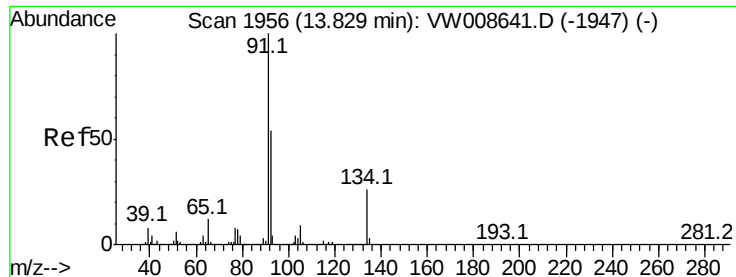
Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	204554		
111	39.0	19.4	58.1	
148	63.7	31.8	95.4	





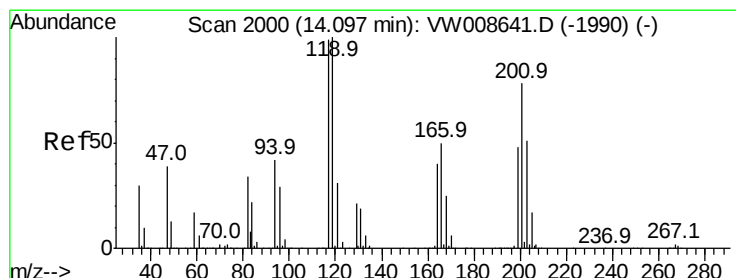
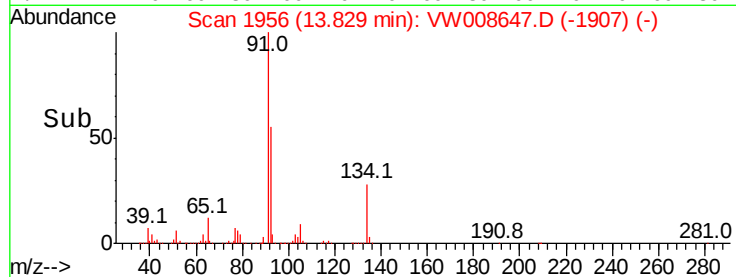
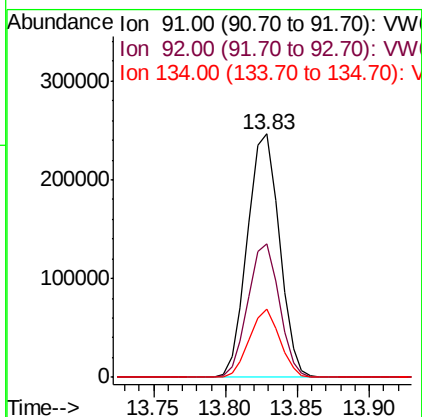
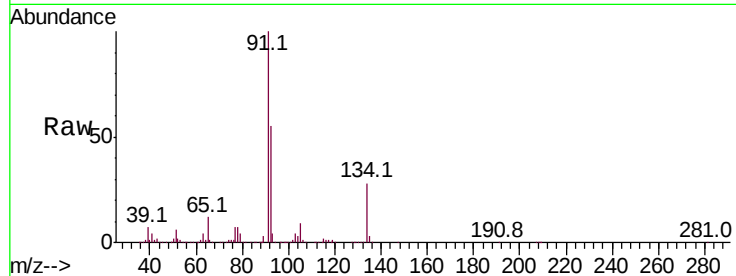
#89
n-Butylbenzene
Concen: 19.931 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213BSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	379351		
92	53.8	26.8	80.4	
134	26.5	13.0	39.0	

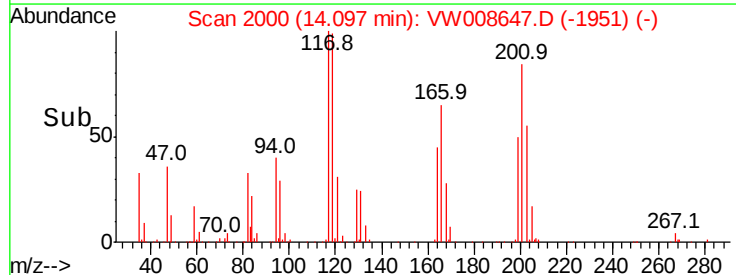
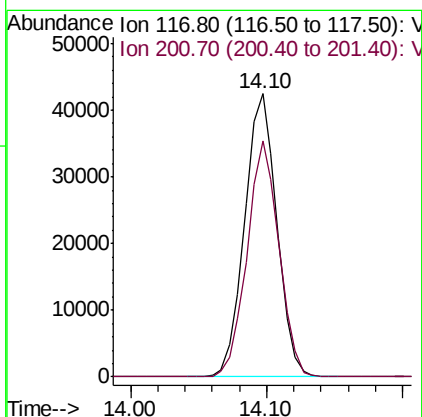
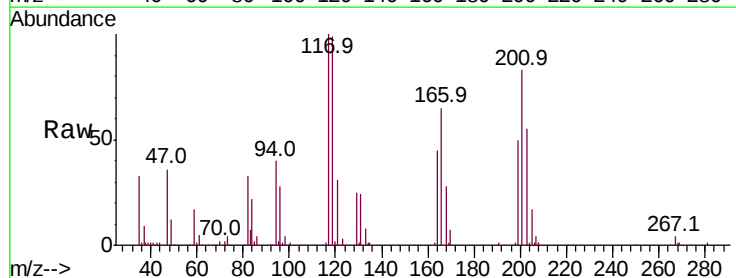
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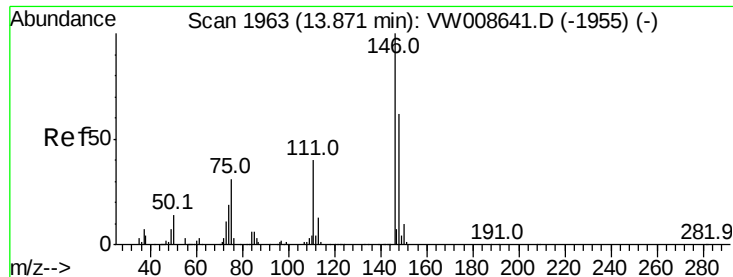
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#90
Hexachloroethane
Concen: 20.118 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	70399		
201	82.5	38.7	116.1	





#91

1,2-Dichlorobenzene

Concen: 20.944 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

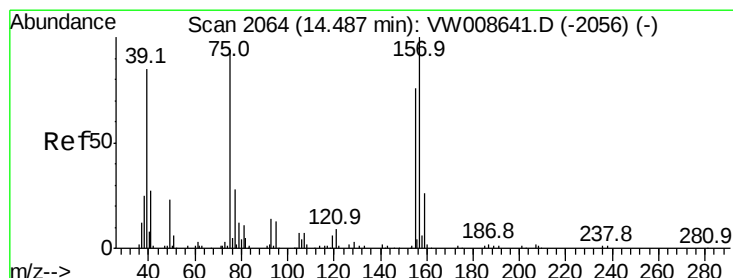
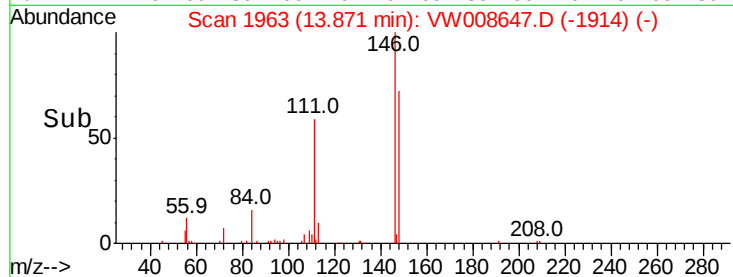
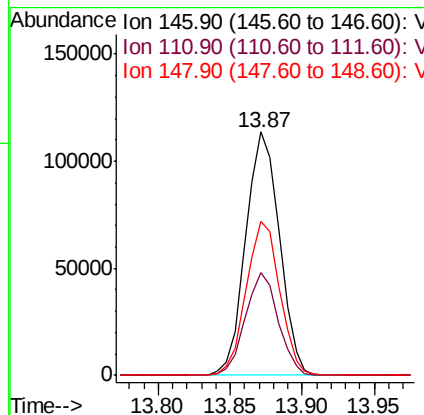
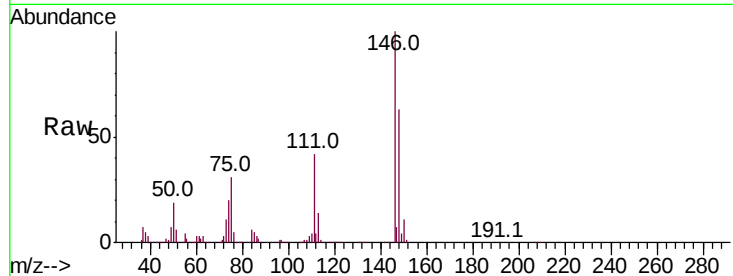
ClientSampleId :

VW0213SBS01

Tot Ion:	146	Resp:	184346
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.5	61.5
148	63.0	31.6	94.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.673 ug/l

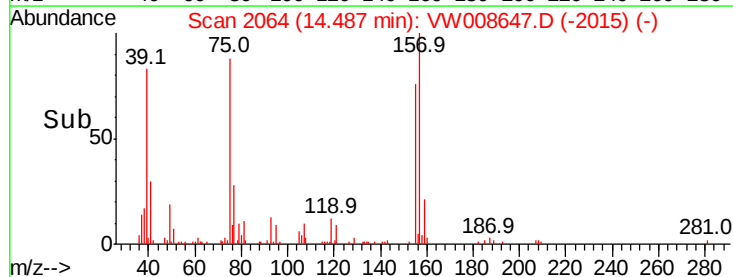
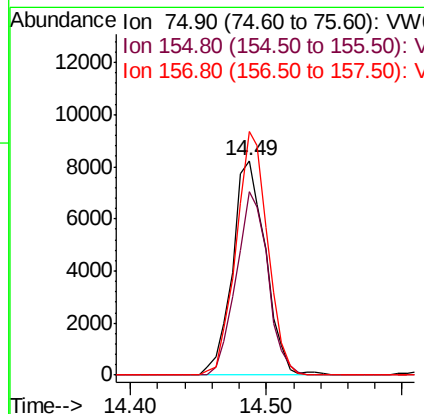
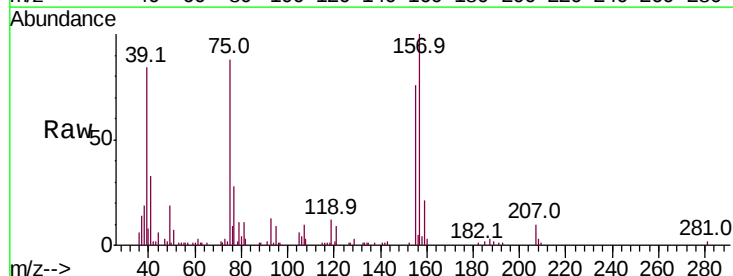
RT: 14.49 min Scan# 2064

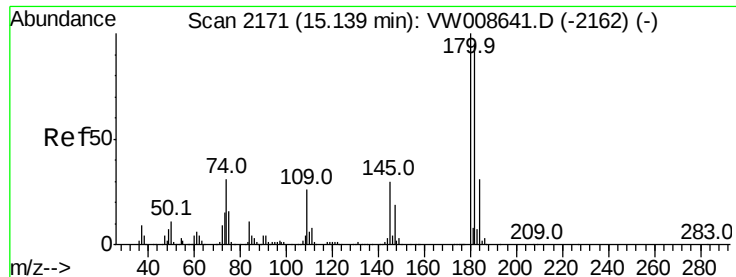
Delta R.T. 0.00 min

Lab File: VW008647.D

Acq: 13 Feb 2019 20:10

Tgt Ion:	75	Resp:	13970
Ion Ratio	Lower	Upper	
75	100		
155	81.3	41.8	125.4
157	108.0	53.8	161.4





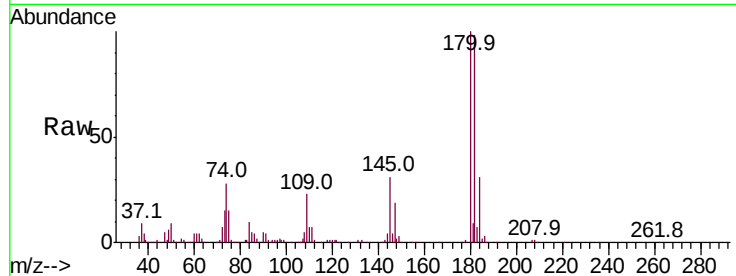
#93
 1,2,4-Trichlorobenzene
 Concen: 21.214 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213BSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.5	142.5	
145	30.9	15.1	45.3	

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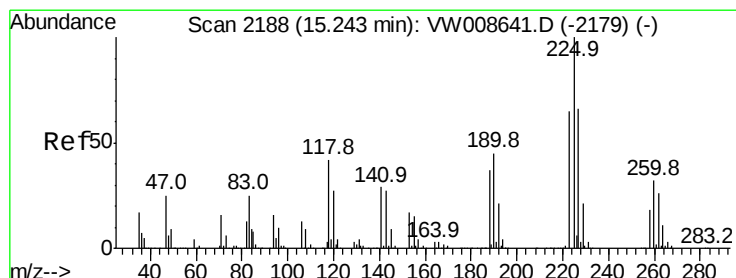
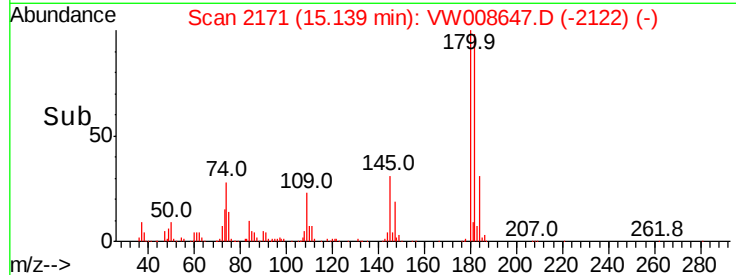
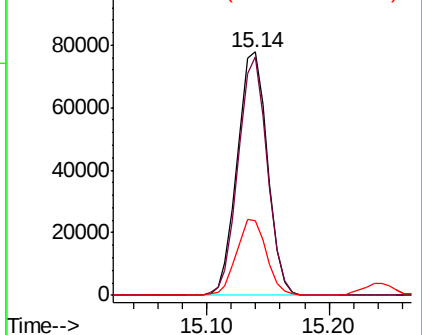


Abundance

Ion 179.80 (179.50 to 180.50): V

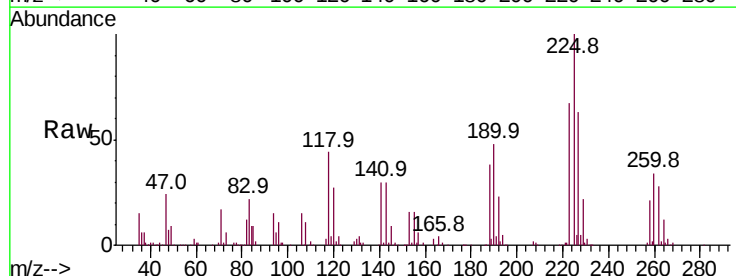
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.798 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008647.D
 Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.4	31.4	94.3	
227	65.1	32.4	97.0	

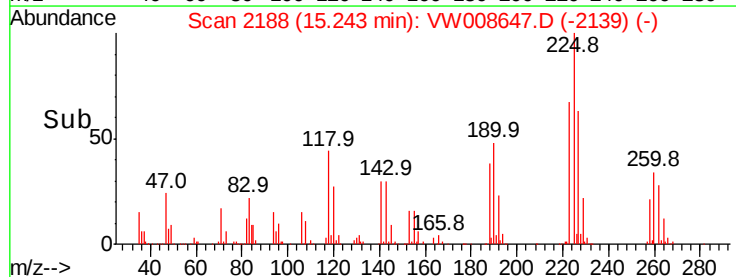
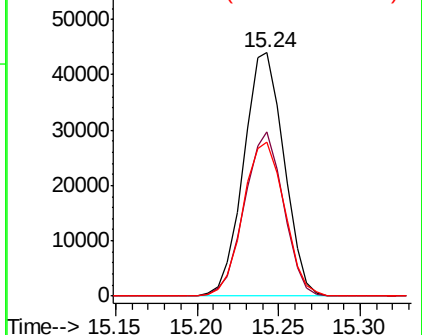


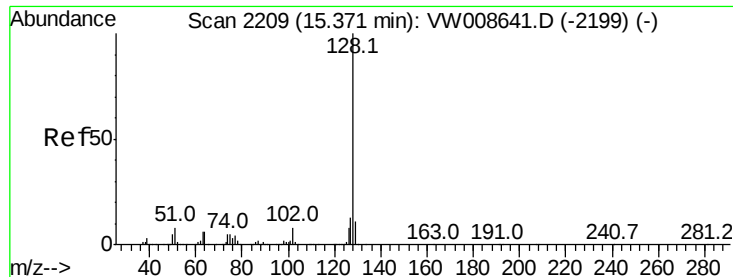
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





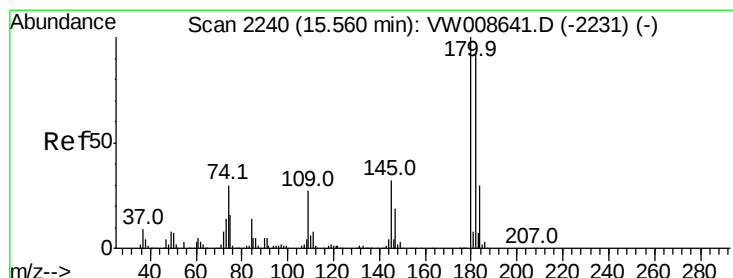
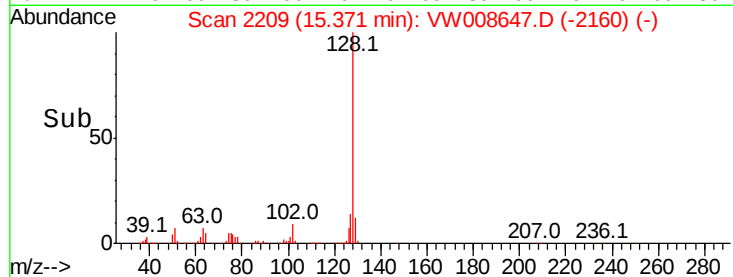
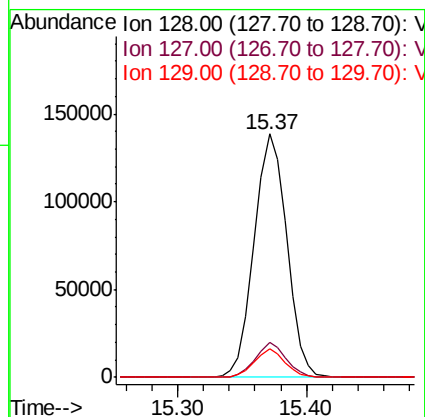
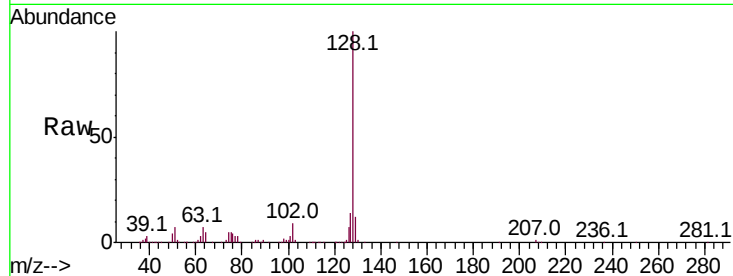
#95
Naphthalene
Concen: 21.582 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	242332		
127	13.6	10.9	16.3	
129	10.9	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.666 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008647.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116489		
182	95.6	47.5	142.5	
145	32.0	15.9	47.7	

