

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010676.D
 Acq On : 04 Jun 2019 15:14
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 3:04:58 PM

Quant Time: Jun 05 03:14:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	64456	20.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.58%	
35) Dibromofluoromethane	7.88	113	48419	20.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.68%	
50) Toluene-d8	10.32	98	211826	20.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.60%	
62) 4-Bromofluorobenzene	12.62	95	77157	20.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	51709	20.762	ug/l	98
3) Chloromethane	2.21	50	76130	20.777	ug/l	100
4) Vinyl Chloride	2.35	62	70227	20.744	ug/l	99
5) Bromomethane	2.74	94	36449	19.606	ug/l	95
6) Chloroethane	2.90	64	41861	20.600	ug/l	99
7) Trichlorofluoromethane	3.24	101	89490	20.364	ug/l	99
8) Diethyl Ether	3.68	74	31263	19.907	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54805	20.284	ug/l	99
10) Methyl Iodide	4.27	142	48483	20.320	ug/l	99
11) Tert butyl alcohol	5.17	59	26366	101.882	ug/l	98
12) 1,1-Dichloroethene	4.03	96	52515	20.149	ug/l	98
13) Acrolein	3.89	56	10197	96.426	ug/l	99
14) Allyl chloride	4.67	41	113277	19.711	ug/l	99
15) Acrylonitrile	5.37	53	77923	102.132	ug/l	99
16) Acetone	4.12	43	80420	94.483	ug/l	99
17) Carbon Disulfide	4.37	76	163579	19.771	ug/l	99
18) Methyl Acetate	4.67	43	36565	19.957	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	151917	20.210	ug/l	98
20) Methylene Chloride	4.91	84	59136	19.805	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	59676	20.170	ug/l	97
22) Diisopropyl ether	6.31	45	230050	19.995	ug/l	97
23) Vinyl Acetate	6.26	43	695416	100.157	ug/l	99
24) 1,1-Dichloroethane	6.21	63	116091	20.135	ug/l	99
25) 2-Butanone	7.17	43	117167	99.273	ug/l	100
26) 2,2-Dichloropropane	7.17	77	94057	20.047	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	65173	20.016	ug/l	99
28) Bromochloromethane	7.51	49	46358	18.016	ug/l	97
29) Tetrahydrofuran	7.53	42	75159	101.242	ug/l	99
30) Chloroform	7.68	83	105213	19.950	ug/l	99
31) Cyclohexane	7.95	56	126368	19.716	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	91603	19.884	ug/l	99
36) 1,1-Dichloropropene	8.08	75	91586	20.405	ug/l	100
37) Ethyl Acetate	7.25	43	50884	20.458	ug/l	100
38) Carbon Tetrachloride	8.07	117	77286	19.947	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115855	20.305	ug/l	99
40) Benzene	8.32	78	247749	20.233	ug/l	99
41) Methacrylonitrile	7.48	41	28297	19.140	ug/l	95
42) 1,2-Dichloroethane	8.40	62	78903	20.303	ug/l	100
43) Isopropyl Acetate	8.43	43	98562	20.512	ug/l	99
44) Trichloroethene	9.09	130	60857	20.148	ug/l	99
45) 1,2-Dichloropropane	9.37	63	65695	20.268	ug/l	98
46) Dibromomethane	9.46	93	30330	20.146	ug/l	98
47) Bromodichloromethane	9.65	83	77128	19.764	ug/l	98
48) Methyl methacrylate	9.43	41	46728	20.169	ug/l	98
49) 1,4-Dioxane	9.45	88	10052	427.057	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	254303	103.594	ug/l	100
52) Toluene	10.39	92	152195	20.202	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	81881	19.809	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	97125	19.968	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43964	20.271	ug/l	98
56) Ethyl methacrylate	10.65	69	67797	20.315	ug/l	98
57) 1,3-Dichloropropane	10.93	76	83529	20.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	180405	103.208	ug/l	99
59) 2-Hexanone	10.97	43	182261	102.732	ug/l	99
60) Dibromochloromethane	11.13	129	47170	19.620	ug/l	99
61) 1,2-Dibromoethane	11.24	107	41348	20.122	ug/l	99
64) Tetrachloroethene	10.87	164	50807	19.712	ug/l	96
65) Chlorobenzene	11.66	112	154495	20.238	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	52632	19.917	ug/l	99
67) Ethyl Benzene	11.73	91	296930	20.239	ug/l	99
68) m/p-Xylenes	11.84	106	213433	40.640	ug/l	99
69) o-Xylene	12.16	106	100993	20.276	ug/l	99
70) Styrene	12.18	104	175545	20.288	ug/l	100
71) Bromoform	12.35	173	27072	19.808	ug/l #	100
73) Isopropylbenzene	12.46	105	284623	20.160	ug/l	99
74) N-amyl acetate	12.27	43	93894	20.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	53912	20.059	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	39584m	14.707	ug/l	
77) Bromobenzene	12.75	156	61716	20.026	ug/l	99
78) n-propylbenzene	12.80	91	342186	20.101	ug/l	100
79) 2-Chlorotoluene	12.90	91	195416	20.092	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	234193	20.266	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16477	19.194	ug/l	97
82) 4-Chlorotoluene	12.99	91	200920	20.019	ug/l	100
83) tert-Butylbenzene	13.21	119	198268	20.216	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	234616	20.176	ug/l	99
85) sec-Butylbenzene	13.38	105	288511	20.205	ug/l	100
86) p-Isopropyltoluene	13.50	119	258179	20.219	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	120035	20.198	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	119207	20.233	ug/l	99
89) n-Butylbenzene	13.83	91	258236	20.269	ug/l	100
90) Hexachloroethane	14.10	117	45097	19.721	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	108742	20.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9580	20.757	ug/l	96

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VSTDICC020

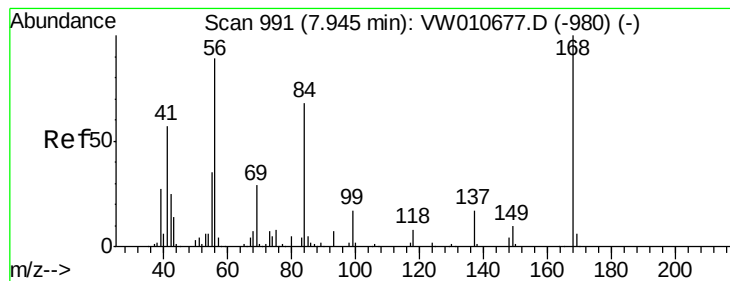
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75131	20.032	ug/l	98
94) Hexachlorobutadiene	15.24	225	48251	20.499	ug/l	99
95) Naphthalene	15.37	128	137485	20.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	65495	20.534	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 269506

Ion Ratio Lower Upper

168 100

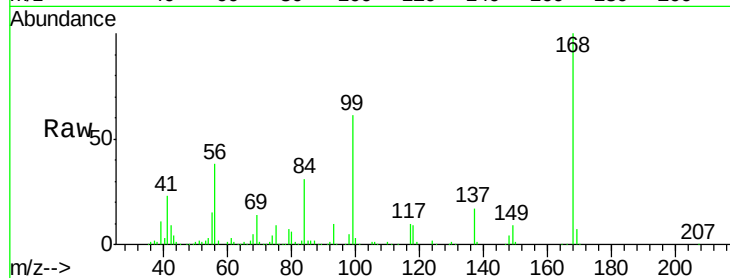
99 60.8 47.7 71.5

Manual Integrations

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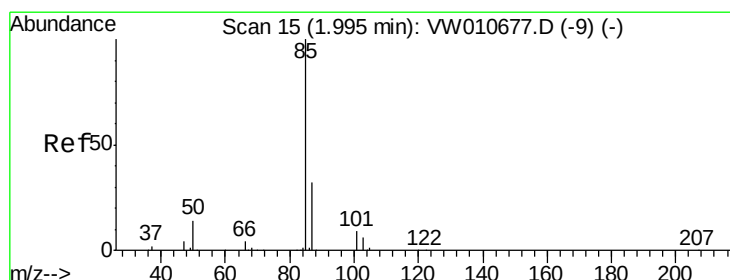
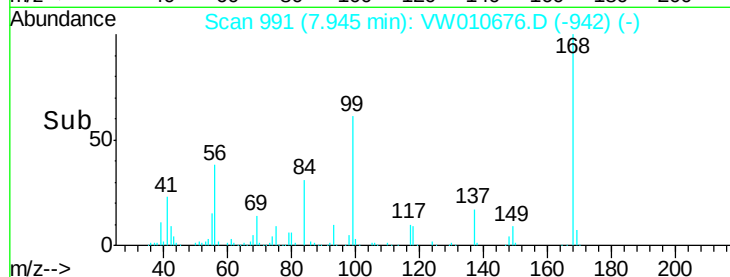
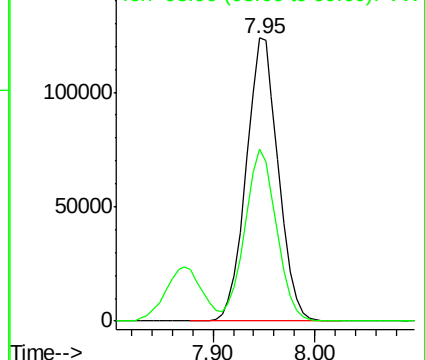
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.762 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010676.D

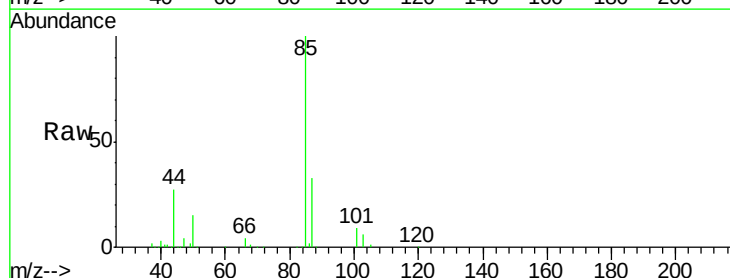
Acq: 04 Jun 2019 15:14

Tgt Ion: 85 Resp: 51709

Ion Ratio Lower Upper

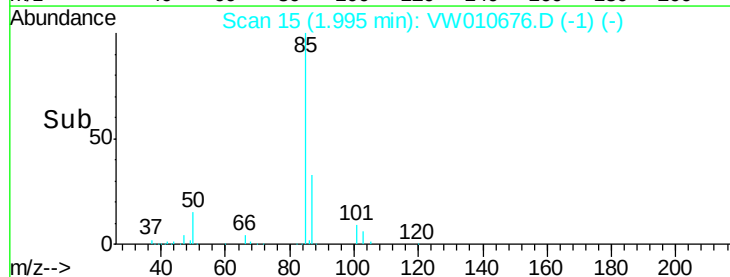
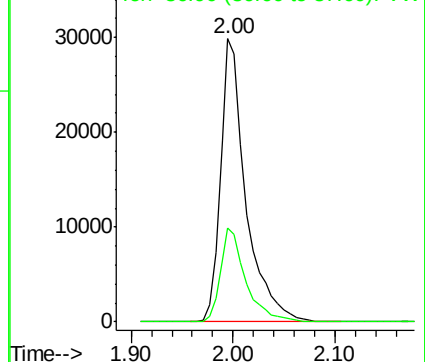
85 100

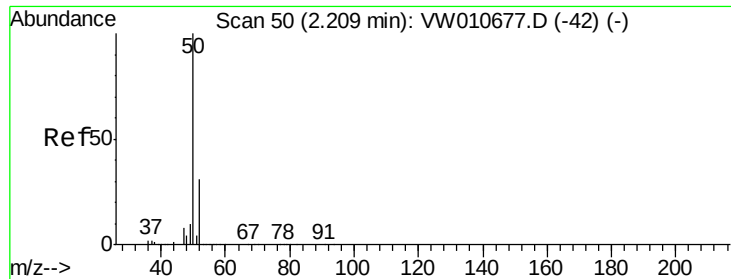
87 33.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.777 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 76130

Ion Ratio Lower Upper

50 100

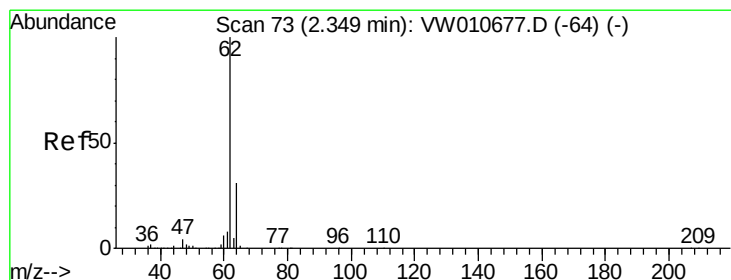
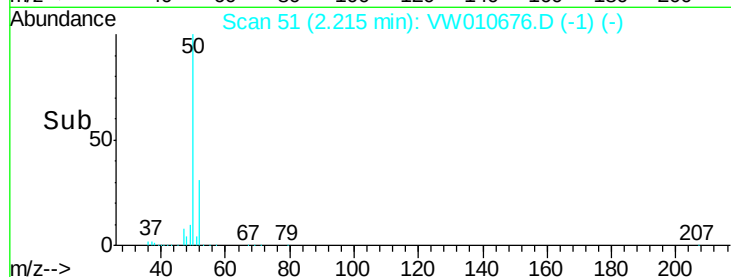
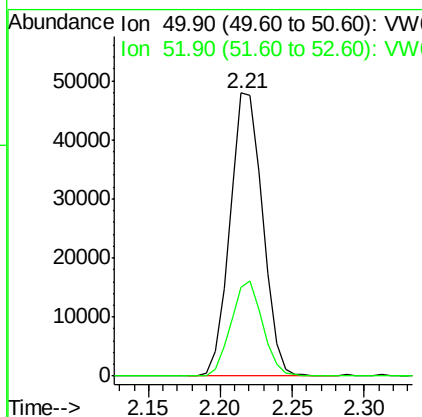
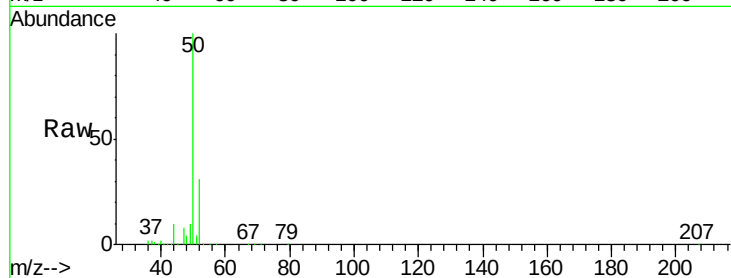
52 31.5 25.2 37.8

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#4

Vinyl Chloride

Concen: 20.744 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010676.D

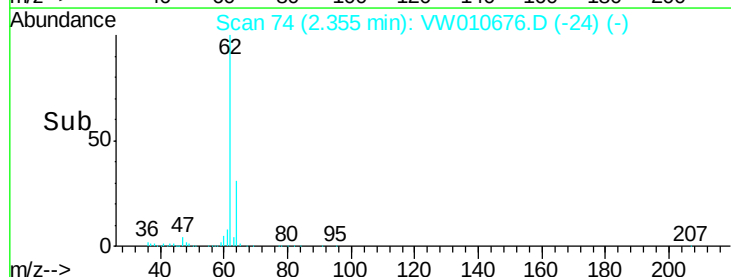
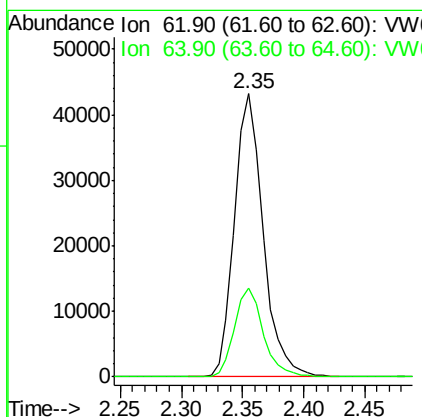
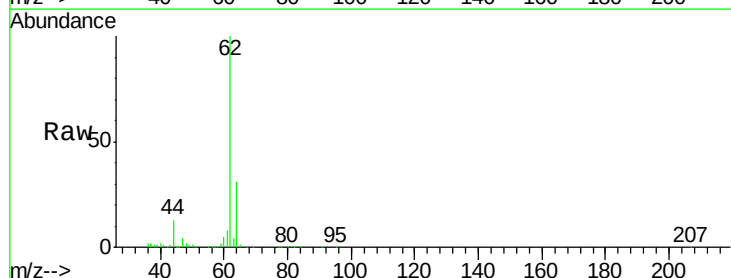
Acq: 04 Jun 2019 15:14

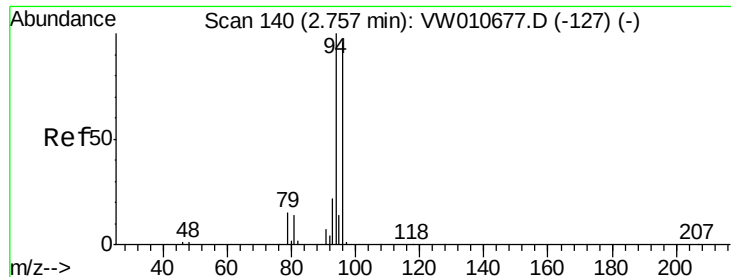
Tgt Ion: 62 Resp: 70227

Ion Ratio Lower Upper

62 100

64 31.3 24.5 36.7





#5

Bromomethane

Concen: 19.606 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 36449

Ion Ratio Lower Upper

94 100

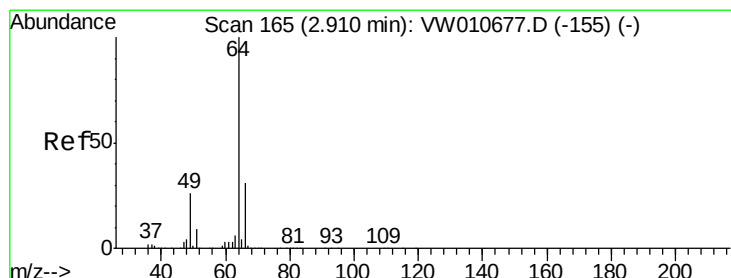
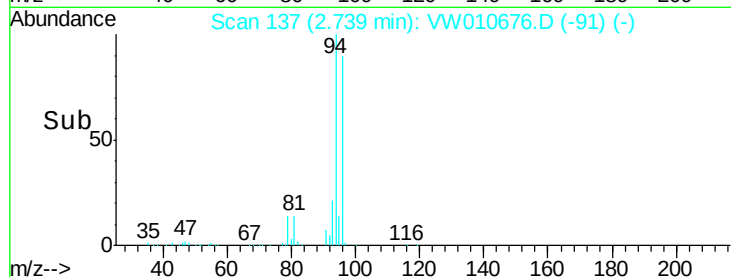
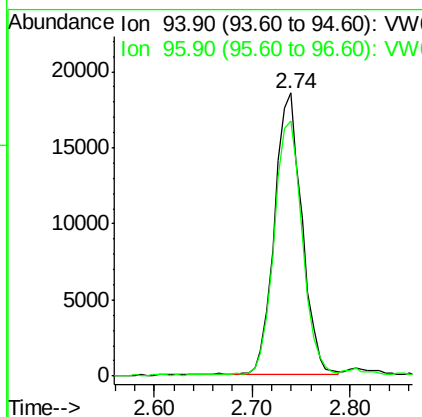
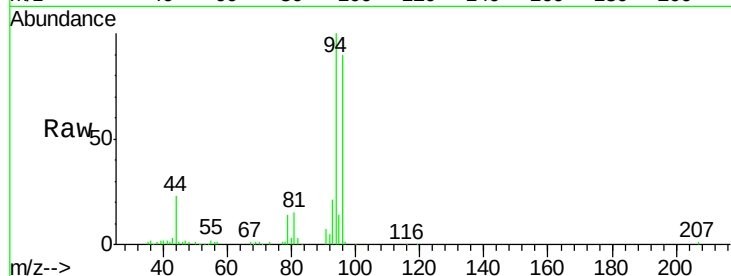
96 90.3 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 20.600 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010676.D

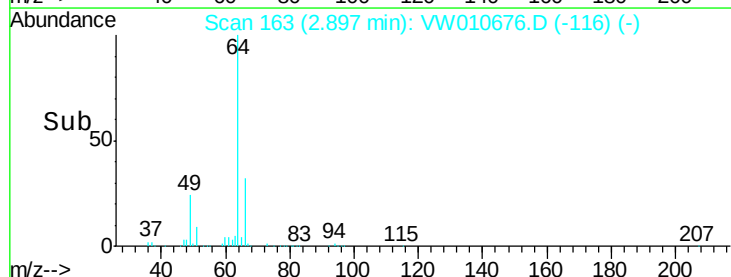
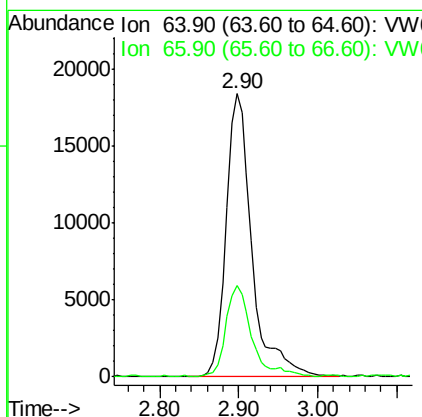
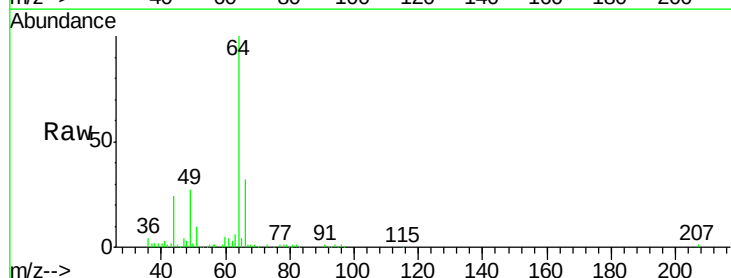
Acq: 04 Jun 2019 15:14

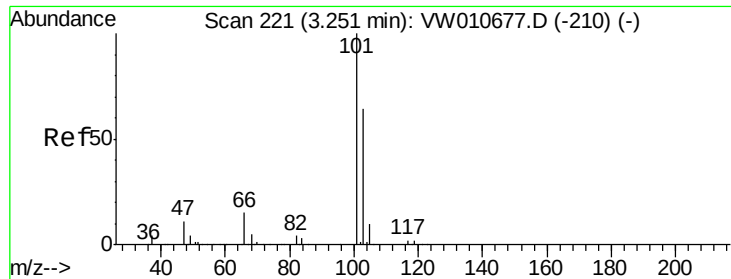
Tgt Ion: 64 Resp: 41861

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7





#7

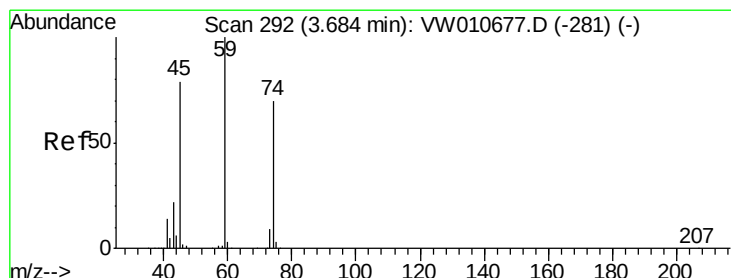
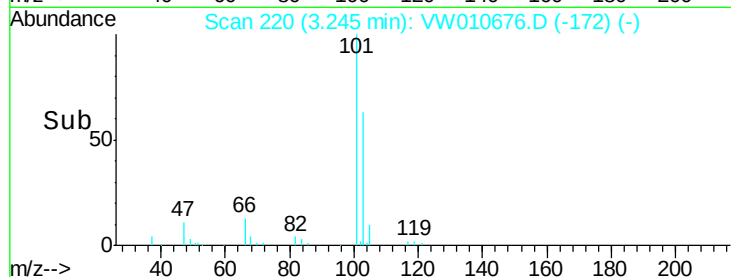
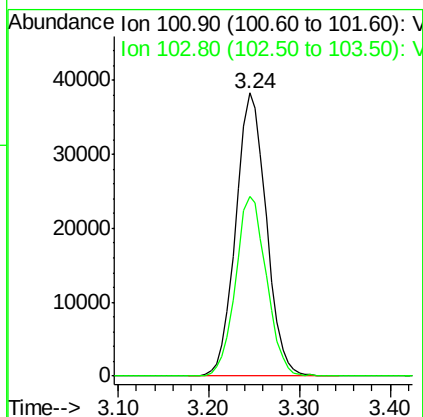
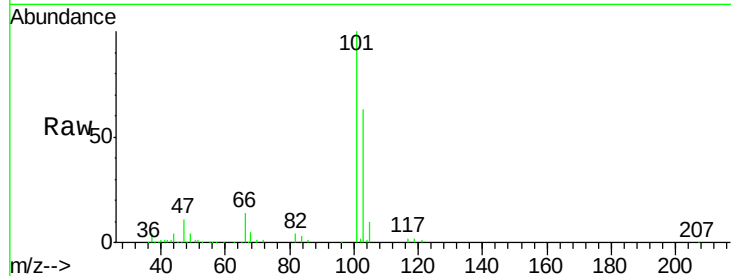
Trichlorofluoromethane
 Concen: 20.364 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
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 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.2	76.8

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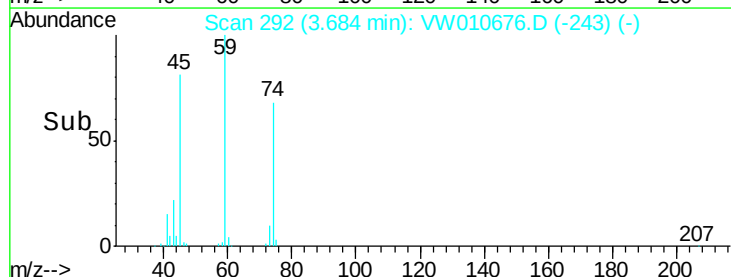
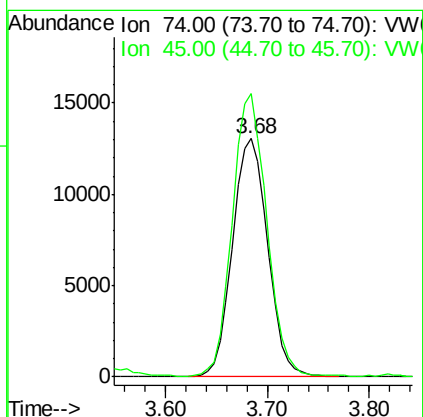
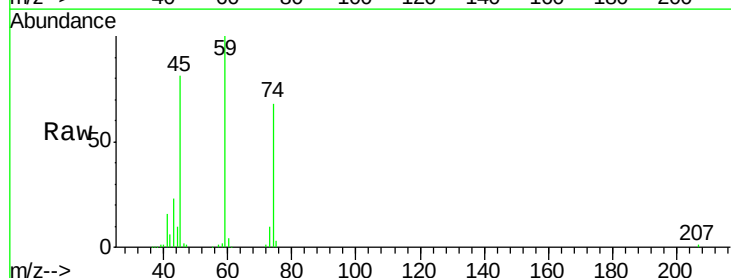
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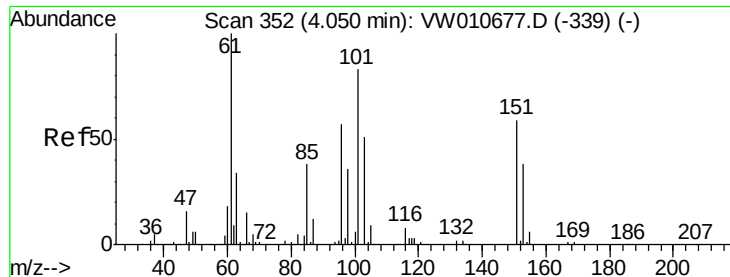


#8

Diethyl Ether
 Concen: 19.907 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.1	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.284 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

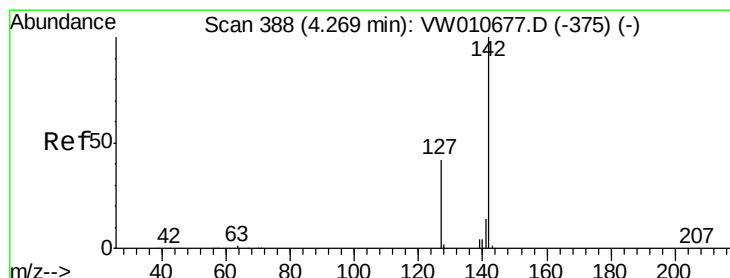
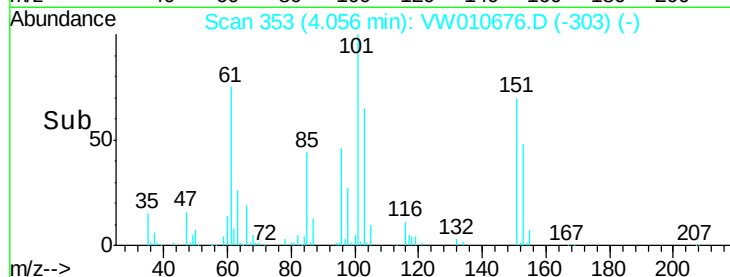
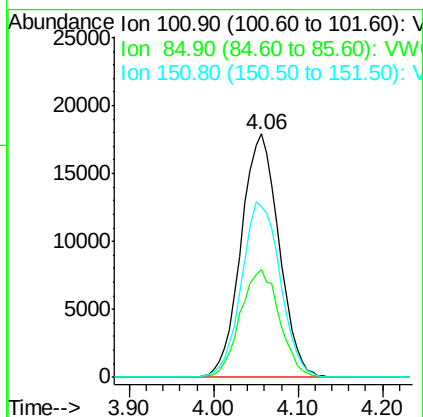
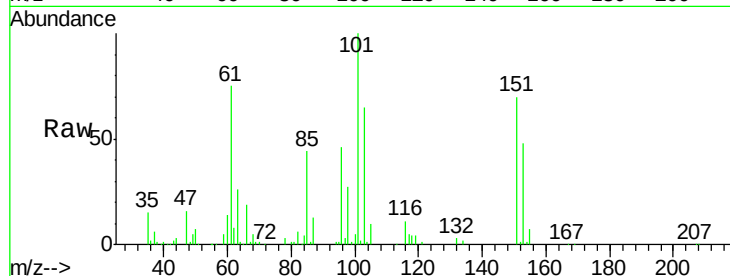
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	54805
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.8	53.8
151	73.6	58.1	87.1

Manual Integrations
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#10

Methyl Iodide

Concen: 20.320 ug/l

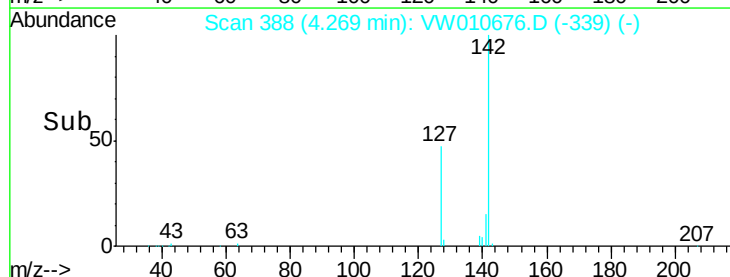
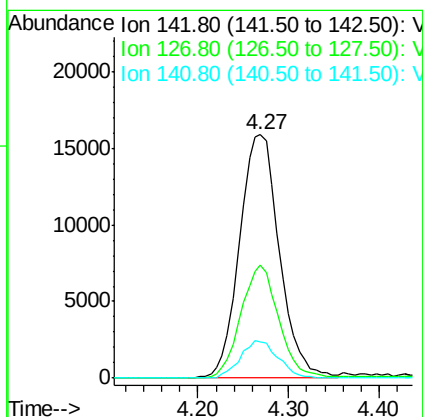
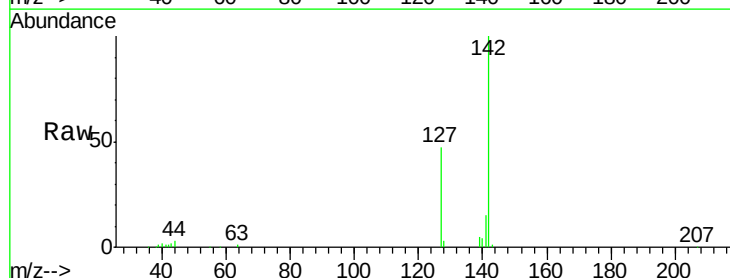
RT: 4.27 min Scan# 388

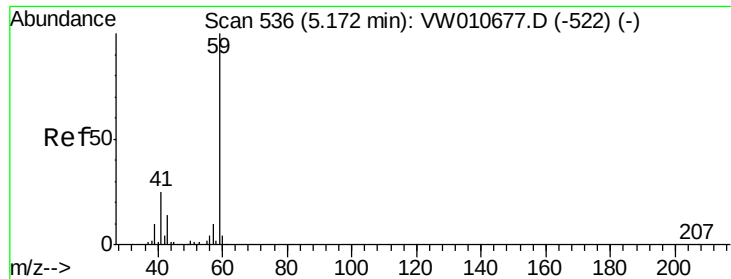
Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion:	142	Resp:	48483
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.6	51.8
141	14.4	11.6	17.4





#11

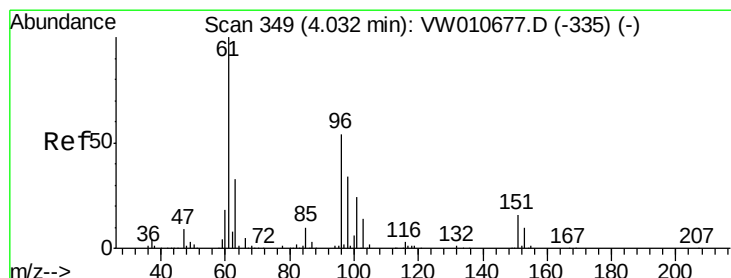
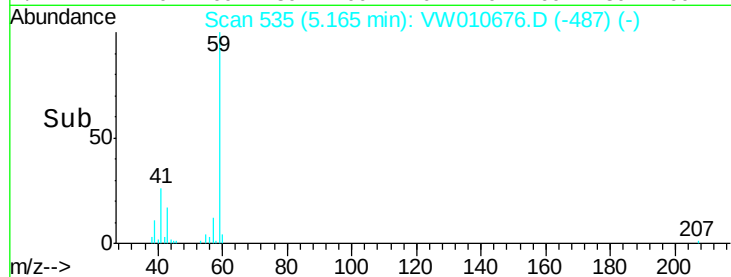
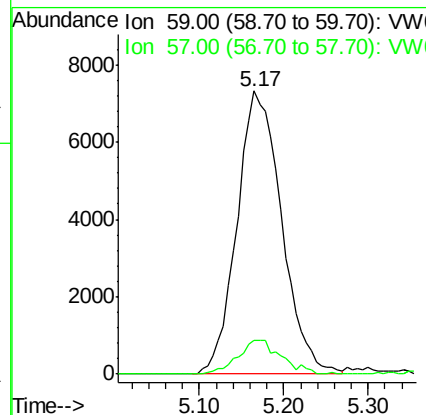
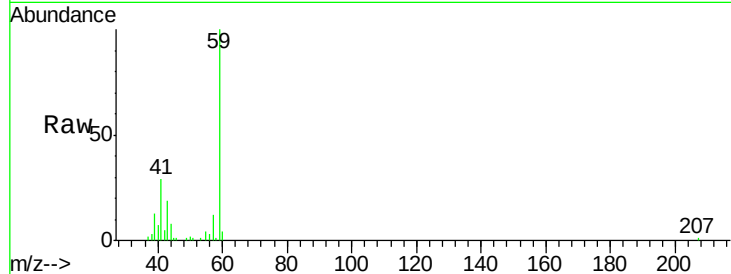
Tert butyl alcohol
Concen: 101.882 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.6	12.8

Manual Integrations
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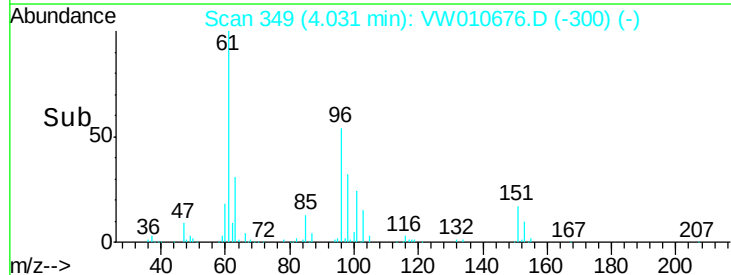
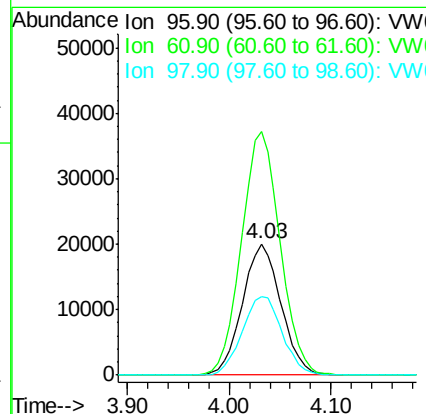
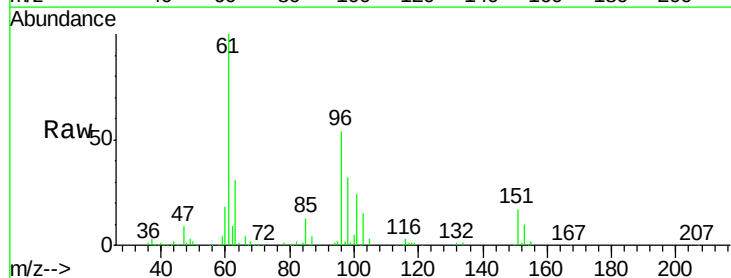
MMDadoda
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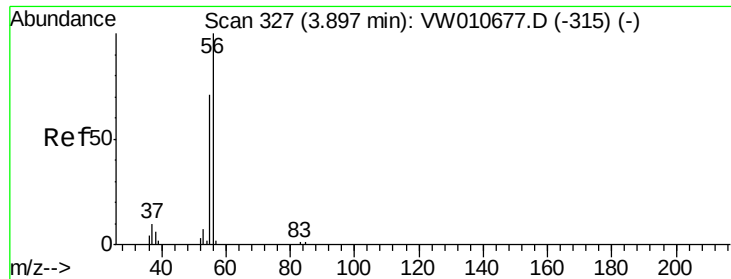


#12

1,1-Dichloroethene
Concen: 20.149 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.1	149.1	223.7
98	59.9	51.1	76.7





#13

Acrolein

Concen: 96.426 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 10197

Ion Ratio Lower Upper

56 100

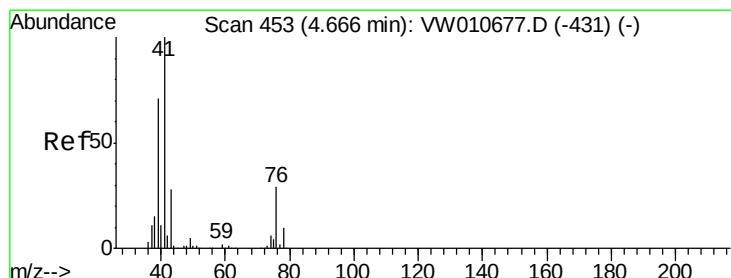
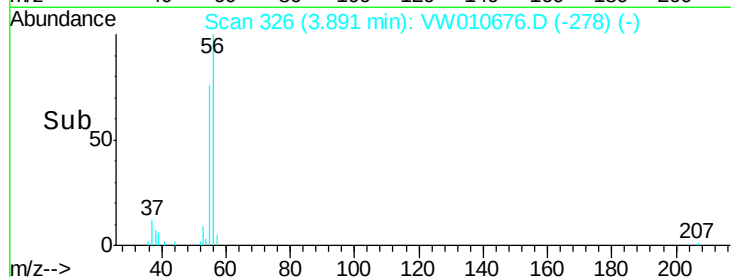
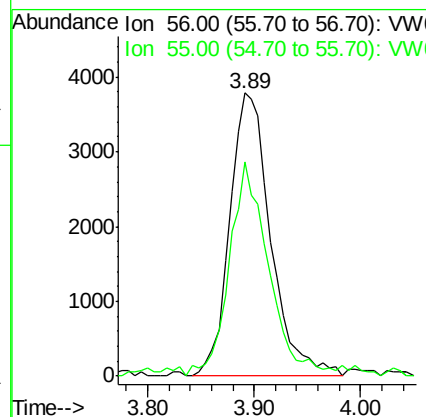
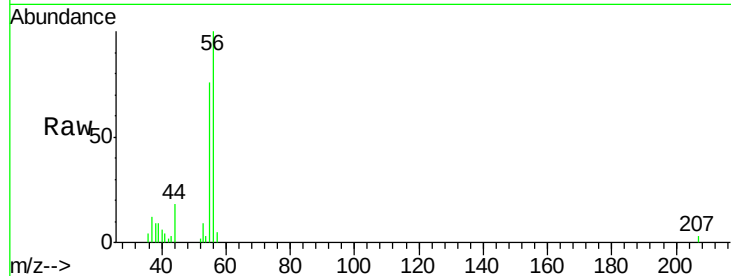
55 72.5 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.711 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

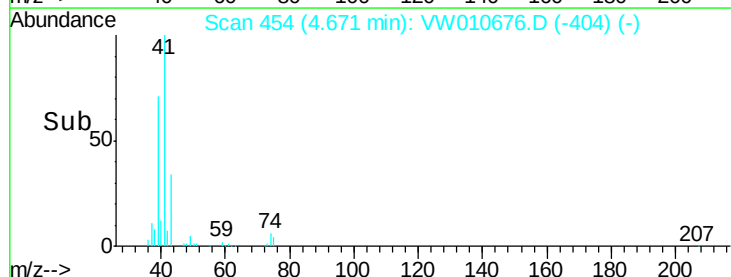
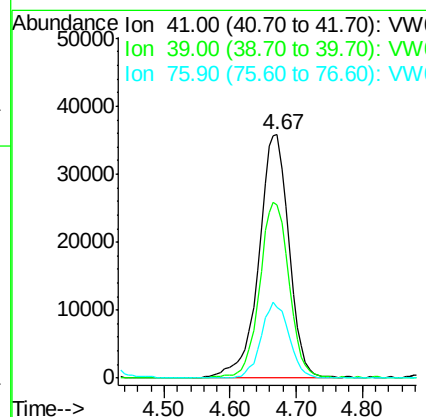
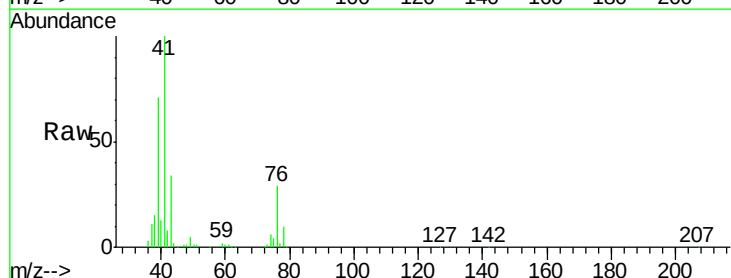
Tgt Ion: 41 Resp: 113277

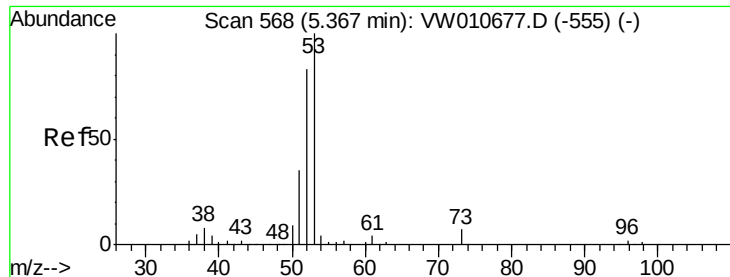
Ion Ratio Lower Upper

41 100

39 70.1 55.8 83.6

76 28.8 22.7 34.1





#15

Acrylonitrile

Concen: 102.132 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

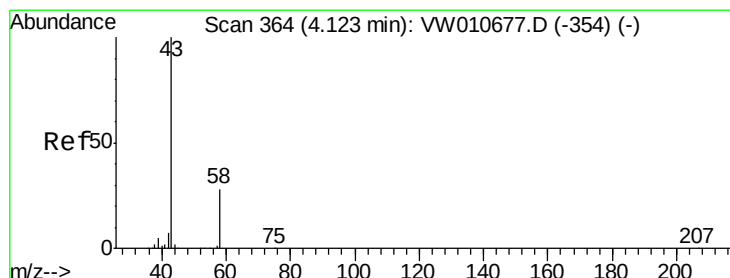
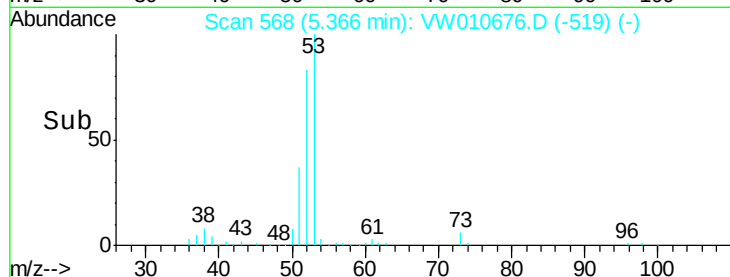
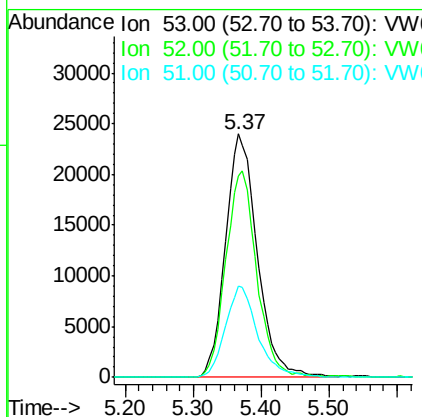
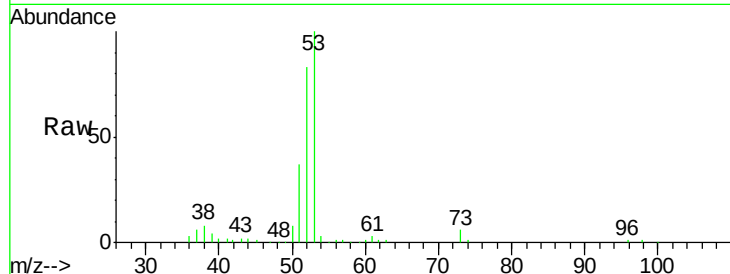
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	77923
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	100.0
51	38.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 94.483 ug/l

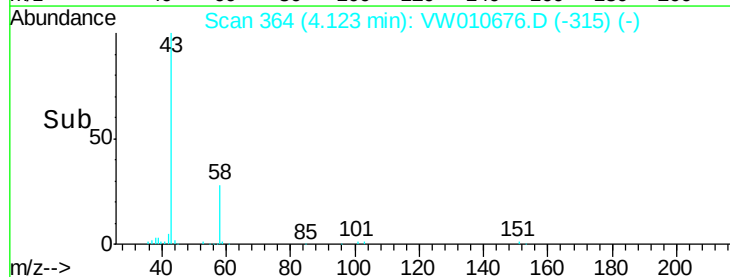
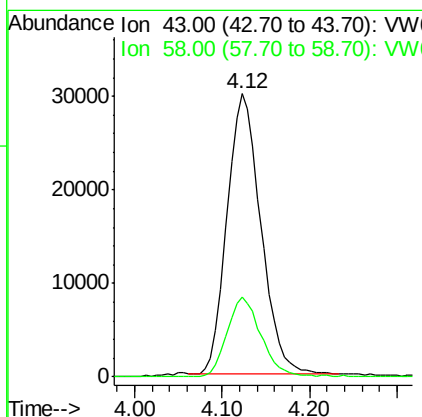
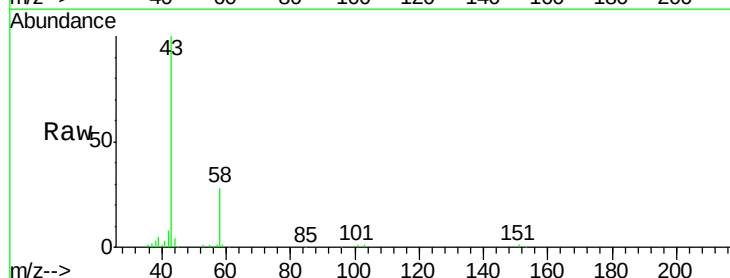
RT: 4.12 min Scan# 364

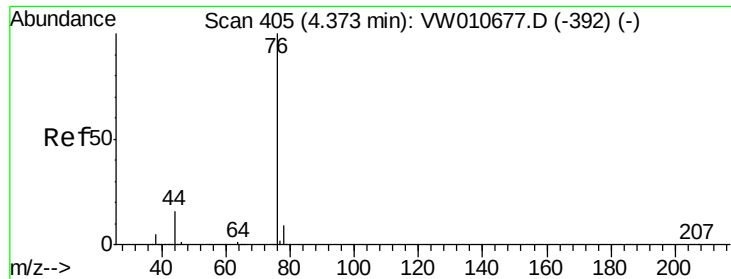
Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion:	43	Resp:	80420
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.1	33.1





#17

Carbon Disulfide

Concen: 19.771 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 163579

Ion Ratio Lower Upper

76 100

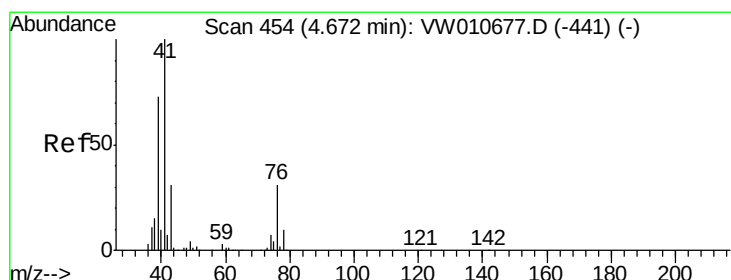
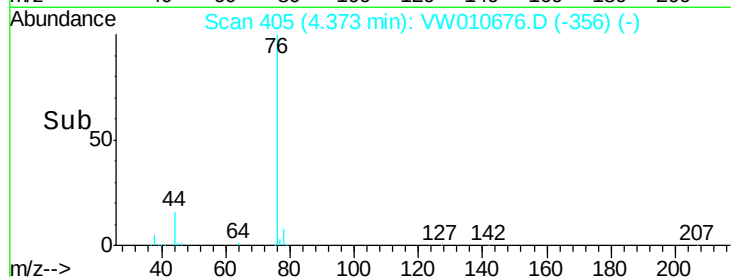
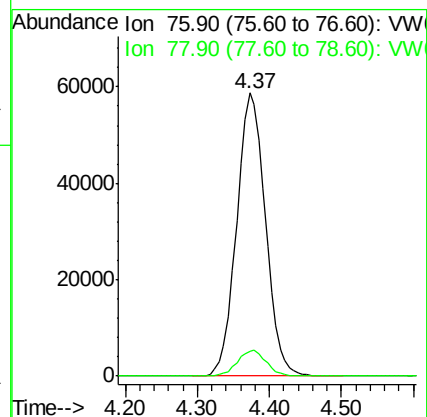
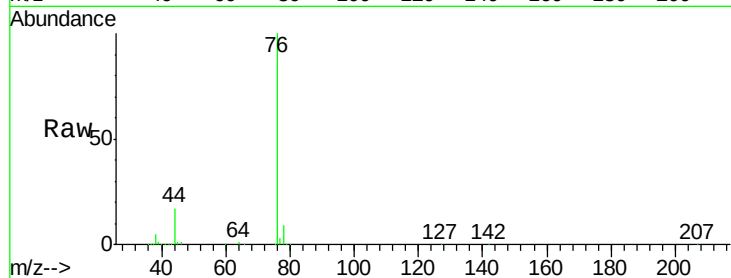
78 8.9 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 19.957 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010676.D

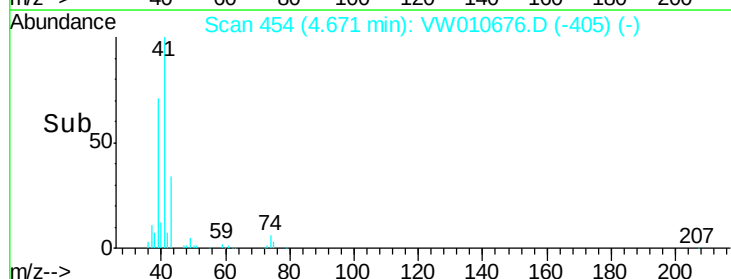
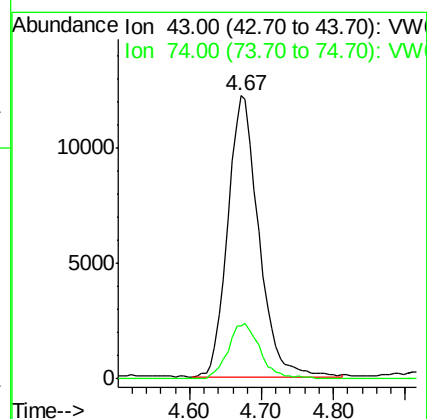
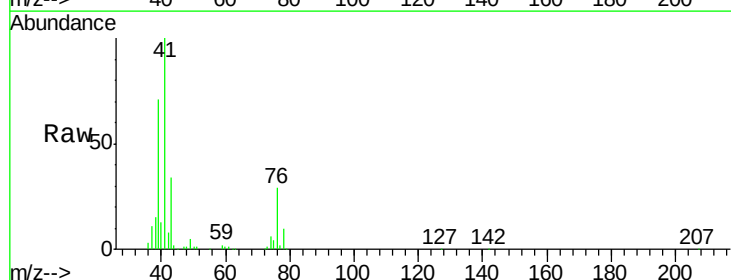
Acq: 04 Jun 2019 15:14

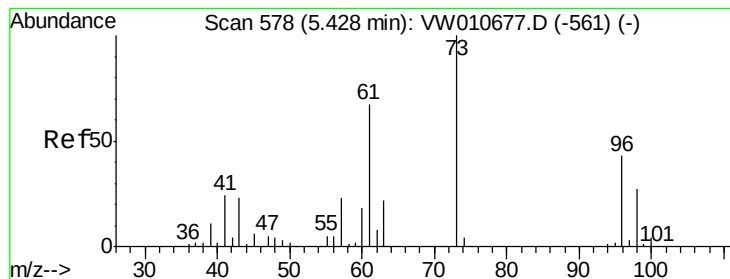
Tgt Ion: 43 Resp: 36565

Ion Ratio Lower Upper

43 100

74 20.0 16.7 25.1





#19

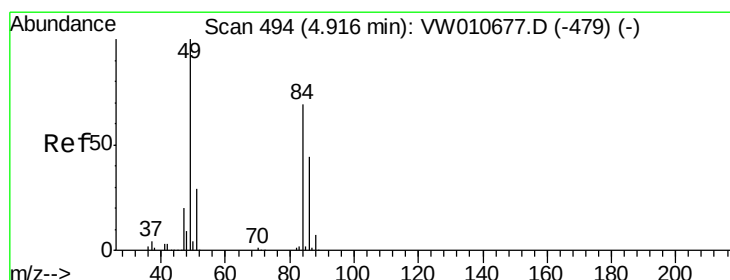
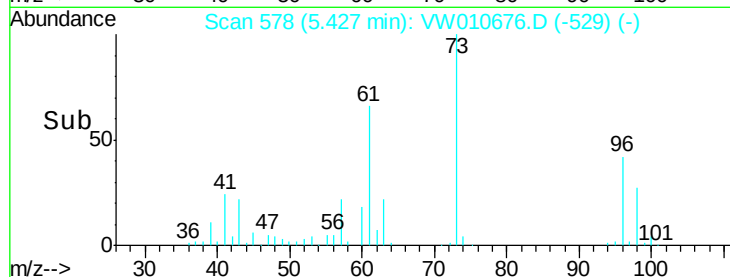
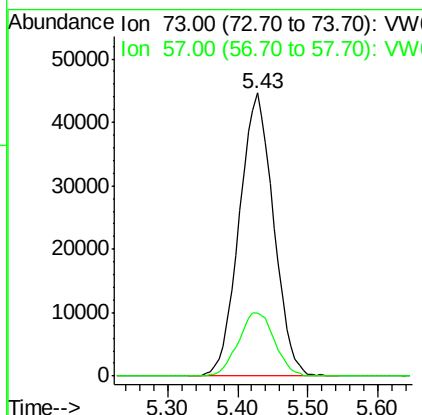
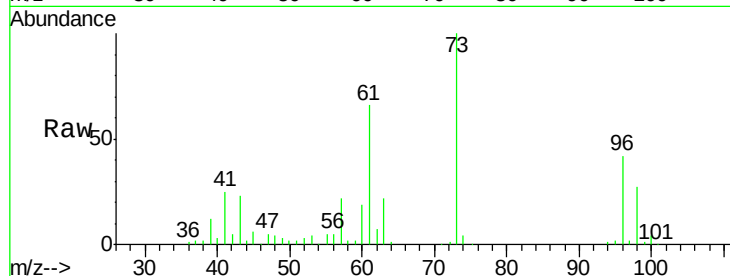
Methyl tert-butyl Ether
 Concen: 20.210 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	73	Resp	151917
Ion Ratio	100	Lower	Upper
57	22.1	18.6	27.8

Manual Integrations
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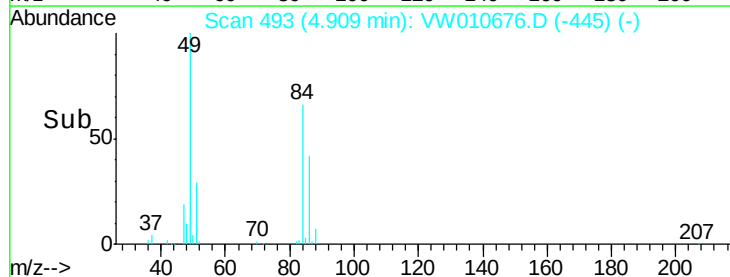
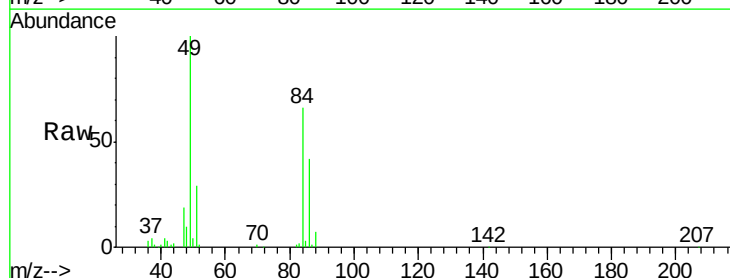
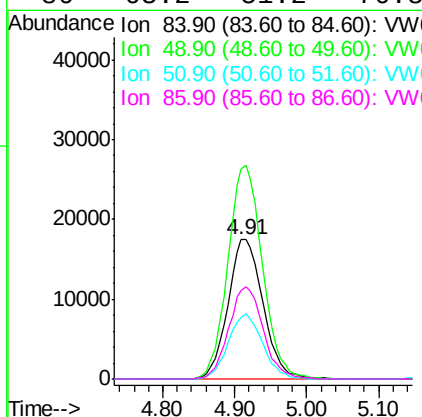
MMDadoda
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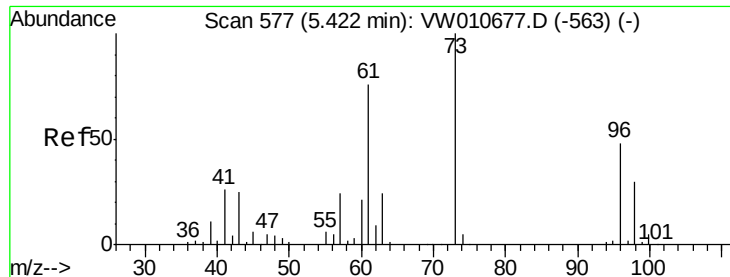


#20

Methylene Chloride
 Concen: 19.805 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	84	Resp	59136
Ion Ratio	100	Lower	Upper
49	150.9	116.7	175.1
51	44.0	34.2	51.2
86	63.2	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 20.170 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 59676

Ion Ratio Lower Upper

96 100

61 161.2 126.0 189.0

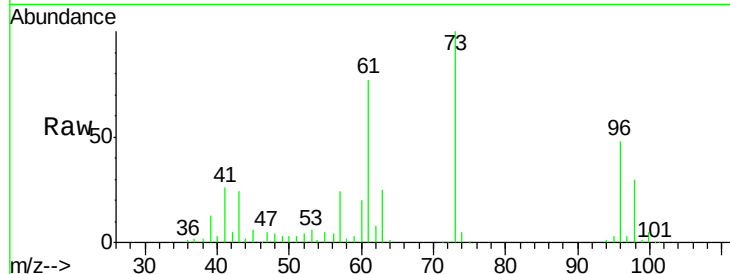
98 63.4 49.6 74.4

Manual Integrations

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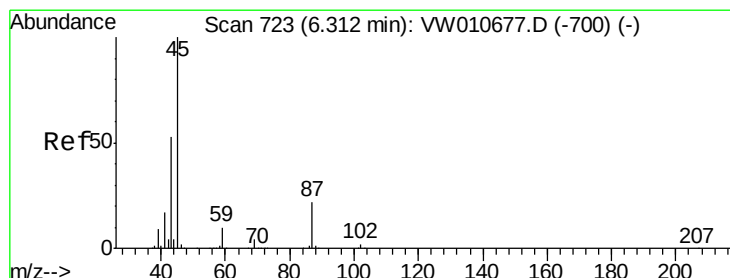
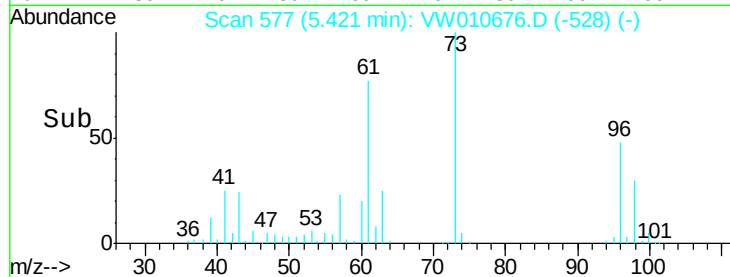
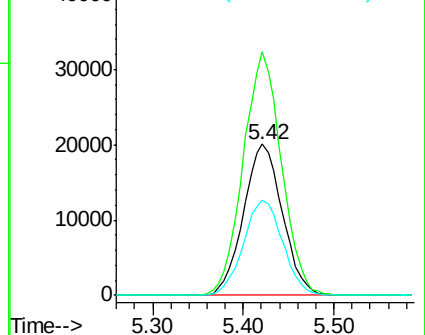


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.995 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion: 45 Resp: 230050

Ion Ratio Lower Upper

45 100

43 56.4 42.5 63.7

87 21.6 17.4 26.2

59 10.4 8.1 12.1

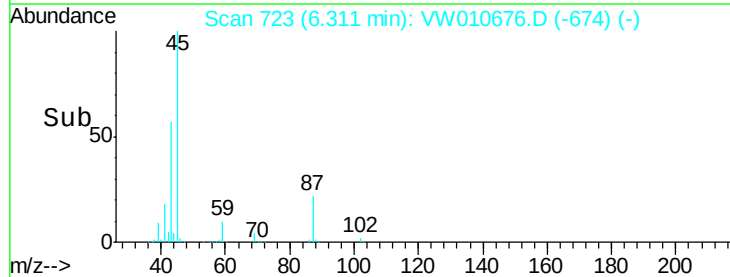
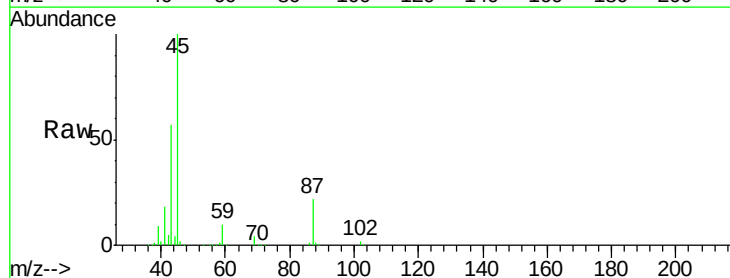
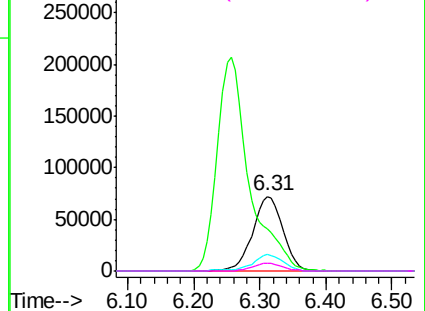
Abundance

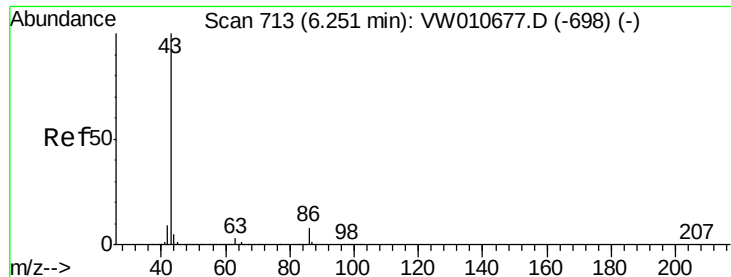
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 100.157 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 695416

Ion Ratio Lower Upper

43 100

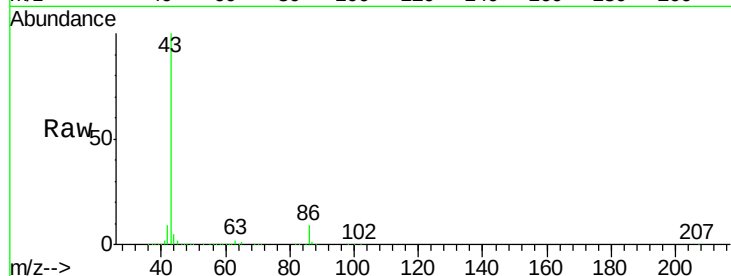
86 8.5 6.6 10.0

Manual Integrations

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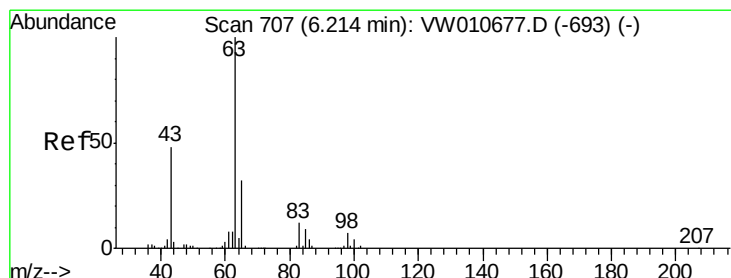
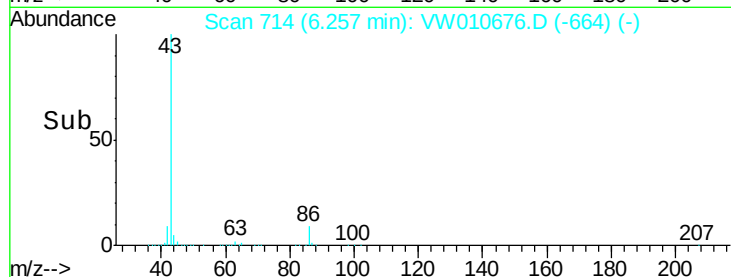
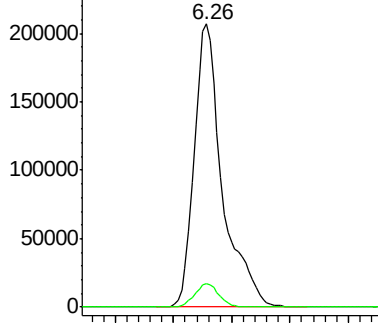
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.135 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

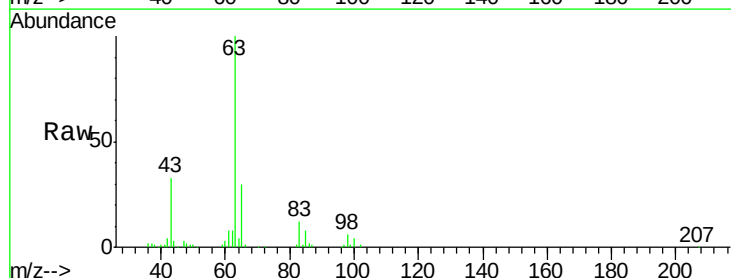
Tgt Ion: 63 Resp: 116091

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

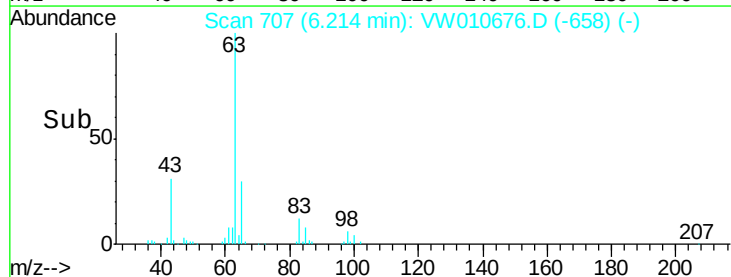
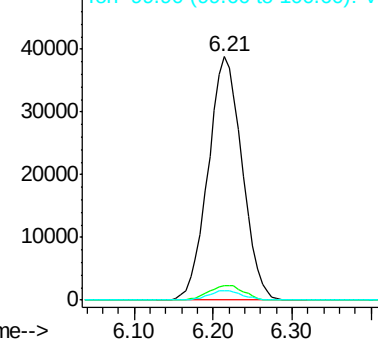
100 4.0 2.1 6.3

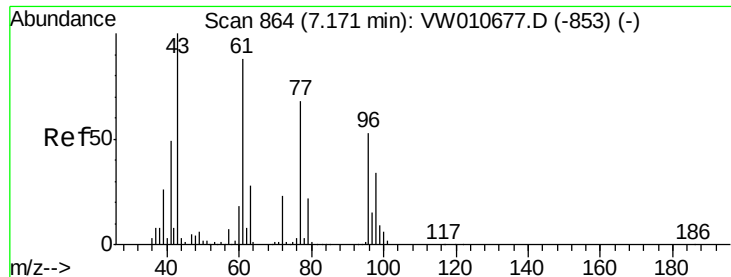


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 99.273 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 117167

Ion Ratio Lower Upper

43 100

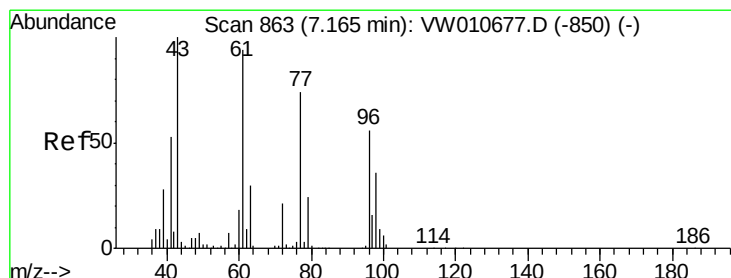
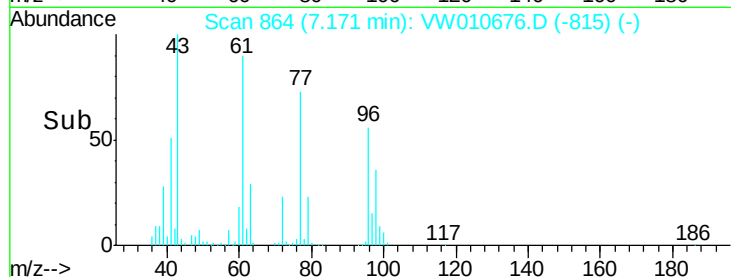
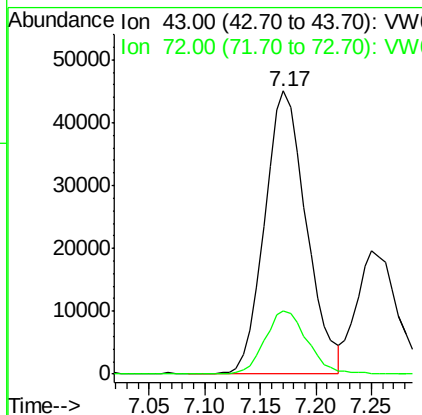
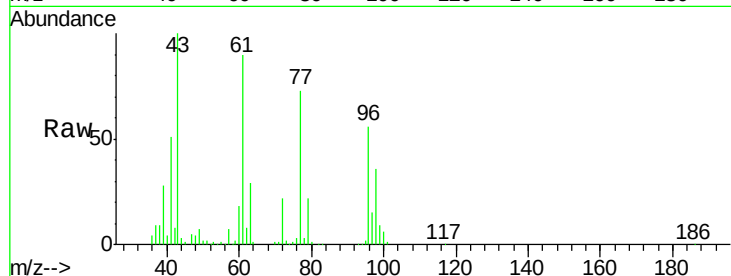
72 22.5 18.1 27.1

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.047 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW010676.D

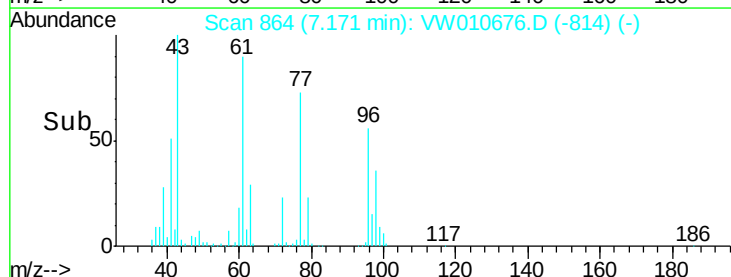
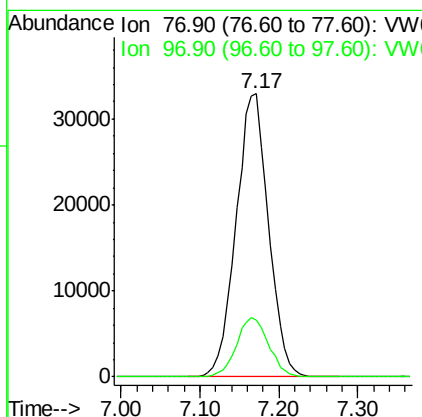
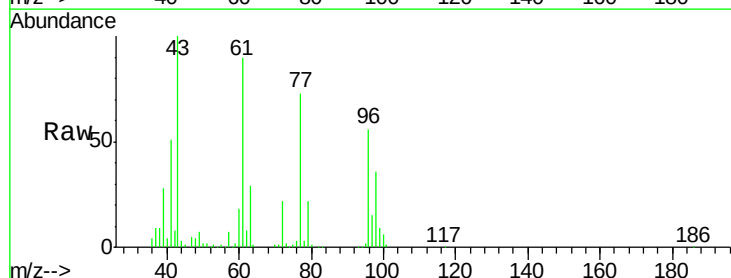
Acq: 04 Jun 2019 15:14

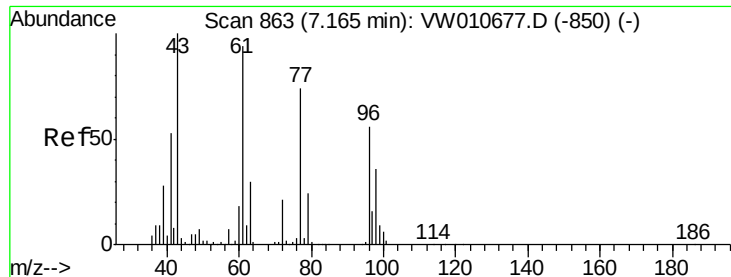
Tgt Ion: 77 Resp: 94057

Ion Ratio Lower Upper

77 100

97 20.8 10.5 31.6





#27

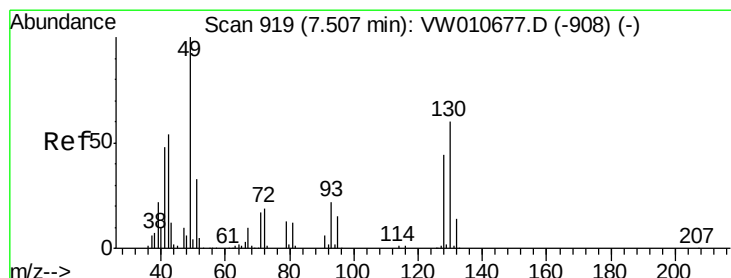
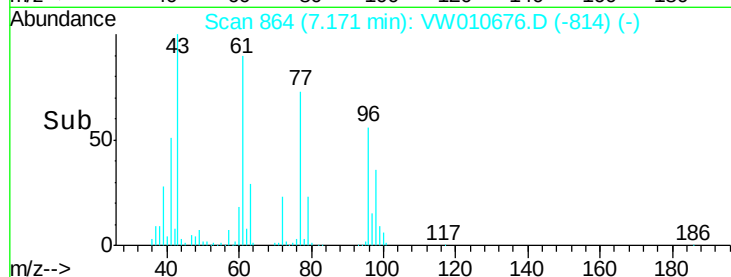
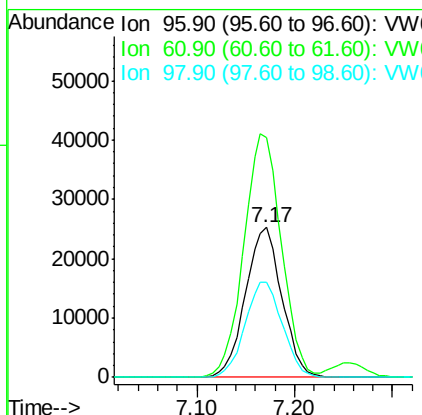
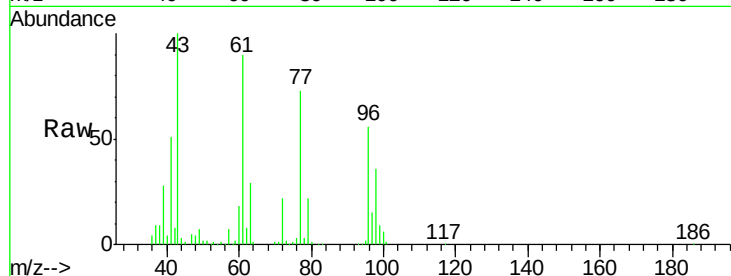
cis-1,2-Dichloroethene
Concen: 20.016 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.6	0.0	336.4
98	65.1	0.0	128.0

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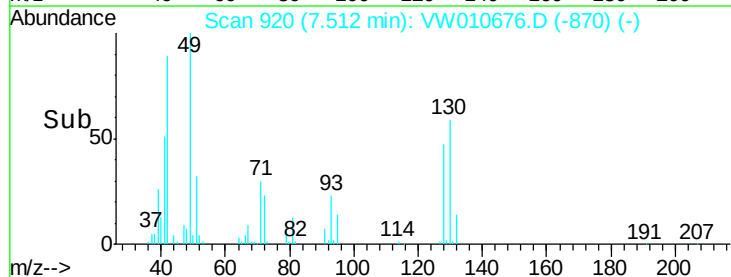
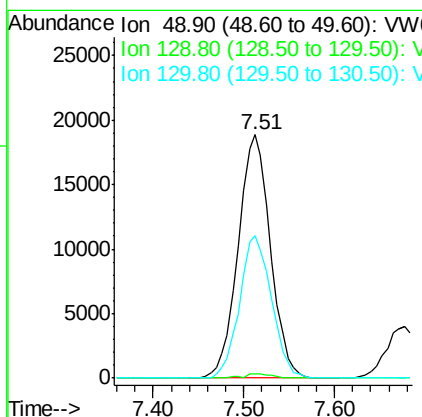
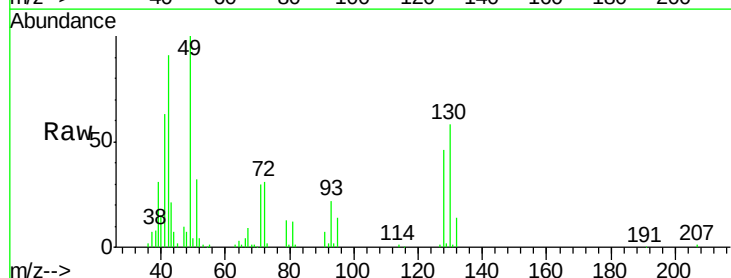
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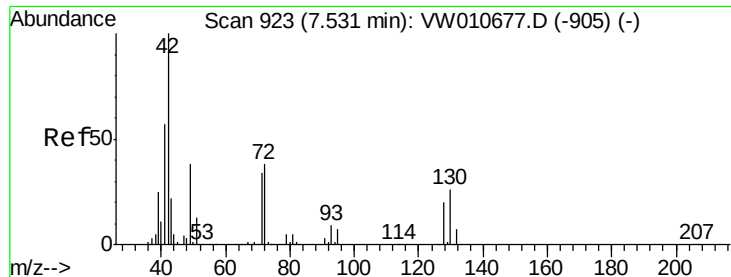


#28

Bromochloromethane
Concen: 18.016 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.2
130	58.1	48.3	72.5





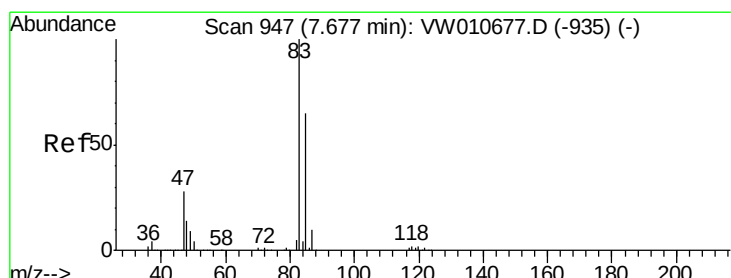
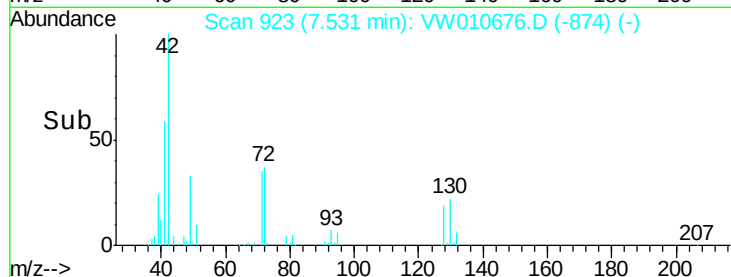
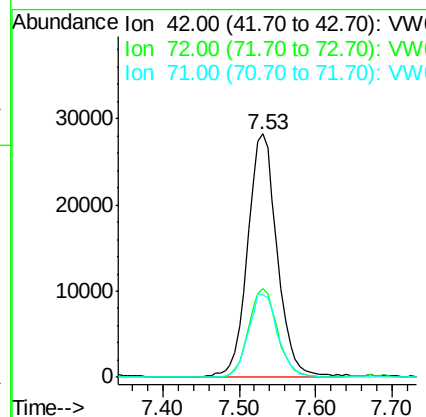
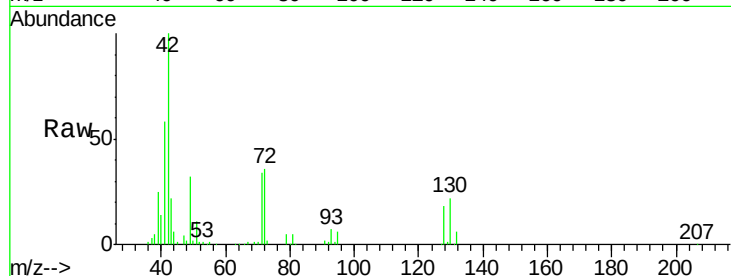
#29
Tetrahydrofuran
Concen: 101.242 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.7	43.1
71	34.6	26.6	39.8

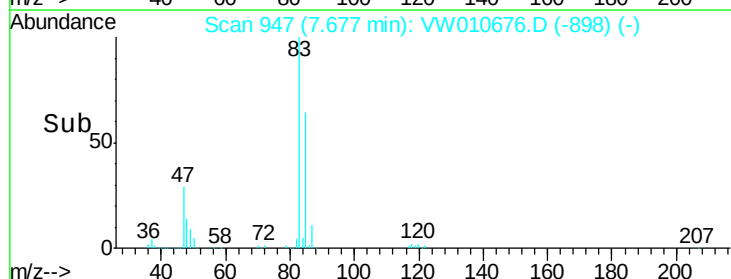
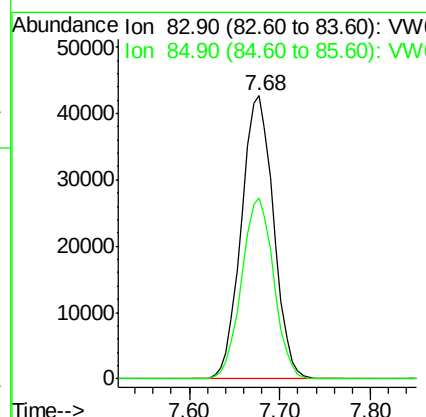
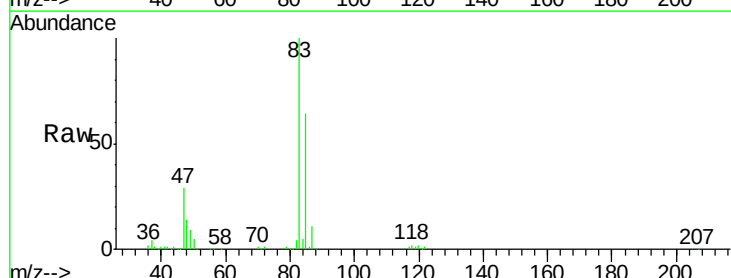
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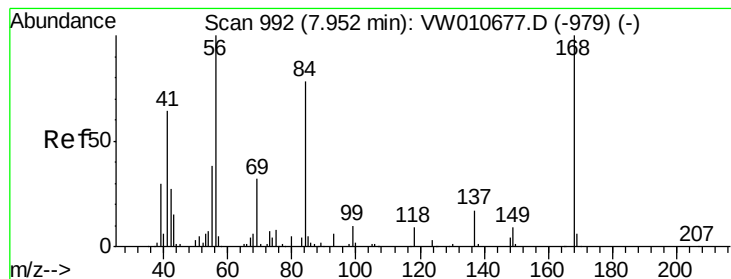
MMDadoda
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#30
Chloroform
Concen: 19.950 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.8





#31

Cyclohexane

Concen: 19.716 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 126368

Ion Ratio Lower Upper

56 100

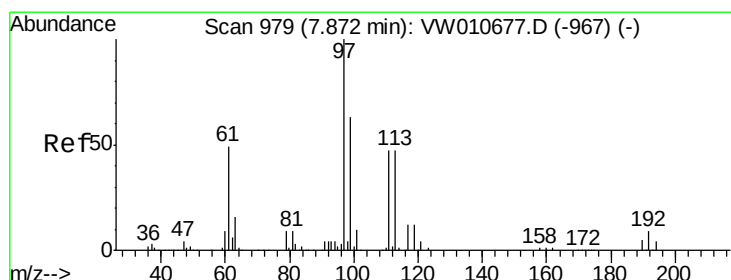
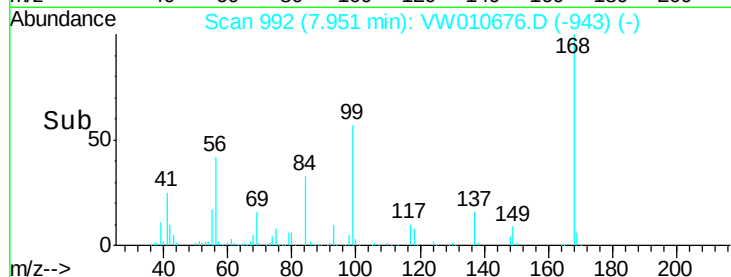
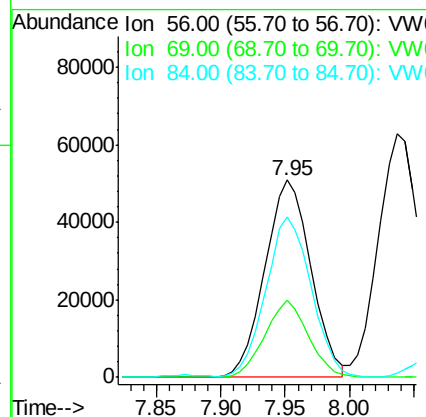
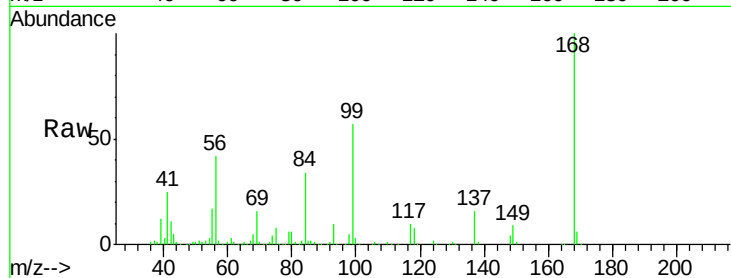
69 38.9 25.2 37.8#

84 80.4 62.2 93.2

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#32

1,1,1-Trichloroethane

Concen: 19.884 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

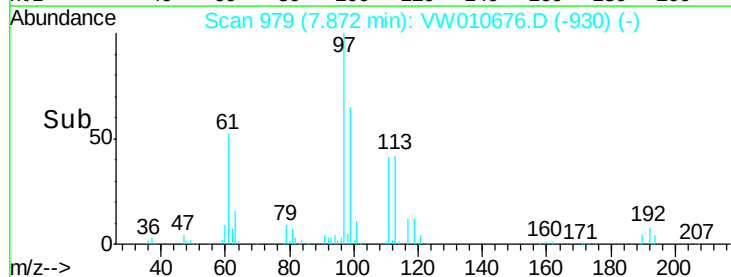
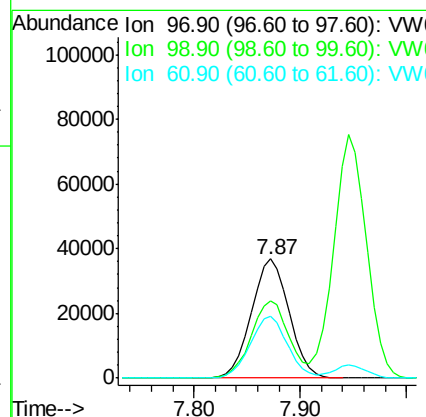
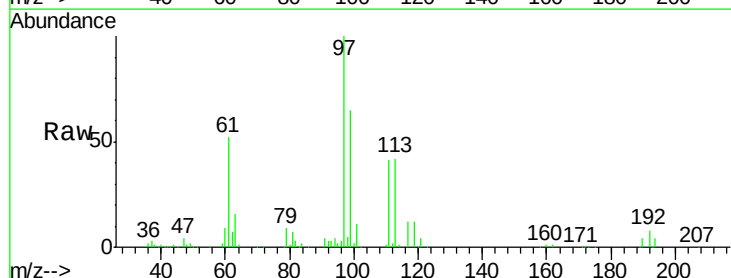
Tgt Ion: 97 Resp: 91603

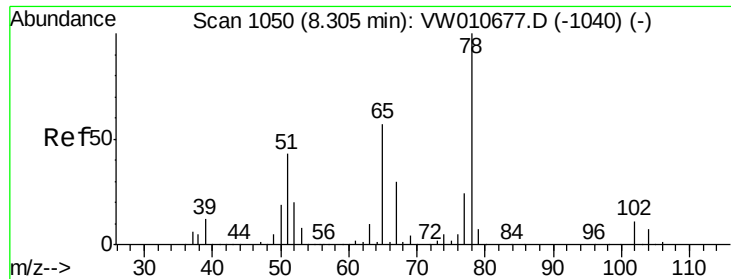
Ion Ratio Lower Upper

97 100

99 65.7 51.3 76.9

61 51.0 40.4 60.6





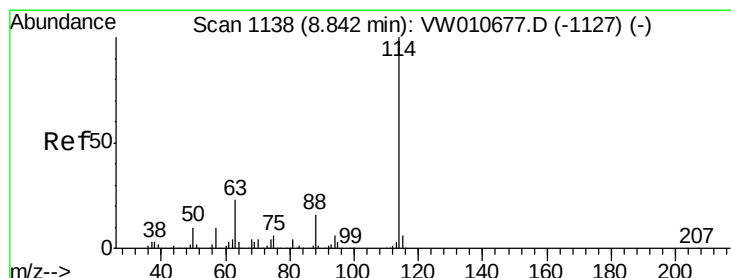
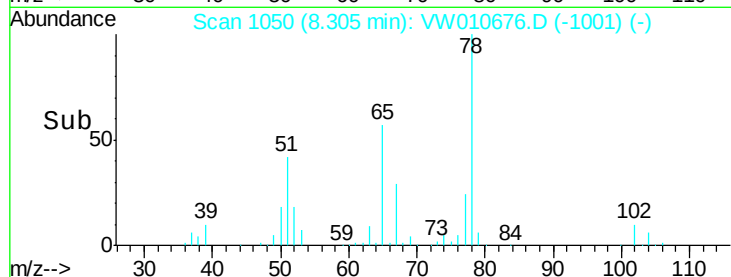
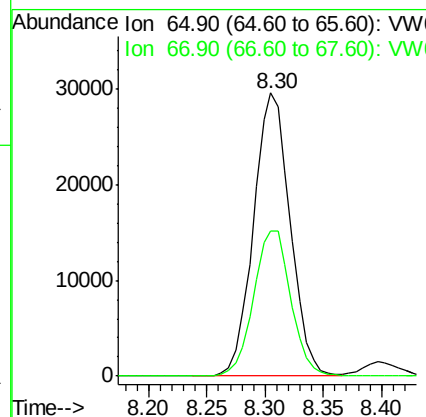
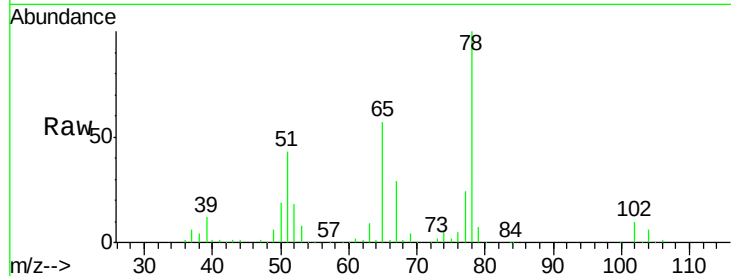
#33
 1,2-Dichloroethane-d4
 Concen: 20.291 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	102.6	

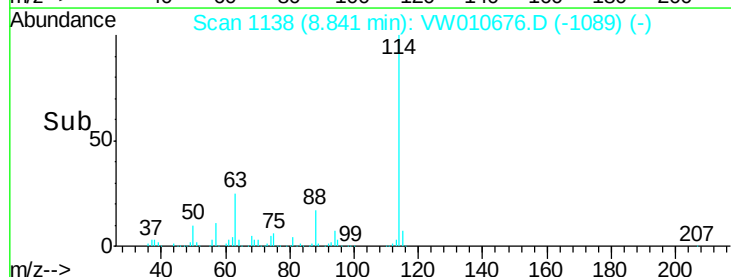
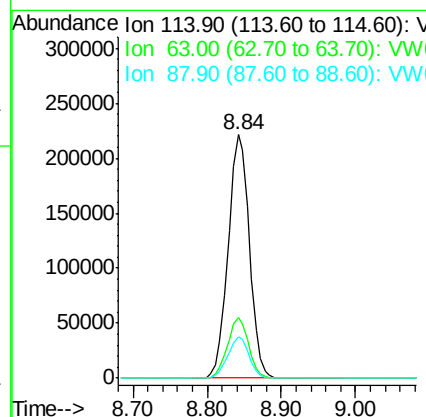
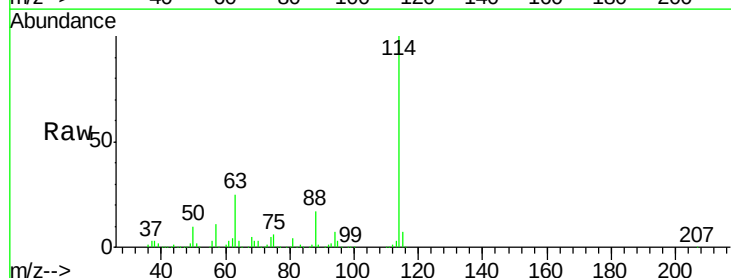
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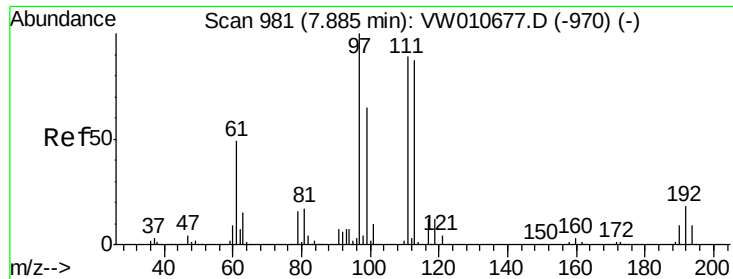
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.6	0.0	46.4	
88	17.0	0.0	32.2	





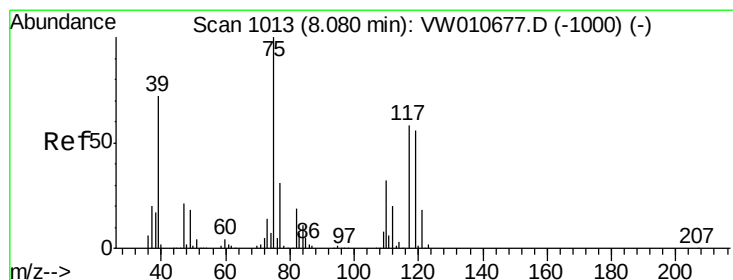
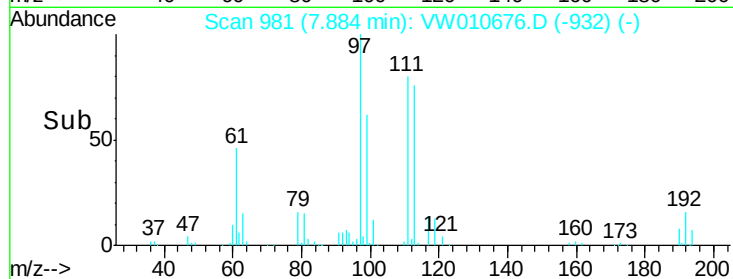
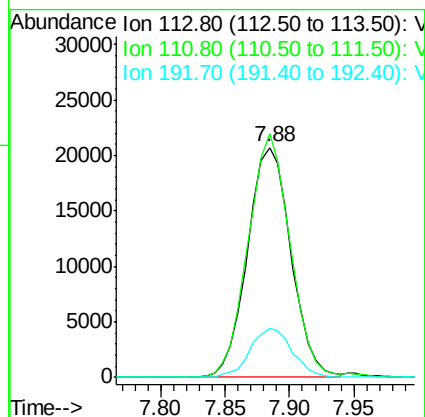
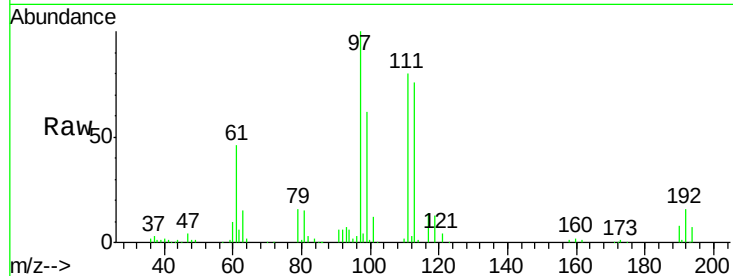
#35
Dibromofluoromethane
Concen: 20.344 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	123.8
192	20.5	16.4	24.6

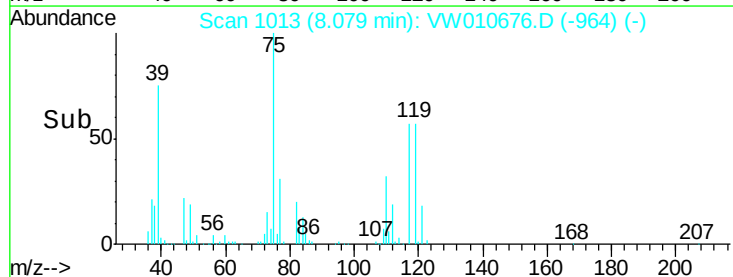
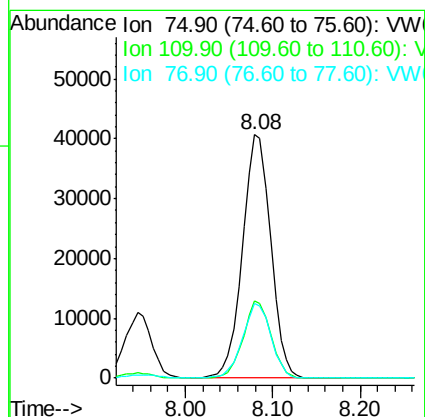
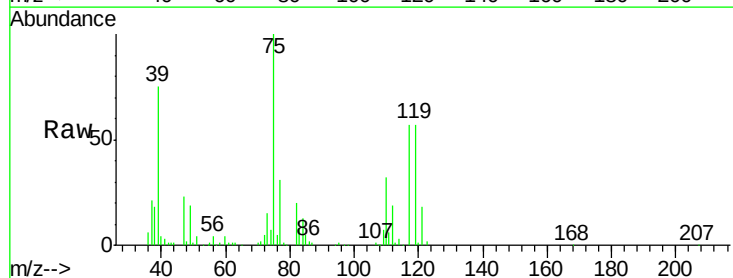
Manual Integrations
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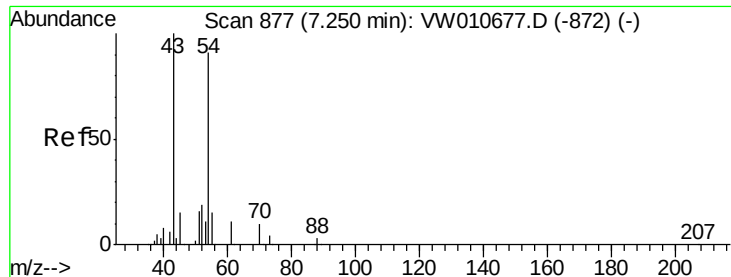
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#36
1,1-Dichloropropene
Concen: 20.405 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.8	47.3
77	30.9	24.7	37.1





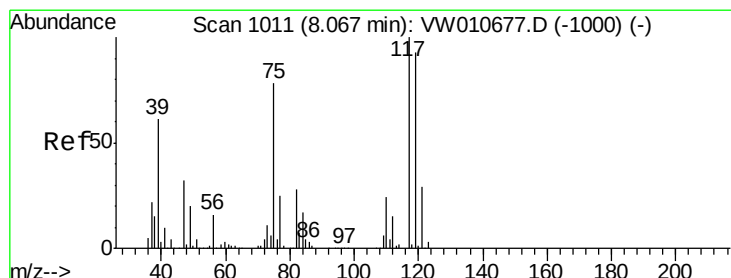
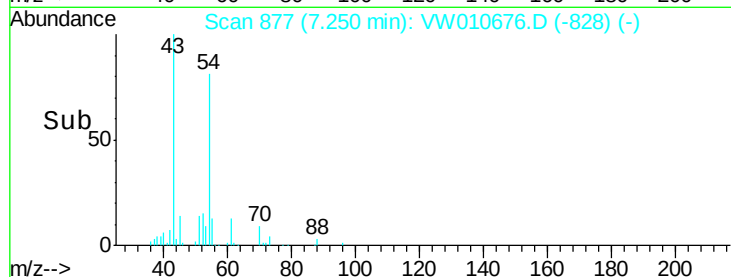
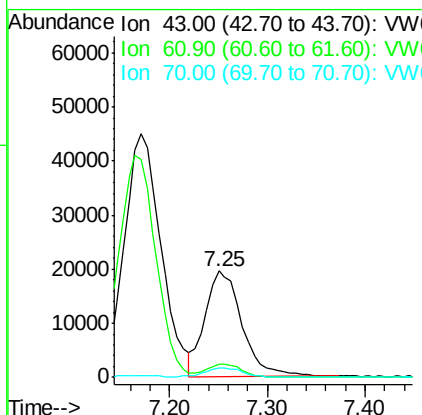
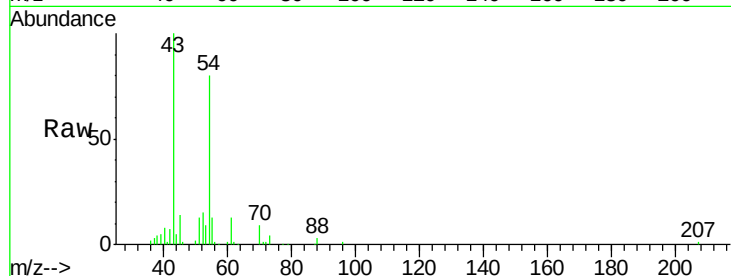
#37
Ethyl Acetate
Concen: 20.458 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.7	14.5
70	9.2	7.2	10.8

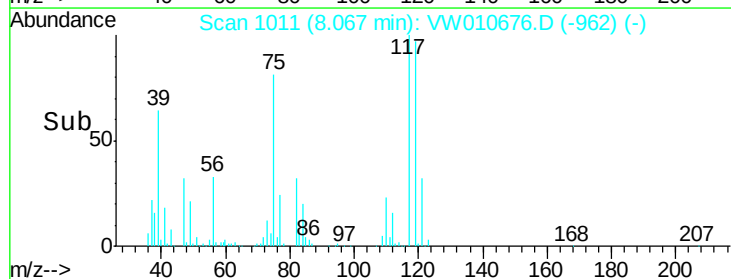
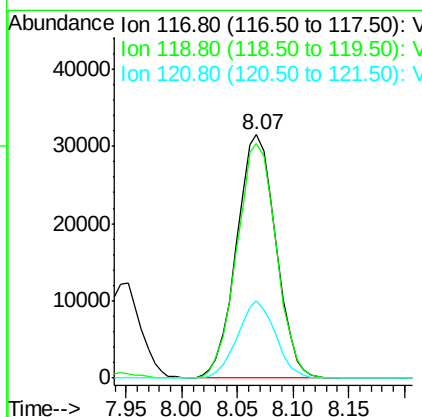
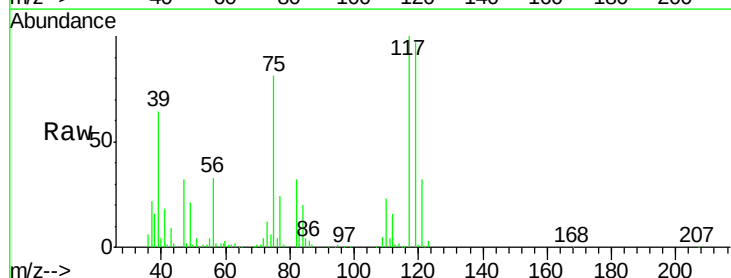
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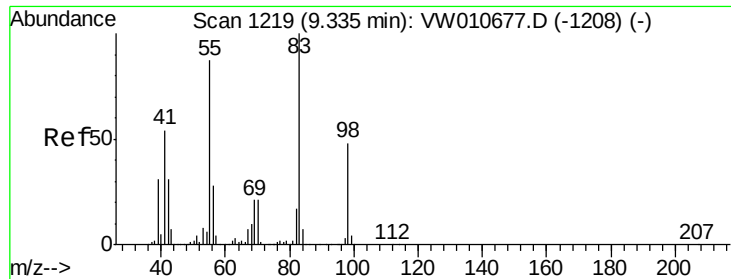
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#38
Carbon Tetrachloride
Concen: 19.947 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.2	111.4
121	31.9	22.9	34.3





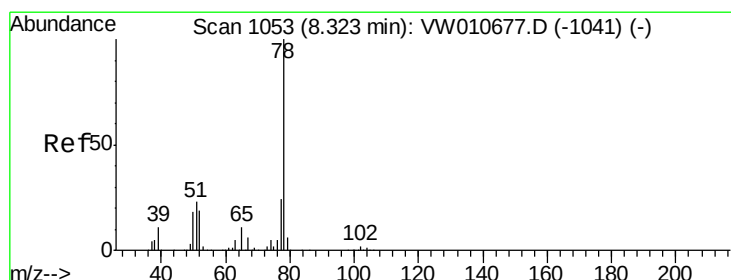
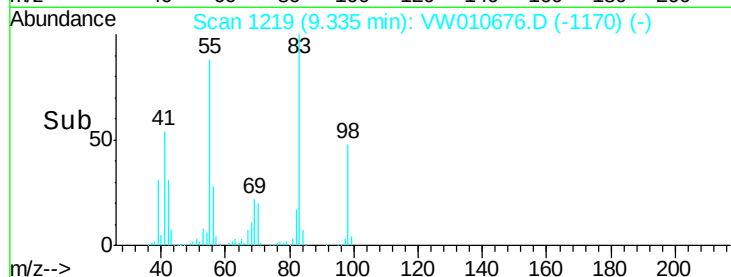
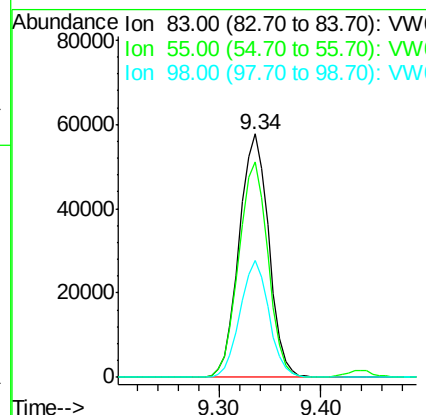
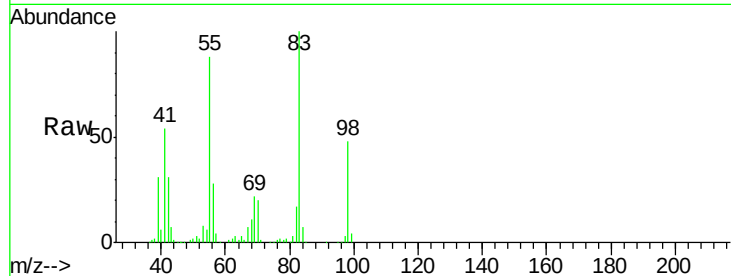
#39
Methylvlcyclohexane
Concen: 20.305 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	88.5	70.0	105.0	
98	48.2	38.1	57.1	

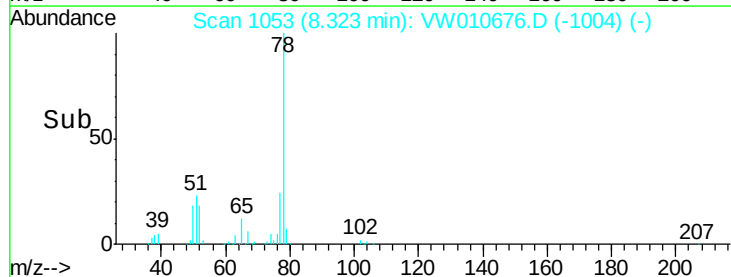
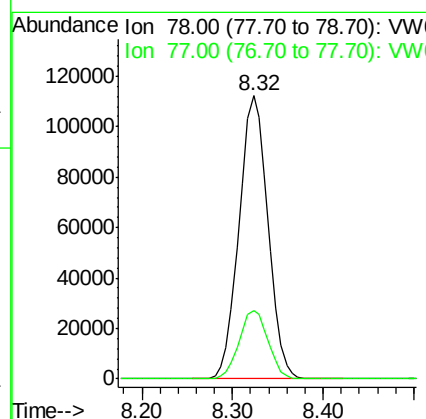
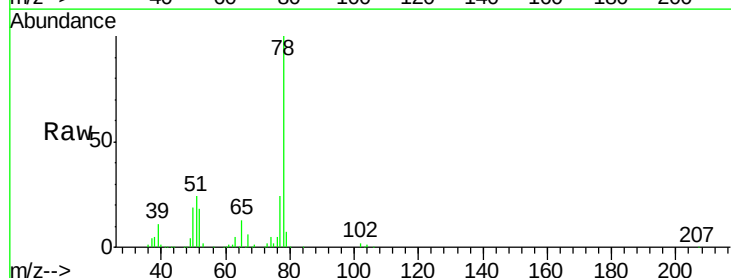
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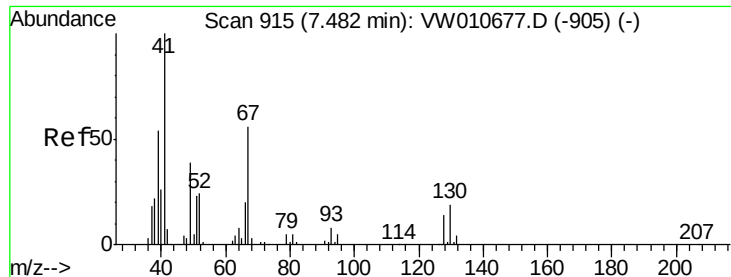
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#40
Benzene
Concen: 20.233 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	19.1	28.7	





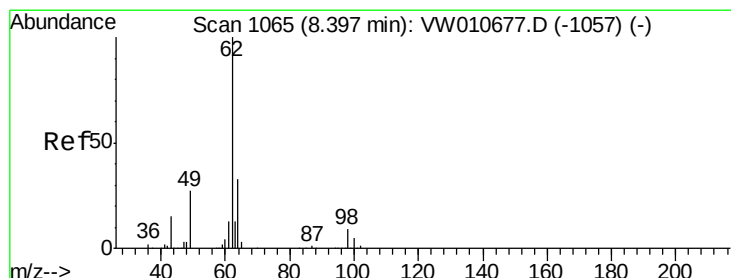
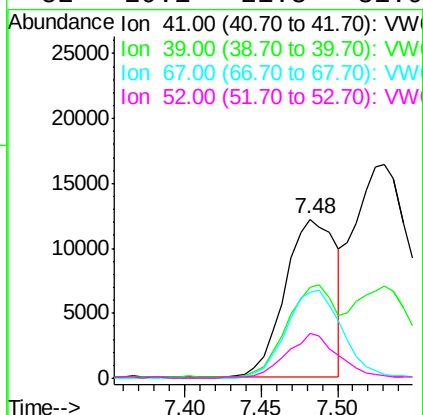
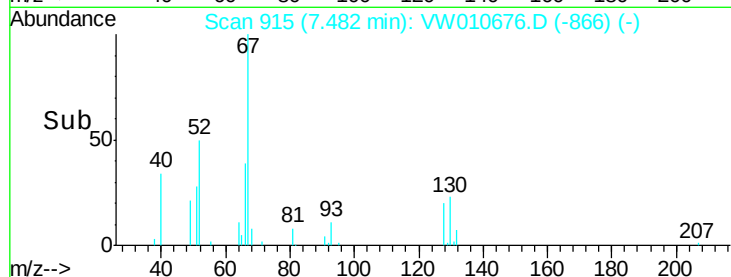
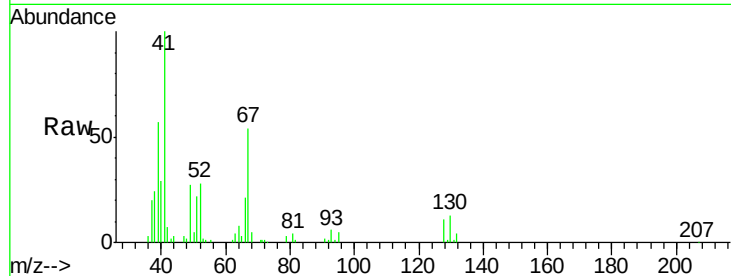
#41
Methacrylonitrile
Concen: 19.140 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	47.3	70.9	
67	62.0	47.2	70.8	
52	29.1	21.3	31.9	

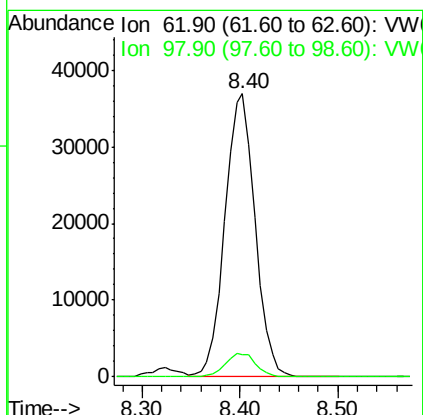
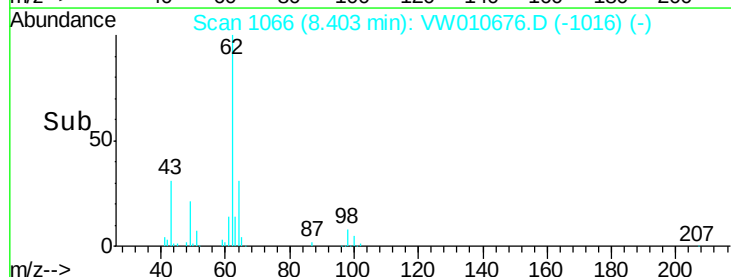
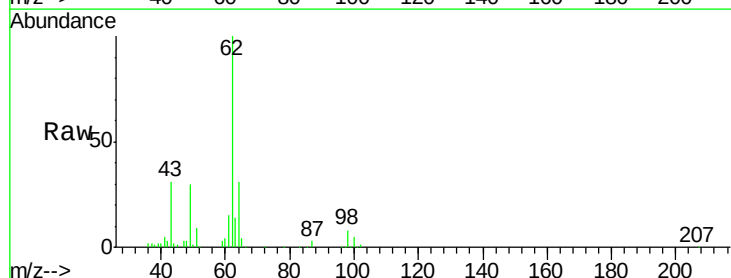
Manual Integrations
APPROVED

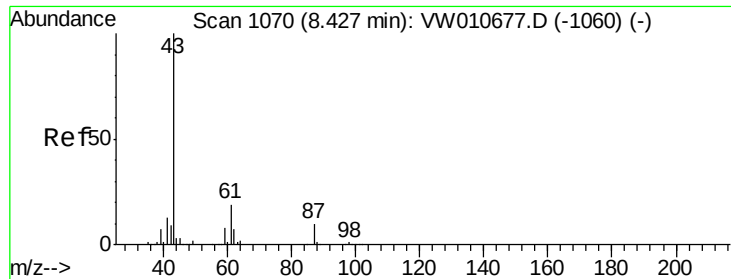
MMDadoda
6/5/2019 3:04:58 PM



#42
1,2-Dichloroethane
Concen: 20.303 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.2	





#43

Isopropyl Acetate

Concen: 20.512 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

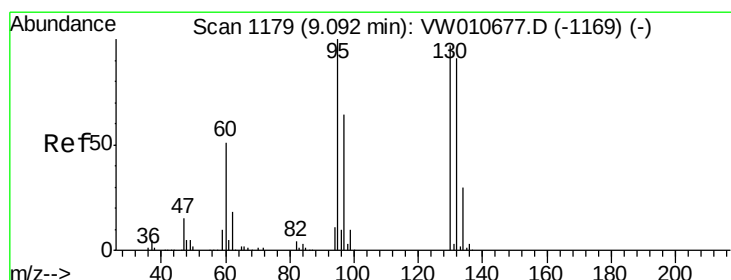
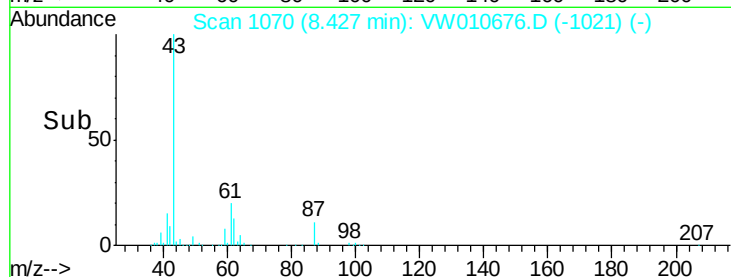
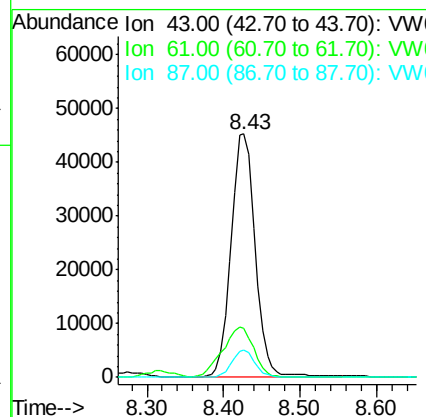
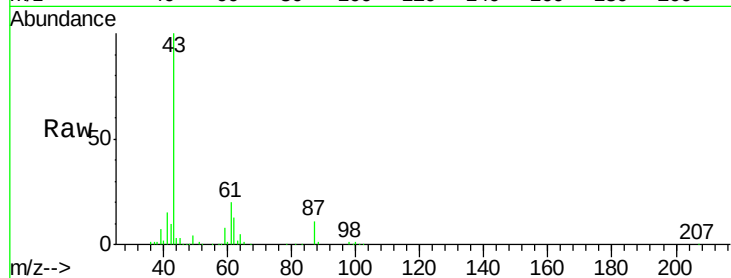
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	98562
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.2	31.8
87	10.7	8.3	12.5

Manual Integrations
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#44

Trichloroethene

Concen: 20.148 ug/l

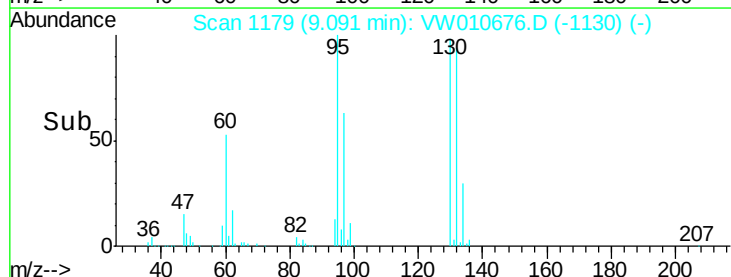
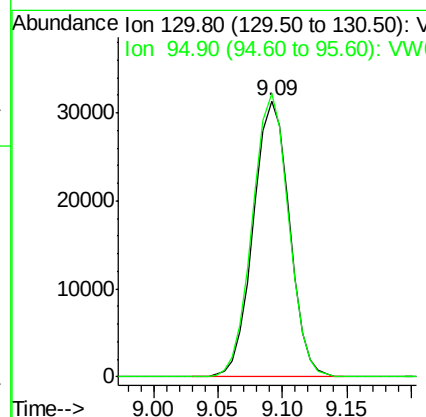
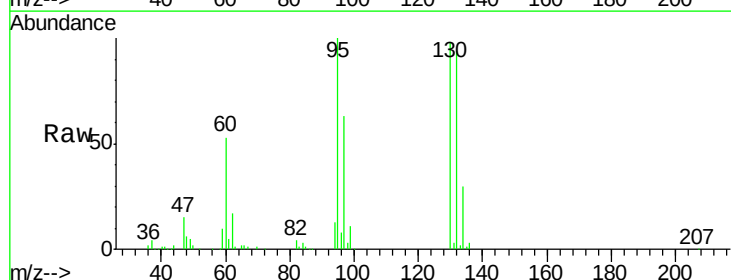
RT: 9.09 min Scan# 1179

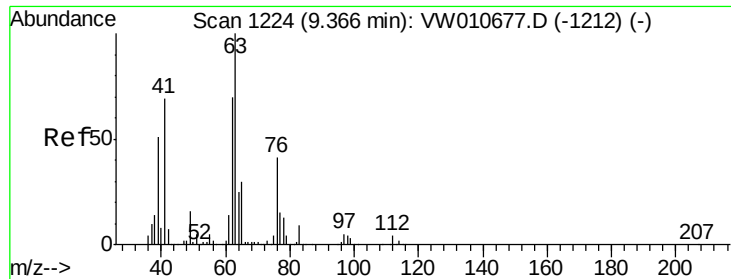
Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion:	130	Resp:	60857
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	207.0





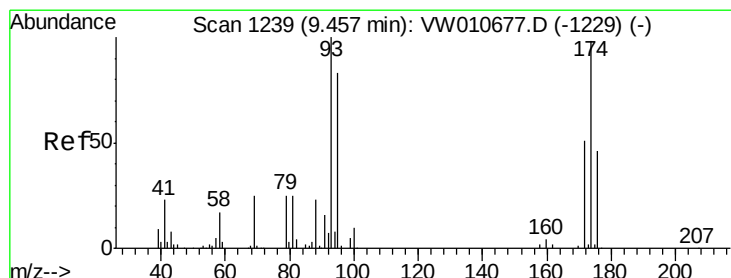
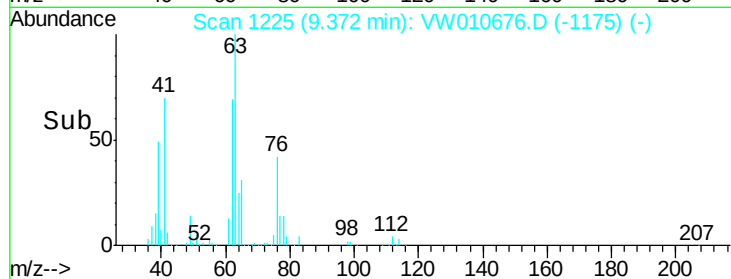
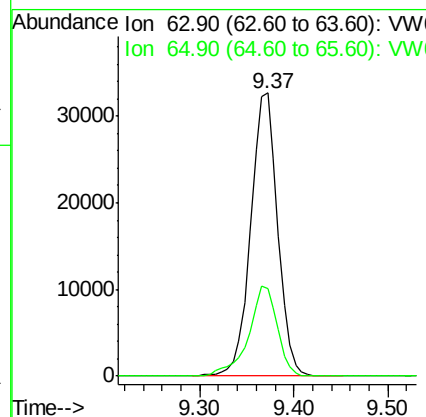
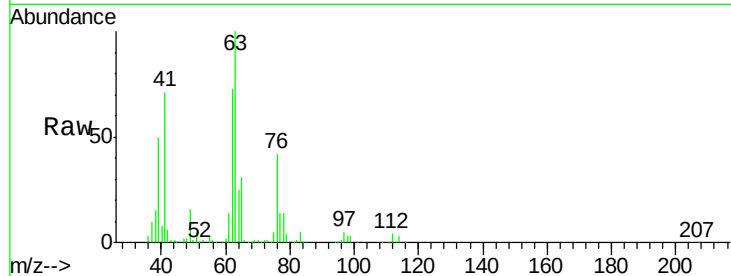
#45
 1,2-Dichloropropane
 Concen: 20.268 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	23.8	35.6

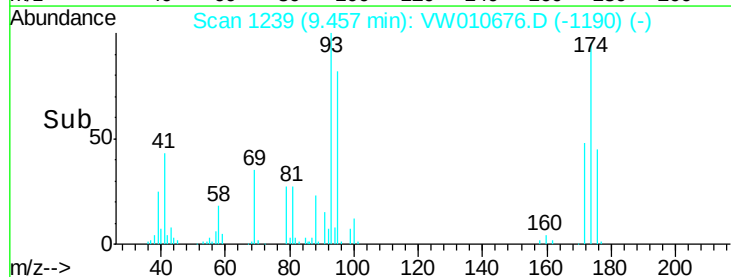
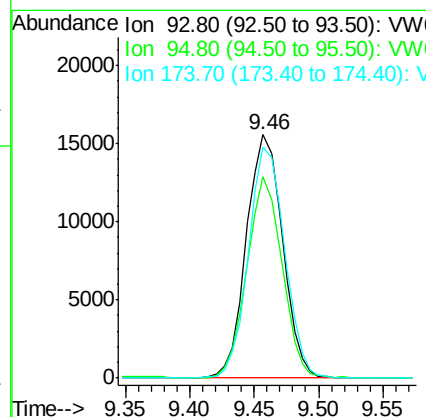
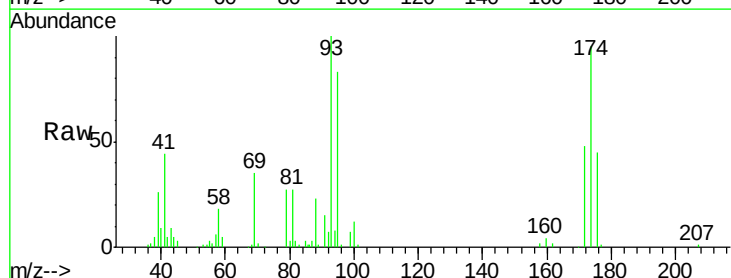
Manual Integrations
 APPROVED

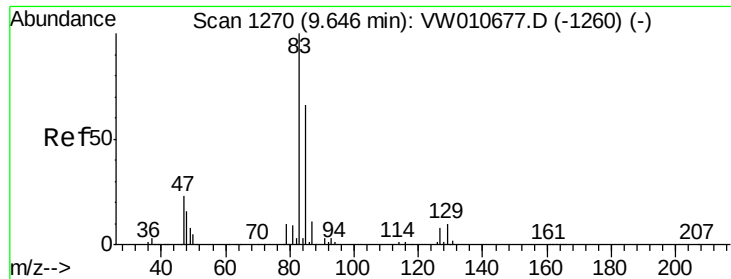
MMDadoda
 6/5/2019 3:04:58 PM



#46
 Dibromomethane
 Concen: 20.146 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.4	65.8	98.8
174	94.8	77.4	116.0





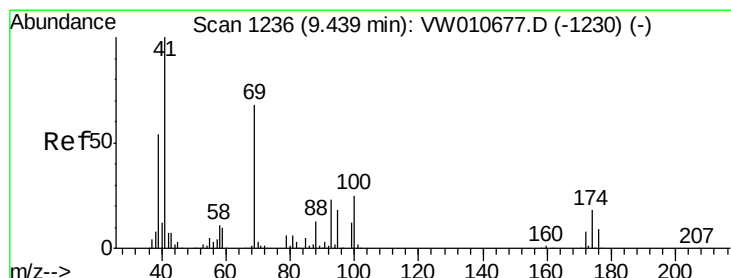
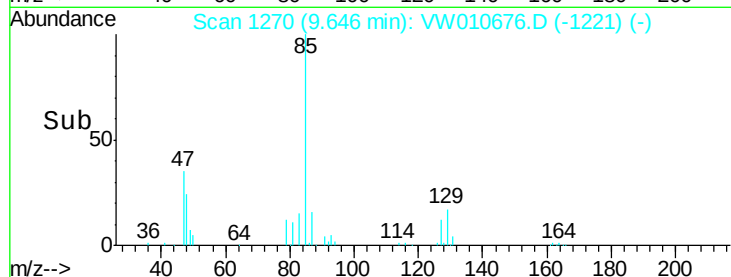
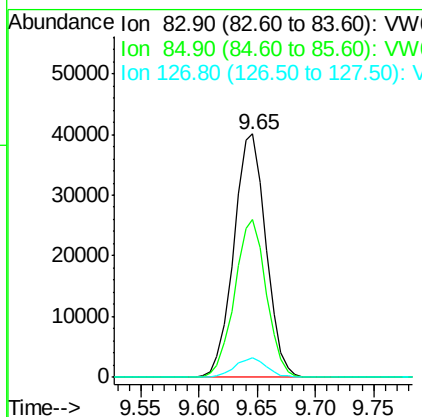
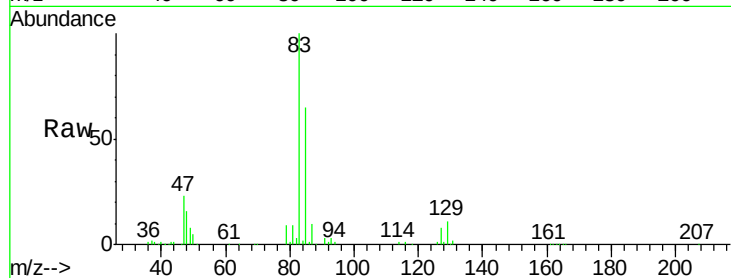
#47
Bromodichloromethane
Concen: 19.764 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	77128
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	53.0	79.4
127	7.8	6.4	9.6

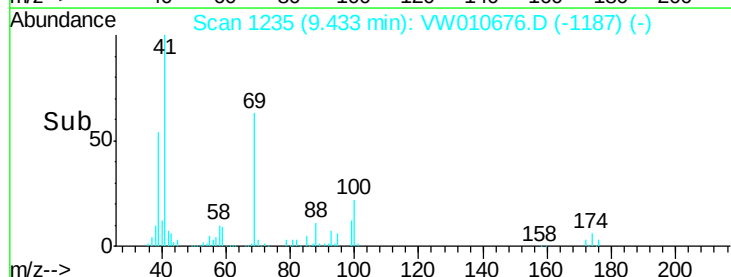
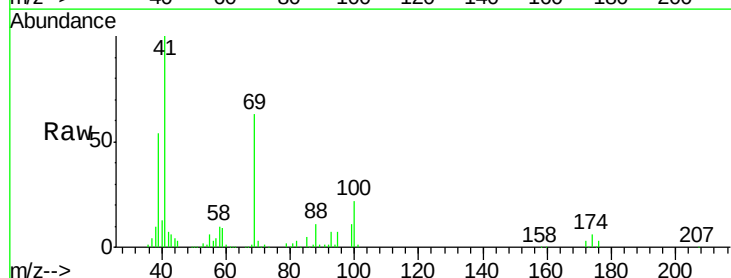
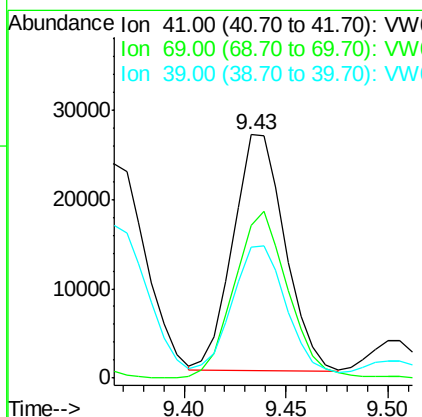
Manual Integrations
APPROVED

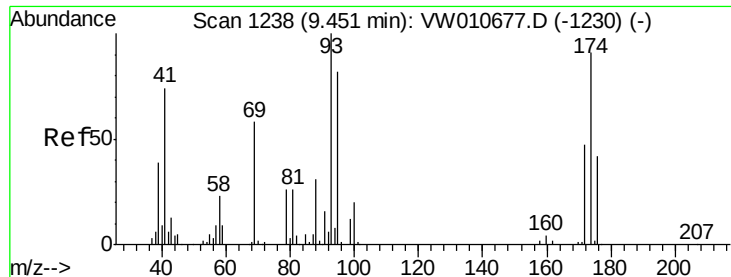
MMDadoda
6/5/2019 3:04:58 PM



#48
Methyl methacrylate
Concen: 20.169 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	41	Resp	46728
Ion Ratio	100	Lower	Upper
41	100		
69	72.9	56.6	85.0
39	54.9	44.4	66.6





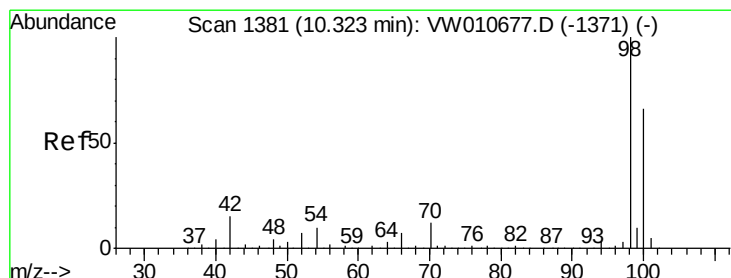
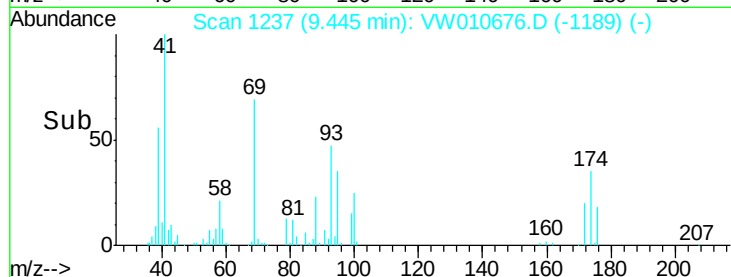
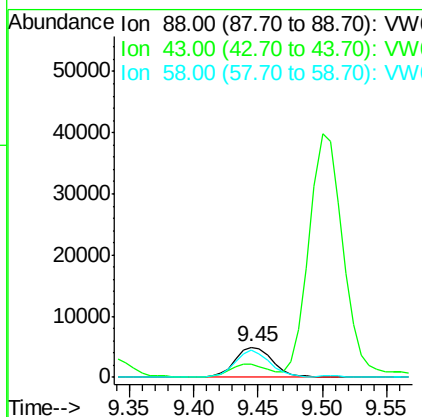
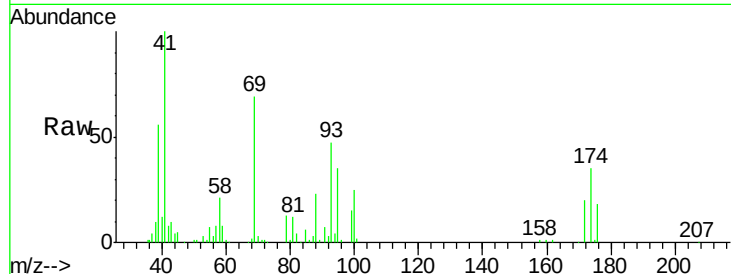
#49
1,4-Dioxane
Concen: 427.057 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	88	Resp	10052
Ion	Ratio	Lower	Upper
88	100		
43	42.5	34.2	51.4
58	85.3	69.0	103.4

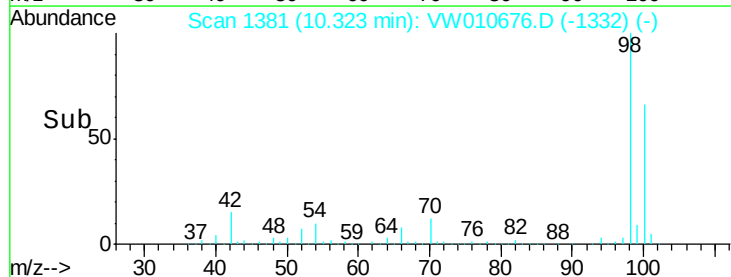
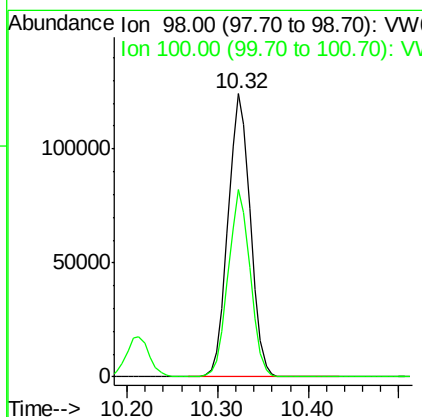
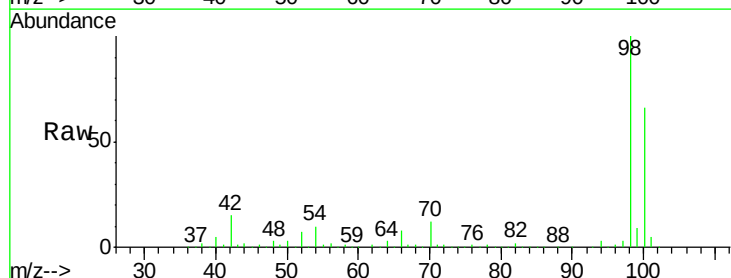
Manual Integrations
APPROVED

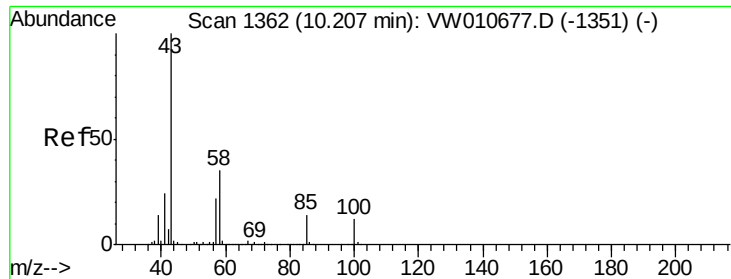
MMDadoda
6/5/2019 3:04:58 PM



#50
Toluene-d8
Concen: 20.296 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	98	Resp	211826
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.6





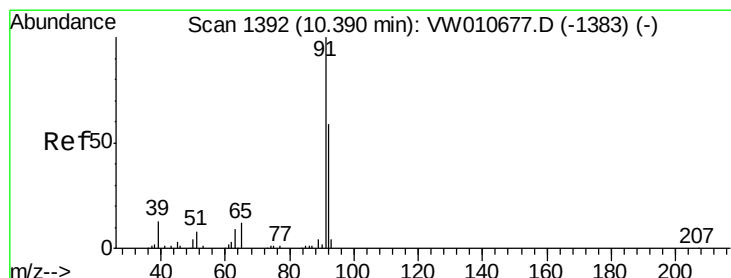
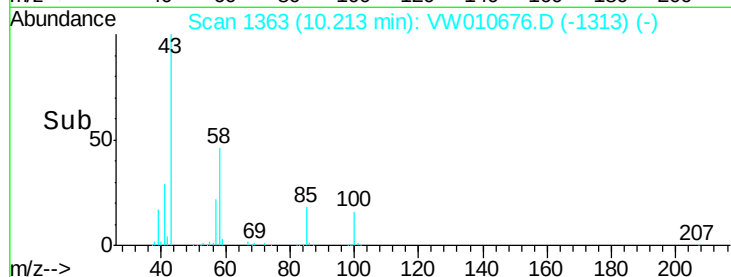
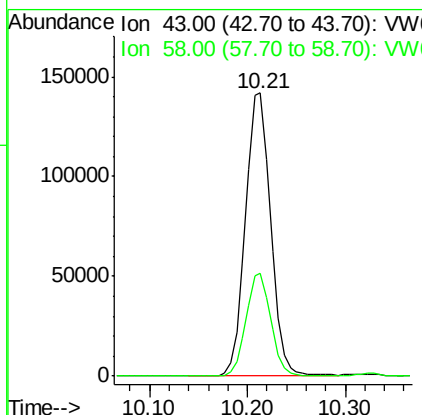
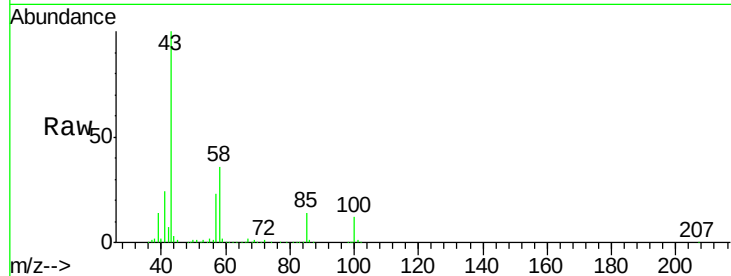
#51
4-Methyl-2-Pentanone
Concen: 103.594 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 254303
Ion Ratio Lower Upper
43 100
58 35.6 28.4 42.6

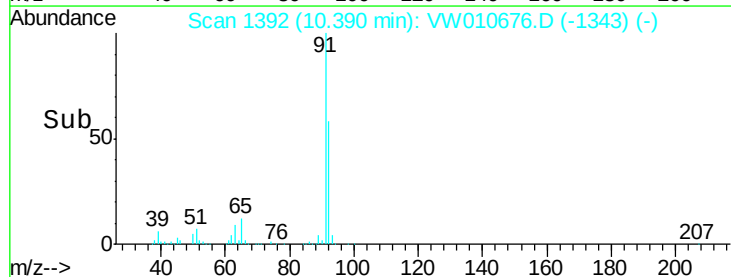
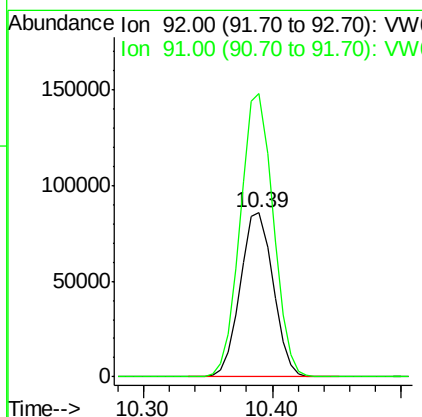
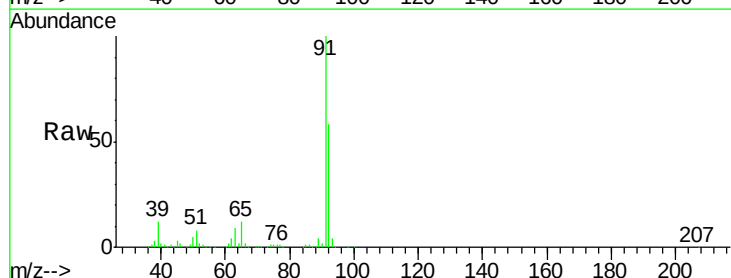
Manual Integrations
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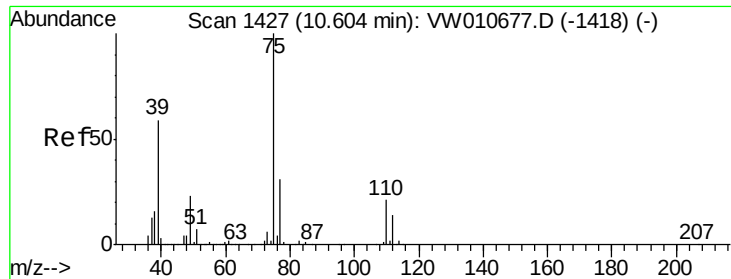
MMDadoda
6/5/2019 3:04:58 PM



#52
Toluene
Concen: 20.202 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 92 Resp: 152195
Ion Ratio Lower Upper
92 100
91 172.8 134.9 202.3





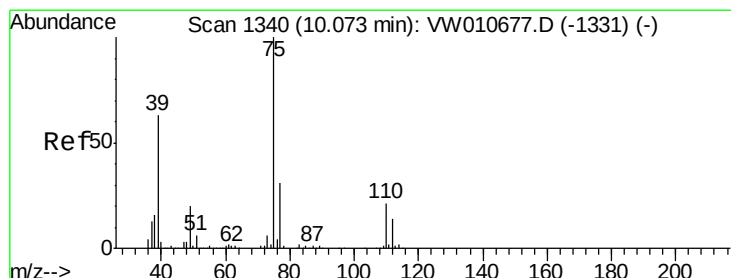
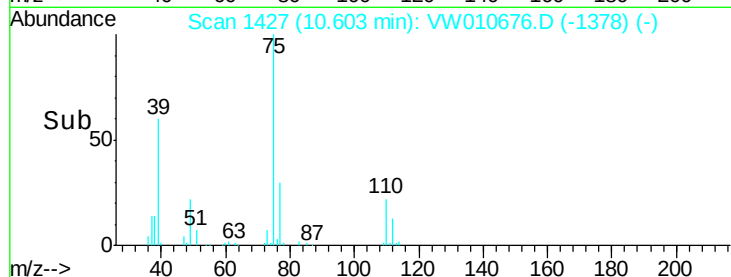
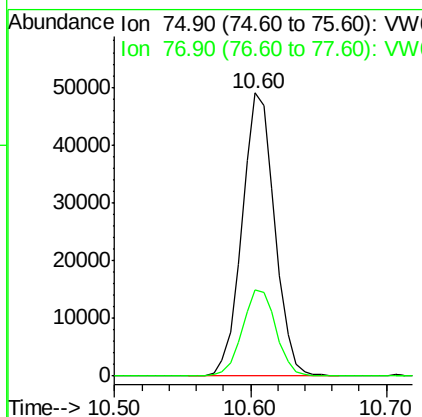
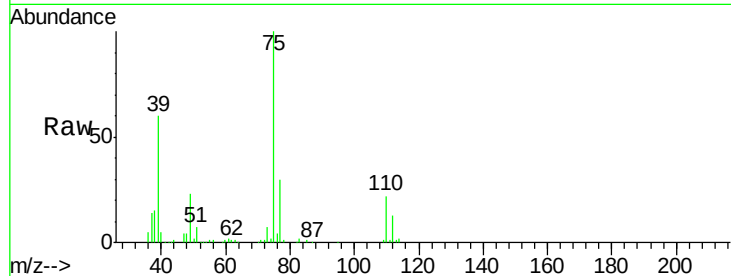
#53
 t-1,3-Dichloropropene
 Concen: 19.809 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	36.8

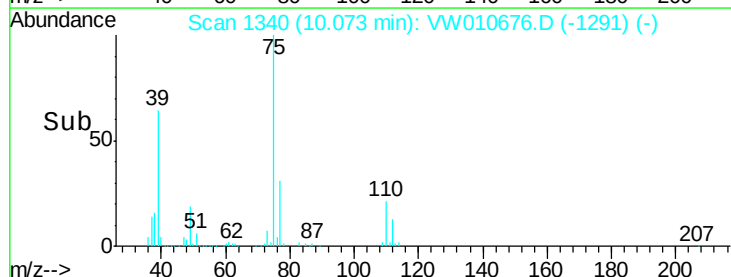
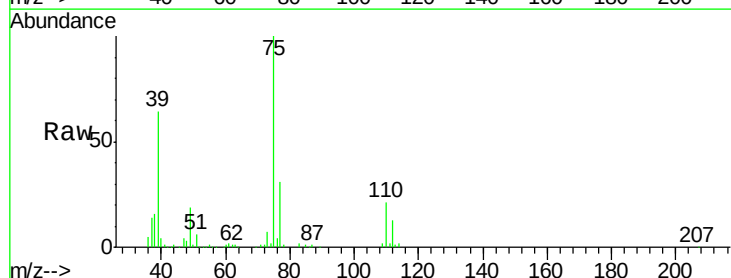
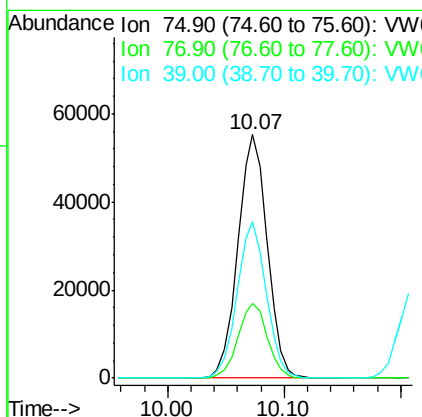
Manual Integrations
 APPROVED

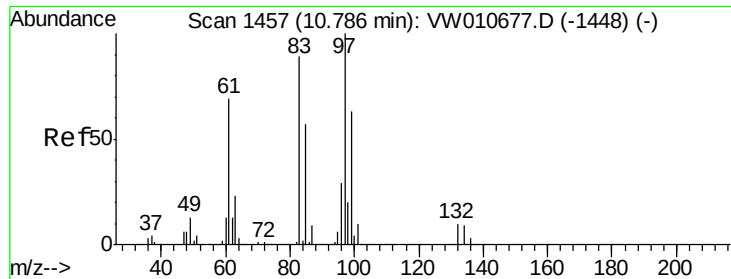
MMDadoda
 6/5/2019 3:04:58 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.968 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.2	37.8
39	63.8	50.1	75.1





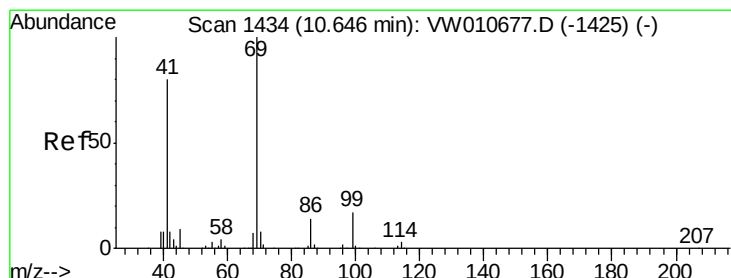
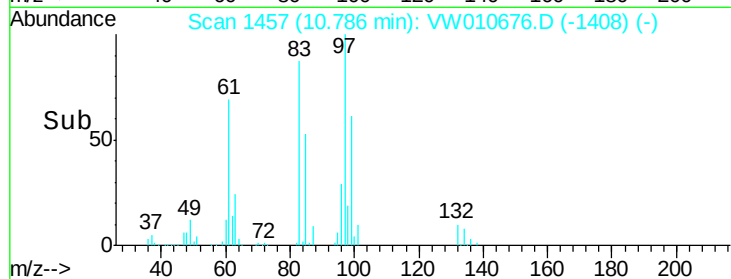
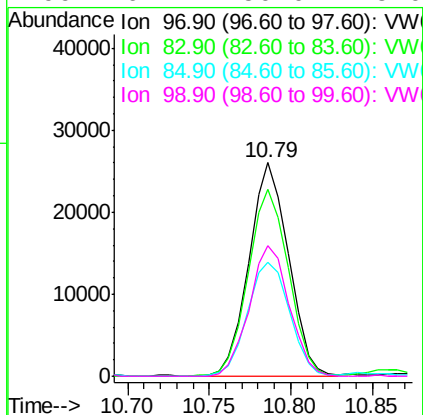
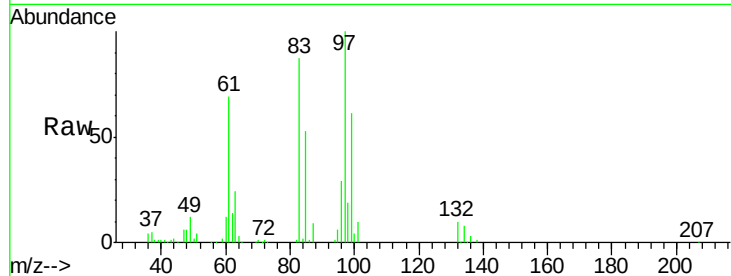
#55
 1,1,2-Trichloroethane
 Concen: 20.271 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	43964
Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.1	106.7
85	53.4	45.2	67.8
99	61.2	50.0	75.0

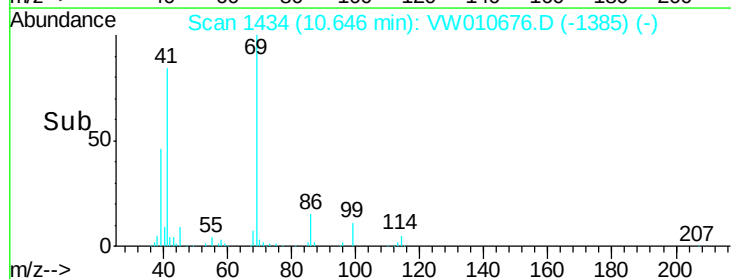
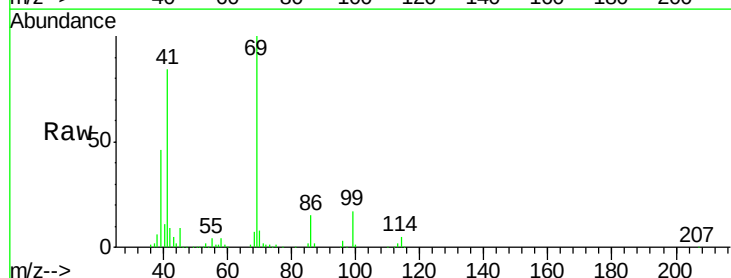
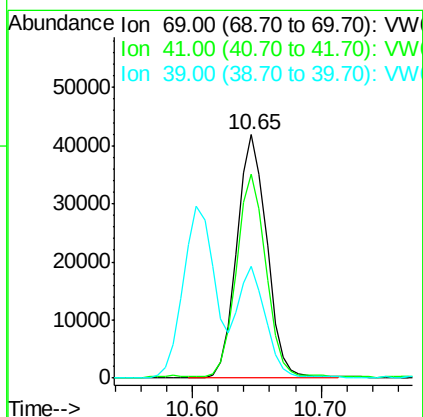
Manual Integrations
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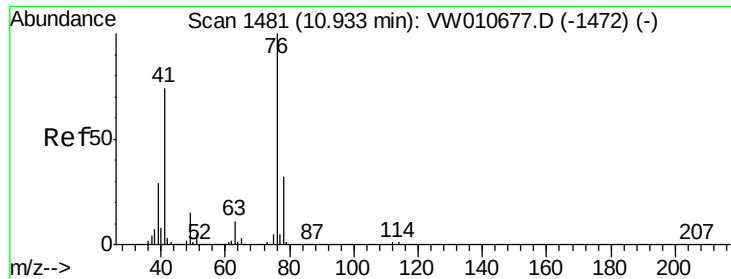
MMDadoda
 6/5/2019 3:04:58 PM



#56
 Ethyl methacrylate
 Concen: 20.315 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion:	69	Resp:	67797
Ion	Ratio	Lower	Upper
69	100		
41	81.7	64.8	97.2
39	42.1	32.2	48.2





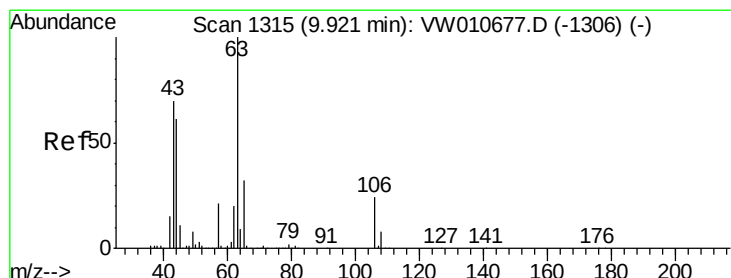
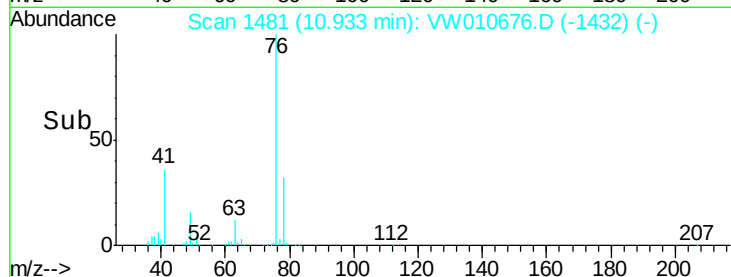
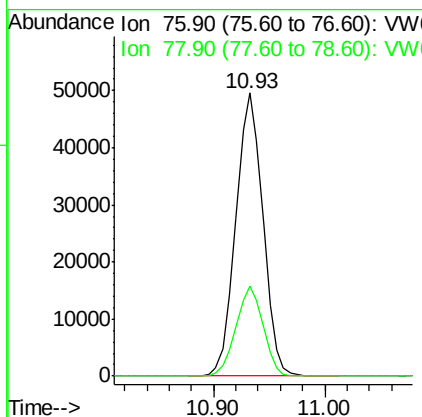
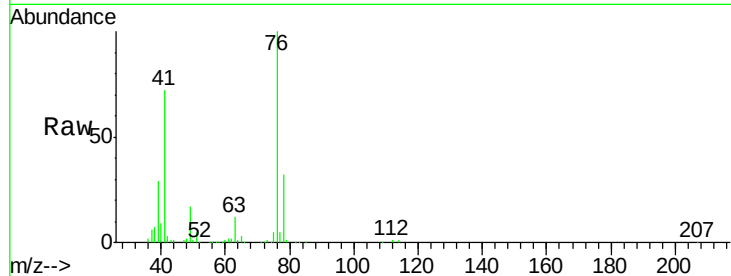
#57
 1,3-Dichloropropane
 Concen: 20.436 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 83529
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

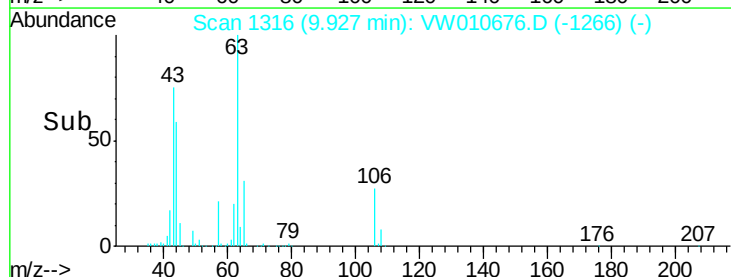
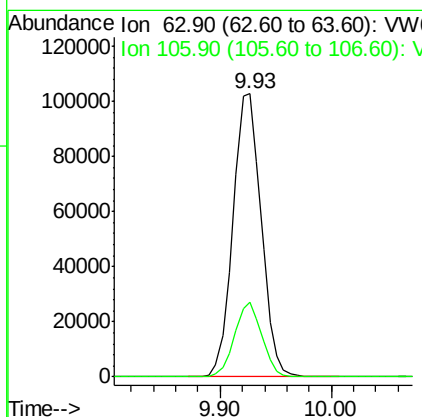
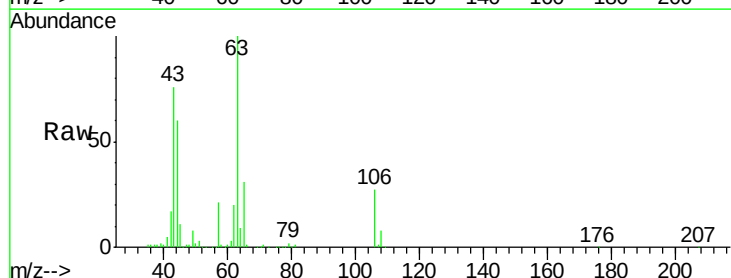
Manual Integrations
 APPROVED

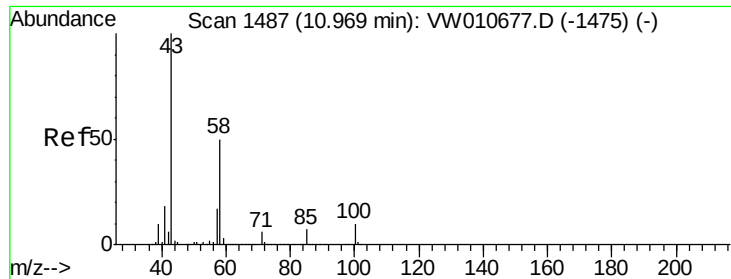
MMDadoda
 6/5/2019 3:04:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.208 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion: 63 Resp: 180405
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.1 30.1





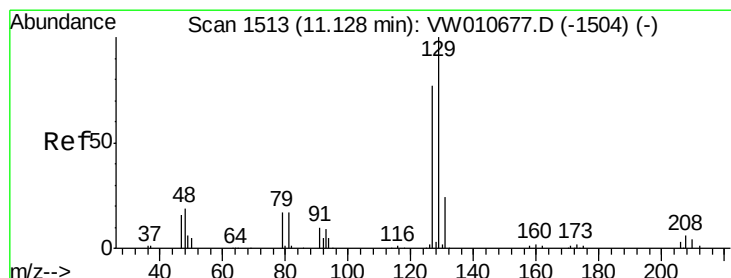
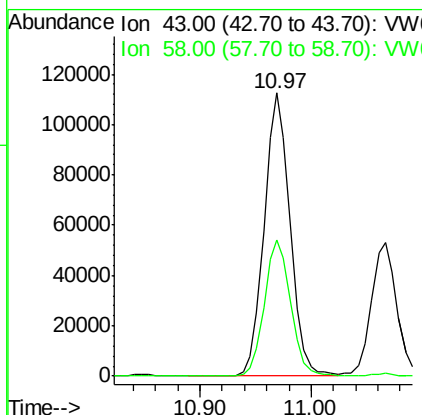
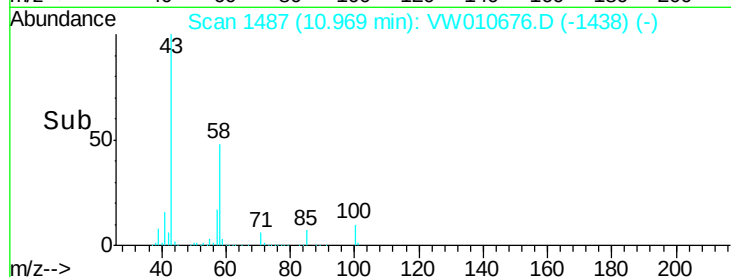
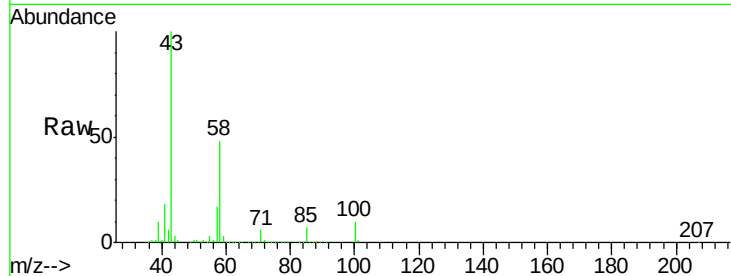
#59
2-Hexanone
Concen: 102.732 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 182261
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.6

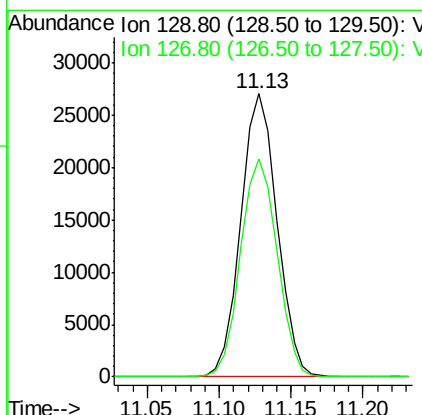
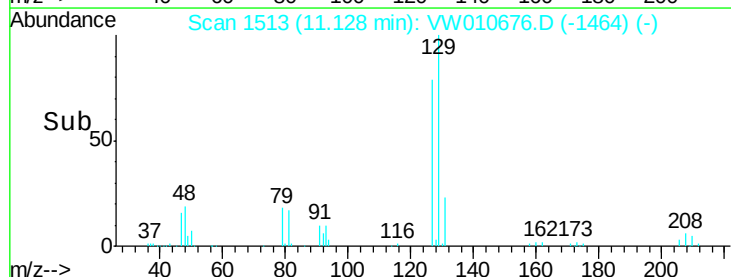
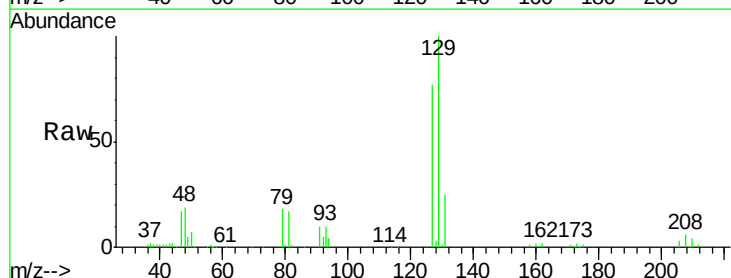
Manual Integrations
APPROVED

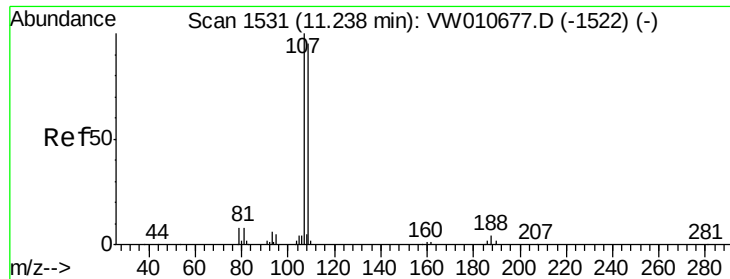
MMDadoda
6/5/2019 3:04:58 PM



#60
Dibromochloromethane
Concen: 19.620 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 129 Resp: 47170
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





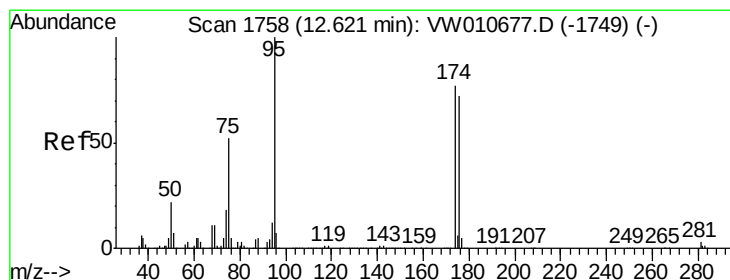
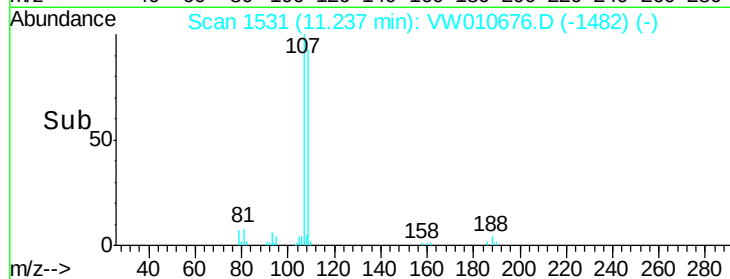
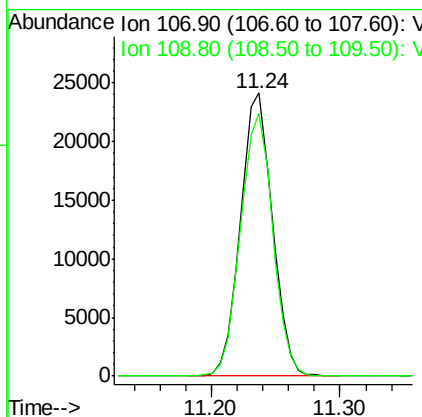
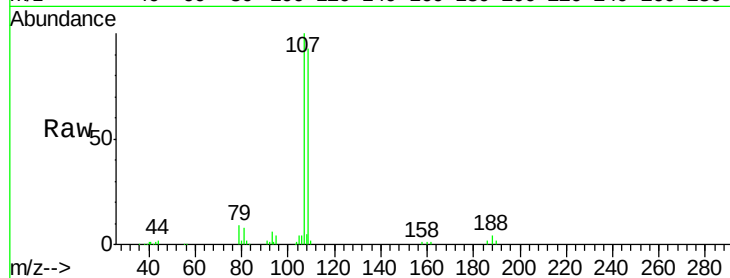
#61
 1,2-Dibromoethane
 Concen: 20.122 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.8

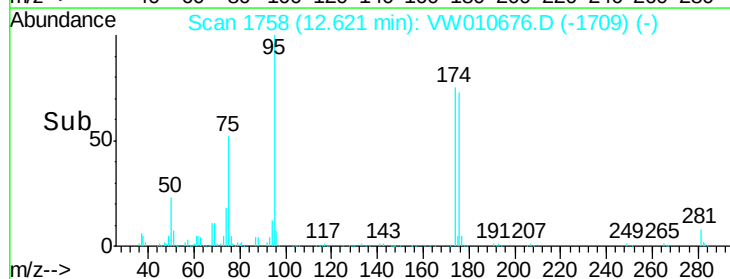
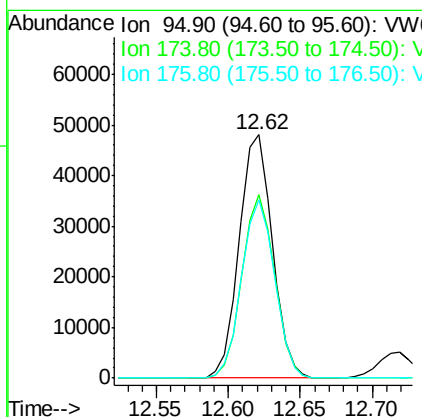
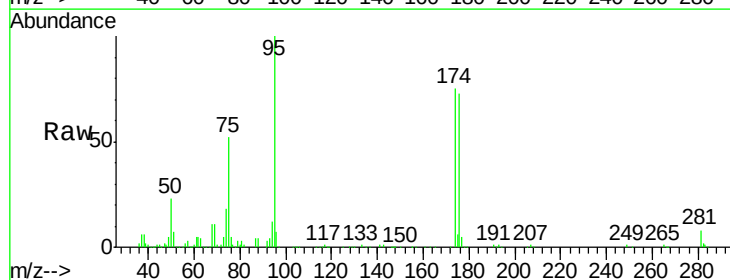
Manual Integrations
 APPROVED

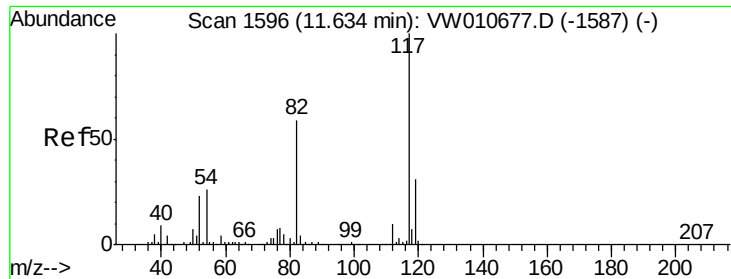
MMDadoda
 6/5/2019 3:04:58 PM



#62
 4-Bromofluorobenzene
 Concen: 20.317 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	150.4
176	72.6	0.0	144.8





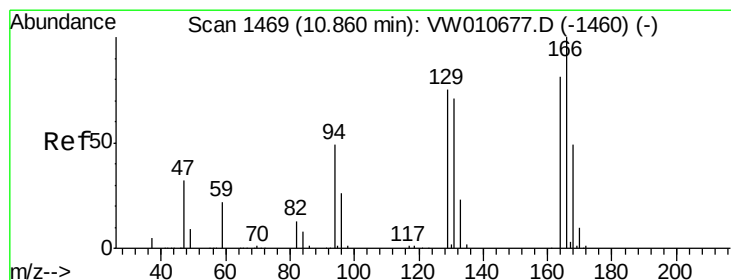
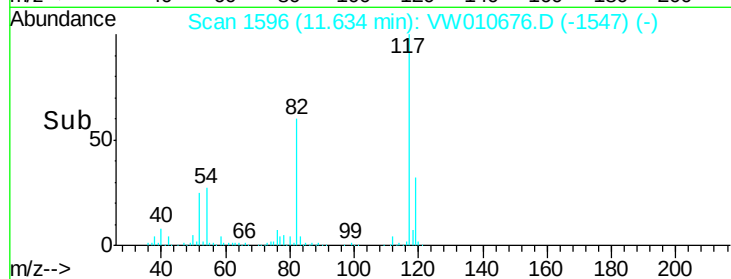
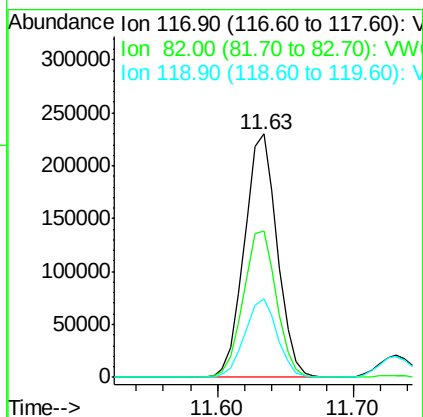
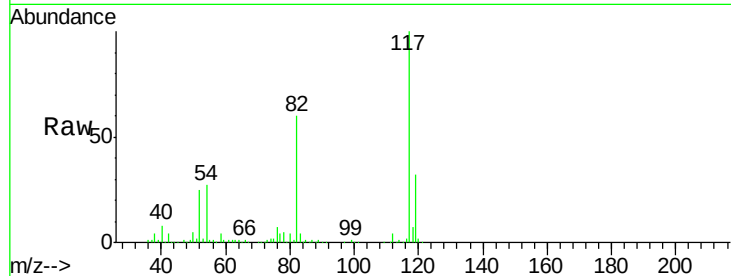
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	388196		
82	59.9	47.0	70.4	
119	32.3	25.1	37.7	

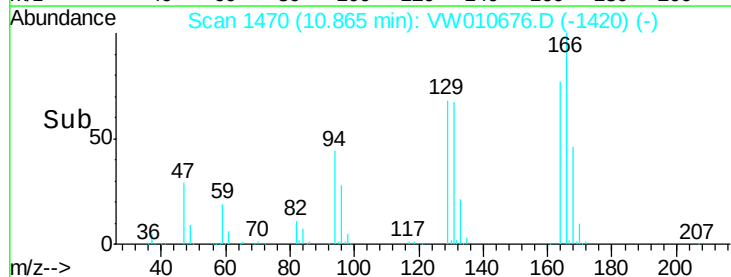
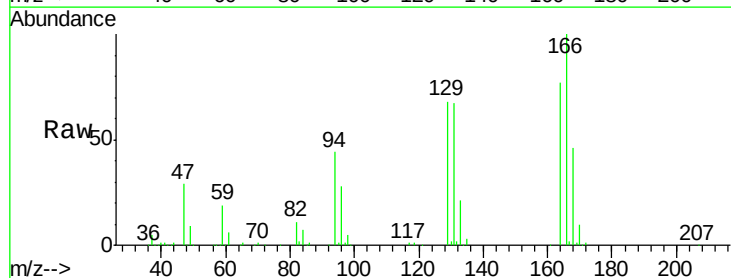
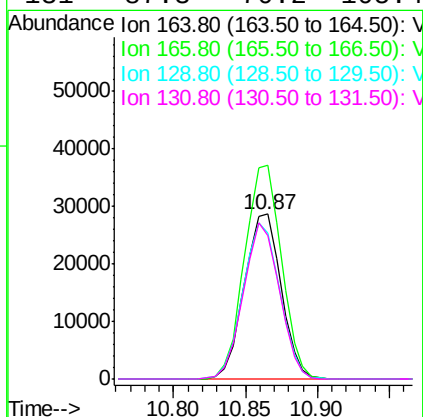
Manual Integrations
APPROVED

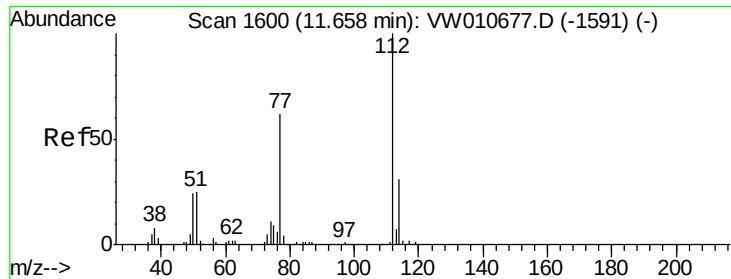
MMDadoda
6/5/2019 3:04:58 PM



#64
Tetrachloroethene
Concen: 19.712 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50807		
166	129.4	99.2	148.8	
129	88.5	74.6	112.0	
131	87.3	70.2	105.4	





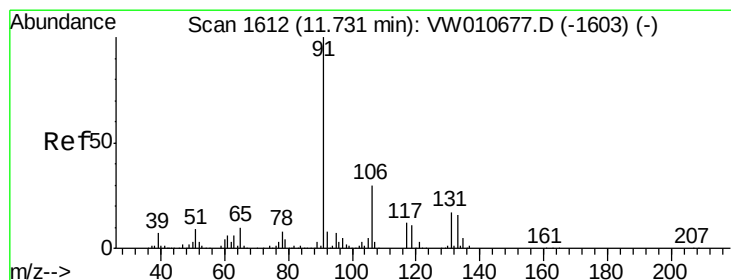
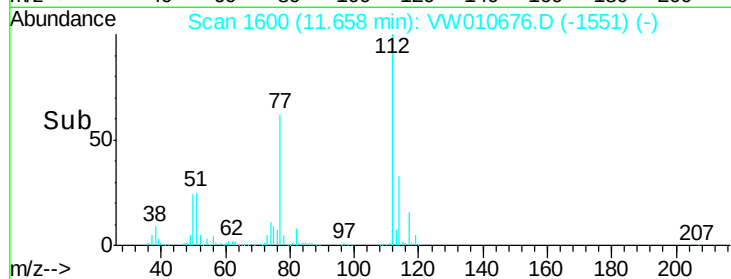
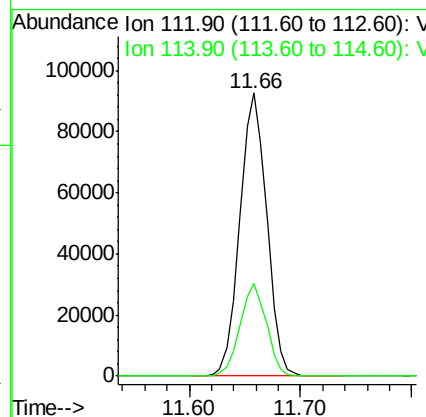
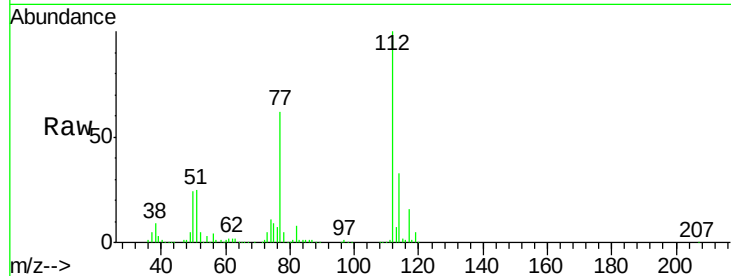
#65
Chlorobenzene
Concen: 20.238 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	24.8	37.2

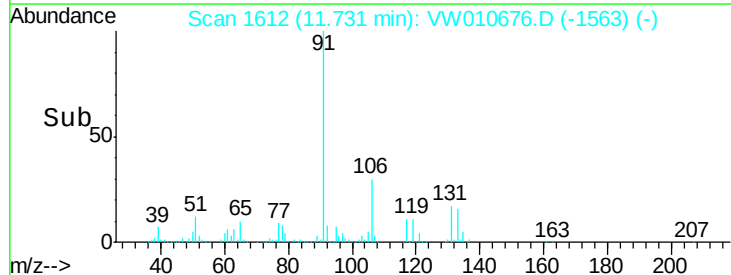
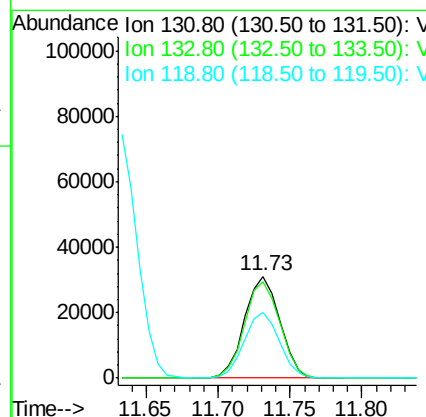
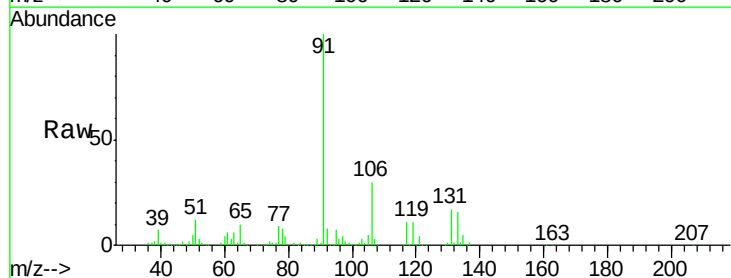
Manual Integrations
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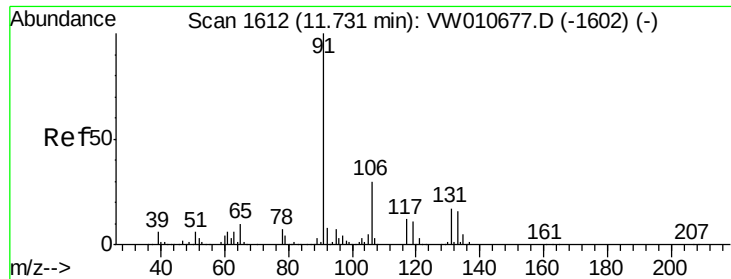
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.917 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.9
119	64.4	32.4	97.0





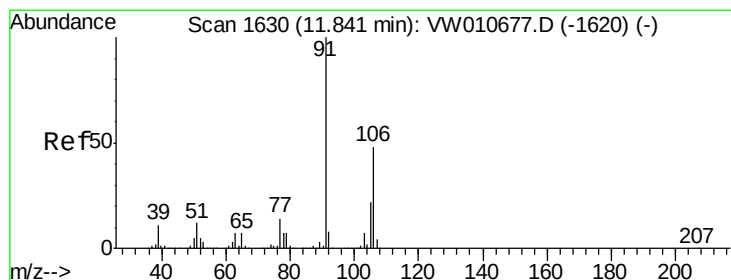
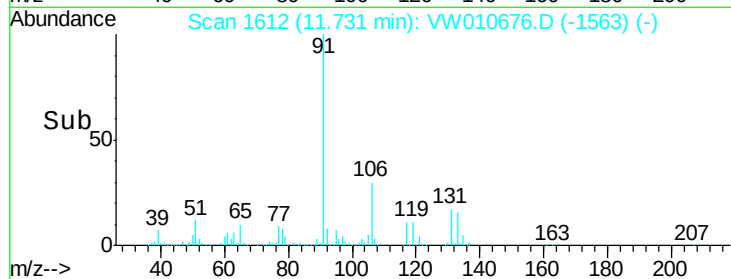
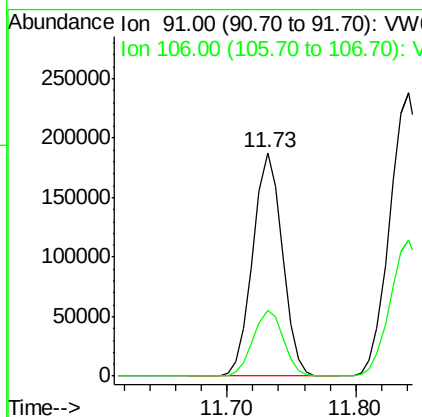
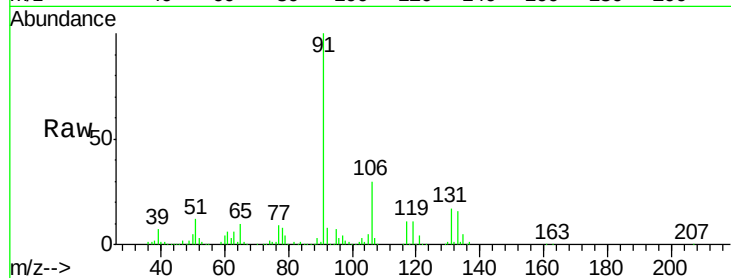
#67
Ethyl Benzene
Concen: 20.239 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 296930
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.4

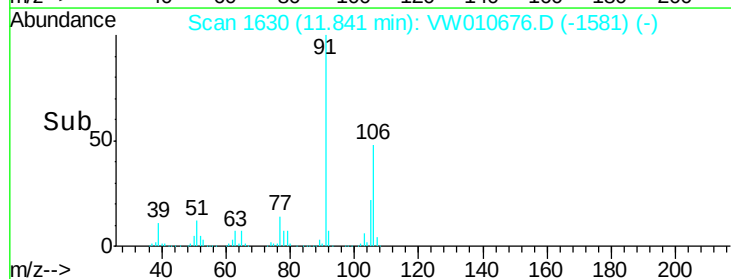
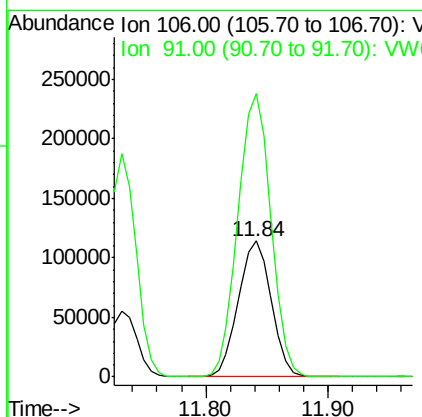
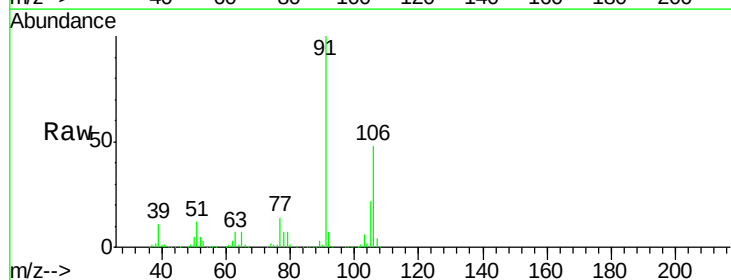
Manual Integrations
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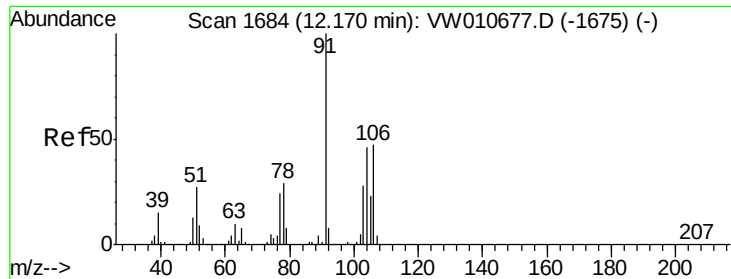
MMDadoda
6/5/2019 3:04:58 PM



#68
m/p-Xylenes
Concen: 40.640 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 106 Resp: 213433
Ion Ratio Lower Upper
106 100
91 209.0 166.5 249.7





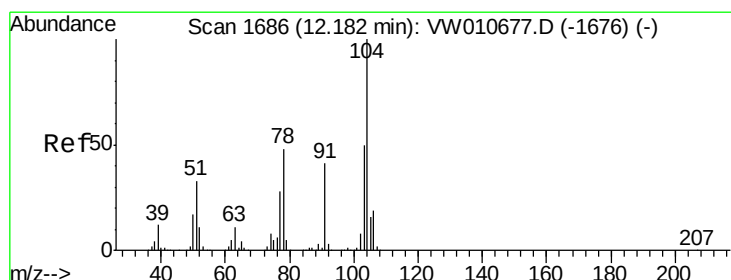
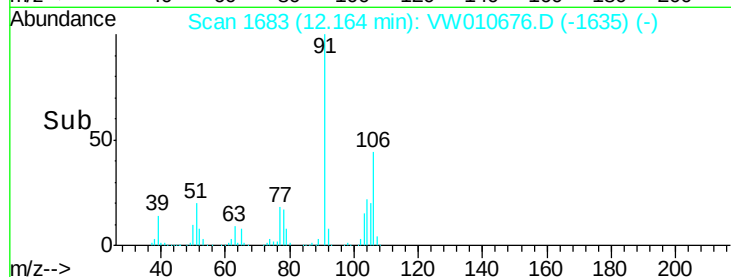
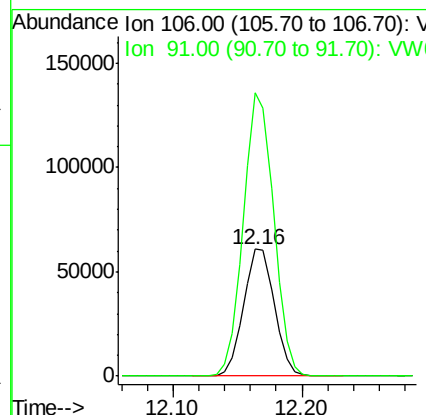
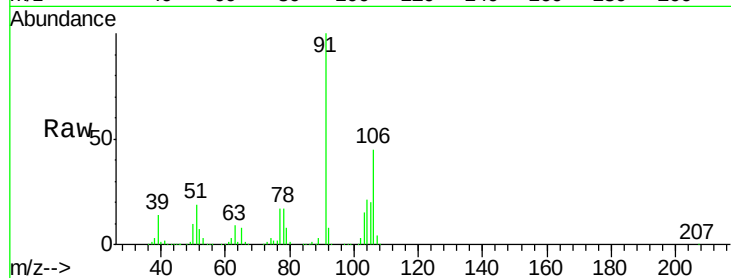
#69
o-Xylene
Concen: 20.276 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.1	108.9	326.6

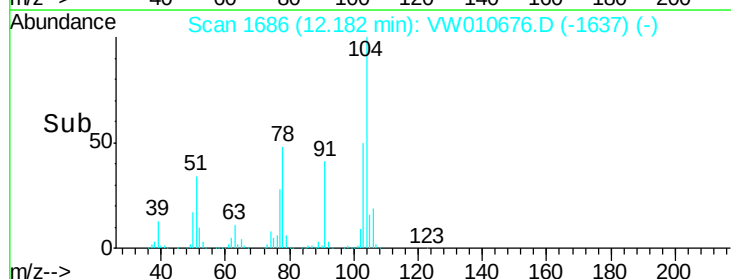
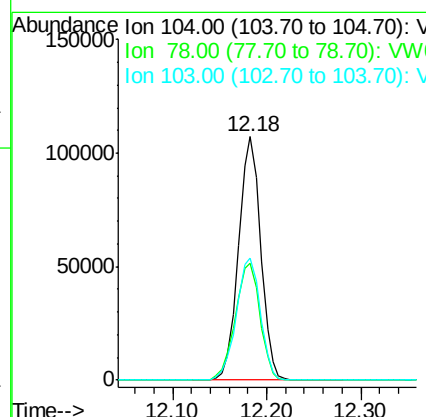
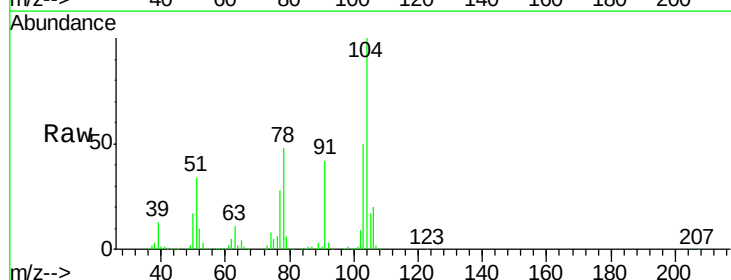
Manual Integrations
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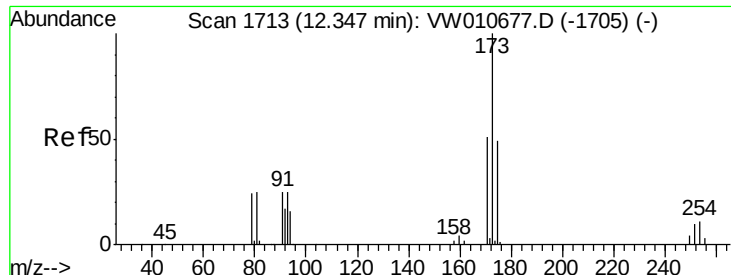
MMDadoda
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#70
Styrene
Concen: 20.288 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.7	64.1
103	54.5	43.6	65.4





#71

Bromoform

Concen: 19.808 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 27072

Ion Ratio Lower Upper

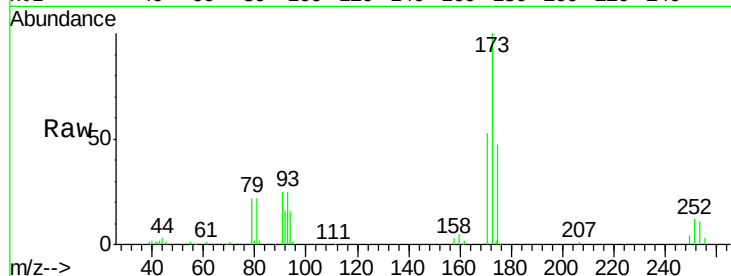
173 100

175 48.3 24.3 72.8

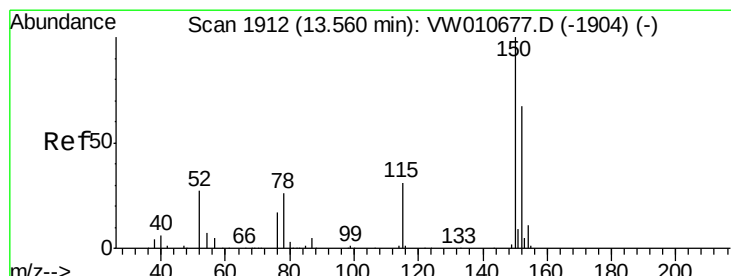
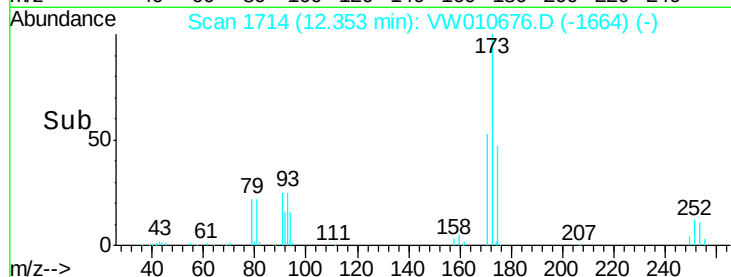
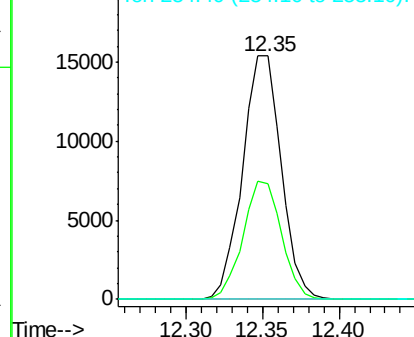
254 0.0 0.1 0.1#

Manual Integrations
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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: VW010676.D

Acq: 04 Jun 2019 15:14

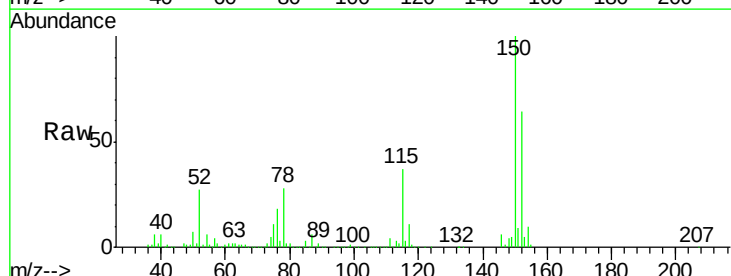
Tgt Ion:152 Resp: 187875

Ion Ratio Lower Upper

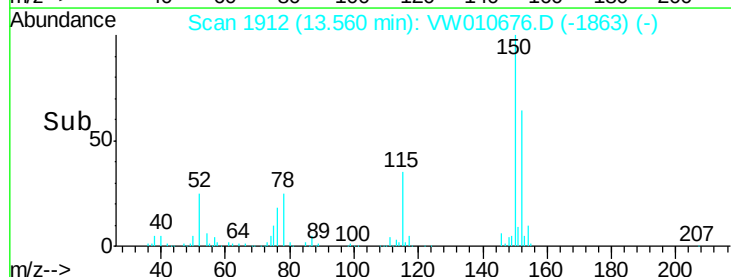
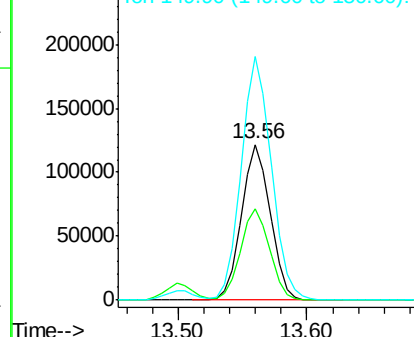
152 100

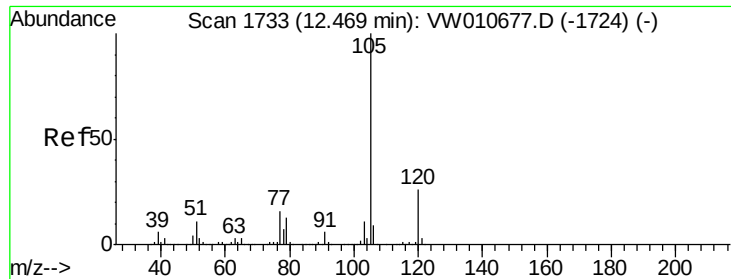
115 59.6 29.8 89.3

150 164.1 0.0 345.0



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





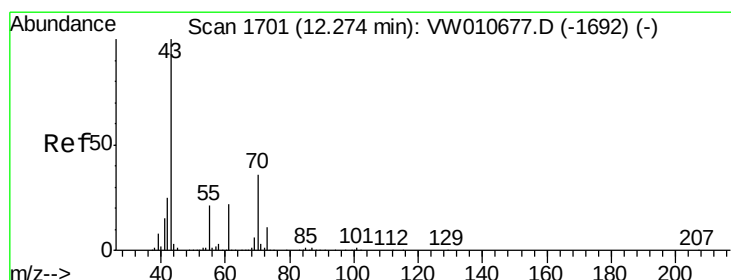
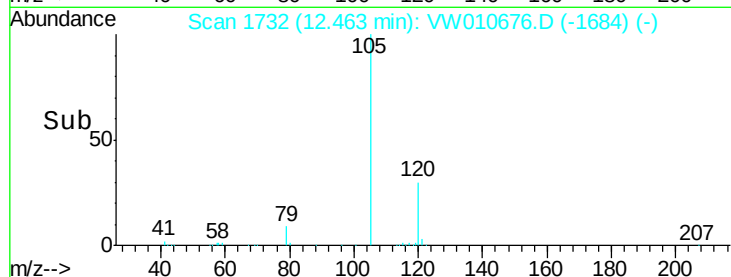
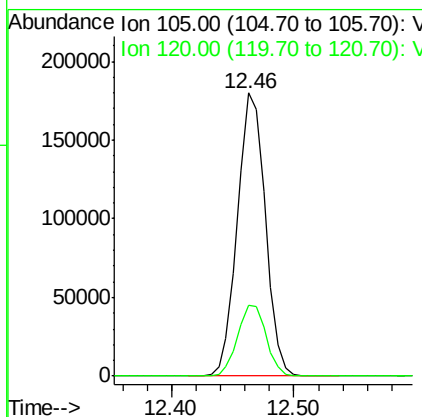
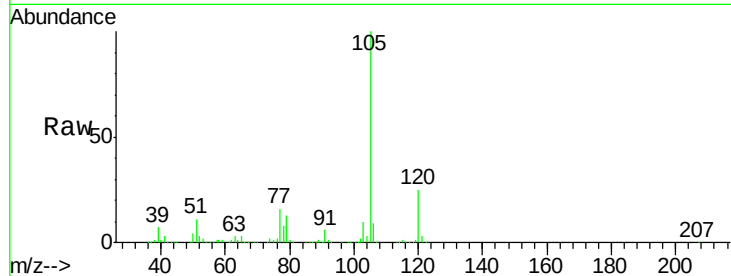
#73
Isopropylbenzene
Concen: 20.160 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.1

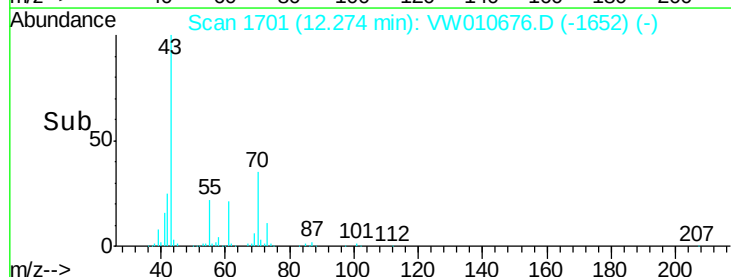
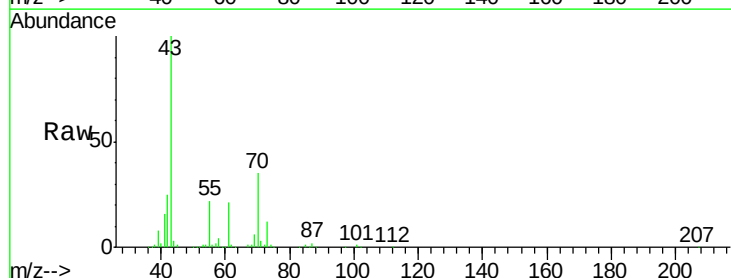
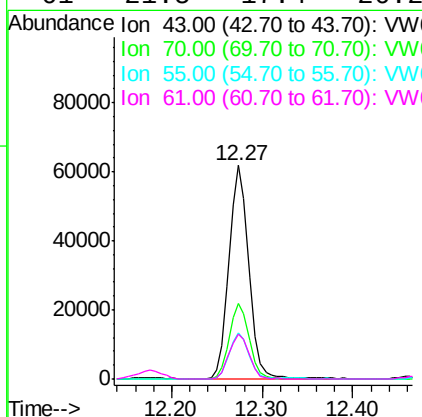
Manual Integrations
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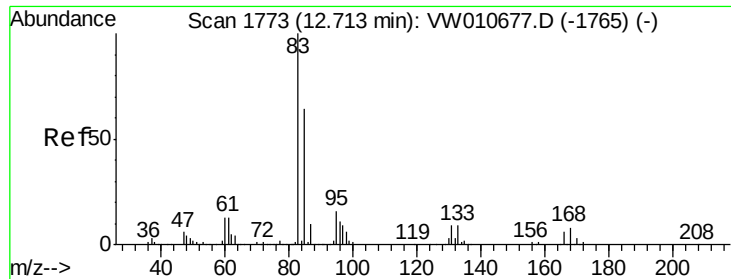
MMDadoda
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#74
N-ethyl acetate
Concen: 20.578 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.1	29.2	43.8
55	21.8	17.5	26.3
61	21.5	17.4	26.2





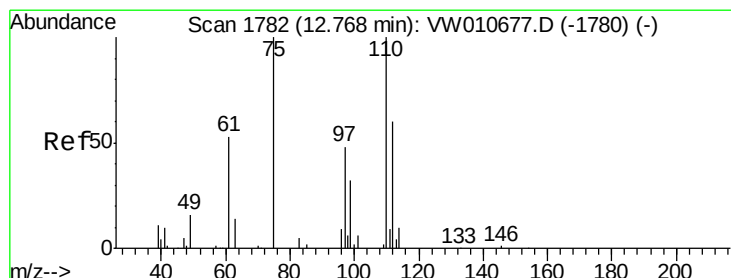
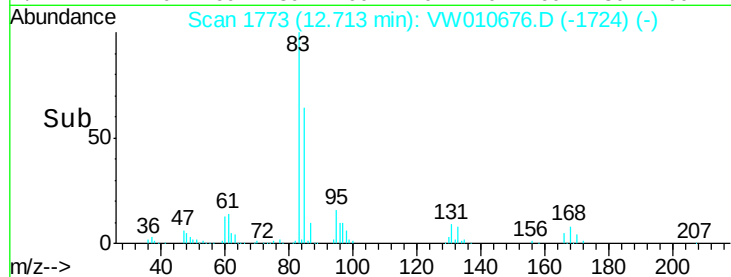
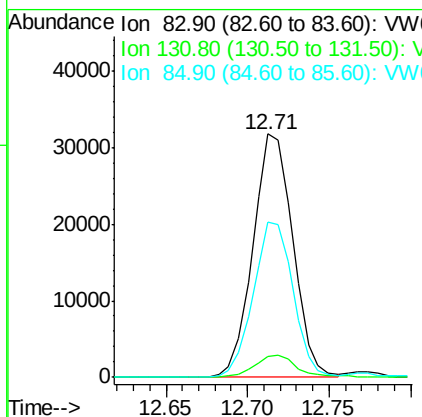
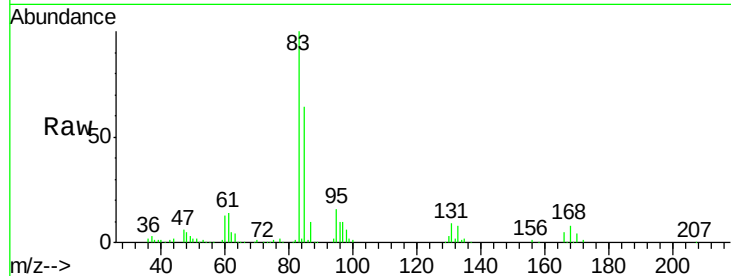
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.059 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	83	Resp	53912
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	63.7	31.9	95.9

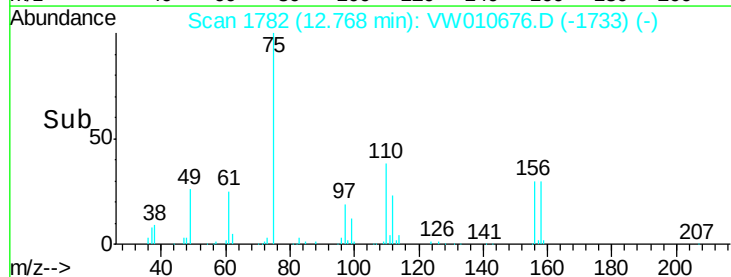
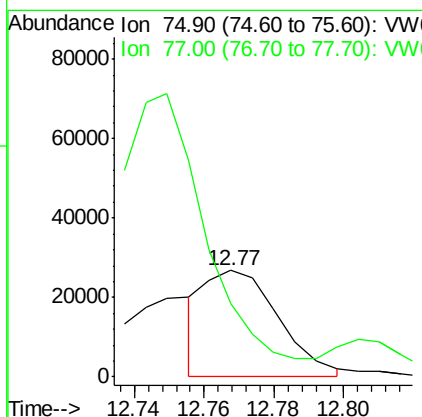
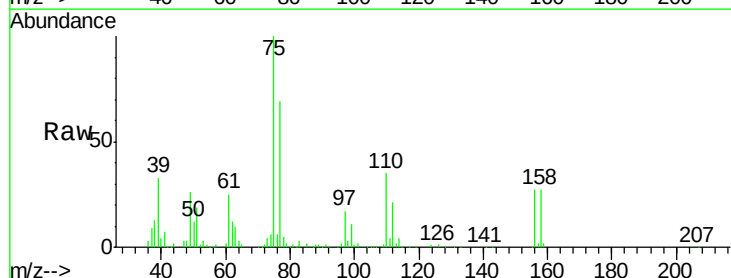
Manual Integrations
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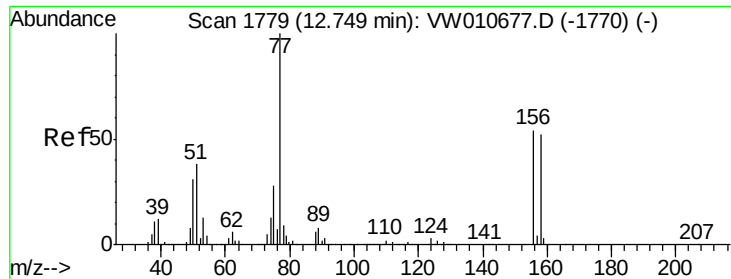
MMDadoda
 6/5/2019 3:04:58 PM



#76
 1,2,3-Trichloropropane
 Concen: 14.707 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	75	Resp	39584
Ion Ratio	100	Lower	Upper
75	100		
77	334.3	0.0	0.0#





#77

Bromobenzene

Concen: 20.026 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

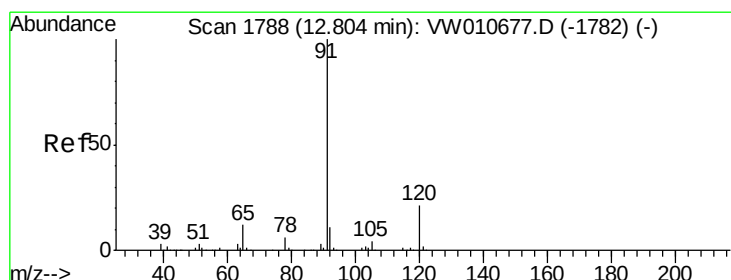
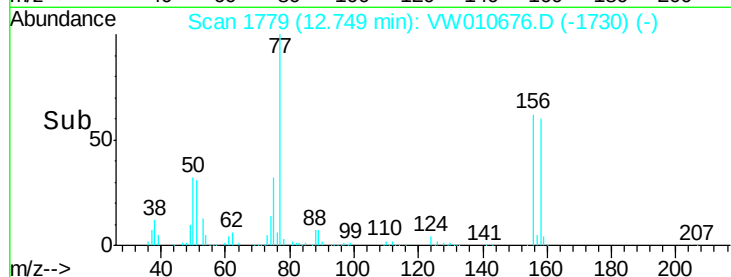
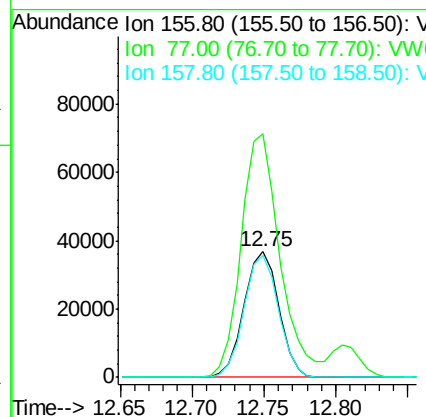
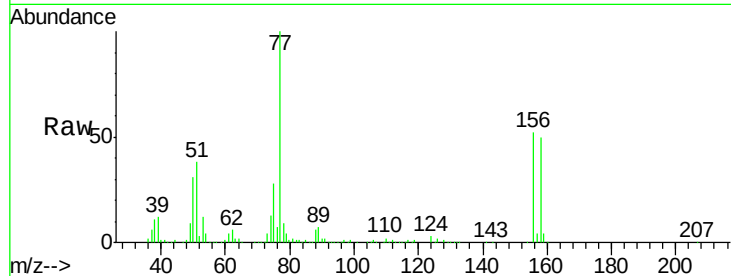
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	214.4	106.5	319.4
158	96.2	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.101 ug/l

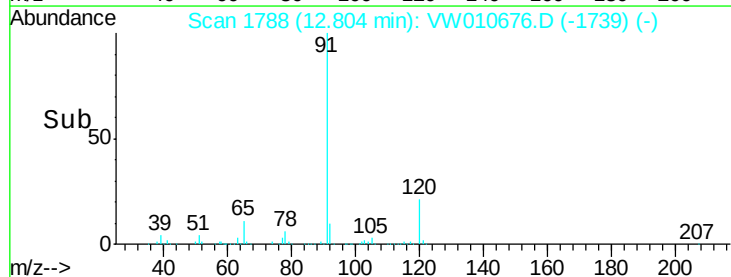
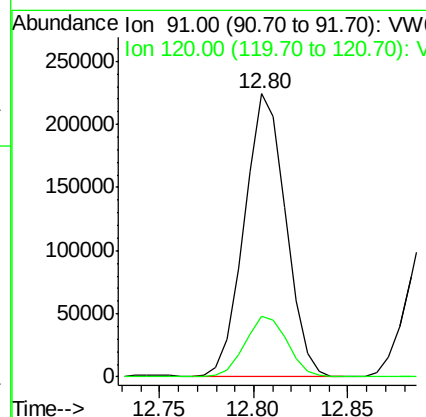
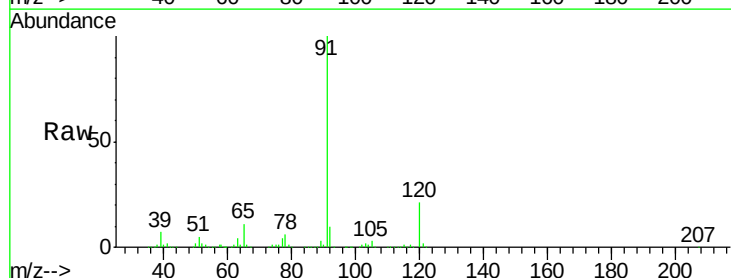
RT: 12.80 min Scan# 1788

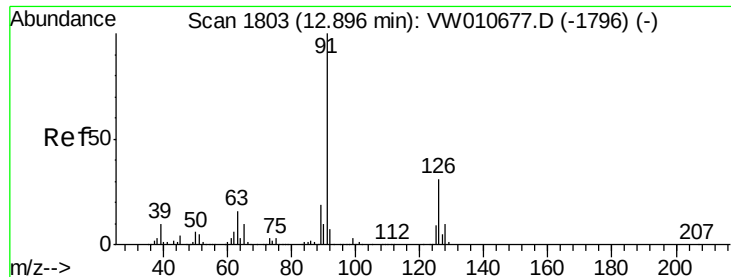
Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





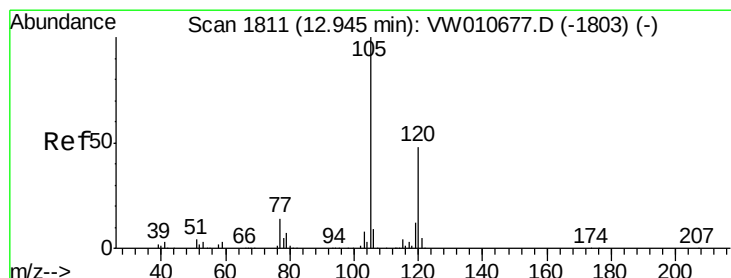
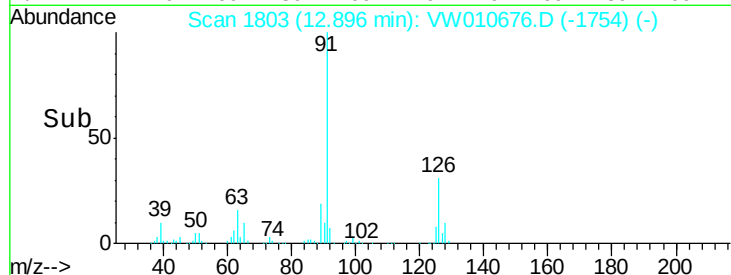
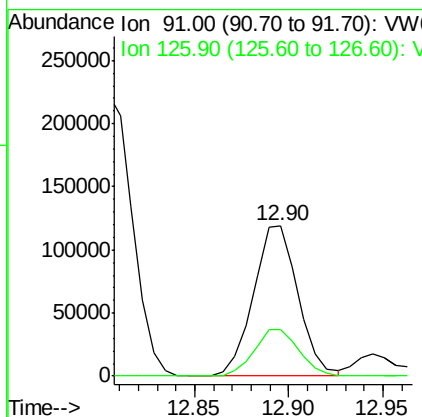
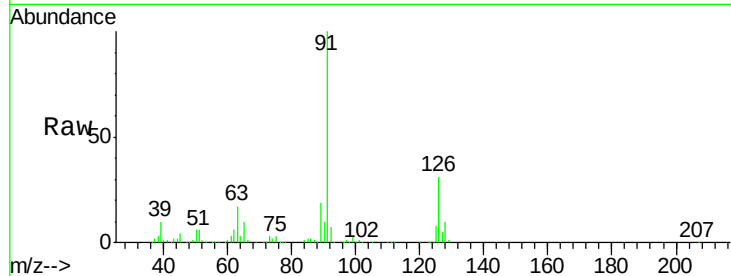
#79
2-Chlorotoluene
Concen: 20.092 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 195416
Ion Ratio Lower Upper
91 100
126 31.4 15.7 47.0

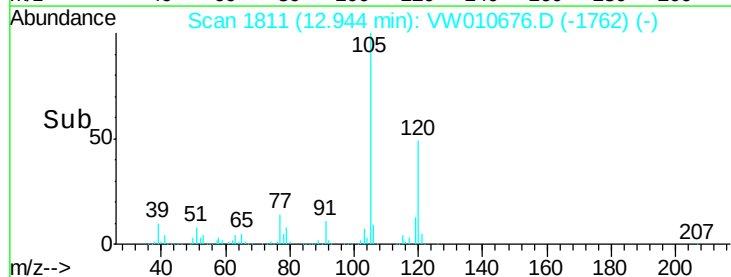
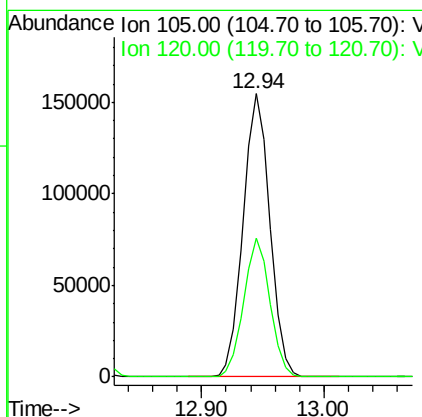
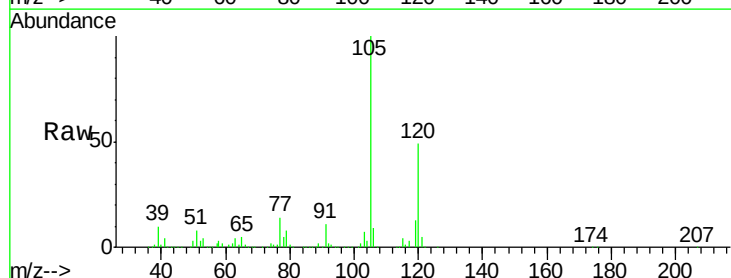
Manual Integrations
APPROVED

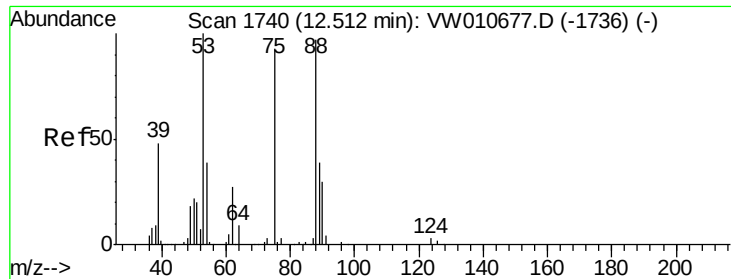
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#80
1,3,5-Trimethylbenzene
Concen: 20.266 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 105 Resp: 234193
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.194 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

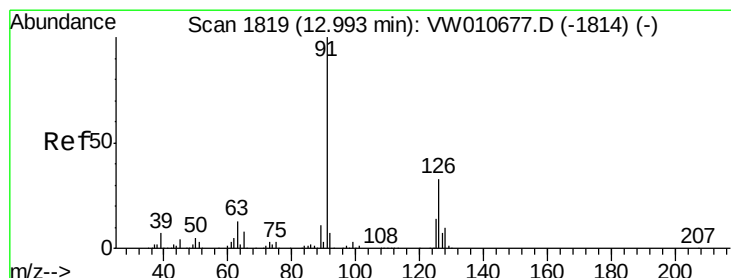
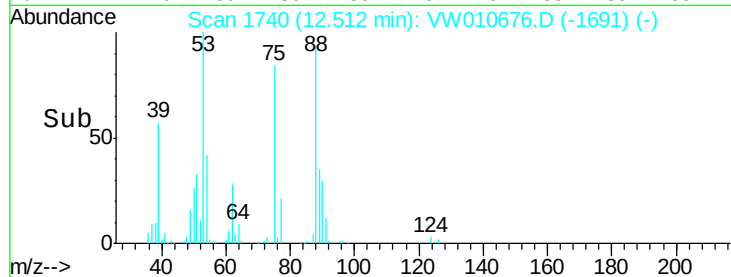
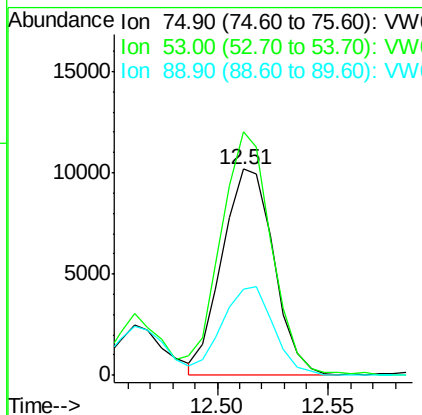
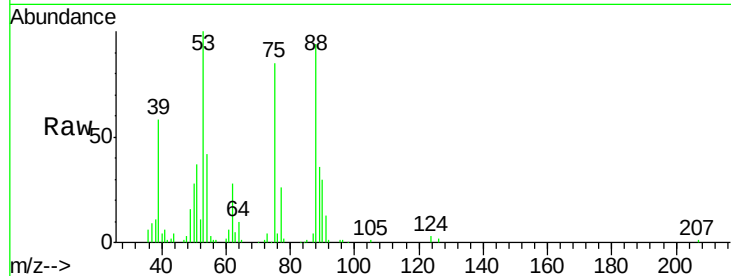
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	16477
Ion	Ratio	Lower	Upper
75	100		
53	117.5	90.1	135.1
89	43.0	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.019 ug/l

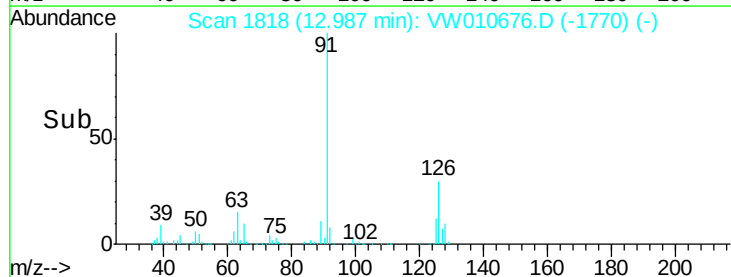
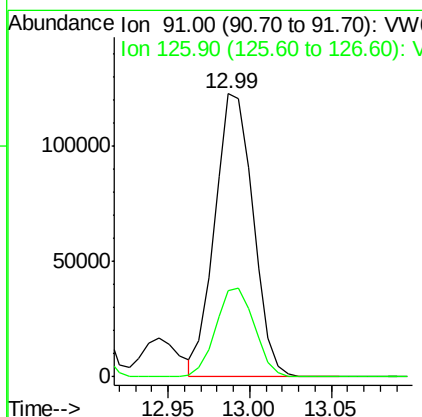
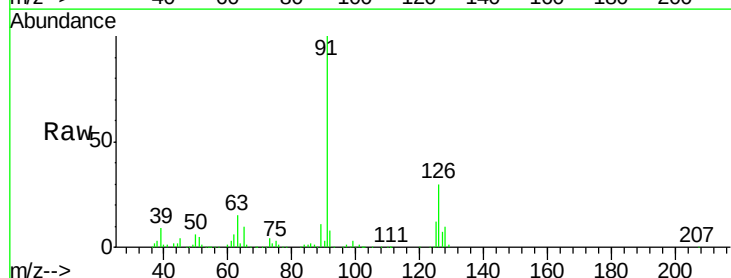
RT: 12.99 min Scan# 1818

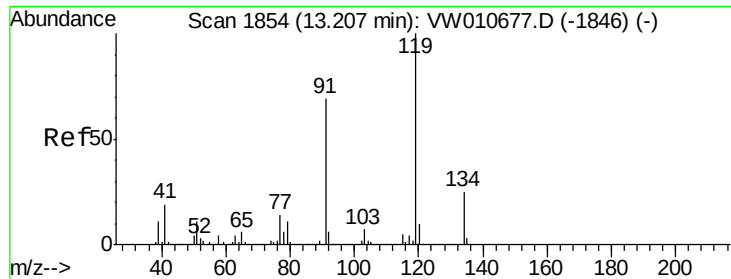
Delta R.T. -0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion:	91	Resp:	200920
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7





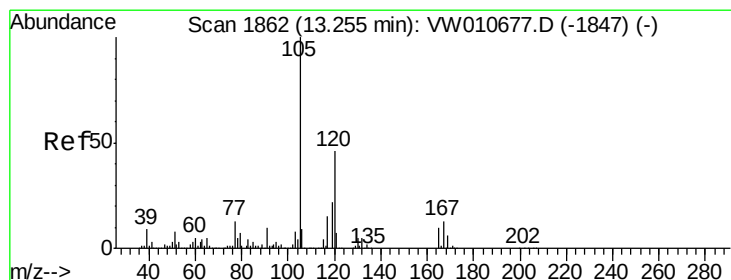
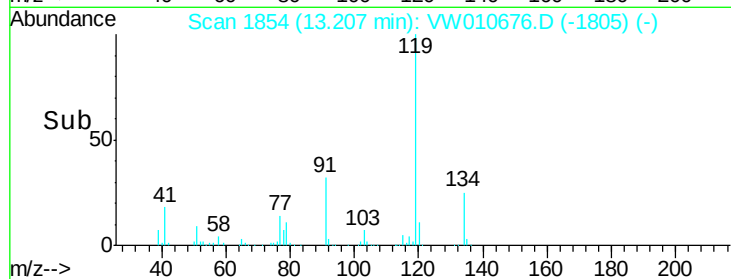
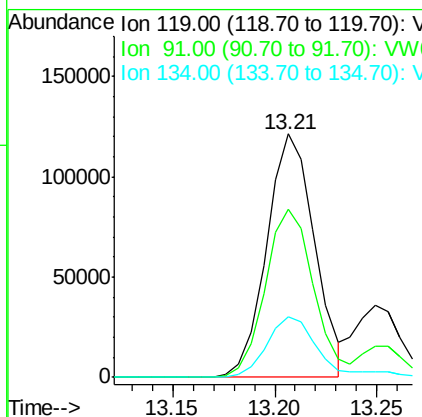
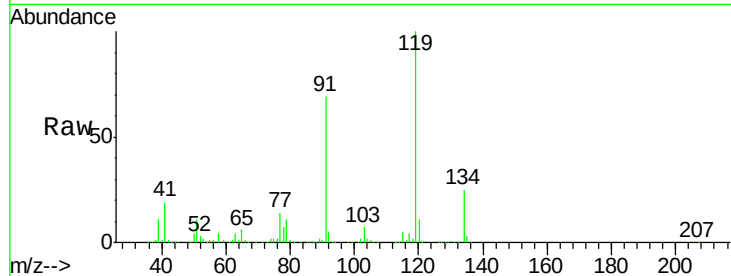
#83
 tert-Butylbenzene
 Concen: 20.216 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	198268		
91	70.1		35.1	105.3
134	27.1		13.6	40.7

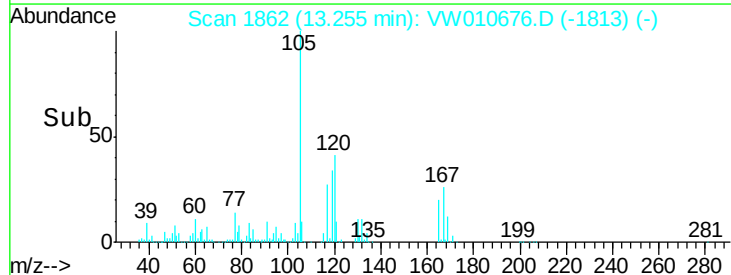
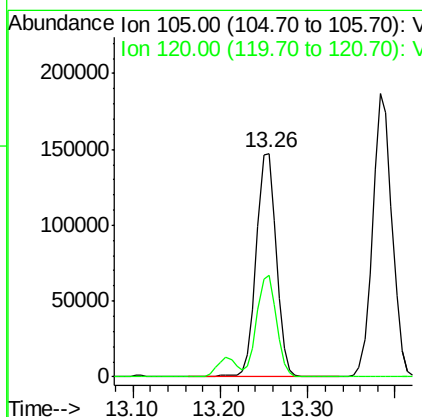
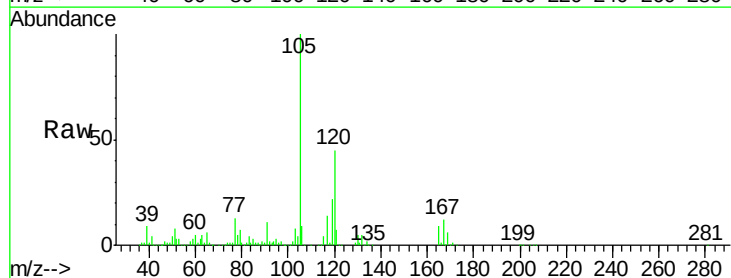
Manual Integrations
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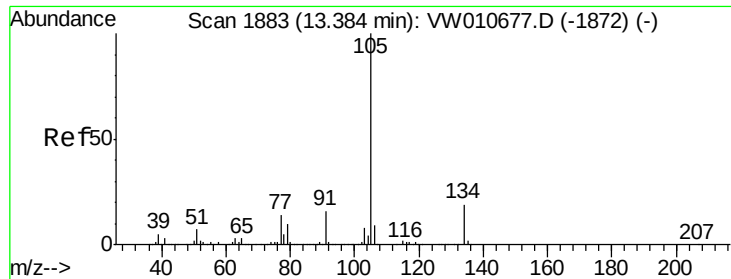
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.176 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234616		
120	44.6		22.5	67.5





#85

sec-Butylbenzene

Concen: 20.205 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 288511

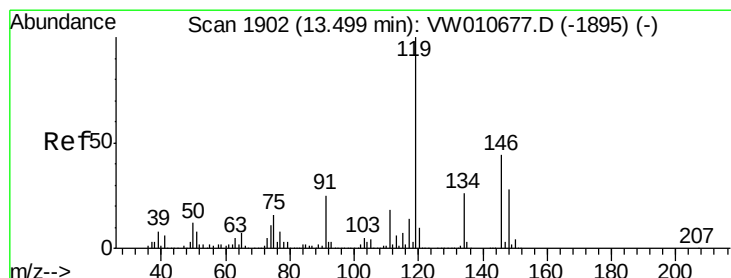
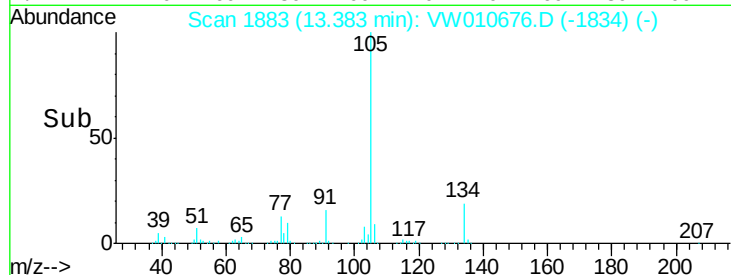
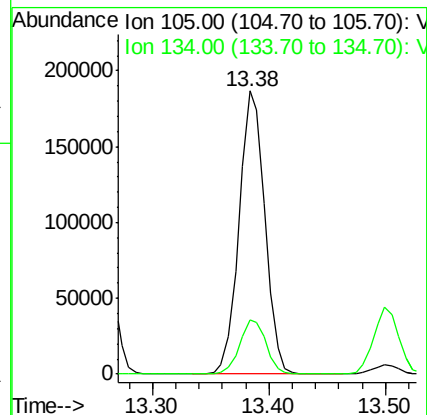
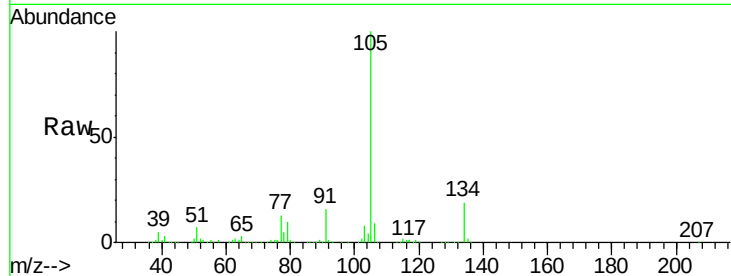
Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 20.219 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

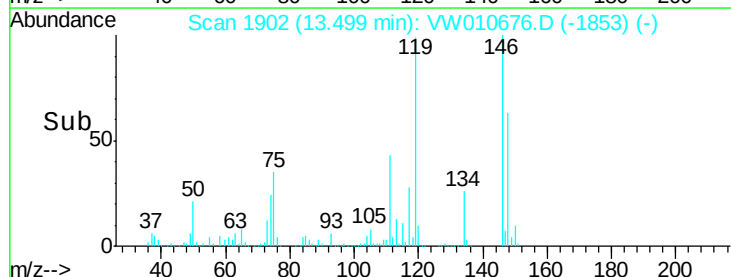
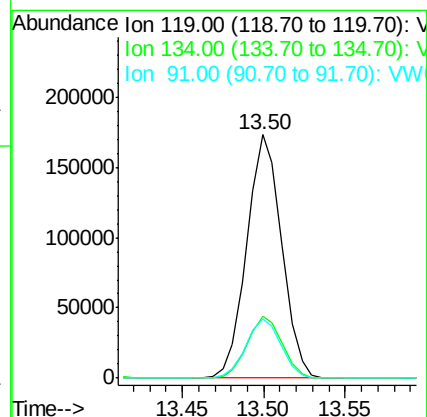
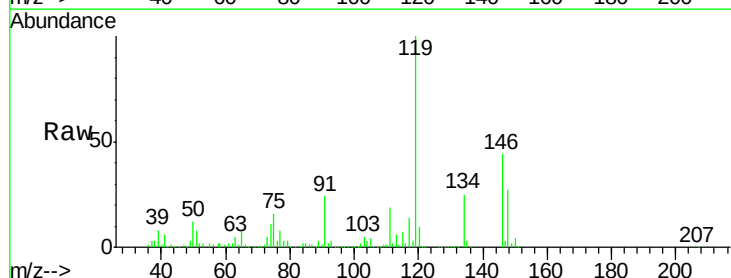
Tgt Ion:119 Resp: 258179

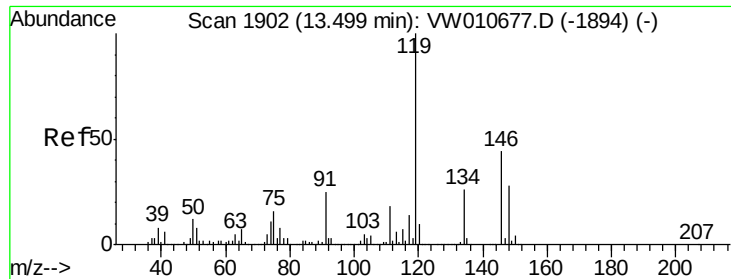
Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 24.4 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 20.198 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

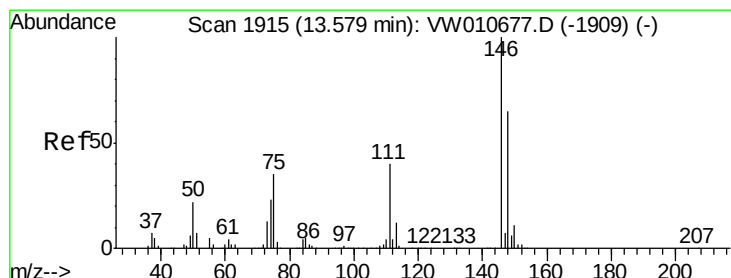
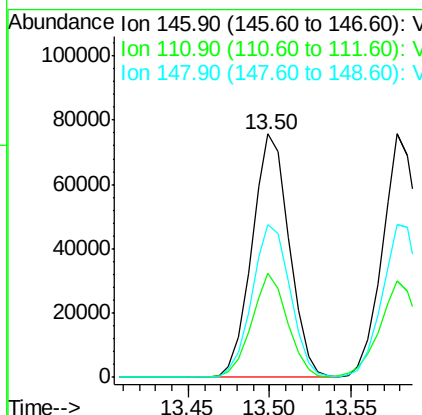
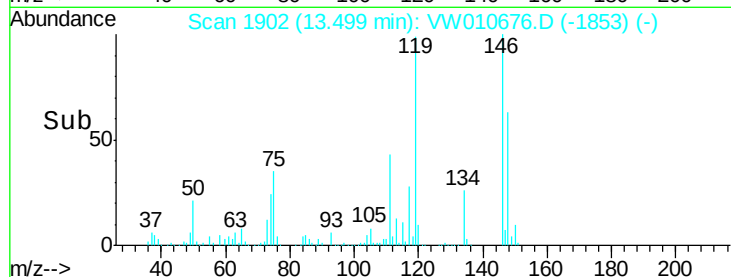
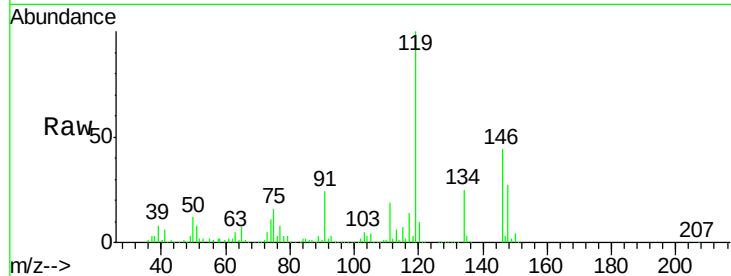
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	120035
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.4	61.3
148	64.2	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 20.233 ug/l

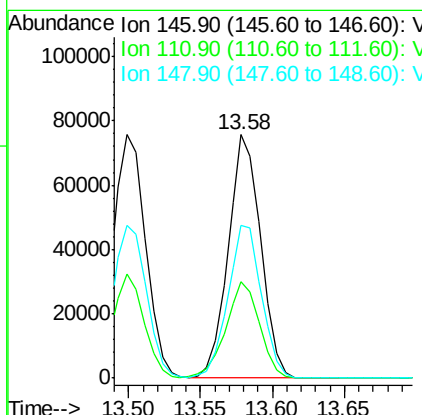
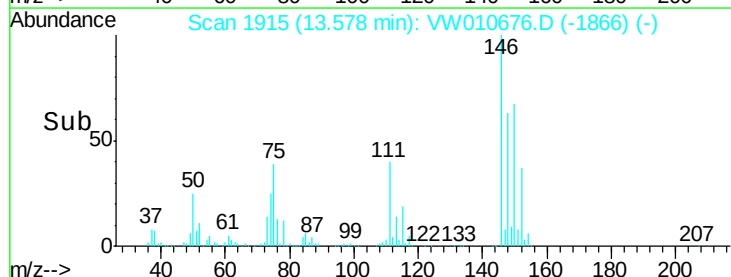
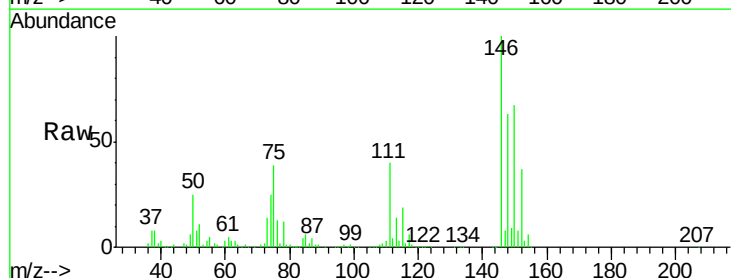
RT: 13.58 min Scan# 1915

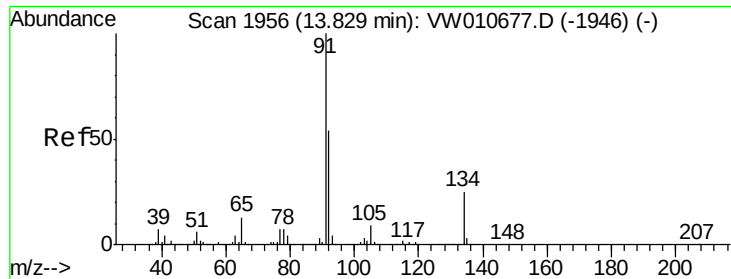
Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion:	146	Resp:	119207
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.3	60.9
148	64.9	32.4	97.2





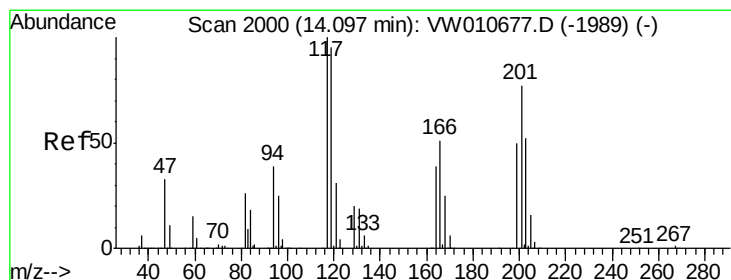
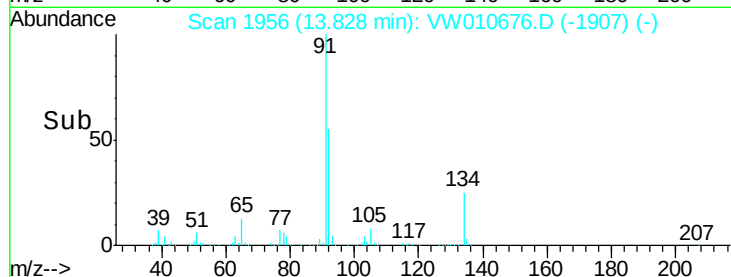
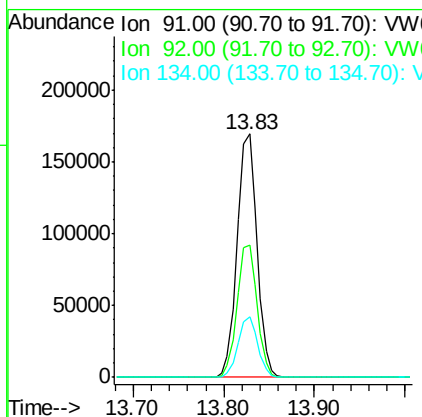
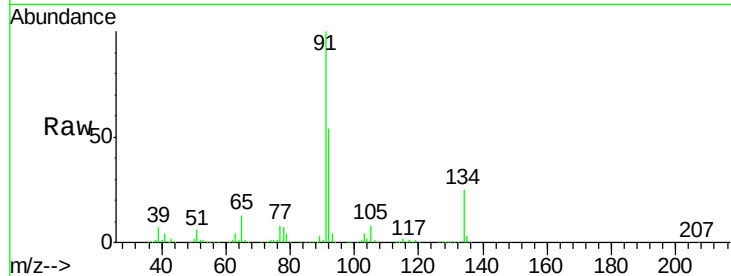
#89
n-Butylbenzene
Concen: 20.269 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	258236		
92	54.6		27.3	81.8
134	24.6		12.3	36.9

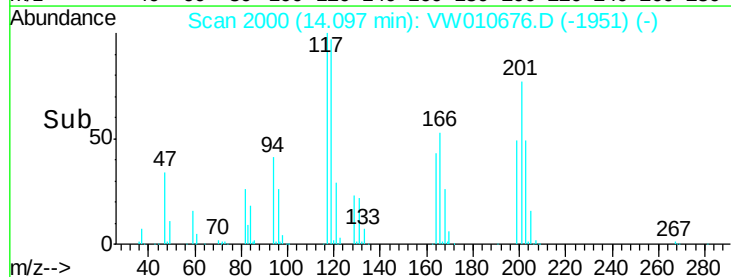
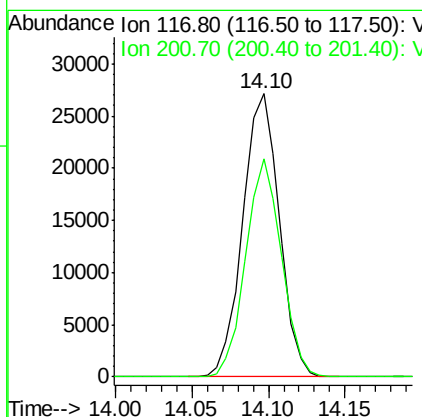
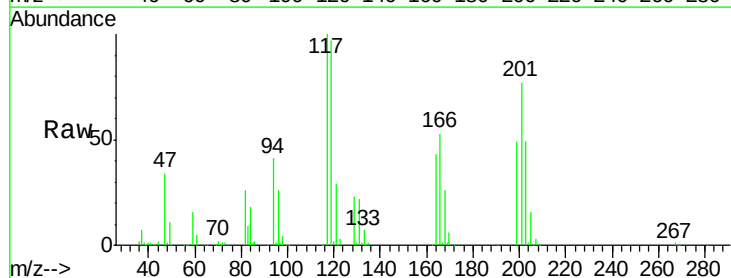
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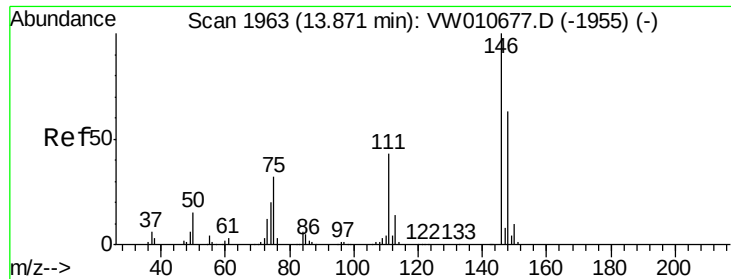
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#90
Hexachloroethane
Concen: 19.721 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45097		
201	75.3		38.8	116.4





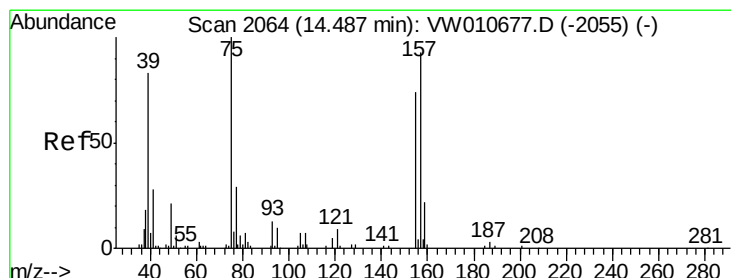
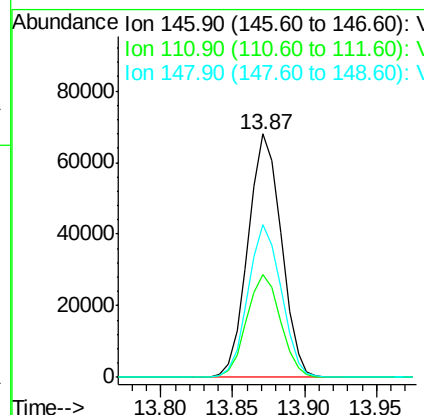
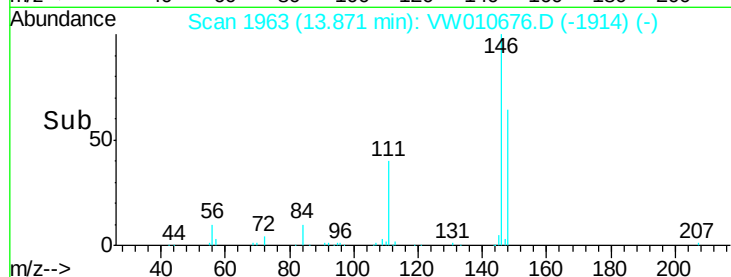
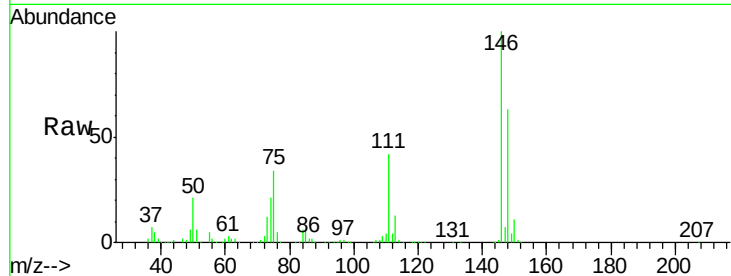
#91
 1,2-Dichlorobenzene
 Concen: 20.346 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	62.7	31.9	95.5

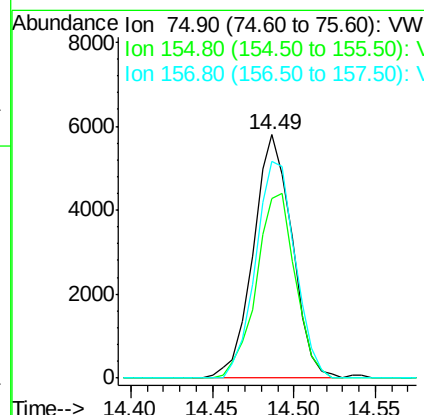
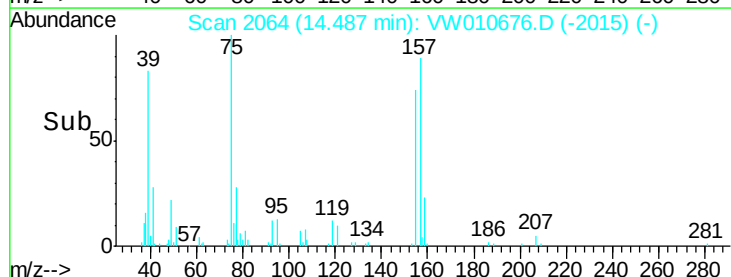
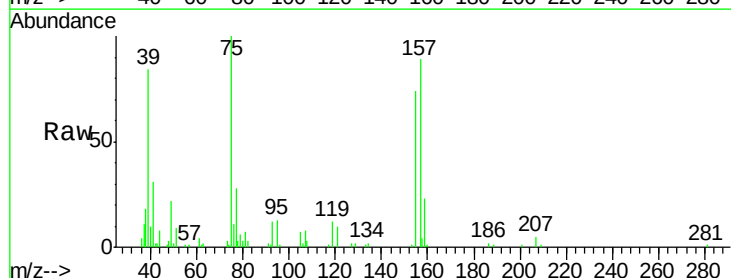
Manual Integrations
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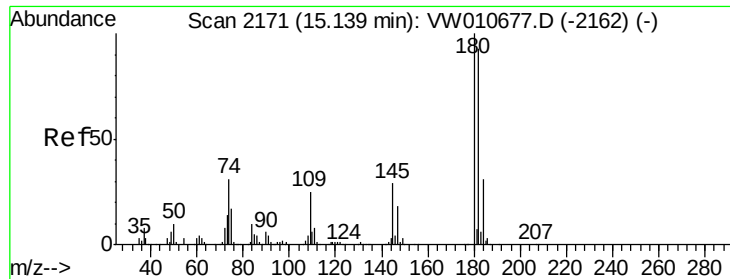
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.757 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	38.8	116.4
157	91.0	48.4	145.0





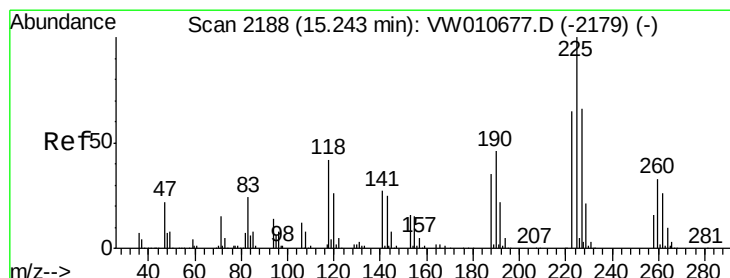
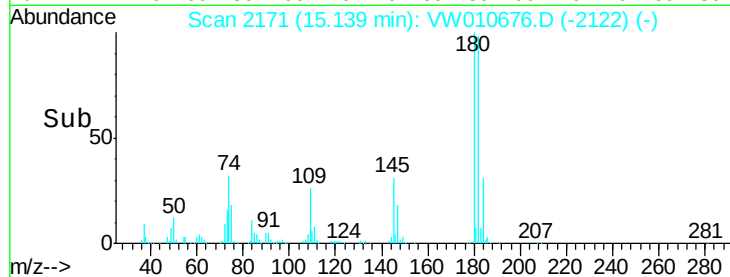
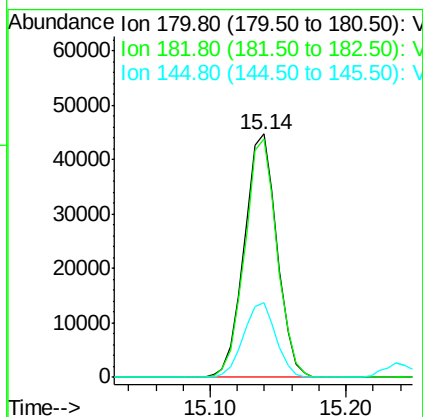
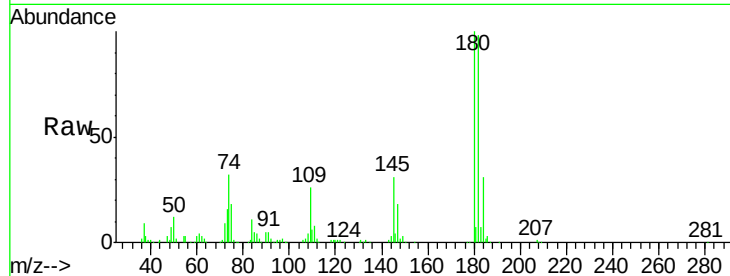
#93
 1,2,4-Trichlorobenzene
 Concen: 20.032 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	75131		
182	96.7	47.1	141.4	
145	30.5	15.2	45.5	

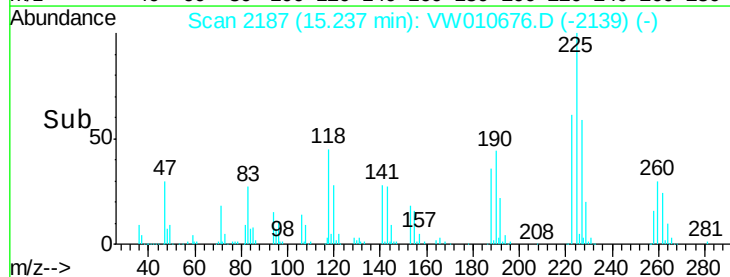
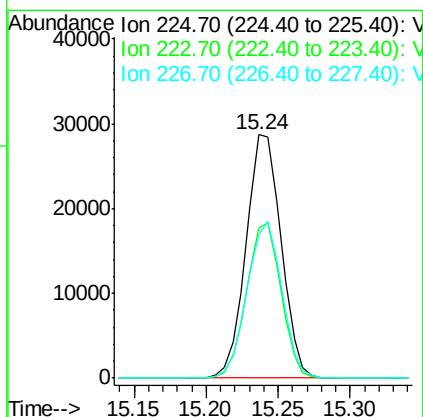
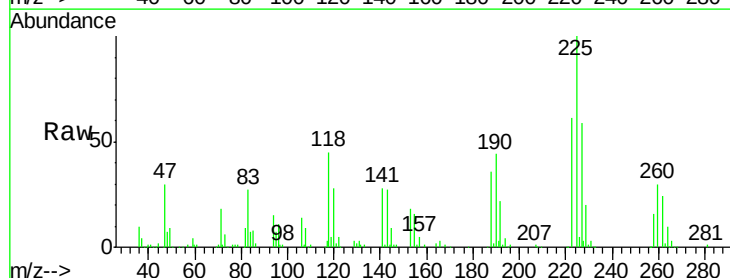
Manual Integrations
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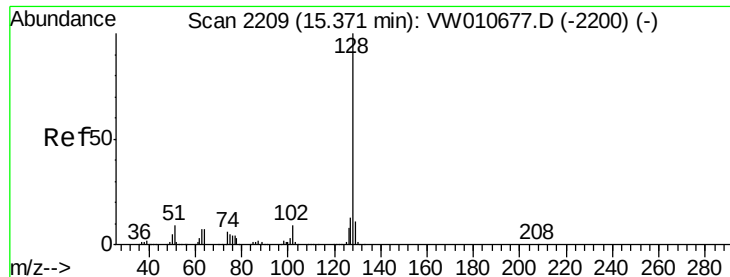
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 20.499 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48251		
223	62.5	32.2	96.6	
227	63.6	32.0	96.0	





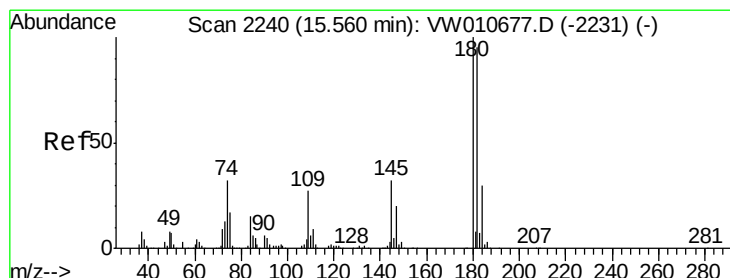
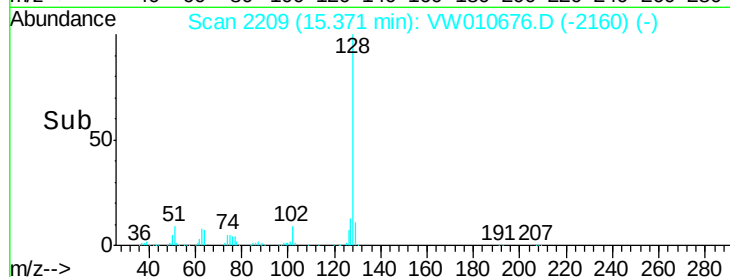
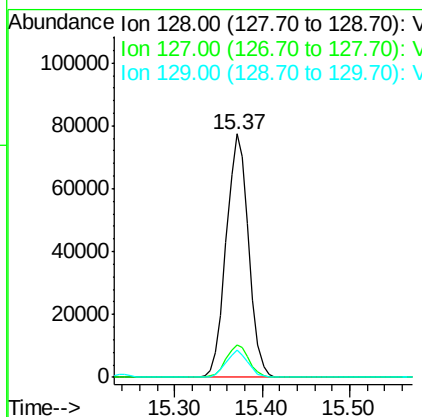
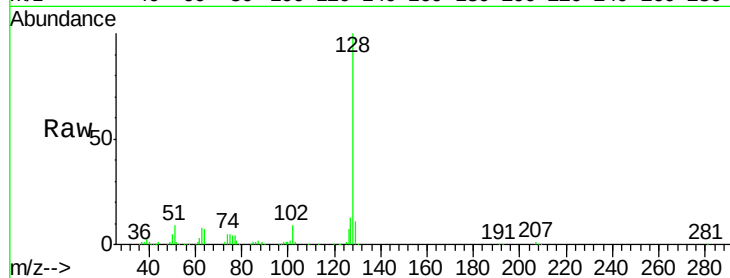
#95
Naphthalene
Concen: 20.176 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	137485		
127	13.5		10.6	15.8
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2019 3:04:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.534 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65495		
182	95.6		47.0	141.0
145	31.2		16.1	48.3

