

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008006.D
 Acq On : 02 Jan 2019 13:45
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:23 AM

Quant Time: Jan 03 04:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 04:40:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	68729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	107955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	14970	19.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.38%	
35) Dibromofluoromethane	7.88	113	12923	18.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.98%	
50) Toluene-d8	10.32	98	49522	19.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.80%	
62) 4-Bromofluorobenzene	12.62	95	18915	19.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12127	18.952	ug/l	98
3) Chloromethane	2.21	50	8882	18.983	ug/l	98
4) Vinyl Chloride	2.37	62	11969	19.806	ug/l	95
5) Bromomethane	2.78	94	7377	19.214	ug/l	99
6) Chloroethane	2.93	64	6147	19.902	ug/l	91
7) Trichlorofluoromethane	3.26	101	11637	19.184	ug/l	97
8) Diethyl Ether	3.68	74	6488	20.824	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14877	20.637	ug/l	98
10) Methyl Iodide	4.26	142	23375	20.155	ug/l	98
11) Tert butyl alcohol	5.17	59	5049	102.233	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	13884	20.121	ug/l	86
13) Acrolein	3.89	56	3394	101.428	ug/l	98
14) Allyl chloride	4.67	41	19065	20.394	ug/l	98
15) Acrylonitrile	5.37	53	11793	102.909	ug/l	98
16) Acetone	4.12	43	11495	97.686	ug/l	92
17) Carbon Disulfide	4.38	76	41095	19.497	ug/l	96
18) Methyl Acetate	4.67	43	6050	19.825	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	22439	20.663	ug/l	100
20) Methylene Chloride	4.90	84	15822	19.494	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	14951	19.914	ug/l	97
22) Diisopropyl ether	6.31	45	34241	20.407	ug/l	97
23) Vinyl Acetate	6.26	43	96813	103.124	ug/l	100
24) 1,1-Dichloroethane	6.21	63	25346	20.330	ug/l	98
25) 2-Butanone	7.17	43	13908	100.314	ug/l	93
26) 2,2-Dichloropropane	7.17	77	21014	20.459	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	16284	20.362	ug/l	96
28) Bromochloromethane	7.51	49	7597	18.959	ug/l #	99
29) Tetrahydrofuran	7.53	42	9027	104.820	ug/l	98
30) Chloroform	7.68	83	27941	19.997	ug/l	94
31) Cyclohexane	7.95	56	23045	19.832	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	27666	20.693	ug/l	100
36) 1,1-Dichloropropene	8.08	75	21488	20.178	ug/l	99
37) Ethyl Acetate	7.26	43	6662	20.826	ug/l	98
38) Carbon Tetrachloride	8.07	117	25518	19.994	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	27075	20.397	ug/l	97
40) Benzene	8.32	78	56728	20.192	ug/l	100
41) Methacrylonitrile	7.48	41	3728	18.915	ug/l	92
42) 1,2-Dichloroethane	8.40	62	18670	19.946	ug/l	97
43) Isopropyl Acetate	8.42	43	12706	19.880	ug/l	98
44) Trichloroethene	9.09	130	16997	20.502	ug/l	95
45) 1,2-Dichloropropane	9.37	63	12237	20.123	ug/l	98
46) Dibromomethane	9.46	93	7079	19.911	ug/l	95
47) Bromodichloromethane	9.65	83	20335	20.421	ug/l	97
48) Methyl methacrylate	9.44	41	6517	20.222	ug/l	98
49) 1,4-Dioxane	9.45	88	2129	404.649	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	30070	101.637	ug/l	100
52) Toluene	10.39	92	38044	20.512	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	19342	20.200	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	21509	20.130	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	10001	20.776	ug/l	95
56) Ethyl methacrylate	10.65	69	11331	20.822	ug/l	94
57) 1,3-Dichloropropane	10.93	76	16345	19.983	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	27002	104.623	ug/l	99
59) 2-Hexanone	10.97	43	20946	102.553	ug/l	98
60) Dibromochloromethane	11.13	129	13108	19.893	ug/l	98
61) 1,2-Dibromoethane	11.24	107	9938	20.630	ug/l	97
64) Tetrachloroethene	10.87	164	14005	20.731	ug/l	97
65) Chlorobenzene	11.66	112	41828	20.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	15437	20.394	ug/l	97
67) Ethyl Benzene	11.73	91	76270	20.558	ug/l	99
68) m/p-Xylenes	11.84	106	59233	41.296	ug/l	99
69) o-Xylene	12.17	106	27431	20.553	ug/l	99
70) Styrene	12.18	104	45029	20.700	ug/l	99
71) Bromoform	12.35	173	6964	19.858	ug/l #	98
73) Isopropylbenzene	12.47	105	78795	20.085	ug/l	99
74) N-amyl acetate	12.27	43	12241	20.045	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	10054	20.141	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8157m	11.869	ug/l	
77) Bromobenzene	12.75	156	17414	20.651	ug/l	99
78) n-propylbenzene	12.81	91	92625	20.364	ug/l	99
79) 2-Chlorotoluene	12.90	91	53962	20.527	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	68137	20.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3202	19.292	ug/l	95
82) 4-Chlorotoluene	12.99	91	56745	20.300	ug/l	99
83) tert-Butylbenzene	13.21	119	60319	20.416	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	69585	20.344	ug/l	99
85) sec-Butylbenzene	13.39	105	83960	20.658	ug/l	98
86) p-Isopropyltoluene	13.51	119	75765	20.667	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	34483	20.267	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	34099	20.244	ug/l	98
89) n-Butylbenzene	13.83	91	68885	20.543	ug/l	100
90) Hexachloroethane	14.10	117	12550	19.729	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	30165	20.176	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2077	20.501	ug/l	94

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ClientSampleId :
VSTDICC020

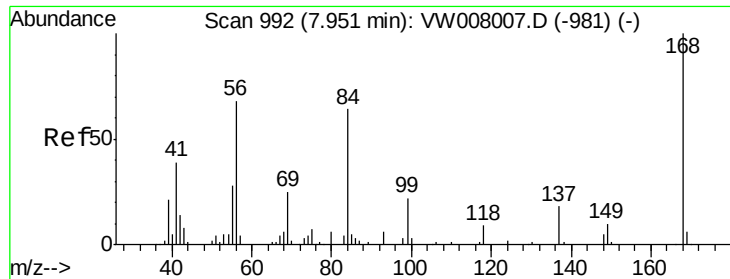
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21880	20.836	ug/l	99
94) Hexachlorobutadiene	15.24	225	12487	20.595	ug/l	97
95) Naphthalene	15.38	128	36562	20.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	17627	20.401	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 68729

Ion Ratio Lower Upper

168 100

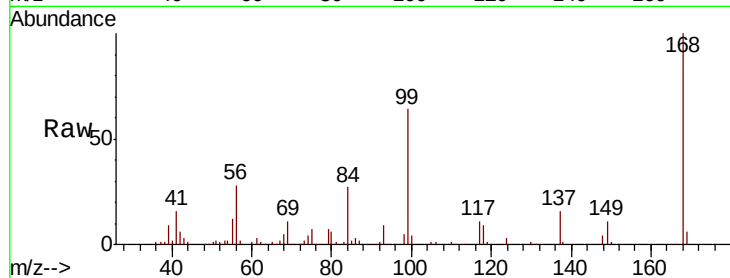
99 64.2 51.6 77.4

Manual Integrations

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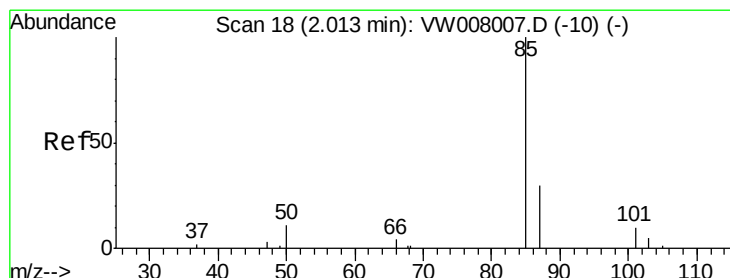
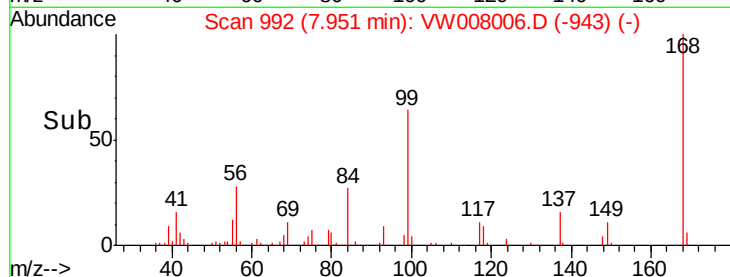
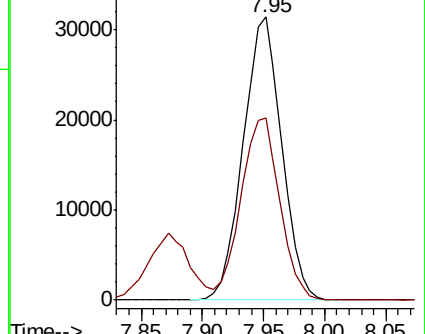
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.952 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008006.D

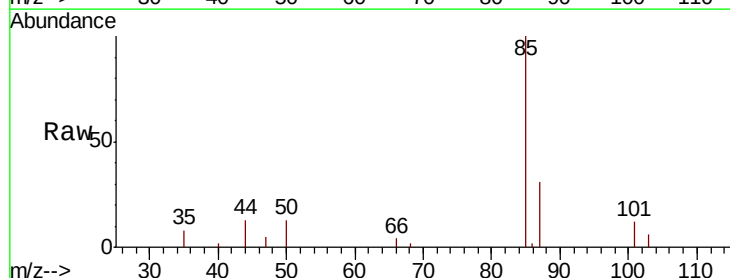
Acq: 02 Jan 2019 13:45

Tgt Ion: 85 Resp: 12127

Ion Ratio Lower Upper

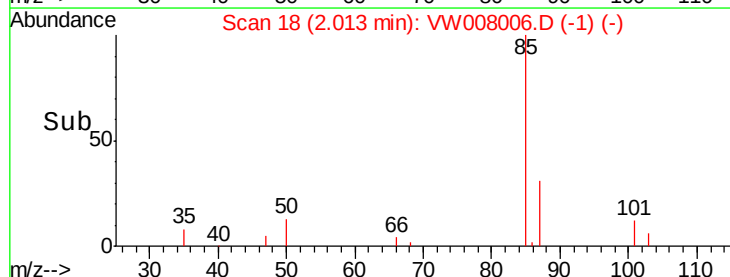
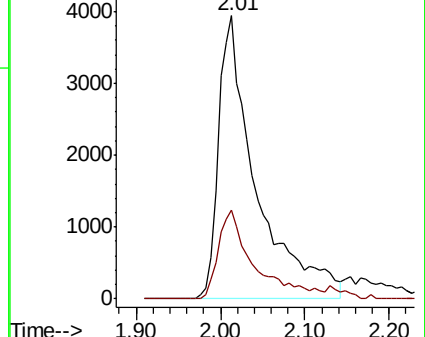
85 100

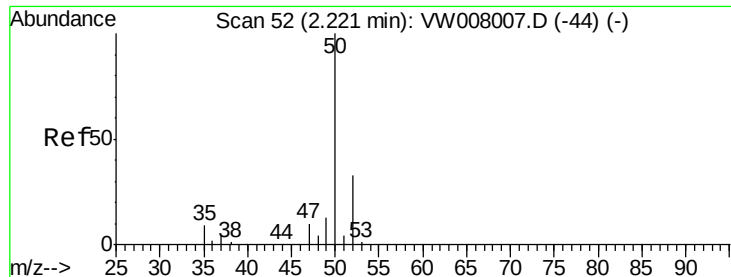
87 31.3 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.983 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 8882

Ion Ratio Lower Upper

50 100

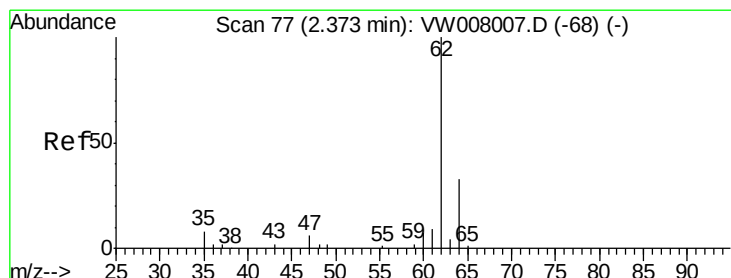
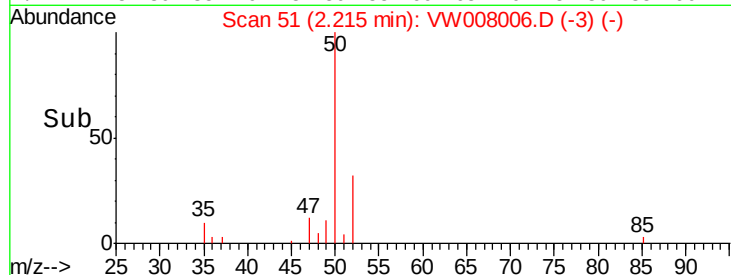
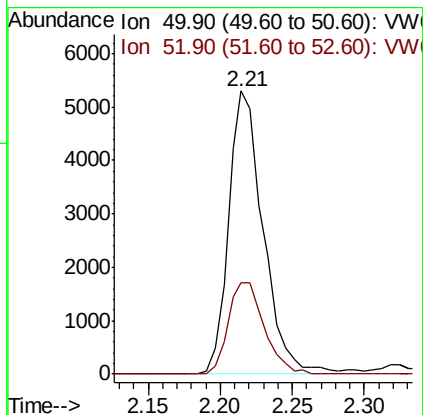
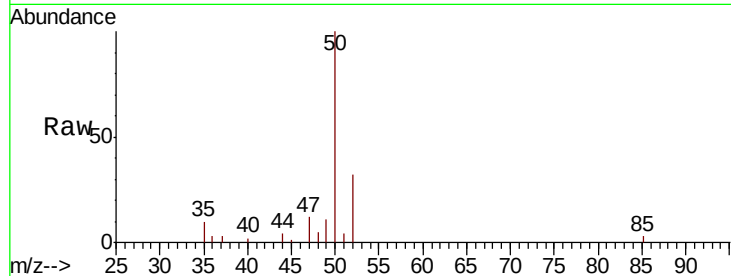
52 32.5 26.8 40.2

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#4

Vinyl Chloride

Concen: 19.806 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008006.D

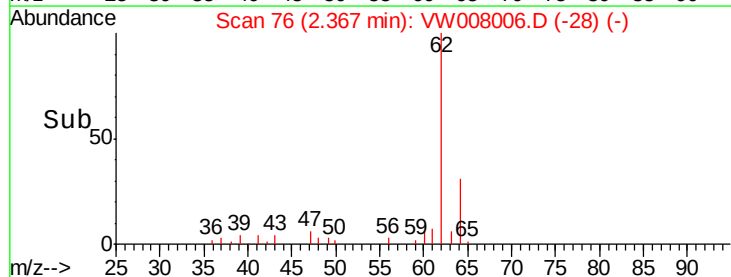
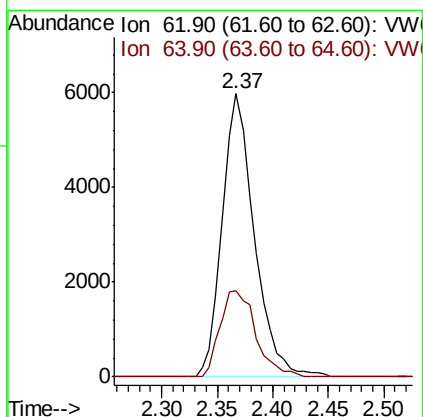
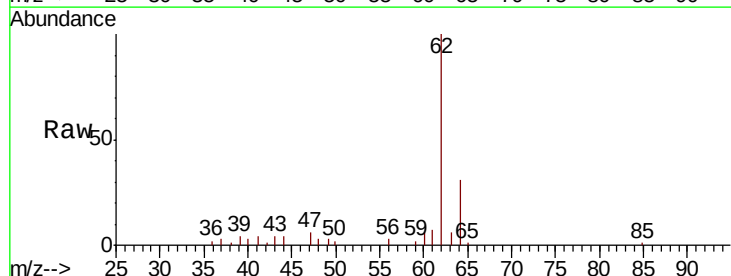
Acq: 02 Jan 2019 13:45

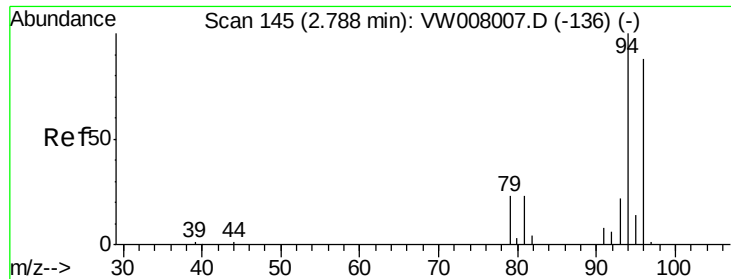
Tgt Ion: 62 Resp: 11969

Ion Ratio Lower Upper

62 100

64 30.7 26.8 40.2





#5

Bromomethane

Concen: 19.214 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 7377

Ion Ratio Lower Upper

94 100

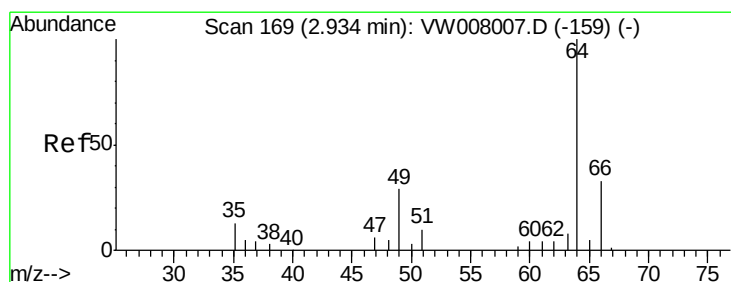
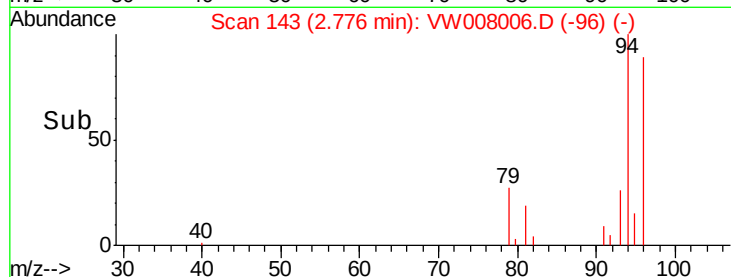
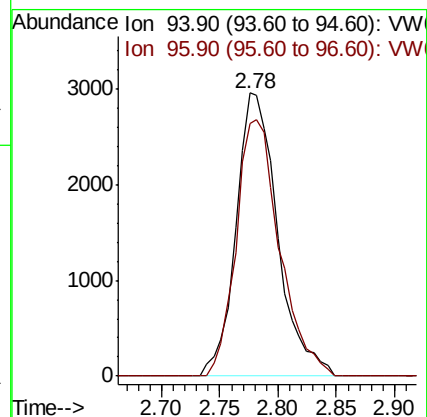
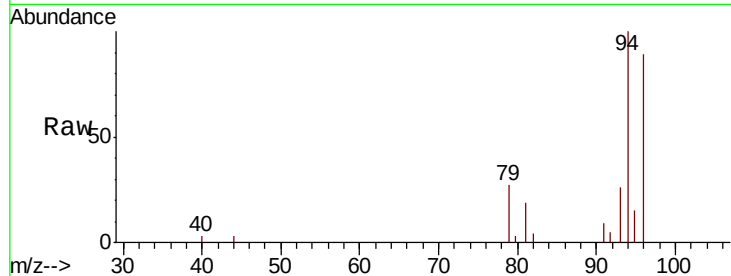
96 89.4 70.7 106.1

Manual Integrations

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#6

Chloroethane

Concen: 19.902 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008006.D

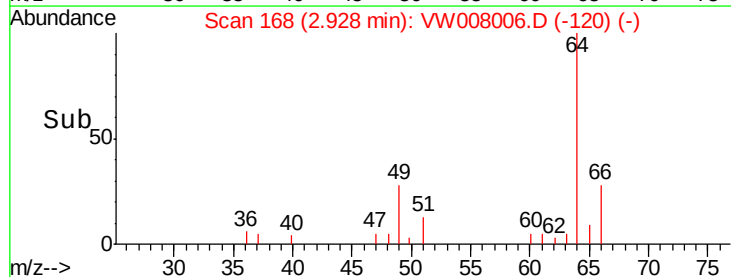
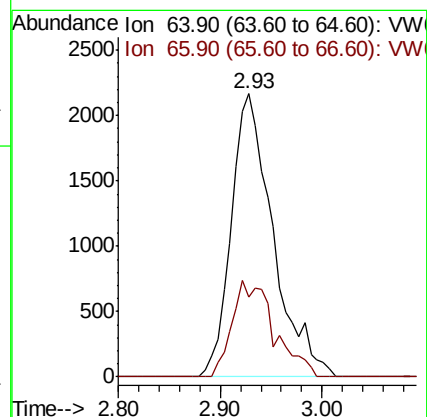
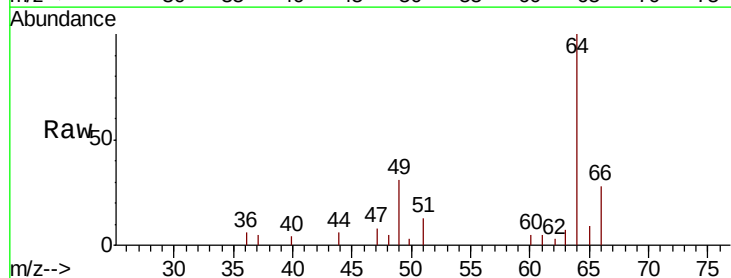
Acq: 02 Jan 2019 13:45

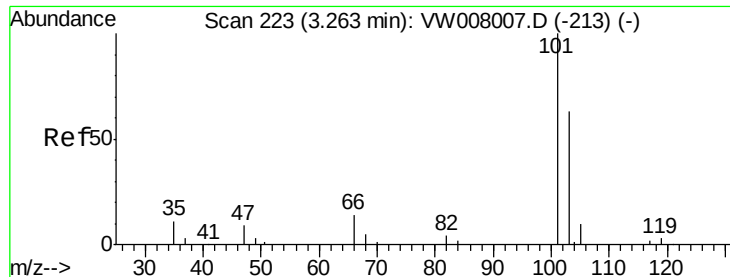
Tgt Ion: 64 Resp: 6147

Ion Ratio Lower Upper

64 100

66 28.1 26.6 39.8





#7

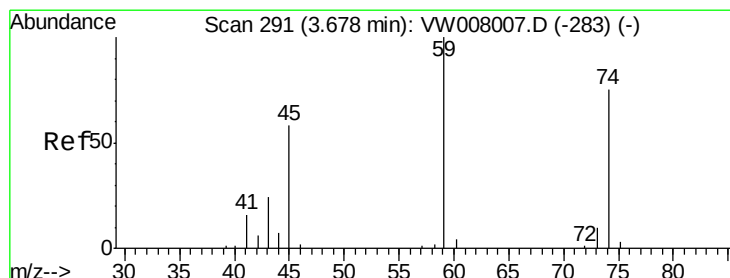
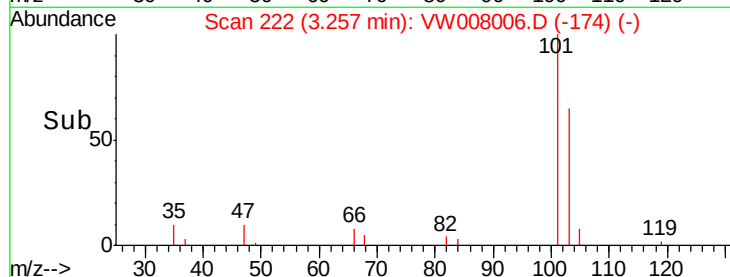
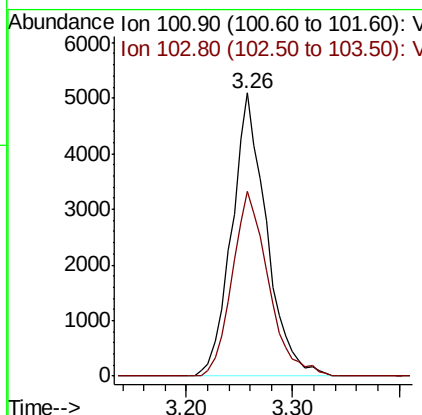
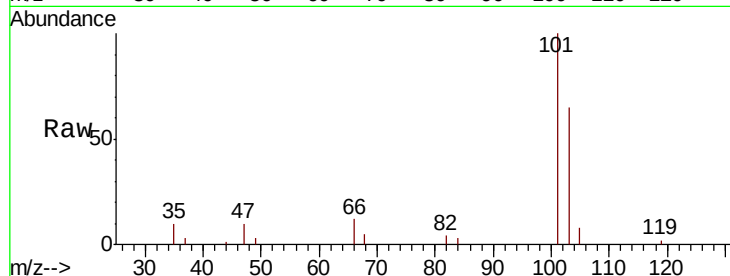
Trichlorofluoromethane
 Concen: 19.184 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.5	75.7

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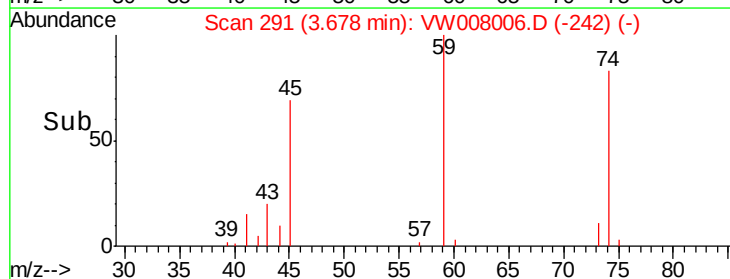
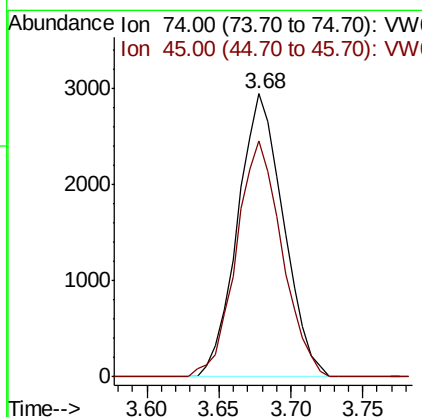
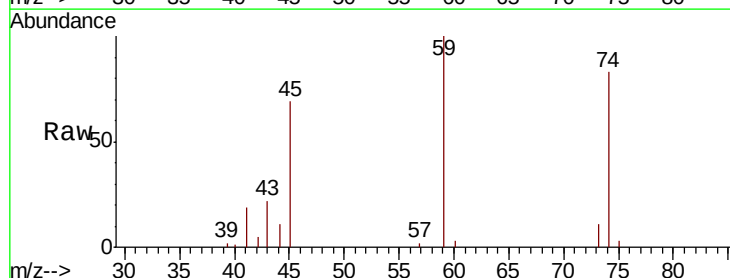
MMDadoda
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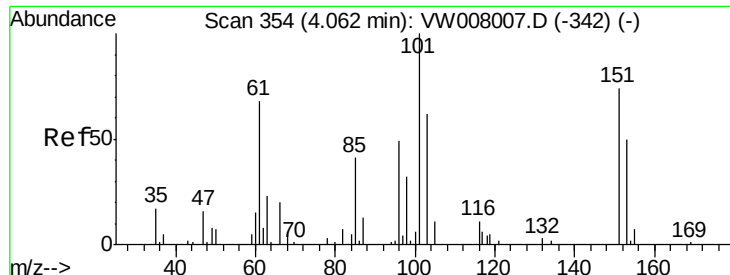


#8

Diethyl Ether
 Concen: 20.824 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.1	41.4	124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.637 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

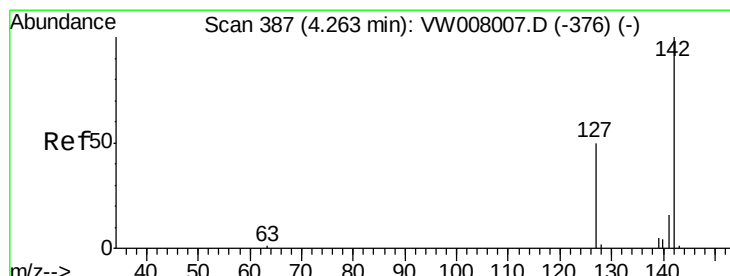
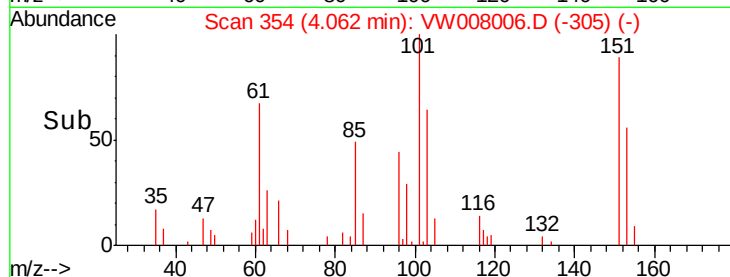
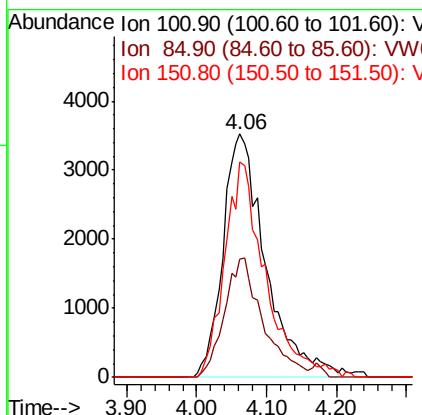
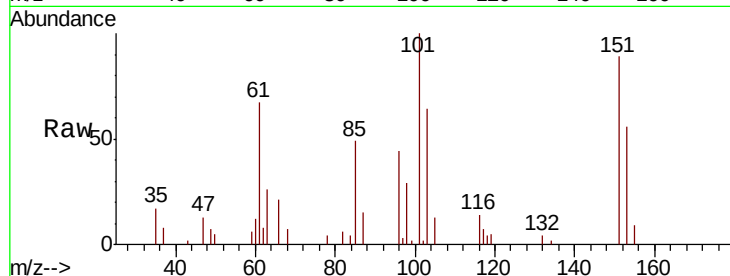
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	14877
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.1	52.7
151	83.8	65.3	97.9

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#10

Methyl Iodide

Concen: 20.155 ug/l

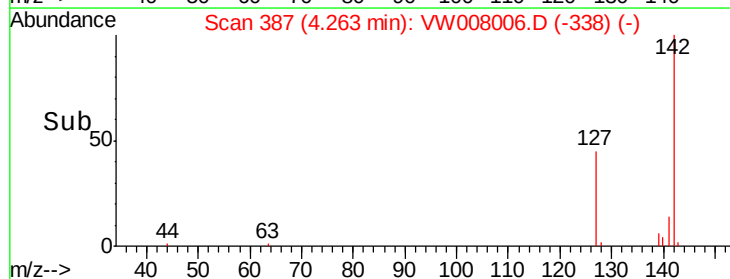
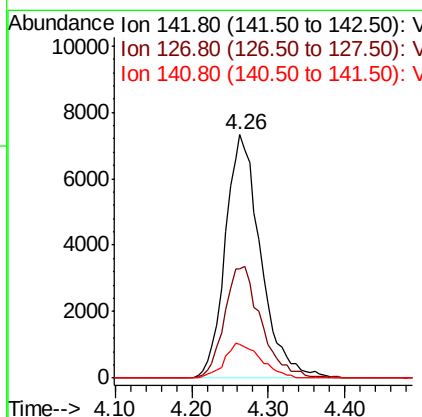
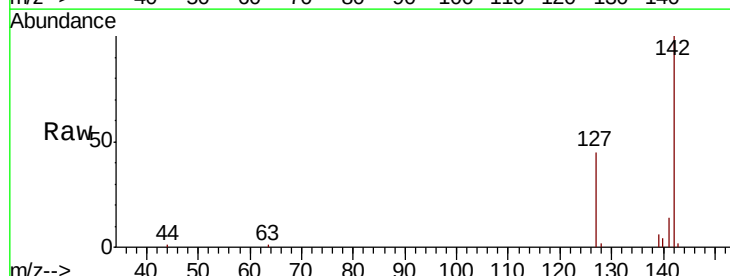
RT: 4.26 min Scan# 387

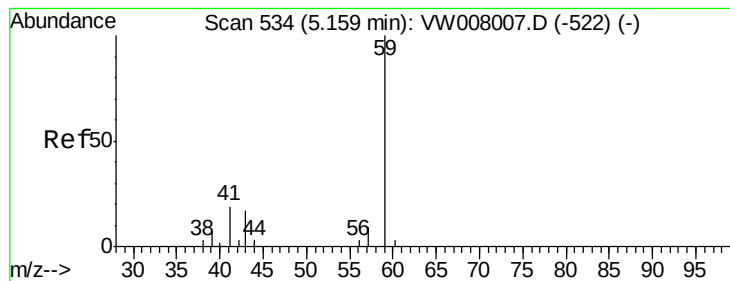
Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Tgt Ion:	142	Resp:	23375
Ion Ratio	Lower	Upper	
142	100		
127	47.7	39.4	59.0
141	14.8	12.1	18.1





#11

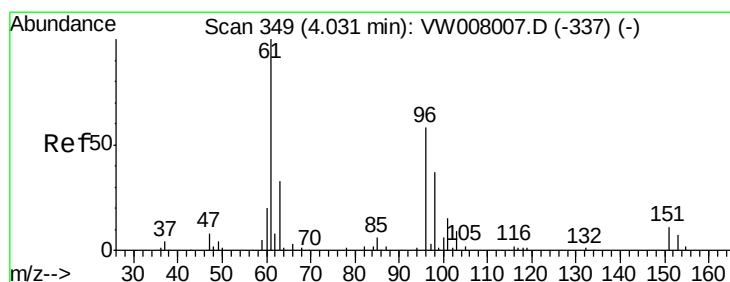
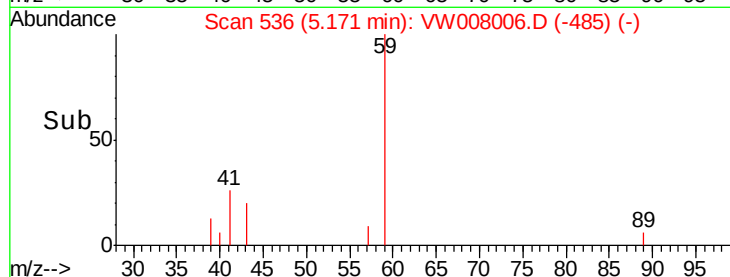
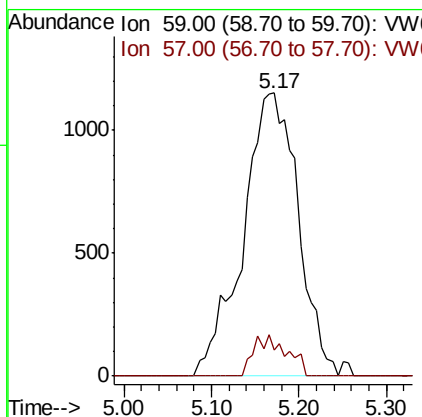
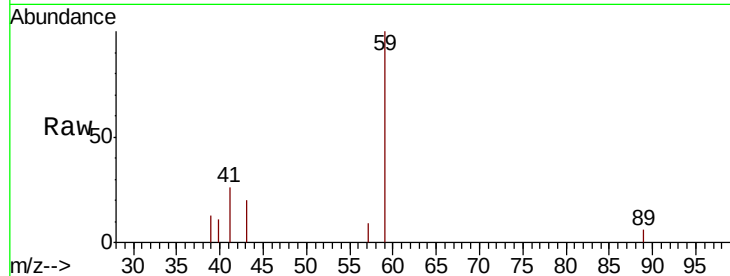
Tert butyl alcohol
 Concen: 102.233 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	9.0	13.4#

Manual Integrations
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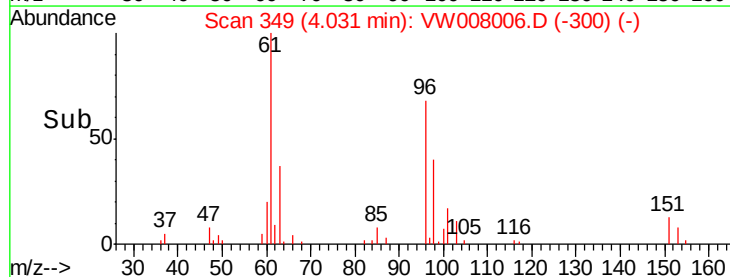
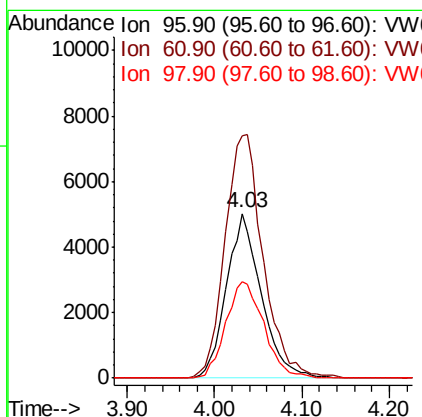
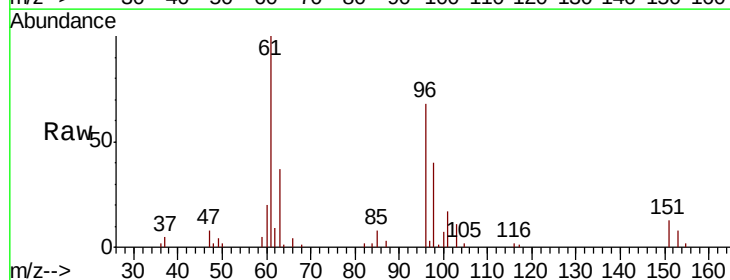
MMDadoda
 1/3/2019 10:55:23 AM

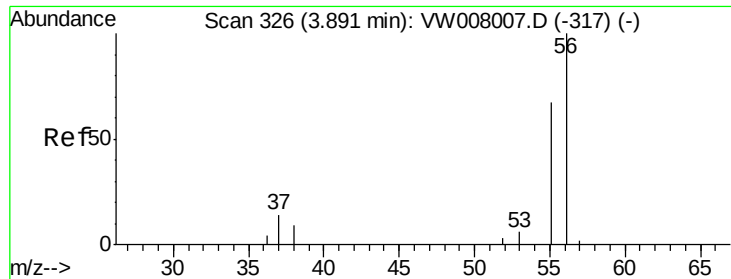


#12

1,1-Dichloroethene
 Concen: 20.121 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	137.3	205.9
98	58.5	50.5	75.7





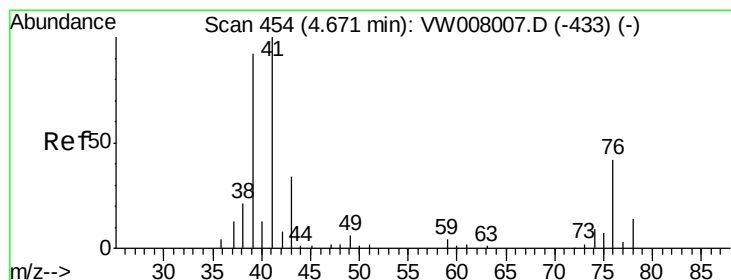
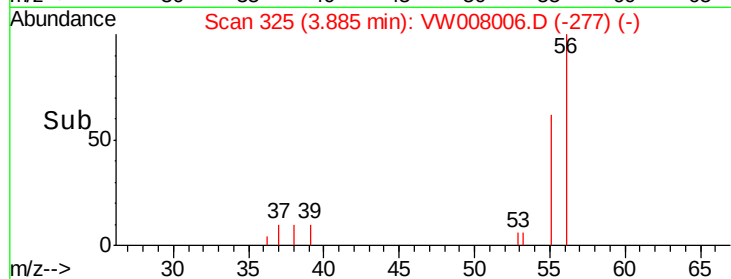
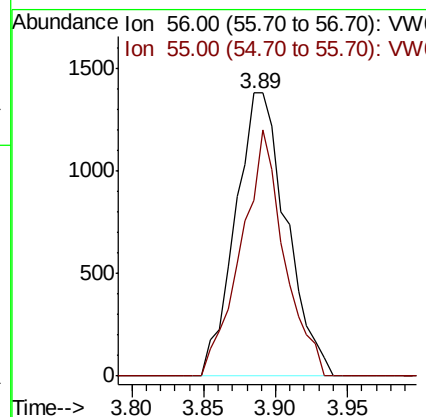
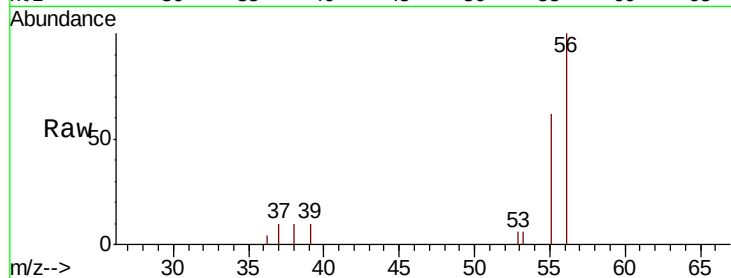
#13
 Acrolein
 Concen: 101.428 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 56 Resp: 3394
 Ion Ratio Lower Upper
 56 100
 55 73.3 57.3 85.9

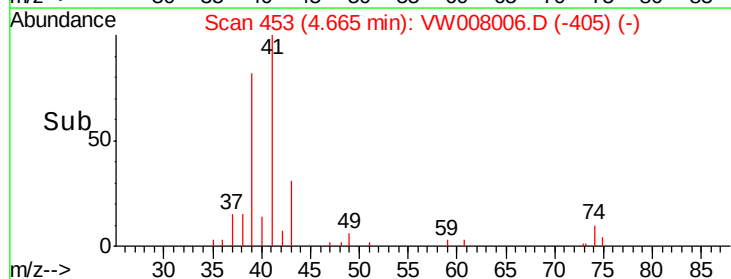
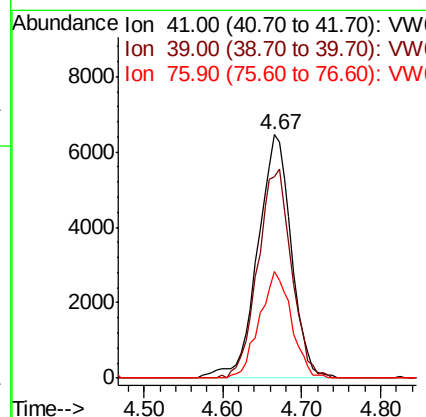
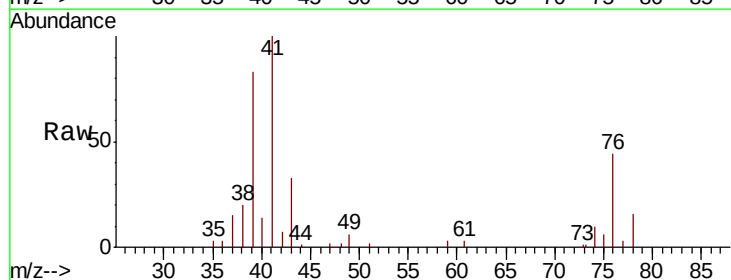
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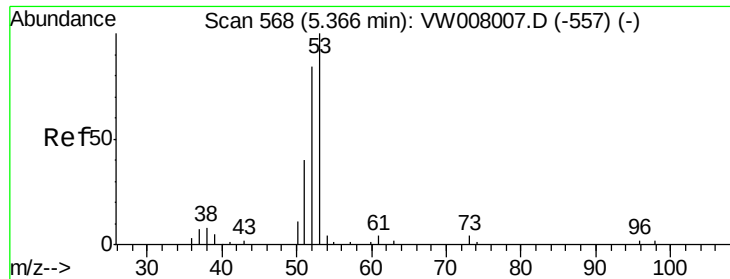
MMDadoda
 1/3/2019 10:55:23 AM



#14
 Allyl chloride
 Concen: 20.394 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion: 41 Resp: 19065
 Ion Ratio Lower Upper
 41 100
 39 86.1 71.1 106.7
 76 41.6 33.4 50.2





#15

Acrylonitrile

Concen: 102.909 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

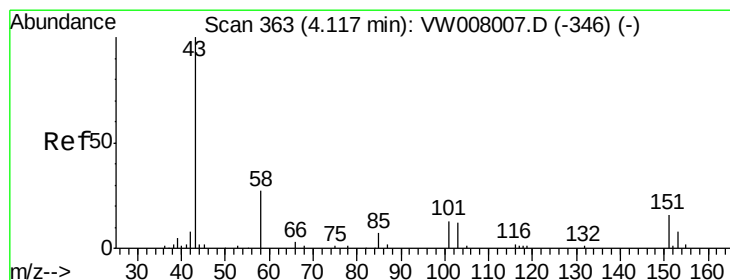
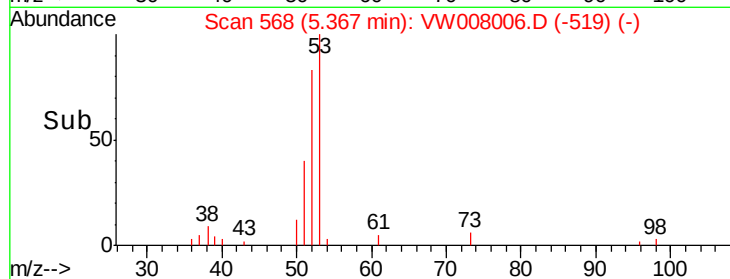
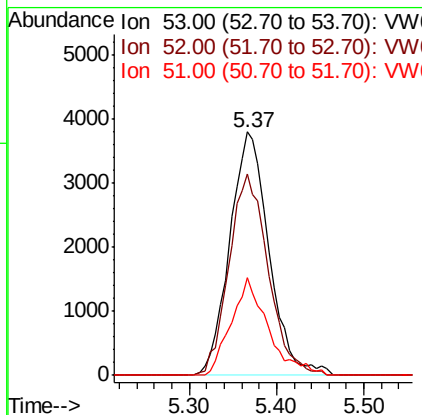
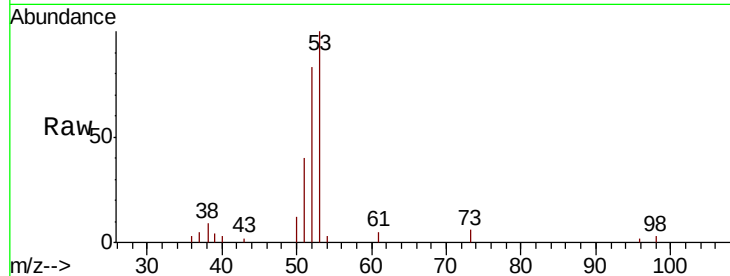
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	11793
Ion	Ratio	Lower	Upper
53	100		
52	82.6	67.8	101.8
51	37.8	31.5	47.3

Manual Integrations
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1/3/2019 10:55:23 AM



#16

Acetone

Concen: 97.686 ug/l

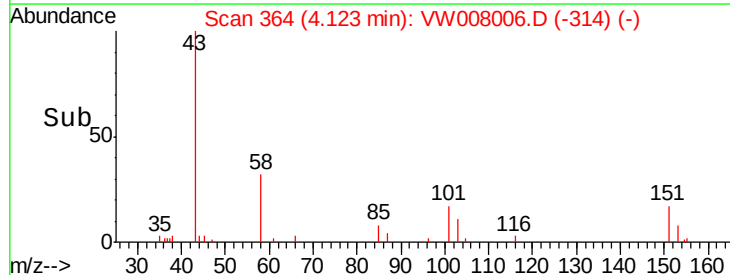
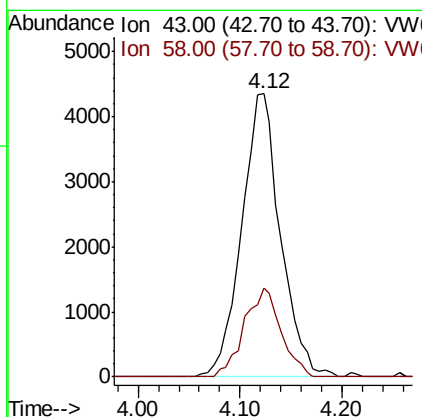
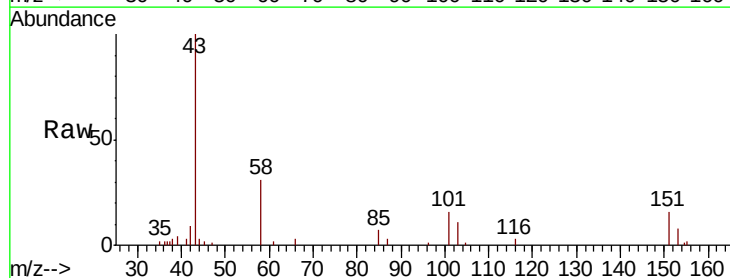
RT: 4.12 min Scan# 364

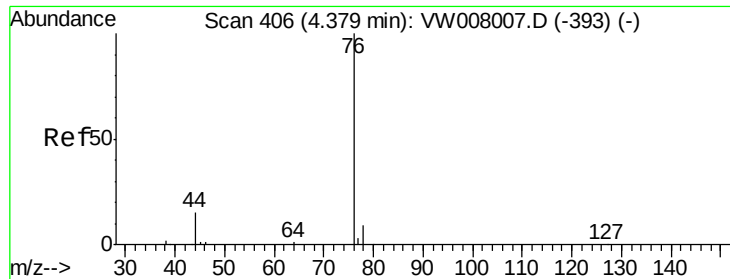
Delta R.T. 0.01 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Tgt Ion:	43	Resp:	11495
Ion	Ratio	Lower	Upper
43	100		
58	31.3	21.7	32.5





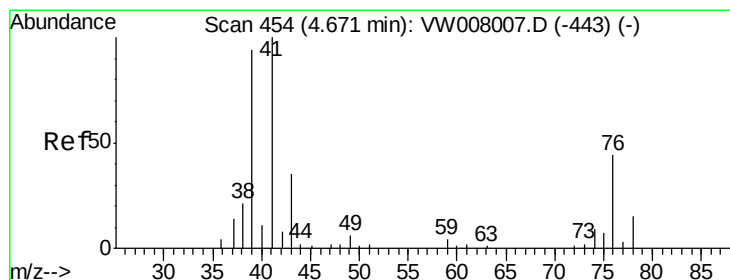
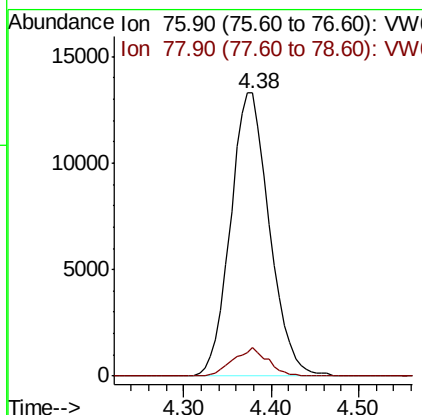
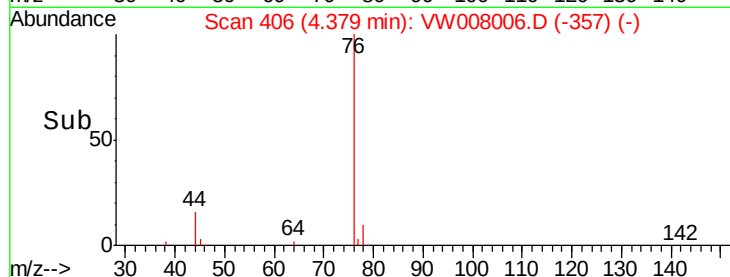
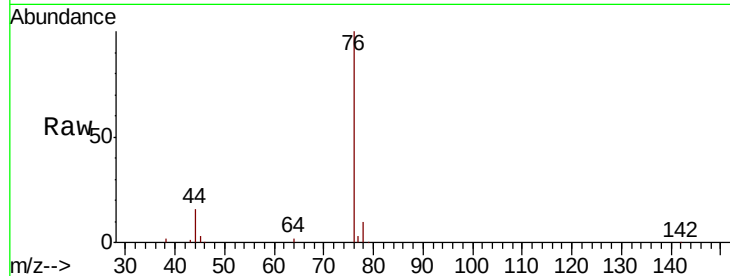
#17
Carbon Disulfide
Concen: 19.497 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 76 Resp: 41095
Ion Ratio Lower Upper
76 100
78 10.2 7.0 10.4

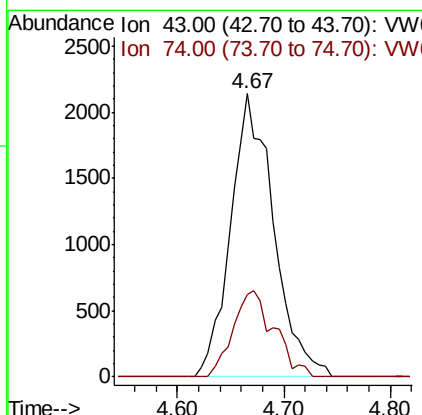
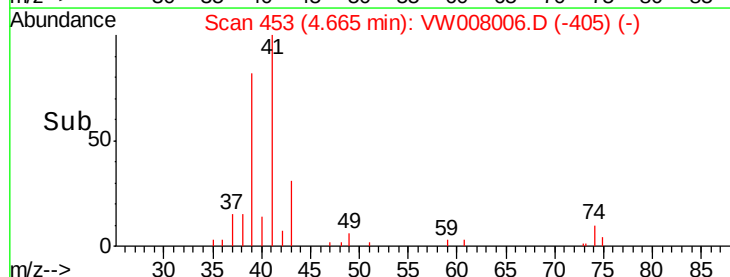
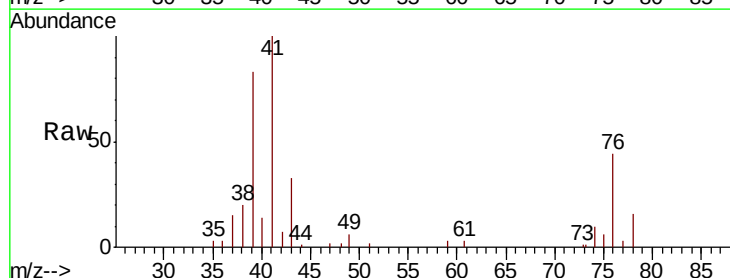
Manual Integrations
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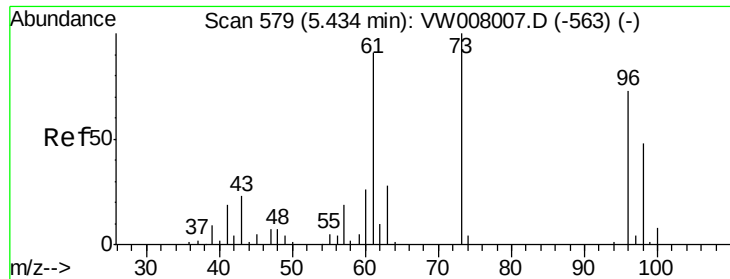
MMDadoda
1/3/2019 10:55:23 AM



#18
Methyl Acetate
Concen: 19.825 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion: 43 Resp: 6050
Ion Ratio Lower Upper
43 100
74 29.1 21.4 32.2





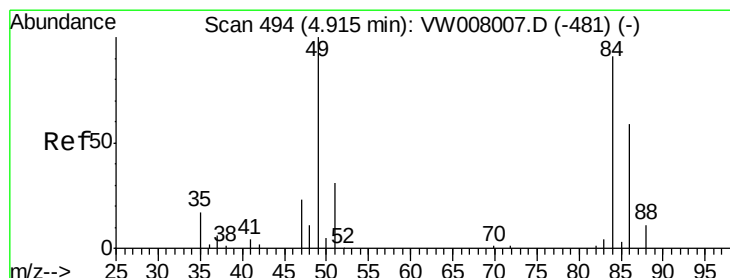
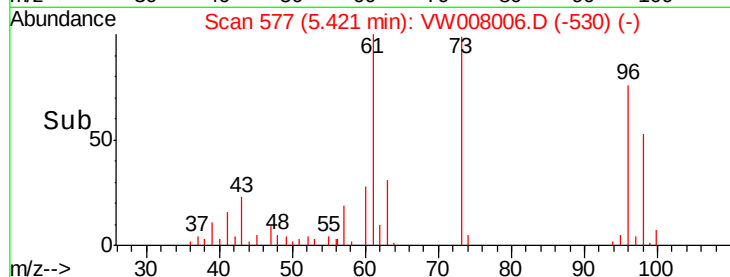
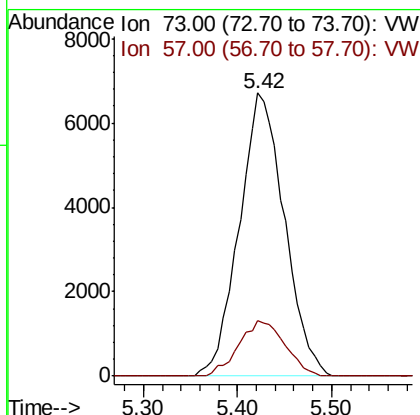
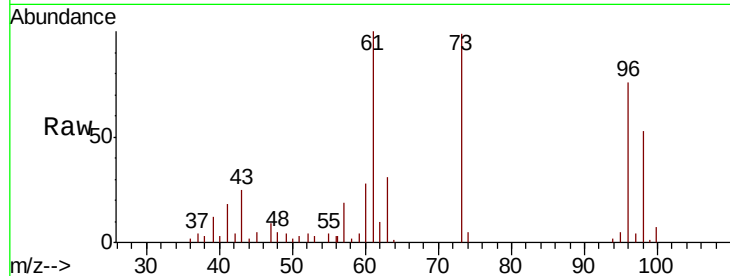
#19
Methyl tert-butyl Ether
Concen: 20.663 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 22439
Ion Ratio Lower Upper
73 100
57 19.4 15.4 23.0

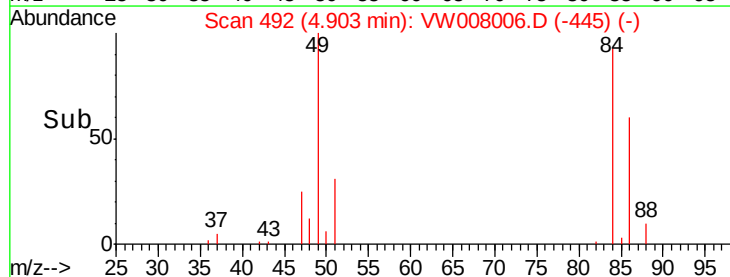
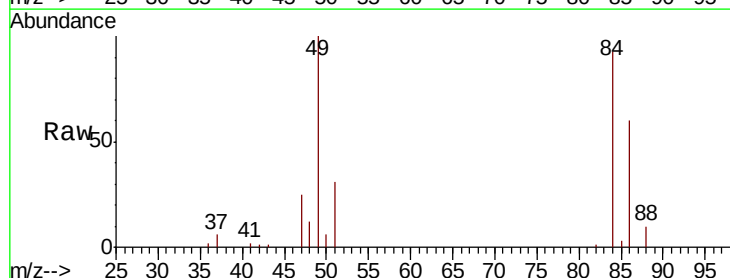
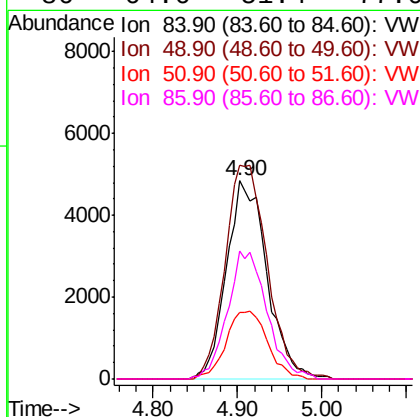
Manual Integrations
APPROVED

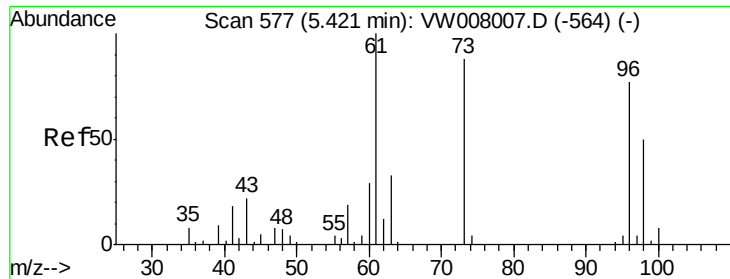
MMDadoda
1/3/2019 10:55:23 AM



#20
Methylene Chloride
Concen: 19.494 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion: 84 Resp: 15822
Ion Ratio Lower Upper
84 100
49 107.9 87.7 131.5
51 33.4 27.3 40.9
86 64.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.914 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

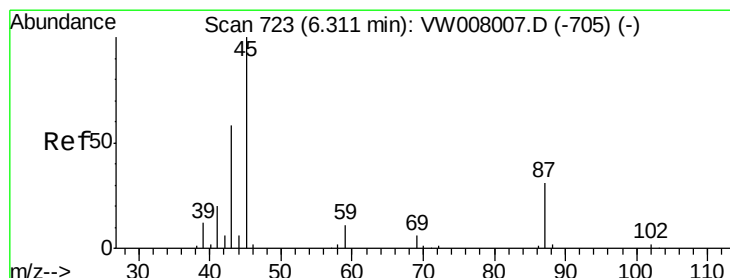
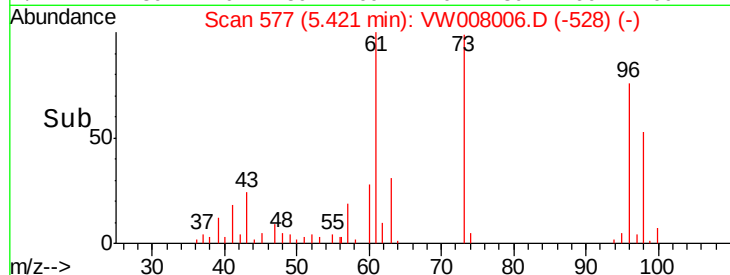
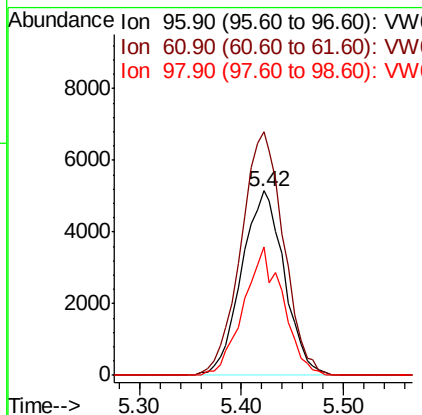
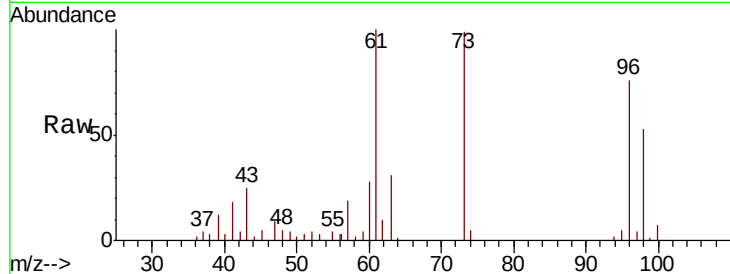
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	14951
Ion	Ratio	Lower	Upper
96	100		
61	132.1	104.2	156.2
98	69.8	51.8	77.6

Manual Integrations
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1/3/2019 10:55:23 AM



#22

Diisopropyl ether

Concen: 20.407 ug/l

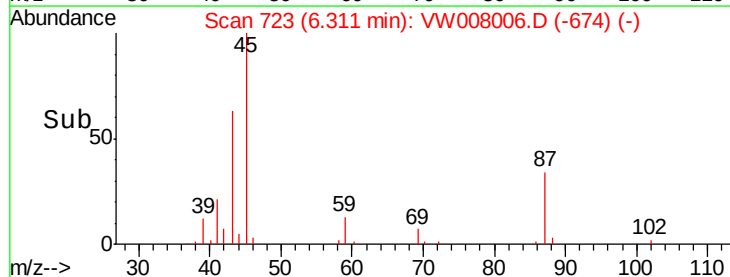
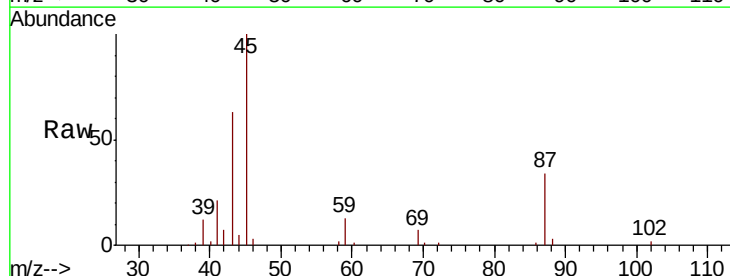
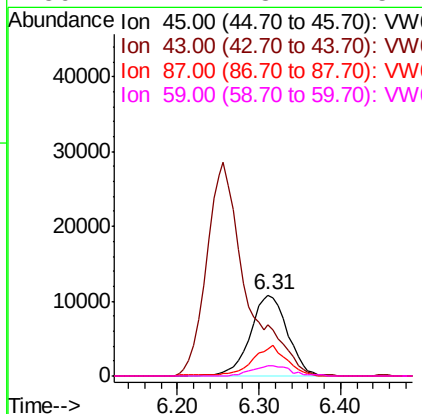
RT: 6.31 min Scan# 723

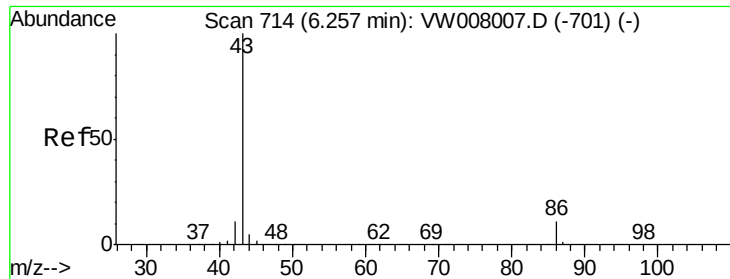
Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Tgt Ion:	45	Resp:	34241
Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.1	72.1
87	33.8	25.8	38.8
59	12.7	8.7	13.1





#23

Vinyl Acetate

Concen: 103.124 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 96813

Ion Ratio Lower Upper

43 100

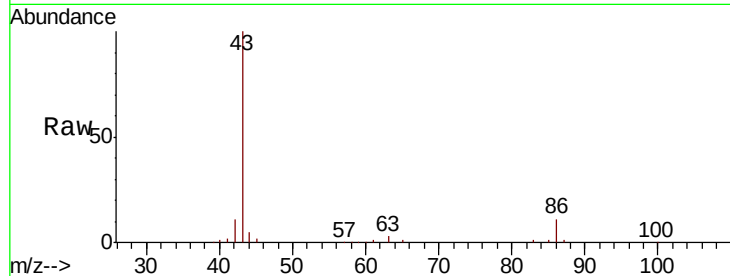
86 10.9 8.8 13.2

Manual Integrations

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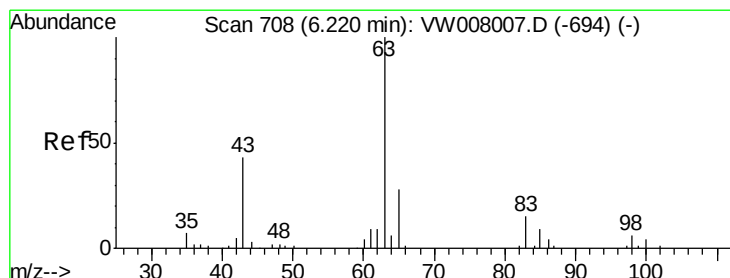
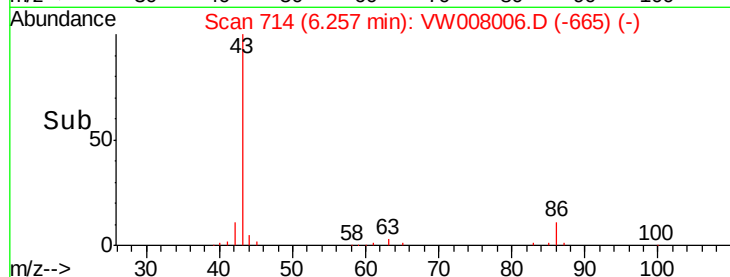
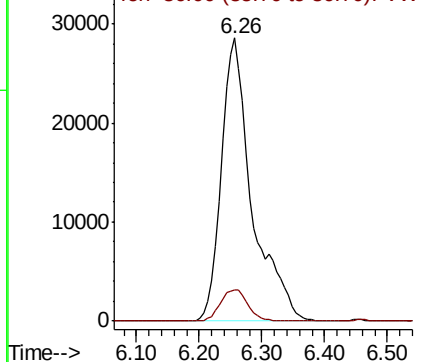
MMDadoda

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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: 20.330 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

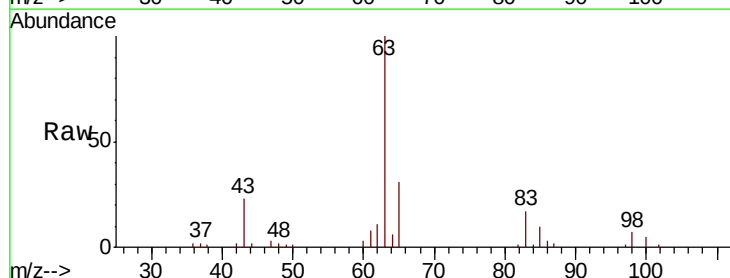
Tgt Ion: 63 Resp: 25346

Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

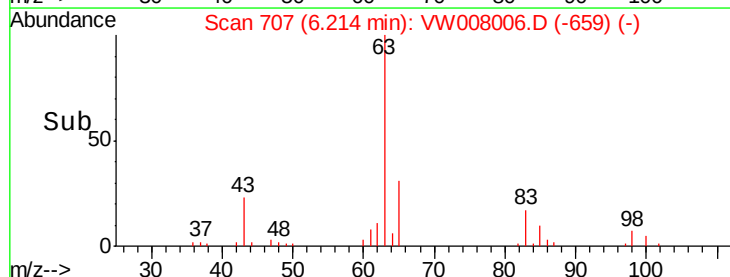
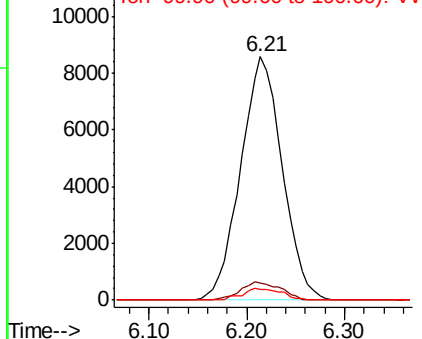
100 4.6 2.1 6.2

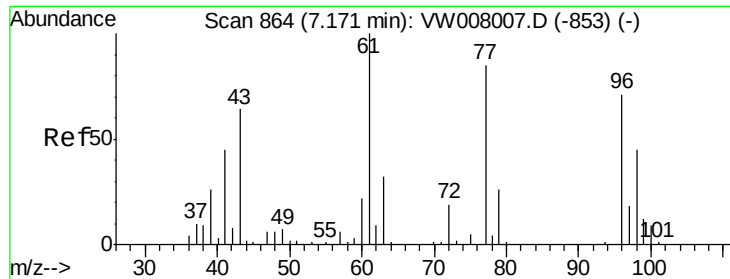


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 100.314 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 13908

Ion Ratio Lower Upper

43 100

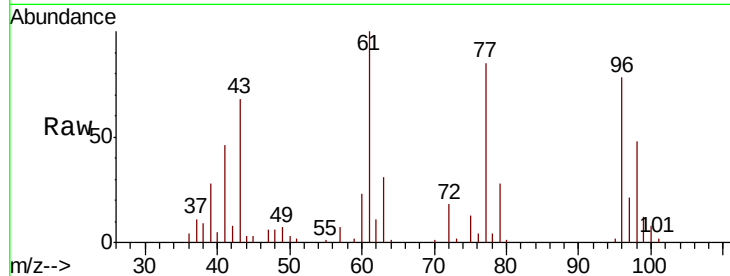
72 25.7 23.8 35.8

Manual Integrations

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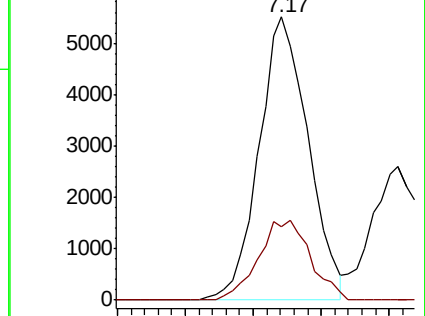
MMDadoda

1/3/2019 10:55:23 AM

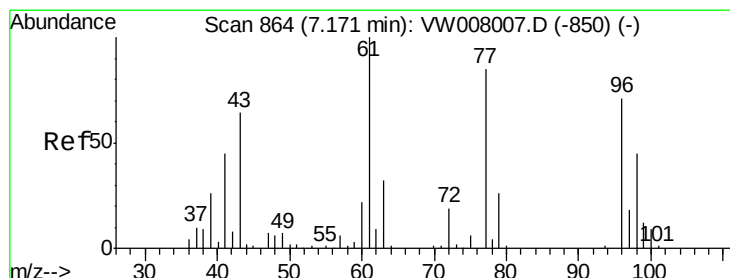
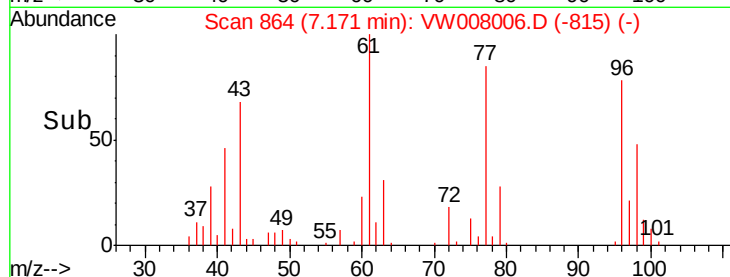


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time--> 7.05 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 20.459 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008006.D

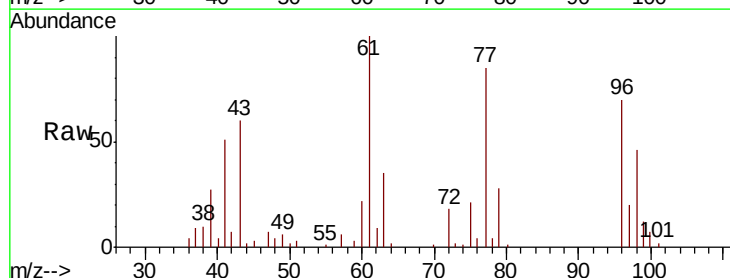
Acq: 02 Jan 2019 13:45

Tgt Ion: 77 Resp: 21014

Ion Ratio Lower Upper

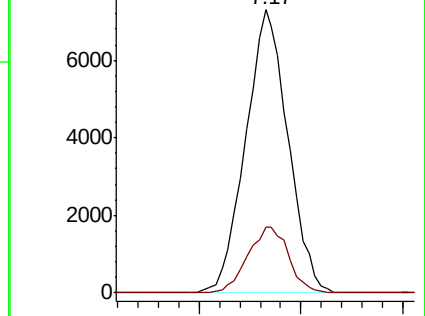
77 100

97 22.4 11.0 33.0

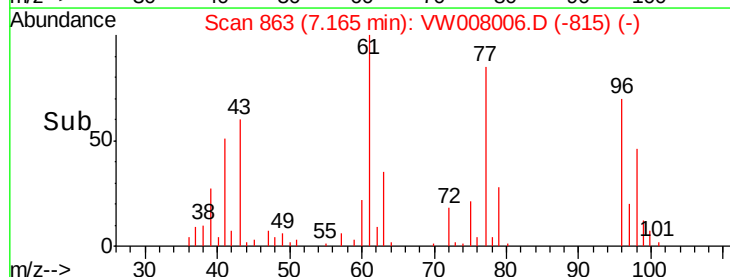


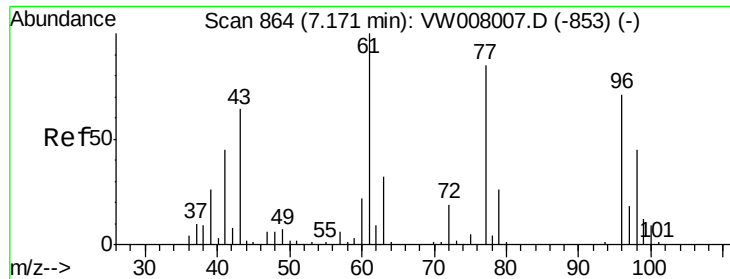
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time--> 7.10 7.20





#27

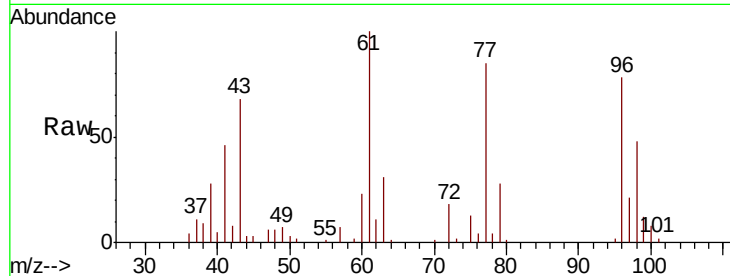
cis-1,2-Dichloroethene
Concen: 20.362 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

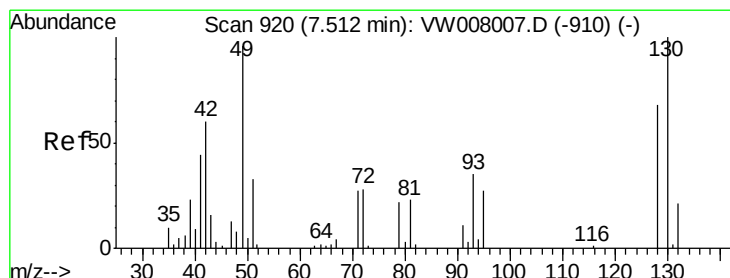
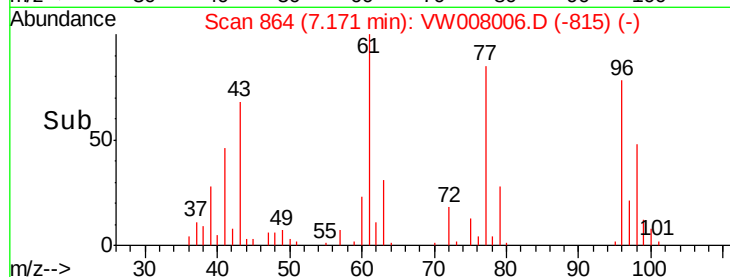
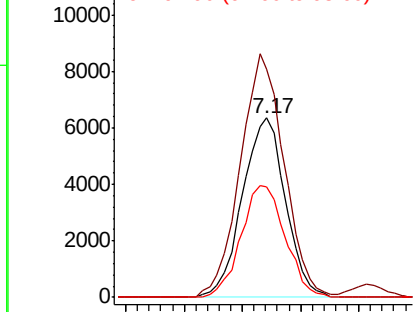
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	286.4
98	63.7	0.0	130.6

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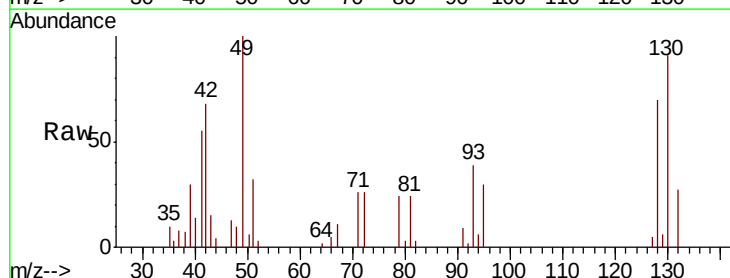
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



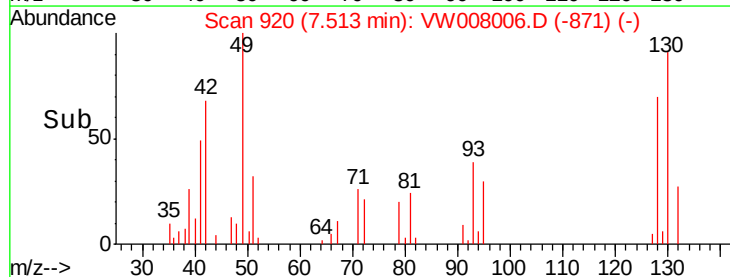
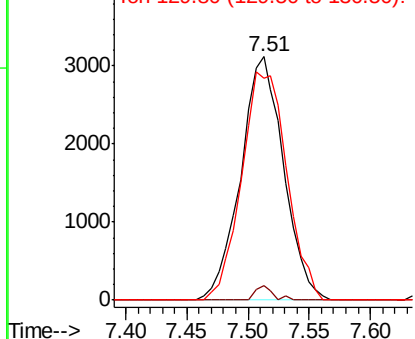
#28

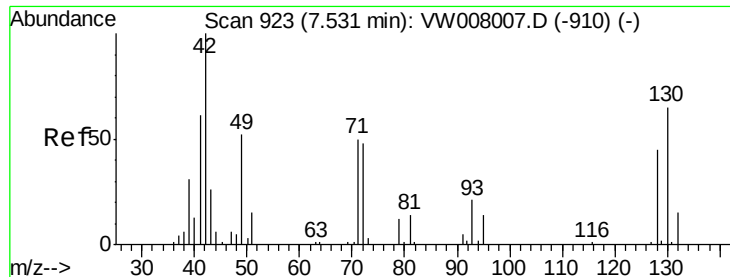
Bromochloromethane
Concen: 18.959 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	0.8#
130	98.7	78.5	117.7



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





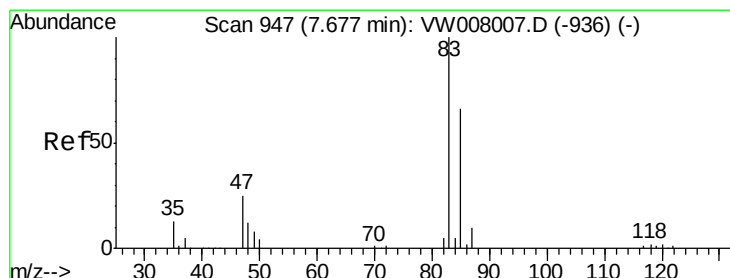
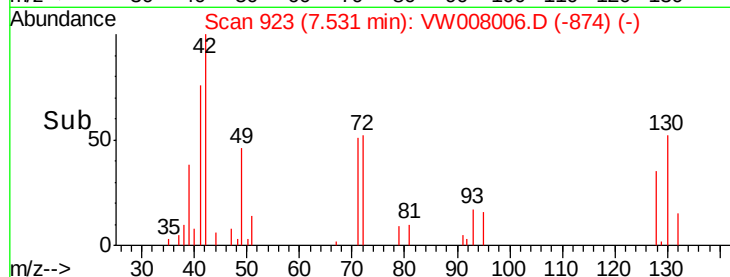
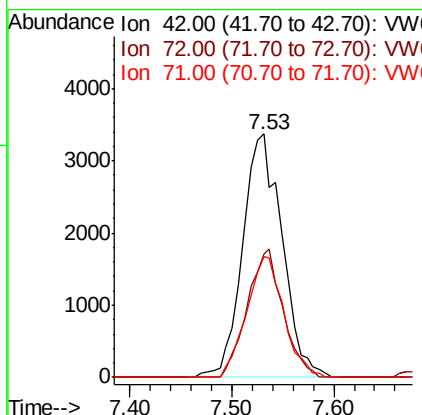
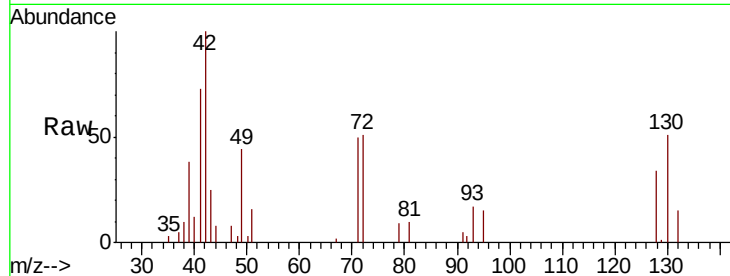
#29
Tetrahydrofuran
Concen: 104.820 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	39.0	58.6
71	47.0	39.1	58.7

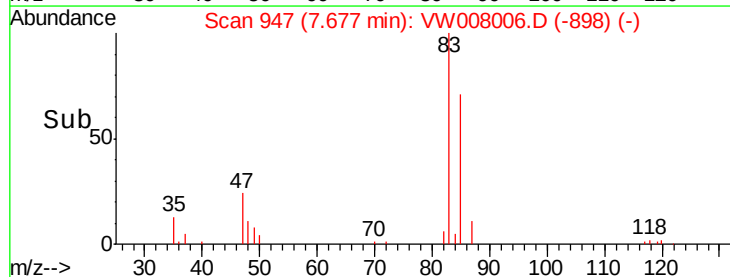
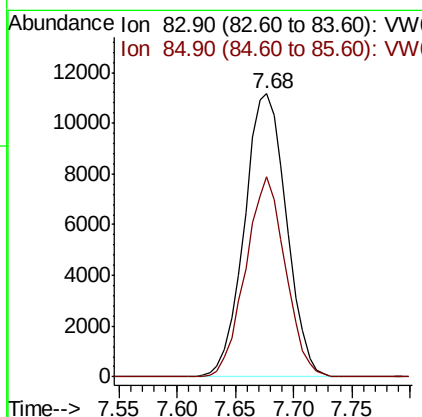
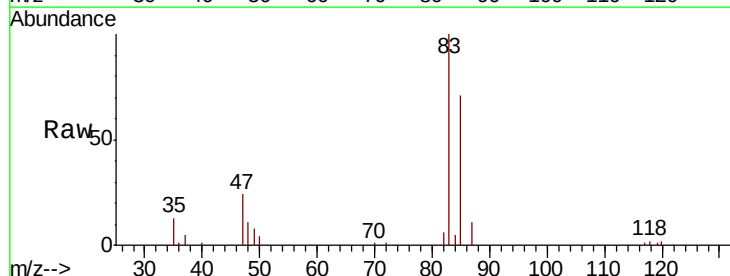
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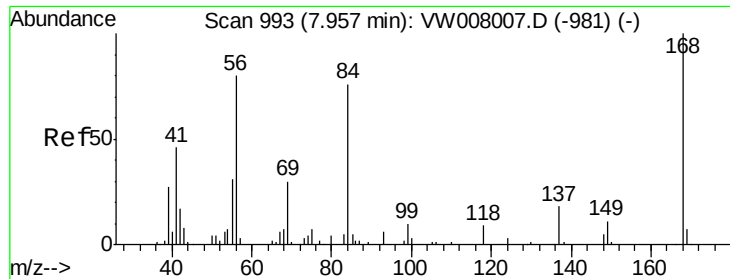
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#30
Chloroform
Concen: 19.997 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.6	52.7	79.1





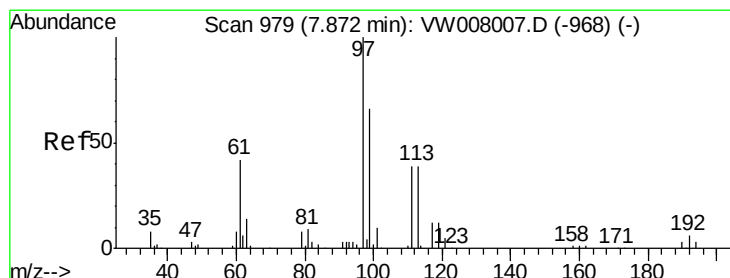
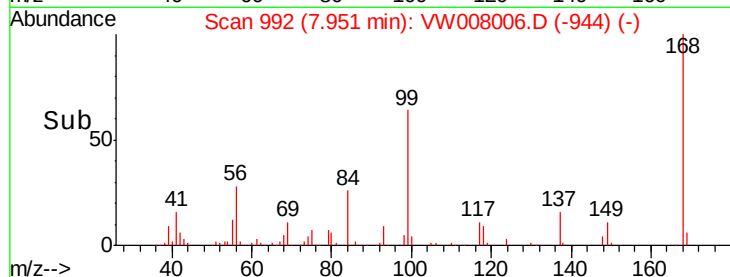
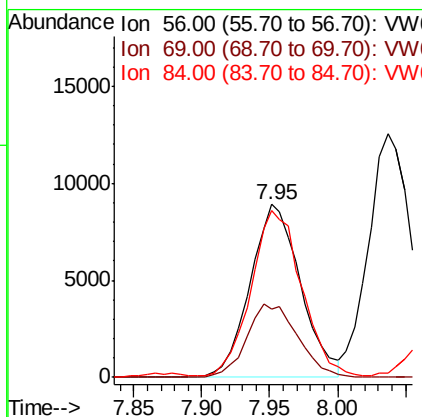
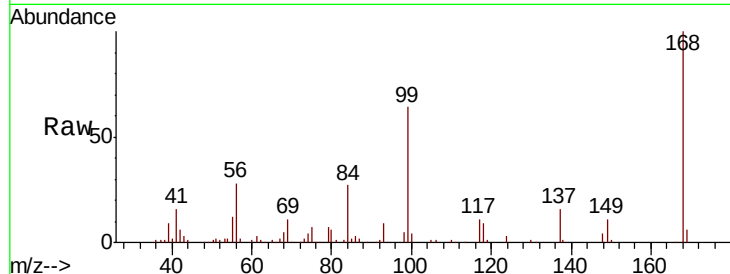
#31
Cyclohexane
Concen: 19.832 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	56.00	Resp	23045
Ion Ratio	100	Lower	Upper
56	100		
69	39.6	29.8	44.6
84	95.4	75.2	112.8

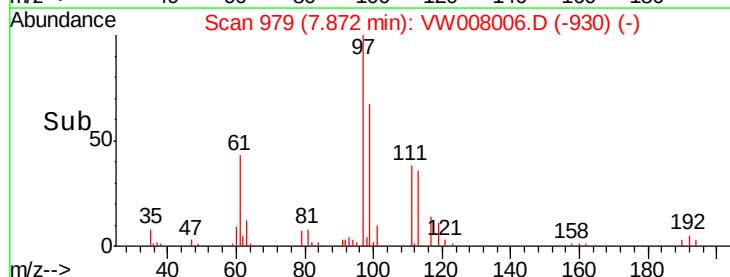
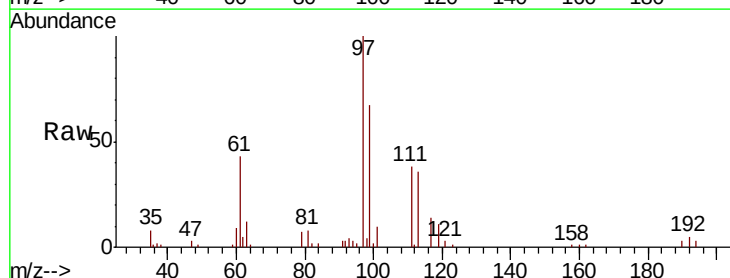
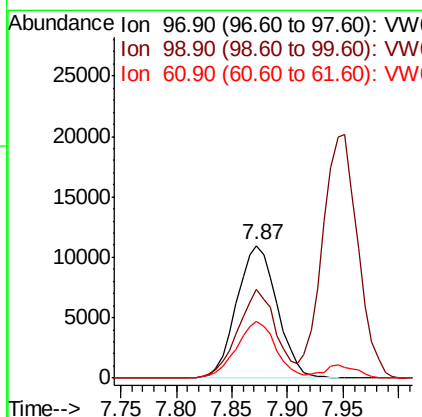
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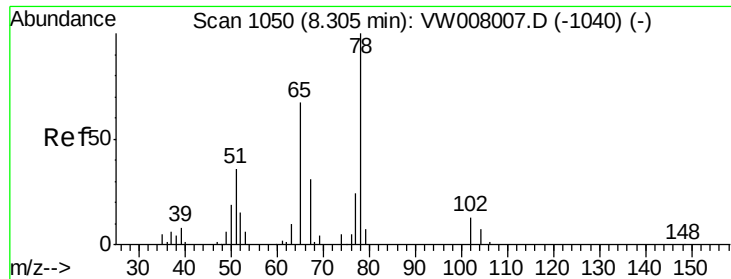
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.693 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	97	Resp	27666
Ion Ratio	100	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	41.8	33.4	50.0





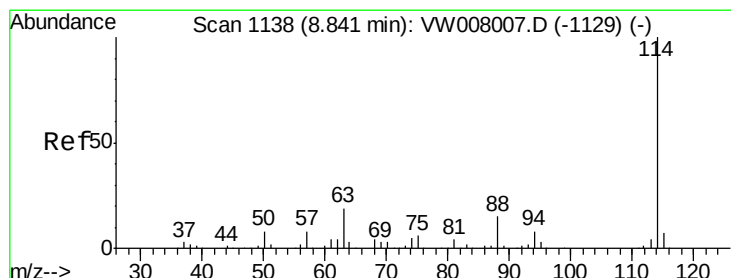
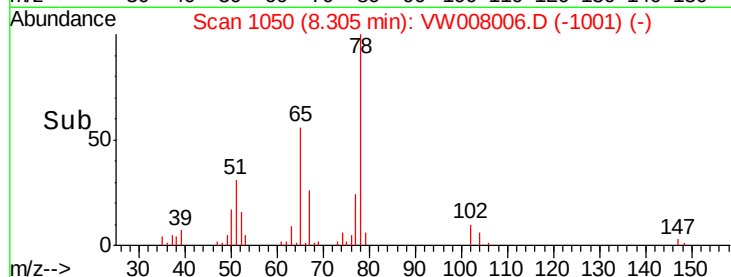
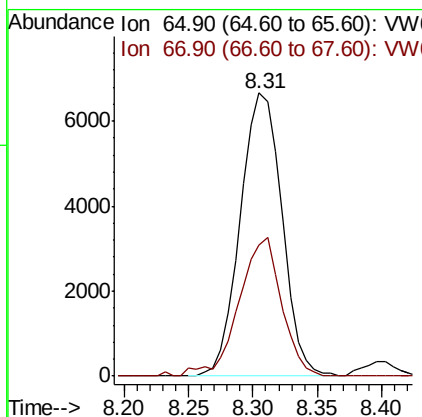
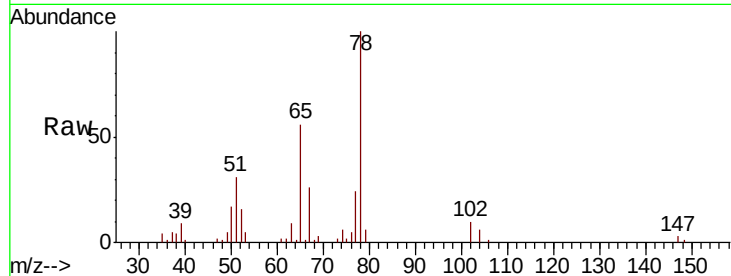
#33
 1,2-Dichloroethane-d4
 Concen: 19.693 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	94.8

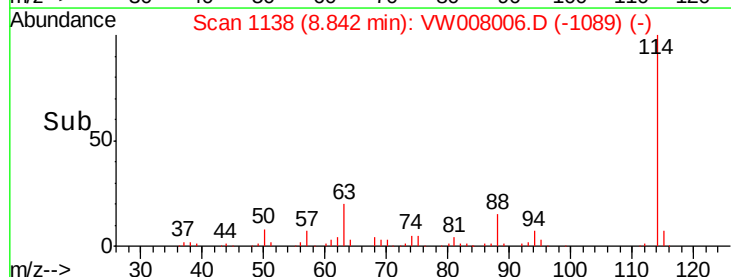
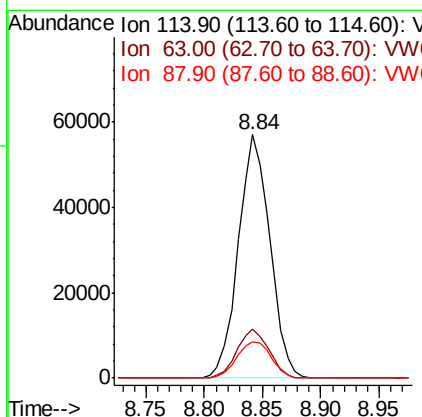
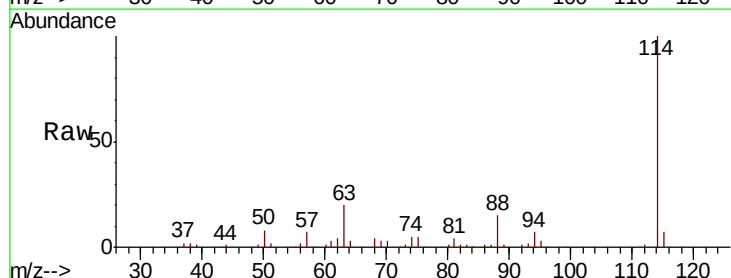
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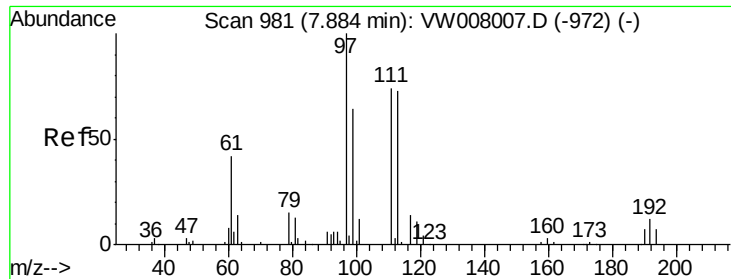
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	37.8
88	15.0	0.0	31.0





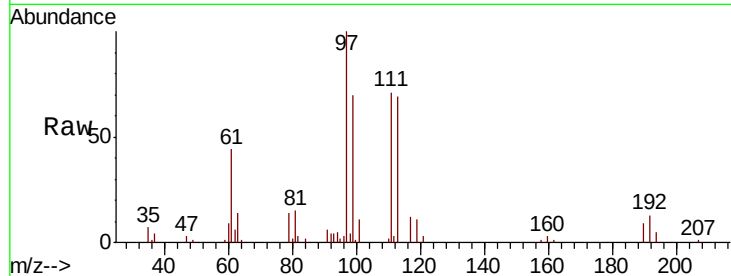
#35
Dibromofluoromethane
Concen: 18.989 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

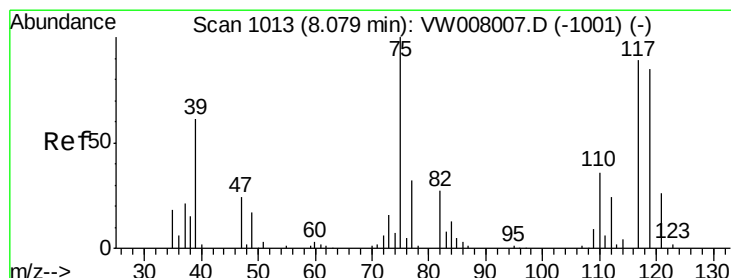
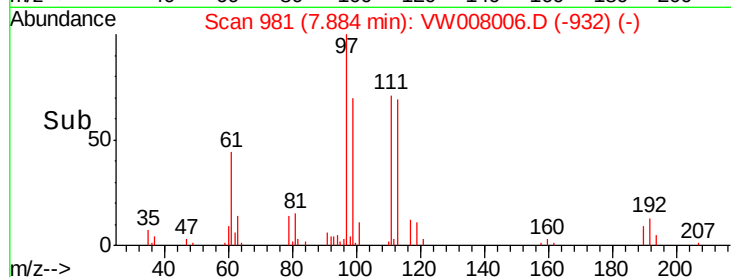
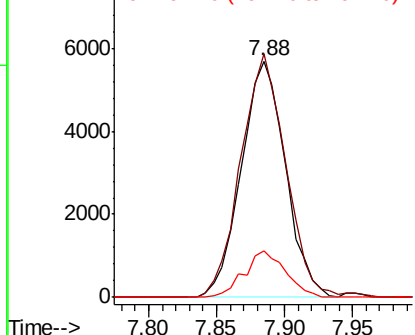
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.6	81.4	122.0
192	18.5	14.8	22.2

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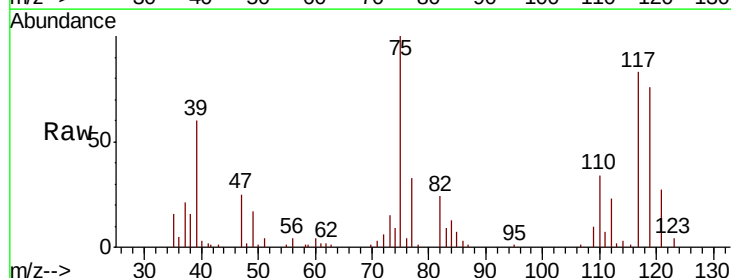


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

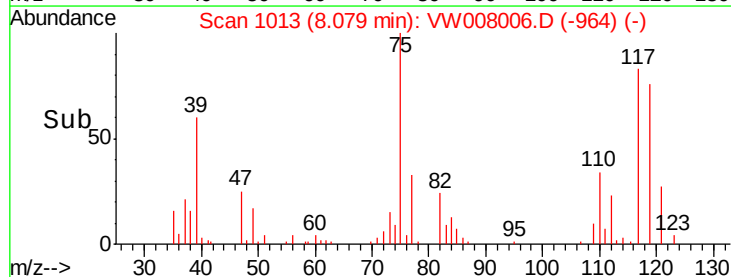
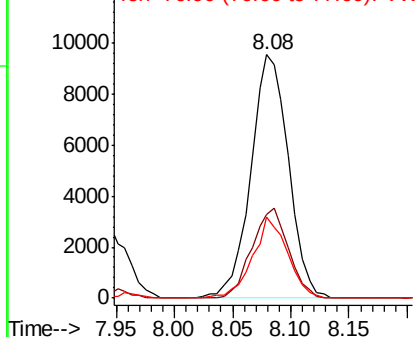


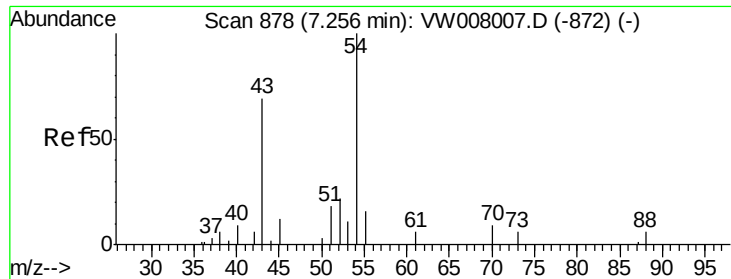
#36
1,1-Dichloropropene
Concen: 20.178 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.3
77	30.7	25.3	37.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





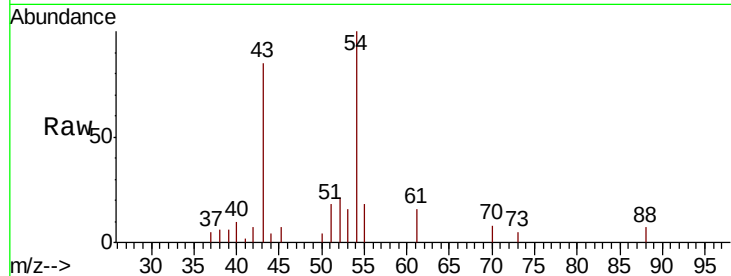
#37
Ethyl Acetate
Concen: 20.826 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.4	17.2
70	10.6	9.4	14.0

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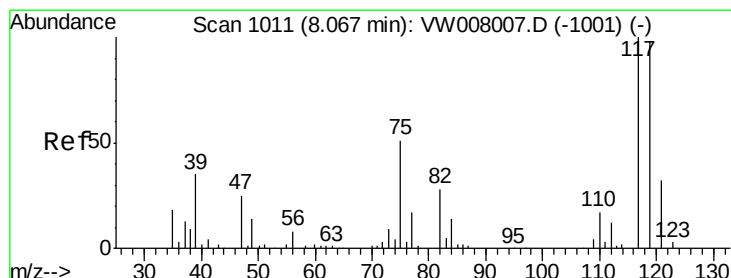
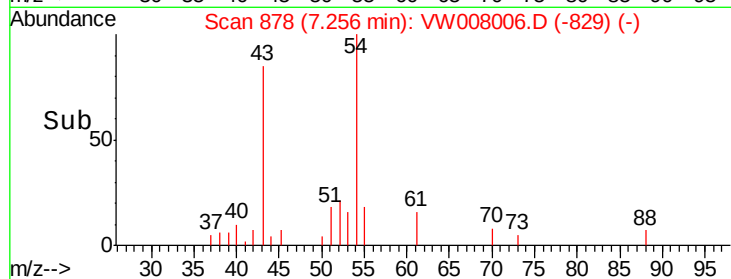
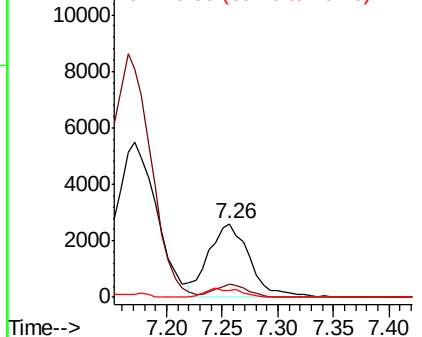


Abundance

Ion 43.00 (42.70 to 43.70): VW

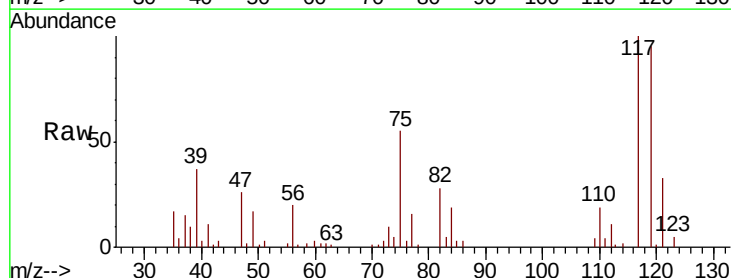
Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38
Carbon Tetrachloride
Concen: 19.994 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.7	118.1
121	32.8	25.8	38.8

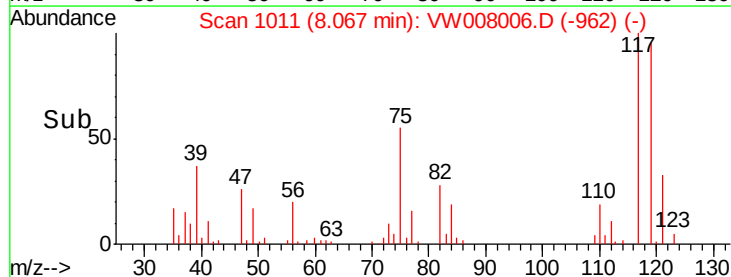
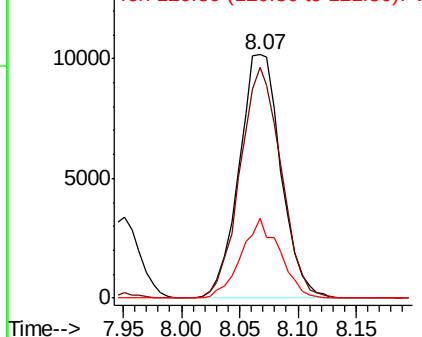


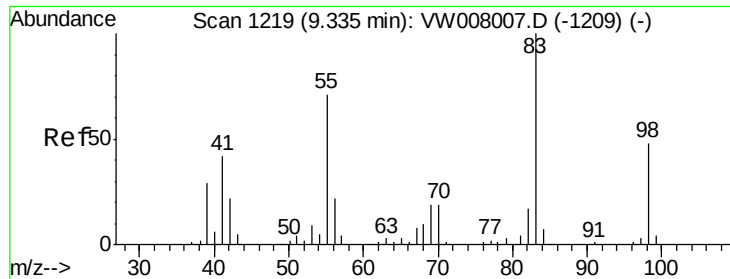
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





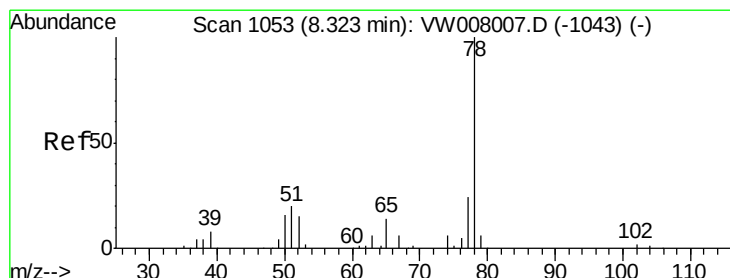
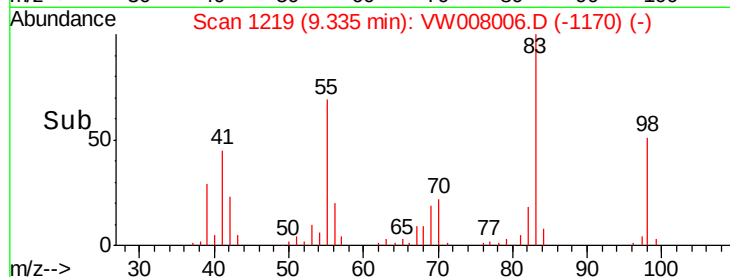
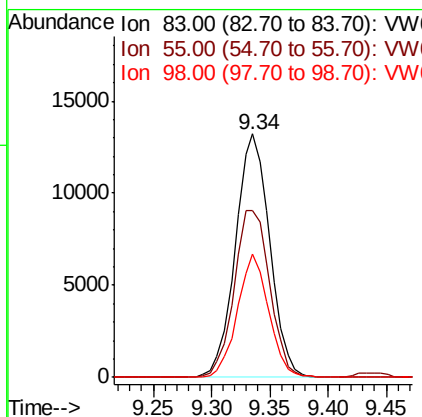
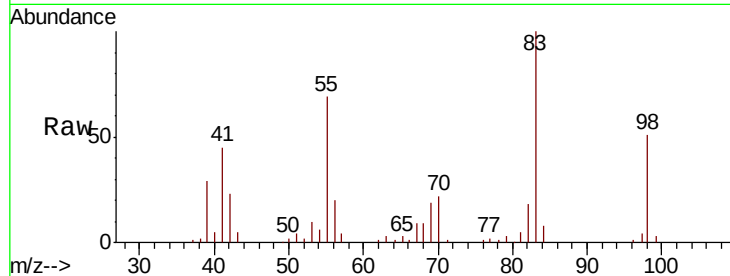
#39
Methylvlcyclohexane
Concen: 20.397 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.7	56.8	85.2
98	50.7	38.6	58.0

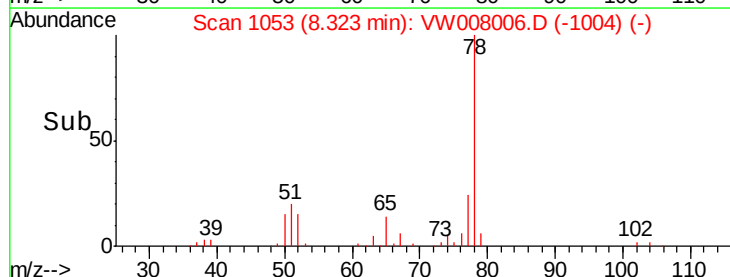
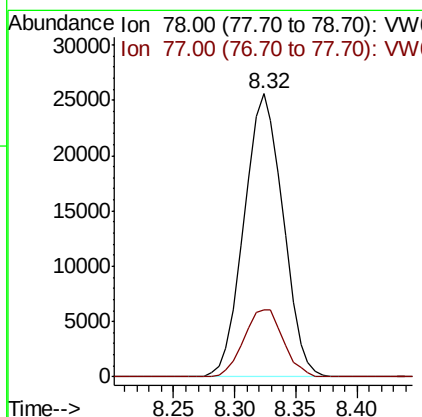
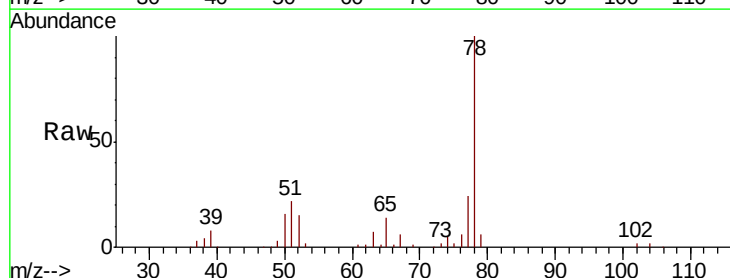
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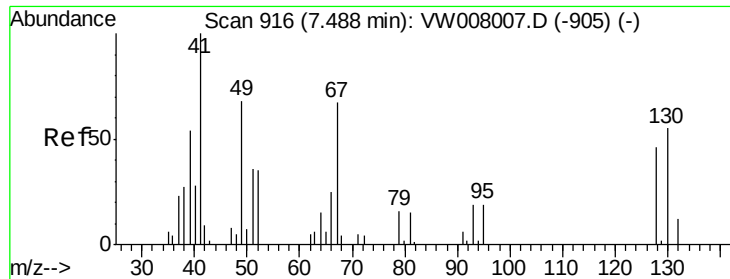
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#40
Benzene
Concen: 20.192 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41

Methacrylonitrile

Concen: 18.915 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 41 Resp: 3728

Ion Ratio Lower Upper

41 100

39 60.6 48.6 72.8

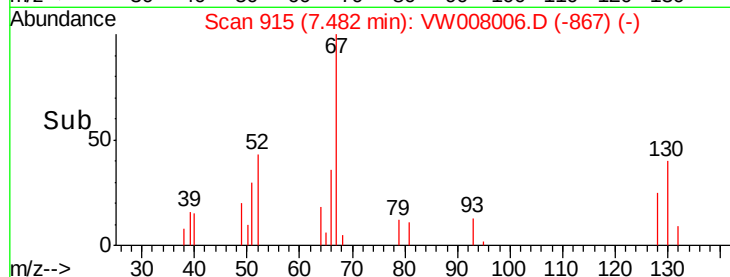
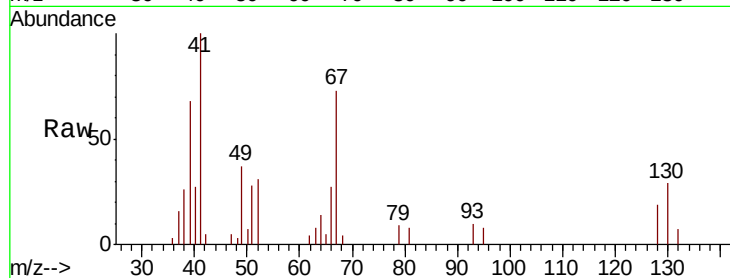
67 82.4 55.6 83.4

52 36.5 25.9 38.9

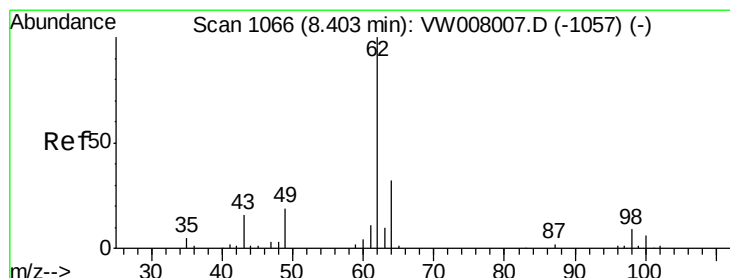
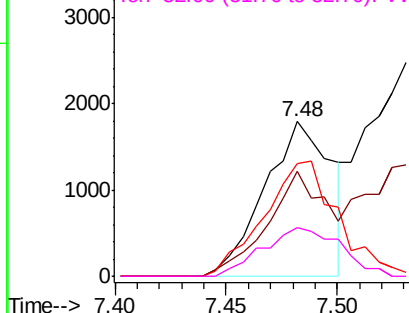
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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.946 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW008006.D

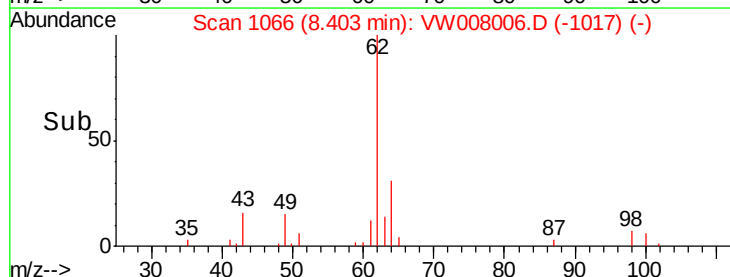
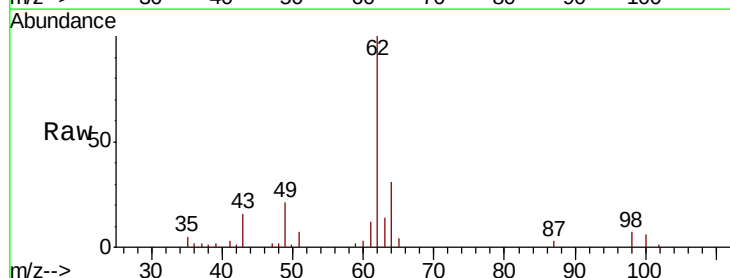
Acq: 02 Jan 2019 13:45

Tgt Ion: 62 Resp: 18670

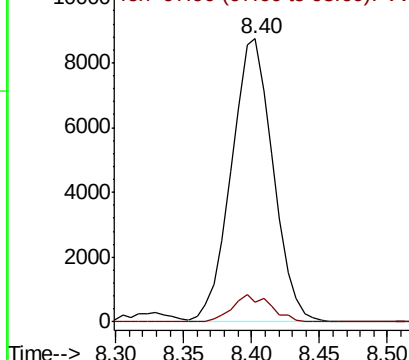
Ion Ratio Lower Upper

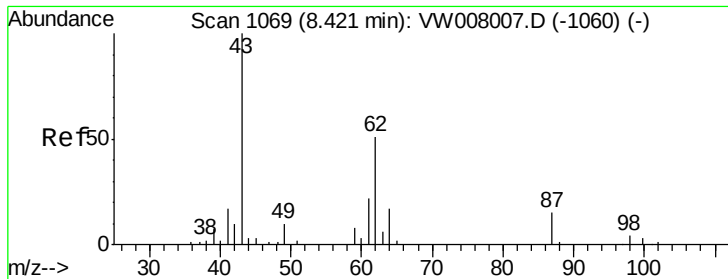
62 100

98 8.9 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.880 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

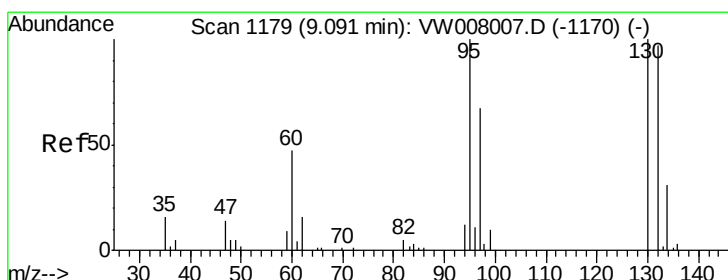
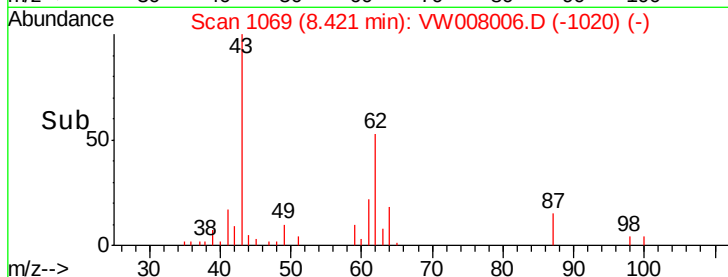
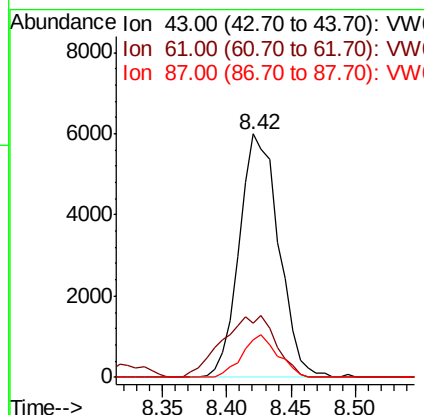
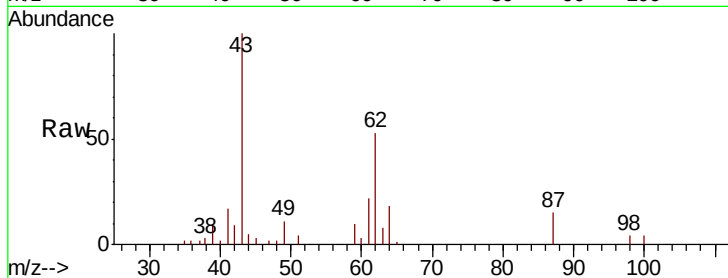
ClientSampled :

VSTDIC020

Tot Ion:	43	Resp:	12706
Ion	Ratio	Lower	Upper
43	100		
61	34.3	26.4	39.6
87	15.8	12.0	18.0

Manual Integrations
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MMDadoda
1/3/2019 10:55:23 AM



#44

Trichloroethene

Concen: 20.502 ug/l

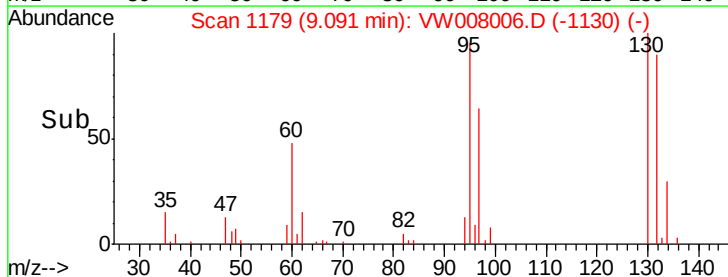
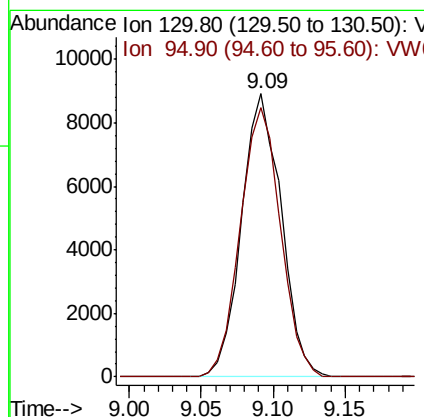
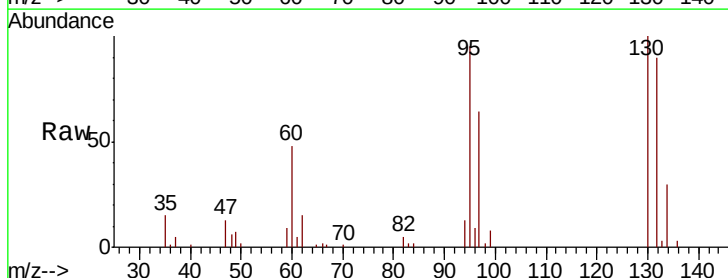
RT: 9.09 min Scan# 1179

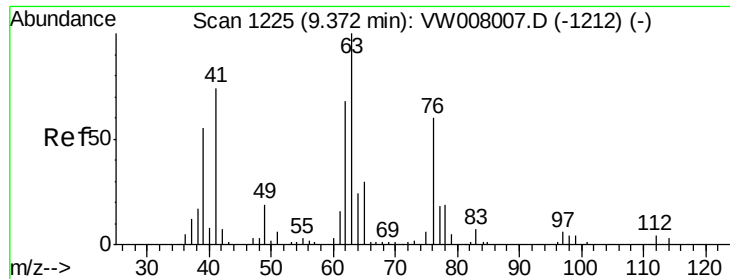
Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Tgt Ion:	130	Resp:	16997
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	200.0





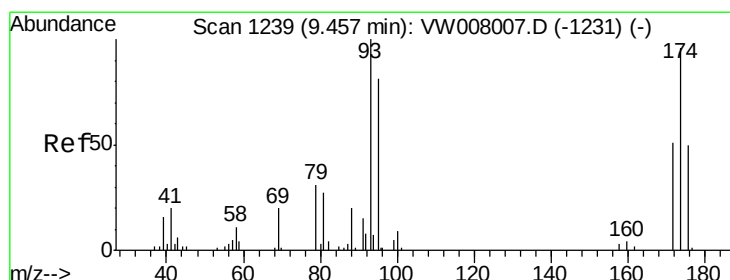
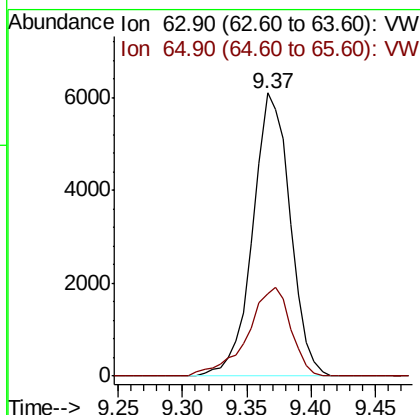
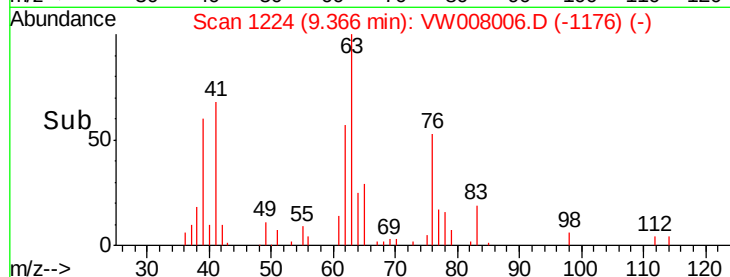
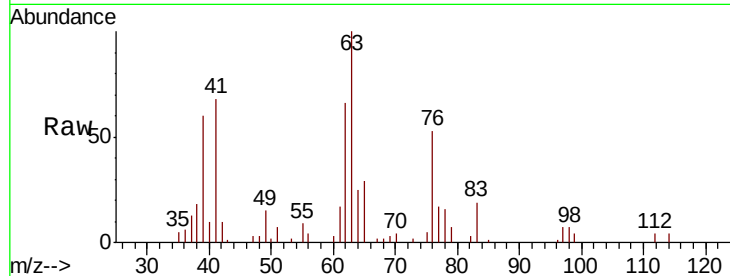
#45
 1,2-Dichloropropane
 Concen: 20.123 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.2	36.4

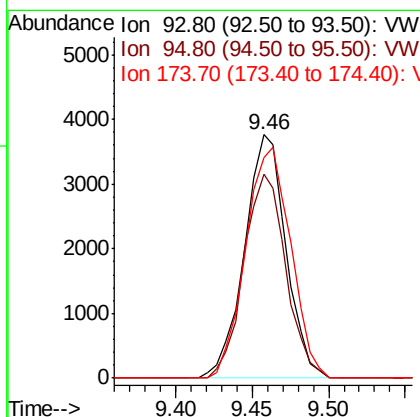
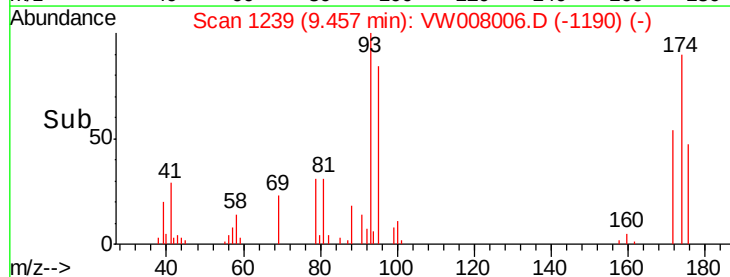
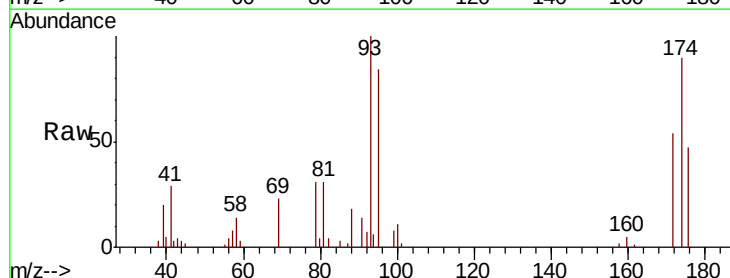
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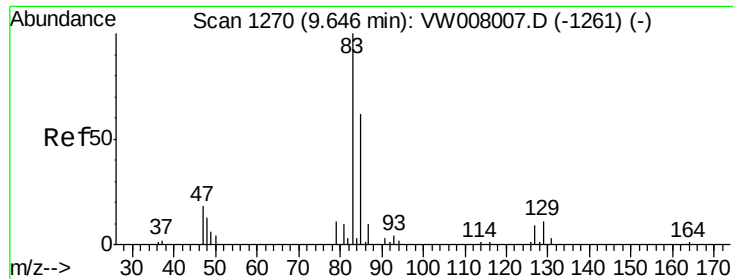
MMDadoda
 1/3/2019 10:55:23 AM



#46
 Dibromomethane
 Concen: 19.911 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	63.9	95.9
174	102.6	79.0	118.6





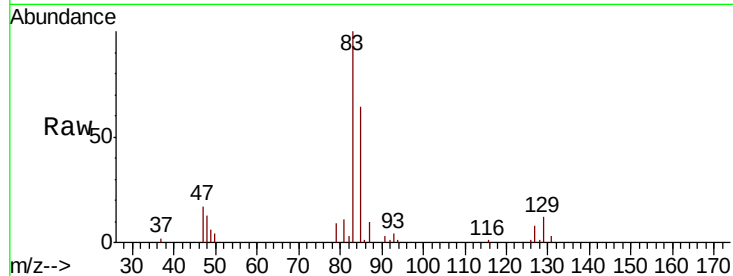
#47
Bromodichloromethane
Concen: 20.421 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	20335		
85	63.8		49.5	74.3
127	7.8		7.5	11.3

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MMDadoda
1/3/2019 10:55:23 AM

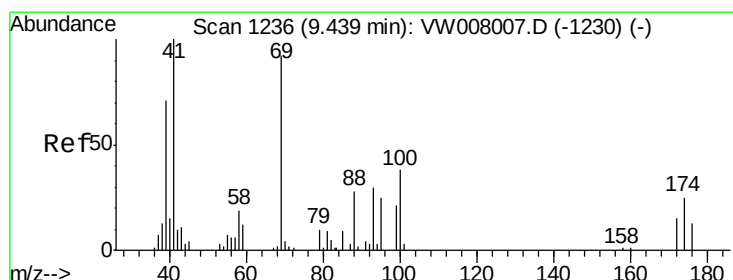
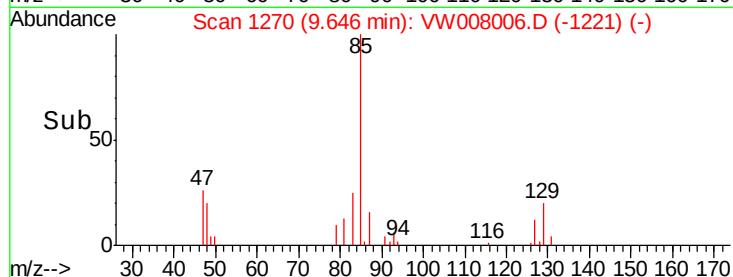
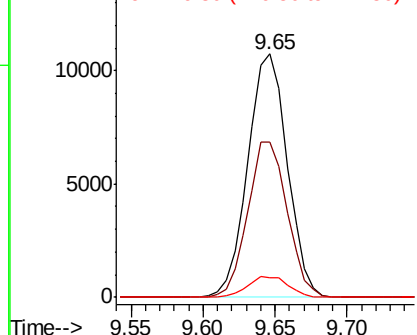


Abundance

Ion 82.90 (82.60 to 83.60): VW

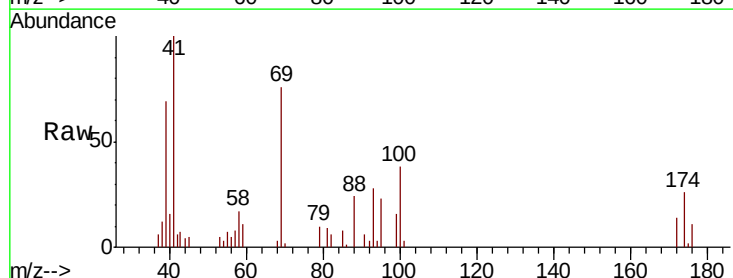
Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48
Methyl methacrylate
Concen: 20.222 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	6517		
69	89.0		72.3	108.5
39	70.5		58.7	88.1

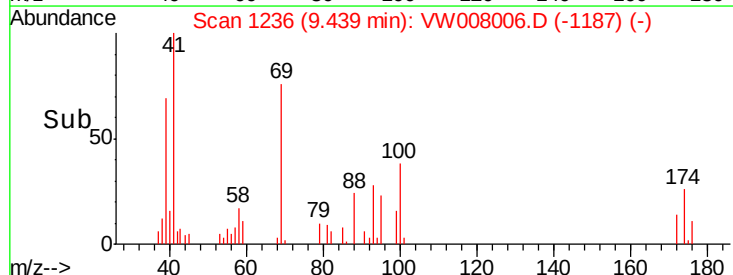
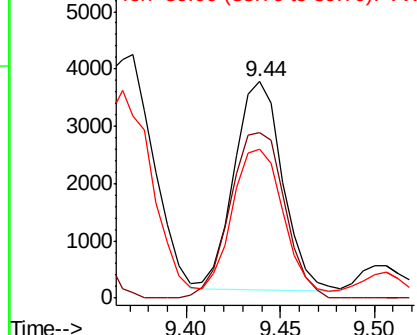


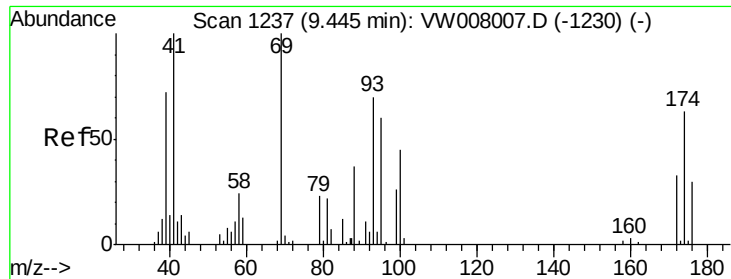
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





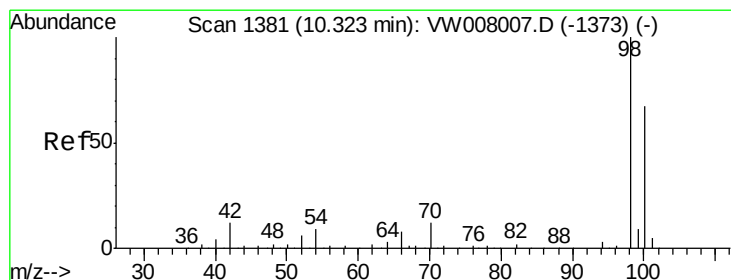
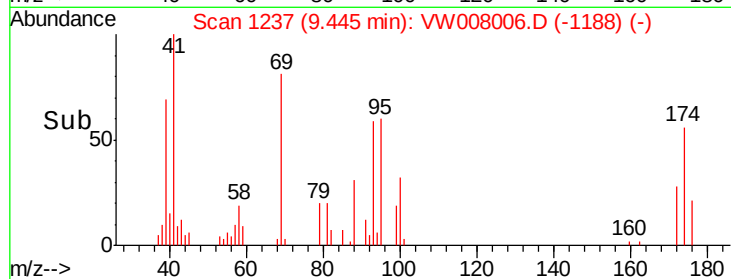
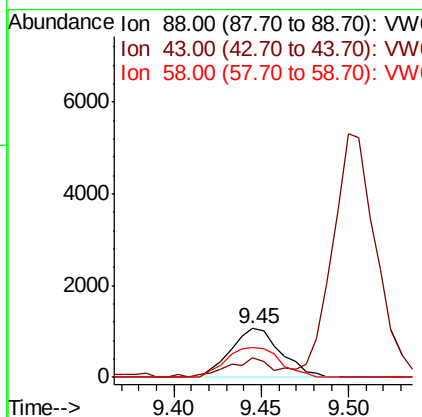
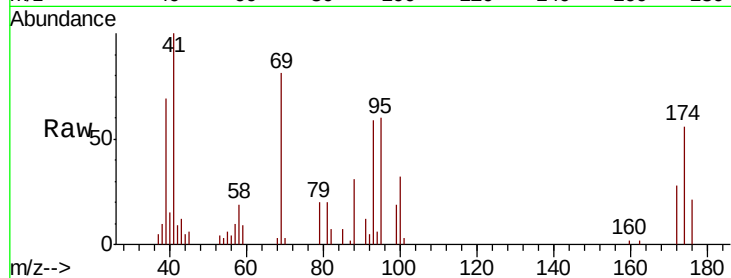
#49
1,4-Dioxane
Concen: 404.649 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	2129
Ion	Ratio	Lower	Upper
88	100		
43	37.9	26.8	40.2
58	65.4	55.8	83.6

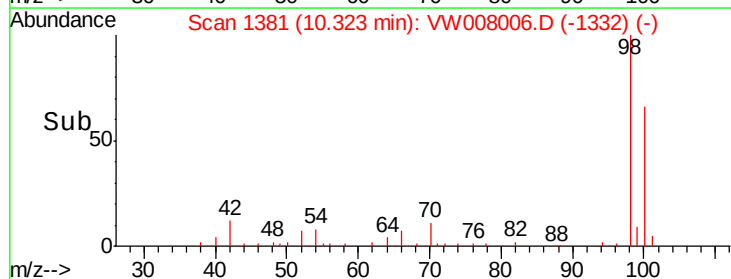
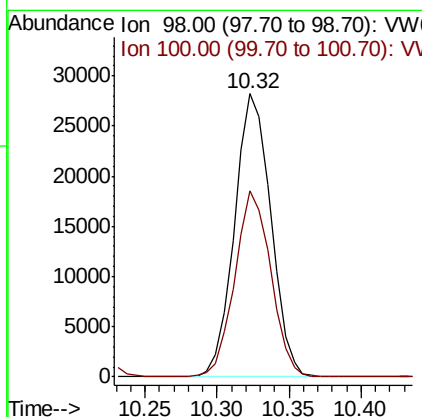
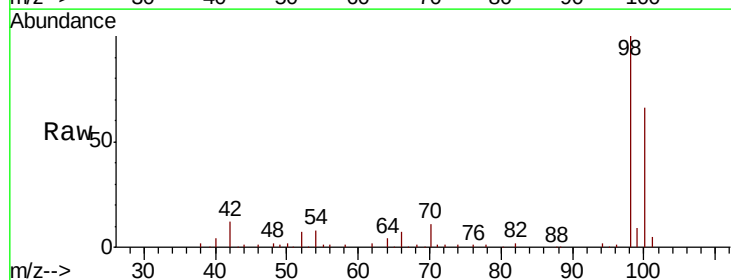
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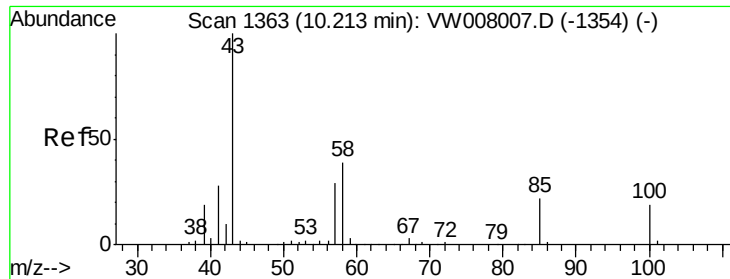
MMDadoda
1/3/2019 10:55:23 AM



#50
Toluene-d8
Concen: 19.398 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	98	Resp	49522
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 101.637 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 30070

Ion Ratio Lower Upper

43 100

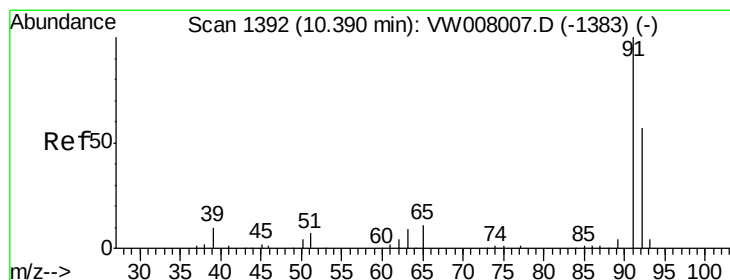
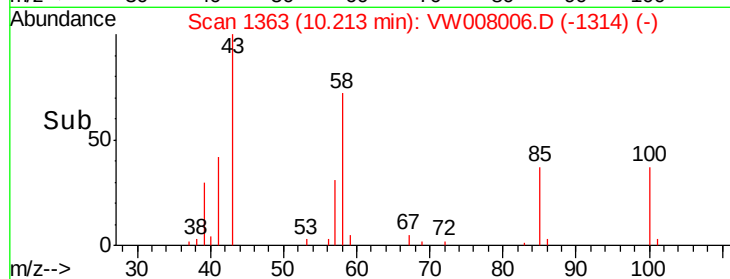
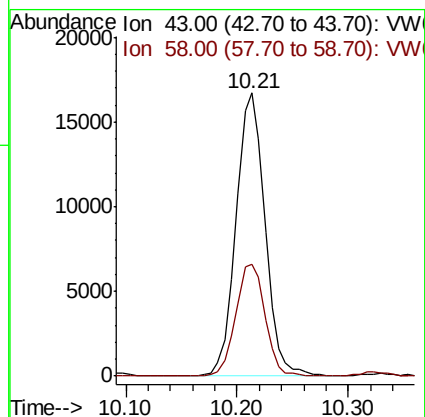
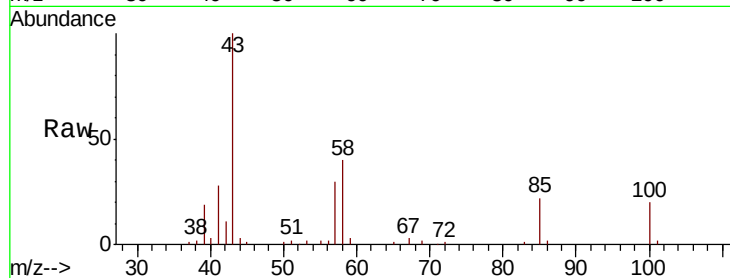
58 39.8 32.0 48.0

Manual Integrations

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MMDadoda

1/3/2019 10:55:23 AM



#52

Toluene

Concen: 20.512 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008006.D

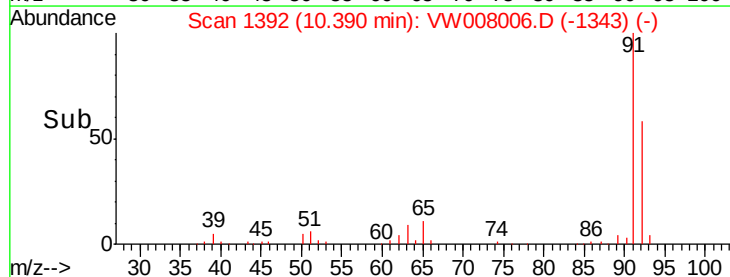
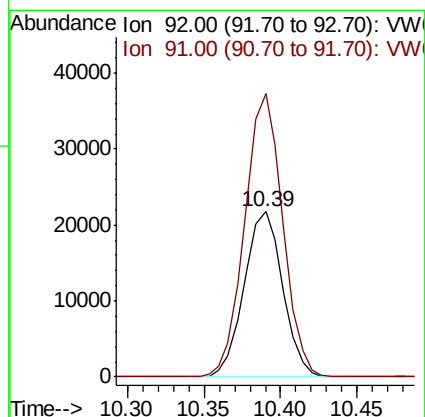
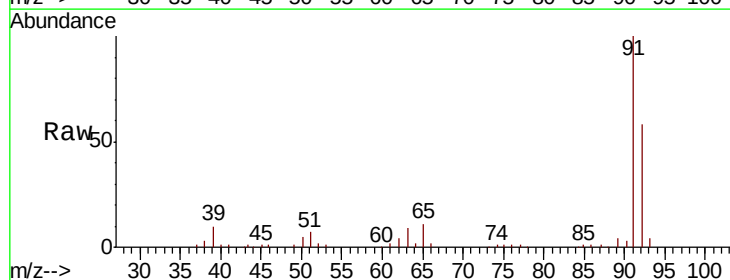
Acq: 02 Jan 2019 13:45

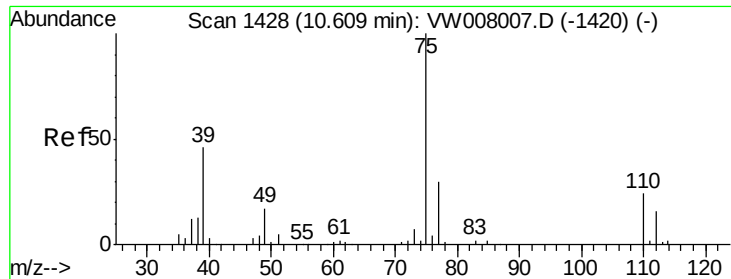
Tgt Ion: 92 Resp: 38044

Ion Ratio Lower Upper

92 100

91 169.1 136.9 205.3





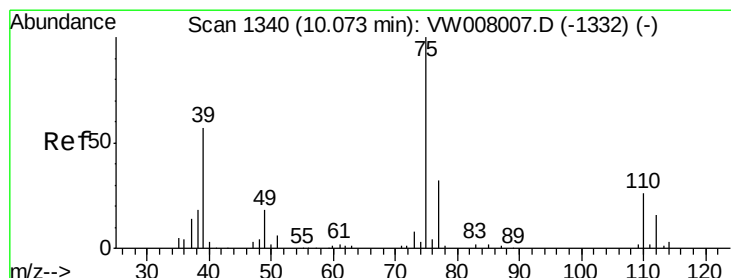
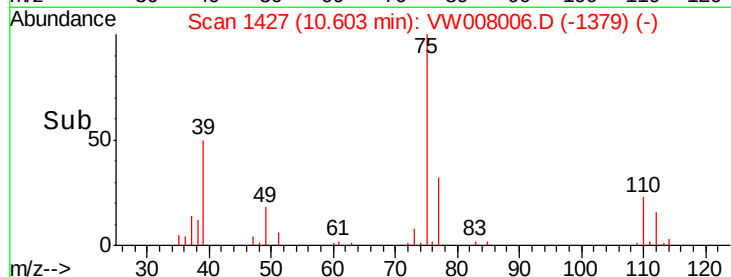
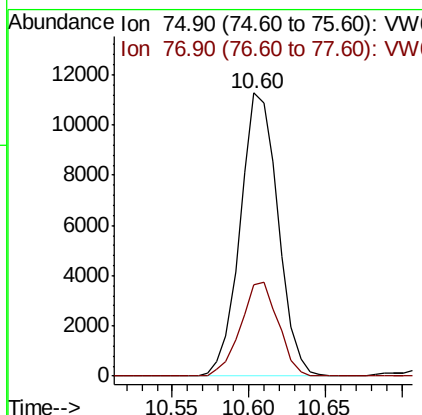
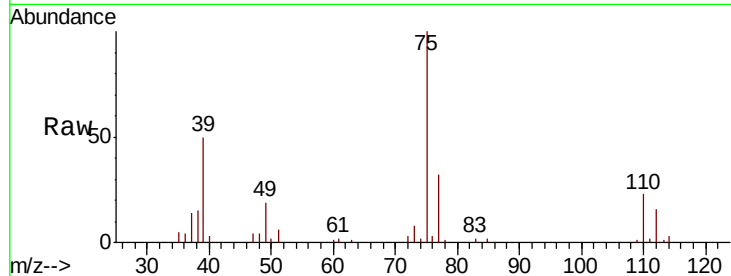
#53
t-1,3-Dichloropropene
Concen: 20.200 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 19342
Ion Ratio Lower Upper
75 100
77 32.1 24.0 36.0

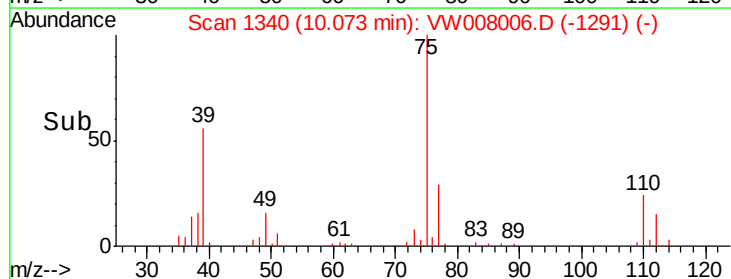
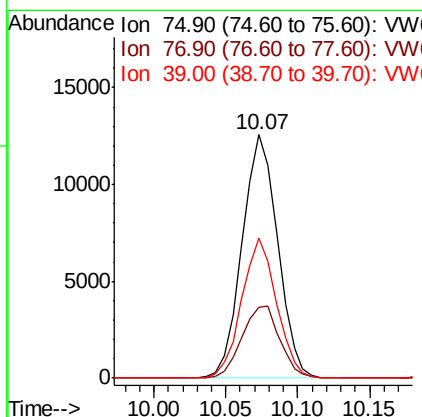
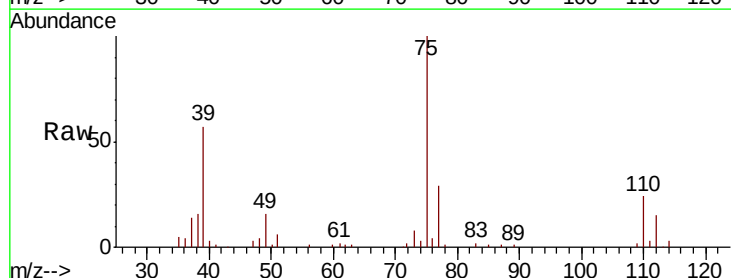
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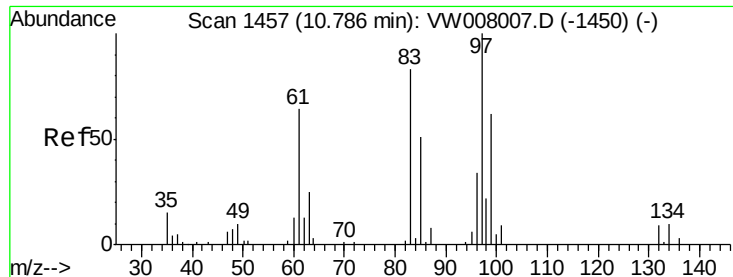
MMDadoda
1/3/2019 10:55:23 AM



#54
cis-1,3-Dichloropropene
Concen: 20.130 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion: 75 Resp: 21509
Ion Ratio Lower Upper
75 100
77 29.2 25.9 38.9
39 57.2 45.4 68.0





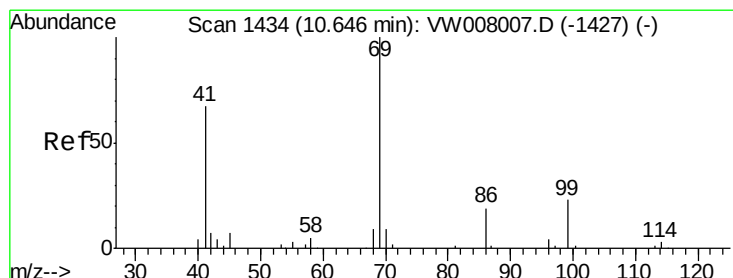
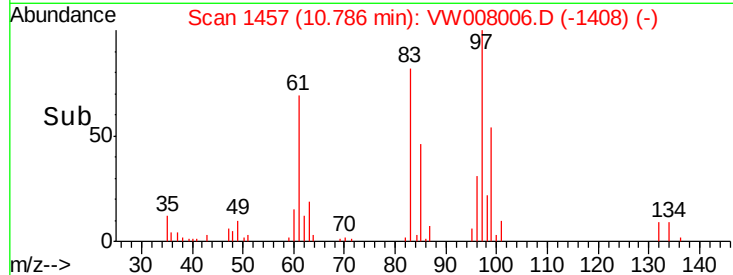
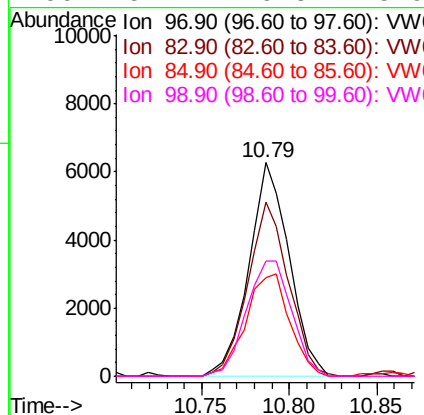
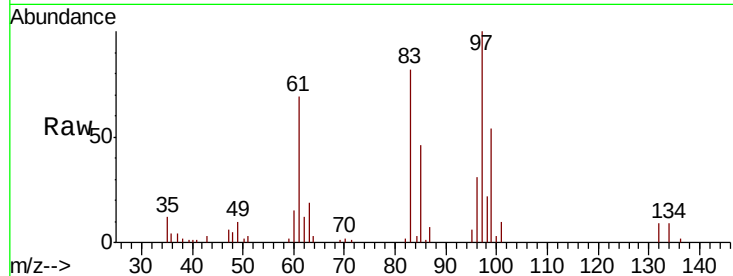
#55
 1,1,2-Trichloroethane
 Concen: 20.776 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	97	Resp	10001
Ion	Ratio	Lower	Upper
97	100		
83	81.6	66.2	99.2
85	46.4	41.0	61.4
99	54.1	49.3	73.9

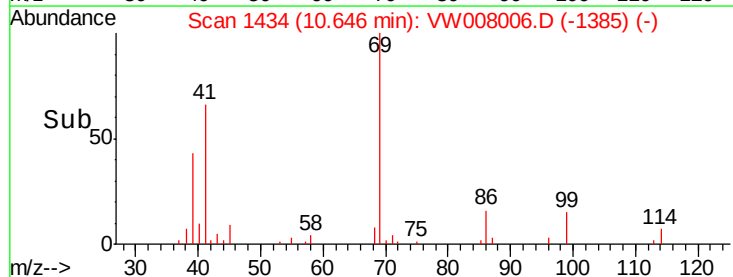
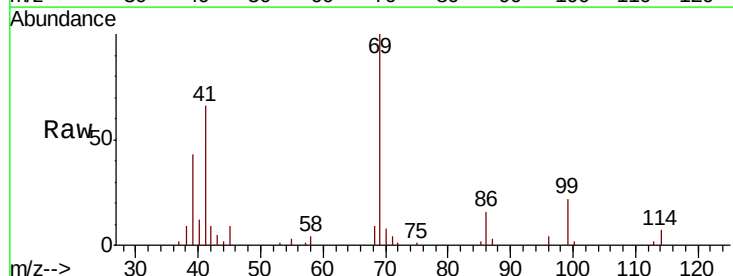
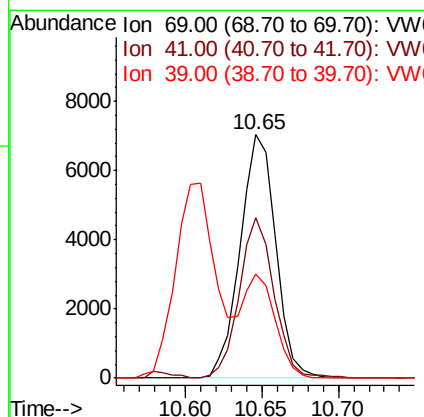
Manual Integrations
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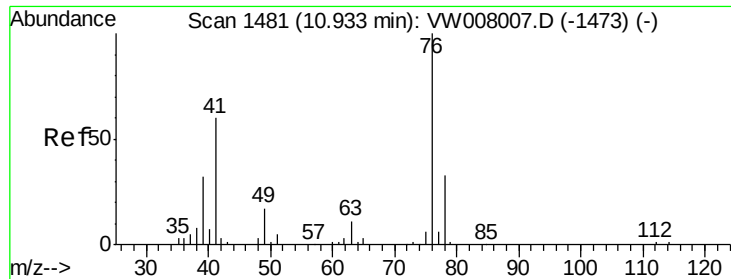
MMDadoda
 1/3/2019 10:55:23 AM



#56
 Ethyl methacrylate
 Concen: 20.822 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion	69	Resp	11331
Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.6	79.0
39	35.9	35.8	53.6





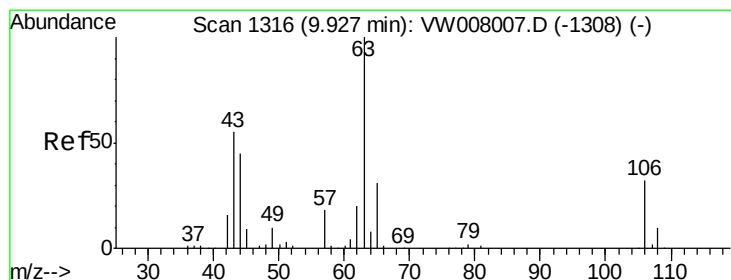
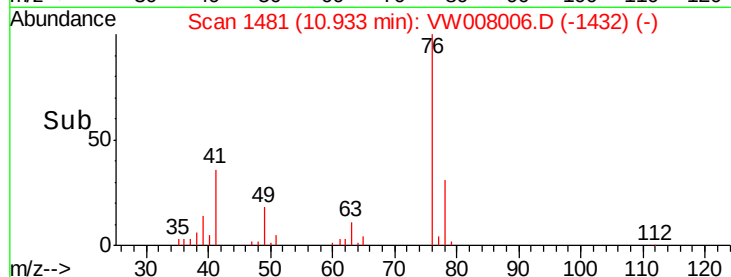
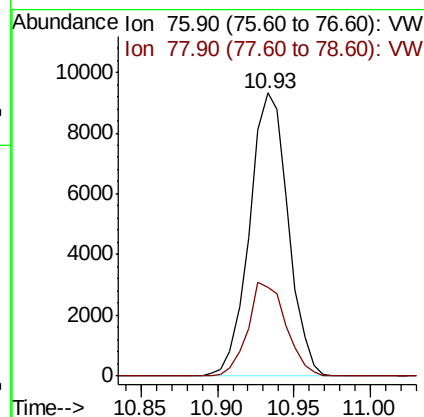
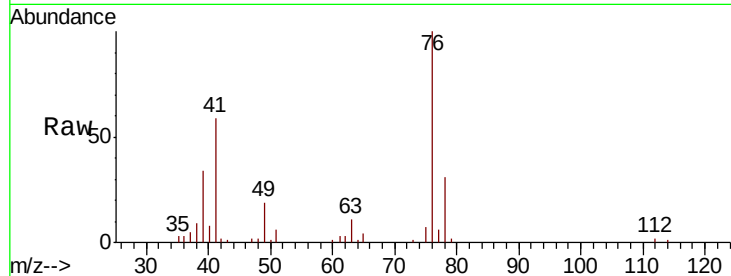
#57
 1,3-Dichloropropane
 Concen: 19.983 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 16345
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.7 40.1

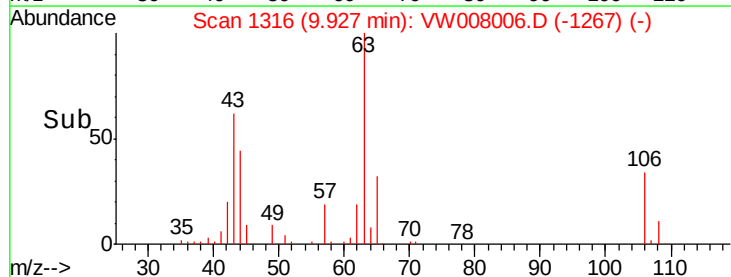
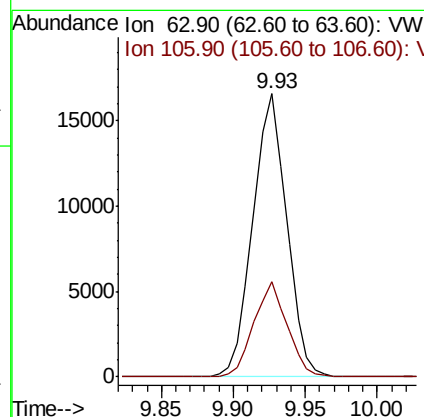
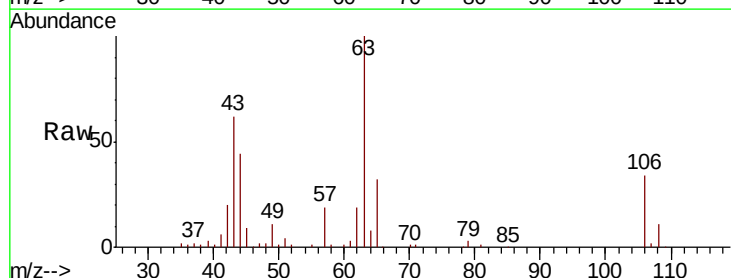
Manual Integrations
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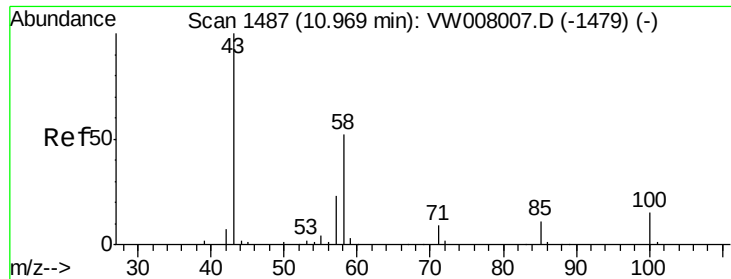
MMDadoda
 1/3/2019 10:55:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.623 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion: 63 Resp: 27002
 Ion Ratio Lower Upper
 63 100
 106 32.9 26.9 40.3





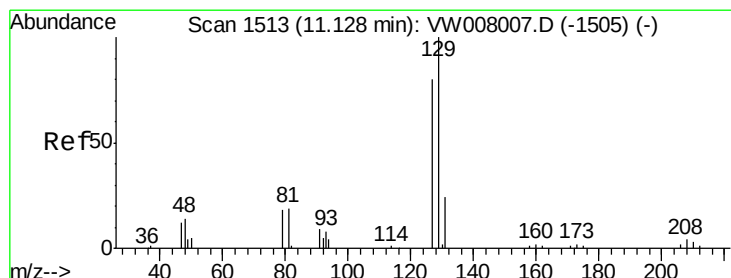
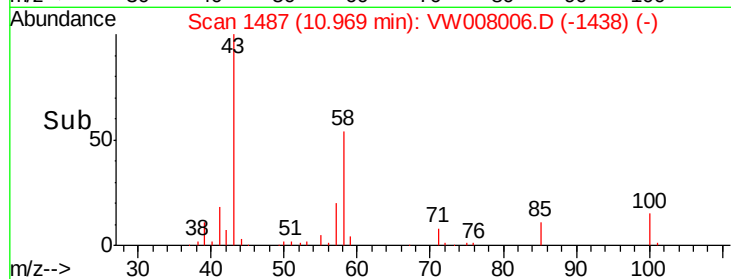
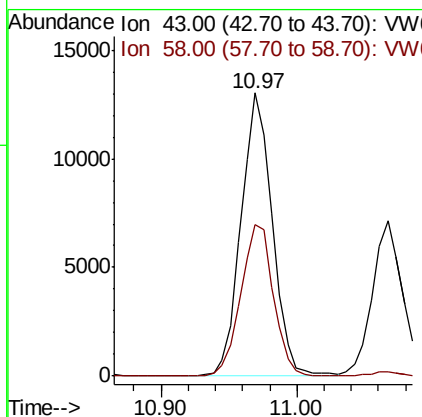
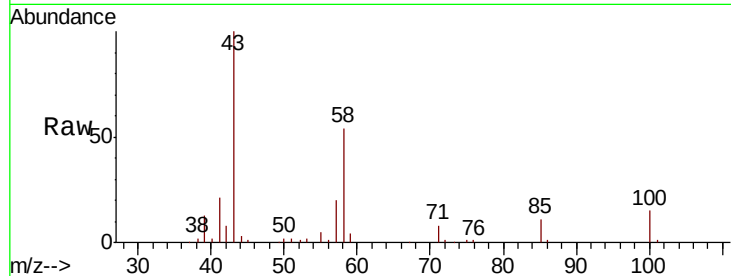
#59
2-Hexanone
Concen: 102.553 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 20946
Ion Ratio Lower Upper
43 100
58 55.7 27.1 81.2

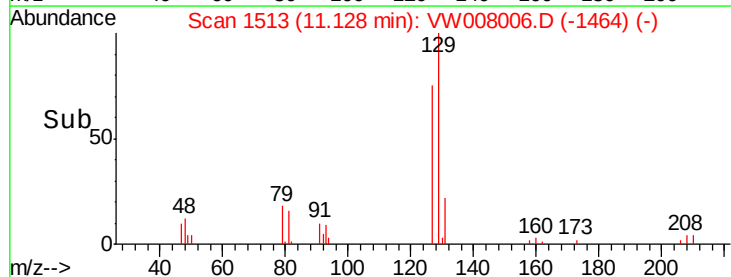
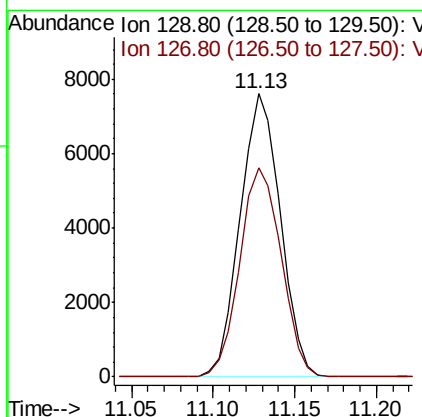
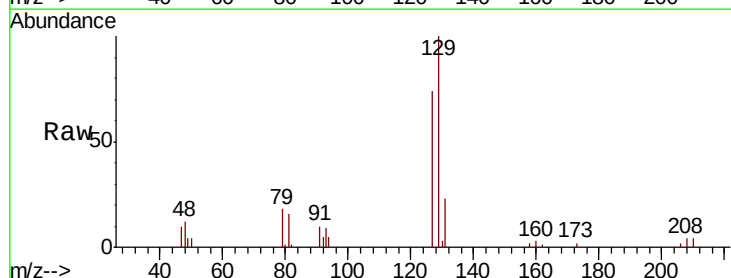
Manual Integrations
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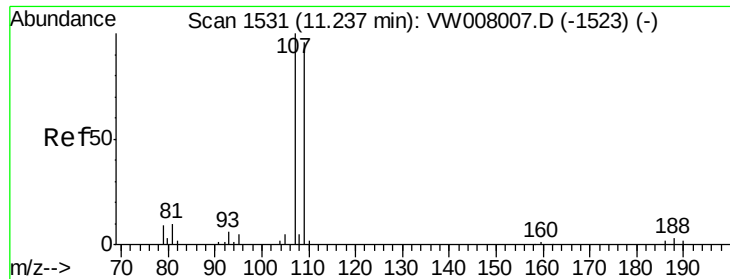
MMDadoda
1/3/2019 10:55:23 AM



#60
Dibromochloromethane
Concen: 19.893 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion: 129 Resp: 13108
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





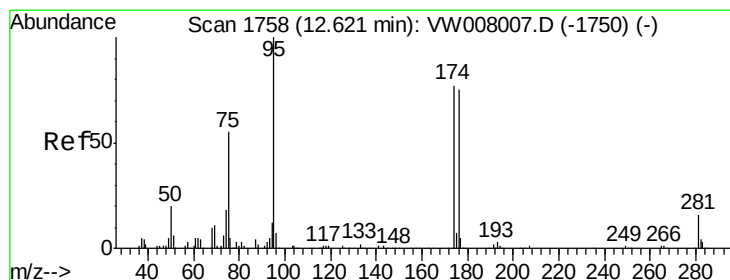
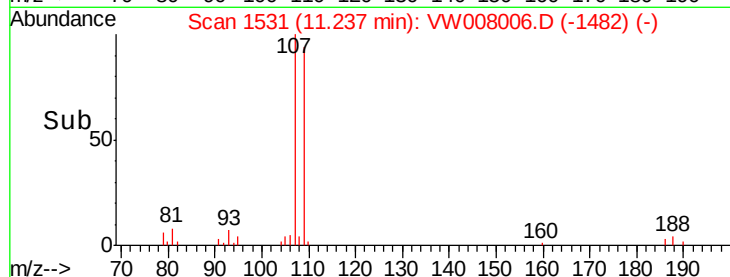
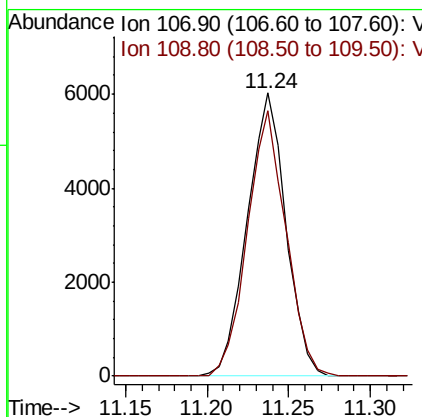
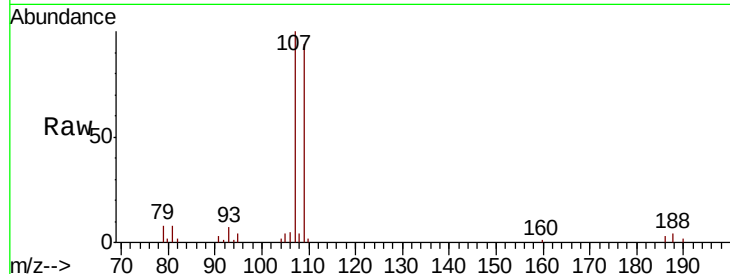
#61
 1,2-Dibromoethane
 Concen: 20.630 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	77.2	115.8

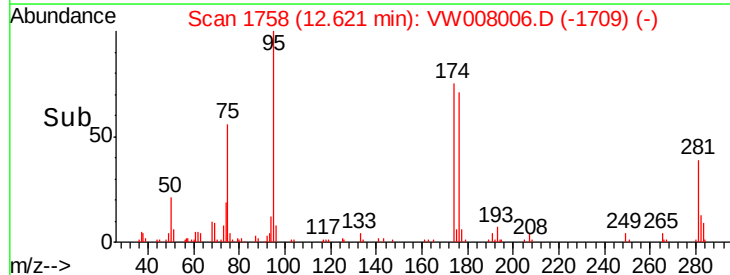
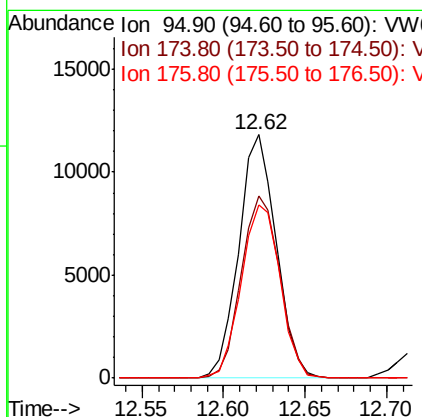
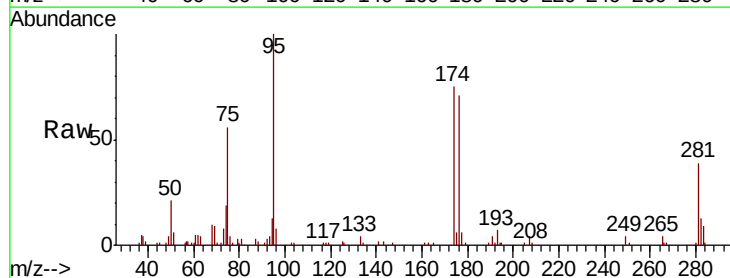
Manual Integrations
 APPROVED

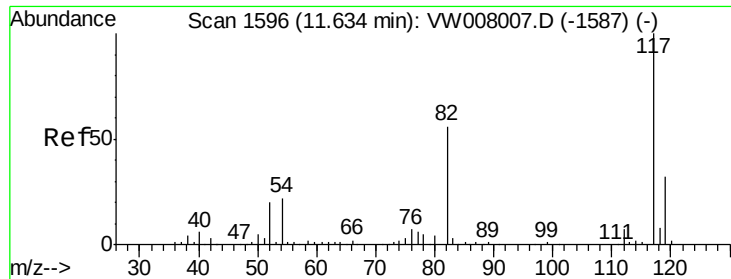
MMDadoda
 1/3/2019 10:55:23 AM



#62
 4-Bromofluorobenzene
 Concen: 19.320 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	149.6
176	73.7	0.0	145.4





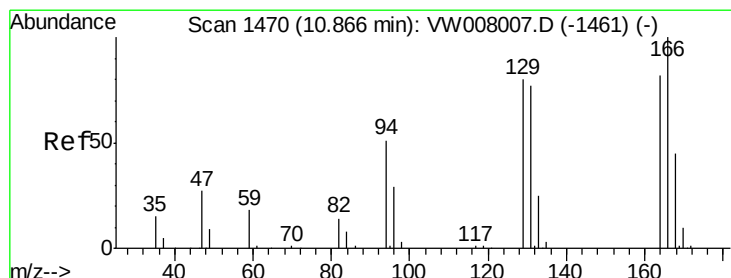
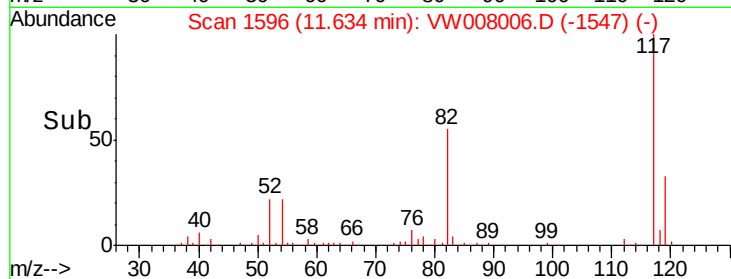
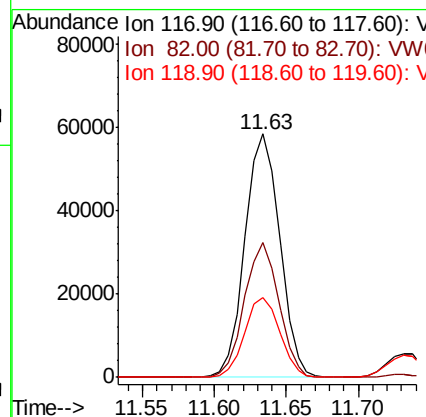
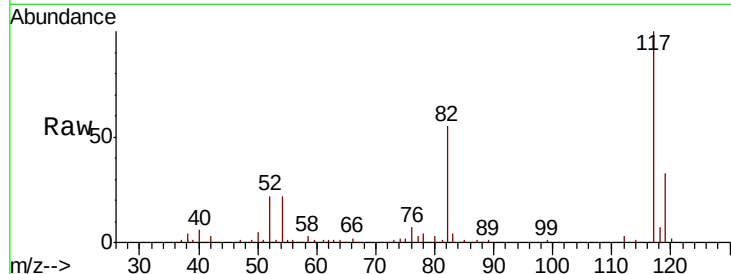
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.8	67.2
119	32.6	25.6	38.4

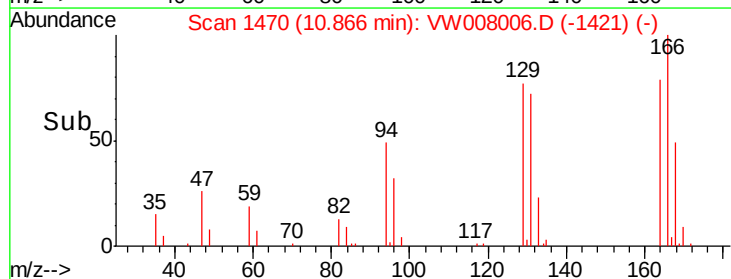
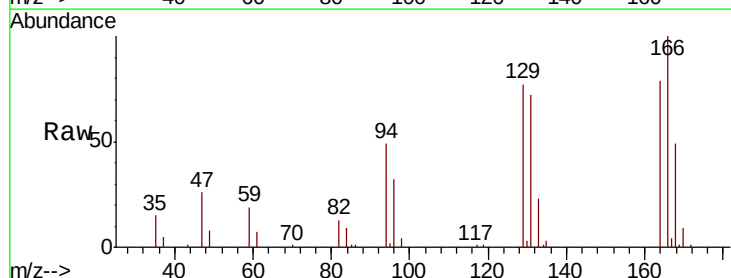
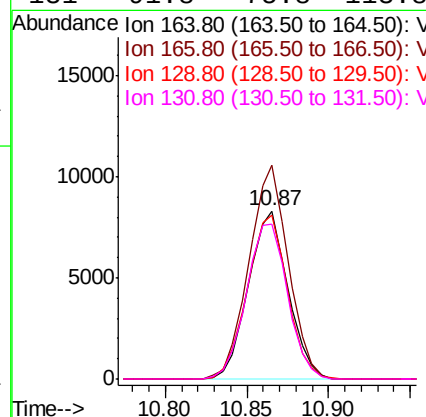
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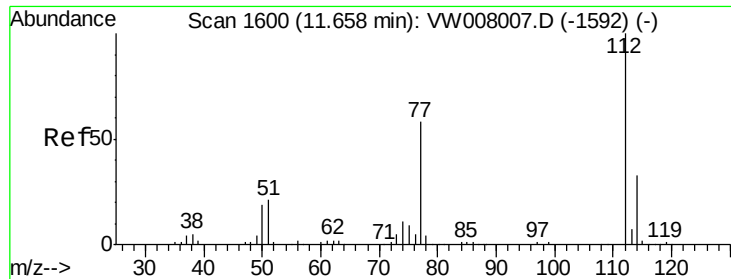
MMDadoda
1/3/2019 10:55:23 AM



#64
Tetrachloroethene
Concen: 20.731 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	98.1	147.1
129	97.3	78.0	117.0
131	91.8	75.8	113.8





#65

Chlorobenzene

Concen: 20.011 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 41828

Ion Ratio Lower Upper

112 100

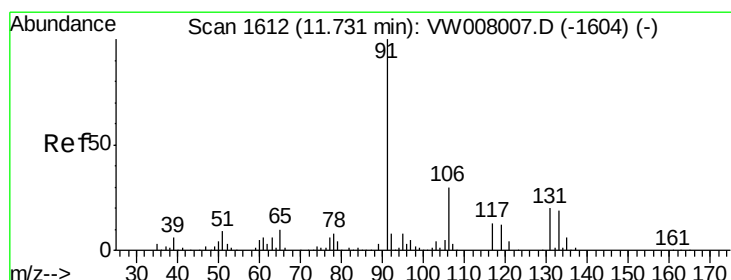
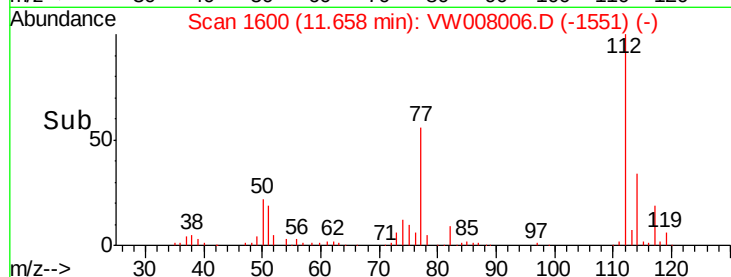
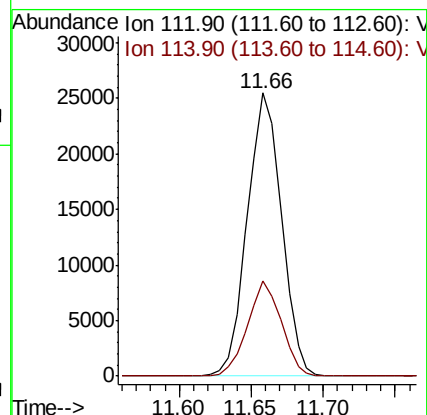
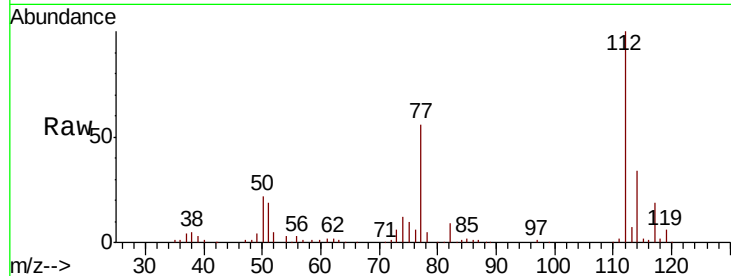
114 33.6 26.0 39.0

Manual Integrations

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MMDadoda

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.394 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

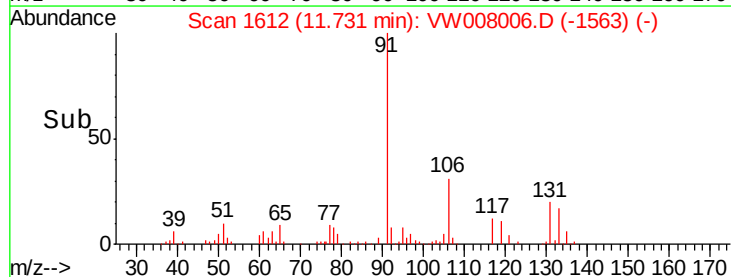
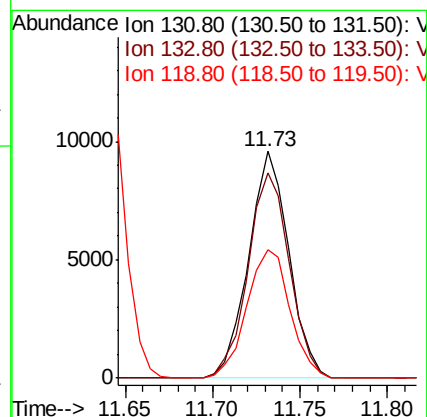
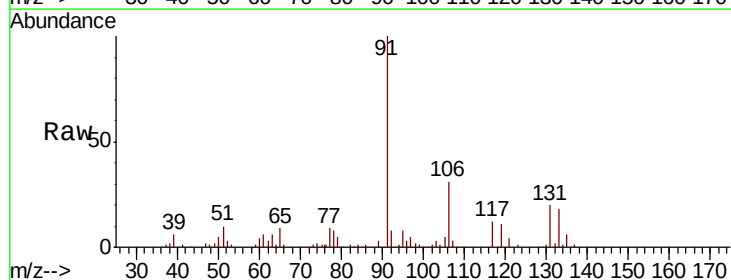
Tgt Ion:131 Resp: 15437

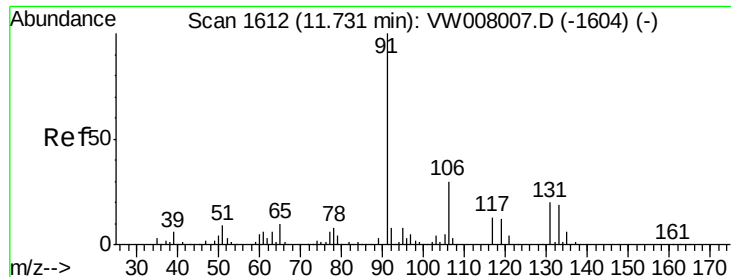
Ion Ratio Lower Upper

131 100

133 93.1 49.1 147.3

119 60.6 30.6 91.6





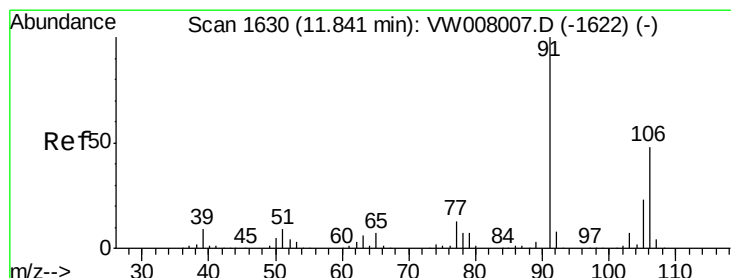
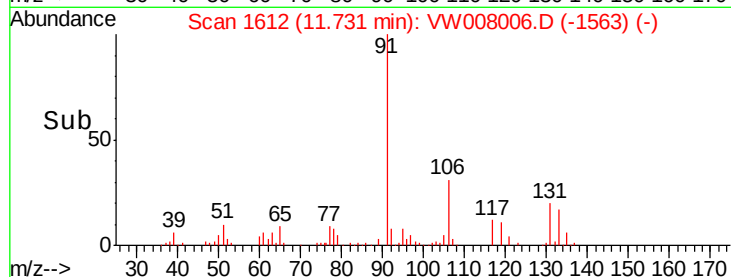
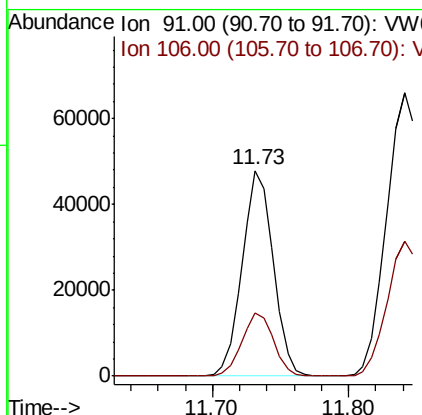
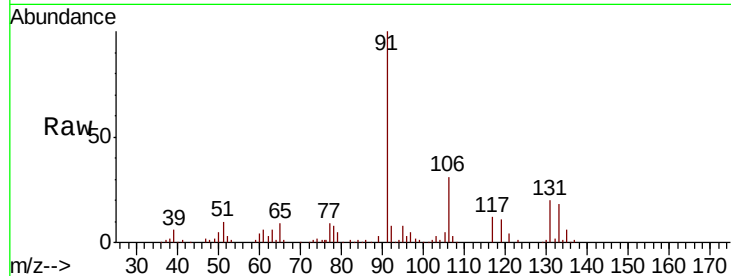
#67
Ethyl Benzene
Concen: 20.558 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 76270
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5

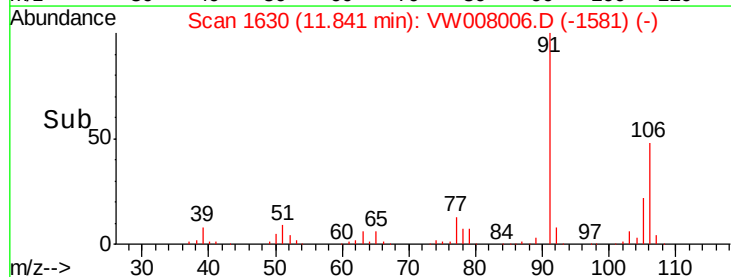
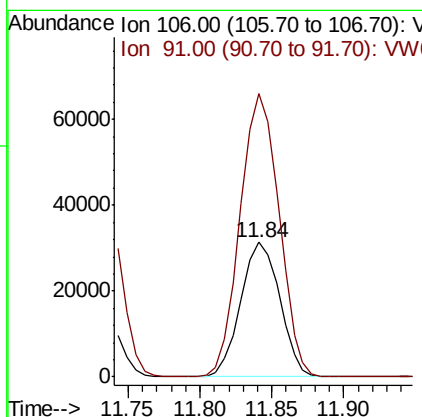
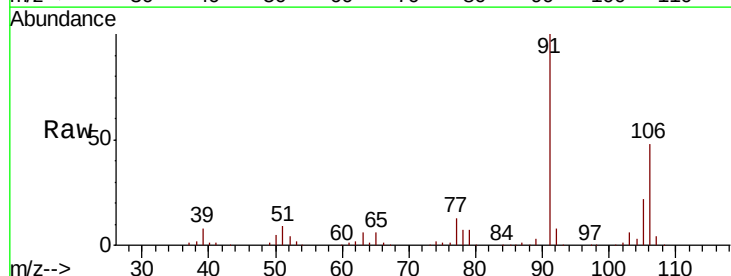
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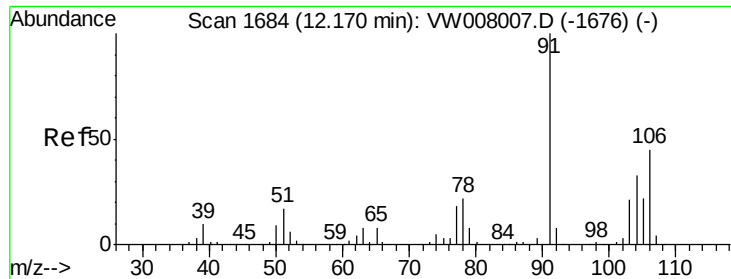
MMDadoda
1/3/2019 10:55:23 AM



#68
m/p-Xylenes
Concen: 41.296 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion: 106 Resp: 59233
Ion Ratio Lower Upper
106 100
91 209.3 165.8 248.8





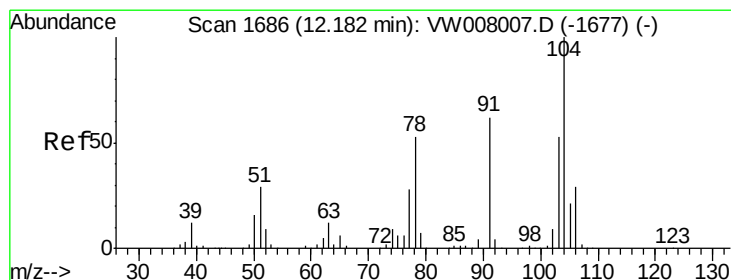
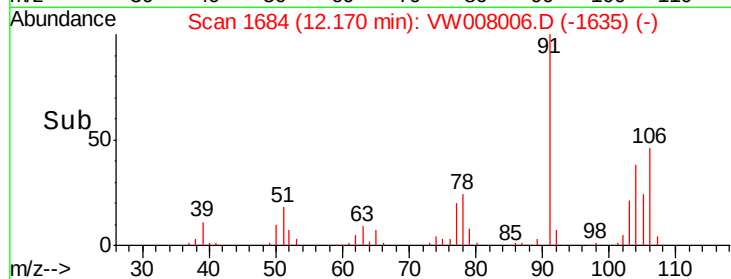
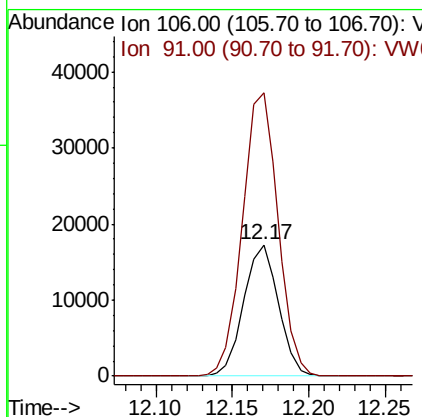
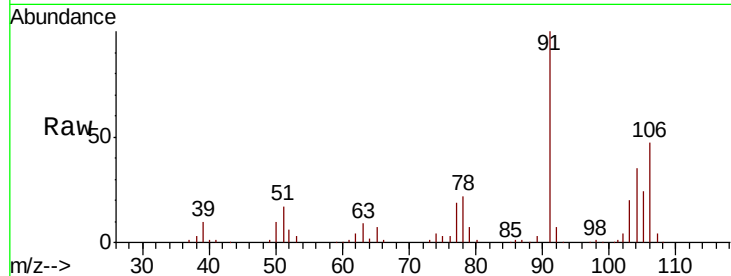
#69
o-Xylene
Concen: 20.553 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 27431
Ion Ratio Lower Upper
106 100
91 219.6 110.6 331.6

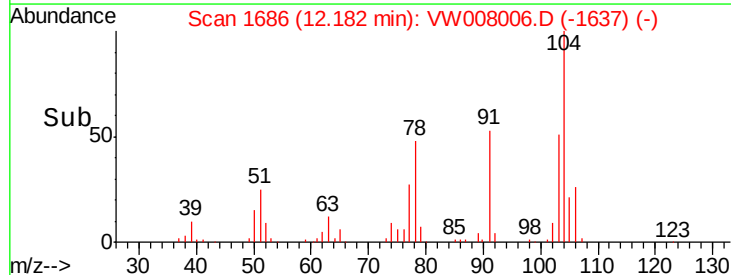
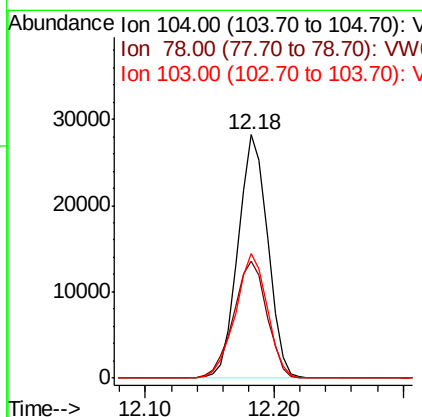
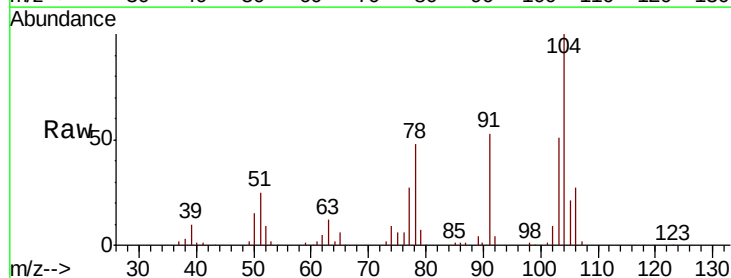
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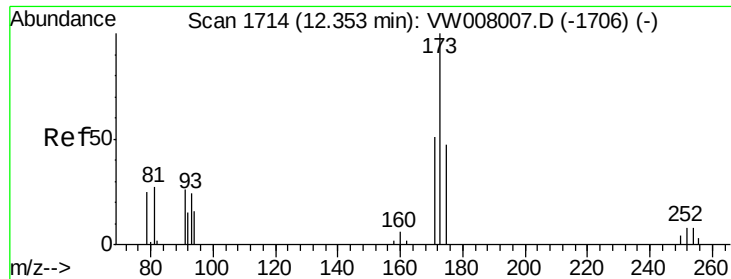
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#70
Styrene
Concen: 20.700 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion:104 Resp: 45029
Ion Ratio Lower Upper
104 100
78 54.2 44.0 66.0
103 55.1 44.6 66.8





#71

Bromoform

Concen: 19.858 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

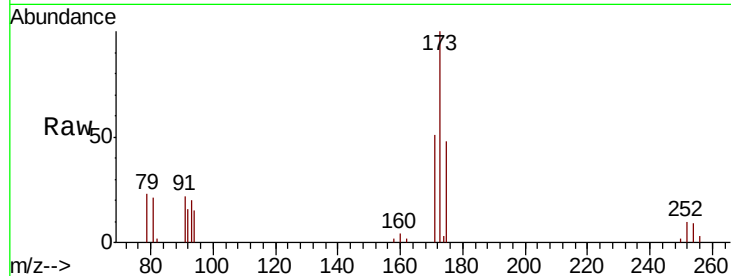
VSTDIC020

Tot Ion:173 Resp: 6964

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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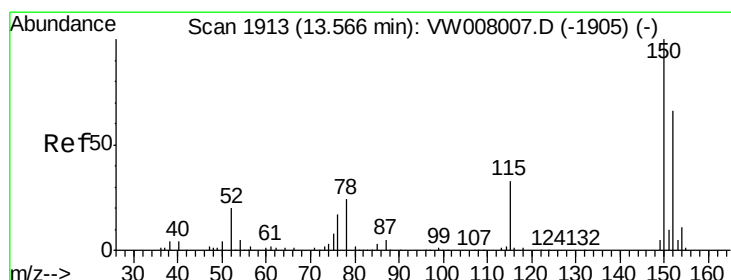
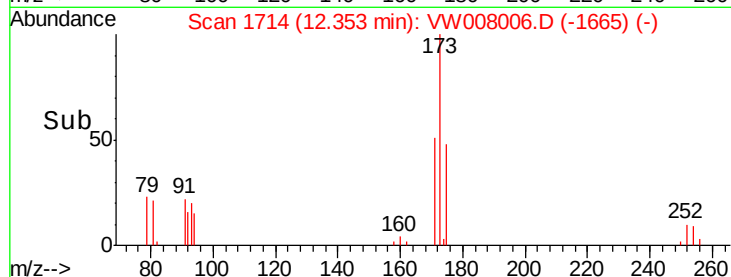
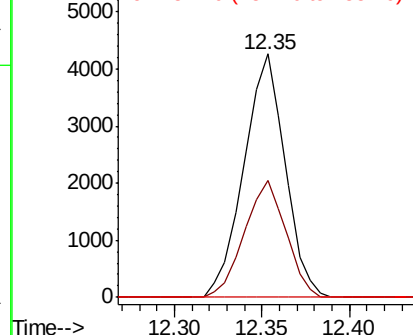
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Abundance Ion 172.70 (172.40 to 173.40): V

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

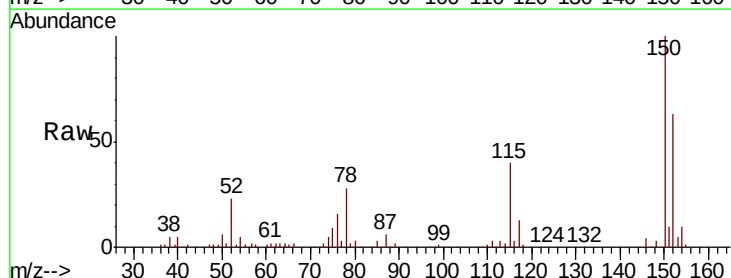
Delta R.T. -0.01 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Tgt Ion:152 Resp: 49337

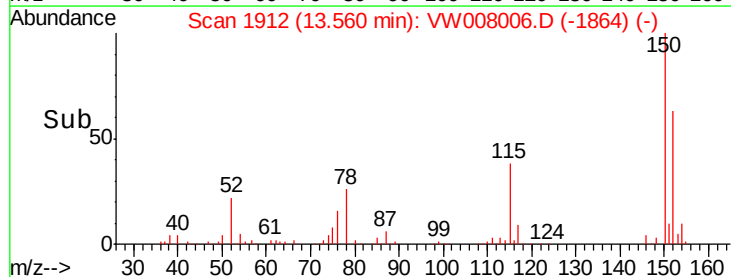
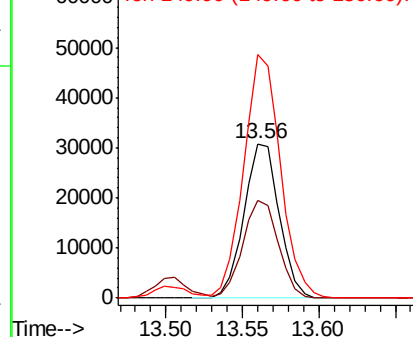
Ion	Ratio	Lower	Upper
152	100		
115	63.8	32.1	96.5
150	164.5	0.0	345.0

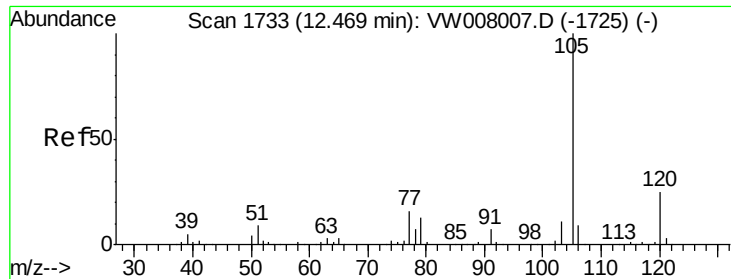


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





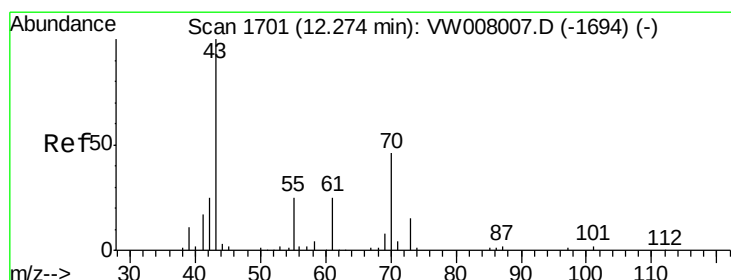
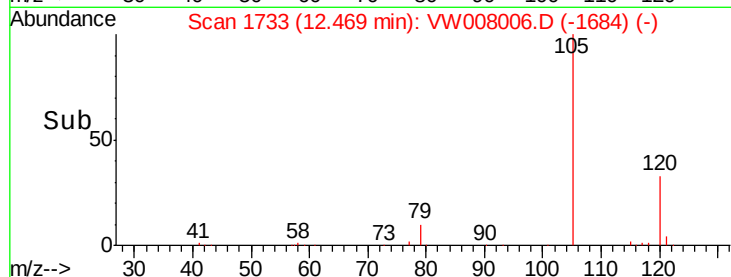
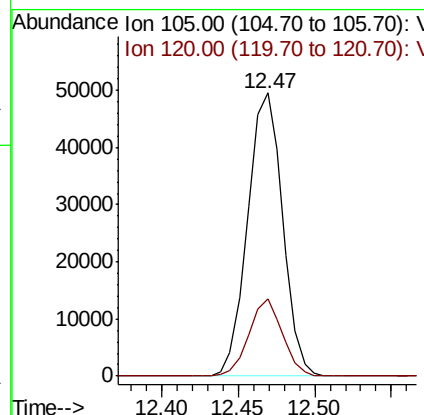
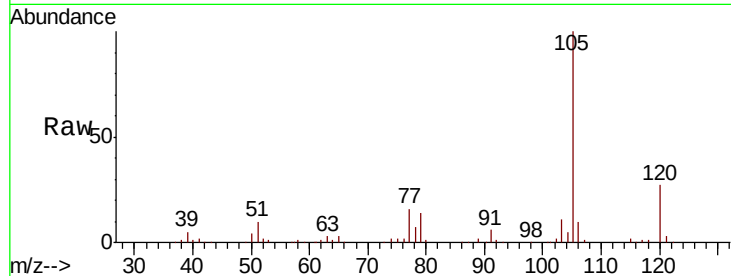
#73
Isopropylbenzene
Concen: 20.085 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 105 Resp: 78795
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.3

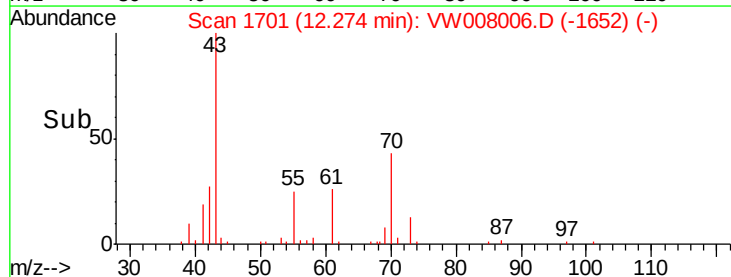
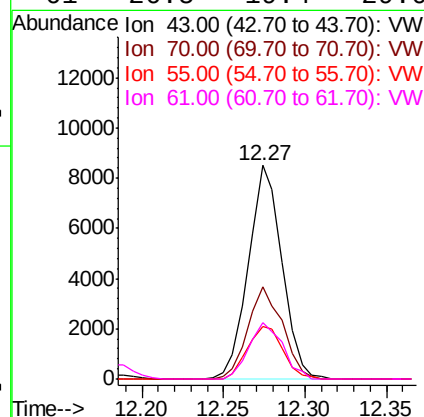
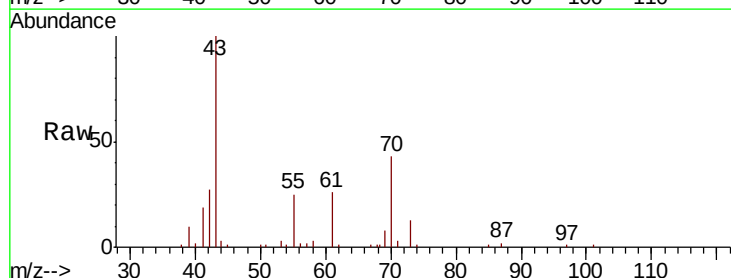
Manual Integrations
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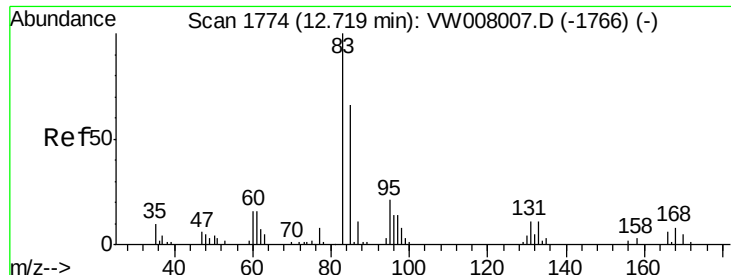
MMDadoda
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#74
N-ethyl acetate
Concen: 20.045 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion: 43 Resp: 12241
Ion Ratio Lower Upper
43 100
70 44.3 35.2 52.8
55 26.0 21.4 32.0
61 26.5 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.141 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

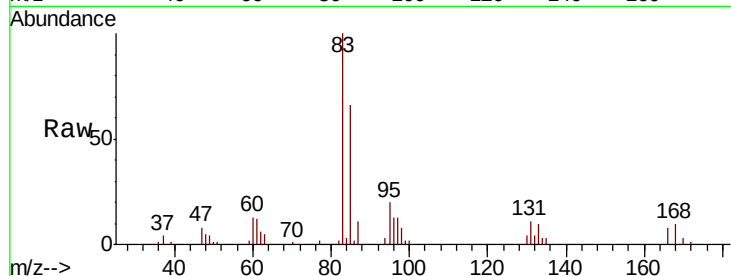
ClientSampled :

VSTDIC020

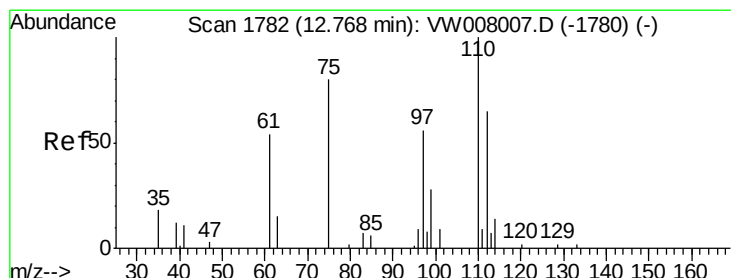
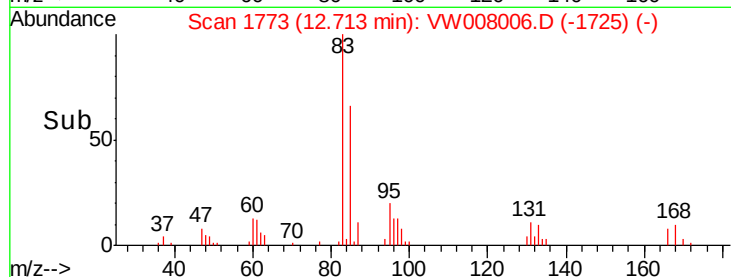
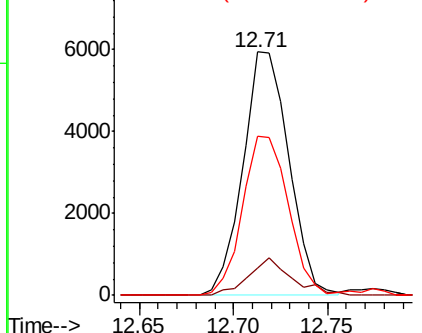
Tot Ion:	83	Resp:	10054
Ion Ratio	Lower	Upper	
83	100		
131	14.4	6.5	19.5
85	65.2	32.8	98.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 11.869 ug/l m

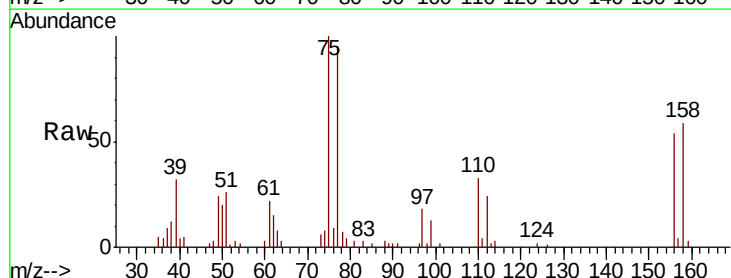
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

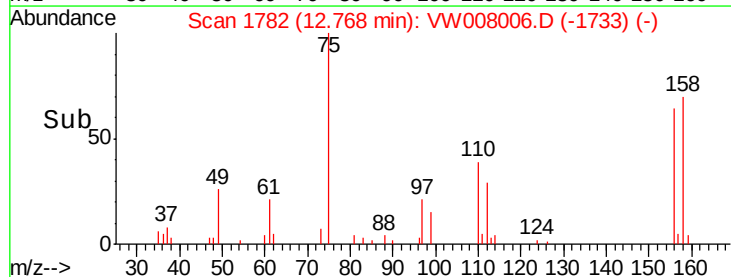
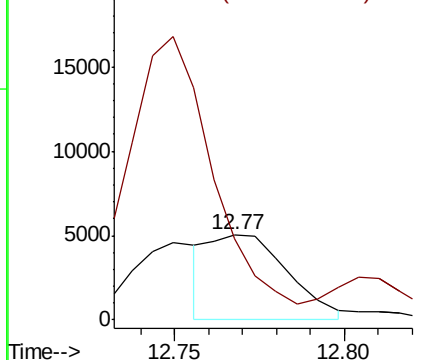
Lab File: VW008006.D

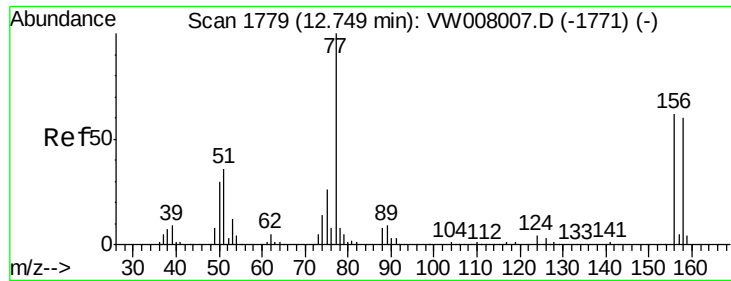
Acq: 02 Jan 2019 13:45

Tgt Ion:	75	Resp:	8157
Ion Ratio	Lower	Upper	
75	100		
77	370.1	186.2	558.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.651 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Instrument :

MSVOA_W

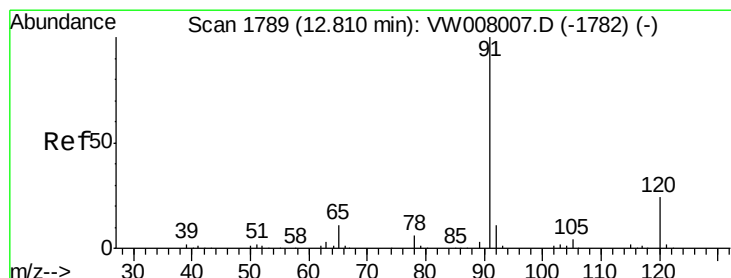
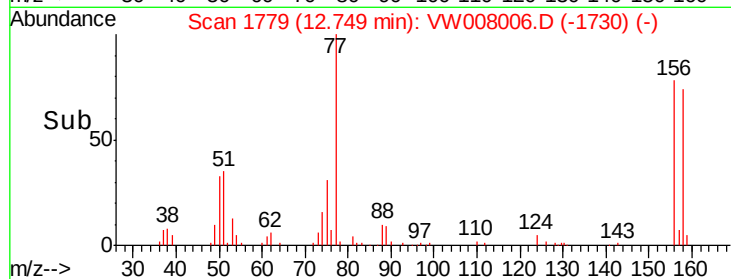
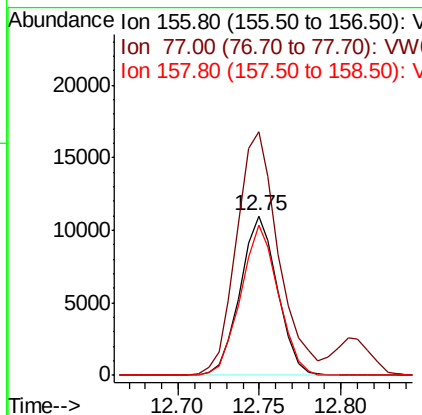
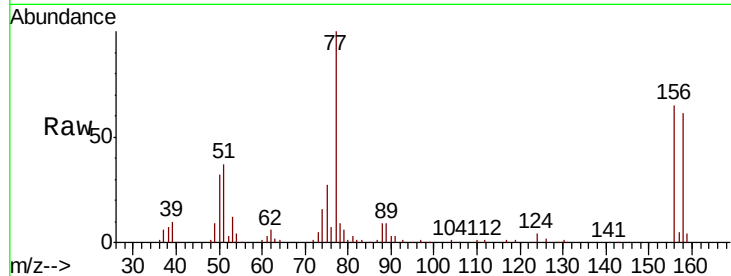
ClientSampled :

VSTDIC020

Tot Ion	156	Resp	17414
Ion Ratio	100	Lower	Upper
77	173.4	87.9	263.8
158	95.2	47.8	143.4

Manual Integrations
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#78

n-propylbenzene

Concen: 20.364 ug/l

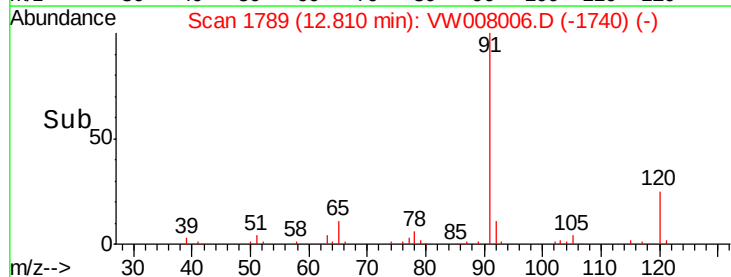
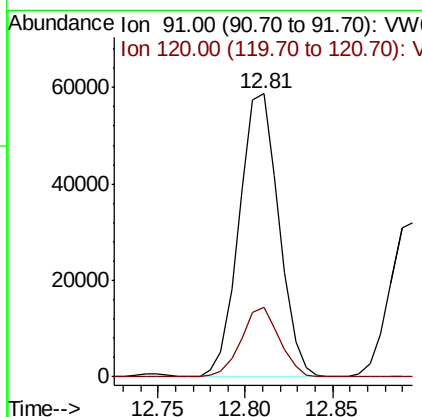
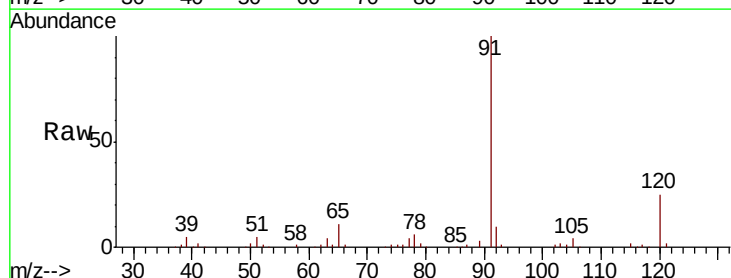
RT: 12.81 min Scan# 1789

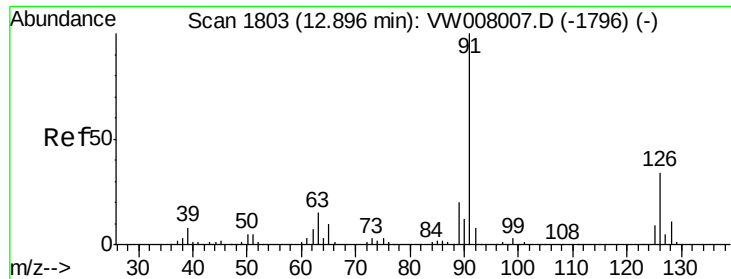
Delta R.T. 0.00 min

Lab File: VW008006.D

Acq: 02 Jan 2019 13:45

Tgt Ion	91	Resp	92625
Ion Ratio	100	Lower	Upper
120	23.6	11.5	34.5





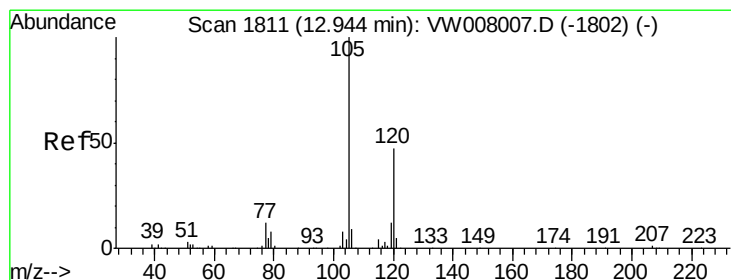
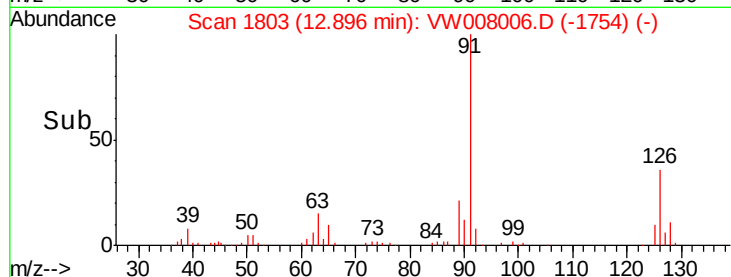
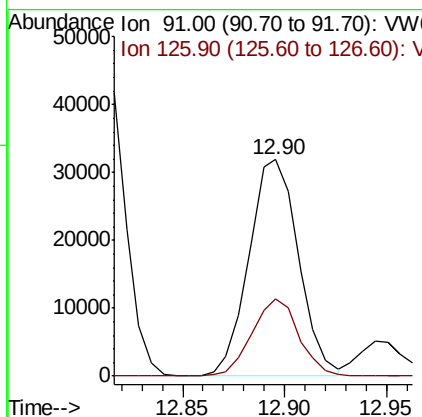
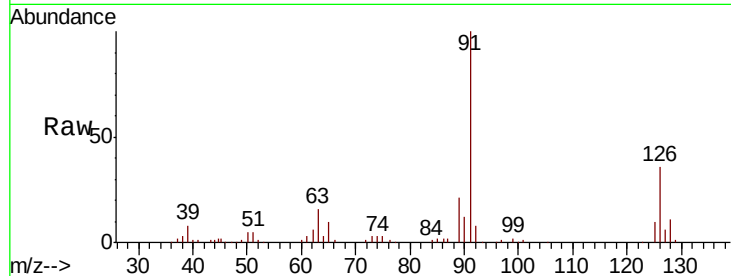
#79
 2-Chlorotoluene
 Concen: 20.527 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 53962
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.1 51.2

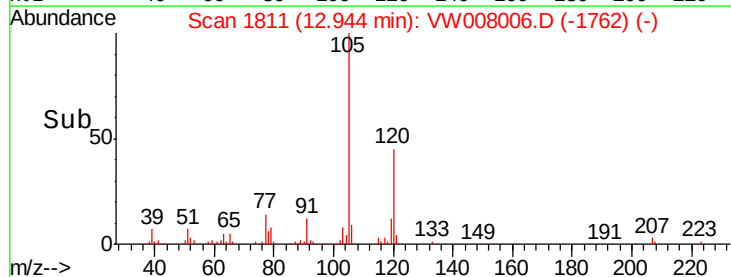
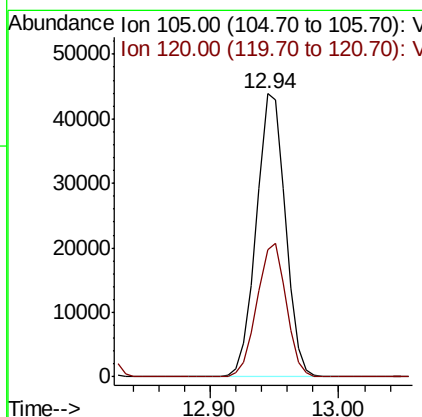
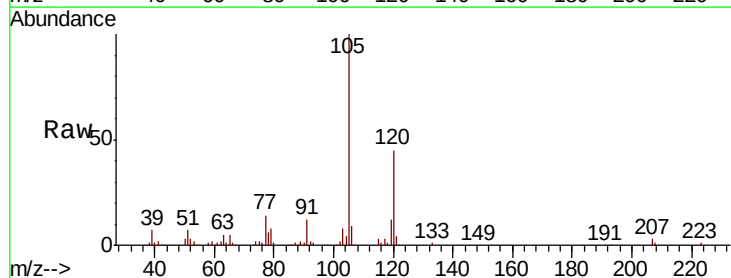
Manual Integrations
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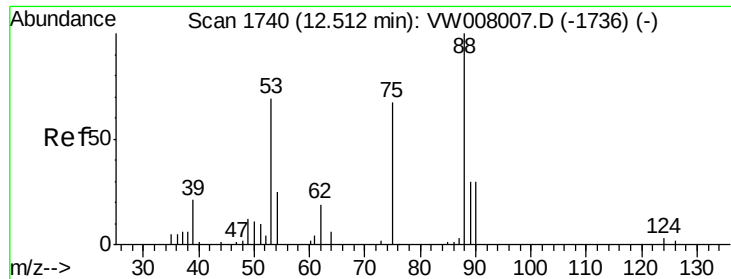
MMDadoda
 1/3/2019 10:55:23 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.177 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion: 105 Resp: 68137
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.3 69.9





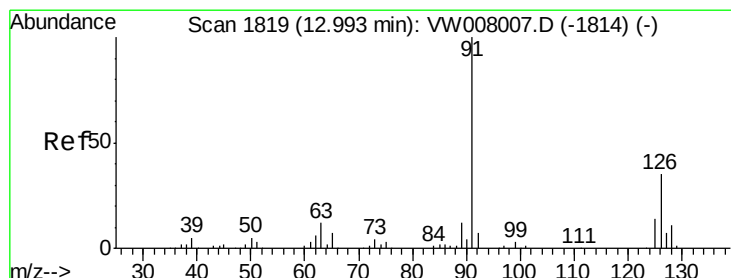
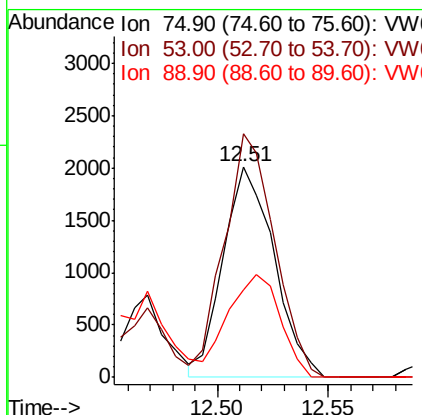
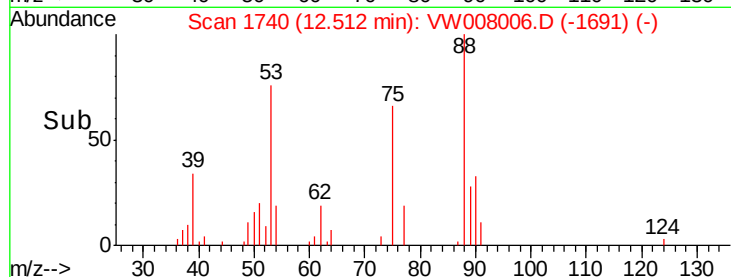
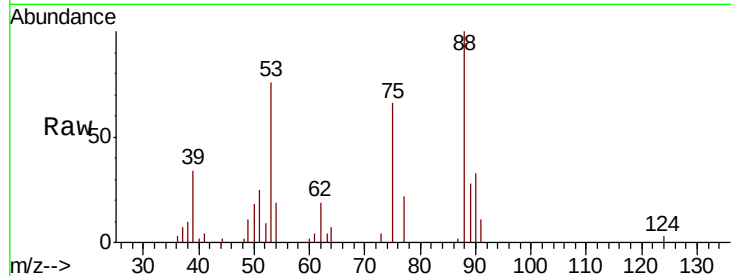
#81
trans-1,4-Dichloro-2-butene
Concen: 19.292 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.5	87.6	131.4
89	49.8	42.2	63.2

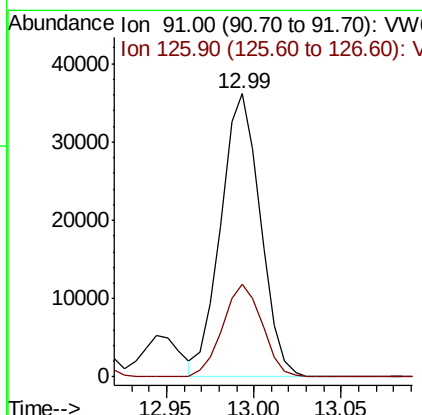
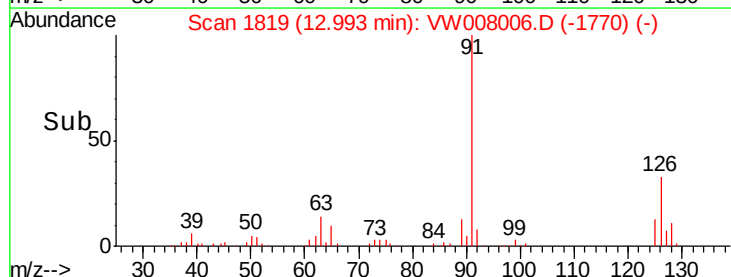
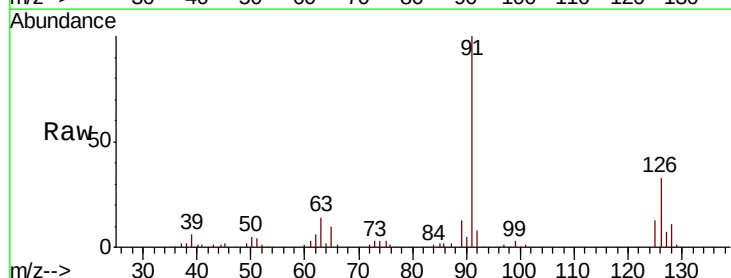
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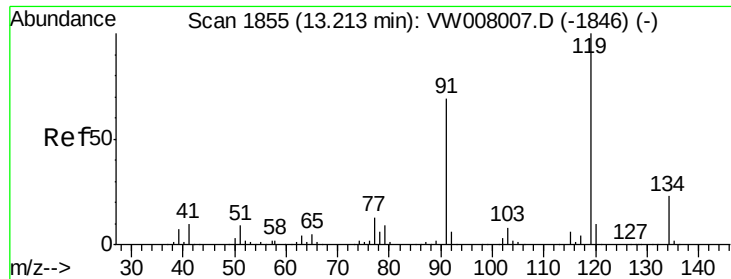
MMDadoda
1/3/2019 10:55:23 AM



#82
4-Chlorotoluene
Concen: 20.300 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.7	50.1





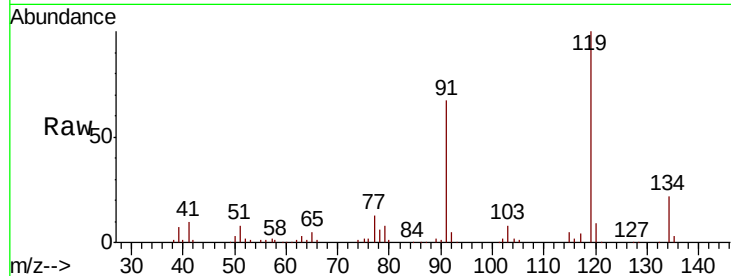
#83
tert-Butylbenzene
Concen: 20.416 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.7	104.1
134	23.1	11.5	34.4

Manual Integrations
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1/3/2019 10:55:23 AM

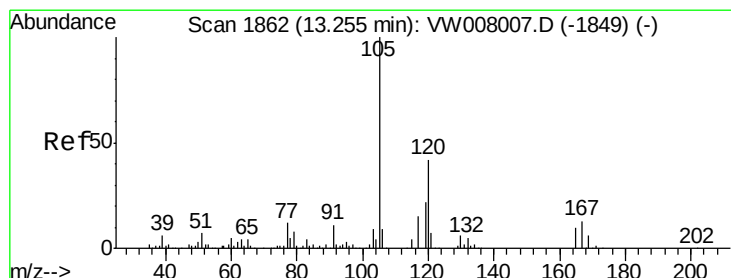
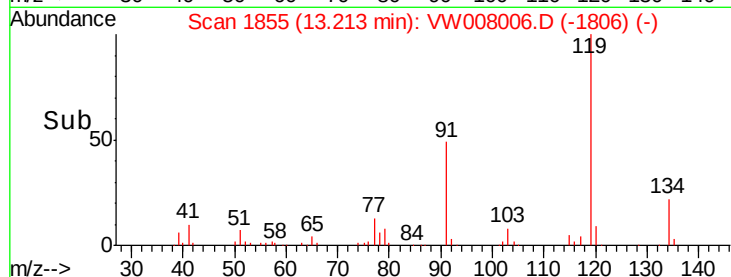
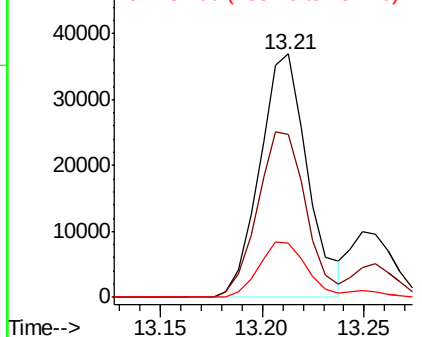


Abundance

Ion 119.00 (118.70 to 119.70): V

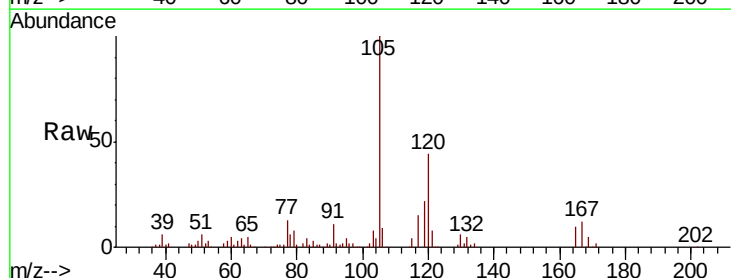
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 20.344 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

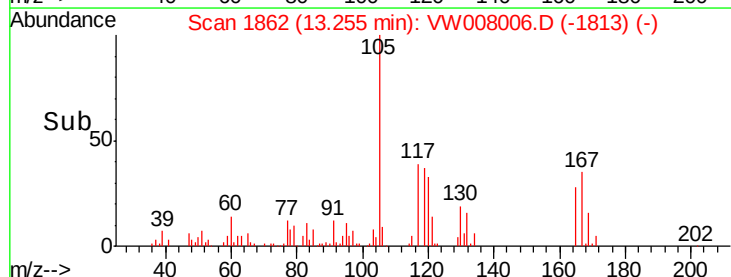
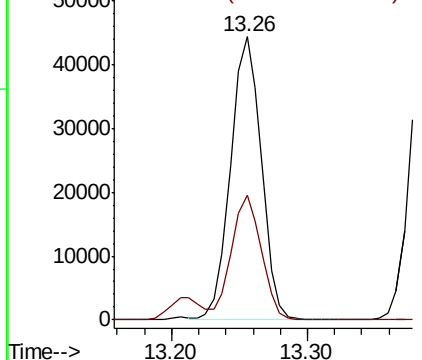
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.5	64.5

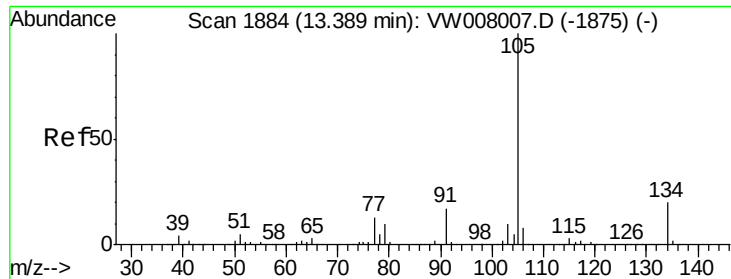


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





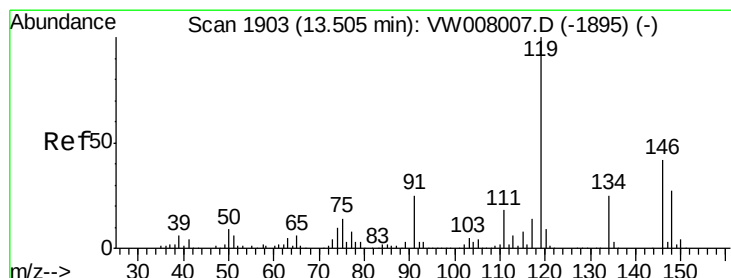
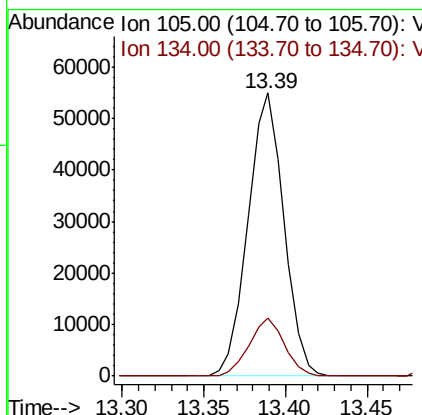
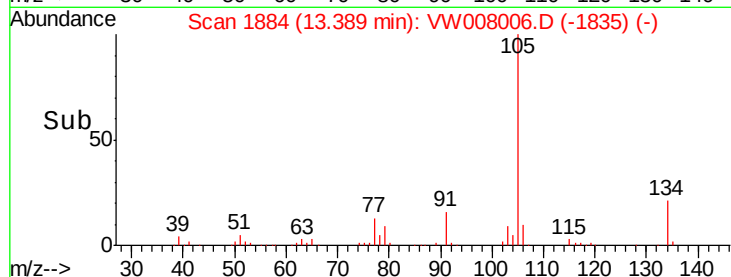
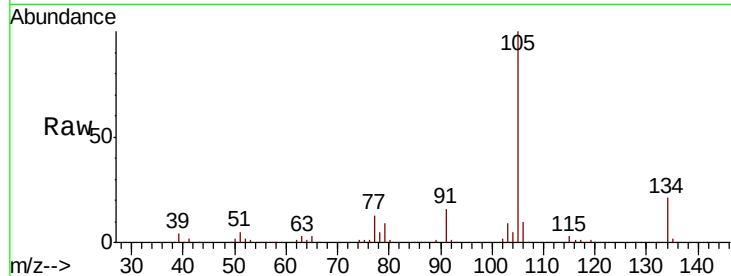
#85
 sec-Butylbenzene
 Concen: 20.658 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:105 Resp: 83960
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.7 28.9

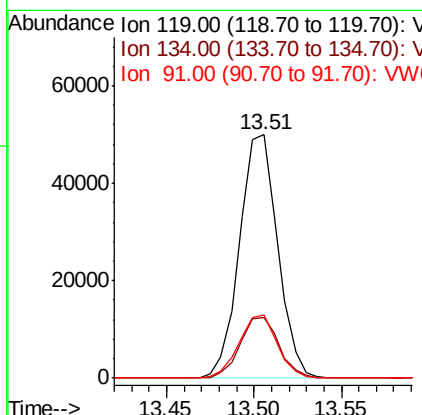
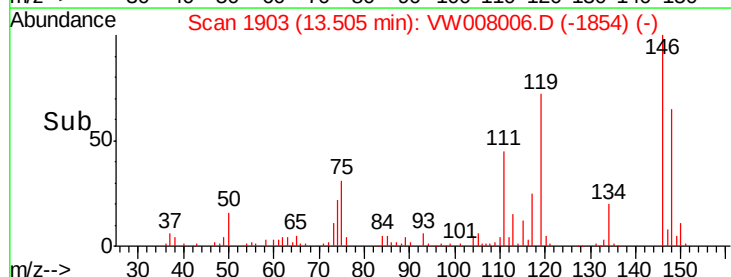
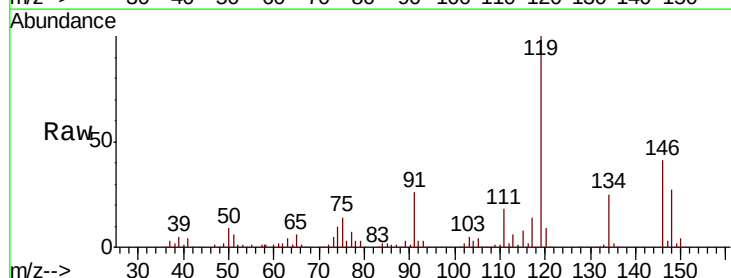
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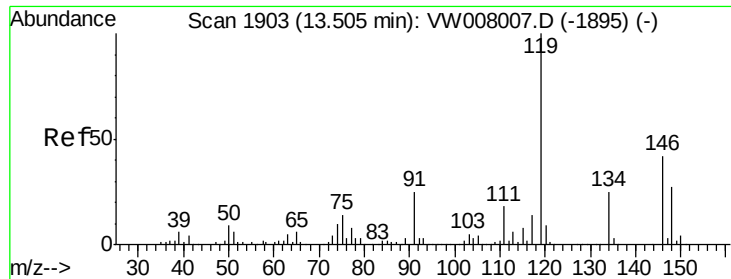
MMDadoda
 1/3/2019 10:55:23 AM



#86
 p-Isopropyltoluene
 Concen: 20.667 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion:119 Resp: 75765
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 26.3 13.1 39.3





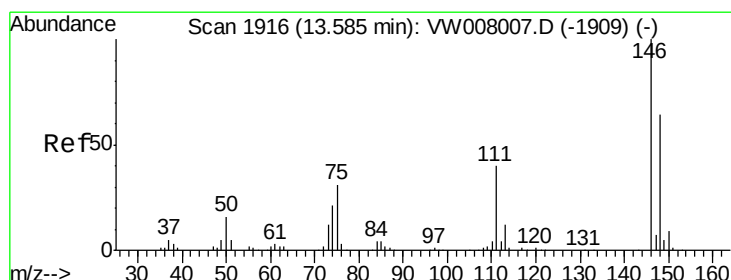
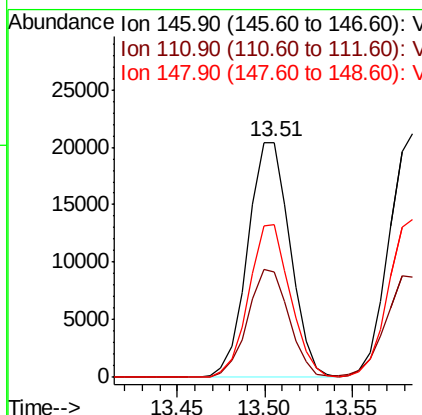
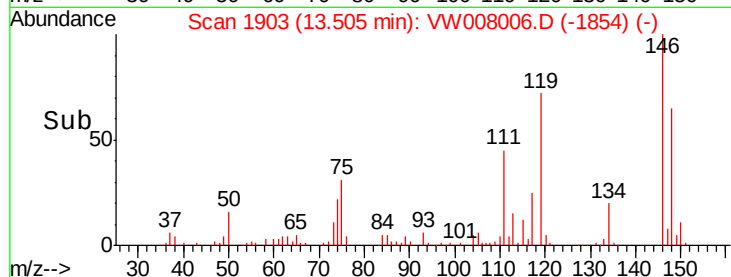
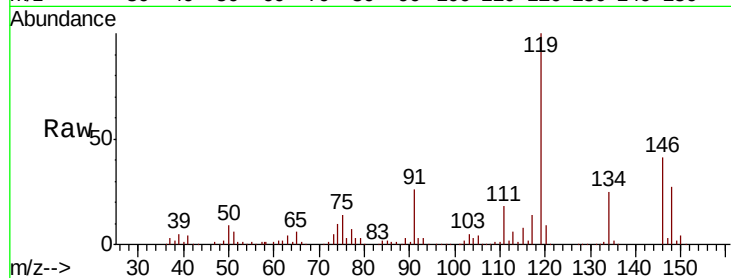
#87
 1,3-Dichlorobenzene
 Concen: 20.267 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.4	64.2
148	63.4	31.9	95.5

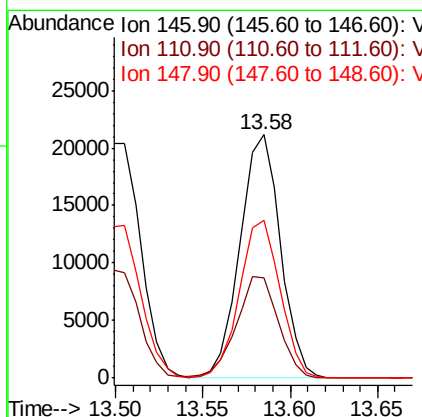
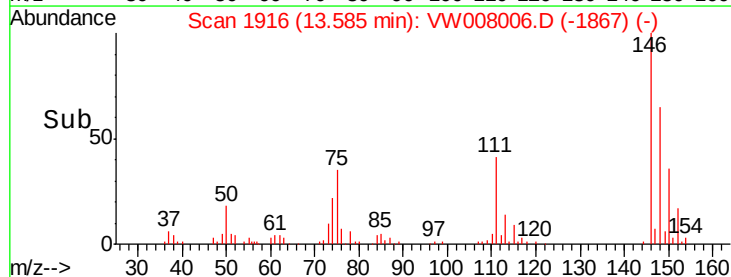
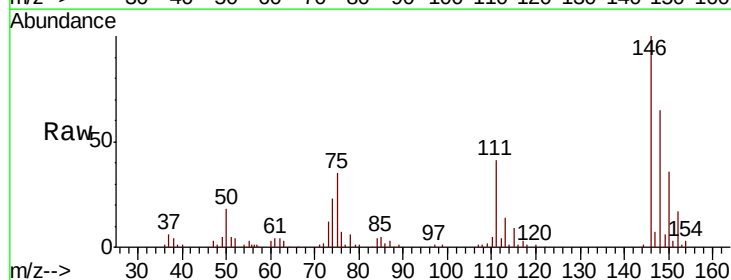
Manual Integrations
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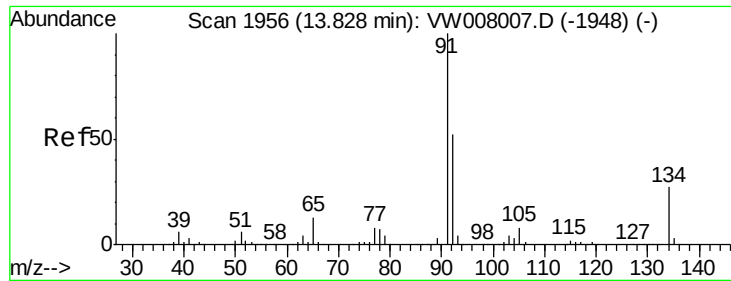
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.244 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.9	62.8
148	65.3	31.9	95.9





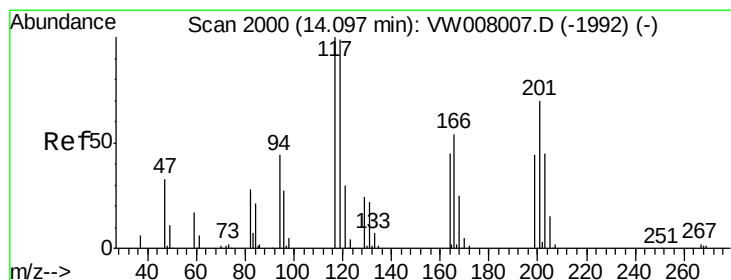
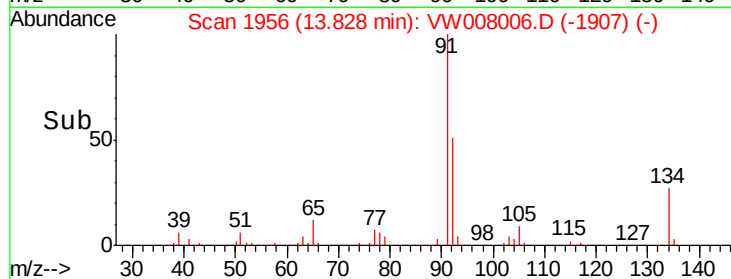
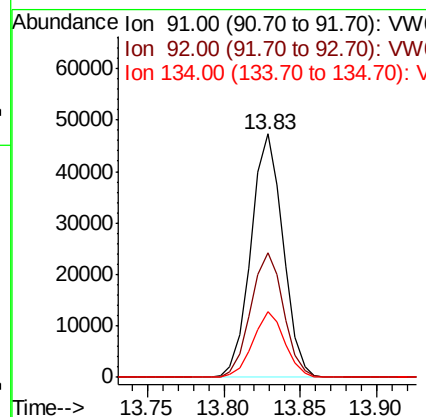
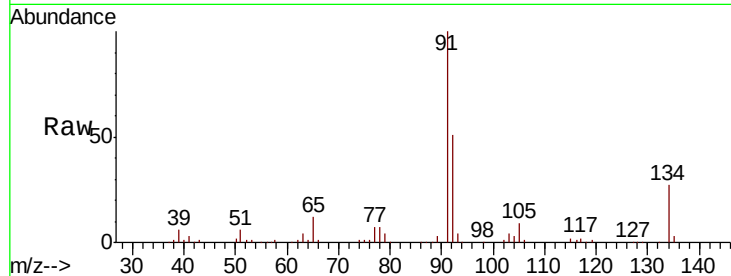
#89
n-Butylbenzene
Concen: 20.543 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.2
134	26.9	13.4	40.2

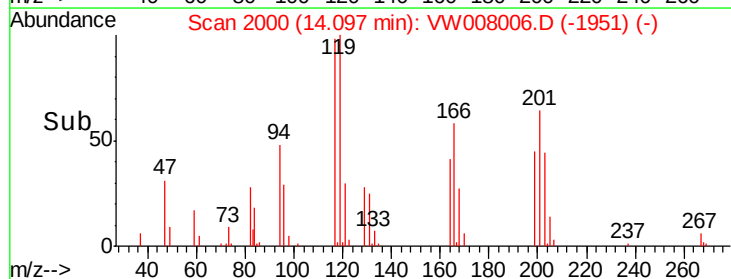
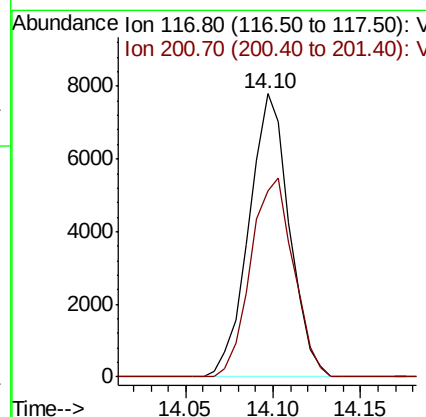
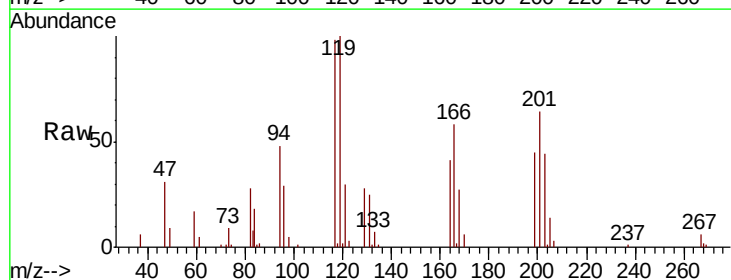
Manual Integrations
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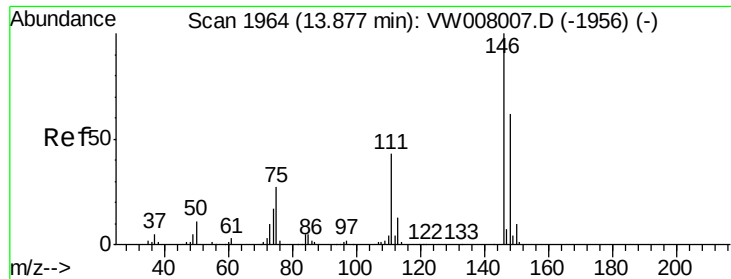
MMDadoda
1/3/2019 10:55:23 AM



#90
Hexachloroethane
Concen: 19.729 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.1	37.1	111.5





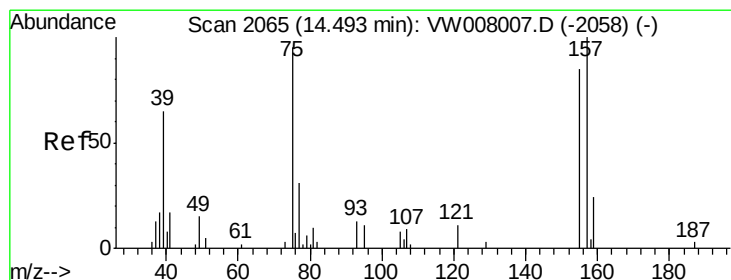
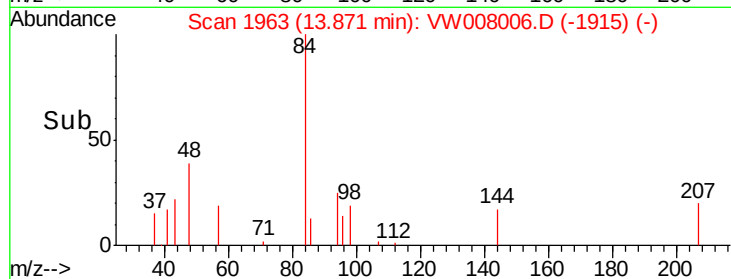
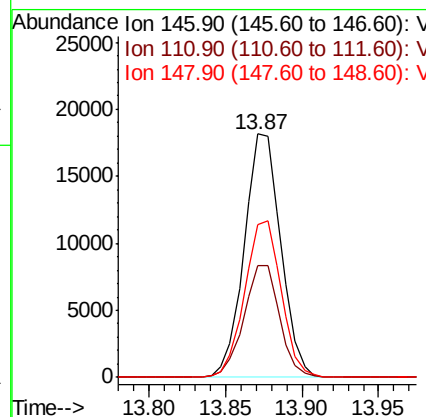
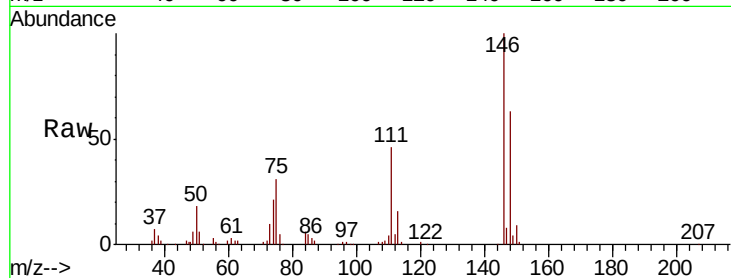
#91
 1,2-Dichlorobenzene
 Concen: 20.176 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.6	67.7
148	64.2	32.1	96.3

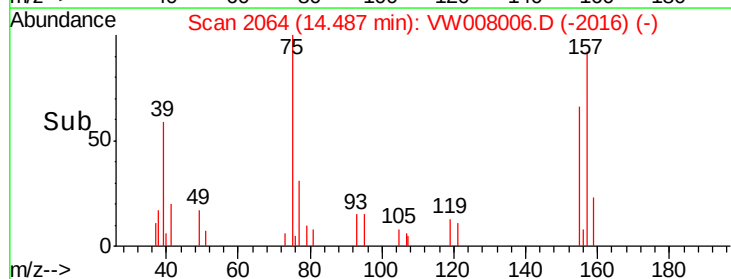
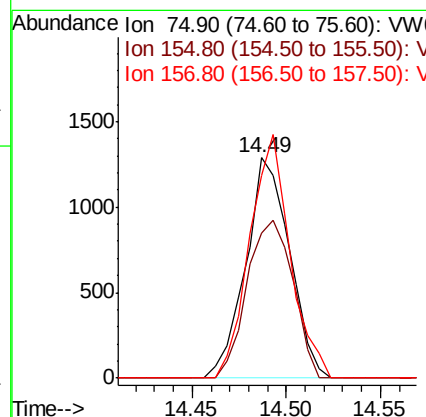
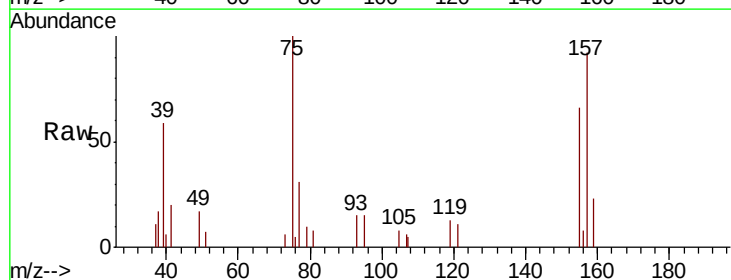
Manual Integrations
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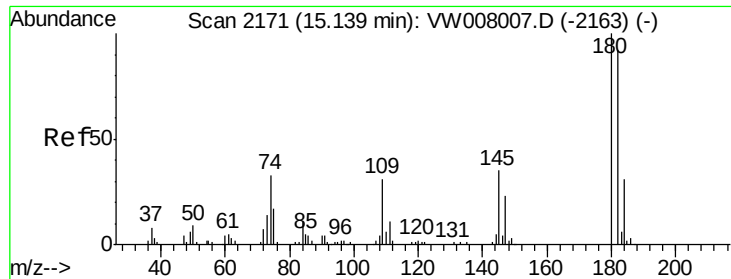
MMDadoda
 1/3/2019 10:55:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.501 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008006.D
 Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.9	42.4	127.1
157	101.5	52.3	156.8





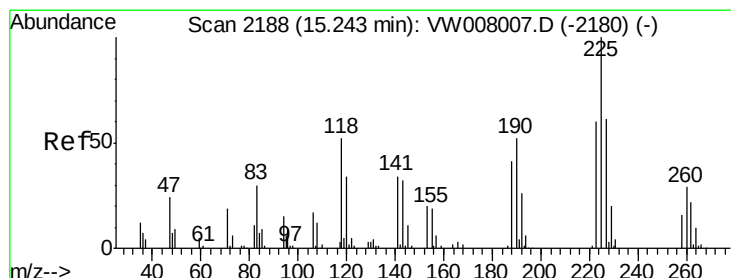
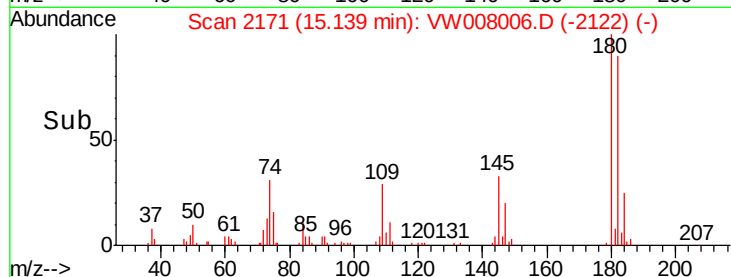
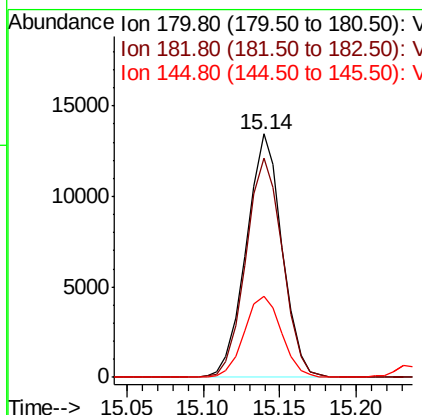
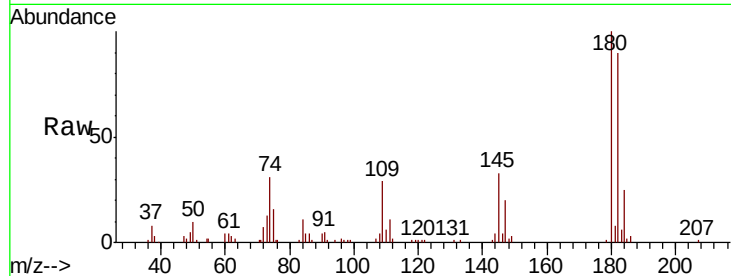
#93
1,2,4-Trichlorobenzene
Concen: 20.836 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	21880		
182	92.1	46.6	139.8	
145	34.5	17.2	51.6	

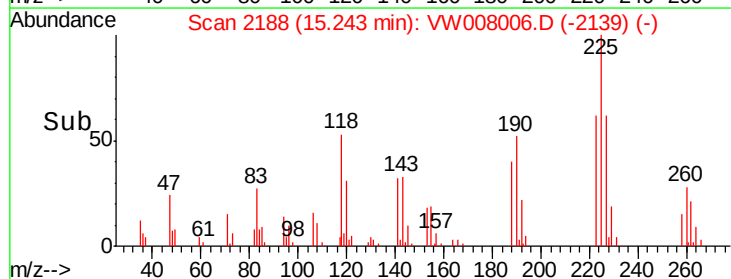
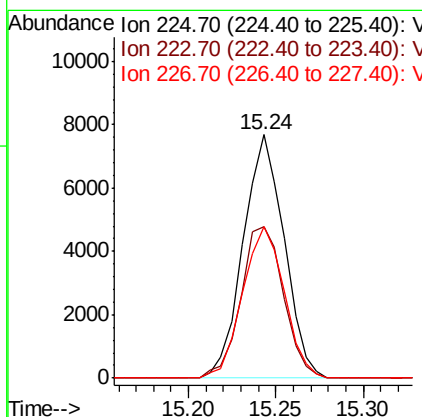
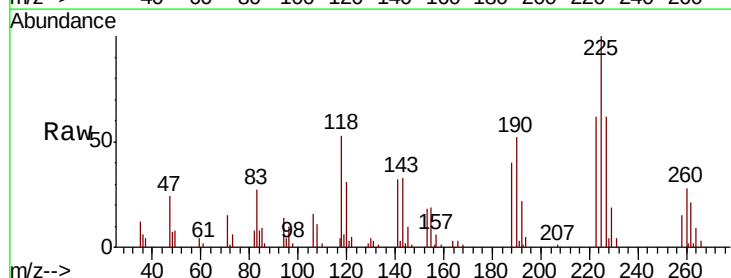
Manual Integrations
APPROVED

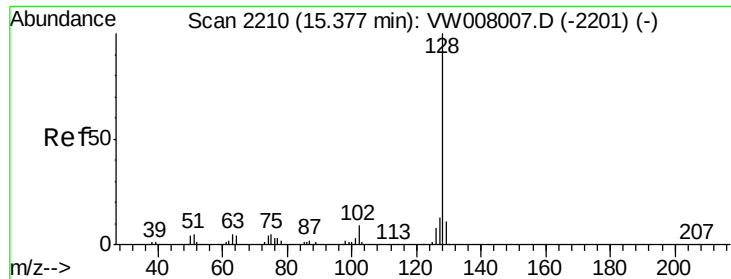
MMDadoda
1/3/2019 10:55:23 AM



#94
Hexachlorobutadiene
Concen: 20.595 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12487		
223	64.9	30.6	92.0	
227	63.4	31.3	93.8	





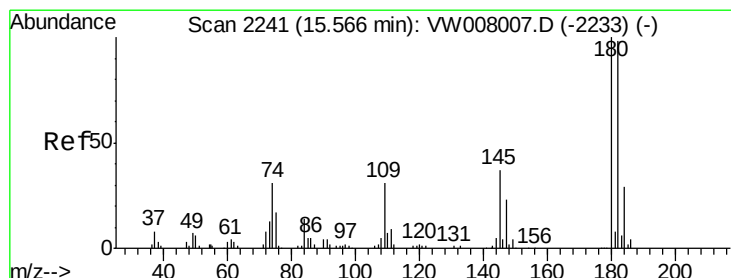
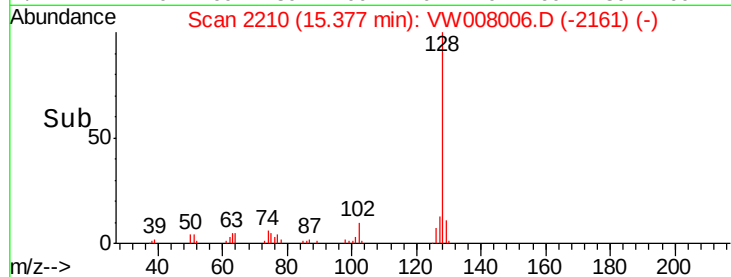
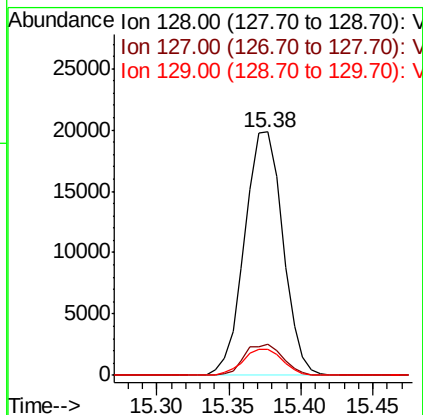
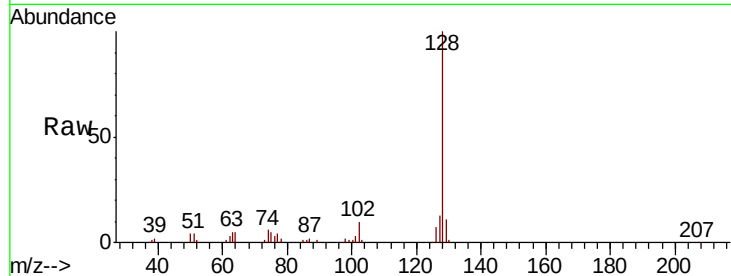
#95
Naphthalene
Concen: 20.444 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/3/2019 10:55:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.401 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008006.D
Acq: 02 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.9	143.8
145	38.5	18.7	56.1

