

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012345.D
 Acq On : 30 Aug 2019 12:00
 Operator : SY/VA
 Sample : VW0830SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 9:11:15 AM

Quant Time: Aug 30 16:41:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	132099	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.88	113	104914	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.32	98	424554	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.62	95	150129	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	20494	15.348	ug/l	91
3) Chloromethane	2.21	50	37574	18.163	ug/l	97
4) Vinyl Chloride	2.36	62	45098	17.811	ug/l	100
5) Bromomethane	2.77	94	23984	18.703	ug/l	92
6) Chloroethane	2.92	64	26145	18.304	ug/l	96
7) Trichlorofluoromethane	3.25	101	25361	19.947	ug/l	99
8) Diethyl Ether	3.68	74	23854	19.766	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41810	19.346	ug/l	99
10) Methyl Iodide	4.27	142	54401	18.604	ug/l	99
11) Tert butyl alcohol	5.17	59	17424	112.312	ug/l	98
12) 1,1-Dichloroethene	4.04	96	39912	18.349	ug/l	99
13) Acrolein	3.89	56	13633	93.354	ug/l	100
14) Allyl chloride	4.67	41	89454	19.236	ug/l	99
15) Acrylonitrile	5.36	53	64752	108.249	ug/l	99
16) Acetone	4.12	43	65880	99.974	ug/l	97
17) Carbon Disulfide	4.38	76	102710	15.624	ug/l	97
18) Methyl Acetate	4.67	43	39246	24.045	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	74144	21.078	ug/l	100
20) Methylene Chloride	4.92	84	49213	19.755	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	43532	18.663	ug/l	94
22) Diisopropyl ether	6.31	45	176073	20.427	ug/l	98
23) Vinyl Acetate	6.26	43	533478	100.567	ug/l	100
24) 1,1-Dichloroethane	6.21	63	92896	19.793	ug/l	98
25) 2-Butanone	7.17	43	93020	103.878	ug/l	100
26) 2,2-Dichloropropane	7.16	77	52922	19.922	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	48794	19.579	ug/l	100
28) Bromochloromethane	7.51	49	42807	20.927	ug/l	99
29) Tetrahydrofuran	7.52	42	60268	112.180	ug/l	99
30) Chloroform	7.67	83	86033	20.036	ug/l	97
31) Cyclohexane	7.95	56	83281	17.935	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	67755	19.947	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69481	19.512	ug/l	99
37) Ethyl Acetate	7.25	43	42840	21.955	ug/l	100
38) Carbon Tetrachloride	8.06	117	60276	19.557	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73229	18.306	ug/l	100
40) Benzene	8.32	78	188857	19.423	ug/l	100
41) Methacrylonitrile	7.48	41	23244	20.268	ug/l	93
42) 1,2-Dichloroethane	8.40	62	62211	20.415	ug/l	99
43) Isopropyl Acetate	8.42	43	77287	21.383	ug/l	99
44) Trichloroethene	9.09	130	46115	19.510	ug/l	96
45) 1,2-Dichloropropane	9.37	63	51571	19.708	ug/l	100
46) Dibromomethane	9.46	93	23149	19.883	ug/l	99
47) Bromodichloromethane	9.65	83	61490	19.844	ug/l	97
48) Methyl methacrylate	9.43	41	34589	20.107	ug/l	94
49) 1,4-Dioxane	9.45	88	7270	407.879	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	198868	108.175	ug/l	99
52) Toluene	10.39	92	115153	19.714	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	62878	19.921	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	74373	19.515	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	34300	20.822	ug/l	98
56) Ethyl methacrylate	10.65	69	50922	21.239	ug/l	99
57) 1,3-Dichloropropane	10.93	76	63974	20.551	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	136627	111.037	ug/l	100
59) 2-Hexanone	10.97	43	140455	107.977	ug/l	99
60) Dibromochloromethane	11.13	129	37326	20.343	ug/l	98
61) 1,2-Dibromoethane	11.23	107	32232	21.002	ug/l	98
64) Tetrachloroethene	10.86	164	37650	19.488	ug/l	100
65) Chlorobenzene	11.66	112	117453	20.017	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	40973	20.016	ug/l	98
67) Ethyl Benzene	11.73	91	223983	19.816	ug/l	98
68) m/p-Xylenes	11.84	106	160368	39.388	ug/l	100
69) o-Xylene	12.16	106	75783	20.110	ug/l	100
70) Styrene	12.18	104	130942	20.075	ug/l	99
71) Bromoform	12.35	173	21039	20.629	ug/l #	100
73) Isopropylbenzene	12.46	105	214859	20.093	ug/l	100
74) N-amyl acetate	12.27	43	68456	21.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42283	21.569	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	28645m	20.610	ug/l	
77) Bromobenzene	12.75	156	46900	20.274	ug/l	99
78) n-propylbenzene	12.80	91	262121	20.080	ug/l	100
79) 2-Chlorotoluene	12.89	91	147918	19.958	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	180780	20.233	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12407	19.573	ug/l	92
82) 4-Chlorotoluene	12.99	91	156690	20.192	ug/l	100
83) tert-Butylbenzene	13.21	119	154886	20.464	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	180971	20.163	ug/l	100
85) sec-Butylbenzene	13.38	105	219227	20.217	ug/l	100
86) p-Isopropyltoluene	13.50	119	197629	20.408	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	92584	20.462	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	91365	20.336	ug/l	97
89) n-Butylbenzene	13.82	91	192392	19.978	ug/l	99
90) Hexachloroethane	14.09	117	33642	19.801	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	81432	20.515	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6896	20.866	ug/l	98

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MSVOA_W
ClientSampleId :
VW0830SBSD01

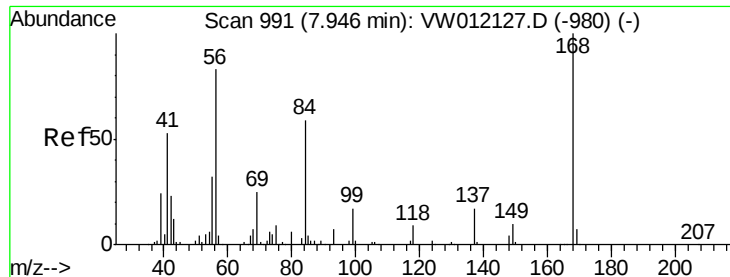
Manual Integrations
APPROVED

MMDadoda
8/31/2019 9:11:15 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	56891	20.740	ug/l	100
94) Hexachlorobutadiene	15.24	225	38979	21.520	ug/l	96
95) Naphthalene	15.36	128	102469	21.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	50313	21.023	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion:168 Resp: 216860

Ion Ratio Lower Upper

168 100

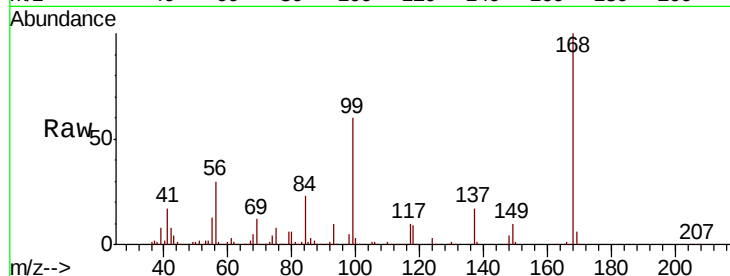
99 59.5 49.2 73.8

Manual Integrations

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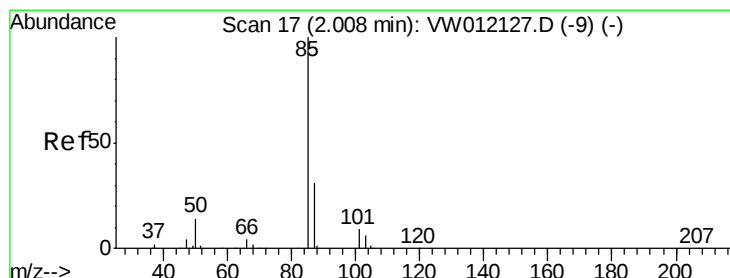
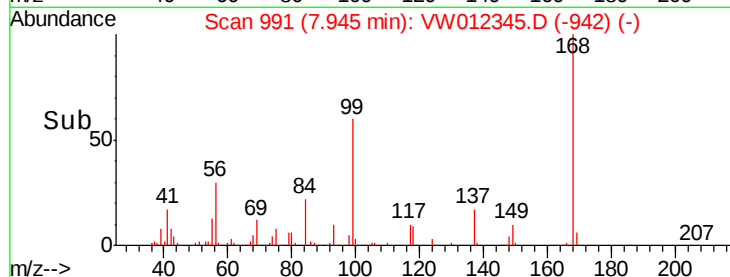
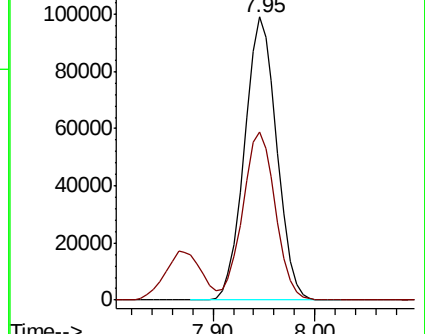
MMDadoda

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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: 15.348 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012345.D

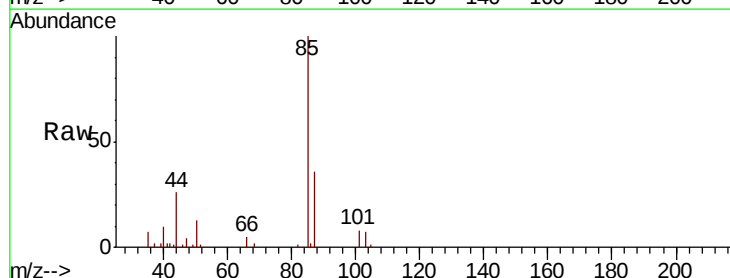
Acq: 30 Aug 2019 12:00

Tgt Ion: 85 Resp: 20494

Ion Ratio Lower Upper

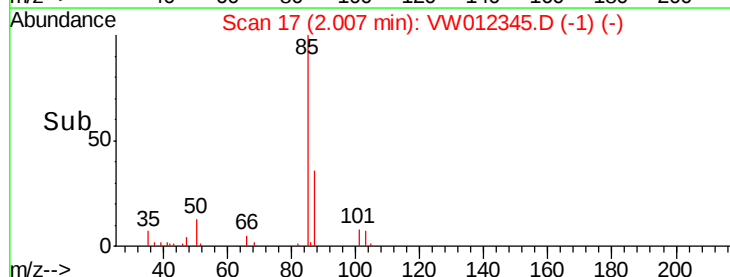
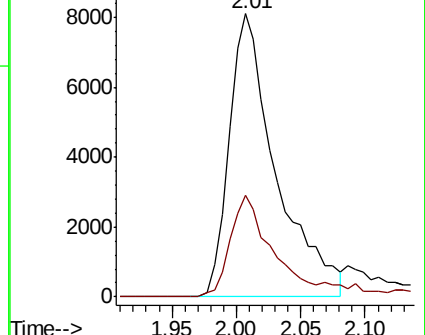
85 100

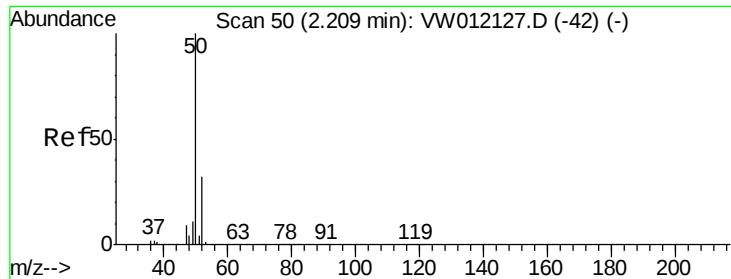
87 35.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.163 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBSD01

Tot Ion: 50 Resp: 37574

Ion Ratio Lower Upper

50 100

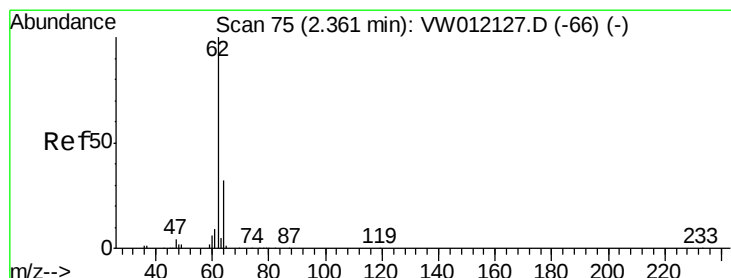
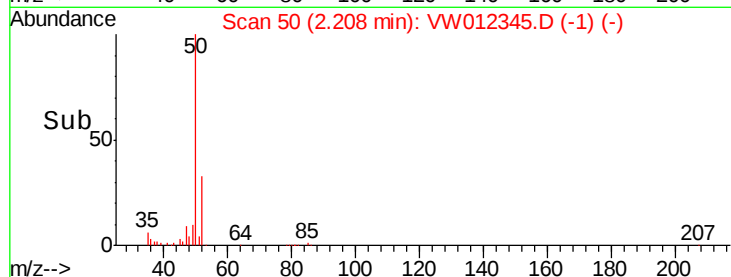
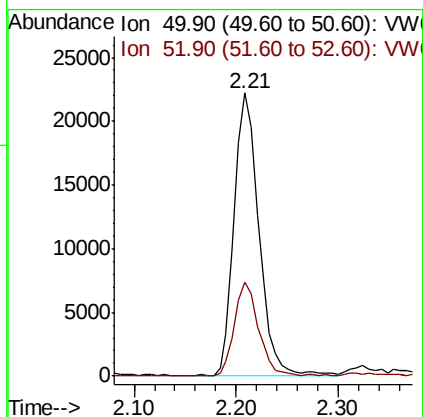
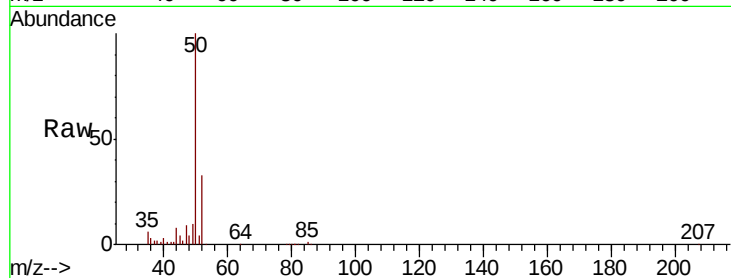
52 33.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.811 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012345.D

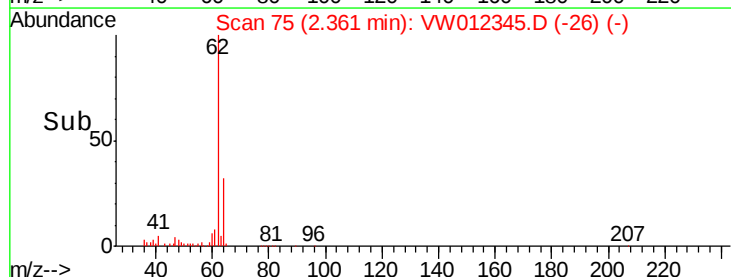
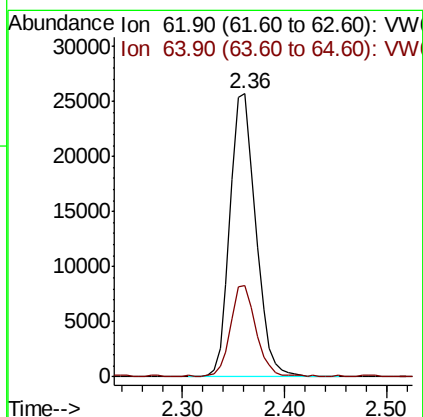
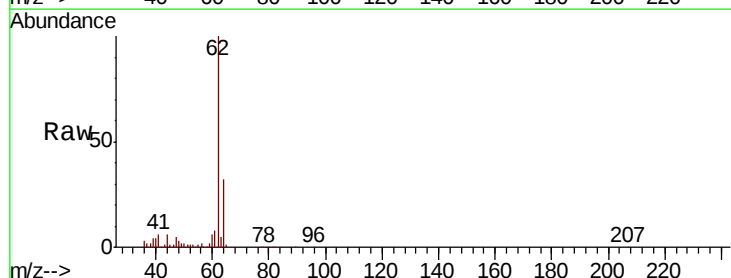
Acq: 30 Aug 2019 12:00

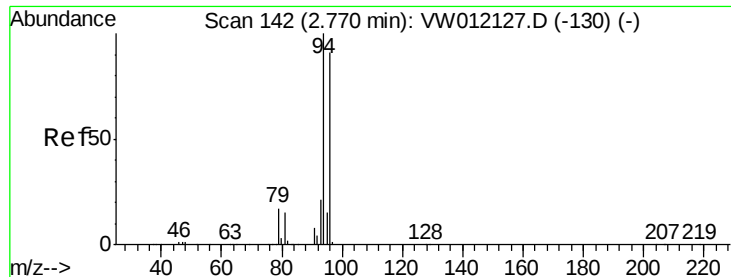
Tgt Ion: 62 Resp: 45098

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 18.703 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBSD01

Tot Ion: 94 Resp: 23984

Ion Ratio Lower Upper

94 100

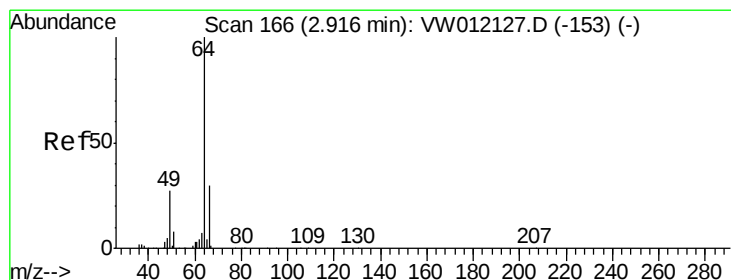
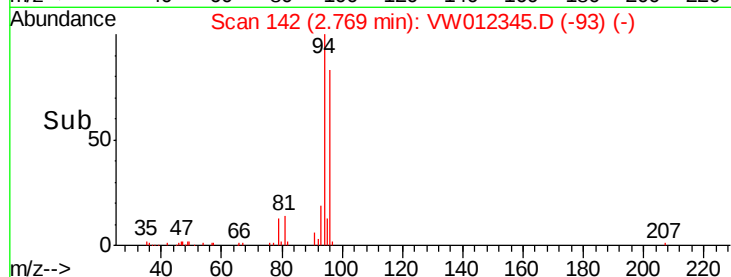
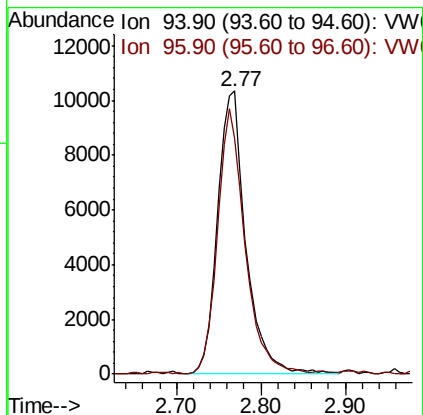
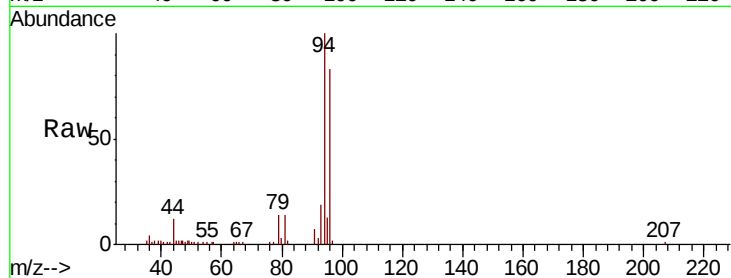
96 83.5 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 18.304 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012345.D

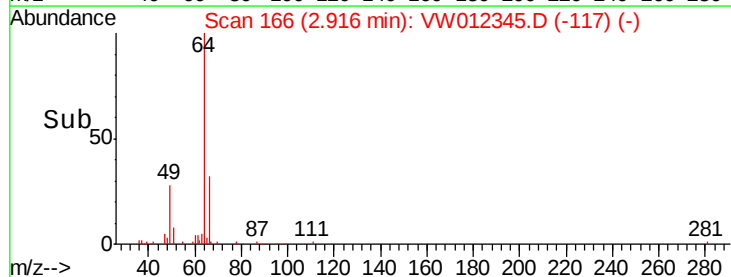
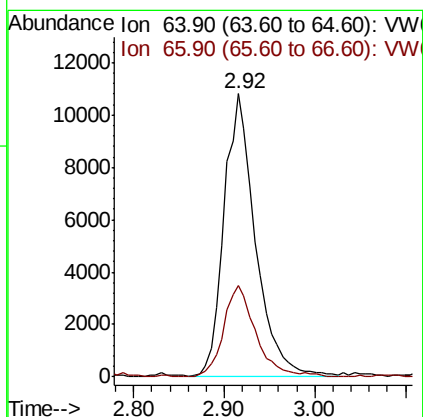
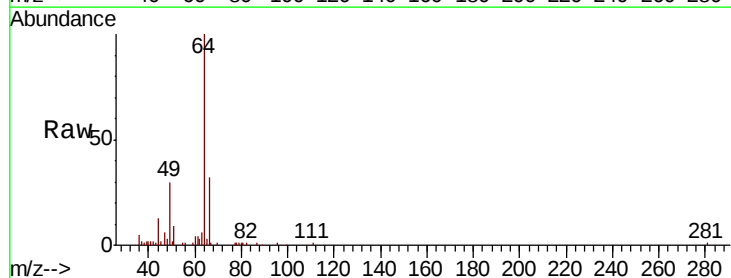
Acq: 30 Aug 2019 12:00

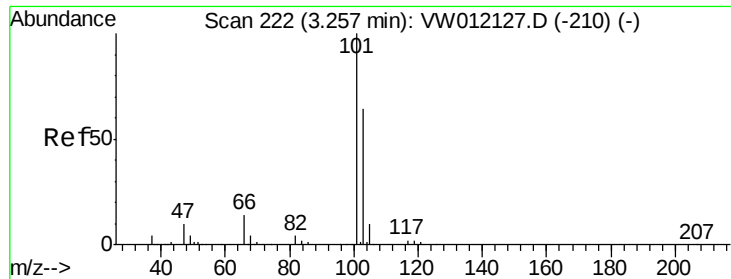
Tgt Ion: 64 Resp: 26145

Ion Ratio Lower Upper

64 100

66 32.2 23.8 35.8





#7

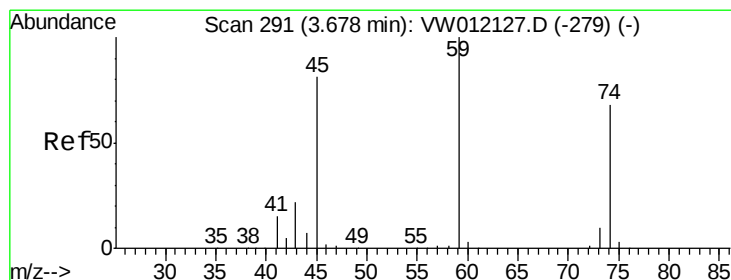
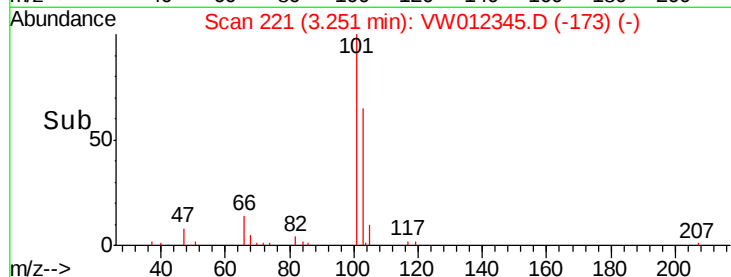
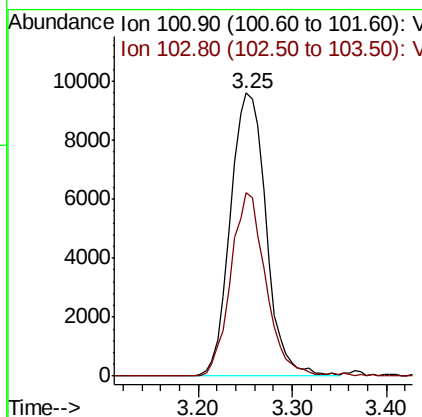
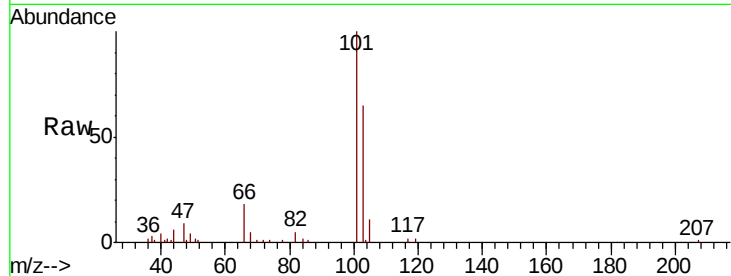
Trichlorofluoromethane
Concen: 19.947 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.2	76.8

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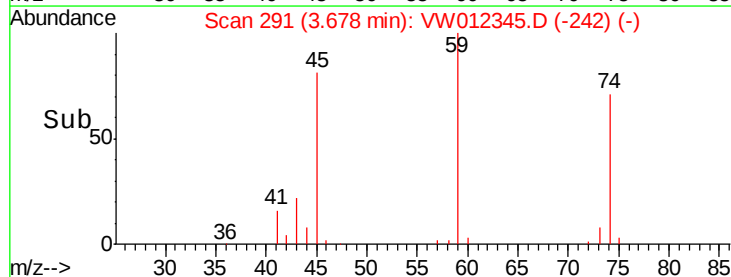
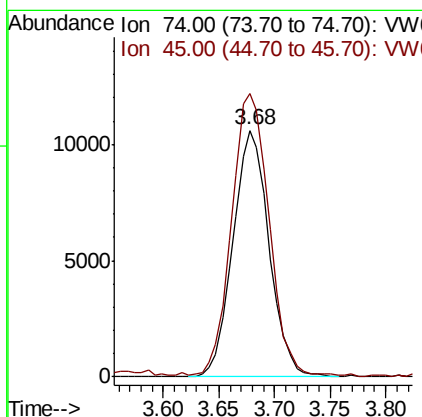
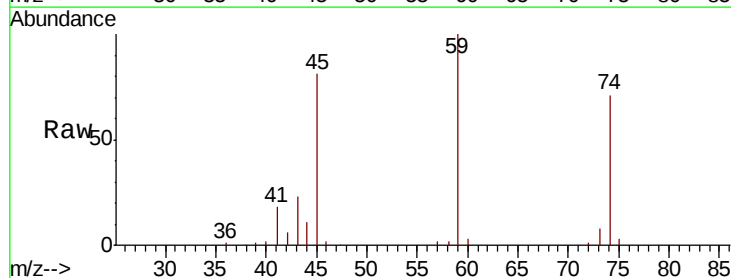
MMDadoda
8/31/2019 9:11:15 AM

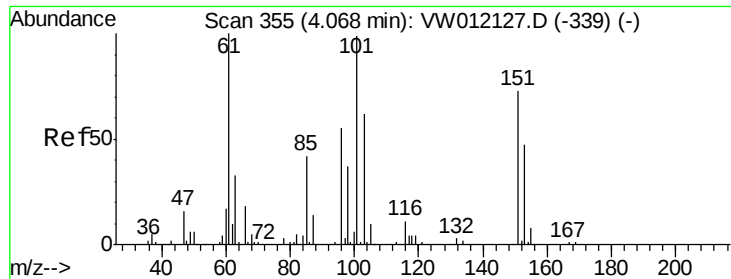


#8

Diethyl Ether
Concen: 19.766 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.6	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.346 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

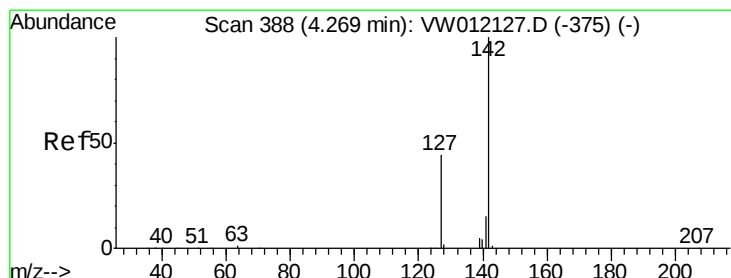
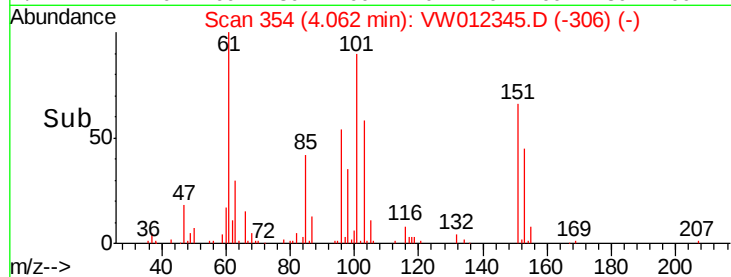
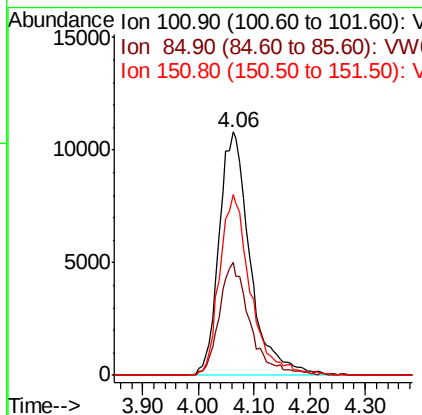
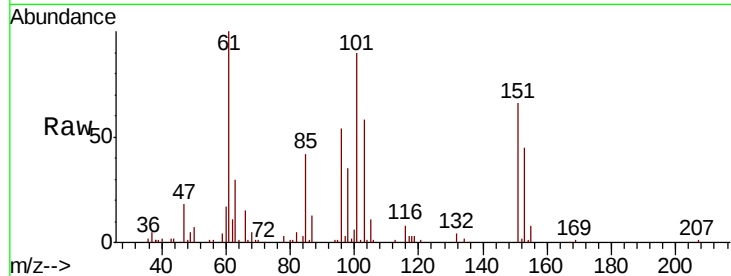
ClientSampleId :

VW0830SBS01

Tot Ion:	101	Resp:	41810
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.8	53.6
151	73.4	58.6	87.8

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#10

Methyl Iodide

Concen: 18.604 ug/l

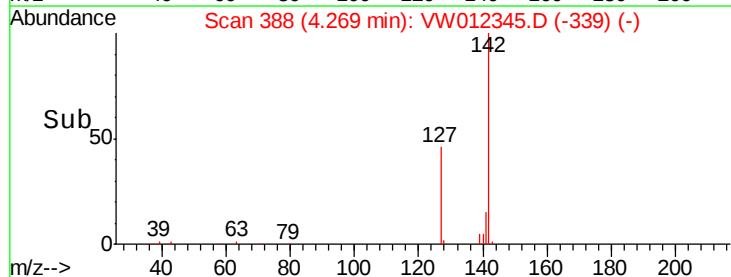
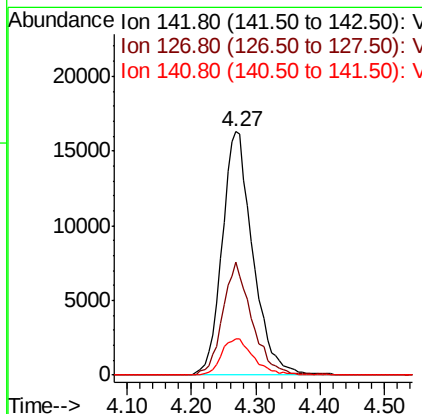
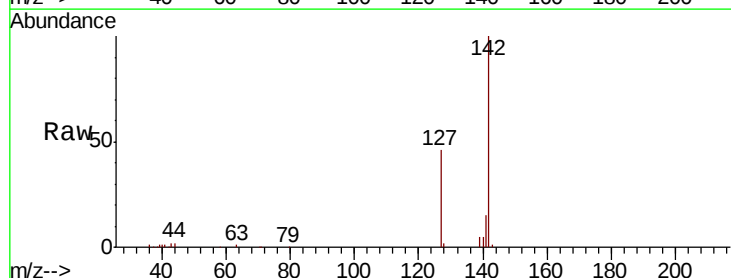
RT: 4.27 min Scan# 388

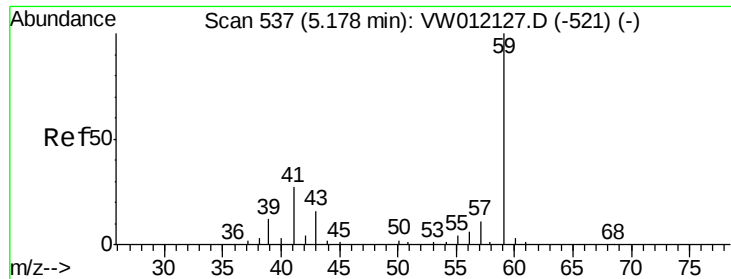
Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion:	142	Resp:	54401
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.5	53.3
141	15.5	11.8	17.8





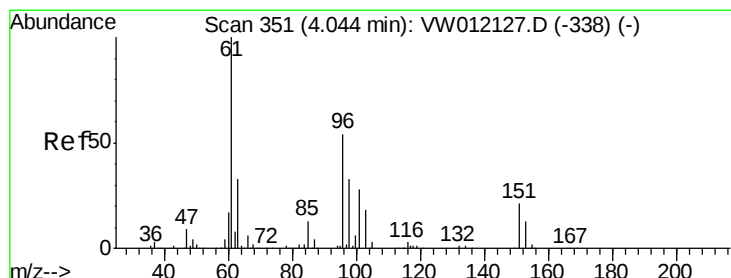
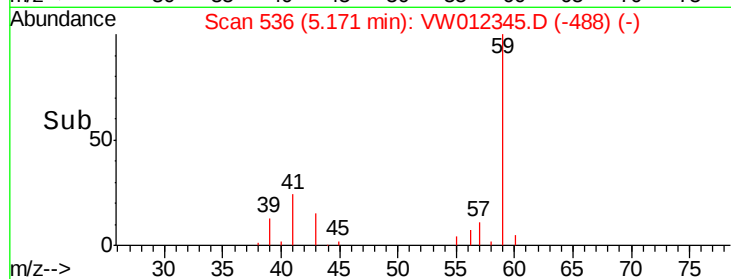
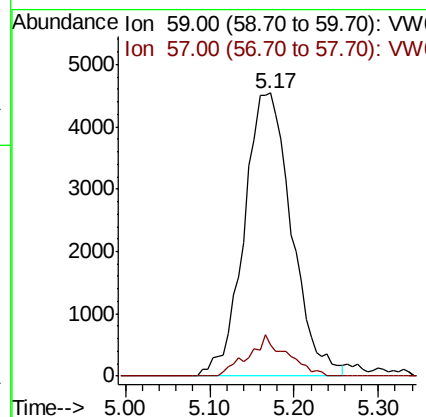
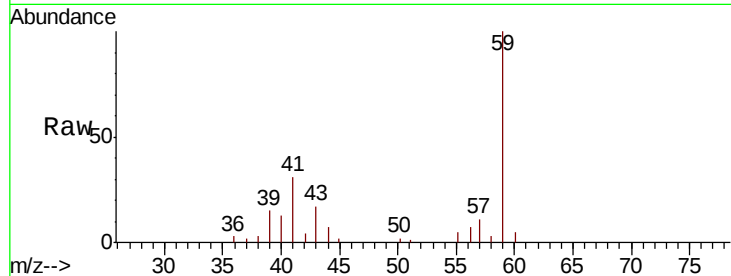
#11
Tert butyl alcohol
Concen: 112.312 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		17424		
57	11.9		9.0	13.4	

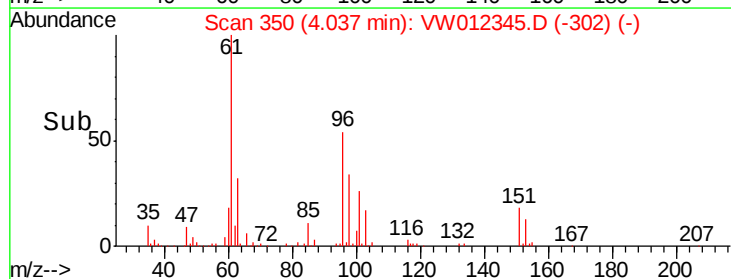
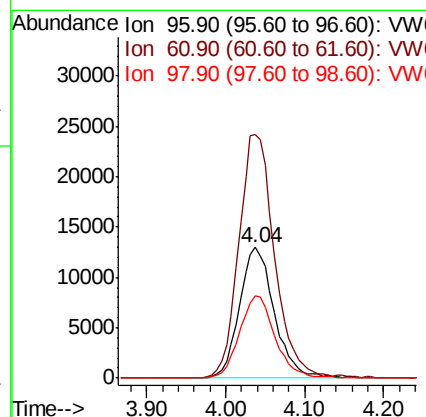
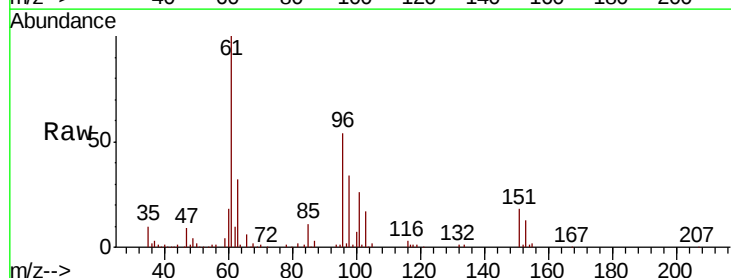
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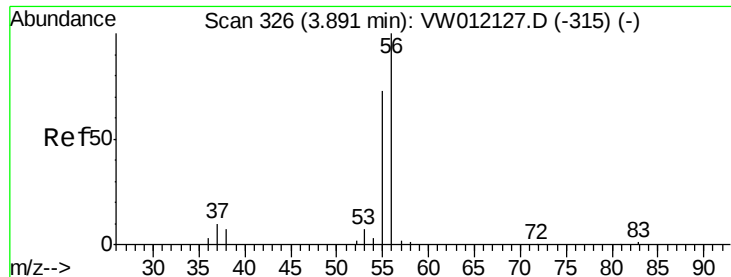
MMDadoda
8/31/2019 9:11:15 AM



#12
1,1-Dichloroethene
Concen: 18.349 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		39912		
61	186.6		149.1	223.7	
98	63.2		49.4	74.2	





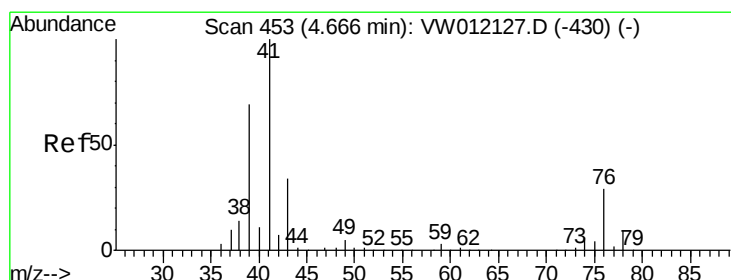
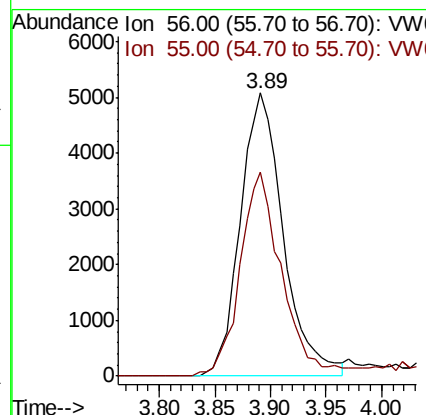
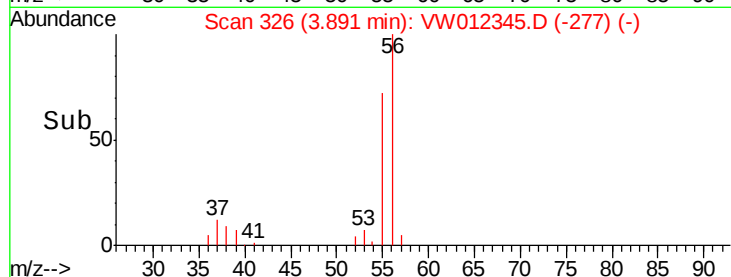
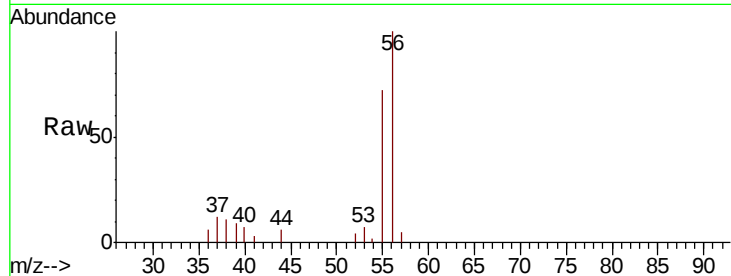
#13
Acrolein
Concen: 93.354 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	56	Resp	13633
Ion Ratio	100	Lower	Upper
56	100		
55	69.6	55.8	83.8

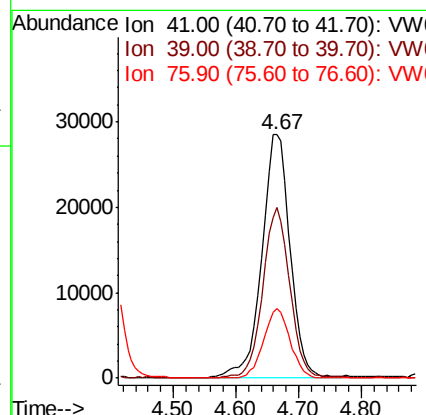
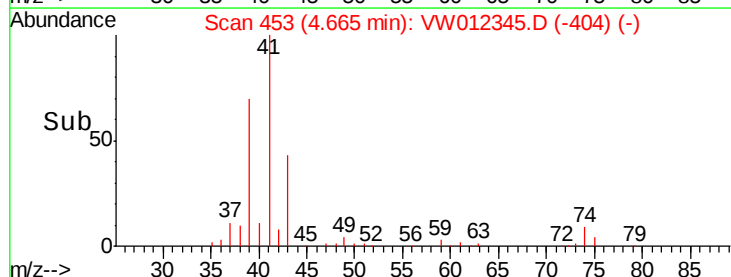
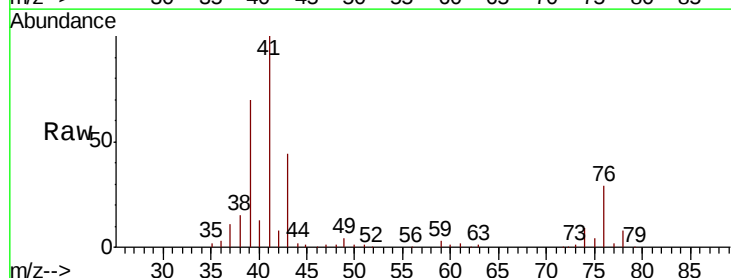
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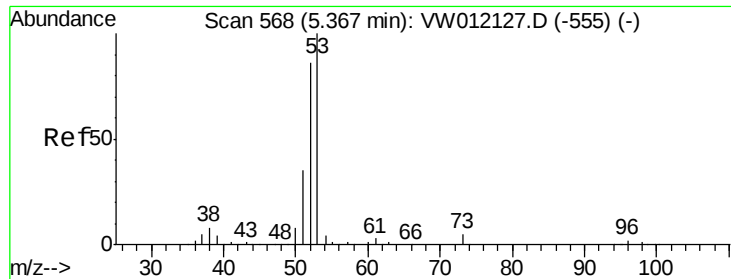
MMDadoda
8/31/2019 9:11:15 AM



#14
Allyl chloride
Concen: 19.236 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	41	Resp	89454
Ion Ratio	100	Lower	Upper
41	100		
39	66.4	53.4	80.2
76	26.8	22.1	33.1





#15

Acrylonitrile

Concen: 108.249 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

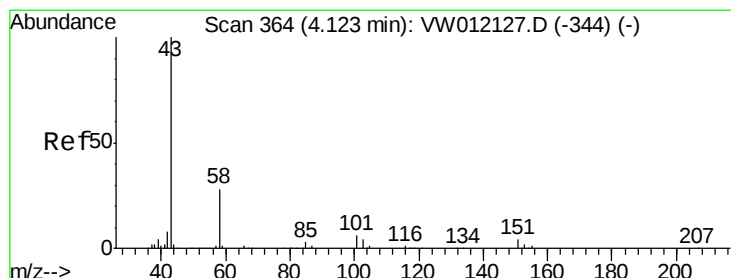
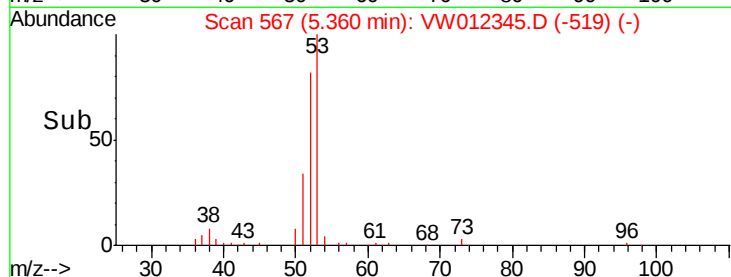
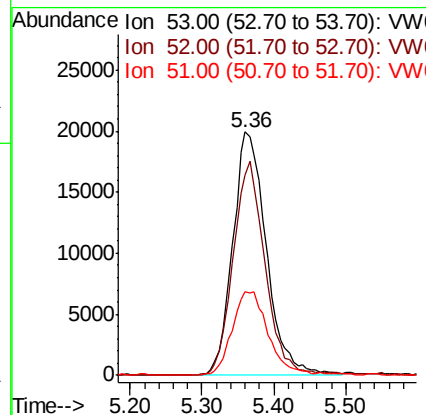
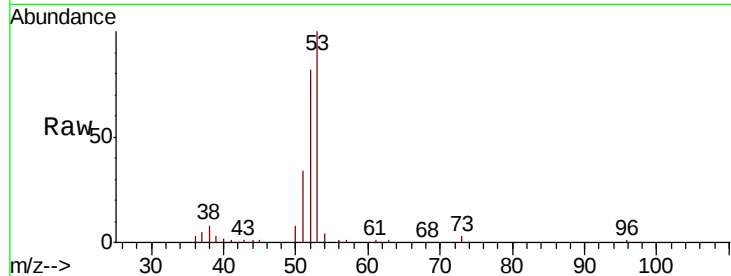
ClientSampleId :

VW0830SBS01

Tot Ion:	53	Resp:	64752
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.7	100.1
51	37.3	30.1	45.1

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#16

Acetone

Concen: 99.974 ug/l

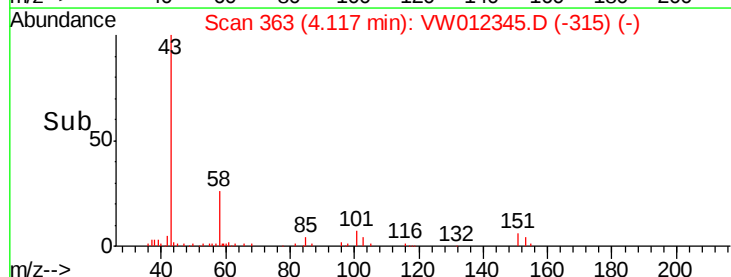
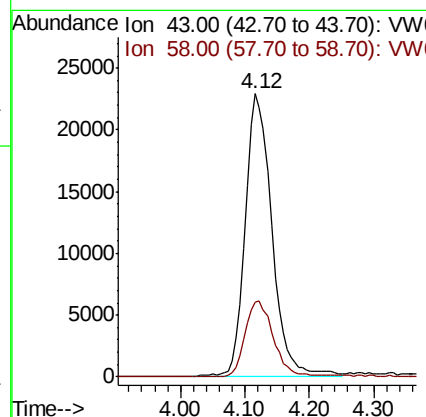
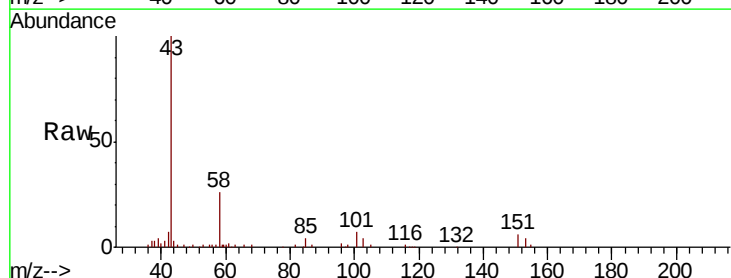
RT: 4.12 min Scan# 363

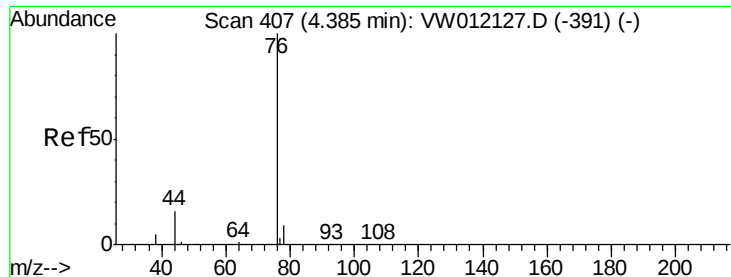
Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion:	43	Resp:	65880
Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.4	33.6





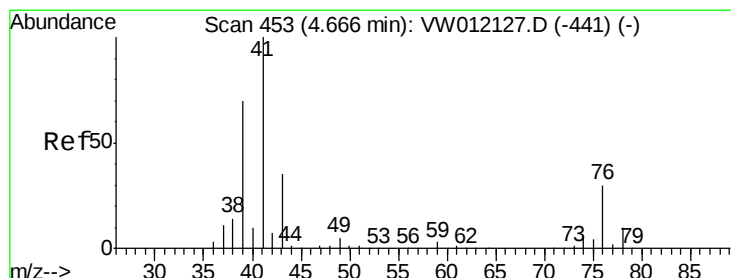
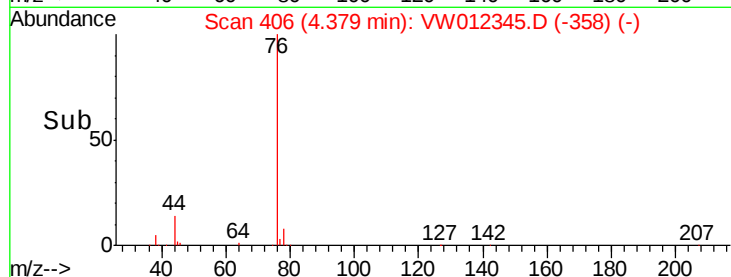
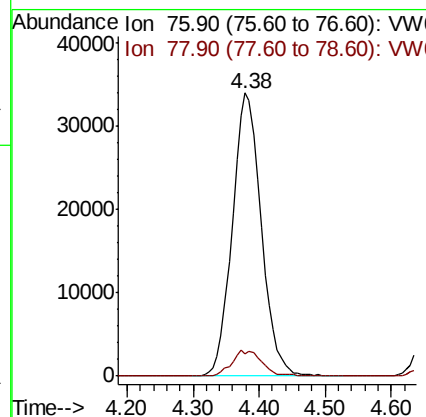
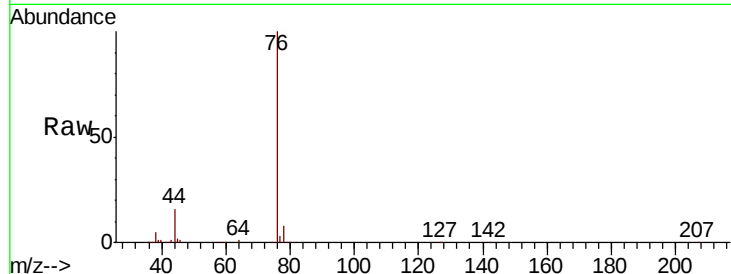
#17
Carbon Disulfide
Concen: 15.624 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9

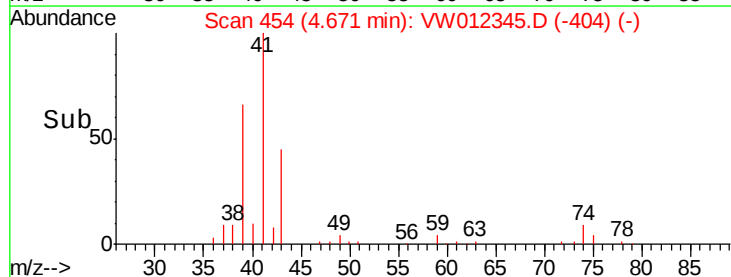
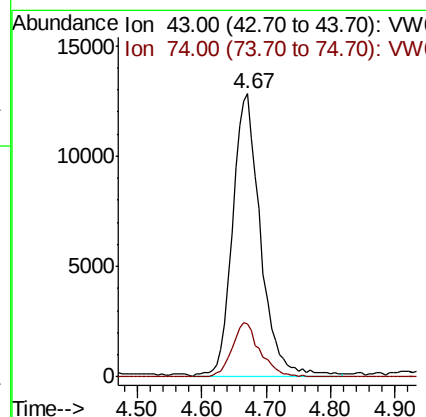
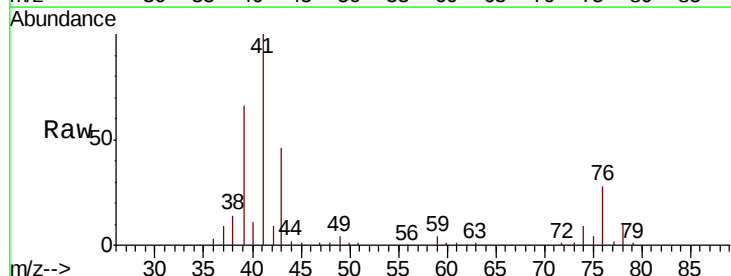
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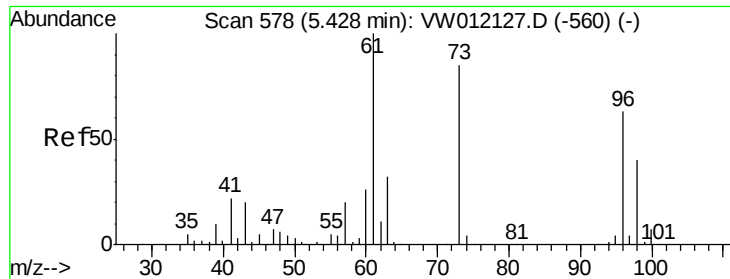
MMDadoda
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#18
Methyl Acetate
Concen: 24.045 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	15.7	23.5





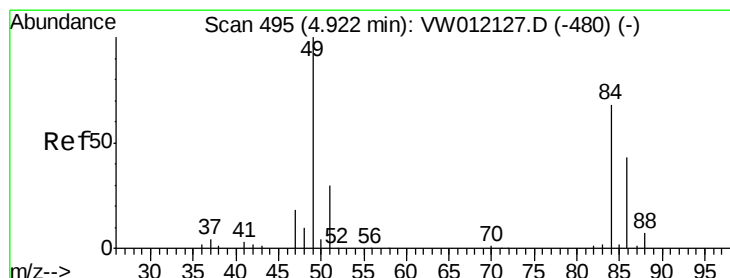
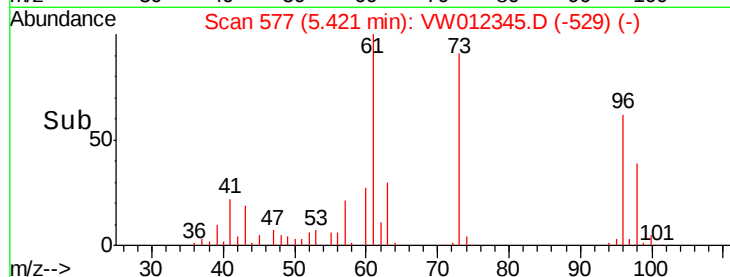
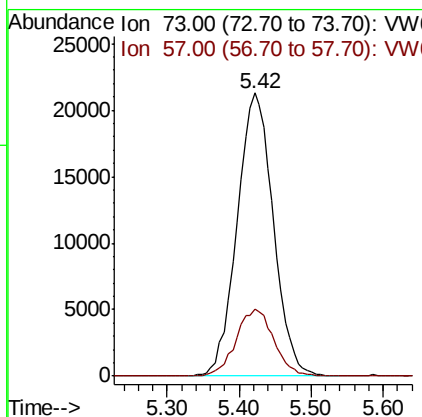
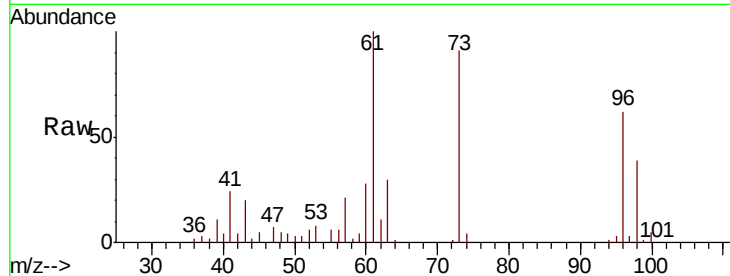
#19
Methvl tert-butvl Ether
Concen: 21.078 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion: 73 Resp: 74144
Ion Ratio Lower Upper
73 100
57 23.7 18.9 28.3

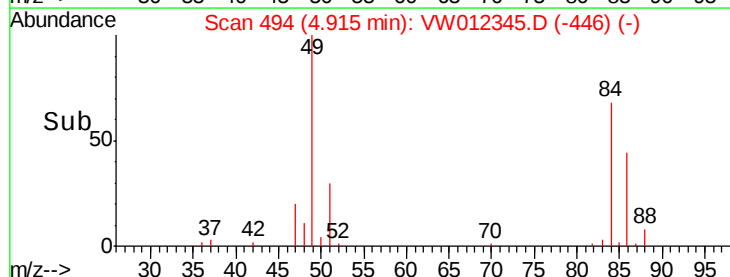
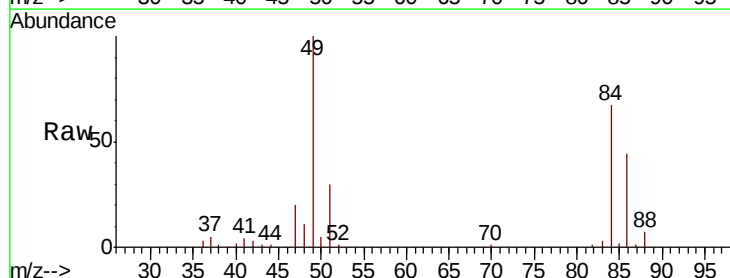
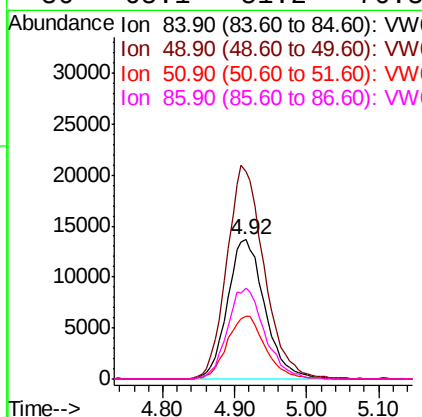
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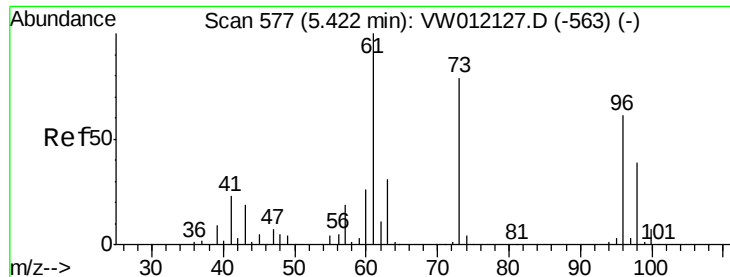
MMDadoda
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#20
Methylene Chloride
Concen: 19.755 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion: 84 Resp: 49213
Ion Ratio Lower Upper
84 100
49 148.5 117.8 176.8
51 45.3 35.6 53.4
86 65.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.663 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 96 Resp: 43532

Ion Ratio Lower Upper

96 100

61 155.5 131.4 197.0

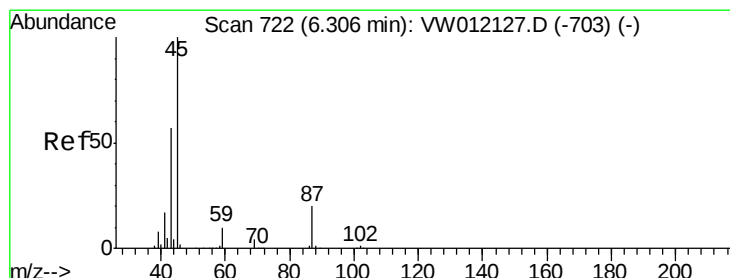
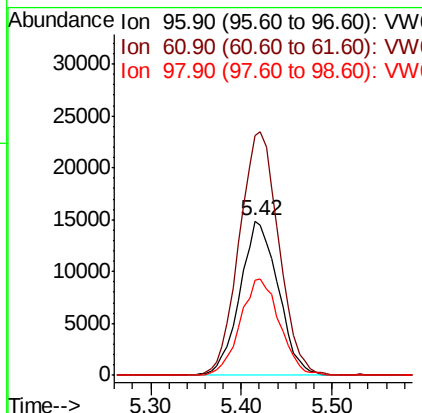
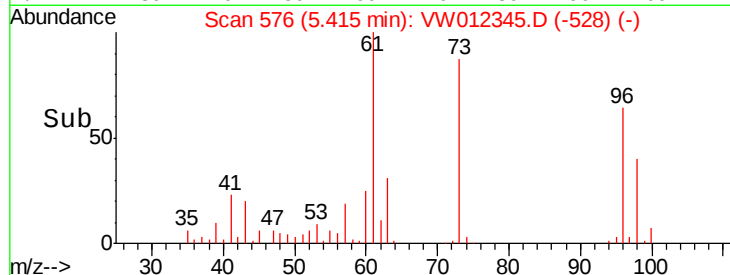
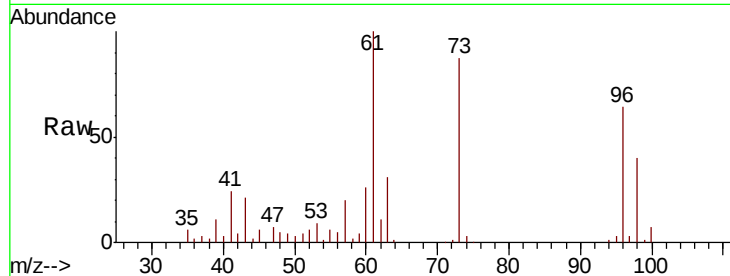
98 61.6 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.427 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion: 45 Resp: 176073

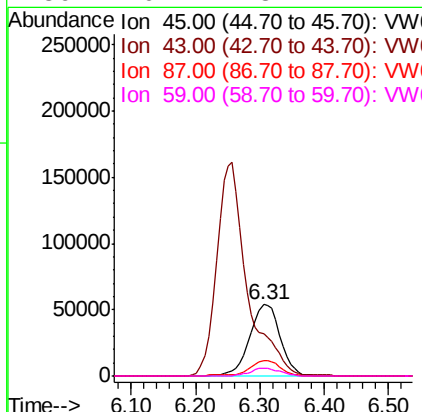
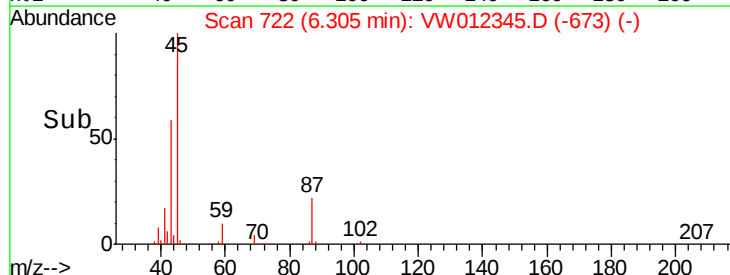
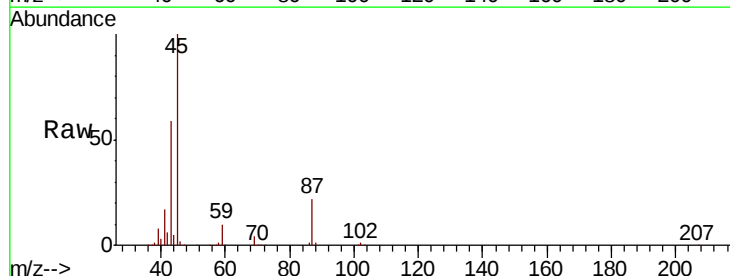
Ion Ratio Lower Upper

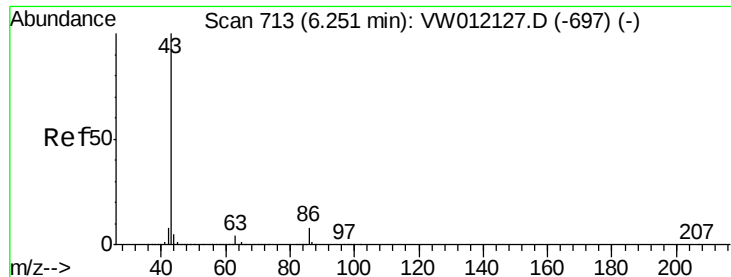
45 100

43 58.7 45.5 68.3

87 21.8 16.1 24.1

59 10.1 8.2 12.2





#23

Vinyl Acetate

Concen: 100.567 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 43 Resp: 533478

Ion Ratio Lower Upper

43 100

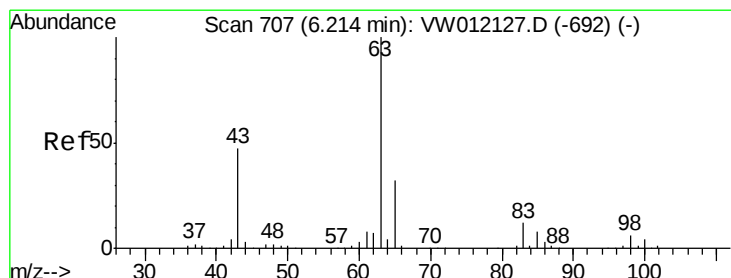
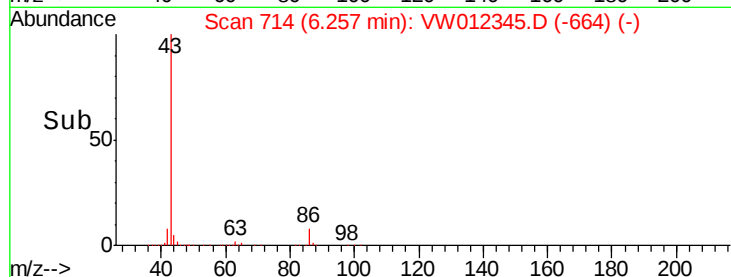
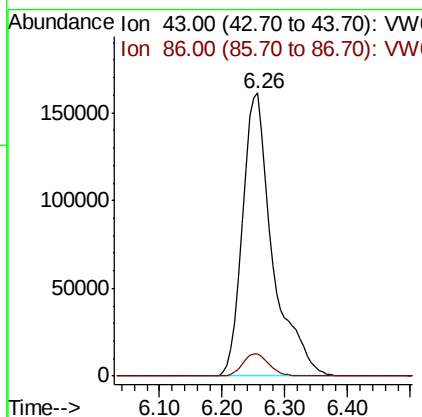
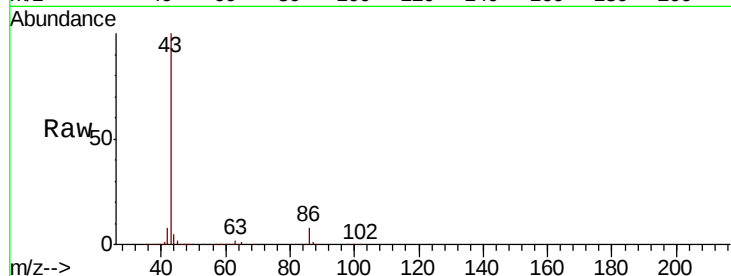
86 8.0 6.5 9.7

Manual Integrations

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MMDadoda

8/31/2019 9:11:15 AM



#24

1,1-Dichloroethane

Concen: 19.793 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

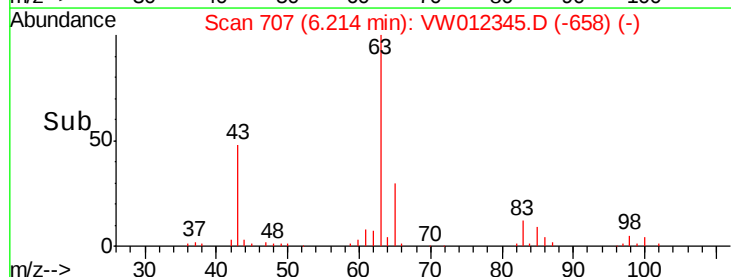
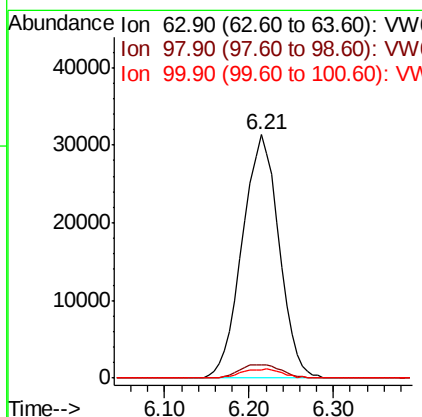
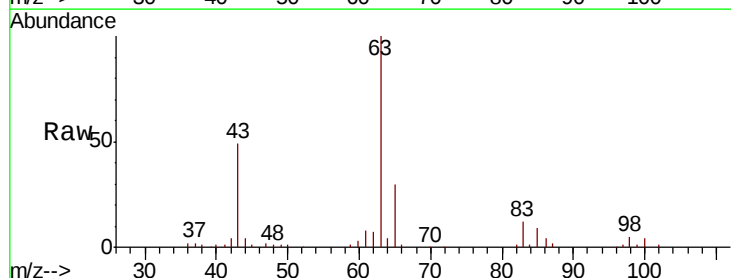
Tgt Ion: 63 Resp: 92896

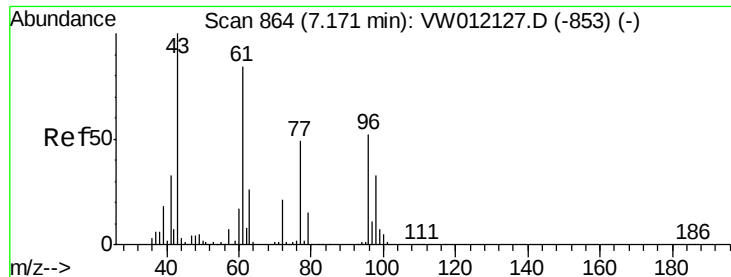
Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 103.878 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBSD01

Tot Ion: 43 Resp: 93020

Ion Ratio Lower Upper

43 100

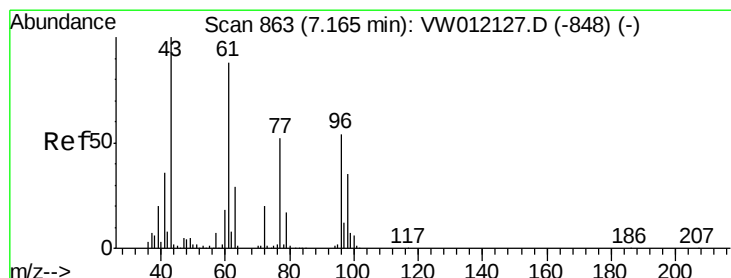
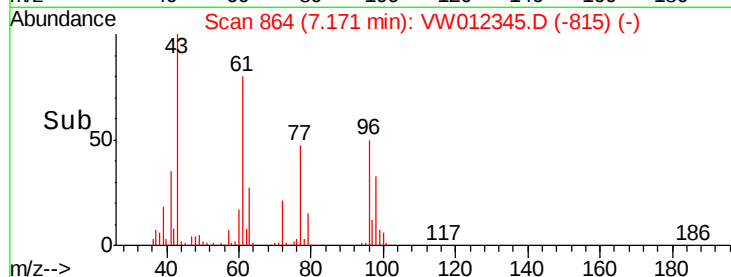
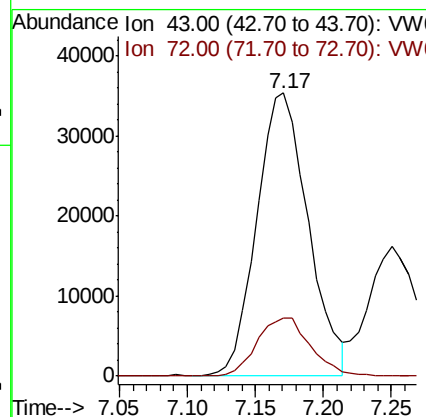
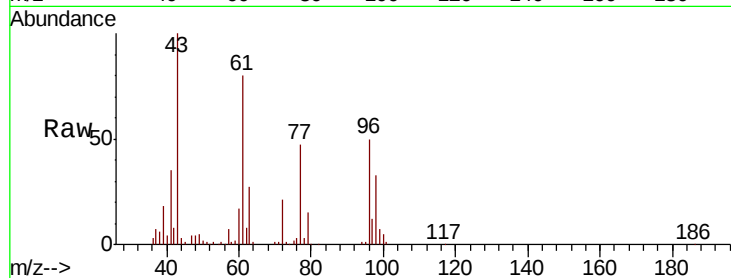
72 20.6 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.922 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012345.D

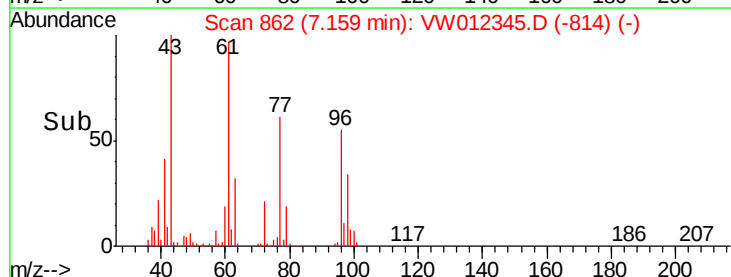
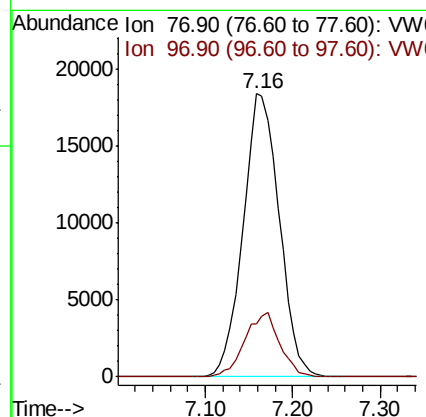
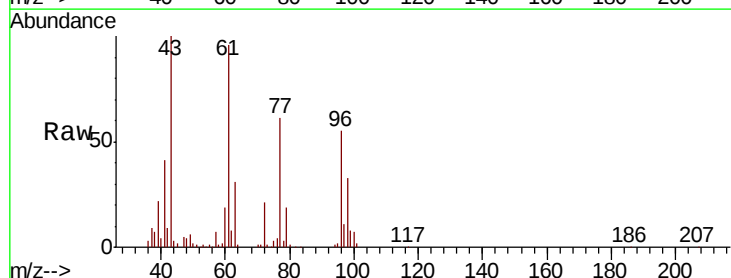
Acq: 30 Aug 2019 12:00

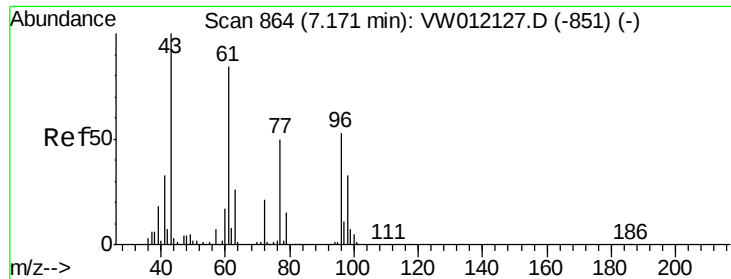
Tgt Ion: 77 Resp: 52922

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1





#27

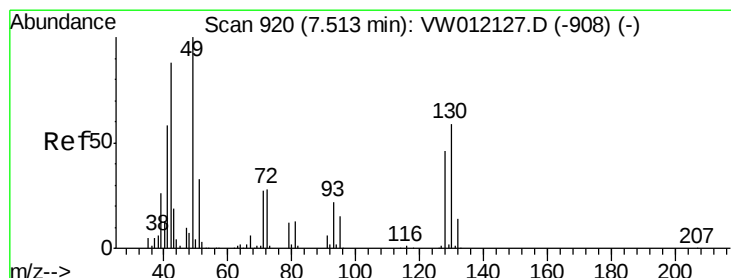
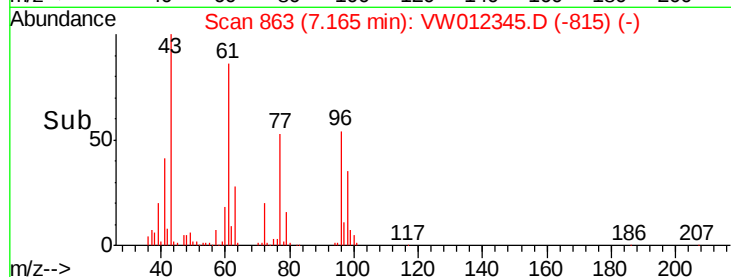
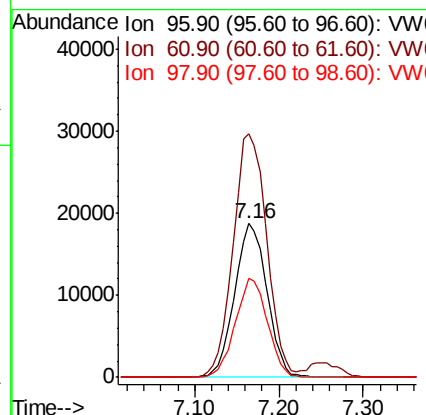
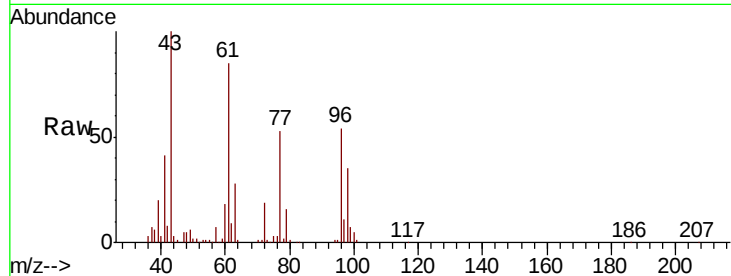
cis-1,2-Dichloroethene
 Concen: 19.579 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.1	0.0	326.6
98	63.6	0.0	127.4

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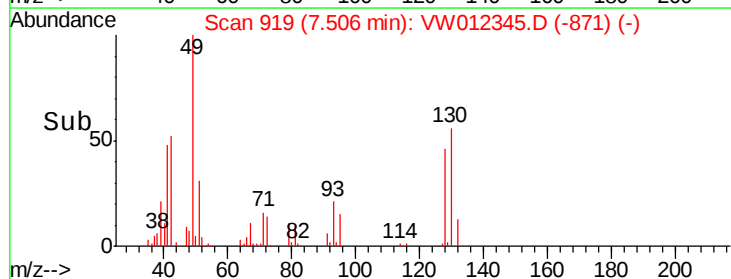
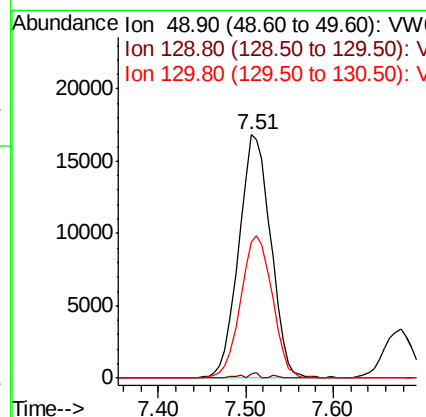
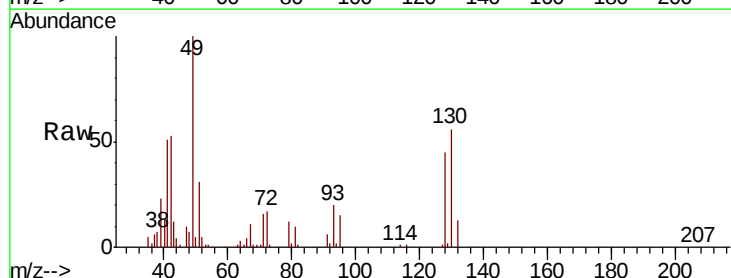
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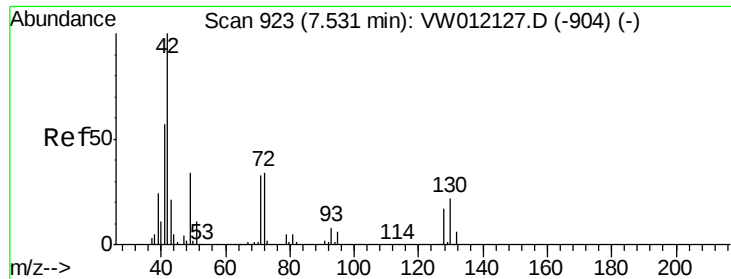


#28

Bromochloromethane
 Concen: 20.927 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	57.8	45.5	68.3





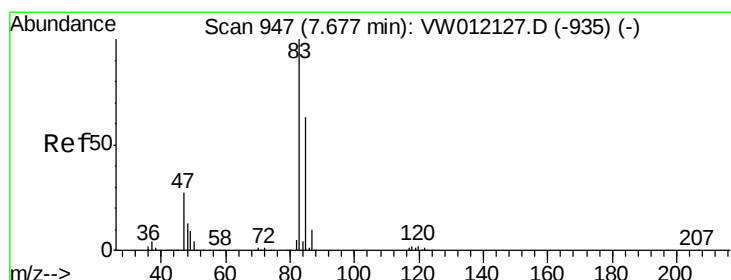
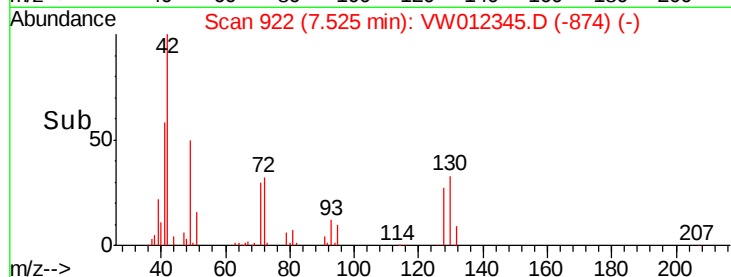
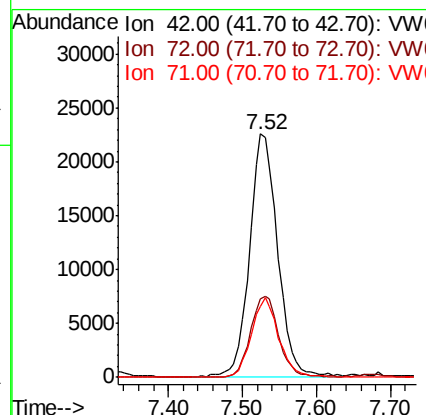
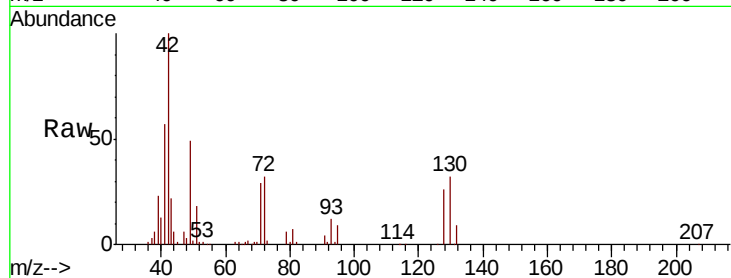
#29
Tetrahydrofuran
Concen: 112.180 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion:	42	Resp:	60268
Ion	Ratio	Lower	Upper
42	100		
72	33.2	27.3	40.9
71	31.6	25.5	38.3

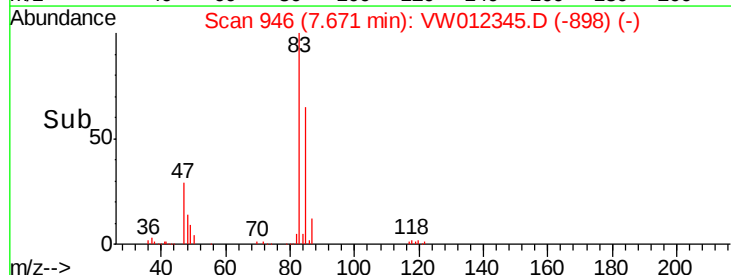
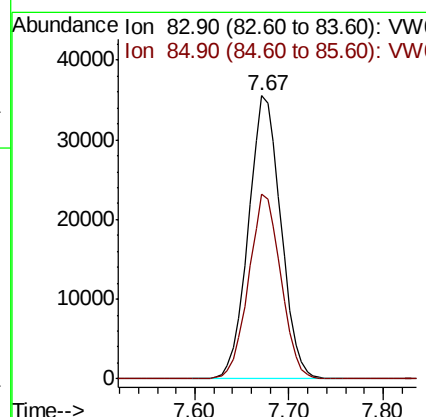
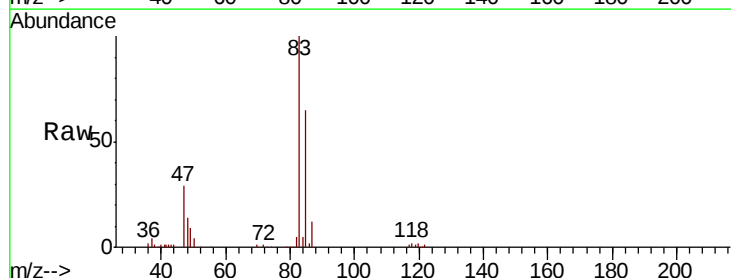
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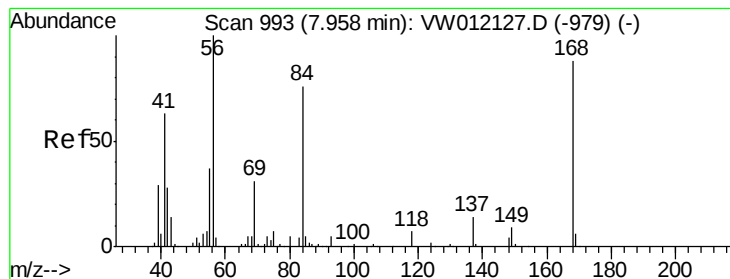
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#30
Chloroform
Concen: 20.036 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion:	83	Resp:	86033
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	76.0





#31

Cyclohexane

Concen: 17.935 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

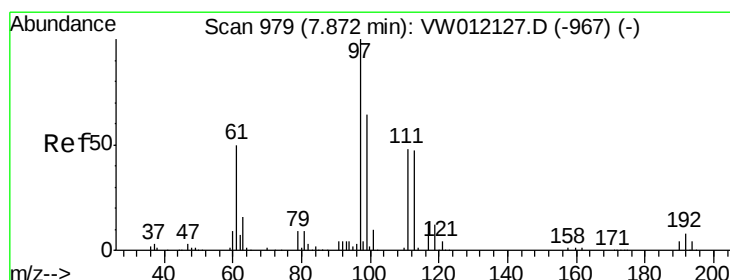
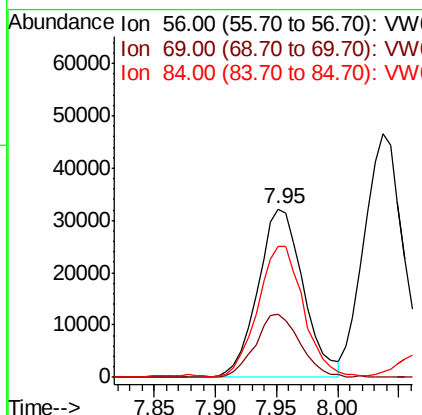
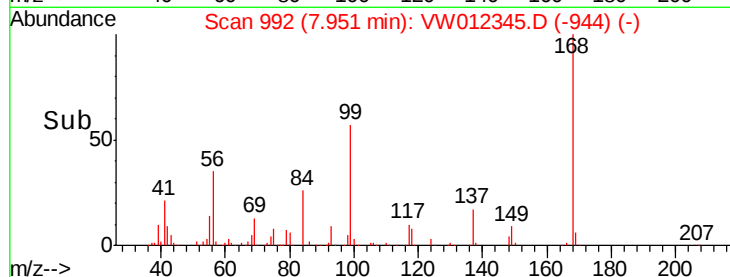
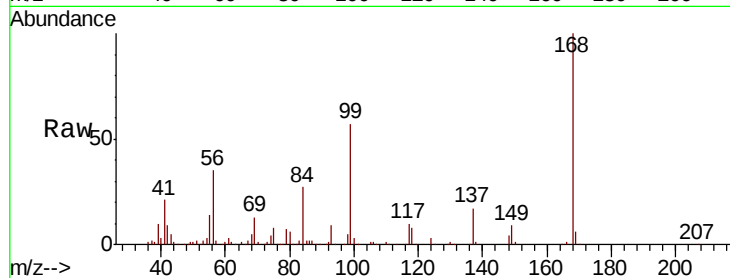
ClientSampleId :

VW0830SBS01

Tot Ion:	56	Resp:	83281
Ion Ratio	Lower	Upper	
56	100		
69	37.2	24.9	37.3
84	76.5	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 19.947 ug/l

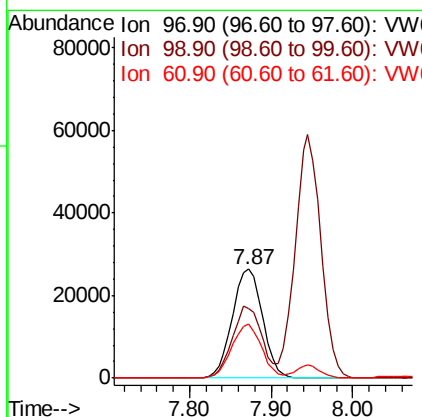
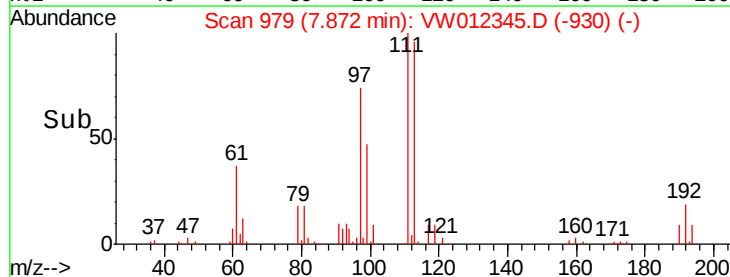
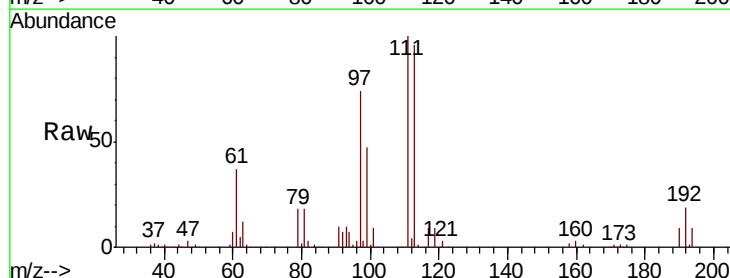
RT: 7.87 min Scan# 979

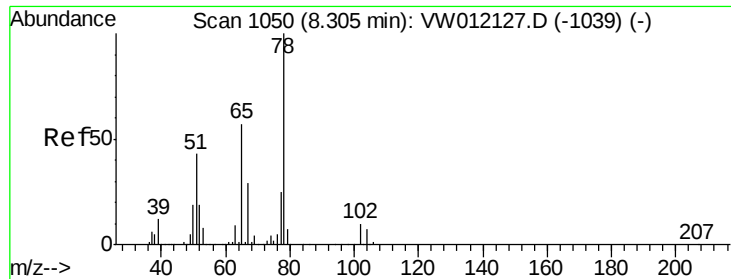
Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion:	97	Resp:	67755
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.4	77.0
61	48.7	39.5	59.3





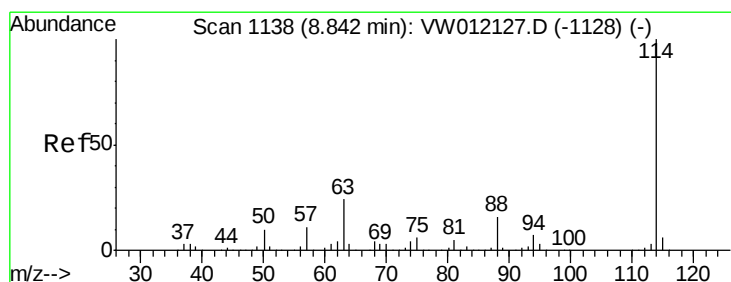
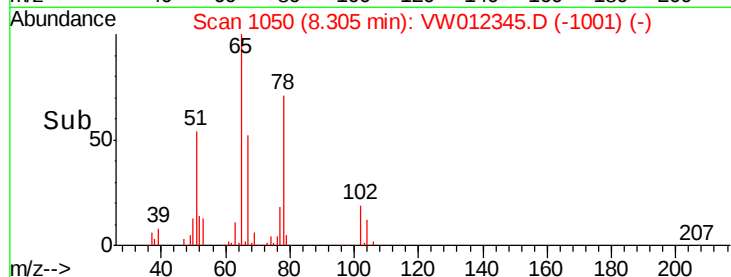
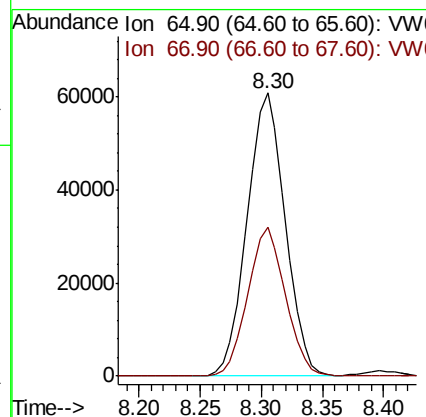
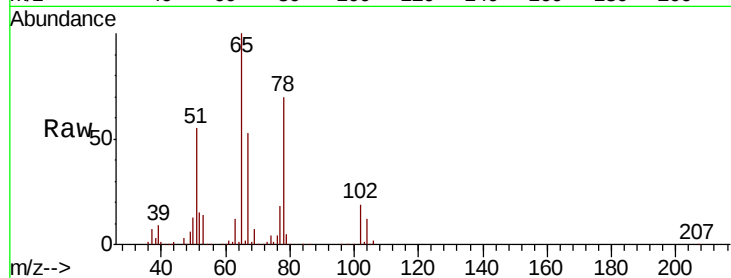
#33
 1,2-Dichloroethane-d4
 Concen: 51.242 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampled :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132099		
67	52.0	0.0	102.6	

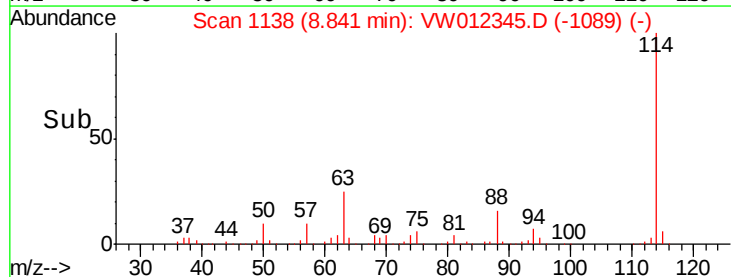
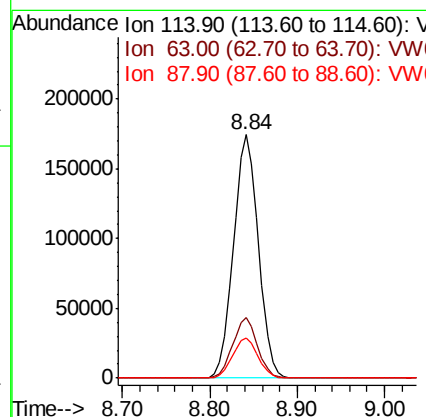
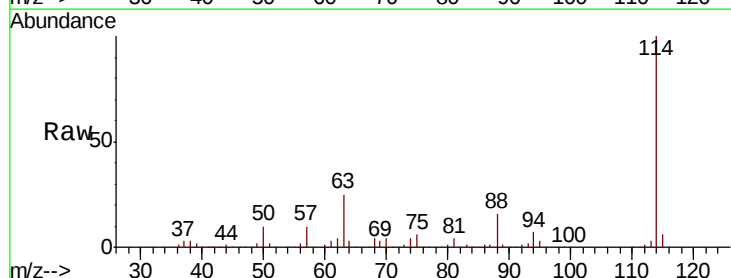
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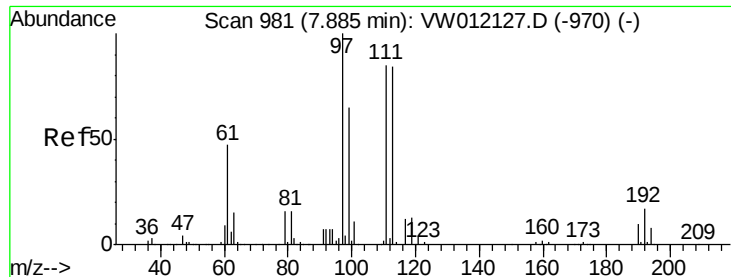
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	344581		
63	25.0	0.0	48.6	
88	16.5	0.0	32.2	





#35

Dibromofluoromethane

Concen: 51.008 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

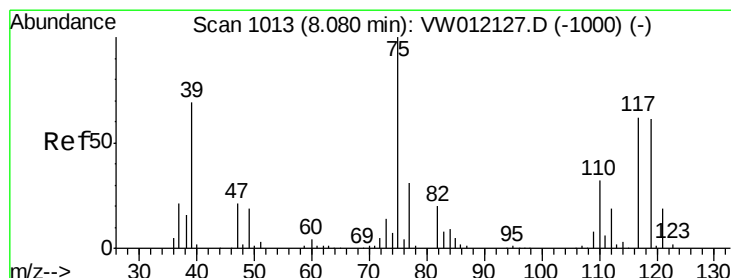
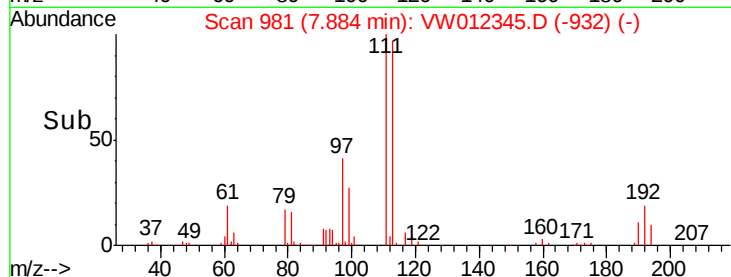
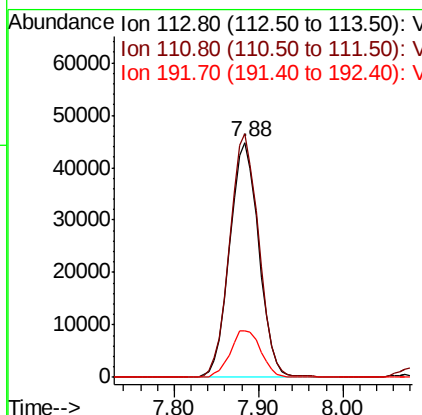
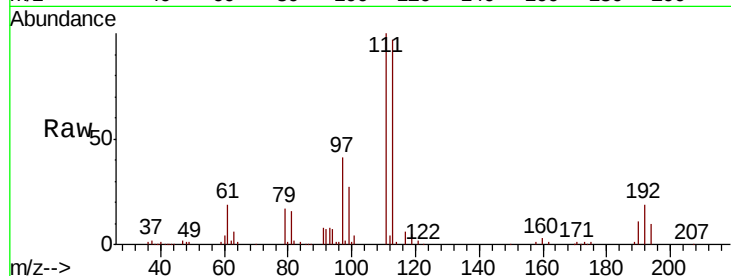
ClientSampleId :

VW0830SBS01

Tot Ion:	113	Resp:	104914
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.7	124.1
192	20.9	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 19.512 ug/l

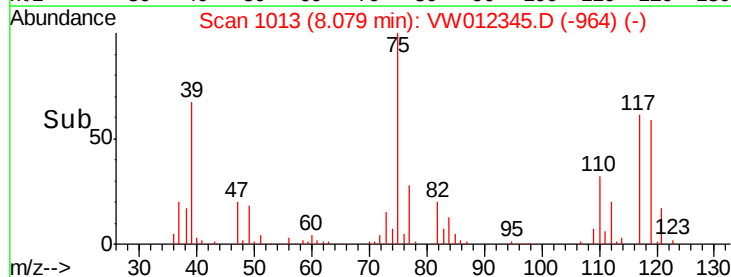
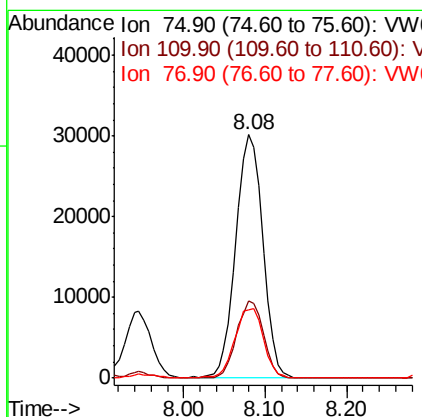
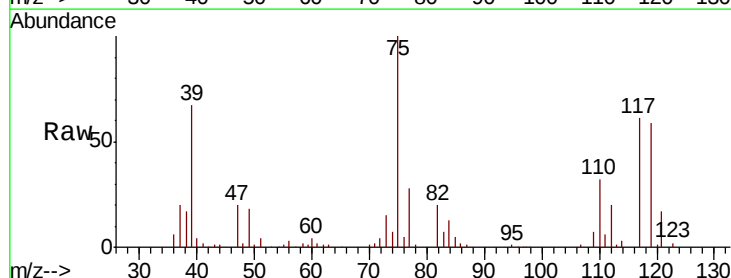
RT: 8.08 min Scan# 1013

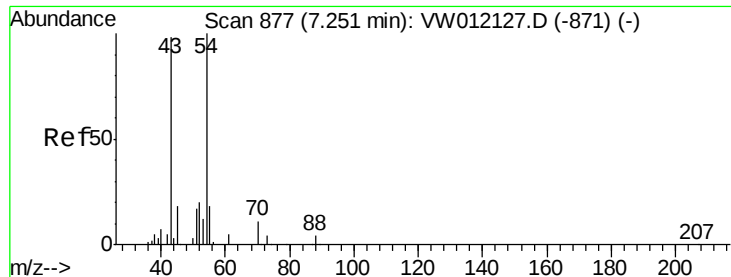
Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion:	75	Resp:	69481
Ion Ratio	Lower	Upper	
75	100		
110	31.4	15.6	46.8
77	30.2	24.6	36.8





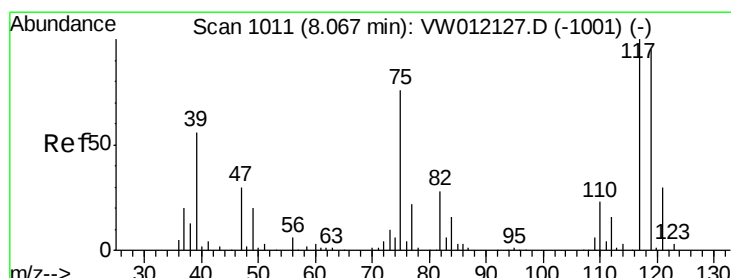
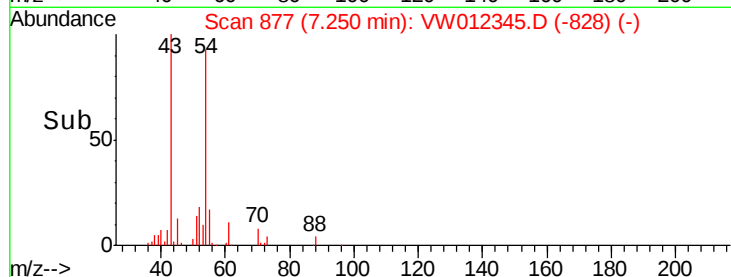
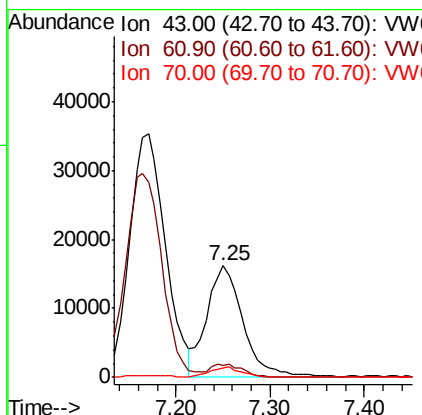
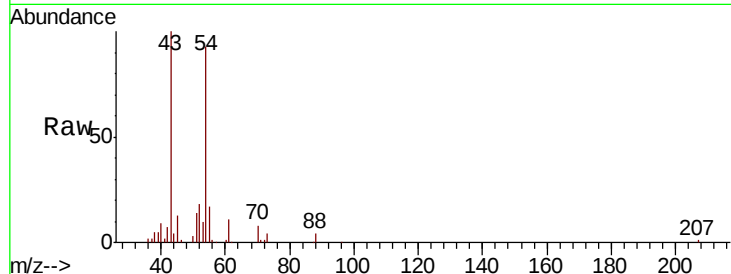
#37
Ethyl Acetate
Concen: 21.955 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.2	13.8
70	8.6	6.9	10.3

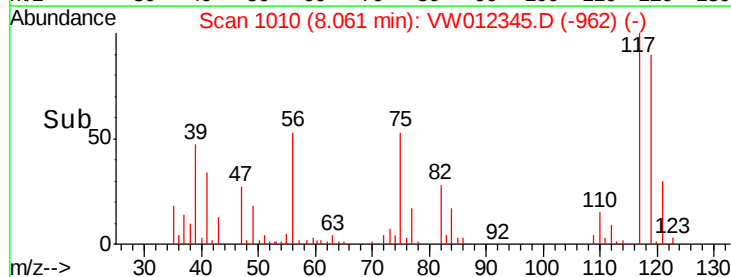
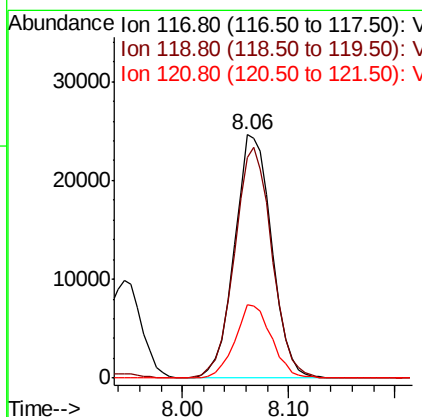
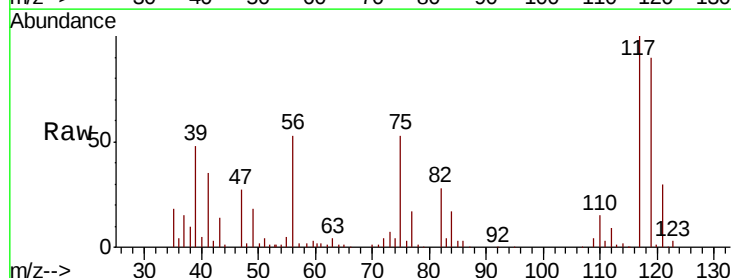
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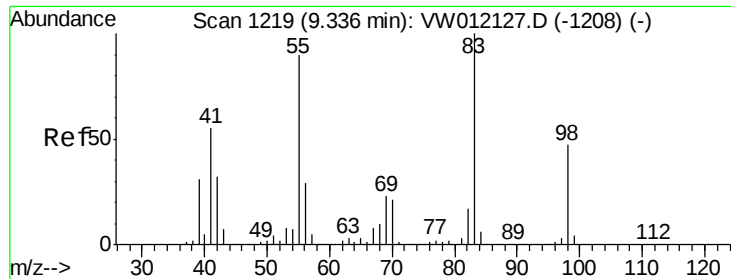
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#38
Carbon Tetrachloride
Concen: 19.557 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	76.2	114.2
121	29.9	23.8	35.8





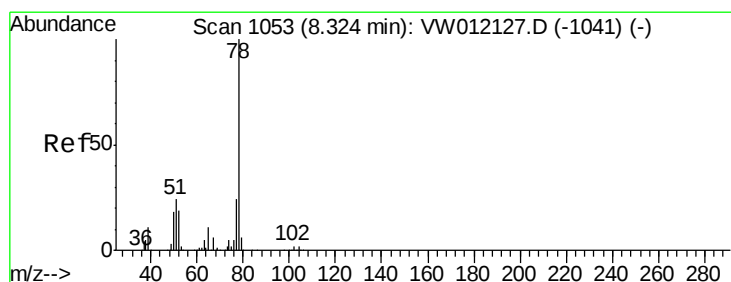
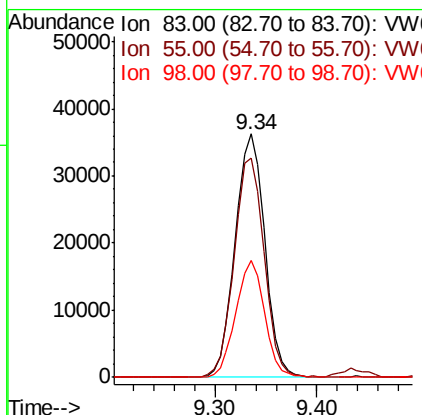
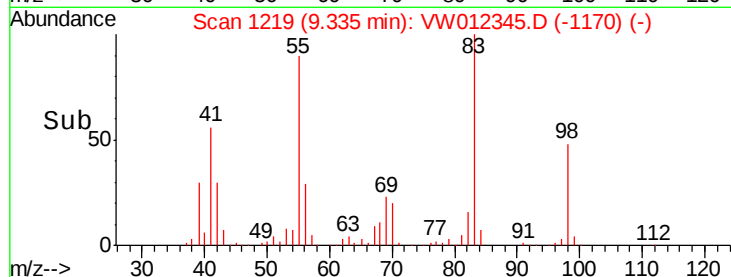
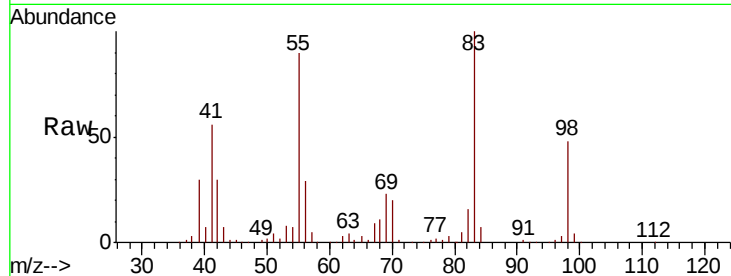
#39
Methvlcvclohexane
Concen: 18.306 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.1	71.8	107.8
98	47.8	37.8	56.8

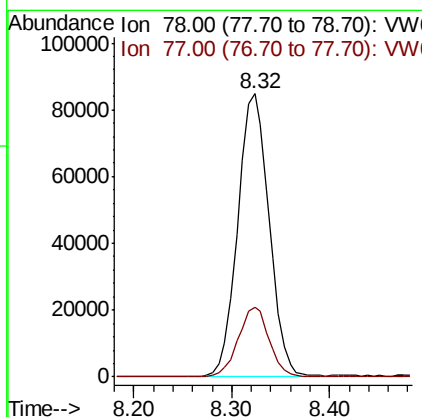
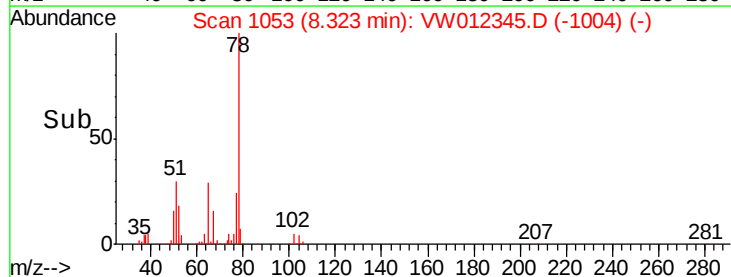
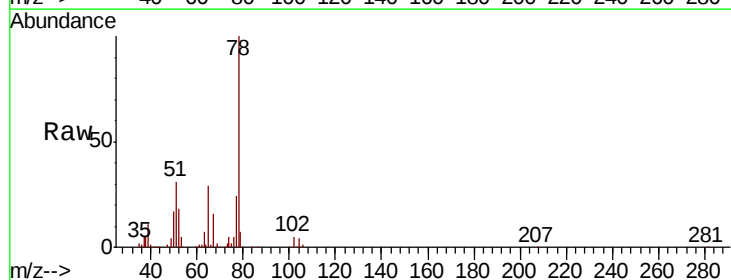
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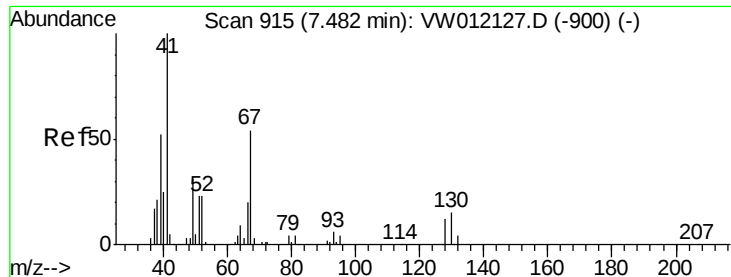
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#40
Benzene
Concen: 19.423 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.5	29.3





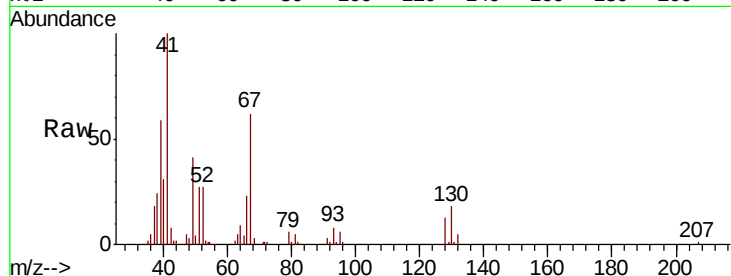
#41
Methacrylonitrile
Concen: 20.268 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.9	45.8	68.8
67	62.2	46.2	69.4
52	28.6	21.0	31.6

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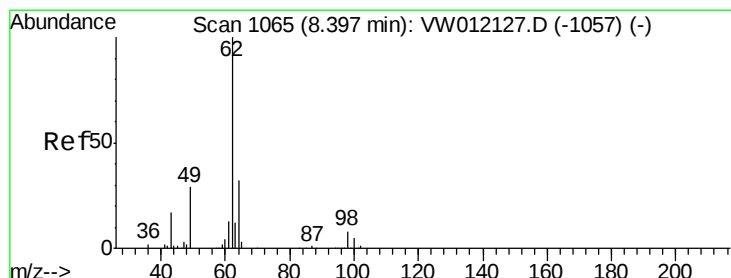
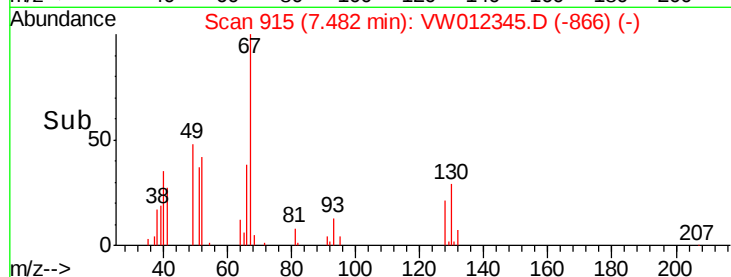
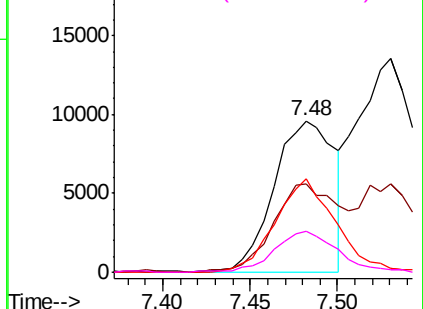
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

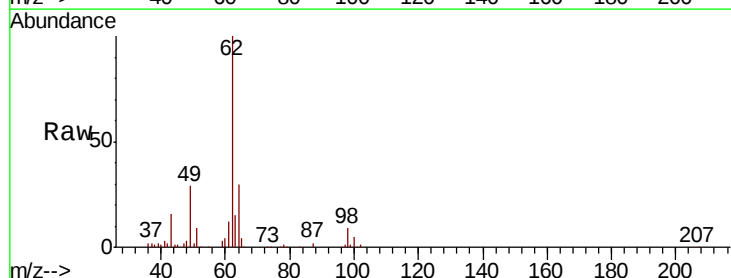
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 20.415 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

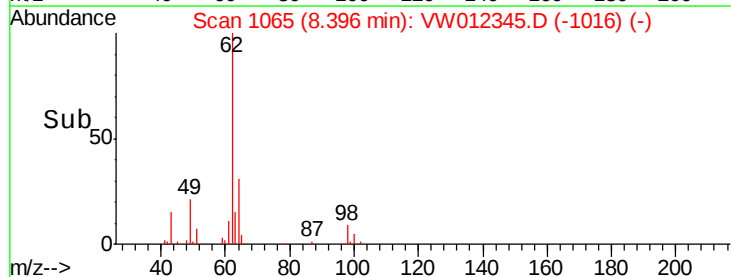
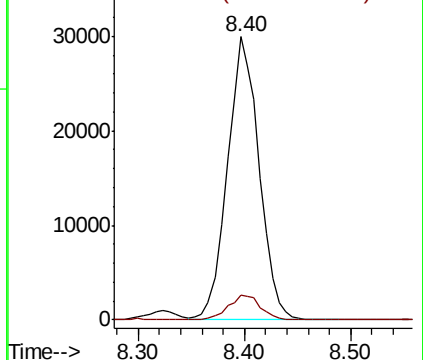
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6

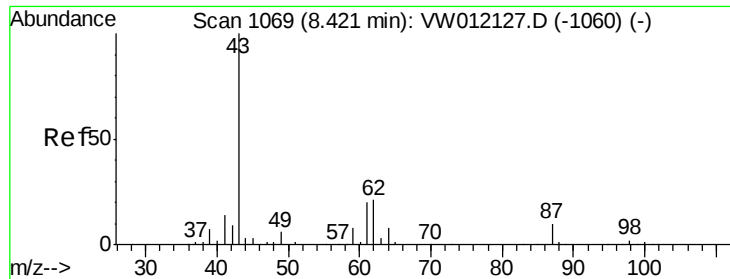


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.383 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

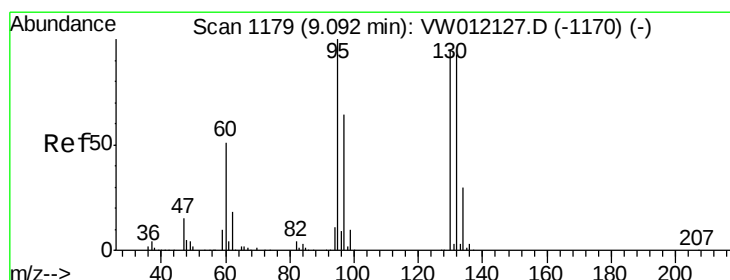
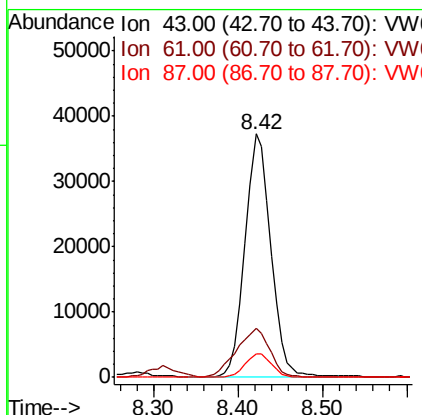
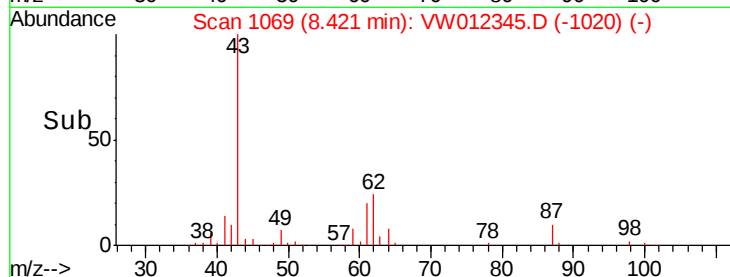
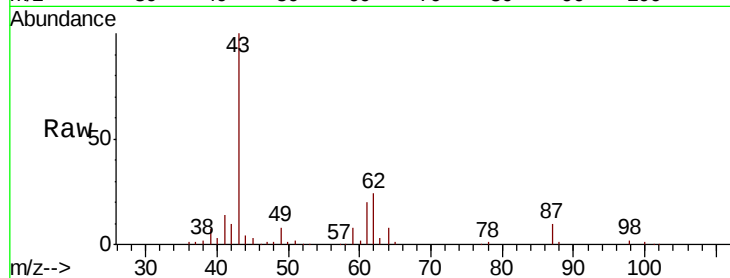
ClientSampleId :

VW0830SBSD01

Tot Ion:	43	Resp:	77287
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.1	31.7
87	10.1	8.2	12.2

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#44

Trichloroethene

Concen: 19.510 ug/l

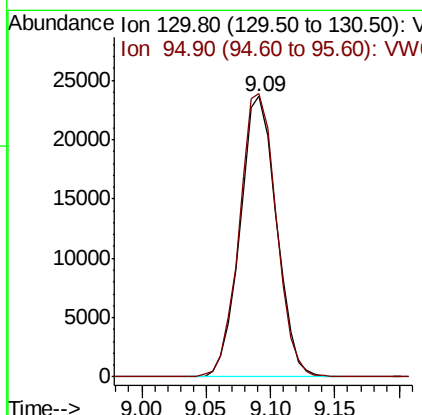
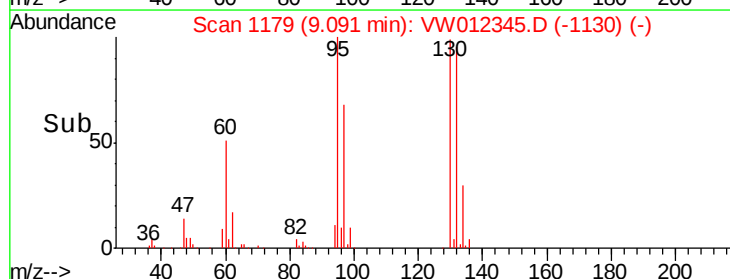
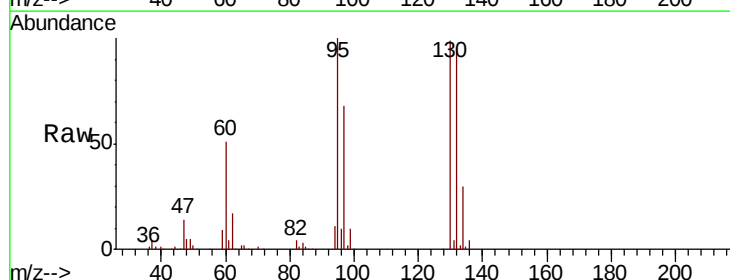
RT: 9.09 min Scan# 1179

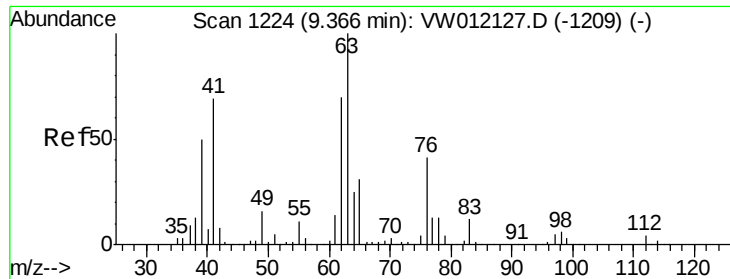
Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion:	130	Resp:	46115
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	210.6





#45

1,2-Dichloropropane

Concen: 19.708 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 63 Resp: 51571

Ion Ratio Lower Upper

63 100

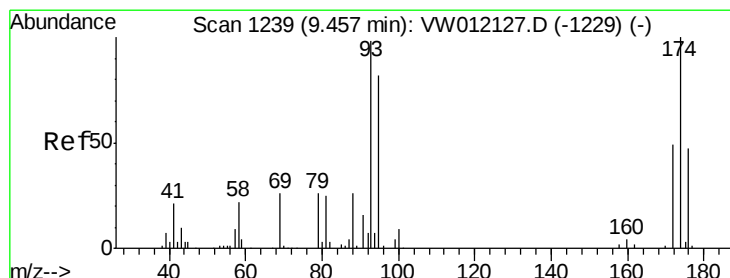
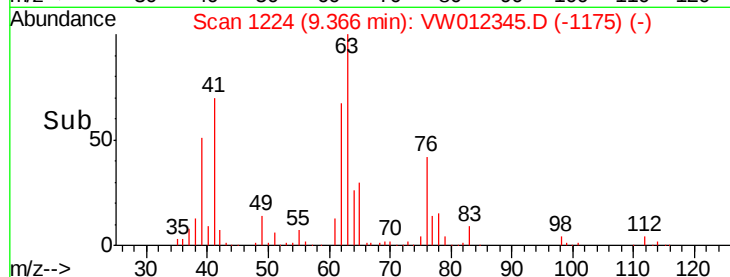
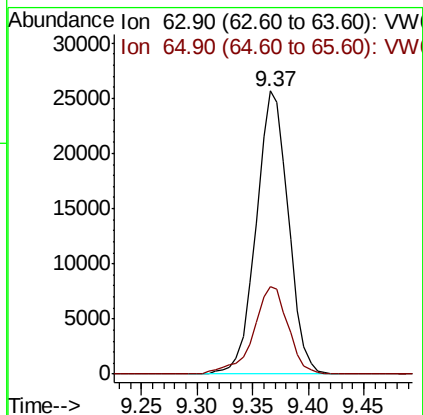
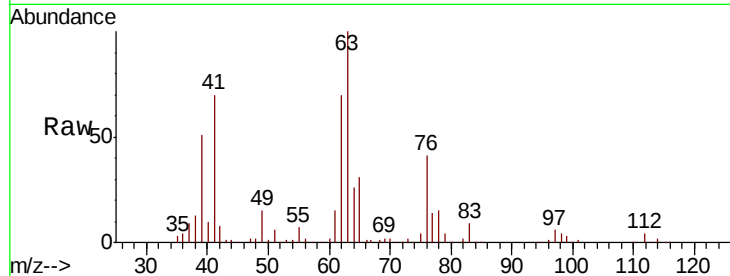
65 31.0 25.0 37.4

Manual Integrations

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MMDadoda

8/31/2019 9:11:15 AM



#46

Dibromomethane

Concen: 19.883 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

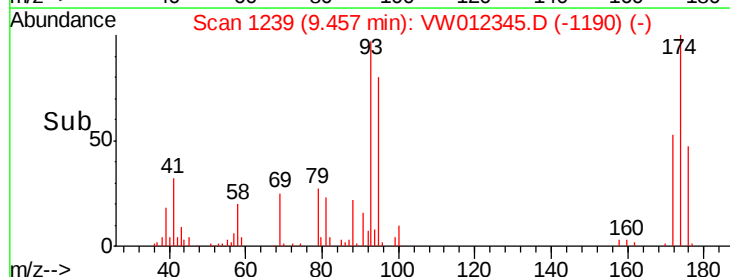
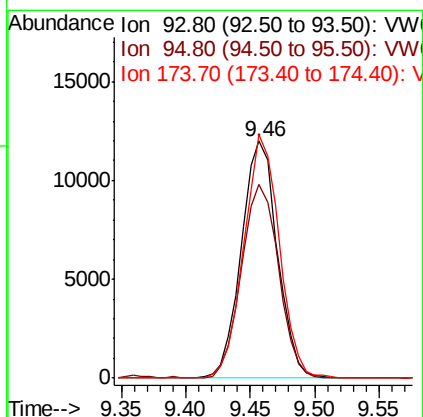
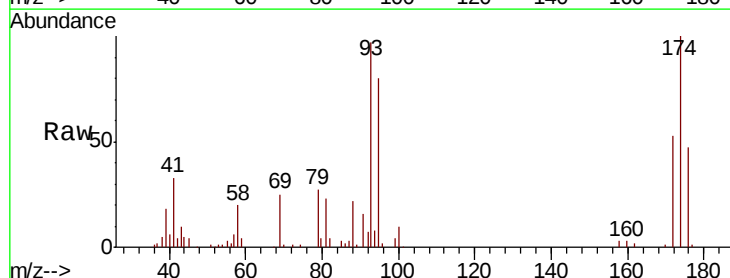
Tgt Ion: 93 Resp: 23149

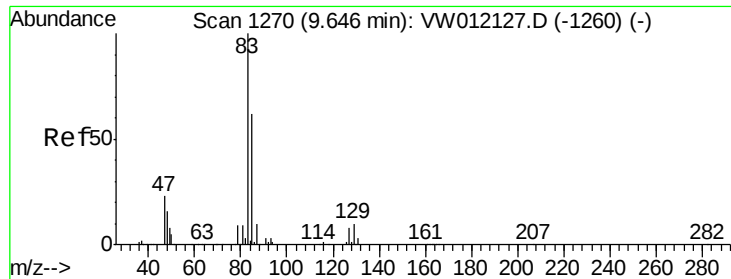
Ion Ratio Lower Upper

93 100

95 84.5 67.2 100.8

174 100.7 79.0 118.6





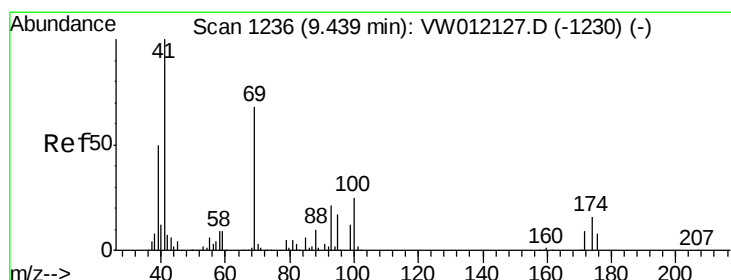
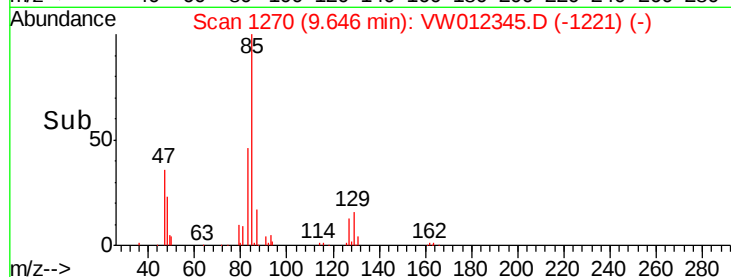
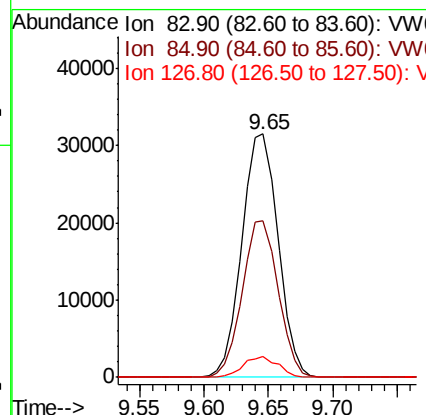
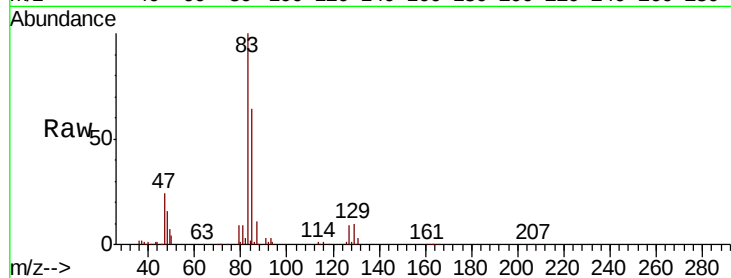
#47
 Bromodichloromethane
 Concen: 19.844 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.4	74.2
127	8.5	6.1	9.1

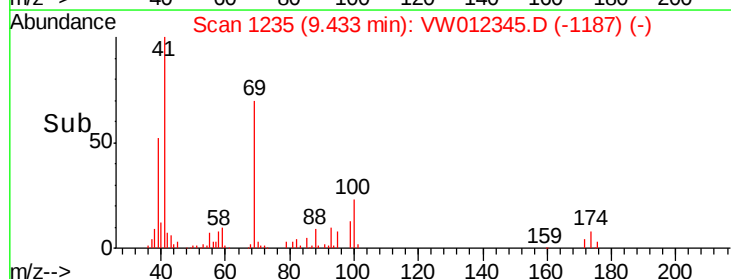
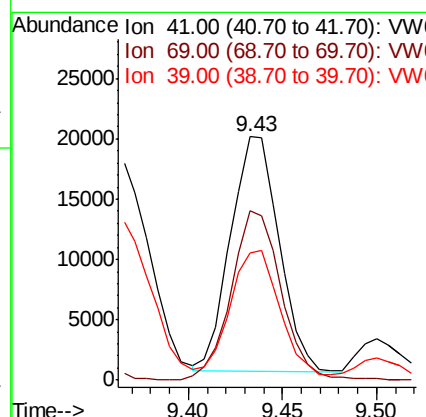
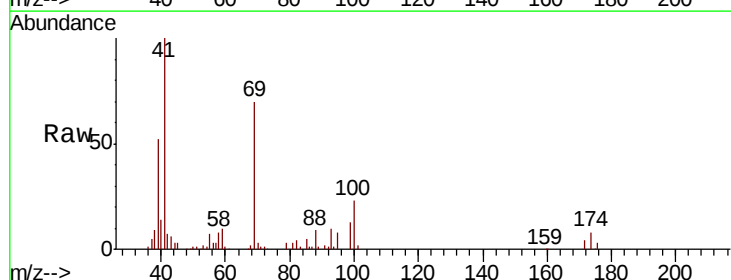
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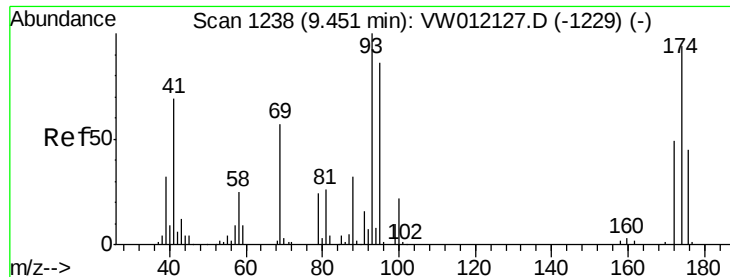
MMDadoda
 8/31/2019 9:11:15 AM



#48
 Methyl methacrylate
 Concen: 20.107 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.8	56.7	85.1
39	58.5	42.0	63.0





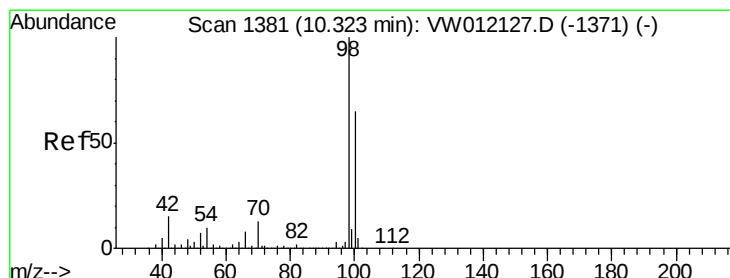
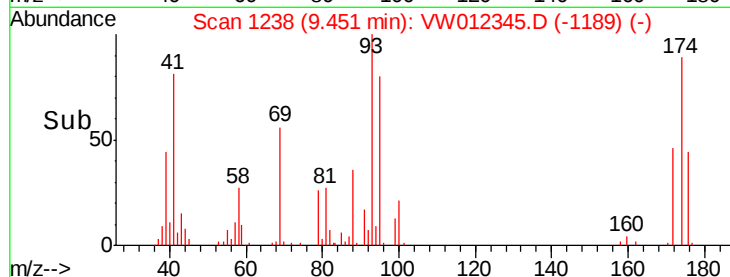
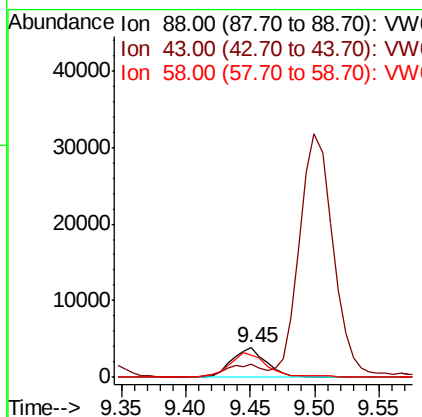
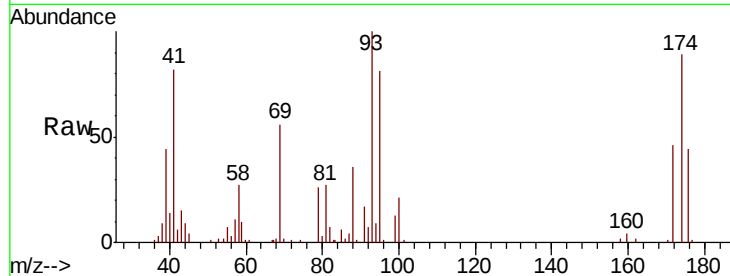
#49
1,4-Dioxane
Concen: 407.879 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.1	32.9	49.3
58	91.8	71.0	106.4

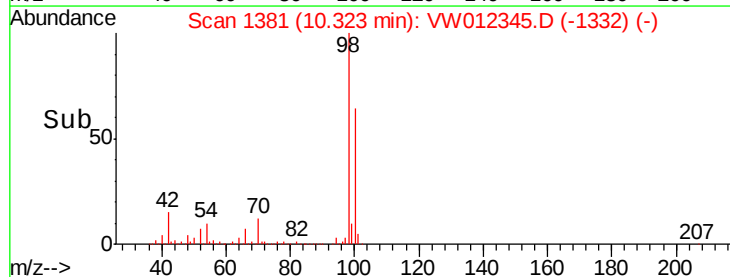
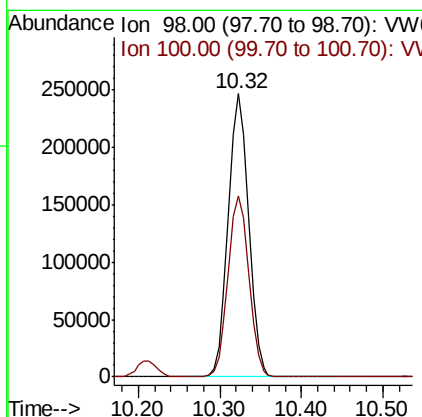
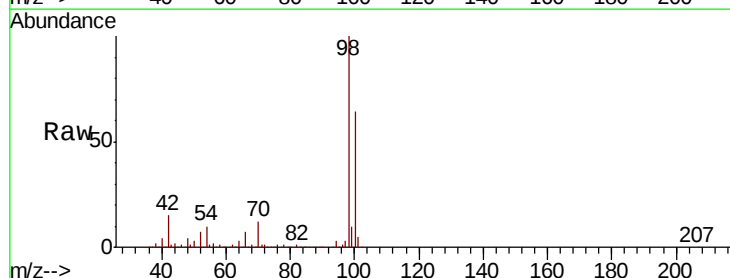
Manual Integrations
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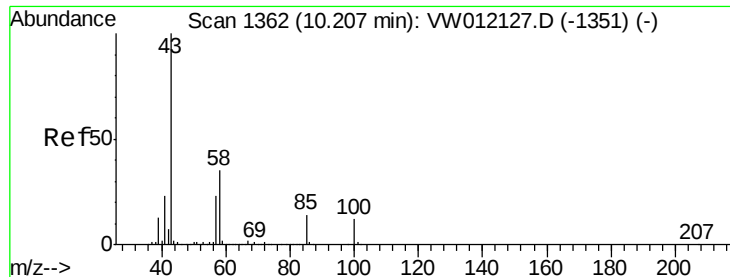
MMDadoda
8/31/2019 9:11:15 AM



#50
Toluene-d8
Concen: 50.907 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 108.175 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBSD01

Tot Ion: 43 Resp: 198868

Ion Ratio Lower Upper

43 100

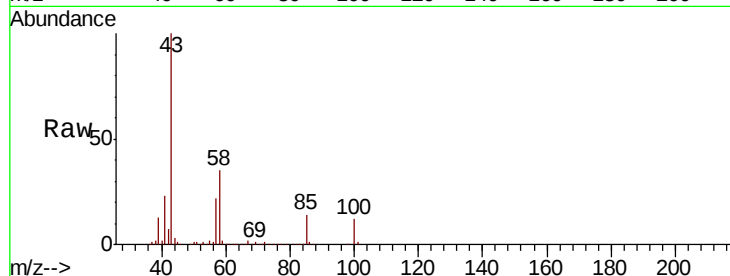
58 35.5 28.2 42.2

Manual Integrations

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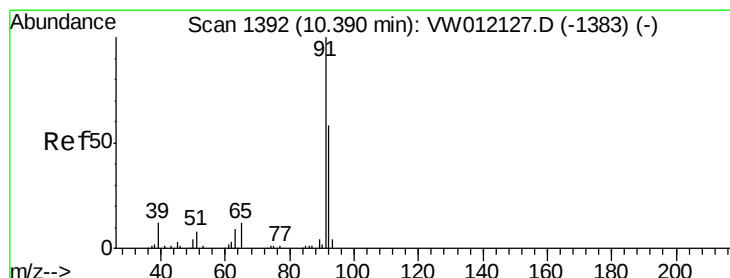
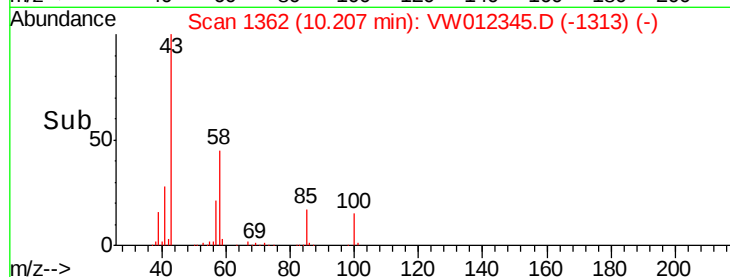
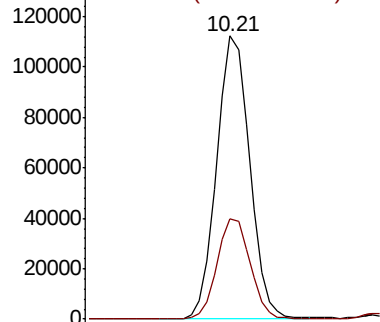
MMDadoda

8/31/2019 9:11:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.714 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012345.D

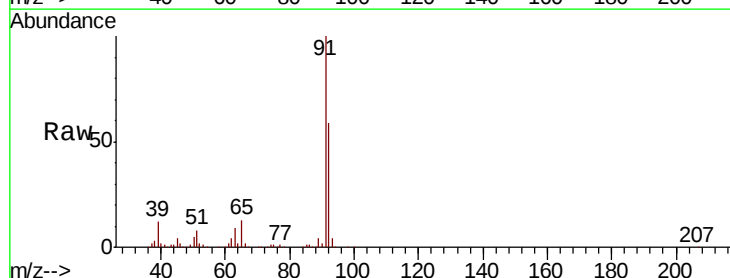
Acq: 30 Aug 2019 12:00

Tgt Ion: 92 Resp: 115153

Ion Ratio Lower Upper

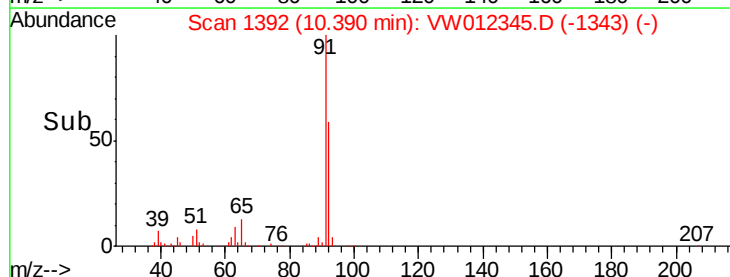
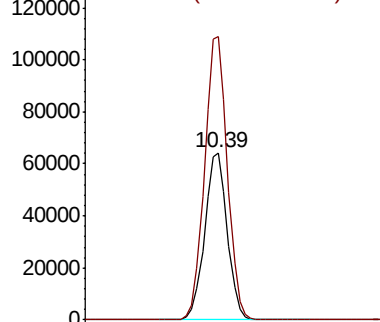
92 100

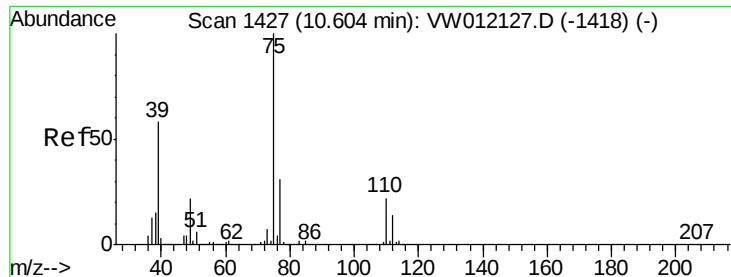
91 171.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





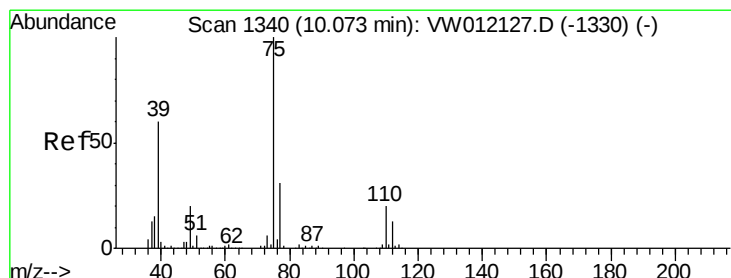
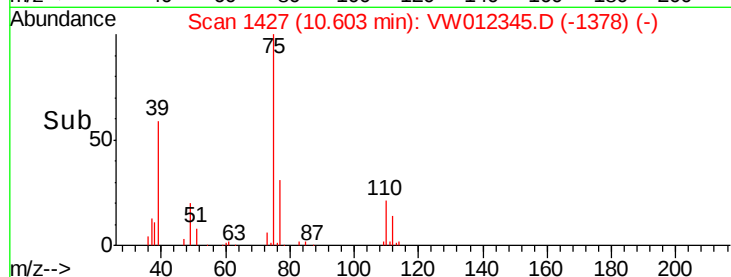
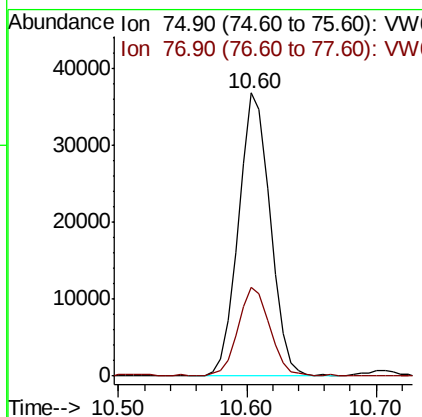
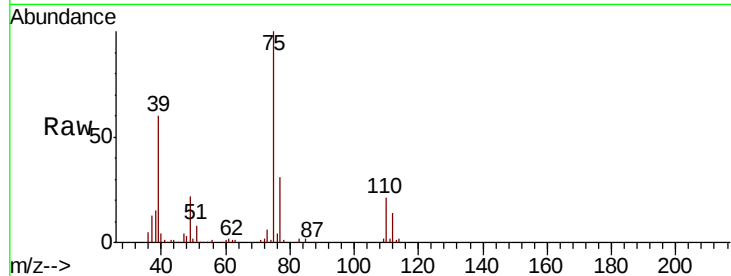
#53
 t-1,3-Dichloropropene
 Concen: 19.921 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion: 75 Resp: 62878
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.4

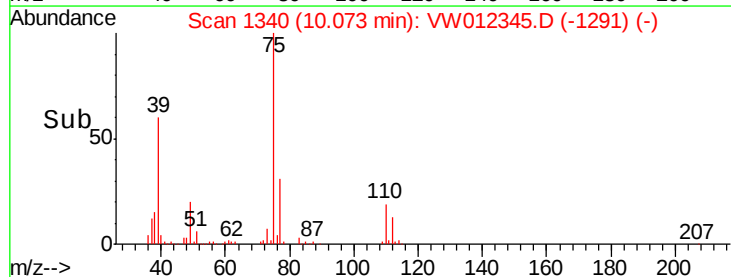
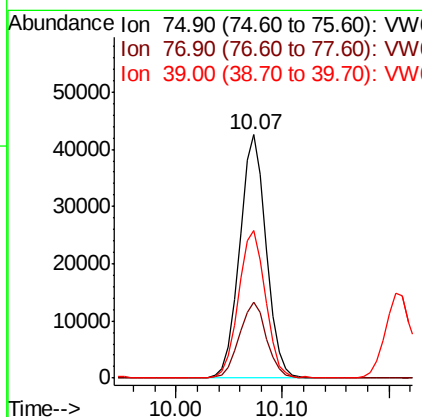
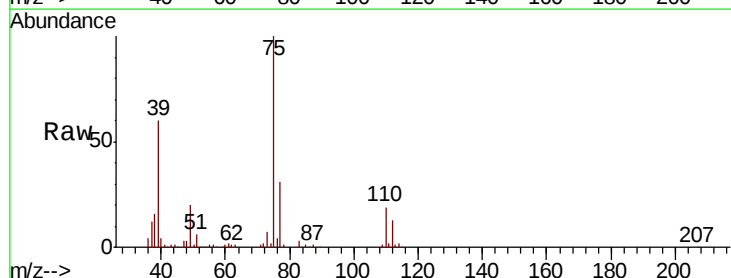
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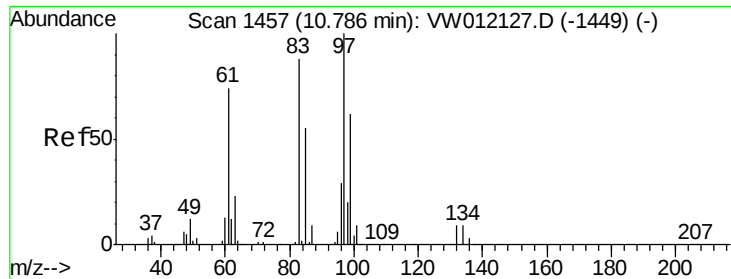
MMDadoda
 8/31/2019 9:11:15 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.515 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion: 75 Resp: 74373
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7
 39 60.3 48.3 72.5





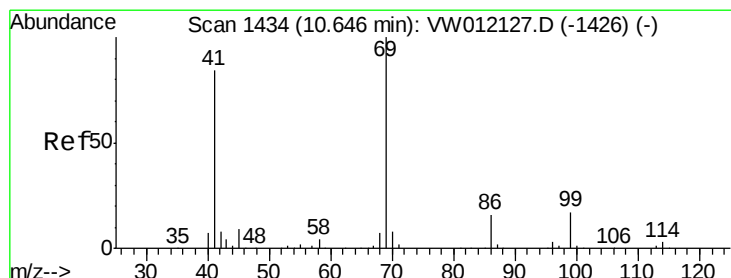
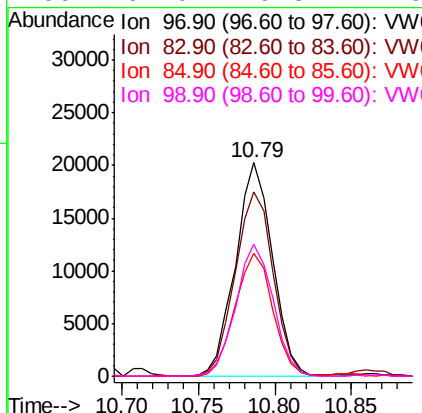
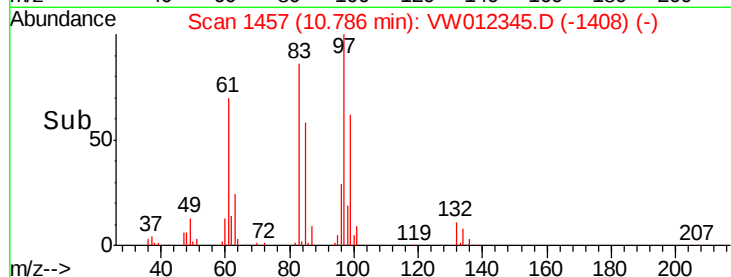
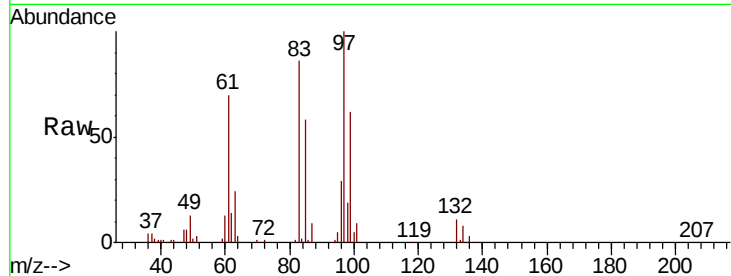
#55
 1,1,2-Trichloroethane
 Concen: 20.822 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion:	97	Resp:	34300
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.8	106.2
85	57.8	43.8	65.8
99	62.0	49.8	74.6

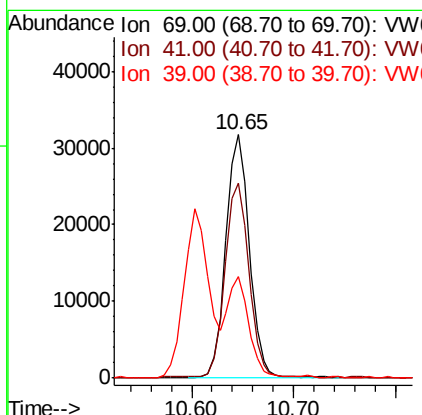
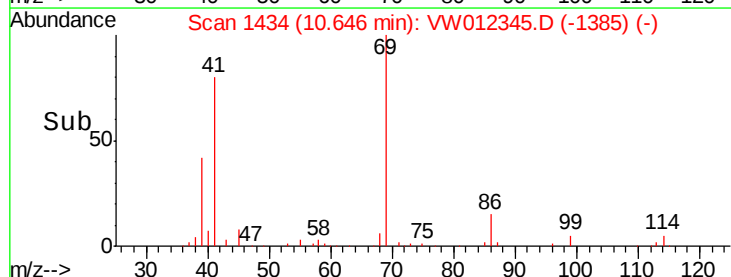
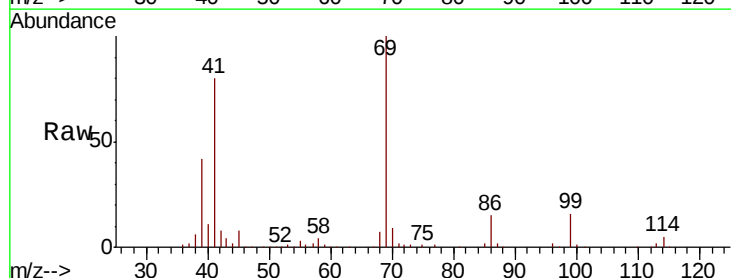
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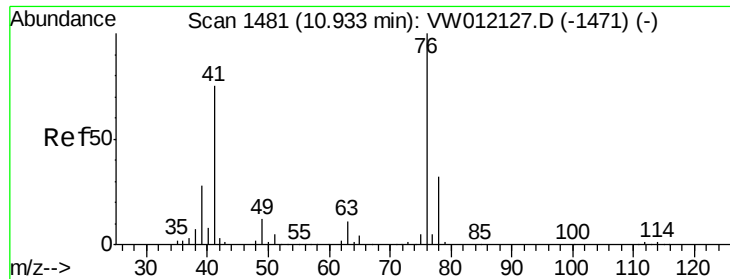
MMDadoda
 8/31/2019 9:11:15 AM



#56
 Ethyl methacrylate
 Concen: 21.239 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion:	69	Resp:	50922
Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.5	99.7
39	37.6	31.0	46.4





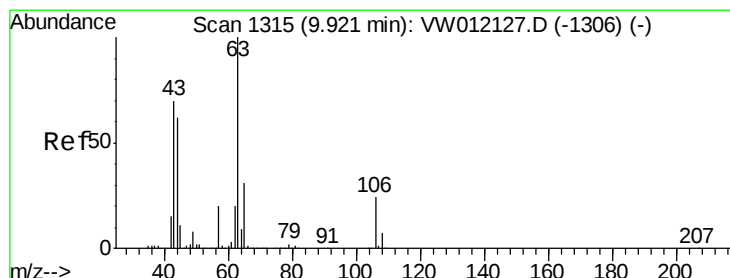
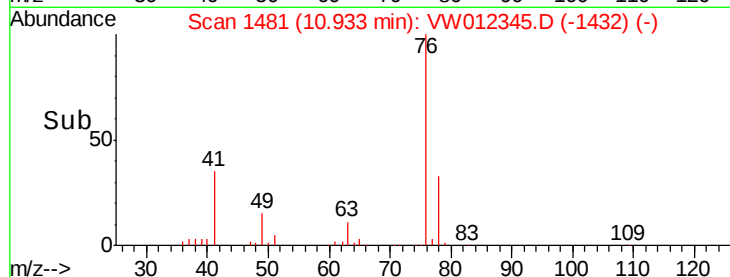
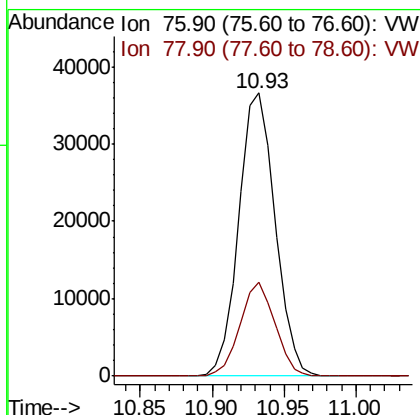
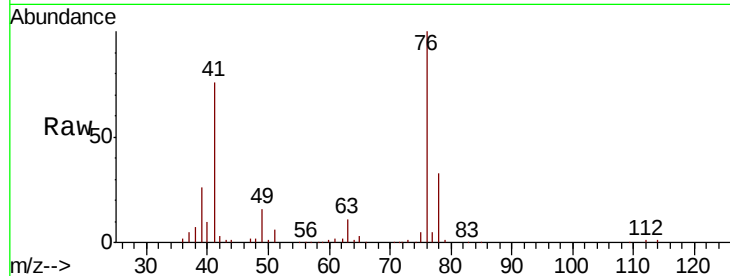
#57
 1,3-Dichloropropane
 Concen: 20.551 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

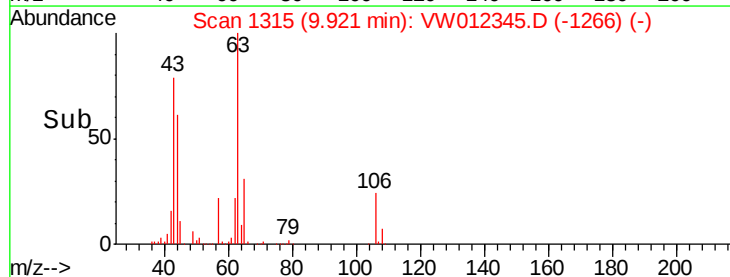
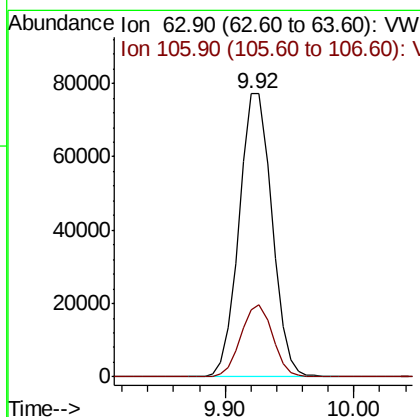
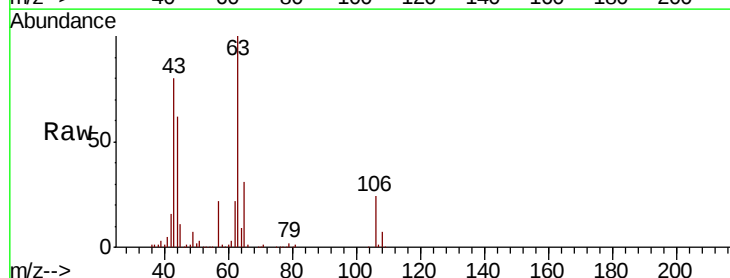
Manual Integrations
 APPROVED

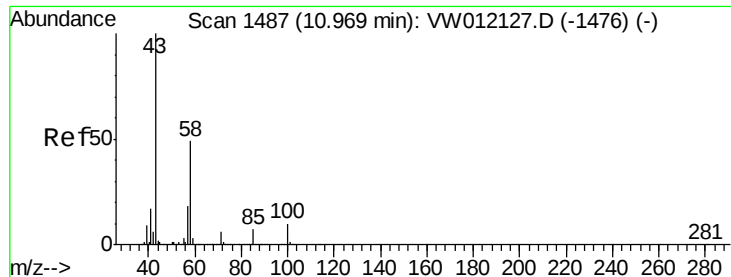
MMDadoda
 8/31/2019 9:11:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.037 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.8	29.8





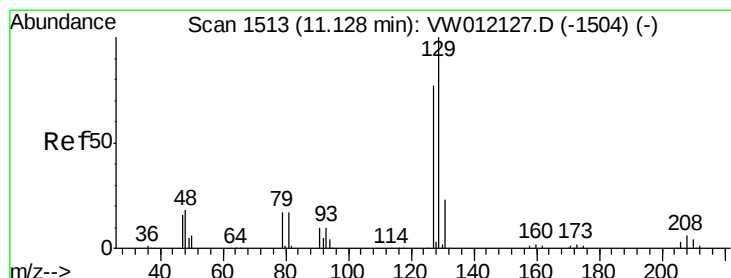
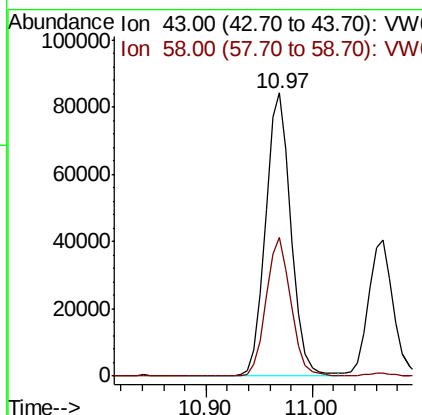
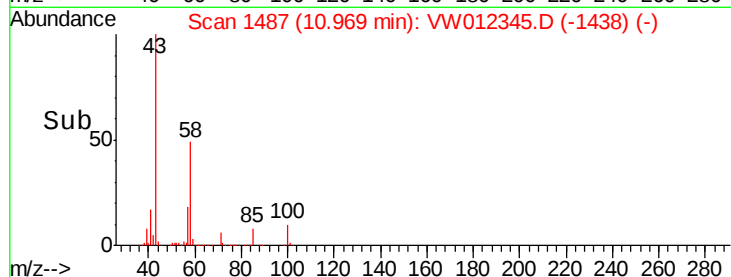
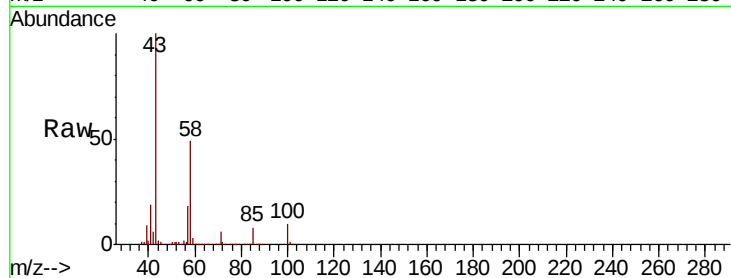
#59
2-Hexanone
Concen: 107.977 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	24.3	72.9

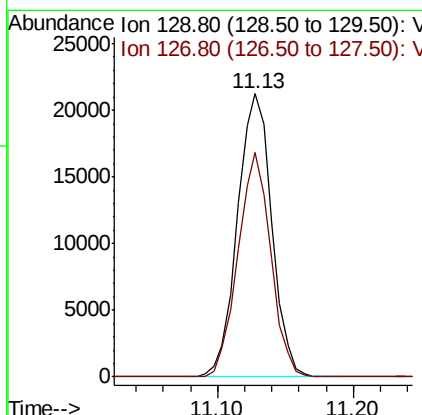
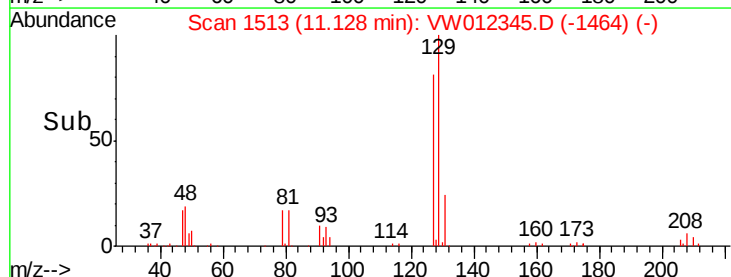
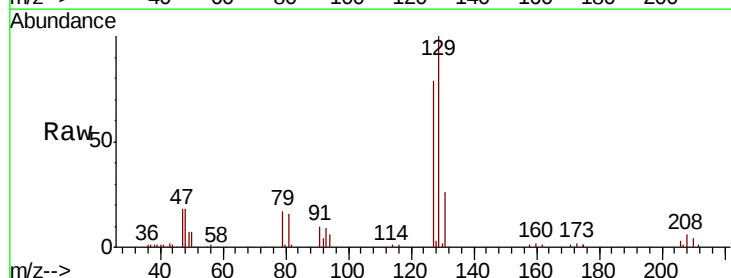
Manual Integrations
APPROVED

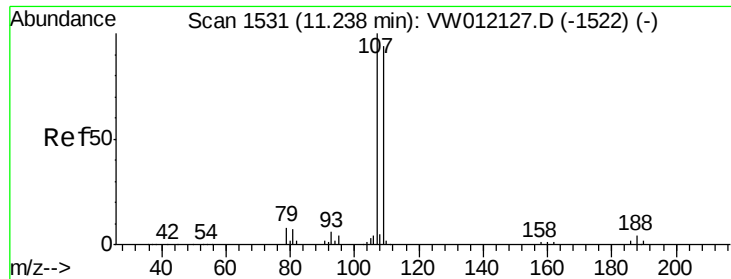
MMDadoda
8/31/2019 9:11:15 AM



#60
Dibromochloromethane
Concen: 20.343 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.6	115.8





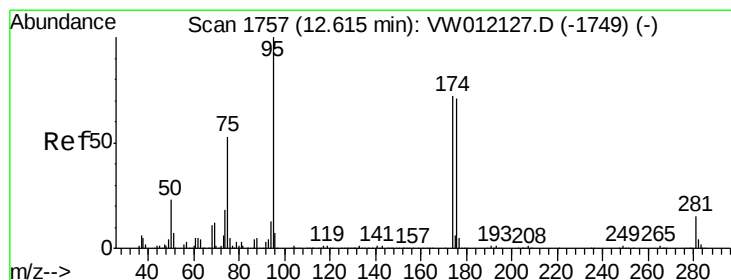
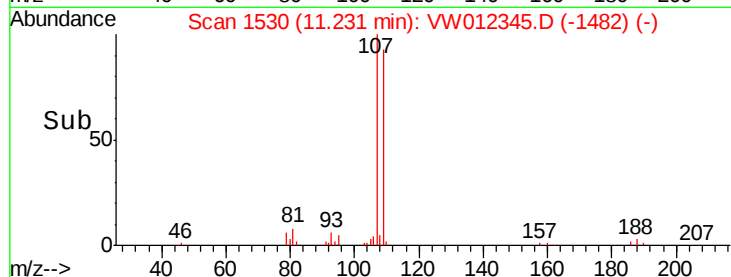
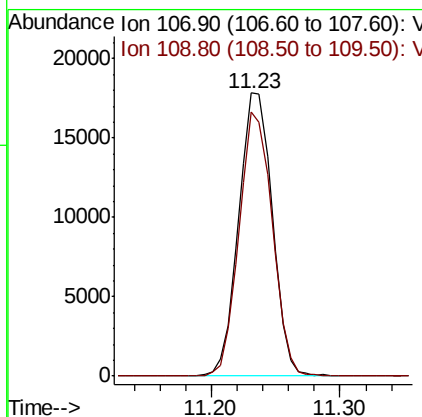
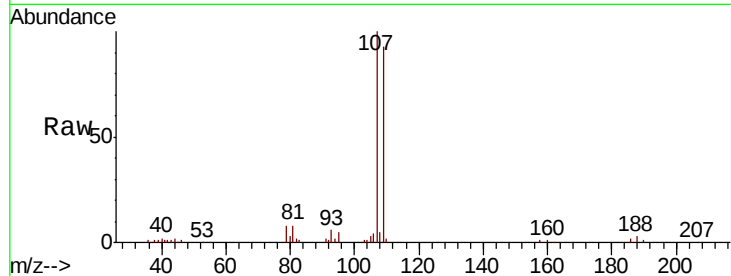
#61
 1,2-Dibromoethane
 Concen: 21.002 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.4	113.2

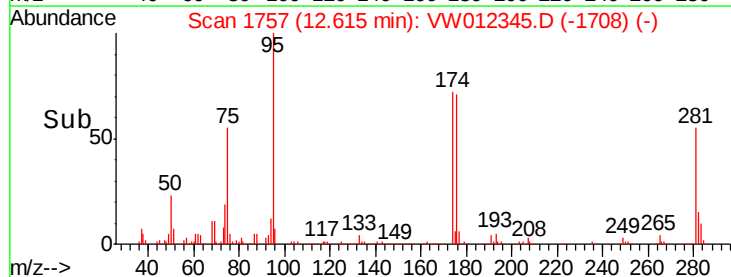
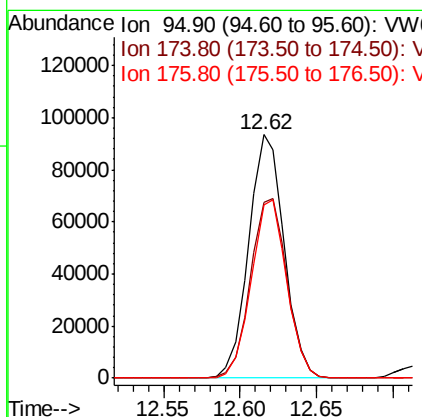
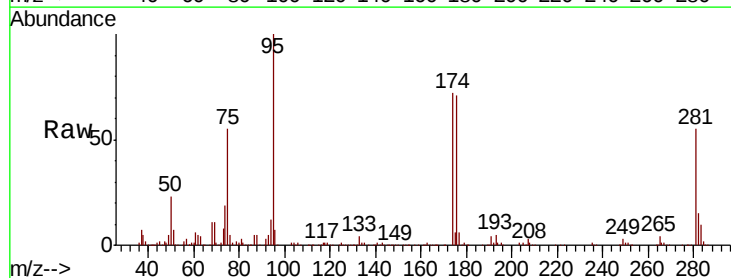
Manual Integrations
 APPROVED

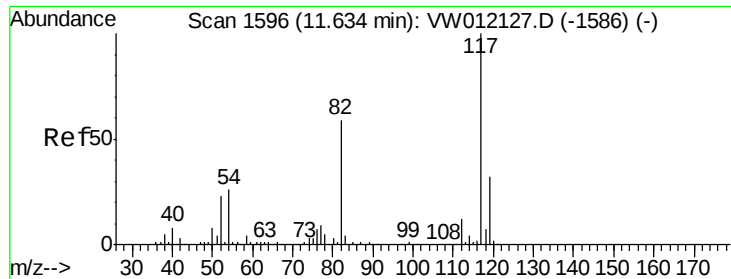
MMDadoda
 8/31/2019 9:11:15 AM



#62
 4-Bromofluorobenzene
 Concen: 51.068 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	150.8
176	73.6	0.0	148.6





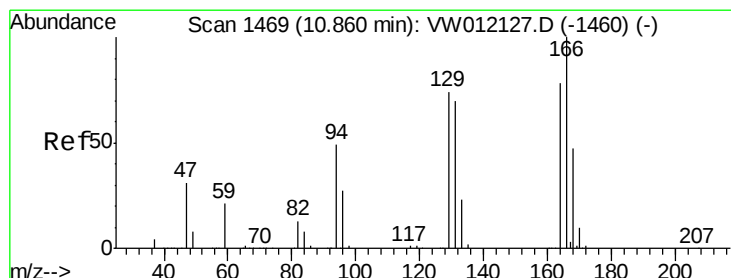
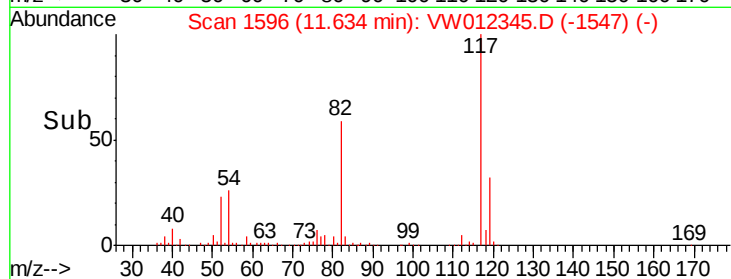
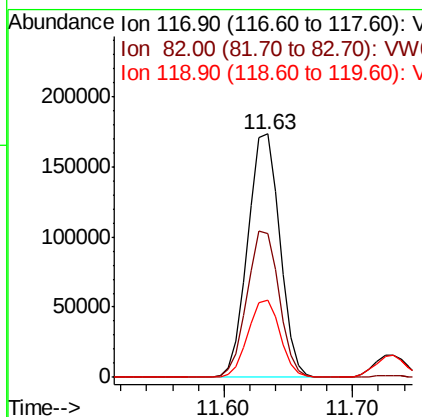
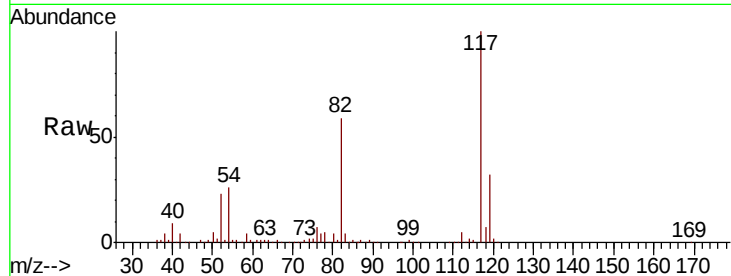
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297992		
82	59.2	47.4	71.2	
119	31.5	25.4	38.2	

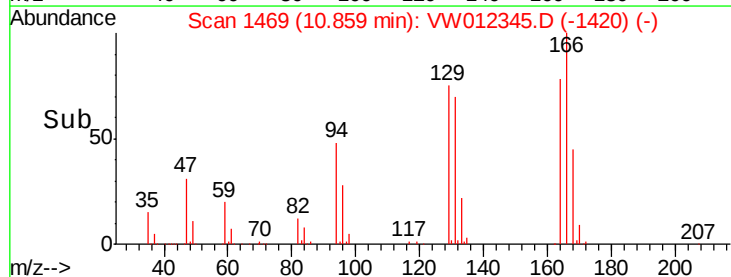
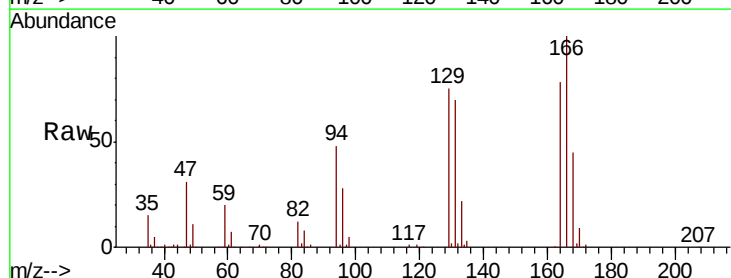
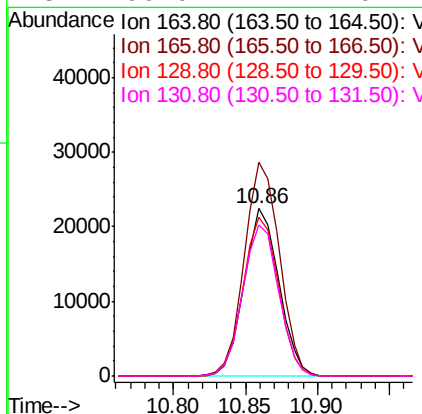
Manual Integrations
APPROVED

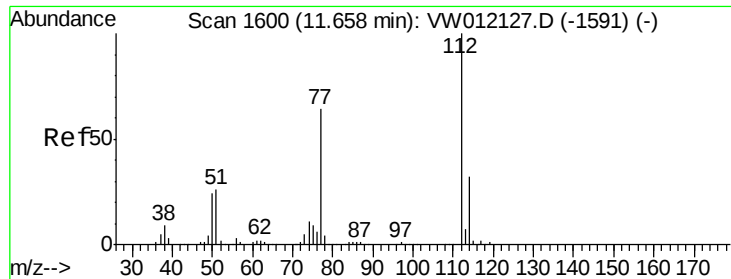
MMDadoda
8/31/2019 9:11:15 AM



#64
Tetrachloroethene
Concen: 19.488 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37650		
166	127.8	102.4	153.6	
129	95.3	75.8	113.6	
131	90.0	71.4	107.2	





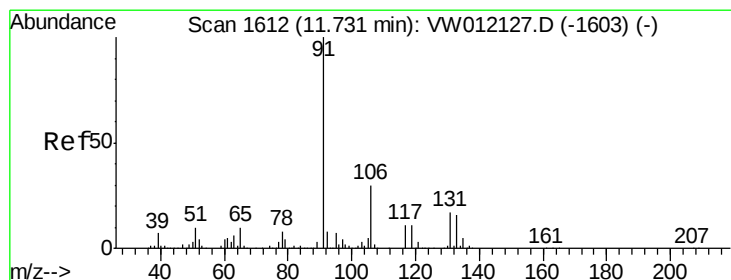
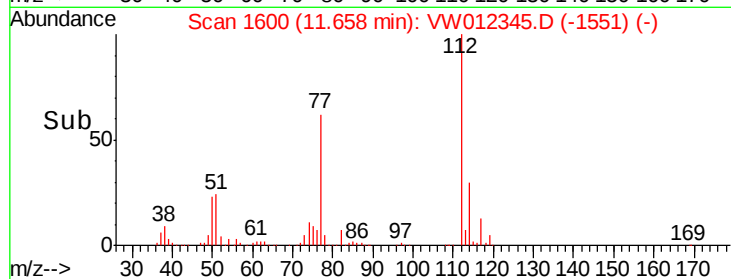
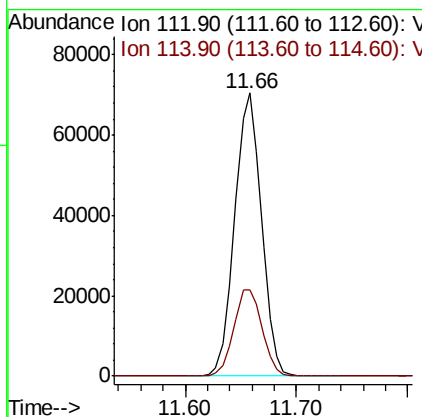
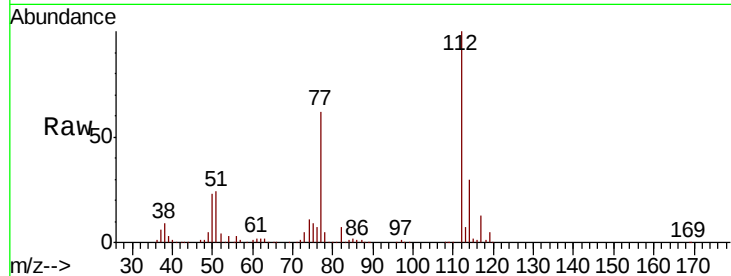
#65
Chlorobenzene
Concen: 20.017 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBSD01

Tot Ion:112 Resp: 117453
Ion Ratio Lower Upper
112 100
114 30.4 25.8 38.6

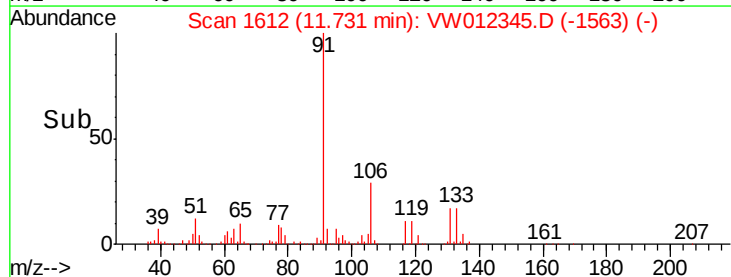
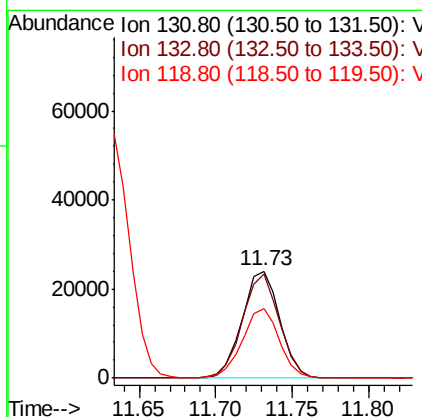
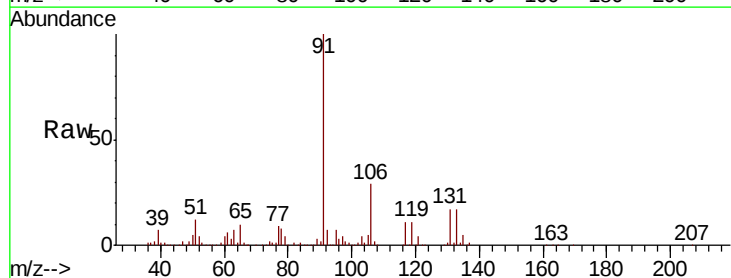
Manual Integrations
APPROVED

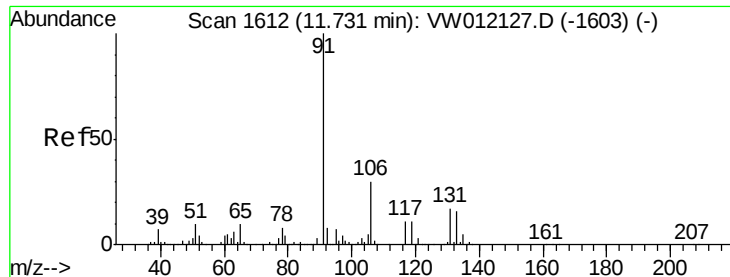
MMDadoda
8/31/2019 9:11:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.016 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion:131 Resp: 40973
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.3
119 65.0 31.8 95.3





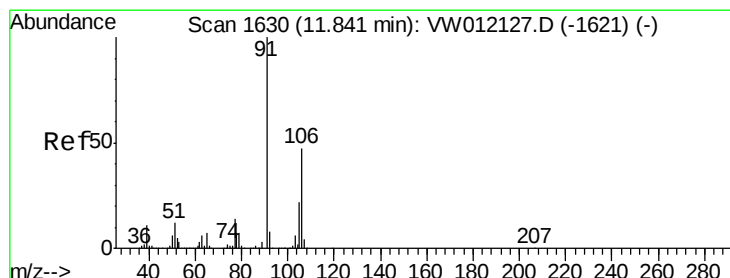
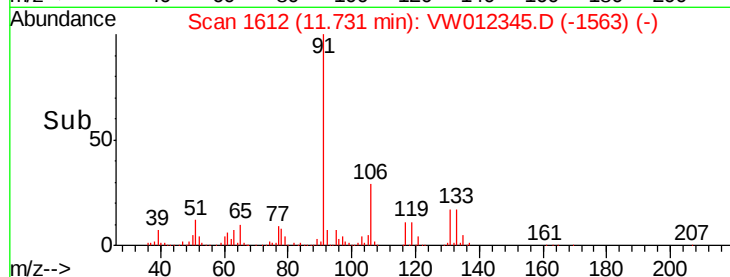
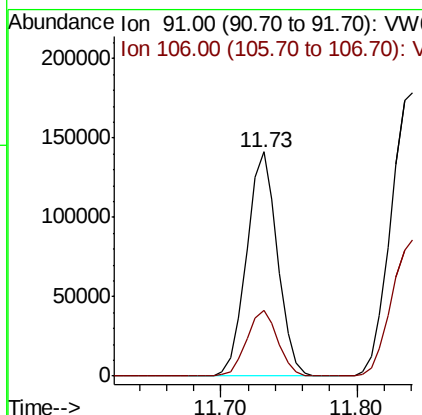
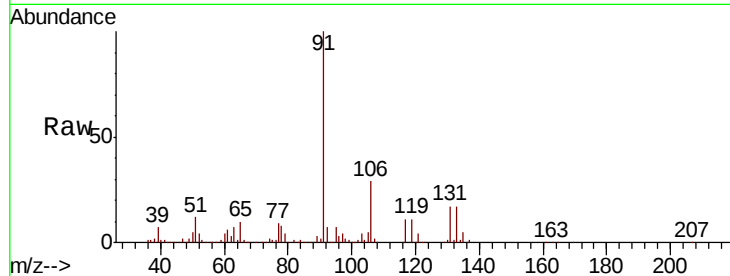
#67
Ethyl Benzene
Concen: 19.816 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.3	36.5

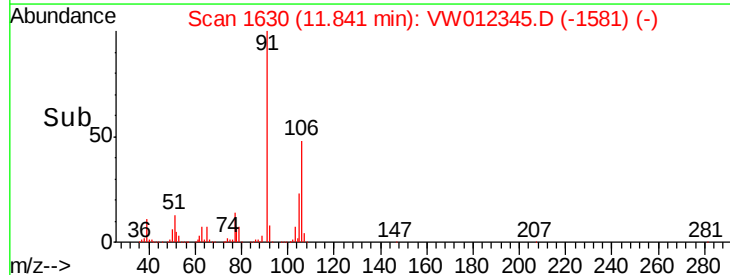
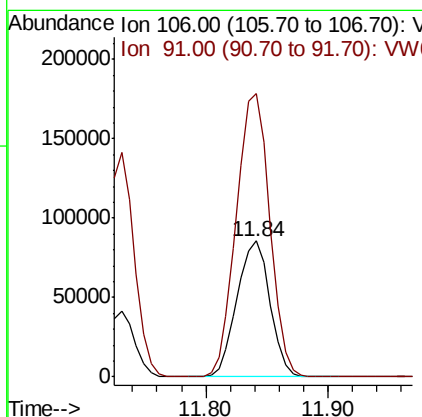
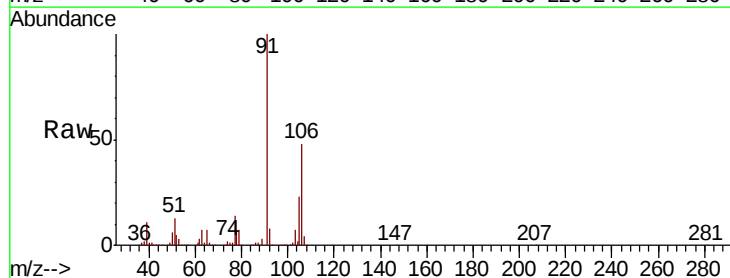
Manual Integrations
APPROVED

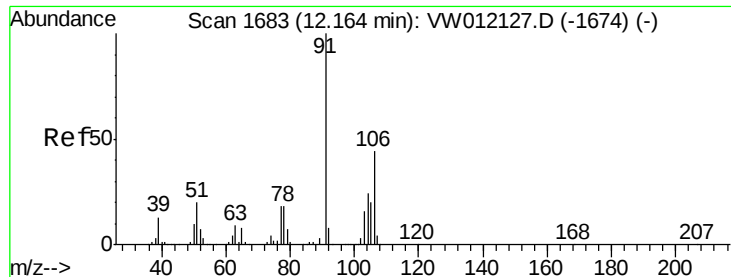
MMDadoda
8/31/2019 9:11:15 AM



#68
m/p-Xylenes
Concen: 39.388 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.5	169.5	254.3





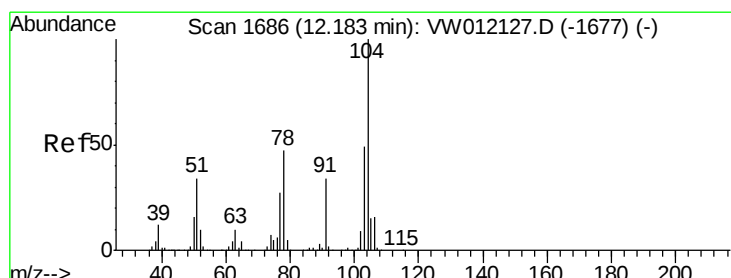
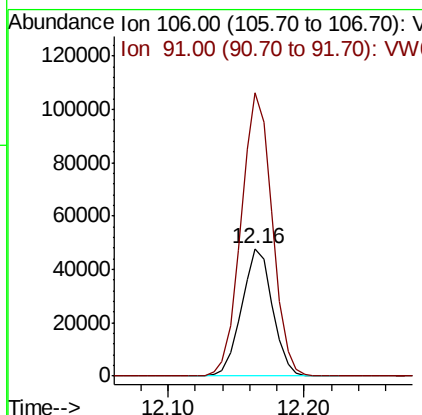
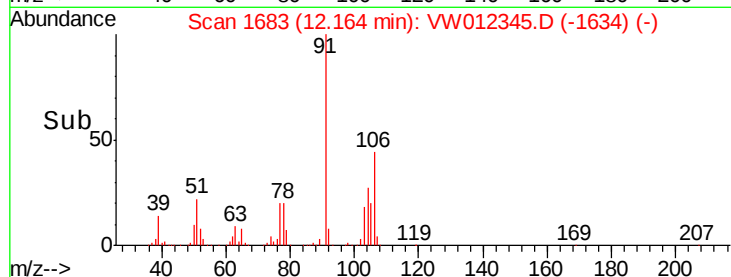
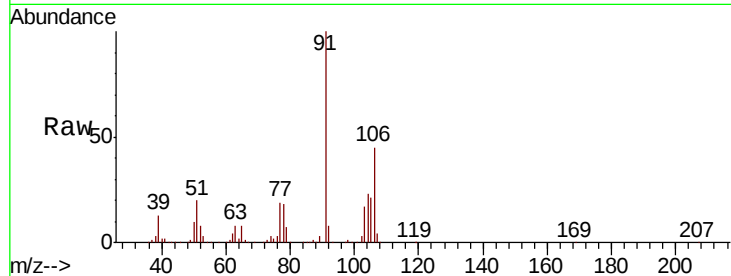
#69
o-Xylene
Concen: 20.110 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion:106 Resp: 75783
Ion Ratio Lower Upper
106 100
91 223.1 111.6 334.6

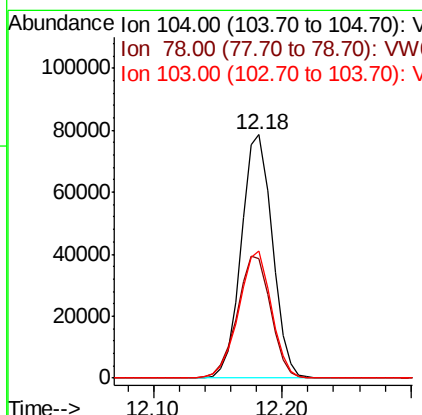
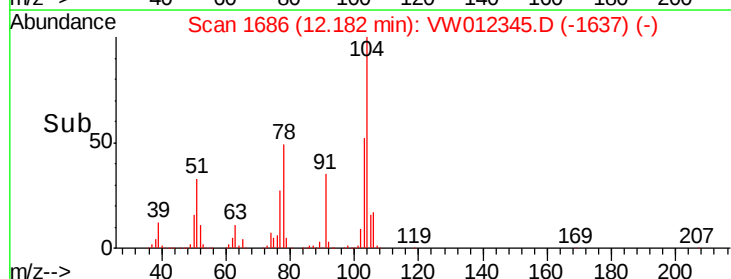
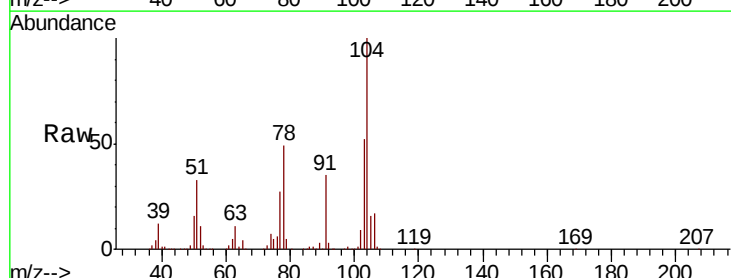
Manual Integrations
APPROVED

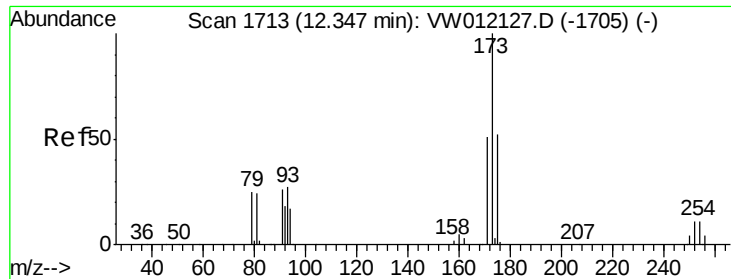
MMDadoda
8/31/2019 9:11:15 AM



#70
Styrene
Concen: 20.075 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion:104 Resp: 130942
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 55.1 43.5 65.3





#71

Bromoform

Concen: 20.629 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

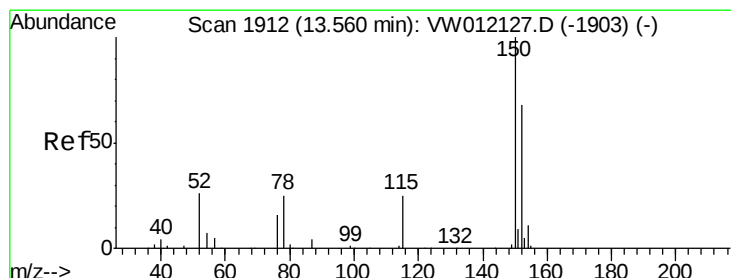
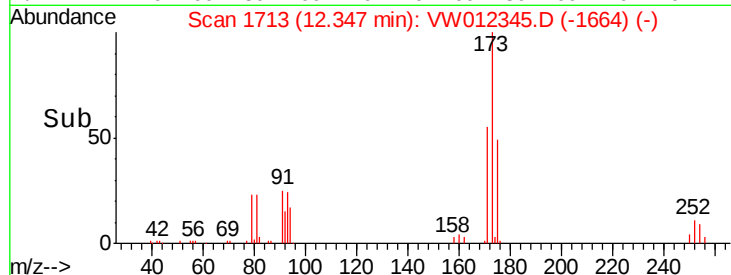
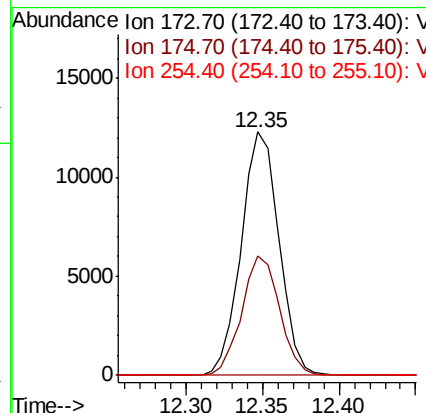
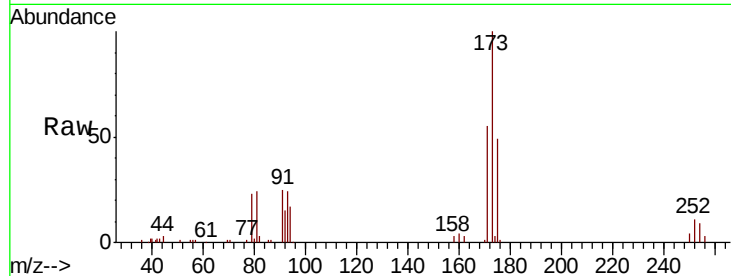
ClientSampleId :

VW0830SBS01

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	49.4	24.6	74.0	
254	0.0	0.2	0.2	

Manual Integrations
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8/31/2019 9:11:15 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

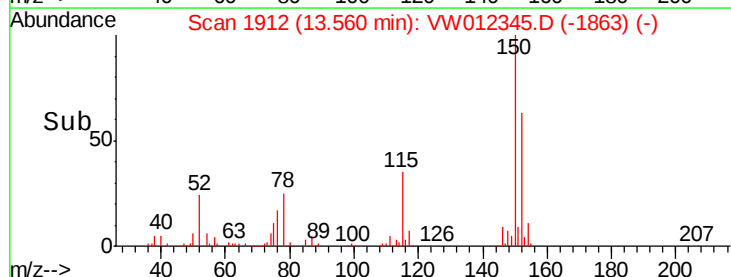
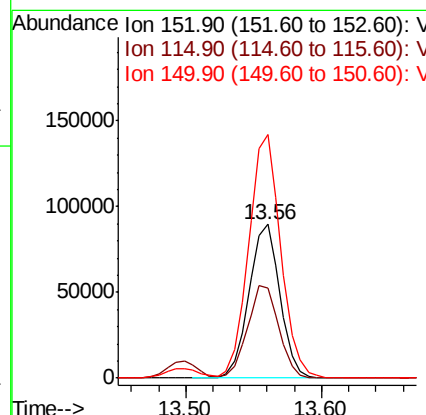
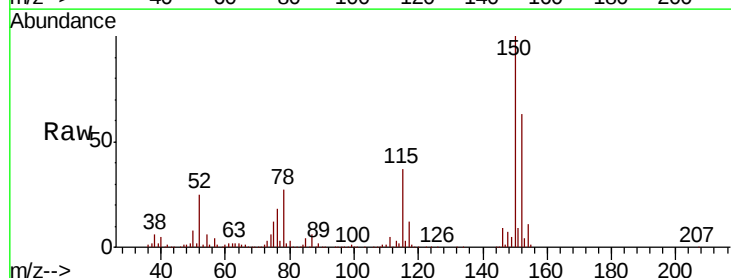
RT: 13.56 min Scan# 1912

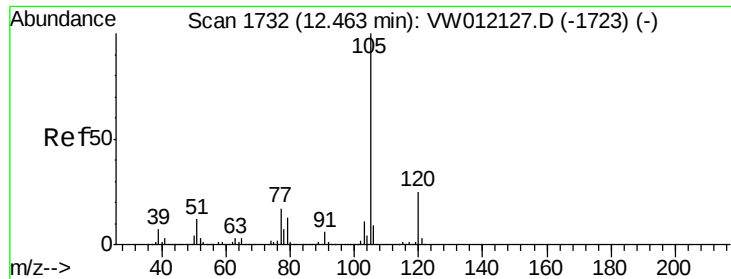
Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	60.6	30.1	90.3	
150	164.0	0.0	345.8	





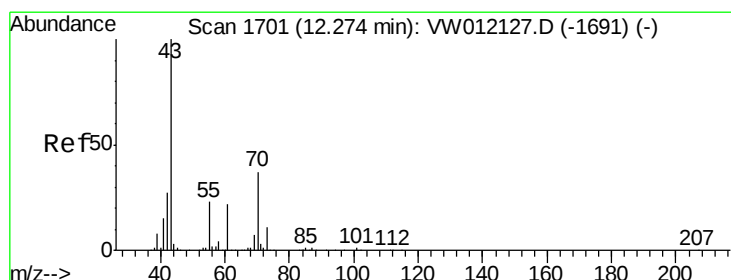
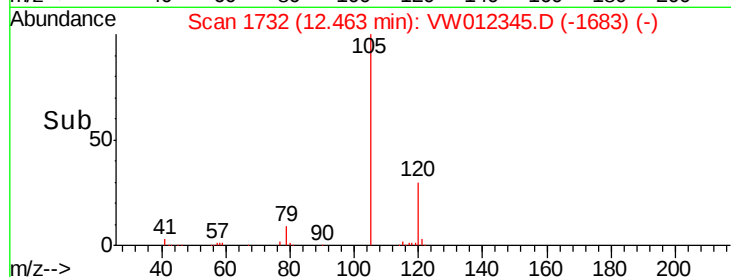
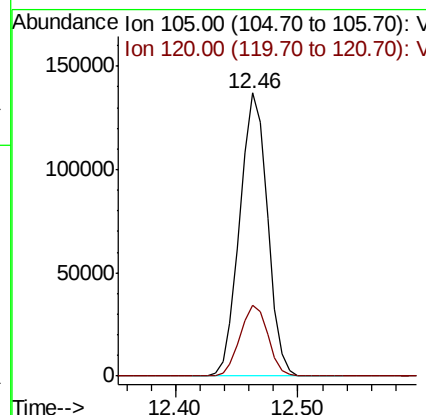
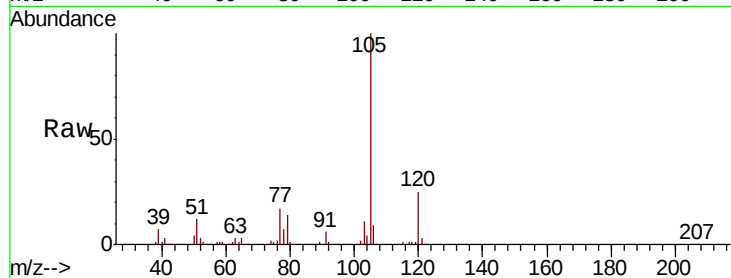
#73
Isopropylbenzene
Concen: 20.093 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	214859		
120	25.1		12.5	37.5

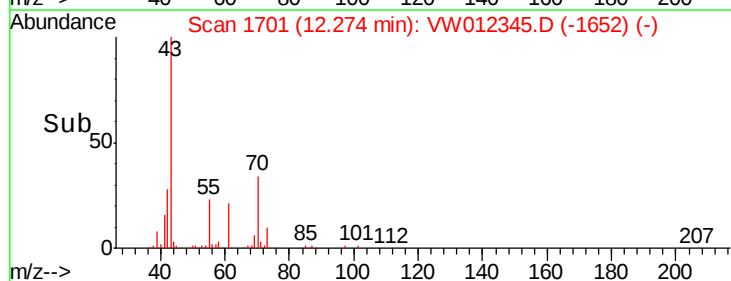
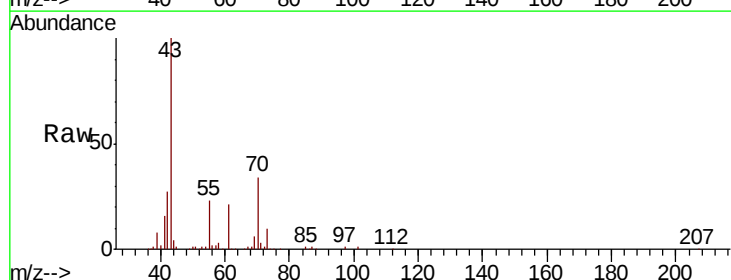
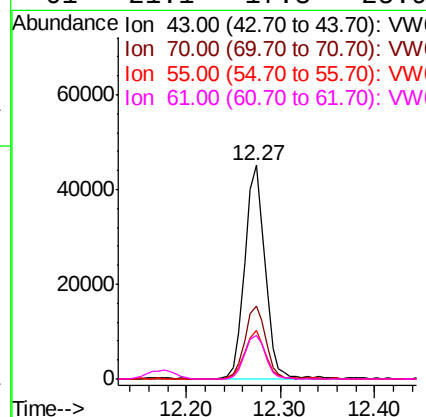
Manual Integrations
APPROVED

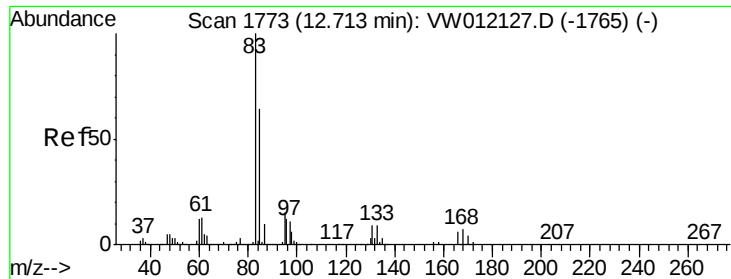
MMDadoda
8/31/2019 9:11:15 AM



#74
N-ethyl acetate
Concen: 21.189 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	68456		
70	35.2		28.6	43.0
55	23.0		17.8	26.6
61	21.1		17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.569 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

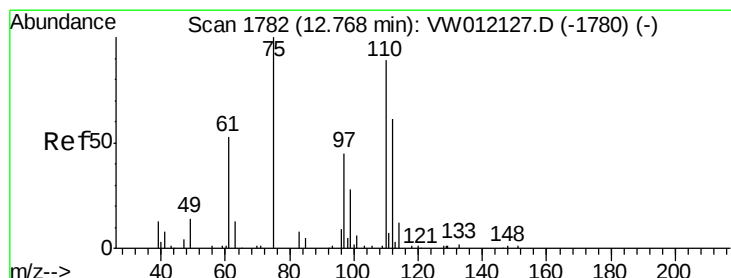
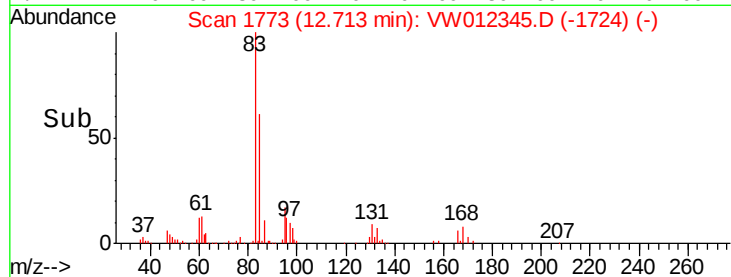
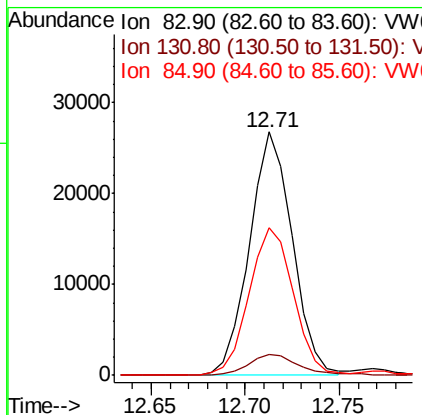
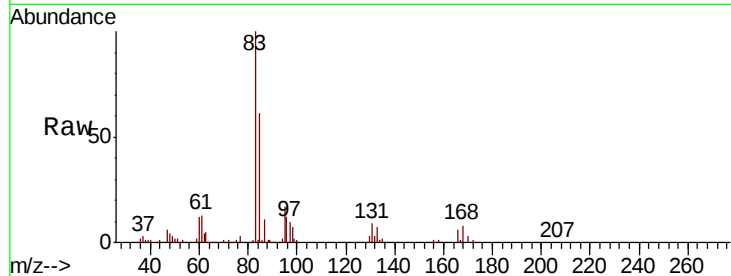
ClientSampleId :

VW0830SBSD01

Tot Ion:	83	Resp:	42283
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	62.7	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 20.610 ug/l m

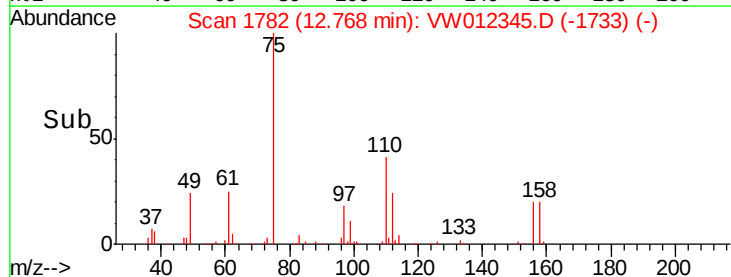
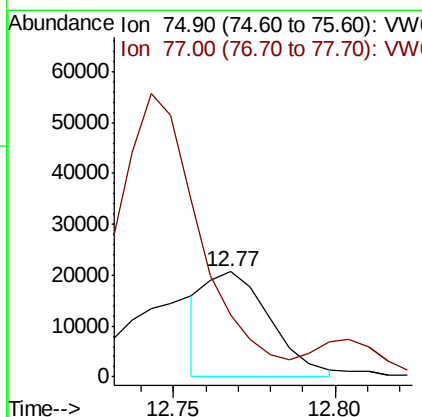
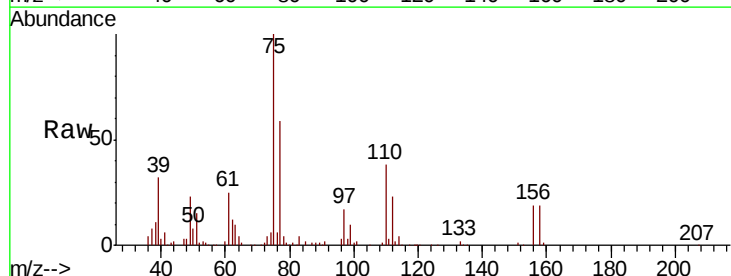
RT: 12.77 min Scan# 1782

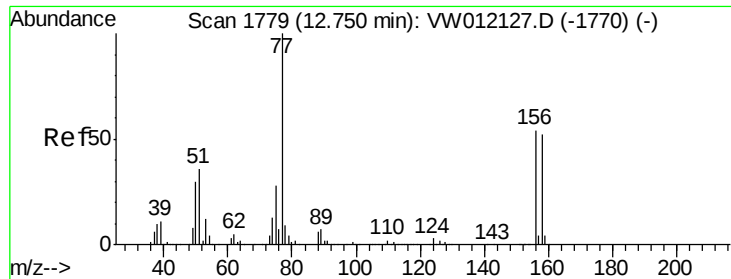
Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion:	75	Resp:	28645
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





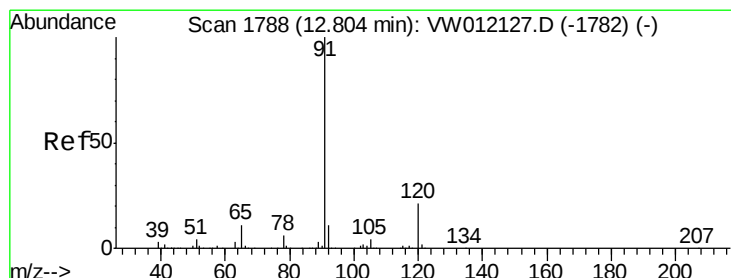
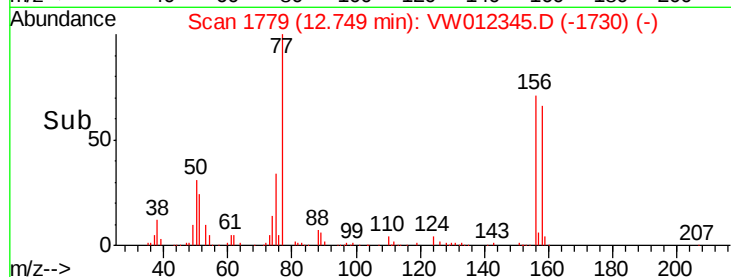
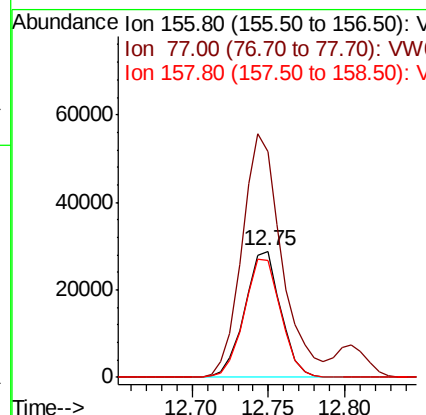
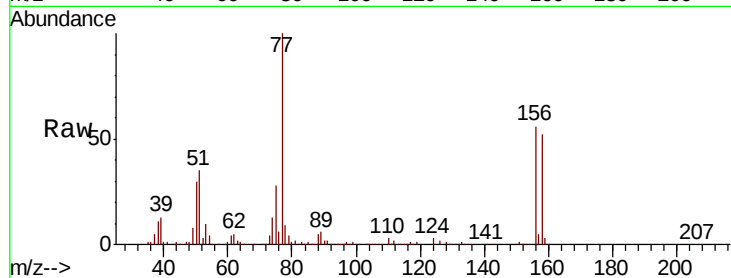
#77
Bromobenzene
Concen: 20.274 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	213.5	107.3	321.8	
158	96.0	49.0	147.0	

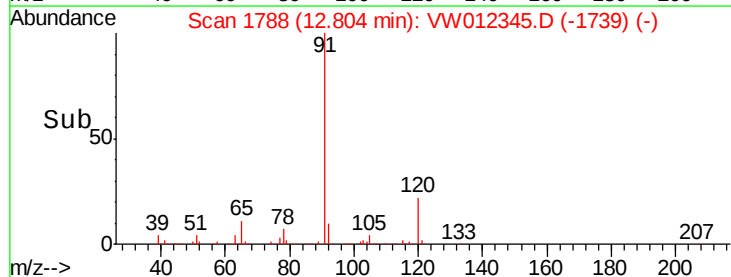
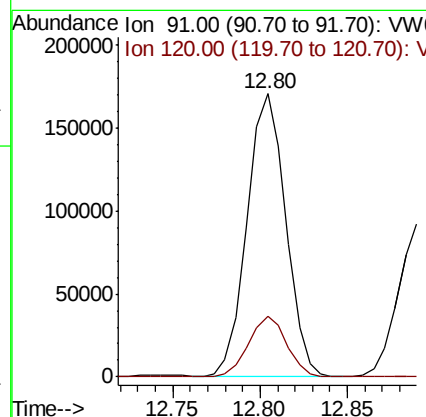
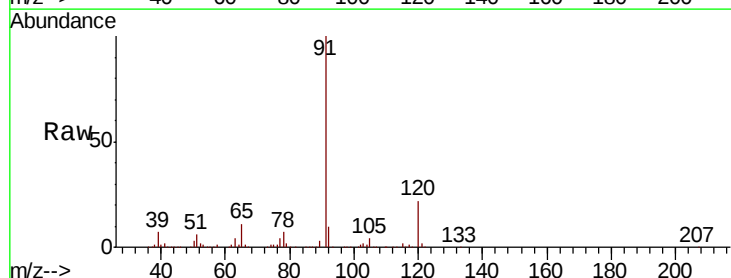
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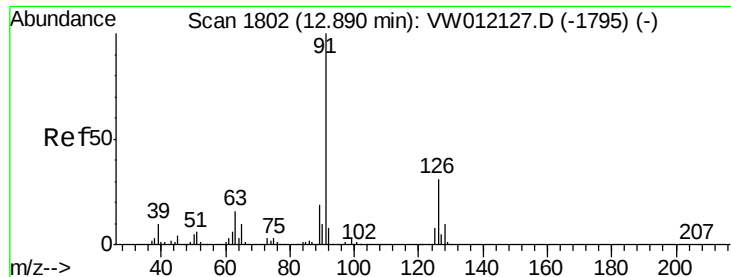
MMDadoda
8/31/2019 9:11:15 AM



#78
n-propylbenzene
Concen: 20.080 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.3	10.5	31.6	





#79

2-Chlorotoluene

Concen: 19.958 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 91 Resp: 147918

Ion Ratio Lower Upper

91 100

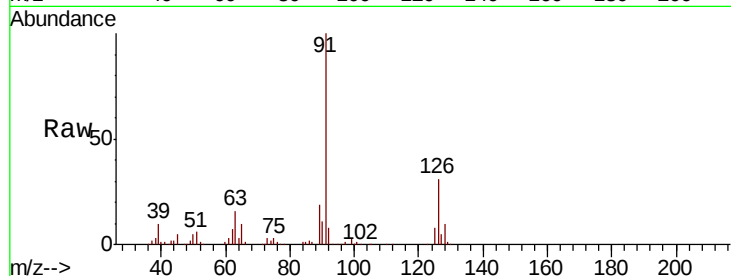
126 31.5 15.7 47.0

Manual Integrations

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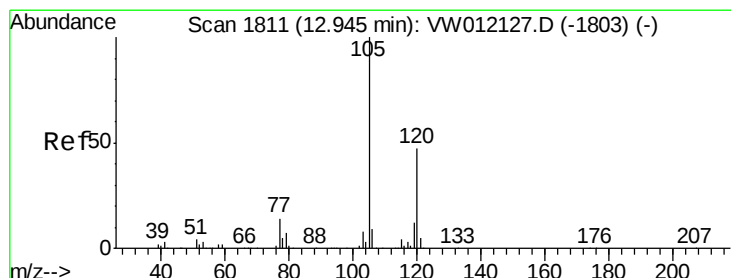
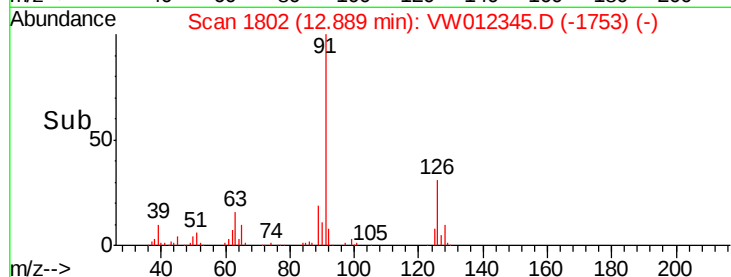
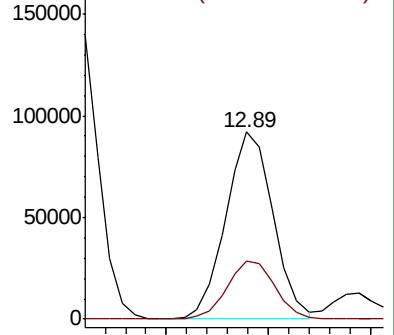
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.233 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012345.D

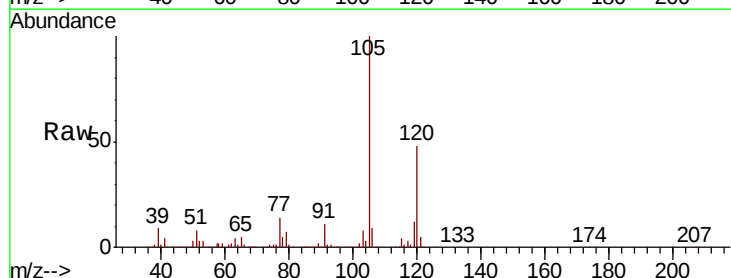
Acq: 30 Aug 2019 12:00

Tgt Ion:105 Resp: 180780

Ion Ratio Lower Upper

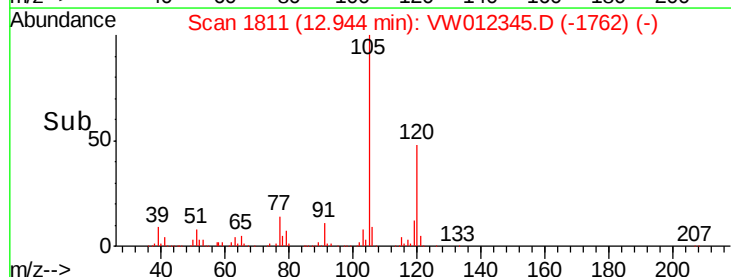
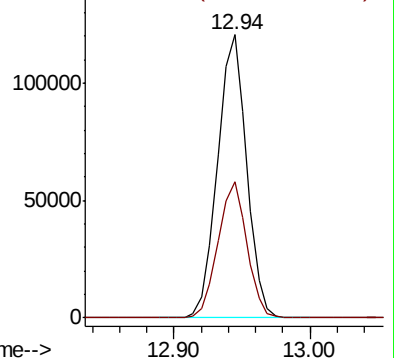
105 100

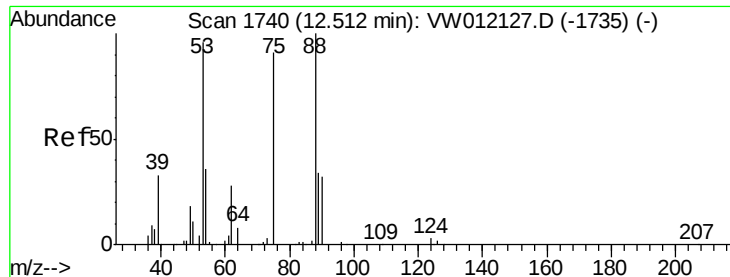
120 48.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





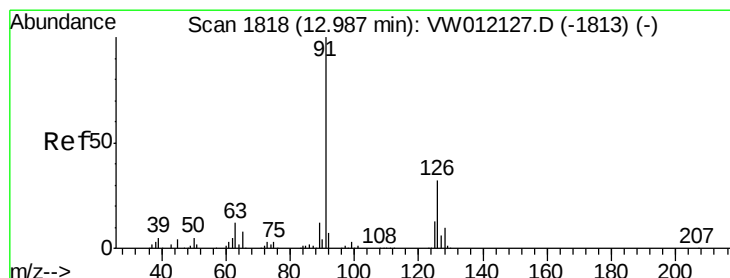
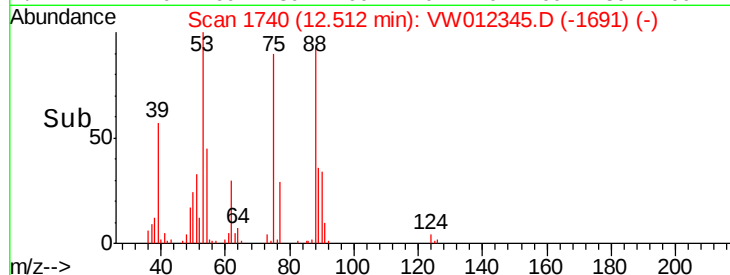
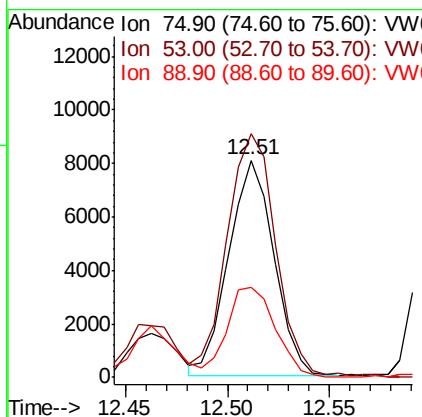
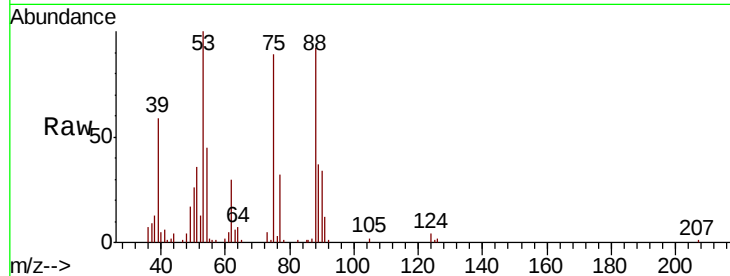
#81
trans-1,4-Dichloro-2-butene
Concen: 19.573 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.8	89.4	134.0
89	44.1	34.5	51.7

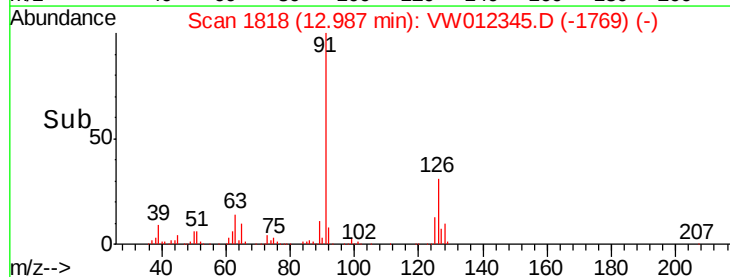
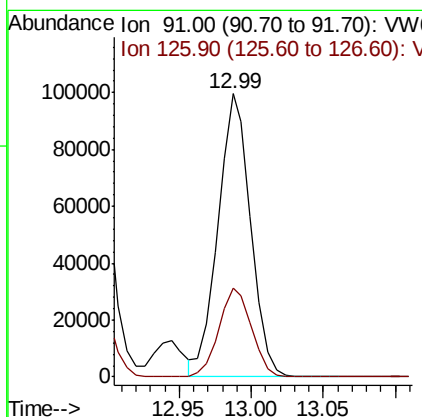
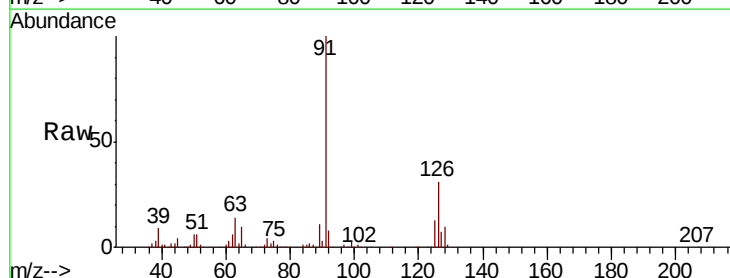
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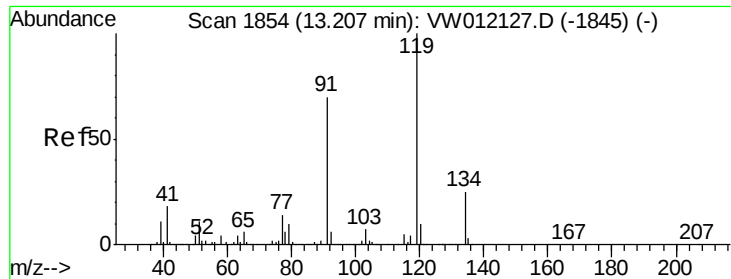
MMDadoda
8/31/2019 9:11:15 AM



#82
4-Chlorotoluene
Concen: 20.192 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





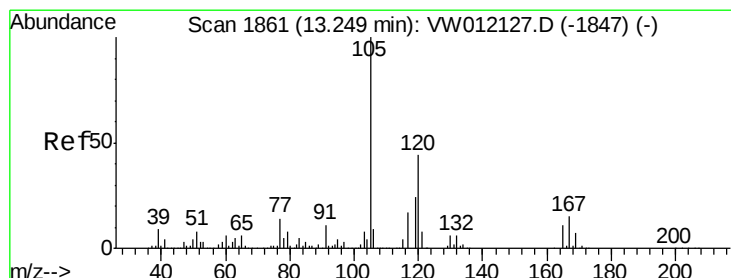
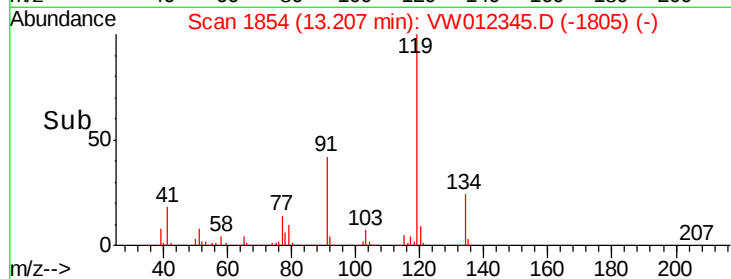
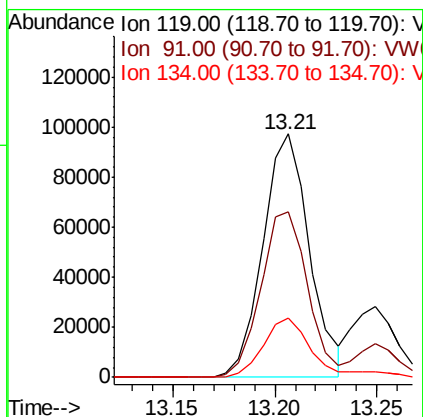
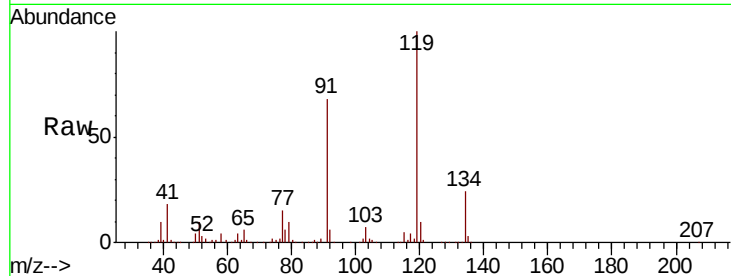
#83
tert-Butylbenzene
Concen: 20.464 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.8	104.3
134	24.4	13.3	39.8

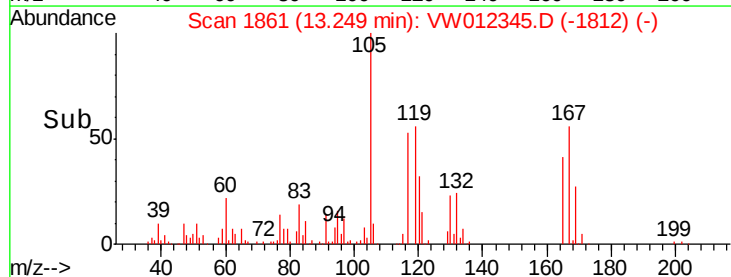
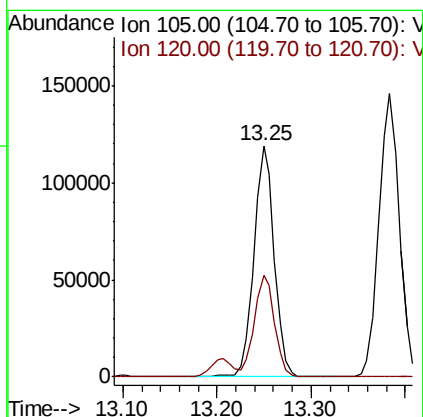
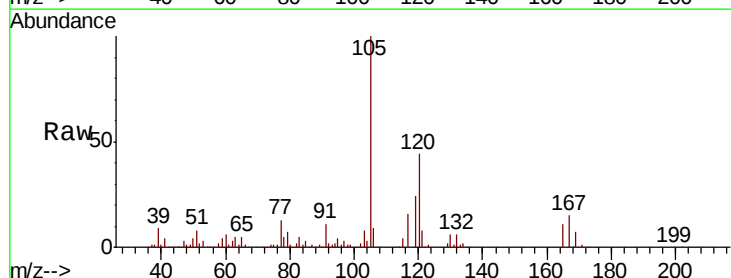
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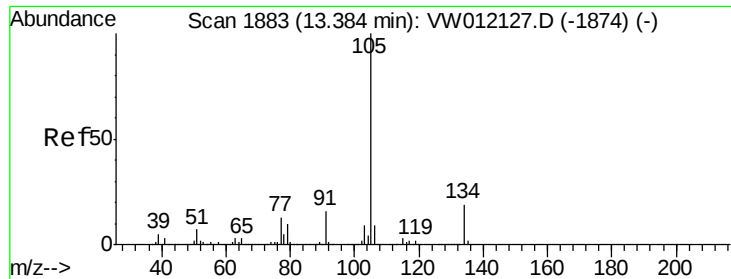
MMDadoda
8/31/2019 9:11:15 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.163 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.9	65.7





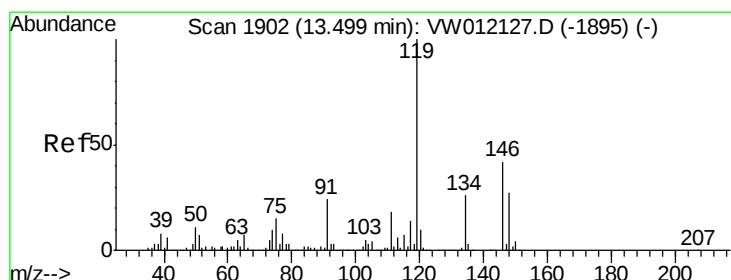
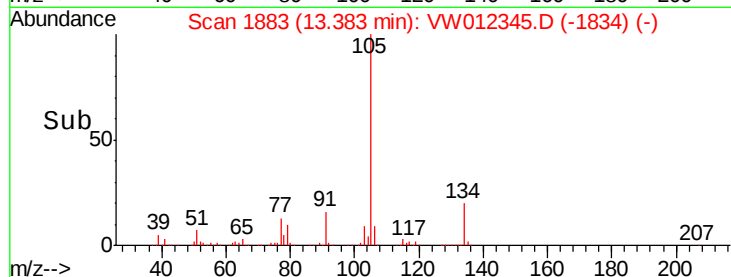
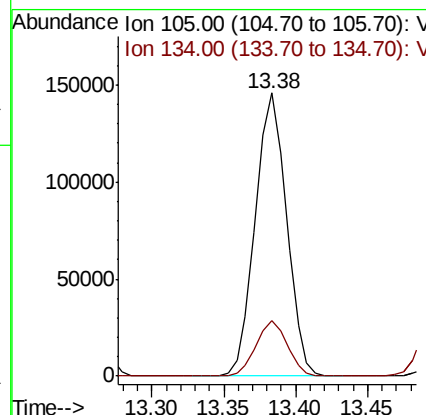
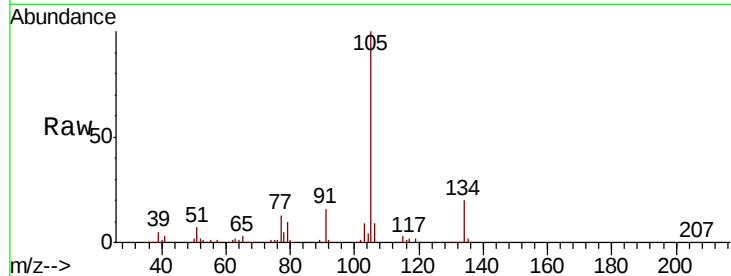
#85
 sec-Butylbenzene
 Concen: 20.217 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	219227		
134	19.5	9.8	29.4	

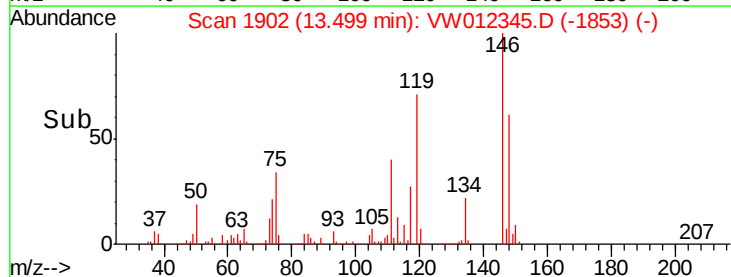
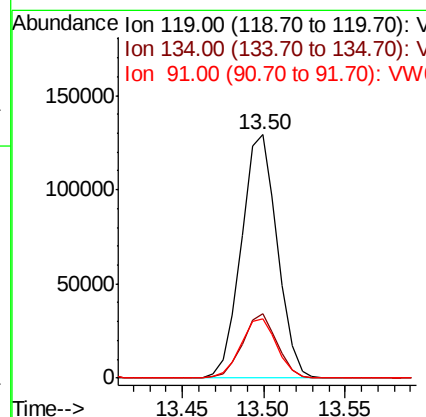
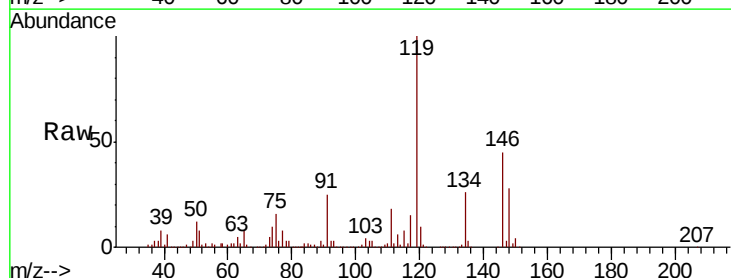
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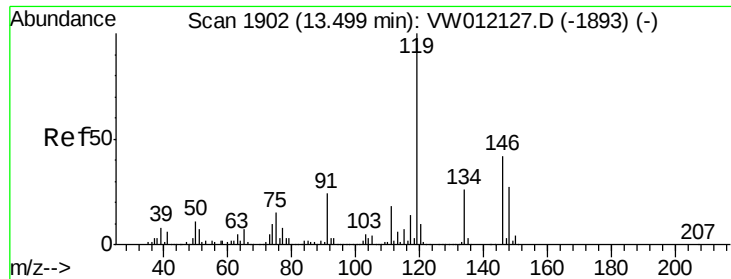
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#86
 p-Isopropyltoluene
 Concen: 20.408 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	197629		
134	25.5	12.8	38.3	
91	24.4	12.3	36.9	





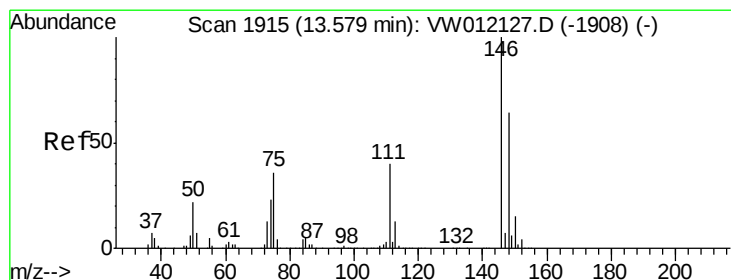
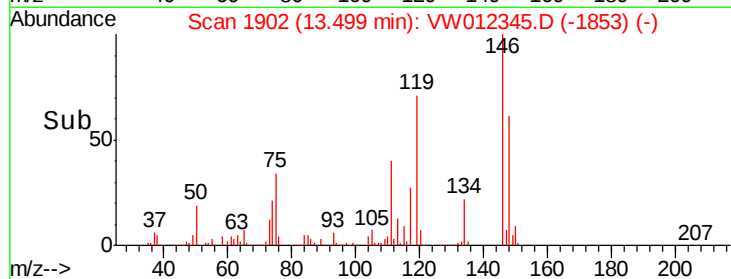
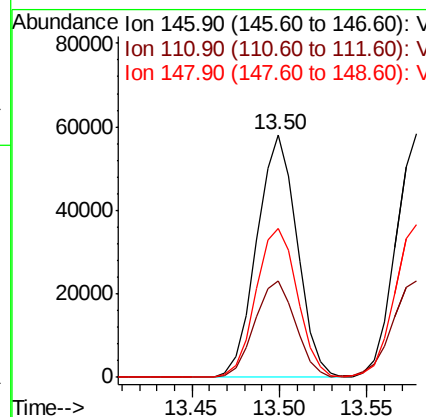
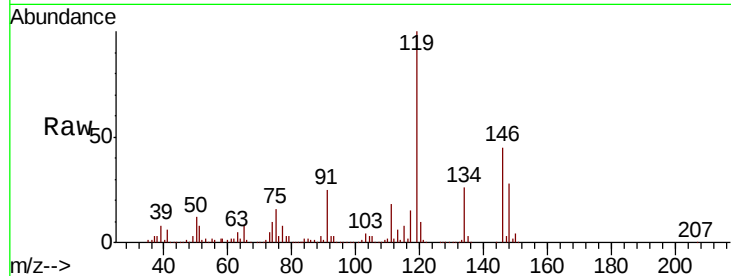
#87
 1,3-Dichlorobenzene
 Concen: 20.462 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.9	62.7
148	63.0	32.2	96.6

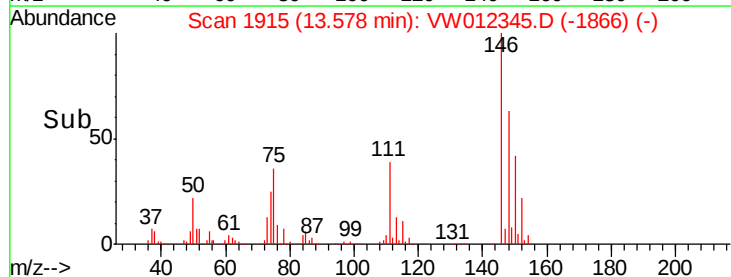
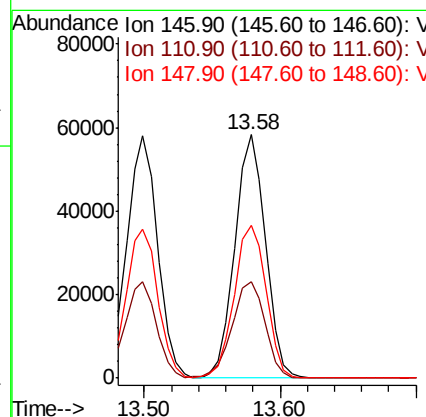
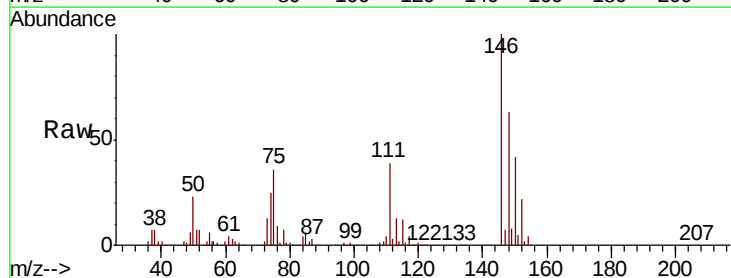
Manual Integrations
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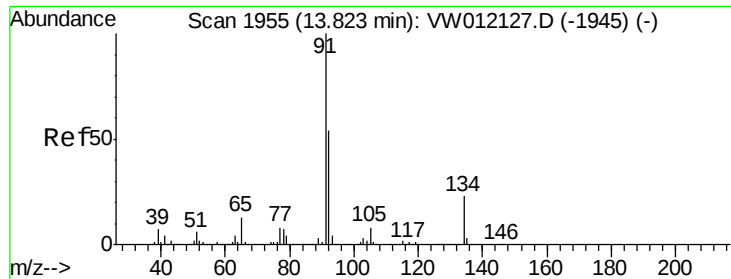
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 8/31/2019 9:11:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.336 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.0	60.0
148	65.6	32.1	96.3





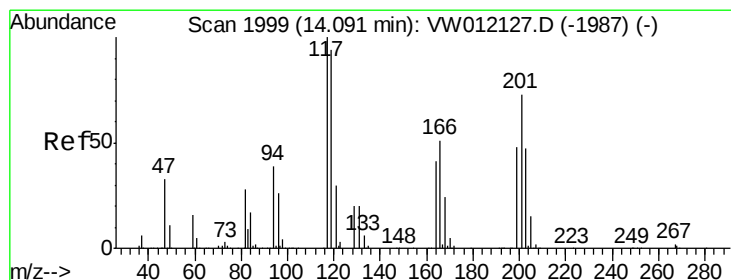
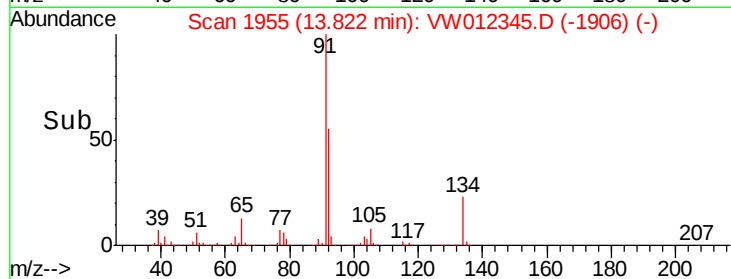
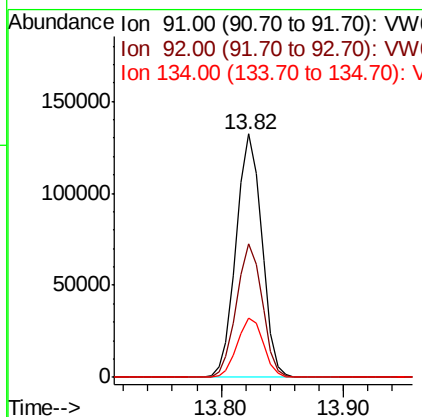
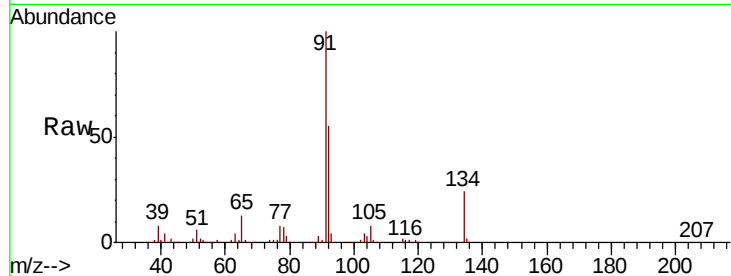
#89
n-Butylbenzene
Concen: 19.978 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	192392		
92	55.2	27.1	81.2	
134	24.6	12.2	36.4	

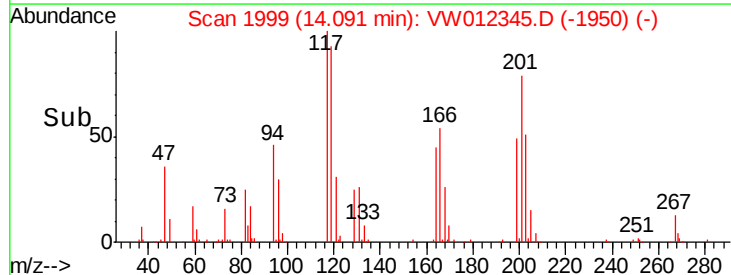
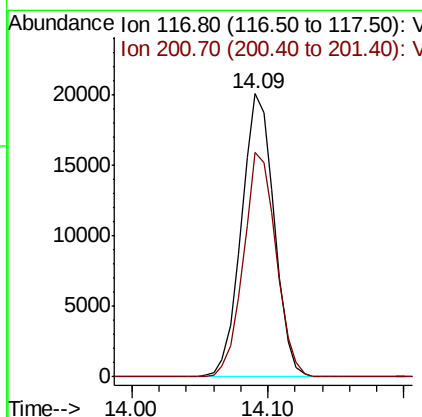
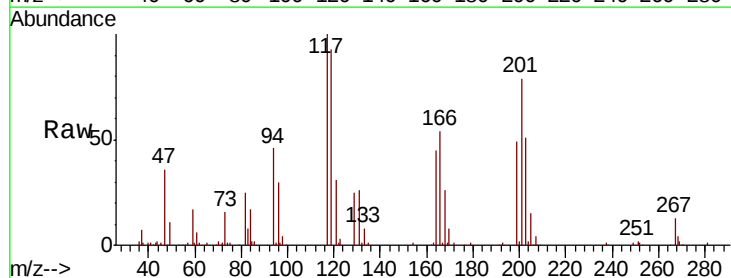
Manual Integrations
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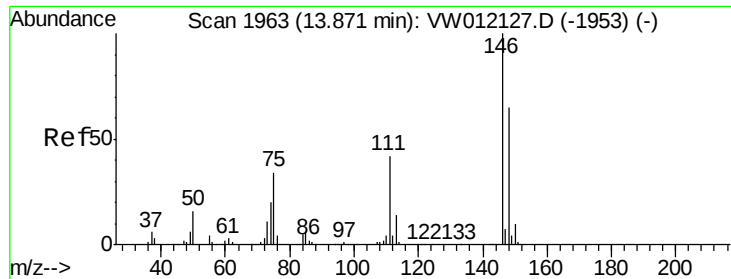
MMDadoda
8/31/2019 9:11:15 AM



#90
Hexachloroethane
Concen: 19.801 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33642		
201	79.5	38.6	115.7	





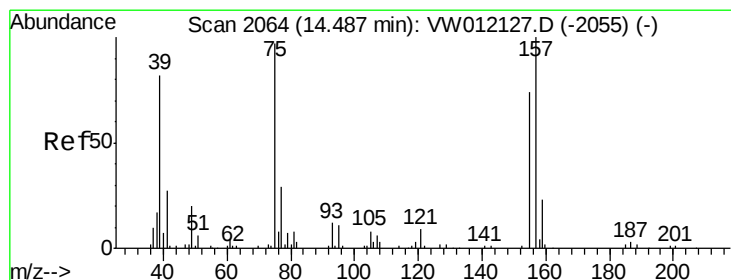
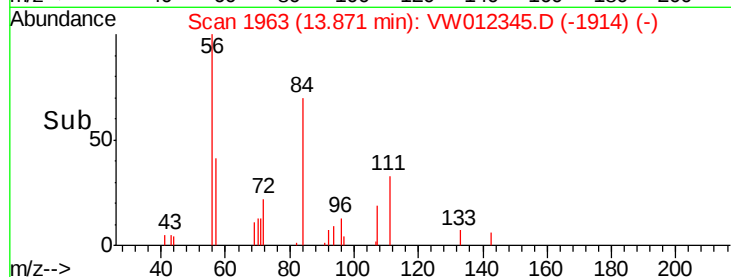
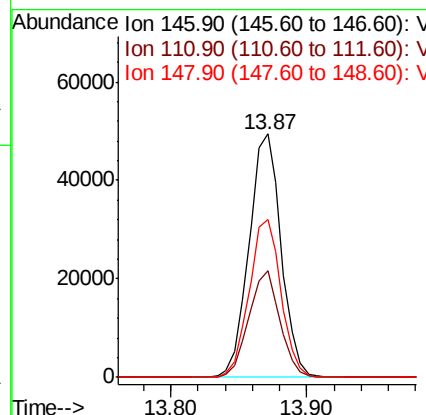
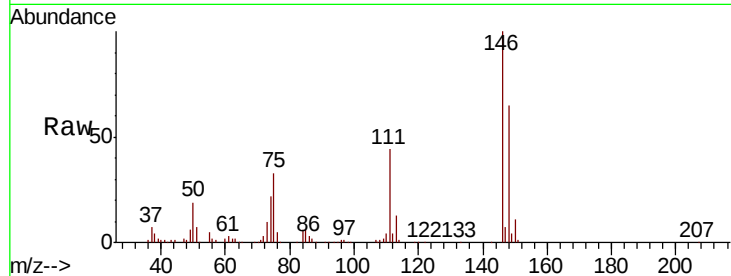
#91
 1,2-Dichlorobenzene
 Concen: 20.515 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	64.6	32.5	97.4

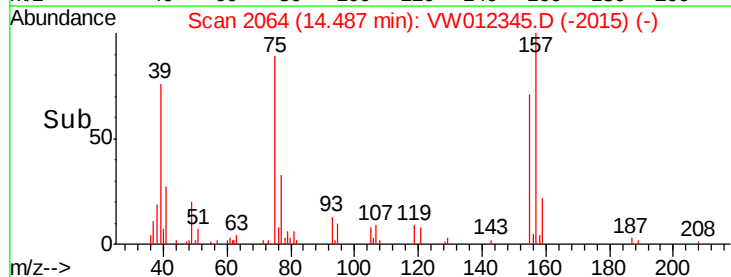
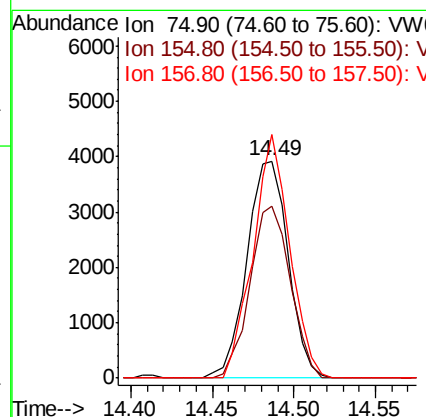
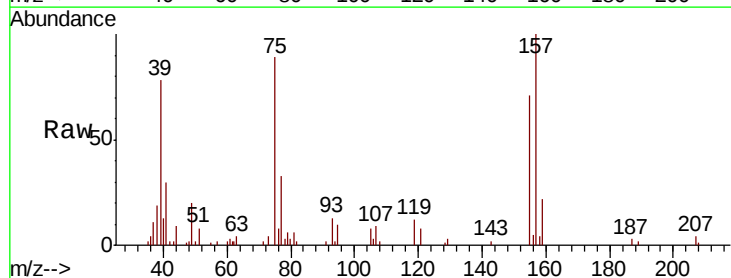
Manual Integrations
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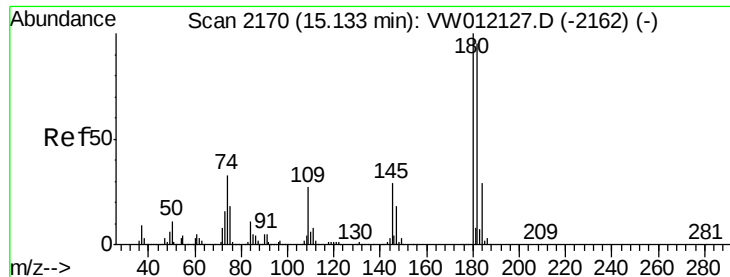
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.866 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	37.5	112.3
157	100.0	50.5	151.5





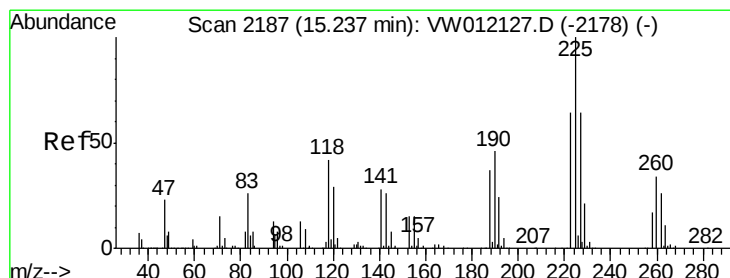
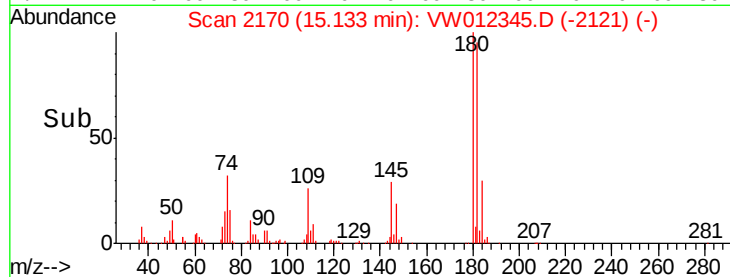
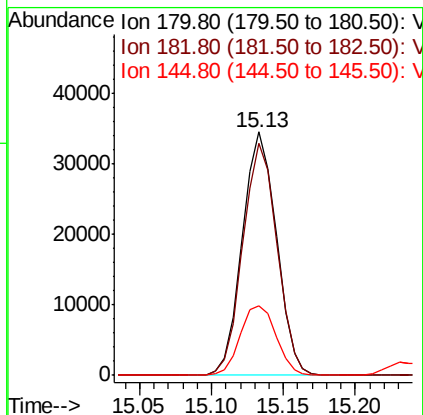
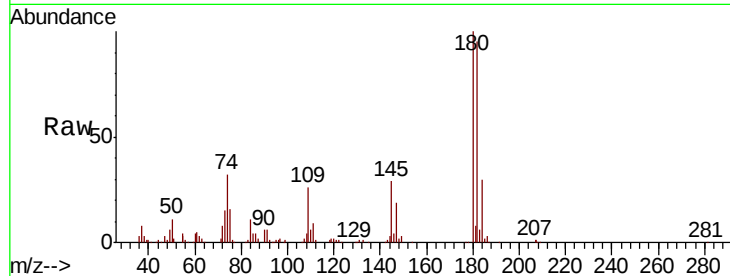
#93
 1,2,4-Trichlorobenzene
 Concen: 20.740 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56891		
182	95.4	47.8	143.4	
145	30.2	15.0	45.1	

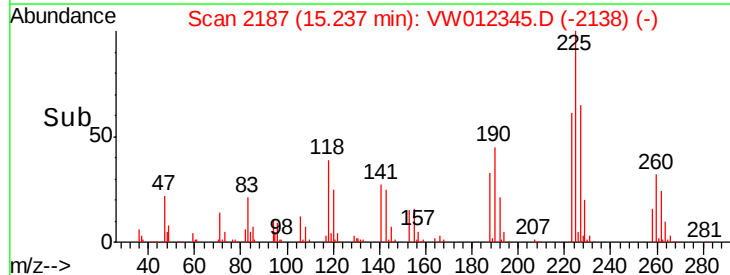
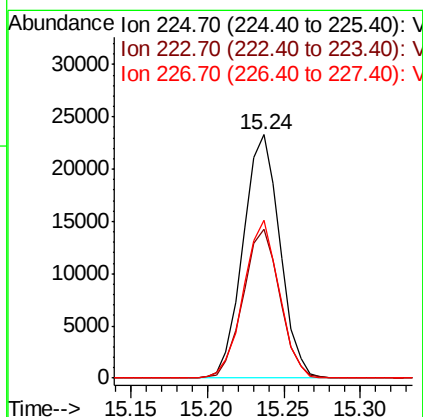
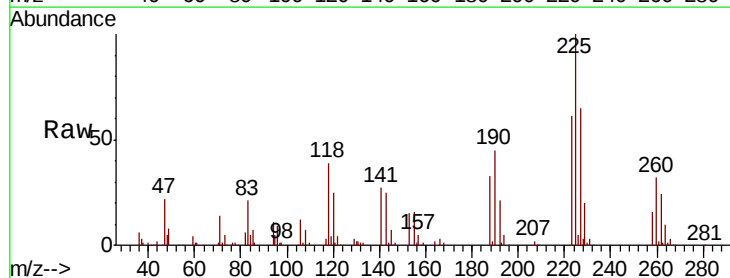
Manual Integrations
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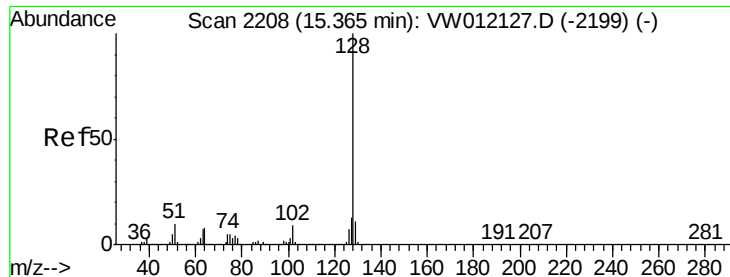
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 8/31/2019 9:11:15 AM



#94
 Hexachlorobutadiene
 Concen: 21.520 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38979		
223	61.0	32.3	96.8	
227	62.8	32.9	98.6	





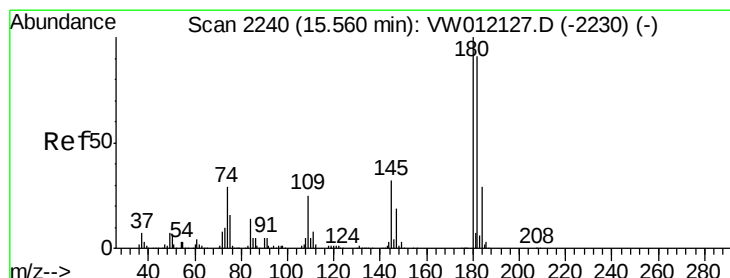
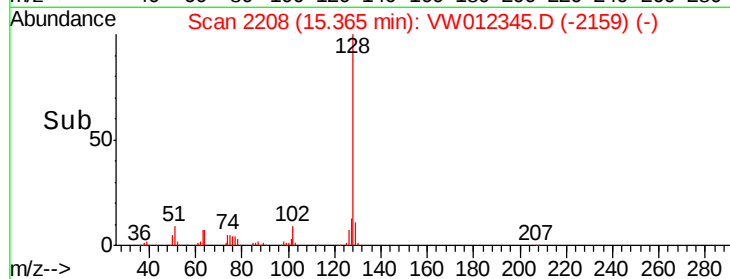
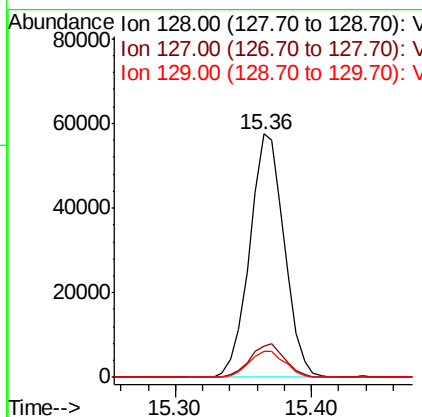
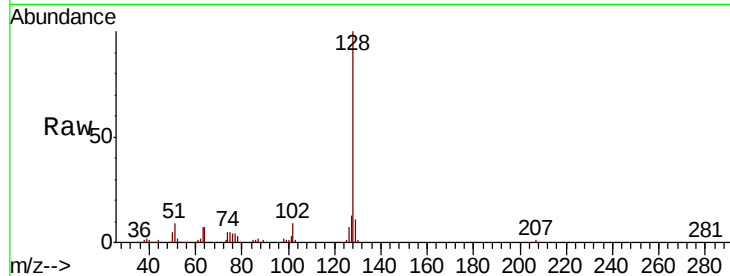
#95
Naphthalene
Concen: 21.713 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBSD01

Tot Ion:	128	Resp:	102469
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.7	16.1
129	11.4	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.023 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion:	180	Resp:	50313
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.1	141.3
145	32.9	16.2	48.5

