

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012441.D
 Acq On : 01 Sep 2019 12:13
 Operator : SY/VA
 Sample : VW0901SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:25 AM

Quant Time: Sep 02 07:39:21 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	210489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	327163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	140697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	129685	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	7.88	113	101957	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.32	98	403794	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.62	95	143696	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24470	18.880	ug/l	89
3) Chloromethane	2.21	50	40831	20.334	ug/l	100
4) Vinyl Chloride	2.35	62	50808	20.673	ug/l	95
5) Bromomethane	2.75	94	27287	21.923	ug/l	93
6) Chloroethane	2.92	64	30056	21.679	ug/l	99
7) Trichlorofluoromethane	3.25	101	30400	24.634	ug/l	99
8) Diethyl Ether	3.68	74	23913	20.415	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45720	21.796	ug/l	99
10) Methyl Iodide	4.27	142	56942	20.063	ug/l	96
11) Tert butyl alcohol	5.16	59	17922	119.019	ug/l	100
12) 1,1-Dichloroethene	4.04	96	42686	20.218	ug/l	96
13) Acrolein	3.89	56	12339	87.051	ug/l	100
14) Allyl chloride	4.67	41	92239	20.436	ug/l	99
15) Acrylonitrile	5.37	53	61582	106.066	ug/l	99
16) Acetone	4.12	43	69795	109.120	ug/l	100
17) Carbon Disulfide	4.38	76	109098	17.098	ug/l	97
18) Methyl Acetate	4.67	43	35773	22.581	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	78676	23.043	ug/l	99
20) Methylene Chloride	4.92	84	48606	20.102	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	44791	19.784	ug/l	99
22) Diisopropyl ether	6.31	45	183101	21.885	ug/l	99
23) Vinyl Acetate	6.25	43	537305	104.354	ug/l	100
24) 1,1-Dichloroethane	6.21	63	97943	21.500	ug/l	100
25) 2-Butanone	7.16	43	91722	105.529	ug/l	99
26) 2,2-Dichloropropane	7.16	77	60817	23.587	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	51361	21.233	ug/l	98
28) Bromochloromethane	7.51	49	43069	21.692	ug/l	97
29) Tetrahydrofuran	7.53	42	55392	106.225	ug/l	99
30) Chloroform	7.68	83	93039	22.324	ug/l	97
31) Cyclohexane	7.95	56	86282	19.144	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	74940	22.730	ug/l	99
36) 1,1-Dichloropropene	8.09	75	73617	21.775	ug/l	99
37) Ethyl Acetate	7.25	43	40624	21.927	ug/l	99
38) Carbon Tetrachloride	8.07	117	66525	22.734	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76425	20.122	ug/l	100
40) Benzene	8.32	78	200311	21.698	ug/l	99
41) Methacrylonitrile	7.48	41	27685	25.425	ug/l	94
42) 1,2-Dichloroethane	8.40	62	66314	22.920	ug/l	100
43) Isopropyl Acetate	8.42	43	74959	21.843	ug/l	100
44) Trichloroethene	9.09	130	49499	22.057	ug/l	96
45) 1,2-Dichloropropane	9.37	63	53813	21.659	ug/l	98
46) Dibromomethane	9.46	93	24086	21.789	ug/l	97
47) Bromodichloromethane	9.64	83	65755	22.350	ug/l	97
48) Methyl methacrylate	9.43	41	35797	21.917	ug/l	99
49) 1,4-Dioxane	9.45	88	7267	429.417	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	194890	111.655	ug/l	100
52) Toluene	10.38	92	122042	22.006	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	66699	22.257	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	78871	21.797	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35091	22.436	ug/l	99
56) Ethyl methacrylate	10.65	69	51135	22.464	ug/l	98
57) 1,3-Dichloropropane	10.93	76	66602	22.534	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	124949	106.953	ug/l	99
59) 2-Hexanone	10.97	43	138252	111.942	ug/l	99
60) Dibromochloromethane	11.13	129	39387	22.609	ug/l	99
61) 1,2-Dibromoethane	11.23	107	32395	22.232	ug/l	99
64) Tetrachloroethene	10.86	164	40178	21.846	ug/l	96
65) Chlorobenzene	11.66	112	124723	22.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45200	23.196	ug/l	99
67) Ethyl Benzene	11.73	91	239725	22.279	ug/l	98
68) m/p-Xylenes	11.84	106	172030	44.385	ug/l	98
69) o-Xylene	12.16	106	79548	22.175	ug/l	99
70) Styrene	12.18	104	138646	22.329	ug/l	98
71) Bromoform	12.35	173	21902	22.559	ug/l #	100
73) Isopropylbenzene	12.46	105	230439	21.858	ug/l	99
74) N-amyl acetate	12.27	43	68707	21.571	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	40806	21.113	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	34469m	25.155	ug/l	
77) Bromobenzene	12.74	156	49771	21.822	ug/l	99
78) n-propylbenzene	12.80	91	283478	22.026	ug/l	98
79) 2-Chlorotoluene	12.89	91	160156	21.918	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	196164	22.268	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12854	20.567	ug/l	96
82) 4-Chlorotoluene	12.99	91	171191	22.375	ug/l	99
83) tert-Butylbenzene	13.21	119	166683	22.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	197714	22.342	ug/l	99
85) sec-Butylbenzene	13.38	105	239651	22.416	ug/l	99
86) p-Isopropyltoluene	13.50	119	215757	22.598	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	100555	22.540	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	99572	22.479	ug/l	99
89) n-Butylbenzene	13.82	91	215474	22.694	ug/l	99
90) Hexachloroethane	14.09	117	37923	22.639	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	87938	22.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7478	22.950	ug/l	92

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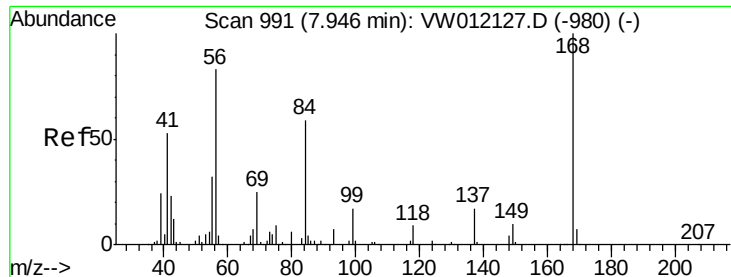
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62910	23.261	ug/l	100
94) Hexachlorobutadiene	15.24	225	44520	24.930	ug/l	98
95) Naphthalene	15.36	128	100816	21.676	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	53384	22.624	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

Tot Ion:168 Resp: 210489

Ion Ratio Lower Upper

168 100

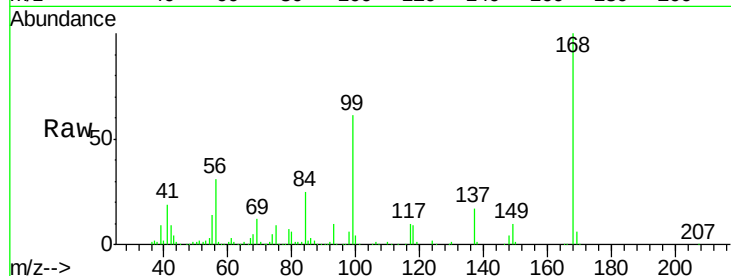
99 60.5 49.2 73.8

Manual Integrations

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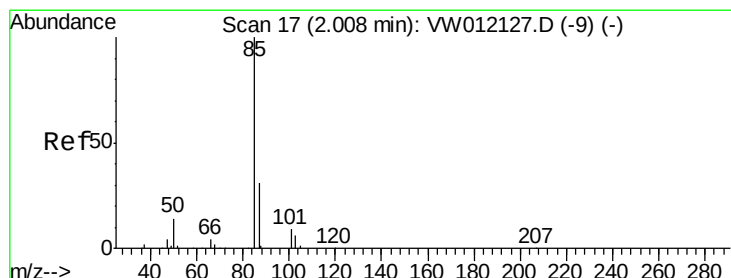
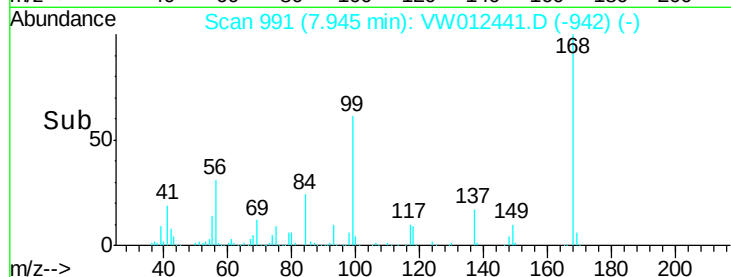
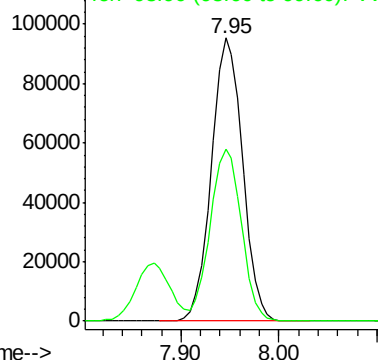
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.880 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012441.D

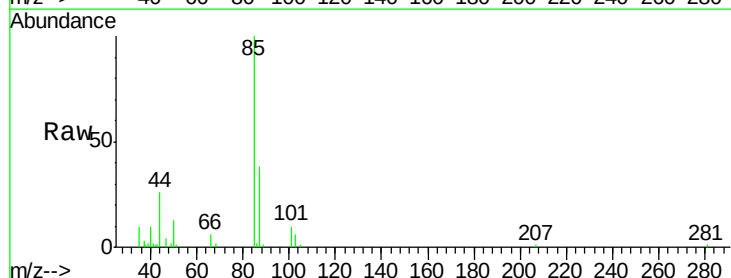
Acq: 01 Sep 2019 12:13

Tgt Ion: 85 Resp: 24470

Ion Ratio Lower Upper

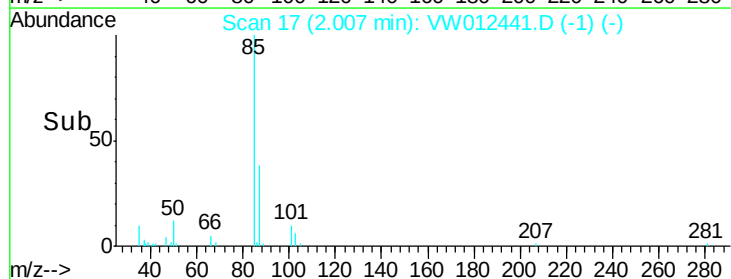
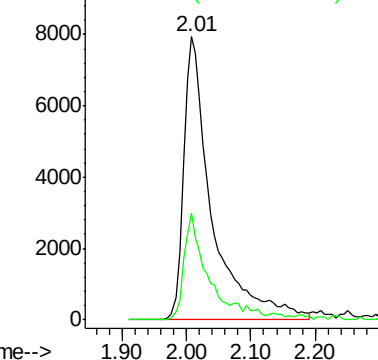
85 100

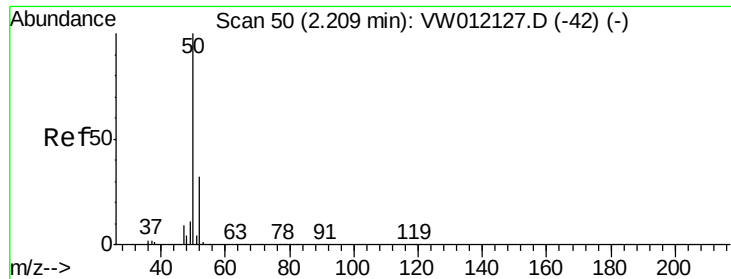
87 37.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.334 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

Tot Ion: 50 Resp: 40831

Ion Ratio Lower Upper

50 100

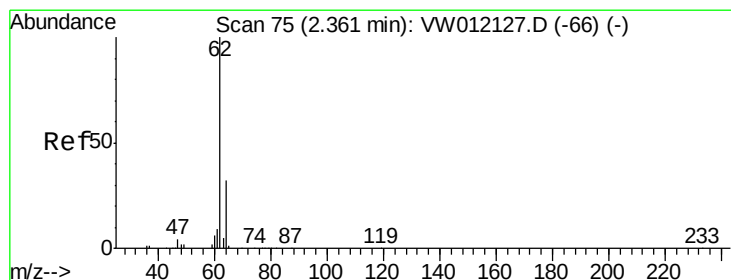
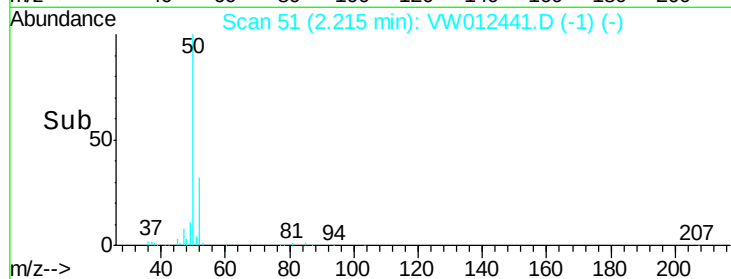
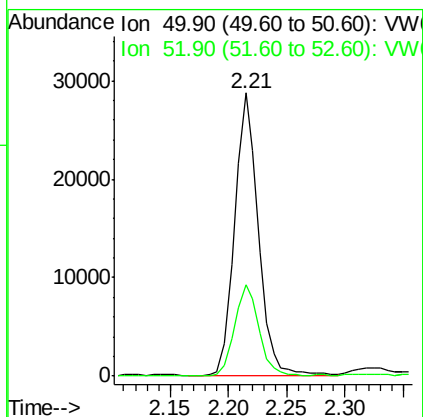
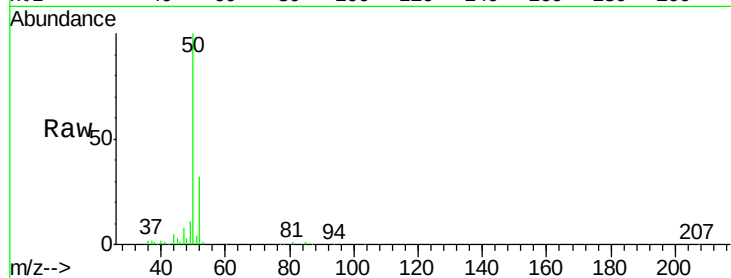
52 32.2 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.673 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012441.D

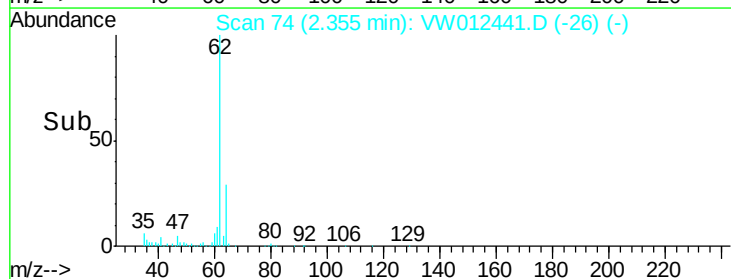
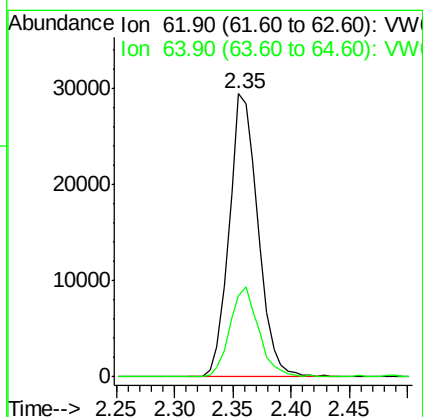
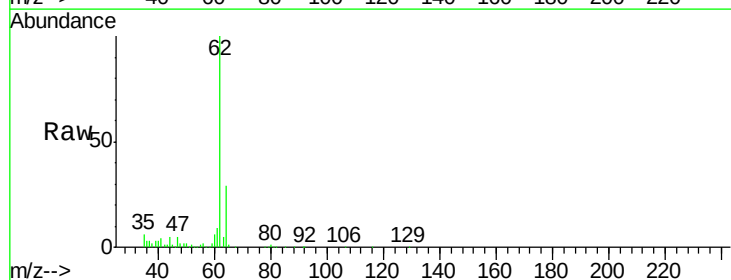
Acq: 01 Sep 2019 12:13

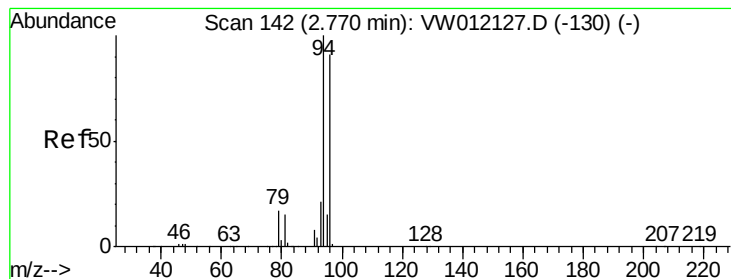
Tgt Ion: 62 Resp: 50808

Ion Ratio Lower Upper

62 100

64 28.9 25.3 37.9





#5

Bromomethane

Concen: 21.923 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

Tot Ion: 94 Resp: 27287

Ion Ratio Lower Upper

94 100

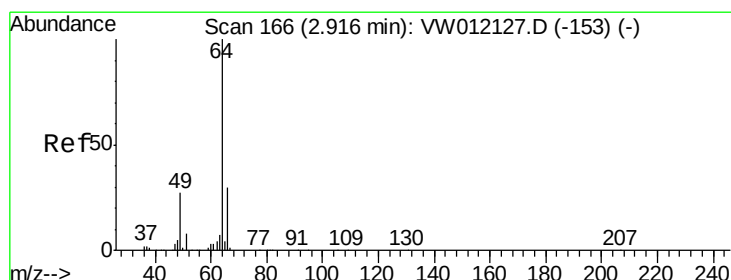
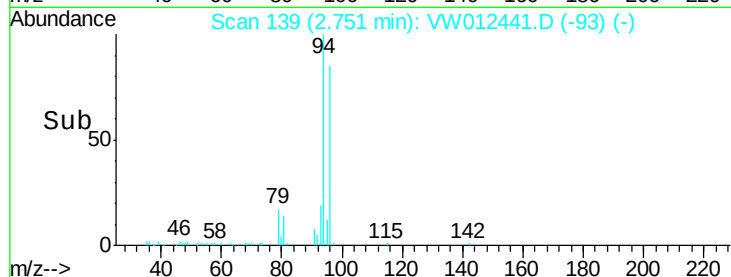
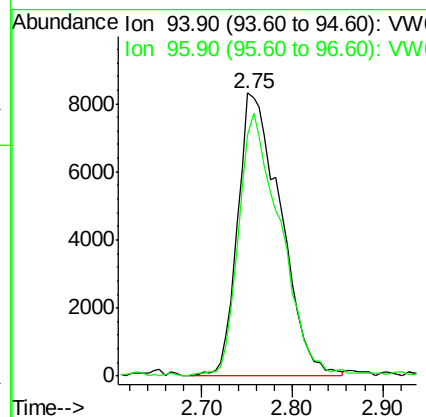
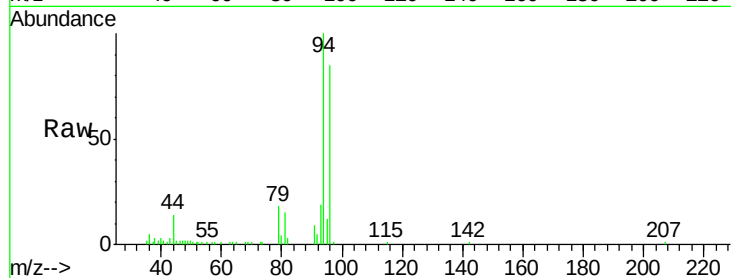
96 84.5 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 21.679 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012441.D

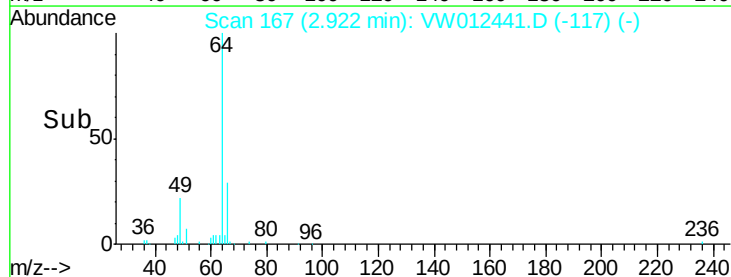
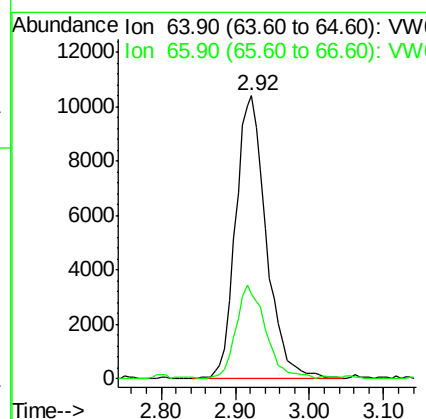
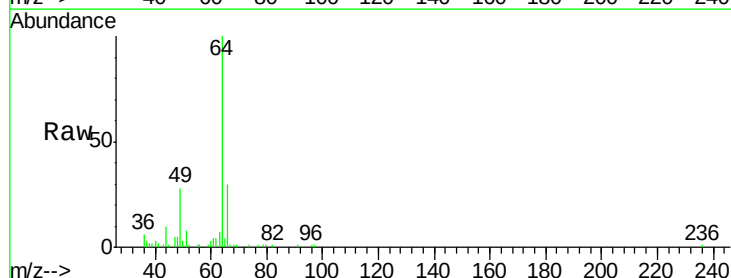
Acq: 01 Sep 2019 12:13

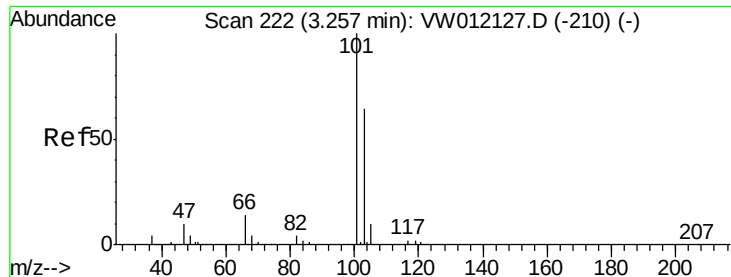
Tgt Ion: 64 Resp: 30056

Ion Ratio Lower Upper

64 100

66 29.4 23.8 35.8





#7

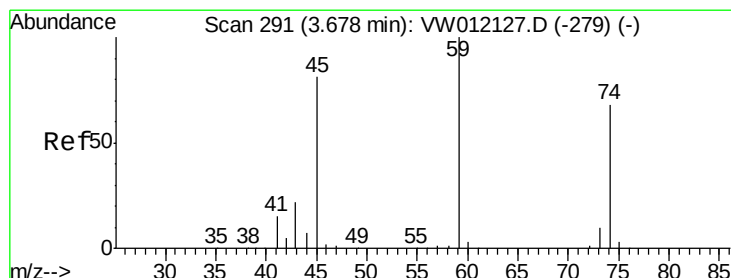
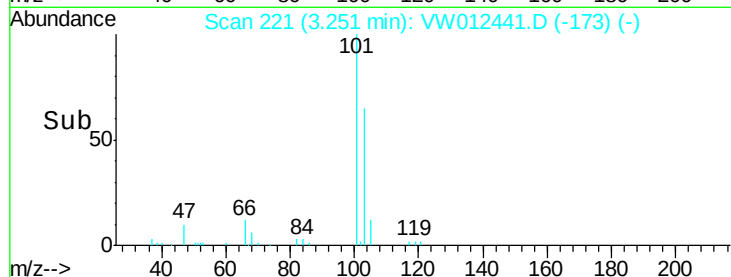
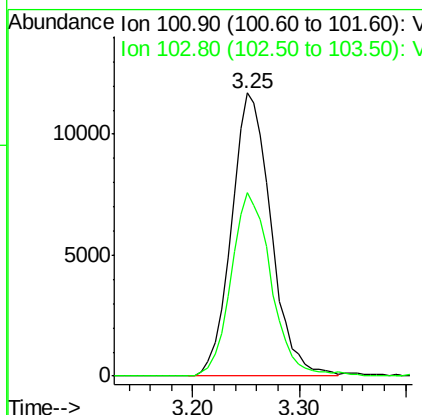
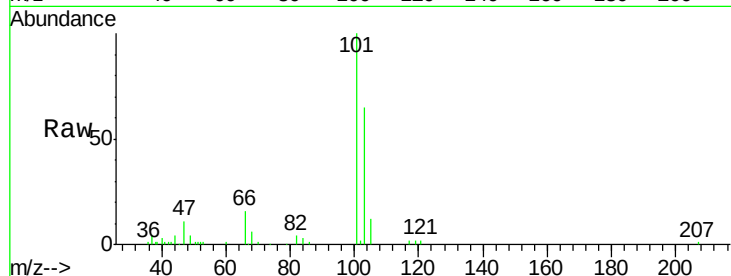
Trichlorofluoromethane
 Concen: 24.634 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

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 ClientSampleId :
 VW0901SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

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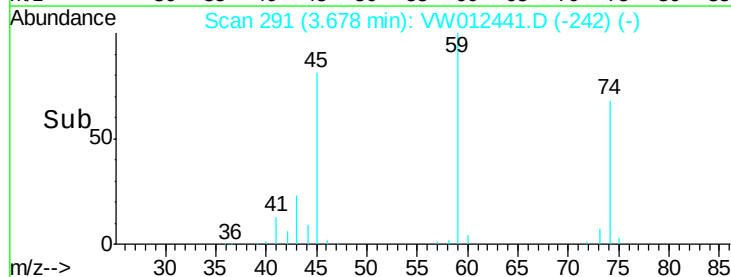
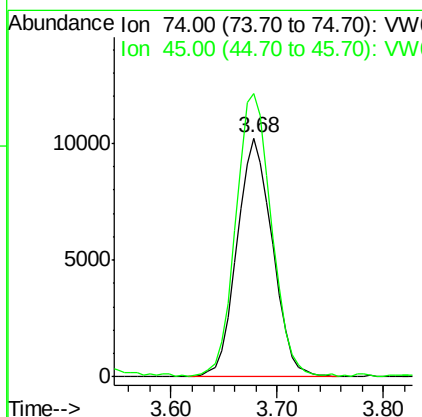
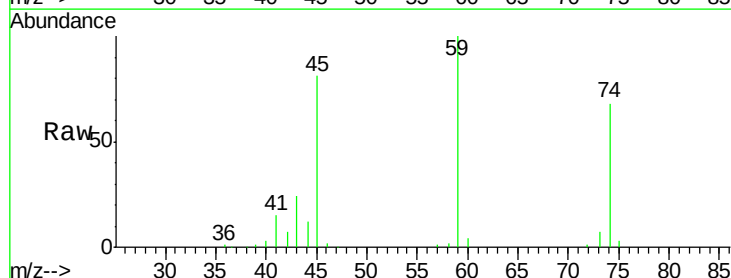
MMDadoda
 9/3/2019 10:44:25 AM

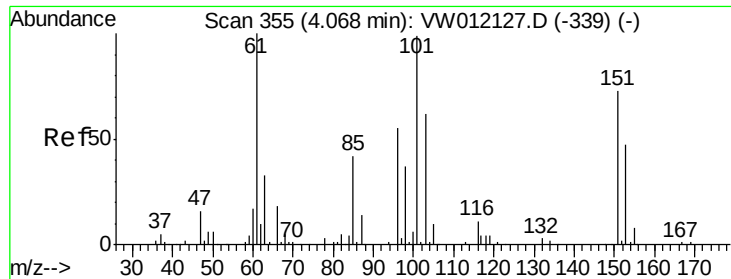


#8

Diethyl Ether
 Concen: 20.415 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.1	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.796 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

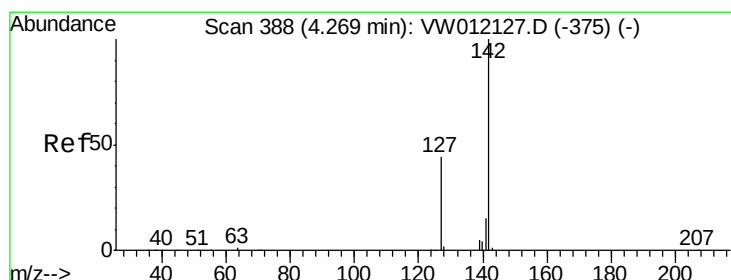
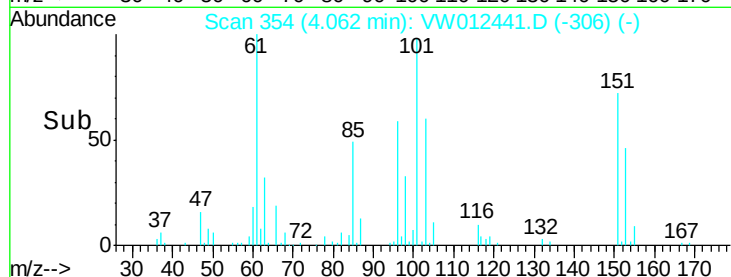
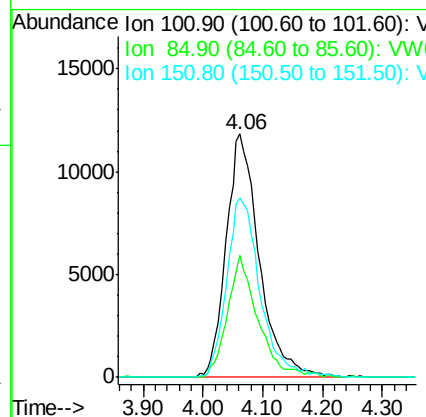
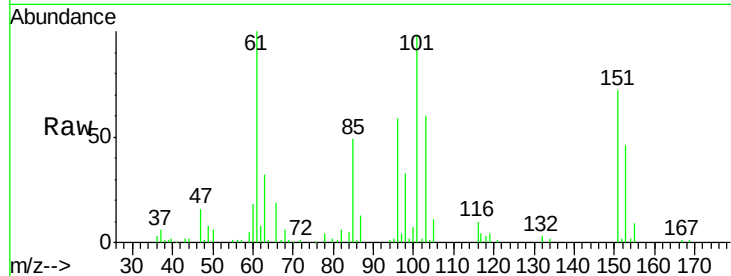
ClientSampleId :

VW0901SBSD01

Tot Ion:	101	Resp:	45720
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.8	53.6
151	74.7	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.063 ug/l

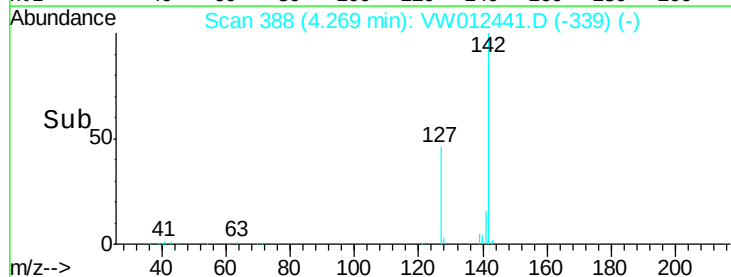
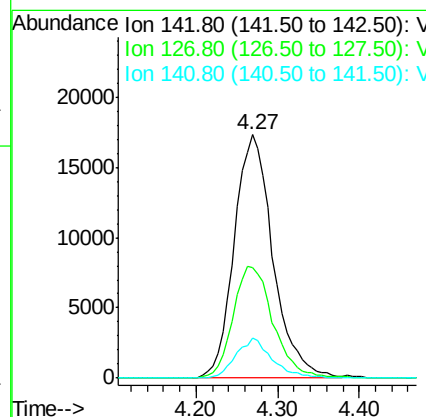
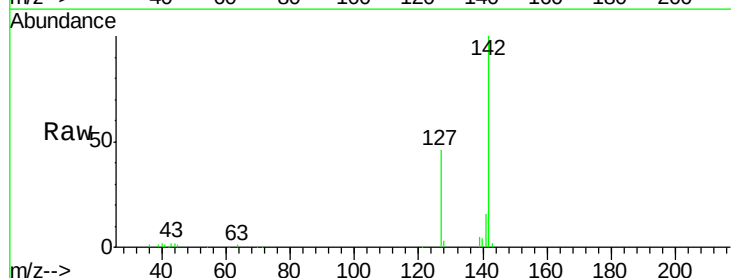
RT: 4.27 min Scan# 388

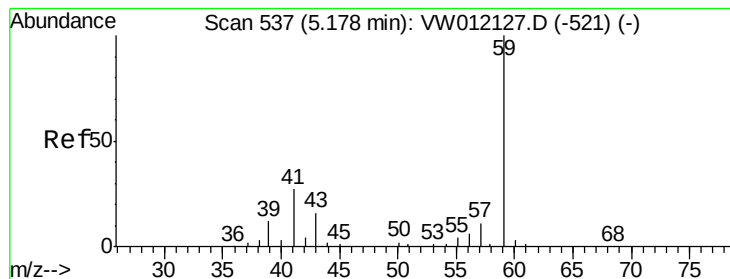
Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Tgt Ion:	142	Resp:	56942
Ion Ratio	Lower	Upper	
142	100		
127	47.4	35.5	53.3
141	15.2	11.8	17.8





#11

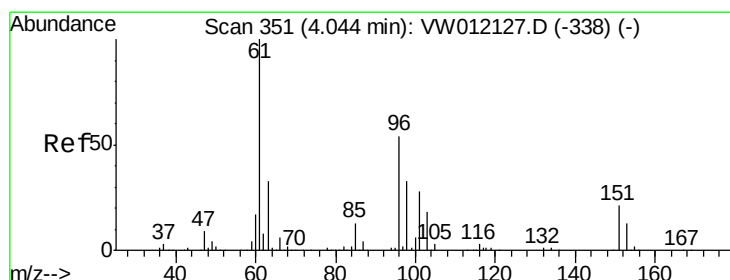
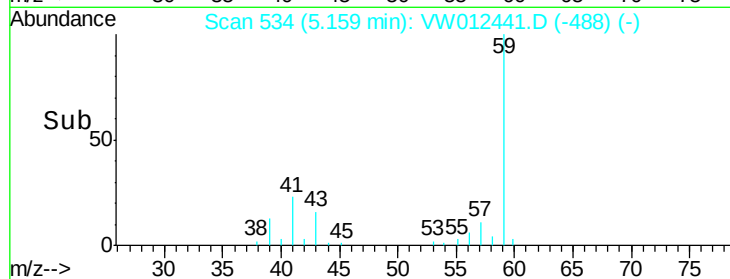
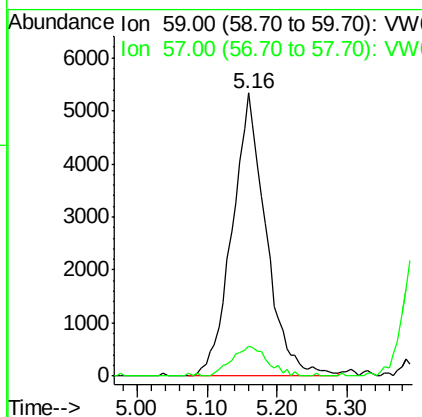
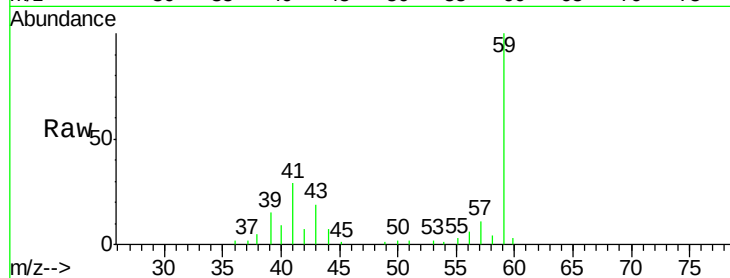
Tert butyl alcohol
Concen: 119.019 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	17922		
57	11.1		9.0	13.4

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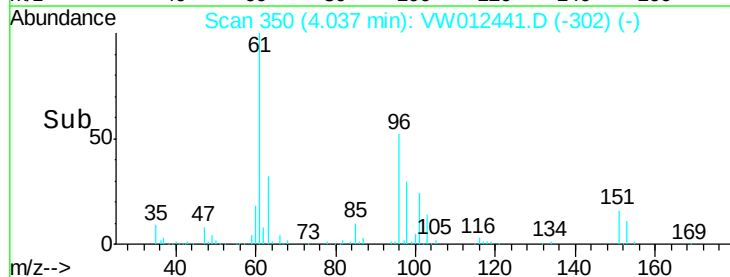
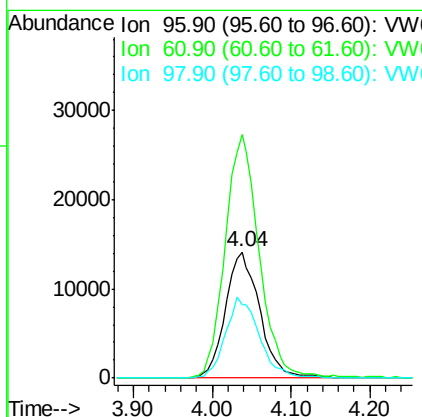
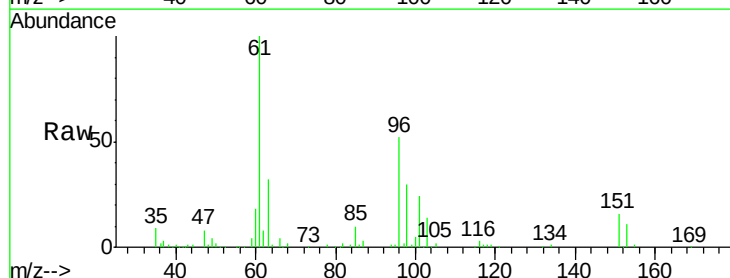
MMDadoda
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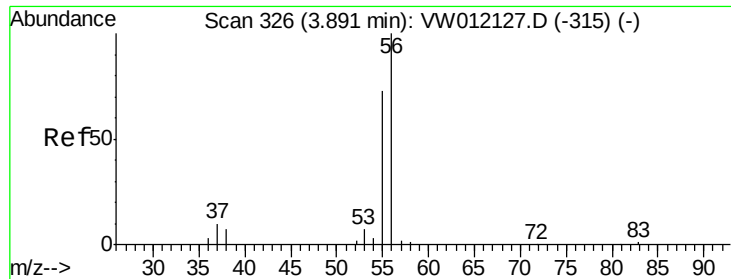


#12

1,1-Dichloroethene
Concen: 20.218 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	42686		
61	192.3		149.1	223.7
98	58.0		49.4	74.2





#13

Acrolein

Concen: 87.051 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

Tot Ion: 56 Resp: 12339

Ion Ratio Lower Upper

56 100

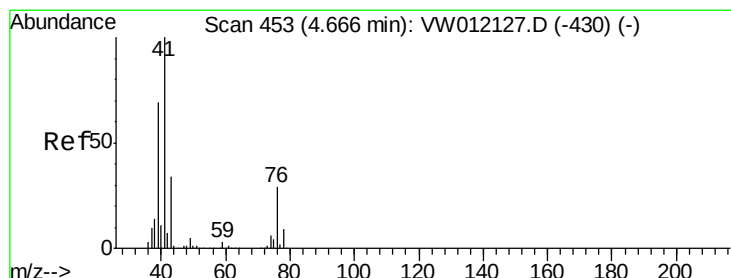
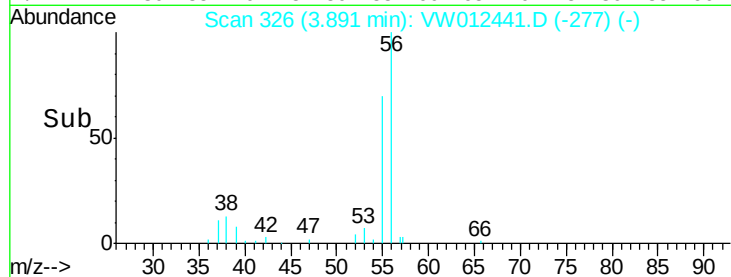
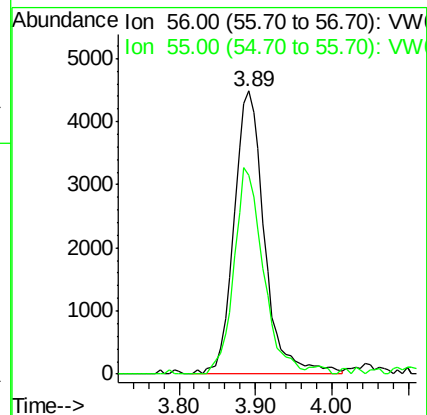
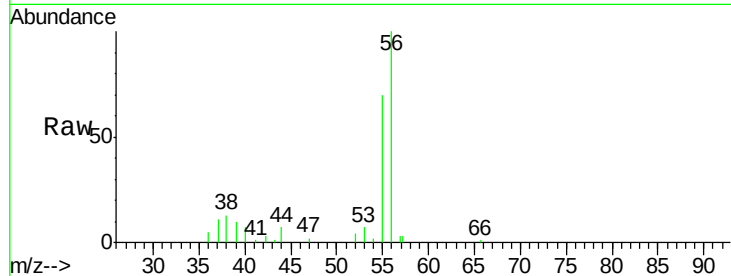
55 70.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.436 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

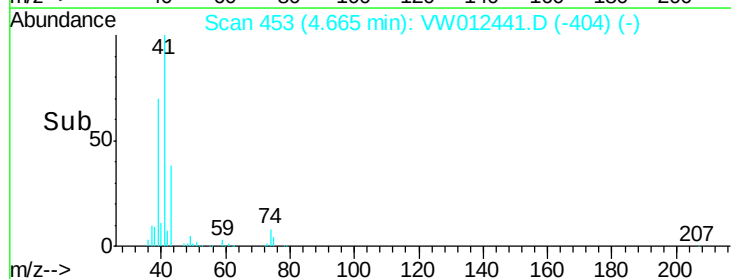
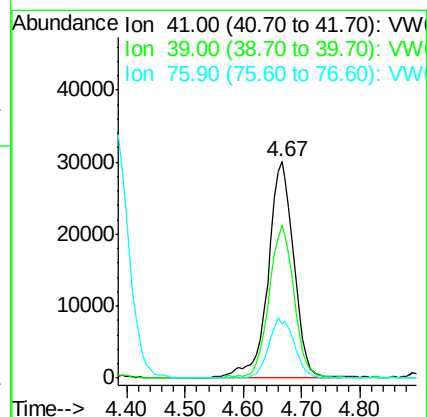
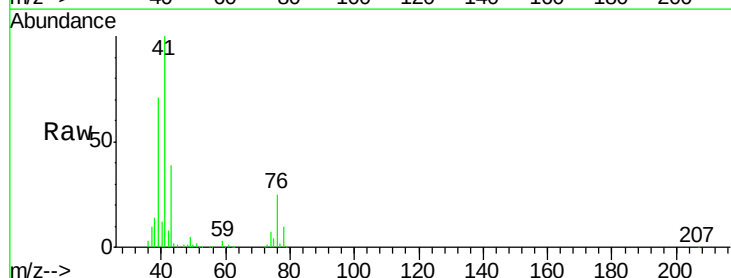
Tgt Ion: 41 Resp: 92239

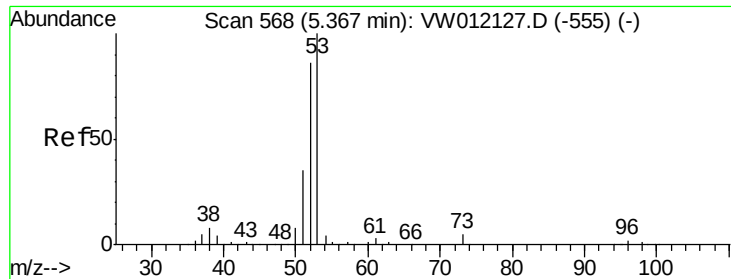
Ion Ratio Lower Upper

41 100

39 68.0 53.4 80.2

76 27.4 22.1 33.1





#15

Acrylonitrile

Concen: 106.066 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

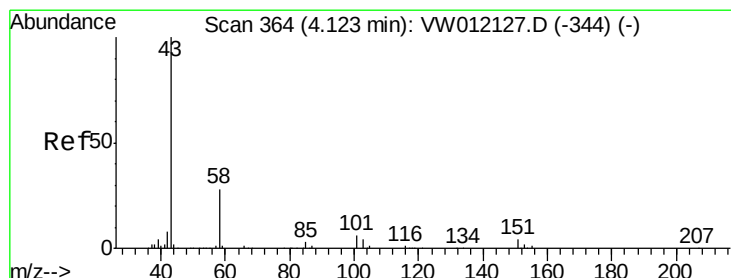
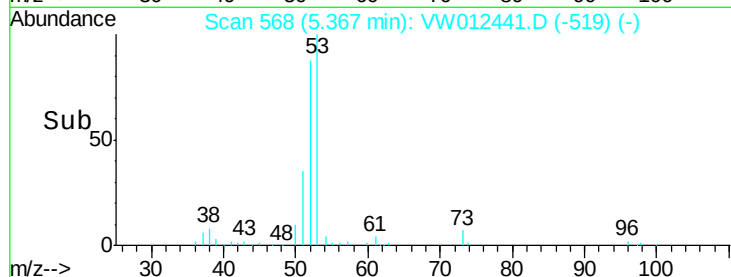
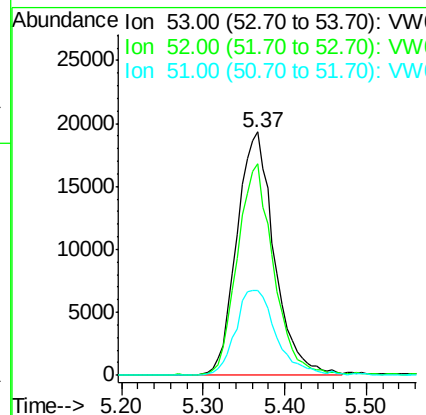
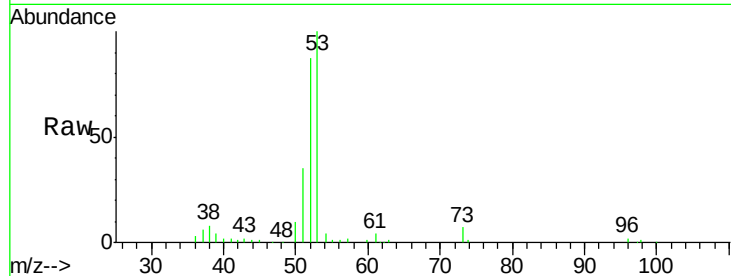
ClientSampleId :

VW0901SBSD01

Tot Ion:	53	Resp:	61582
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.7	100.1
51	37.5	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 109.120 ug/l

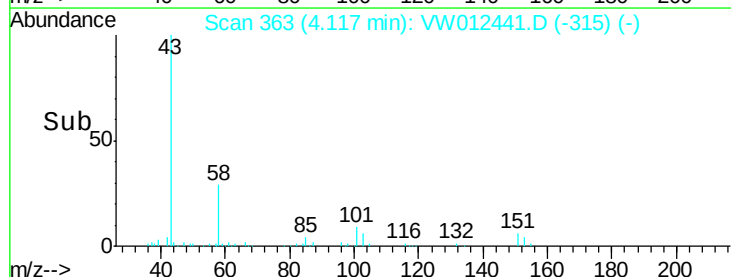
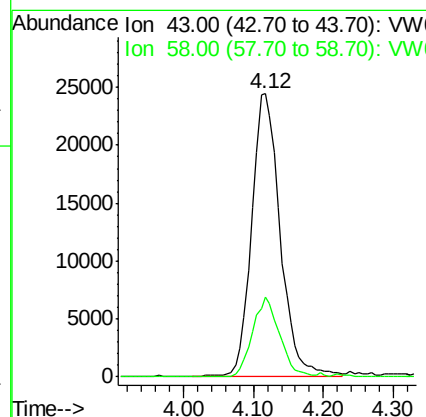
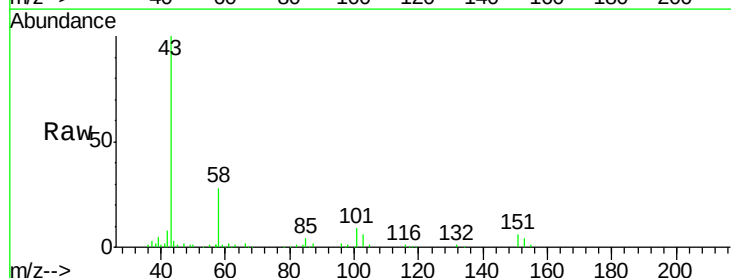
RT: 4.12 min Scan# 363

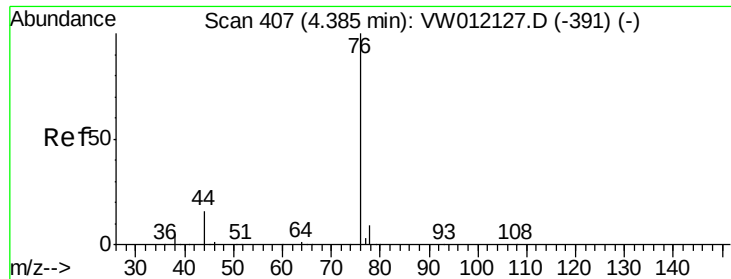
Delta R.T. -0.01 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Tgt Ion:	43	Resp:	69795
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.4	33.6





#17

Carbon Disulfide

Concen: 17.098 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

Tot Ion: 76 Resp: 109098

Ion Ratio Lower Upper

76 100

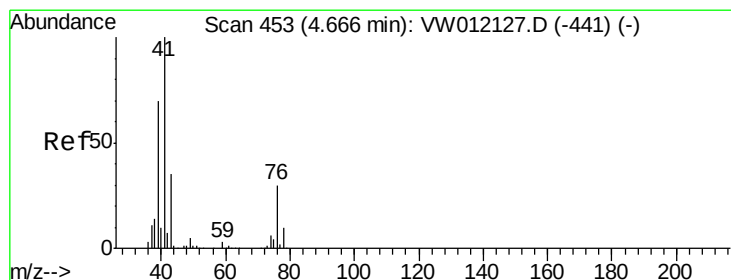
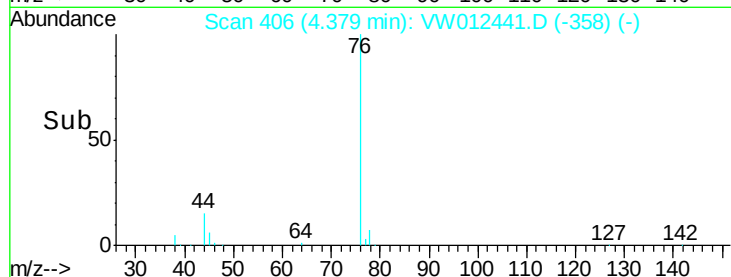
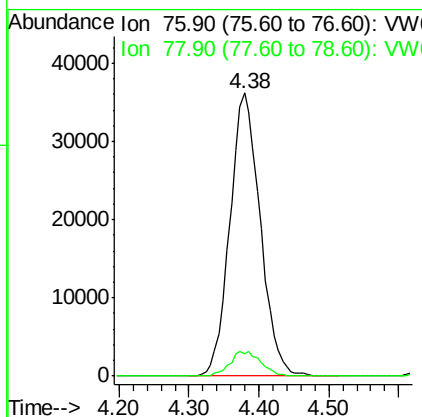
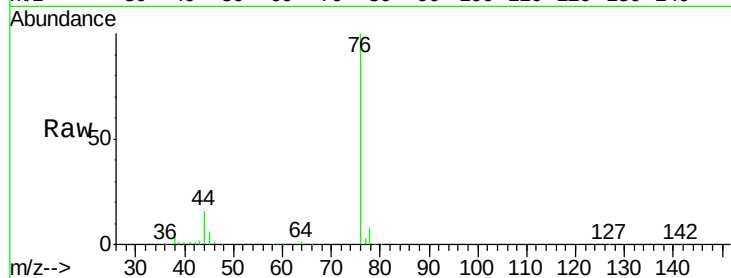
78 8.0 7.3 10.9

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#18

Methyl Acetate

Concen: 22.581 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012441.D

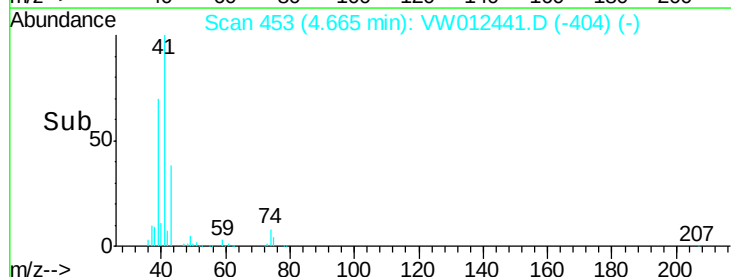
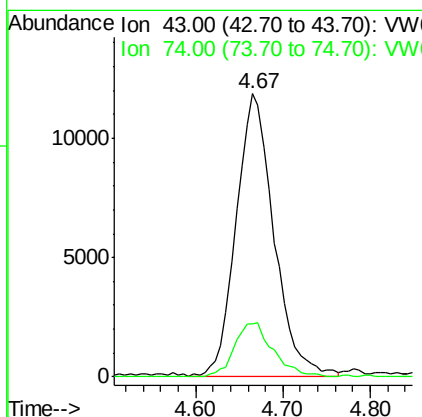
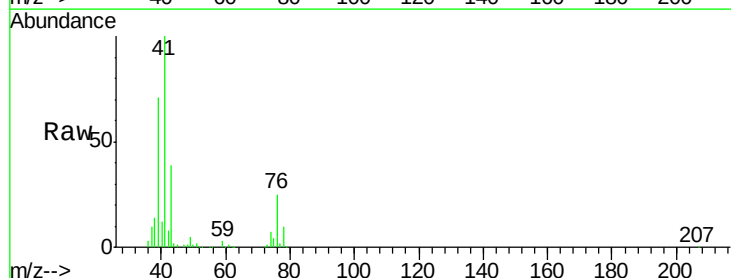
Acq: 01 Sep 2019 12:13

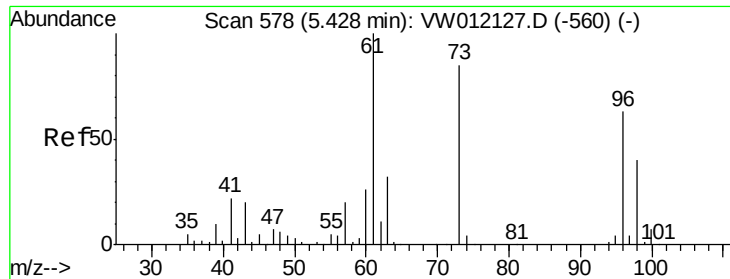
Tgt Ion: 43 Resp: 35773

Ion Ratio Lower Upper

43 100

74 19.5 15.7 23.5





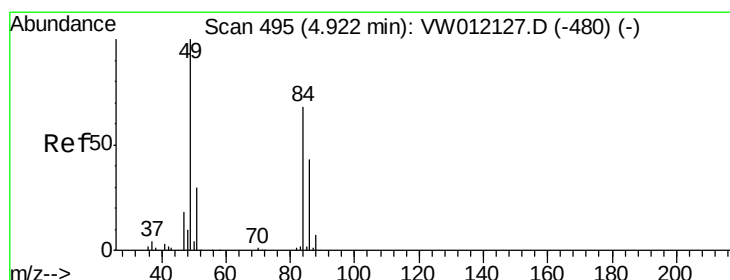
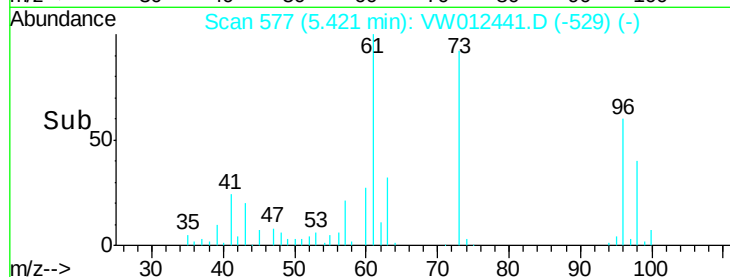
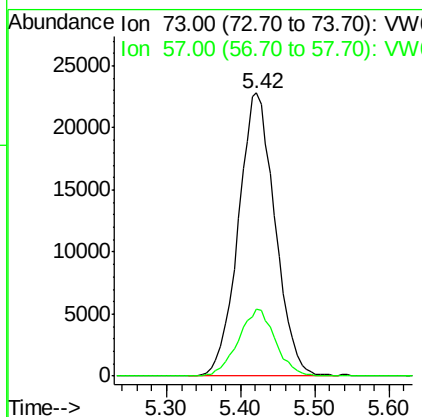
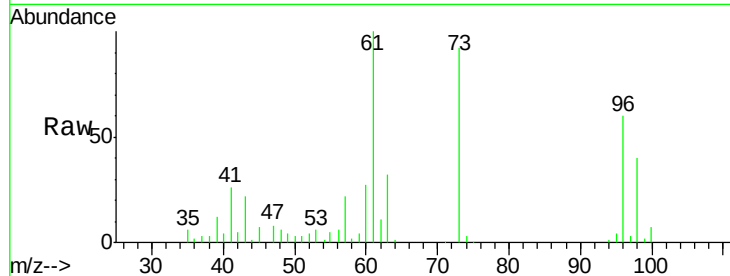
#19
Methyl tert-butyl Ether
Concen: 23.043 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion: 73 Resp: 78676
Ion Ratio Lower Upper
73 100
57 23.9 18.9 28.3

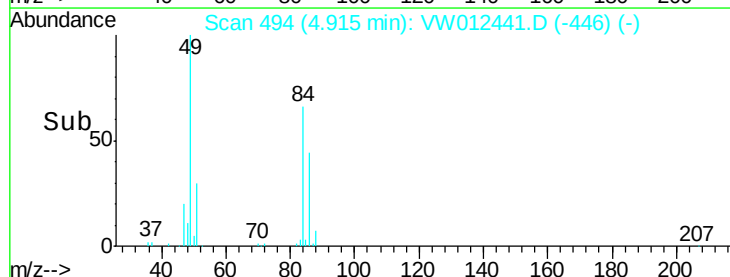
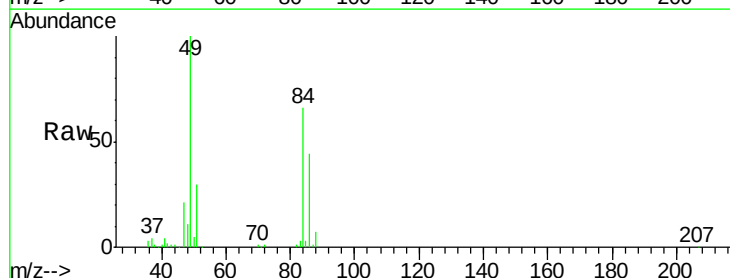
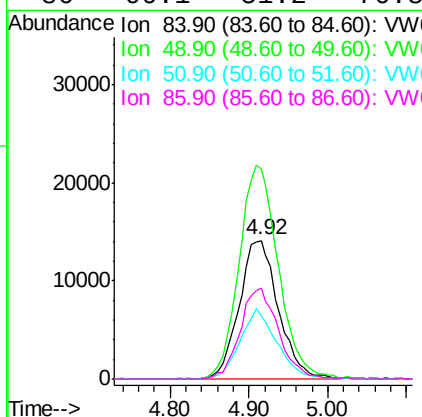
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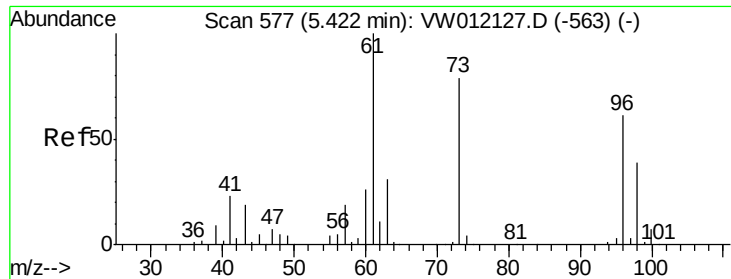
MMDadoda
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#20
Methylene Chloride
Concen: 20.102 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion: 84 Resp: 48606
Ion Ratio Lower Upper
84 100
49 151.0 117.8 176.8
51 45.2 35.6 53.4
86 66.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.784 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampled :

VW0901SBSD01

Tot Ion: 96 Resp: 44791

Ion Ratio Lower Upper

96 100

61 164.9 131.4 197.0

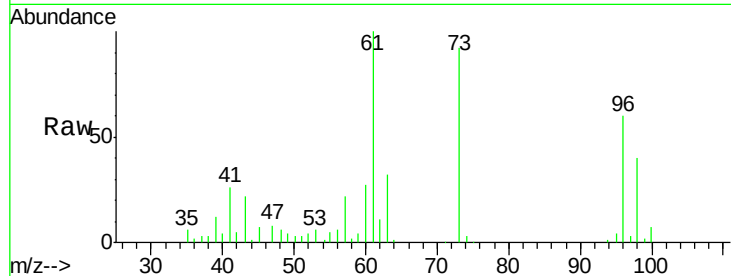
98 66.7 51.4 77.0

Manual Integrations

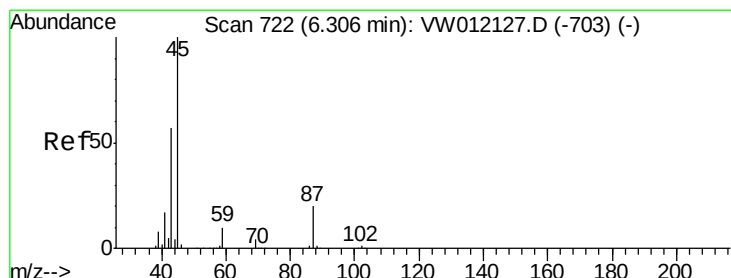
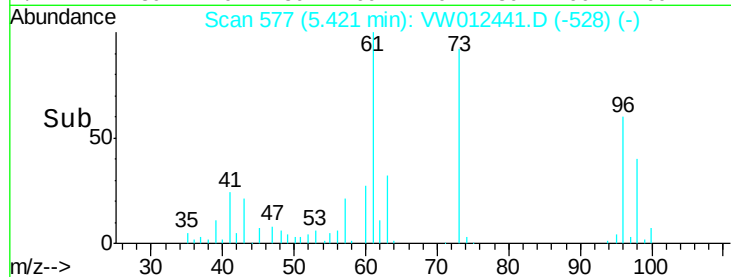
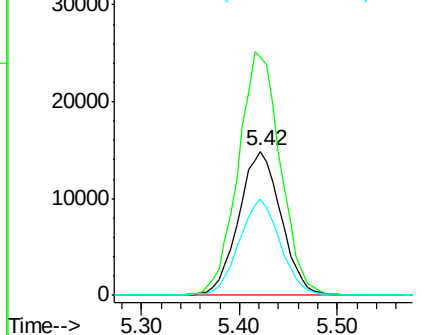
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.885 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Tgt Ion: 45 Resp: 183101

Ion Ratio Lower Upper

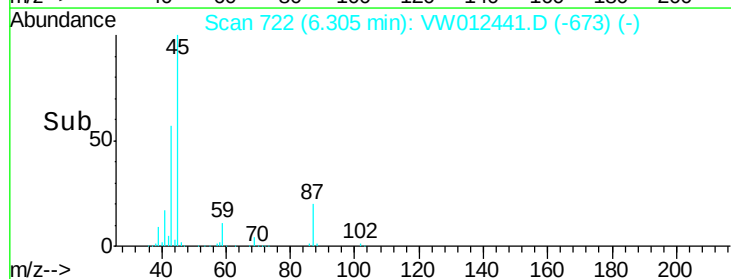
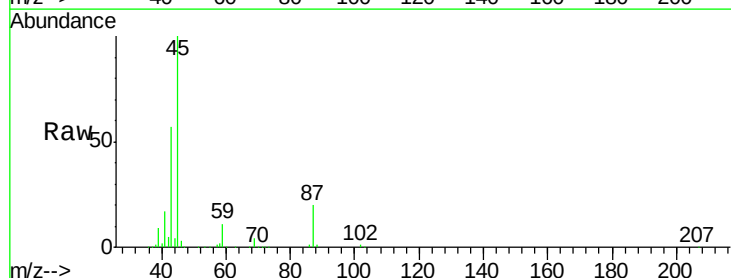
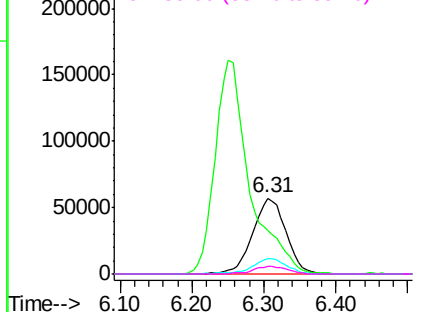
45 100

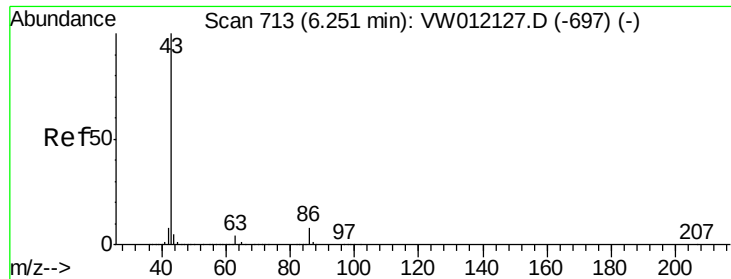
43 56.2 45.5 68.3

87 20.2 16.1 24.1

59 10.7 8.2 12.2

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 104.354 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

Tot Ion: 43 Resp: 537305

Ion Ratio Lower Upper

43 100

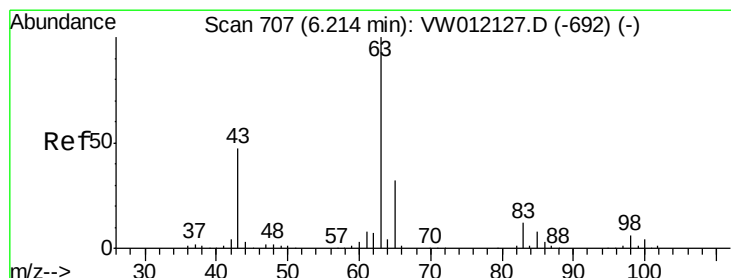
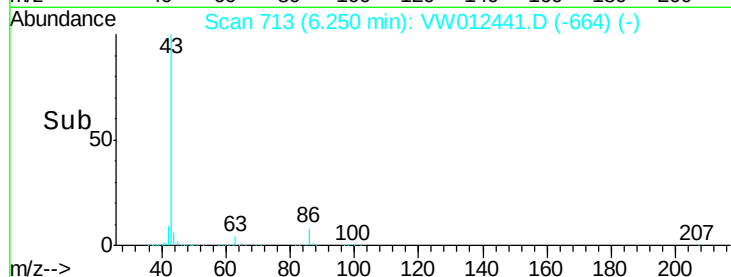
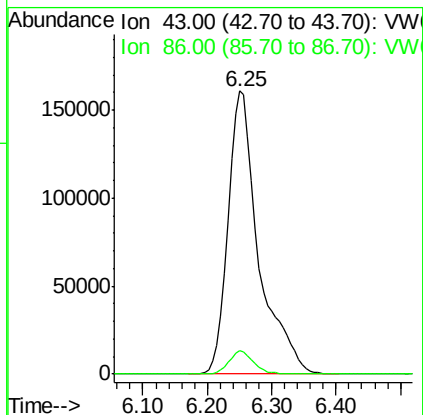
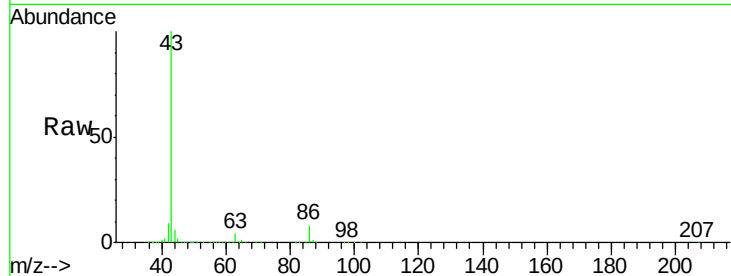
86 8.1 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 21.500 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

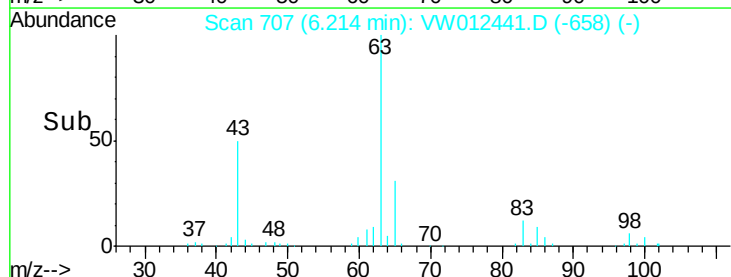
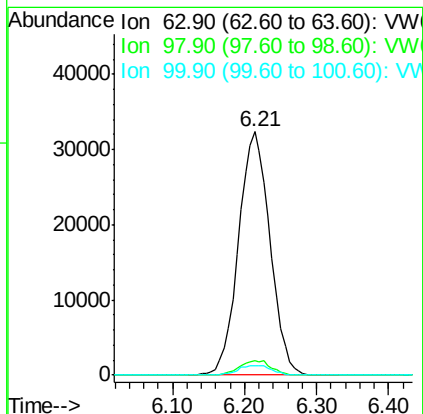
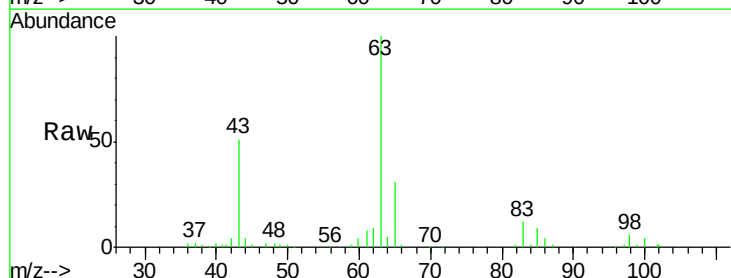
Tgt Ion: 63 Resp: 97943

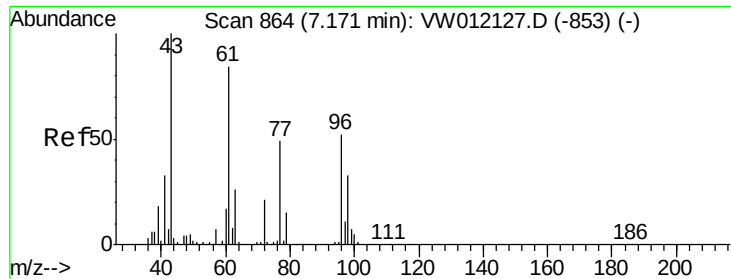
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 105.529 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion: 43 Resp: 91722

Ion Ratio Lower Upper

43 100

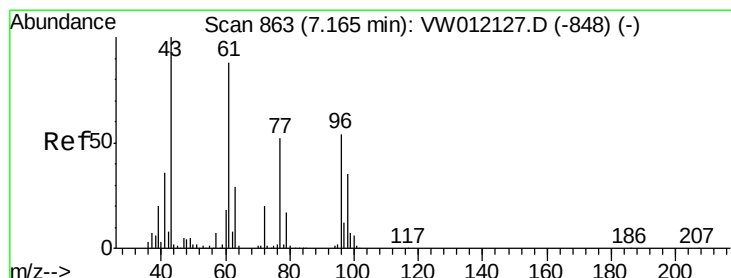
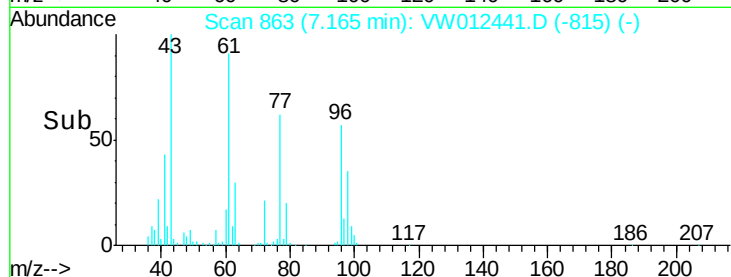
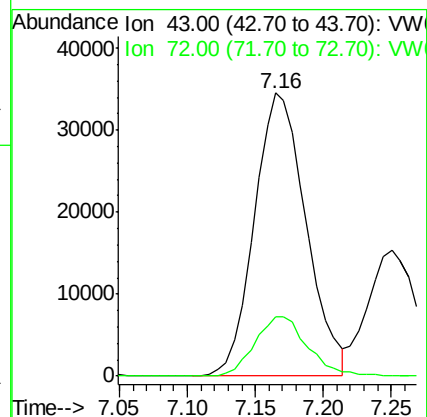
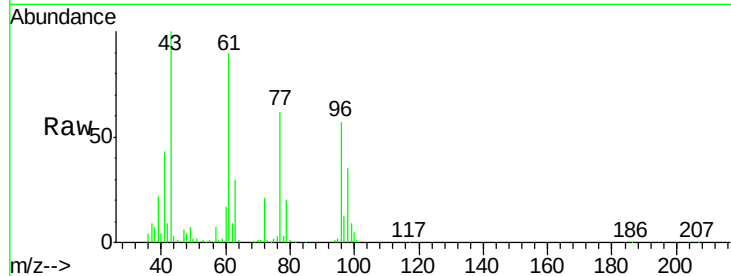
72 21.0 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.587 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012441.D

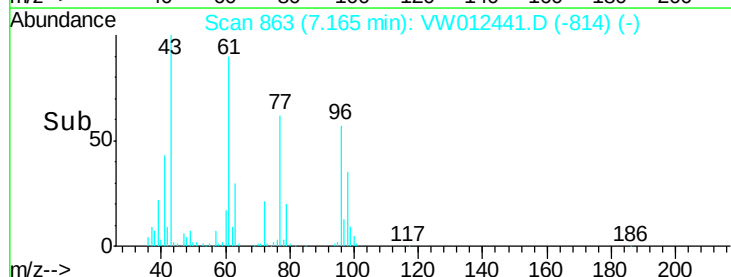
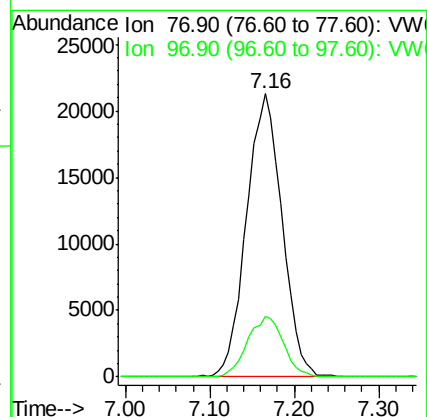
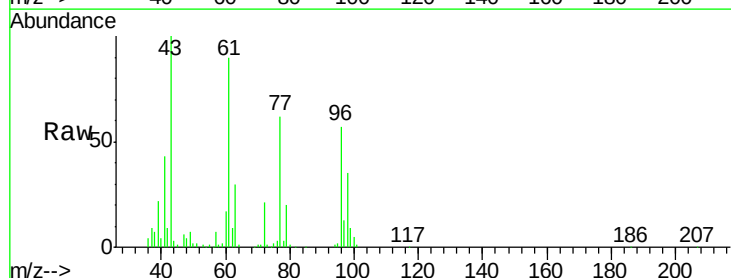
Acq: 01 Sep 2019 12:13

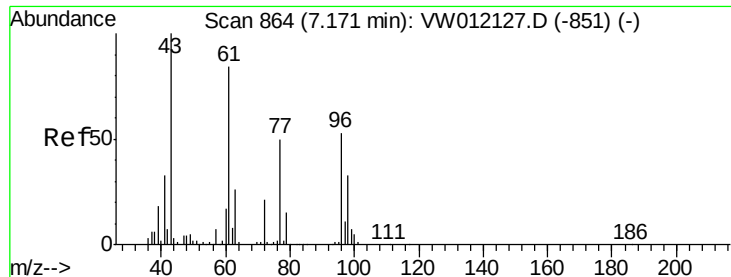
Tgt Ion: 77 Resp: 60817

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1





#27

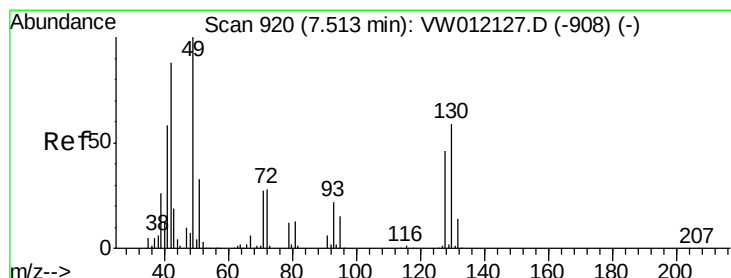
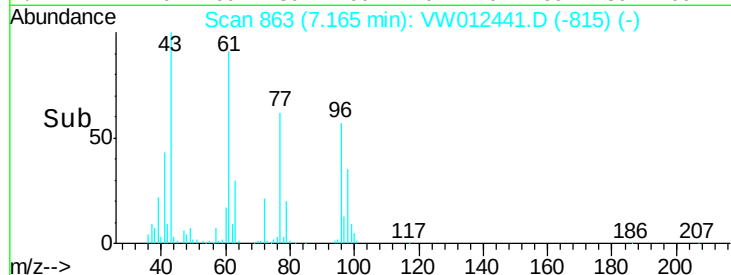
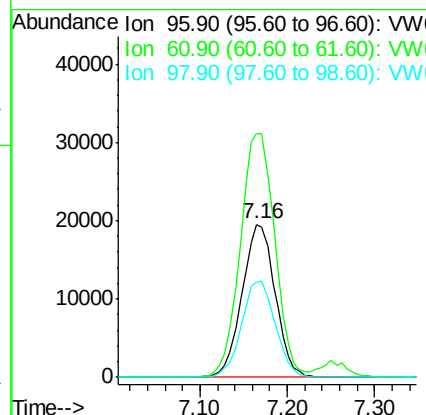
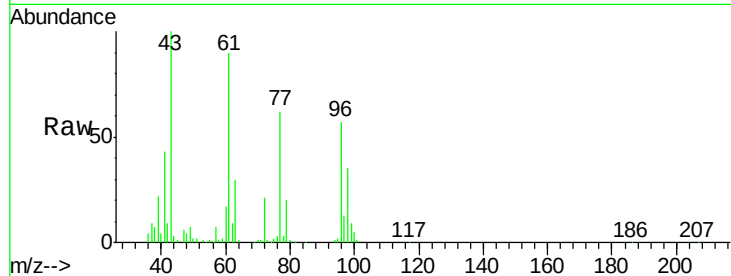
cis-1,2-Dichloroethene
Concen: 21.233 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.9	0.0	326.6
98	64.2	0.0	127.4

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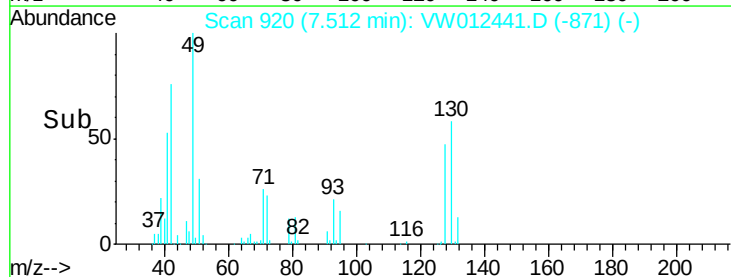
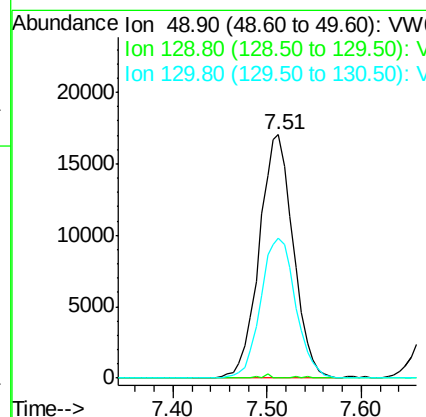
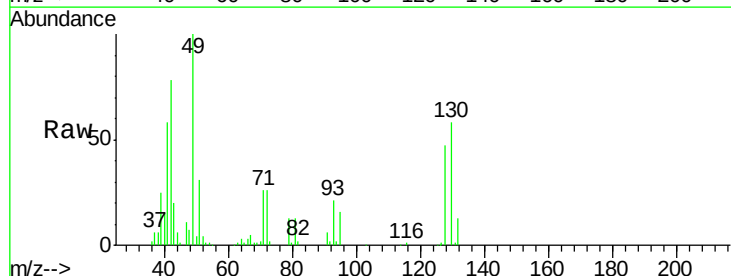
MMDadoda
9/3/2019 10:44:25 AM

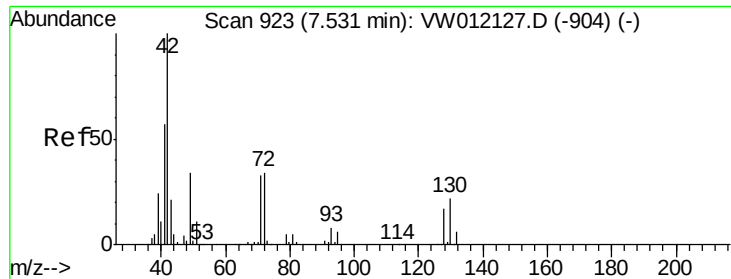


#28

Bromochloromethane
Concen: 21.692 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.4
130	59.1	45.5	68.3





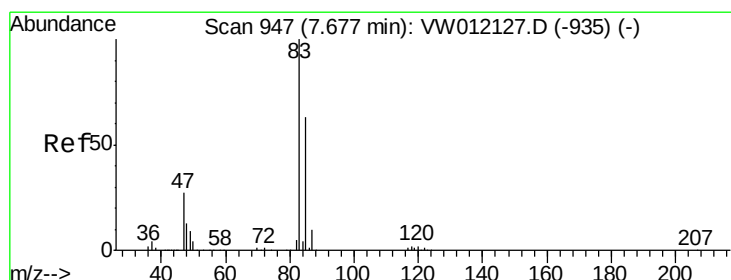
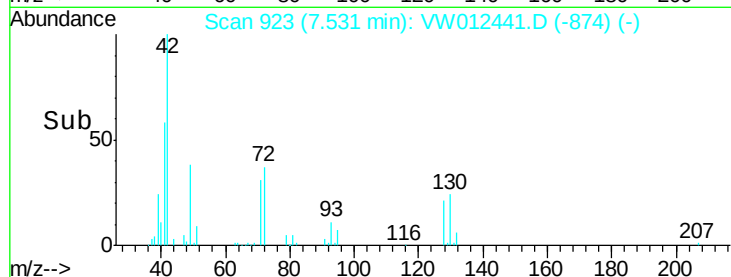
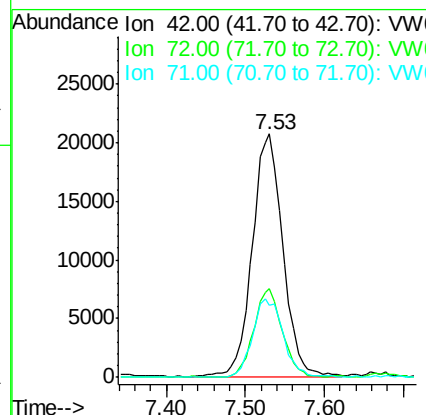
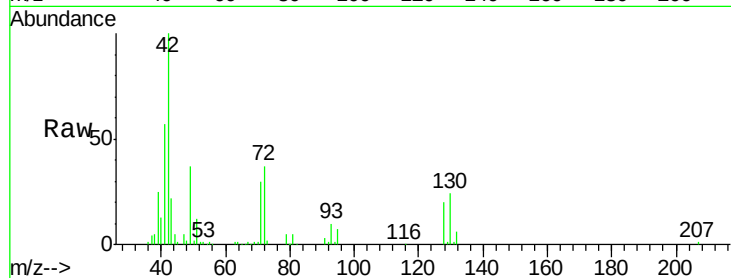
#29
Tetrahydrofuran
Concen: 106.225 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.3	40.9
71	32.5	25.5	38.3

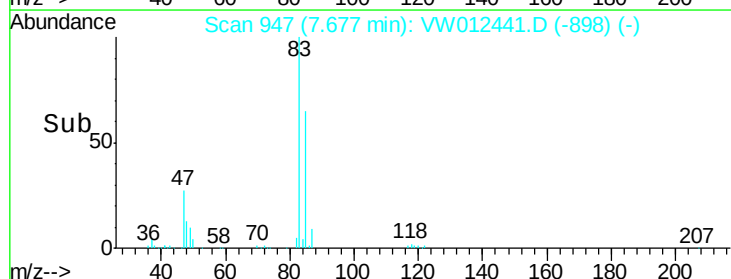
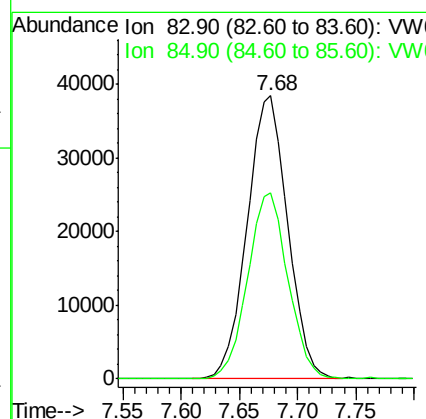
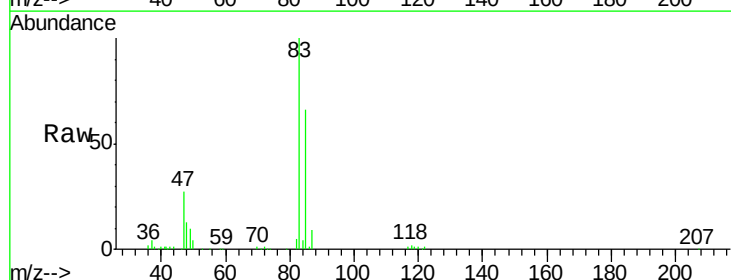
Manual Integrations
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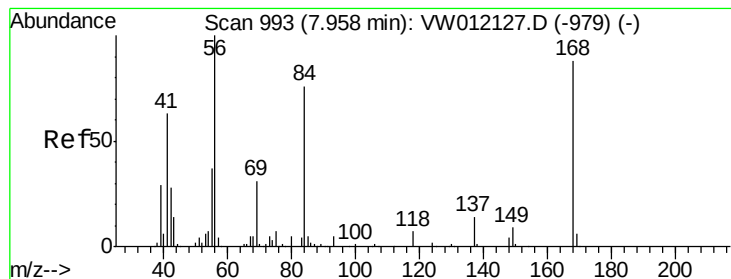
MMDadoda
9/3/2019 10:44:25 AM



#30
Chloroform
Concen: 22.324 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.6	76.0





#31

Cyclohexane

Concen: 19.144 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

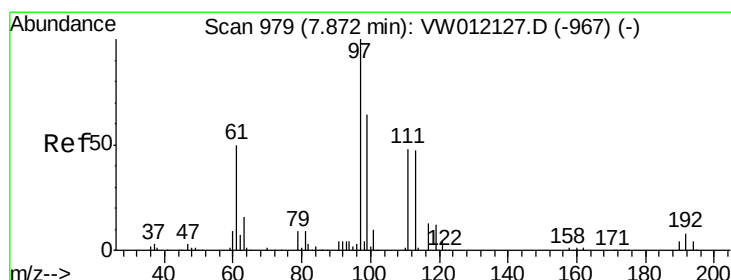
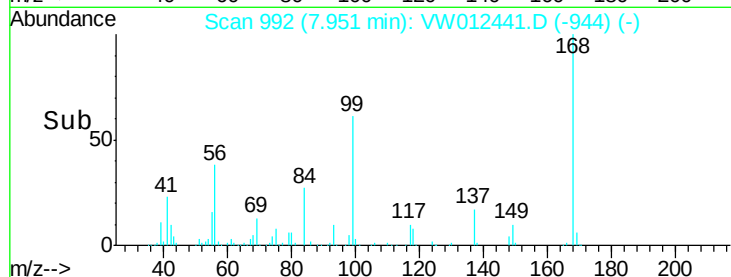
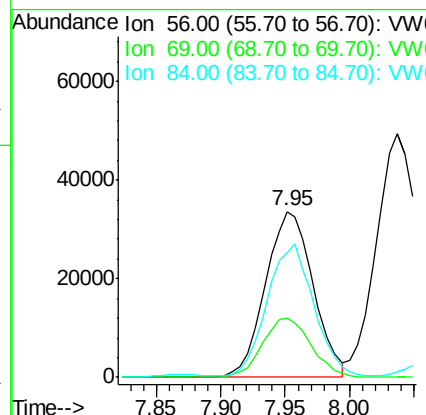
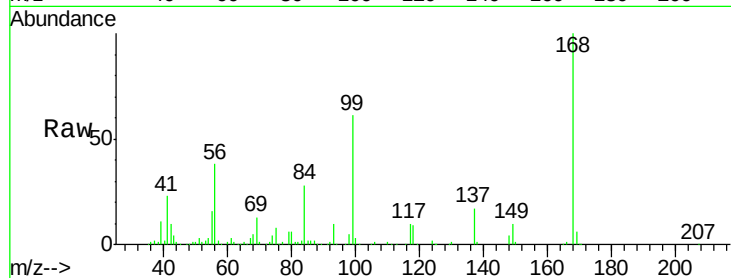
ClientSampleId :

VW0901SBS01

Tot Ion:	56	Resp:	86282
Ion Ratio	Lower	Upper	
56	100		
69	35.5	24.9	37.3
84	73.3	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 22.730 ug/l

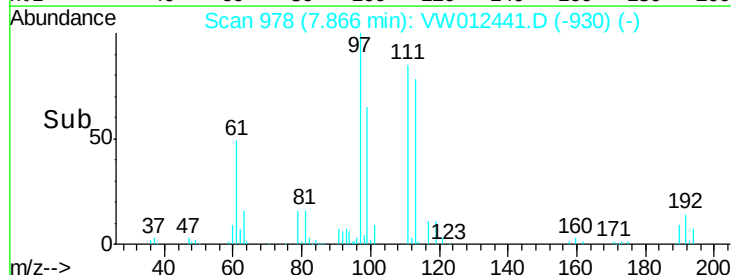
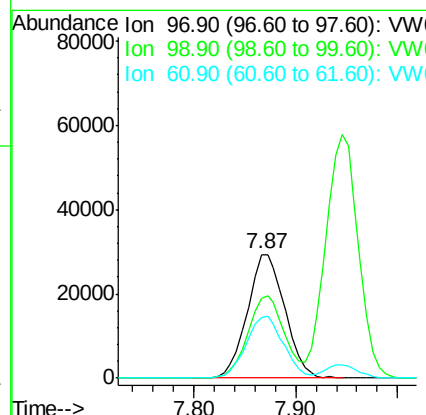
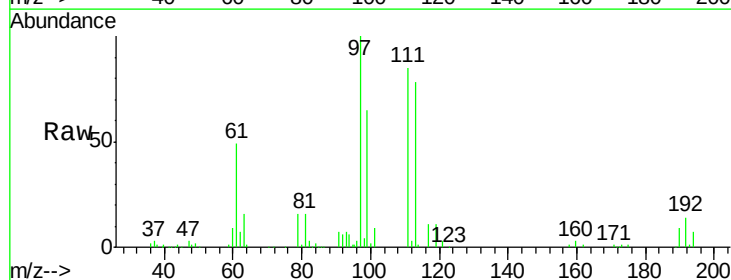
RT: 7.87 min Scan# 978

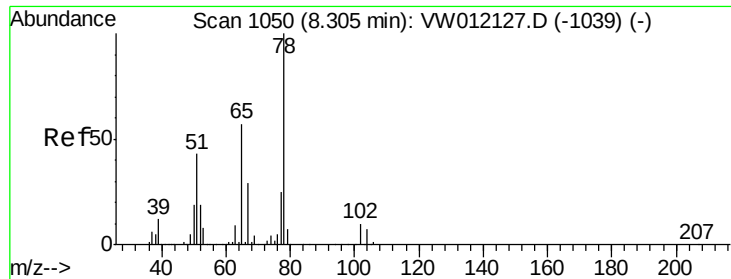
Delta R.T. -0.01 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Tgt Ion:	97	Resp:	74940
Ion Ratio	Lower	Upper	
97	100		
99	65.9	51.4	77.0
61	49.9	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 51.828 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampled :

VW0901SBSD01

Tot Ion: 65 Resp: 129685

Ion Ratio Lower Upper

65 100

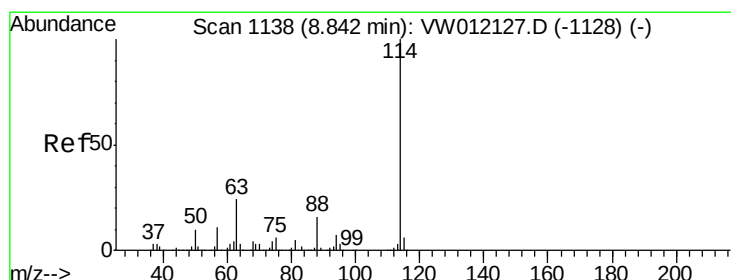
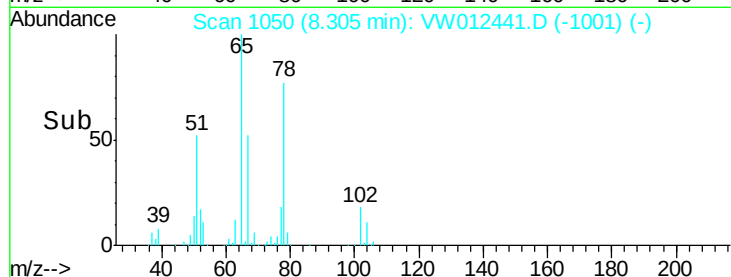
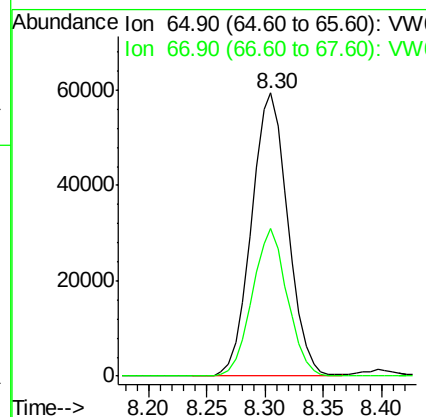
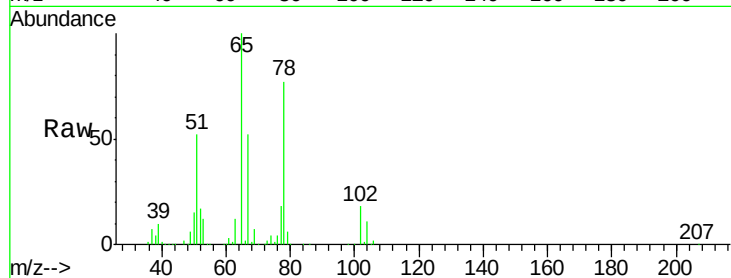
67 50.5 0.0 102.6

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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: VW012441.D

Acq: 01 Sep 2019 12:13

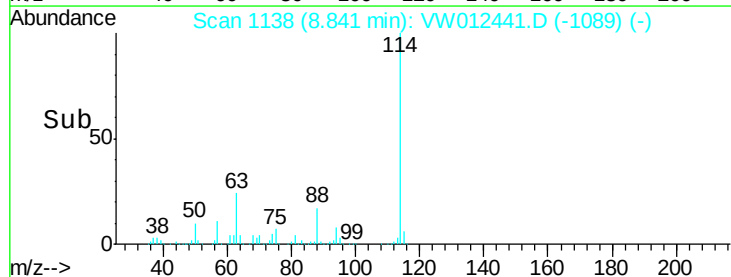
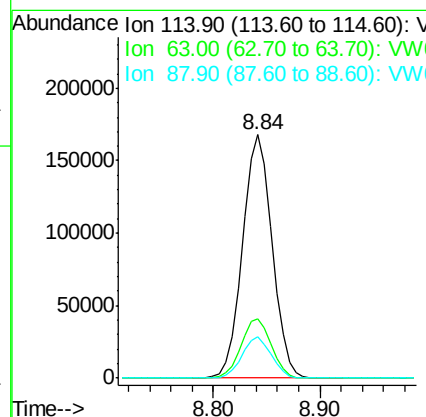
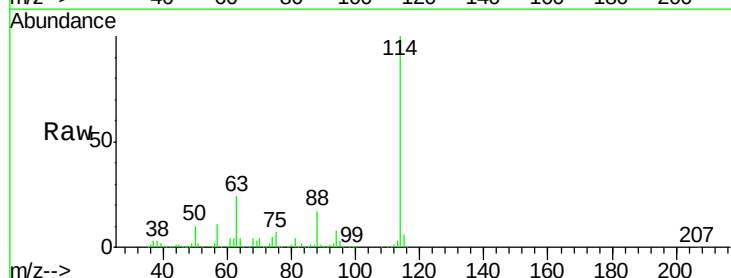
Tgt Ion: 114 Resp: 327163

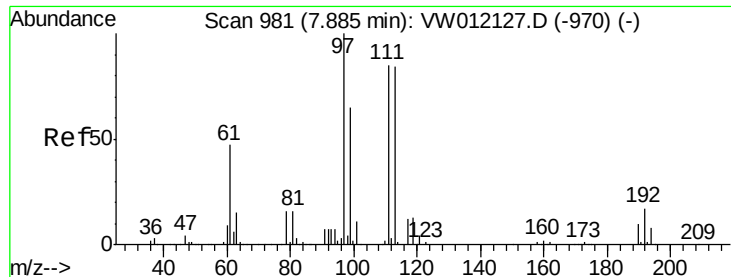
Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

88 17.0 0.0 32.2





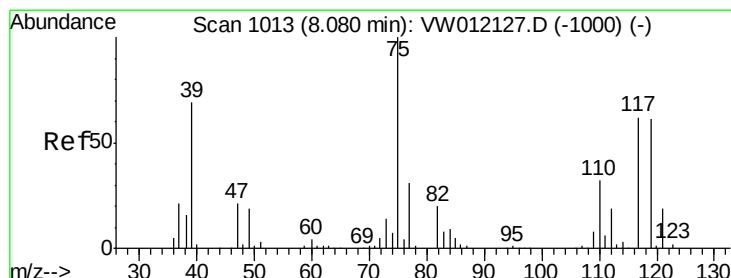
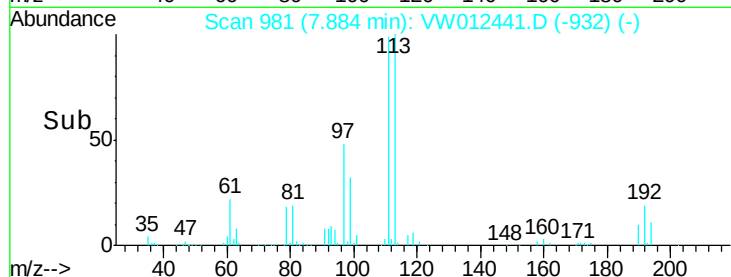
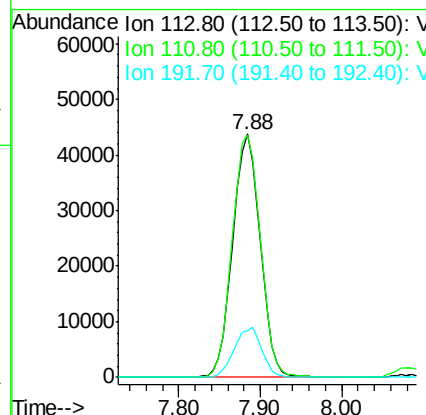
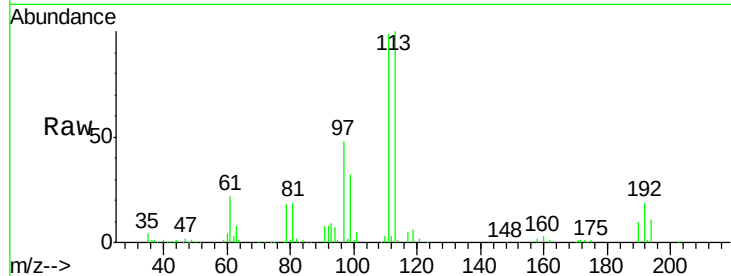
#35
 Dibromofluoromethane
 Concen: 52.209 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101957		
111	102.2	82.7	124.1	
192	20.5	16.2	24.2	

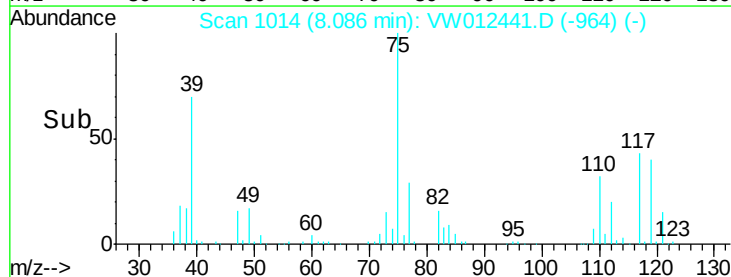
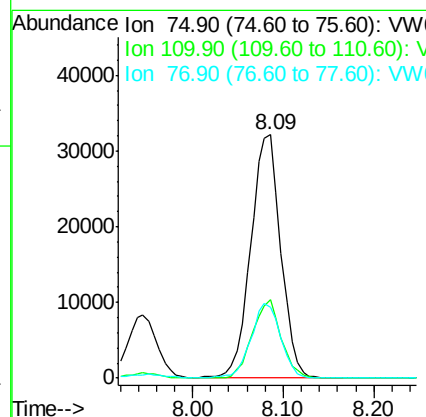
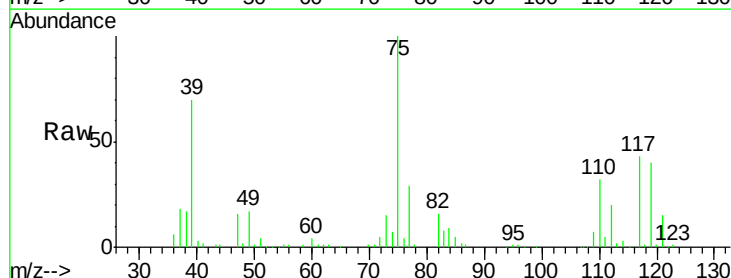
Manual Integrations
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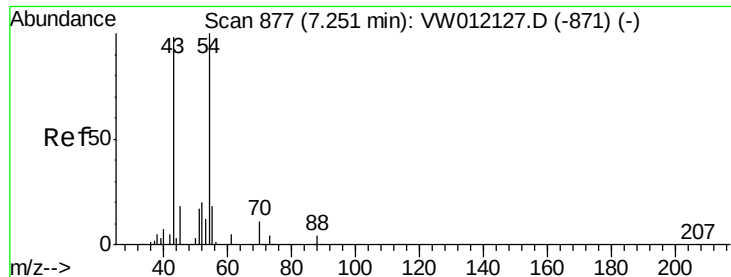
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 21.775 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73617		
110	30.7	15.6	46.8	
77	30.8	24.6	36.8	





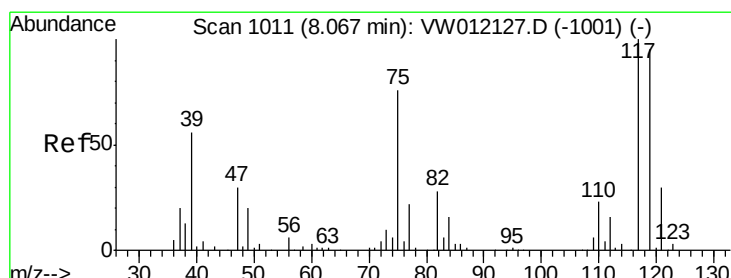
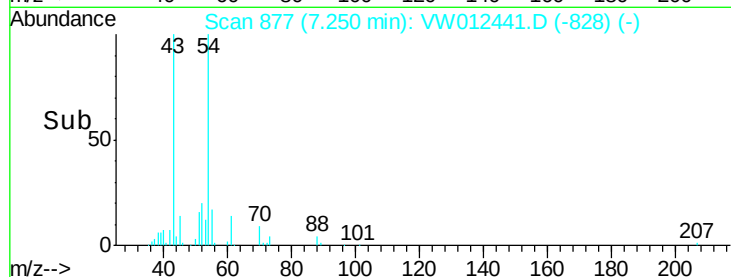
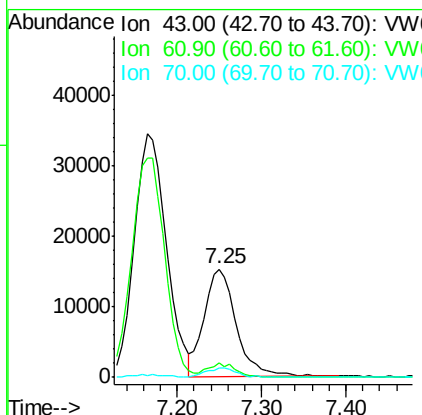
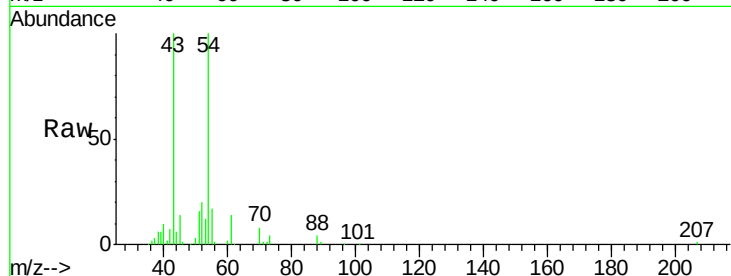
#37
Ethyl Acetate
Concen: 21.927 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.2	13.8
70	8.4	6.9	10.3

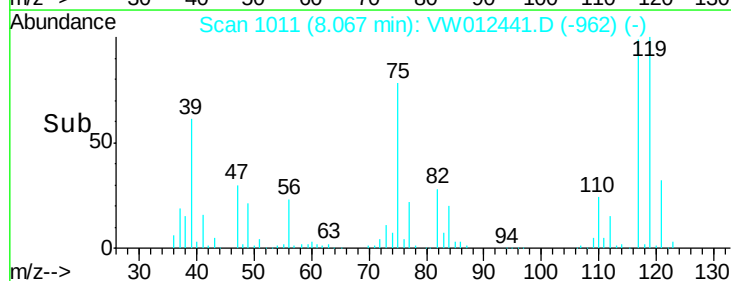
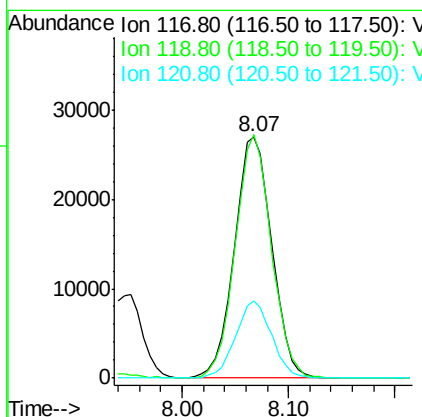
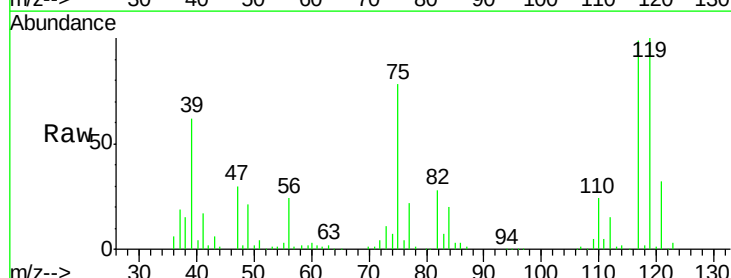
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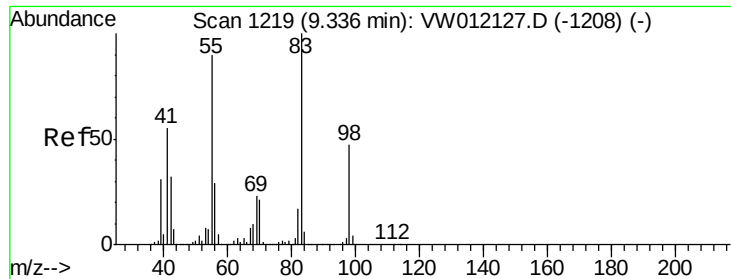
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.734 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	76.2	114.2
121	31.8	23.8	35.8





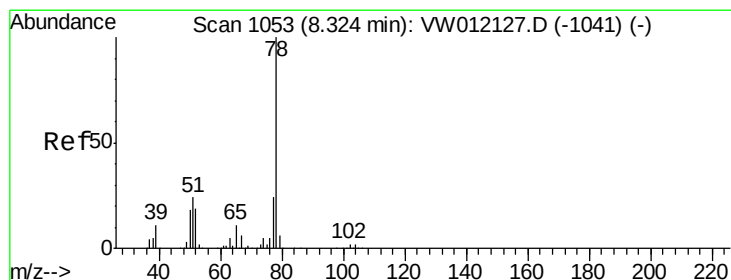
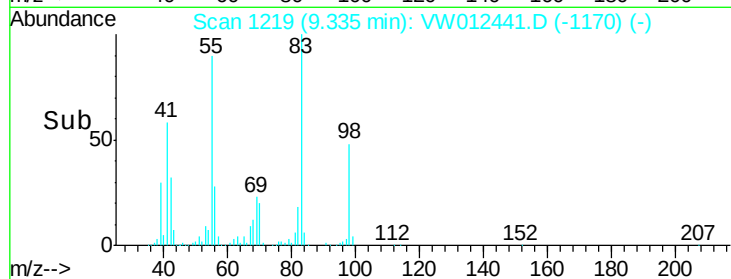
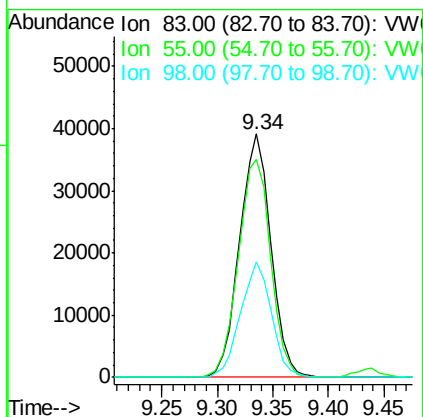
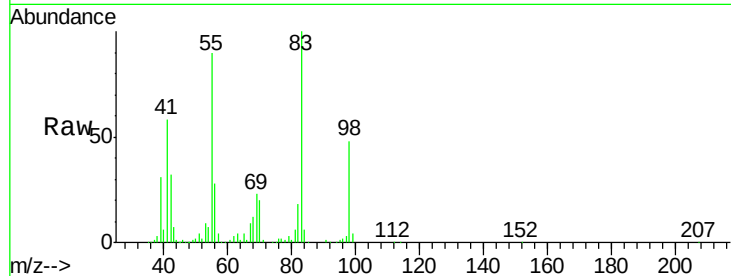
#39
Methylvlcyclohexane
Concen: 20.122 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.5	71.8	107.8
98	47.7	37.8	56.8

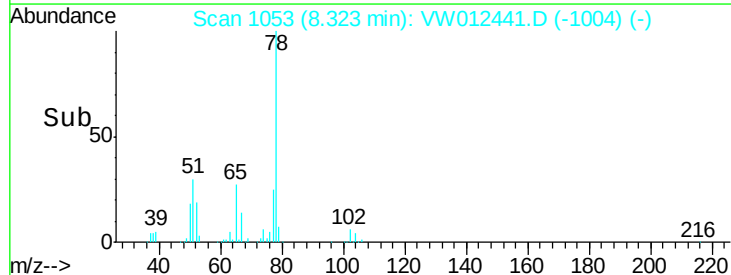
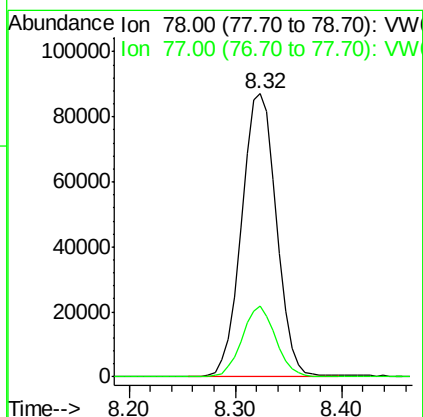
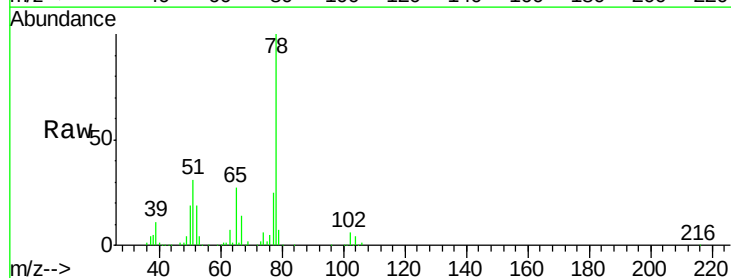
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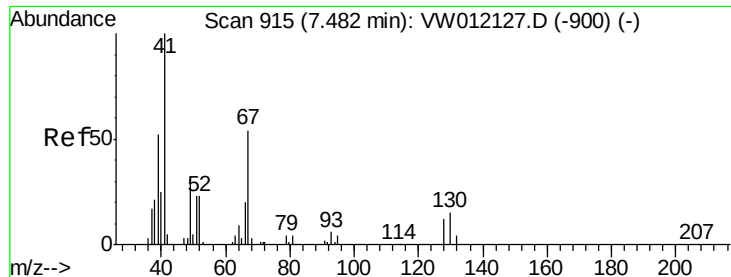
MMDadoda
9/3/2019 10:44:25 AM



#40
Benzene
Concen: 21.698 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.5	29.3





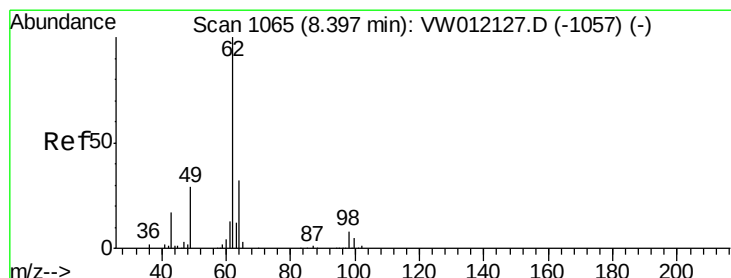
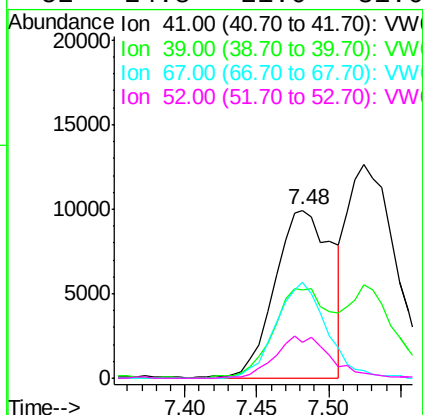
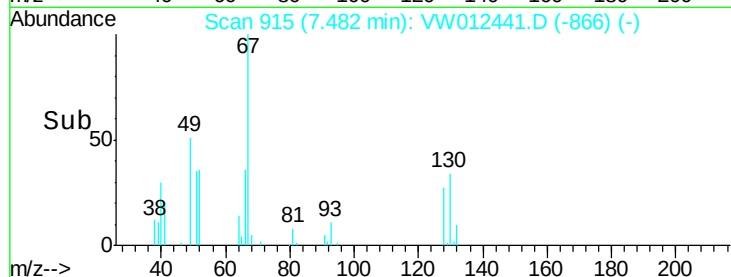
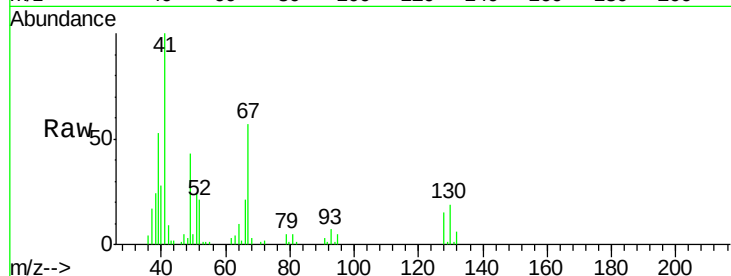
#41
Methacrylonitrile
Concen: 25.425 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampled :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	45.8	68.8
67	50.8	46.2	69.4
52	24.8	21.0	31.6

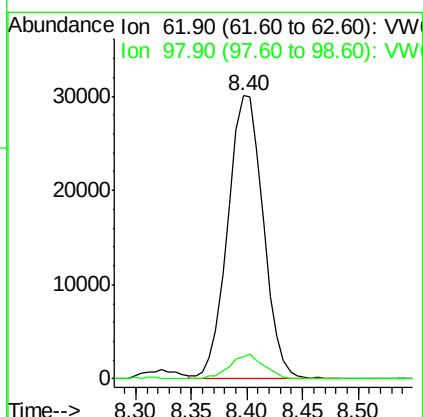
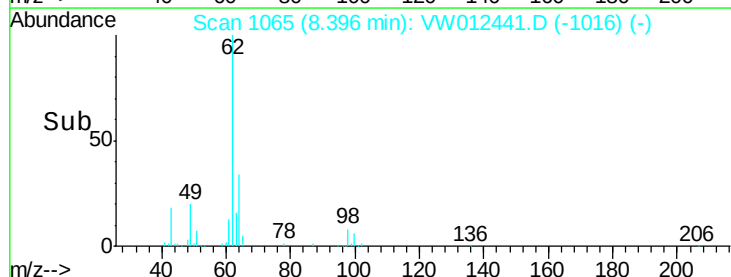
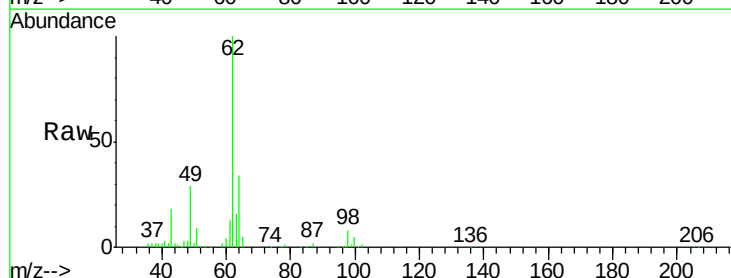
Manual Integrations
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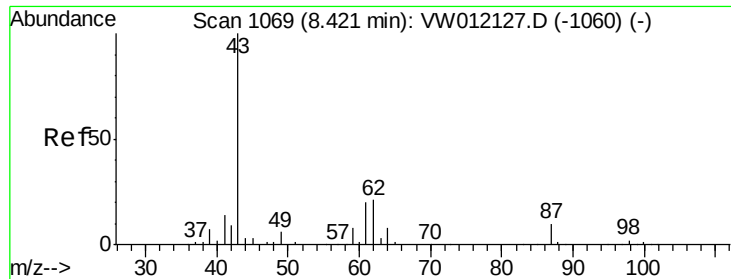
MMDadoda
9/3/2019 10:44:25 AM



#42
1,2-Dichloroethane
Concen: 22.920 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.843 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

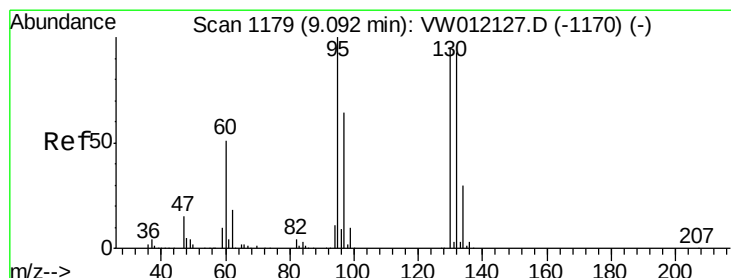
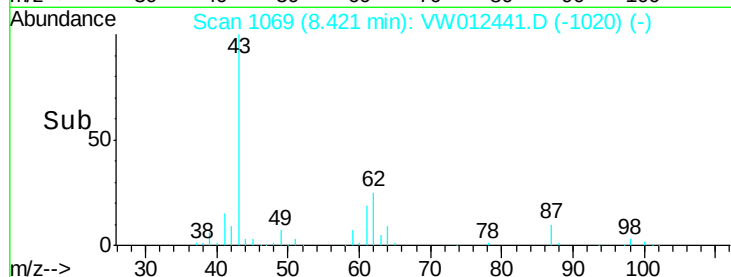
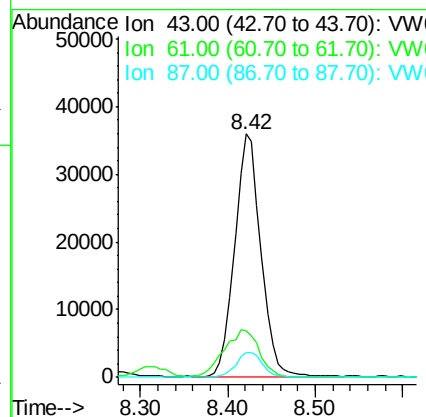
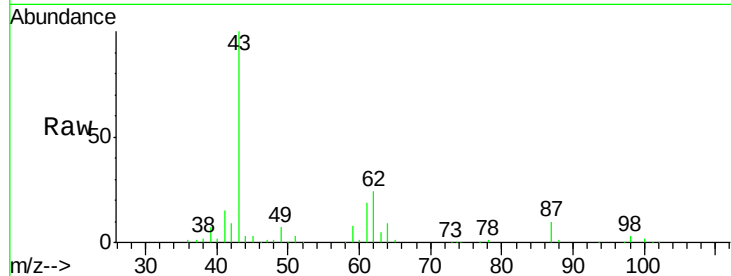
ClientSampleId :

VW0901SBSD01

Tot Ion:	43	Resp:	74959
Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.1	31.7
87	10.6	8.2	12.2

Manual Integrations
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9/3/2019 10:44:25 AM



#44

Trichloroethene

Concen: 22.057 ug/l

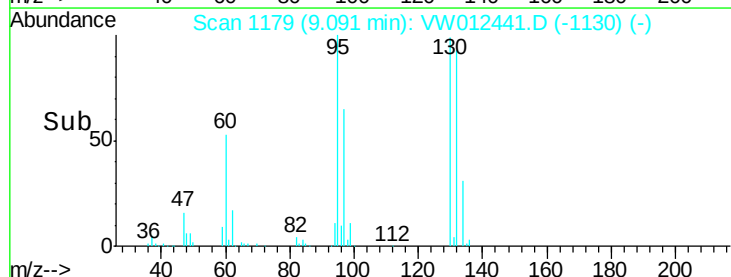
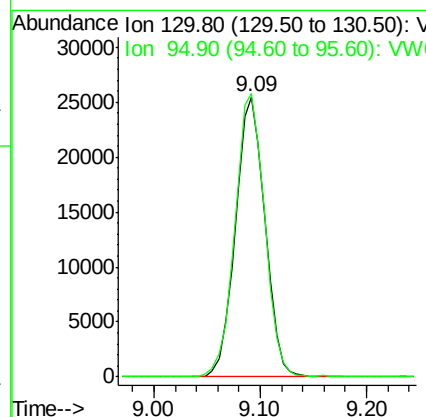
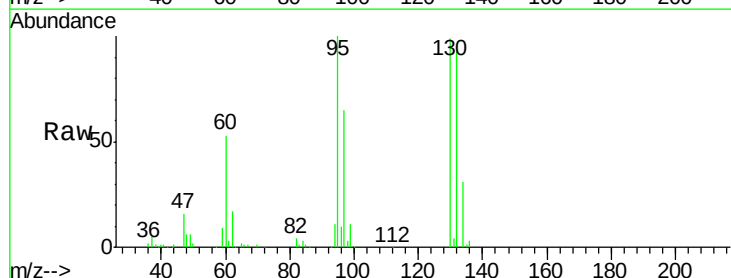
RT: 9.09 min Scan# 1179

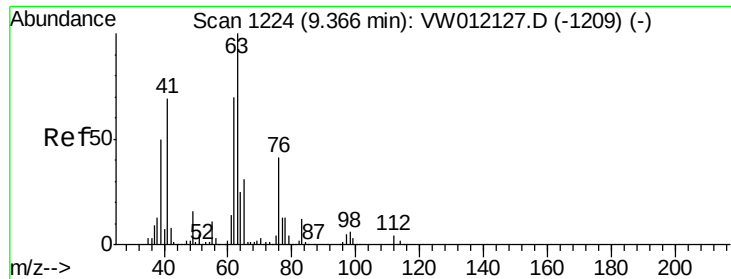
Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Tgt Ion:	130	Resp:	49499
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.6





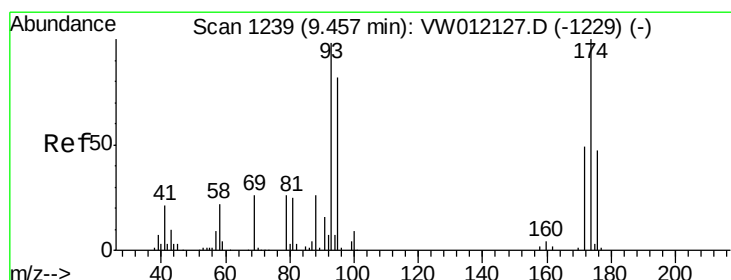
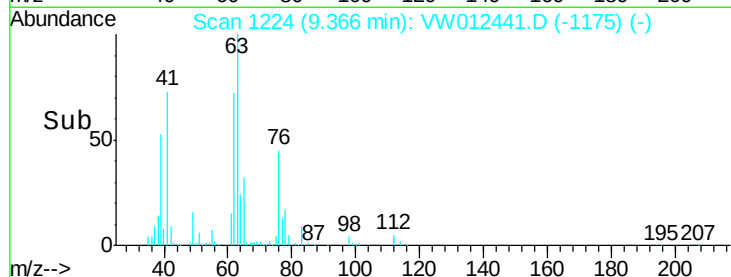
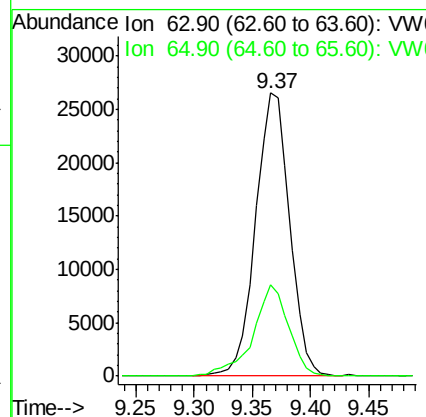
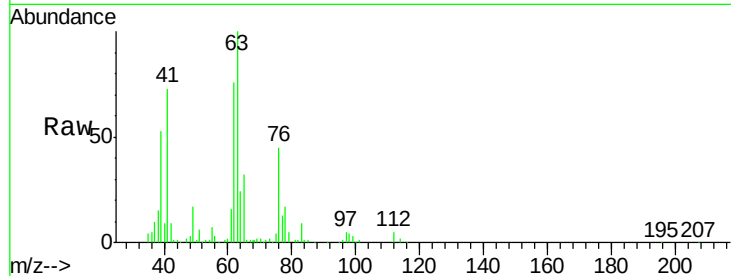
#45
 1,2-Dichloropropane
 Concen: 21.659 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Instrument :
 MSVOA_W
 ClientSampled :
 VW0901SBSD01

Tot Ion: 63 Resp: 53813
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.4

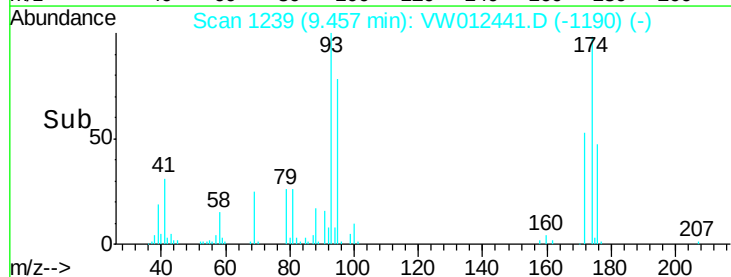
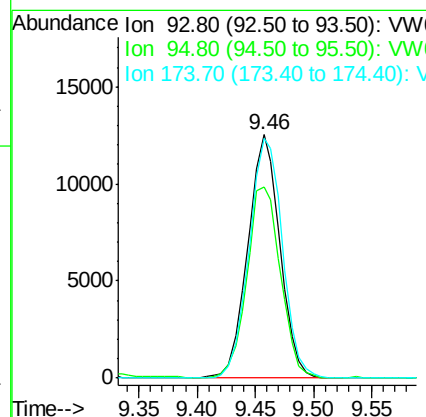
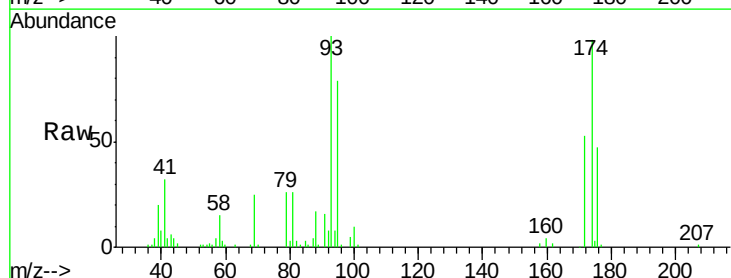
Manual Integrations
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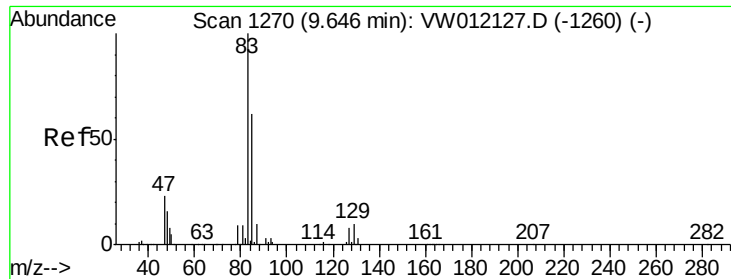
MMDadoda
 9/3/2019 10:44:25 AM



#46
 Dibromomethane
 Concen: 21.789 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Tgt Ion: 93 Resp: 24086
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.2 100.8
 174 102.3 79.0 118.6





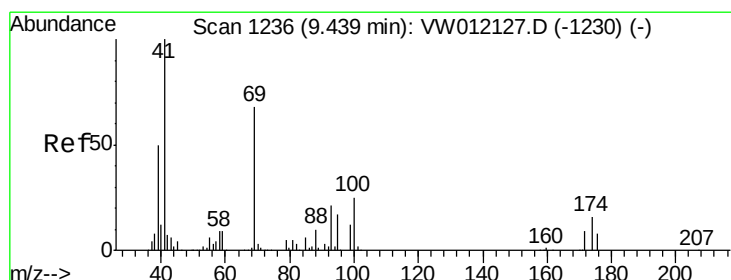
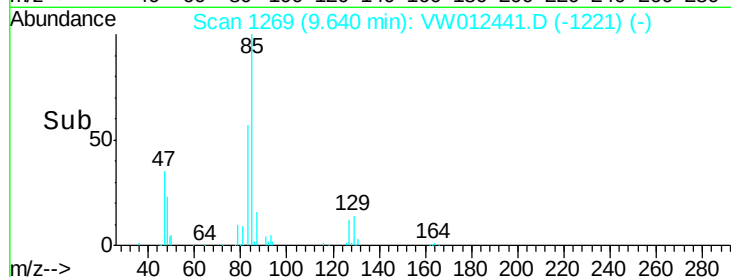
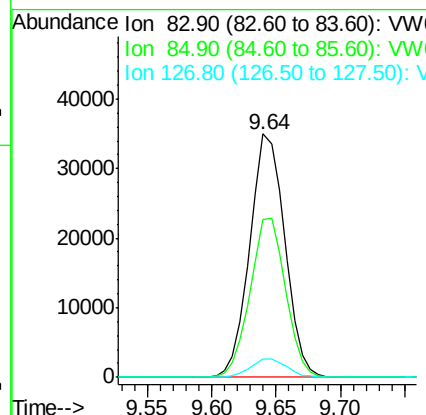
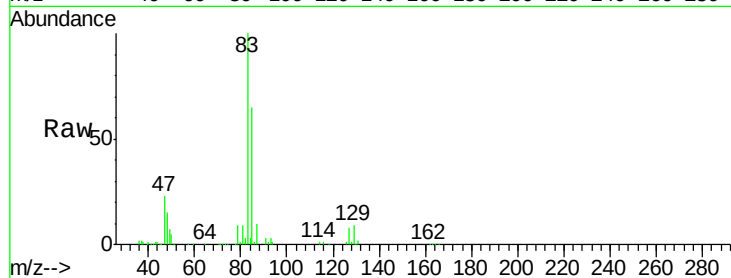
#47
Bromodichloromethane
Concen: 22.350 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	83	Resp	65755
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.2
127	7.6	6.1	9.1

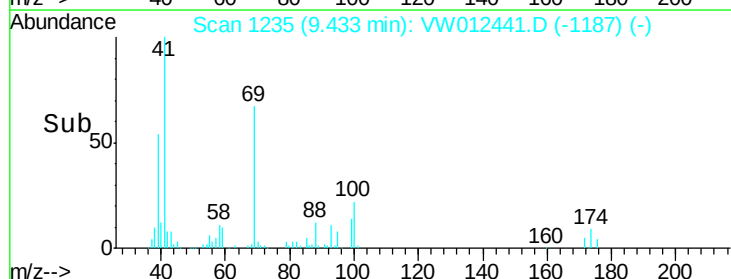
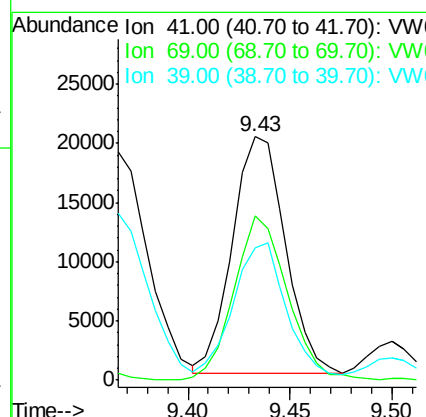
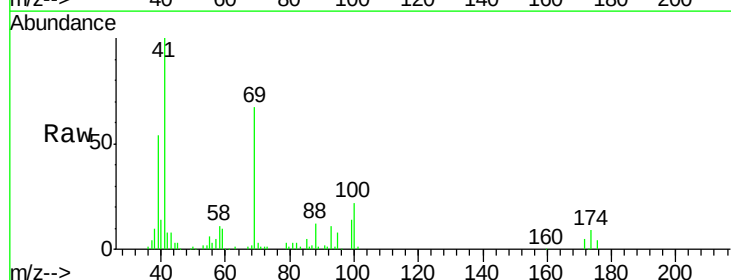
Manual Integrations
APPROVED

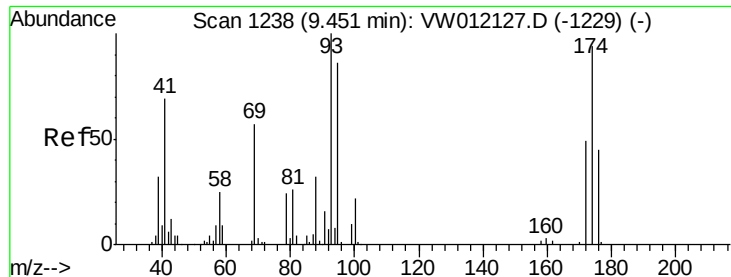
MMDadoda
9/3/2019 10:44:25 AM



#48
Methyl methacrylate
Concen: 21.917 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	41	Resp	35797
Ion	Ratio	Lower	Upper
41	100		
69	70.5	56.7	85.1
39	54.3	42.0	63.0





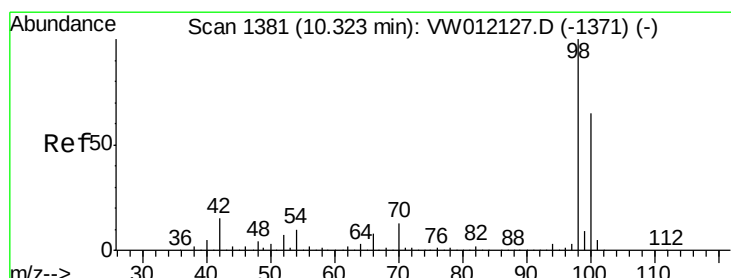
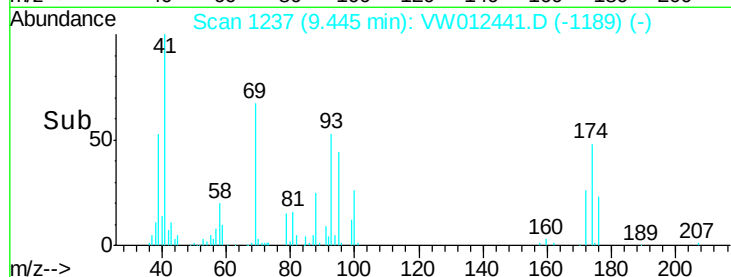
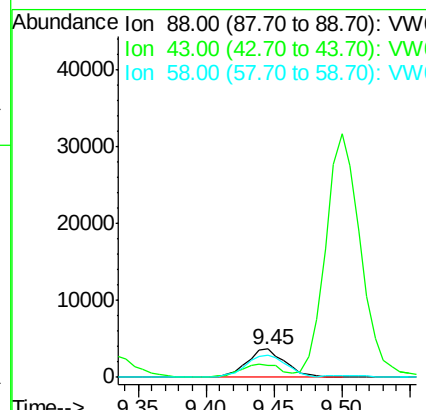
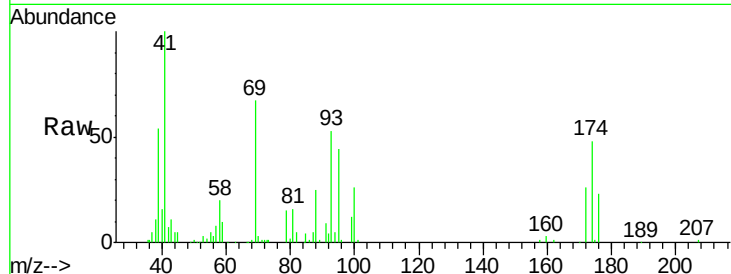
#49
1,4-Dioxane
Concen: 429.417 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	88	Resp	7267
Ion	Ratio	Lower	Upper
88	100		
43	47.3	32.9	49.3
58	83.2	71.0	106.4

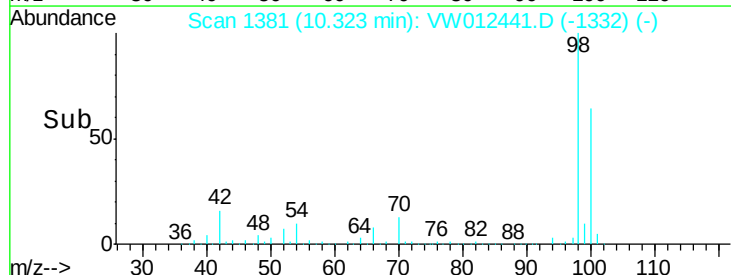
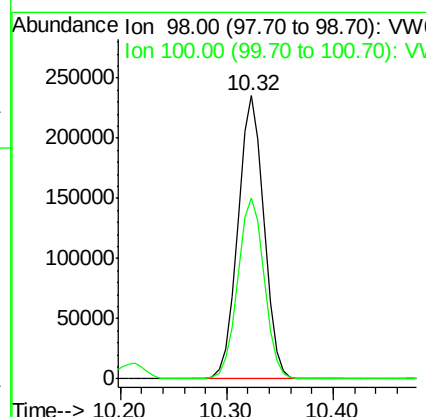
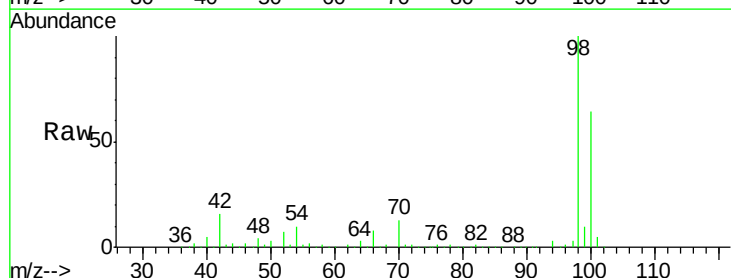
Manual Integrations
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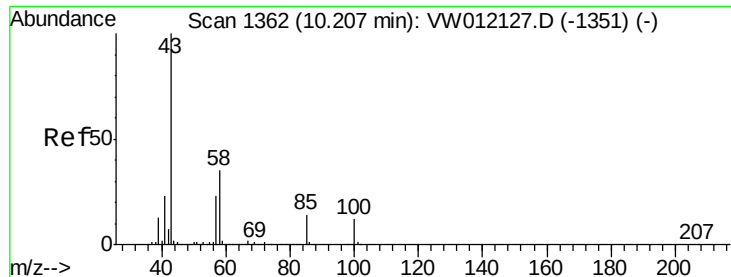
MMDadoda
9/3/2019 10:44:25 AM



#50
Toluene-d8
Concen: 50.996 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	98	Resp	403794
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 111.655 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

Tot Ion: 43 Resp: 194890

Ion Ratio Lower Upper

43 100

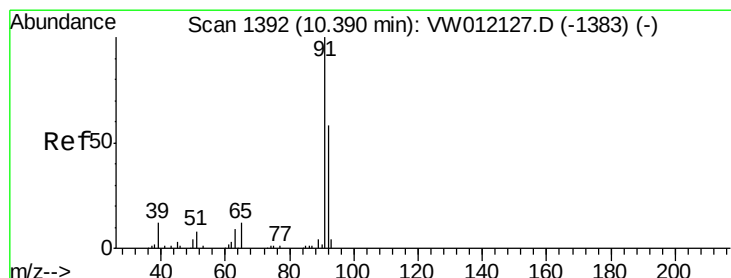
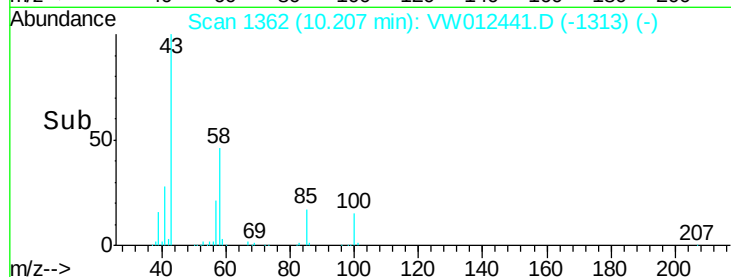
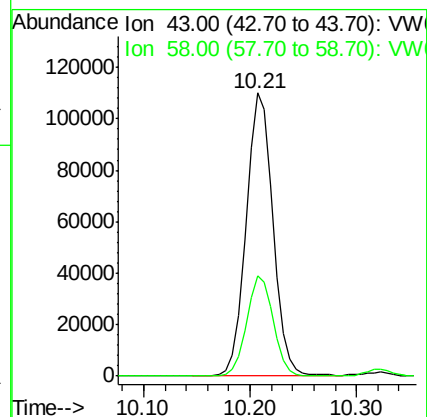
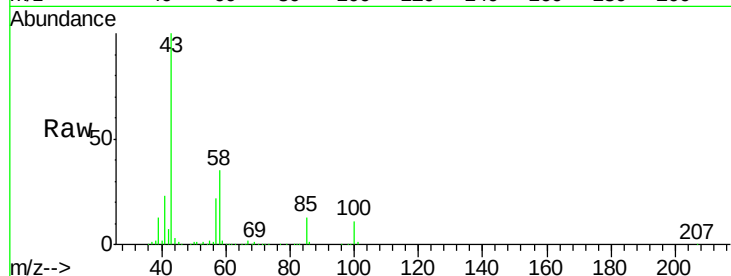
58 35.0 28.2 42.2

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:25 AM



#52

Toluene

Concen: 22.006 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012441.D

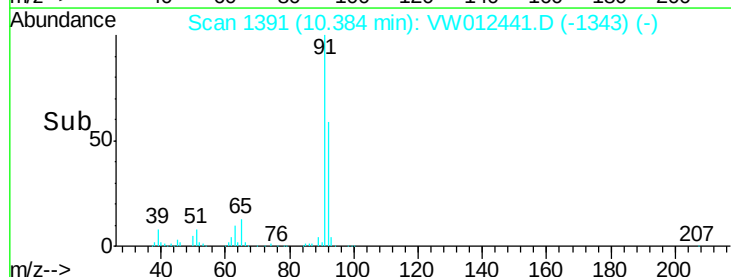
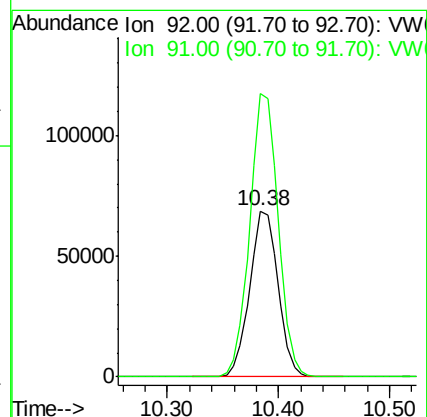
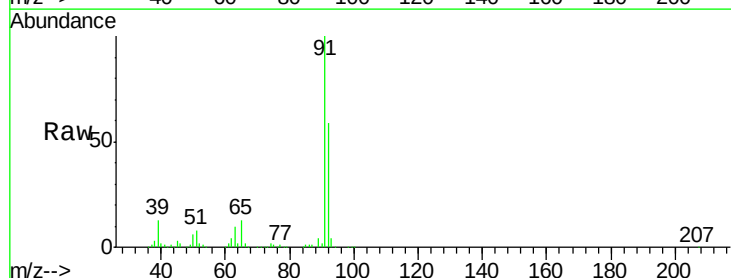
Acq: 01 Sep 2019 12:13

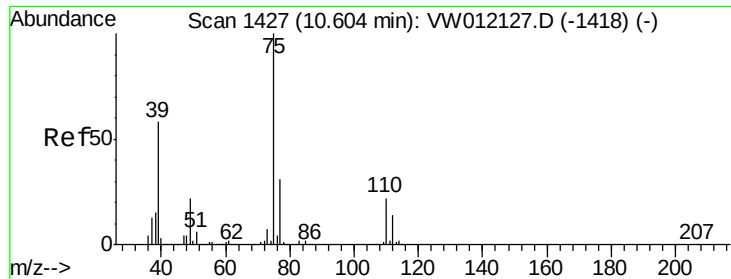
Tgt Ion: 92 Resp: 122042

Ion Ratio Lower Upper

92 100

91 171.1 136.6 204.8





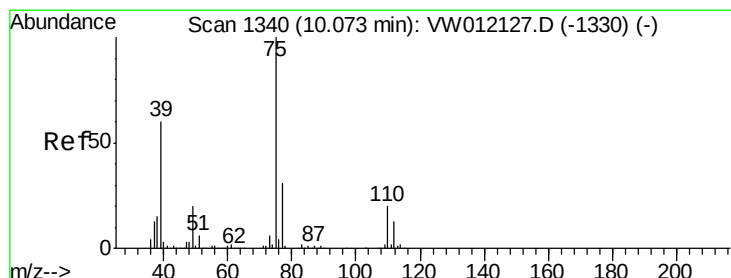
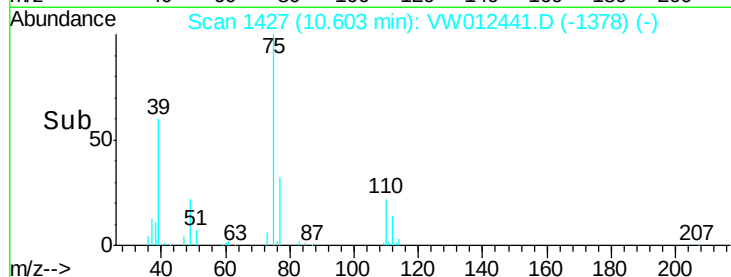
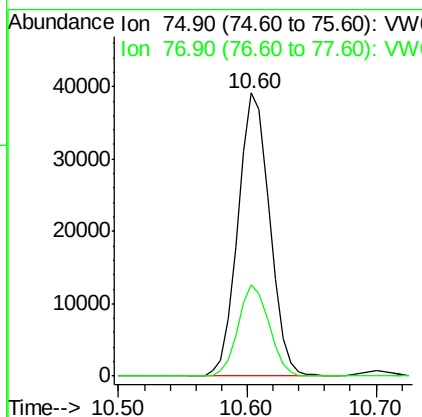
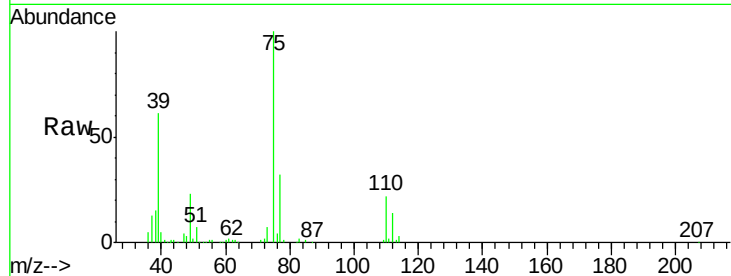
#53
t-1,3-Dichloropropene
Concen: 22.257 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion: 75 Resp: 66699
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4

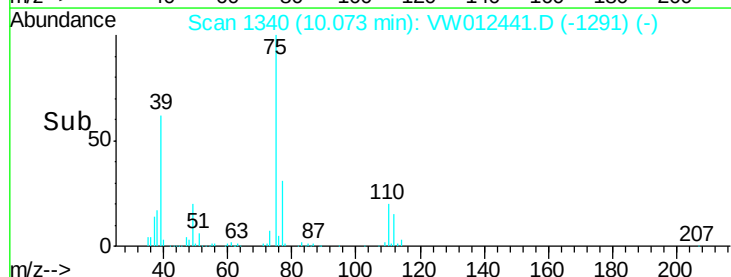
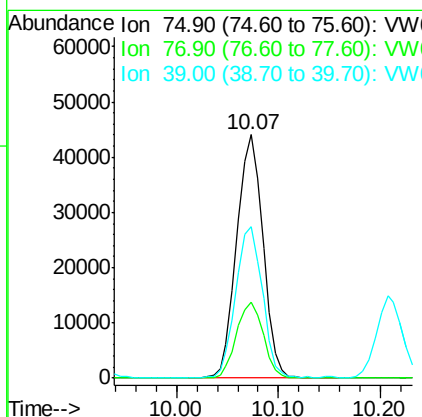
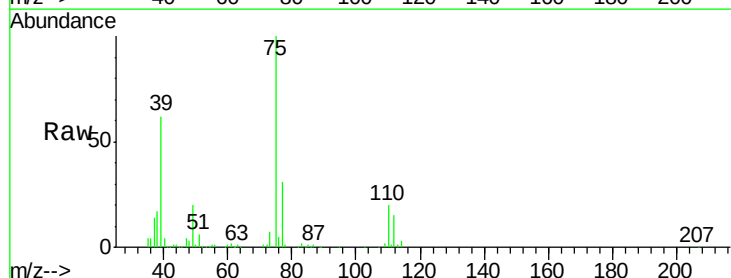
Manual Integrations
APPROVED

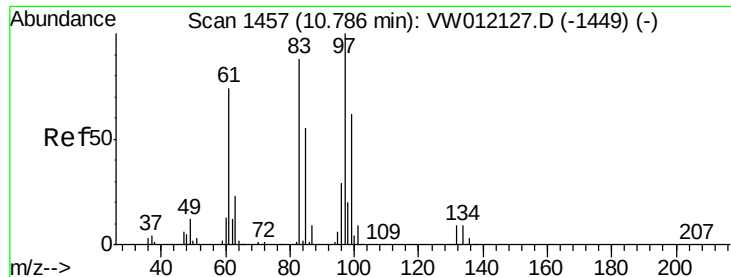
MMDadoda
9/3/2019 10:44:25 AM



#54
cis-1,3-Dichloropropene
Concen: 21.797 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion: 75 Resp: 78871
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7
39 62.2 48.3 72.5





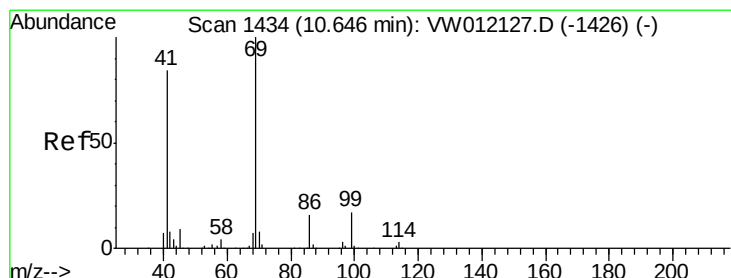
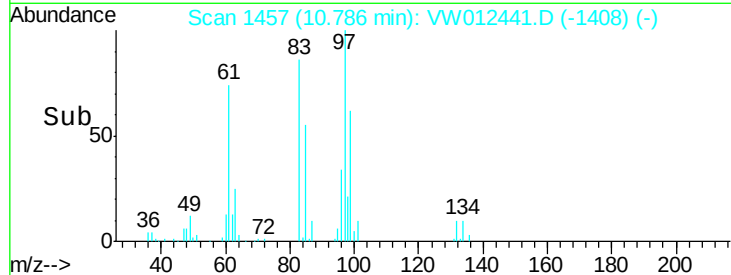
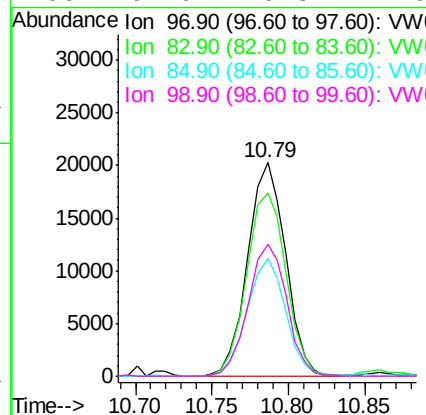
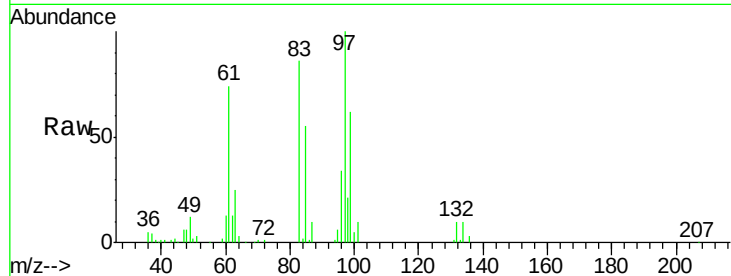
#55
 1,1,2-Trichloroethane
 Concen: 22.436 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

Tot Ion:	97	Resp:	35091
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.8	106.2
85	55.2	43.8	65.8
99	61.9	49.8	74.6

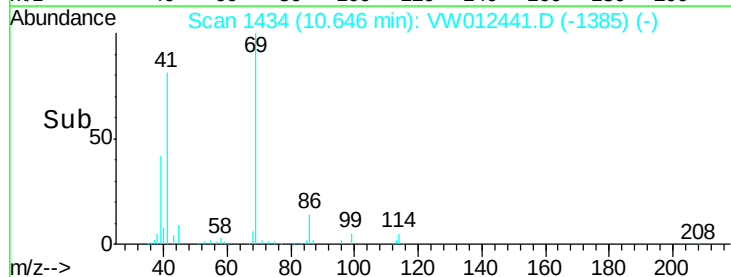
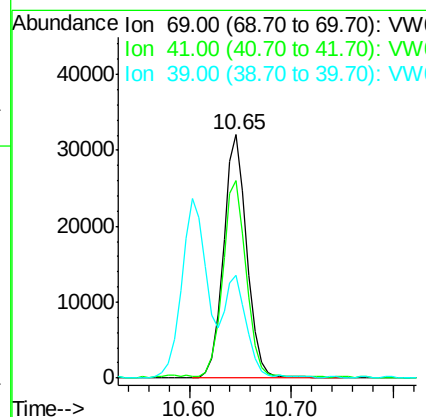
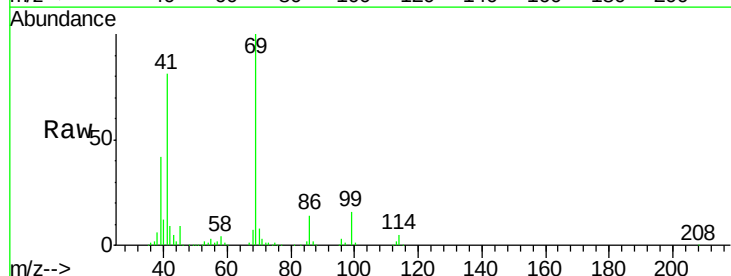
Manual Integrations
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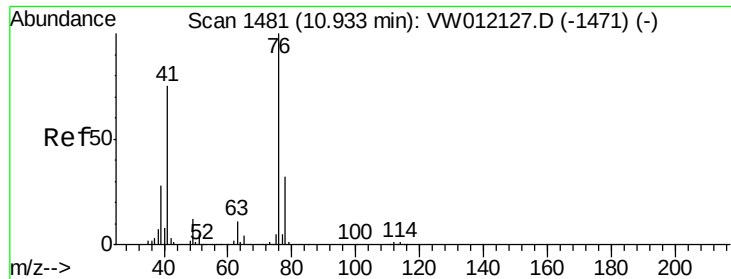
MMDadoda
 9/3/2019 10:44:25 AM



#56
 Ethyl methacrylate
 Concen: 22.464 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Tgt Ion:	69	Resp:	51135
Ion	Ratio	Lower	Upper
69	100		
41	80.8	66.5	99.7
39	38.9	31.0	46.4





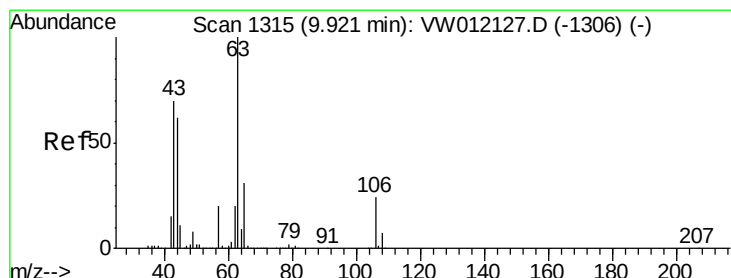
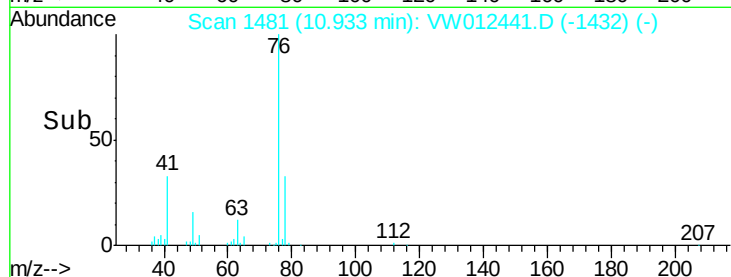
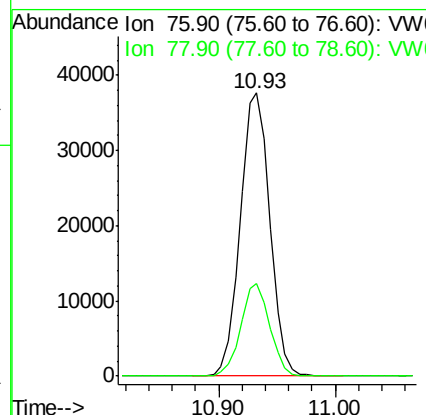
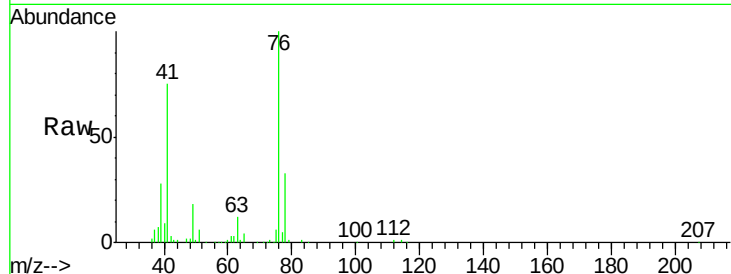
#57
 1,3-Dichloropropane
 Concen: 22.534 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

Tot Ion: 76 Resp: 66602
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

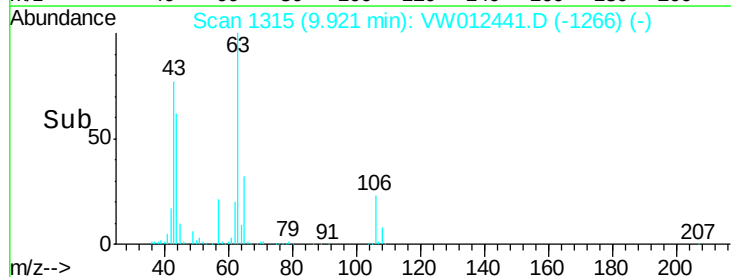
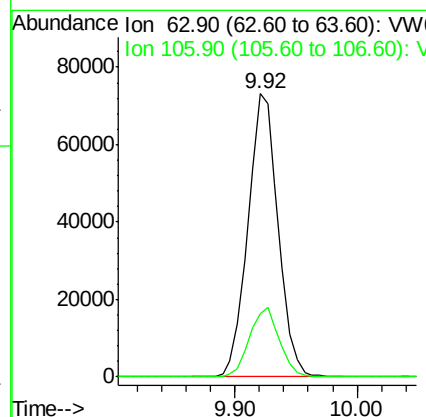
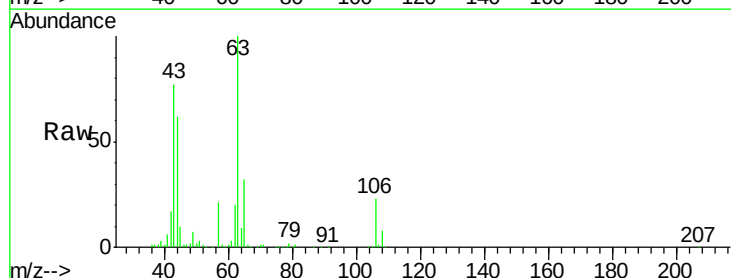
Manual Integrations
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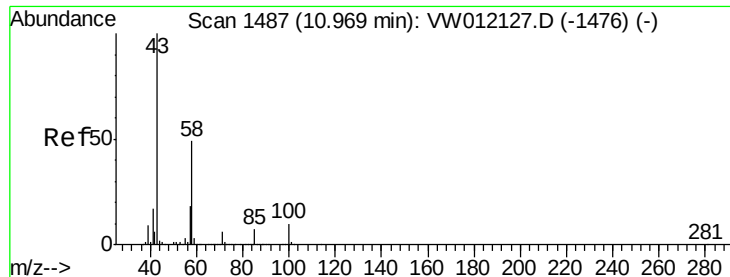
MMDadoda
 9/3/2019 10:44:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.953 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Tgt Ion: 63 Resp: 124949
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.8 29.8





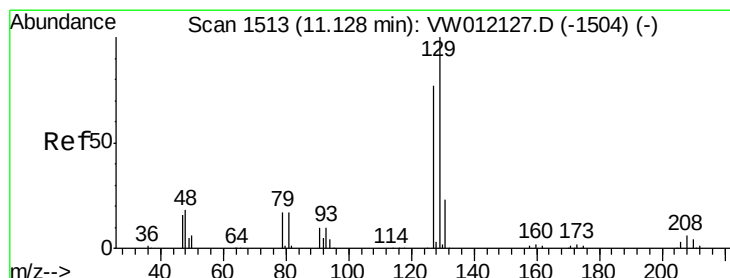
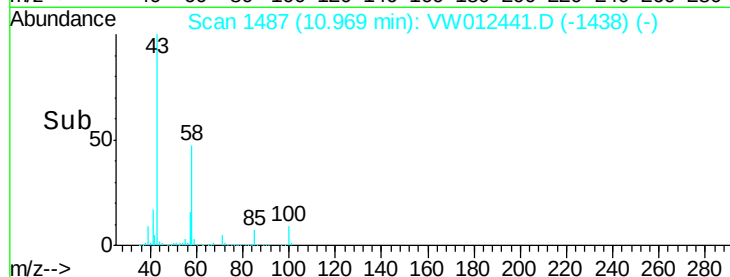
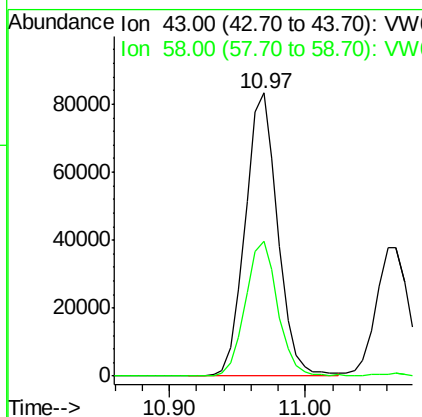
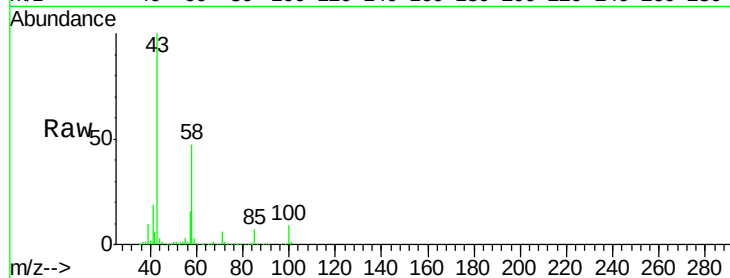
#59
2-Hexanone
Concen: 111.942 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	43	Resp	138252
Ion Ratio	100	Lower	Upper
43	100		
58	47.6	24.3	72.9

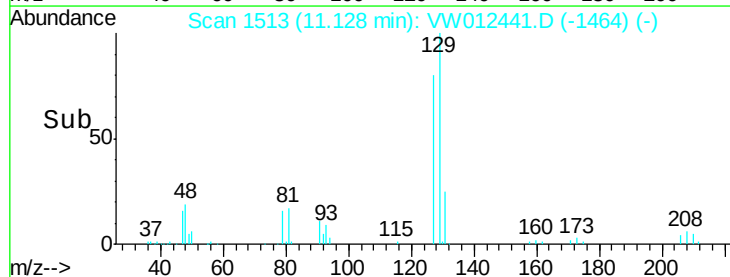
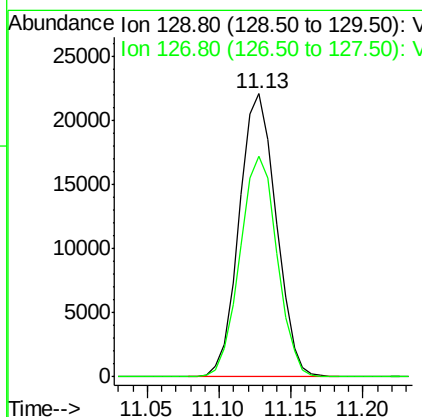
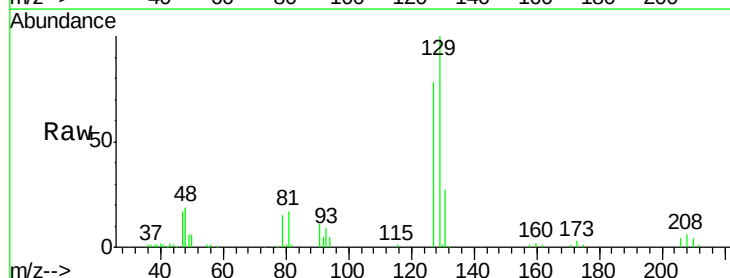
Manual Integrations
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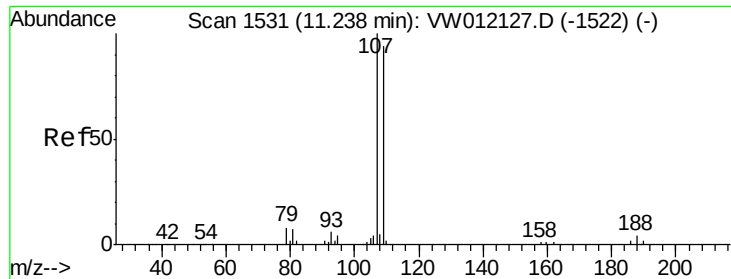
MMDadoda
9/3/2019 10:44:25 AM



#60
Dibromochloromethane
Concen: 22.609 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	129	Resp	39387
Ion Ratio	100	Lower	Upper
129	100		
127	77.9	38.6	115.8





#61

1,2-Dibromoethane

Concen: 22.232 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

Tot Ion: 107 Resp: 32395

Ion Ratio Lower Upper

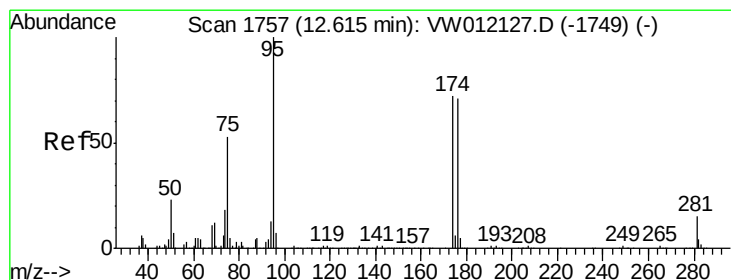
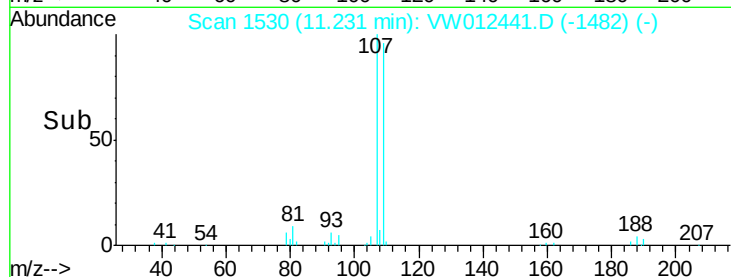
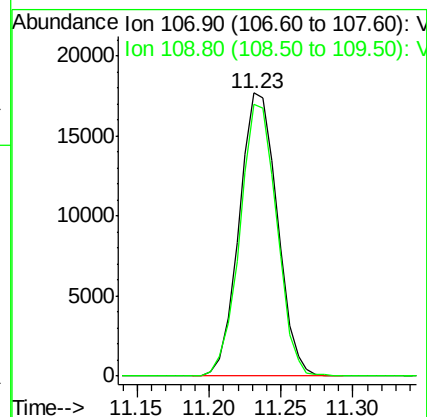
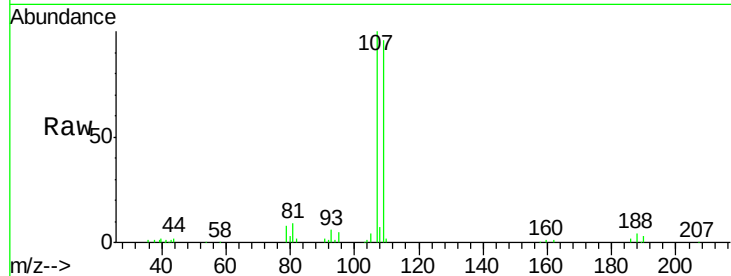
107 100

109 93.2 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 51.482 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

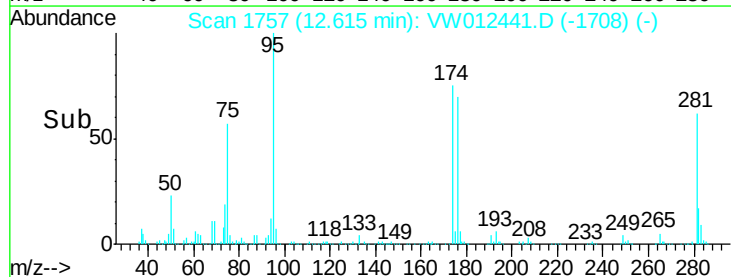
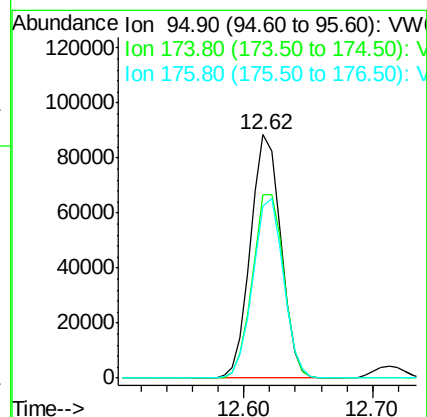
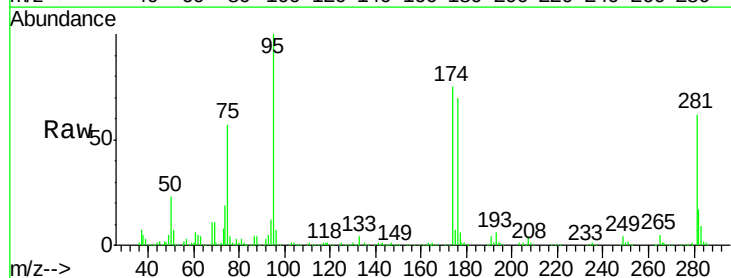
Tgt Ion: 95 Resp: 143696

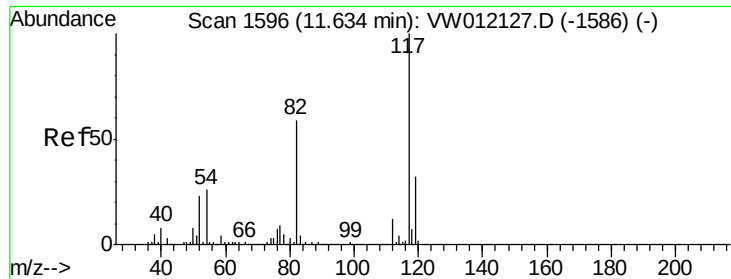
Ion Ratio Lower Upper

95 100

174 77.9 0.0 150.8

176 74.2 0.0 148.6





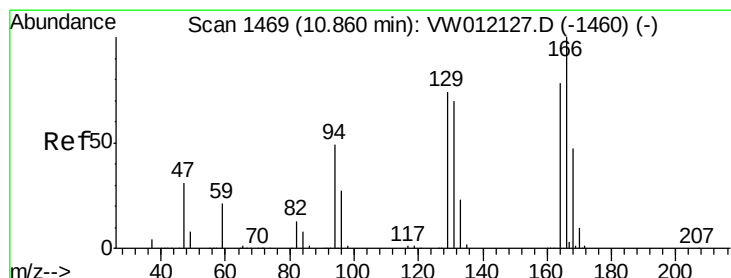
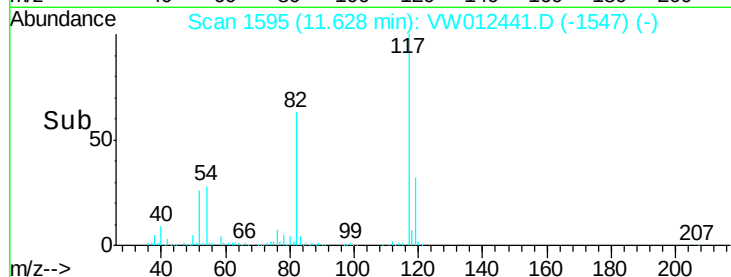
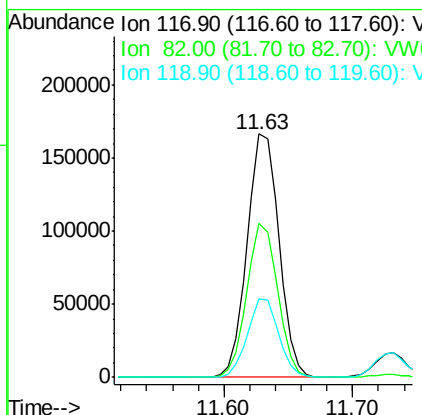
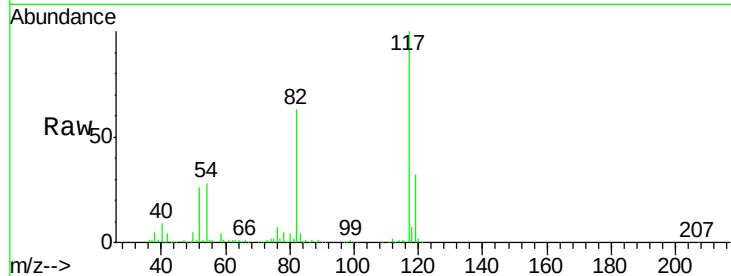
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	283671		
82	63.1		47.4	71.2
119	32.1		25.4	38.2

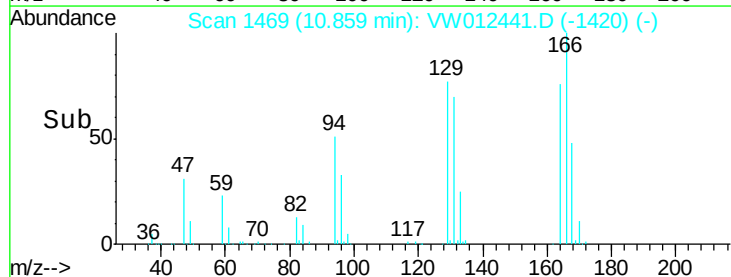
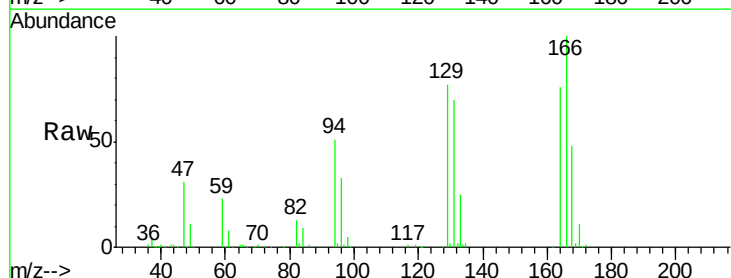
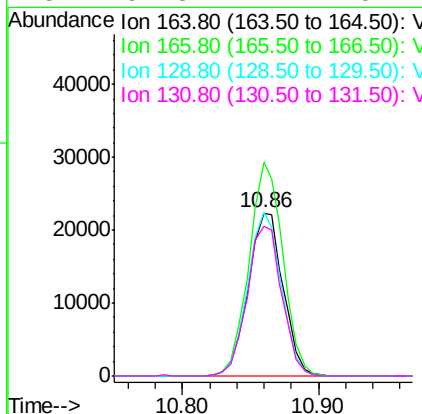
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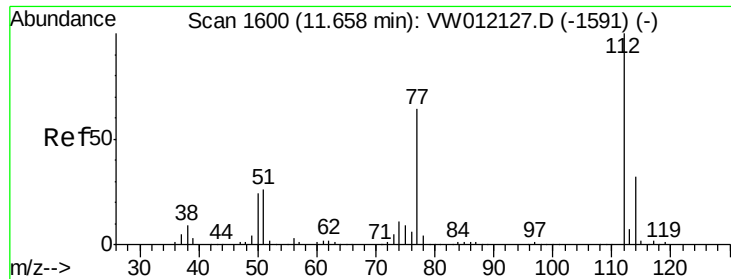
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#64
Tetrachloroethene
Concen: 21.846 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40178		
166	131.0		102.4	153.6
129	100.7		75.8	113.6
131	92.3		71.4	107.2





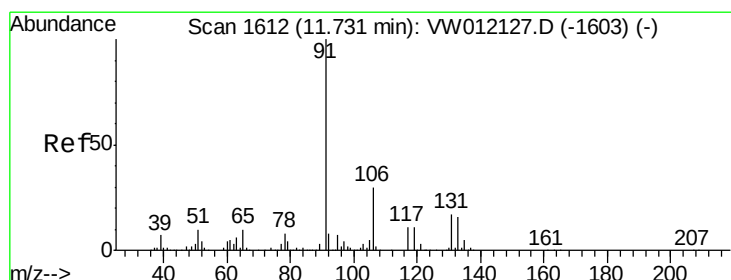
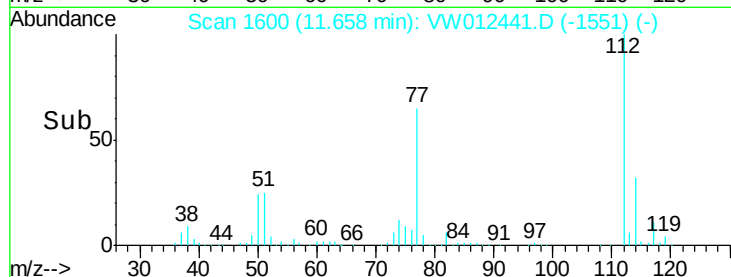
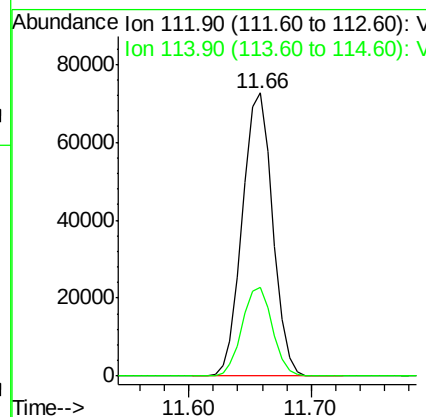
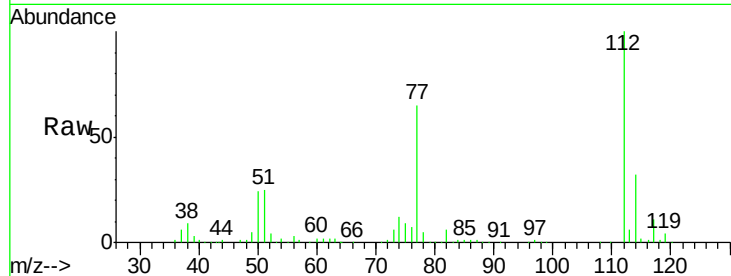
#65
Chlorobenzene
Concen: 22.329 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion:112 Resp: 124723
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6

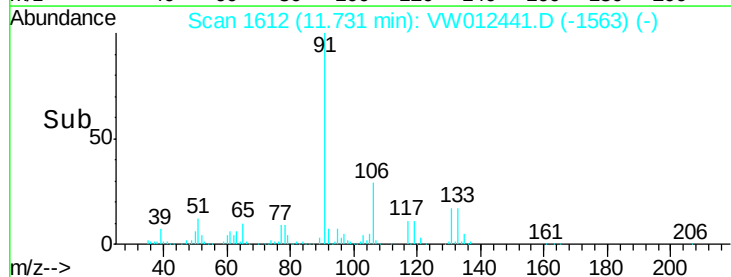
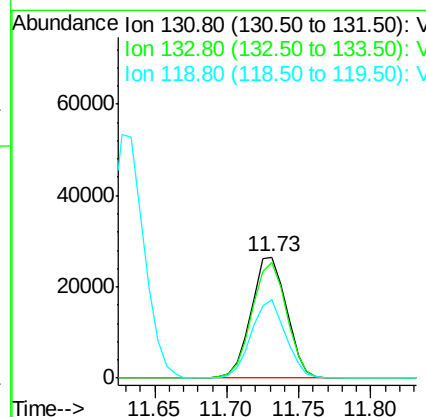
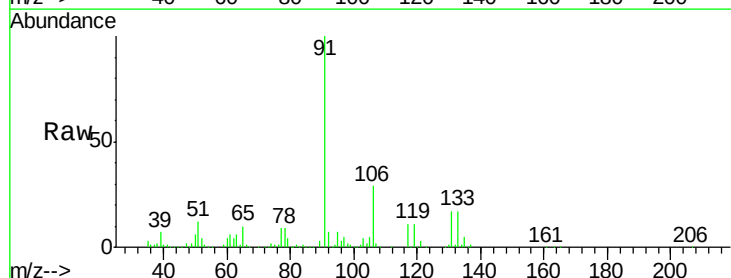
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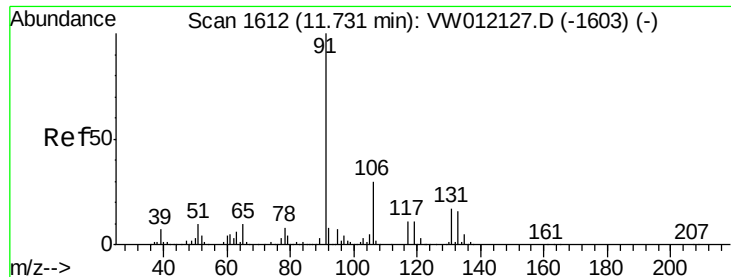
MMDadoda
9/3/2019 10:44:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.196 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion:131 Resp: 45200
Ion Ratio Lower Upper
131 100
133 93.6 47.1 141.3
119 62.8 31.8 95.3





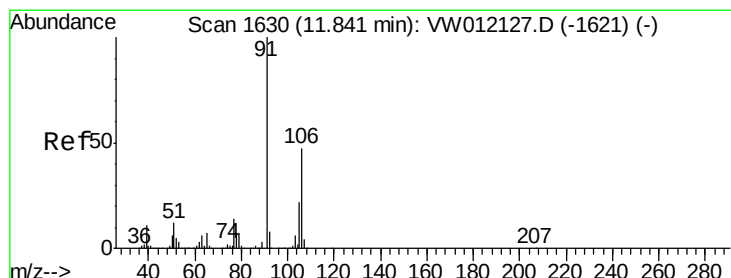
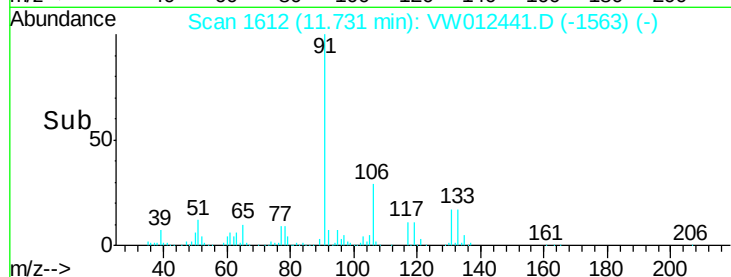
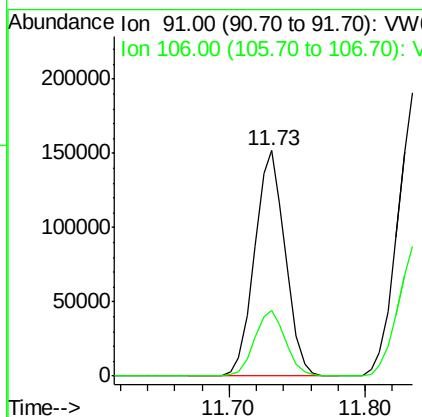
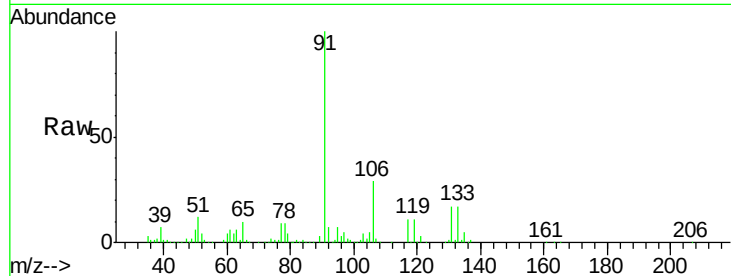
#67
Ethyl Benzene
Concen: 22.279 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.3	36.5

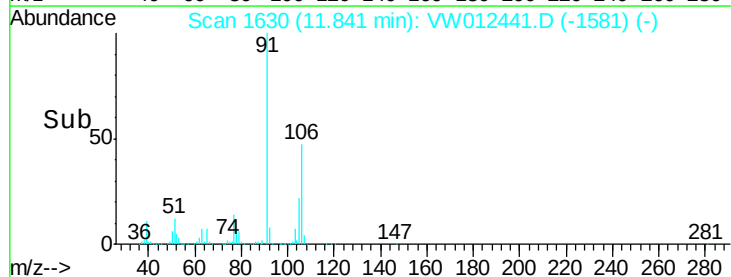
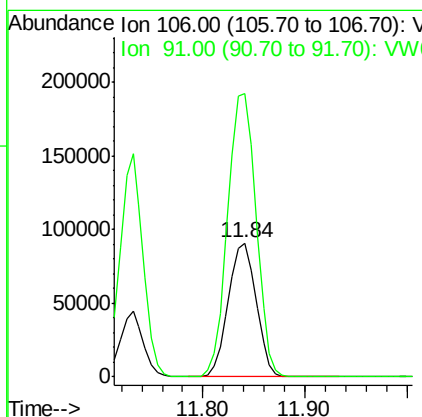
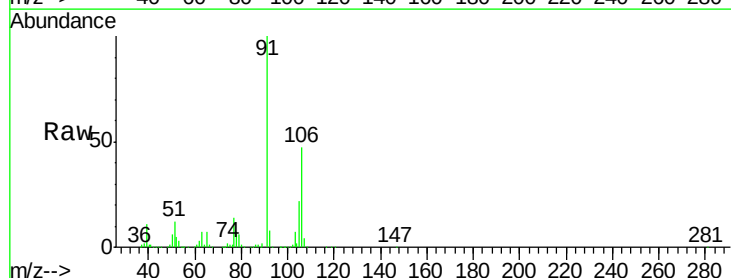
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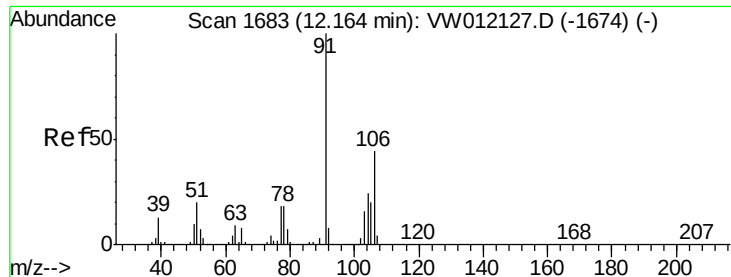
MMDadoda
9/3/2019 10:44:25 AM



#68
m/p-Xylenes
Concen: 44.385 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
106	100		
91	215.2	169.5	254.3





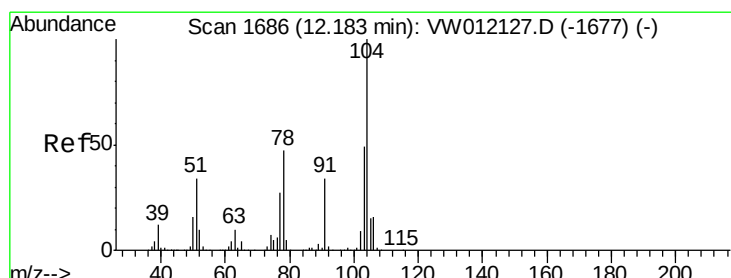
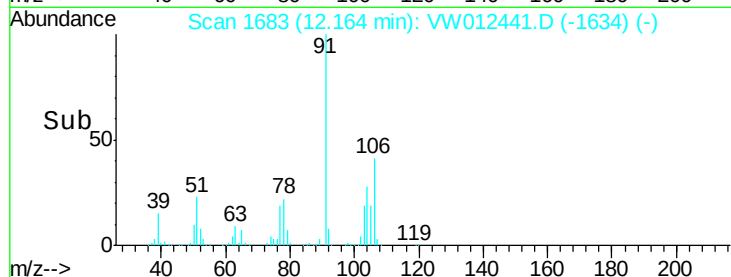
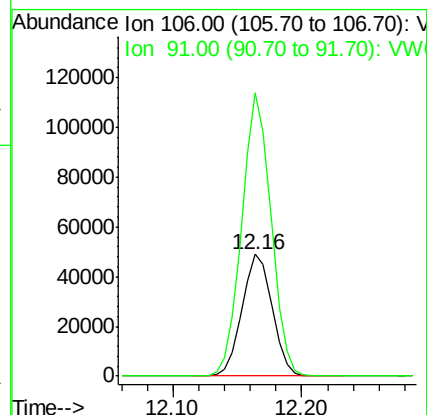
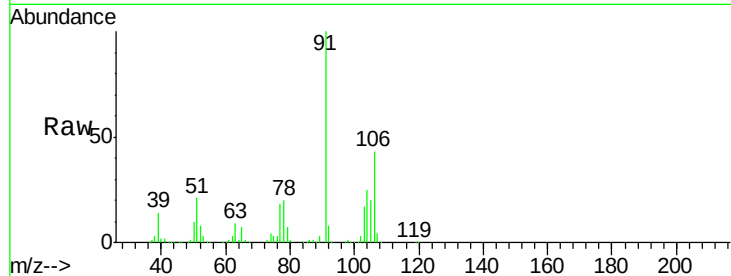
#69
o-Xylene
Concen: 22.175 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion:106 Resp: 79548
Ion Ratio Lower Upper
106 100
91 225.1 111.6 334.6

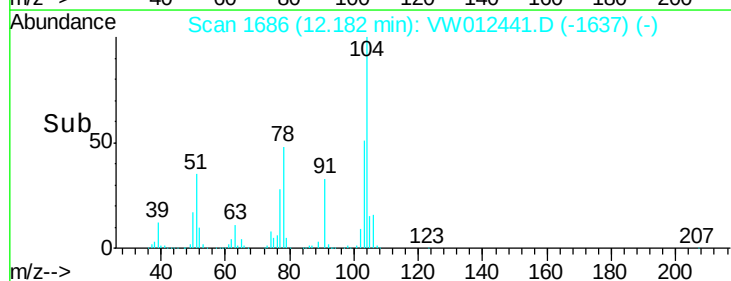
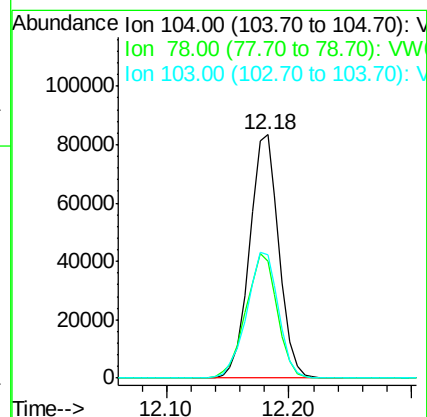
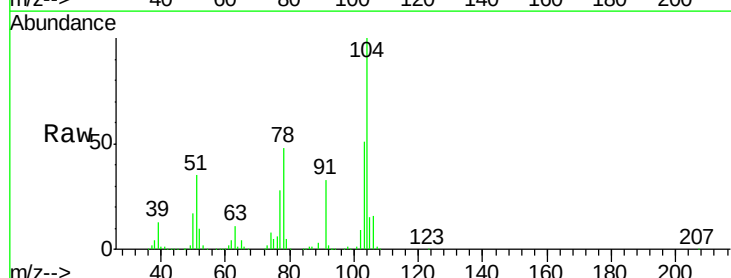
Manual Integrations
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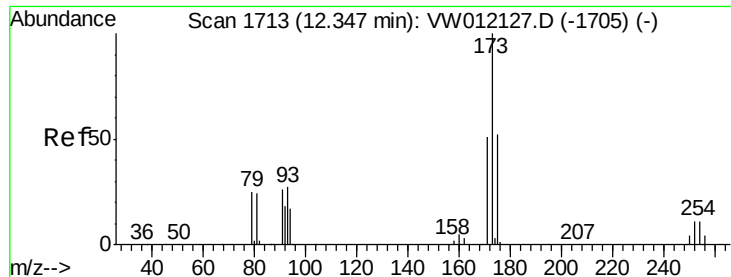
MMDadoda
9/3/2019 10:44:25 AM



#70
Styrene
Concen: 22.329 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion:104 Resp: 138646
Ion Ratio Lower Upper
104 100
78 54.8 43.1 64.7
103 56.0 43.5 65.3





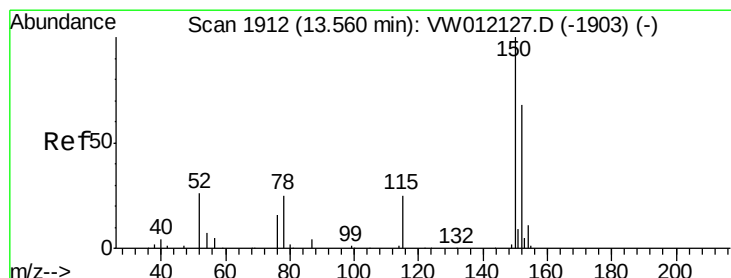
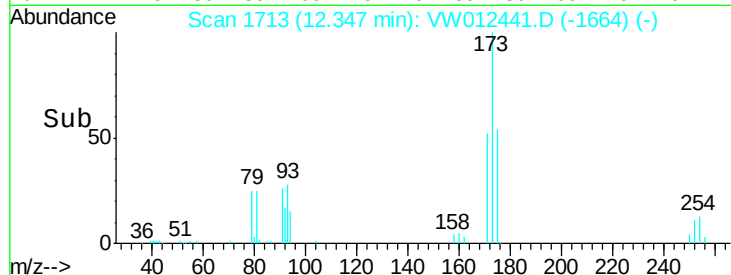
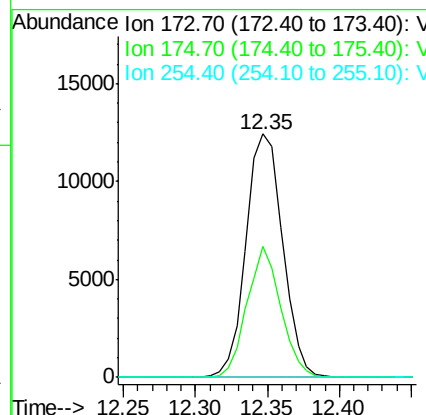
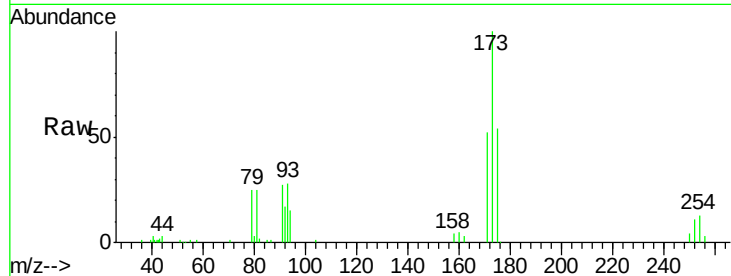
#71
Bromoform
Concen: 22.559 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		21902		
175	49.5	24.6	74.0		
254	0.0	0.2	0.2#		

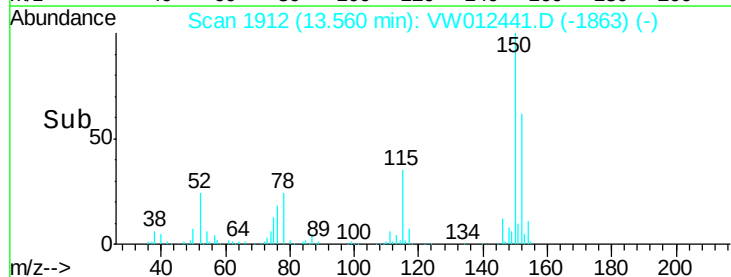
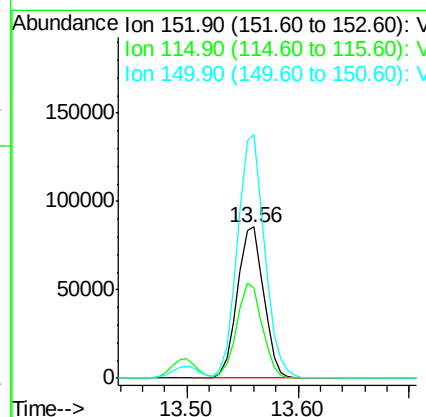
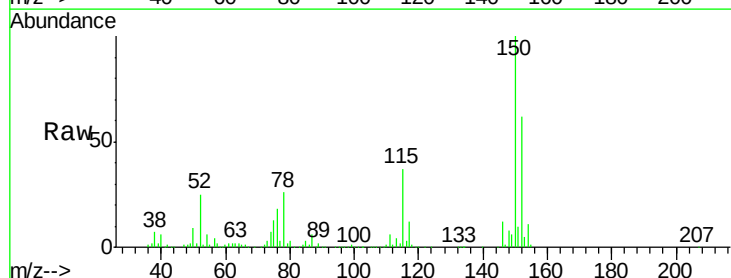
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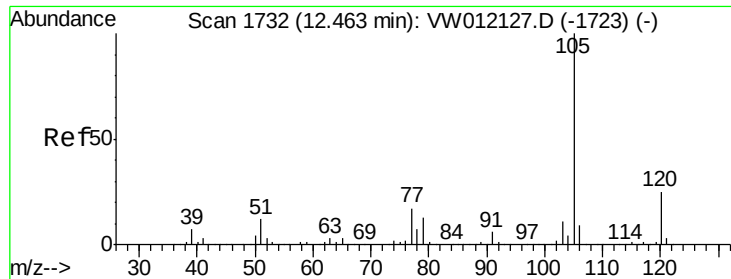
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		140697		
115	60.7	30.1	90.3		
150	165.6	0.0	345.8		





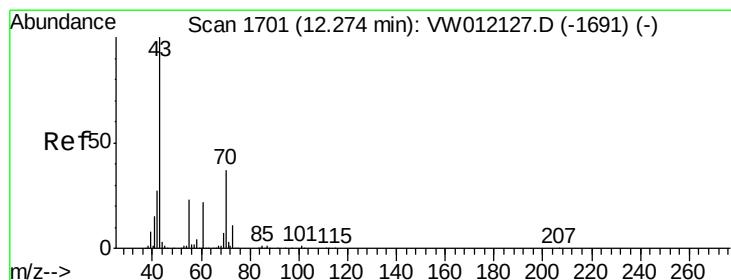
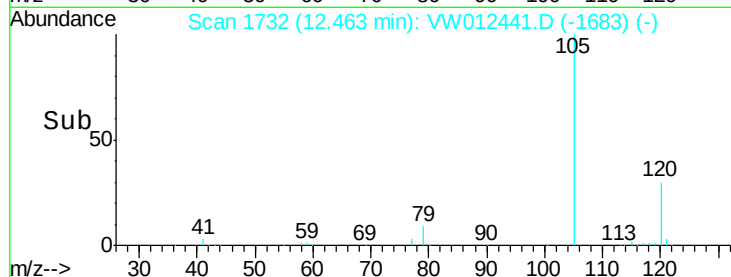
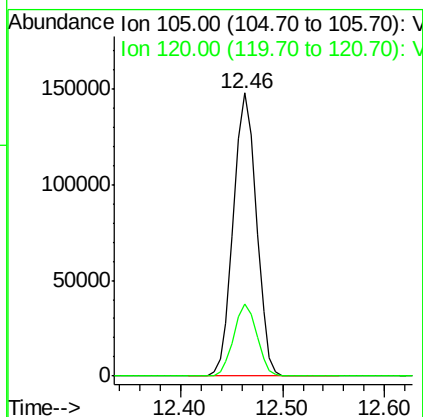
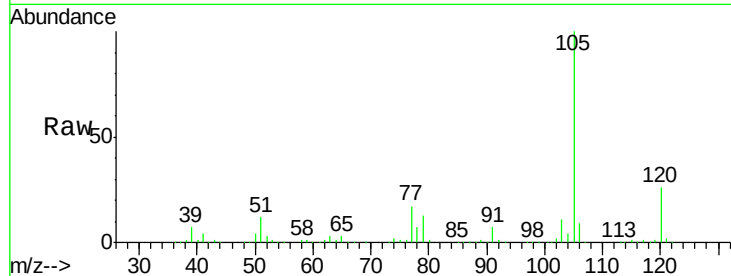
#73
Isopropylbenzene
Concen: 21.858 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.5	37.5

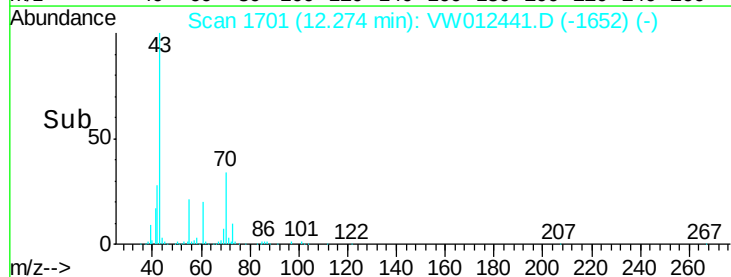
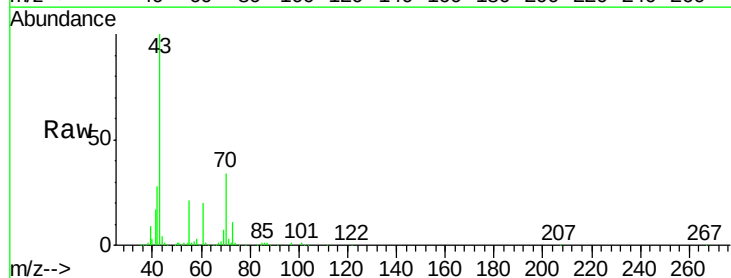
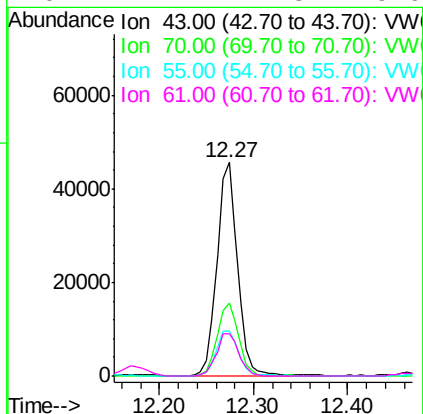
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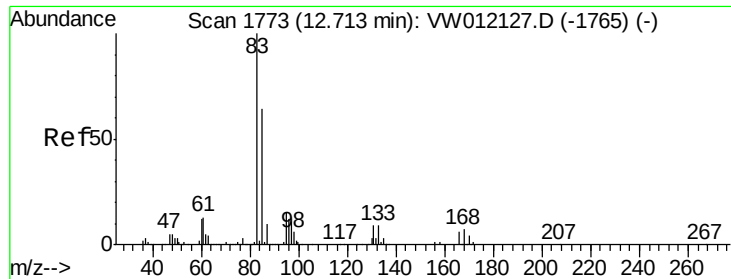
MMDadoda
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#74
N-ethyl acetate
Concen: 21.571 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.2	28.6	43.0
55	23.6	17.8	26.6
61	21.7	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.113 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

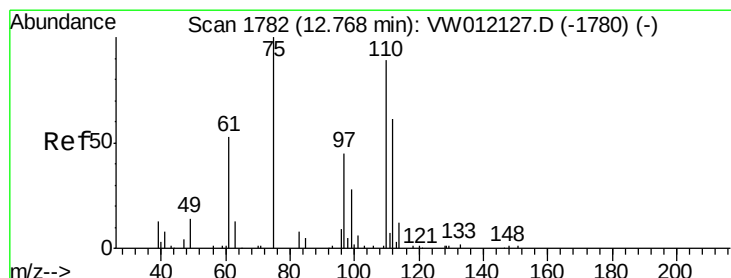
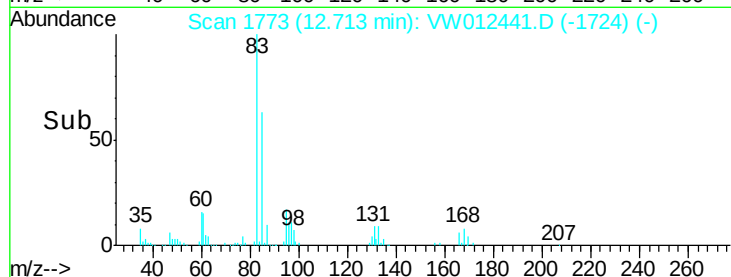
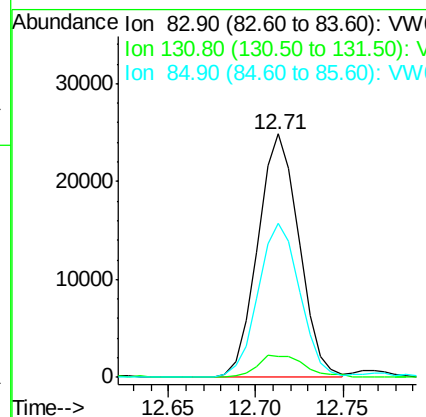
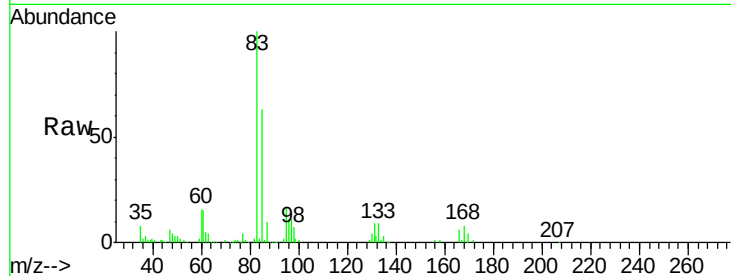
ClientSampled :

VW0901SBSD01

Tot Ion:	83	Resp:	40806
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	64.0	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 25.155 ug/l m

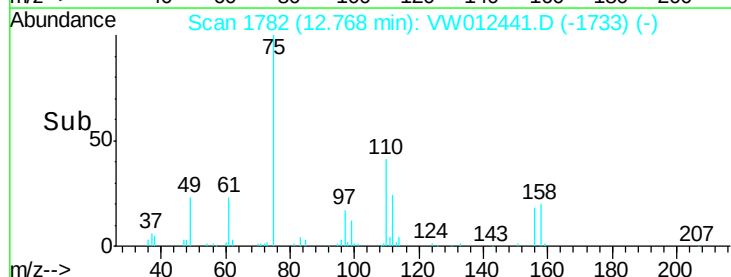
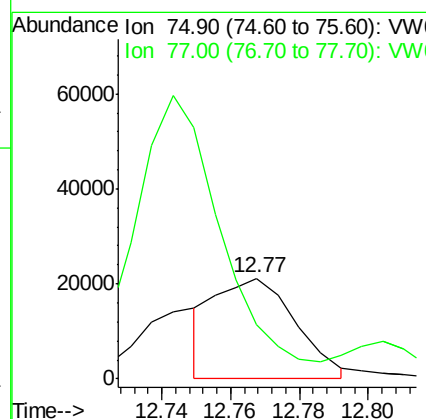
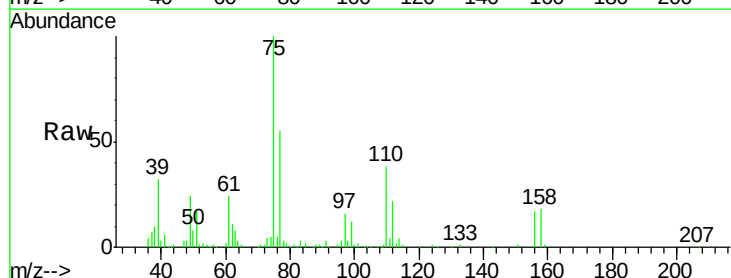
RT: 12.77 min Scan# 1782

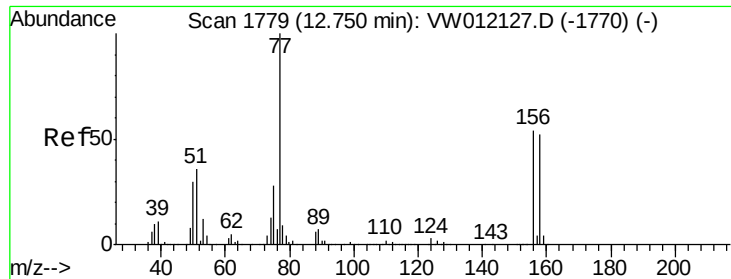
Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Tgt Ion:	75	Resp:	34469
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.822 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

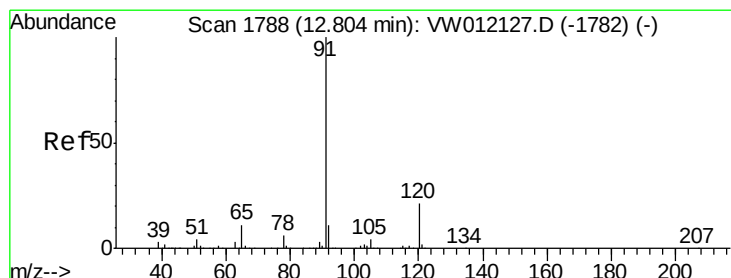
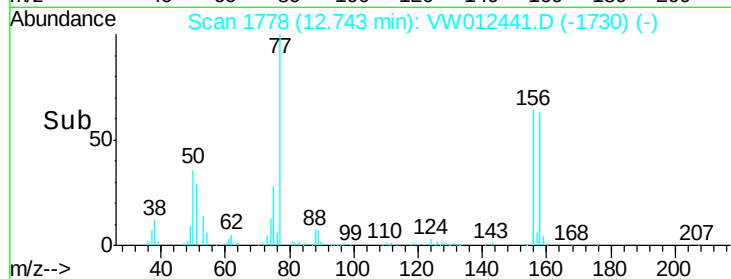
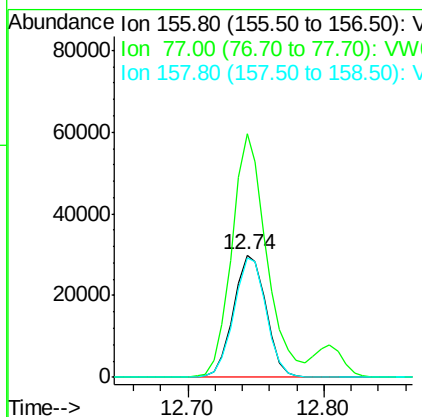
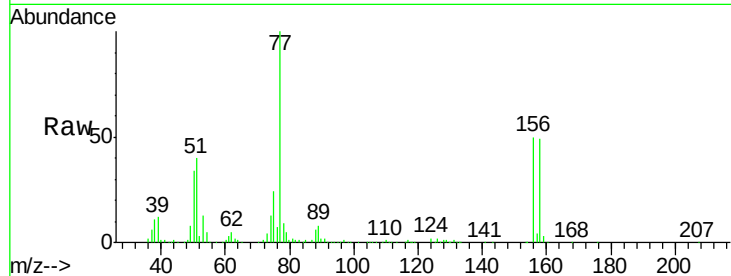
ClientSampleId :

VW0901SBSD01

Tot Ion	156	Resp	49771
Ion Ratio	Lower	Upper	
156	100		
77	213.3	107.3	321.8
158	97.2	49.0	147.0

Manual Integrations
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9/3/2019 10:44:25 AM



#78

n-propylbenzene

Concen: 22.026 ug/l

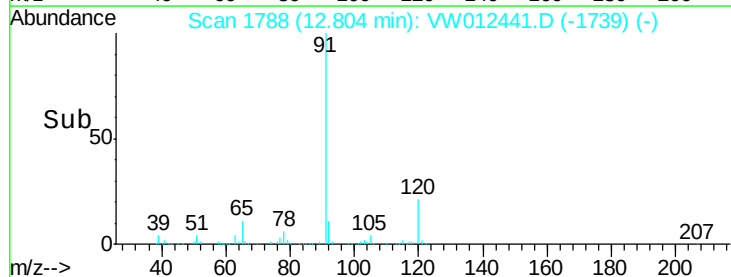
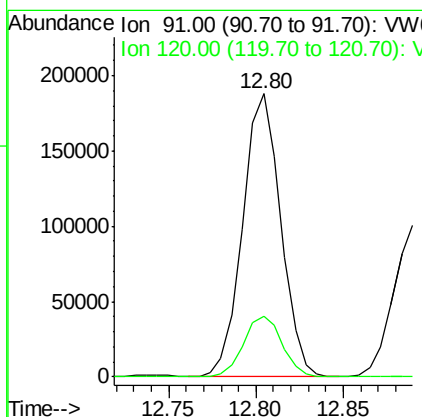
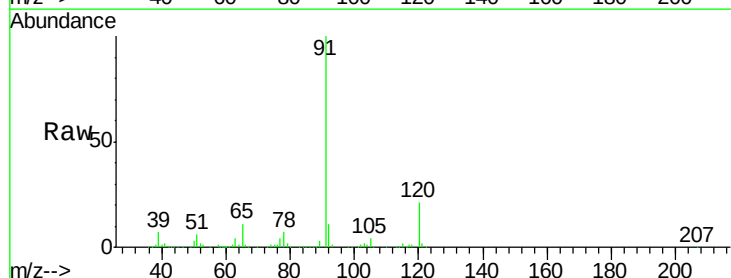
RT: 12.80 min Scan# 1788

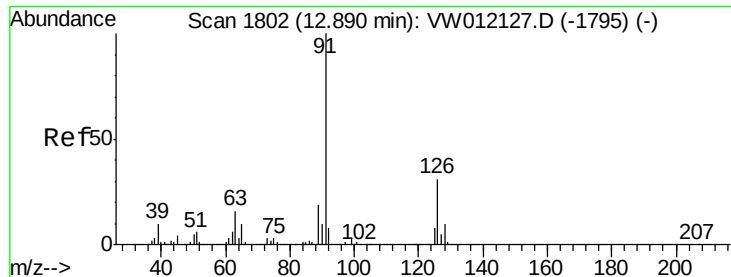
Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Tgt Ion	91	Resp	283478
Ion Ratio	Lower	Upper	
91	100		
120	21.9	10.5	31.6





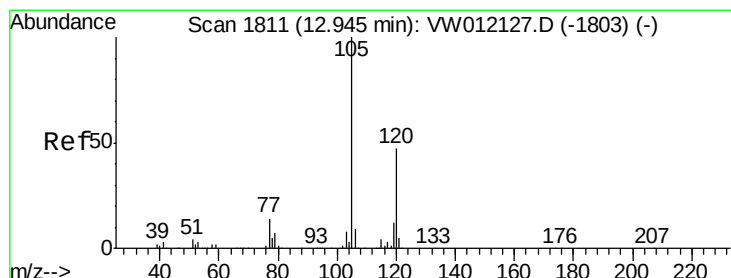
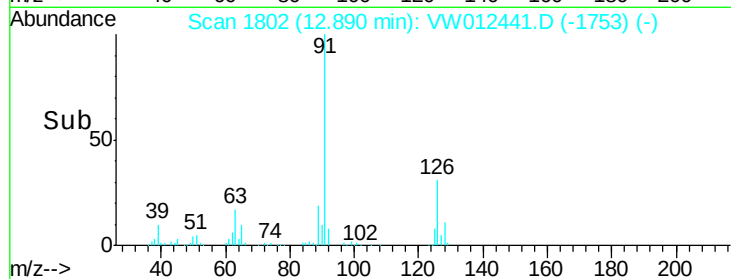
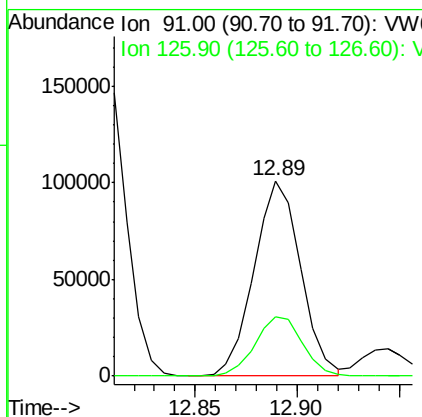
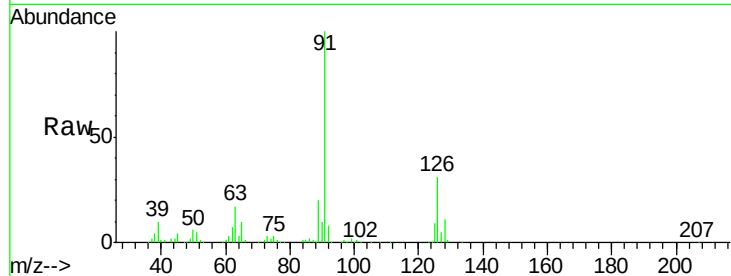
#79
 2-Chlorotoluene
 Concen: 21.918 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

Tot Ion: 91 Resp: 160156
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.7 47.0

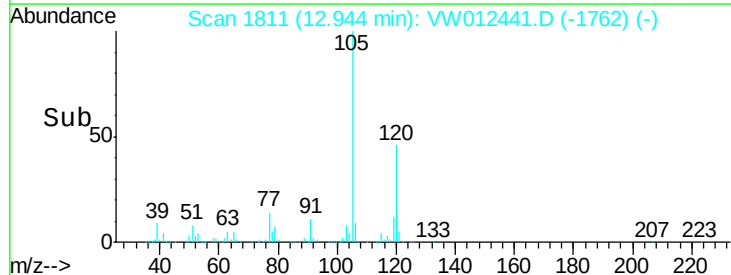
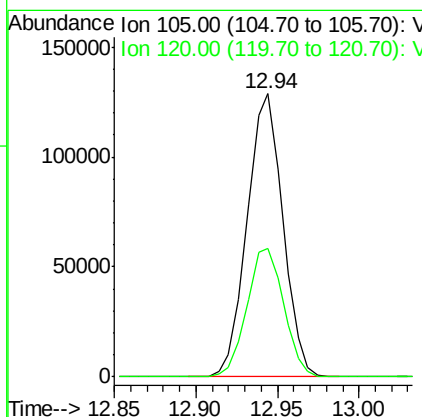
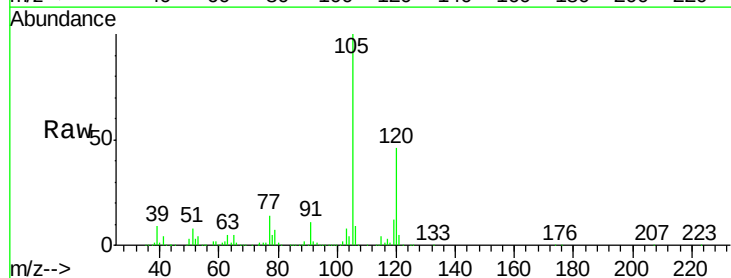
Manual Integrations
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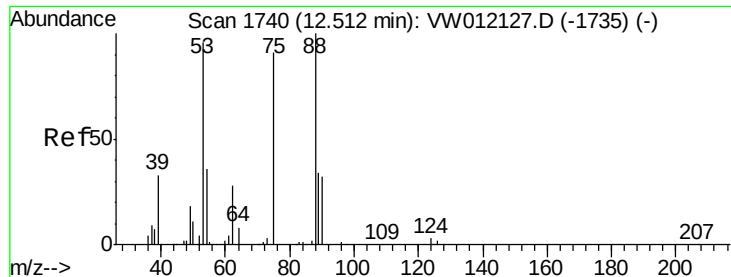
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.268 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Tgt Ion:105 Resp: 196164
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.0 72.0





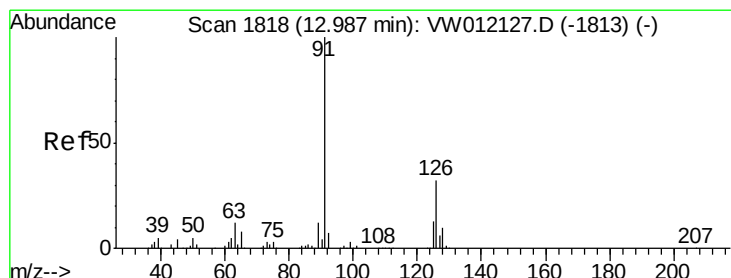
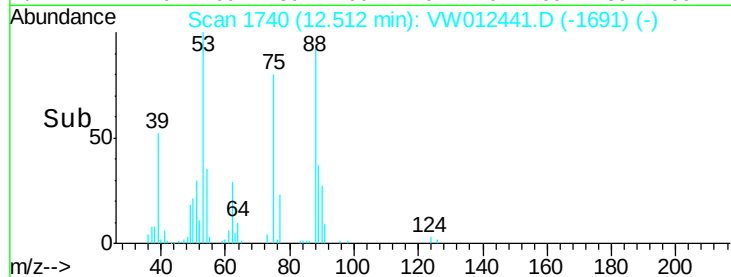
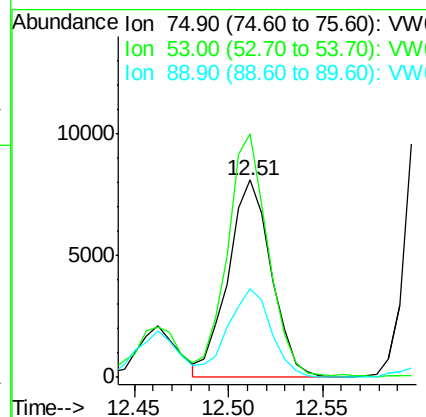
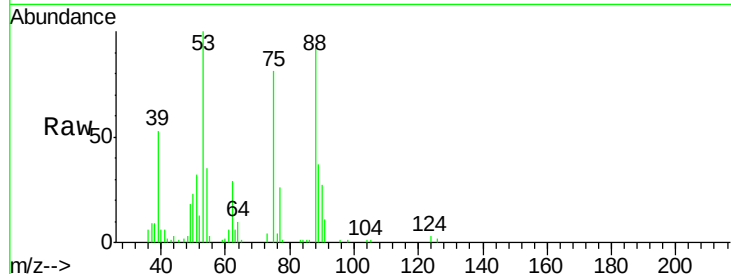
#81
trans-1,4-Dichloro-2-butene
Concen: 20.567 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampled :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.3	89.4	134.0
89	45.7	34.5	51.7

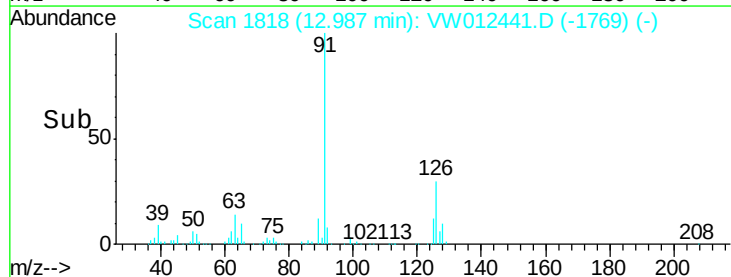
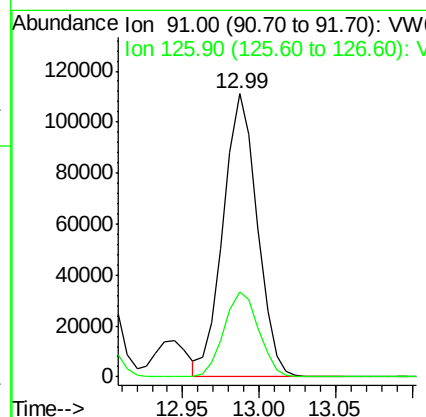
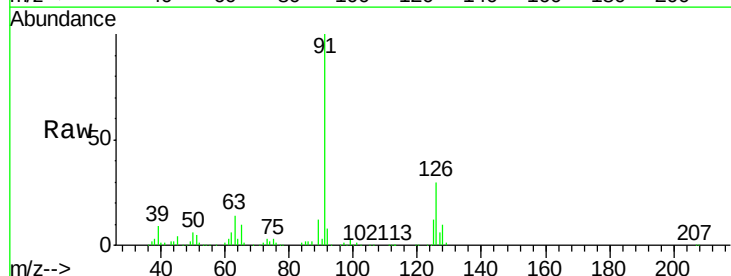
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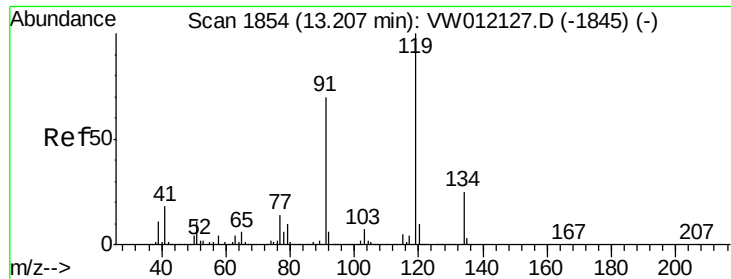
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#82
4-Chlorotoluene
Concen: 22.375 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.8





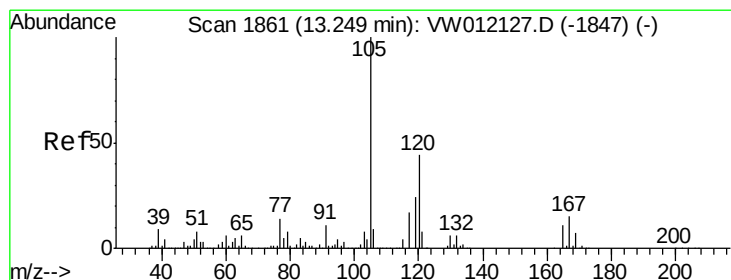
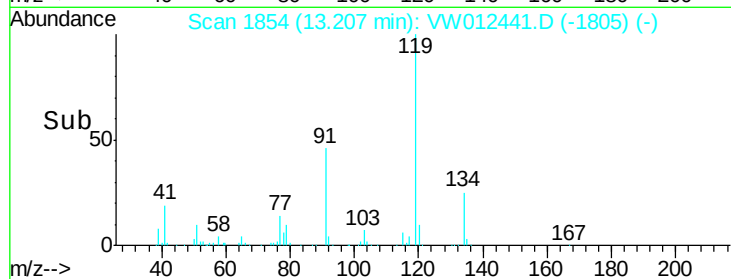
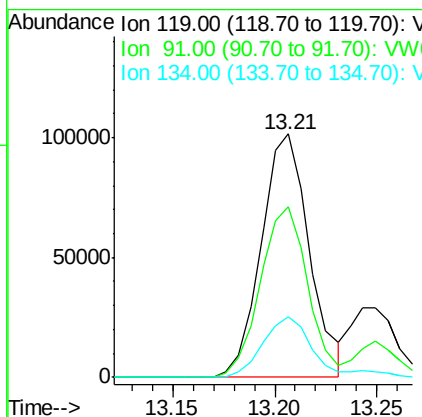
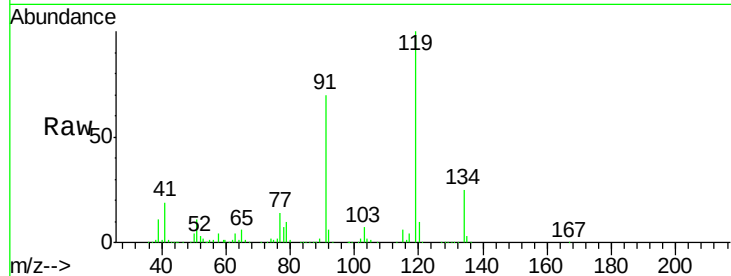
#83
 tert-Butylbenzene
 Concen: 22.337 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166683		
91	68.9	34.8	104.3	
134	25.0	13.3	39.8	

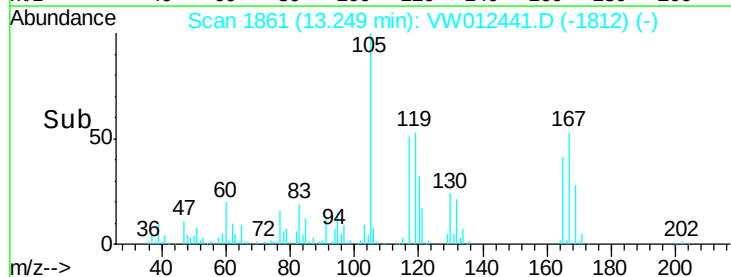
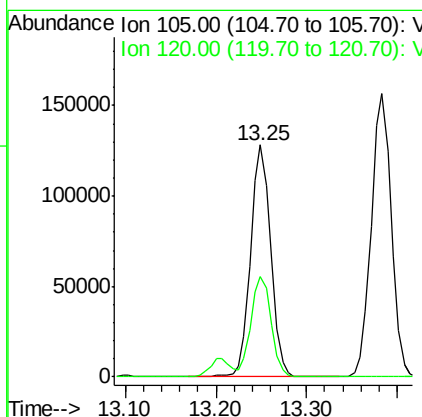
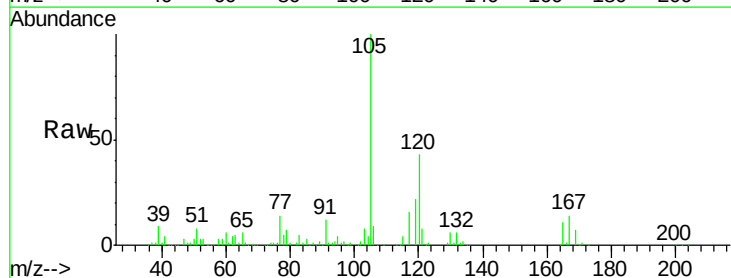
Manual Integrations
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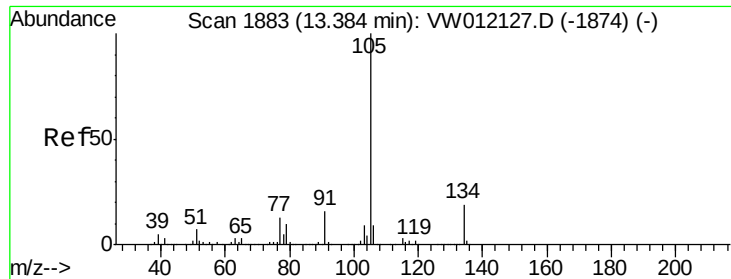
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.342 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	197714		
120	43.2	21.9	65.7	





#85

sec-Butylbenzene

Concen: 22.416 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

ClientSampled :

VW0901SBSD01

Tot Ion:105 Resp: 239651

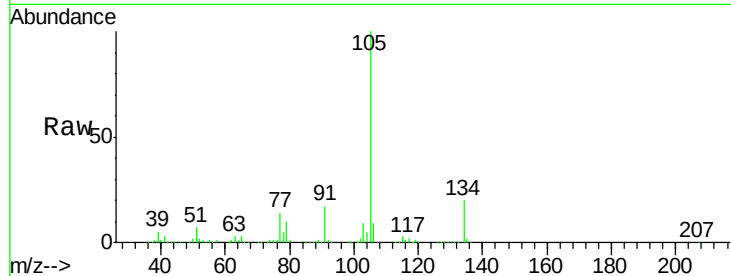
Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.4

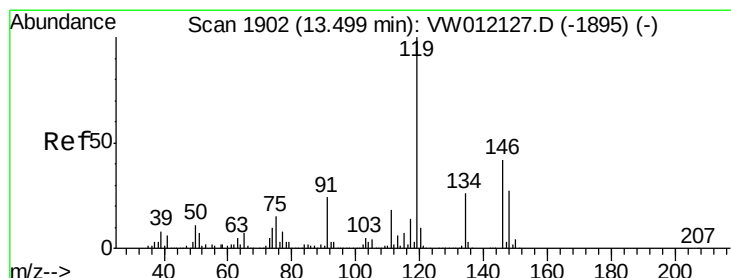
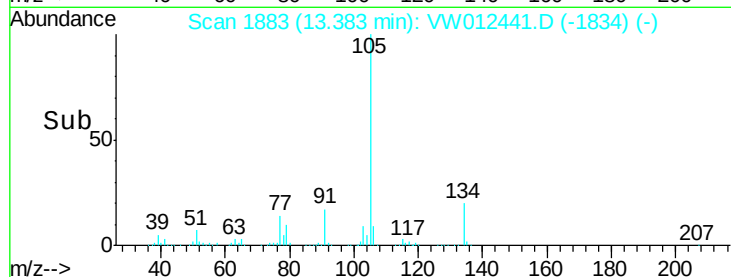
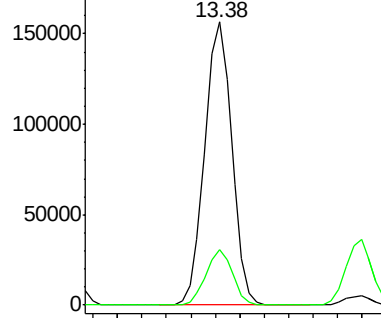
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.598 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

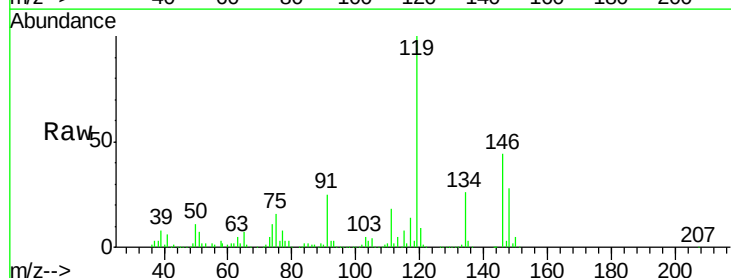
Tgt Ion:119 Resp: 215757

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

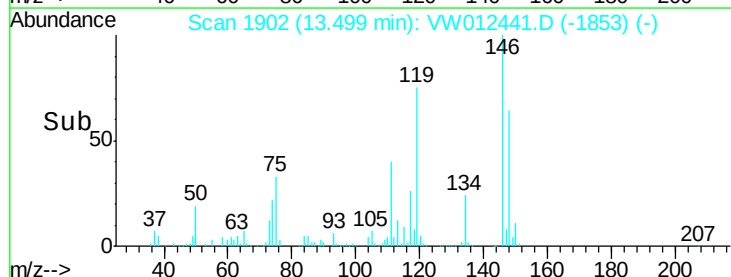
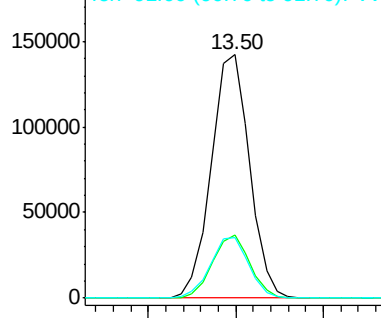
91 25.1 12.3 36.9

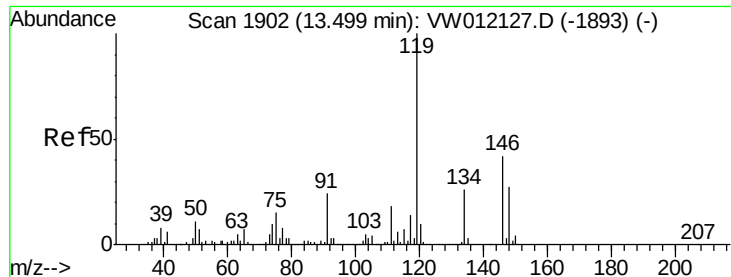


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.540 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

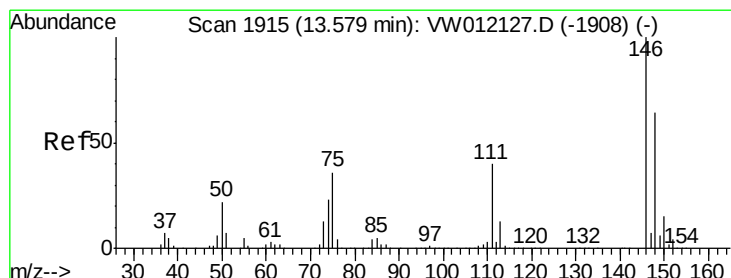
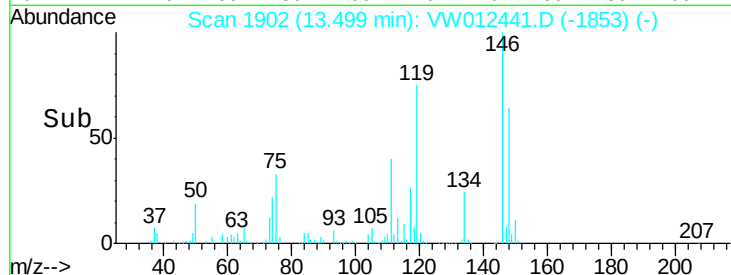
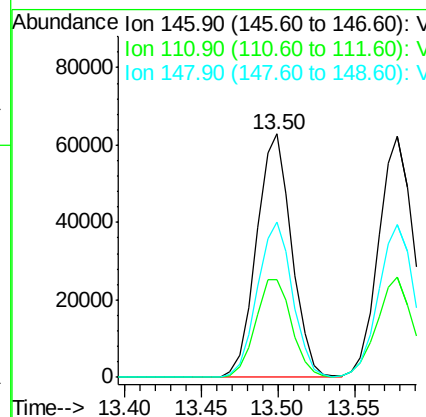
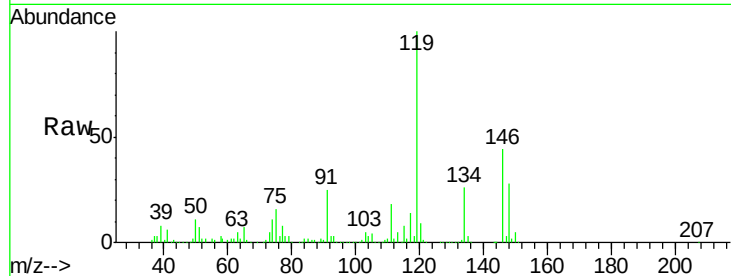
ClientSampled :

VW0901SBS01

Tot Ion:	146	Resp:	100555
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.9	62.7
148	64.0	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.479 ug/l

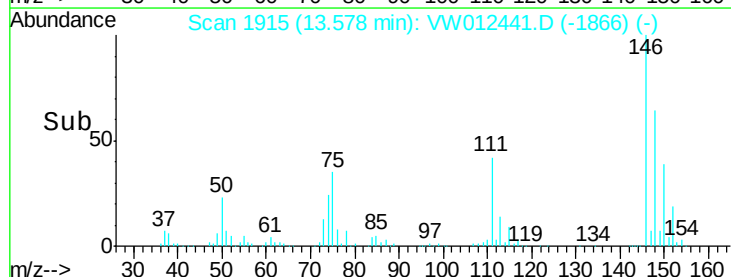
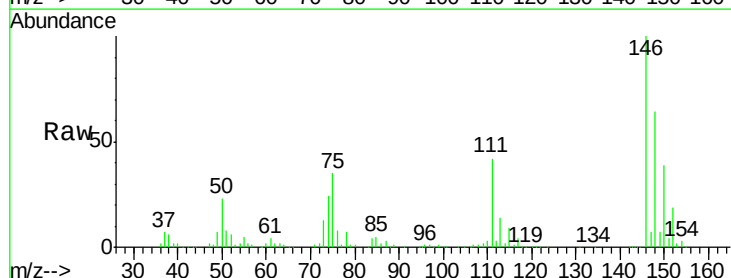
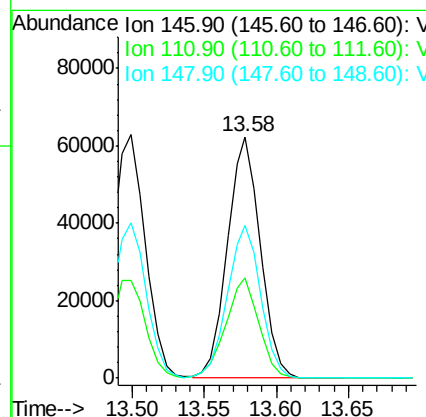
RT: 13.58 min Scan# 1915

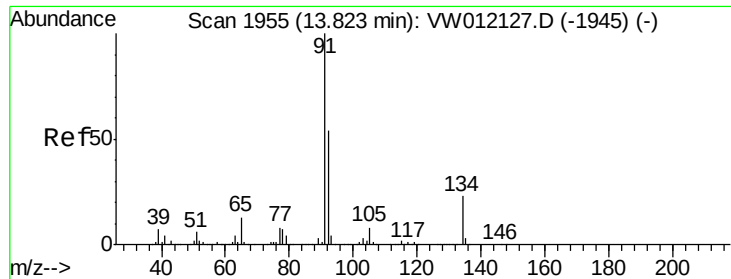
Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Tgt Ion:	146	Resp:	99572
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.0	60.0
148	64.2	32.1	96.3





#89

n-Butylbenzene

Concen: 22.694 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_W

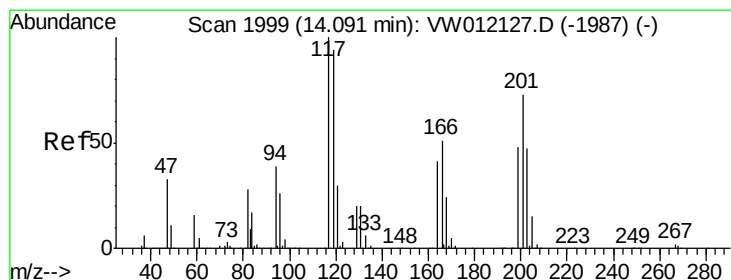
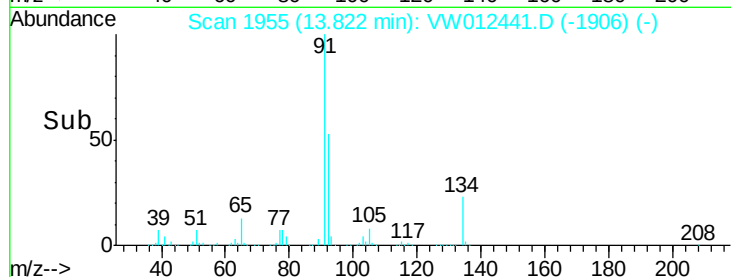
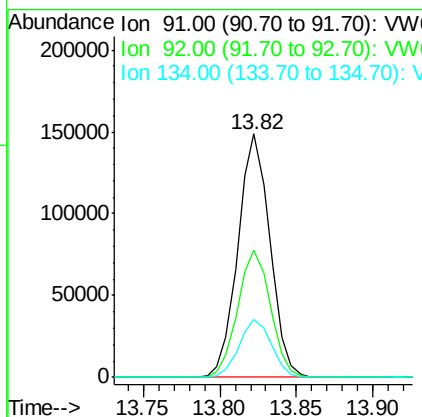
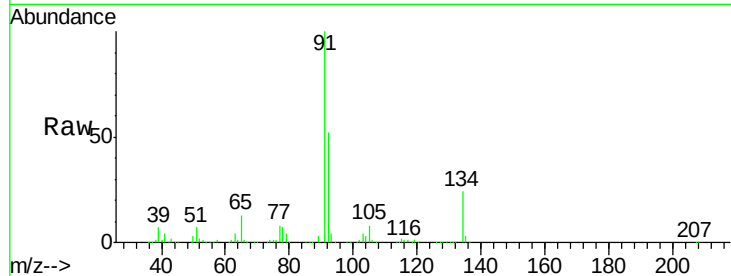
ClientSampleId :

VW0901SBSD01

Tot Ion:	91	Resp:	215474
Ion Ratio	Lower	Upper	
91	100		
92	53.6	27.1	81.2
134	24.2	12.2	36.4

Manual Integrations
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#90

Hexachloroethane

Concen: 22.639 ug/l

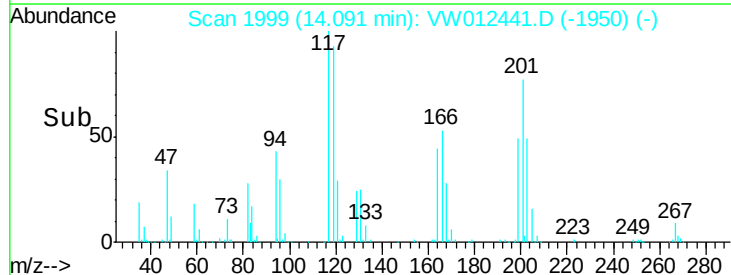
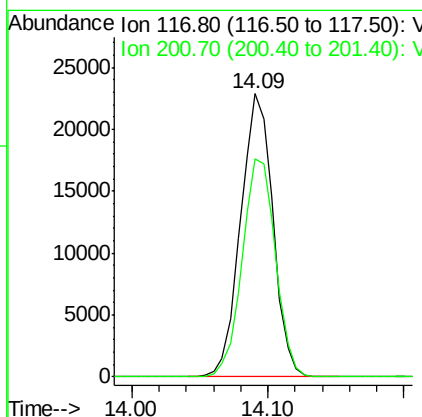
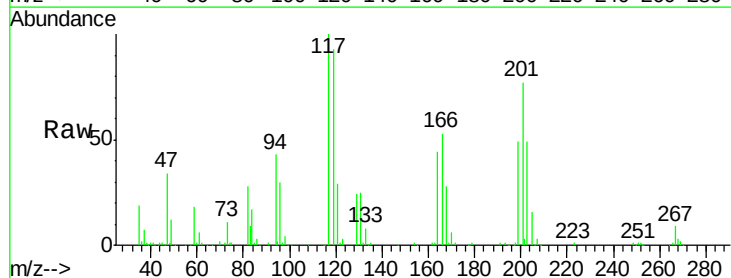
RT: 14.09 min Scan# 1999

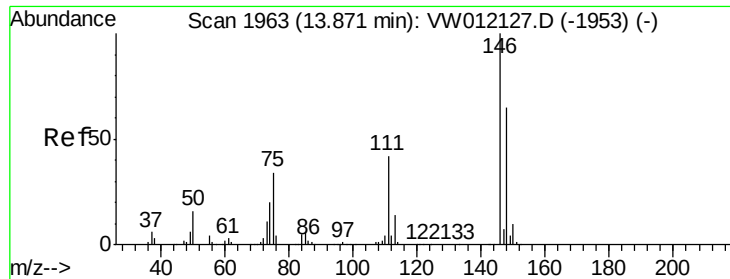
Delta R.T. -0.00 min

Lab File: VW012441.D

Acq: 01 Sep 2019 12:13

Tgt Ion:	117	Resp:	37923
Ion Ratio	Lower	Upper	
117	100		
201	79.5	38.6	115.7





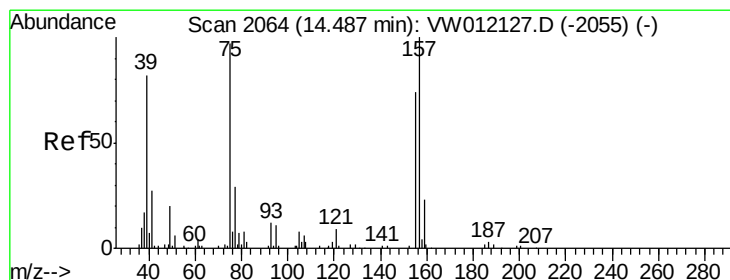
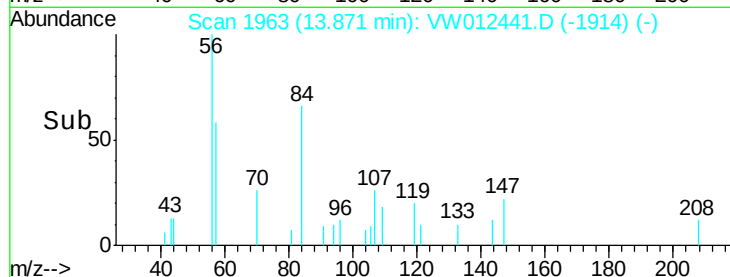
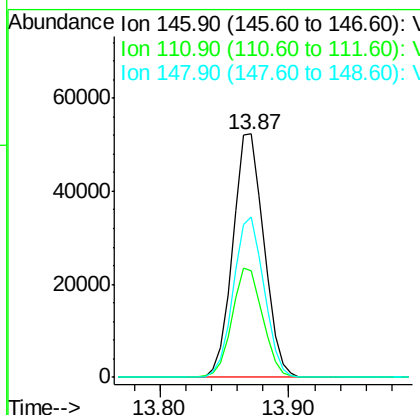
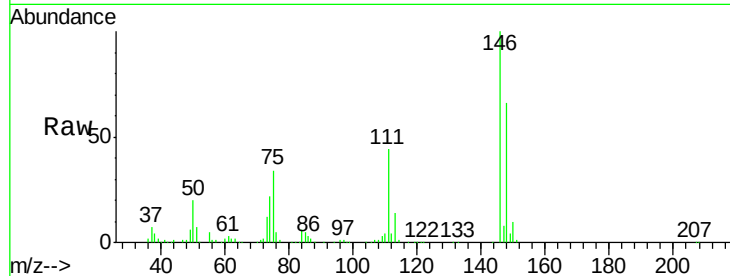
#91
 1,2-Dichlorobenzene
 Concen: 22.470 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Instrument :
 MSVOA_W
 ClientSampled :
 VW0901SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.2	63.6
148	64.9	32.5	97.4

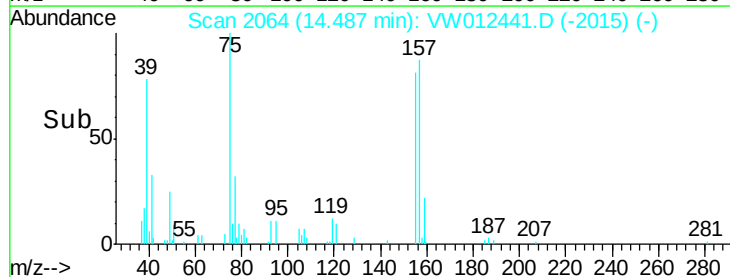
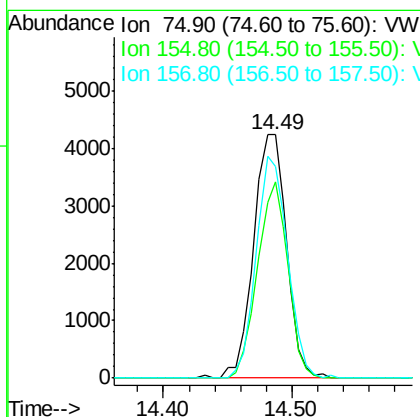
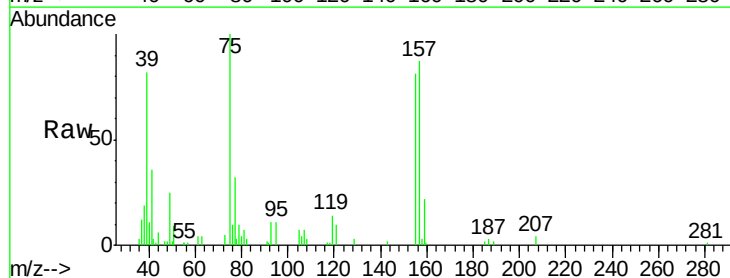
Manual Integrations
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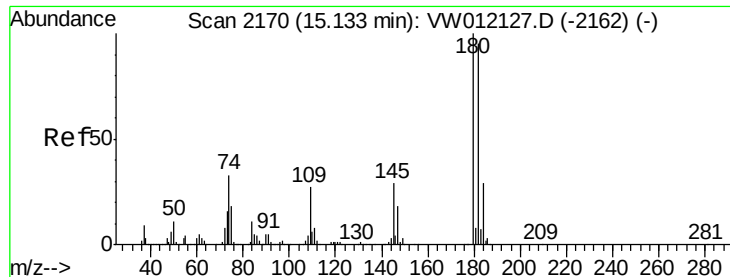
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.950 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	37.5	112.3
157	86.9	50.5	151.5





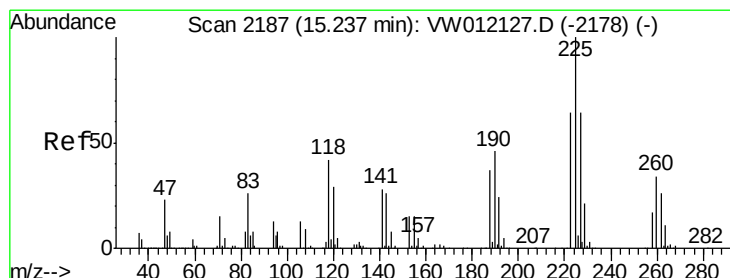
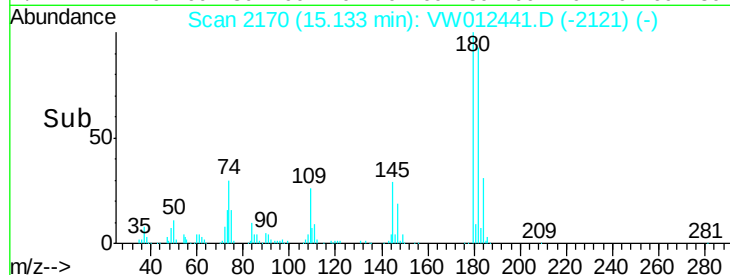
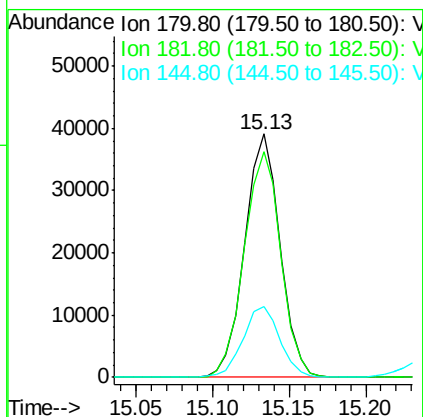
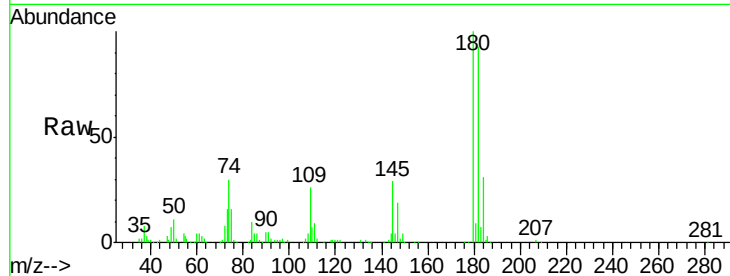
#93
 1,2,4-Trichlorobenzene
 Concen: 23.261 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62910		
182	95.6	47.8	143.4	
145	30.3	15.0	45.1	

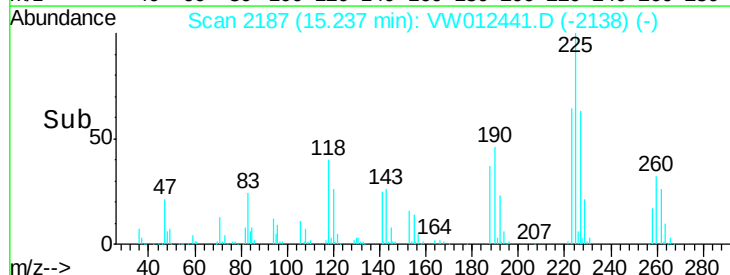
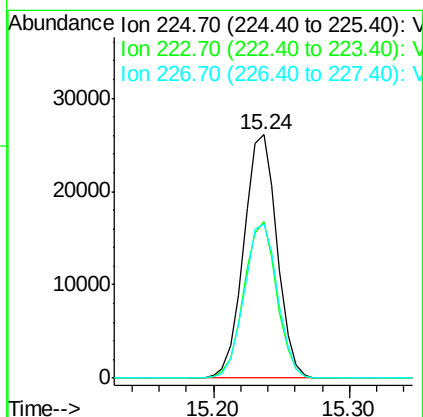
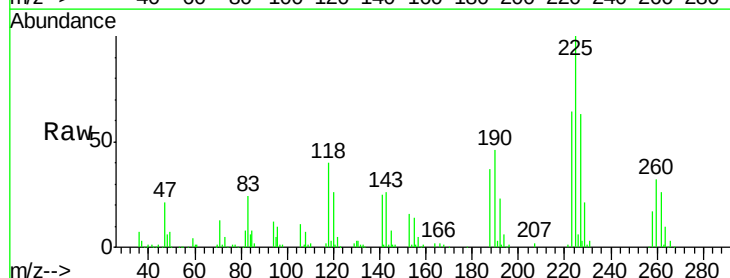
Manual Integrations
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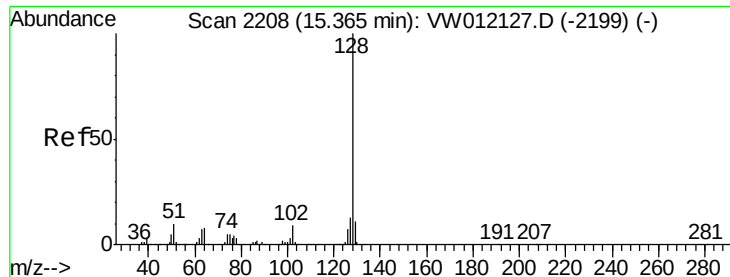
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#94
 Hexachlorobutadiene
 Concen: 24.930 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012441.D
 Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44520		
223	63.3	32.3	96.8	
227	63.9	32.9	98.6	





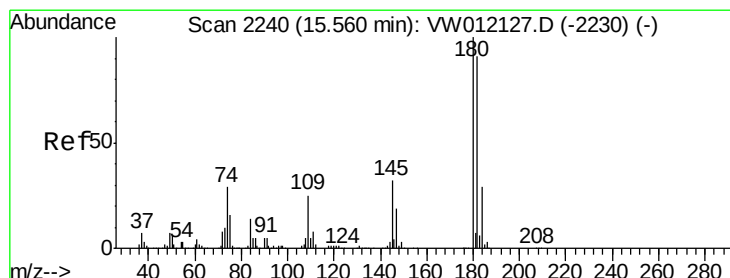
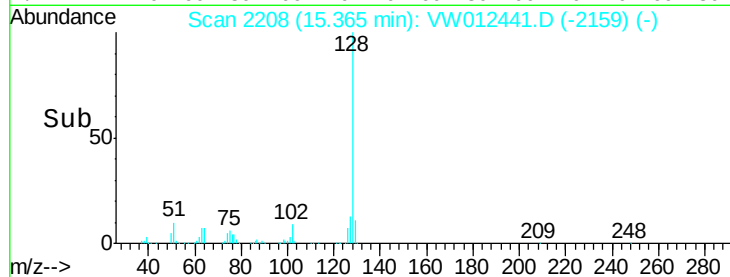
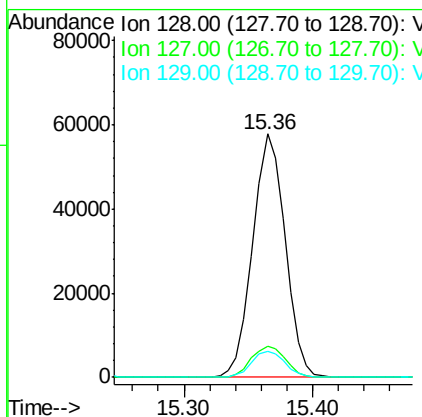
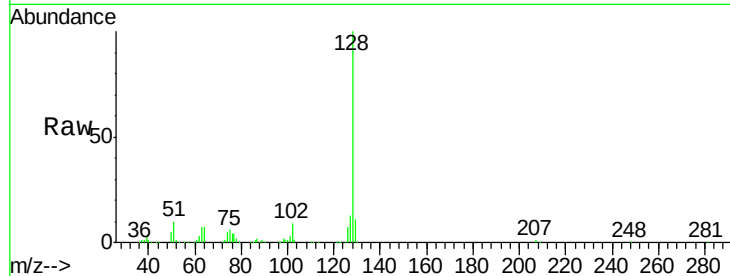
#95
Naphthalene
Concen: 21.676 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	100816		
127	13.7		10.7	16.1
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.624 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012441.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	53384		
182	95.3		47.1	141.3
145	33.7		16.2	48.5

