

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012416.D
 Acq On : 31 Aug 2019 23:18
 Operator : SY/VA
 Sample : VW0831SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:03 AM

Quant Time: Sep 01 04:58:42 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	200236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148663	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	126659	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
35) Dibromofluoromethane	7.88	113	98728	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.32	98	384308	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.62	95	140758	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	19542	15.850	ug/l	99
3) Chloromethane	2.21	50	37867	19.824	ug/l	100
4) Vinyl Chloride	2.35	62	41901	17.922	ug/l	100
5) Bromomethane	2.72	94	22377m	18.899	ug/l	
6) Chloroethane	2.89	64	25721	19.502	ug/l #	88
7) Trichlorofluoromethane	3.24	101	22335	19.025	ug/l	91
8) Diethyl Ether	3.68	74	23165	20.789	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37854	18.970	ug/l	98
10) Methyl Iodide	4.26	142	53392	19.775	ug/l	98
11) Tert butyl alcohol	5.17	59	17704	123.591	ug/l	99
12) 1,1-Dichloroethene	4.03	96	36399	18.123	ug/l	94
13) Acrolein	3.89	56	10434	77.380	ug/l	93
14) Allyl chloride	4.66	41	84106	19.588	ug/l	99
15) Acrylonitrile	5.36	53	62892	113.869	ug/l	99
16) Acetone	4.12	43	57748	94.909	ug/l	98
17) Carbon Disulfide	4.37	76	91562	15.084	ug/l	99
18) Methyl Acetate	4.67	43	38580	25.600	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	75527	23.253	ug/l	99
20) Methylene Chloride	4.90	84	49641	21.581	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	41762	19.390	ug/l	91
22) Diisopropyl ether	6.31	45	179586	22.564	ug/l	98
23) Vinyl Acetate	6.25	43	505962	103.298	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91528	21.121	ug/l	99
25) 2-Butanone	7.17	43	86566	104.697	ug/l	99
26) 2,2-Dichloropropane	7.17	77	48645	19.832	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	48256	20.971	ug/l	98
28) Bromochloromethane	7.51	49	41934	22.202	ug/l	99
29) Tetrahydrofuran	7.52	42	56449	113.795	ug/l	99
30) Chloroform	7.67	83	88601	22.347	ug/l	97
31) Cyclohexane	7.95	56	72929	17.010	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	66999	21.362	ug/l	100
36) 1,1-Dichloropropene	8.08	75	63788	18.595	ug/l	100
37) Ethyl Acetate	7.26	43	40502	21.546	ug/l	99
38) Carbon Tetrachloride	8.07	117	57541	19.380	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63145	16.385	ug/l	99
40) Benzene	8.32	78	187101	19.975	ug/l	100
41) Methacrylonitrile	7.48	41	24396	22.082	ug/l	96
42) 1,2-Dichloroethane	8.40	62	65336	22.256	ug/l	100
43) Isopropyl Acetate	8.42	43	74480	21.390	ug/l	99
44) Trichloroethene	9.09	130	44142	19.386	ug/l	96
45) 1,2-Dichloropropane	9.37	63	52585	20.860	ug/l	92
46) Dibromomethane	9.46	93	24321	21.684	ug/l	98
47) Bromodichloromethane	9.64	83	62993	21.102	ug/l	99
48) Methyl methacrylate	9.43	41	35001	21.120	ug/l	96
49) 1,4-Dioxane	9.45	88	8036	468.006	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	197160	111.325	ug/l	98
52) Toluene	10.38	92	114064	20.271	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	62612	20.591	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	72848	19.842	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	34633	21.824	ug/l	97
56) Ethyl methacrylate	10.65	69	48335	20.927	ug/l	99
57) 1,3-Dichloropropane	10.93	76	64655	21.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	122388	103.249	ug/l	100
59) 2-Hexanone	10.97	43	132380	105.641	ug/l	98
60) Dibromochloromethane	11.13	129	38588	21.831	ug/l	100
61) 1,2-Dibromoethane	11.23	107	32440	21.942	ug/l	99
64) Tetrachloroethene	10.86	164	38961	20.249	ug/l	95
65) Chlorobenzene	11.66	112	118284	20.241	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	42617	20.904	ug/l	99
67) Ethyl Benzene	11.73	91	221397	19.667	ug/l	99
68) m/p-Xylenes	11.84	106	160247	39.519	ug/l	99
69) o-Xylene	12.16	106	76155	20.292	ug/l	99
70) Styrene	12.18	104	132362	20.376	ug/l	98
71) Bromoform	12.35	173	21422	21.090	ug/l #	100
73) Isopropylbenzene	12.46	105	207735	18.648	ug/l	99
74) N-amyl acetate	12.27	43	68837	20.453	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41200	20.174	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29080m	20.085	ug/l	
77) Bromobenzene	12.74	156	48856	20.273	ug/l	98
78) n-propylbenzene	12.80	91	254649	18.725	ug/l	99
79) 2-Chlorotoluene	12.89	91	148972	19.295	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	181502	19.499	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	11899	18.019	ug/l	95
82) 4-Chlorotoluene	12.99	91	157013	19.422	ug/l	99
83) tert-Butylbenzene	13.21	119	153453	19.462	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	182709	19.540	ug/l	100
85) sec-Butylbenzene	13.38	105	213234	18.876	ug/l	100
86) p-Isopropyltoluene	13.50	119	192604	19.092	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	93291	19.791	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	93708	20.021	ug/l	99
89) n-Butylbenzene	13.82	91	183694	18.310	ug/l	100
90) Hexachloroethane	14.09	117	33422	18.883	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	84037	20.323	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7152	20.774	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	56543	19.787	ug/l	99
94) Hexachlorobutadiene	15.24	225	38078	20.180	ug/l	98
95) Naphthalene	15.36	128	96271	20.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	49697	19.933	ug/l	99

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

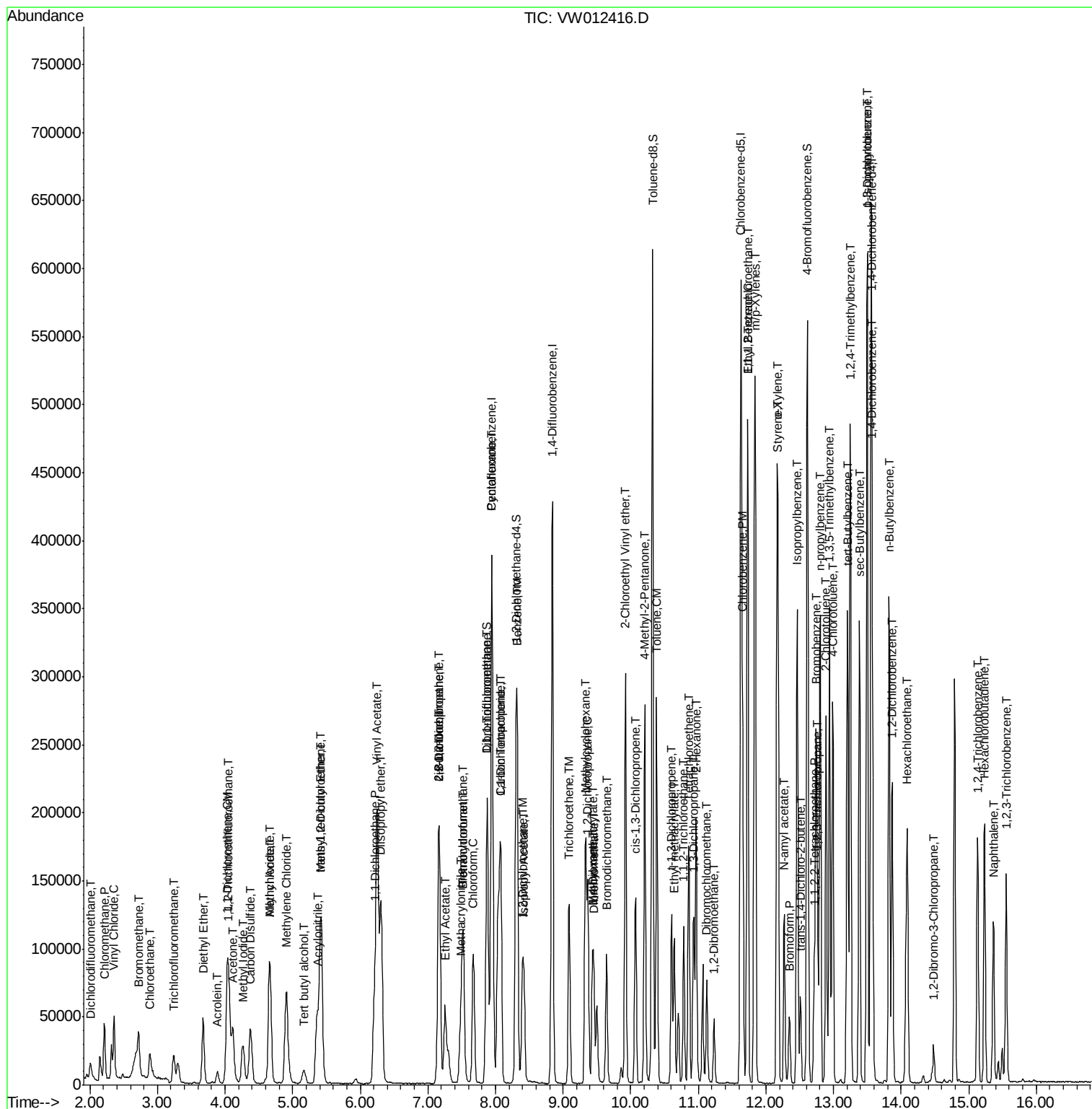
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Data File : VW012416.D
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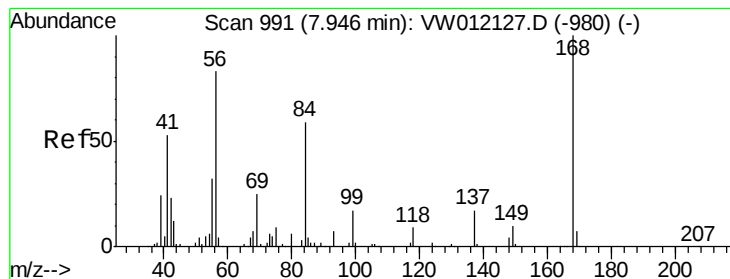
Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleID :

VW0831SBS02

Tot Ion:168 Resp: 200236

Ion Ratio Lower Upper

168 100

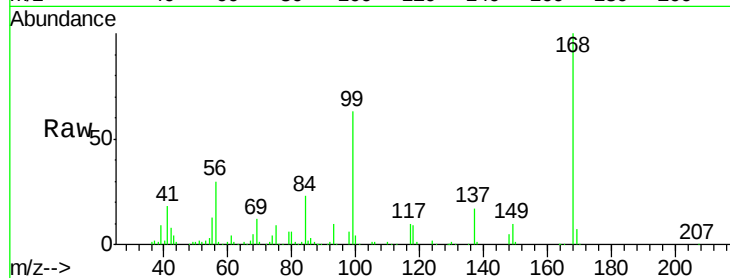
99 62.6 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

9/3/2019 2:42:03 AM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

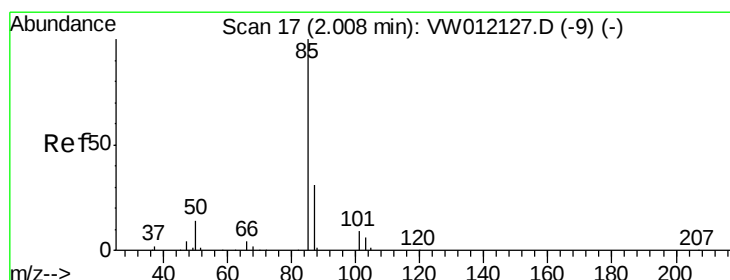
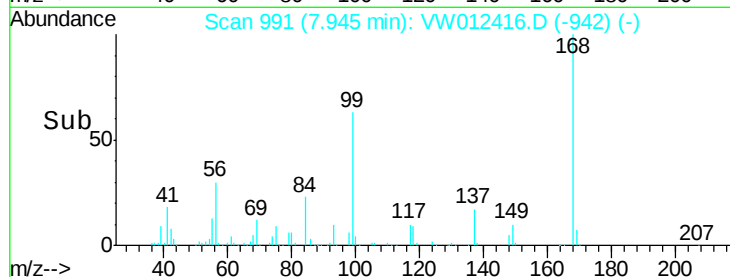
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 15.850 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012416.D

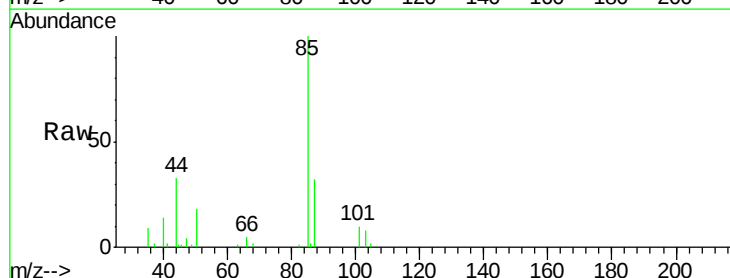
Acq: 31 Aug 2019 23:18

Tgt Ion: 85 Resp: 19542

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

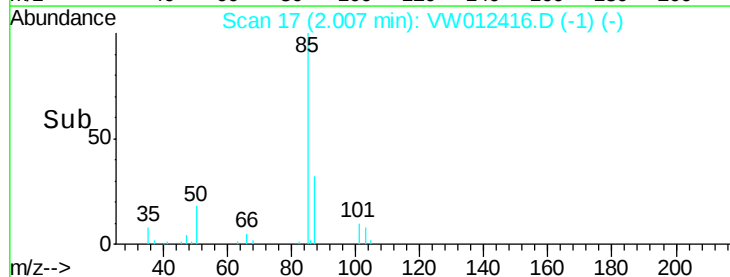
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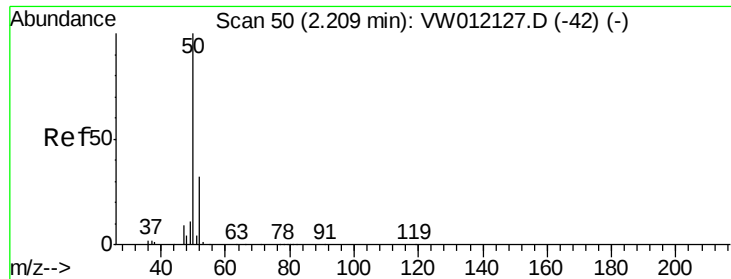
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.824 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 50 Resp: 37867

Ion Ratio Lower Upper

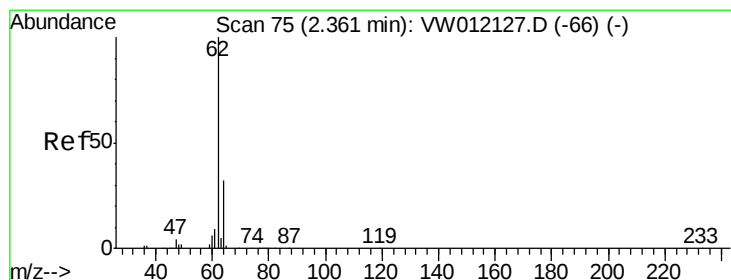
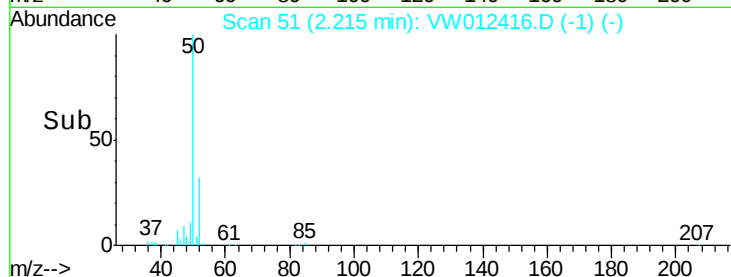
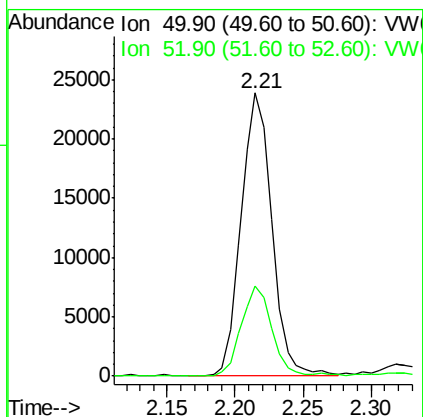
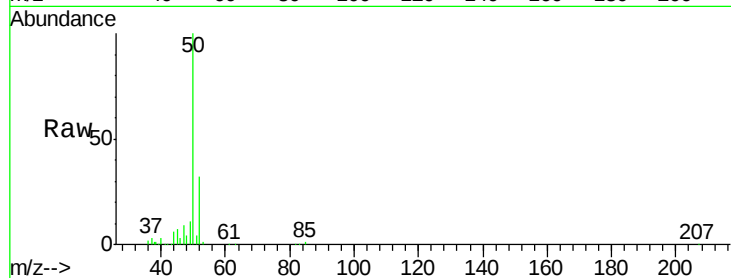
50 100

52 32.0 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.922 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012416.D

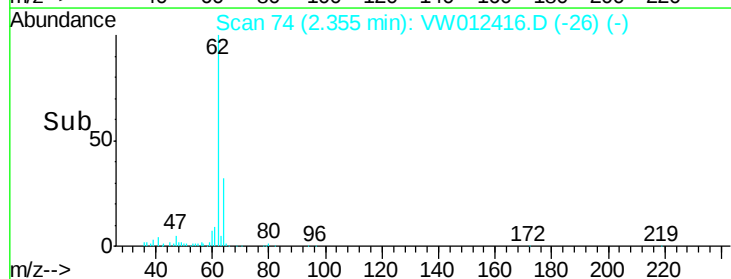
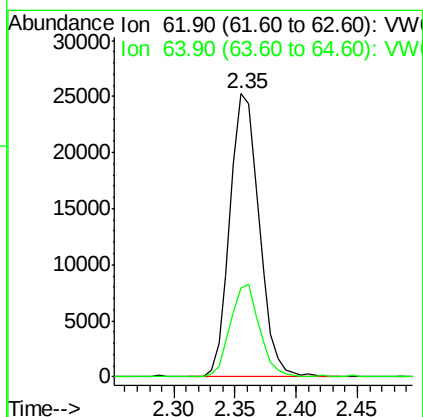
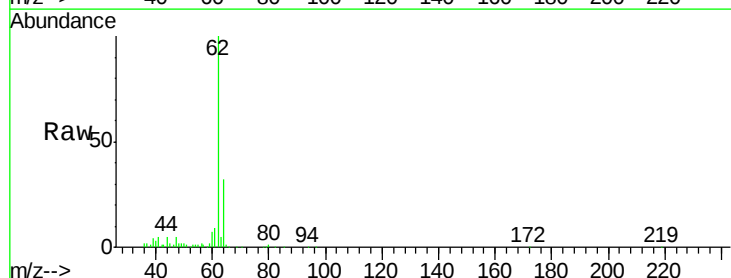
Acq: 31 Aug 2019 23:18

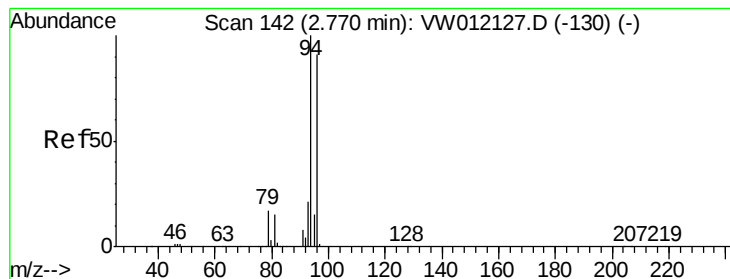
Tgt Ion: 62 Resp: 41901

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 18.899 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 94 Resp: 22377

Ion Ratio Lower Upper

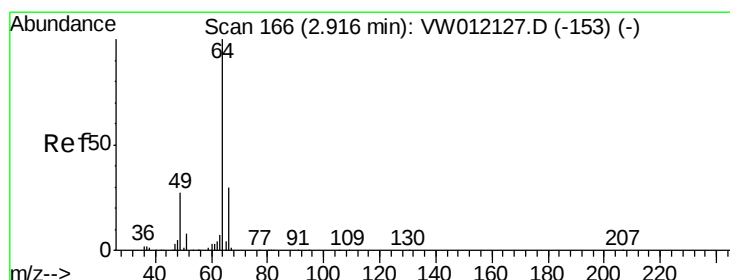
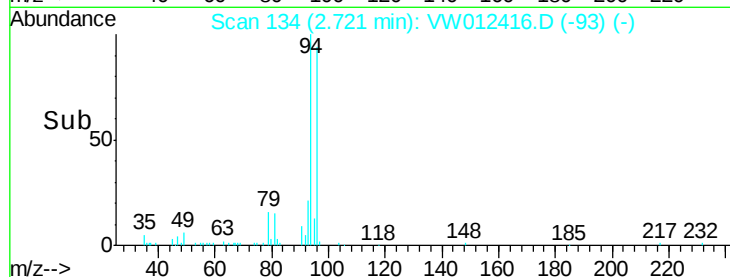
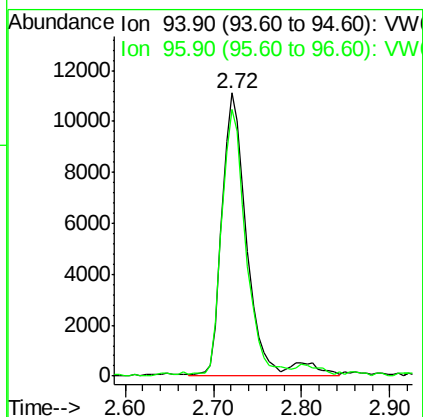
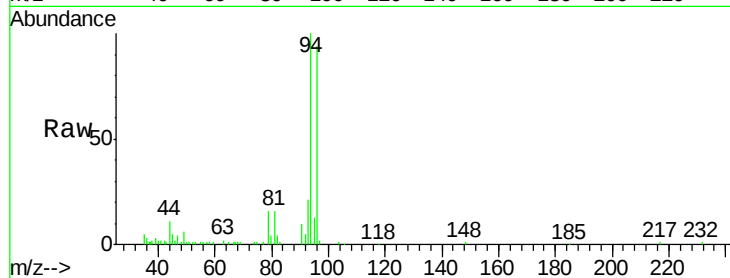
94 100

96 94.3 72.9 109.3

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#6

Chloroethane

Concen: 19.502 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW012416.D

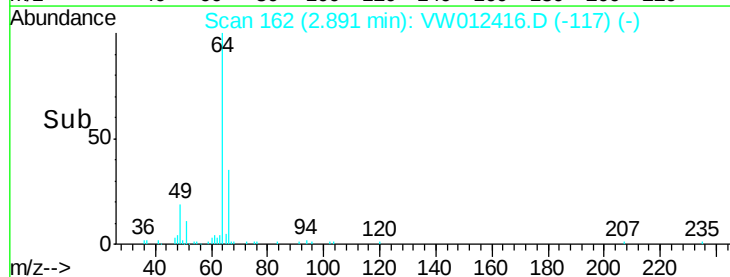
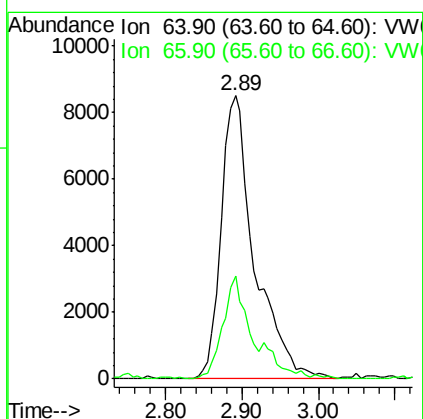
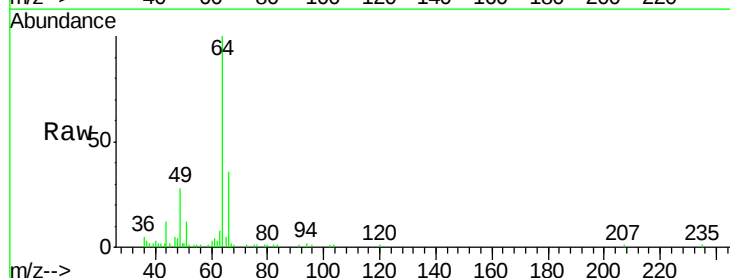
Acq: 31 Aug 2019 23:18

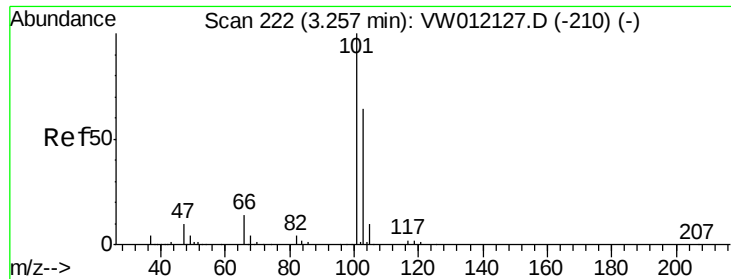
Tgt Ion: 64 Resp: 25721

Ion Ratio Lower Upper

64 100

66 36.2 23.8 35.8#





#7

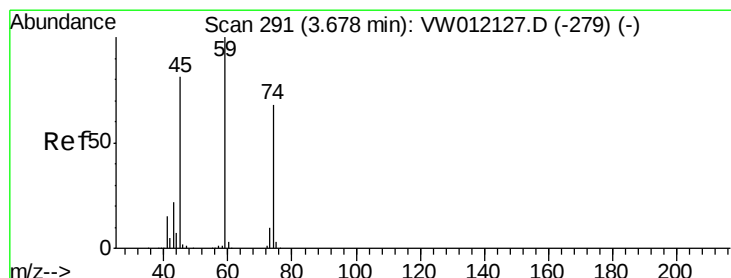
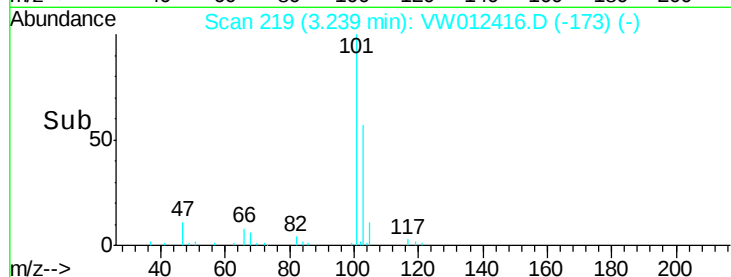
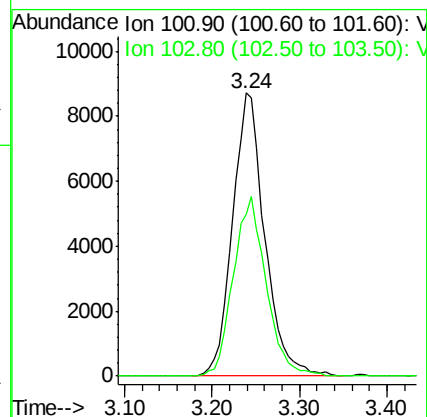
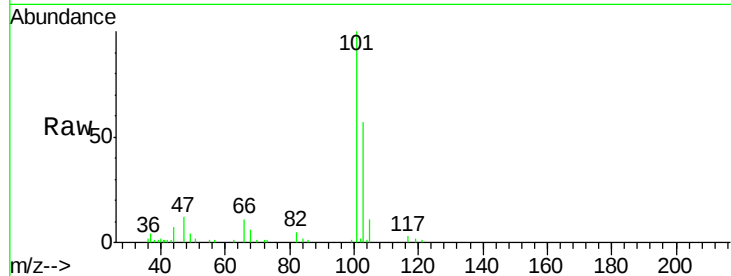
Trichlorofluoromethane
Concen: 19.025 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.02 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	57.1	51.2	76.8

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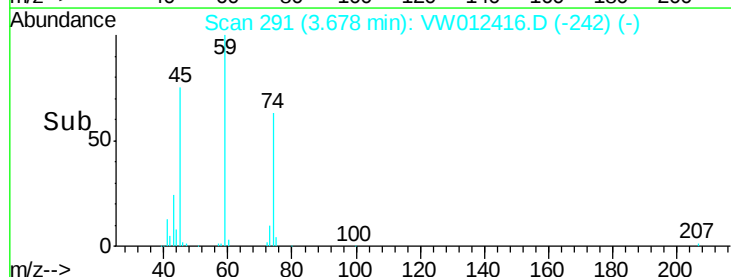
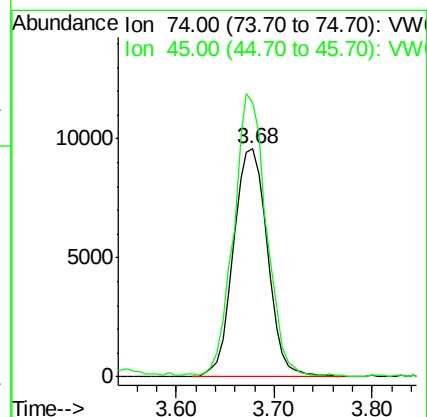
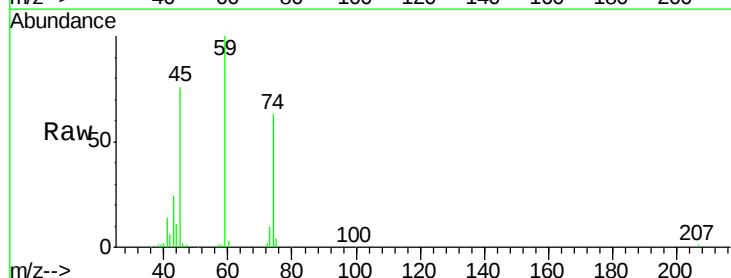
MMDadoda
9/3/2019 2:42:03 AM

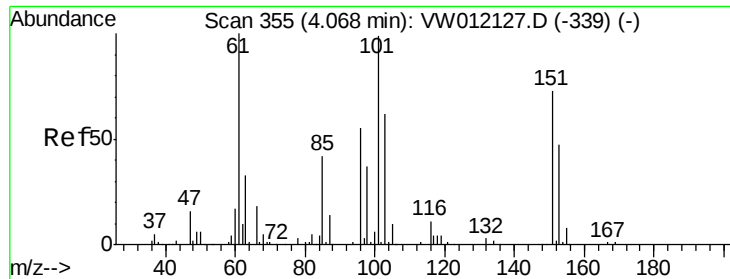


#8

Diethyl Ether
Concen: 20.789 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.6	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.970 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

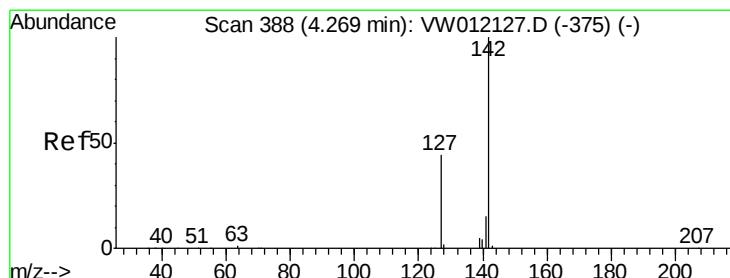
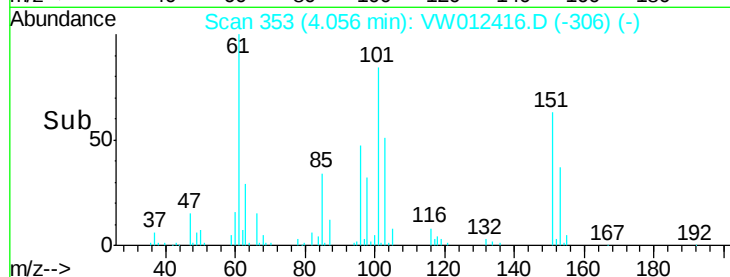
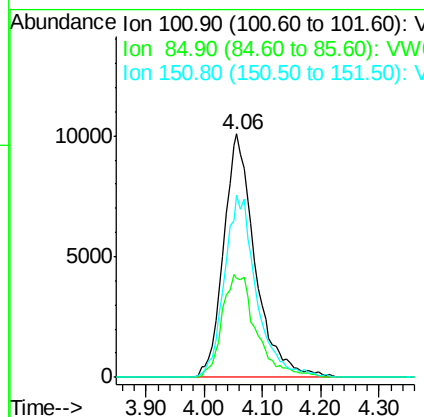
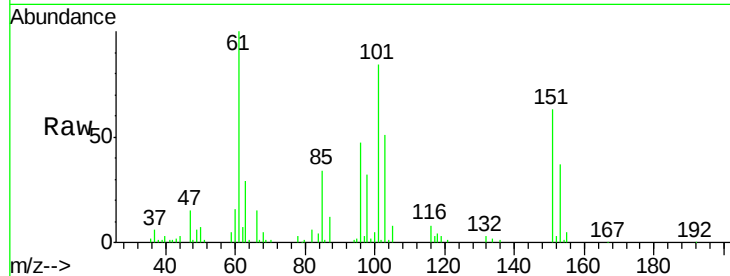
ClientSampleId :

VW0831SBS02

Tot Ion:	101	Resp:	37854
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.8	53.6
151	75.7	58.6	87.8

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#10

Methyl Iodide

Concen: 19.775 ug/l

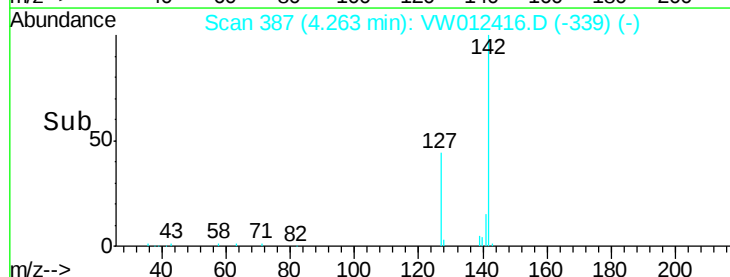
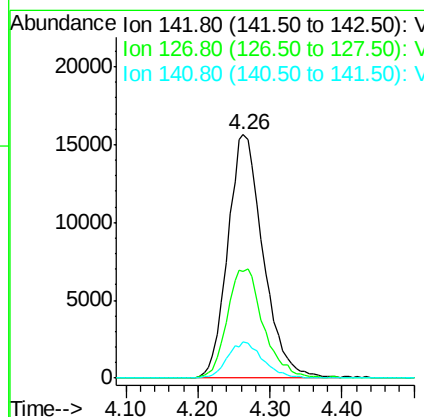
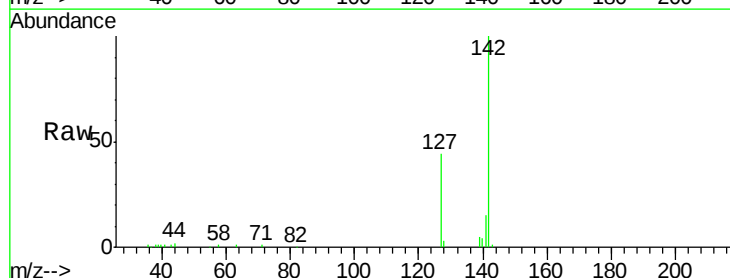
RT: 4.26 min Scan# 387

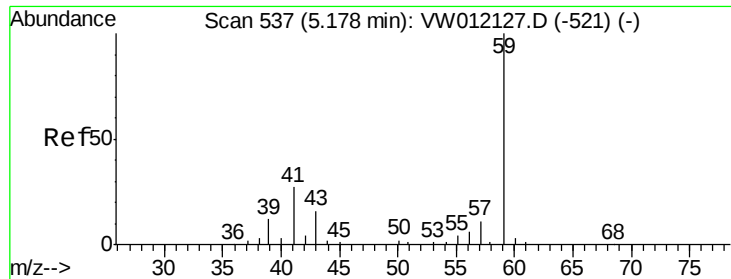
Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion:	142	Resp:	53392
Ion Ratio	Lower	Upper	
142	100		
127	46.0	35.5	53.3
141	14.9	11.8	17.8





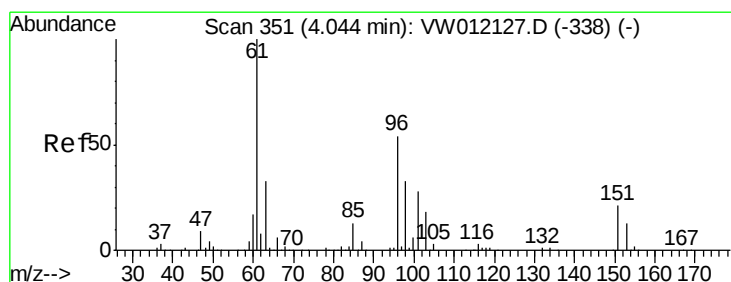
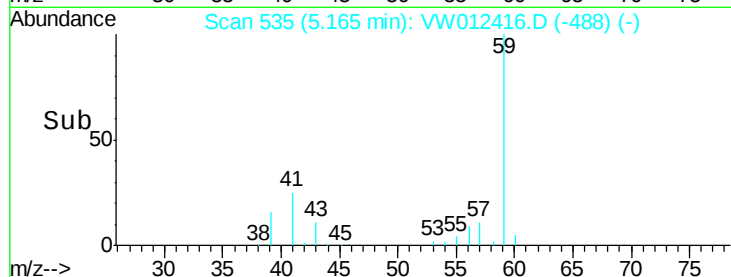
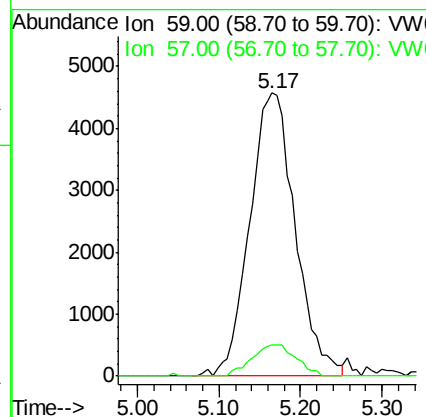
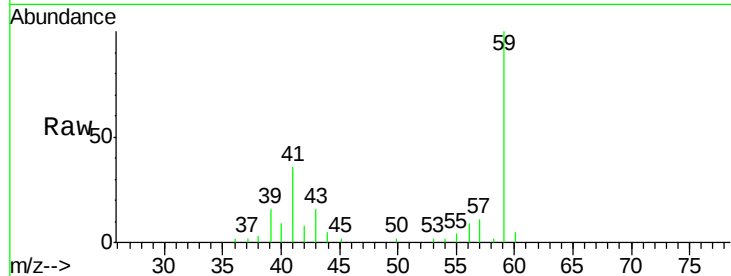
#11
Tert butyl alcohol
Concen: 123.591 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.4

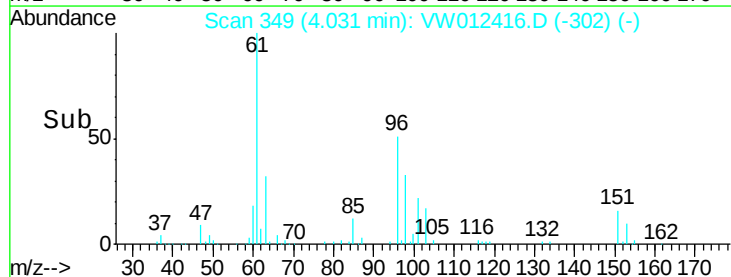
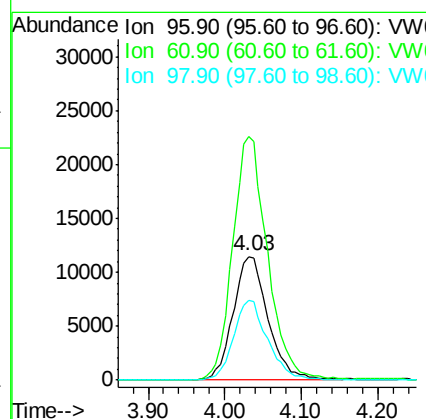
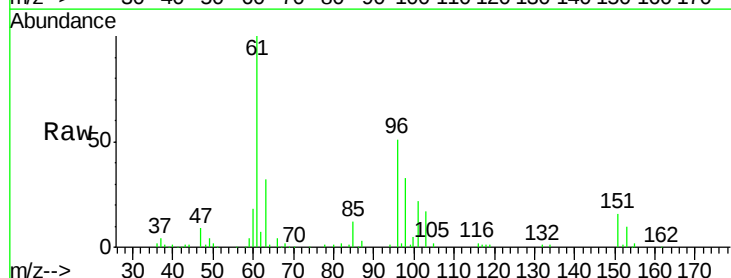
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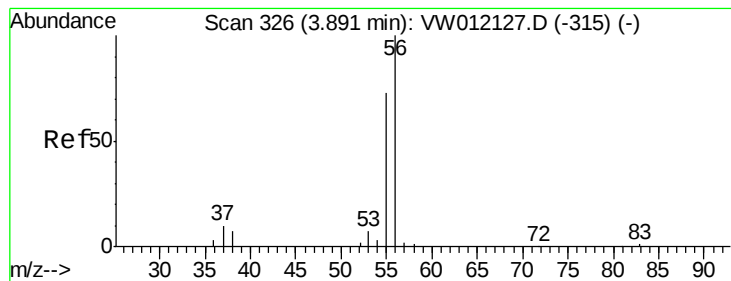
MMDadoda
9/3/2019 2:42:03 AM



#12
1,1-Dichloroethene
Concen: 18.123 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.2	149.1	223.7
98	64.4	49.4	74.2





#13

Acrolein

Concen: 77.380 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 56 Resp: 10434

Ion Ratio Lower Upper

56 100

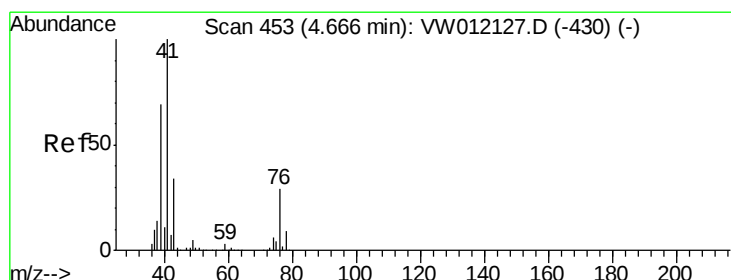
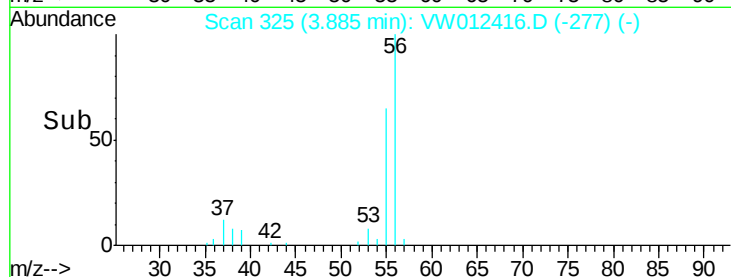
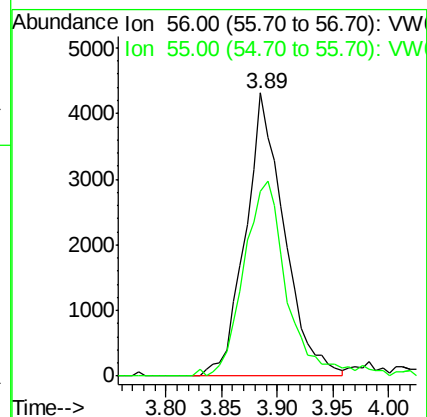
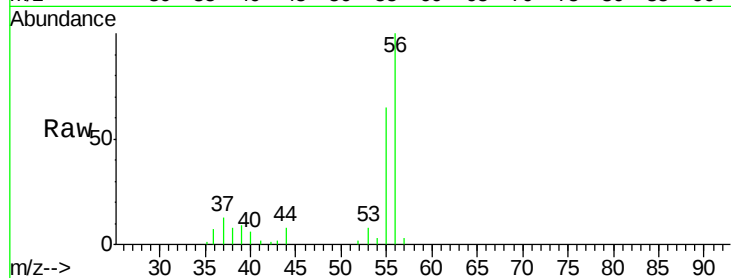
55 75.6 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.588 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

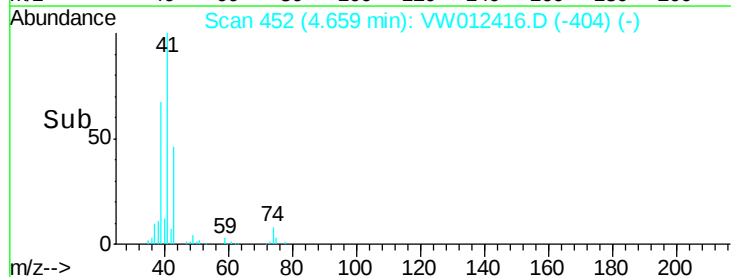
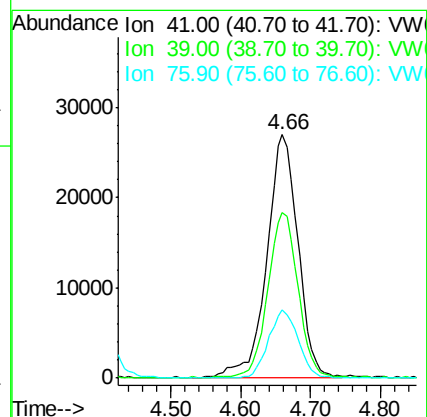
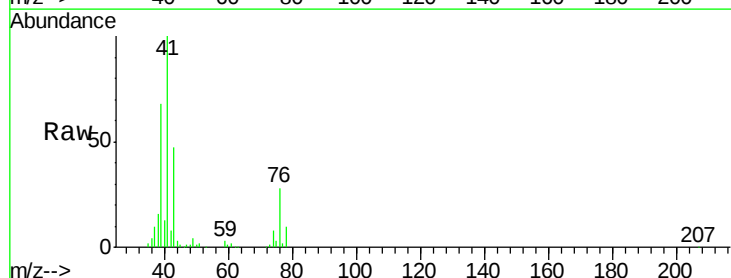
Tgt Ion: 41 Resp: 84106

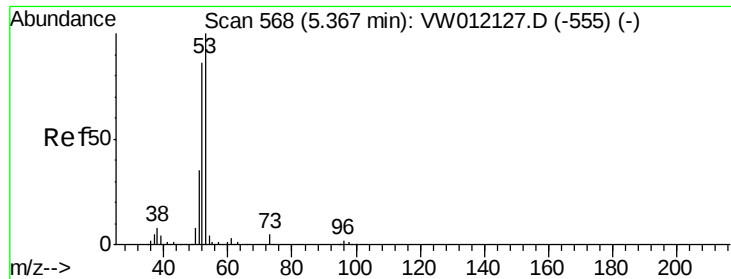
Ion Ratio Lower Upper

41 100

39 66.3 53.4 80.2

76 26.6 22.1 33.1





#15

Acrylonitrile

Concen: 113.869 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

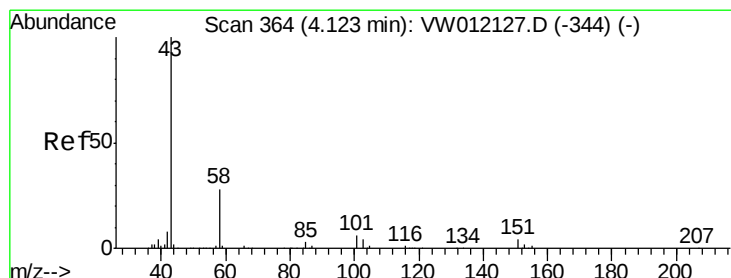
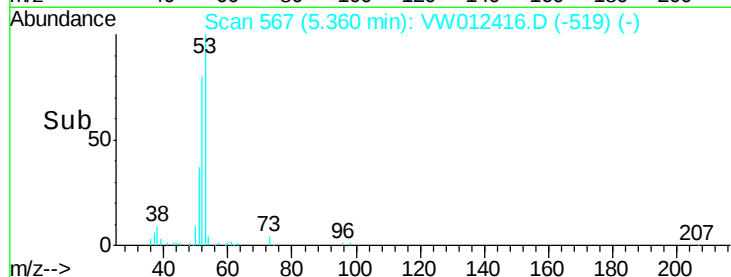
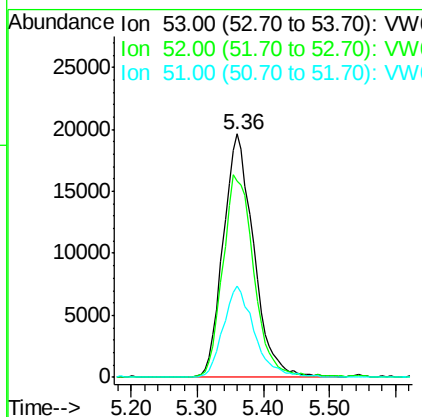
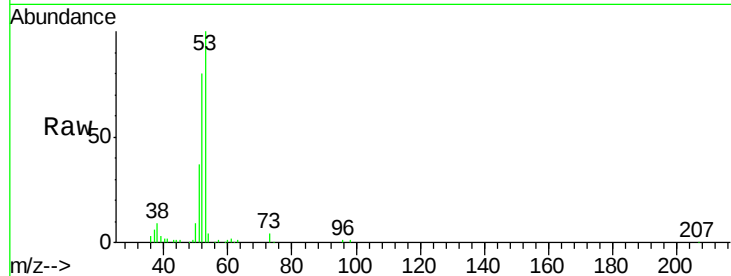
ClientSampleId :

VW0831SBS02

Tot Ion:	53	Resp:	62892
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.7	100.1
51	38.3	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 94.909 ug/l

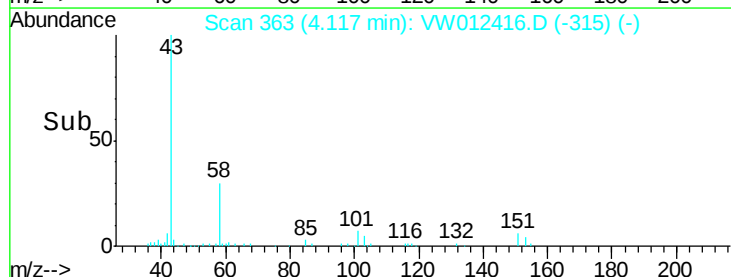
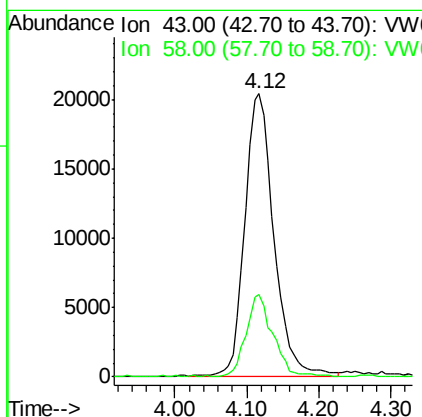
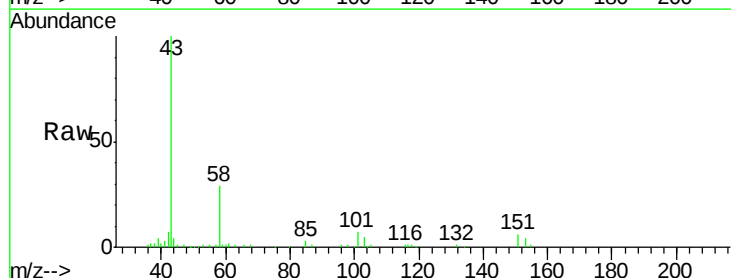
RT: 4.12 min Scan# 363

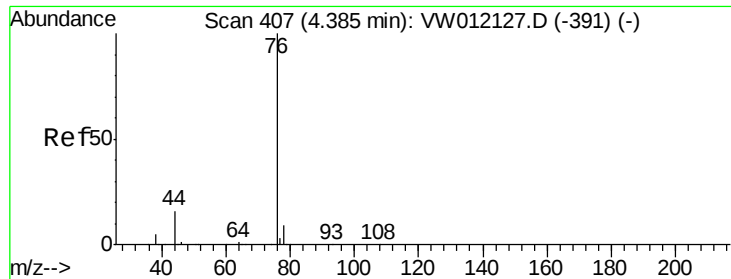
Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion:	43	Resp:	57748
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.4	33.6





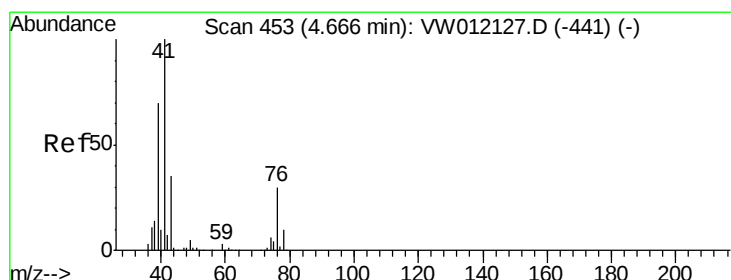
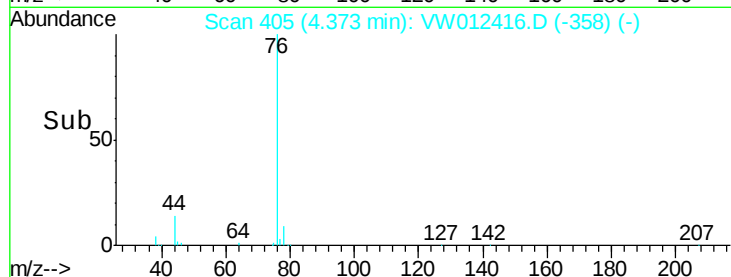
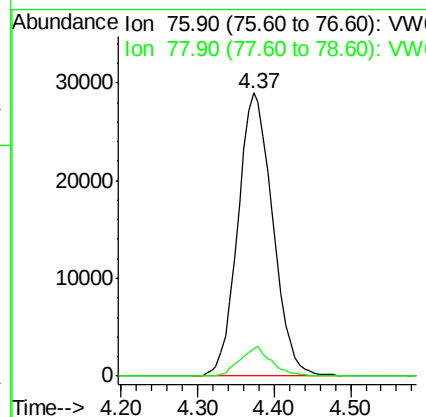
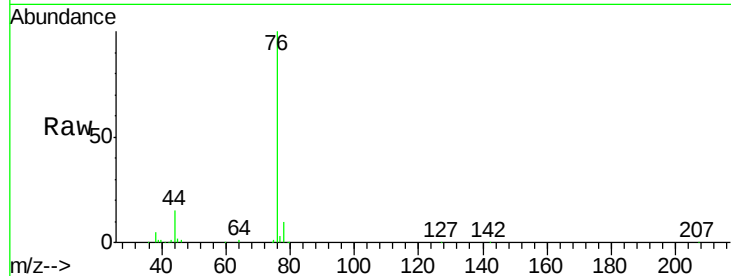
#17
Carbon Disulfide
Concen: 15.084 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

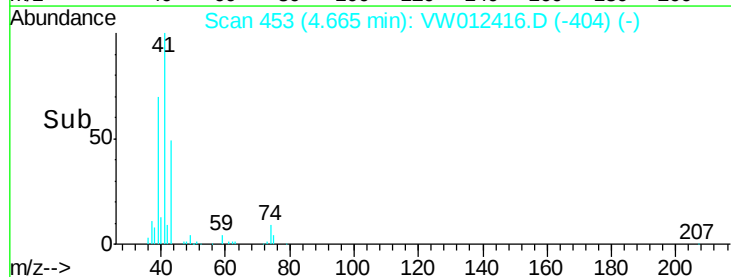
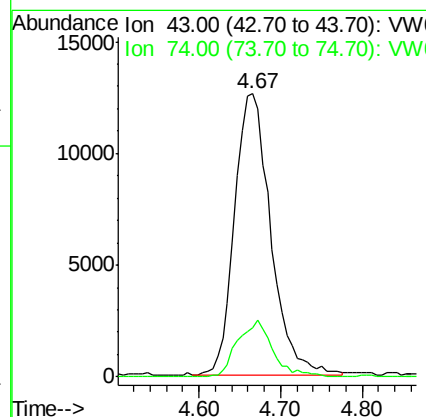
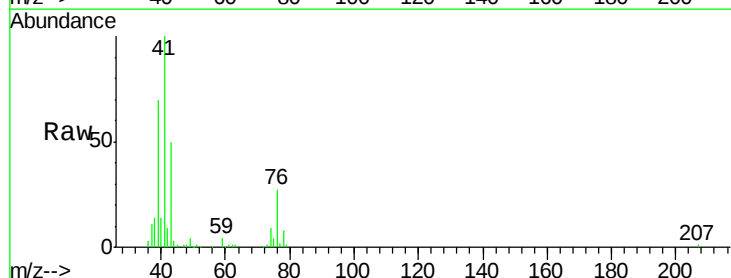
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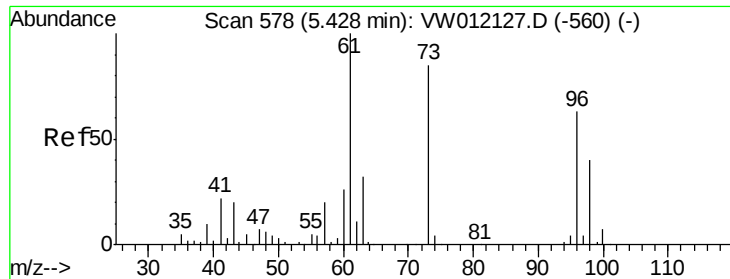
MMDadoda
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#18
Methyl Acetate
Concen: 25.600 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.7	23.5





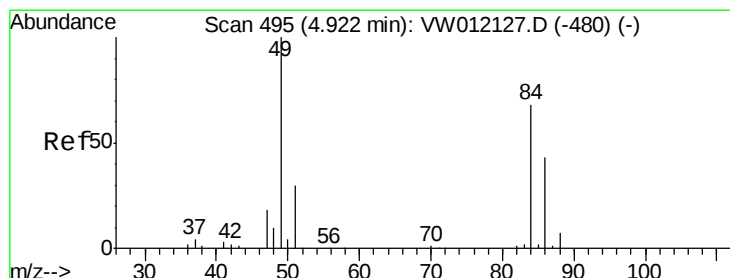
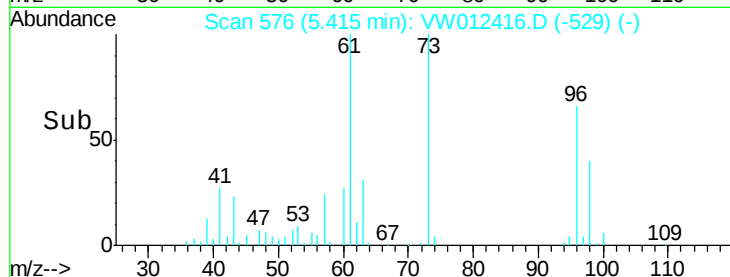
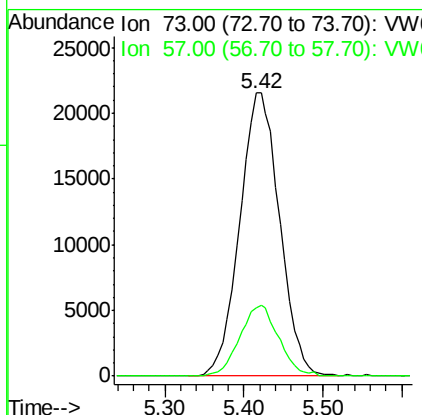
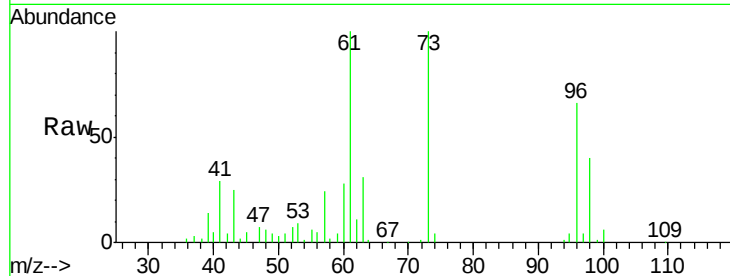
#19
Methvl tert-butvl Ether
Concen: 23.253 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampled :
VW0831SBS02

Tot Ion: 73 Resp: 75527
Ion Ratio Lower Upper
73 100
57 24.3 18.9 28.3

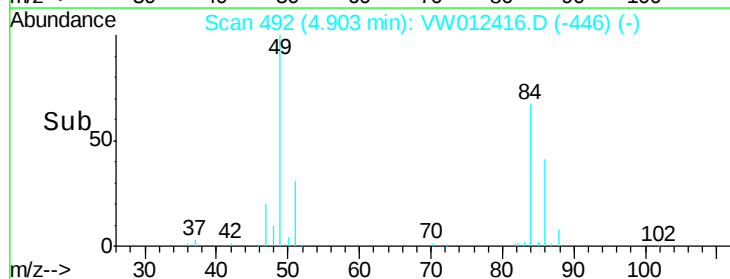
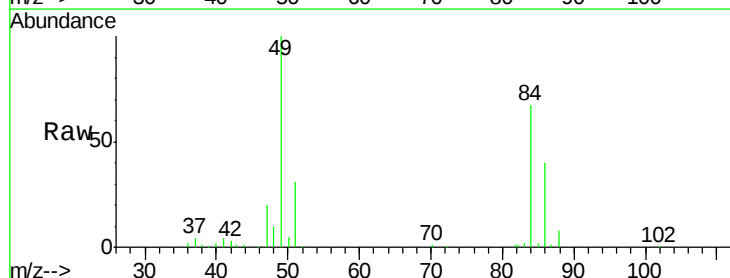
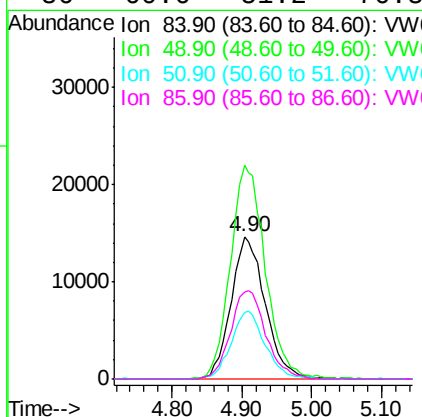
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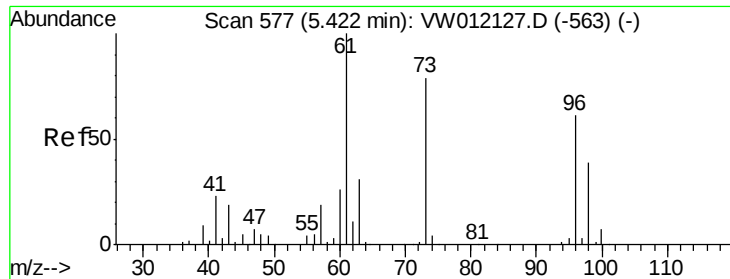
MMDadoda
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#20
Methylene Chloride
Concen: 21.581 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion: 84 Resp: 49641
Ion Ratio Lower Upper
84 100
49 149.4 117.8 176.8
51 46.7 35.6 53.4
86 60.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.390 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 96 Resp: 41762

Ion Ratio Lower Upper

96 100

61 150.5 131.4 197.0

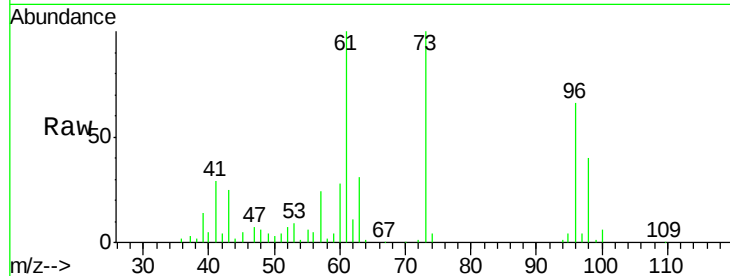
98 60.7 51.4 77.0

Manual Integrations

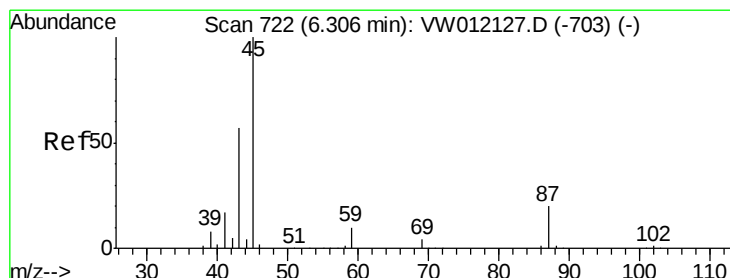
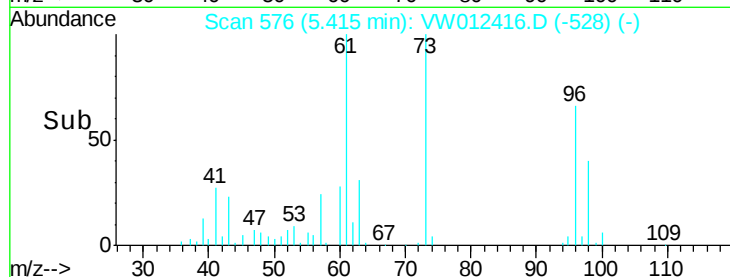
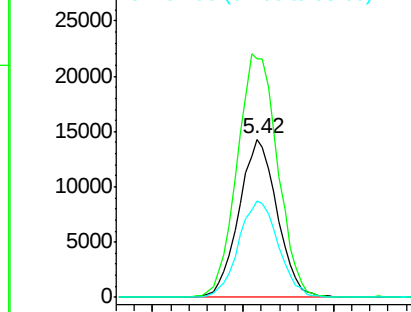
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.564 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion: 45 Resp: 179586

Ion Ratio Lower Upper

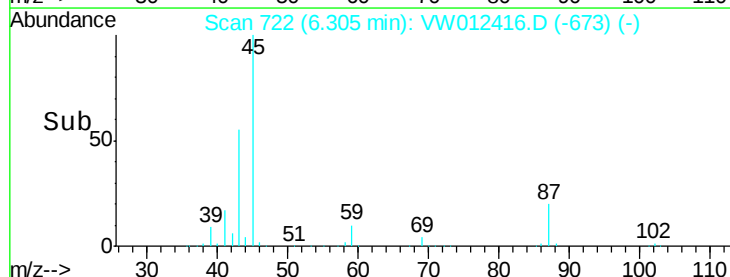
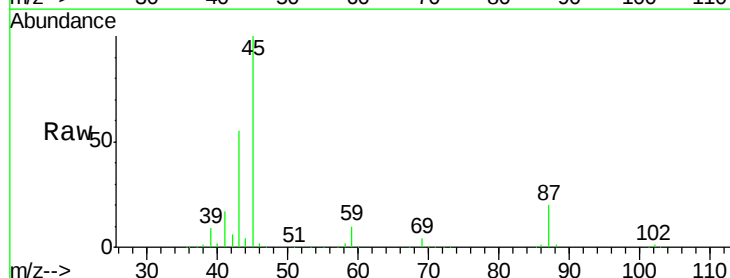
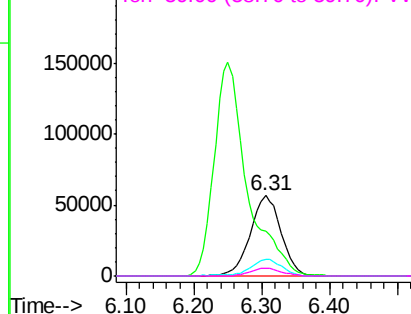
45 100

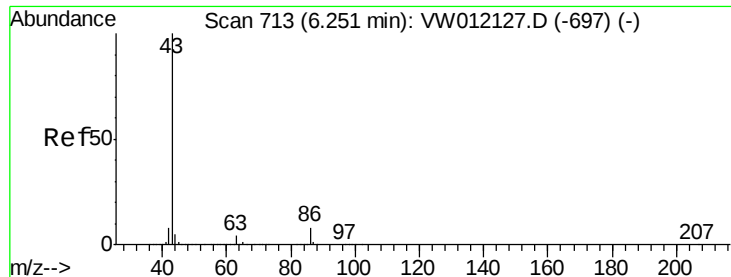
43 54.7 45.5 68.3

87 20.4 16.1 24.1

59 9.7 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: 103.298 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 43 Resp: 505962

Ion Ratio Lower Upper

43 100

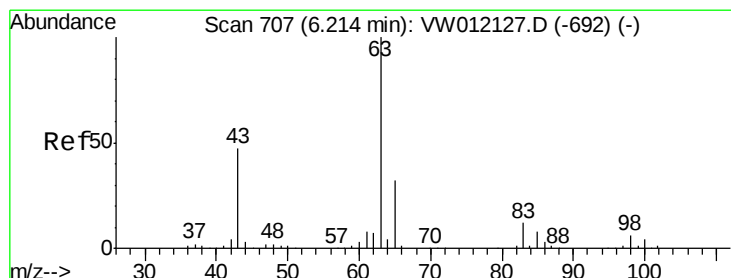
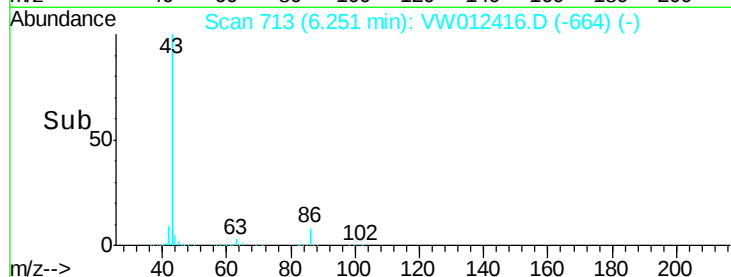
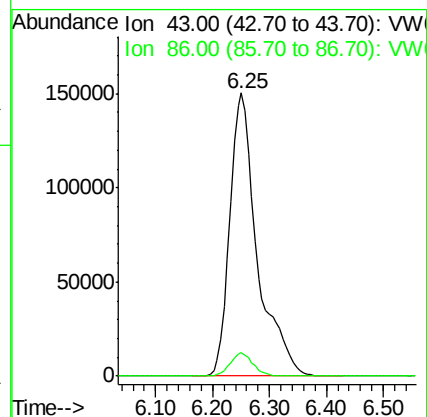
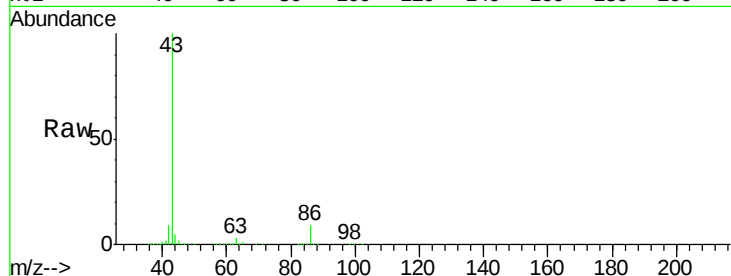
86 8.5 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.121 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

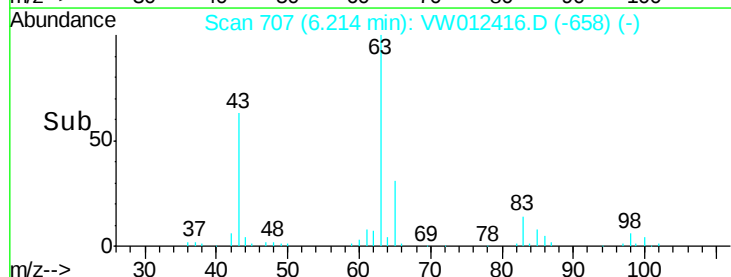
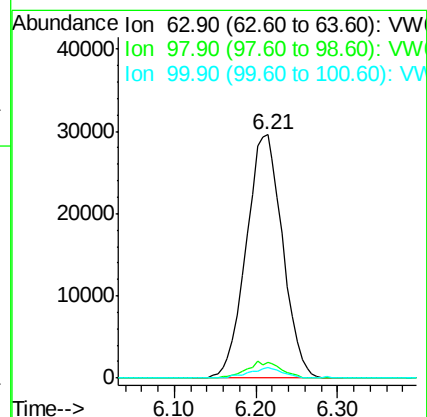
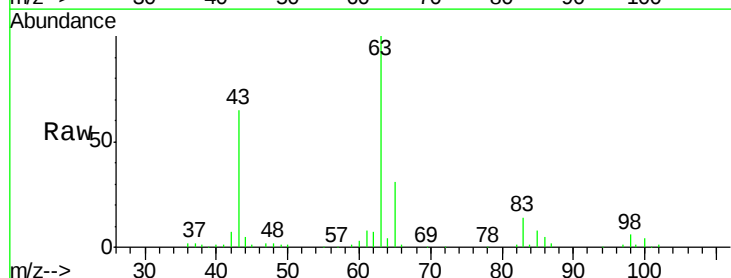
Tgt Ion: 63 Resp: 91528

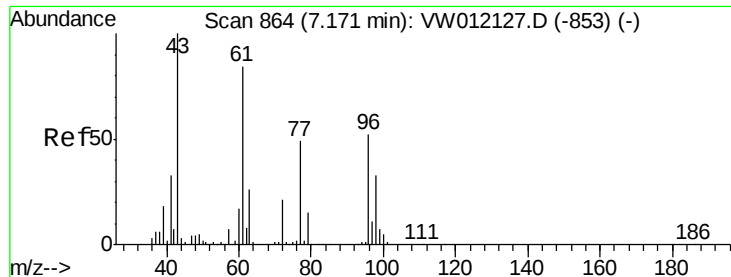
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 104.697 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 43 Resp: 86566

Ion Ratio Lower Upper

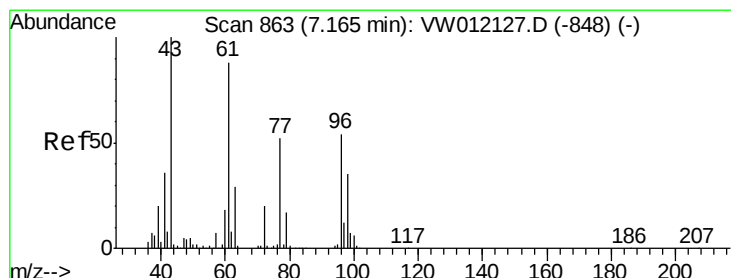
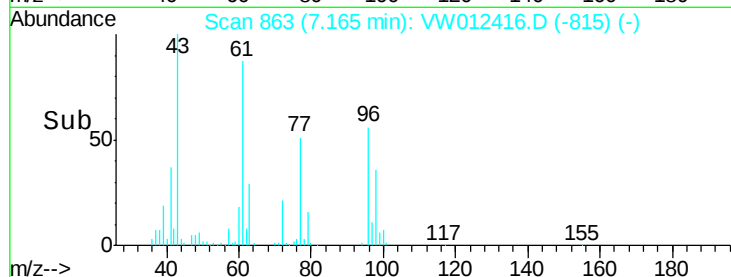
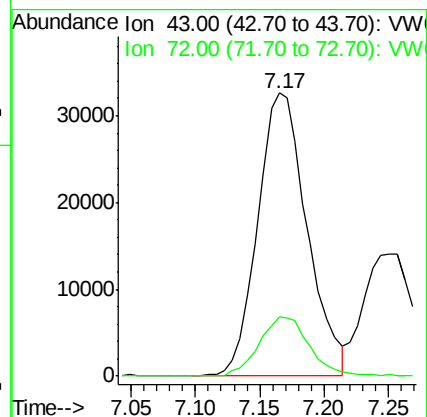
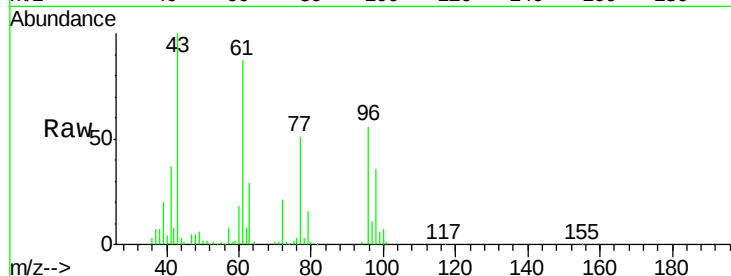
43 100

72 21.0 16.6 24.8

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9/3/2019 2:42:03 AM



#26

2,2-Dichloropropane

Concen: 19.832 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012416.D

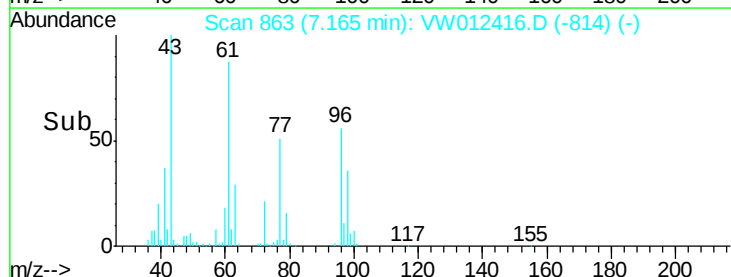
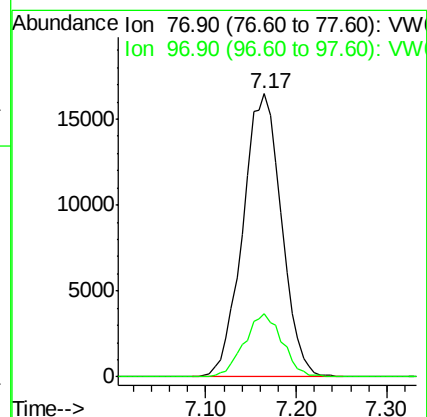
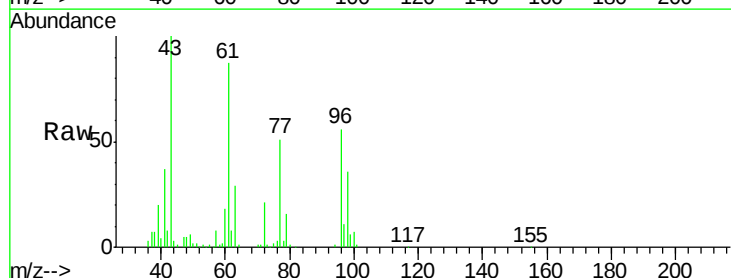
Acq: 31 Aug 2019 23:18

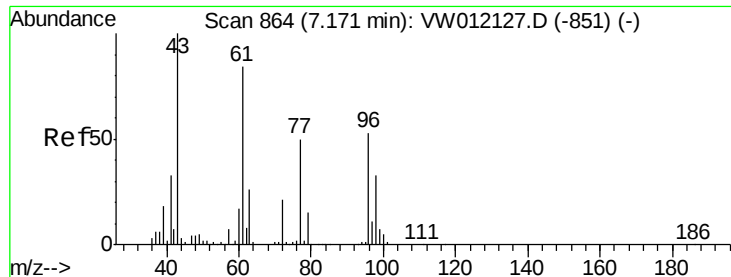
Tgt Ion: 77 Resp: 48645

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.1





#27

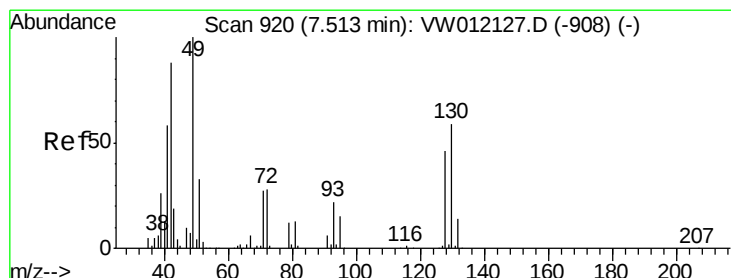
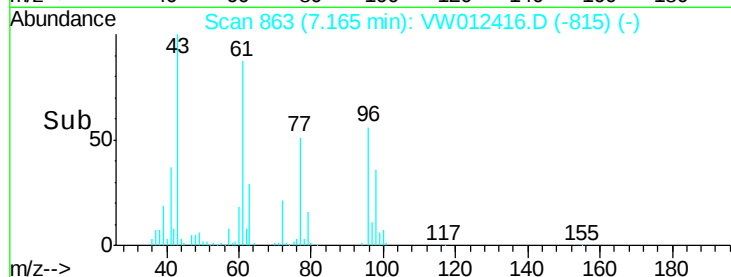
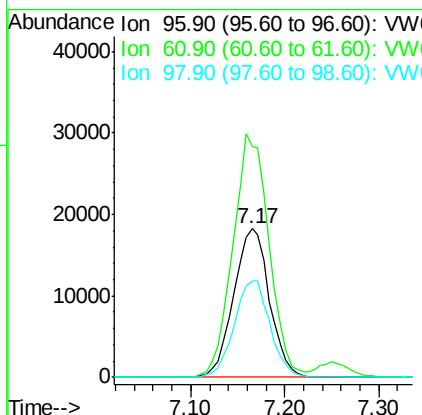
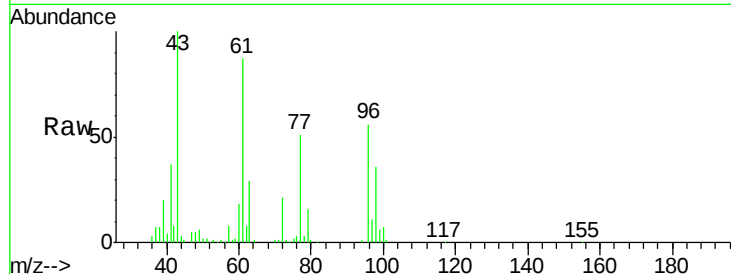
cis-1,2-Dichloroethene
Concen: 20.971 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.6	0.0	326.6	
98	65.1	0.0	127.4	

Manual Integrations
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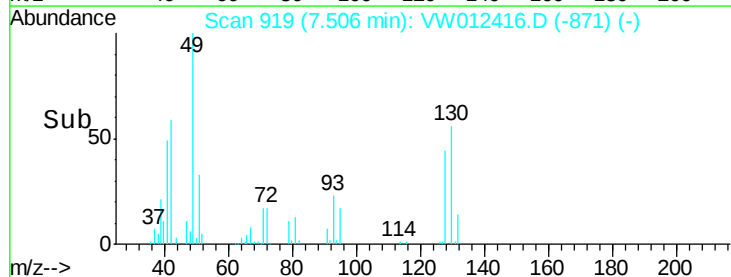
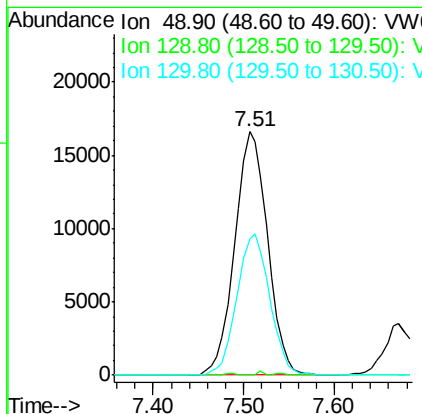
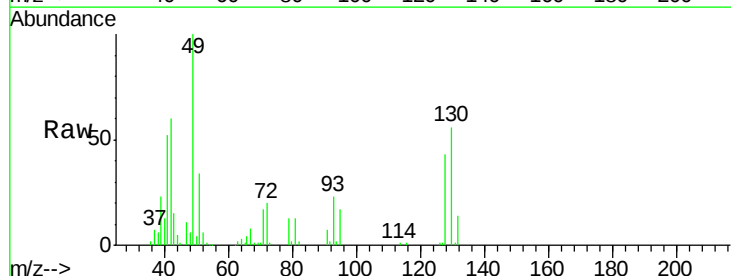
MMDadoda
9/3/2019 2:42:03 AM

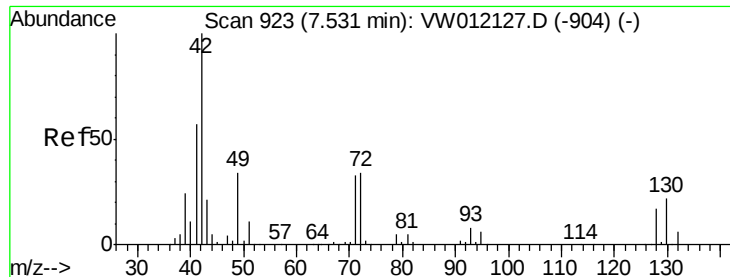


#28

Bromochloromethane
Concen: 22.202 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.3	0.0	1.4	
130	57.9	45.5	68.3	





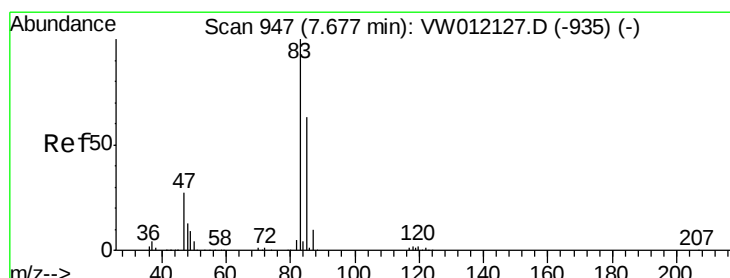
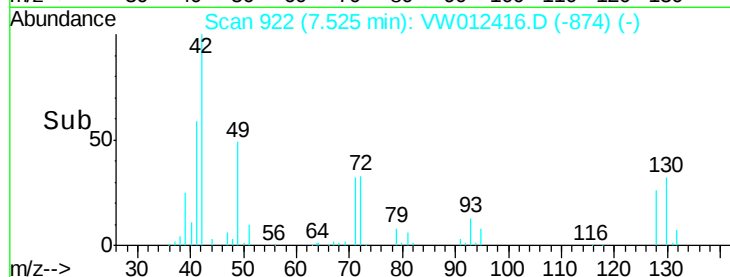
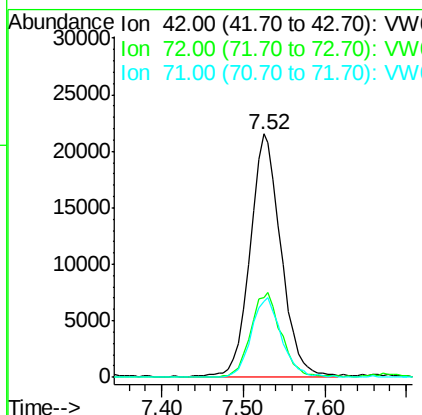
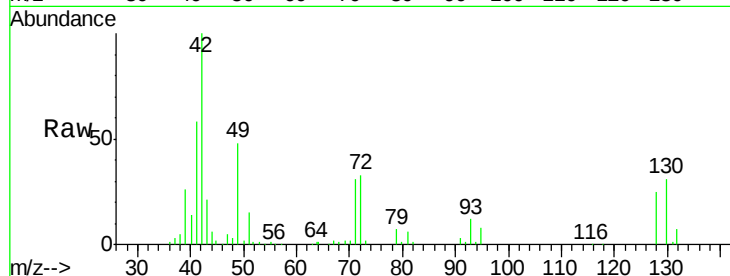
#29
Tetrahydrofuran
Concen: 113.795 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion:	42	Resp:	56449
Ion Ratio		Lower	Upper
42	100		
72	34.5	27.3	40.9
71	32.5	25.5	38.3

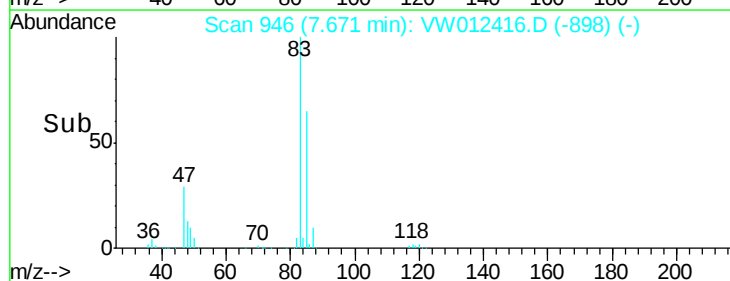
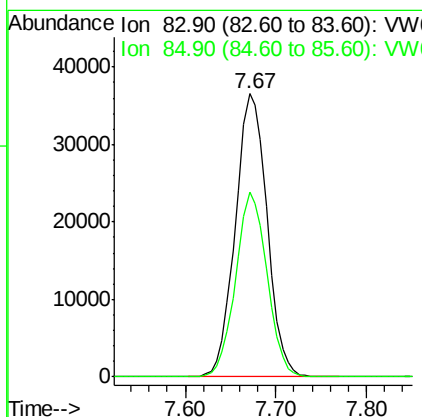
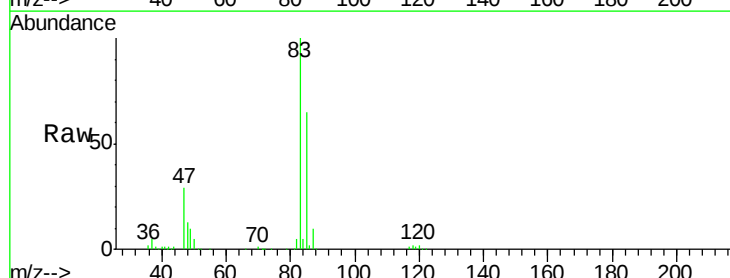
Manual Integrations
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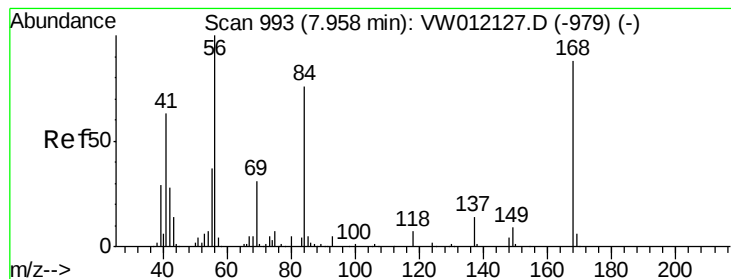
MMDadoda
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#30
Chloroform
Concen: 22.347 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion:	83	Resp:	88601
Ion Ratio		Lower	Upper
83	100		
85	65.4	50.6	76.0





#31

Cvclohexane

Concen: 17.010 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

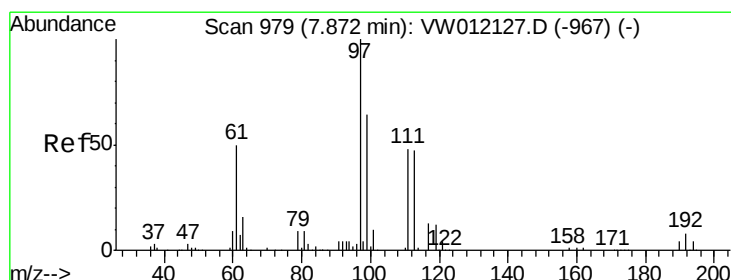
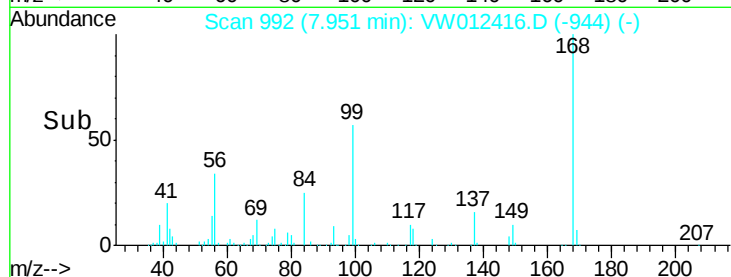
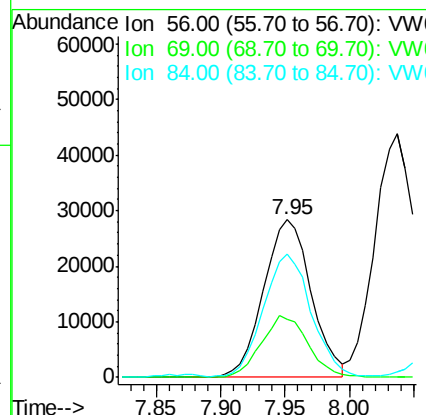
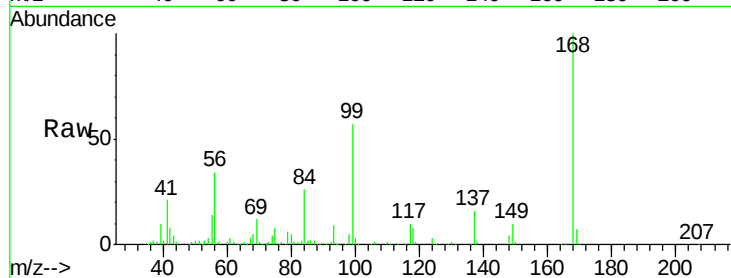
ClientSampleId :

VW0831SBS02

Tot Ion:	56	Resp:	72929
Ion Ratio	Lower	Upper	
56	100		
69	36.8	24.9	37.3
84	76.3	60.6	90.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.362 ug/l

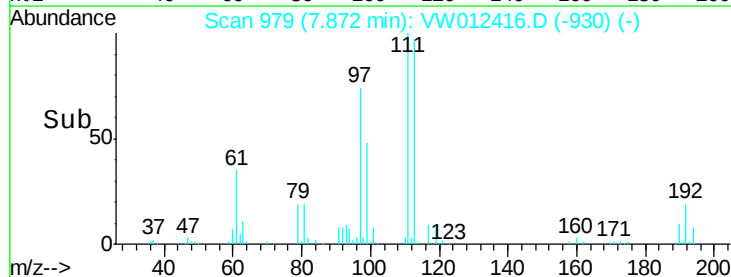
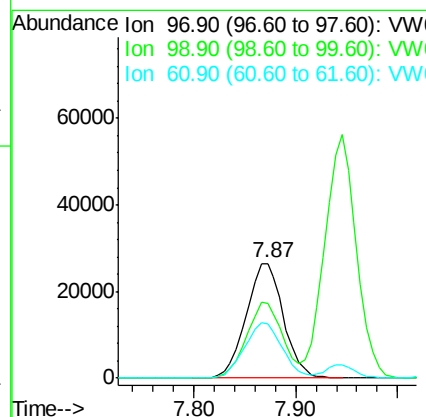
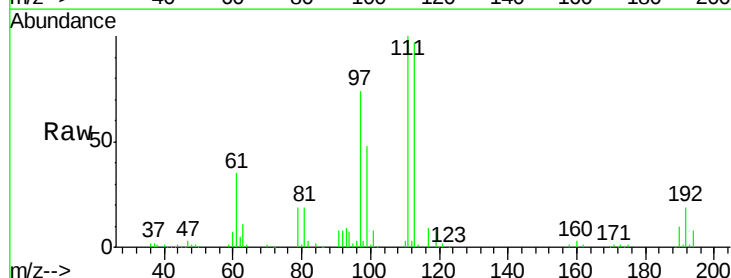
RT: 7.87 min Scan# 979

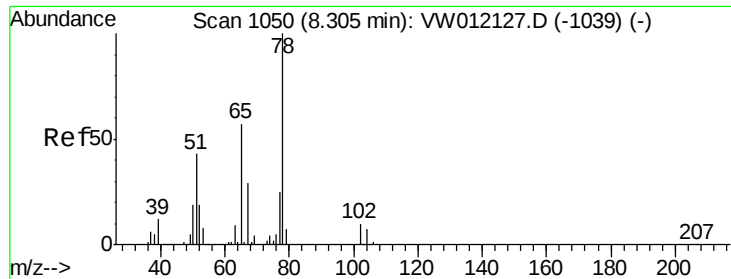
Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion:	97	Resp:	66999
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.4	77.0
61	49.2	39.5	59.3





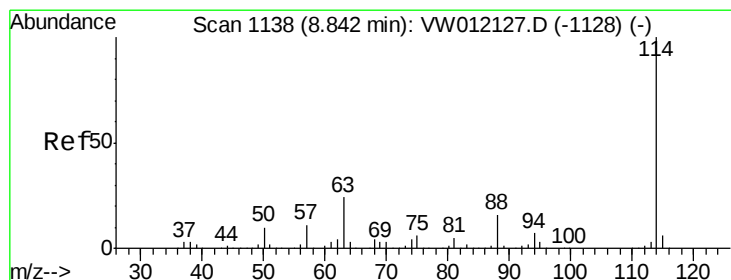
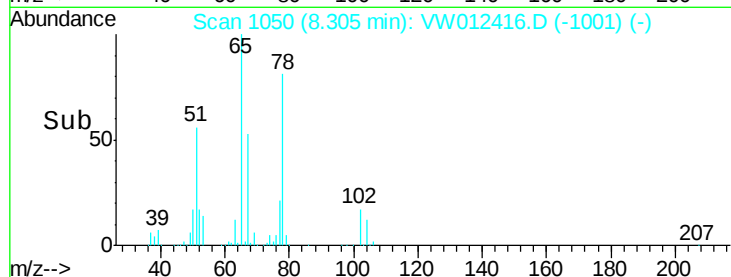
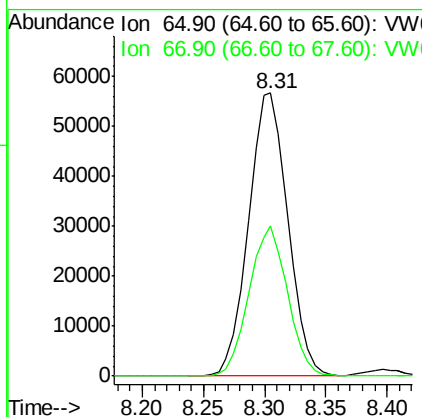
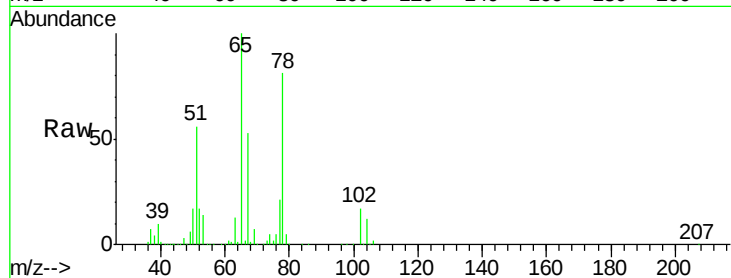
#33
 1,2-Dichloroethane-d4
 Concen: 53.211 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126659		
67	51.9	0.0	102.6	

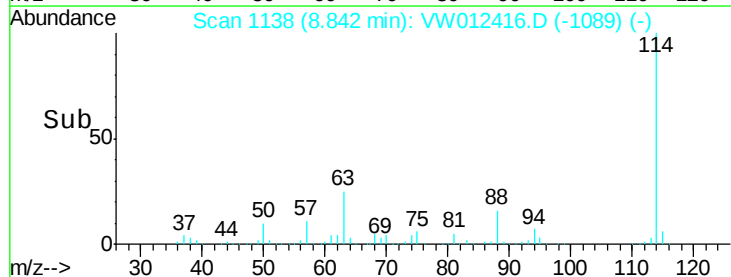
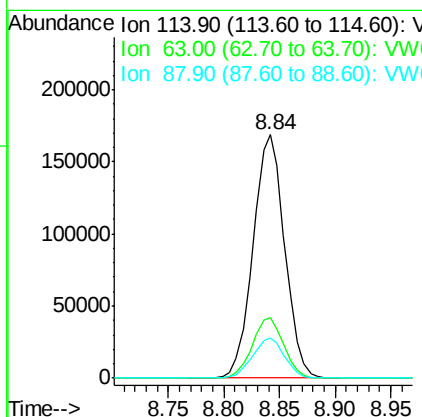
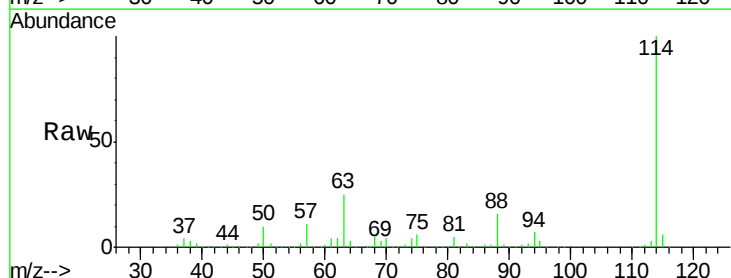
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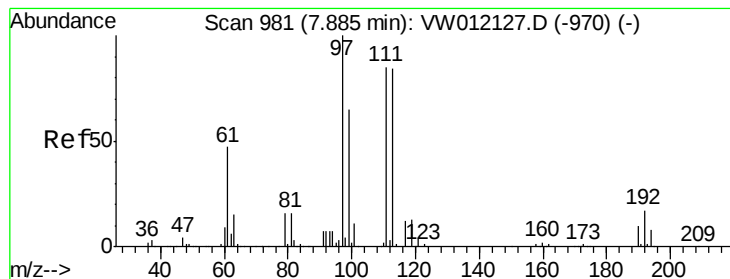
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	331953		
63	24.9	0.0	48.6	
88	16.3	0.0	32.2	





#35

Dibromofluoromethane

Concen: 49.826 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

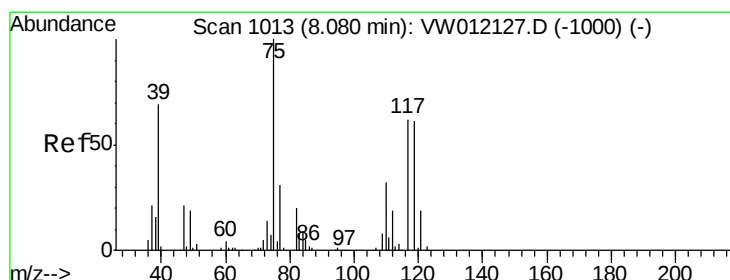
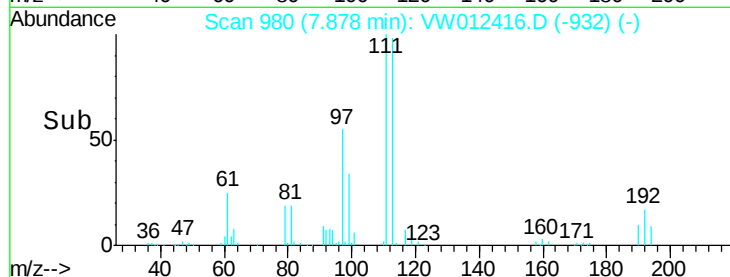
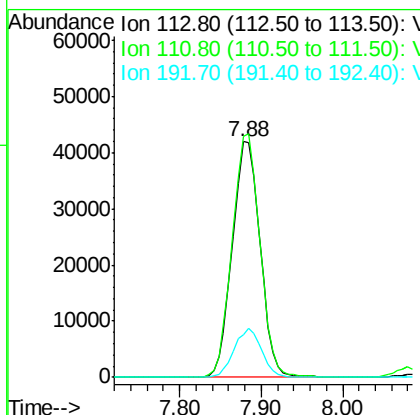
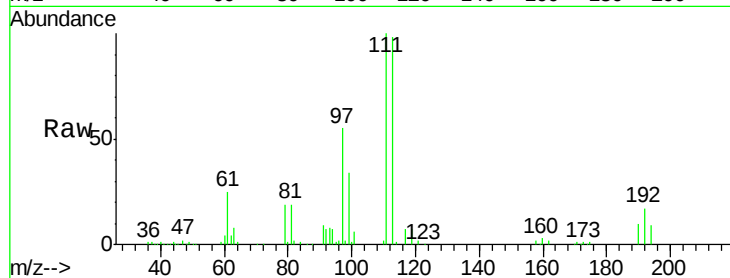
ClientSampleId :

VW0831SBS02

Tot Ion:	113	Resp:	98728
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	20.4	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.595 ug/l

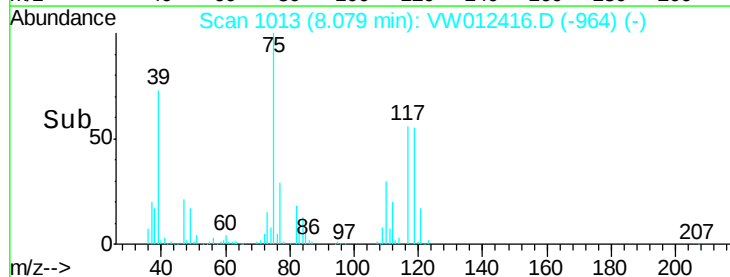
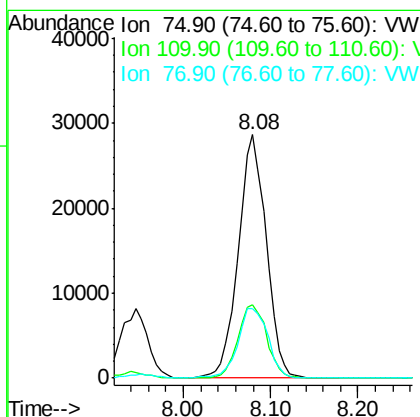
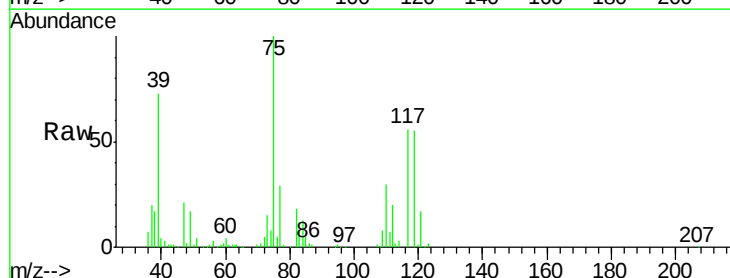
RT: 8.08 min Scan# 1013

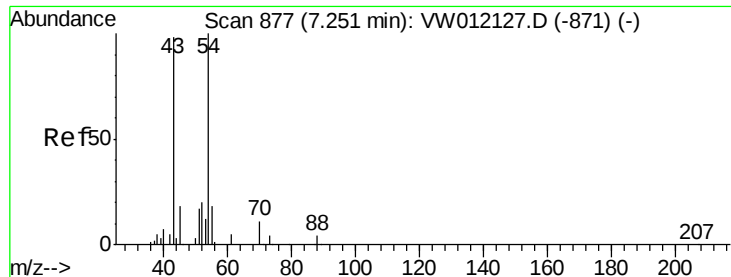
Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion:	75	Resp:	63788
Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.6	46.8
77	30.7	24.6	36.8





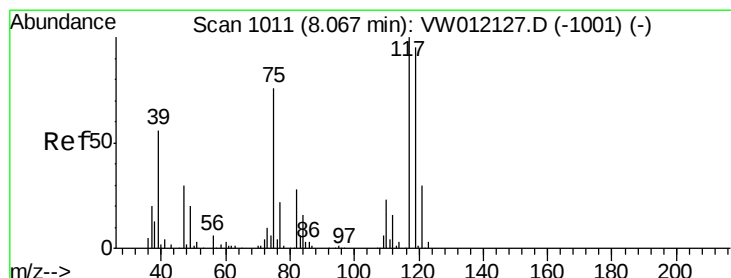
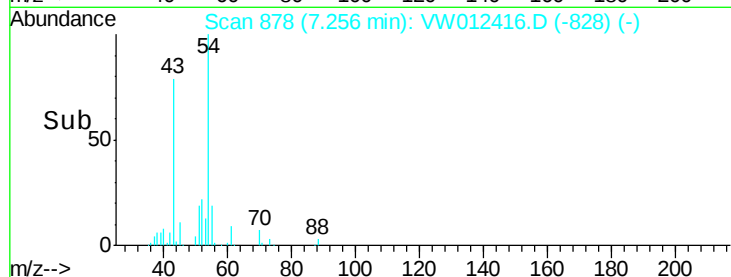
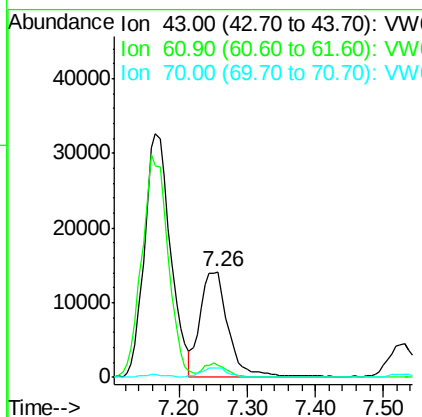
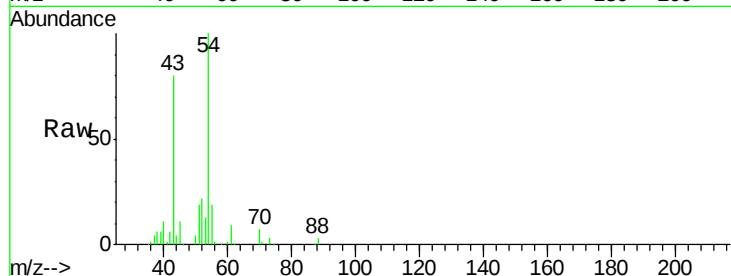
#37
Ethyl Acetate
Concen: 21.546 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.2	13.8
70	8.8	6.9	10.3

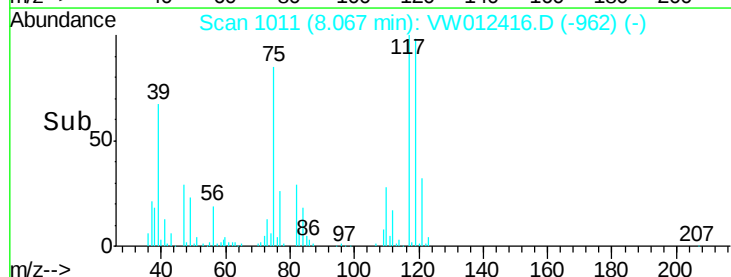
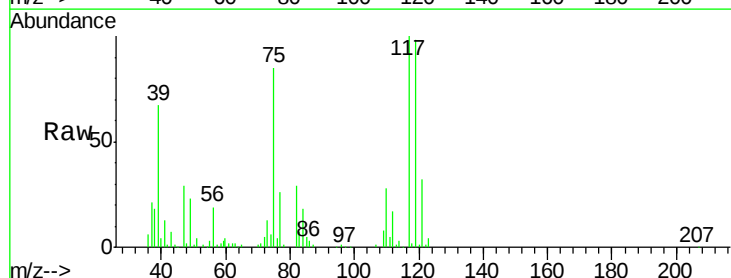
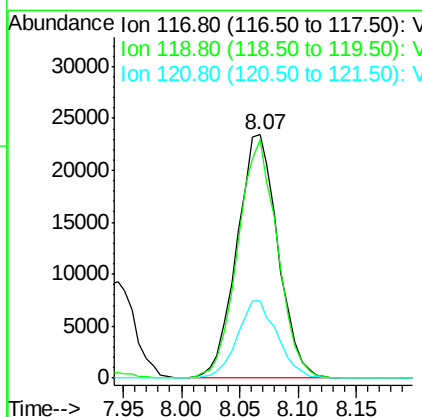
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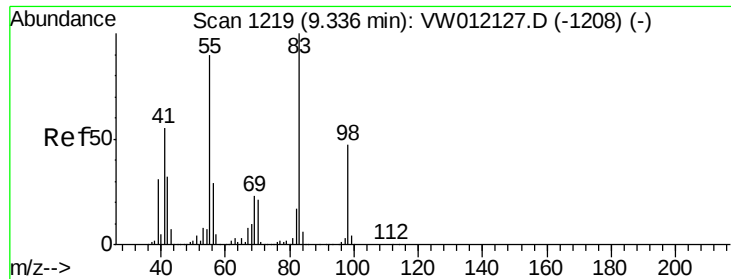
MMDadoda
9/3/2019 2:42:03 AM



#38
Carbon Tetrachloride
Concen: 19.380 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.2
121	31.6	23.8	35.8





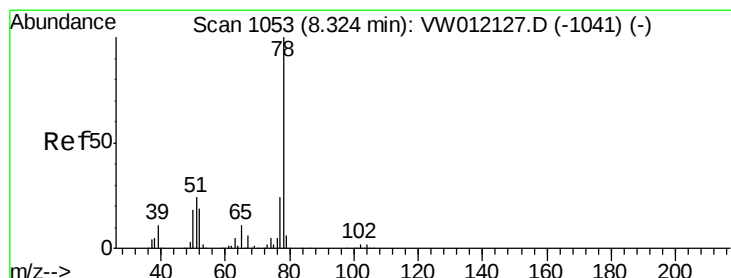
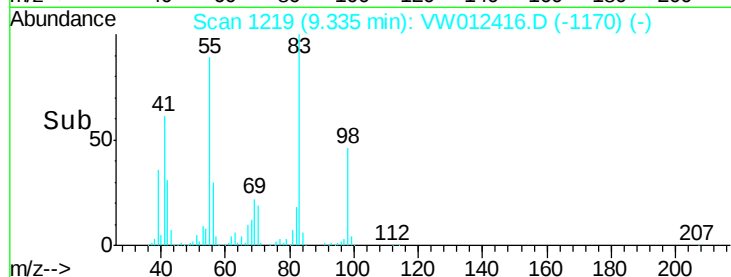
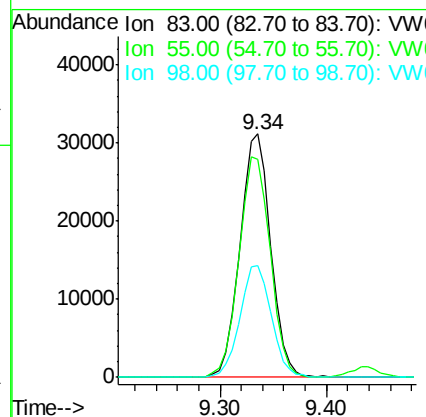
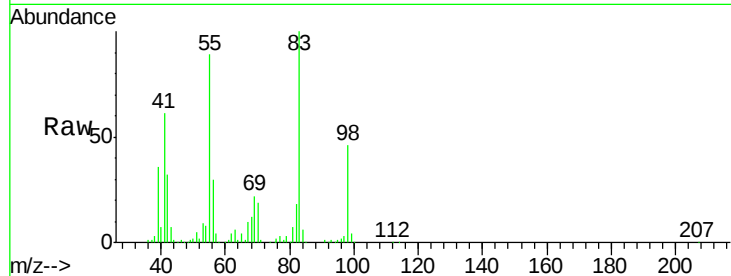
#39
Methvlcvclohexane
Concen: 16.385 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	71.8	107.8
98	45.8	37.8	56.8

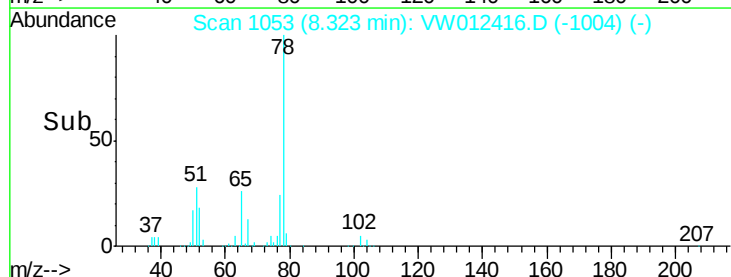
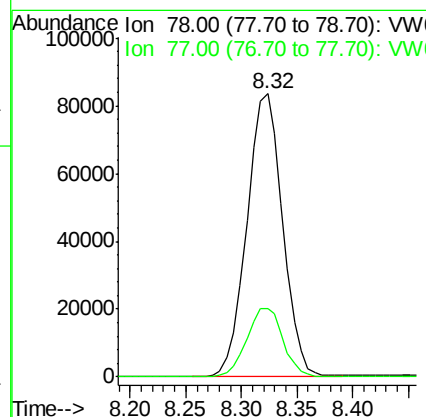
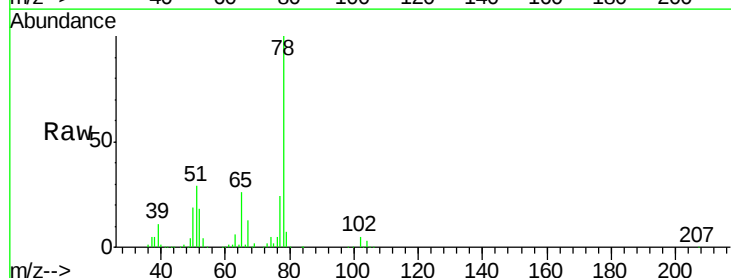
Manual Integrations
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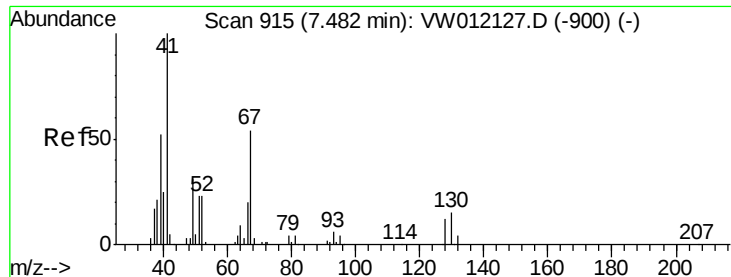
MMDadoda
9/3/2019 2:42:03 AM



#40
Benzene
Concen: 19.975 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3





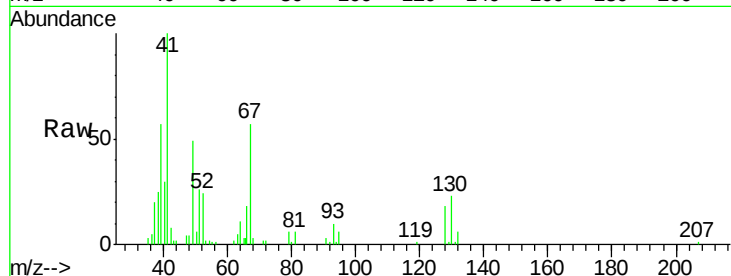
#41
Methacrylonitrile
Concen: 22.082 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

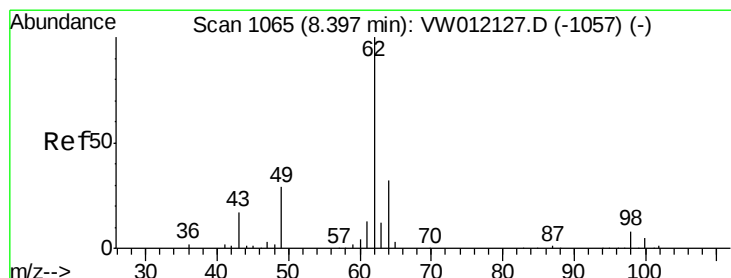
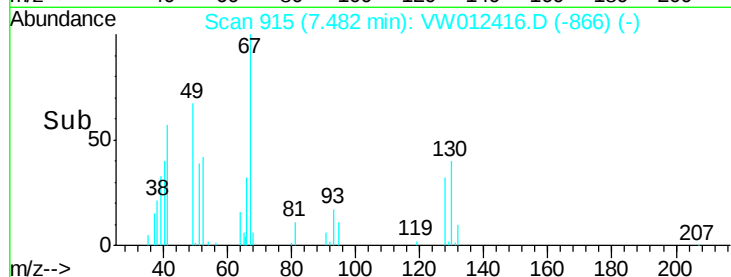
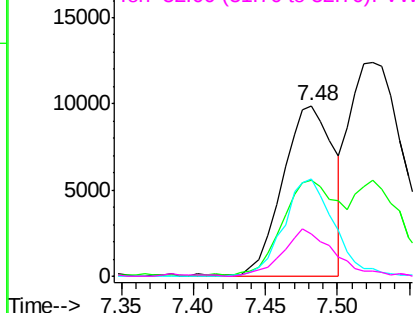
Tot Ion	41	Resp	24396
Ion Ratio	Lower	Upper	
41	100		
39	63.6	45.8	68.8
67	57.4	46.2	69.4
52	27.8	21.0	31.6

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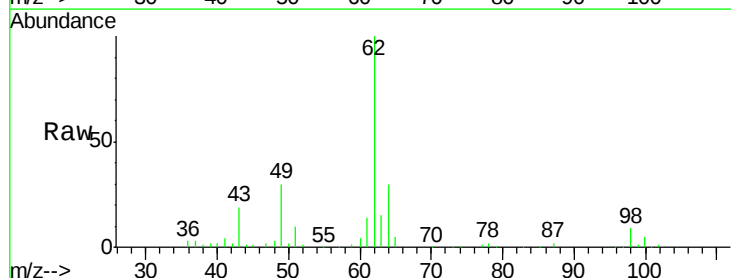


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

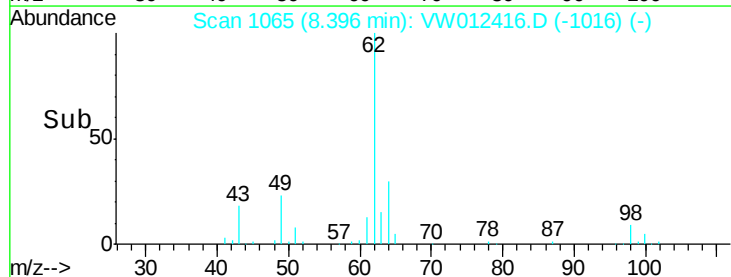
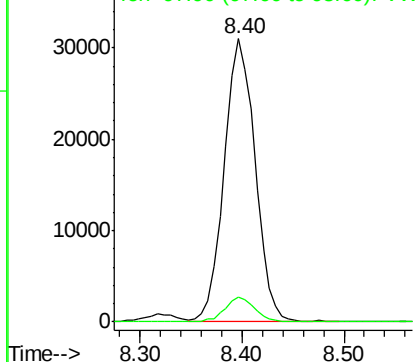


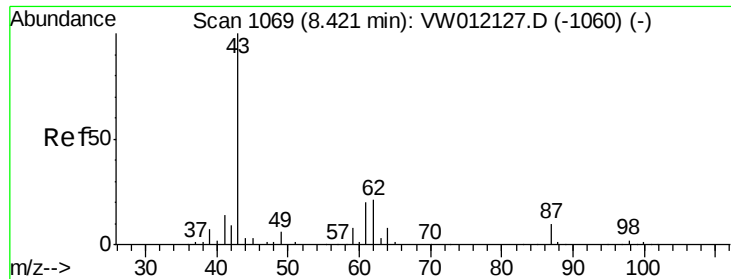
#42
1,2-Dichloroethane
Concen: 22.256 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	62	Resp	65336
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 21.390 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

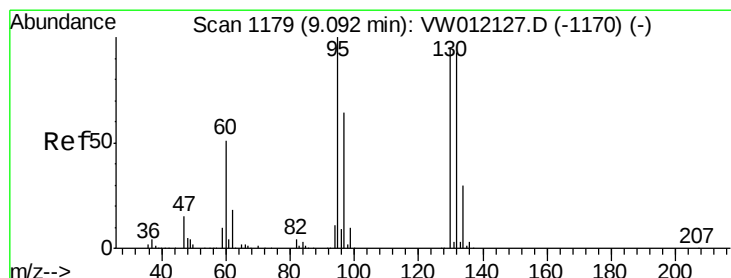
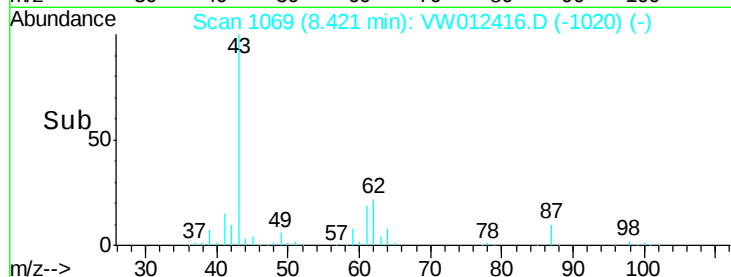
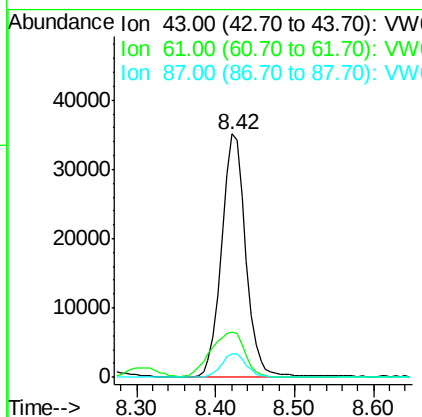
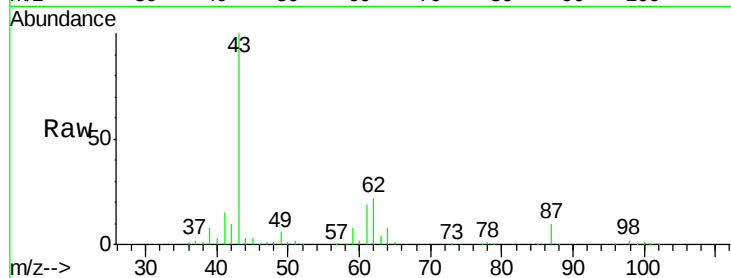
ClientSampleId :

VW0831SBS02

Tot Ion:	43	Resp:	74480
Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.1	31.7
87	9.9	8.2	12.2

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#44

Trichloroethene

Concen: 19.386 ug/l

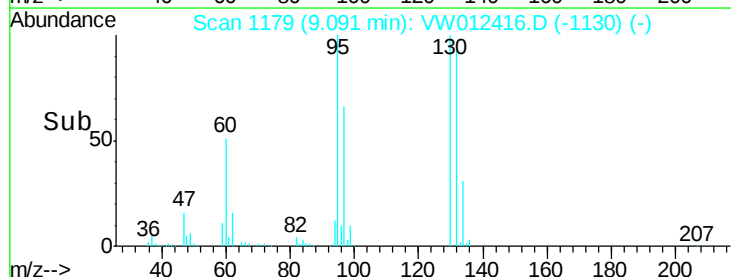
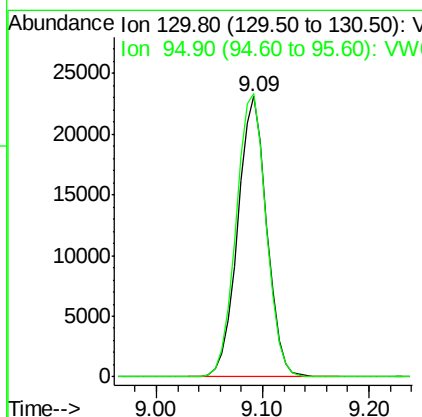
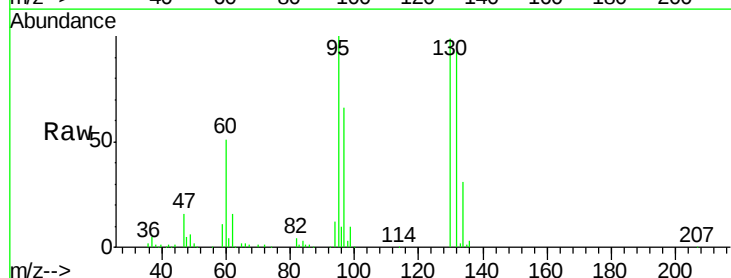
RT: 9.09 min Scan# 1179

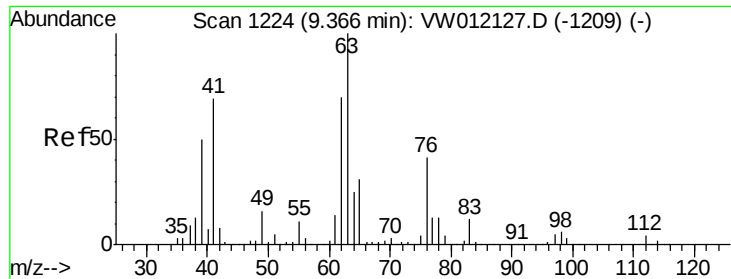
Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion:	130	Resp:	44142
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	210.6





#45

1,2-Dichloropropane

Concen: 20.860 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 63 Resp: 52585

Ion Ratio Lower Upper

63 100

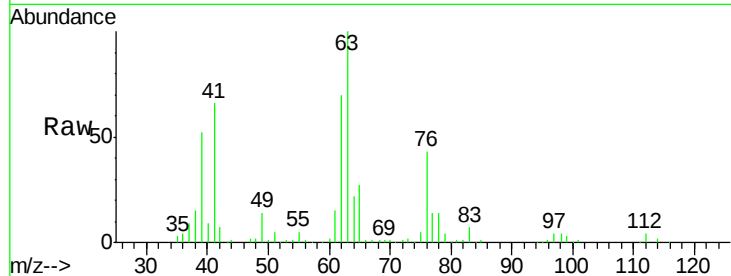
65 26.9 25.0 37.4

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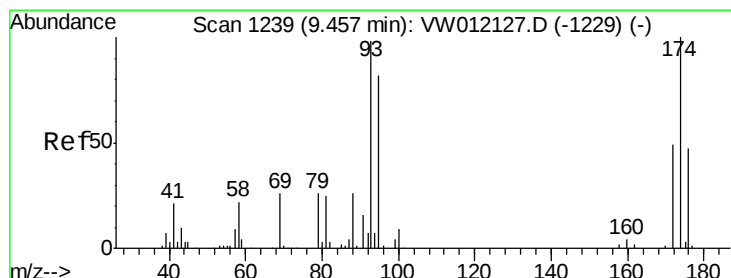
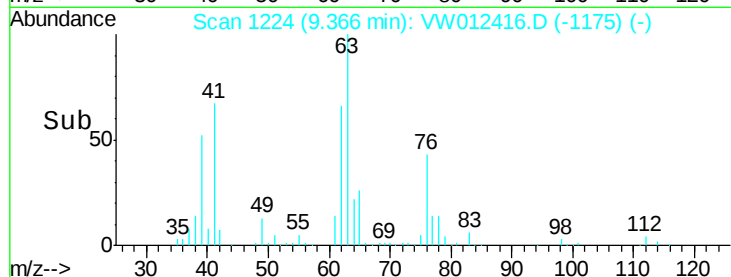
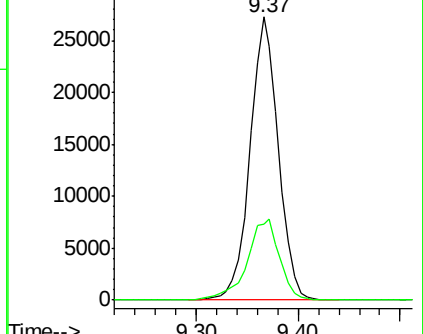
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.684 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

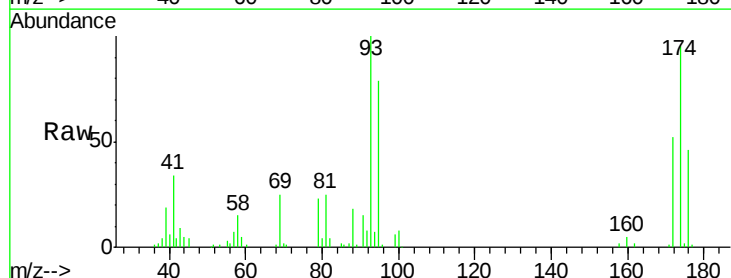
Tgt Ion: 93 Resp: 24321

Ion Ratio Lower Upper

93 100

95 81.1 67.2 100.8

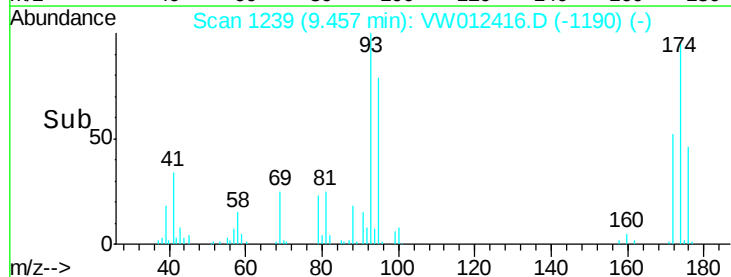
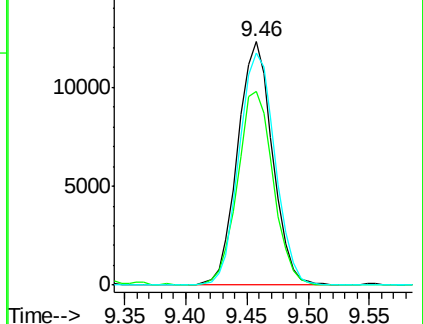
174 98.3 79.0 118.6

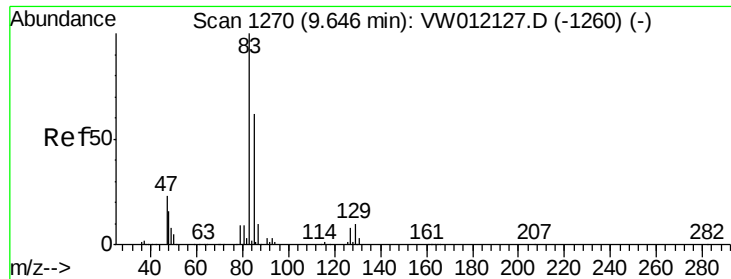


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.102 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

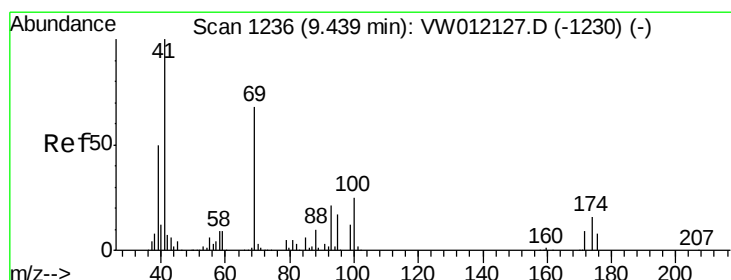
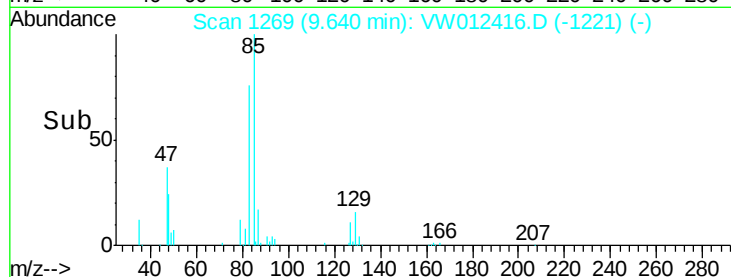
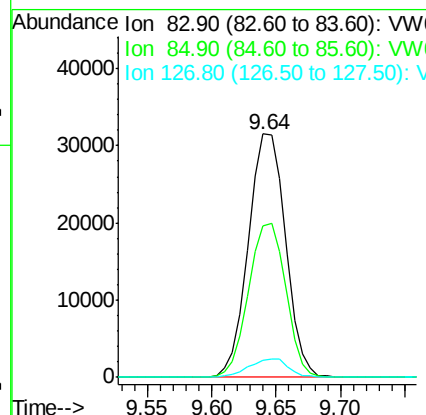
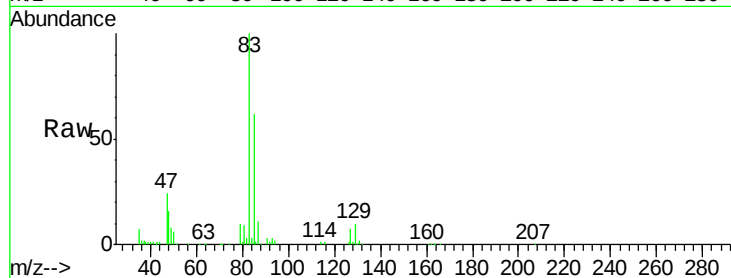
ClientSampleId :

VW0831SBS02

Tot Ion:	83	Resp:	62993
Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.4	74.2
127	6.9	6.1	9.1

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#48

Methyl methacrylate

Concen: 21.120 ug/l

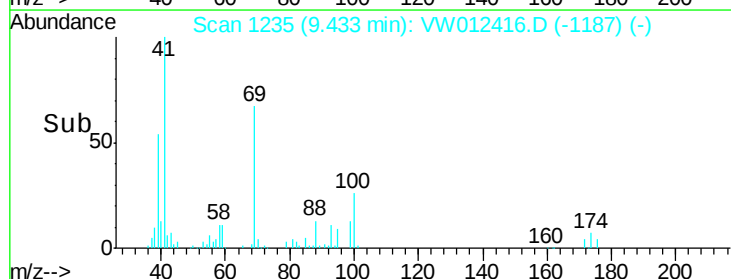
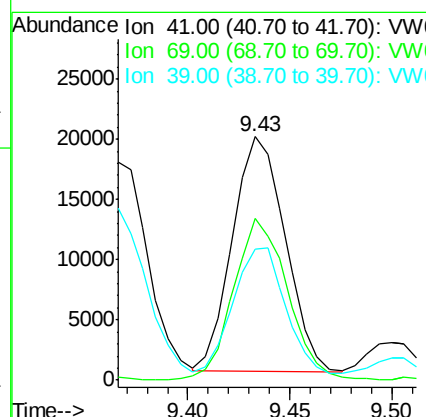
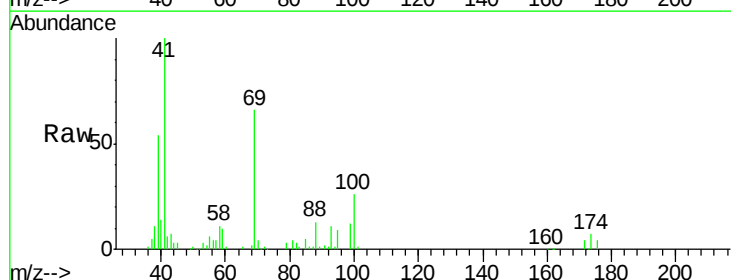
RT: 9.43 min Scan# 1235

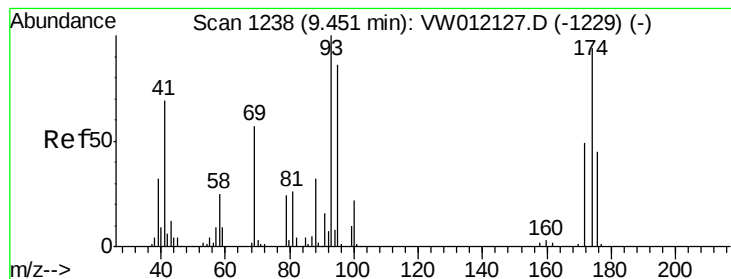
Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion:	41	Resp:	35001
Ion	Ratio	Lower	Upper
41	100		
69	70.8	56.7	85.1
39	58.6	42.0	63.0





#49

1,4-Dioxane

Concen: 468.006 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

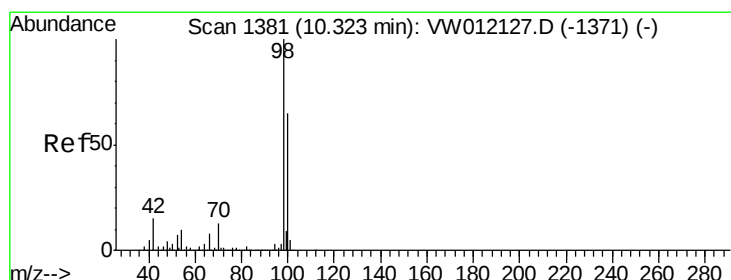
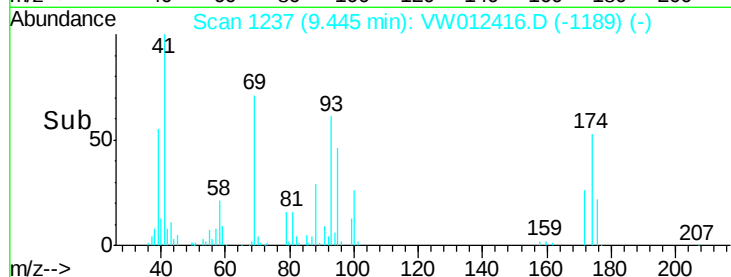
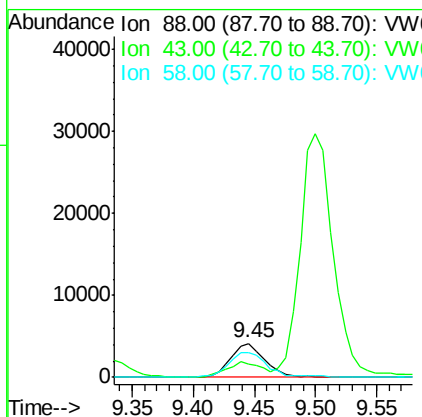
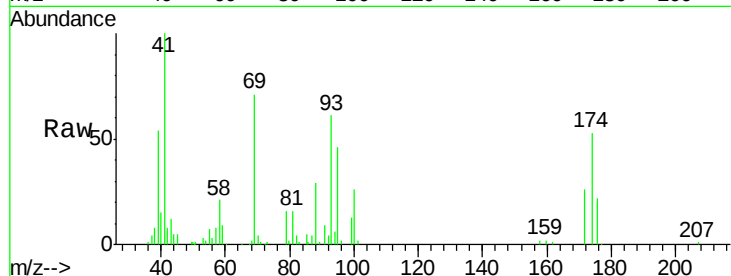
ClientSampleId :

VW0831SBS02

Tot Ion	88	Resp	8036
Ion	Ratio	Lower	Upper
88	100		
43	44.0	32.9	49.3
58	80.4	71.0	106.4

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#50

Toluene-d8

Concen: 47.834 ug/l

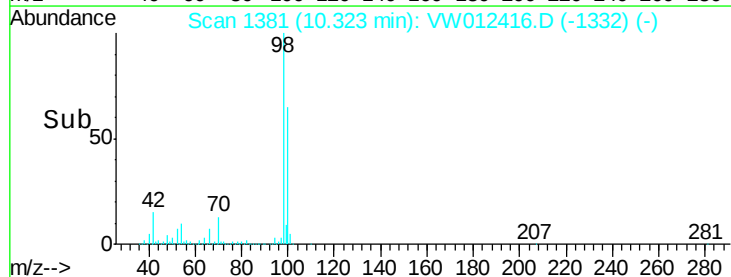
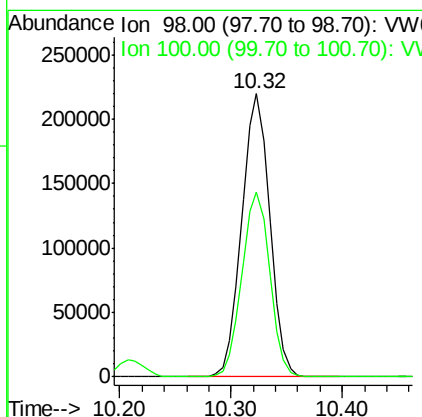
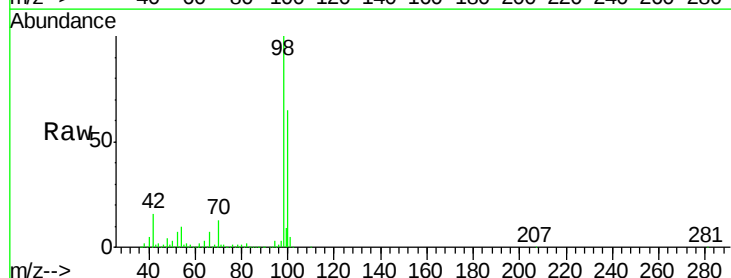
RT: 10.32 min Scan# 1381

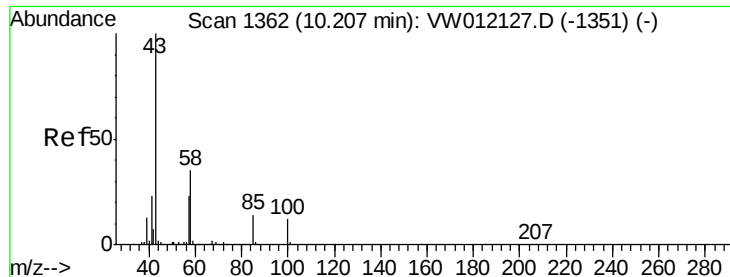
Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion	98	Resp	384308
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 111.325 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 43 Resp: 197160

Ion Ratio Lower Upper

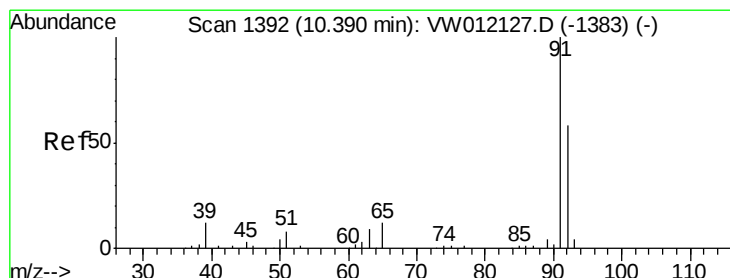
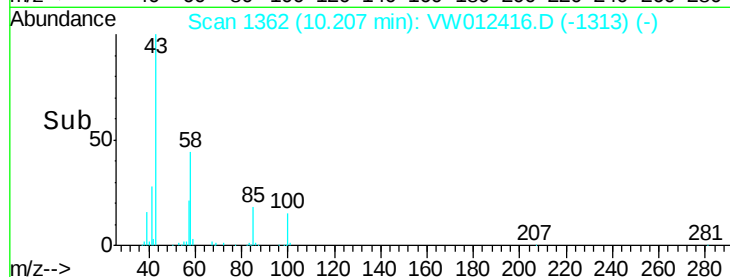
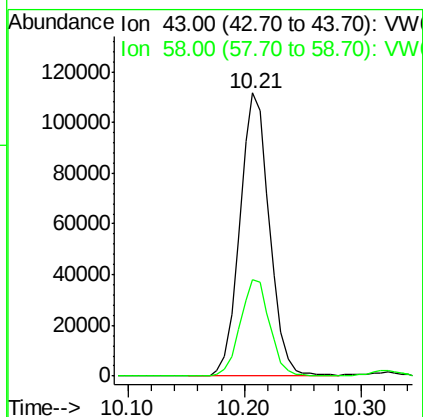
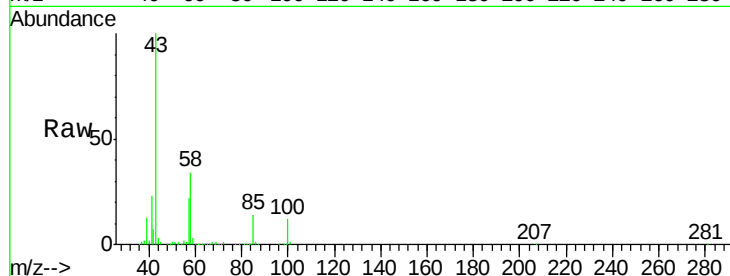
43 100

58 34.2 28.2 42.2

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#52

Toluene

Concen: 20.271 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012416.D

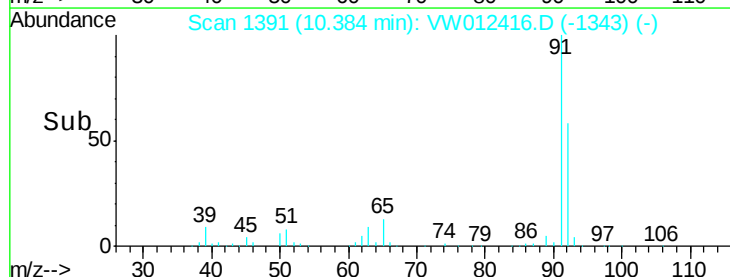
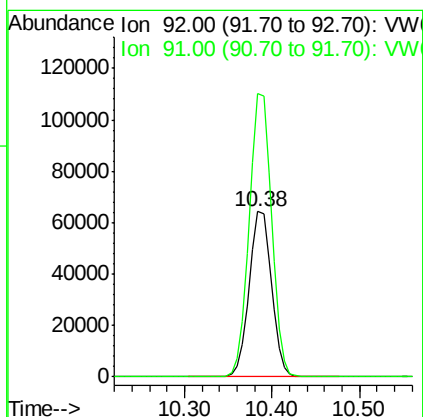
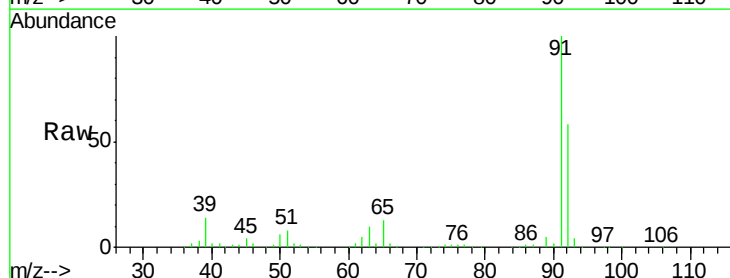
Acq: 31 Aug 2019 23:18

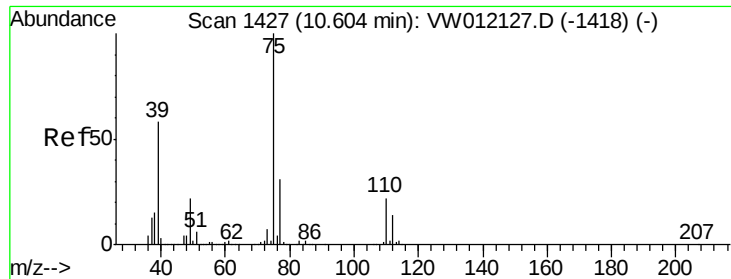
Tgt Ion: 92 Resp: 114064

Ion Ratio Lower Upper

92 100

91 171.3 136.6 204.8





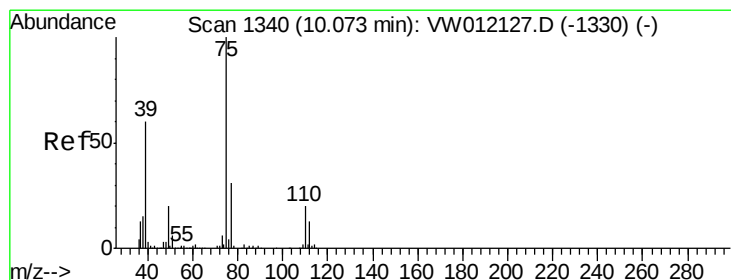
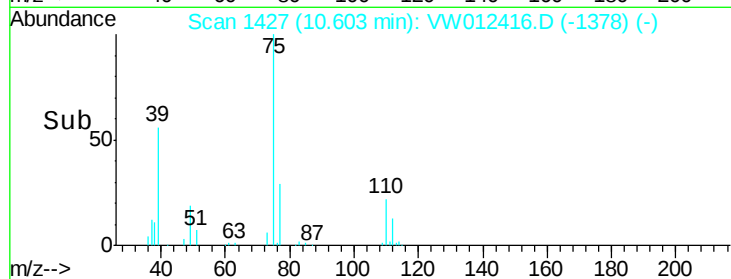
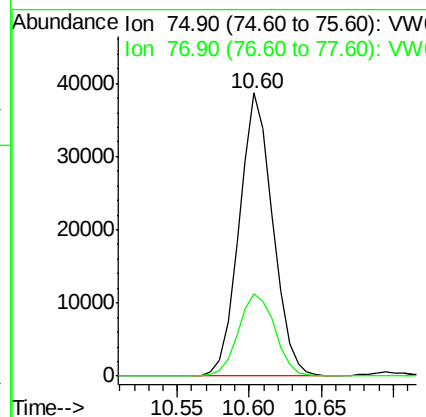
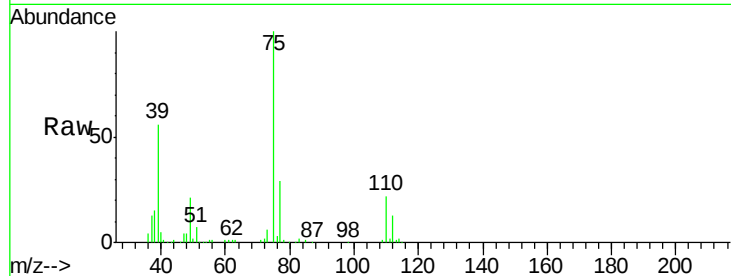
#53
 t-1,3-Dichloropropene
 Concen: 20.591 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.0	37.4

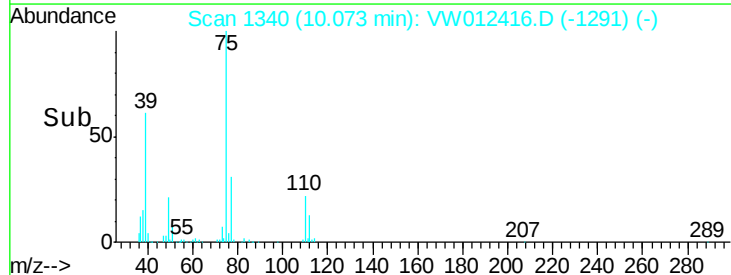
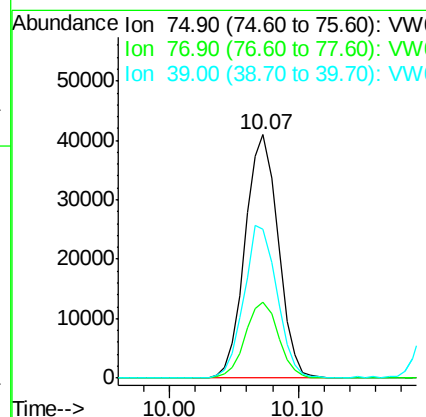
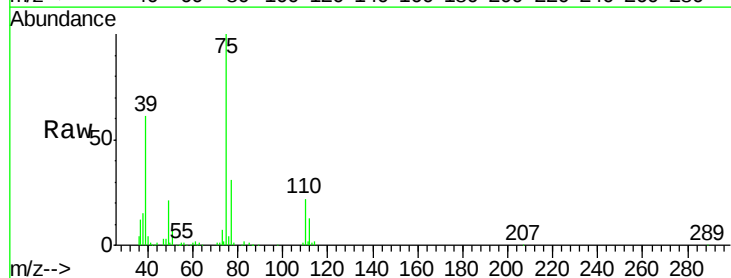
Manual Integrations
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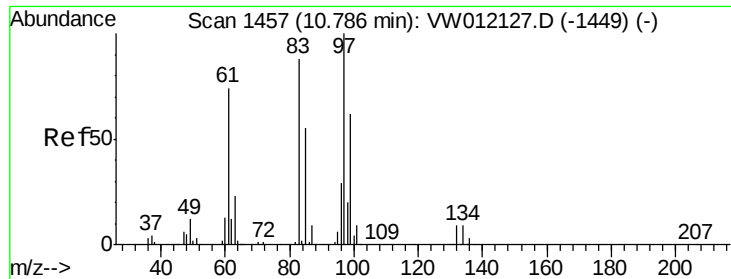
MMDadoda
 9/3/2019 2:42:03 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.842 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	61.2	48.3	72.5





#55

1,1,2-Trichloroethane

Concen: 21.824 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

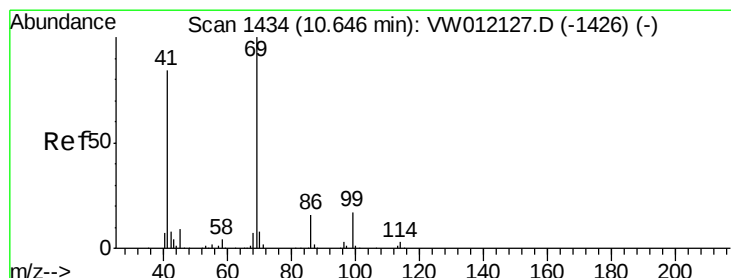
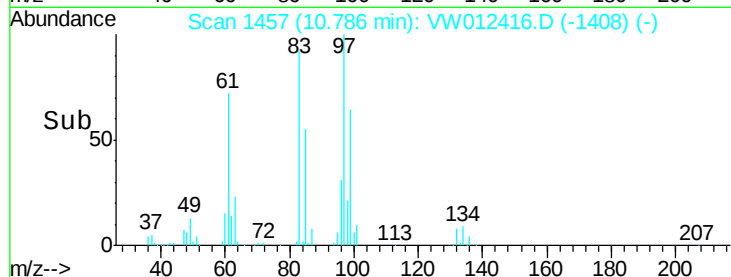
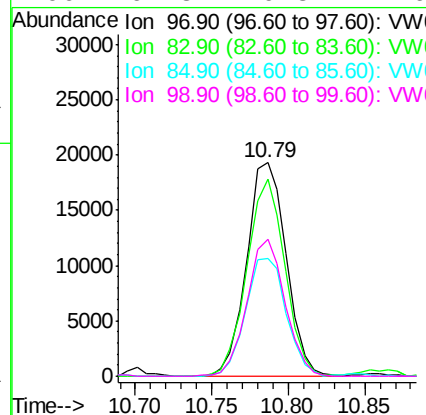
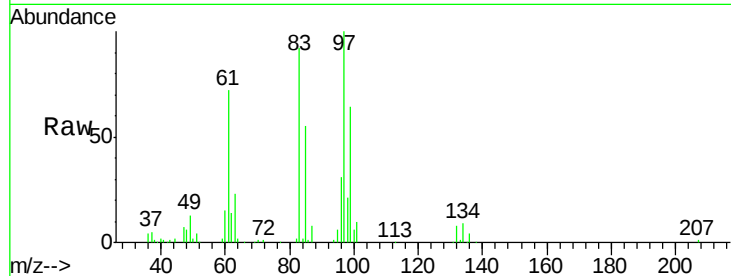
ClientSampleId :

VW0831SBS02

Tot Ion:	97	Resp:	34633
Ion	Ratio	Lower	Upper
97	100		
83	92.2	70.8	106.2
85	55.1	43.8	65.8
99	64.3	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.927 ug/l

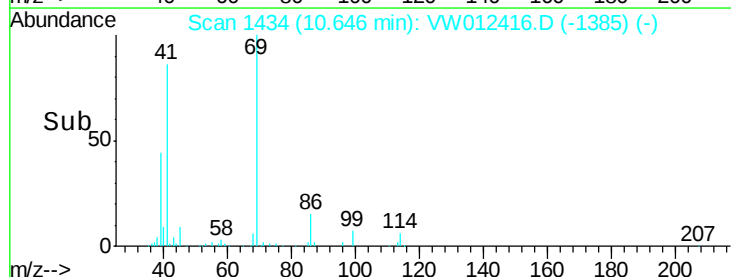
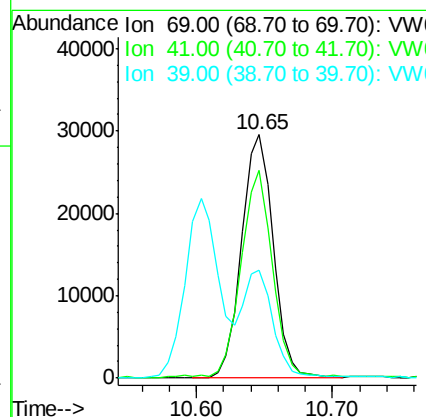
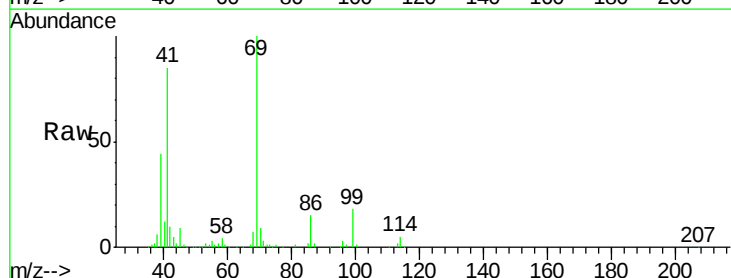
RT: 10.65 min Scan# 1434

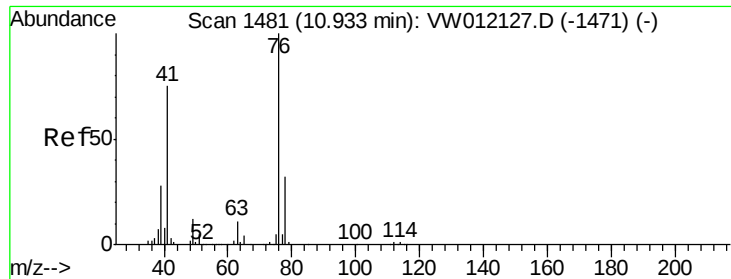
Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion:	69	Resp:	48335
Ion	Ratio	Lower	Upper
69	100		
41	83.3	66.5	99.7
39	40.6	31.0	46.4





#57

1,3-Dichloropropane

Concen: 21.560 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 76 Resp: 64655

Ion Ratio Lower Upper

76 100

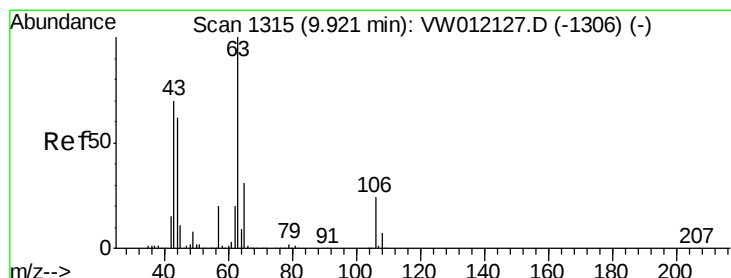
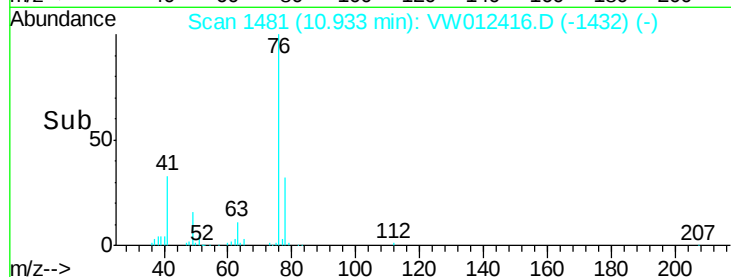
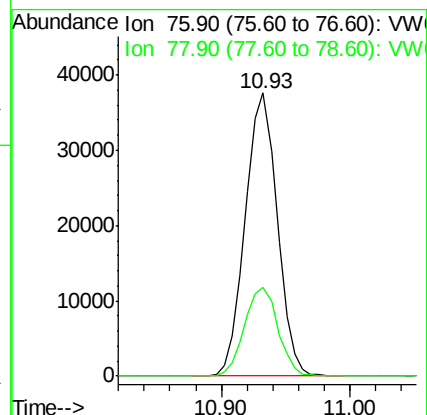
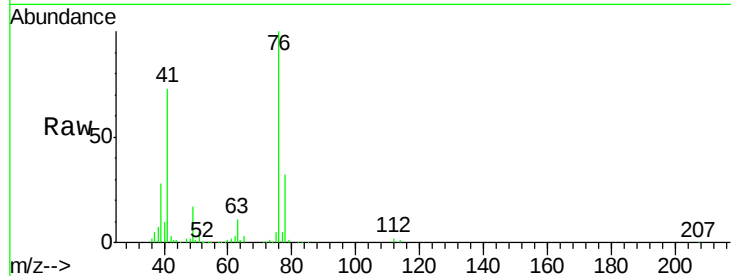
78 32.9 25.8 38.8

Manual Integrations

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9/3/2019 2:42:03 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.249 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012416.D

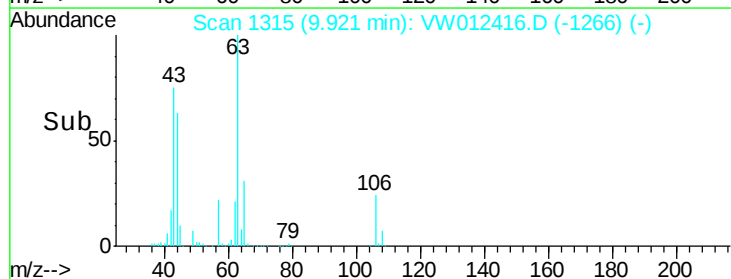
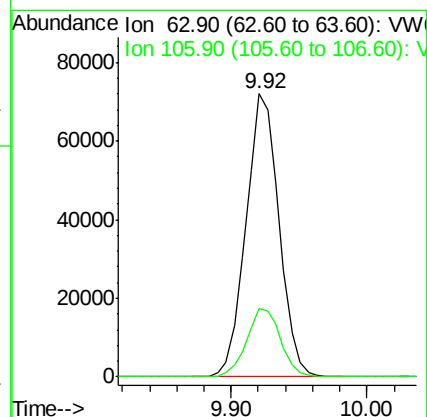
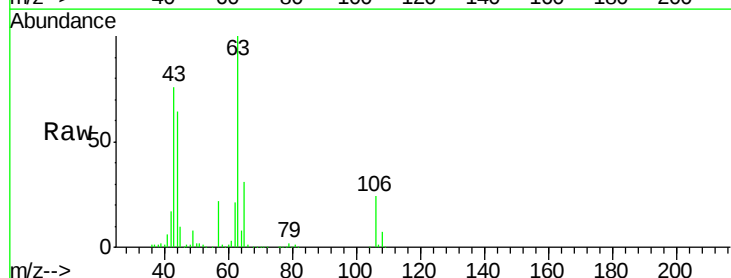
Acq: 31 Aug 2019 23:18

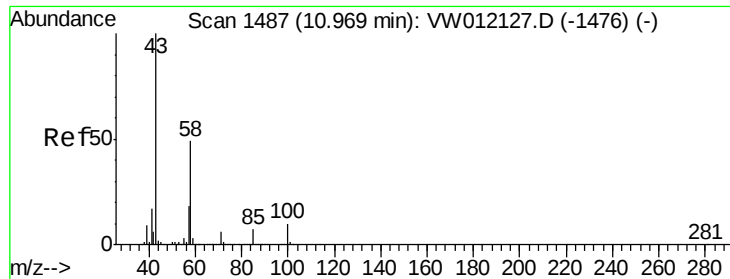
Tgt Ion: 63 Resp: 122388

Ion Ratio Lower Upper

63 100

106 25.0 19.8 29.8





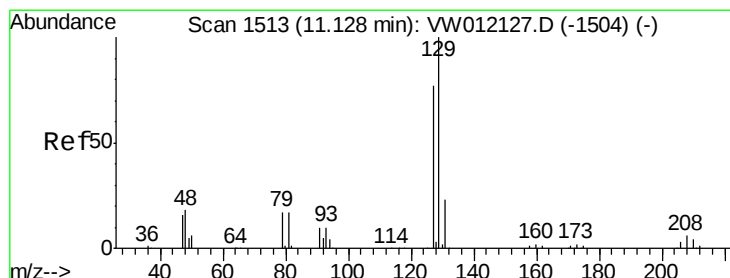
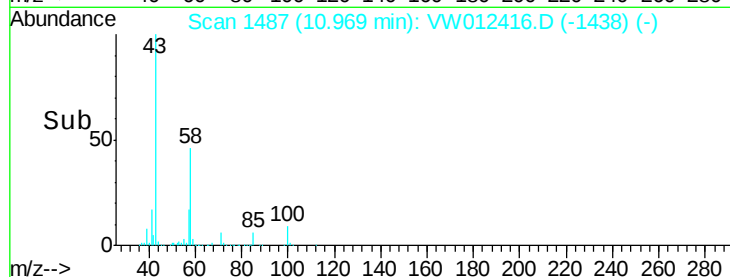
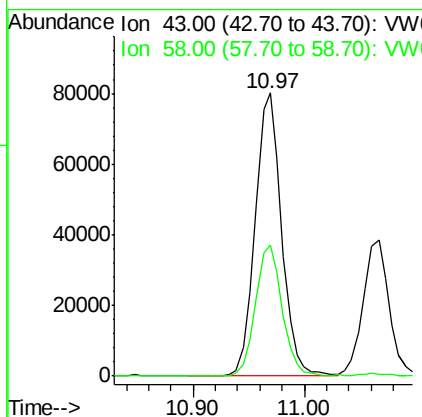
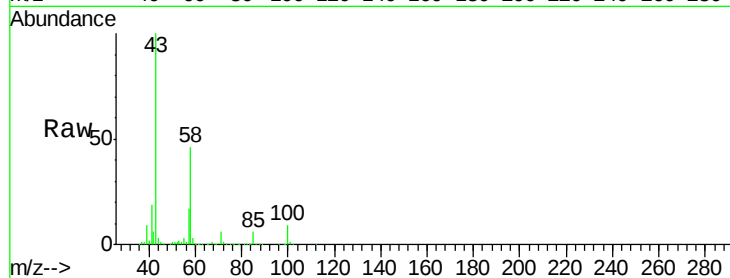
#59
2-Hexanone
Concen: 105.641 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.9	24.3	72.9

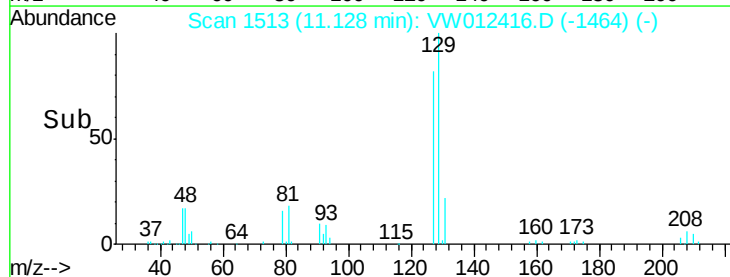
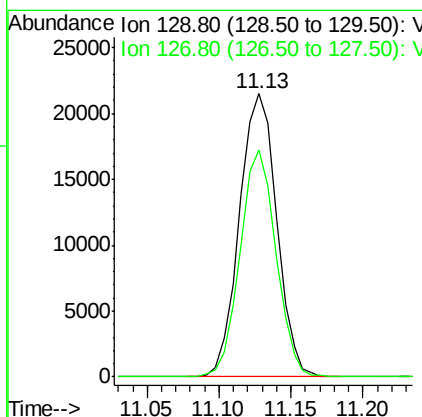
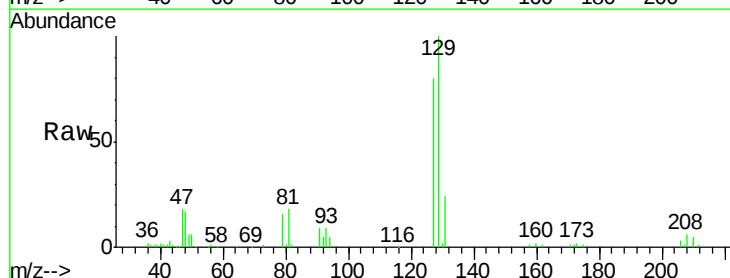
Manual Integrations
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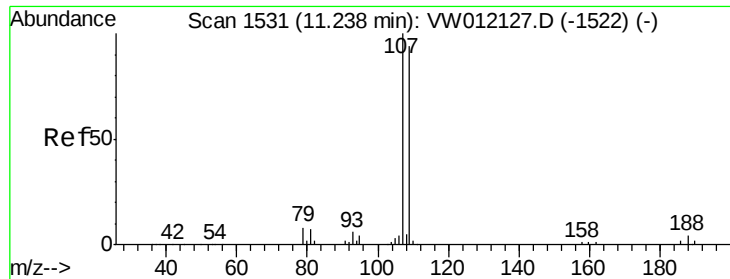
MMDadoda
9/3/2019 2:42:03 AM



#60
Dibromochloromethane
Concen: 21.831 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8





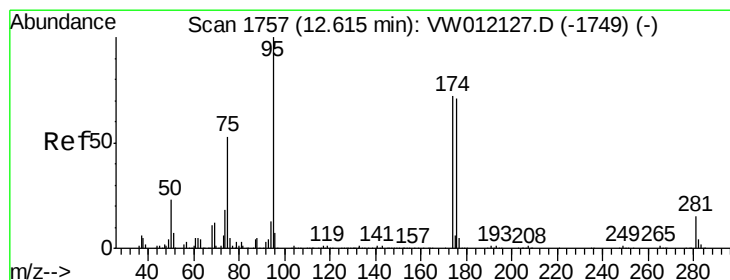
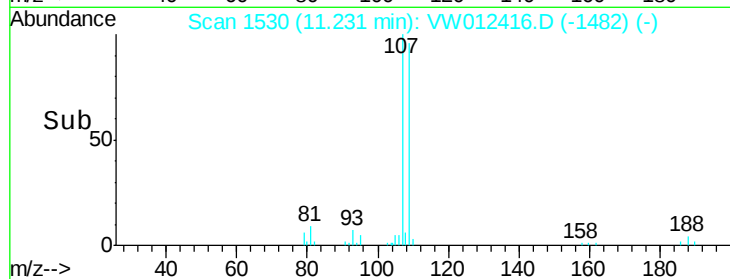
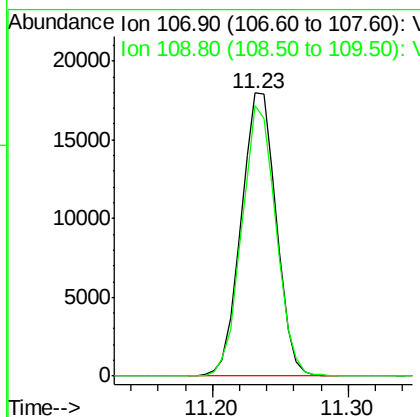
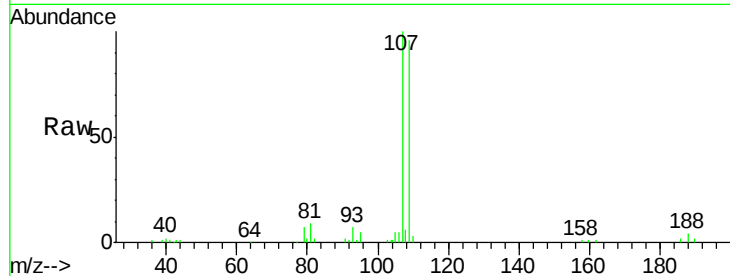
#61
 1,2-Dibromoethane
 Concen: 21.942 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.4	113.2

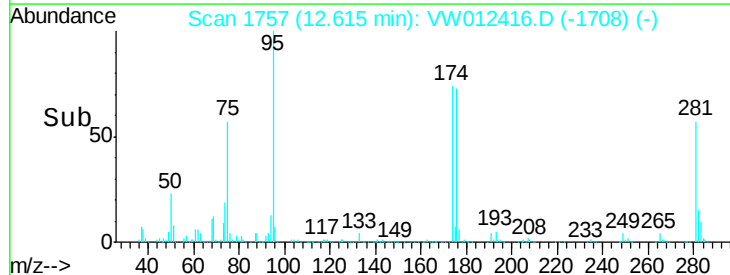
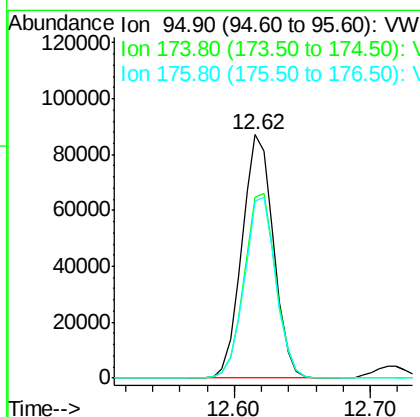
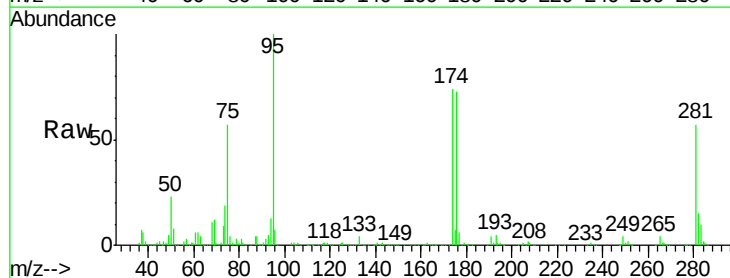
Manual Integrations
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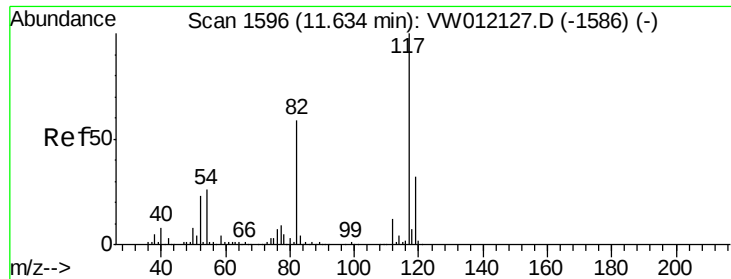
MMDadoda
 9/3/2019 2:42:03 AM



#62
 4-Bromofluorobenzene
 Concen: 49.702 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	150.8
176	74.5	0.0	148.6





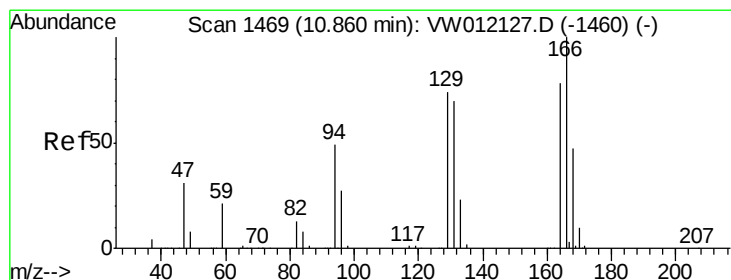
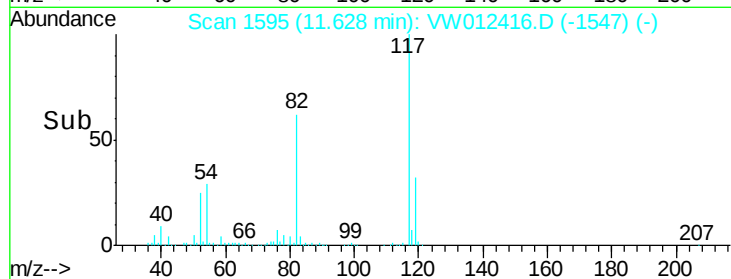
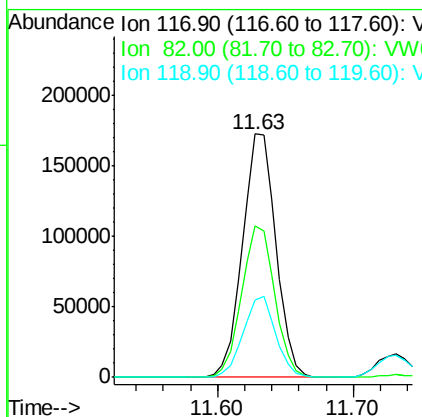
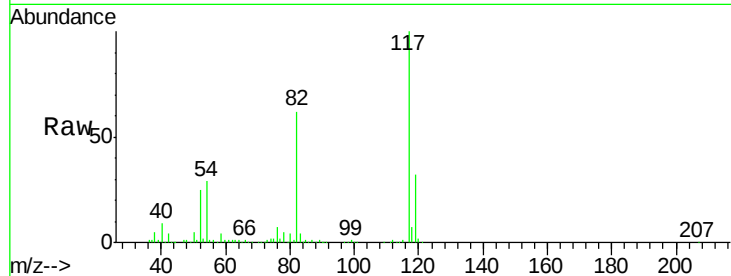
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296778		
82	62.3		47.4	71.2
119	31.8		25.4	38.2

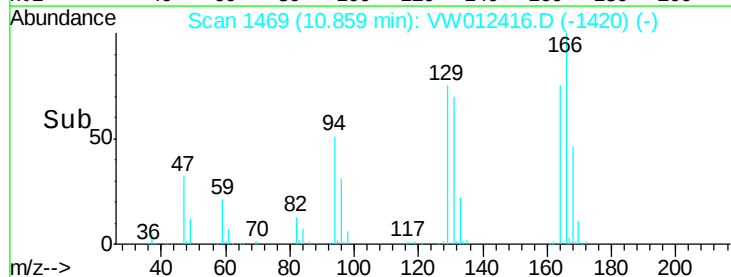
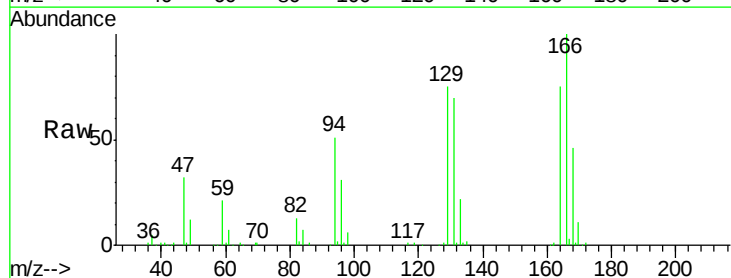
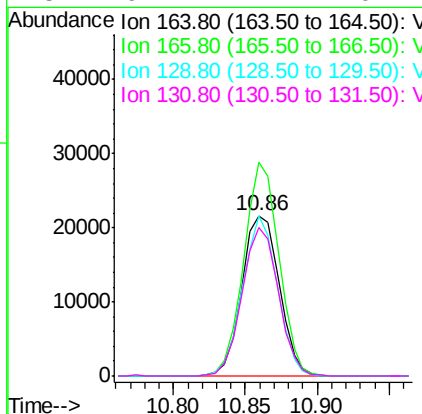
Manual Integrations
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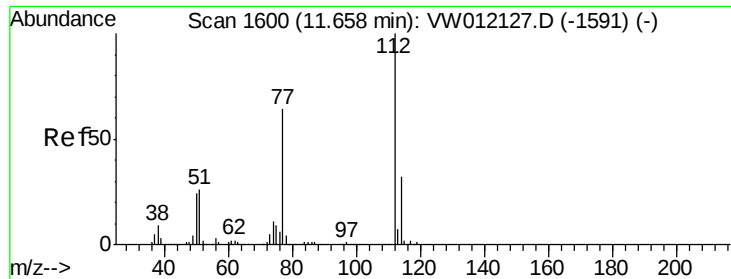
MMDadoda
9/3/2019 2:42:03 AM



#64
Tetrachloroethene
Concen: 20.249 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38961		
166	133.2		102.4	153.6
129	100.0		75.8	113.6
131	92.7		71.4	107.2





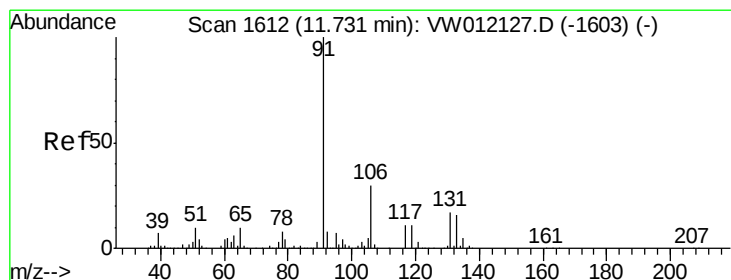
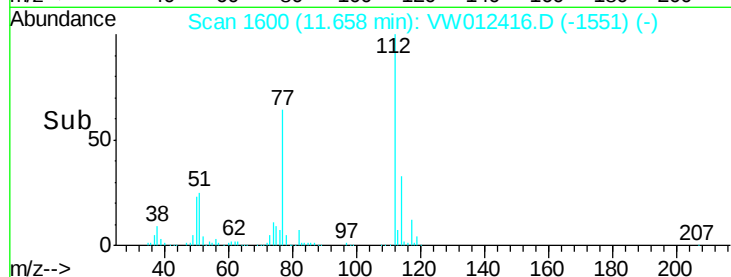
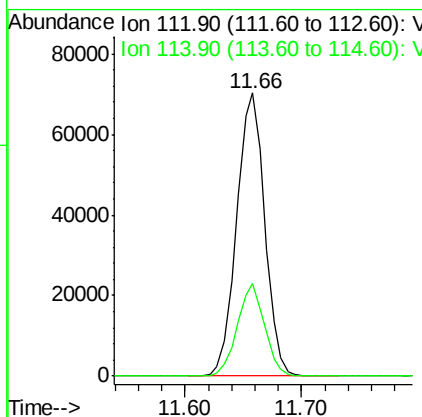
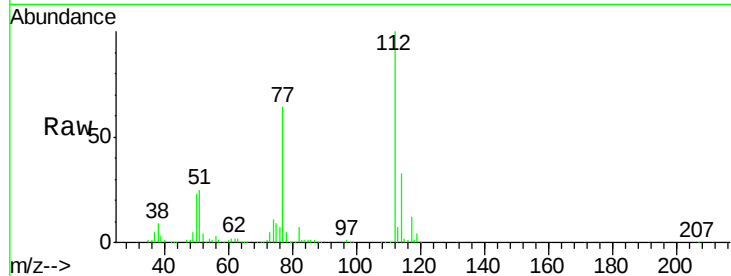
#65
Chlorobenzene
Concen: 20.241 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	118284		
114	32.9	25.8	38.6	

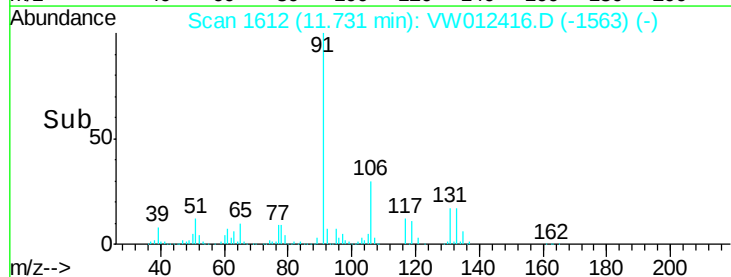
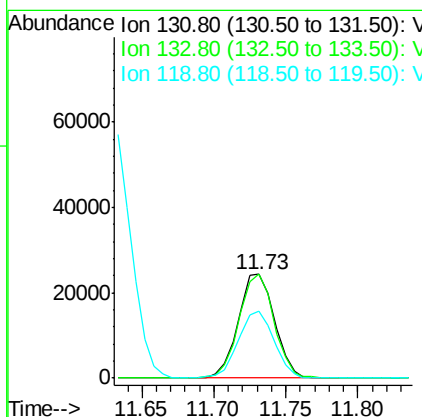
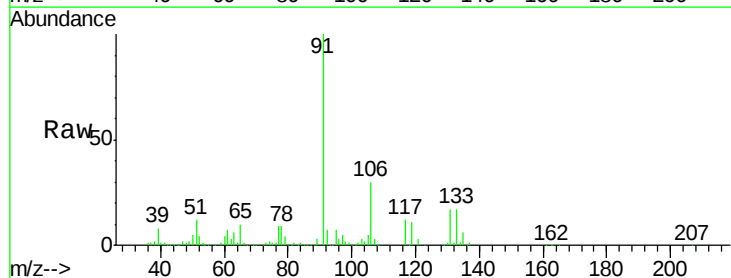
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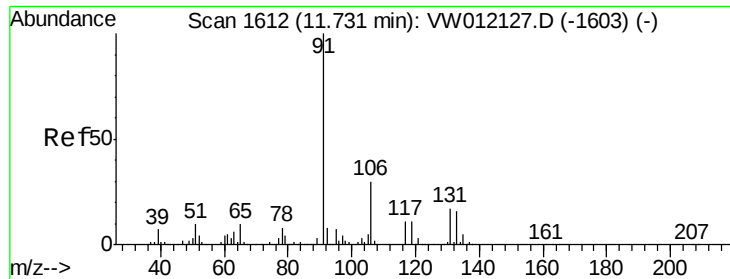
MMDadoda
9/3/2019 2:42:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.904 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	42617		
133	96.0	47.1	141.3	
119	63.4	31.8	95.3	





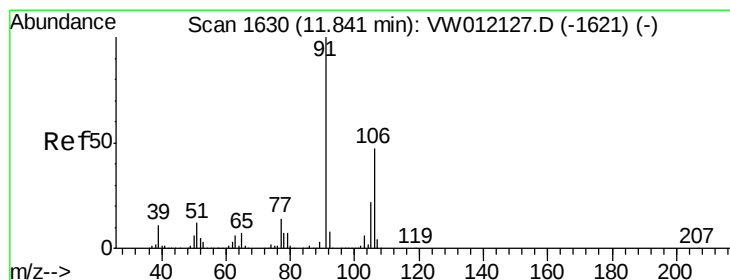
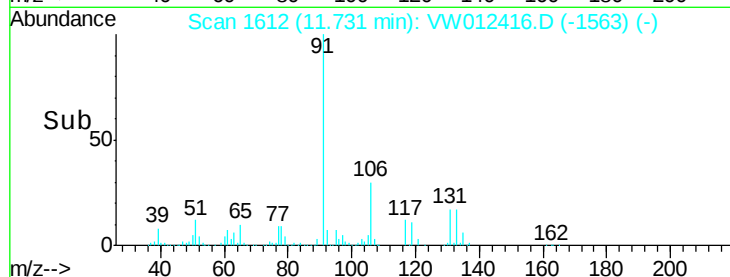
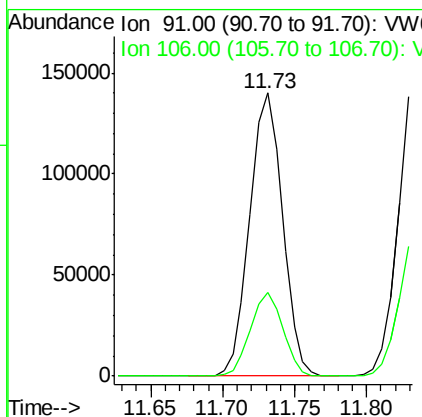
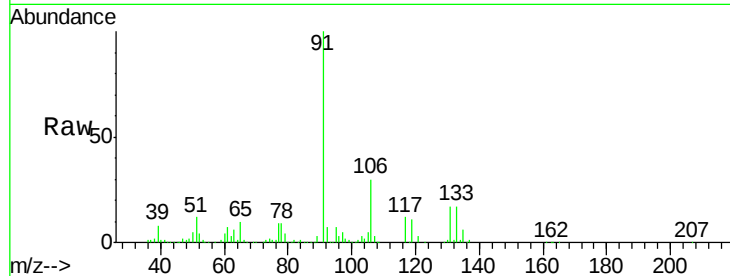
#67
Ethyl Benzene
Concen: 19.667 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion: 91 Resp: 221397
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5

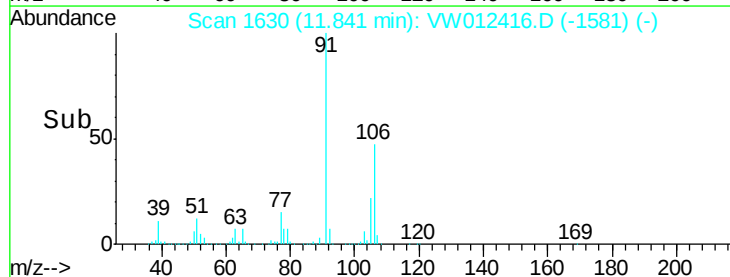
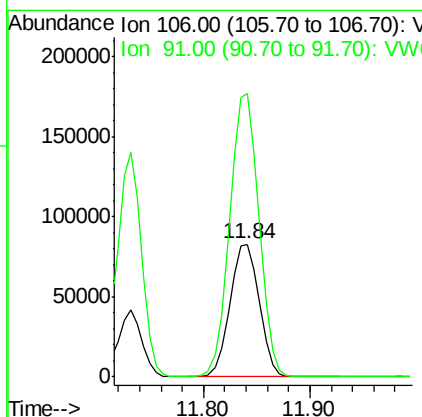
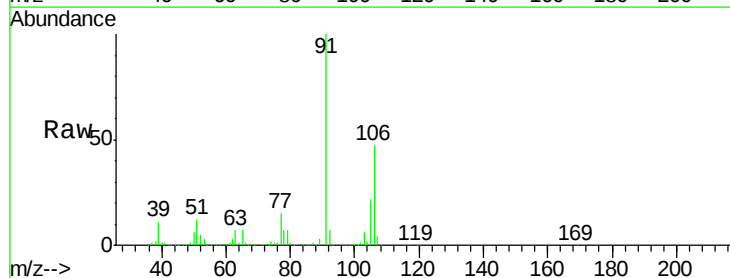
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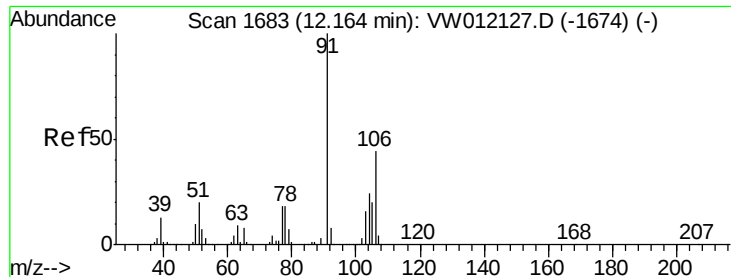
MMDadoda
9/3/2019 2:42:03 AM



#68
m/p-Xylenes
Concen: 39.519 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion: 106 Resp: 160247
Ion Ratio Lower Upper
106 100
91 212.8 169.5 254.3





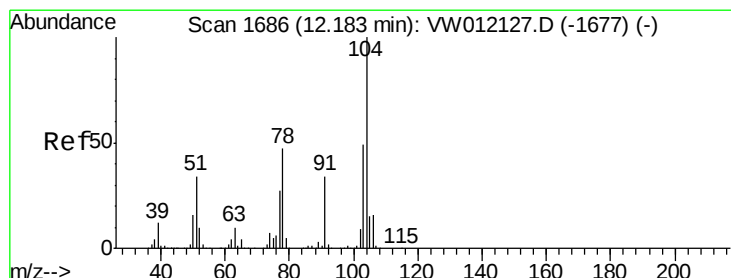
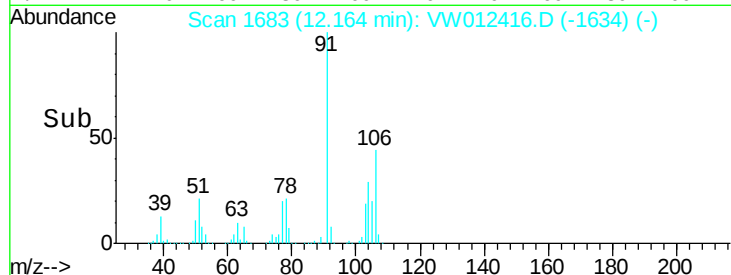
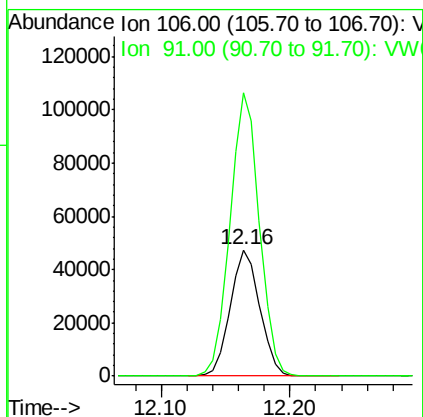
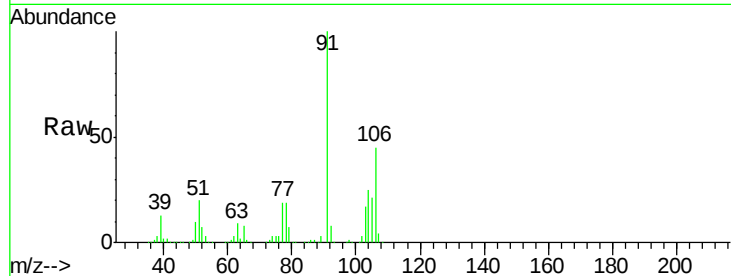
#69
o-Xylene
Concen: 20.292 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion:106 Resp: 76155
Ion Ratio Lower Upper
106 100
91 221.9 111.6 334.6

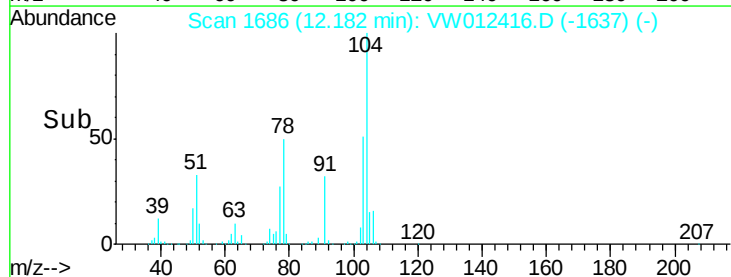
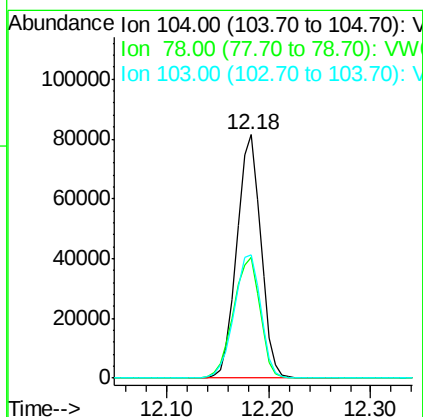
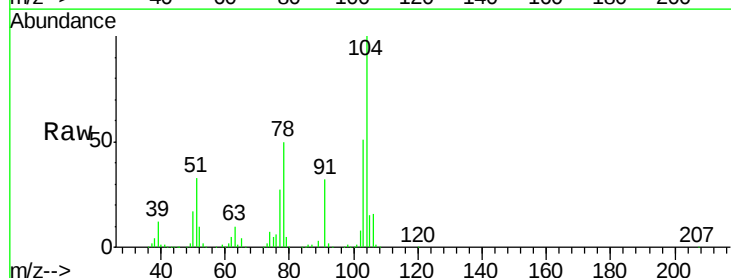
Manual Integrations
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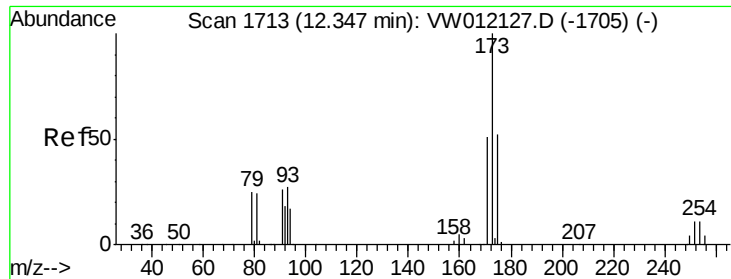
MMDadoda
9/3/2019 2:42:03 AM



#70
Styrene
Concen: 20.376 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion:104 Resp: 132362
Ion Ratio Lower Upper
104 100
78 55.1 43.1 64.7
103 56.0 43.5 65.3





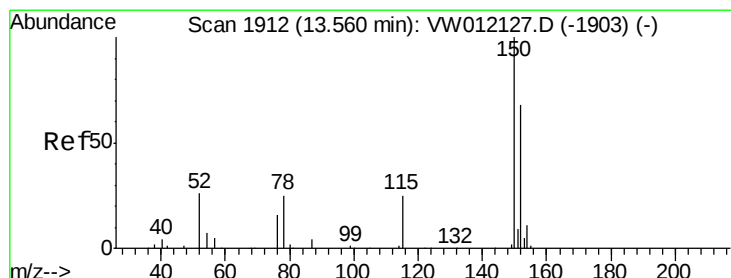
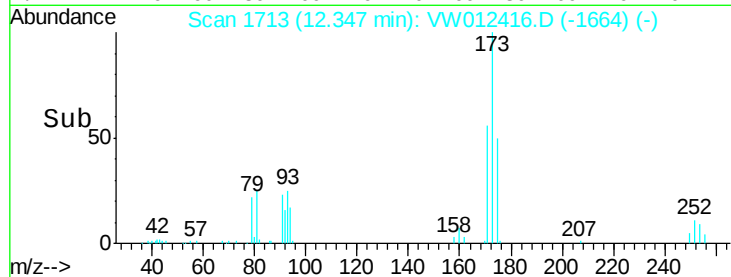
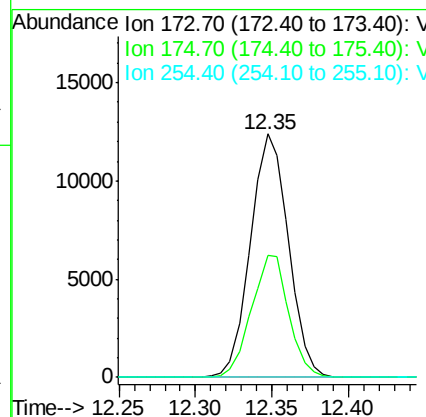
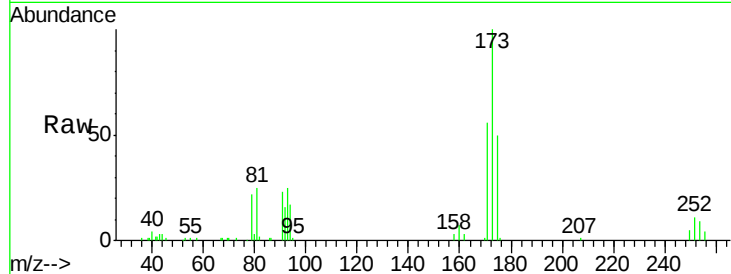
#71
Bromoform
Concen: 21.090 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.2	0.2

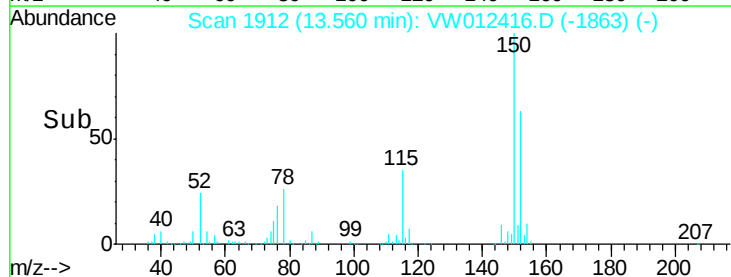
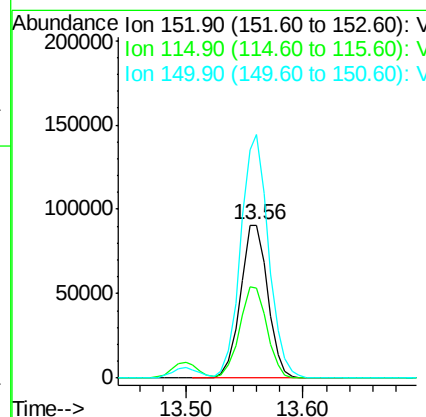
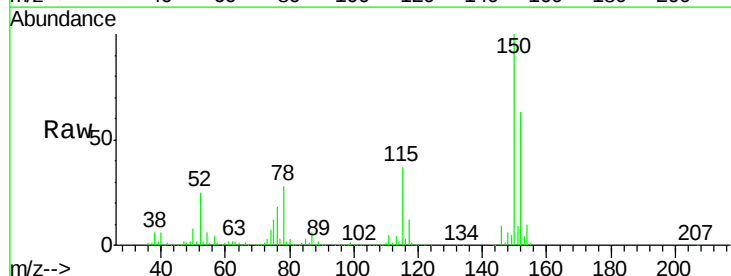
Manual Integrations
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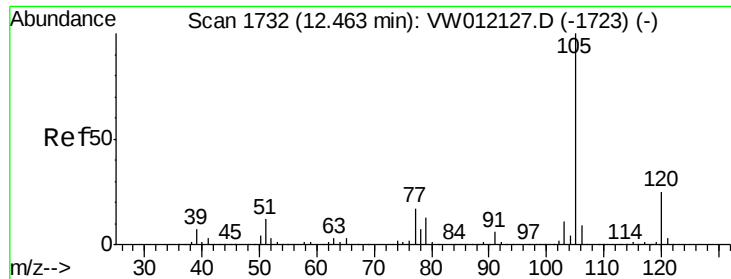
MMDadoda
9/3/2019 2:42:03 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.1	90.3
150	161.4	0.0	345.8





#73

Isopropylbenzene

Concen: 18.648 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 105 Resp: 207735

Ion Ratio Lower Upper

105 100

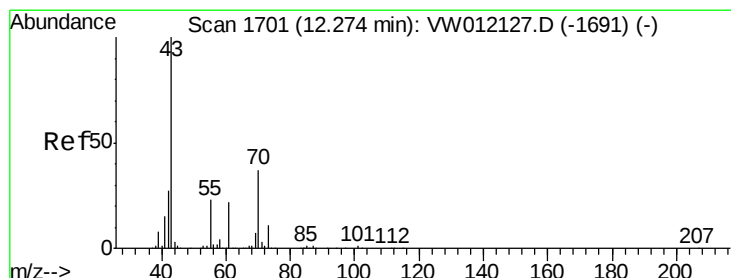
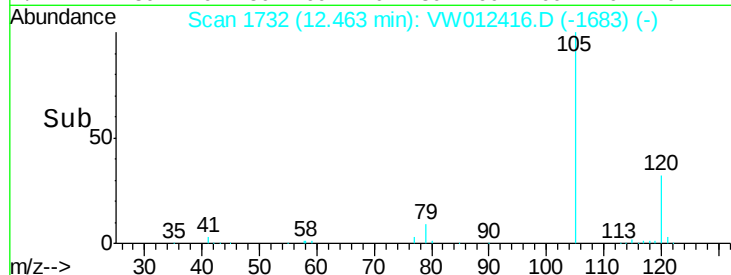
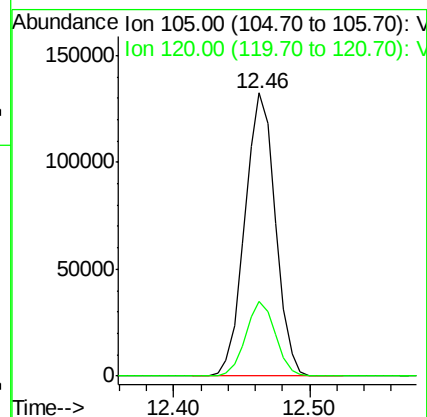
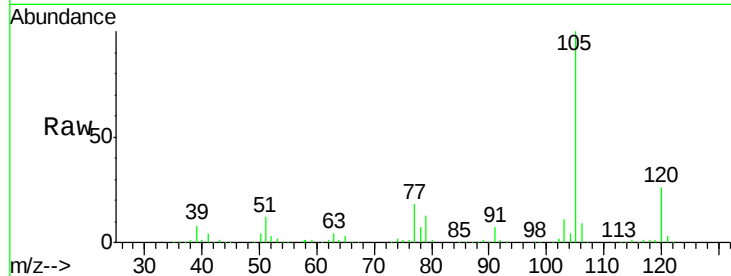
120 25.7 12.5 37.5

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 20.453 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion: 43 Resp: 68837

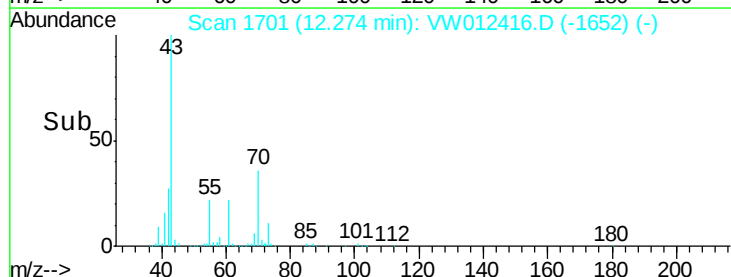
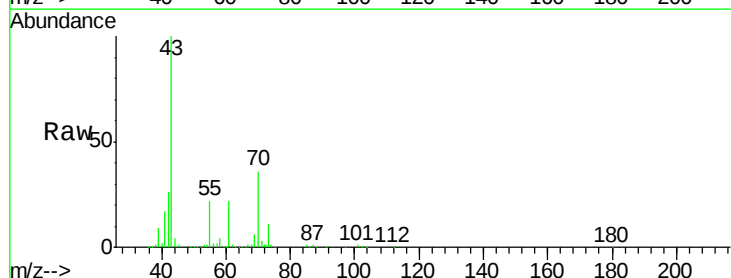
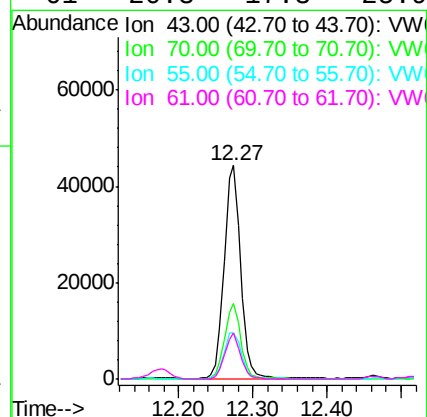
Ion Ratio Lower Upper

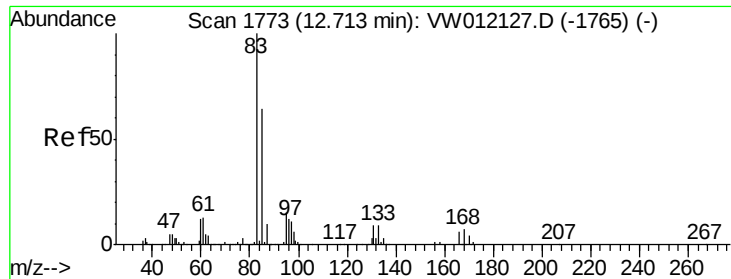
43 100

70 34.3 28.6 43.0

55 23.3 17.8 26.6

61 20.3 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.174 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

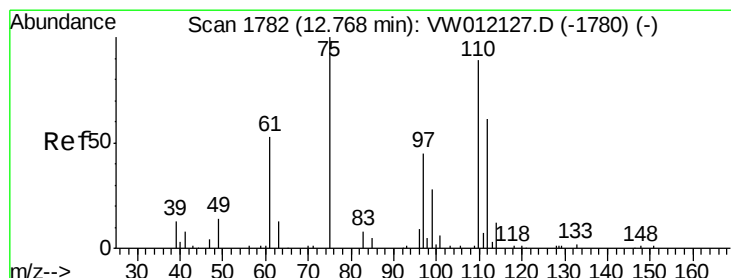
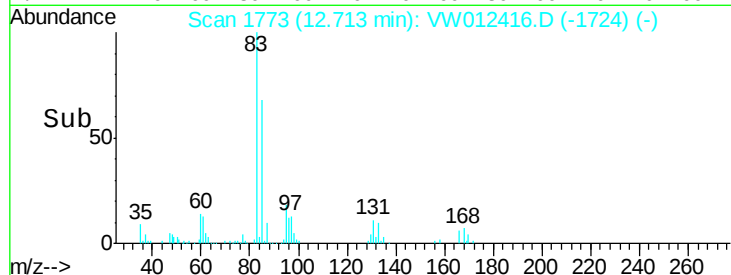
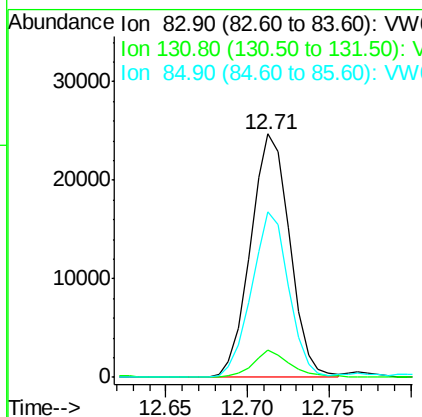
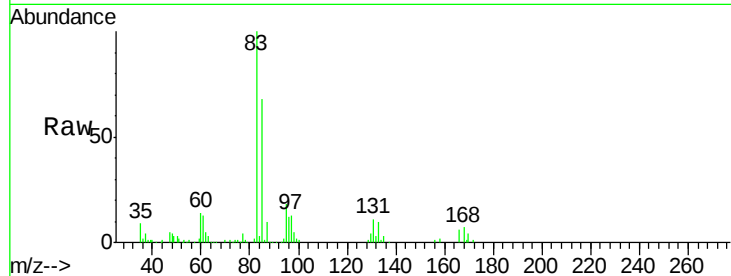
ClientSampleId :

VW0831SBS02

Tot Ion:	83	Resp:	41200
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.9	14.7
85	64.3	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.085 ug/l m

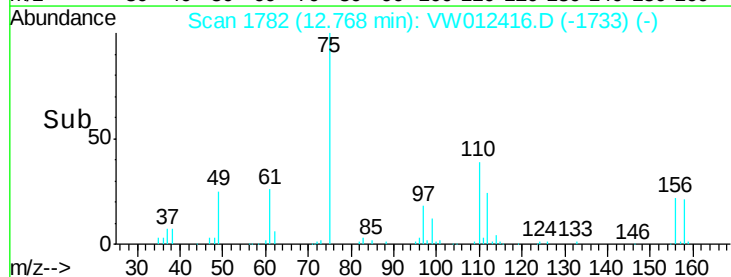
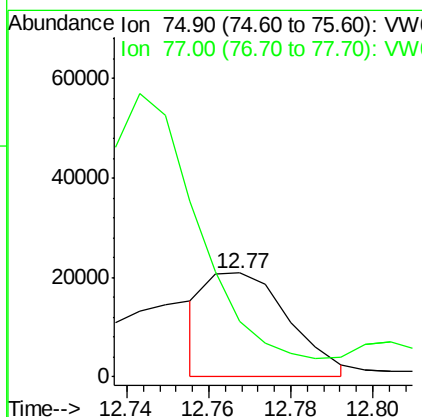
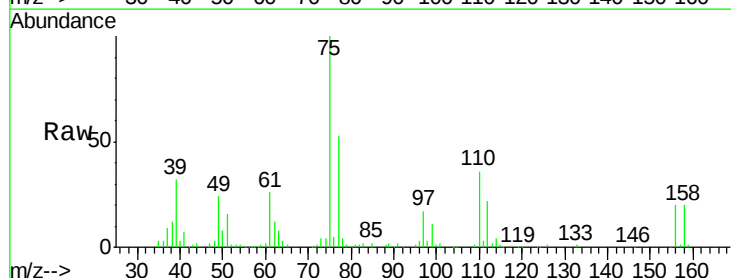
RT: 12.77 min Scan# 1782

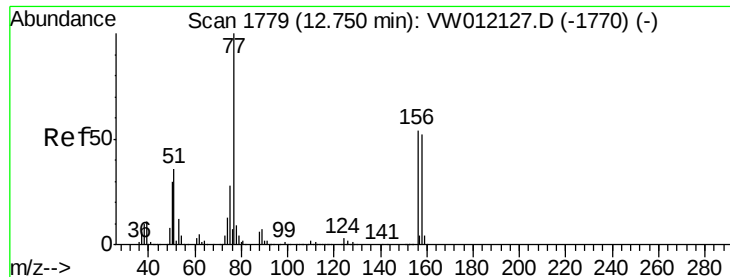
Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion:	75	Resp:	29080
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.273 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion:156 Resp: 48856

Ion Ratio Lower Upper

156 100

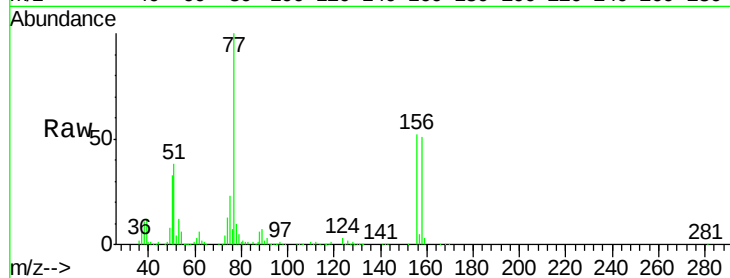
77 211.6 107.3 321.8

158 96.7 49.0 147.0

Manual Integrations
APPROVED

MMDadoda

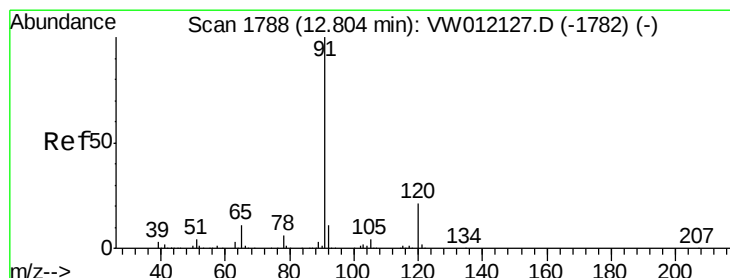
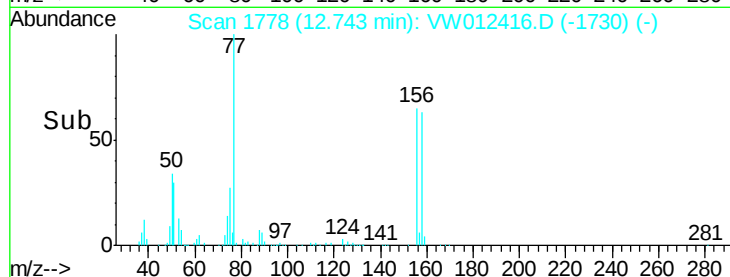
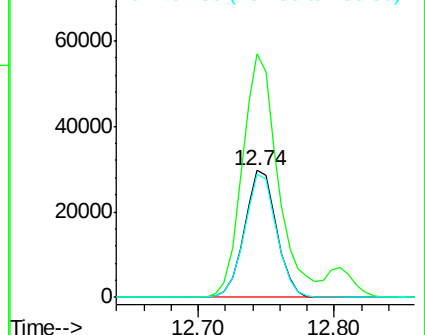
9/3/2019 2:42:03 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.725 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012416.D

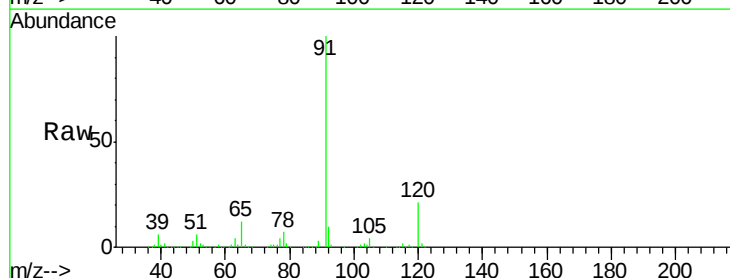
Acq: 31 Aug 2019 23:18

Tgt Ion: 91 Resp: 254649

Ion Ratio Lower Upper

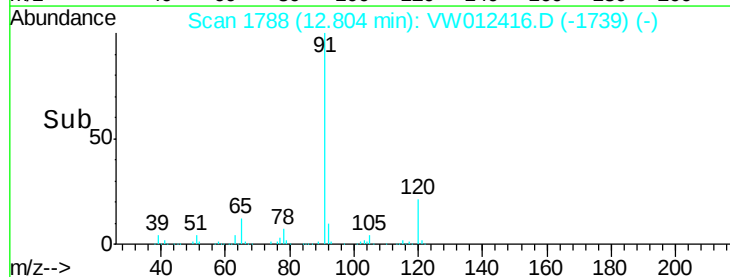
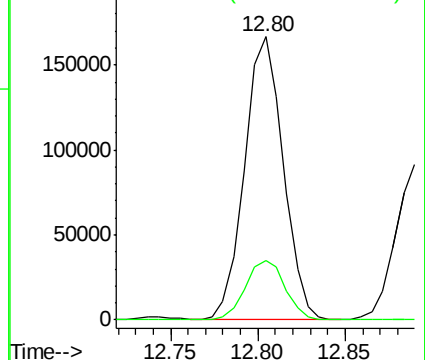
91 100

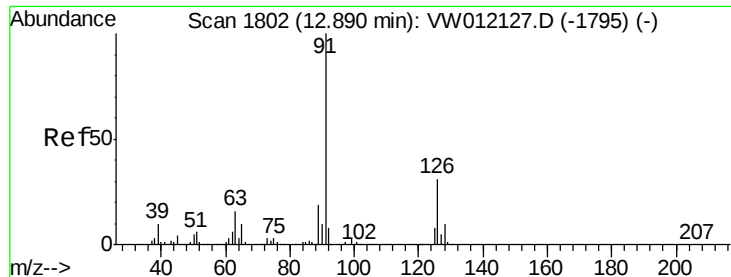
120 21.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.295 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampled :

VW0831SBS02

Tot Ion: 91 Resp: 148972

Ion Ratio Lower Upper

91 100

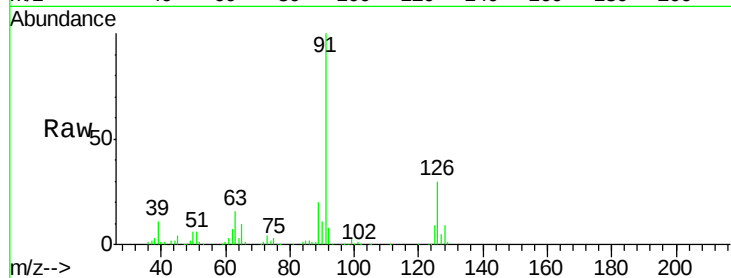
126 30.7 15.7 47.0

Manual Integrations

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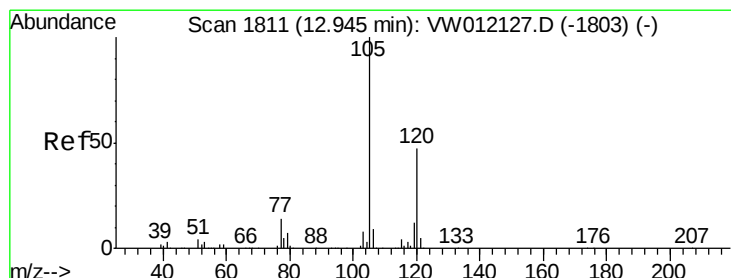
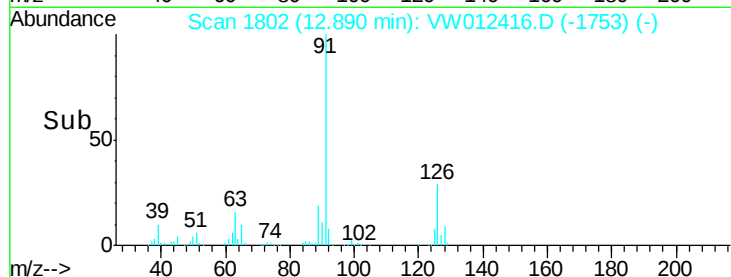
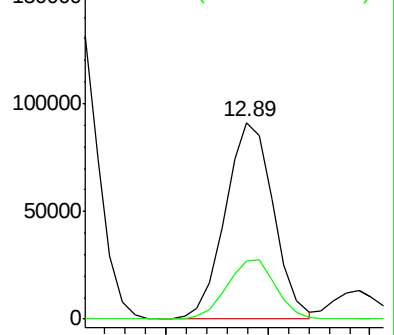
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.499 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012416.D

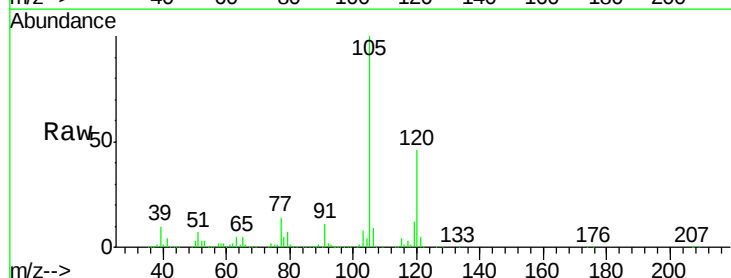
Acq: 31 Aug 2019 23:18

Tgt Ion:105 Resp: 181502

Ion Ratio Lower Upper

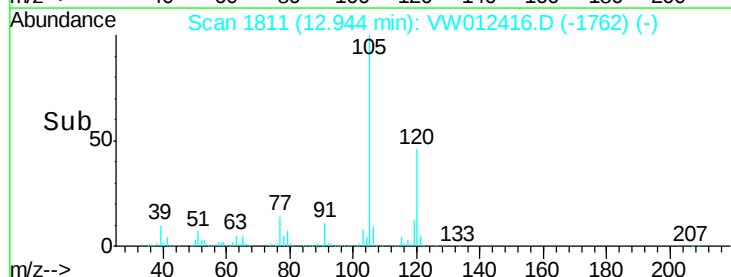
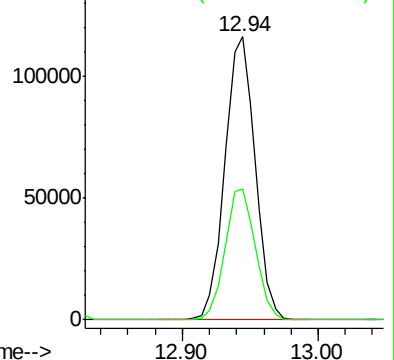
105 100

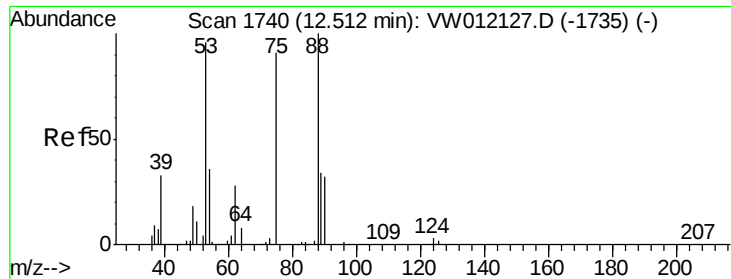
120 46.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





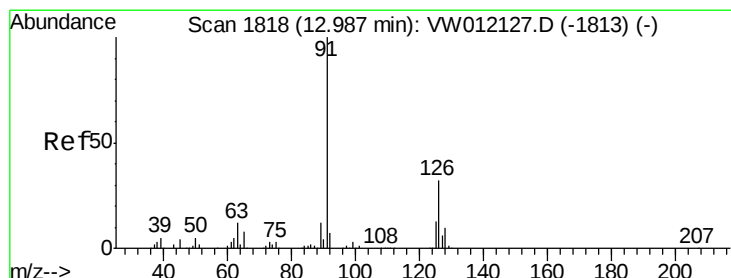
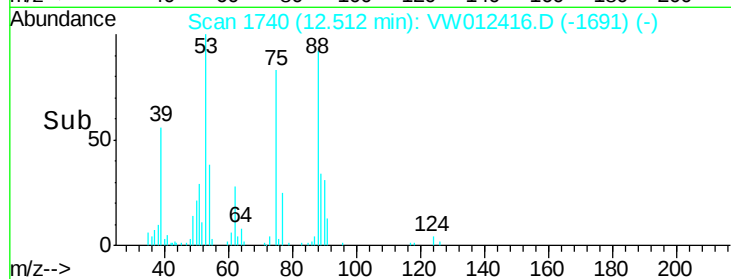
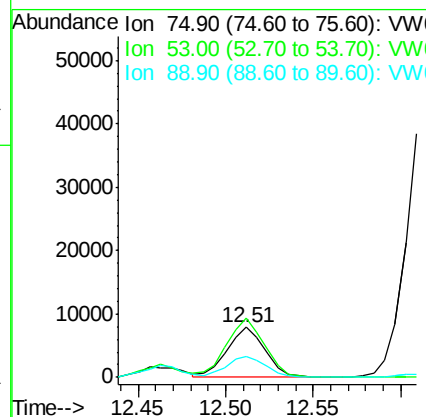
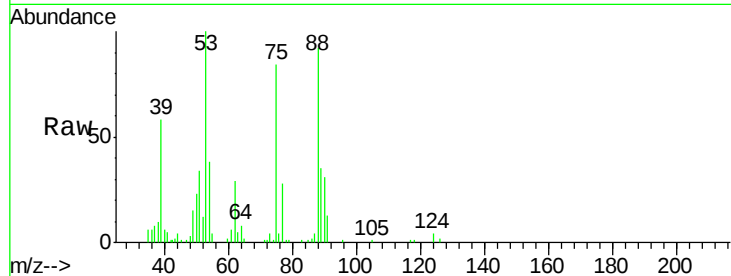
#81
trans-1,4-Dichloro-2-butene
Concen: 18.019 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.0	89.4	134.0
89	42.5	34.5	51.7

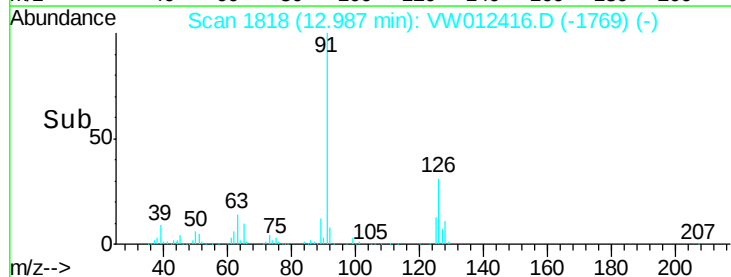
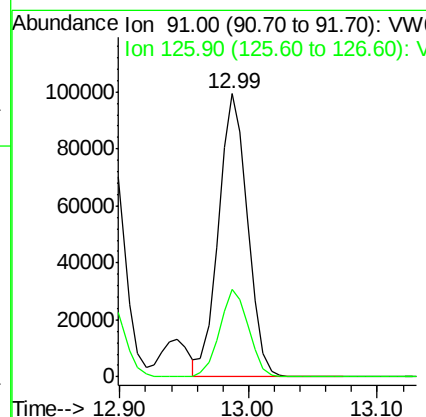
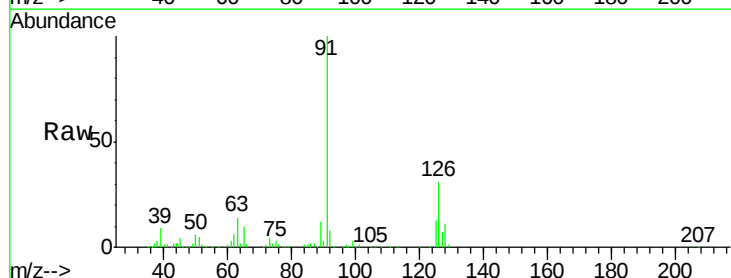
Manual Integrations
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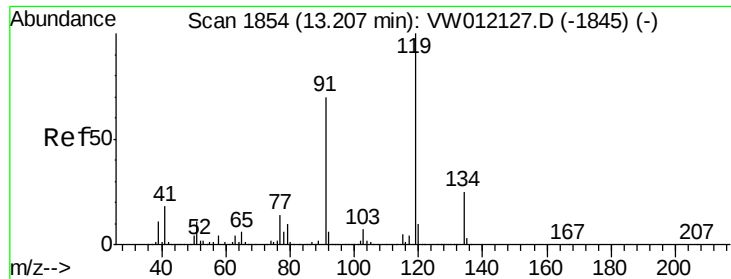
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9/3/2019 2:42:03 AM



#82
4-Chlorotoluene
Concen: 19.422 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8





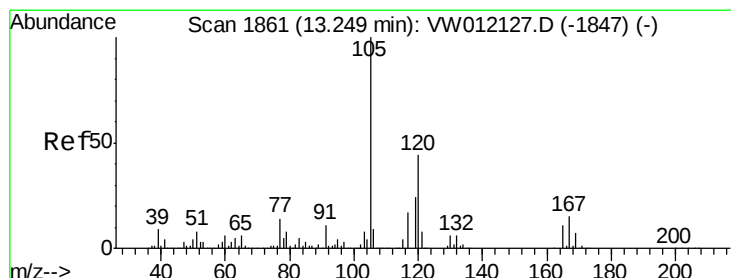
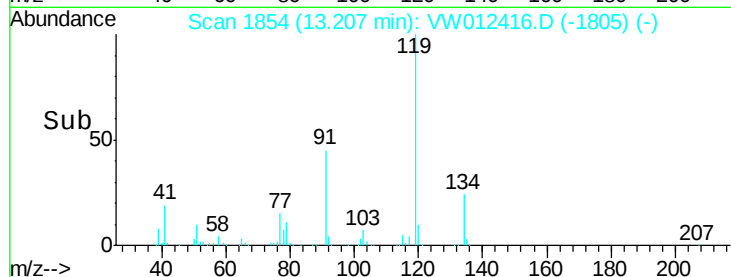
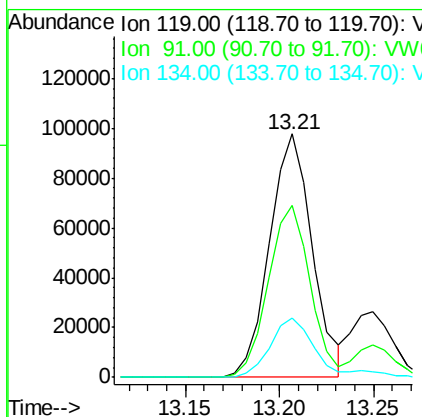
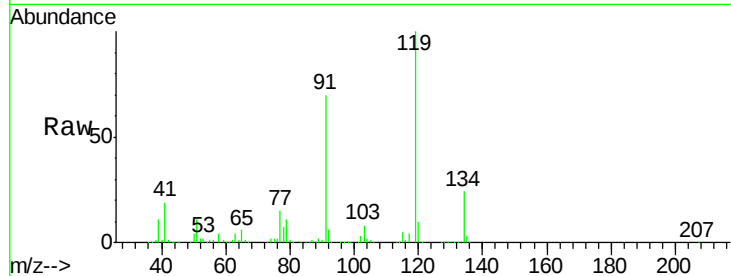
#83
tert-Butylbenzene
Concen: 19.462 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	153453		
91	69.2	34.8	104.3	
134	24.3	13.3	39.8	

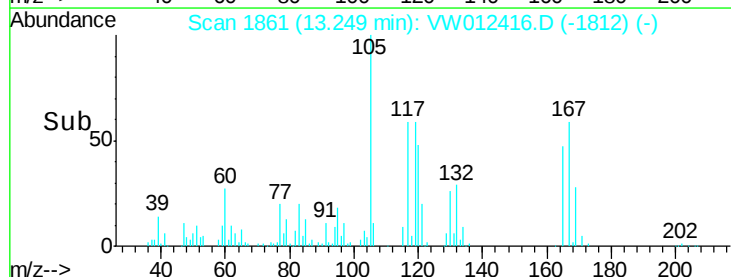
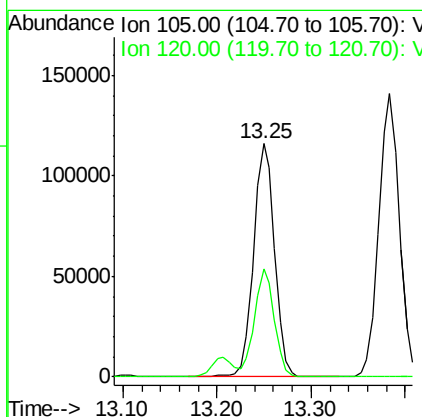
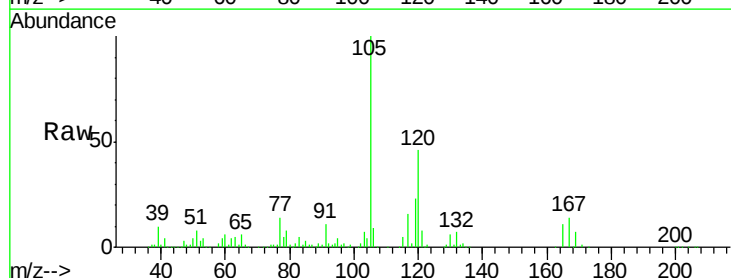
Manual Integrations
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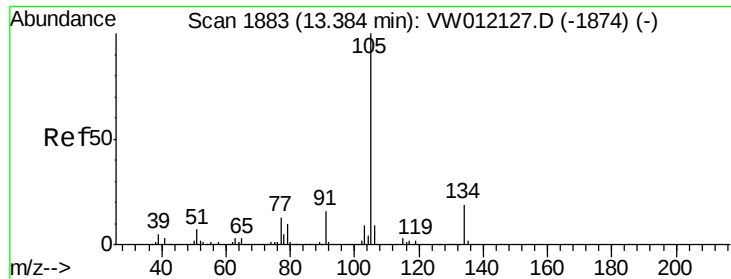
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#84
1,2,4-Trimethylbenzene
Concen: 19.540 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182709		
120	43.5	21.9	65.7	





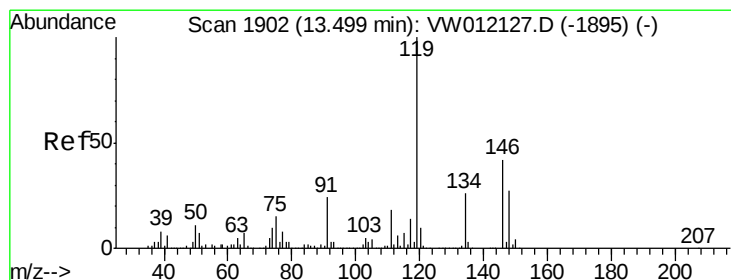
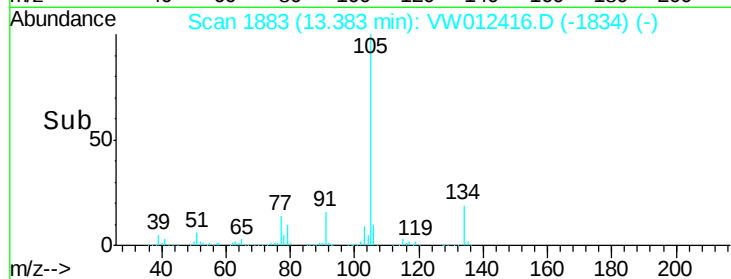
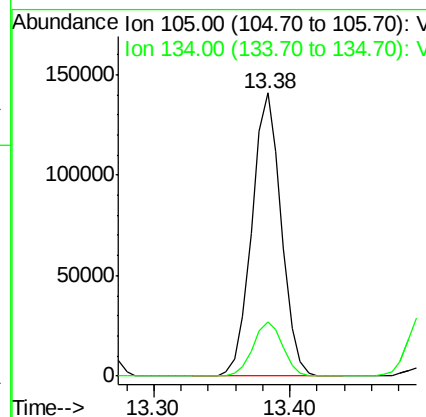
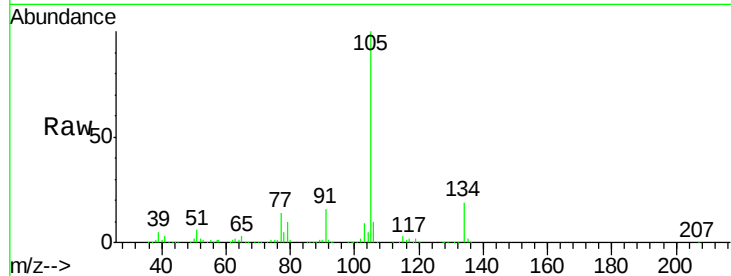
#85
 sec-Butylbenzene
 Concen: 18.876 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	213234		
134	19.4	9.8	29.4	

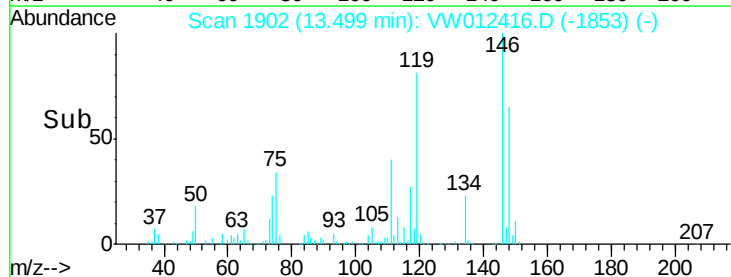
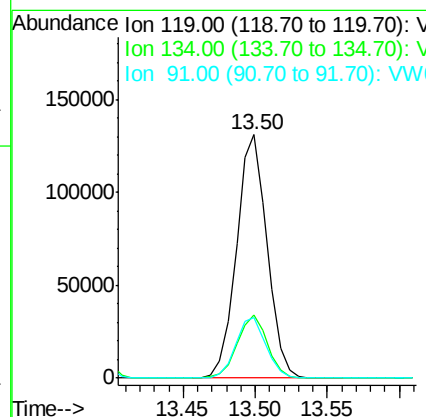
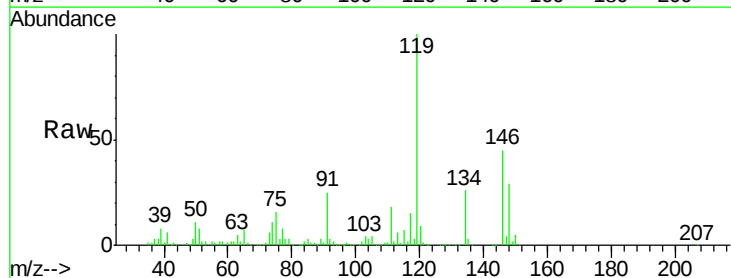
Manual Integrations
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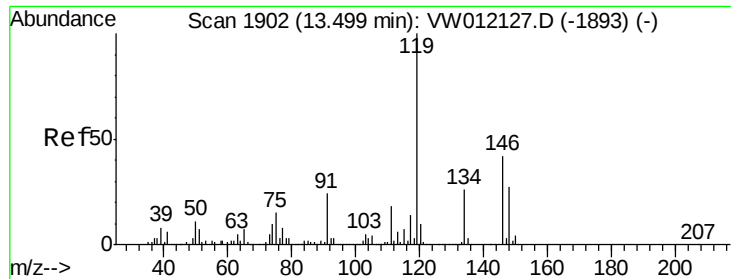
MMDadoda
 9/3/2019 2:42:03 AM



#86
 p-Isopropyltoluene
 Concen: 19.092 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	192604		
134	25.7	12.8	38.3	
91	24.9	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 19.791 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

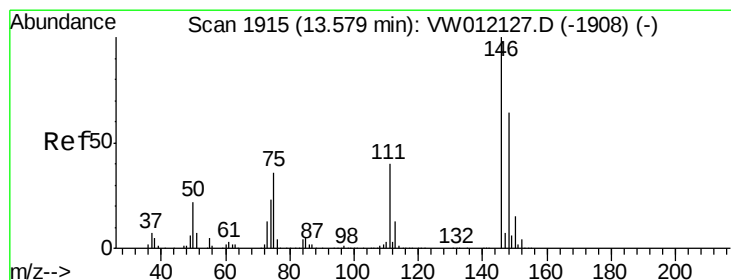
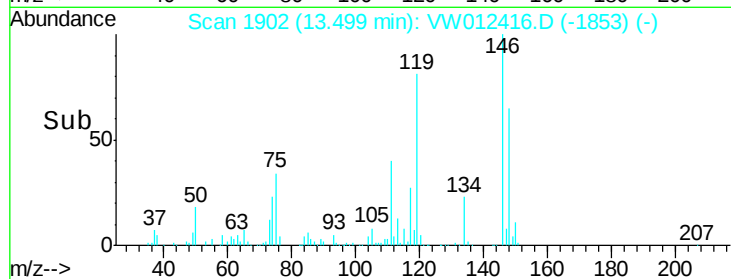
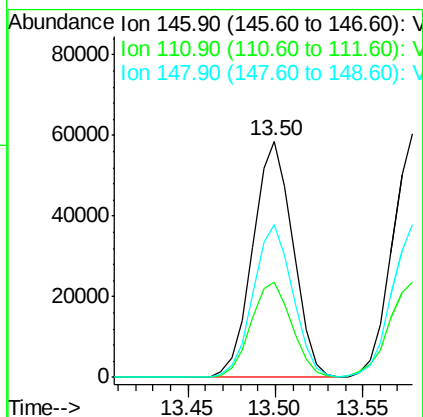
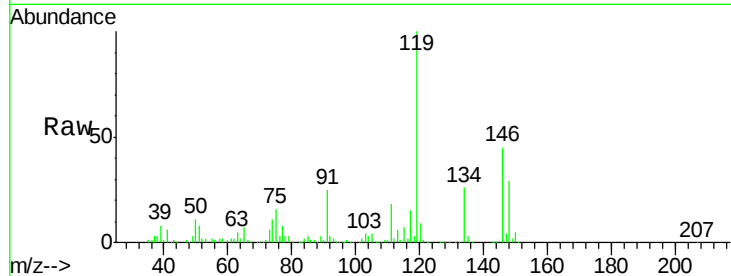
ClientSampleId :

VW0831SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.7
148	63.9	32.2	96.6

Manual Integrations
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9/3/2019 2:42:03 AM



#88

1,4-Dichlorobenzene

Concen: 20.021 ug/l

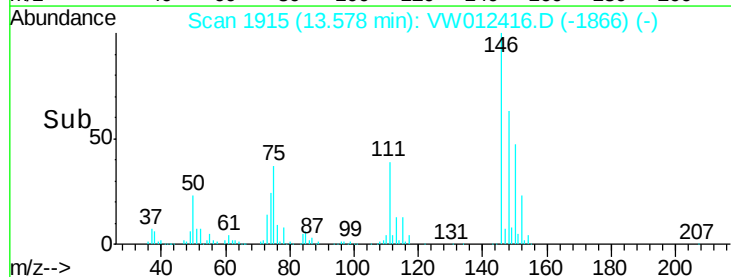
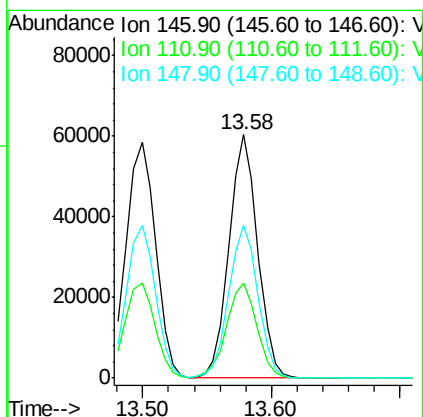
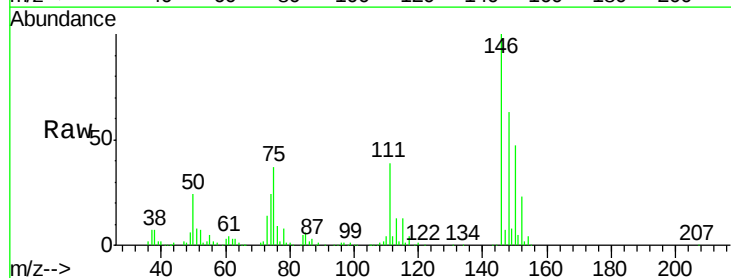
RT: 13.58 min Scan# 1915

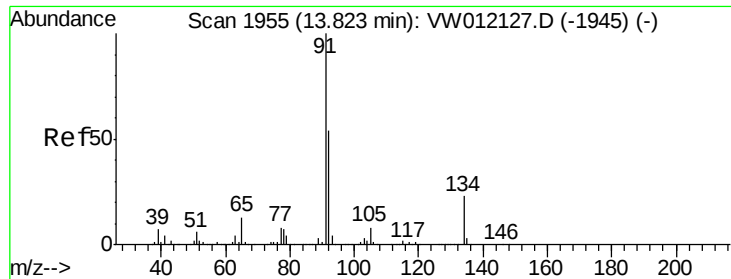
Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	60.0
148	64.4	32.1	96.3





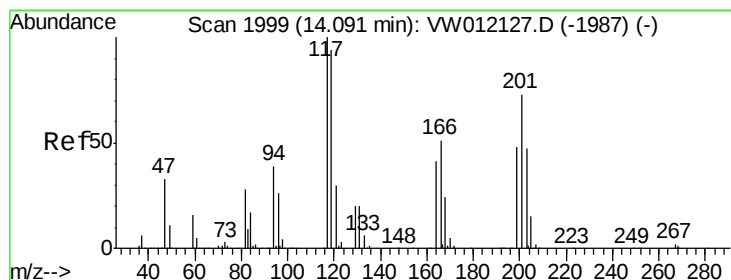
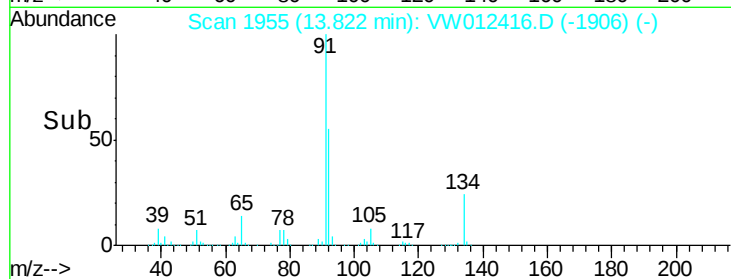
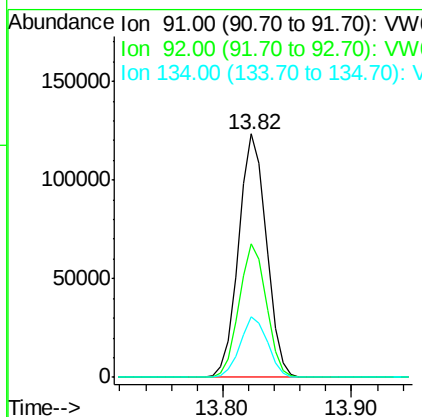
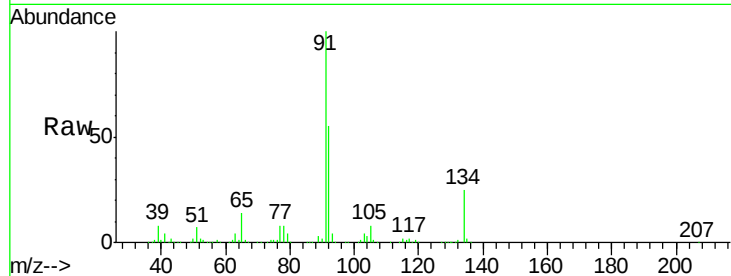
#89
n-Butylbenzene
Concen: 18.310 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	183694		
92	54.0		27.1	81.2
134	24.7		12.2	36.4

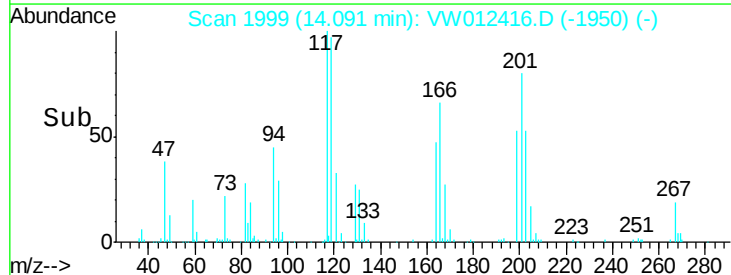
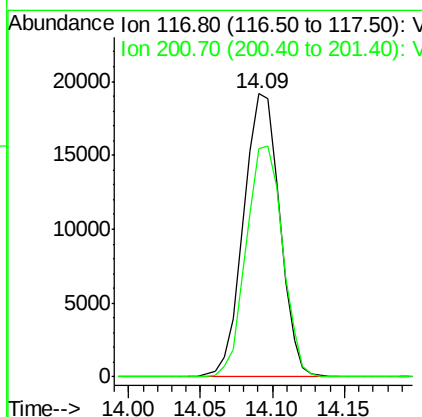
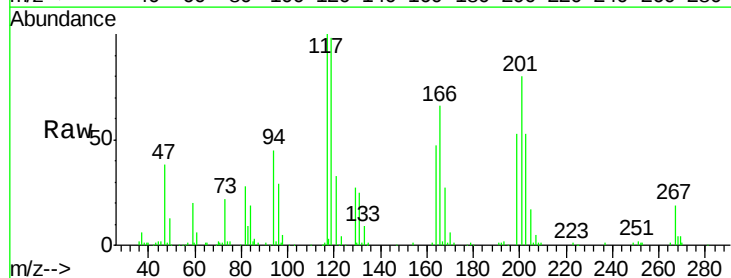
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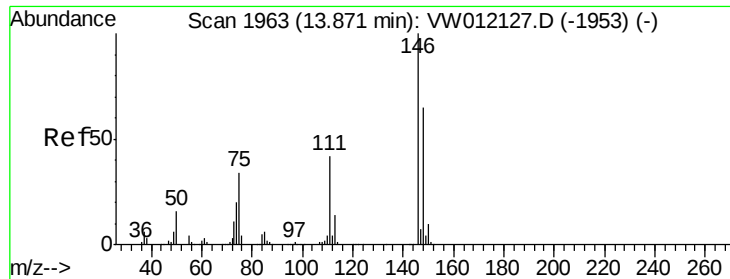
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#90
Hexachloroethane
Concen: 18.883 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33422		
201	81.7		38.6	115.7





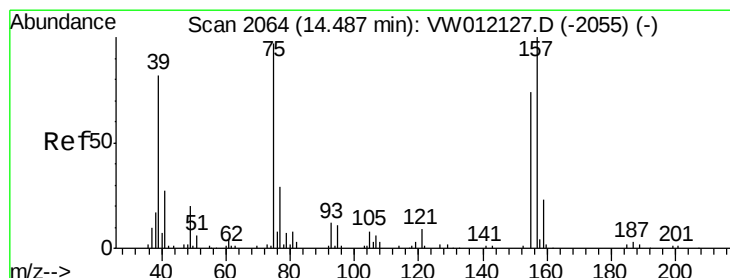
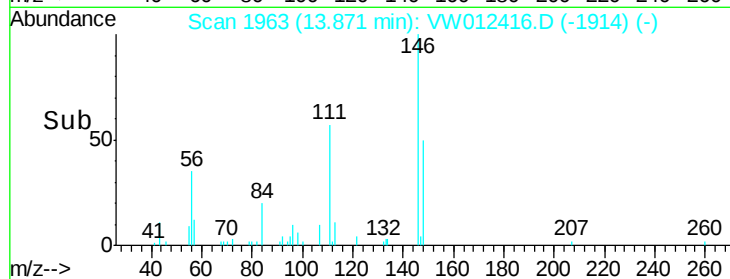
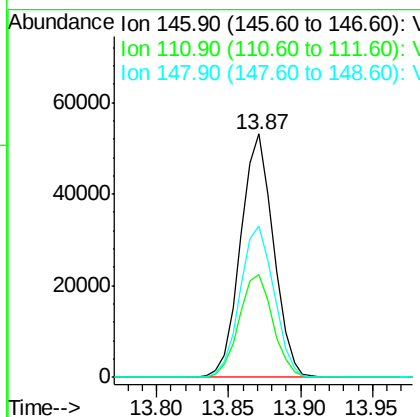
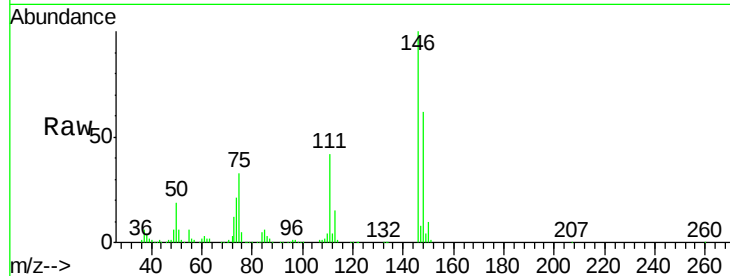
#91
 1,2-Dichlorobenzene
 Concen: 20.323 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	64.0	32.5	97.4

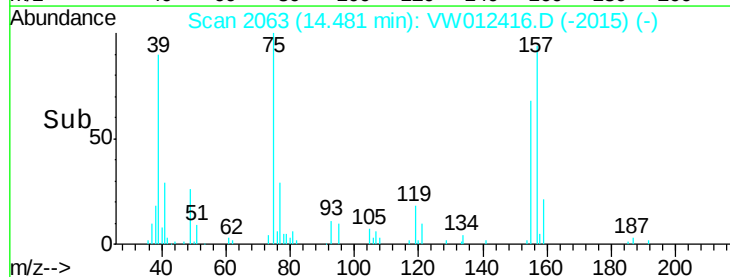
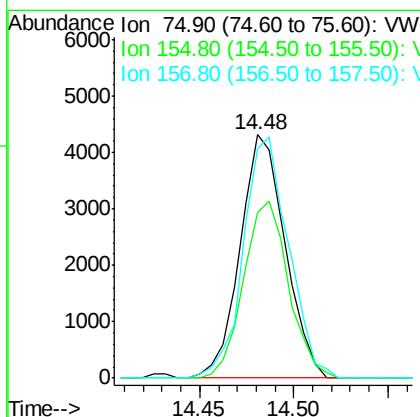
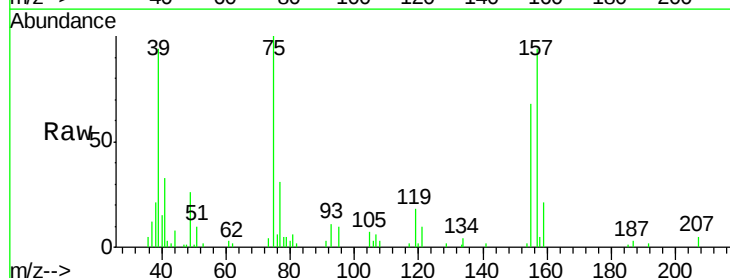
Manual Integrations
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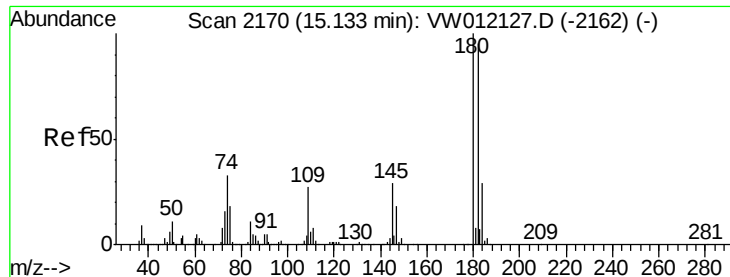
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.774 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	37.5	112.3
157	99.3	50.5	151.5





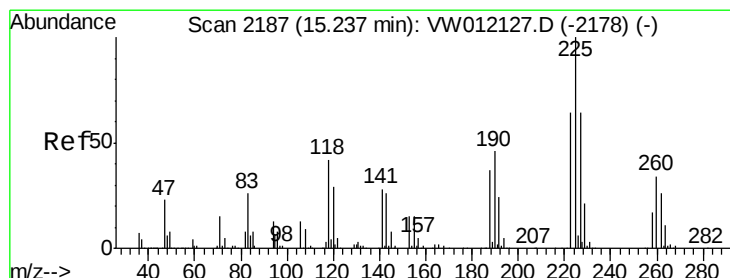
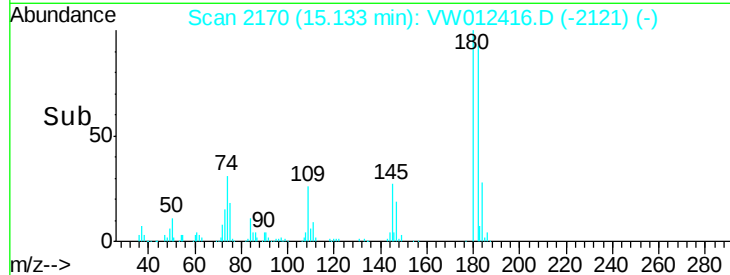
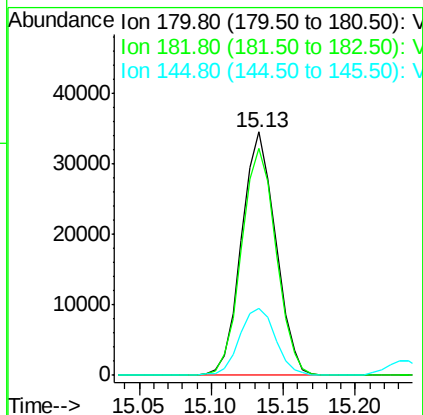
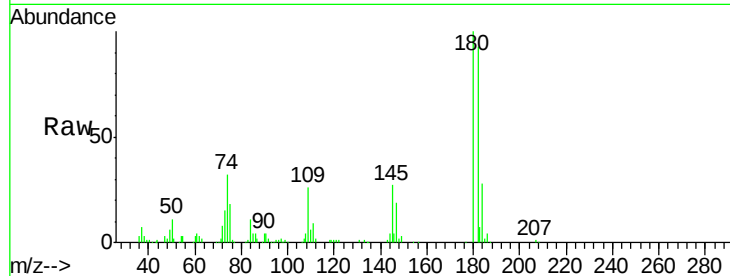
#93
 1,2,4-Trichlorobenzene
 Concen: 19.787 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56543		
182	94.8	47.8	143.4	
145	29.2	15.0	45.1	

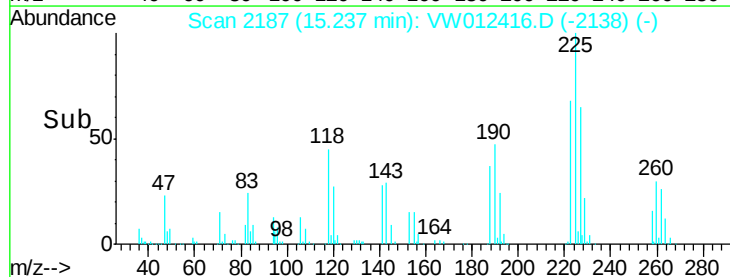
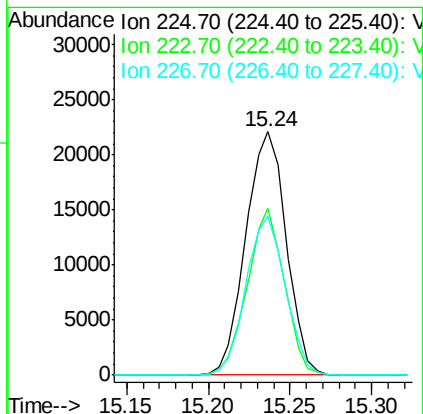
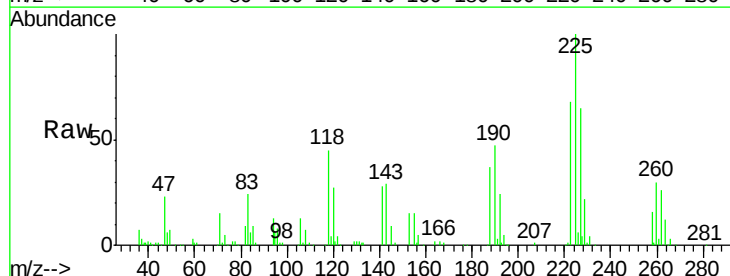
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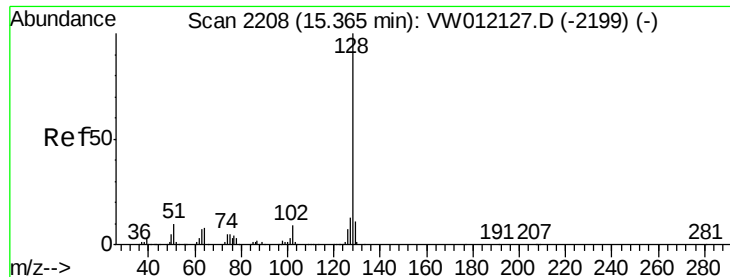
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 9/3/2019 2:42:03 AM



#94
 Hexachlorobutadiene
 Concen: 20.180 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38078		
223	63.1	32.3	96.8	
227	63.7	32.9	98.6	





#95

Naphthalene

Concen: 20.006 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

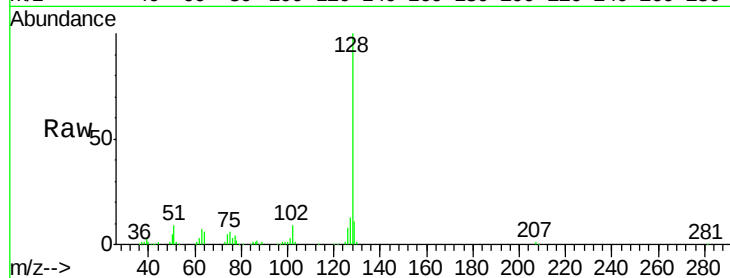
ClientSampleId :

VW0831SBS02

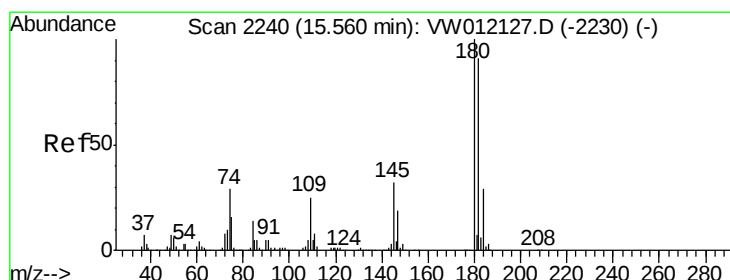
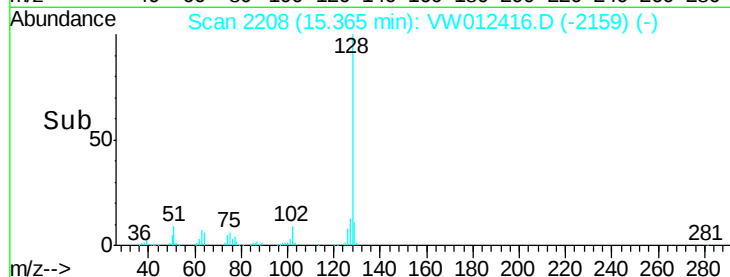
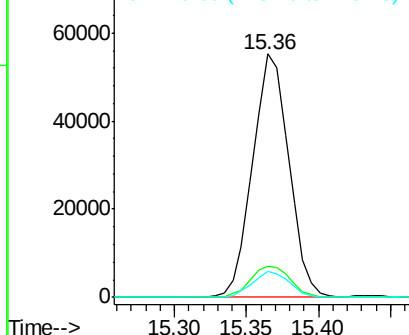
Tot Ion:	128	Resp:	96271
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.933 ug/l

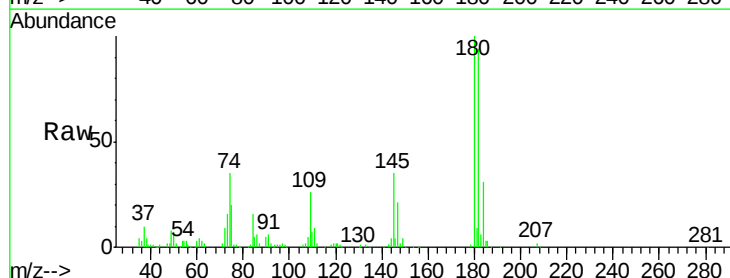
RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion:	180	Resp:	49697
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.1	141.3
145	33.1	16.2	48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

