

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012294.D
 Acq On : 29 Aug 2019 11:19
 Operator : SY/VA
 Sample : VW0829SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:41:18 AM

Quant Time: Aug 30 07:03:05 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	279228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	180145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	157371	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	7.88	113	130175	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.32	98	541347	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.62	95	189798	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29745	17.301	ug/l	100
3) Chloromethane	2.21	50	47478	17.824	ug/l	98
4) Vinyl Chloride	2.35	62	58565	17.963	ug/l	99
5) Bromomethane	2.77	94	26367	15.969	ug/l	99
6) Chloroethane	2.90	64	32080	17.443	ug/l	98
7) Trichlorofluoromethane	3.24	101	31936	19.508	ug/l	96
8) Diethyl Ether	3.68	74	30323	19.514	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51984	18.681	ug/l	98
10) Methyl Iodide	4.26	142	70796	18.803	ug/l	98
11) Tert butyl alcohol	5.20	59	18570	92.963	ug/l	95
12) 1,1-Dichloroethene	4.03	96	52422	18.717	ug/l	96
13) Acrolein	3.89	56	14877	79.118	ug/l	94
14) Allyl chloride	4.66	41	117060	19.550	ug/l	99
15) Acrylonitrile	5.37	53	72595	94.254	ug/l	99
16) Acetone	4.13	43	68518	80.753	ug/l	98
17) Carbon Disulfide	4.37	76	131339	15.516	ug/l	100
18) Methyl Acetate	4.67	43	40521	19.281	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	91806	20.269	ug/l	99
20) Methylene Chloride	4.91	84	60434	18.841	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	57471	19.135	ug/l	96
22) Diisopropyl ether	6.31	45	225908	20.354	ug/l	98
23) Vinyl Acetate	6.25	43	656567	96.125	ug/l	100
24) 1,1-Dichloroethane	6.21	63	120021	19.861	ug/l	99
25) 2-Butanone	7.17	43	101812	88.302	ug/l	98
26) 2,2-Dichloropropane	7.17	77	68407	19.999	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	63360	19.745	ug/l	98
28) Bromochloromethane	7.51	49	52752	20.028	ug/l #	98
29) Tetrahydrofuran	7.53	42	66007	95.420	ug/l	99
30) Chloroform	7.67	83	108783	19.676	ug/l	96
31) Cyclohexane	7.95	56	109533	18.320	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	87108	19.916	ug/l	99
36) 1,1-Dichloropropene	8.08	75	88373	19.475	ug/l	99
37) Ethyl Acetate	7.25	43	47868	19.250	ug/l	98
38) Carbon Tetrachloride	8.07	117	74808	19.047	ug/l	98

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Quant Time: Aug 30 07:03:05 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)
39) Methylcyclohexane	9.33	83	98424	19.307	ug/l	95
40) Benzene	8.32	78	244944	19.769	ug/l	98
41) Methacrylonitrile	7.48	41	28944	19.805	ug/l	96
42) 1,2-Dichloroethane	8.40	62	74165	19.098	ug/l	98
43) Isopropyl Acetate	8.42	43	88818	19.283	ug/l	98
44) Trichloroethene	9.09	130	60407	20.055	ug/l	98
45) 1,2-Dichloropropane	9.37	63	66323	19.889	ug/l	96
46) Dibromomethane	9.46	93	28860	19.451	ug/l	98
47) Bromodichloromethane	9.64	83	78294	19.828	ug/l	99
48) Methyl methacrylate	9.43	41	42442	19.360	ug/l	97
49) 1,4-Dioxane	9.47	88	7592	334.248	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	224931	96.012	ug/l	100
52) Toluene	10.38	92	149746	20.118	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	79300	19.715	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	95930	19.752	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	41856	19.939	ug/l	96
56) Ethyl methacrylate	10.65	69	61007	19.968	ug/l	96
57) 1,3-Dichloropropane	10.93	76	78993	19.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	159779	101.899	ug/l	100
59) 2-Hexanone	10.97	43	155730	93.947	ug/l	100
60) Dibromochloromethane	11.13	129	45694	19.542	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38537	19.705	ug/l	99
64) Tetrachloroethene	10.86	164	49176	19.976	ug/l	97
65) Chlorobenzene	11.66	112	150037	20.067	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	52307	20.054	ug/l	99
67) Ethyl Benzene	11.73	91	293377	20.370	ug/l	98
68) m/p-Xylenes	11.84	106	210903	40.653	ug/l	99
69) o-Xylene	12.16	106	97842	20.377	ug/l	100
70) Styrene	12.18	104	170031	20.458	ug/l	99
71) Bromoform	12.35	173	25034	19.264	ug/l #	98
73) Isopropylbenzene	12.46	105	281379	20.845	ug/l	99
74) N-amyl acetate	12.27	43	79419	19.474	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	48702	19.680	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	32579m	18.569	ug/l	
77) Bromobenzene	12.74	156	60387	20.679	ug/l	96
78) n-propylbenzene	12.80	91	338328	20.531	ug/l	99
79) 2-Chlorotoluene	12.89	91	191598	20.479	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	233325	20.686	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15451	19.309	ug/l	99
82) 4-Chlorotoluene	12.99	91	202681	20.690	ug/l	100
83) tert-Butylbenzene	13.21	119	201513	21.091	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	231226	20.408	ug/l	99
85) sec-Butylbenzene	13.38	105	288199	21.054	ug/l	99
86) p-Isopropyltoluene	13.50	119	257111	21.032	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	117008	20.485	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	115380	20.344	ug/l	98
89) n-Butylbenzene	13.82	91	252139	20.741	ug/l	99
90) Hexachloroethane	14.09	117	42700	19.909	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	103033	20.562	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7622	18.270	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	73255	21.155	ug/l	99
94) Hexachlorobutadiene	15.24	225	47523	20.784	ug/l	99
95) Naphthalene	15.36	128	127808	21.505	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	64023	21.191	ug/l	100

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

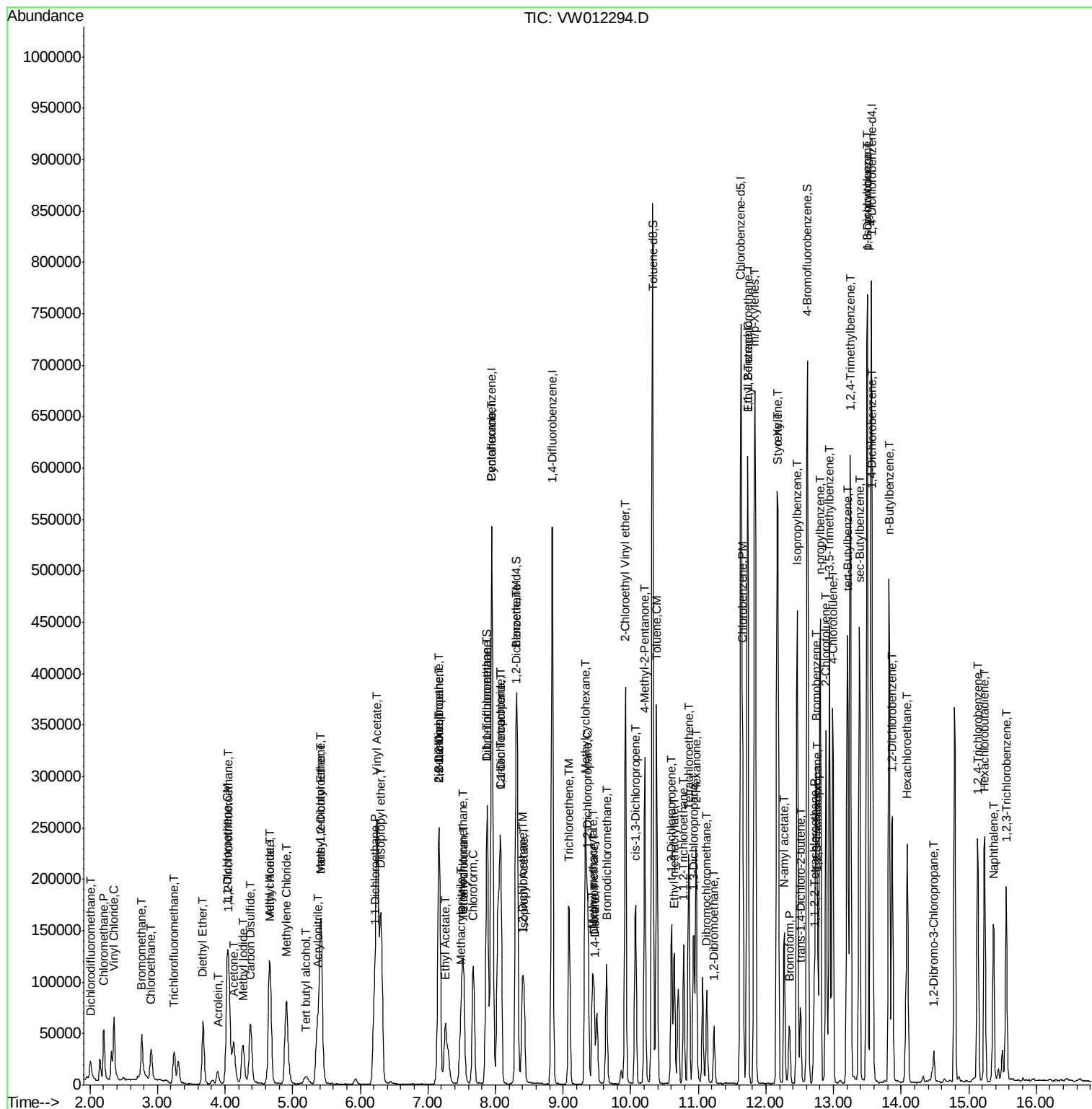
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Data File : VW012294.D
Acq On : 29 Aug 2019 11:19
Operator : SY/VA
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion:168 Resp: 279228

Ion Ratio Lower Upper

168 100

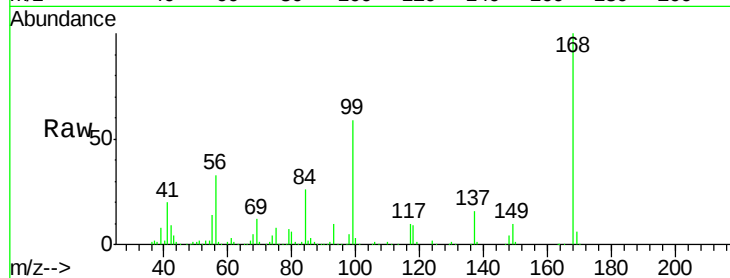
99 59.1 49.2 73.8

Manual Integrations

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8/30/2019 11:41:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

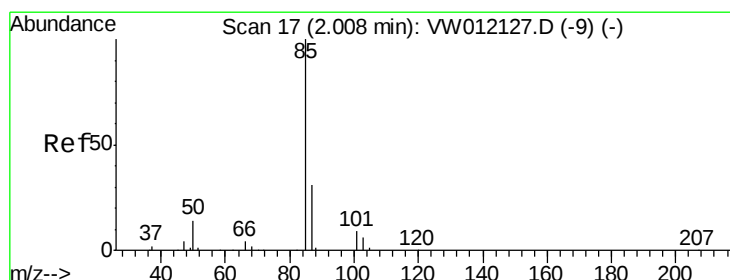
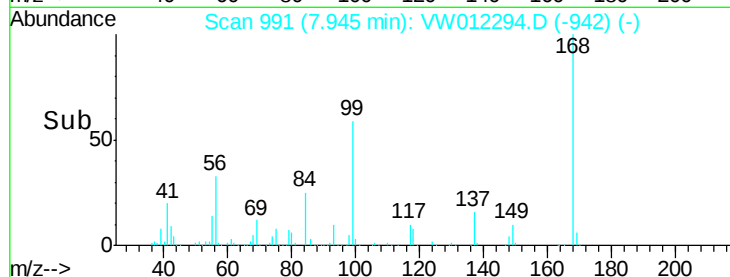
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.301 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012294.D

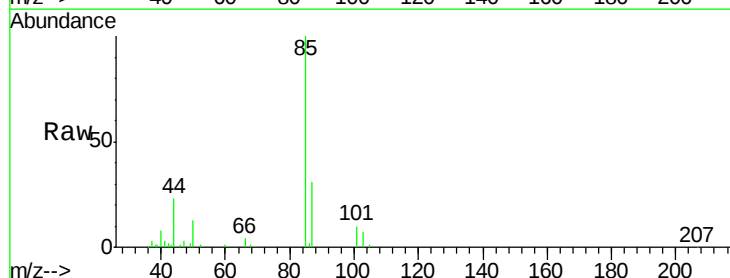
Acq: 29 Aug 2019 11:19

Tgt Ion: 85 Resp: 29745

Ion Ratio Lower Upper

85 100

87 31.4 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

12000

10000

8000

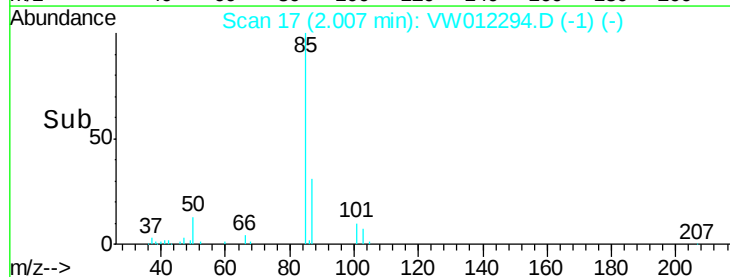
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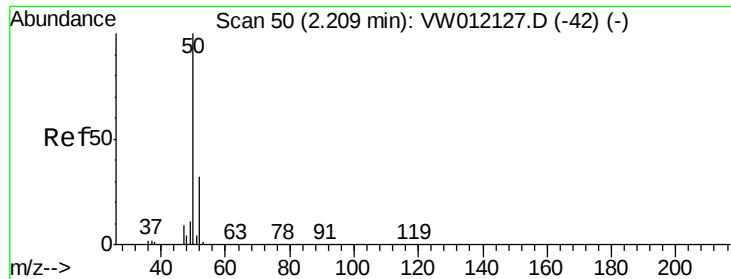
4000

2000

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Time-->





#3

Chloromethane

Concen: 17.824 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 50 Resp: 47478

Ion Ratio Lower Upper

50 100

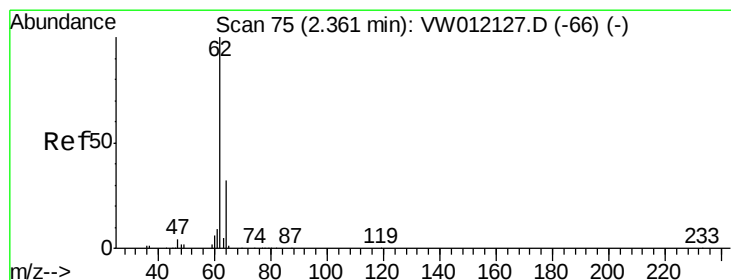
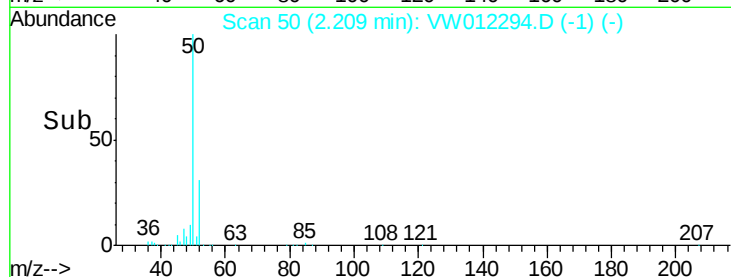
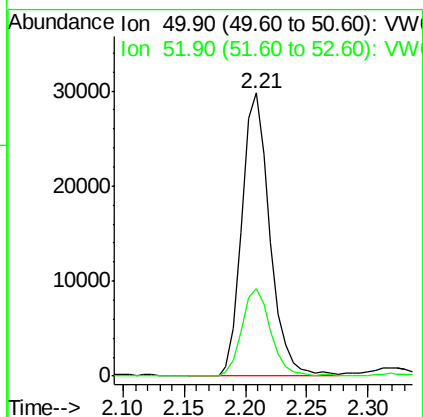
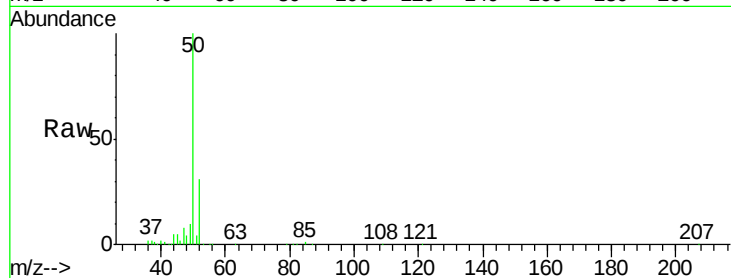
52 30.9 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.963 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012294.D

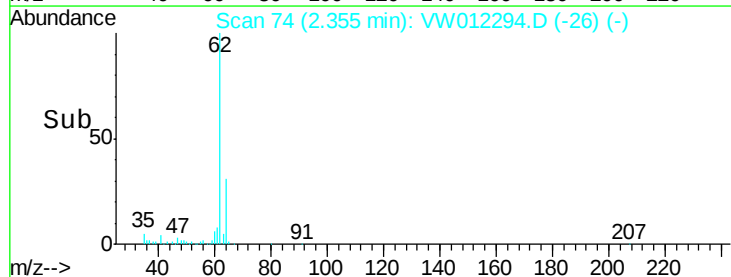
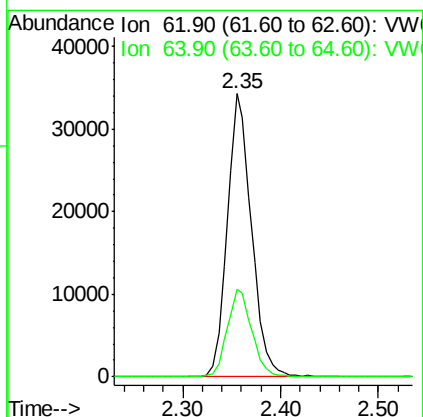
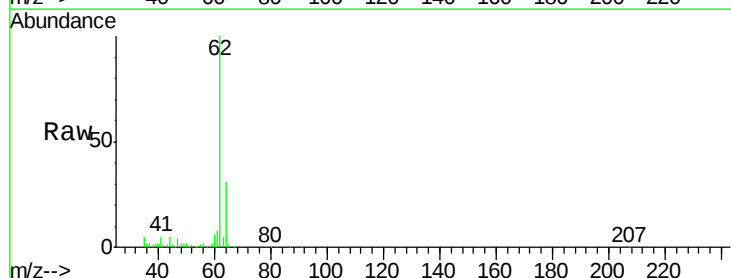
Acq: 29 Aug 2019 11:19

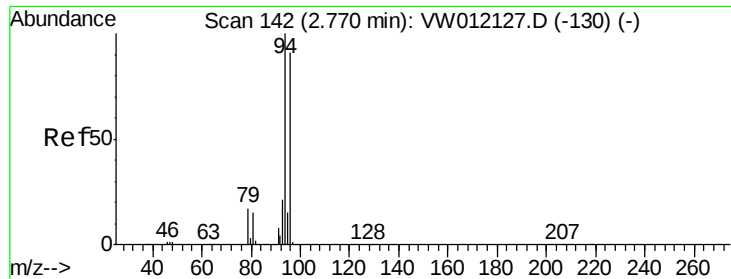
Tgt Ion: 62 Resp: 58565

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 15.969 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 94 Resp: 26367

Ion Ratio Lower Upper

94 100

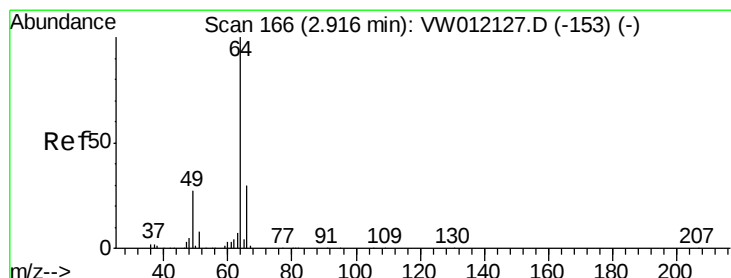
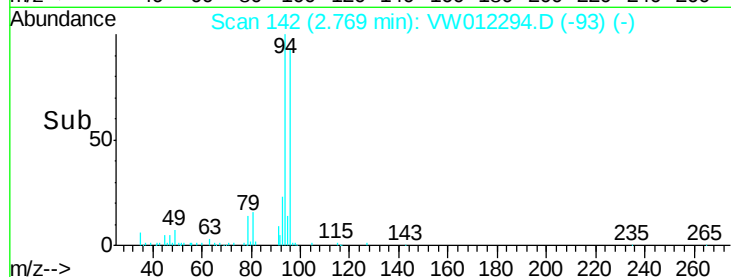
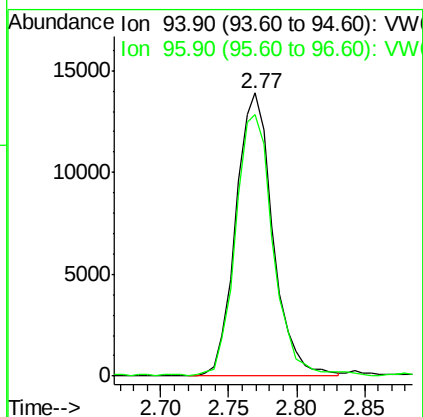
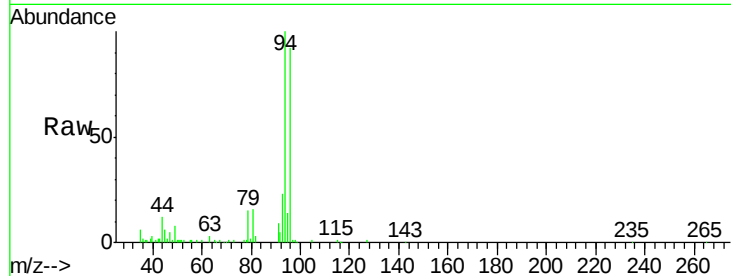
96 92.4 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.443 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012294.D

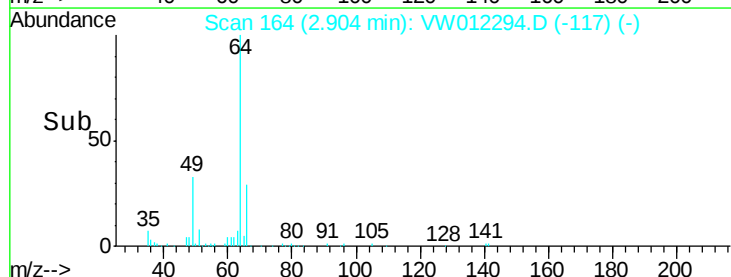
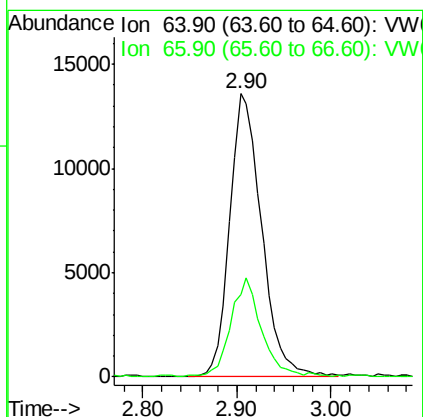
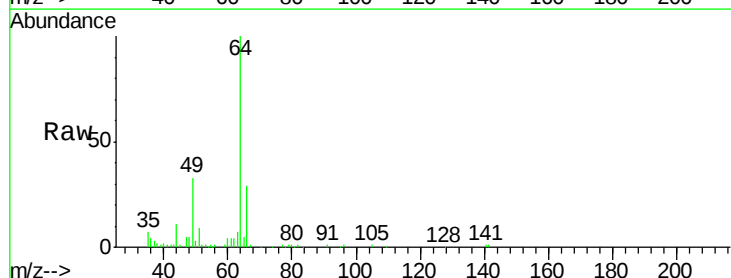
Acq: 29 Aug 2019 11:19

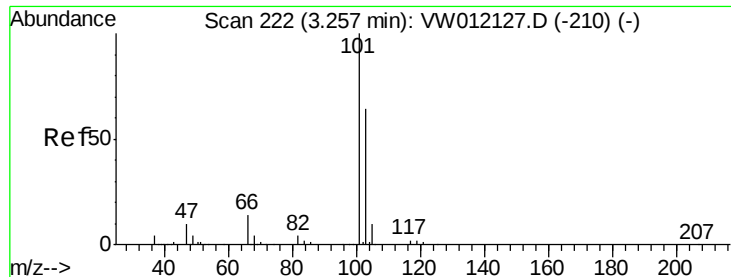
Tgt Ion: 64 Resp: 32080

Ion Ratio Lower Upper

64 100

66 28.7 23.8 35.8





#7

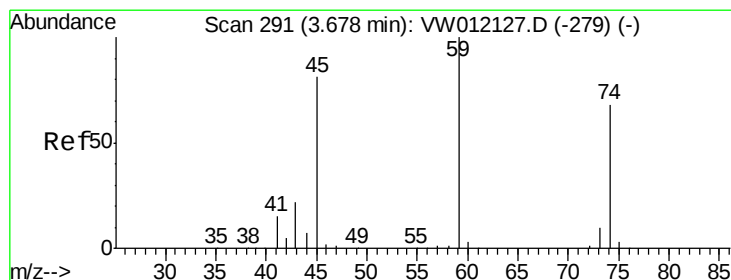
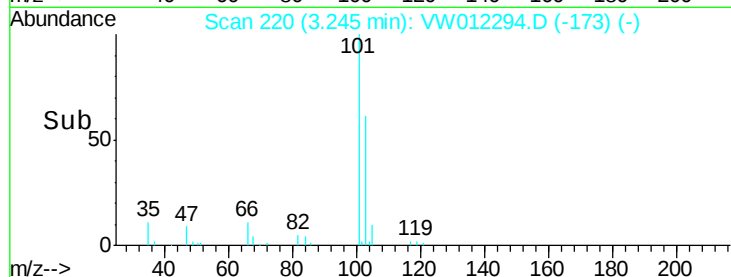
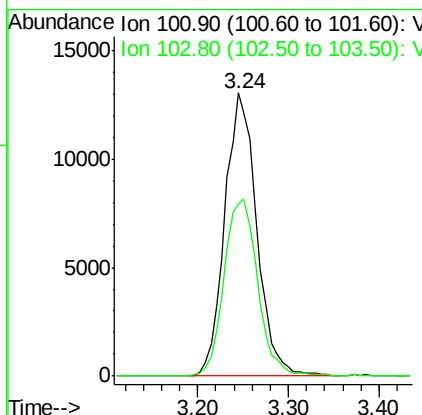
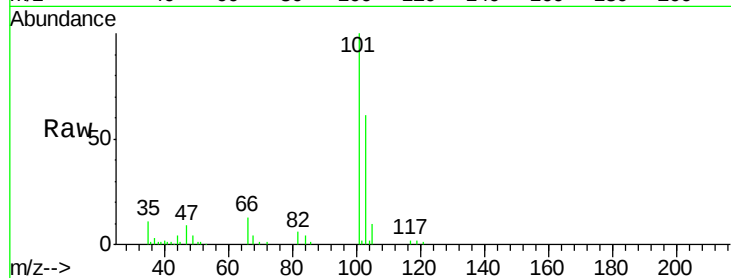
Trichlorofluoromethane
Concen: 19.508 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	51.2	76.8

Manual Integrations
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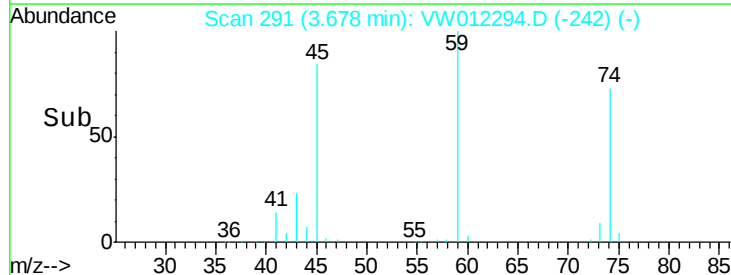
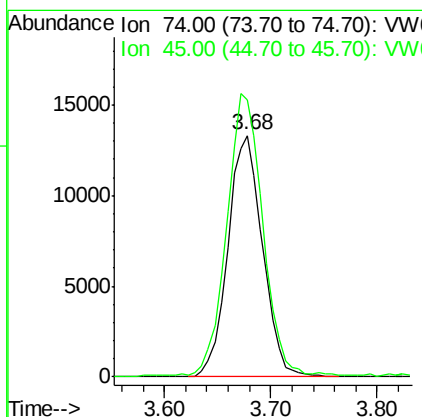
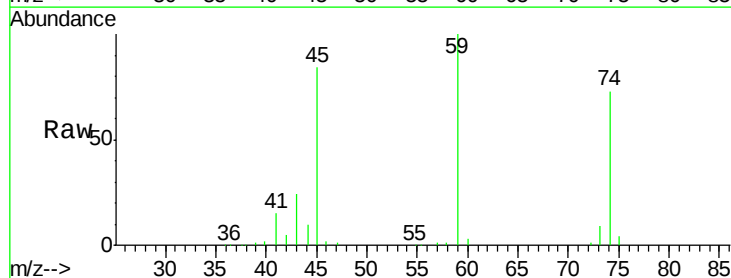
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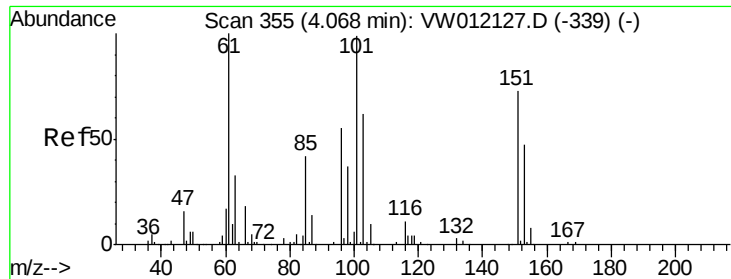


#8

Diethyl Ether
Concen: 19.514 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.7	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.681 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

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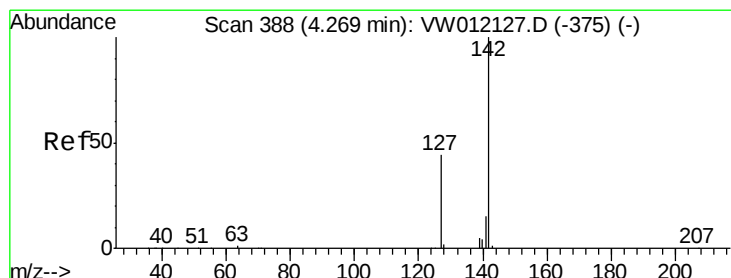
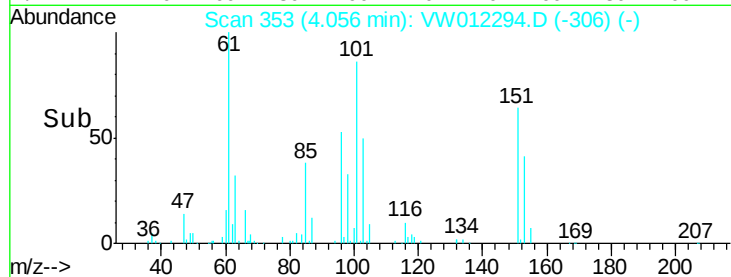
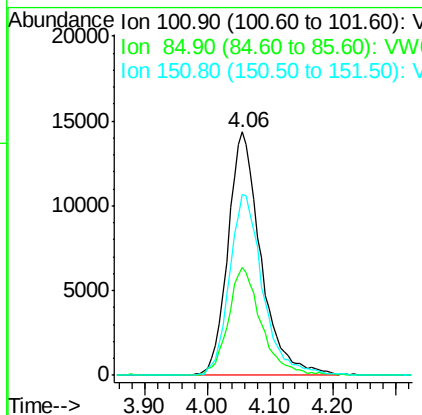
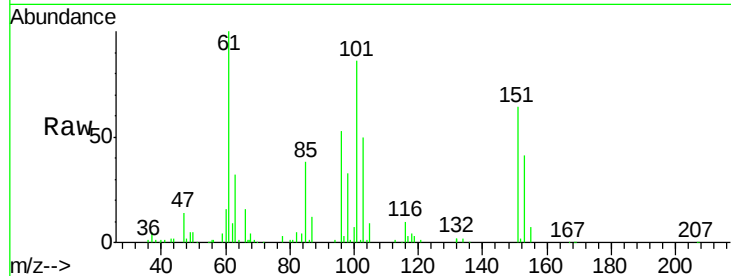
ClientSampleId :

VW0829SBS01

Tot Ion:	101	Resp:	51984
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.8	53.6
151	75.6	58.6	87.8

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#10

Methyl Iodide

Concen: 18.803 ug/l

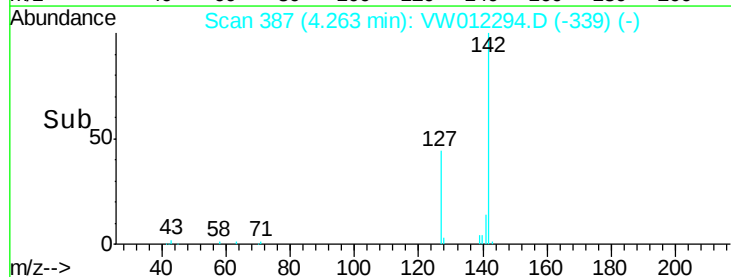
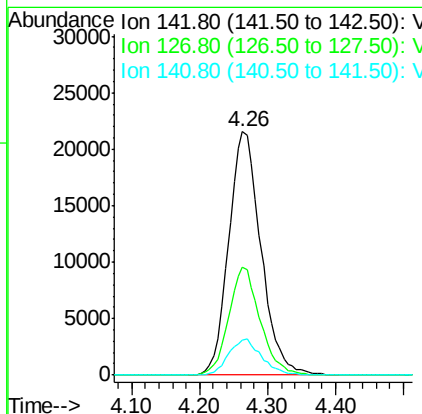
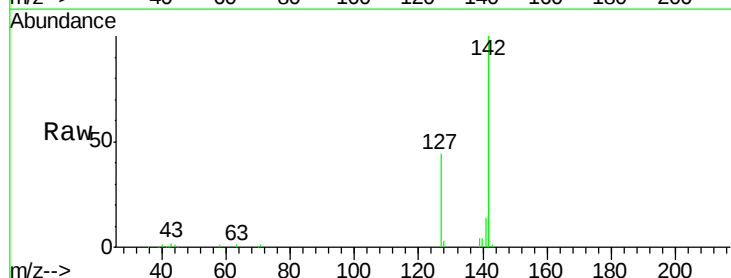
RT: 4.26 min Scan# 387

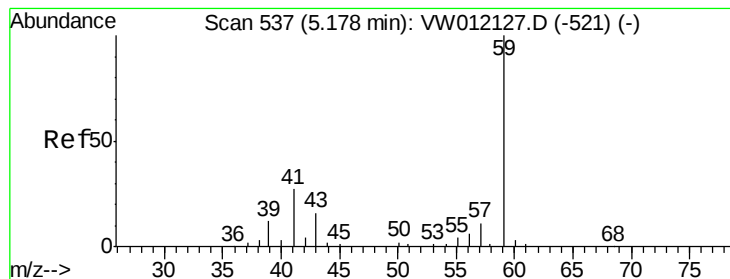
Delta R.T. -0.01 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	142	Resp:	70796
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.5	53.3
141	15.0	11.8	17.8





#11

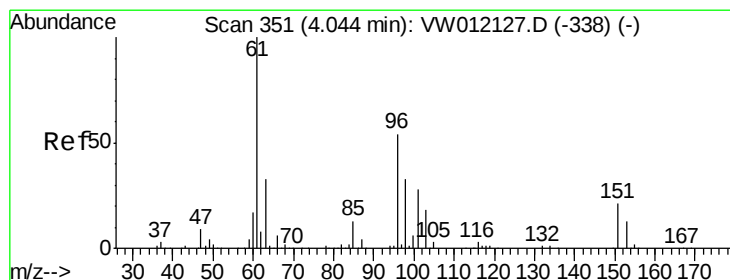
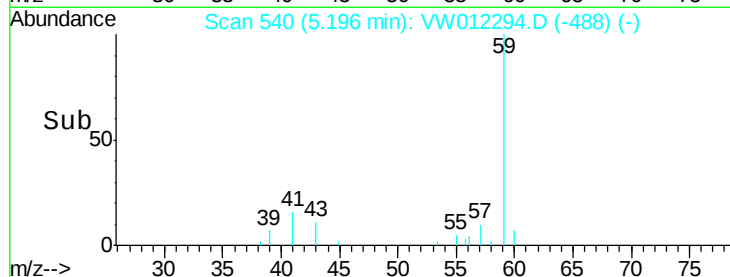
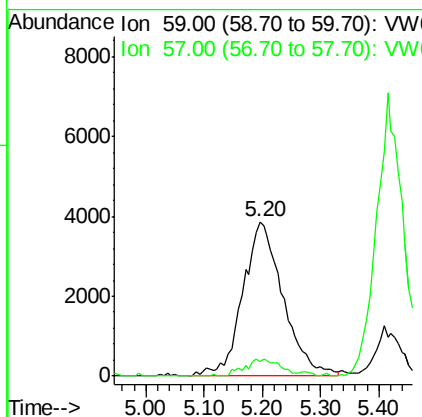
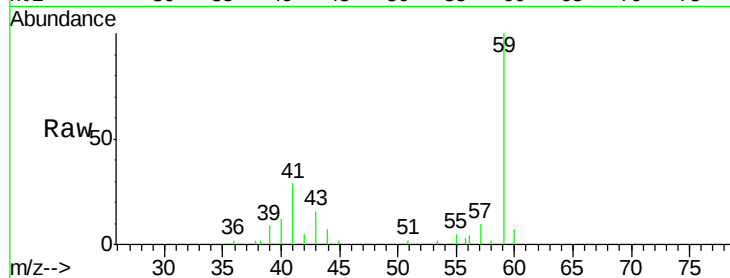
Tert butyl alcohol
 Concen: 92.963 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_W
 ClientSampled :
 VW0829SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	9.0	13.4

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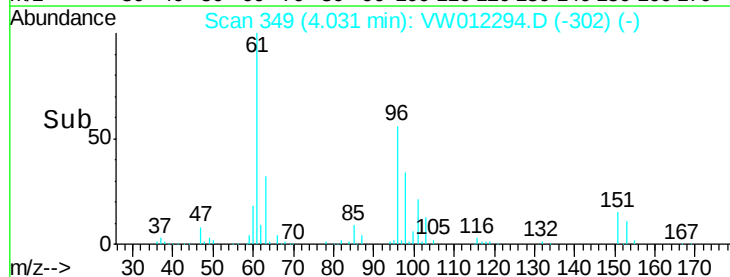
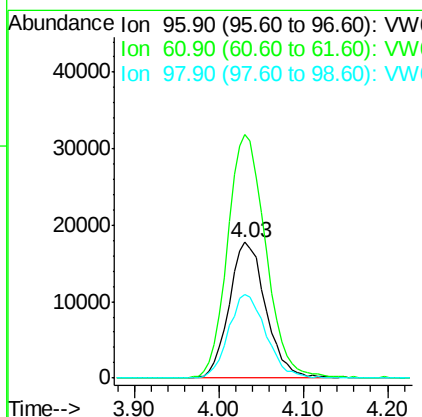
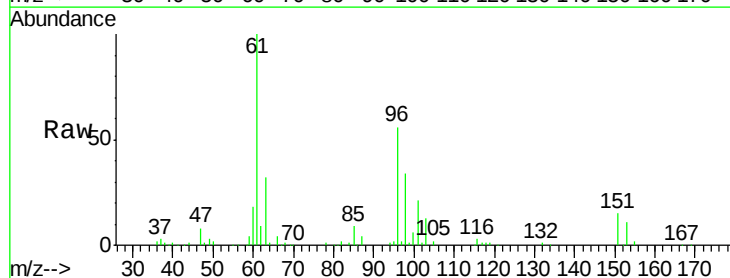
MMDadoda
 8/30/2019 11:41:18 AM

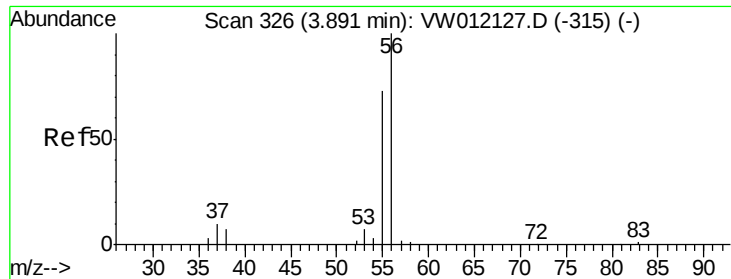


#12

1,1-Dichloroethene
 Concen: 18.717 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.1	149.1	223.7
98	61.6	49.4	74.2





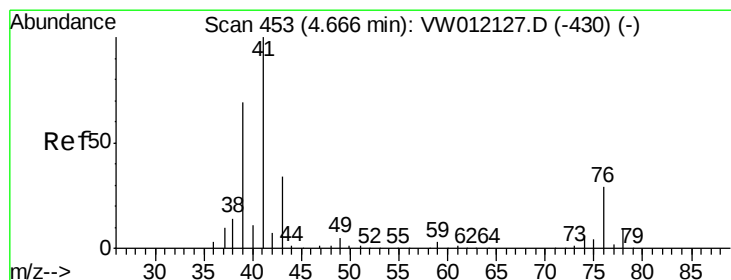
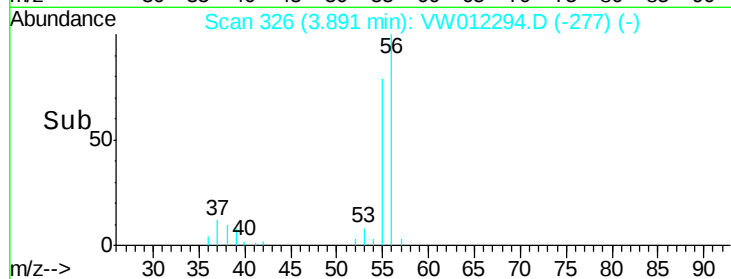
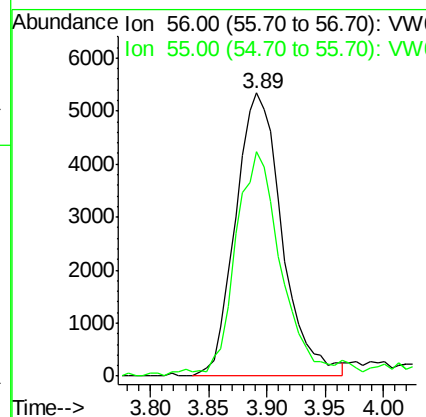
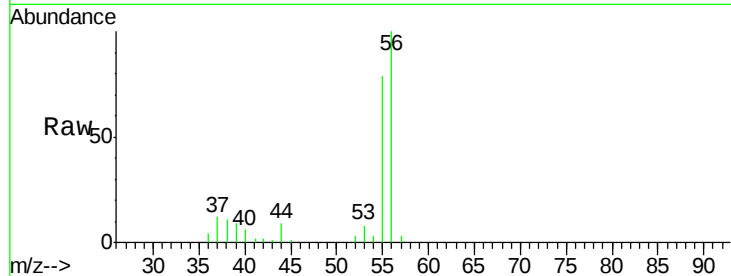
#13
Acrolein
Concen: 79.118 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	74.5	55.8	83.8	

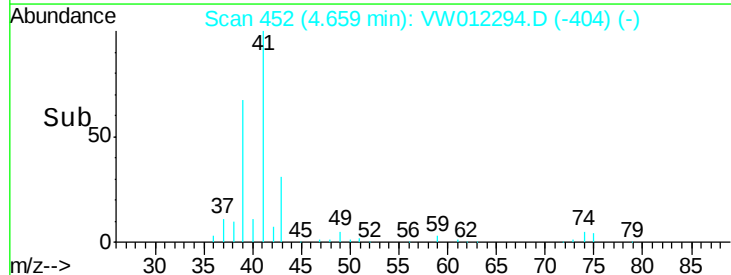
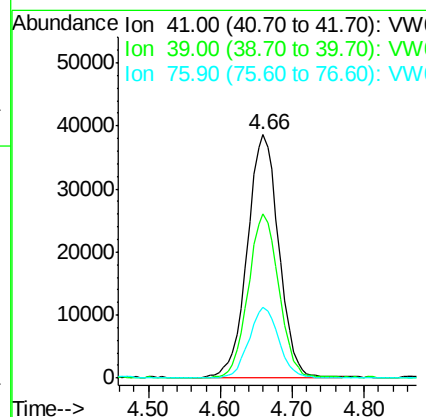
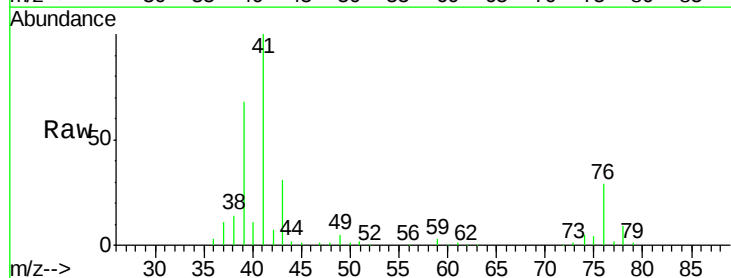
Manual Integrations
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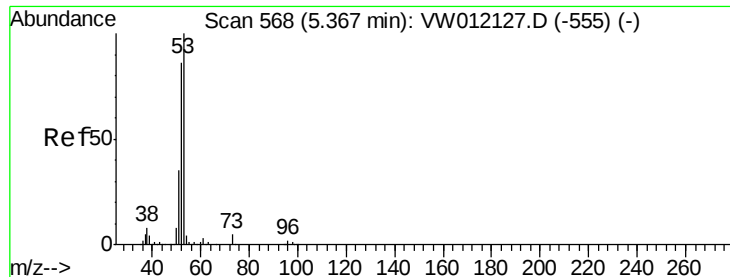
MMDadoda
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#14
Allyl chloride
Concen: 19.550 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.0	53.4	80.2	
76	27.5	22.1	33.1	





#15

Acrylonitrile

Concen: 94.254 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

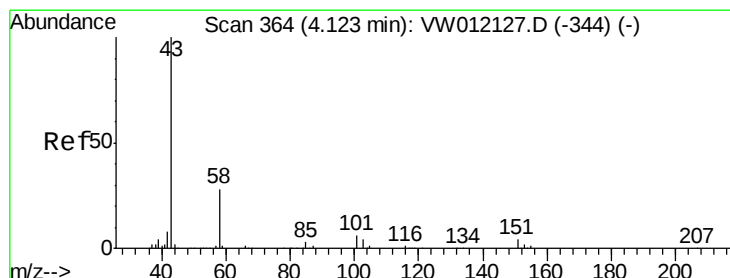
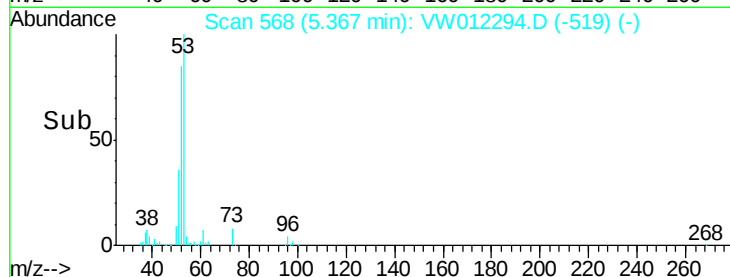
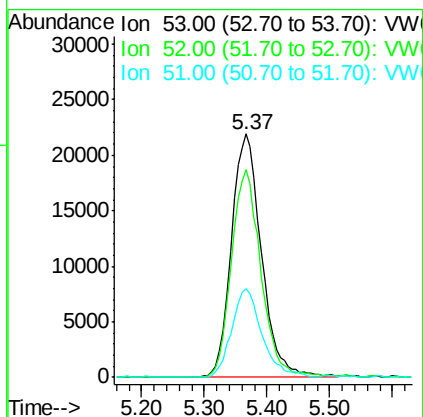
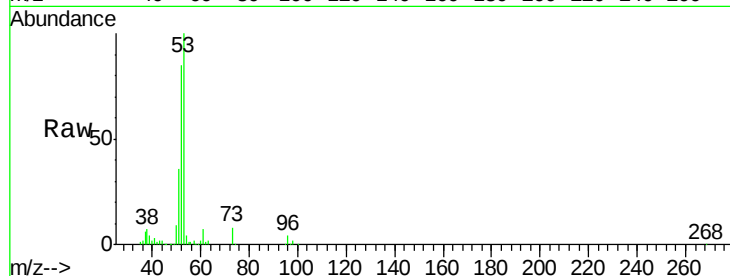
ClientSampleId :

VW0829SBS01

Tot Ion:	53	Resp:	72595
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.7	100.1
51	36.8	30.1	45.1

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#16

Acetone

Concen: 80.753 ug/l

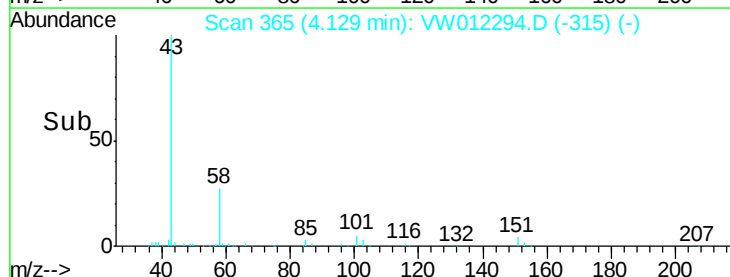
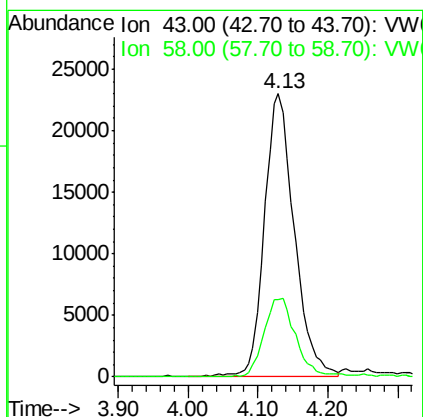
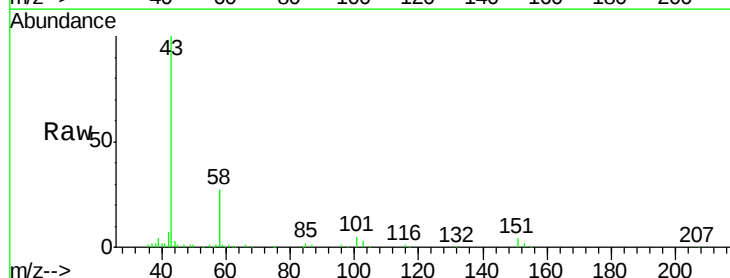
RT: 4.13 min Scan# 365

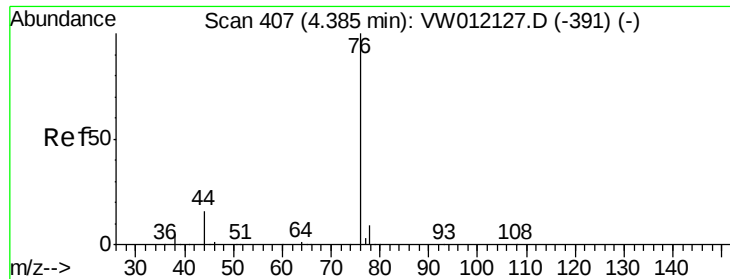
Delta R.T. 0.01 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	43	Resp:	68518
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.4	33.6





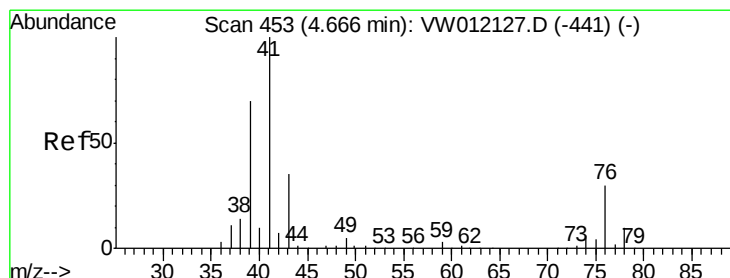
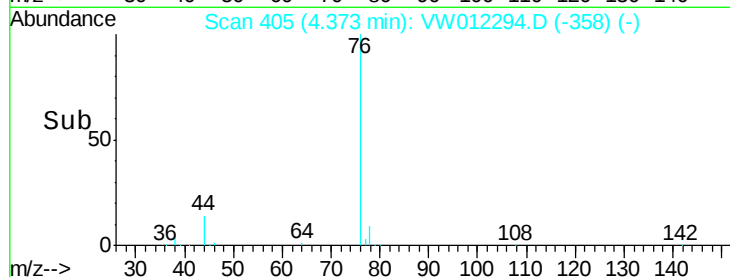
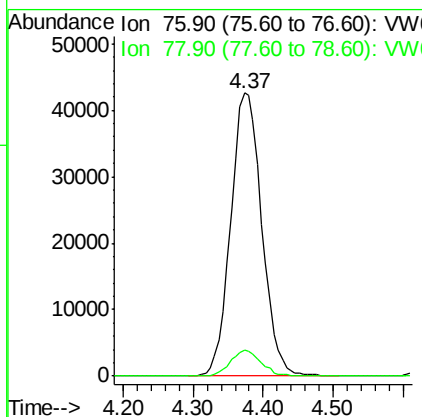
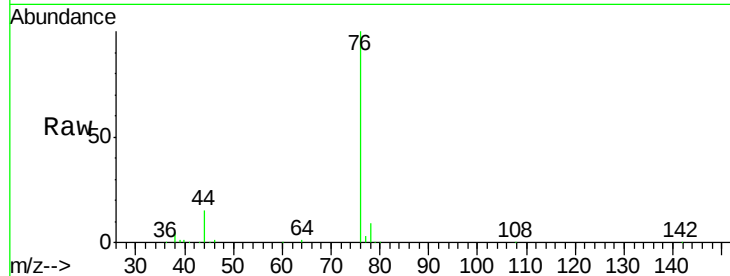
#17
Carbon Disulfide
Concen: 15.516 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

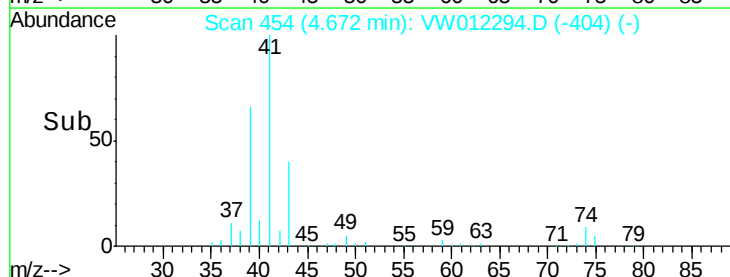
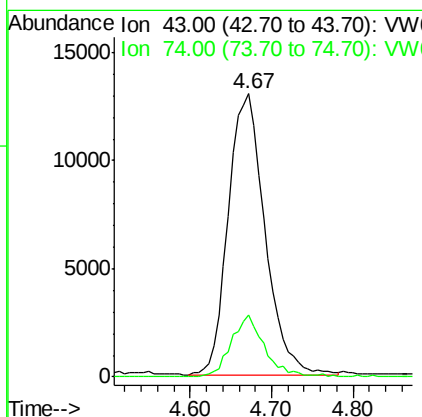
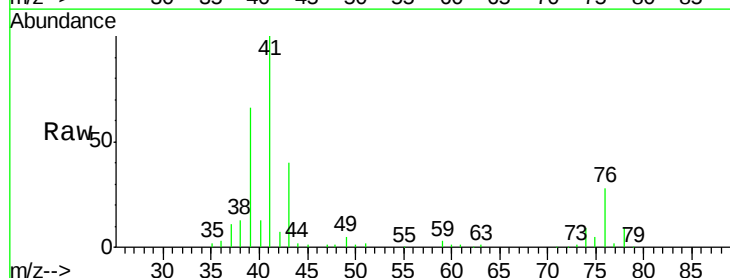
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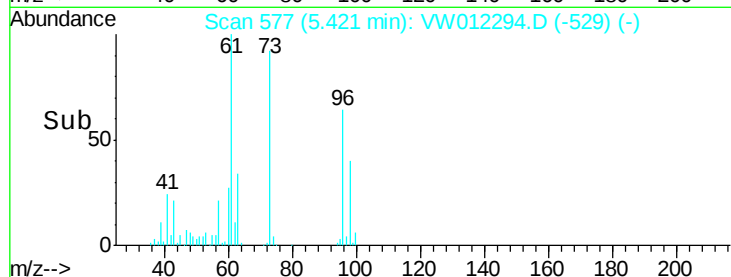
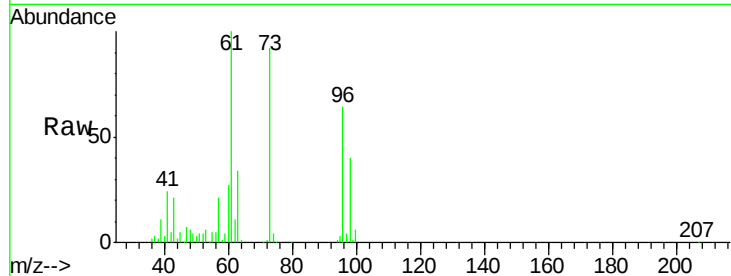
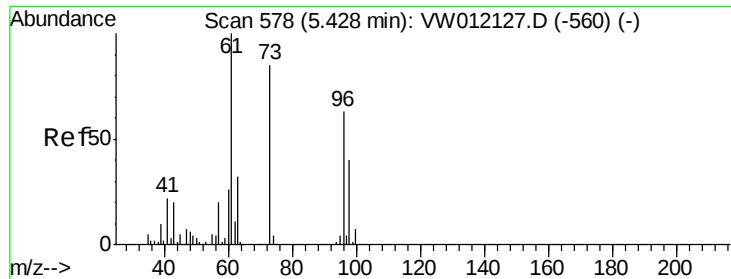
MMDadoda
8/30/2019 11:41:18 AM



#18
Methyl Acetate
Concen: 19.281 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.7	23.5





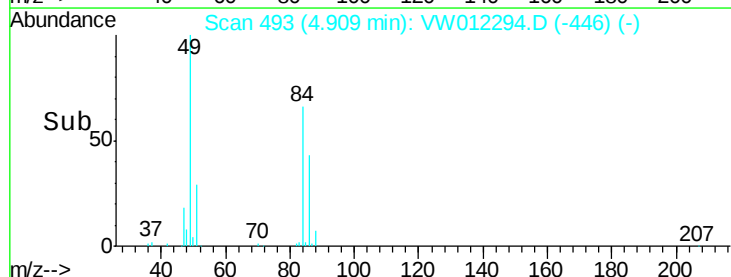
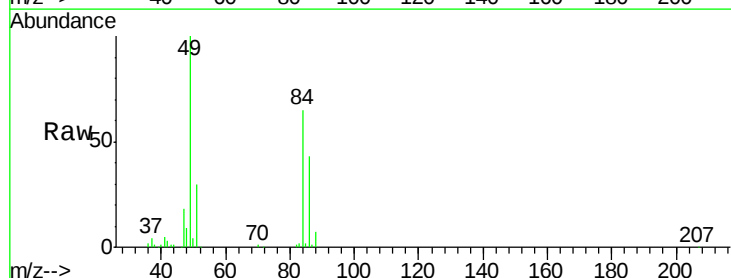
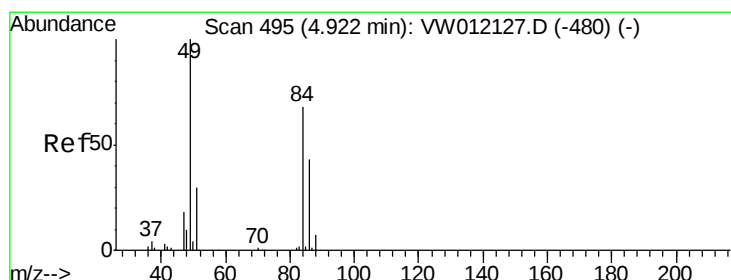
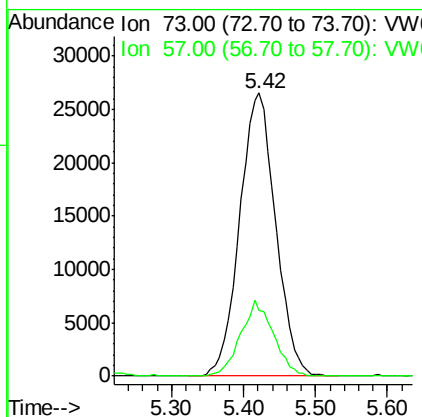
#19
Methyl tert-butyl Ether
Concen: 20.269 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.9	28.3

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

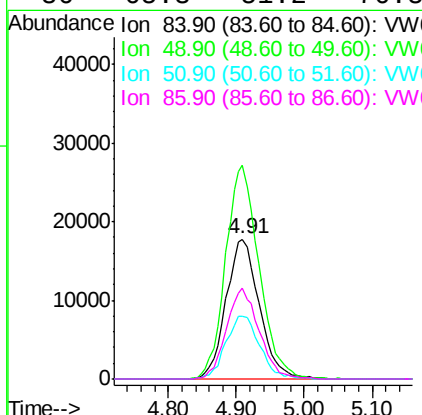
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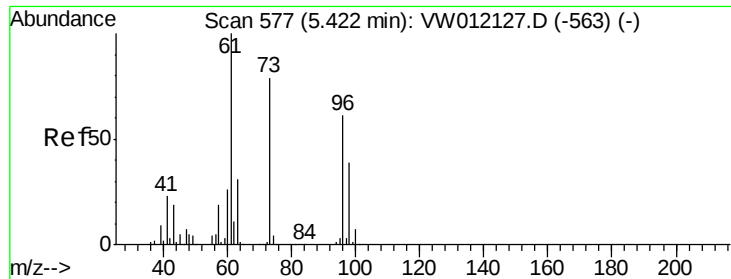
MMDadoda
8/30/2019 11:41:18 AM



#20
Methylene Chloride
Concen: 18.841 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.8	117.8	176.8
51	45.2	35.6	53.4
86	65.3	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 19.135 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

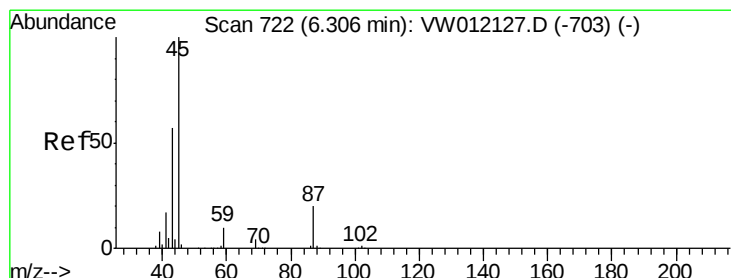
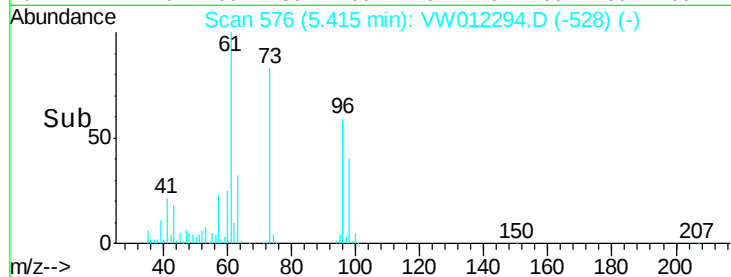
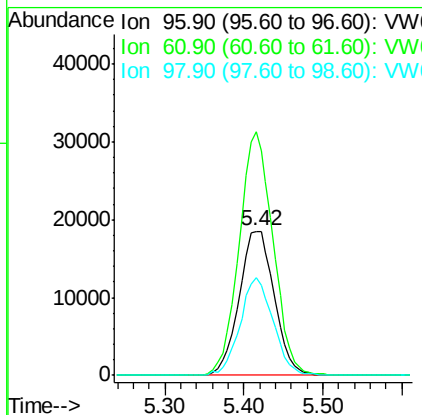
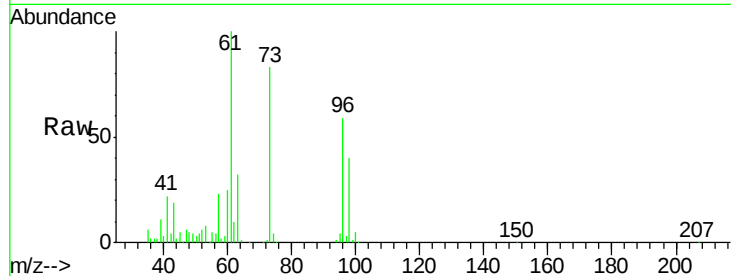
ClientSampleId :

VW0829SBS01

Tot Ion:	96	Resp:	57471
Ion	Ratio	Lower	Upper
96	100		
61	168.8	131.4	197.0
98	68.0	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.354 ug/l

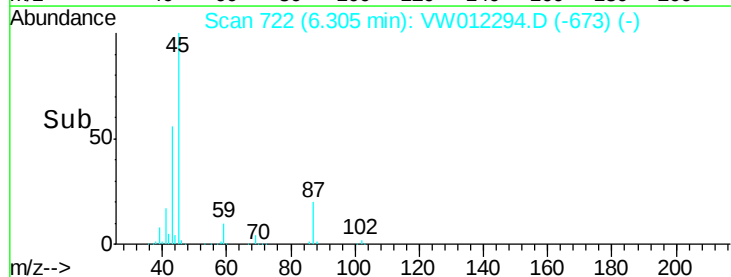
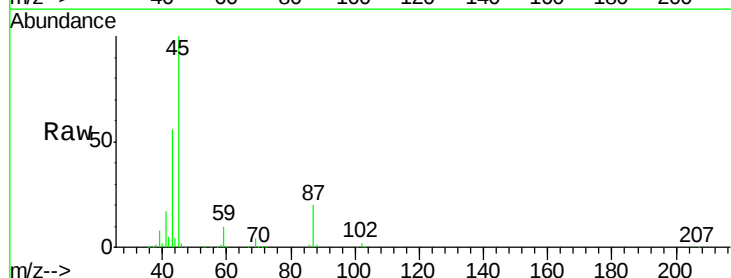
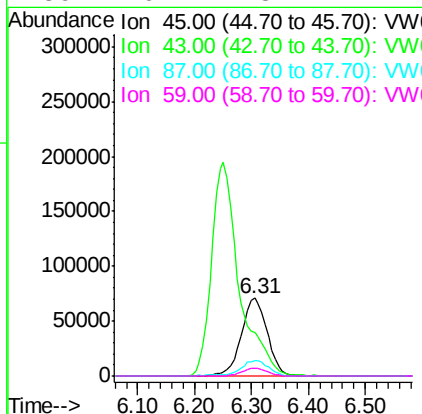
RT: 6.31 min Scan# 722

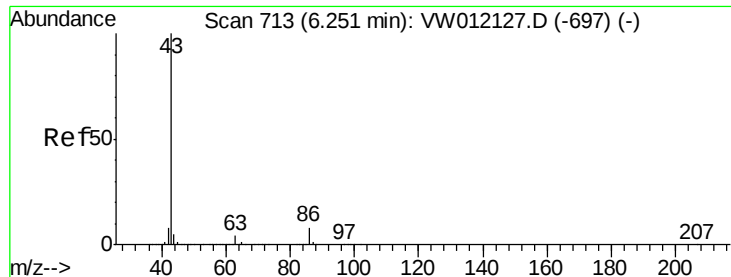
Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	45	Resp:	225908
Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.5	68.3
87	19.9	16.1	24.1
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 96.125 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 43 Resp: 656567

Ion Ratio Lower Upper

43 100

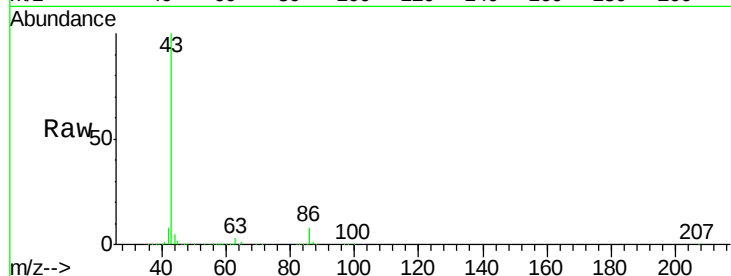
86 8.1 6.5 9.7

Manual Integrations

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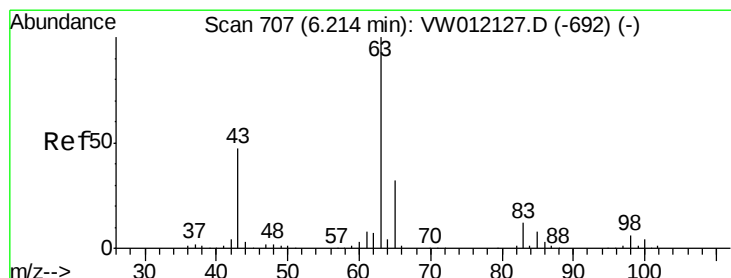
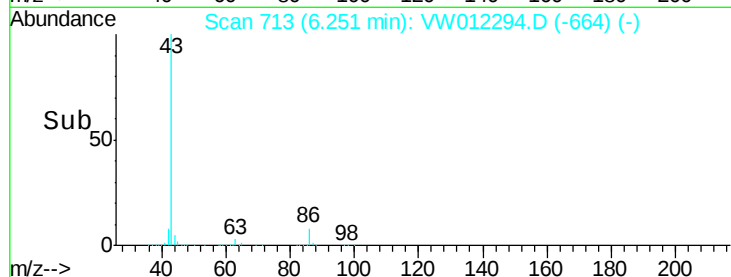
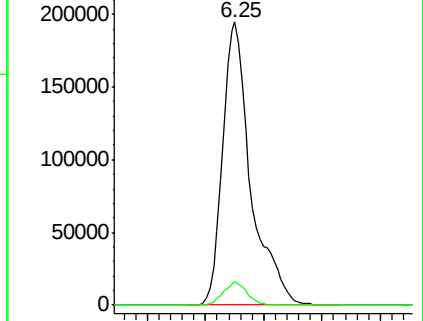
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.861 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

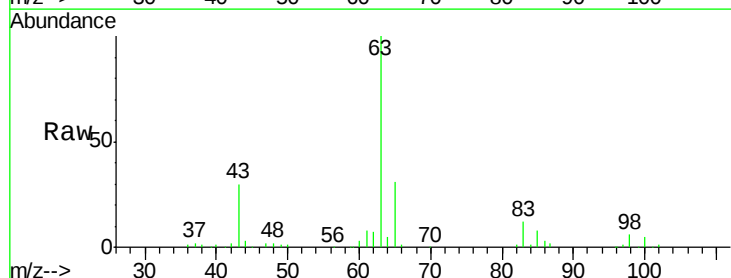
Tgt Ion: 63 Resp: 120021

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

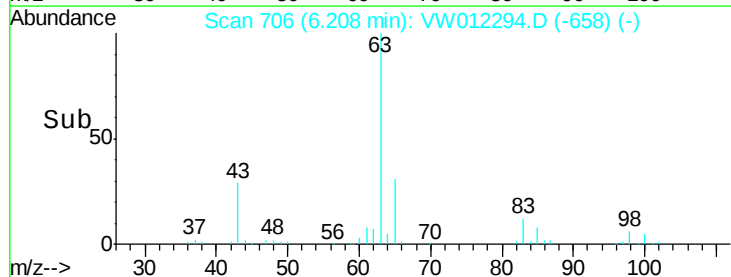
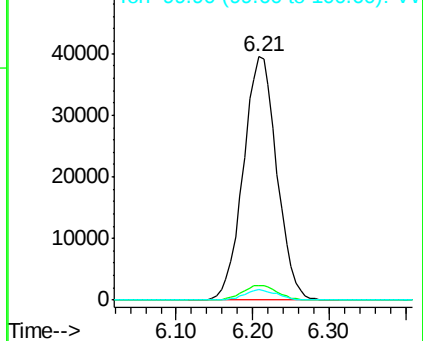
100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 88.302 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 43 Resp: 101812

Ion Ratio Lower Upper

43 100

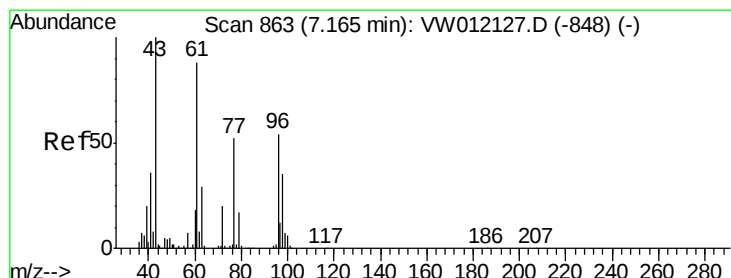
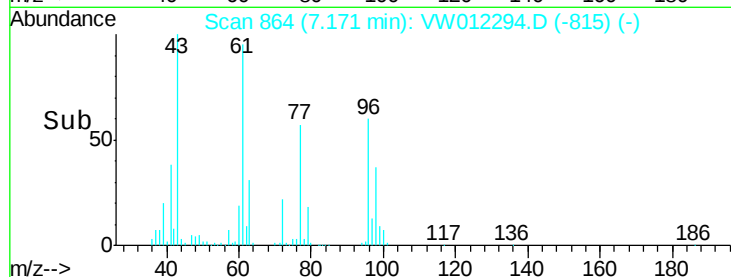
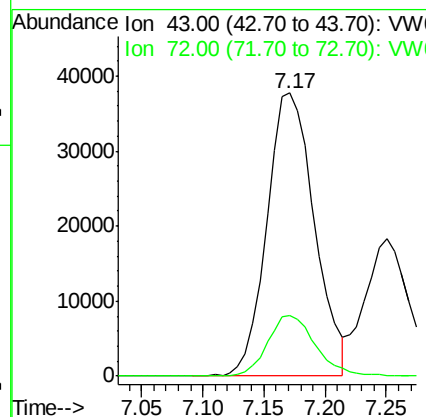
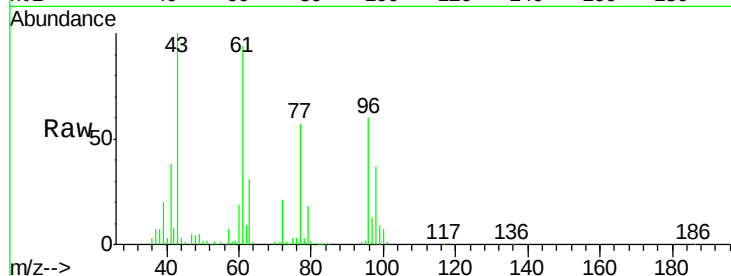
72 21.5 16.6 24.8

Manual Integrations

APPROVED

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8/30/2019 11:41:18 AM



#26

2,2-Dichloropropane

Concen: 19.999 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012294.D

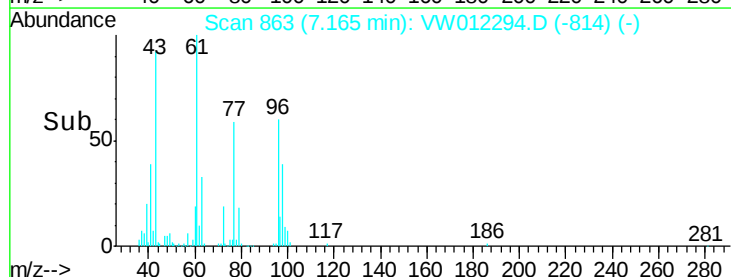
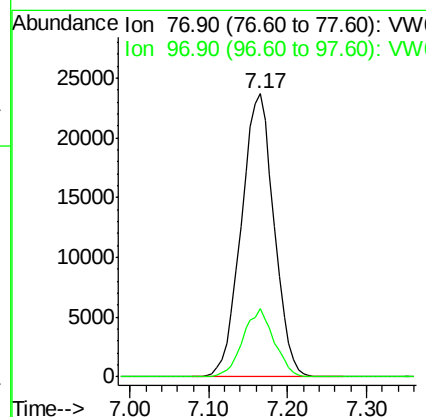
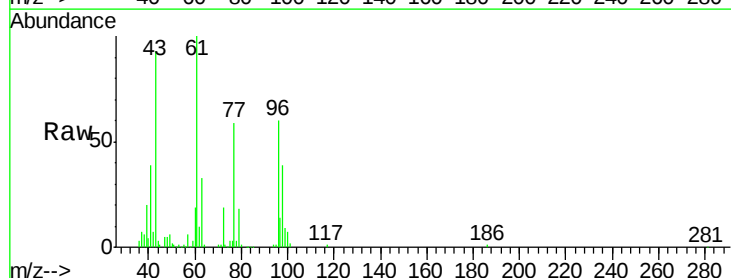
Acq: 29 Aug 2019 11:19

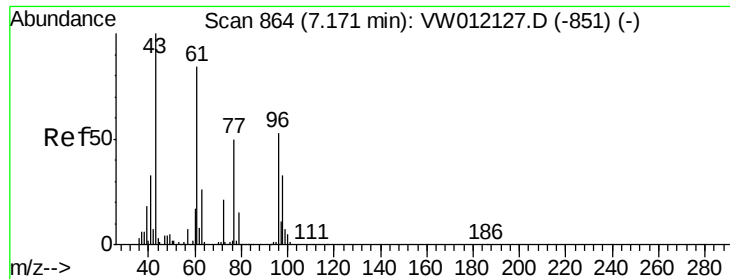
Tgt Ion: 77 Resp: 68407

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1





#27

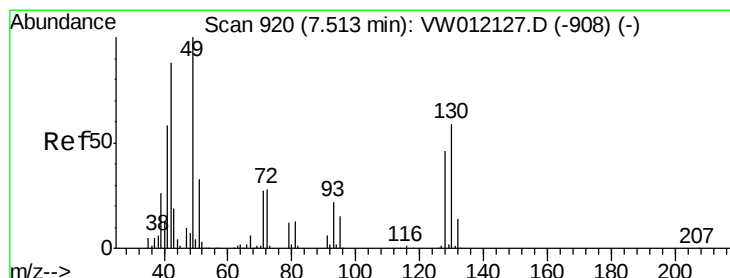
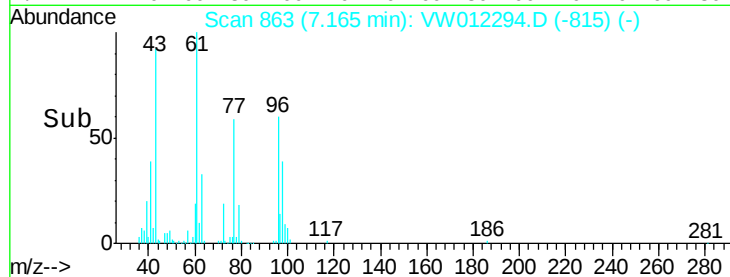
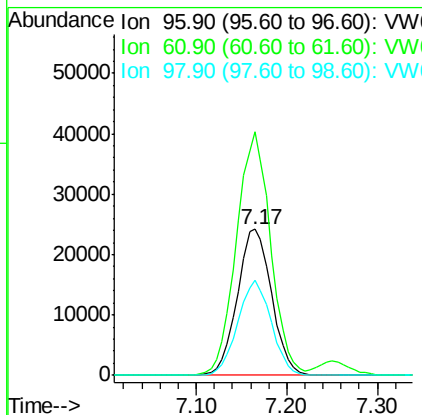
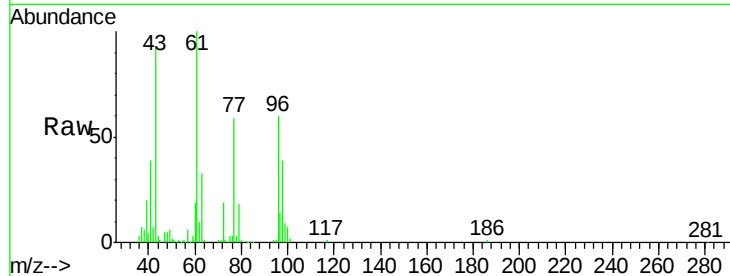
cis-1,2-Dichloroethene
 Concen: 19.745 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_W
 ClientSampled :
 VW0829SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	326.6
98	63.9	0.0	127.4

Manual Integrations
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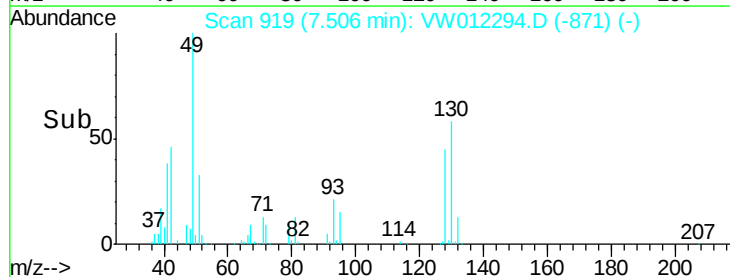
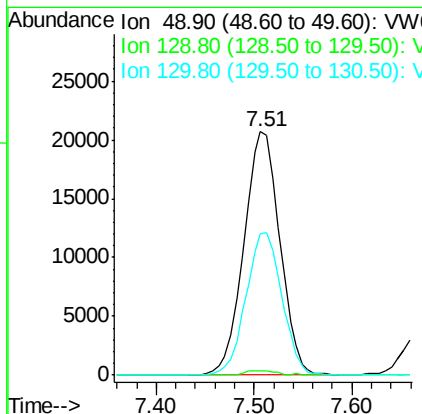
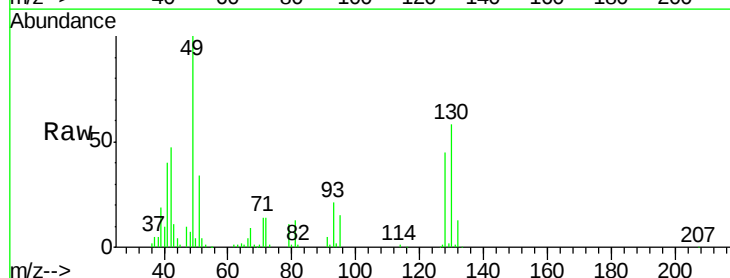
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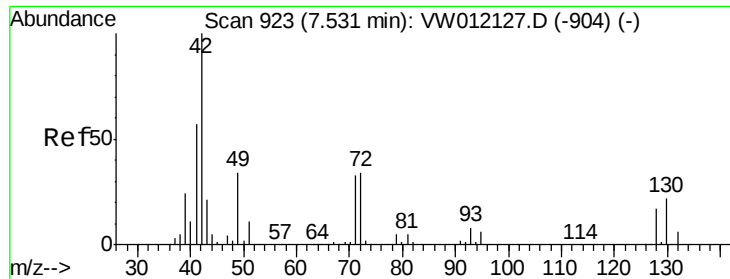


#28

Bromochloromethane
 Concen: 20.028 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4#
130	58.4	45.5	68.3





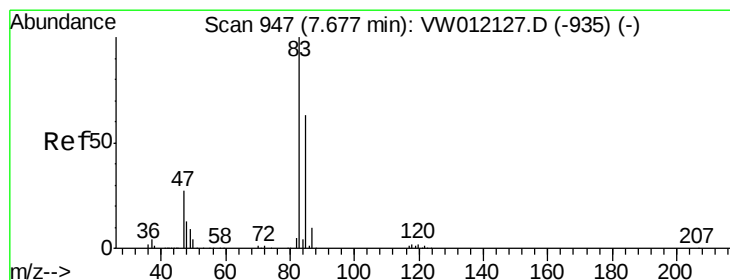
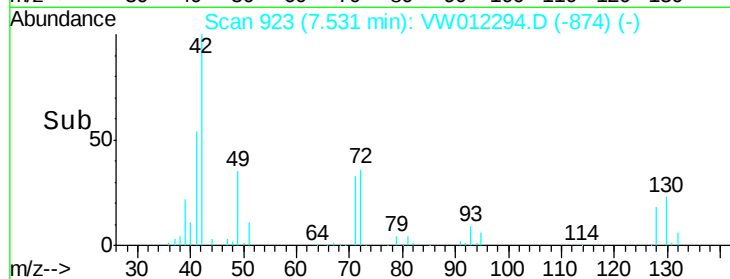
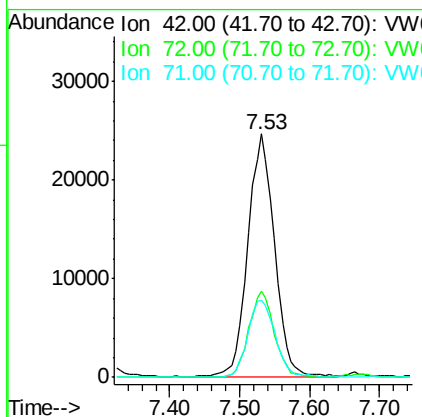
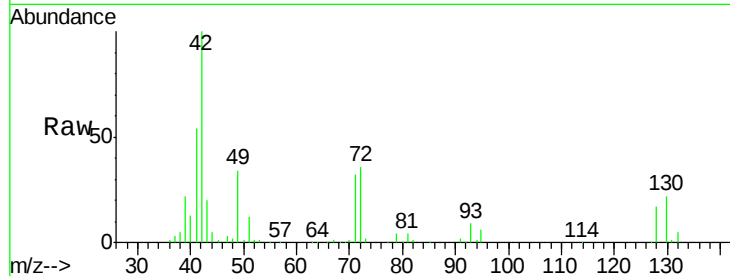
#29
Tetrahydrofuran
Concen: 95.420 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.3	40.9
71	32.4	25.5	38.3

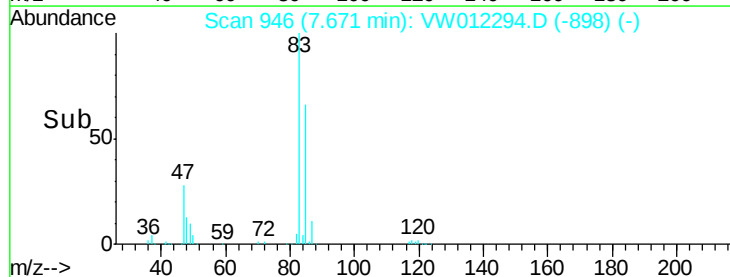
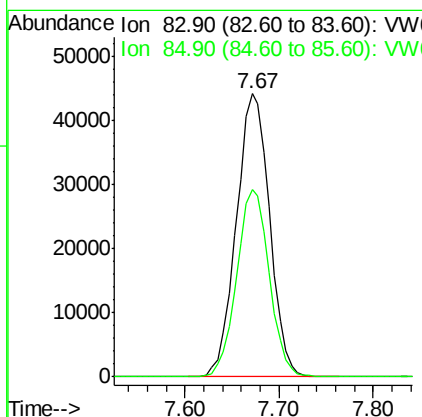
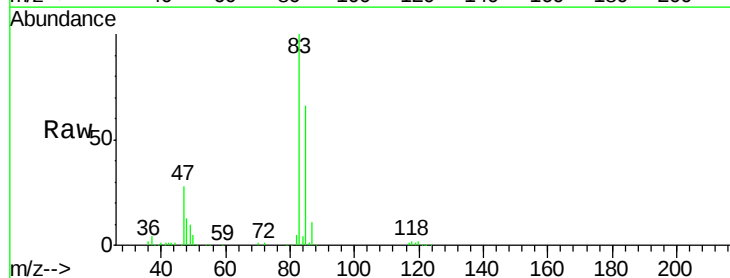
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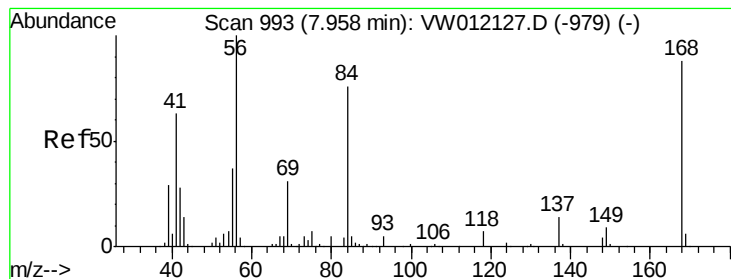
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#30
Chloroform
Concen: 19.676 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.6	76.0





#31

Cyclohexane

Concen: 18.320 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

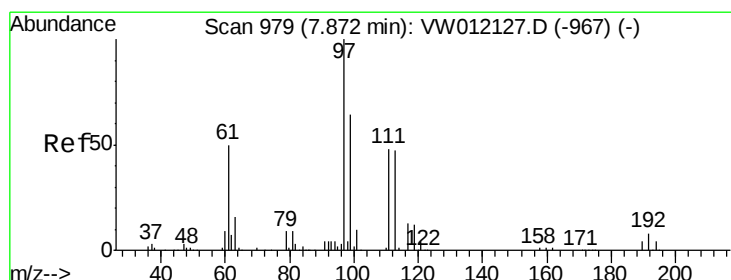
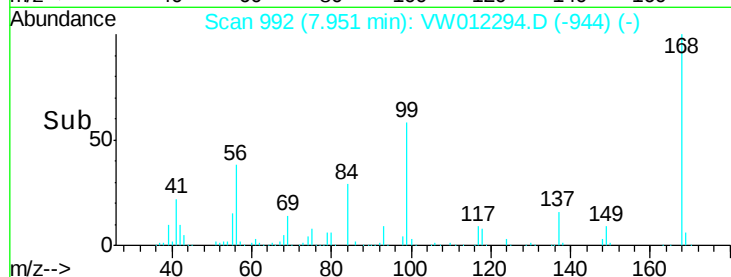
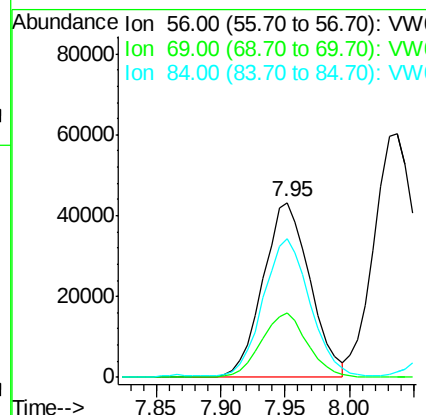
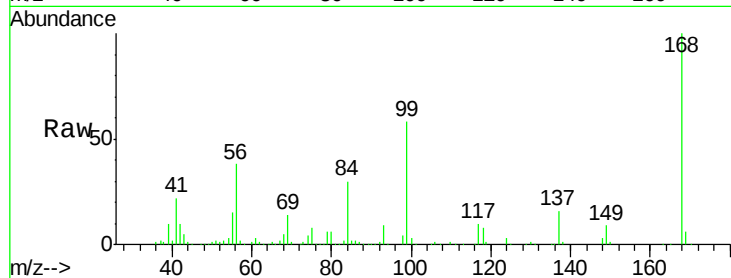
ClientSampleId :

VW0829SBS01

Tot Ion:	56	Resp:	109533
Ion Ratio	Lower	Upper	
56	100		
69	36.7	24.9	37.3
84	78.5	60.6	90.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.916 ug/l

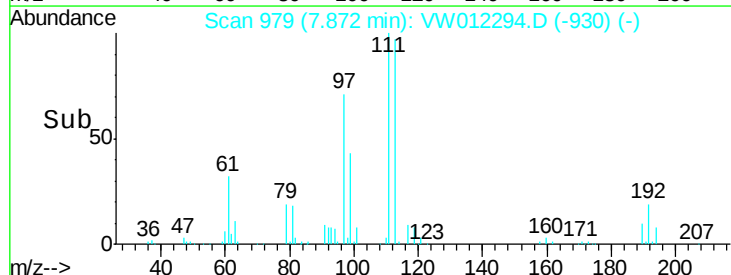
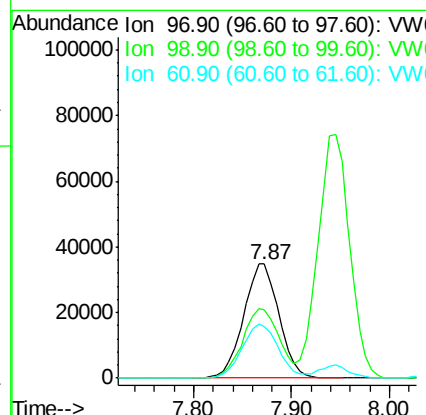
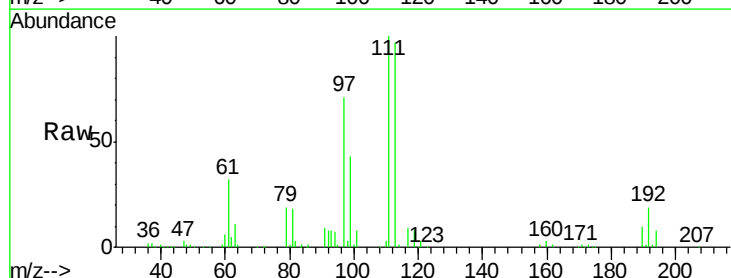
RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	97	Resp:	87108
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.4	77.0
61	48.5	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 47.410 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 65 Resp: 157371

Ion Ratio Lower Upper

65 100

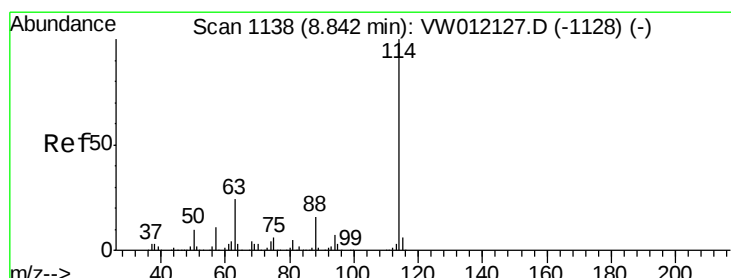
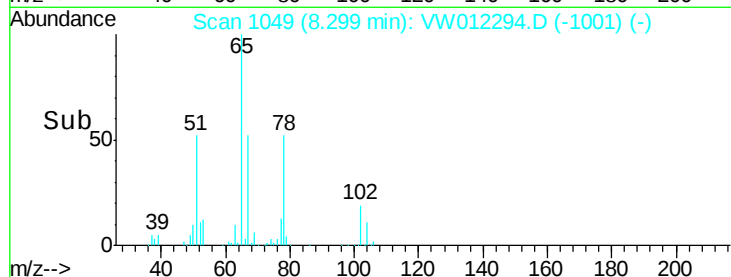
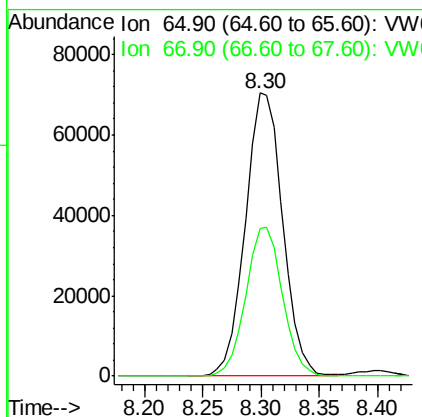
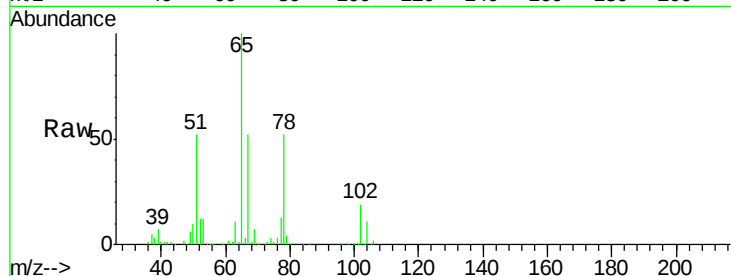
67 51.9 0.0 102.6

Manual Integrations

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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: VW012294.D

Acq: 29 Aug 2019 11:19

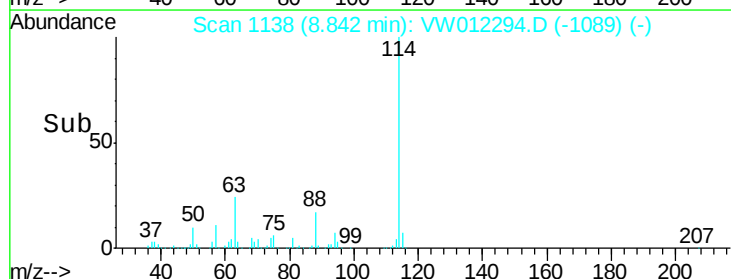
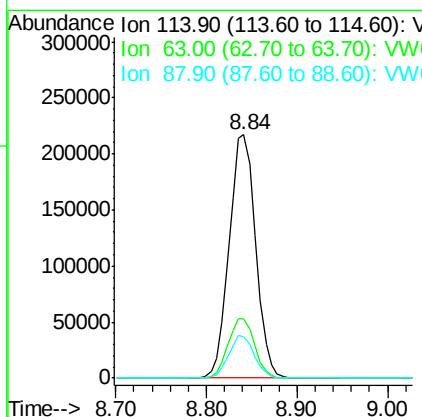
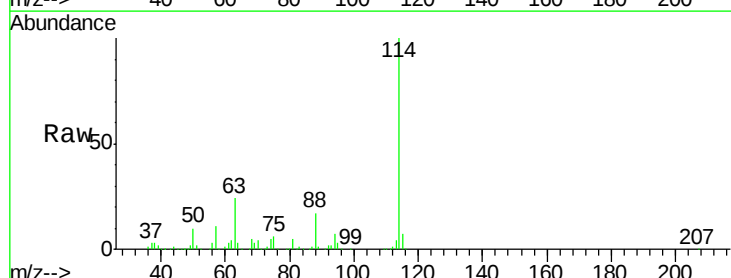
Tgt Ion: 114 Resp: 439112

Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.6

88 17.2 0.0 32.2





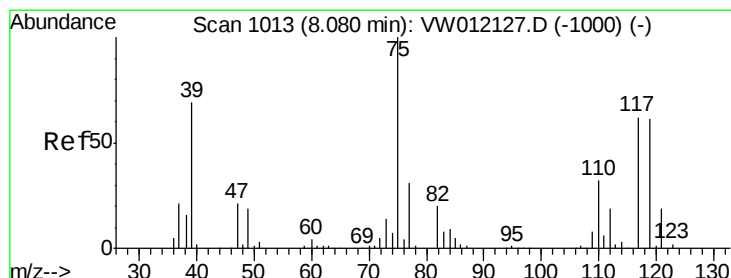
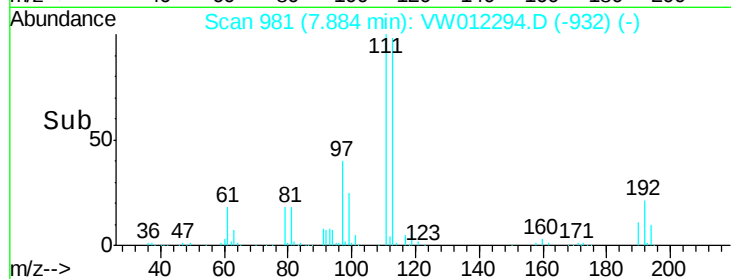
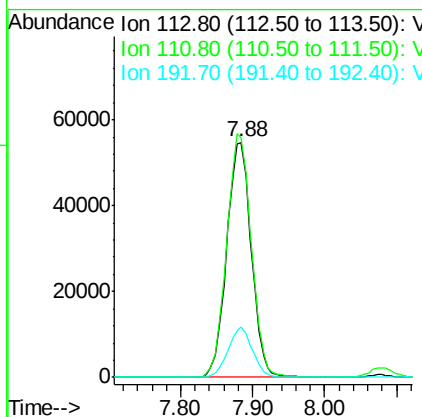
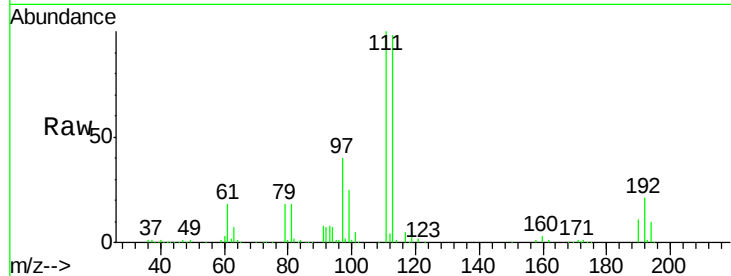
#35
 Dibromofluoromethane
 Concen: 49.665 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	130175		
111	104.0	82.7	124.1	
192	21.0	16.2	24.2	

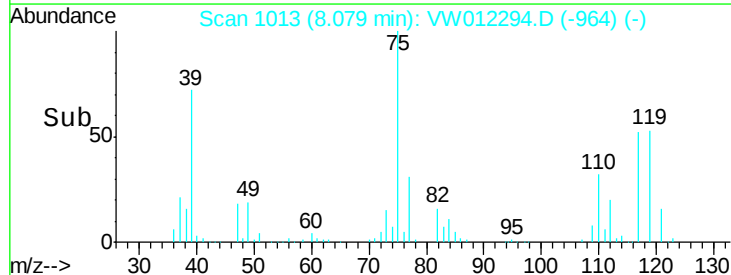
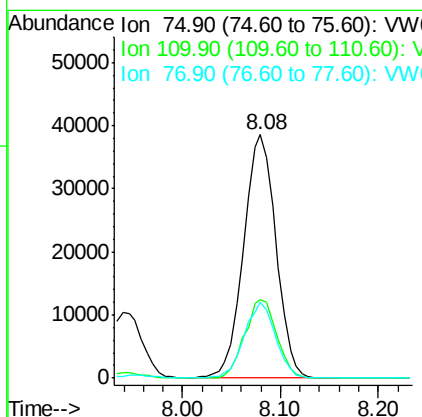
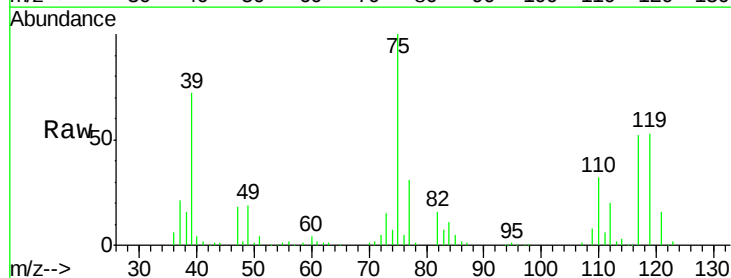
Manual Integrations
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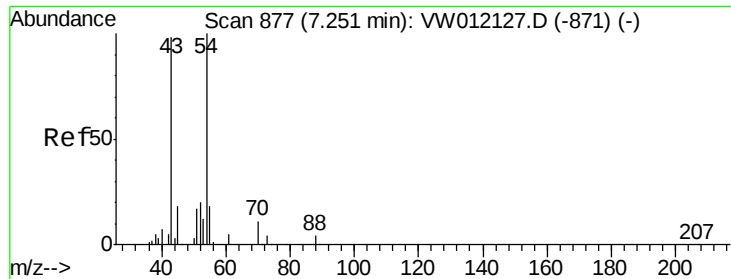
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#36
 1,1-Dichloropropene
 Concen: 19.475 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88373		
110	32.2	15.6	46.8	
77	30.4	24.6	36.8	





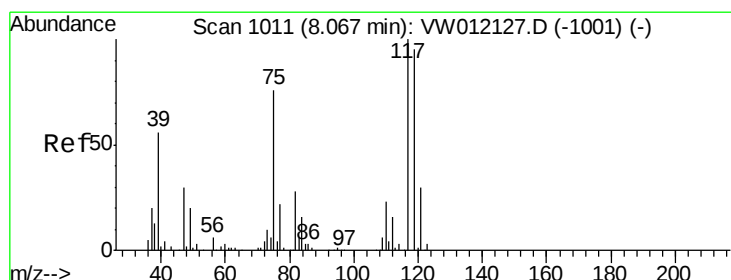
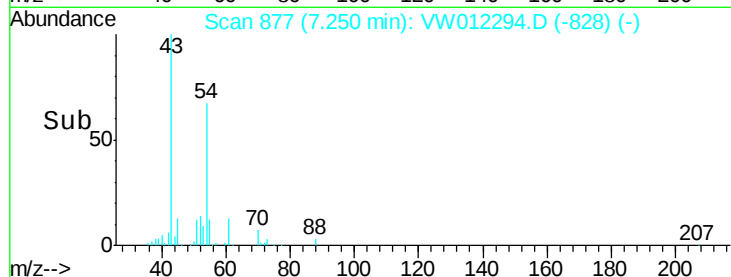
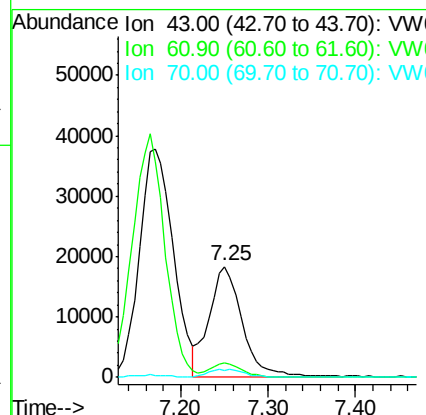
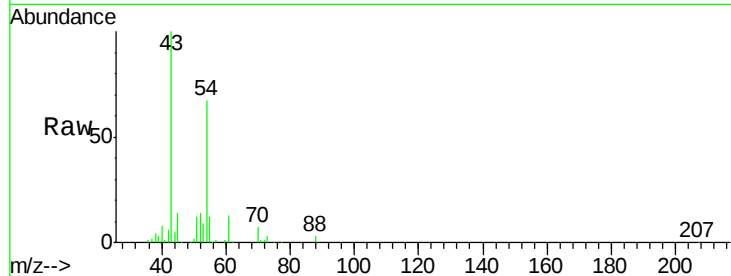
#37
Ethyl Acetate
Concen: 19.250 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampled :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	9.2	13.8
70	8.0	6.9	10.3

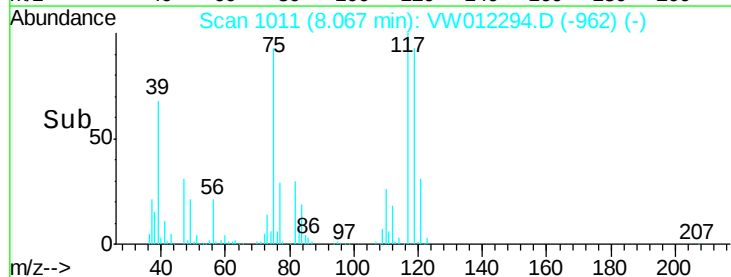
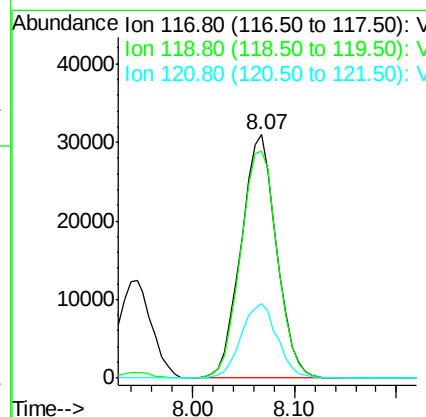
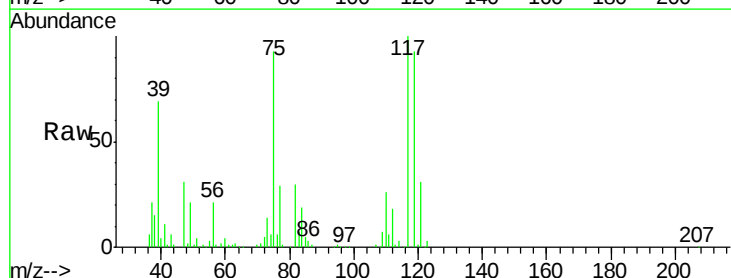
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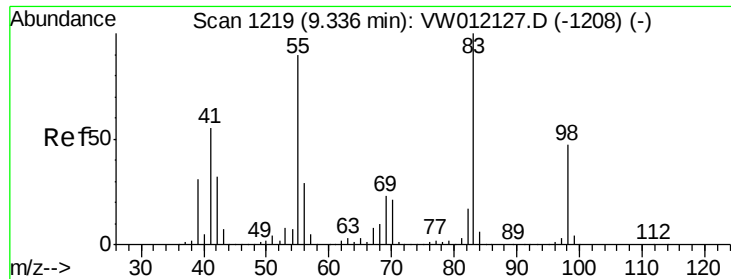
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#38
Carbon Tetrachloride
Concen: 19.047 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.2	114.2
121	30.7	23.8	35.8





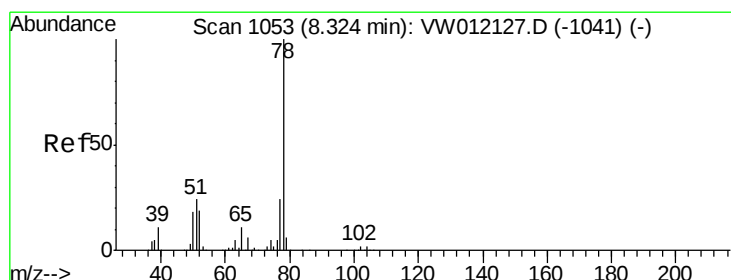
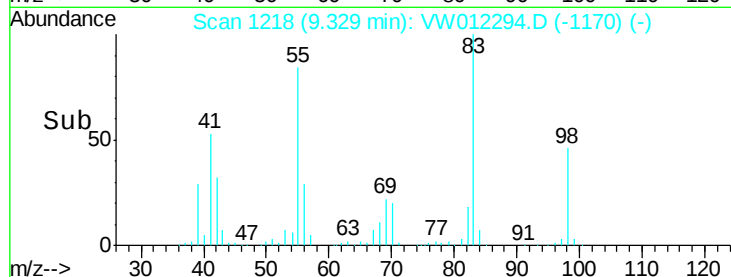
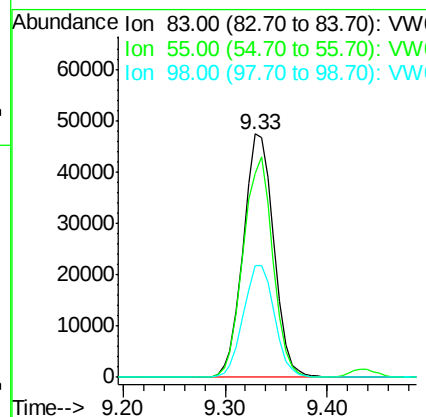
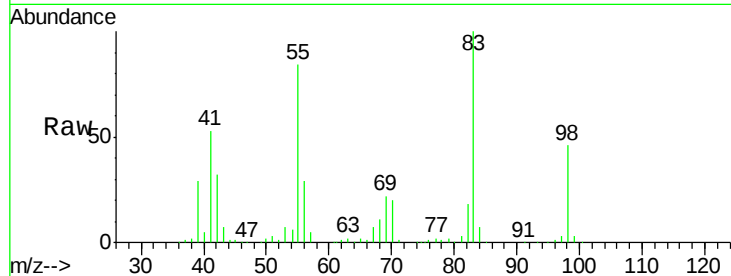
#39
Methvlcvclohexane
Concen: 19.307 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	83.00	Resp	98424
Ion	Ratio	Lower	Upper
83	100		
55	83.8	71.8	107.8
98	46.1	37.8	56.8

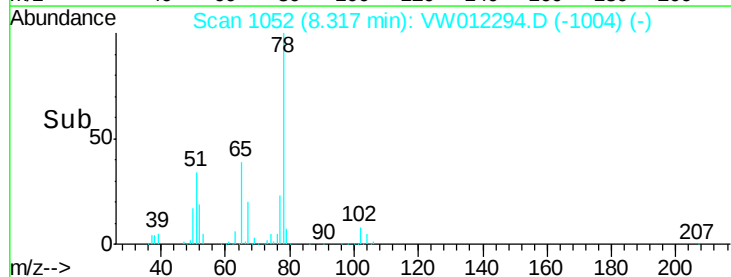
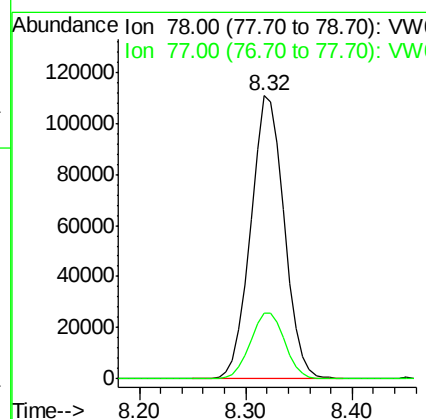
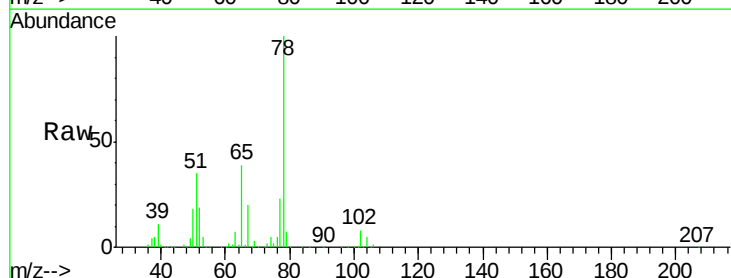
Manual Integrations
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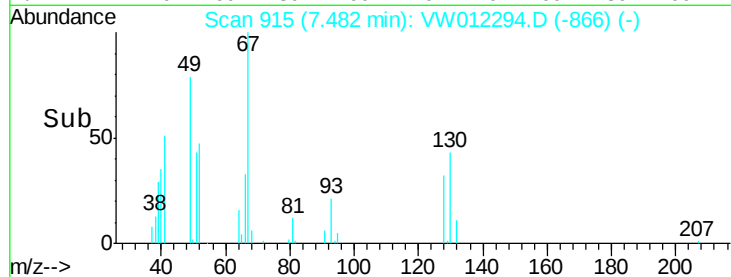
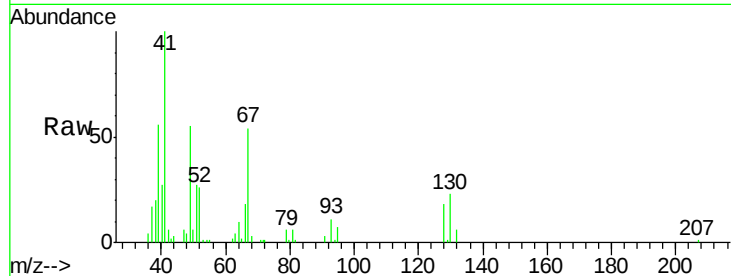
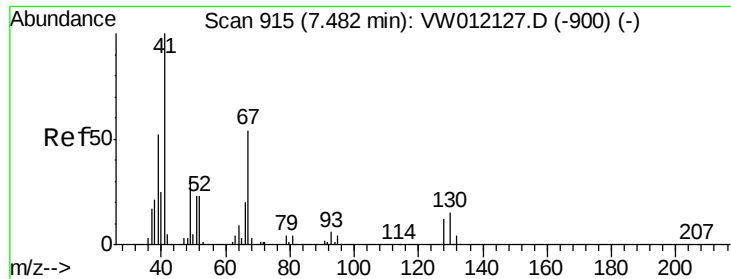
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#40
Benzene
Concen: 19.769 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	78.00	Resp	244944
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.5	29.3





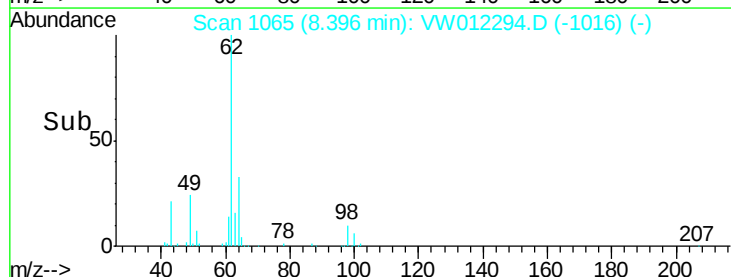
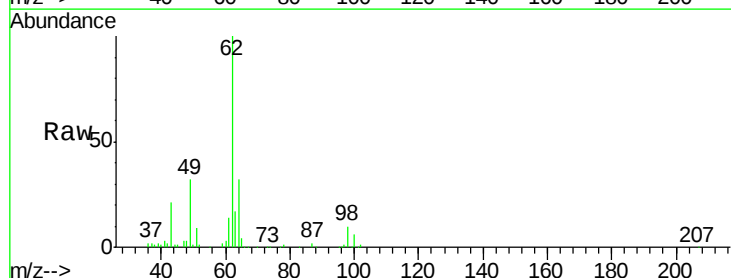
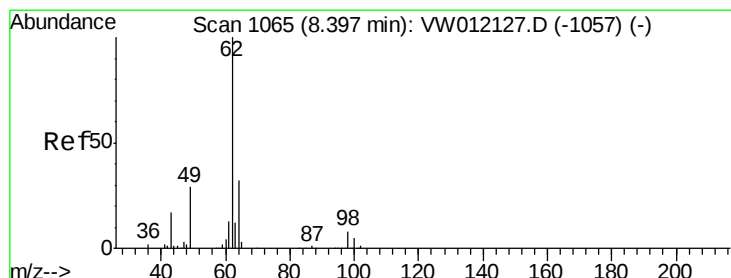
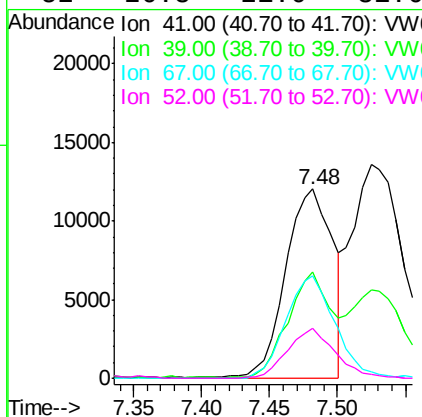
#41
Methacrylonitrile
Concen: 19.805 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41.00 (40.70 to 41.70): VW	100	28944		
39	39.00 (38.70 to 39.70): VW	51.4		45.8	68.8
67	67.00 (66.70 to 67.70): VW	56.5		46.2	69.4
52	52.00 (51.70 to 52.70): VW	26.8		21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

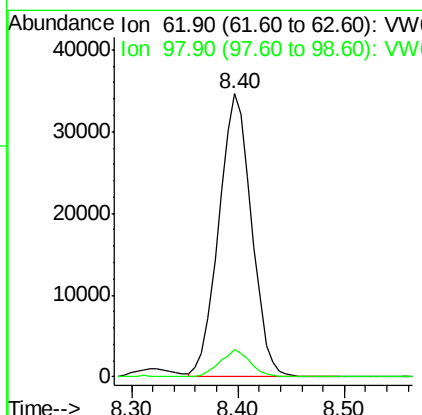
Manual Integrations
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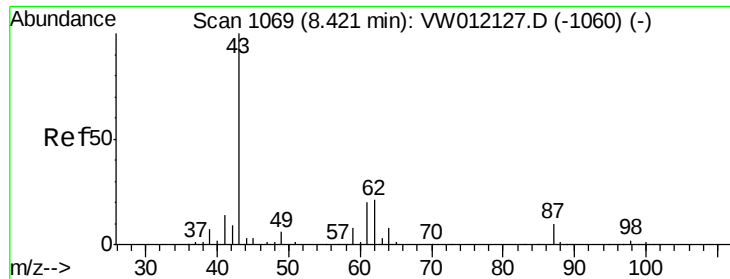
MMDadoda
8/30/2019 11:41:18 AM



#42
1,2-Dichloroethane
Concen: 19.098 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	61.90 (61.60 to 62.60): VW	100	74165		
98	97.90 (97.60 to 98.60): VW	8.9		0.0	16.6





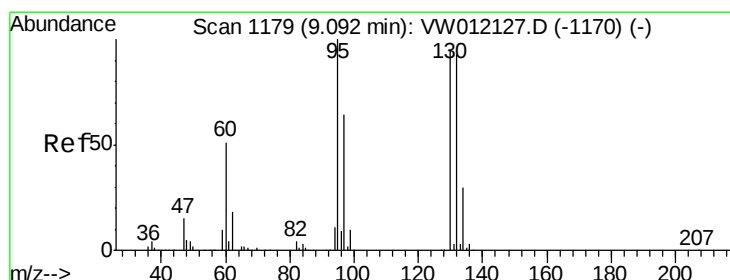
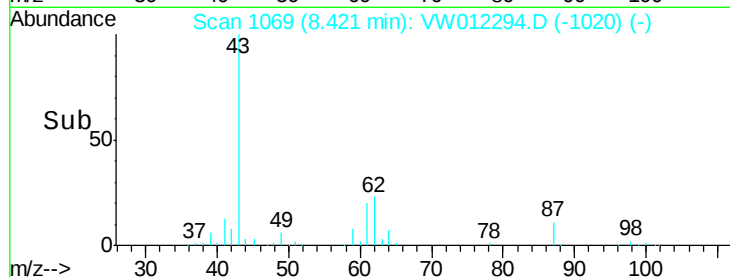
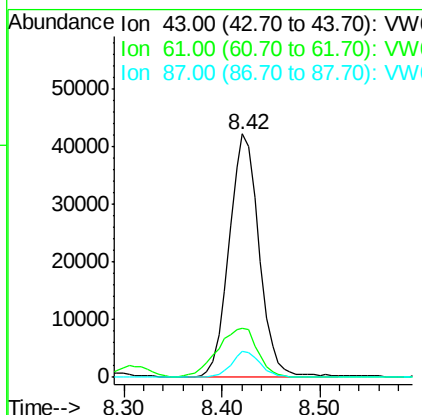
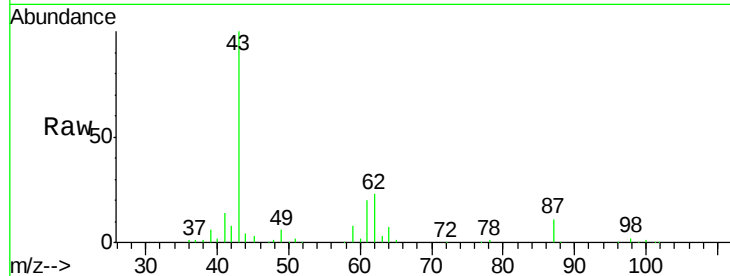
#43
Isopropyl Acetate
Concen: 19.283 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.1	31.7
87	10.4	8.2	12.2

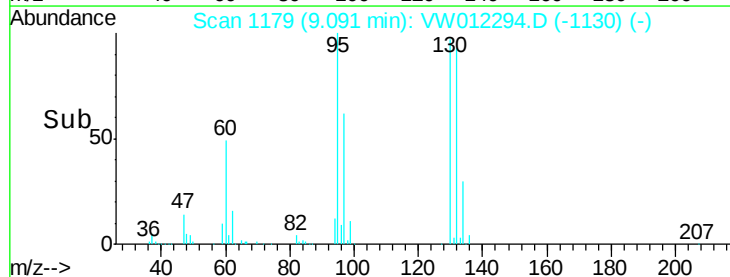
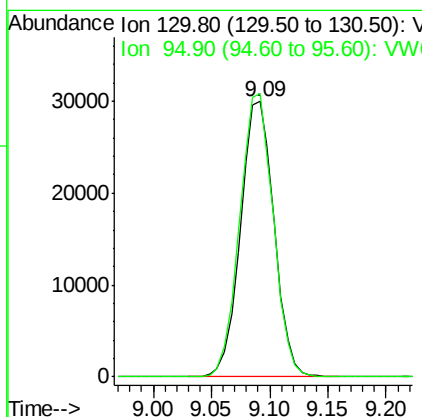
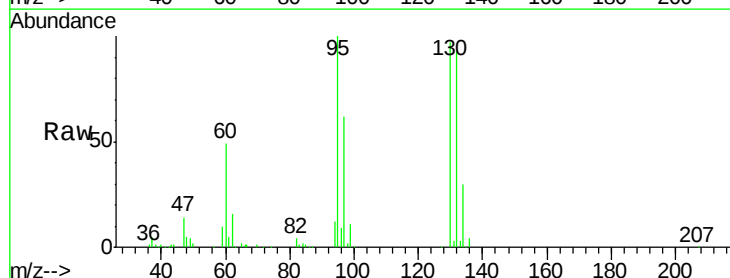
Manual Integrations
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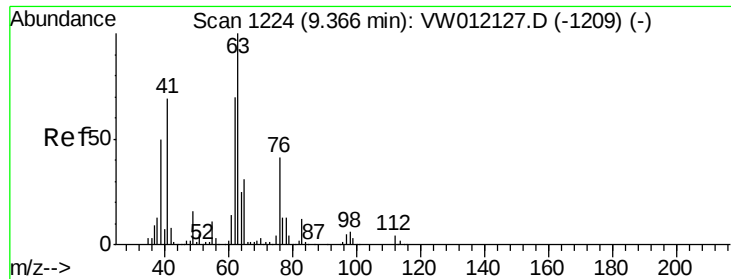
MMDadoda
8/30/2019 11:41:18 AM



#44
Trichloroethene
Concen: 20.055 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	210.6





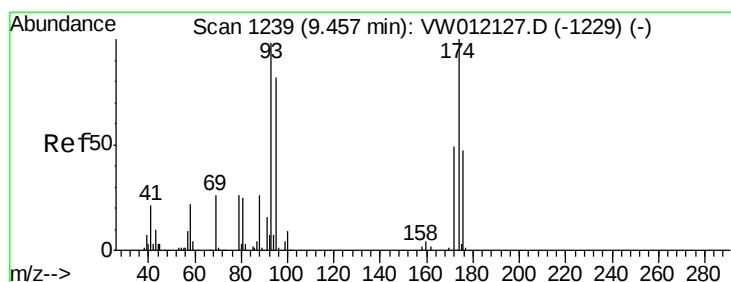
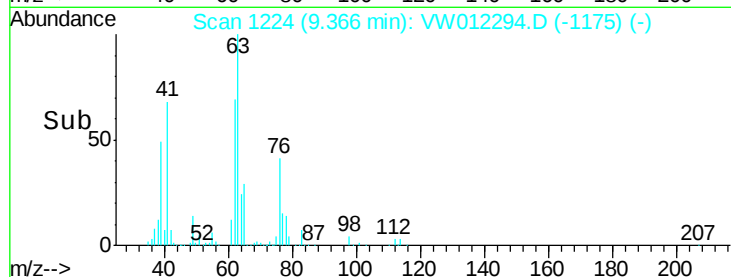
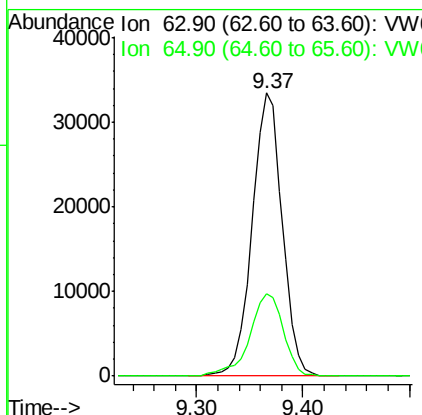
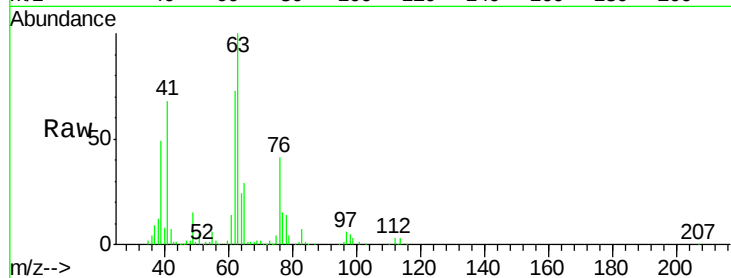
#45
 1,2-Dichloropropane
 Concen: 19.889 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion: 63 Resp: 66323
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.0 37.4

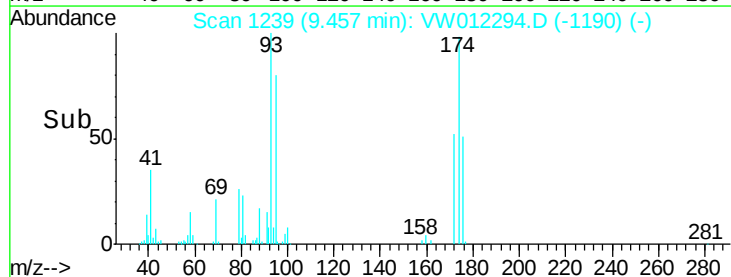
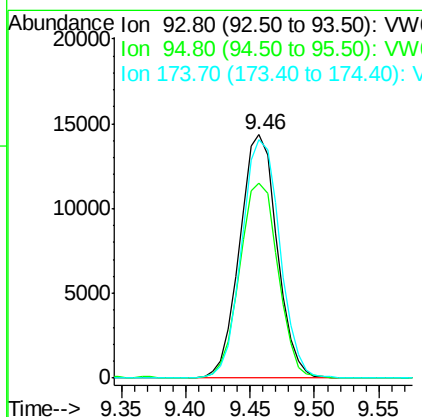
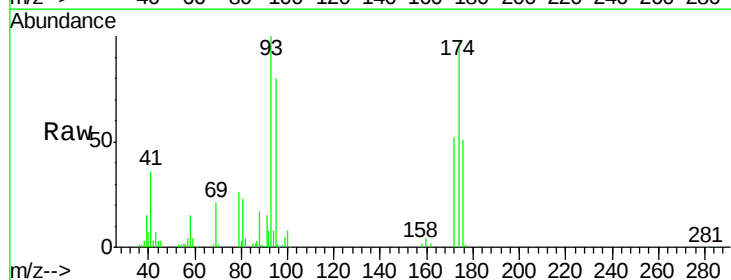
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.451 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Tgt Ion: 93 Resp: 28860
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.2 100.8
 174 99.9 79.0 118.6





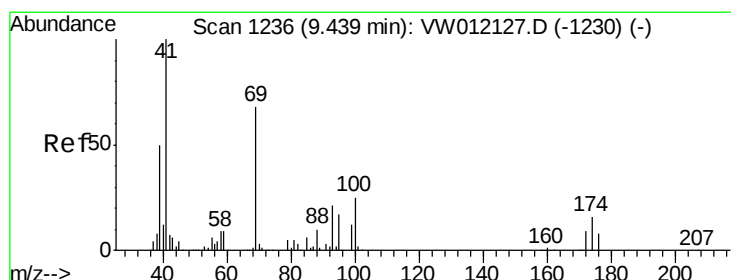
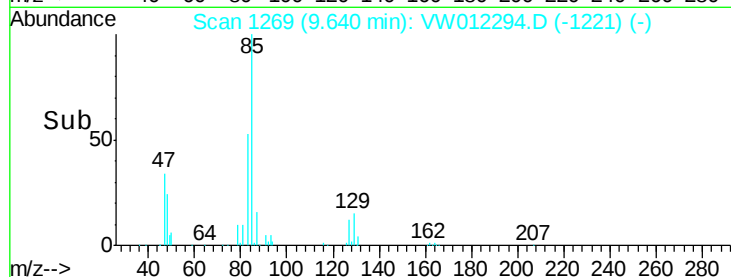
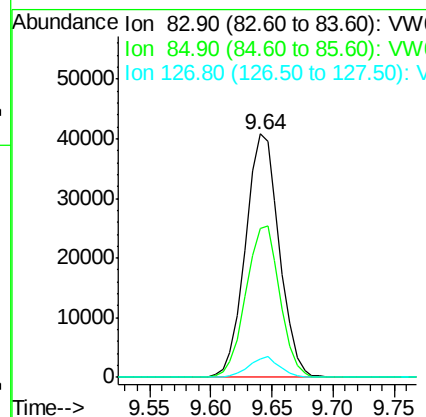
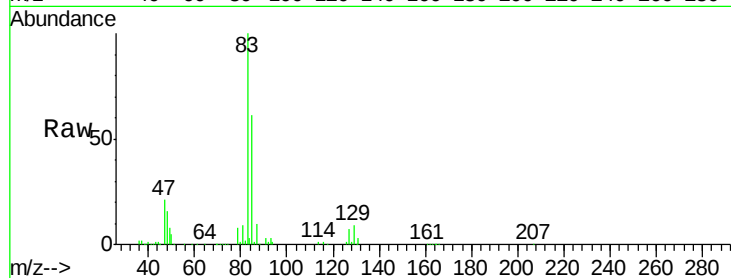
#47
Bromodichloromethane
Concen: 19.828 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	49.4	74.2
127	7.4	6.1	9.1

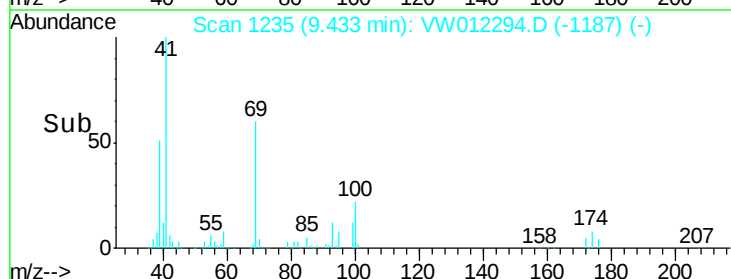
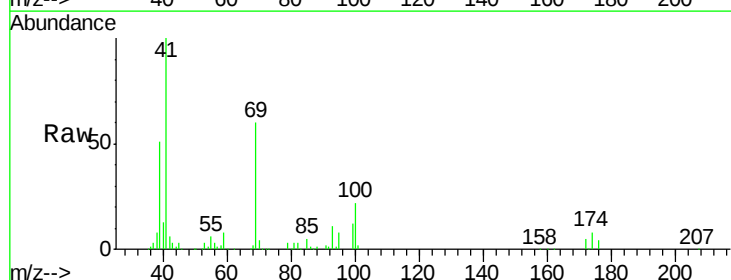
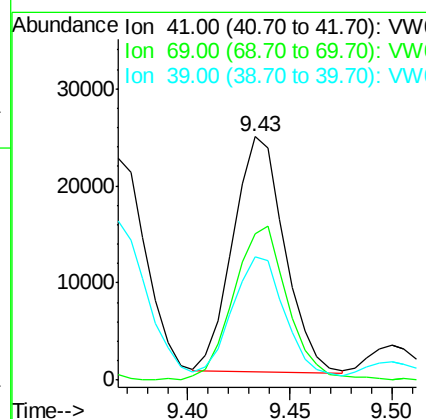
Manual Integrations
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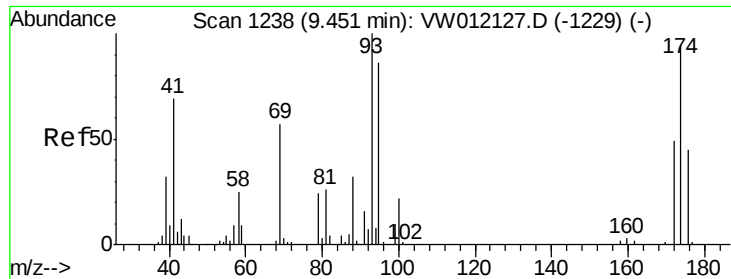
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#48
Methyl methacrylate
Concen: 19.360 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	68.1	56.7	85.1
39	50.9	42.0	63.0





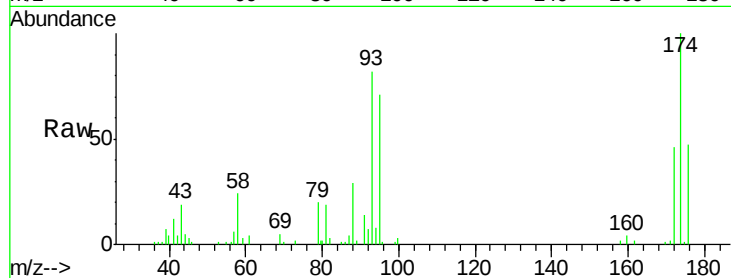
#49
 1,4-Dioxane
 Concen: 334.248 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.02 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	94.5	71.0	106.4

Manual Integrations
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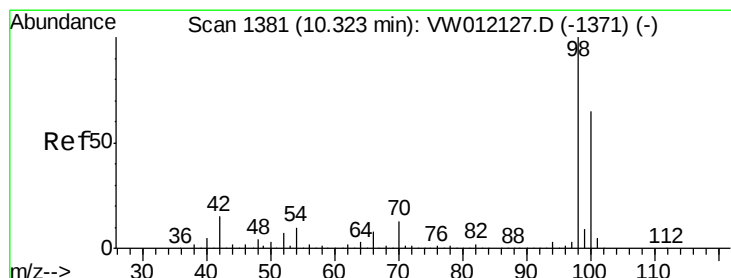
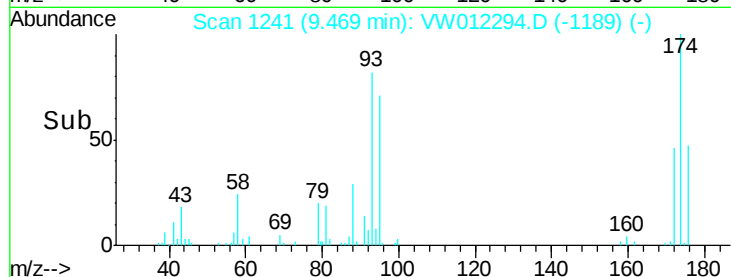
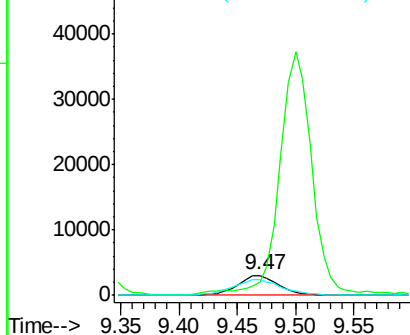


Abundance

Ion 88.00 (87.70 to 88.70): VW

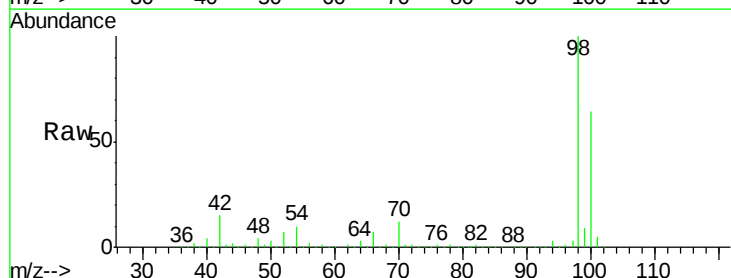
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
 Toluene-d8
 Concen: 50.937 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

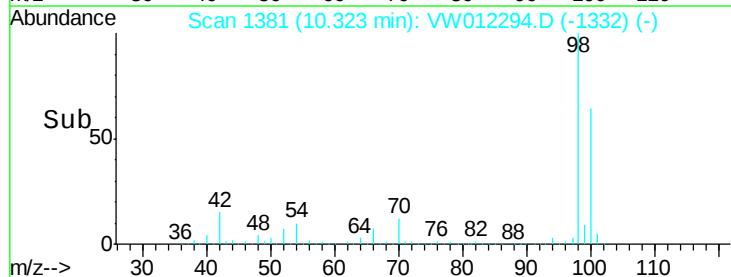
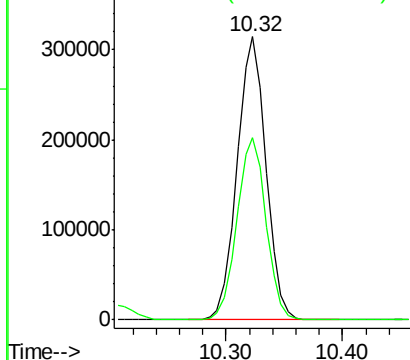
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6

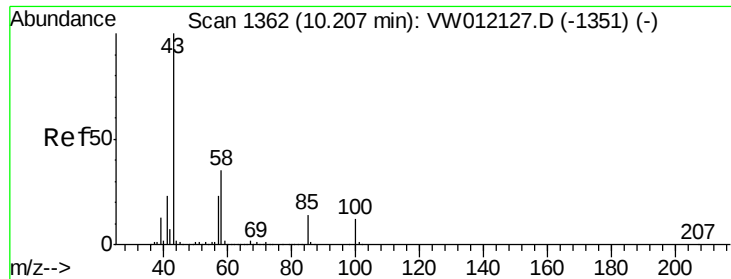


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 96.012 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampled :

VW0829SBS01

Tot Ion: 43 Resp: 224931

Ion Ratio Lower Upper

43 100

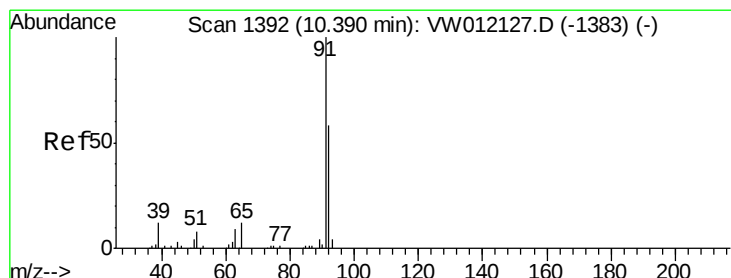
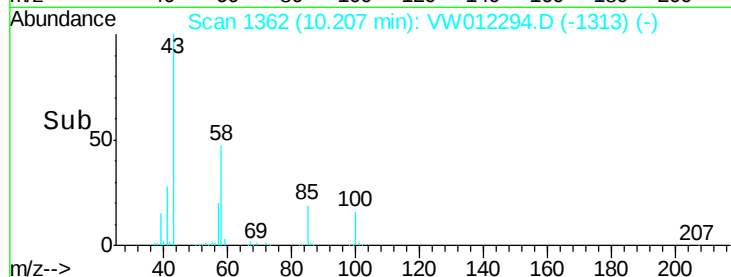
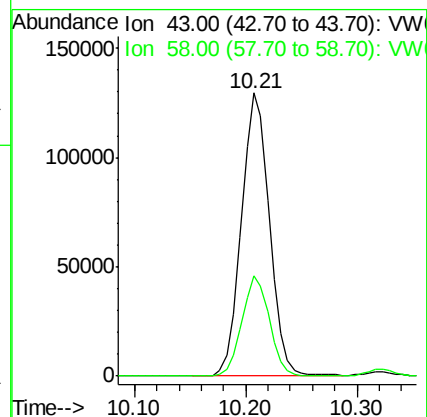
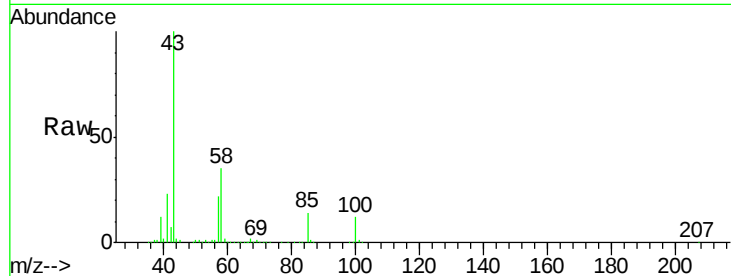
58 35.0 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 20.118 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012294.D

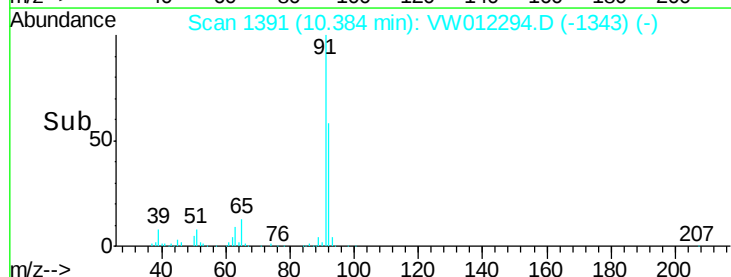
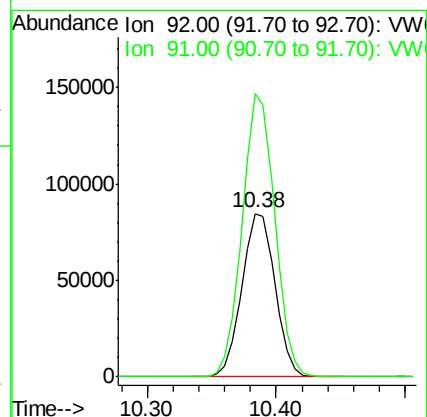
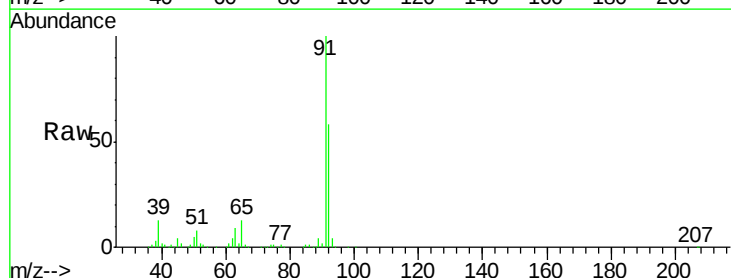
Acq: 29 Aug 2019 11:19

Tgt Ion: 92 Resp: 149746

Ion Ratio Lower Upper

92 100

91 171.7 136.6 204.8





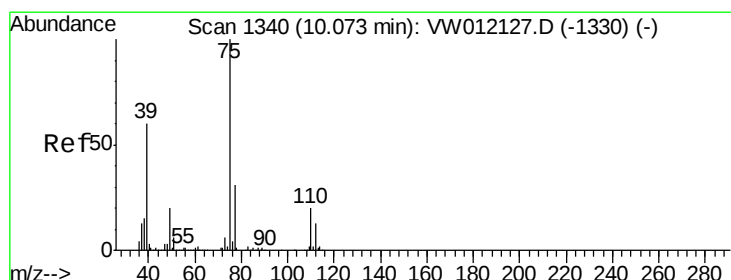
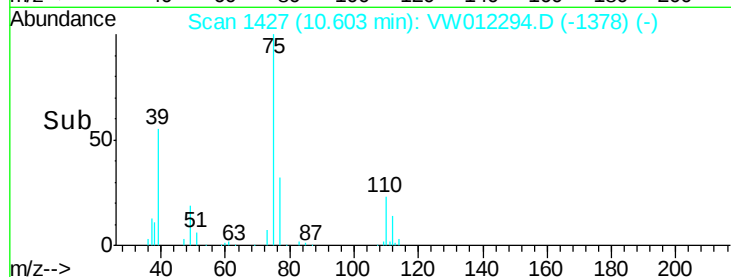
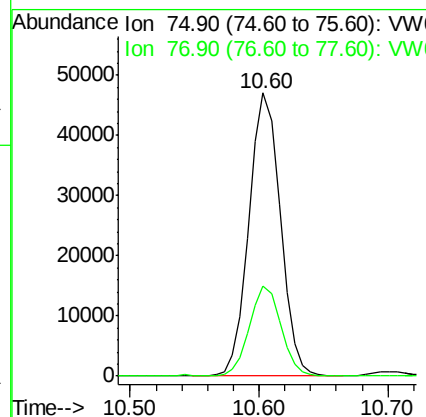
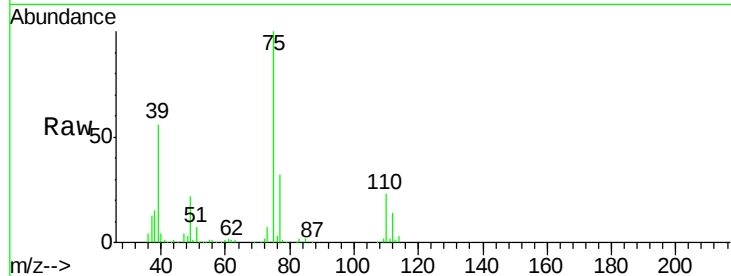
#53
t-1,3-Dichloropropene
Concen: 19.715 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion: 75 Resp: 79300
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

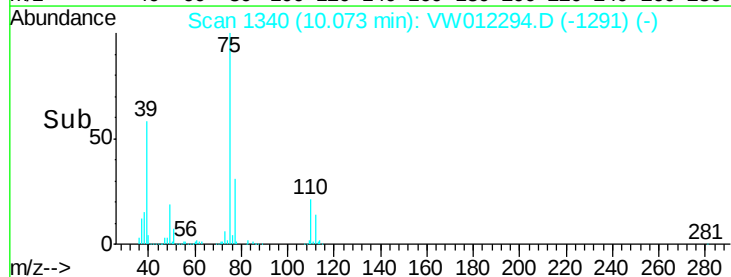
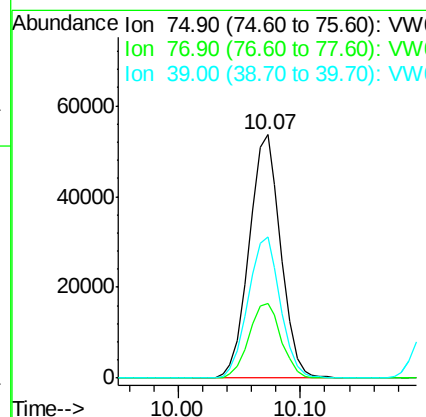
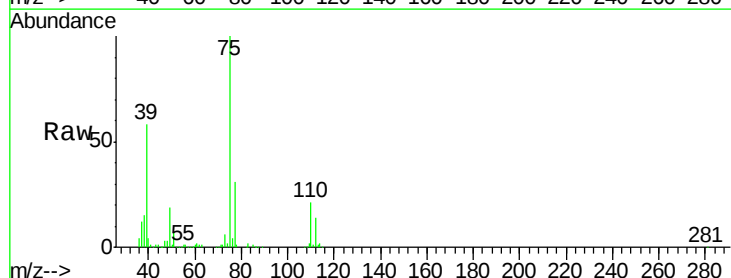
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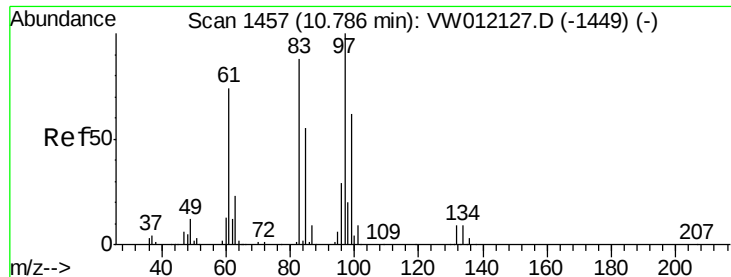
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.752 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 75 Resp: 95930
Ion Ratio Lower Upper
75 100
77 30.5 25.1 37.7
39 57.9 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 19.939 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

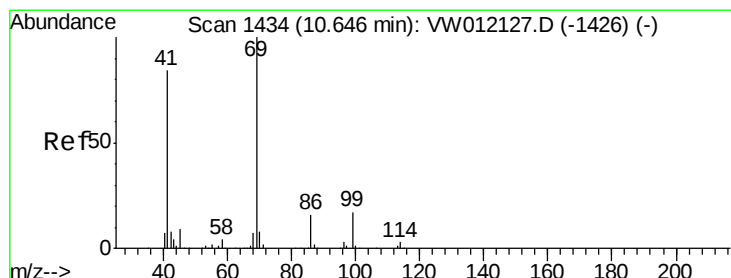
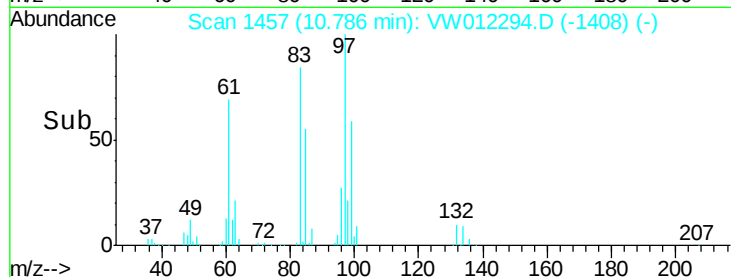
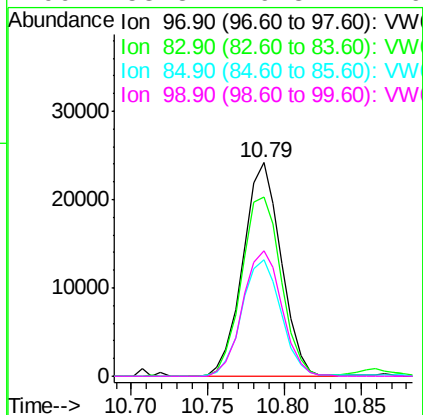
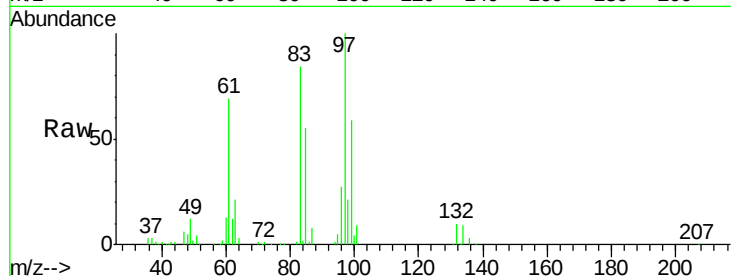
ClientSampleId :

VW0829SBS01

Tot Ion:	97	Resp:	41856
Ion	Ratio	Lower	Upper
97	100		
83	83.9	70.8	106.2
85	54.6	43.8	65.8
99	58.8	49.8	74.6

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#56

Ethyl methacrylate

Concen: 19.968 ug/l

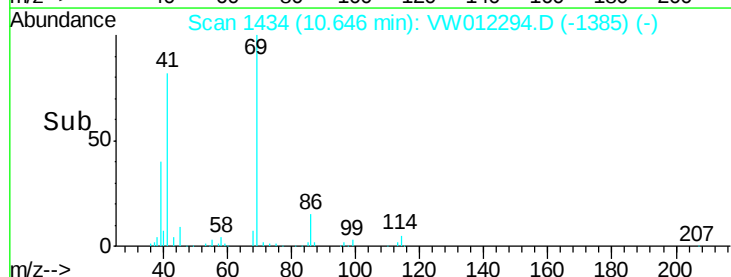
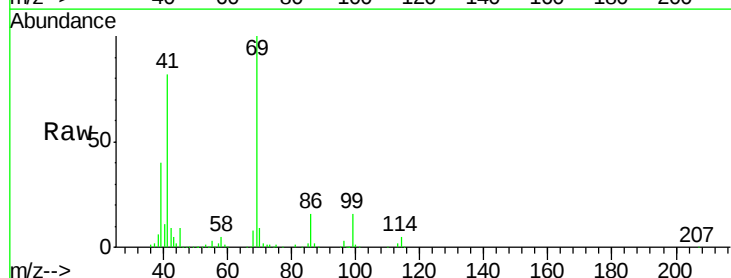
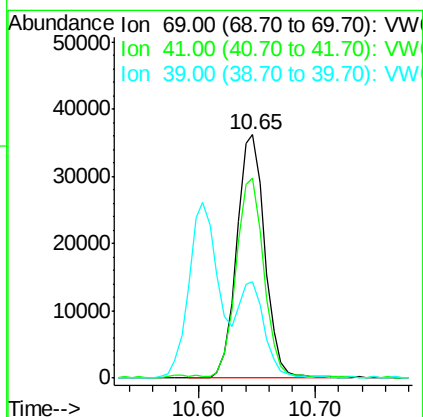
RT: 10.65 min Scan# 1434

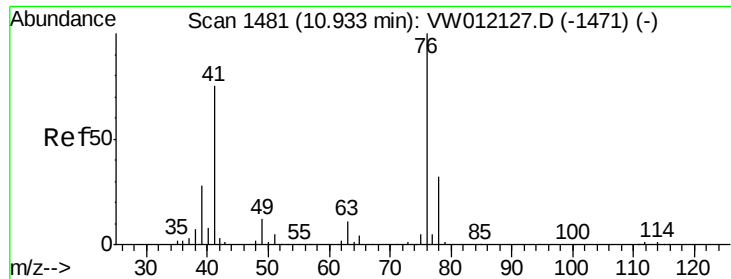
Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	69	Resp:	61007
Ion	Ratio	Lower	Upper
69	100		
41	79.7	66.5	99.7
39	36.3	31.0	46.4





#57

1,3-Dichloropropane

Concen: 19.913 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 76 Resp: 78993

Ion Ratio Lower Upper

76 100

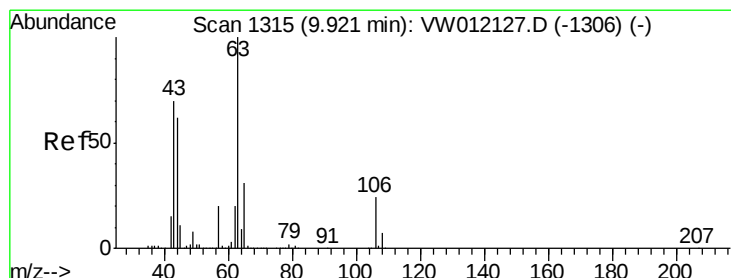
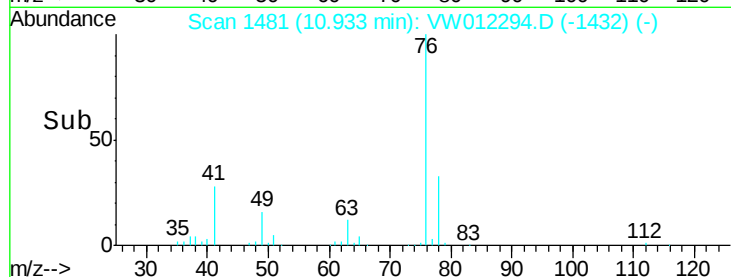
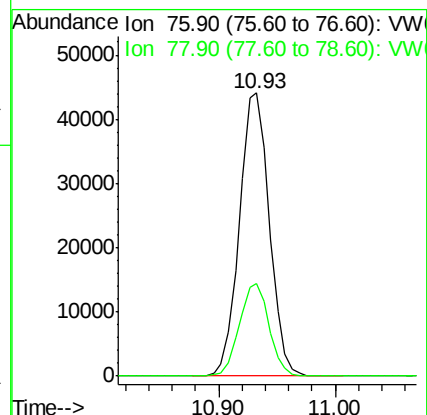
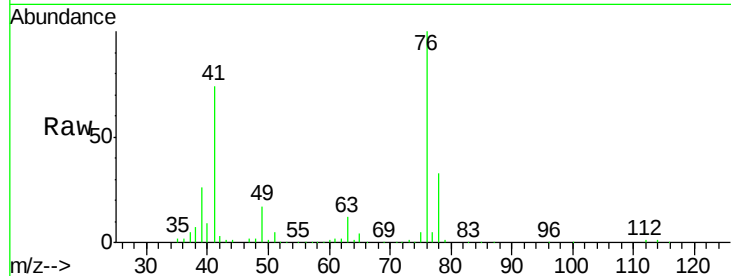
78 32.4 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.899 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012294.D

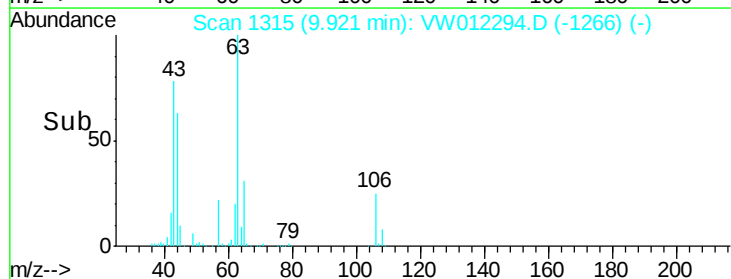
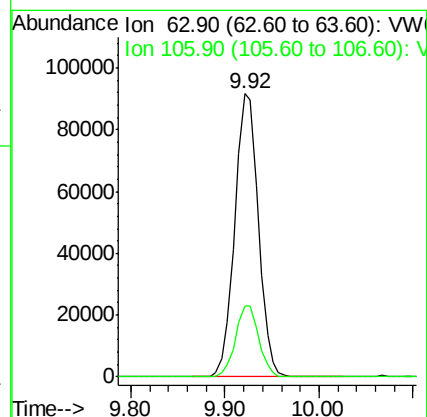
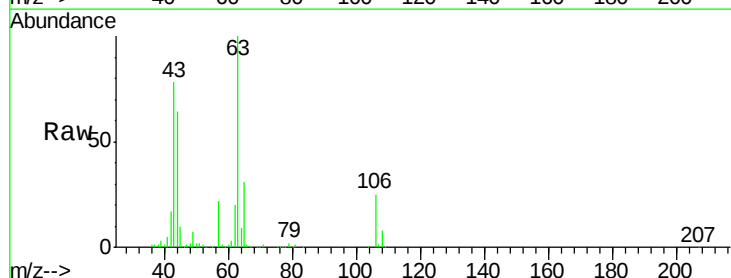
Acq: 29 Aug 2019 11:19

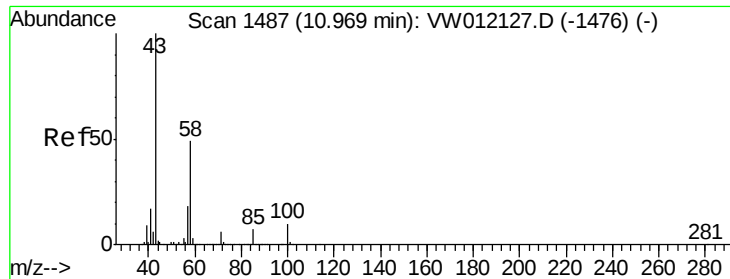
Tgt Ion: 63 Resp: 159779

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.8





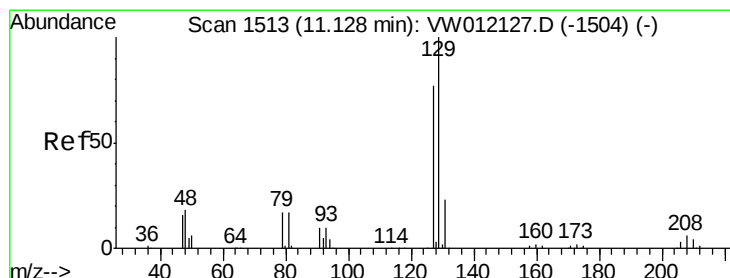
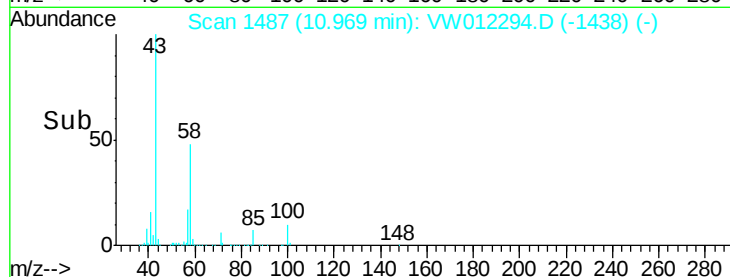
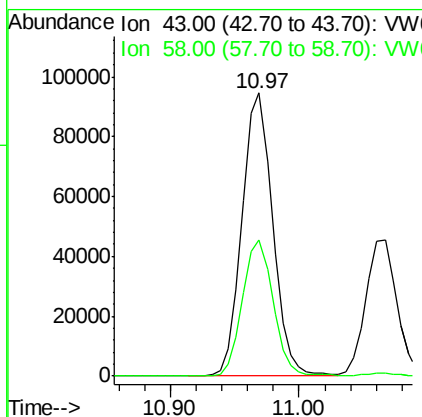
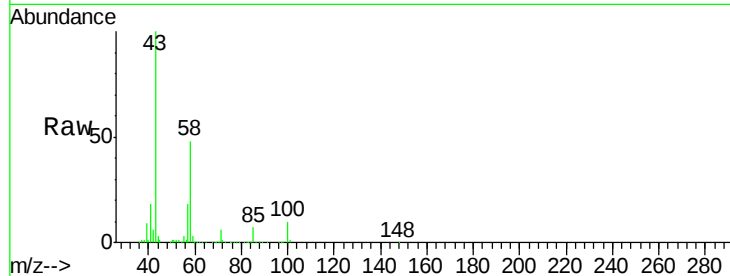
#59
2-Hexanone
Concen: 93.947 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion: 43 Resp: 155730
Ion Ratio Lower Upper
43 100
58 48.5 24.3 72.9

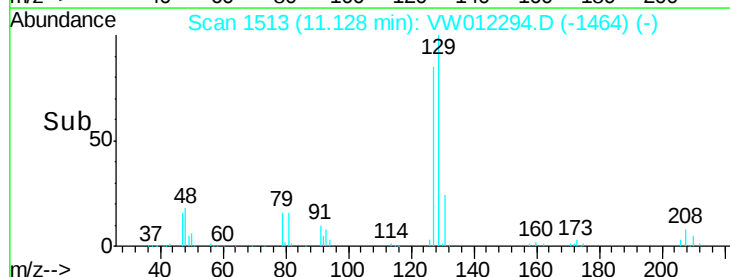
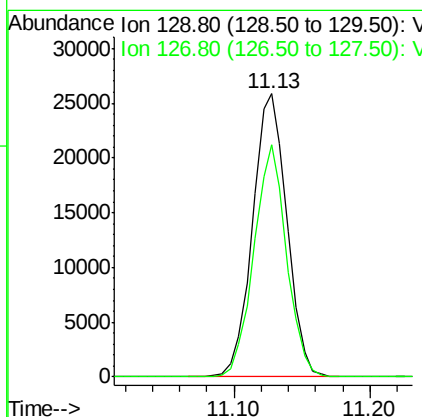
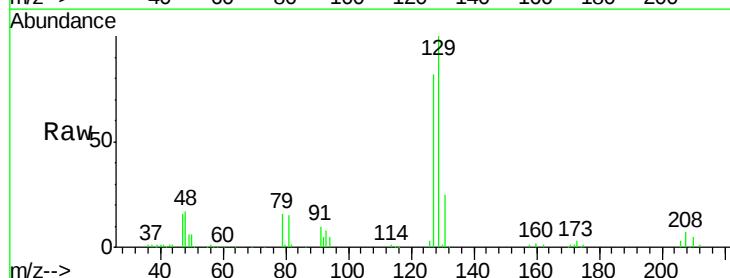
Manual Integrations
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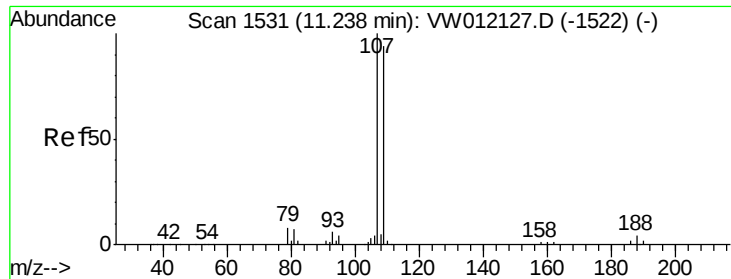
MMDadoda
8/30/2019 11:41:18 AM



#60
Dibromochloromethane
Concen: 19.542 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 129 Resp: 45694
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





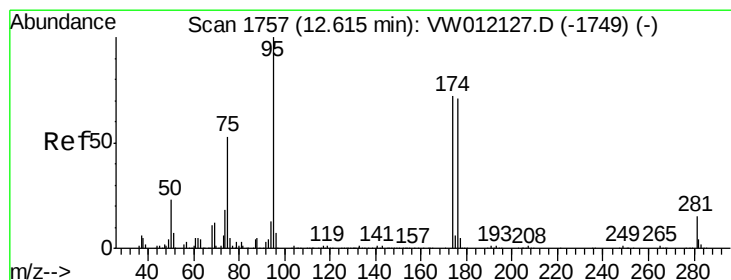
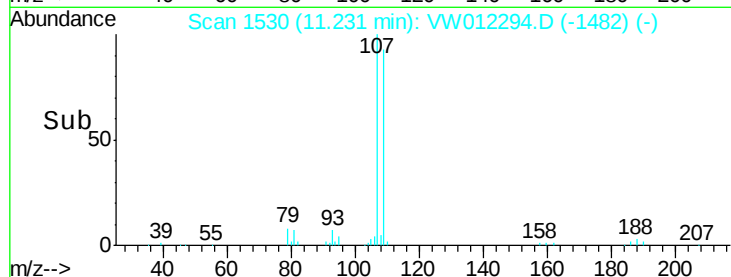
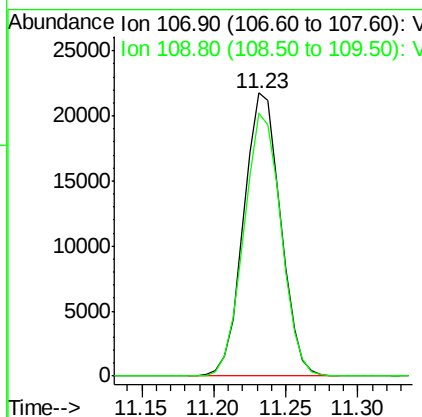
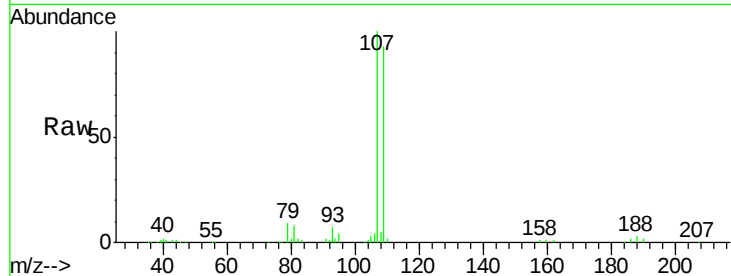
#61
 1,2-Dibromoethane
 Concen: 19.705 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion: 107 Resp: 38537
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.4 113.2

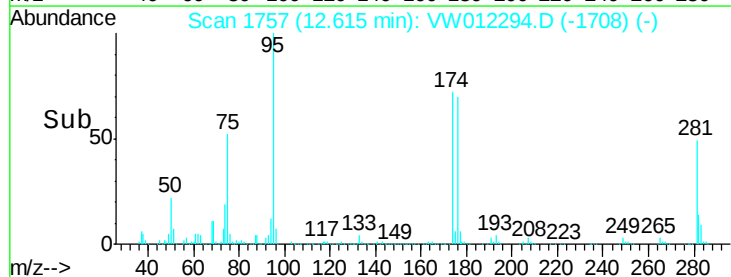
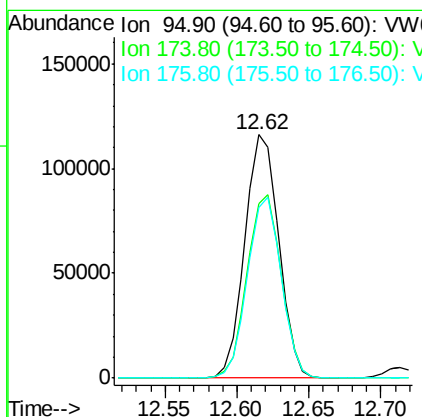
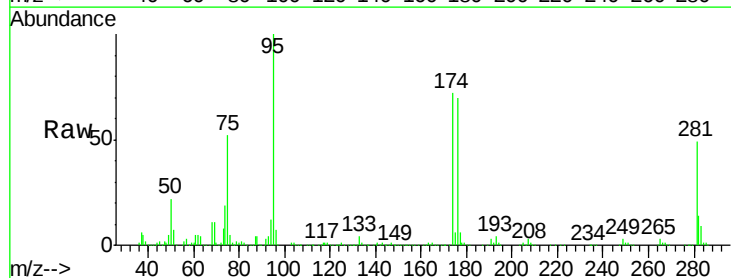
Manual Integrations
 APPROVED

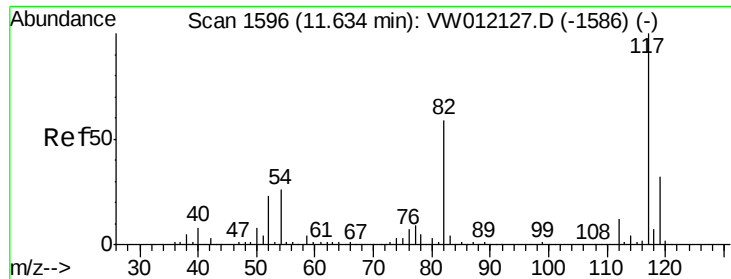
MMDadoda
 8/30/2019 11:41:18 AM



#62
 4-Bromofluorobenzene
 Concen: 50.663 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Tgt Ion: 95 Resp: 189798
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 150.8
 176 73.6 0.0 148.6





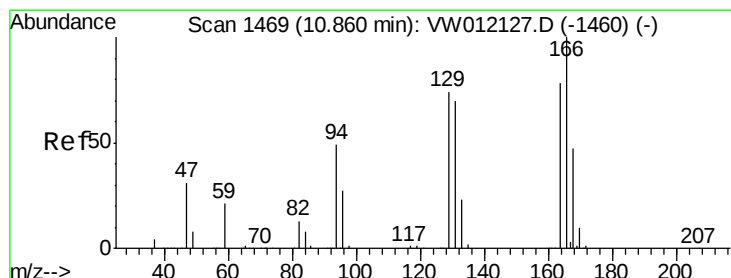
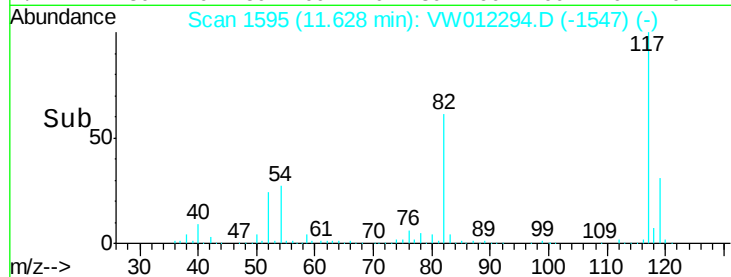
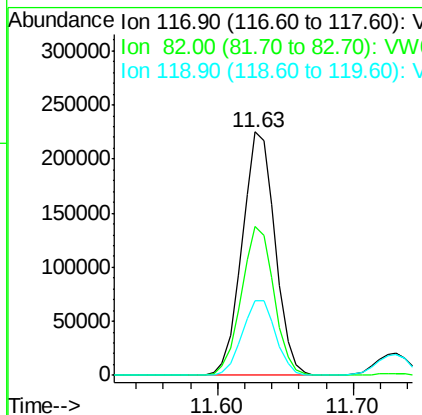
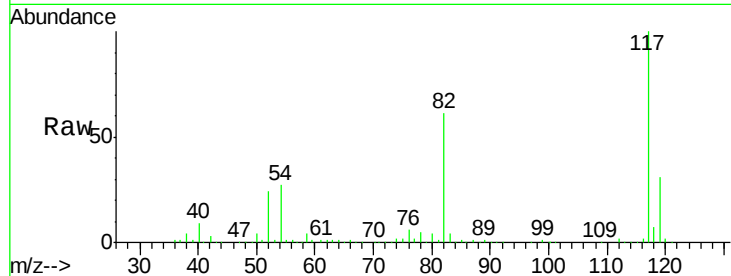
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.4	71.2
119	30.6	25.4	38.2

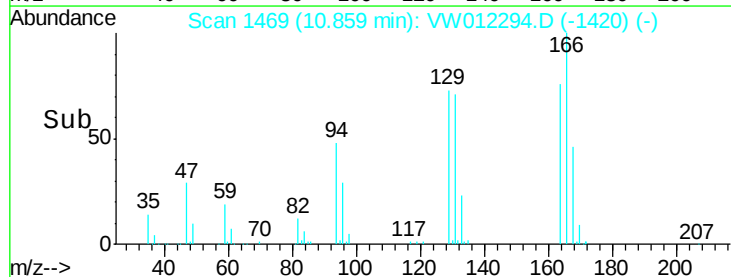
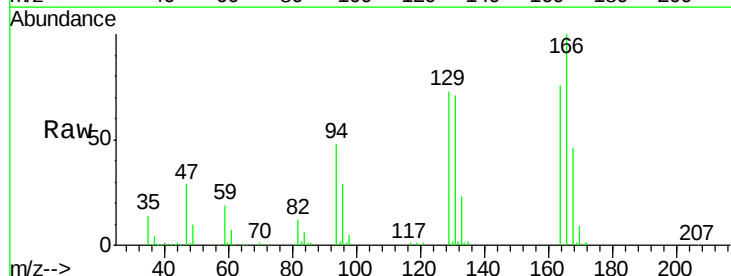
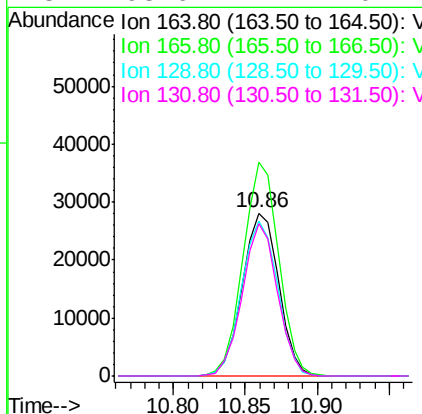
Manual Integrations
APPROVED

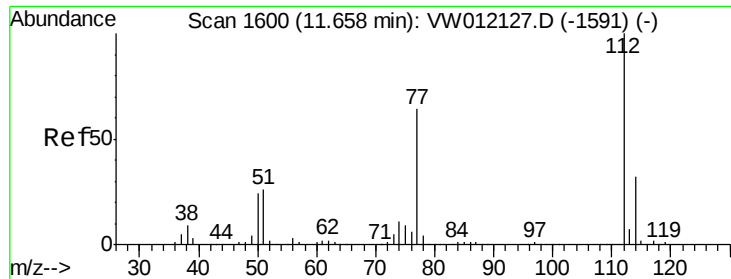
MMDadoda
8/30/2019 11:41:18 AM



#64
Tetrachloroethene
Concen: 19.976 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	102.4	153.6
129	95.3	75.8	113.6
131	93.6	71.4	107.2





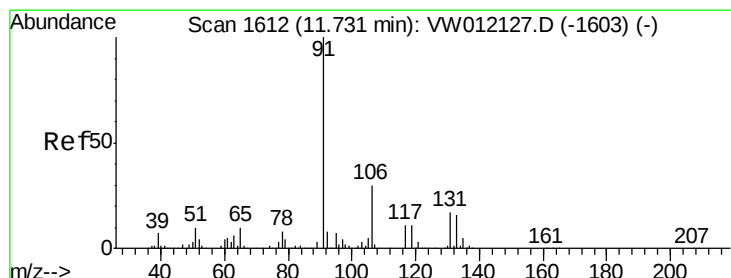
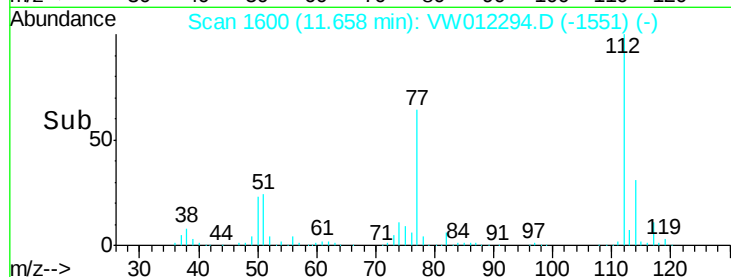
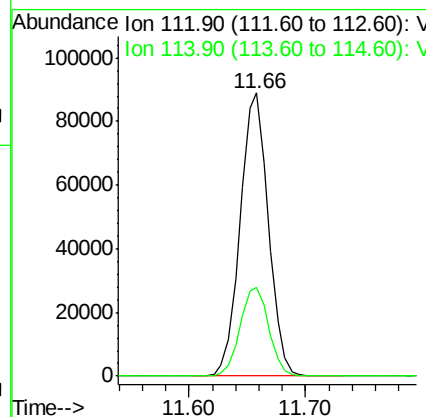
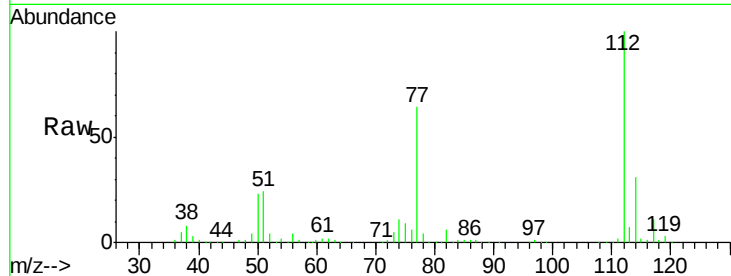
#65
Chlorobenzene
Concen: 20.067 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion:112 Resp: 150037
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6

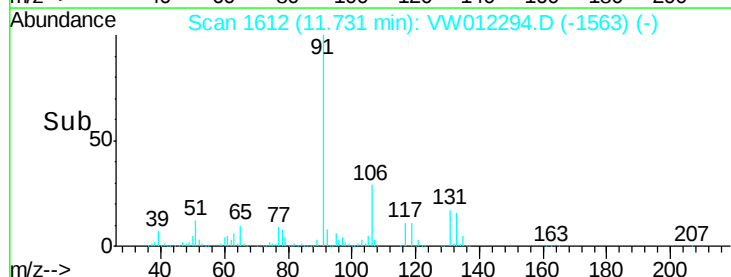
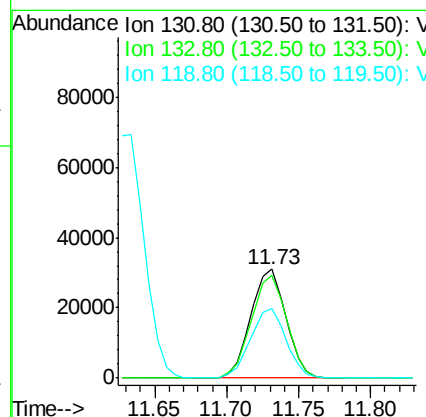
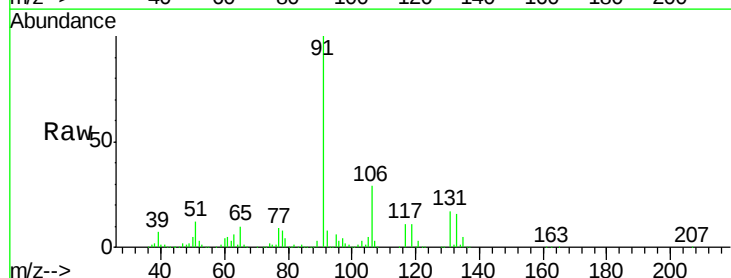
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.054 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion:131 Resp: 52307
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.3
119 64.8 31.8 95.3





#67

Ethyl Benzene

Concen: 20.370 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 91 Resp: 293377

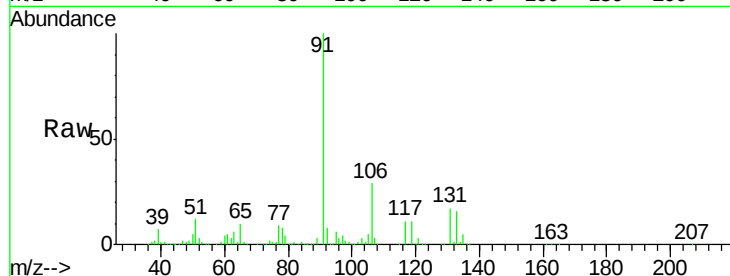
Ion Ratio Lower Upper

91 100

106 29.5 24.3 36.5

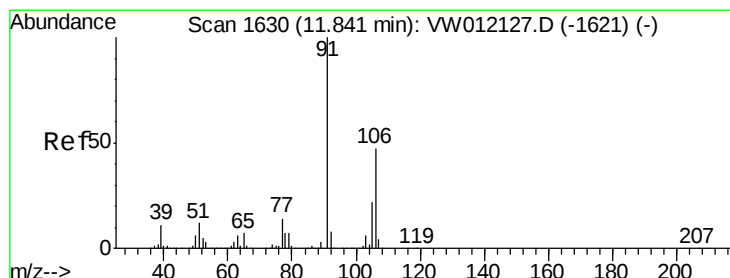
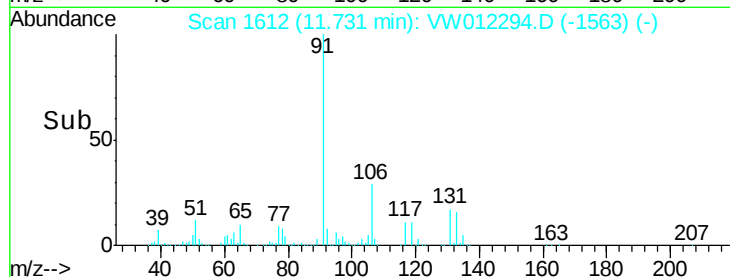
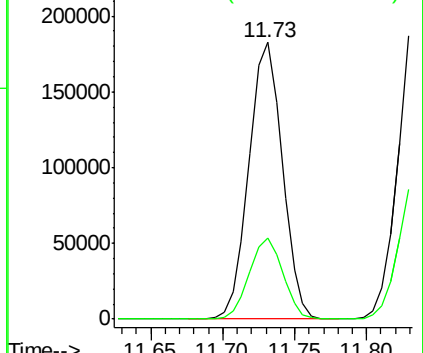
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.653 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012294.D

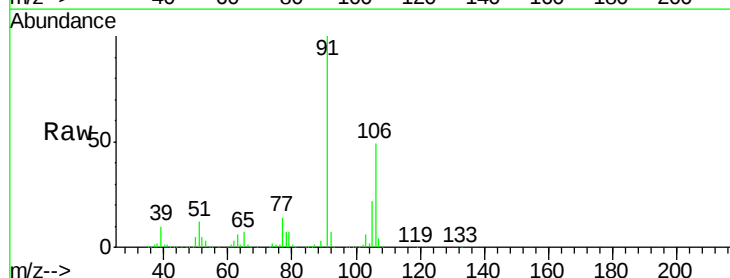
Acq: 29 Aug 2019 11:19

Tgt Ion: 106 Resp: 210903

Ion Ratio Lower Upper

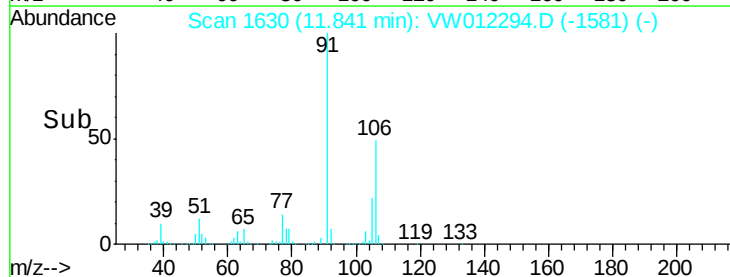
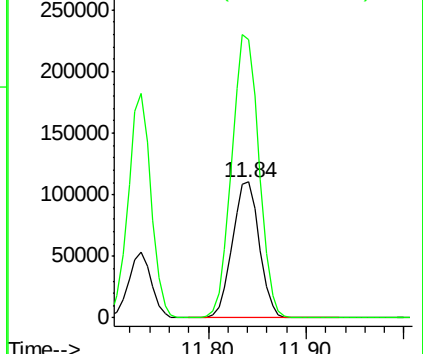
106 100

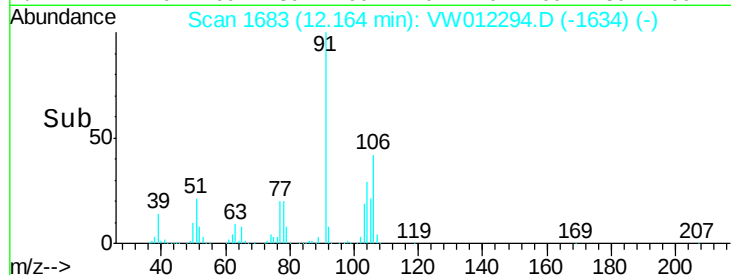
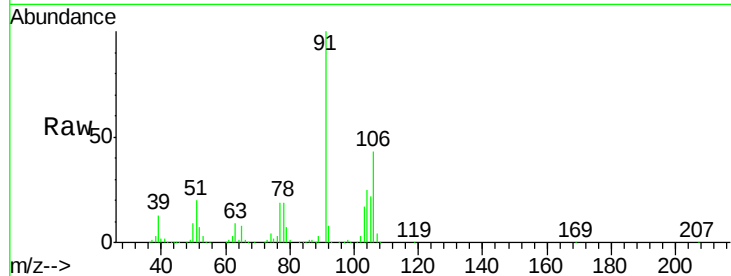
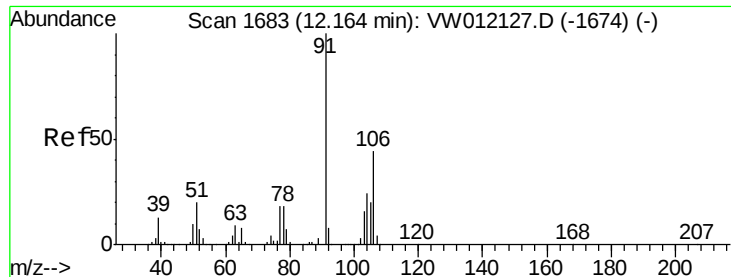
91 210.1 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





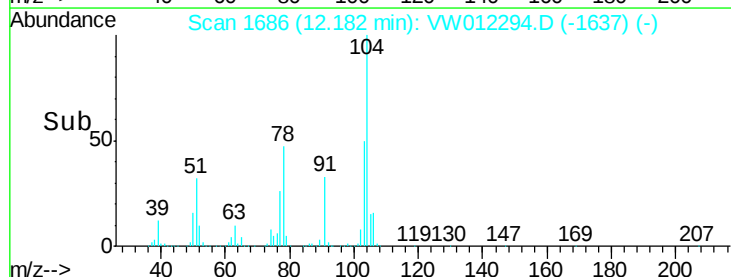
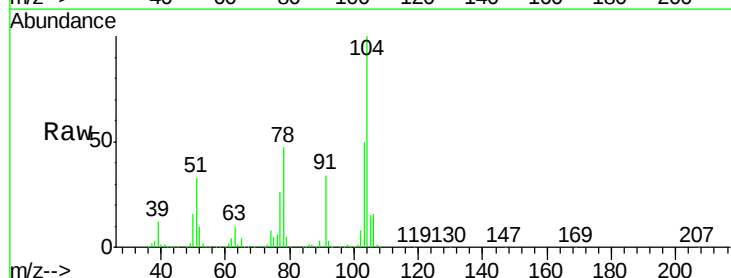
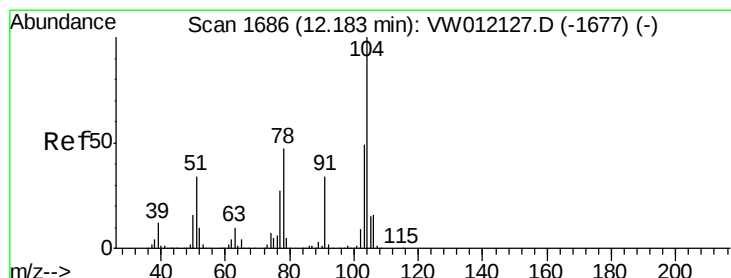
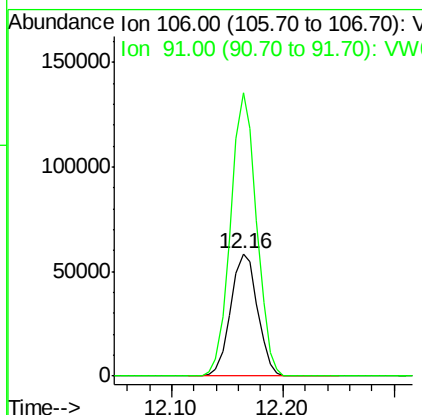
#69
o-Xylene
Concen: 20.377 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tot Ion:106 Resp: 97842
Ion Ratio Lower Upper
106 100
91 222.7 111.6 334.6

Instrument :
MSVOA_W
ClientSampled :
VW0829SBS01

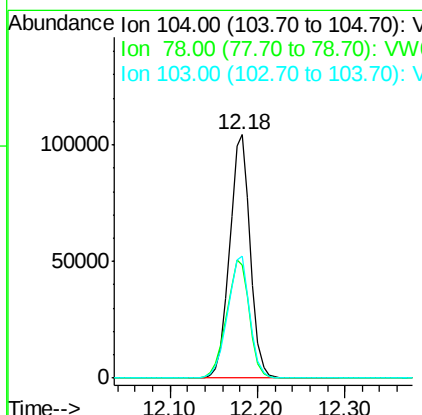
Manual Integrations
APPROVED

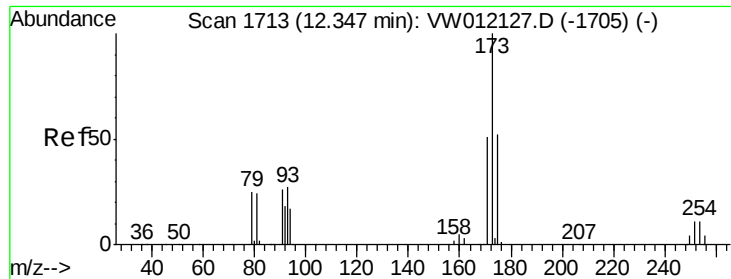
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#70
Styrene
Concen: 20.458 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion:104 Resp: 170031
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 53.8 43.5 65.3





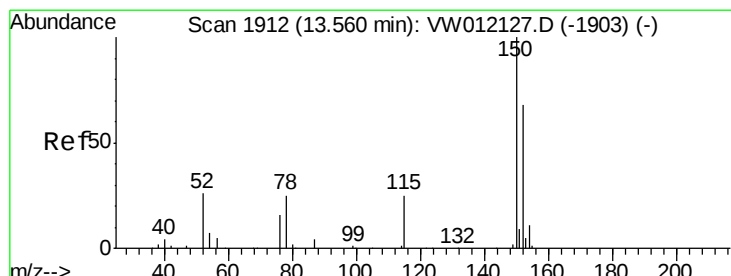
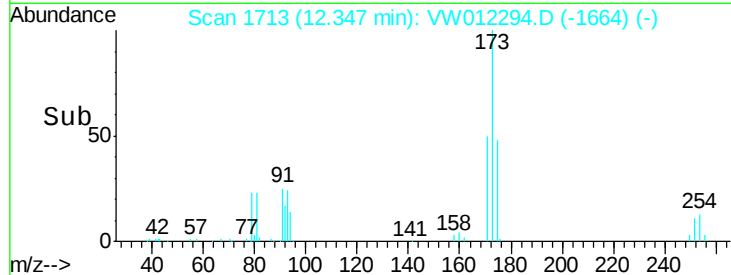
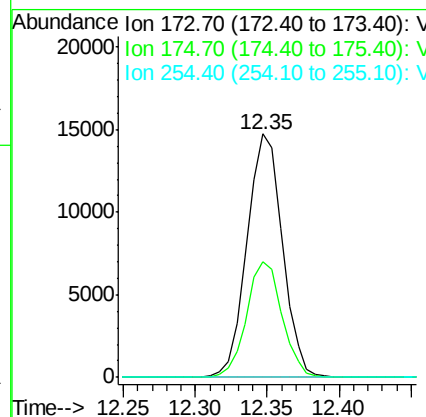
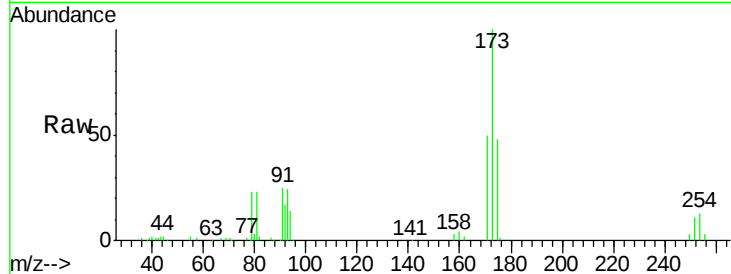
#71
Bromoform
Concen: 19.264 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.6	74.0
254	0.0	0.2	0.2

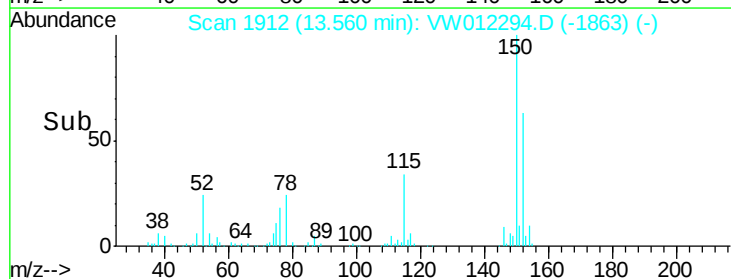
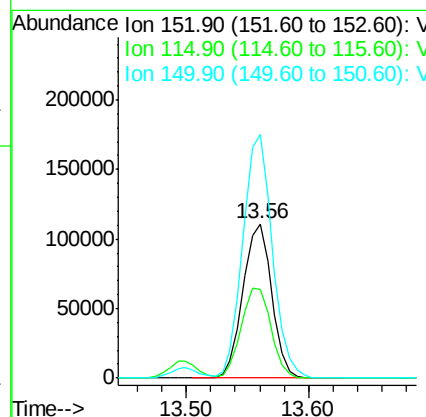
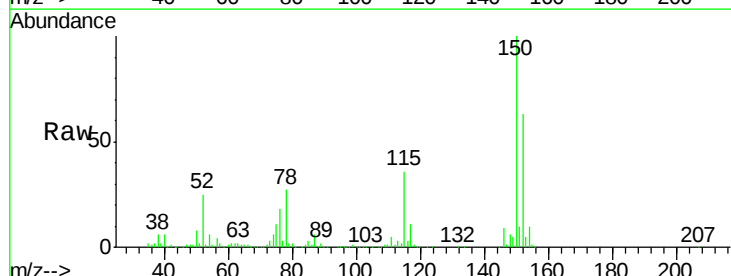
Manual Integrations
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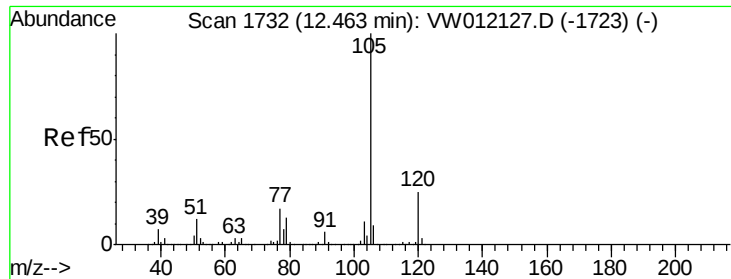
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.3
150	163.0	0.0	345.8





#73

Isopropylbenzene

Concen: 20.845 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion:105 Resp: 281379

Ion Ratio Lower Upper

105 100

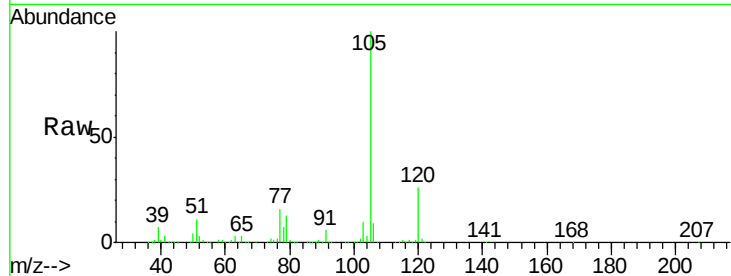
120 25.7 12.5 37.5

Manual Integrations

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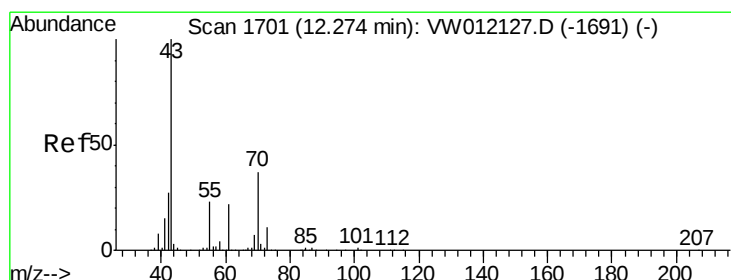
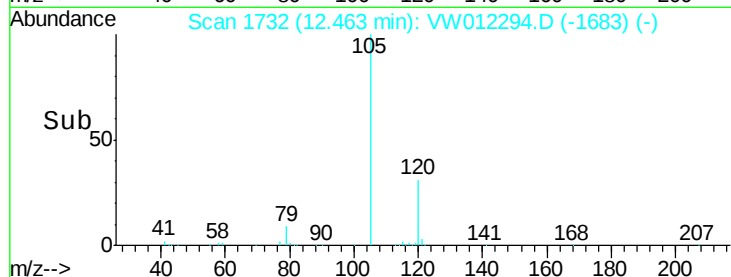
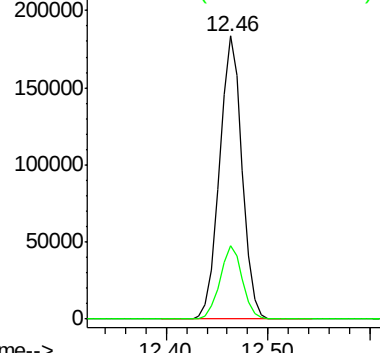
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.474 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Tgt Ion: 43 Resp: 79419

Ion Ratio Lower Upper

43 100

70 36.9 28.6 43.0

55 23.6 17.8 26.6

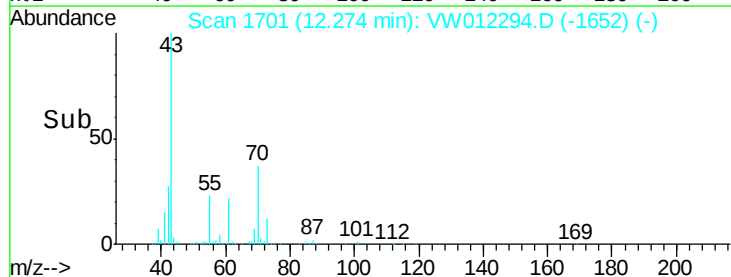
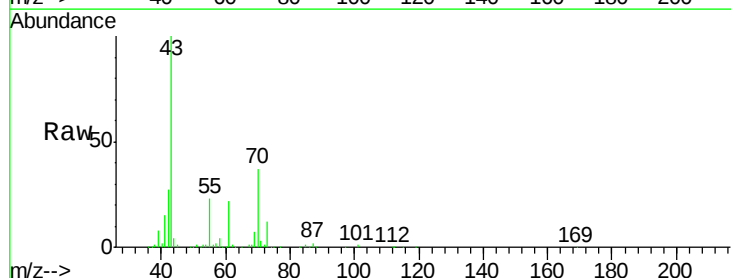
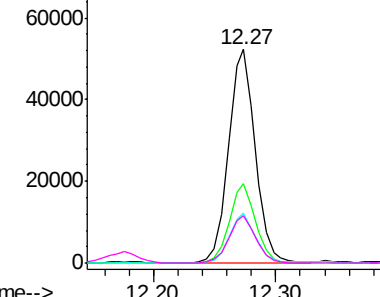
61 22.4 17.3 25.9

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.680 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

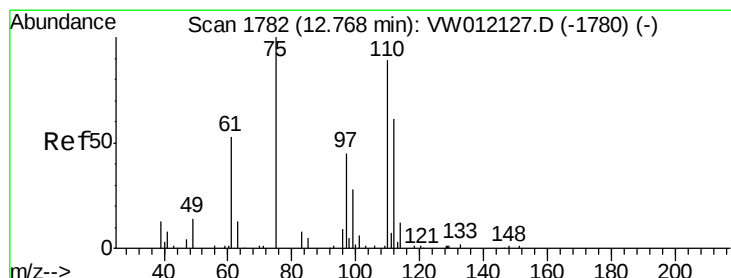
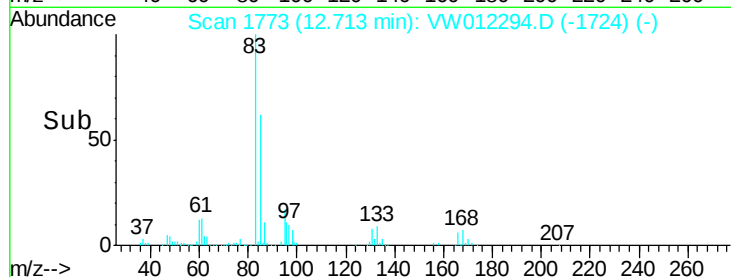
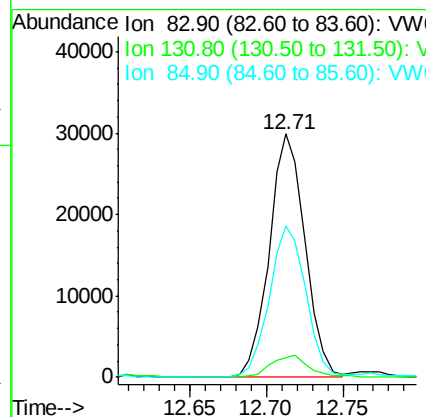
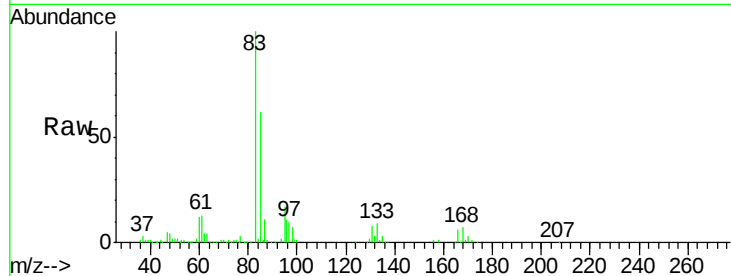
ClientSampleId :

VW0829SBS01

Tot Ion:	83	Resp:	48702
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	63.7	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.569 ug/l m

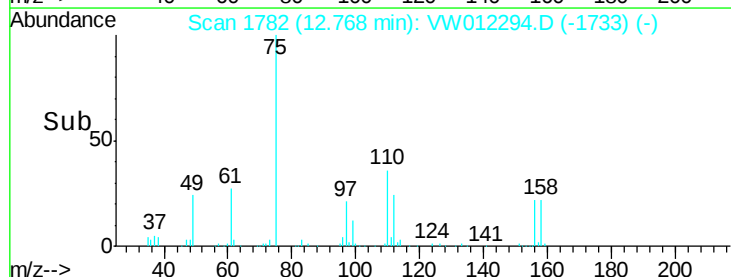
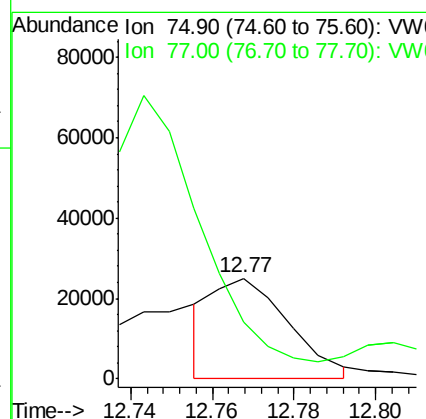
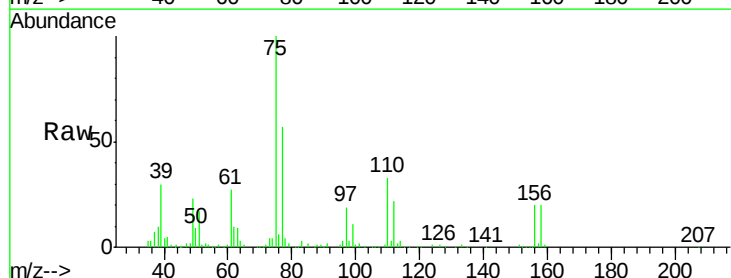
RT: 12.77 min Scan# 1782

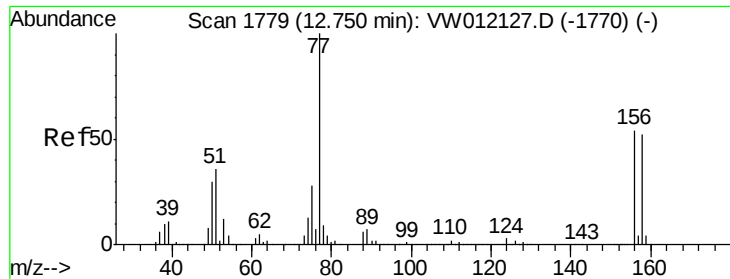
Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	75	Resp:	32579
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.679 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion:156 Resp: 60387

Ion Ratio Lower Upper

156 100

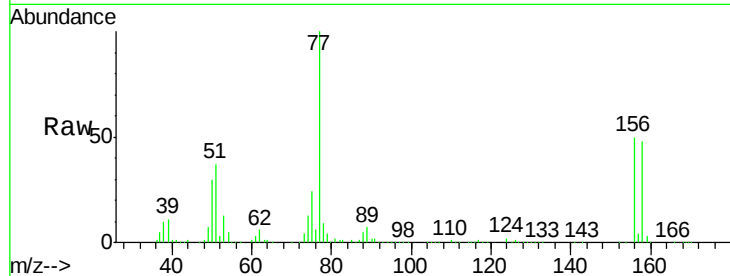
77 207.3 107.3 321.8

158 96.1 49.0 147.0

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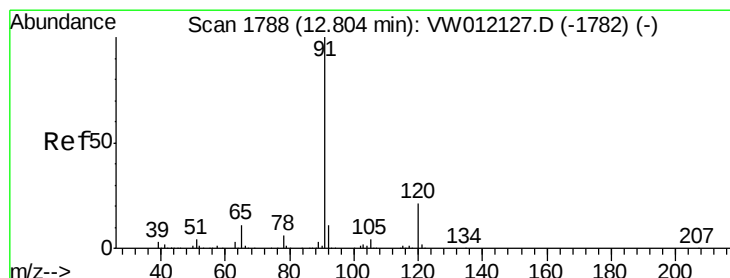
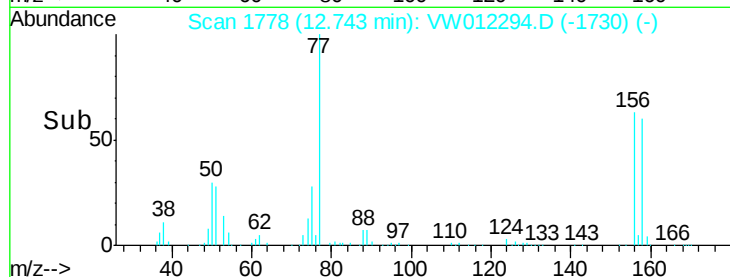
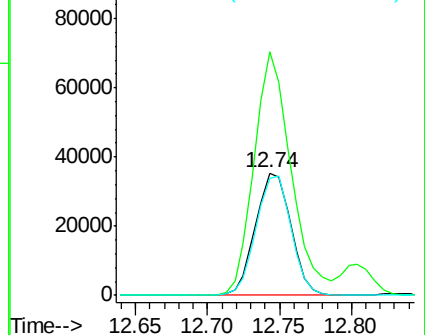
8/30/2019 11:41:18 AM



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: 20.531 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012294.D

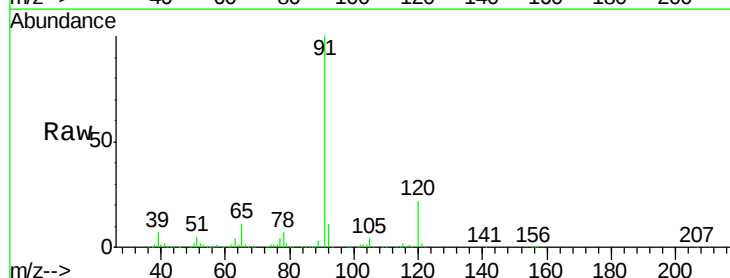
Acq: 29 Aug 2019 11:19

Tgt Ion: 91 Resp: 338328

Ion Ratio Lower Upper

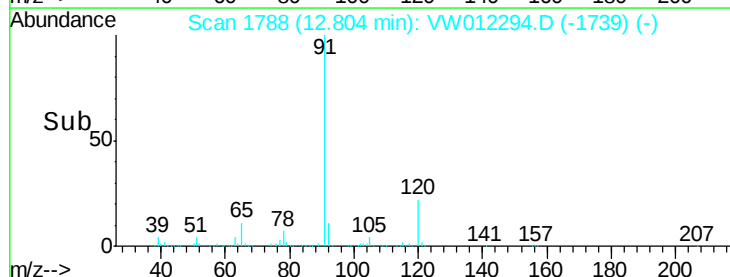
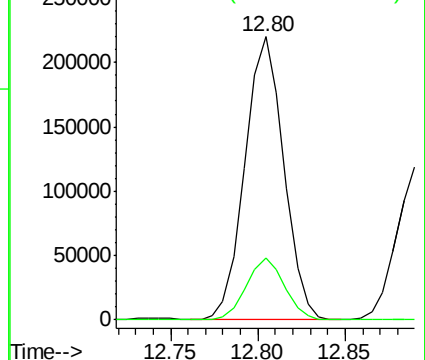
91 100

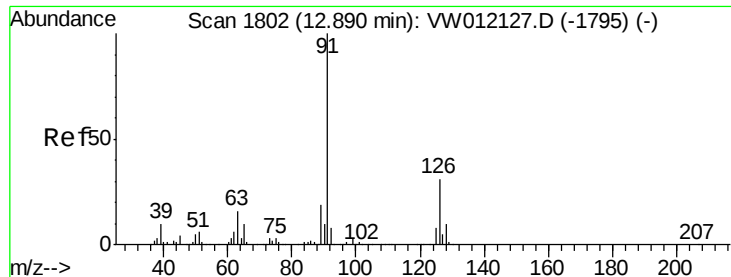
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.479 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 91 Resp: 191598

Ion Ratio Lower Upper

91 100

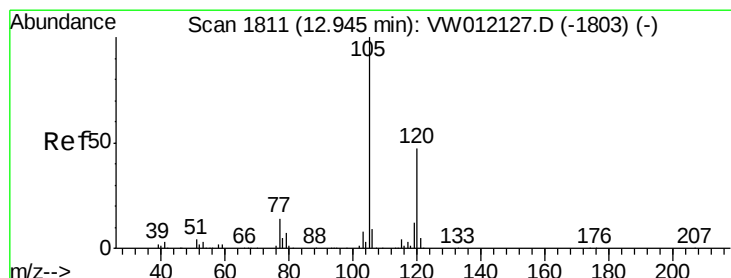
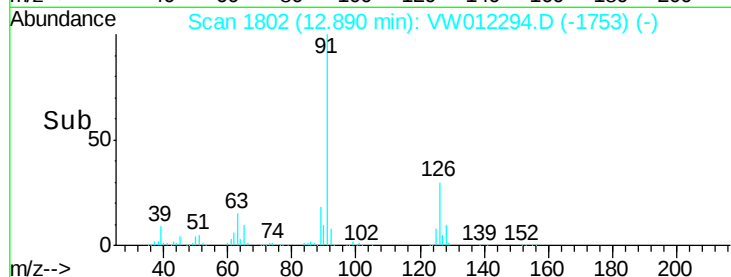
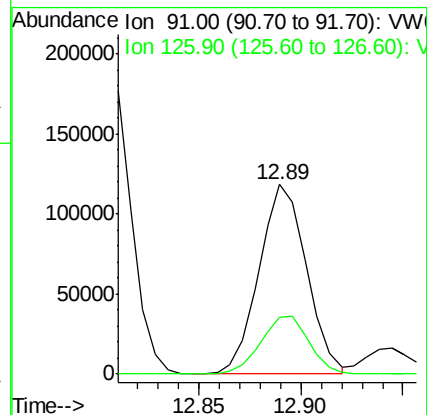
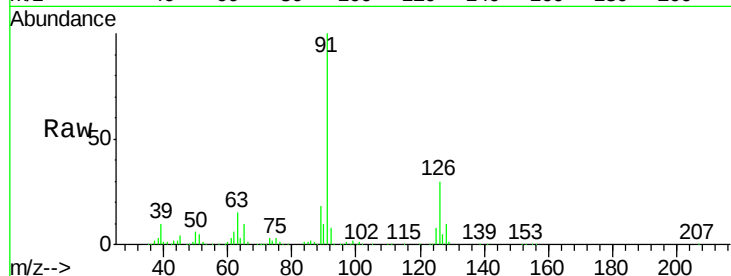
126 31.2 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.686 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012294.D

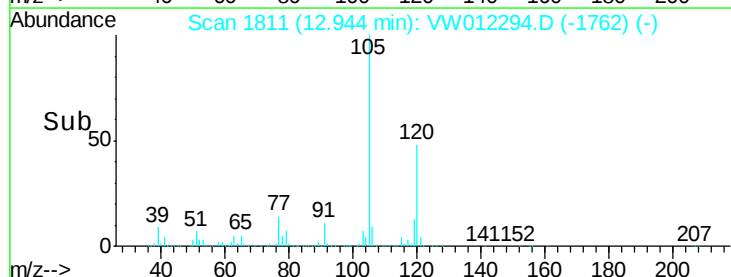
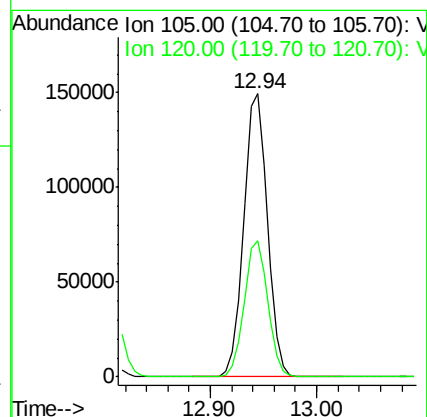
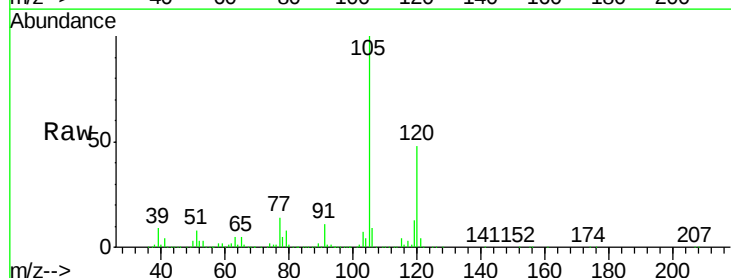
Acq: 29 Aug 2019 11:19

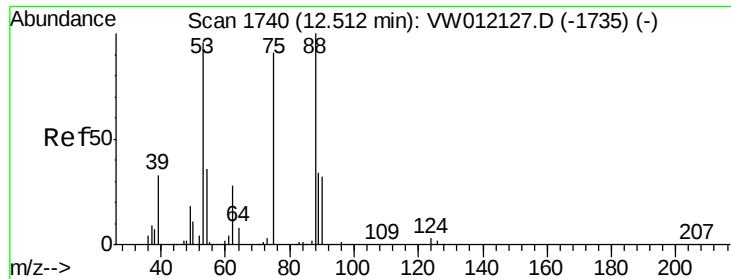
Tgt Ion:105 Resp: 233325

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





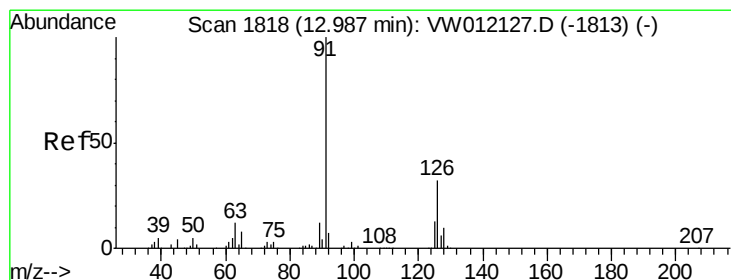
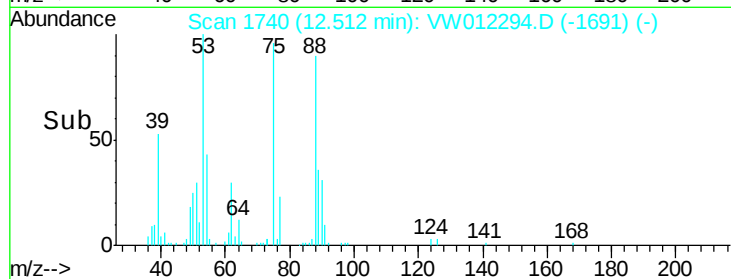
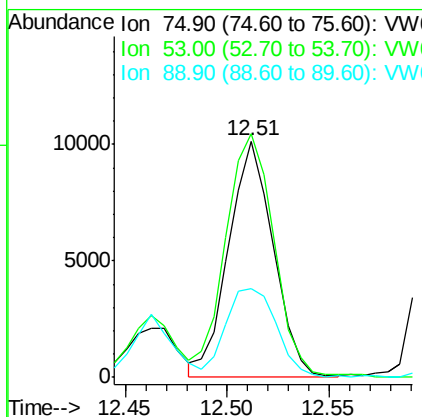
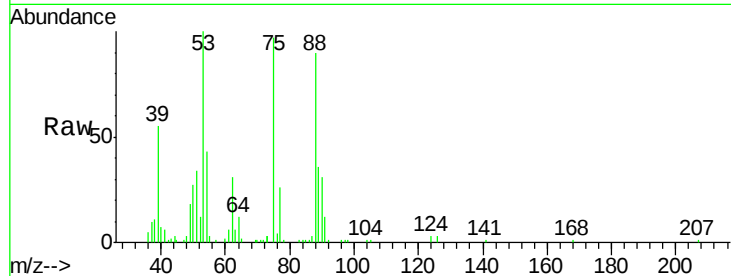
#81
trans-1,4-Dichloro-2-butene
Concen: 19.309 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampled :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	89.4	134.0
89	42.4	34.5	51.7

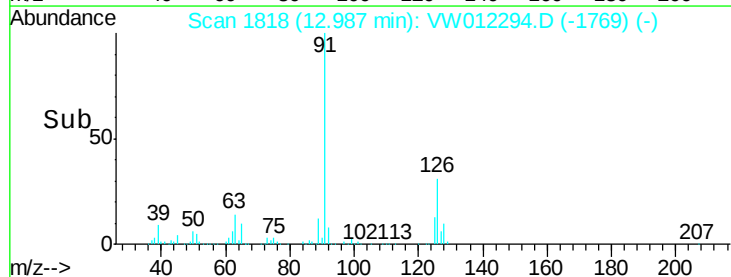
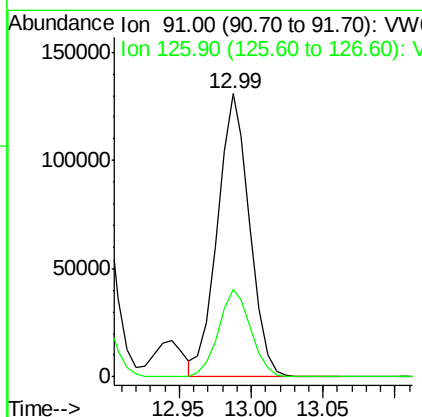
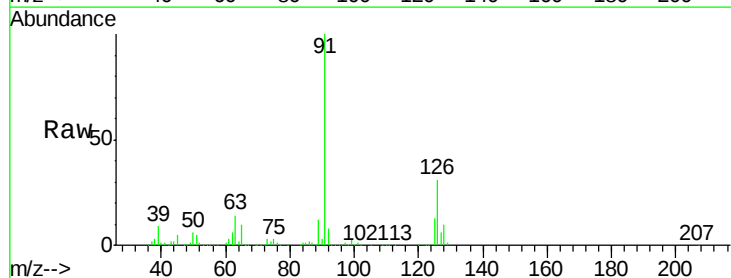
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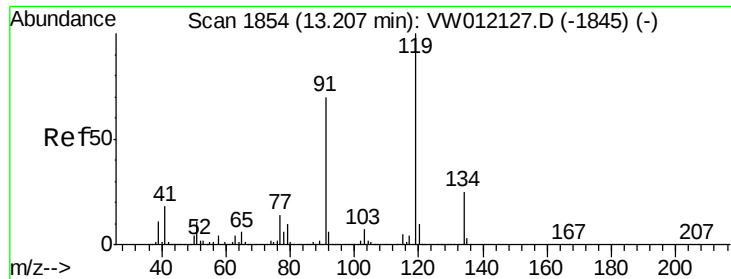
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#82
4-Chlorotoluene
Concen: 20.690 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





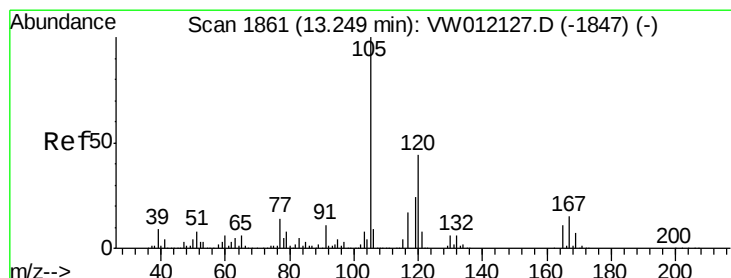
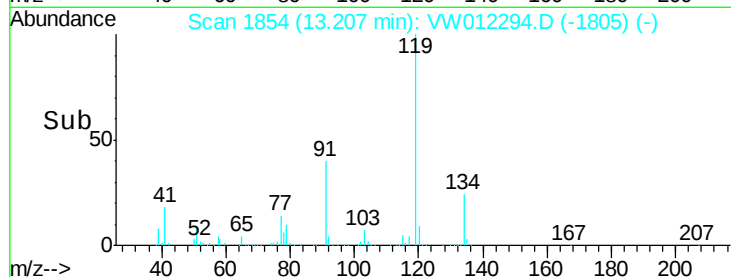
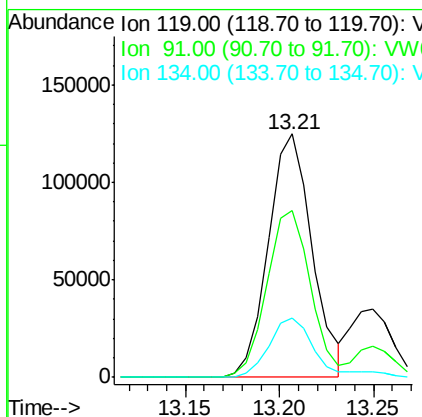
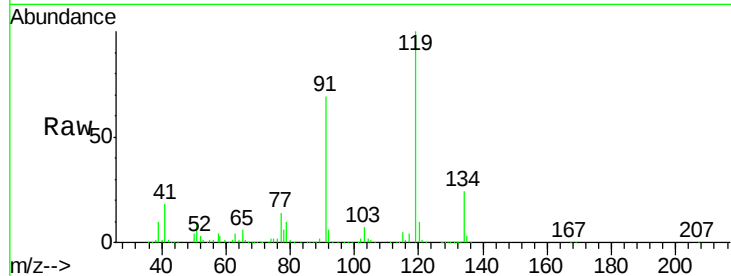
#83
tert-Butylbenzene
Concen: 21.091 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201513		
91	68.4		34.8	104.3
134	26.1		13.3	39.8

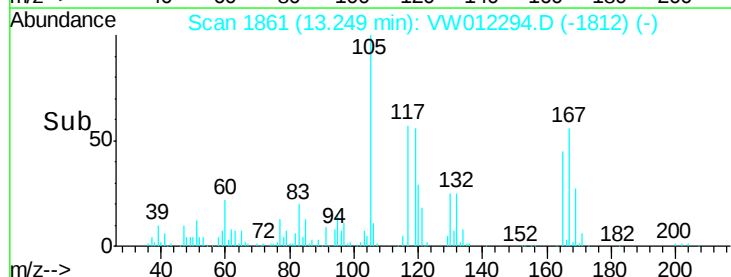
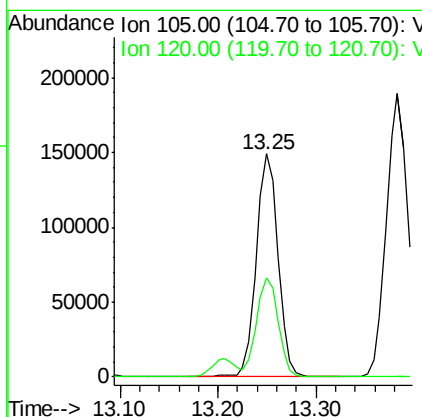
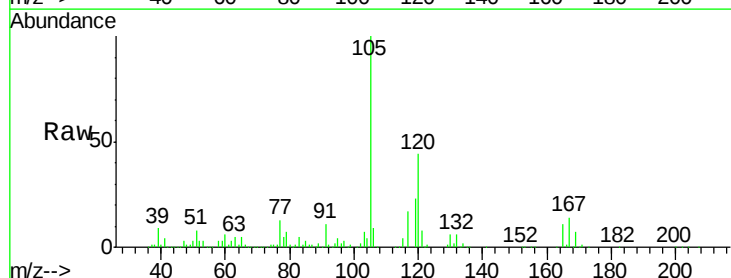
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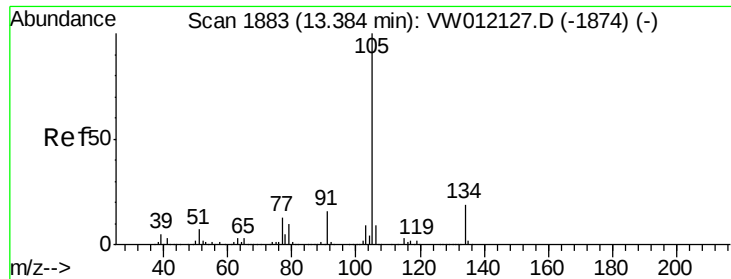
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#84
1,2,4-Trimethylbenzene
Concen: 20.408 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231226		
120	44.2		21.9	65.7





#85

sec-Butylbenzene

Concen: 21.054 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion:105 Resp: 288199

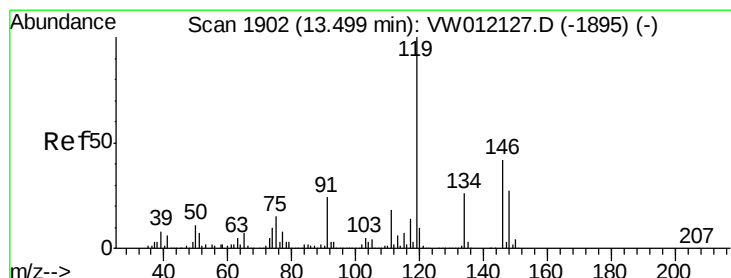
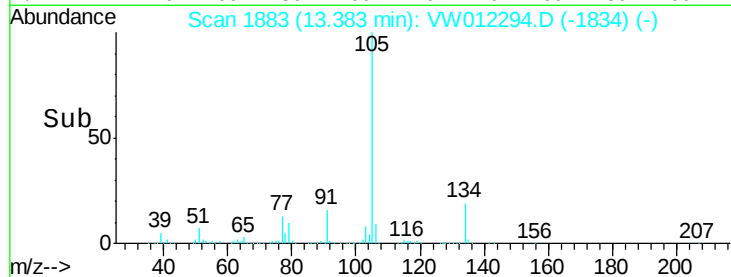
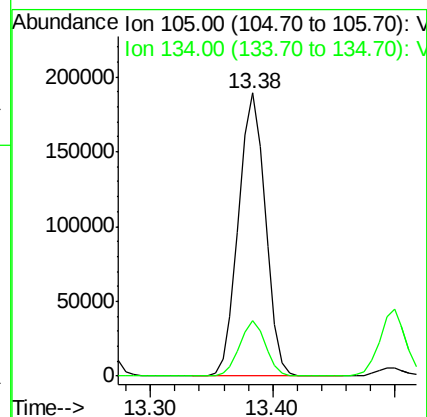
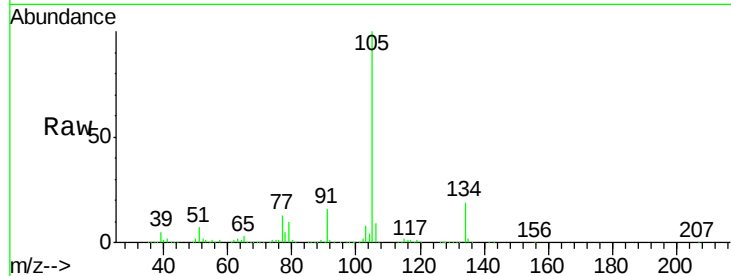
Ion Ratio Lower Upper

105 100

134 19.0 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 21.032 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012294.D

Acq: 29 Aug 2019 11:19

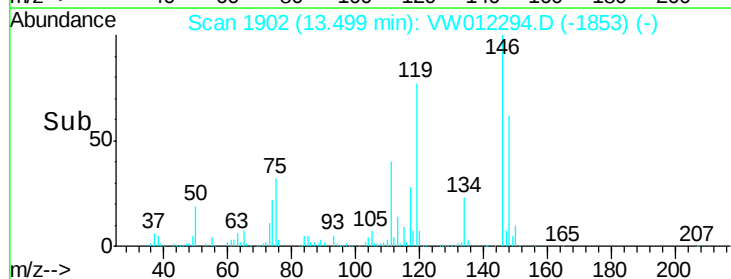
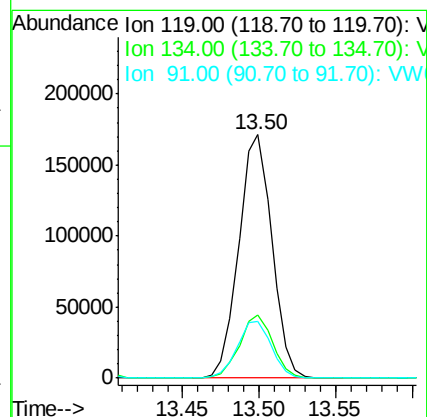
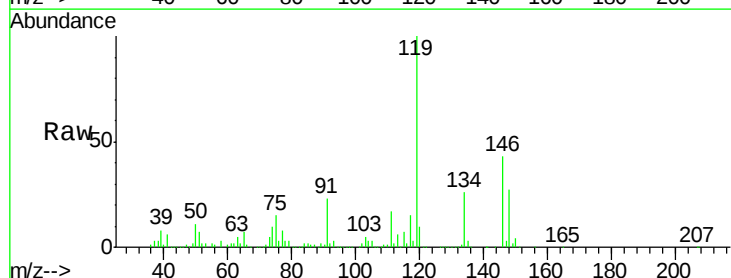
Tgt Ion:119 Resp: 257111

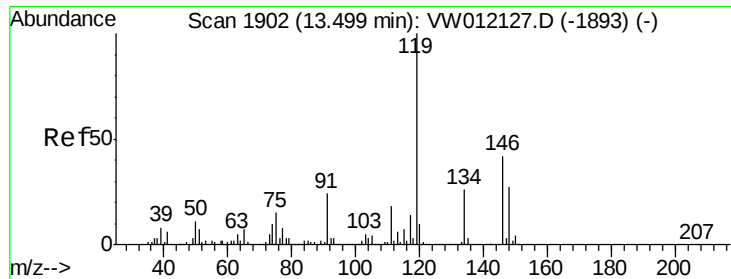
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 24.1 12.3 36.9





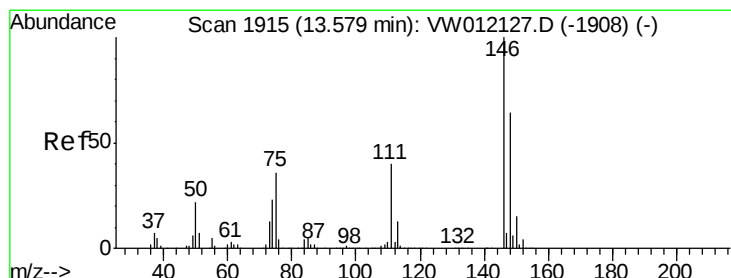
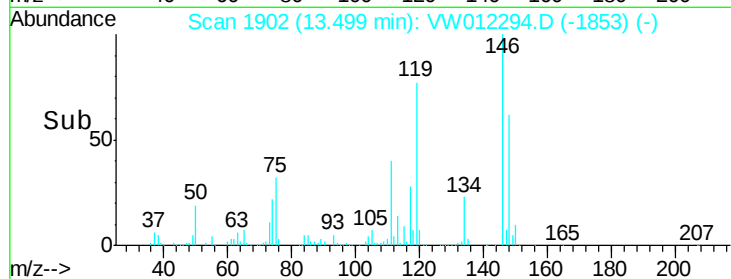
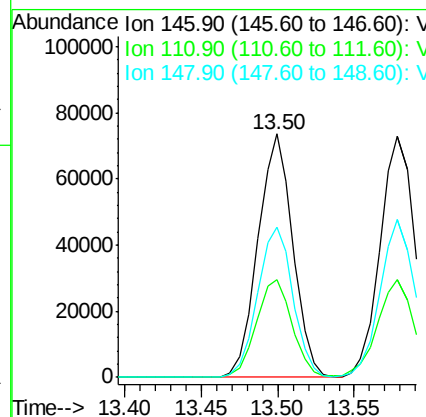
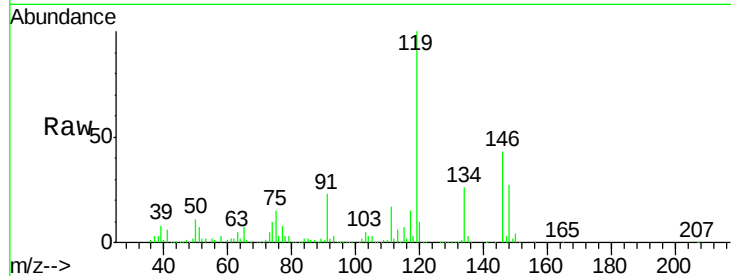
#87
 1,3-Dichlorobenzene
 Concen: 20.485 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.2	20.9	62.7	
148	62.5	32.2	96.6	

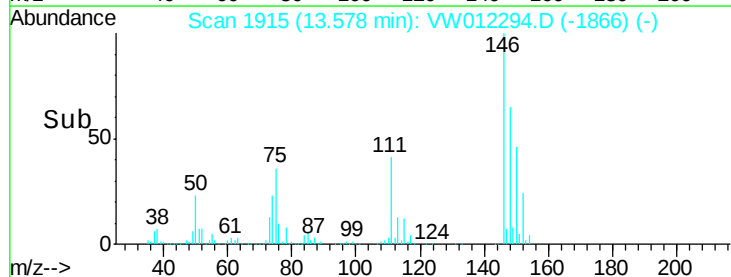
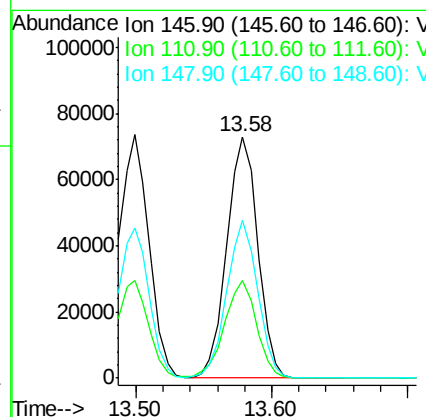
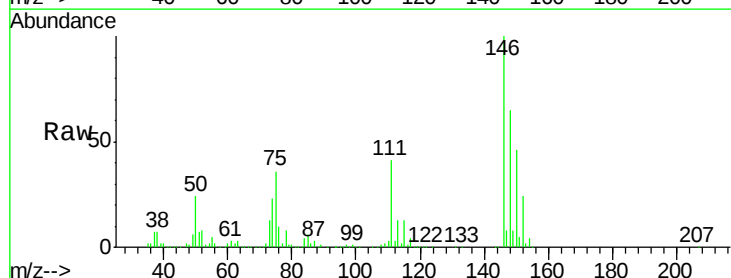
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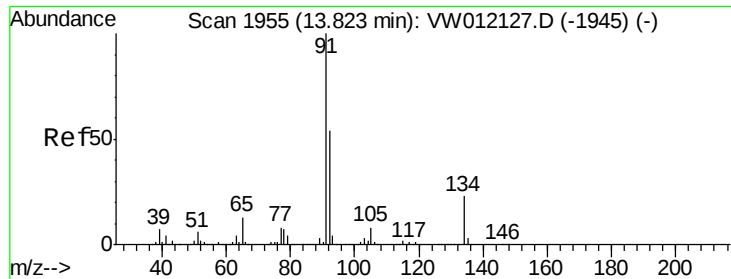
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#88
 1,4-Dichlorobenzene
 Concen: 20.344 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.1	20.0	60.0	
148	65.0	32.1	96.3	





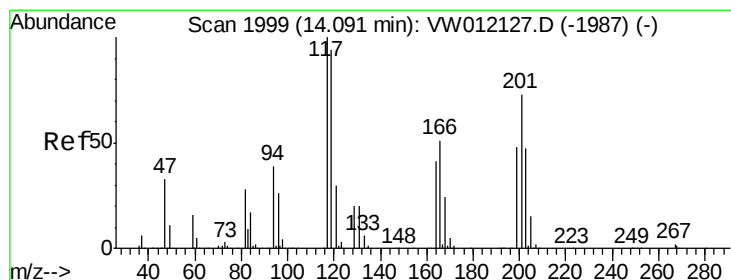
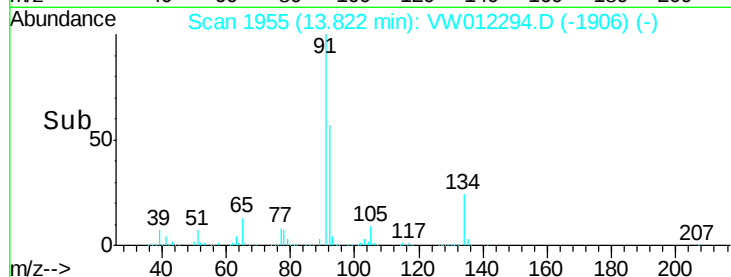
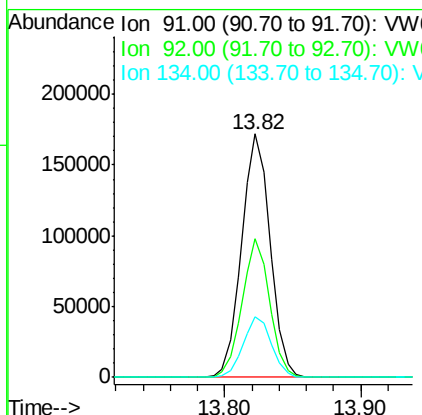
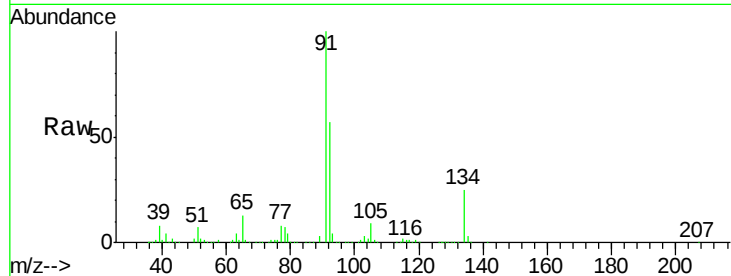
#89
n-Butylbenzene
Concen: 20.741 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	252139		
92	55.0		27.1	81.2
134	24.6		12.2	36.4

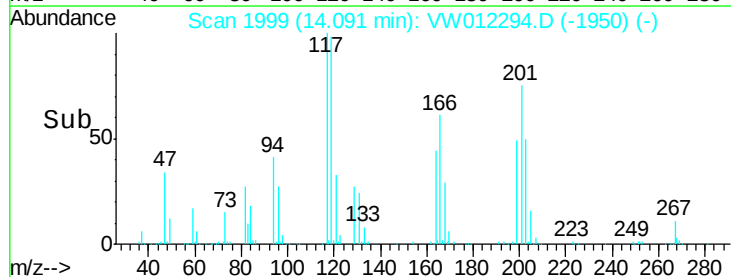
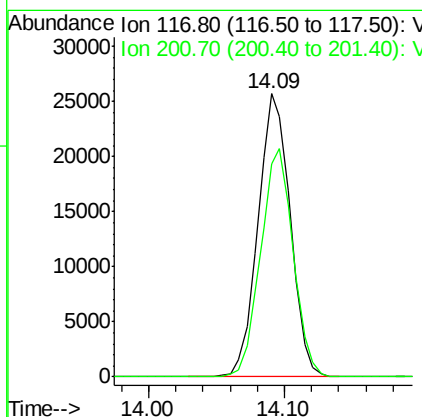
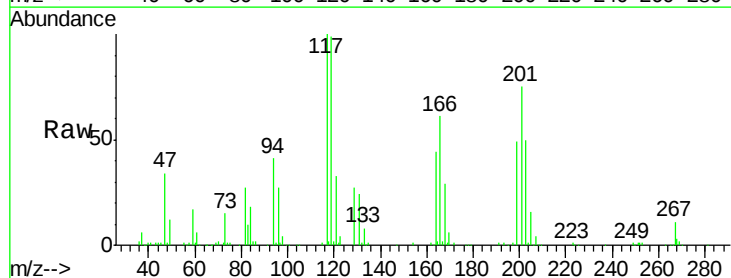
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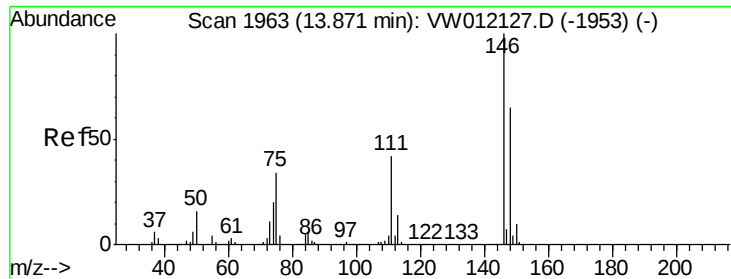
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#90
Hexachloroethane
Concen: 19.909 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42700		
201	81.3		38.6	115.7





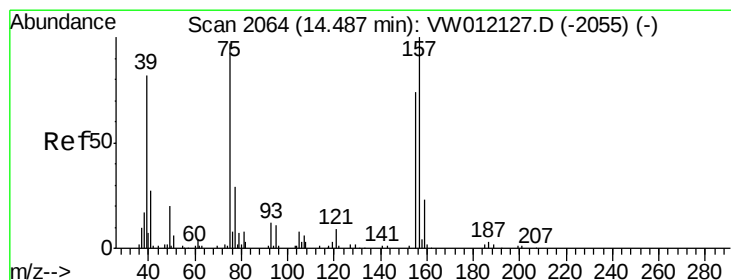
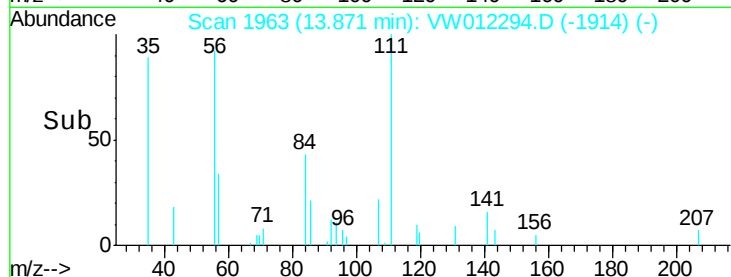
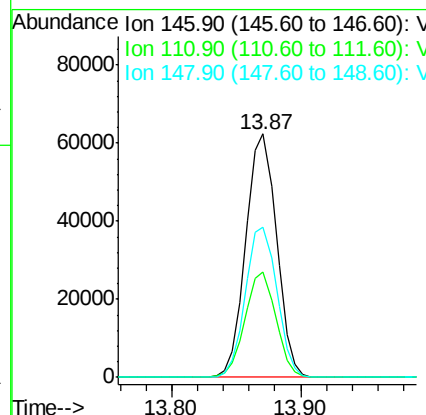
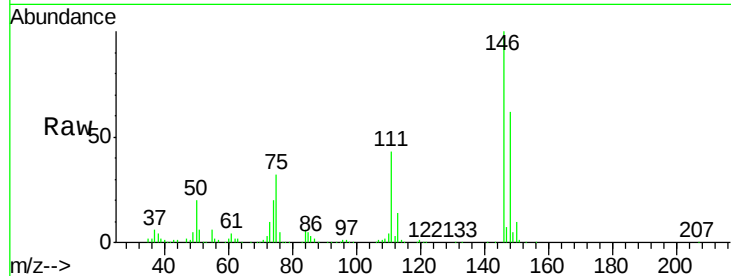
#91
 1,2-Dichlorobenzene
 Concen: 20.562 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.2	63.6
148	63.1	32.5	97.4

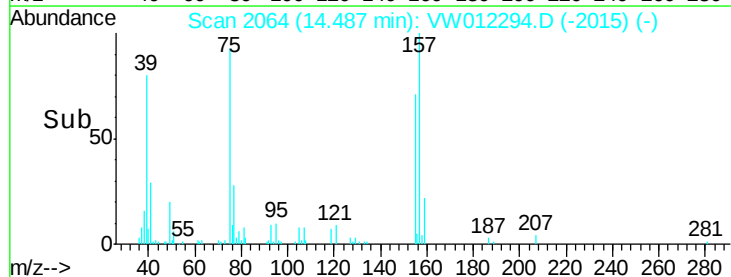
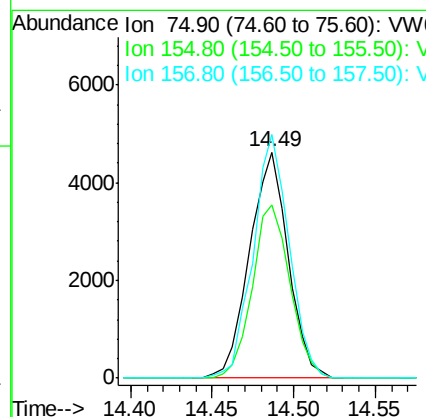
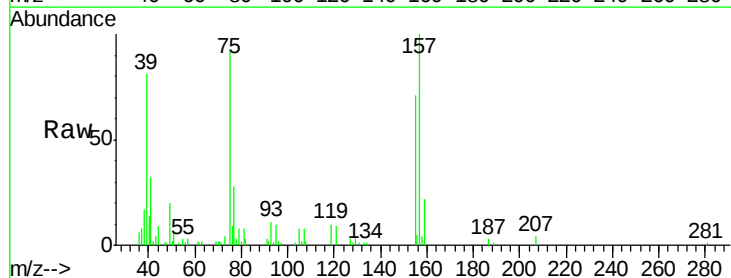
Manual Integrations
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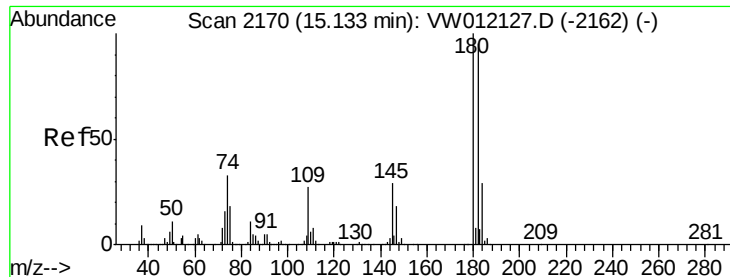
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 8/30/2019 11:41:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.270 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	37.5	112.3
157	101.0	50.5	151.5





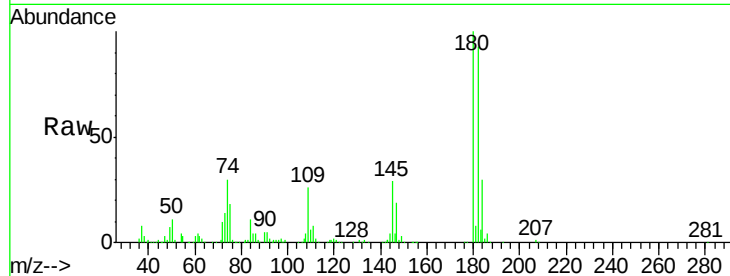
#93
 1,2,4-Trichlorobenzene
 Concen: 21.155 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

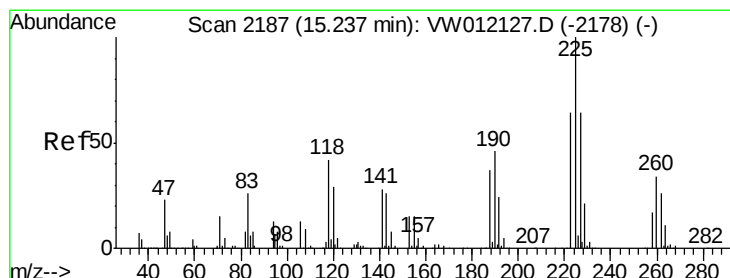
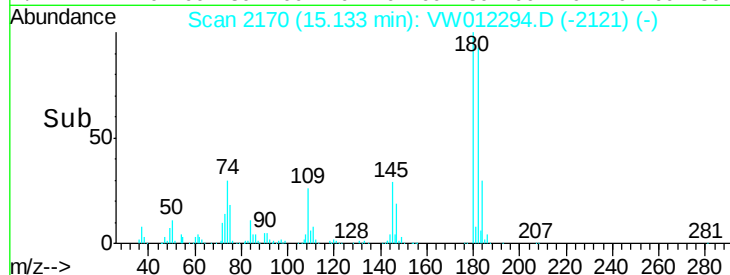
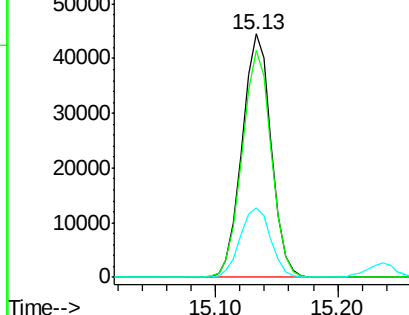
Tot Ion	Ratio	Resp	Lower	Upper
180	100	73255		
182	93.9	47.8	143.4	
145	30.1	15.0	45.1	

Manual Integrations
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MMDadoda
 8/30/2019 11:41:18 AM

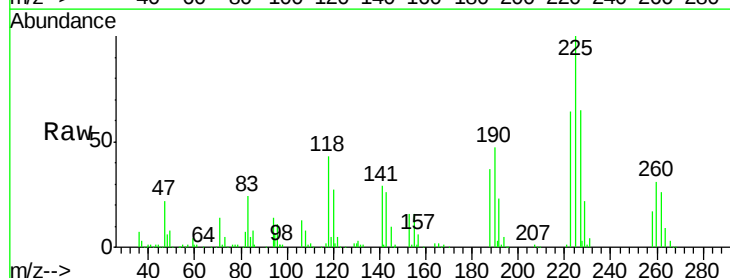


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

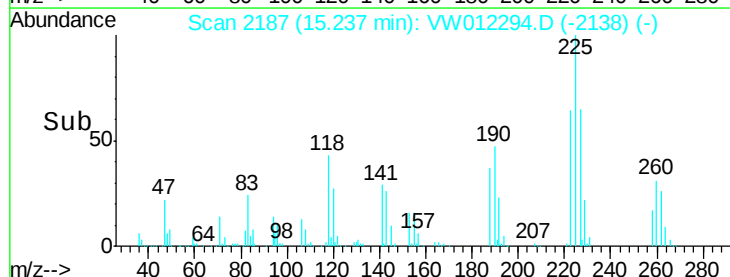
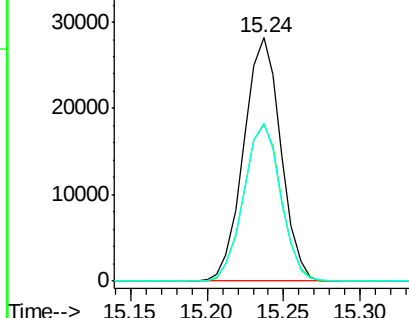


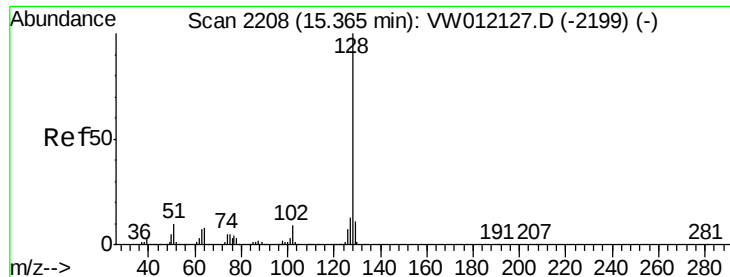
#94
 Hexachlorobutadiene
 Concen: 20.784 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012294.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47523		
223	64.9	32.3	96.8	
227	64.5	32.9	98.6	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





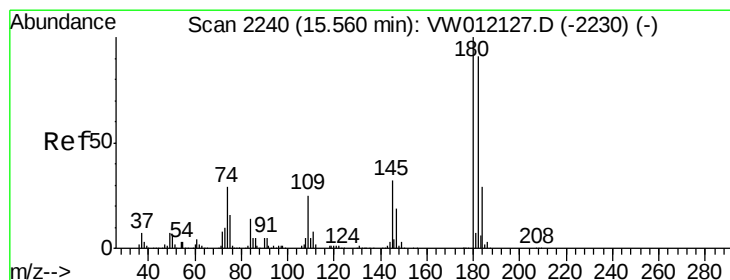
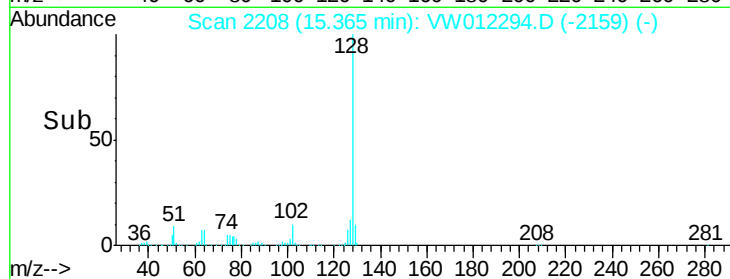
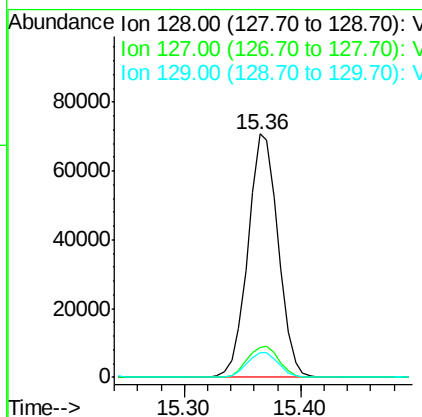
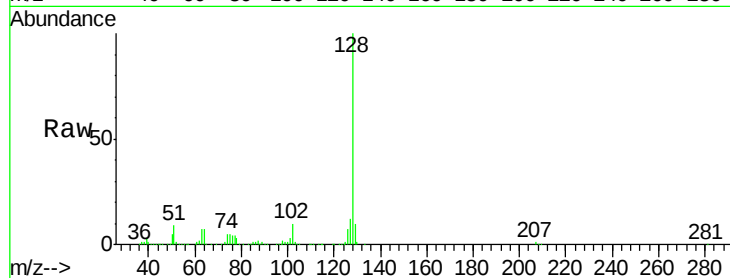
#95
Naphthalene
Concen: 21.505 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.191 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012294.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.1	141.3
145	31.7	16.2	48.5

