

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012660.D
 Acq On : 06 Sep 2019 00:29
 Operator : SY/VA
 Sample : VW0905SBS04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS04

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:29:49 PM

Quant Time: Sep 06 08:34:55 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	196266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131623	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	7.88	113	101096	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	10.32	98	368219	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.62	95	129725	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27642	22.873	ug/l	93
3) Chloromethane	2.21	50	35914	19.182	ug/l	97
4) Vinyl Chloride	2.35	62	38290	16.709	ug/l	98
5) Bromomethane	2.78	94	22762	19.613	ug/l	93
6) Chloroethane	2.92	64	23668	18.308	ug/l	93
7) Trichlorofluoromethane	3.25	101	22325	19.402	ug/l	99
8) Diethyl Ether	3.68	74	26034	23.836	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40400	20.655	ug/l	96
10) Methyl Iodide	4.27	142	57423	21.698	ug/l	97
11) Tert butyl alcohol	5.20	59	19352	137.829	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	39143	19.883	ug/l	96
13) Acrolein	3.89	56	7620	57.654	ug/l	90
14) Allyl chloride	4.66	41	85596	20.338	ug/l	98
15) Acrylonitrile	5.37	53	69015	127.482	ug/l	100
16) Acetone	4.14	43	60694	101.768	ug/l	99
17) Carbon Disulfide	4.38	76	86157	14.481	ug/l	100
18) Methyl Acetate	4.67	43	42411	28.711	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	87431	27.463	ug/l	99
20) Methylene Chloride	4.92	84	52821	23.428	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	43149	20.439	ug/l	97
22) Diisopropyl ether	6.31	45	191012	24.485	ug/l	98
23) Vinyl Acetate	6.25	43	555617	115.731	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97594	22.976	ug/l	97
25) 2-Butanone	7.18	43	91696	113.145	ug/l	98
26) 2,2-Dichloropropane	7.17	77	52325	21.764	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52541	23.295	ug/l	99
28) Bromochloromethane	7.51	49	41124	22.213	ug/l	91
29) Tetrahydrofuran	7.53	42	62091	127.700	ug/l	99
30) Chloroform	7.68	83	95314	24.527	ug/l	99
31) Cyclohexane	7.95	56	76578	18.222	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	72390	23.547	ug/l	98
36) 1,1-Dichloropropene	8.08	75	64840	19.722	ug/l	99
37) Ethyl Acetate	7.25	43	42112	23.375	ug/l	98
38) Carbon Tetrachloride	8.07	117	61549	21.630	ug/l	99

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 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	9.34	83	66867	18.105	ug/l	99
40) Benzene	8.32	78	196134	21.848	ug/l	99
41) Methacrylonitrile	7.48	41	24624	23.255	ug/l	94
42) 1,2-Dichloroethane	8.40	62	70627	25.103	ug/l	99
43) Isopropyl Acetate	8.42	43	81895	24.541	ug/l	99
44) Trichloroethene	9.09	130	47278	21.664	ug/l	95
45) 1,2-Dichloropropane	9.37	63	53553	22.166	ug/l	98
46) Dibromomethane	9.46	93	25090	23.341	ug/l	94
47) Bromodichloromethane	9.64	83	69030	24.129	ug/l	98
48) Methyl methacrylate	9.43	41	40220	25.323	ug/l	96
49) 1,4-Dioxane	9.46	88	8555	519.861	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	208484	122.830	ug/l	100
52) Toluene	10.38	92	116068	21.522	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	66703	22.889	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	77334	21.978	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	37495	24.653	ug/l	98
56) Ethyl methacrylate	10.65	69	53377	24.114	ug/l	98
57) 1,3-Dichloropropane	10.93	76	61788	21.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120751	106.290	ug/l	98
59) 2-Hexanone	10.97	43	119935	99.865	ug/l	100
60) Dibromochloromethane	11.13	129	38214	22.558	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31461	22.204	ug/l	99
64) Tetrachloroethene	10.86	164	36936	21.052	ug/l	98
65) Chlorobenzene	11.66	112	122596	23.006	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	44713	24.052	ug/l	98
67) Ethyl Benzene	11.73	91	219459	21.379	ug/l	99
68) m/p-Xylenes	11.84	106	160837	43.497	ug/l	99
69) o-Xylene	12.16	106	76957	22.487	ug/l	99
70) Styrene	12.18	104	130951	22.107	ug/l	97
71) Bromoform	12.35	173	24160	26.084	ug/l #	98
73) Isopropylbenzene	12.46	105	213416	22.311	ug/l	99
74) N-amyl acetate	12.27	43	68012	23.534	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	43175	24.621	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36750m	29.559	ug/l	
77) Bromobenzene	12.74	156	51710	24.989	ug/l	94
78) n-propylbenzene	12.80	91	254947	21.833	ug/l	99
79) 2-Chlorotoluene	12.89	91	153098	23.093	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	181683	22.731	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12428	21.917	ug/l	91
82) 4-Chlorotoluene	12.99	91	162913	23.468	ug/l	99
83) tert-Butylbenzene	13.21	119	148312	21.906	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	170267	21.207	ug/l	100
85) sec-Butylbenzene	13.38	105	199405	20.557	ug/l	99
86) p-Isopropyltoluene	13.50	119	185322	21.393	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	90814	22.437	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	89641	22.305	ug/l	99
89) n-Butylbenzene	13.82	91	172068	19.974	ug/l	99
90) Hexachloroethane	14.09	117	33757	22.211	ug/l	90
91) 1,2-Dichlorobenzene	13.87	146	85563	24.097	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7460	25.234	ug/l	94

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ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

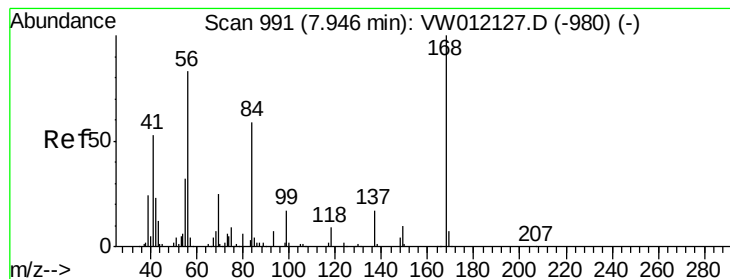
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60216	24.540	ug/l	99
94) Hexachlorobutadiene	15.24	225	39305	24.259	ug/l	98
95) Naphthalene	15.36	128	112280	25.624	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	54358	25.390	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD04

Tot Ion:168 Resp: 196266

Ion Ratio Lower Upper

168 100

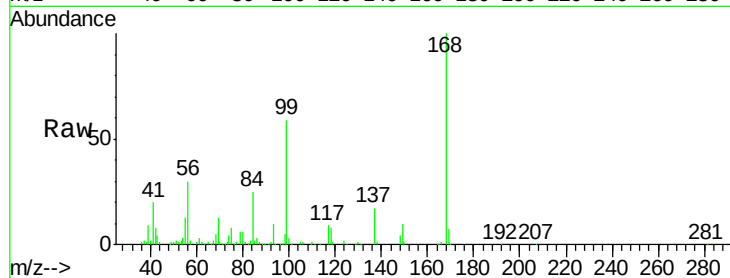
99 58.8 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

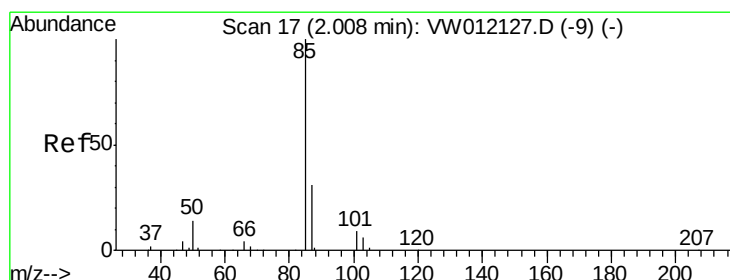
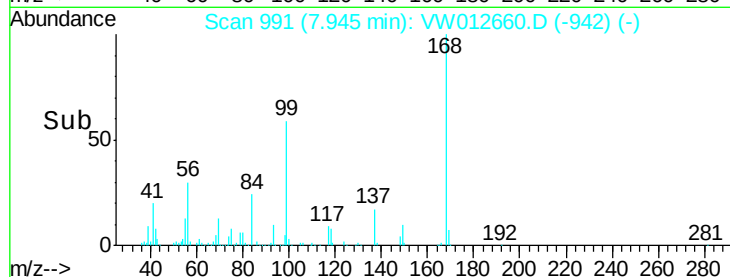
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 22.873 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012660.D

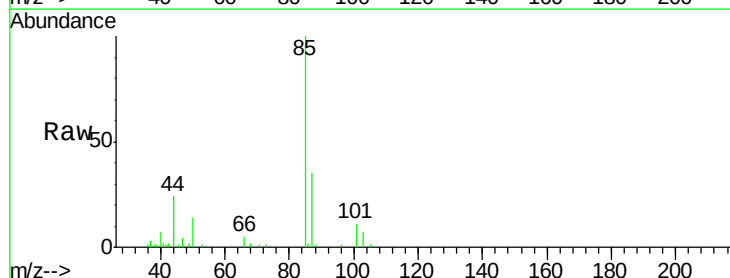
Acq: 06 Sep 2019 00:29

Tgt Ion: 85 Resp: 27642

Ion Ratio Lower Upper

85 100

87 35.1 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

10000

8000

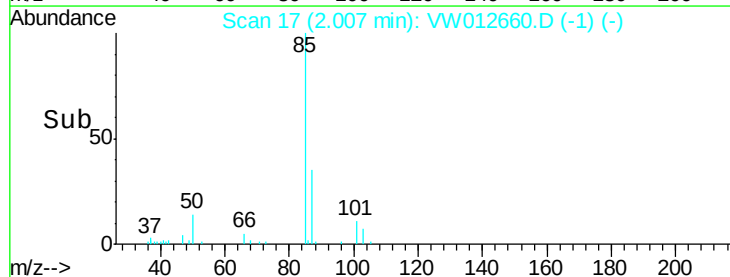
6000

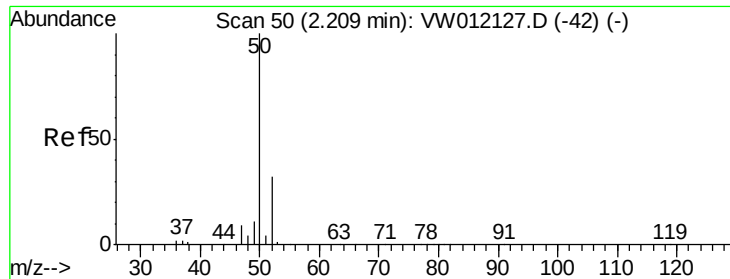
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.182 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD04

Tot Ion: 50 Resp: 35914

Ion Ratio Lower Upper

50 100

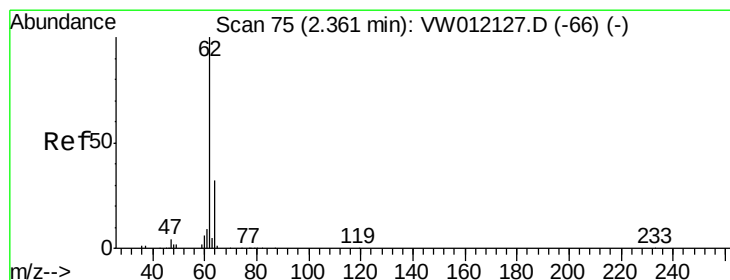
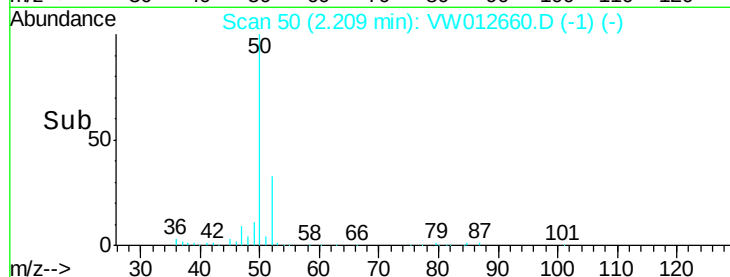
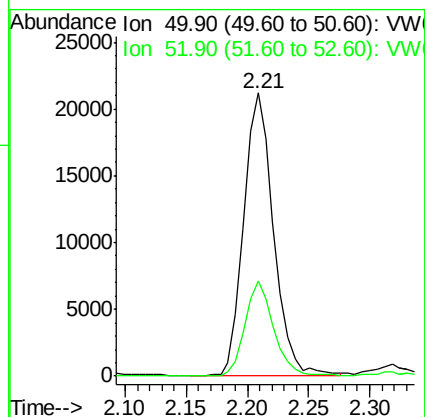
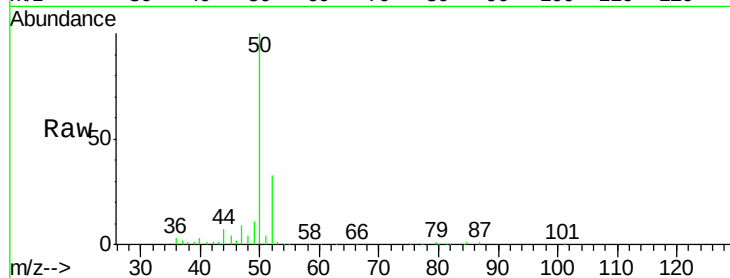
52 33.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.709 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012660.D

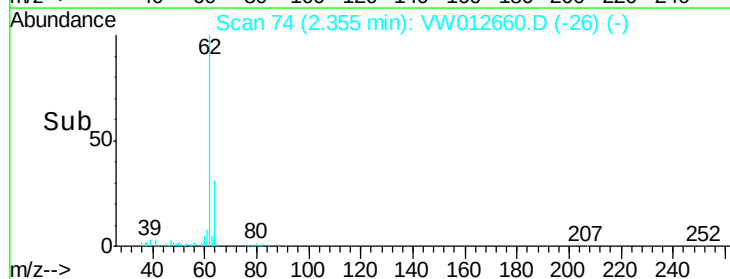
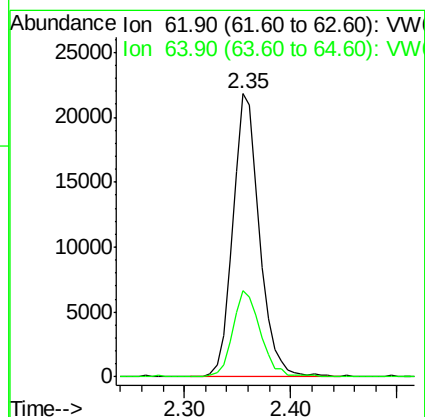
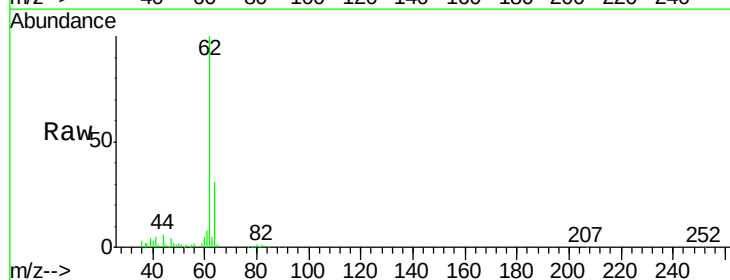
Acq: 06 Sep 2019 00:29

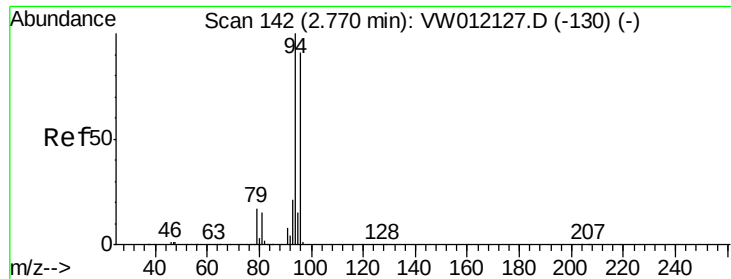
Tgt Ion: 62 Resp: 38290

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9





#5

Bromomethane

Concen: 19.613 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS04

Tot Ion: 94 Resp: 22762

Ion Ratio Lower Upper

94 100

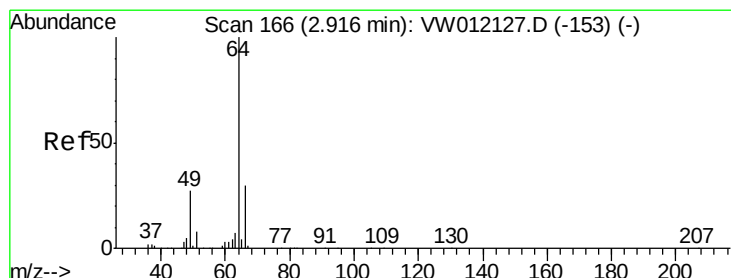
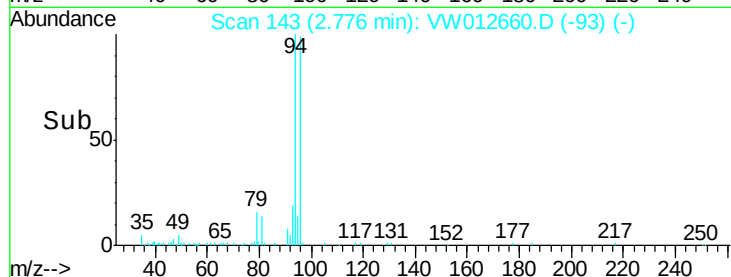
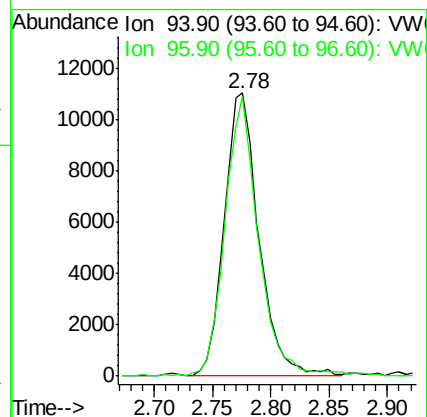
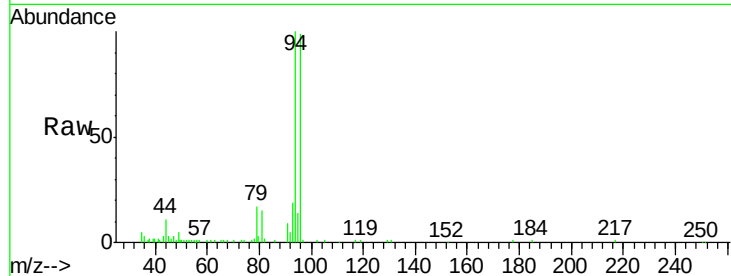
96 97.5 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 18.308 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012660.D

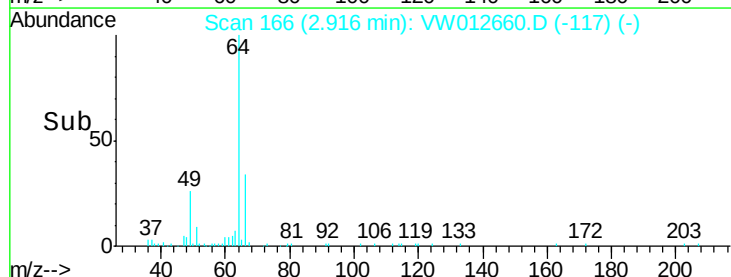
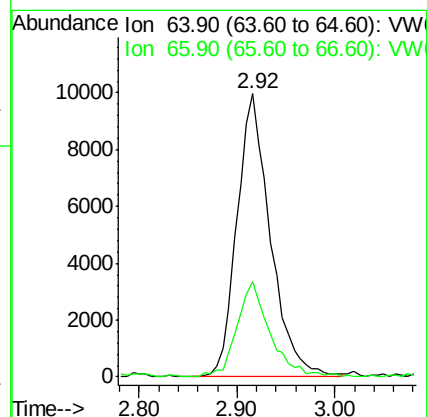
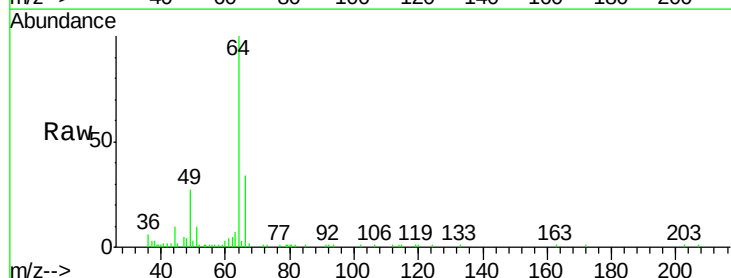
Acq: 06 Sep 2019 00:29

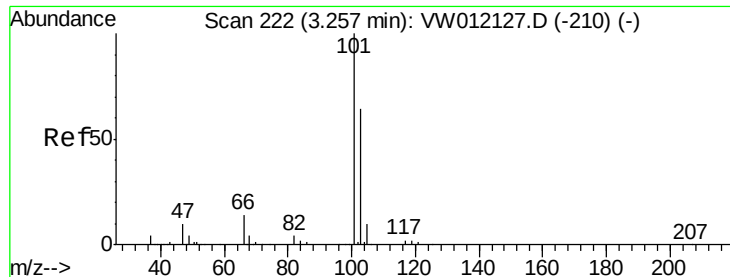
Tgt Ion: 64 Resp: 23668

Ion Ratio Lower Upper

64 100

66 33.7 23.8 35.8





#7

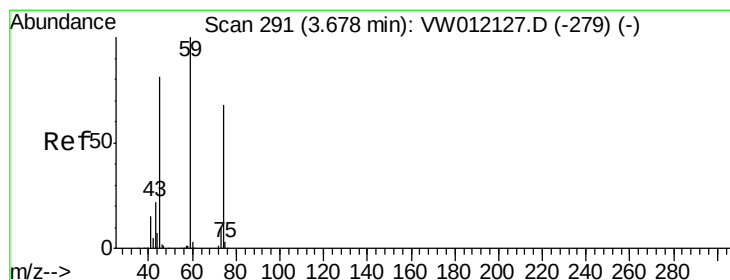
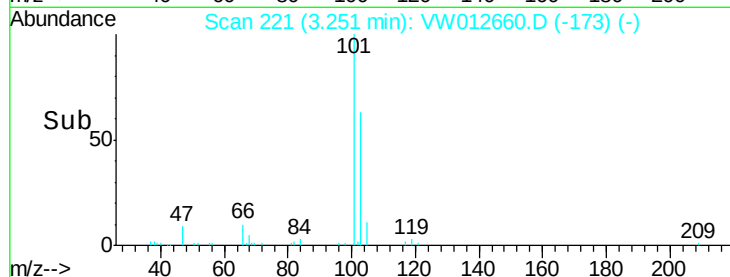
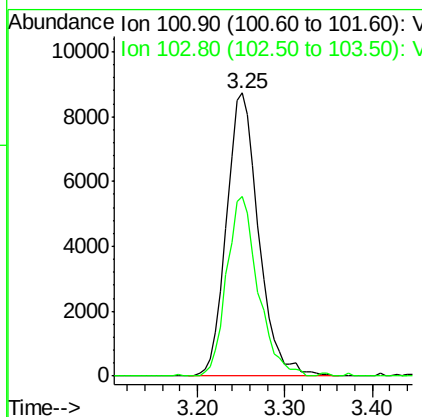
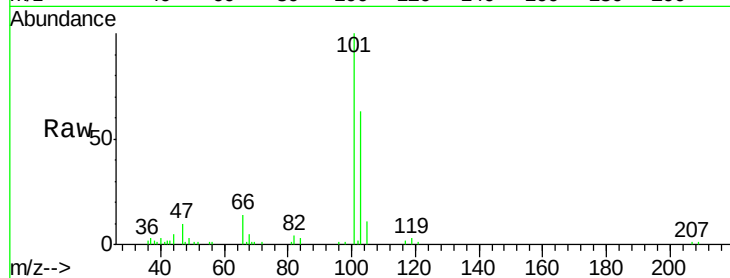
Trichlorofluoromethane
 Concen: 19.402 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
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 ClientSampleId :
 VW0905SBSD04

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.2	76.8

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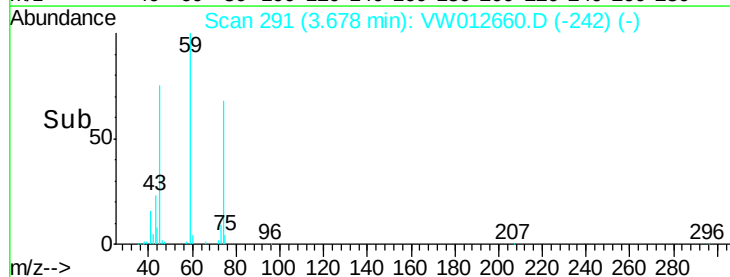
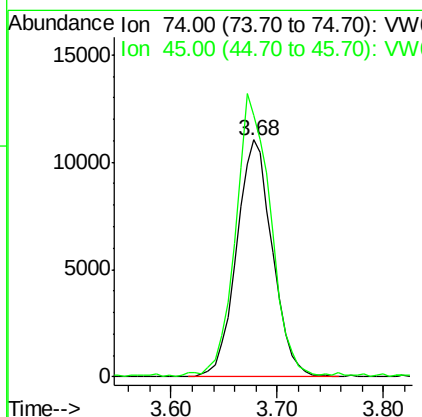
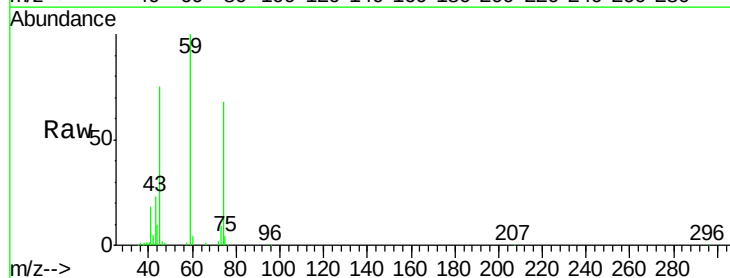
MMDadoda
 9/6/2019 12:29:49 PM

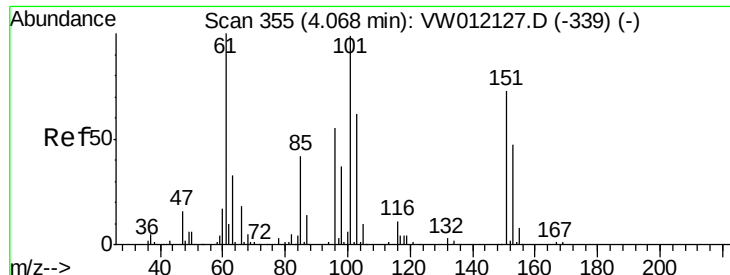


#8

Diethyl Ether
 Concen: 23.836 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.5	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.655 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

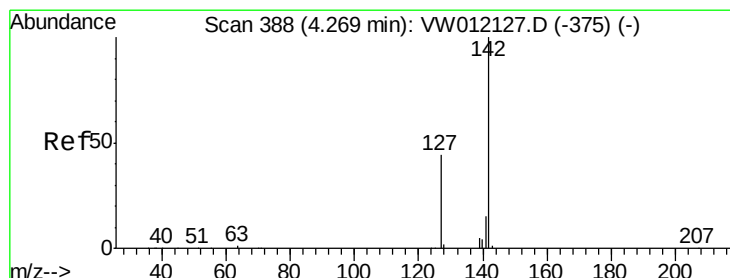
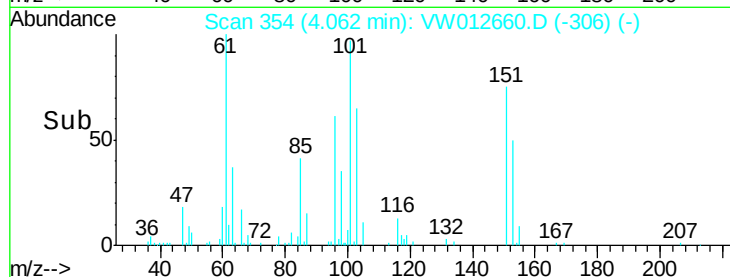
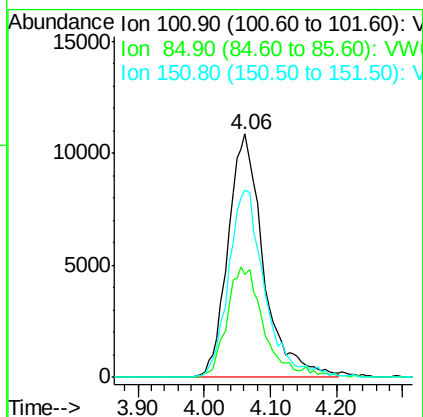
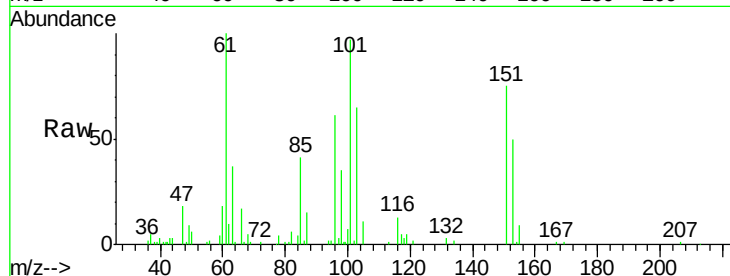
ClientSampleId :

VW0905SBS04

Tot Ion:	101	Resp:	40400
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.8	53.6
151	78.7	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.698 ug/l

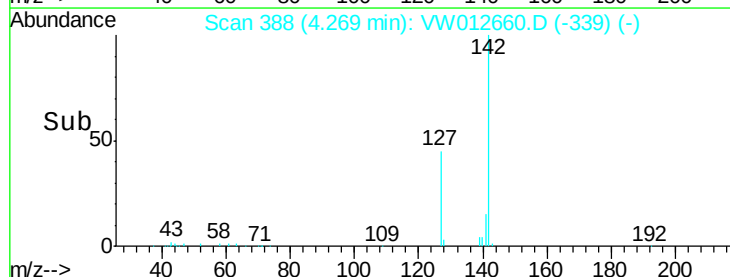
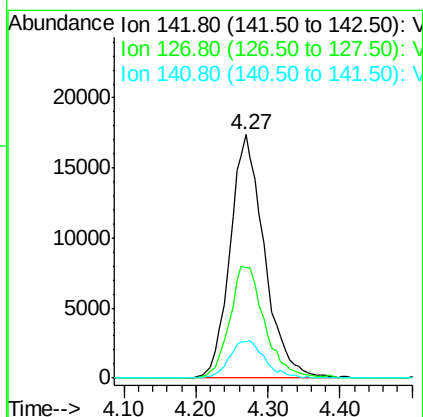
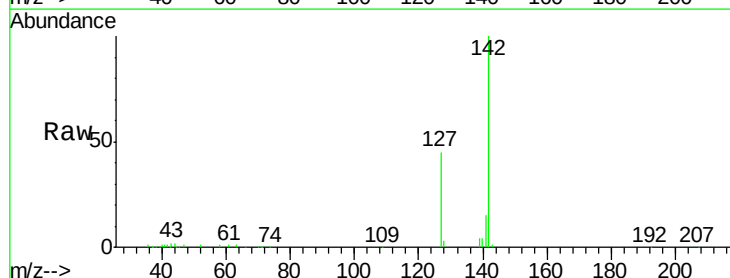
RT: 4.27 min Scan# 388

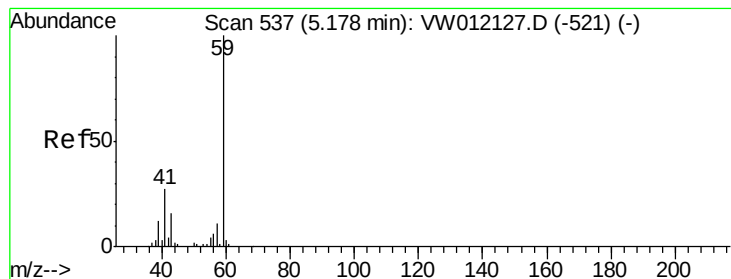
Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Tgt Ion:	142	Resp:	57423
Ion Ratio	Lower	Upper	
142	100		
127	46.5	35.5	53.3
141	15.9	11.8	17.8





#11

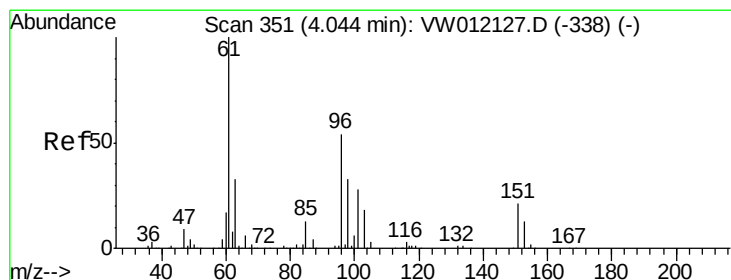
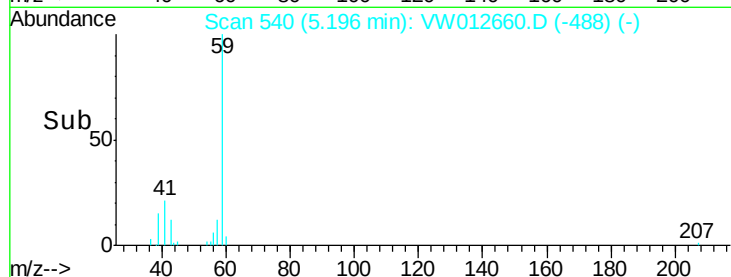
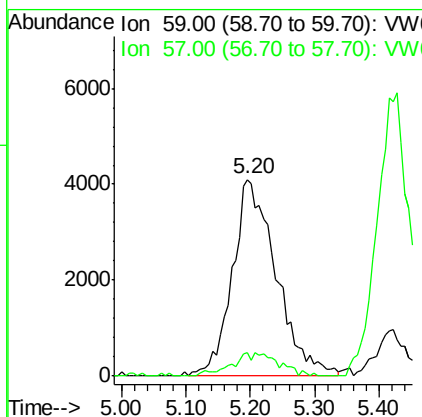
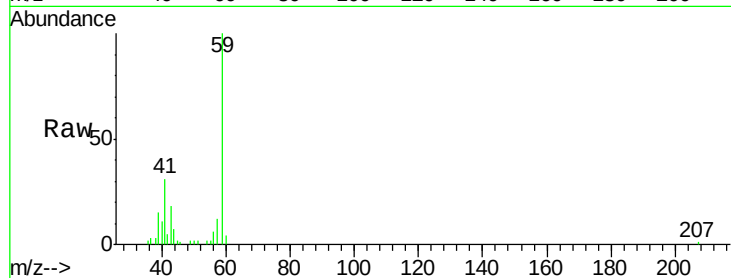
Tert butyl alcohol
Concen: 137.829 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
59	100	19352		
57	5.7	9.0	13.4#	

Manual Integrations
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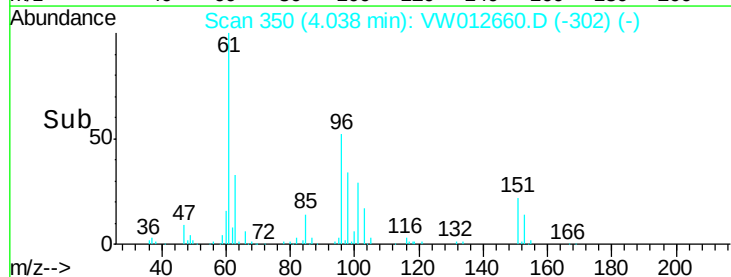
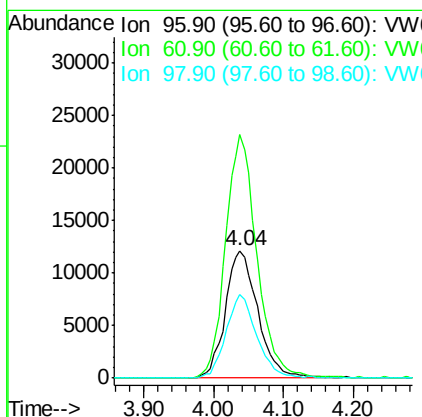
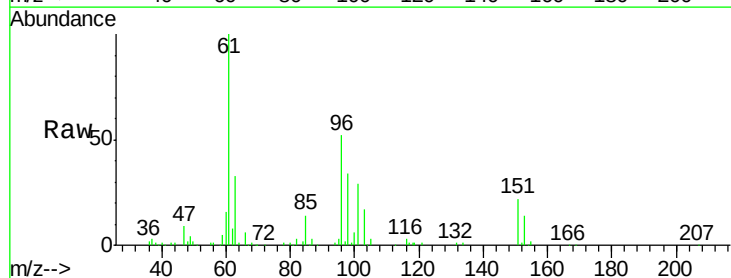
MMDadoda
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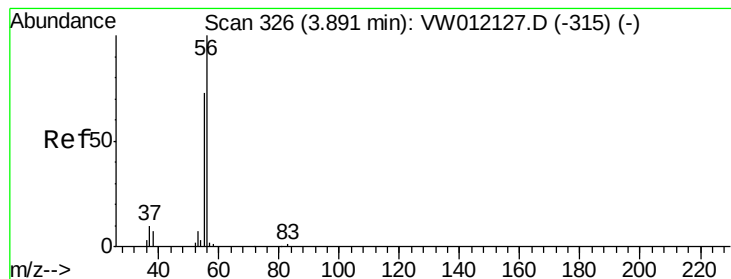


#12

1,1-Dichloroethene
Concen: 19.883 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	39143		
61	191.1	149.1	223.7	
98	65.7	49.4	74.2	





#13

Acrolein

Concen: 57.654 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS04

Tot Ion: 56 Resp: 7620

Ion Ratio Lower Upper

56 100

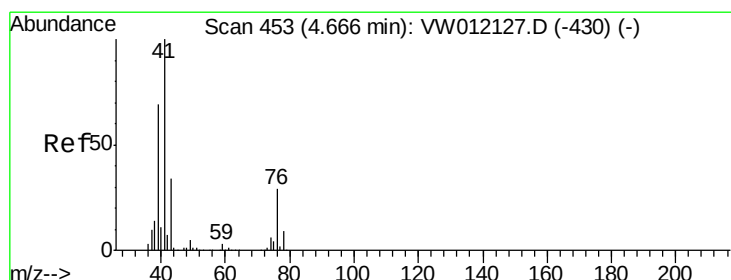
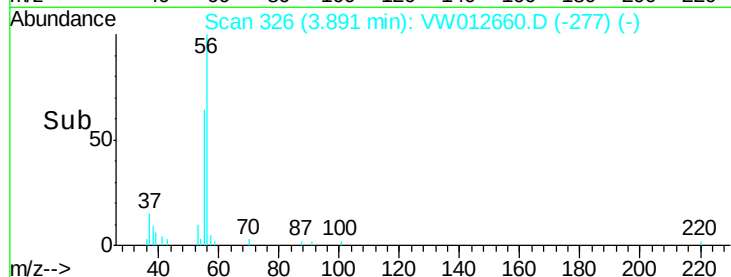
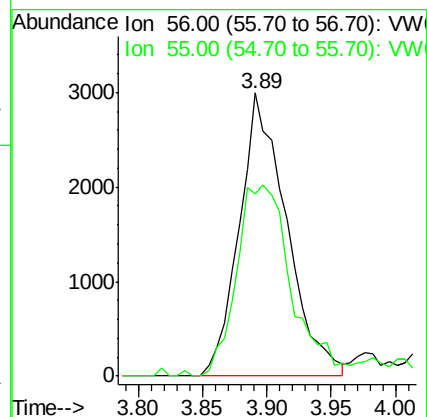
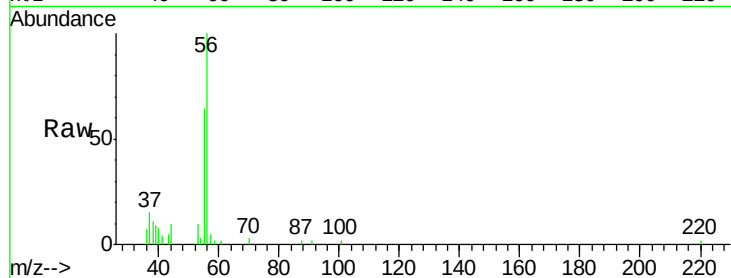
55 78.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.338 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

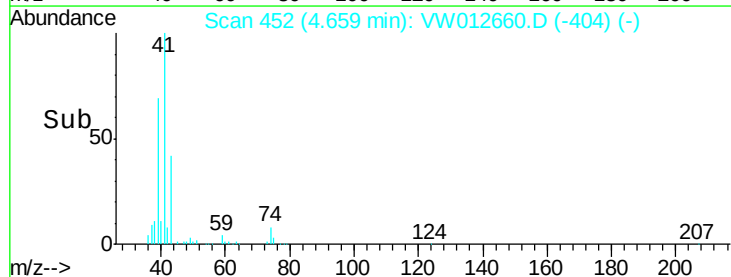
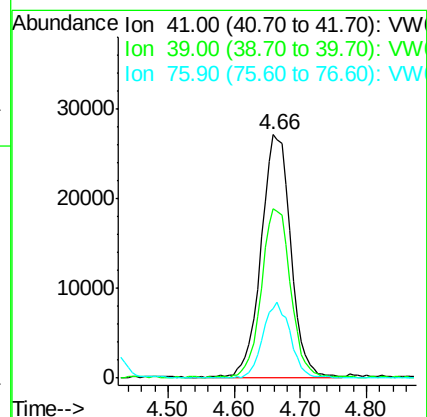
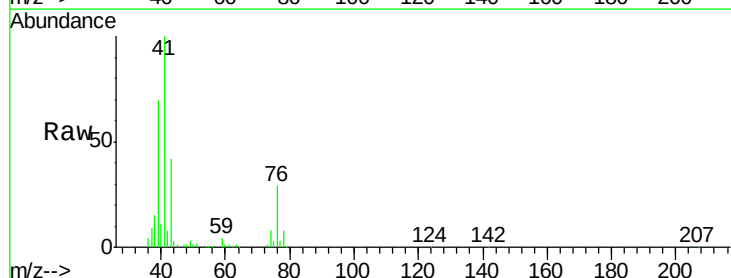
Tgt Ion: 41 Resp: 85596

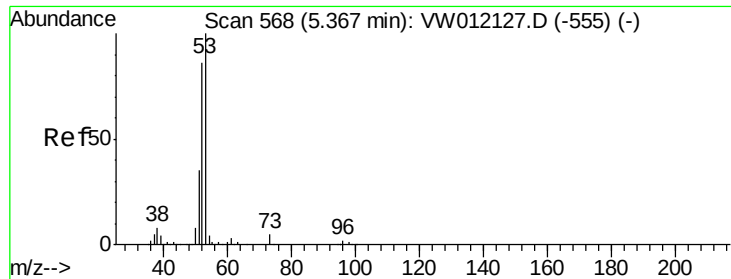
Ion Ratio Lower Upper

41 100

39 69.0 53.4 80.2

76 28.6 22.1 33.1





#15

Acrylonitrile

Concen: 127.482 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

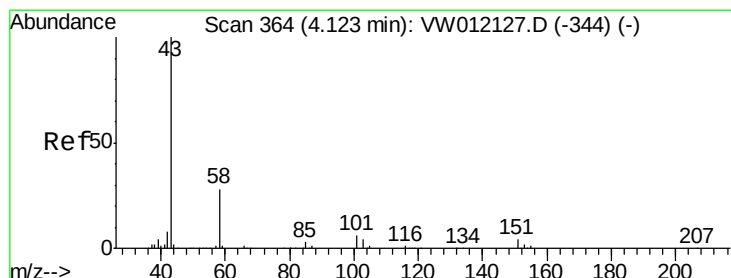
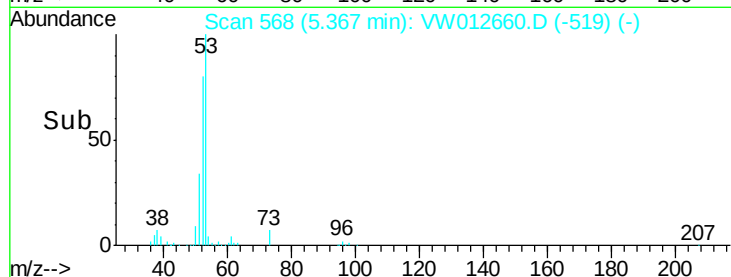
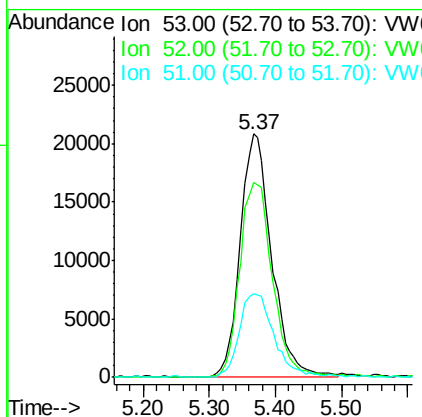
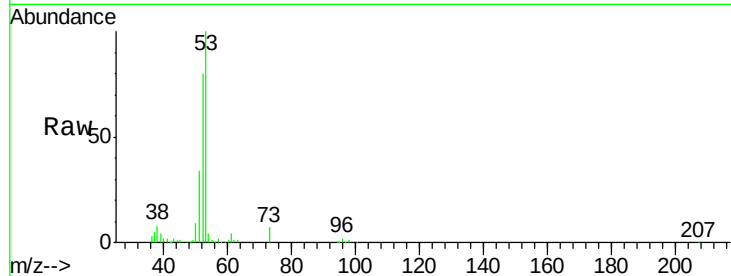
ClientSampleId :

VW0905SBS04

Tot Ion:	53	Resp:	69015
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.7	100.1
51	37.9	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 101.768 ug/l

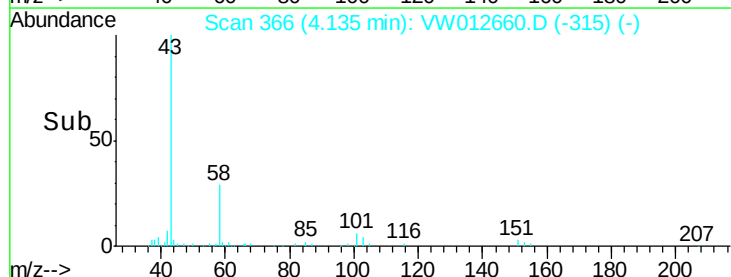
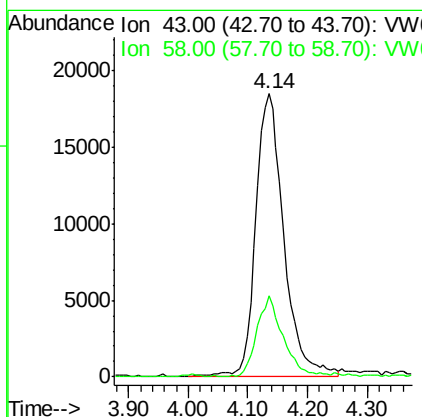
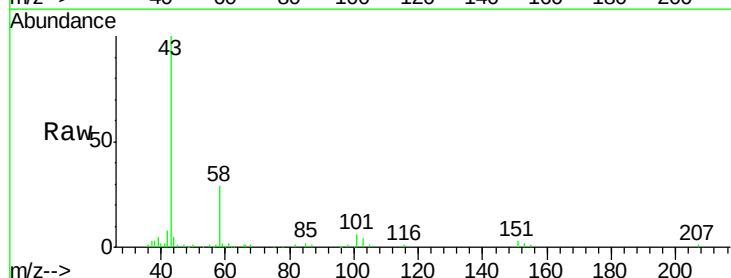
RT: 4.14 min Scan# 366

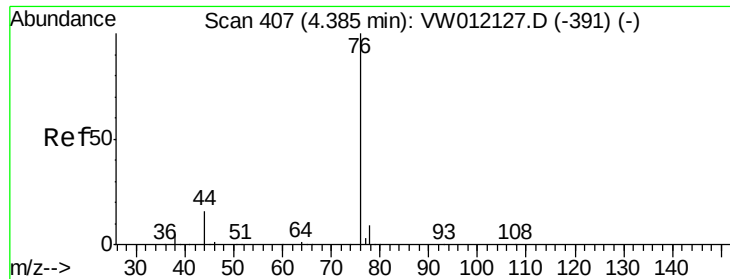
Delta R.T. 0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Tgt Ion:	43	Resp:	60694
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.4	33.6





#17

Carbon Disulfide

Concen: 14.481 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD04

Tot Ion: 76 Resp: 86157

Ion Ratio Lower Upper

76 100

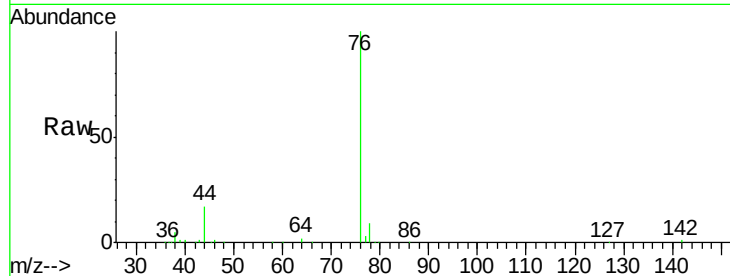
78 9.0 7.3 10.9

Manual Integrations

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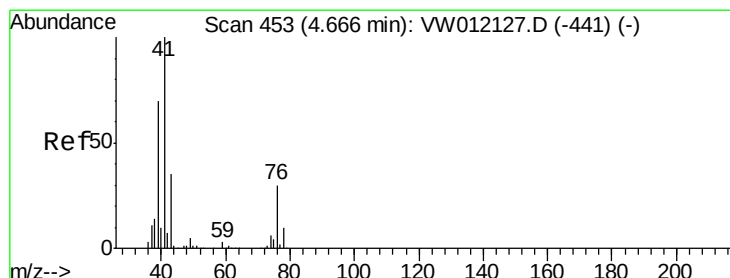
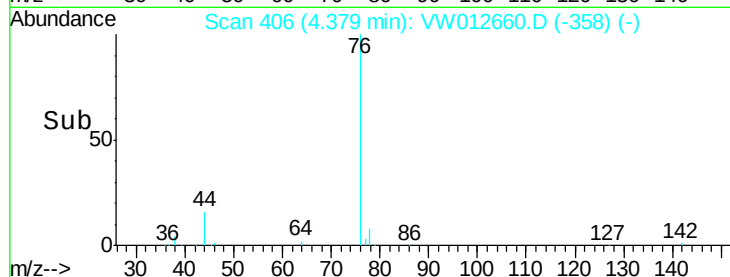
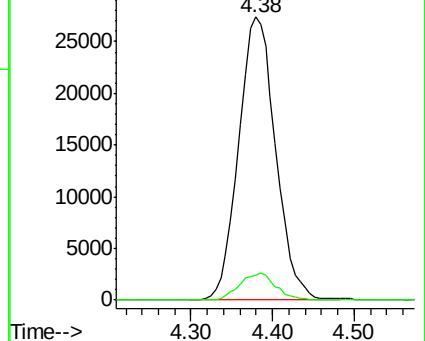
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 28.711 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012660.D

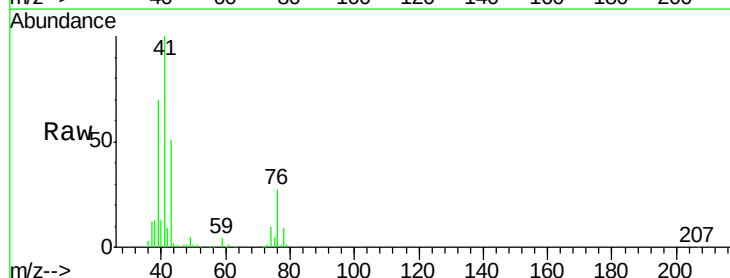
Acq: 06 Sep 2019 00:29

Tgt Ion: 43 Resp: 42411

Ion Ratio Lower Upper

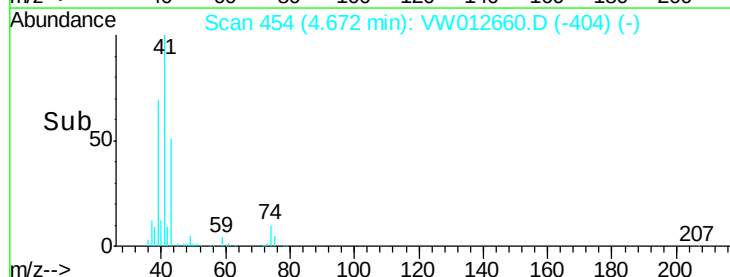
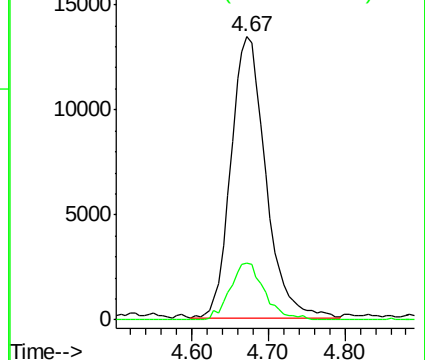
43 100

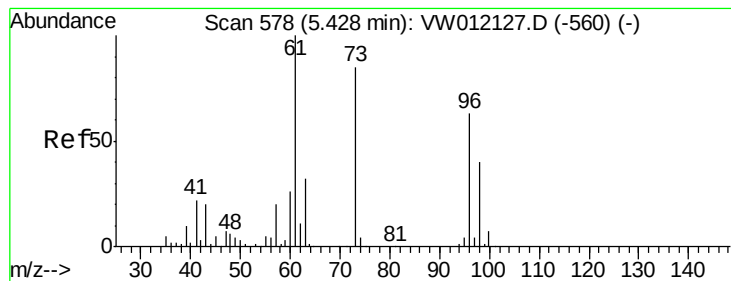
74 20.0 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

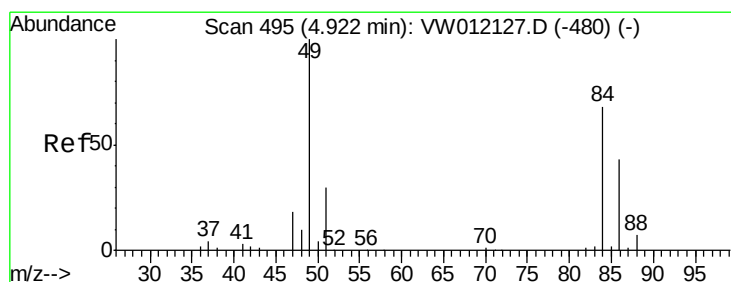
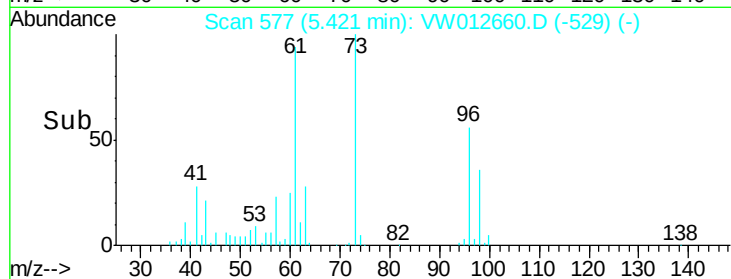
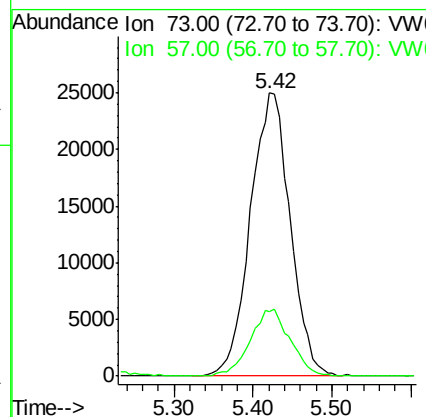
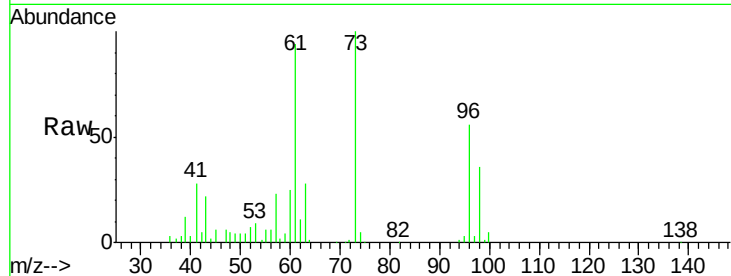
Methvl tert-butyl Ether
 Concen: 27.463 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD04

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.9	28.3

Manual Integrations
 APPROVED

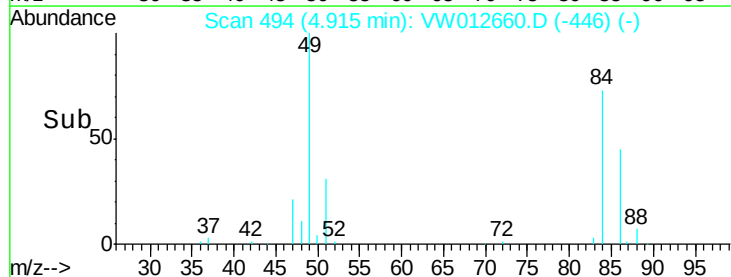
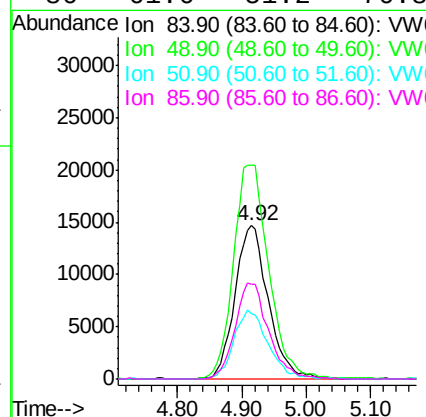
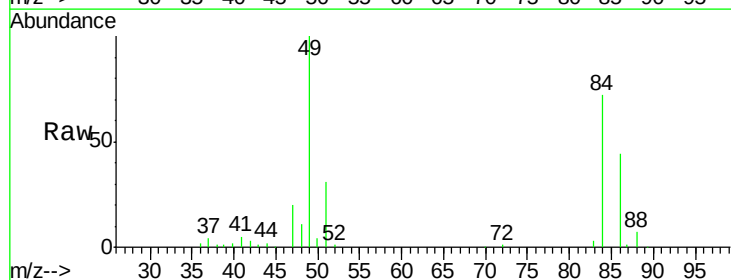
MMDadoda
 9/6/2019 12:29:49 PM

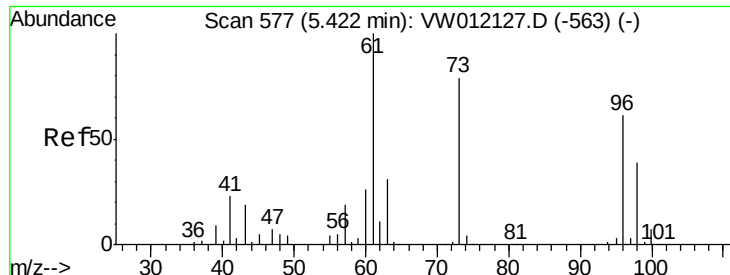


#20

Methylene Chloride
 Concen: 23.428 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.4	117.8	176.8
51	42.7	35.6	53.4
86	61.6	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 20.439 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

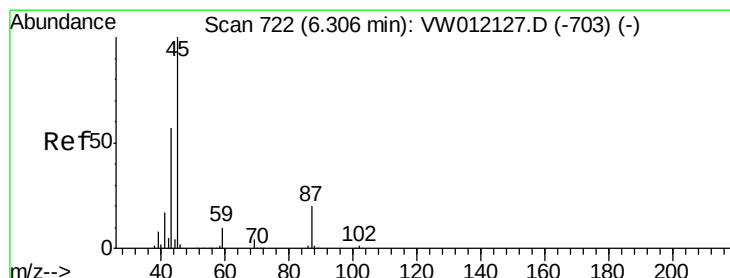
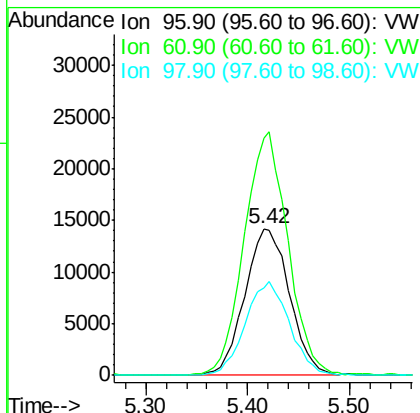
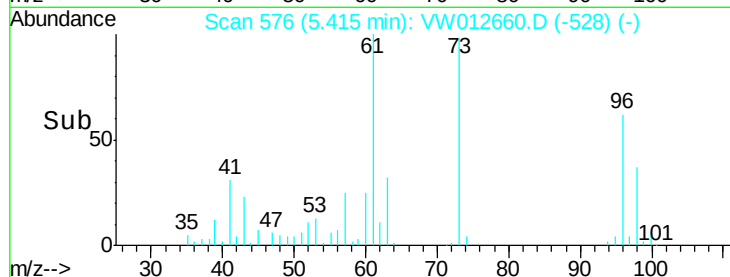
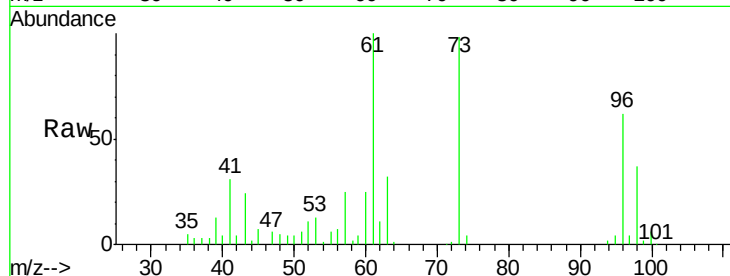
ClientSampleId :

VW0905SBS04

Tot Ion:	96	Resp:	43149
Ion	Ratio	Lower	Upper
96	100		
61	161.4	131.4	197.0
98	59.7	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 24.485 ug/l

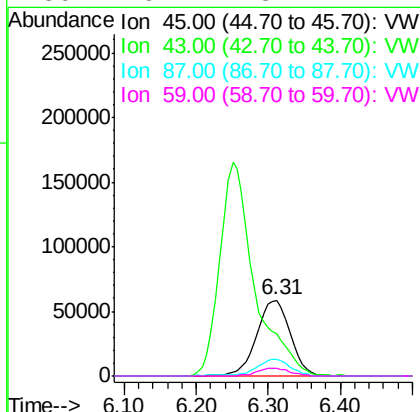
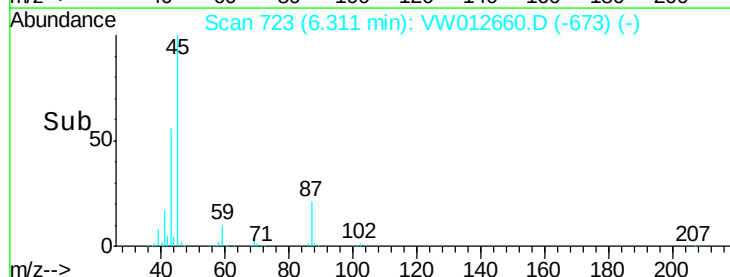
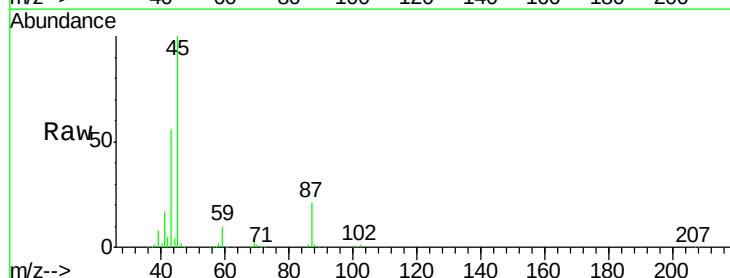
RT: 6.31 min Scan# 723

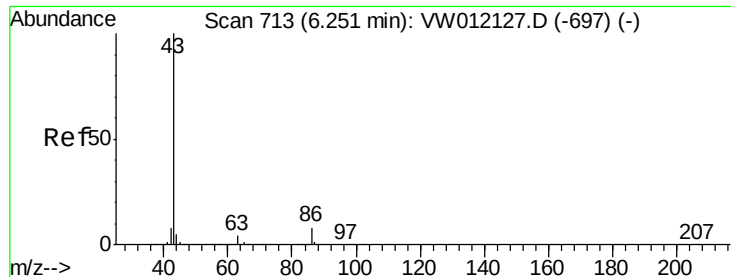
Delta R.T. 0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Tgt Ion:	45	Resp:	191012
Ion	Ratio	Lower	Upper
45	100		
43	55.2	45.5	68.3
87	21.2	16.1	24.1
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 115.731 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS04

Tot Ion: 43 Resp: 555617

Ion Ratio Lower Upper

43 100

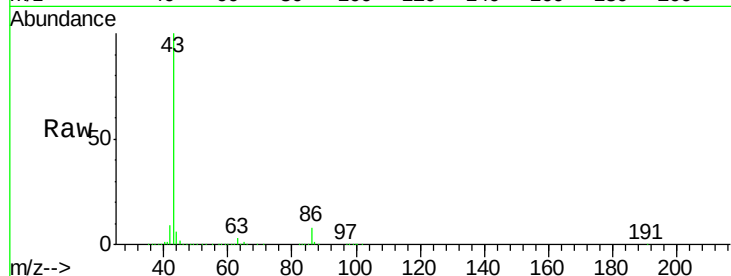
86 8.4 6.5 9.7

Manual Integrations

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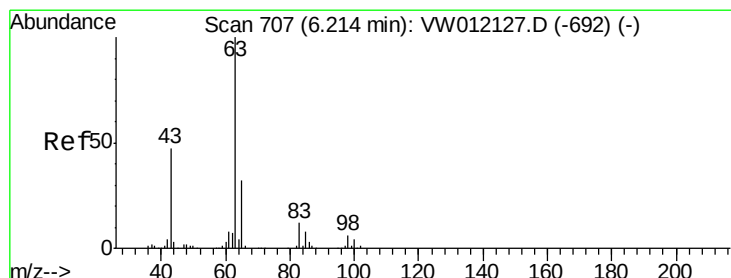
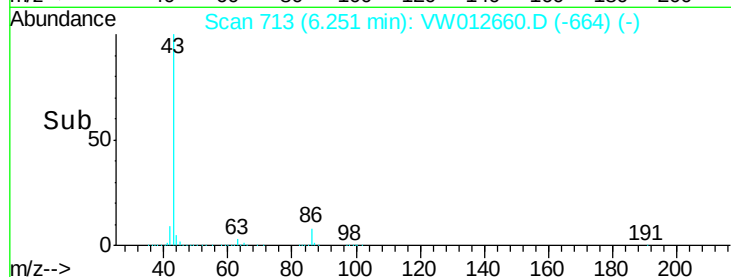
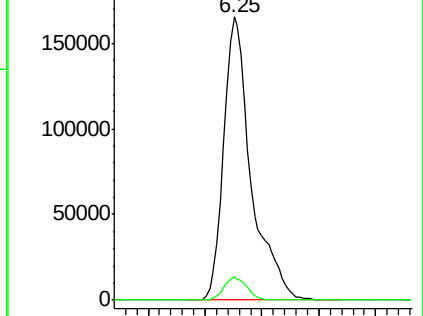
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.976 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

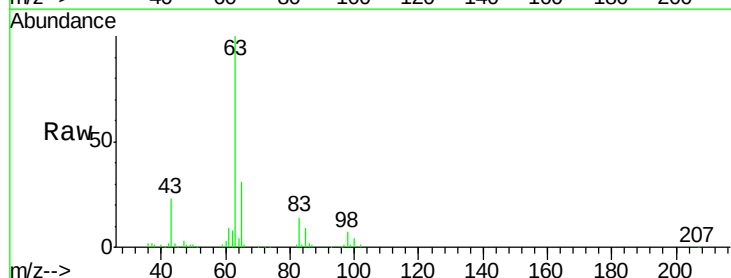
Tgt Ion: 63 Resp: 97594

Ion Ratio Lower Upper

63 100

98 7.5 3.0 9.2

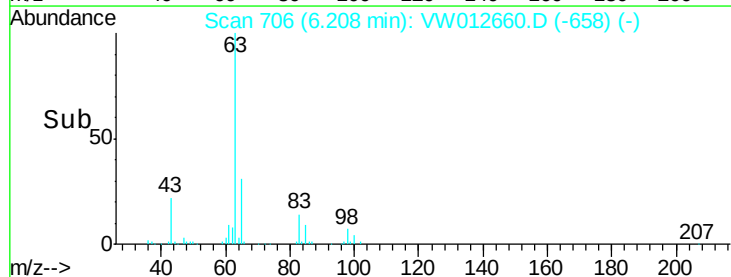
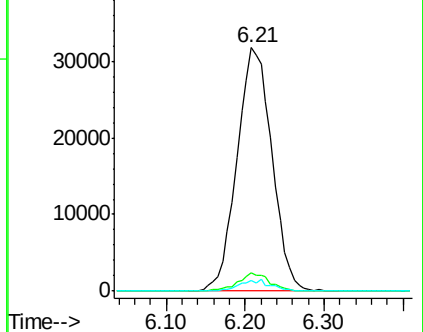
100 4.2 2.0 6.0

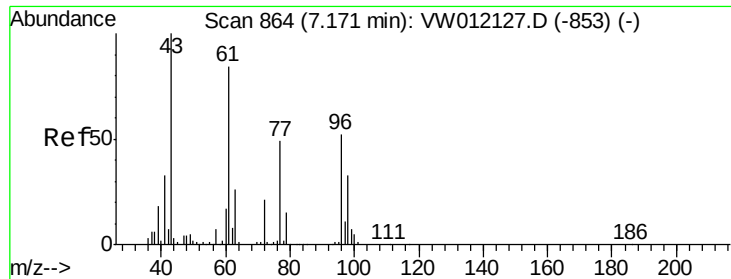


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 113.145 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD04

Tot Ion: 43 Resp: 91696

Ion Ratio Lower Upper

43 100

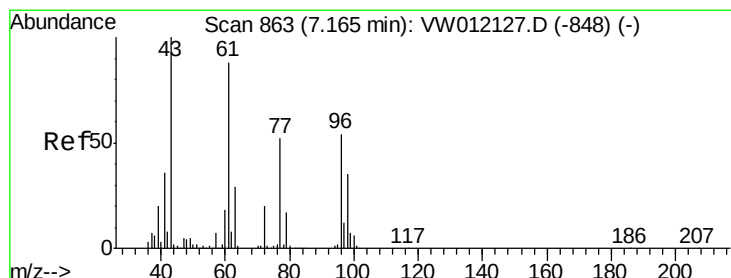
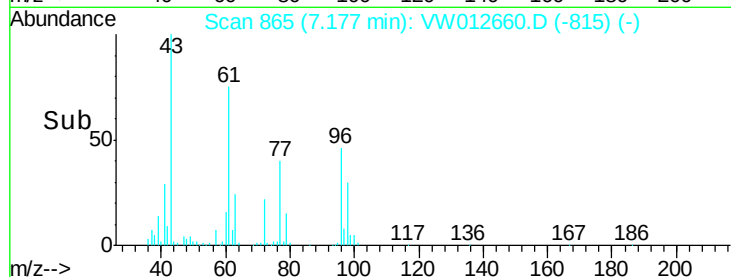
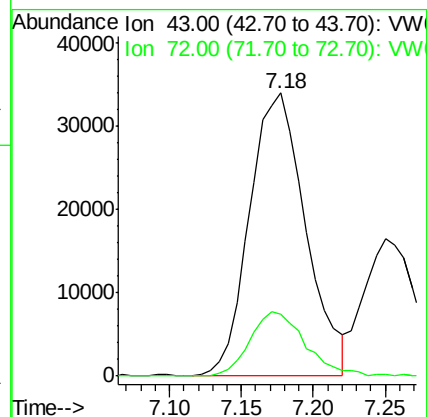
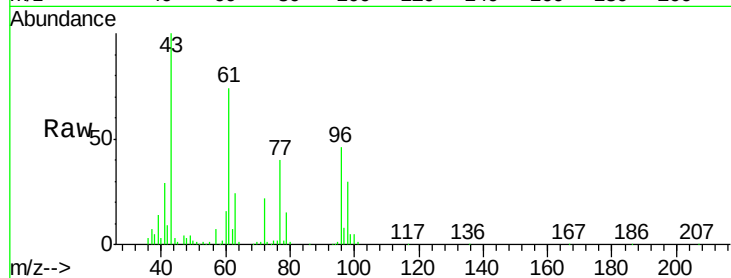
72 21.8 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.764 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012660.D

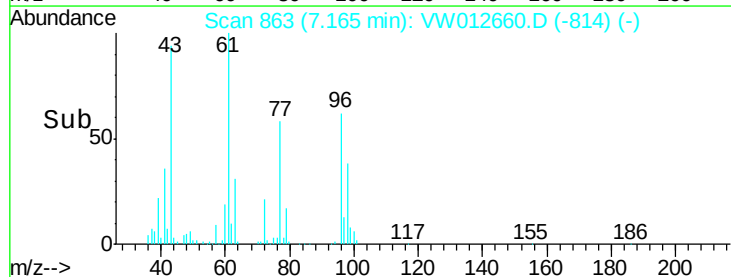
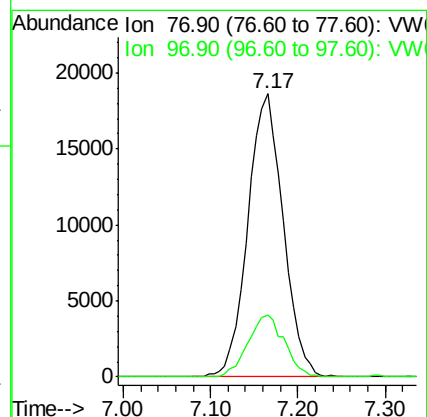
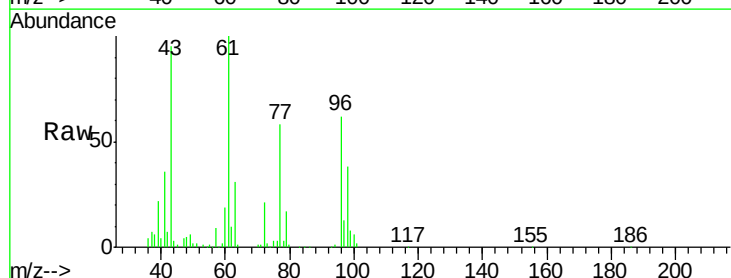
Acq: 06 Sep 2019 00:29

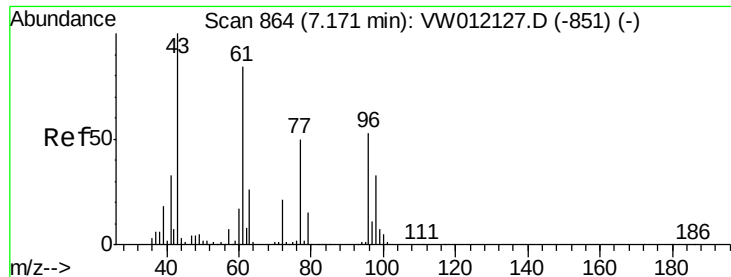
Tgt Ion: 77 Resp: 52325

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.1





#27

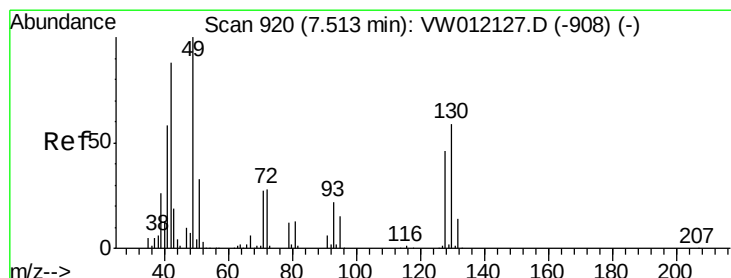
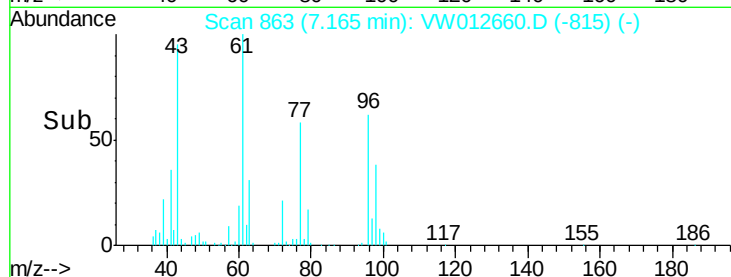
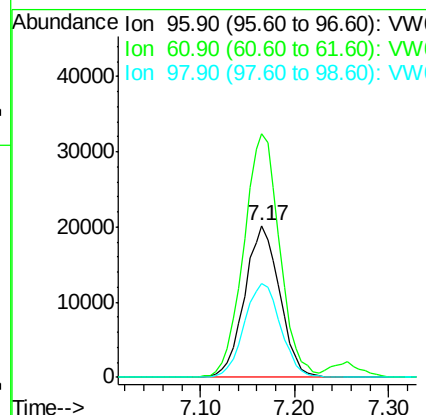
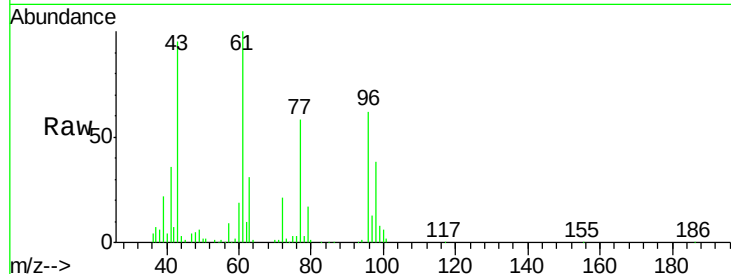
cis-1,2-Dichloroethene
Concen: 23.295 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.1	0.0	326.6
98	64.3	0.0	127.4

Manual Integrations
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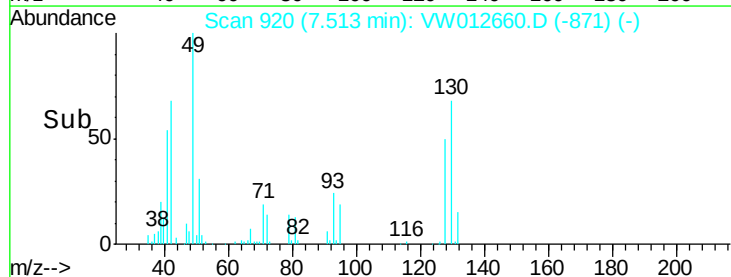
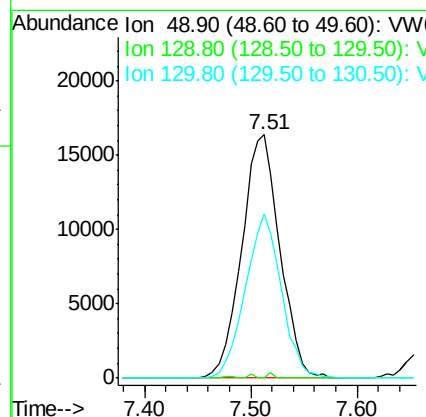
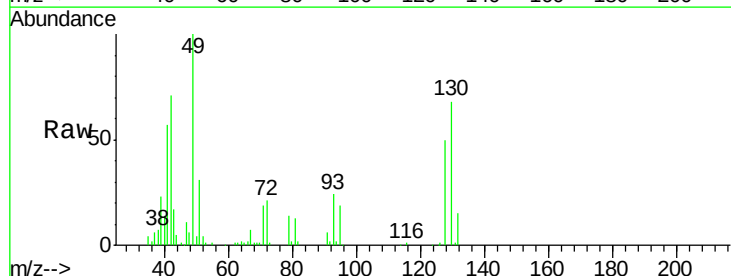
MMDadoda
9/6/2019 12:29:49 PM

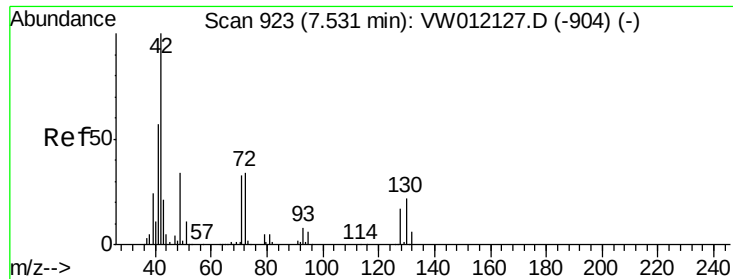


#28

Bromochloromethane
Concen: 22.213 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	63.7	45.5	68.3





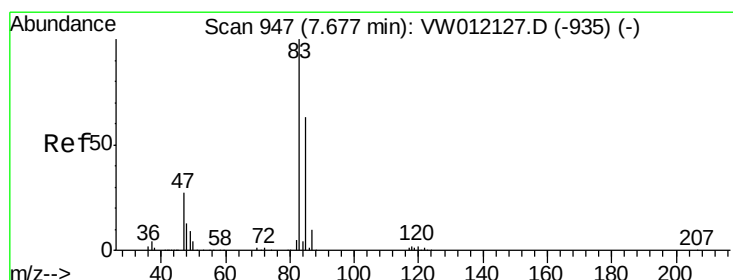
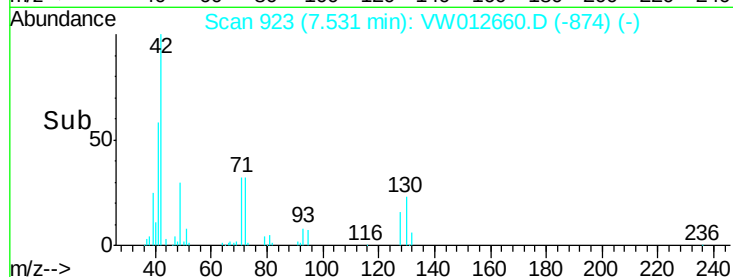
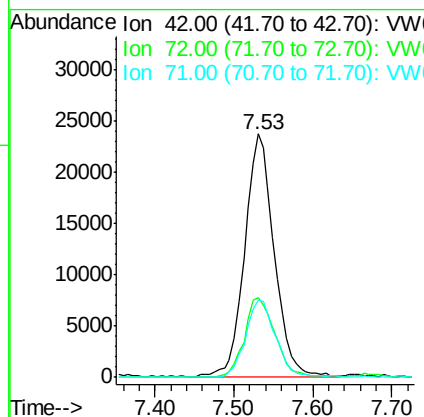
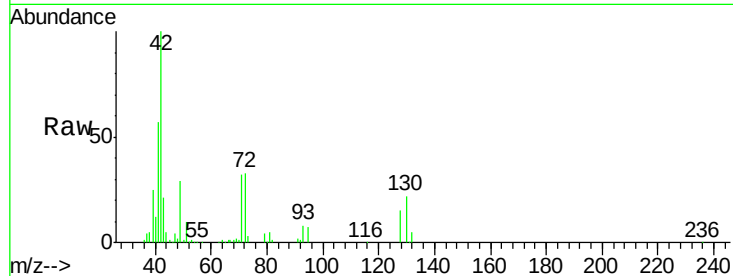
#29
Tetrahydrofuran
Concen: 127.700 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion:	42	Resp:	62091
Ion Ratio	Lower	Upper	
42	100		
72	33.6	27.3	40.9
71	32.0	25.5	38.3

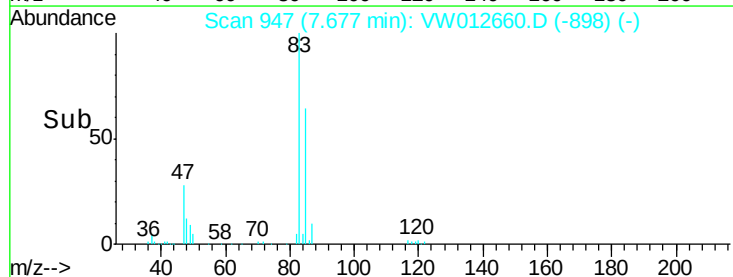
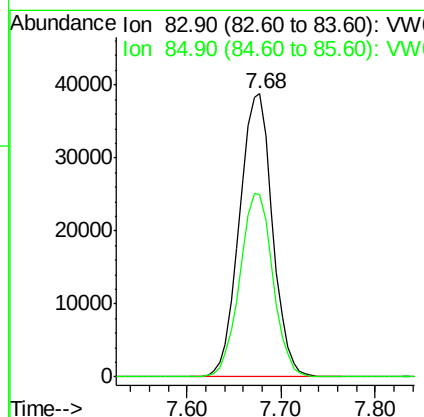
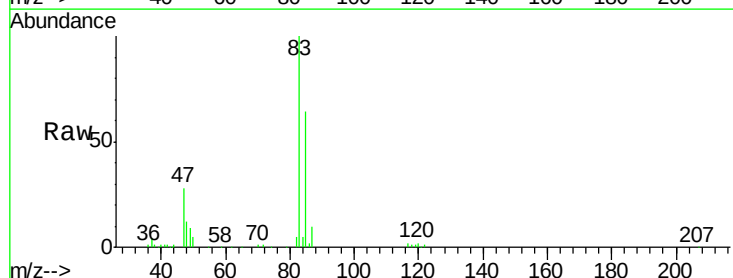
Manual Integrations
APPROVED

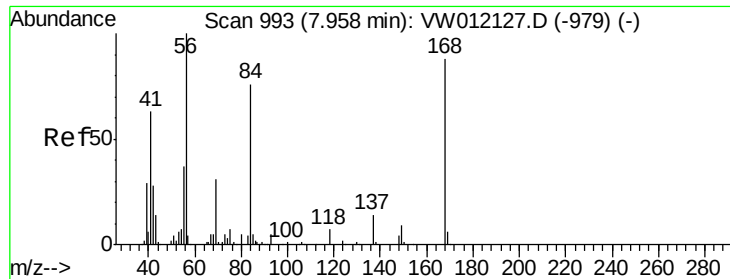
MMDadoda
9/6/2019 12:29:49 PM



#30
Chloroform
Concen: 24.527 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion:	83	Resp:	95314
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.6	76.0





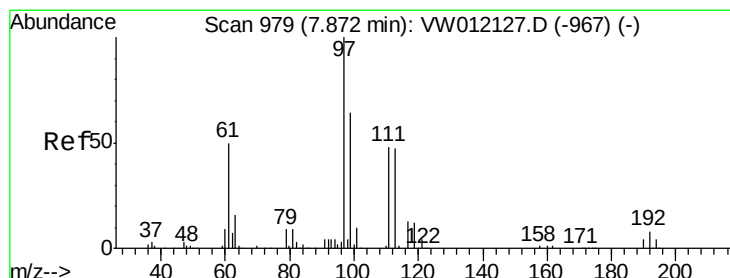
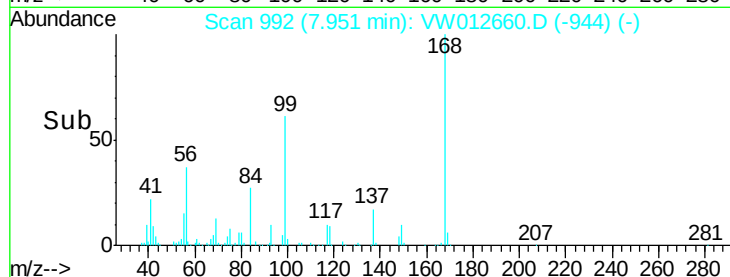
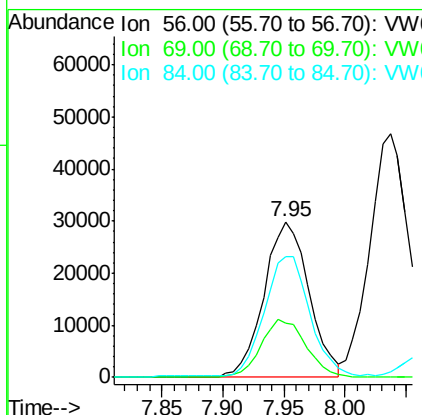
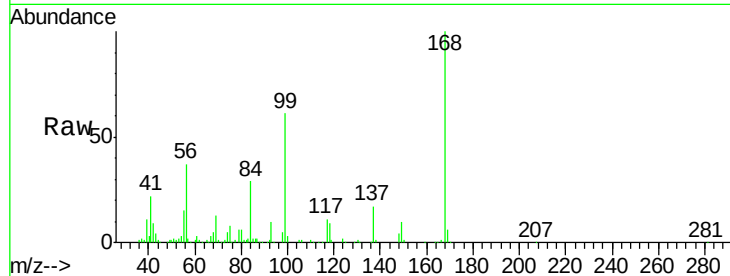
#31
Cyclohexane
Concen: 18.222 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS04

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	24.9	37.3
84	77.0	60.6	90.8

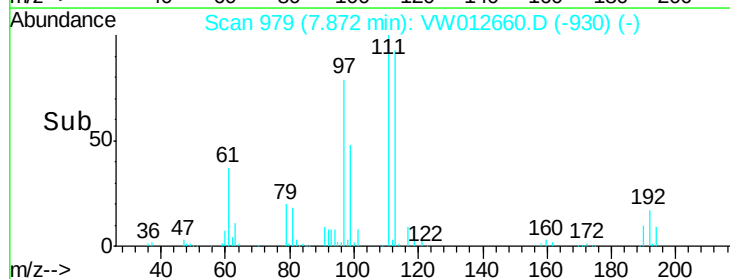
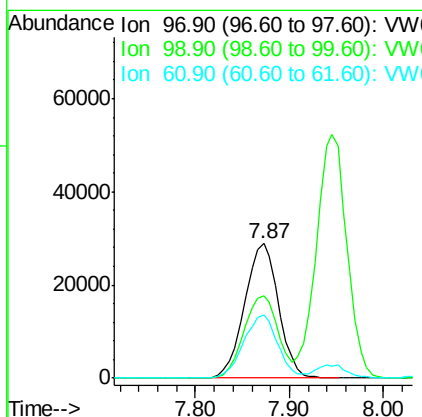
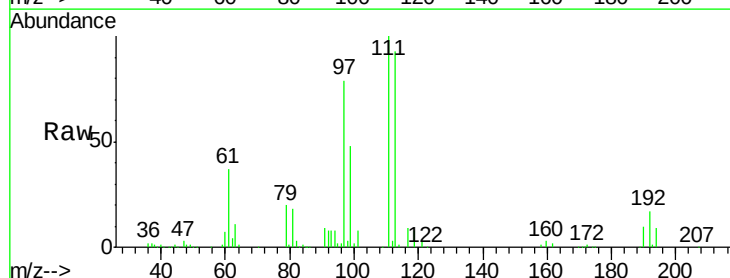
Manual Integrations
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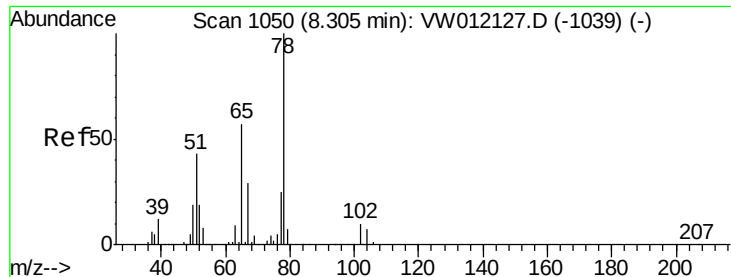
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 23.547 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.4	77.0
61	48.1	39.5	59.3





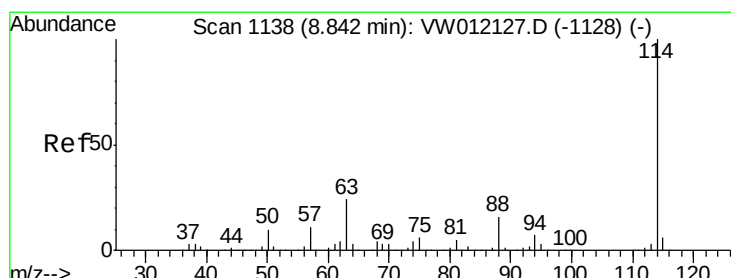
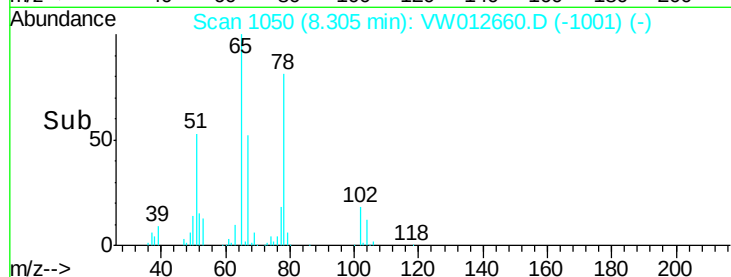
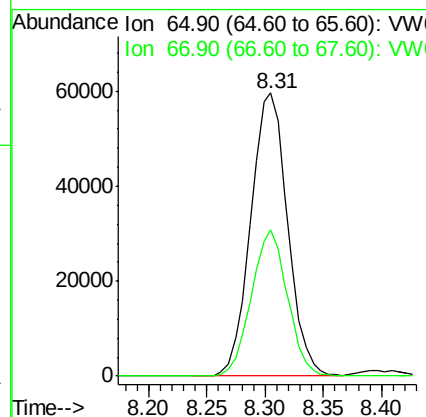
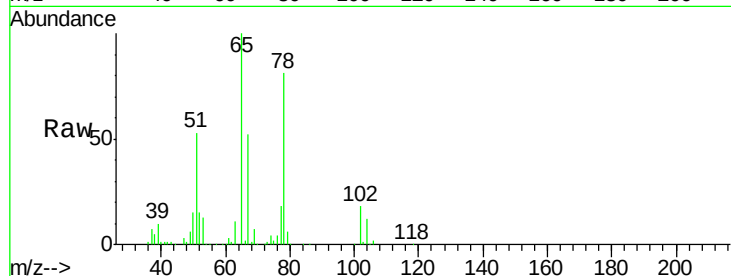
#33
 1,2-Dichloroethane-d4
 Concen: 56.415 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6		0.0	102.6

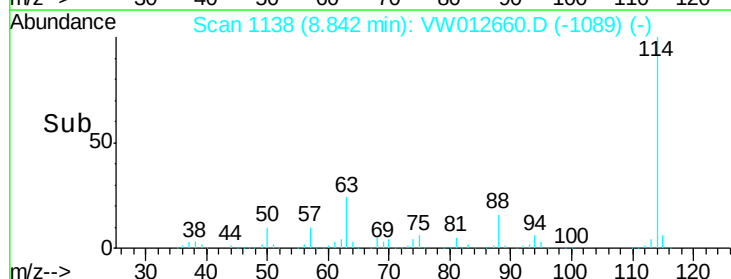
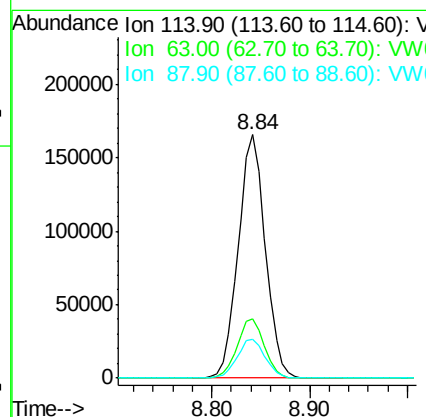
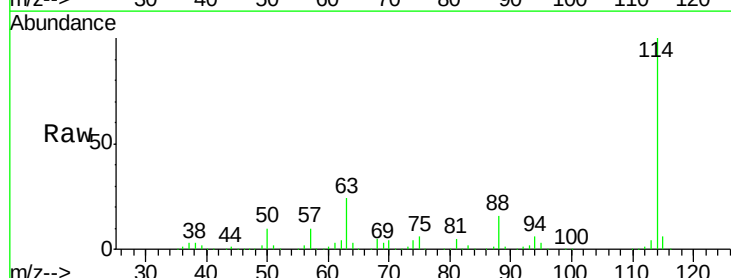
Manual Integrations
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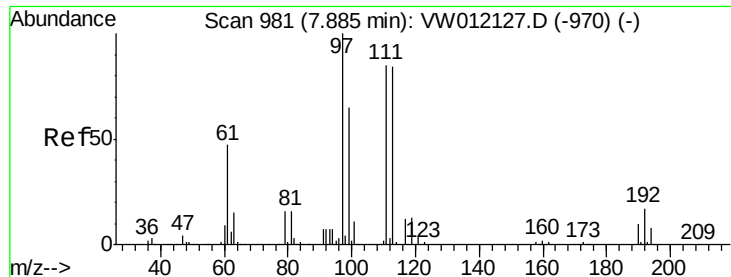
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 9/6/2019 12:29:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.2		0.0	48.6
88	15.9		0.0	32.2





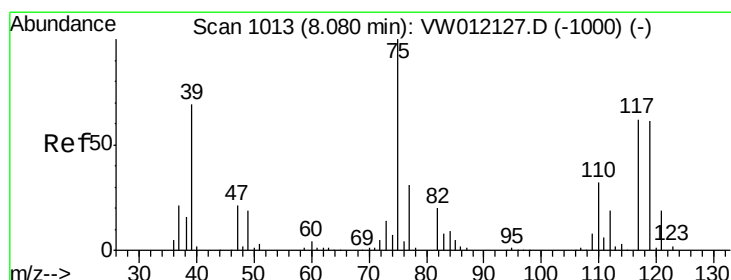
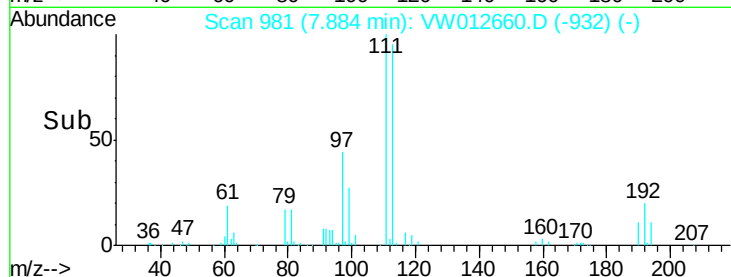
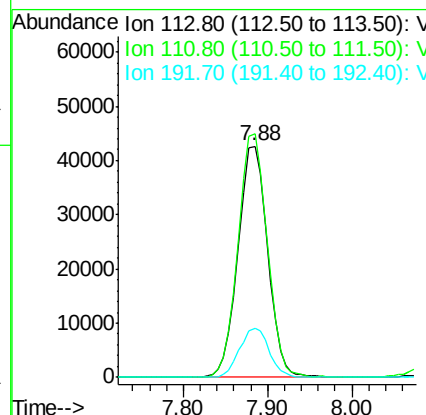
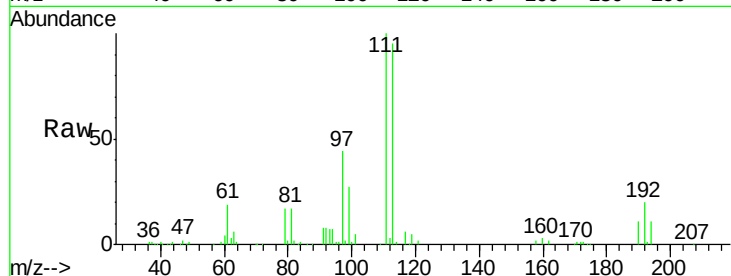
#35
 Dibromofluoromethane
 Concen: 53.236 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101096		
111	104.0	82.7	124.1	
192	21.2	16.2	24.2	

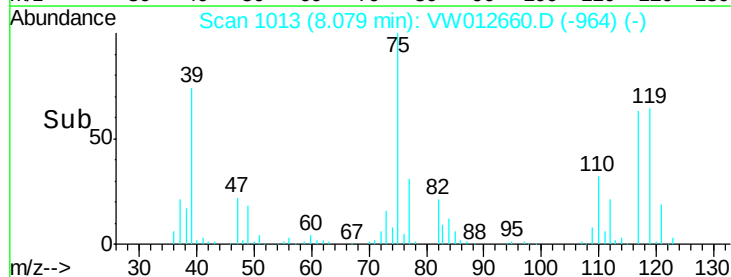
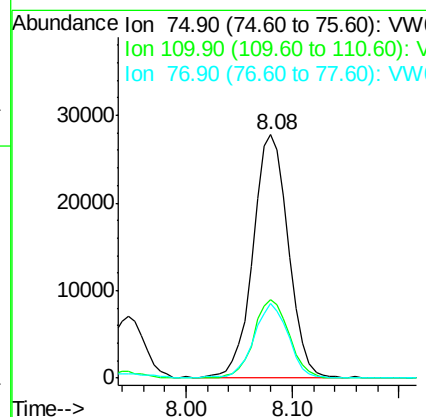
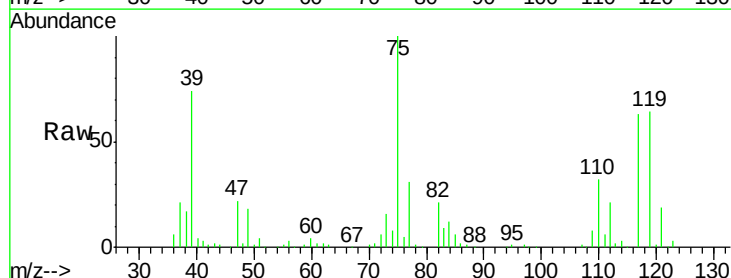
Manual Integrations
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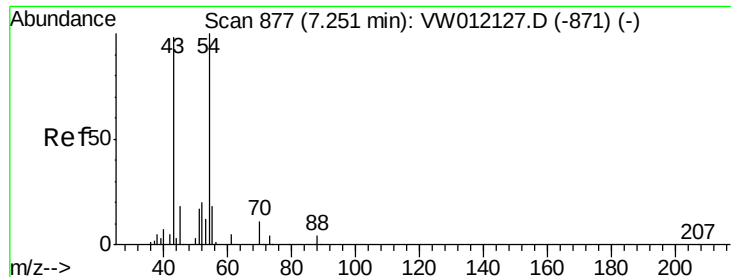
MMDadoda
 9/6/2019 12:29:49 PM



#36
 1,1-Dichloropropene
 Concen: 19.722 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64840		
110	32.2	15.6	46.8	
77	30.1	24.6	36.8	





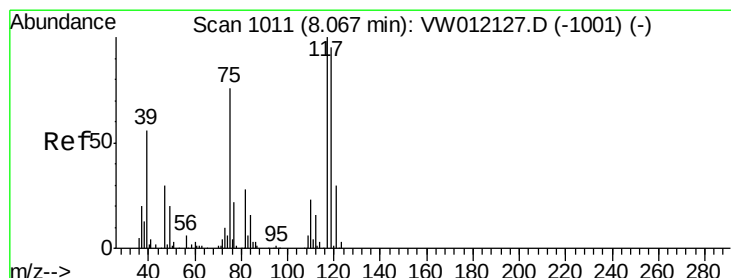
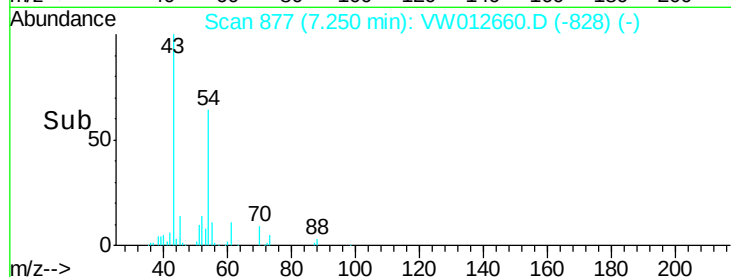
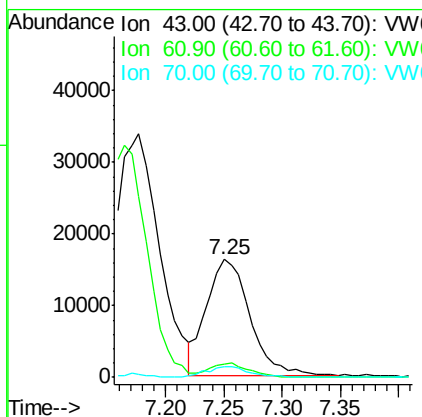
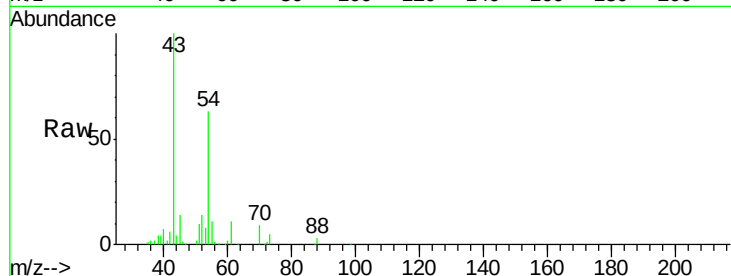
#37
Ethyl Acetate
Concen: 23.375 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.2	13.8
70	9.3	6.9	10.3

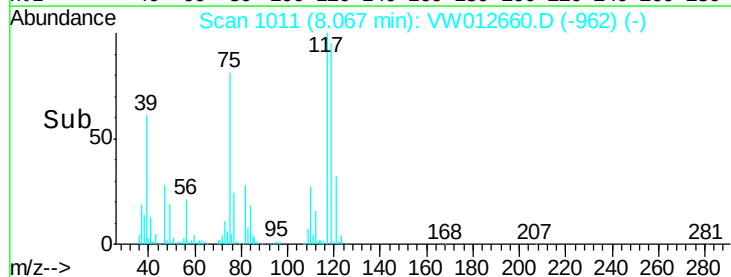
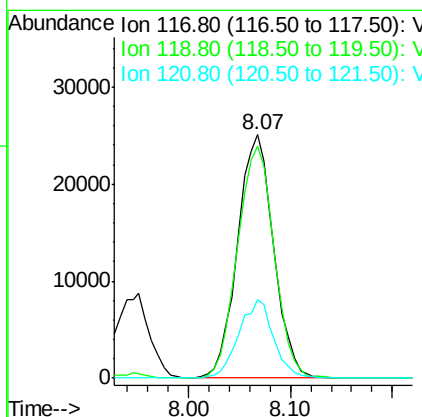
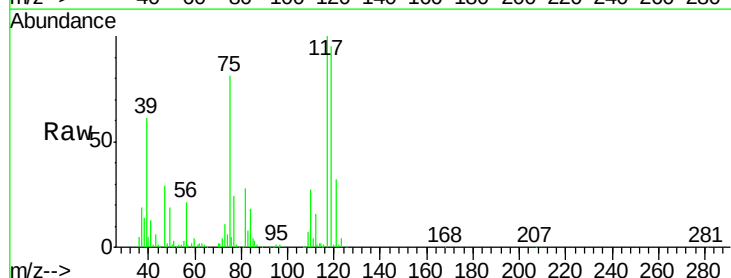
Manual Integrations
APPROVED

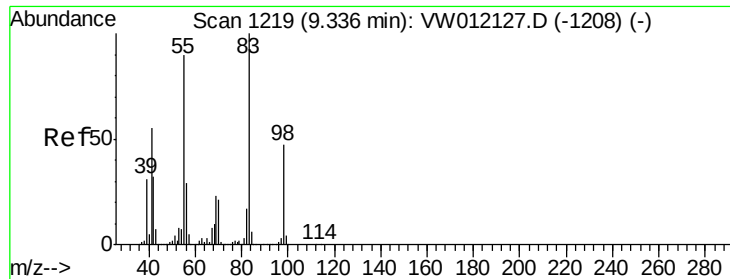
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#38
Carbon Tetrachloride
Concen: 21.630 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.2
121	32.4	23.8	35.8





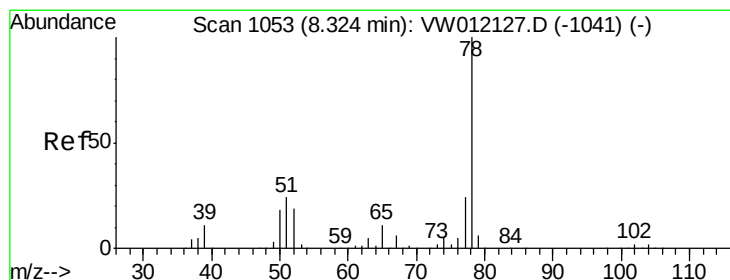
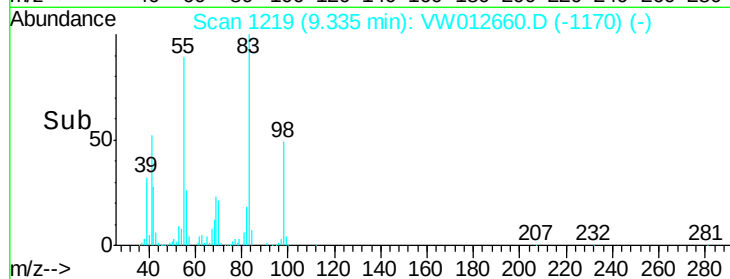
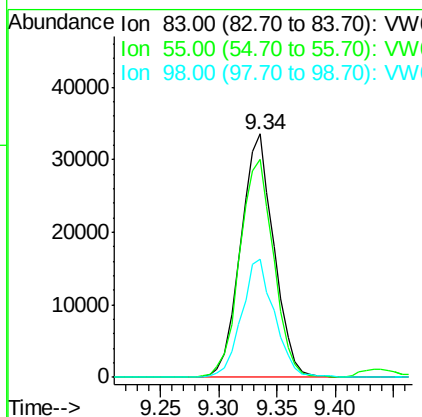
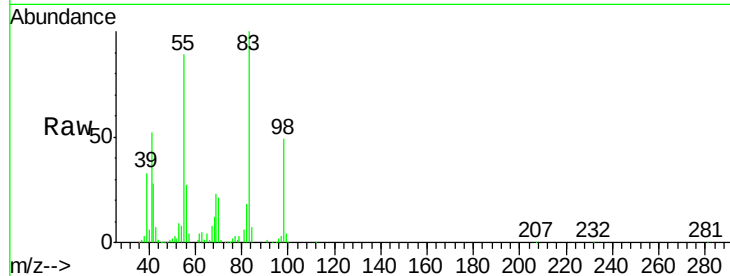
#39
Methylvlcyclohexane
Concen: 18.105 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.3	71.8	107.8
98	48.8	37.8	56.8

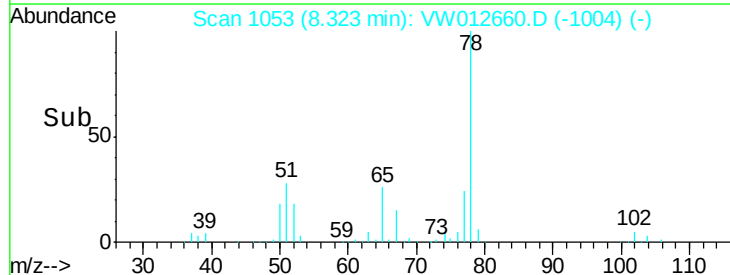
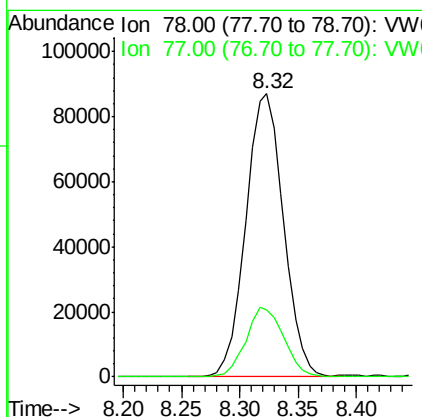
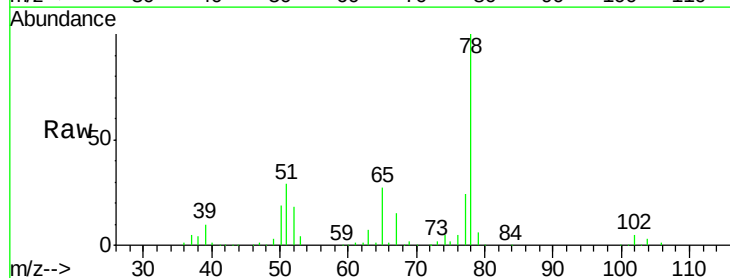
Manual Integrations
APPROVED

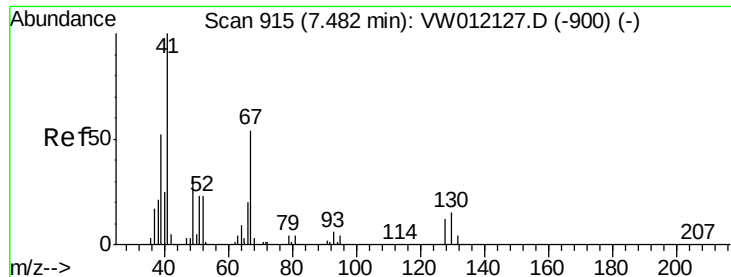
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#40
Benzene
Concen: 21.848 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





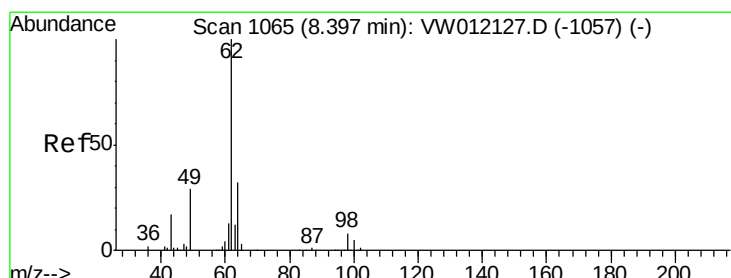
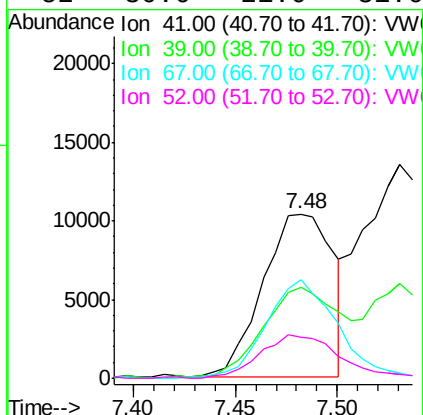
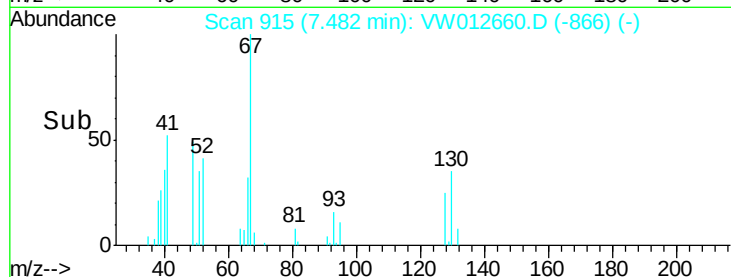
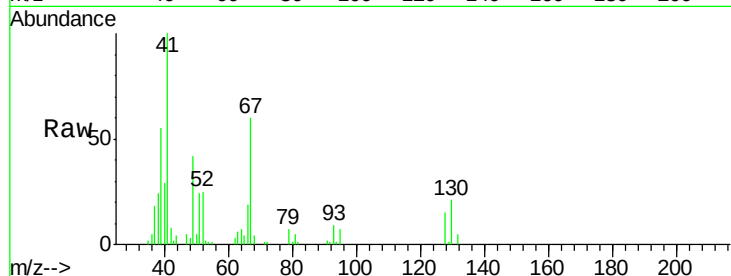
#41
Methacrylonitrile
Concen: 23.255 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	41	Resp	24624
Ion	Ratio	Lower	Upper
41	100		
39	61.4	45.8	68.8
67	61.6	46.2	69.4
52	30.6	21.0	31.6

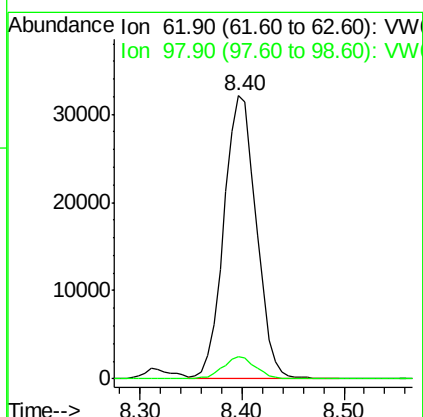
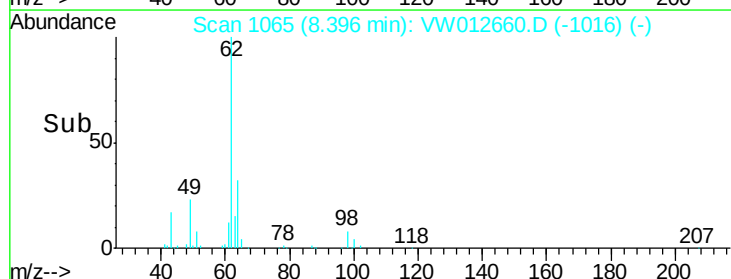
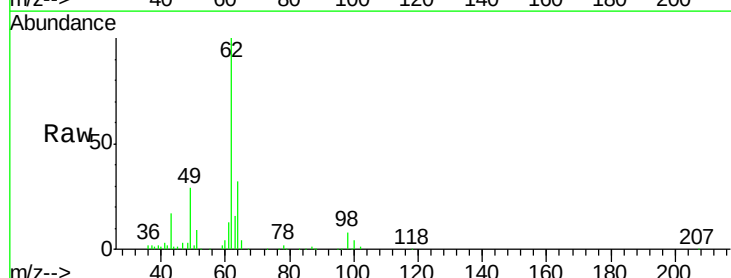
Manual Integrations
APPROVED

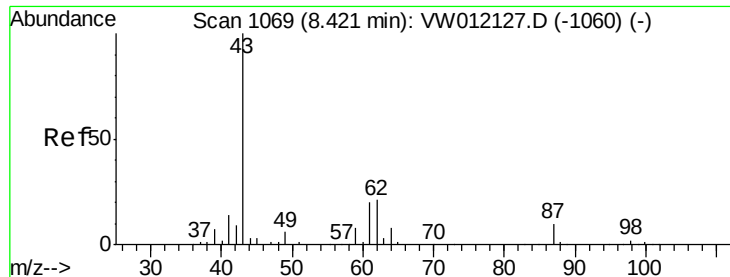
MMDadoda
9/6/2019 12:29:49 PM



#42
1,2-Dichloroethane
Concen: 25.103 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	62	Resp	70627
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 24.541 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

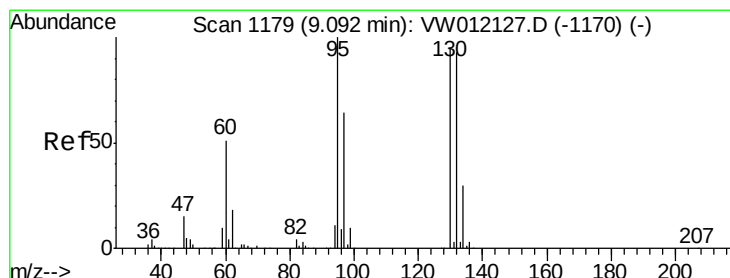
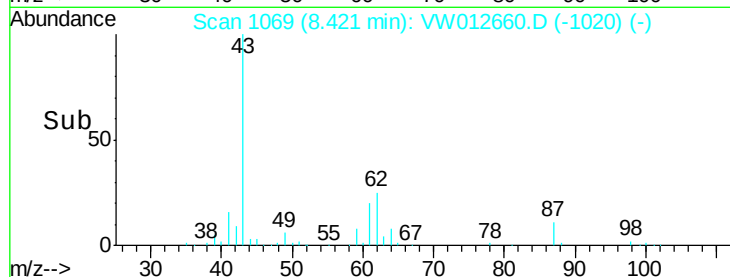
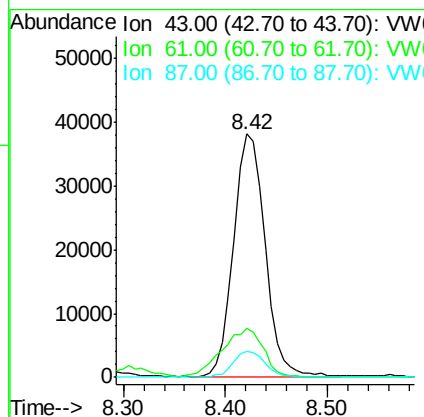
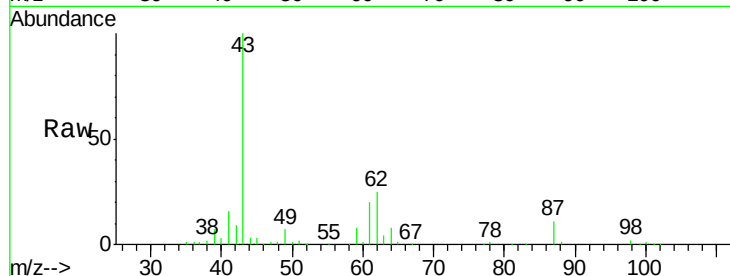
ClientSampleId :

VW0905SBS04

Tot Ion:	43	Resp:	81895
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.1	31.7
87	10.9	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 21.664 ug/l

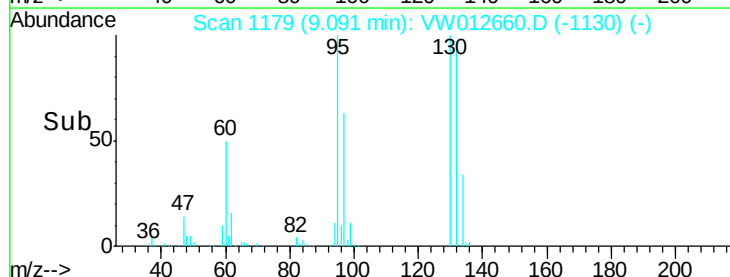
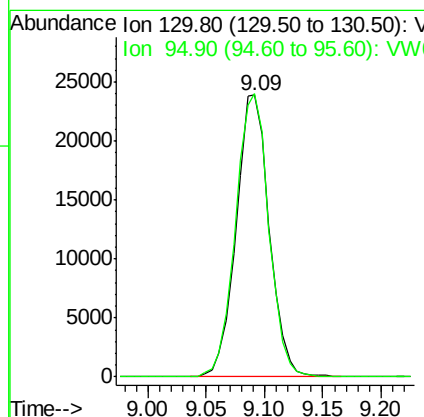
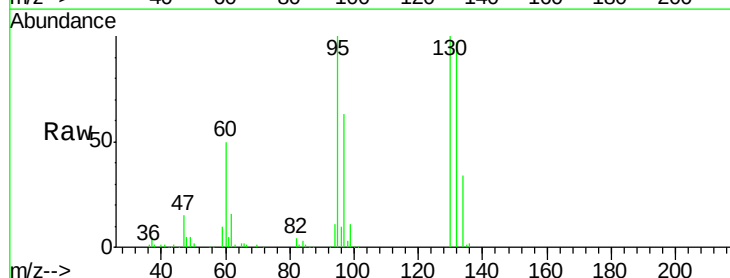
RT: 9.09 min Scan# 1179

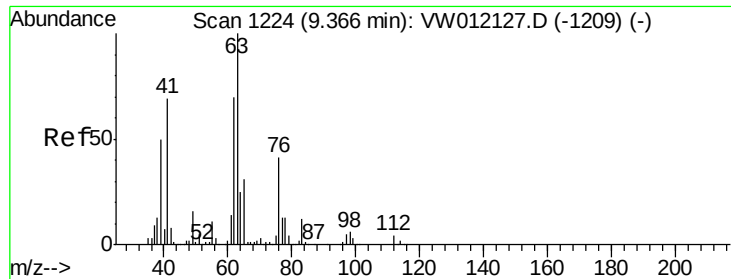
Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Tgt Ion:	130	Resp:	47278
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	210.6





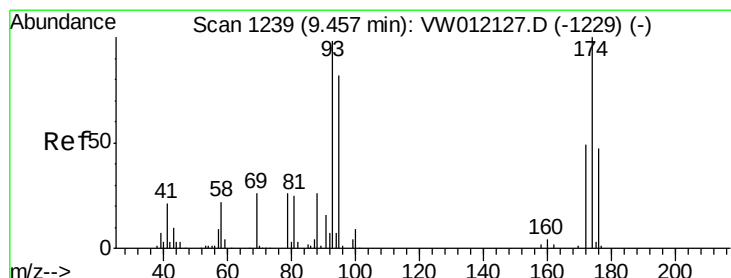
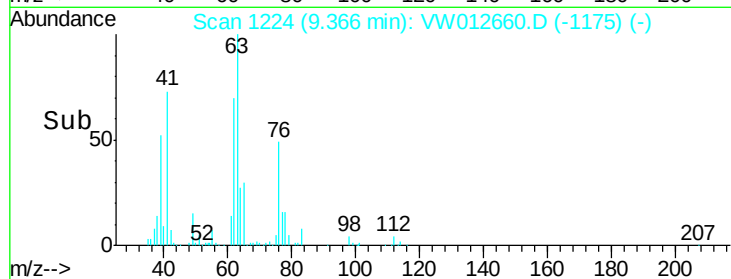
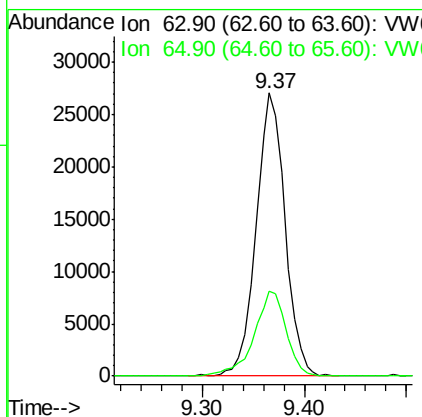
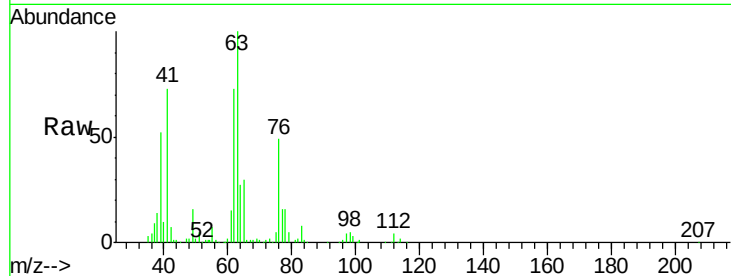
#45
 1,2-Dichloropropane
 Concen: 22.166 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS04

Tot Ion: 63 Resp: 53553
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.4

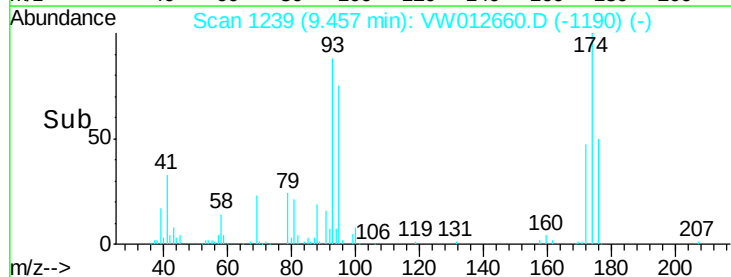
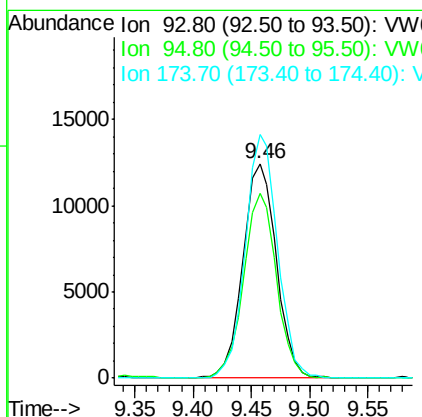
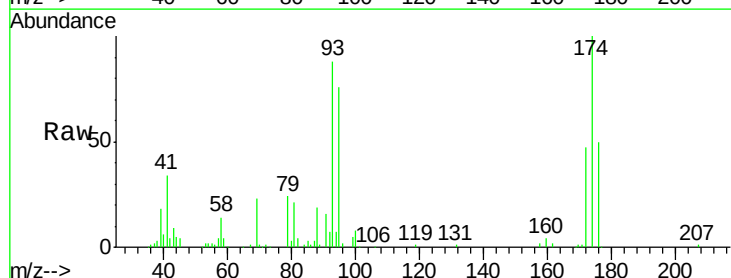
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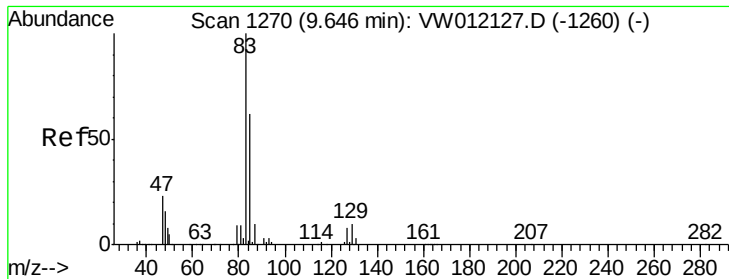
MMDadoda
 9/6/2019 12:29:49 PM



#46
 Dibromomethane
 Concen: 23.341 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion: 93 Resp: 25090
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.2 100.8
 174 108.9 79.0 118.6





#47

Bromodichloromethane

Concen: 24.129 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

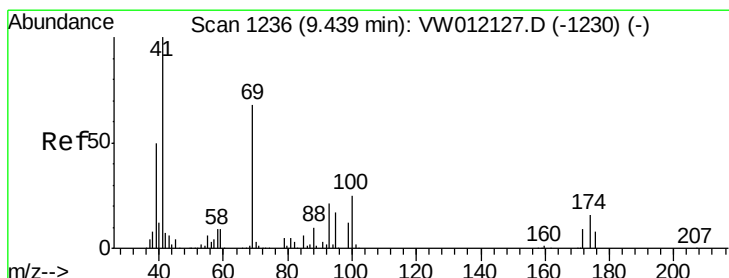
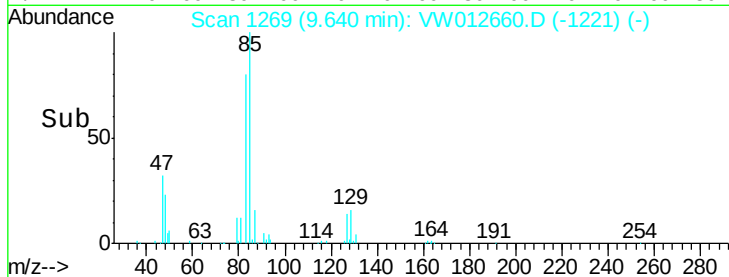
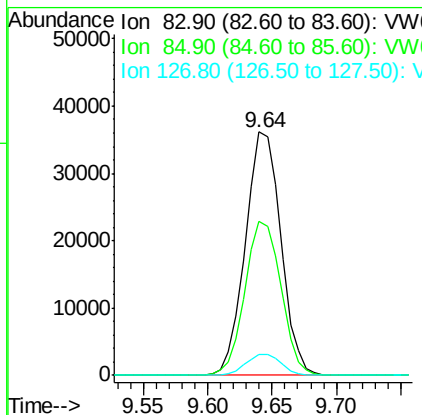
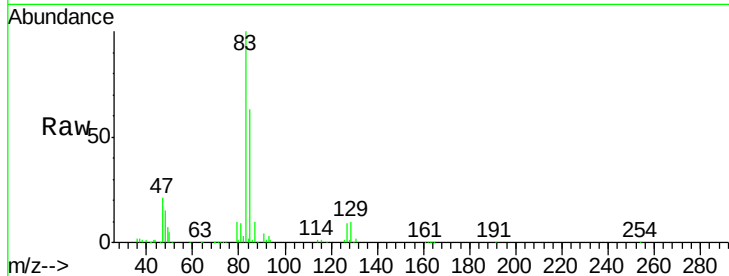
ClientSampleId :

VW0905SBS04

Tot Ion:	83	Resp:	69030
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.4	74.2
127	8.6	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 25.323 ug/l

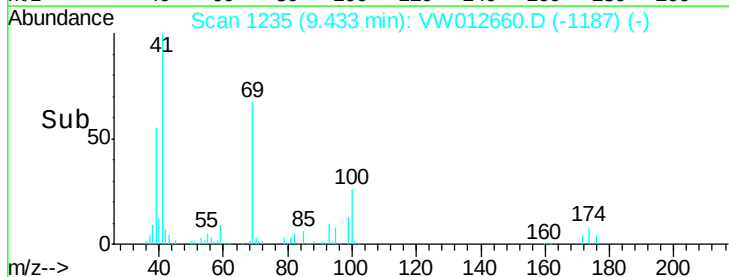
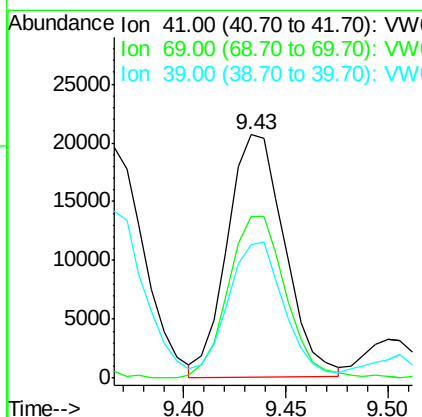
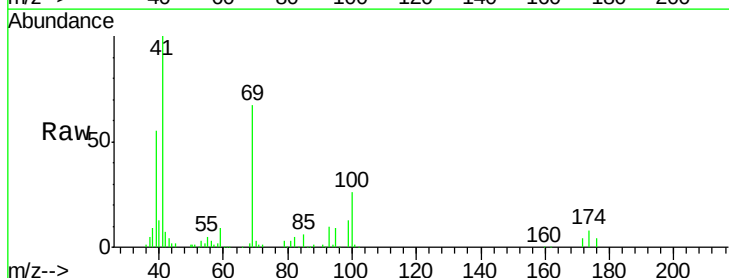
RT: 9.43 min Scan# 1235

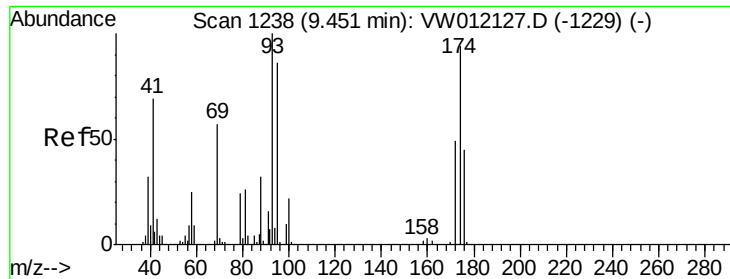
Delta R.T. -0.01 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Tgt Ion:	41	Resp:	40220
Ion	Ratio	Lower	Upper
41	100		
69	67.0	56.7	85.1
39	54.5	42.0	63.0





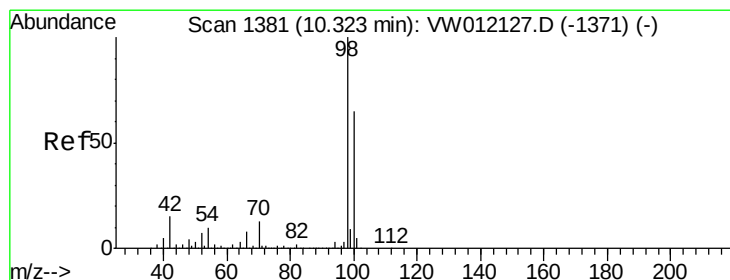
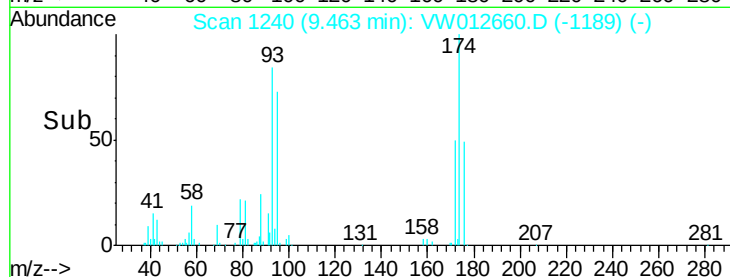
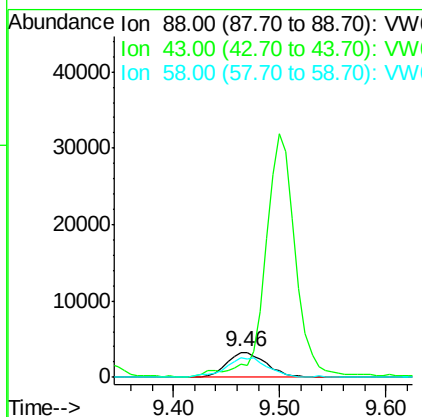
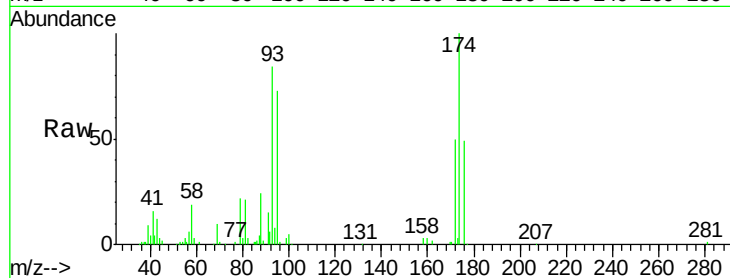
#49
1,4-Dioxane
Concen: 519.861 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	88	Resp	8555
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	84.1	71.0	106.4

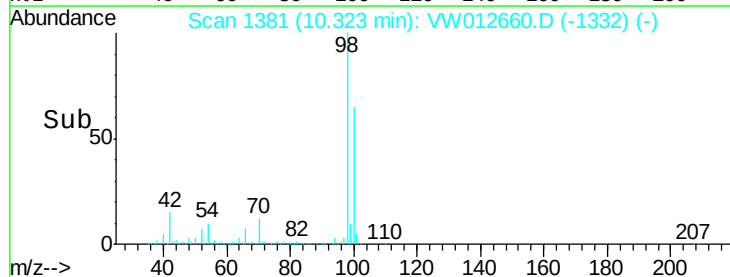
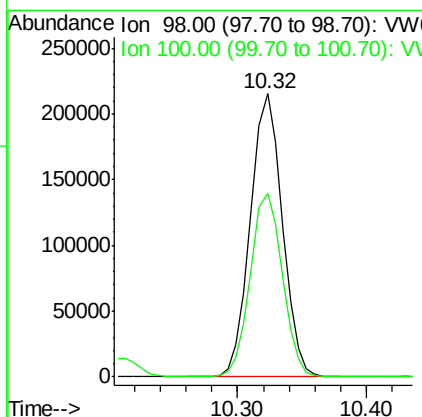
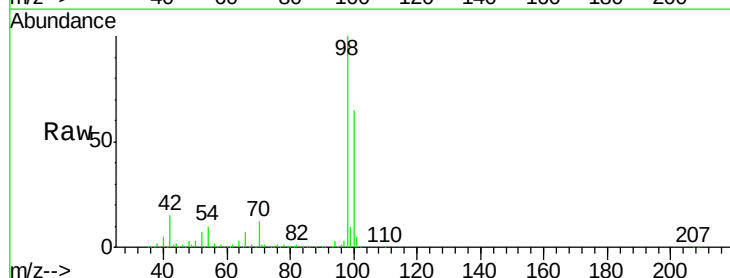
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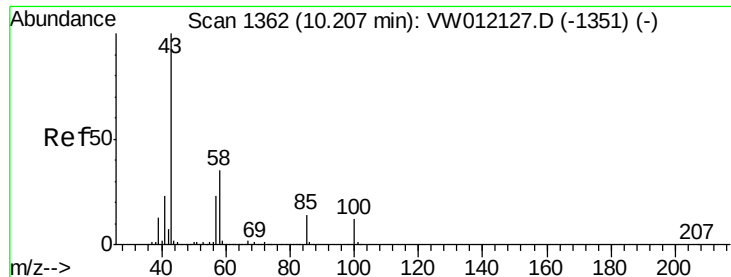
MMDadoda
9/6/2019 12:29:49 PM



#50
Toluene-d8
Concen: 47.821 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	98	Resp	368219
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6





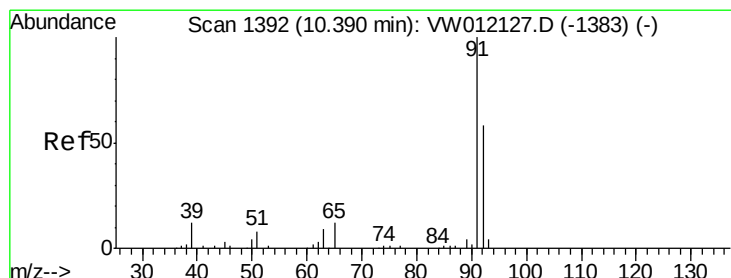
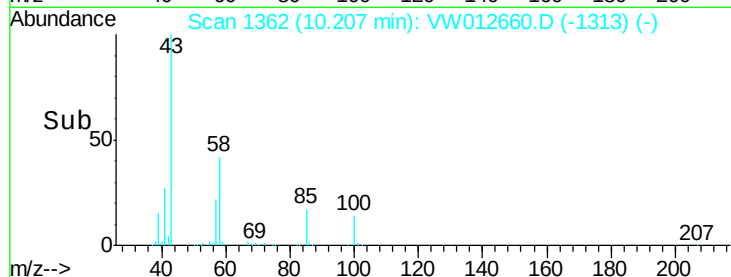
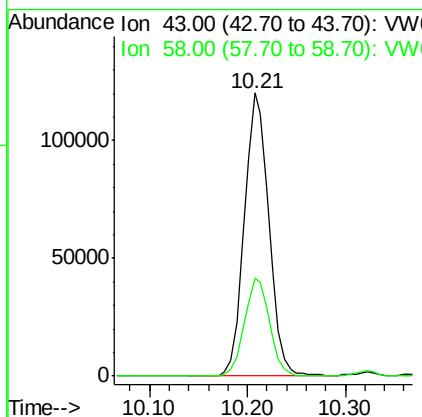
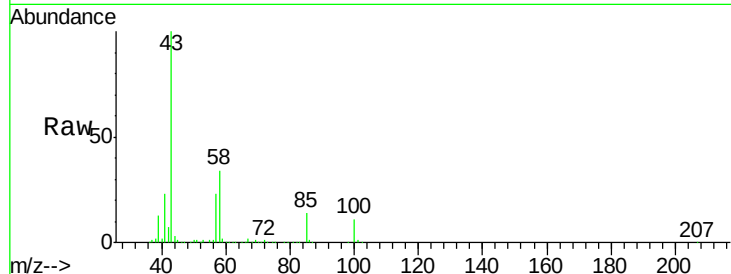
#51
 4-Methyl-2-Pentanone
 Concen: 122.830 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS04

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.2	42.2

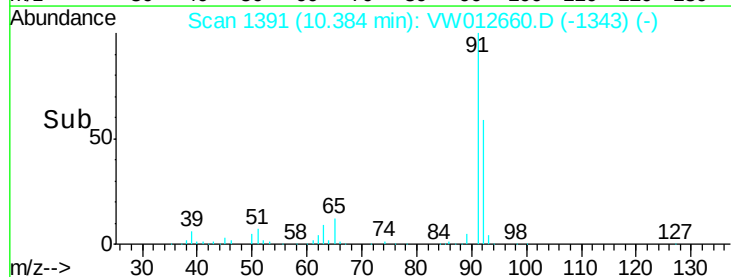
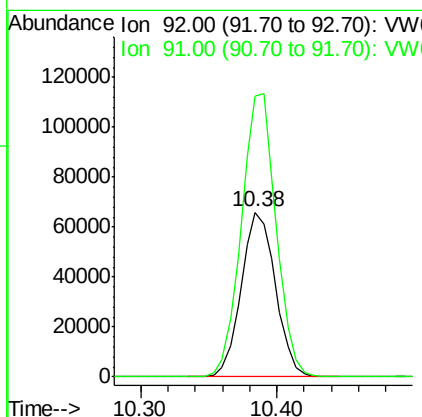
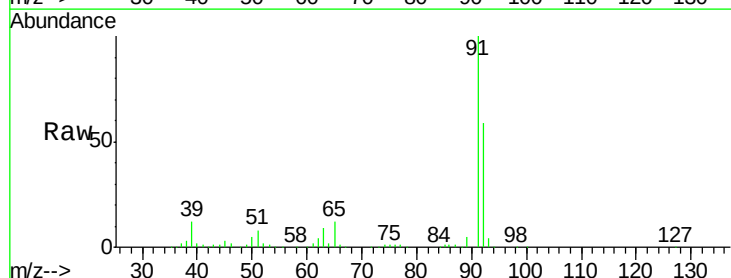
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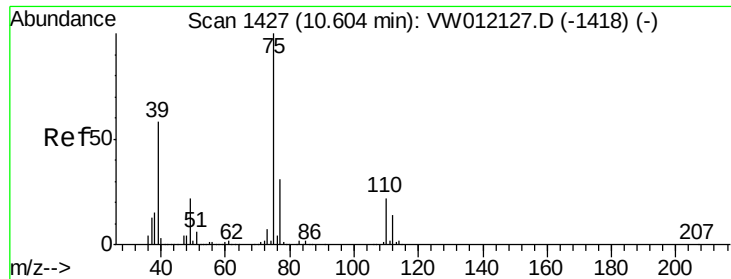
MMDadoda
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#52
 Toluene
 Concen: 21.522 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.8	136.6	204.8





#53

t-1,3-Dichloropropene

Concen: 22.889 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS04

Tot Ion: 75 Resp: 66703

Ion Ratio Lower Upper

75 100

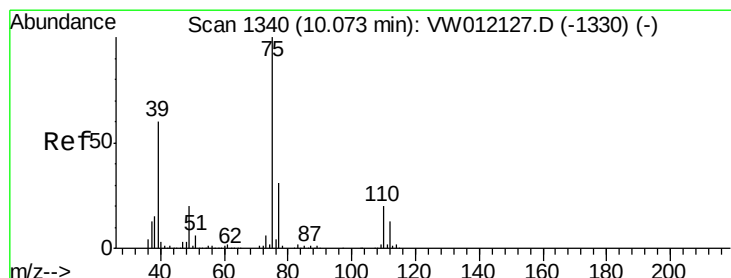
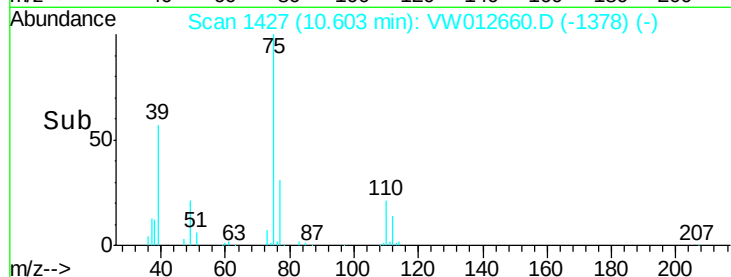
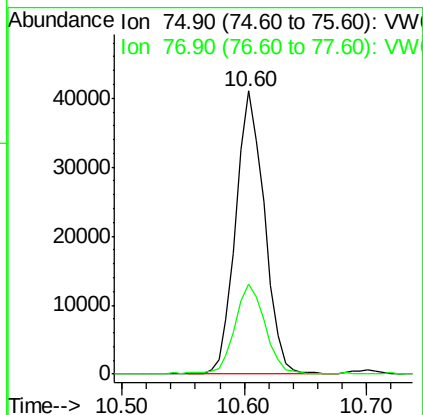
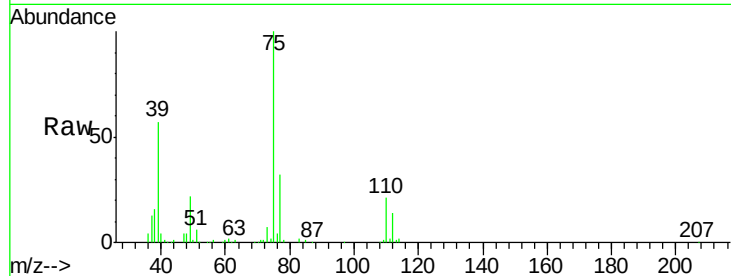
77 31.3 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.978 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

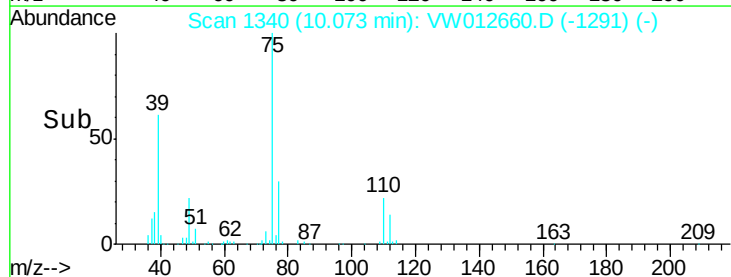
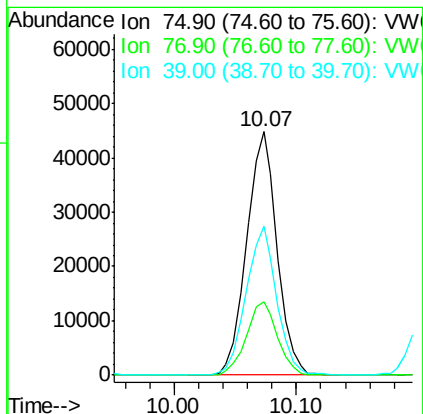
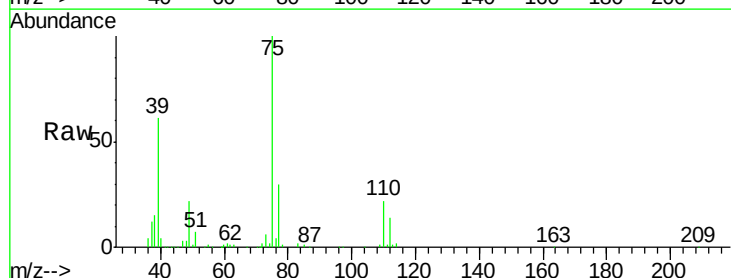
Tgt Ion: 75 Resp: 77334

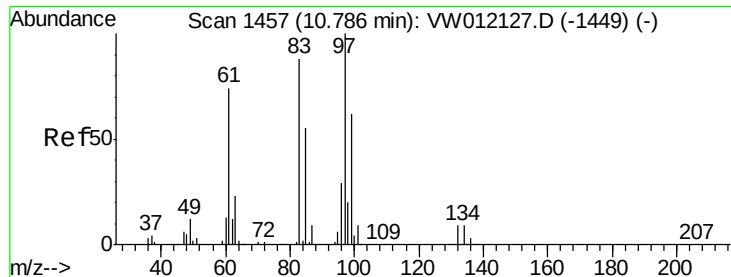
Ion Ratio Lower Upper

75 100

77 29.9 25.1 37.7

39 61.3 48.3 72.5





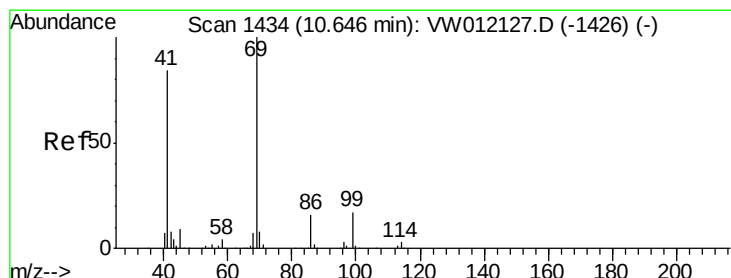
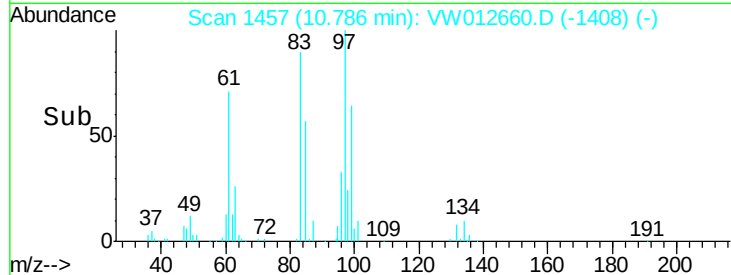
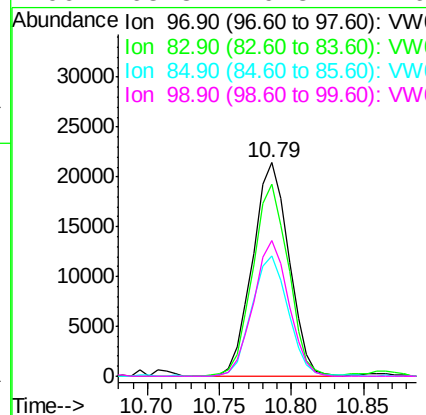
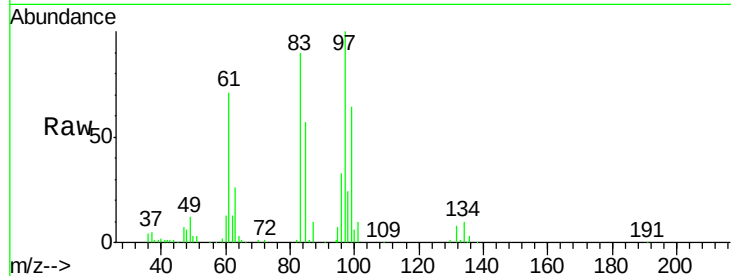
#55
 1,1,2-Trichloroethane
 Concen: 24.653 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD04

Tot Ion:	97	Resp:	37495
Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.8	106.2
85	56.6	43.8	65.8
99	63.8	49.8	74.6

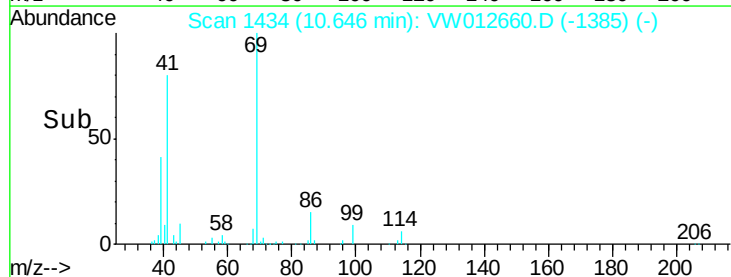
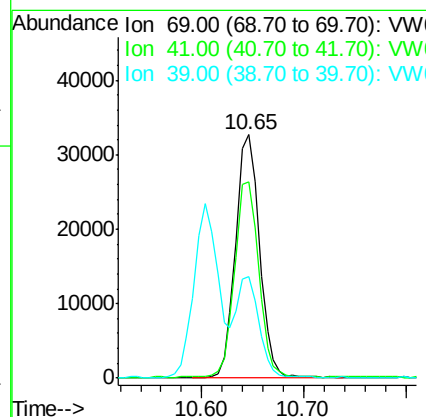
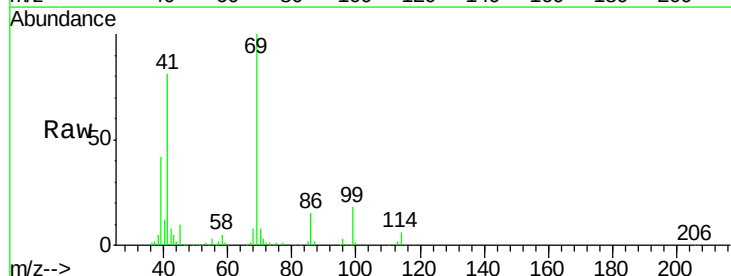
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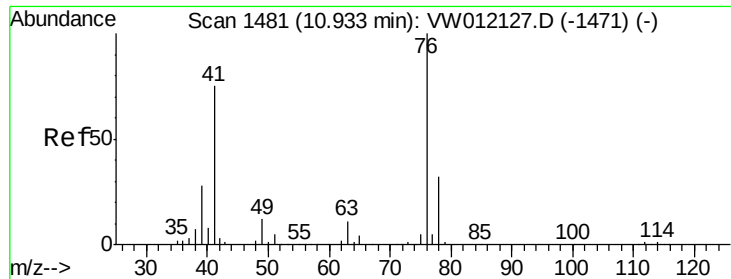
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 9/6/2019 12:29:49 PM



#56
 Ethyl methacrylate
 Concen: 24.114 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion:	69	Resp:	53377
Ion	Ratio	Lower	Upper
69	100		
41	81.4	66.5	99.7
39	37.4	31.0	46.4





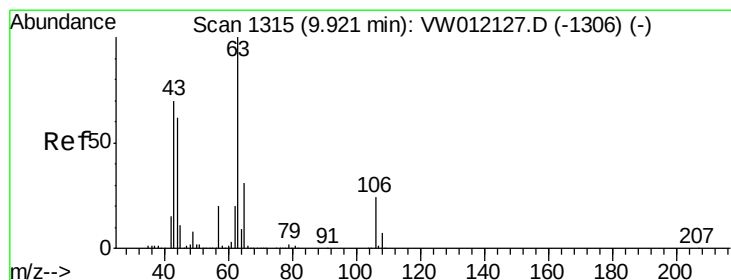
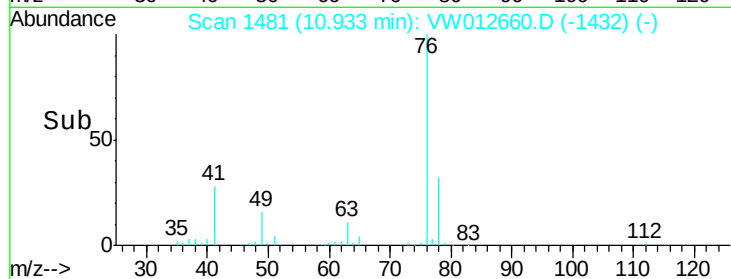
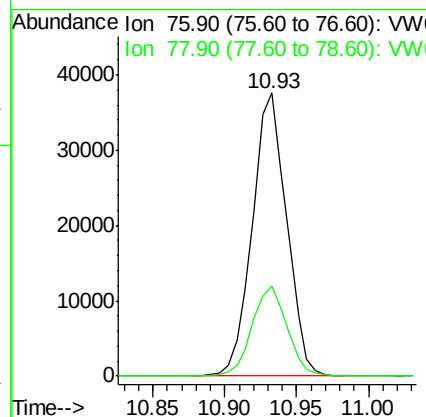
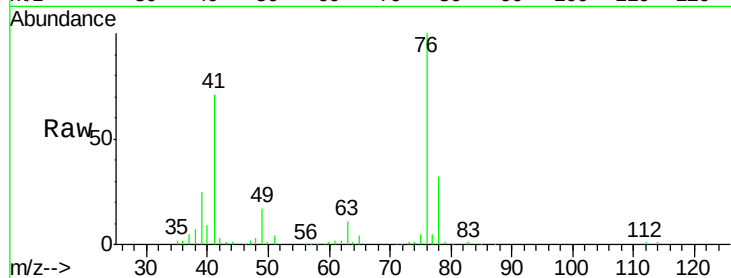
#57
 1,3-Dichloropropane
 Concen: 21.498 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS04

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

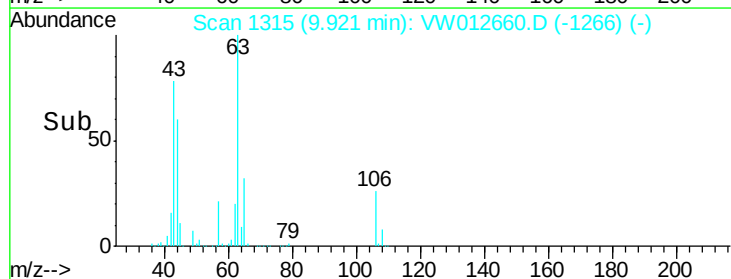
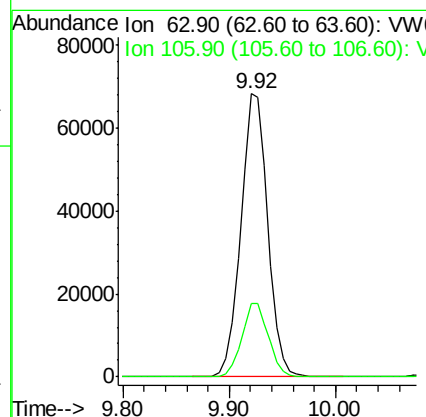
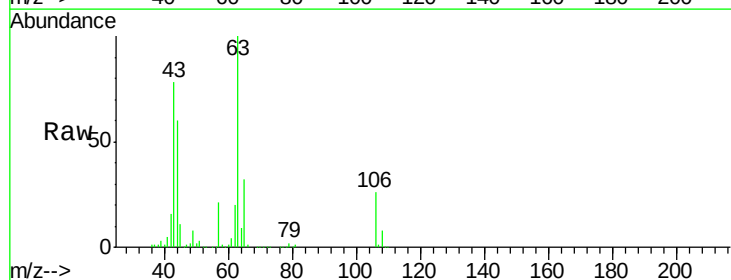
Manual Integrations
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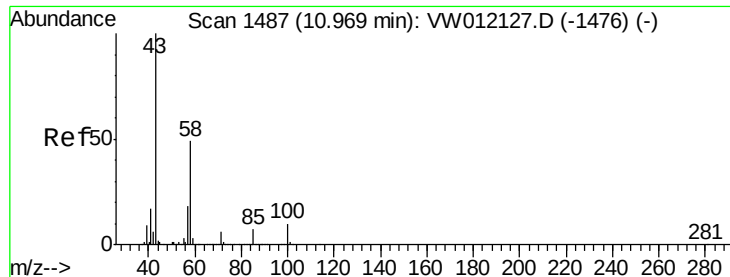
MMDadoda
 9/6/2019 12:29:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.290 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	19.8	29.8





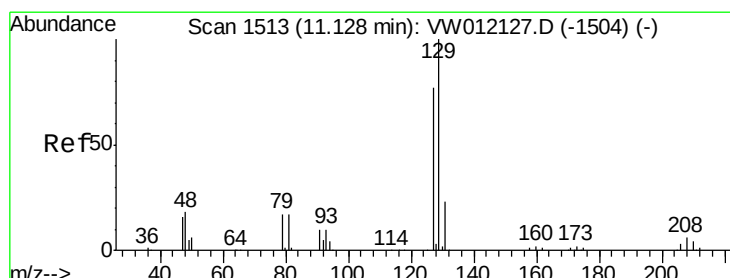
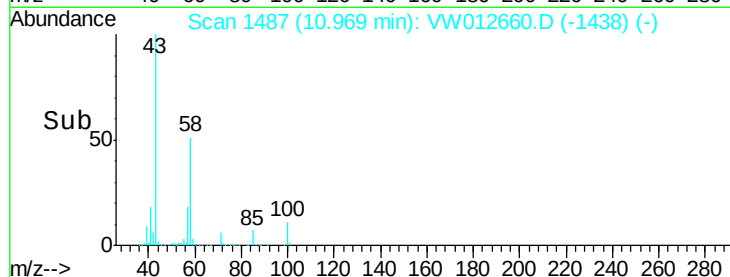
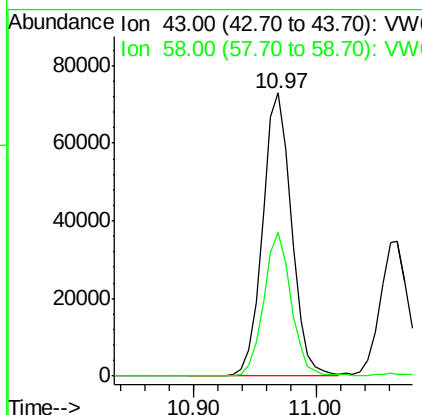
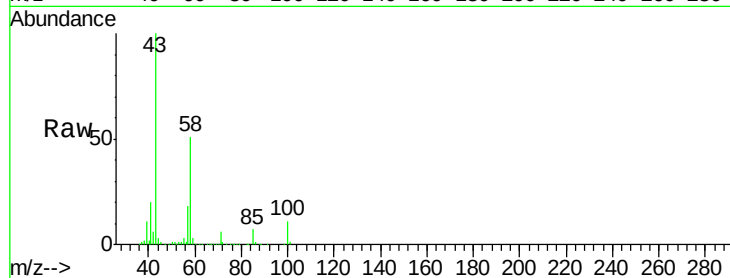
#59
2-Hexanone
Concen: 99.865 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	24.3	72.9

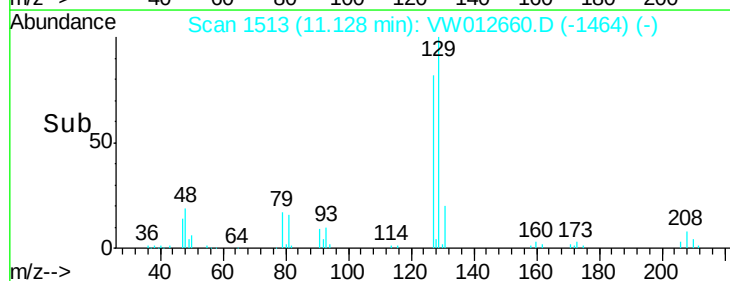
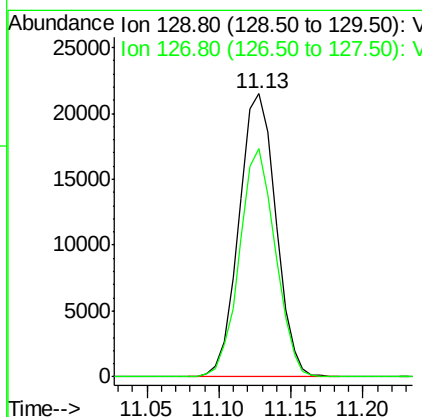
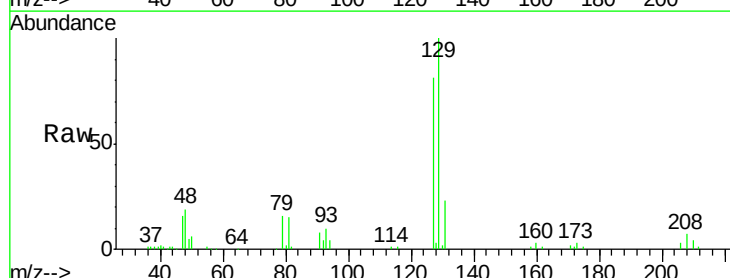
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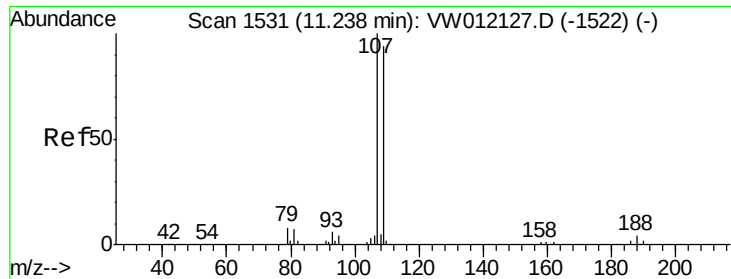
MMDadoda
9/6/2019 12:29:49 PM



#60
Dibromochloromethane
Concen: 22.558 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.6	115.8





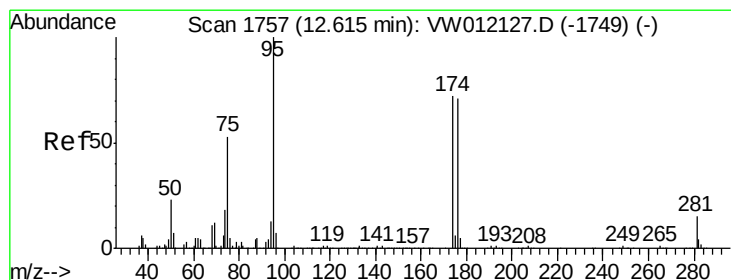
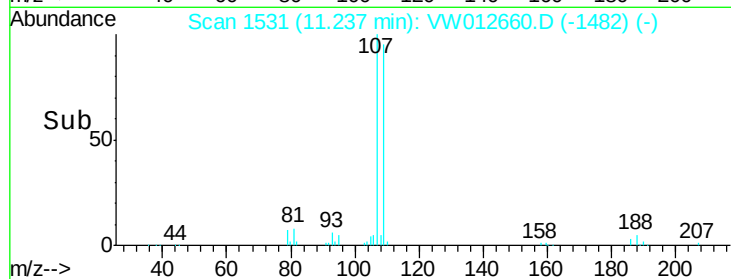
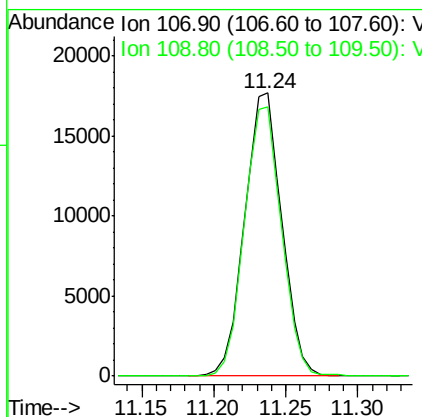
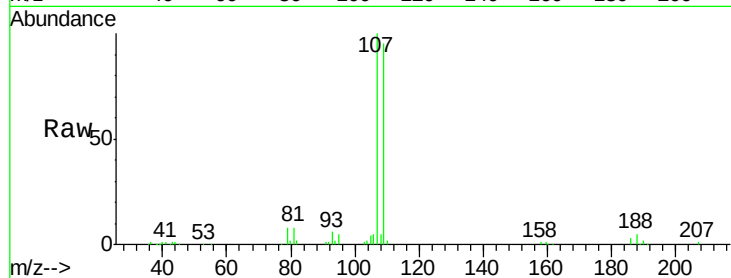
#61
 1,2-Dibromoethane
 Concen: 22.204 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD04

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.4	113.2

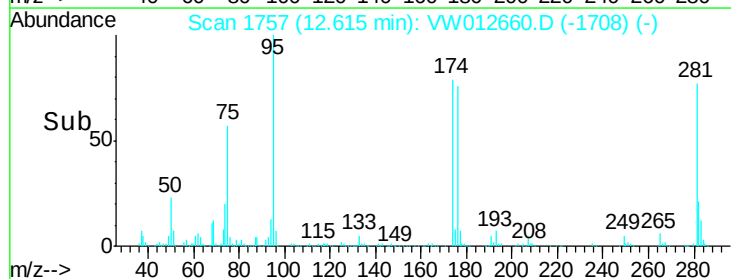
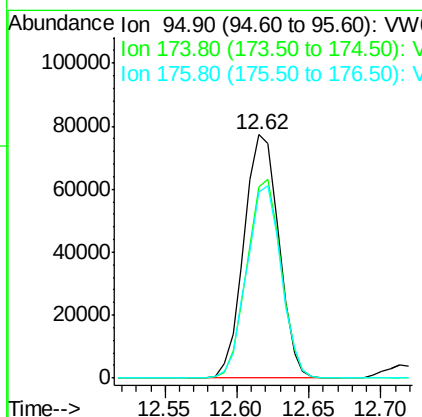
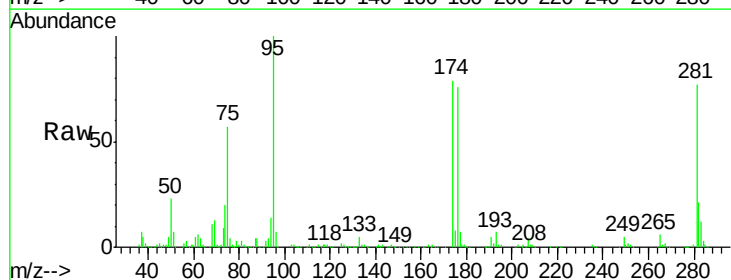
Manual Integrations
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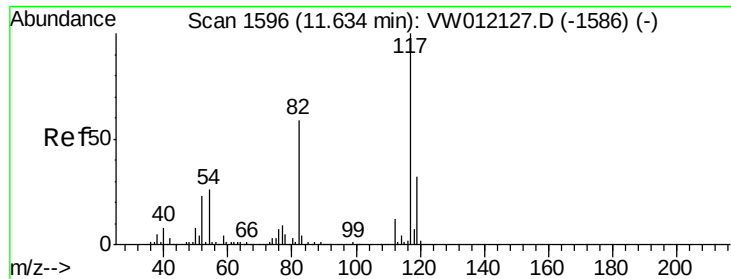
MMDadoda
 9/6/2019 12:29:49 PM



#62
 4-Bromofluorobenzene
 Concen: 47.795 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	150.8
176	77.9	0.0	148.6





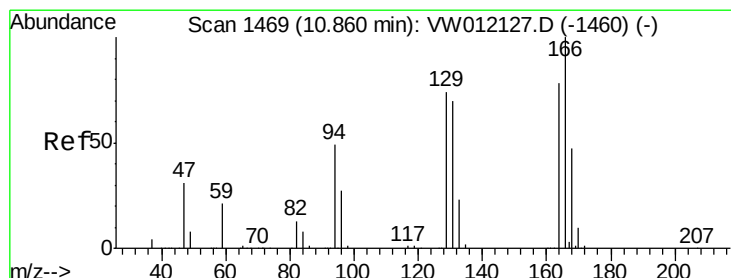
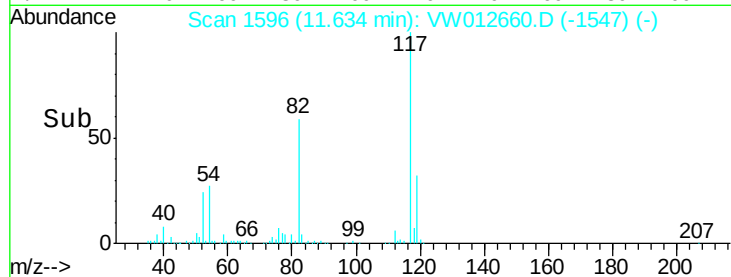
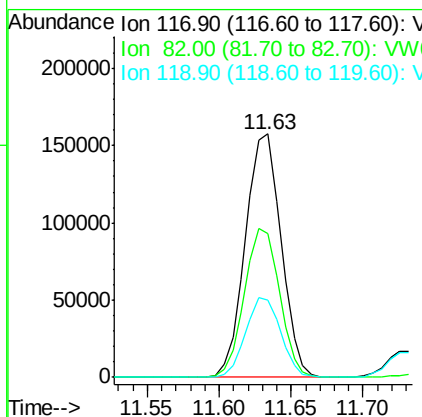
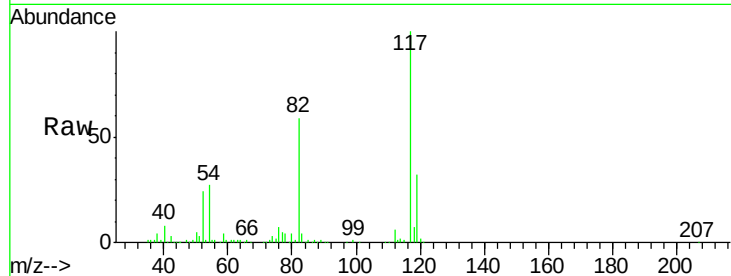
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
117	100	270627		
82	59.0		47.4	71.2
119	31.8		25.4	38.2

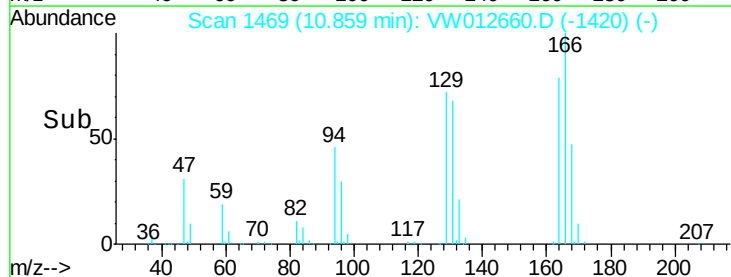
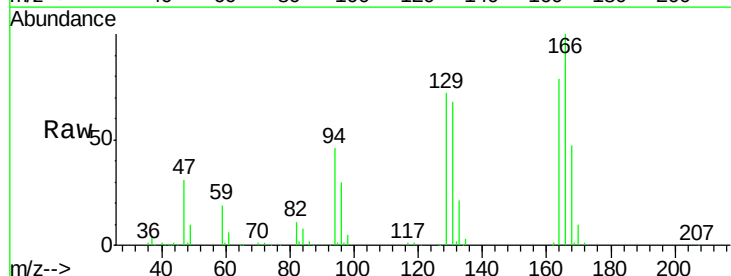
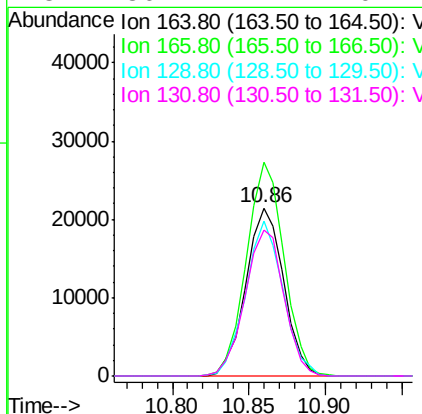
Manual Integrations
APPROVED

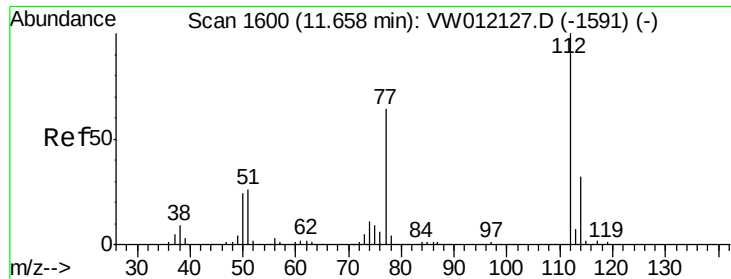
MMDadoda
9/6/2019 12:29:49 PM



#64
Tetrachloroethene
Concen: 21.052 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36936		
166	127.1		102.4	153.6
129	91.9		75.8	113.6
131	86.7		71.4	107.2





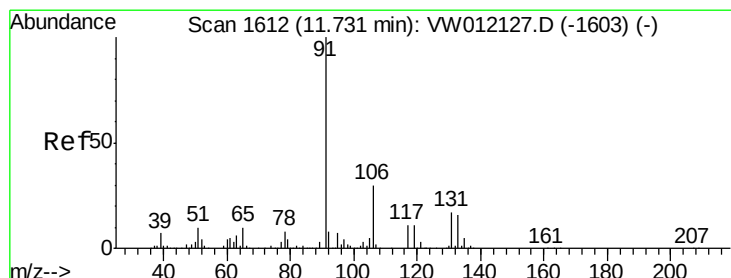
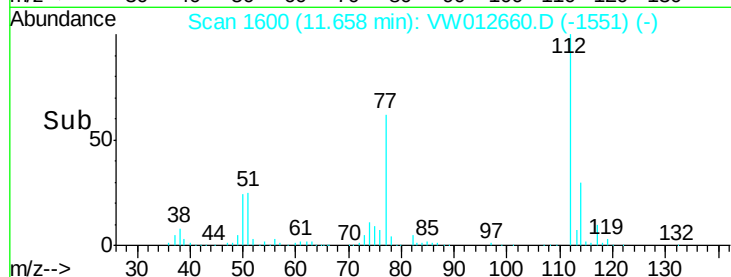
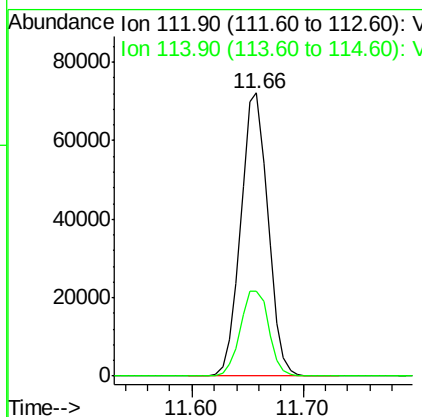
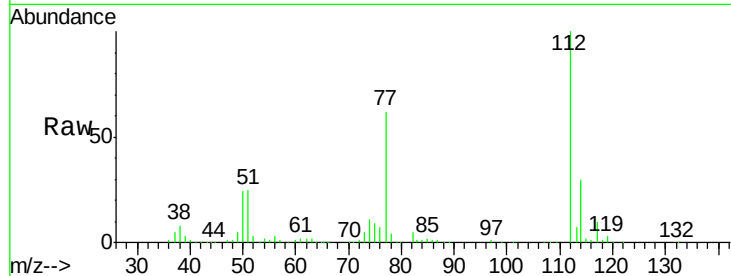
#65
Chlorobenzene
Concen: 23.006 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
112	100	122596		
114	29.9	25.8	38.6	

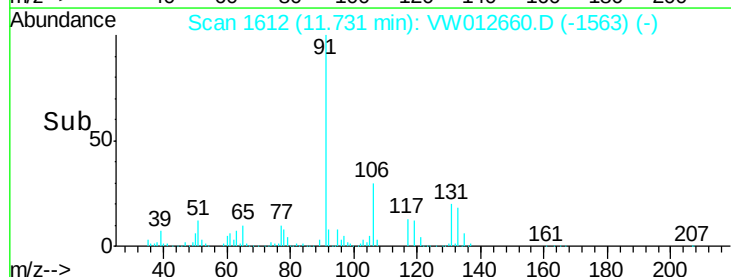
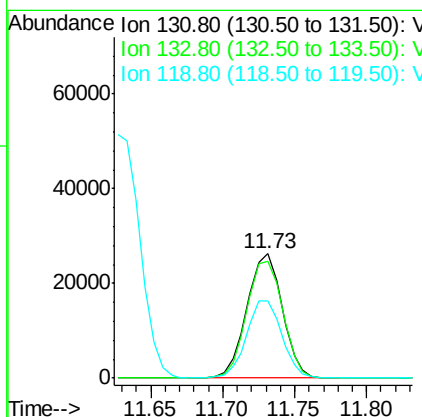
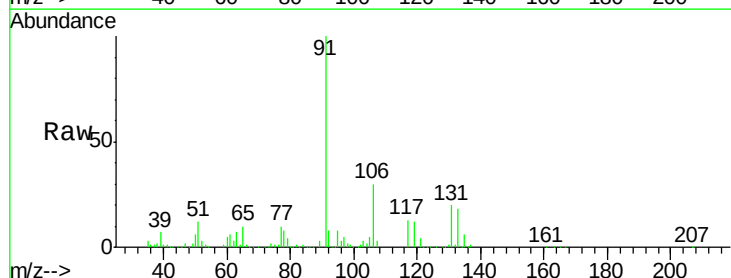
Manual Integrations
APPROVED

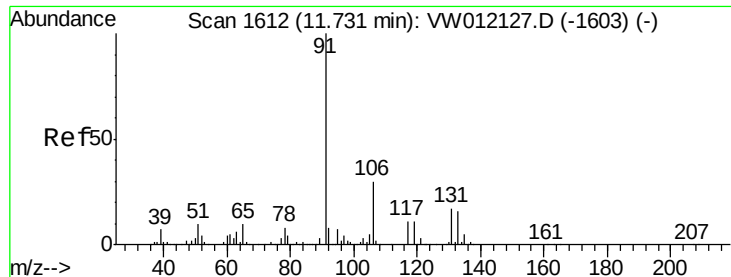
MMDadoda
9/6/2019 12:29:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.052 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	44713		
133	96.4	47.1	141.3	
119	62.2	31.8	95.3	





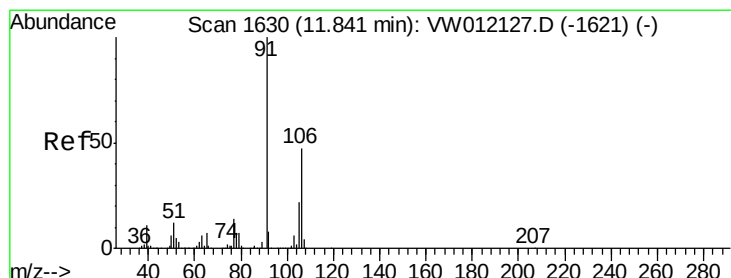
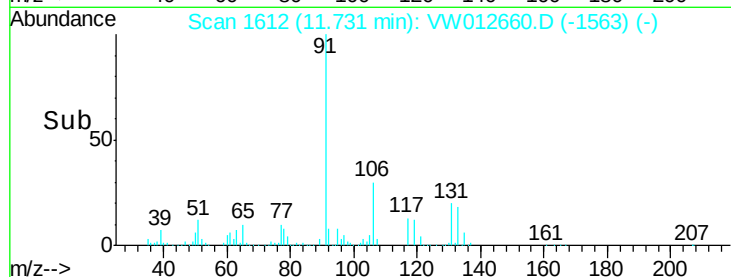
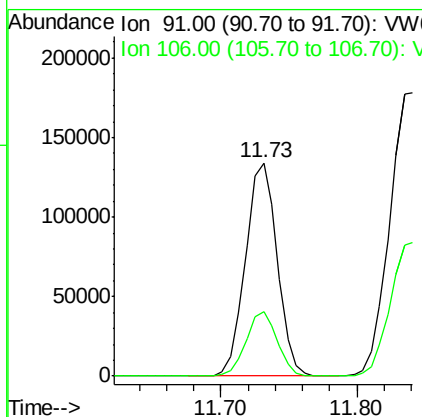
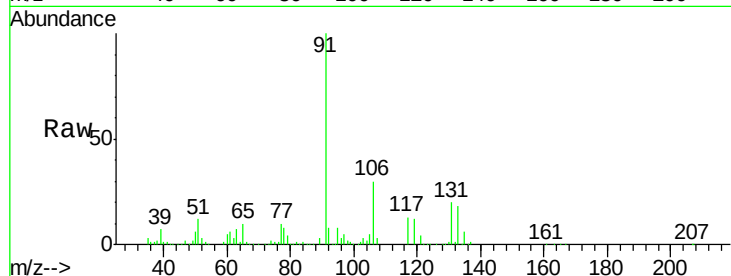
#67
Ethyl Benzene
Concen: 21.379 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		219459		
106	30.1		24.3	36.5	

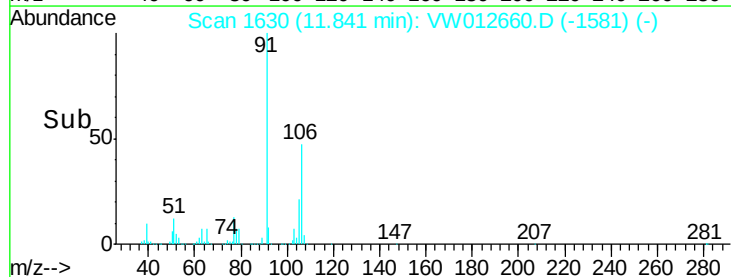
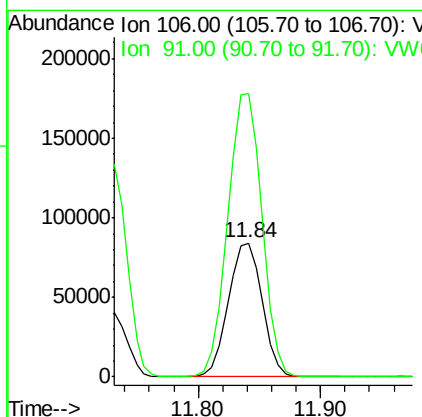
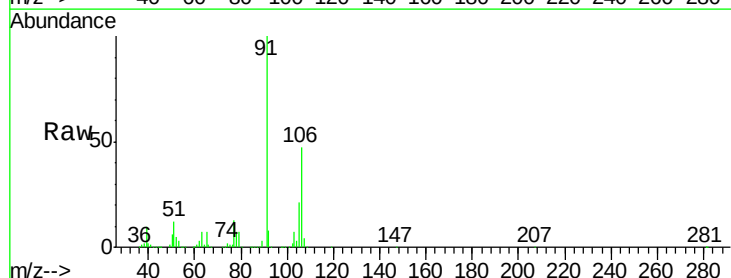
Manual Integrations
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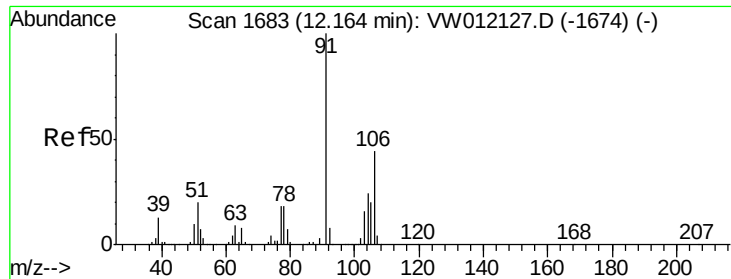
MMDadoda
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#68
m/p-Xylenes
Concen: 43.497 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		160837		
91	213.3		169.5	254.3	





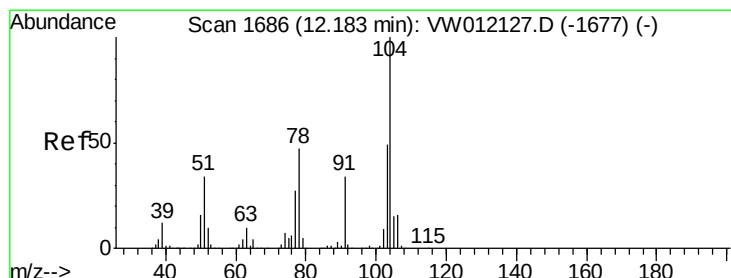
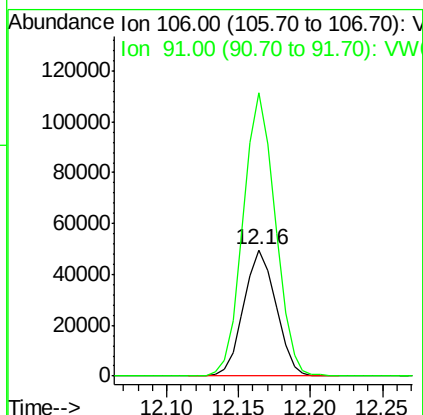
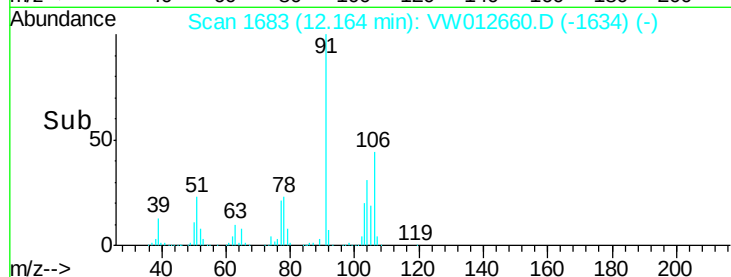
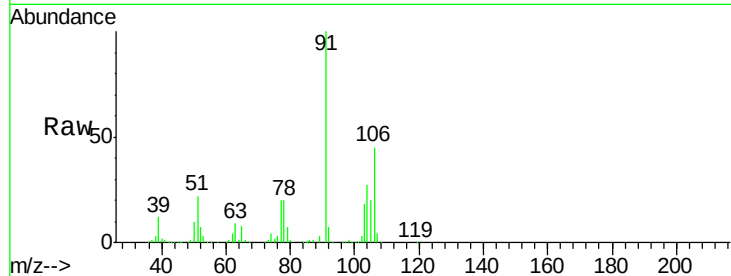
#69
o-Xylene
Concen: 22.487 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion:106 Resp: 76957
Ion Ratio Lower Upper
106 100
91 224.2 111.6 334.6

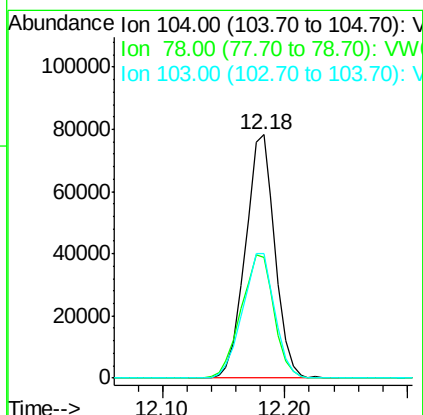
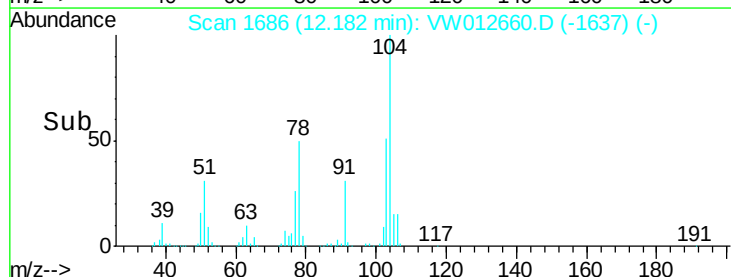
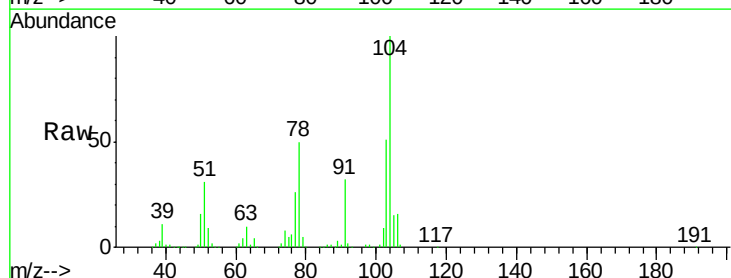
Manual Integrations
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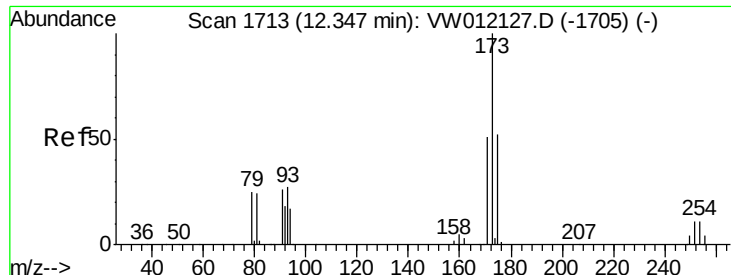
MMDadoda
9/6/2019 12:29:49 PM



#70
Styrene
Concen: 22.107 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion:104 Resp: 130951
Ion Ratio Lower Upper
104 100
78 56.5 43.1 64.7
103 56.2 43.5 65.3





#71

Bromoform

Concen: 26.084 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

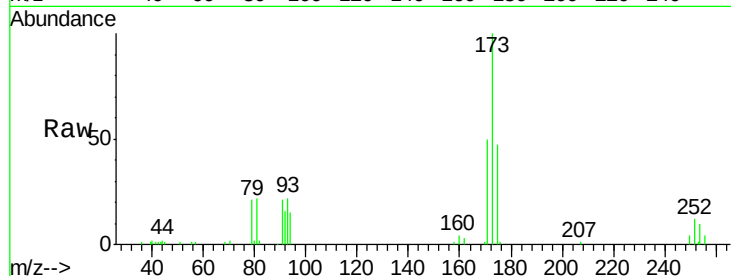
ClientSampleId :

VW0905SBSD04

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.0	0.2	0.2

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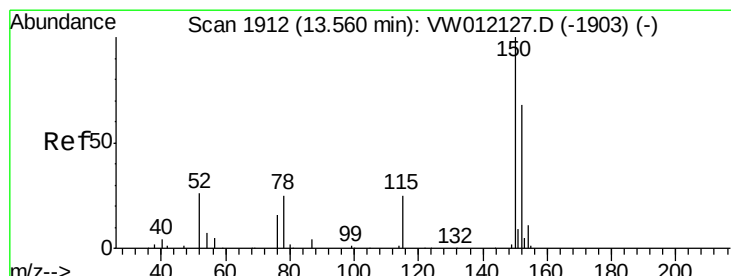
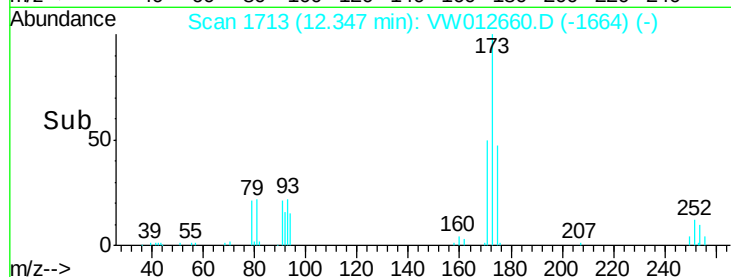
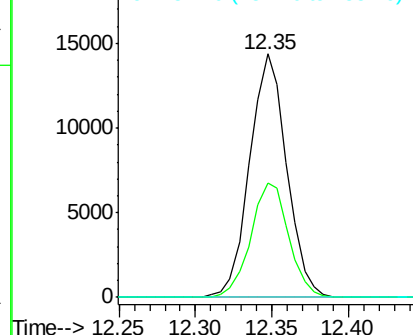


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

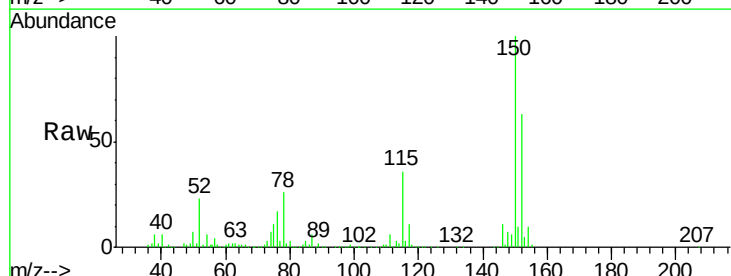
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.1	90.3
150	162.7	0.0	345.8

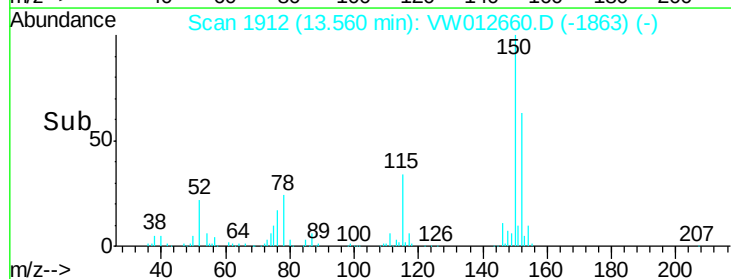
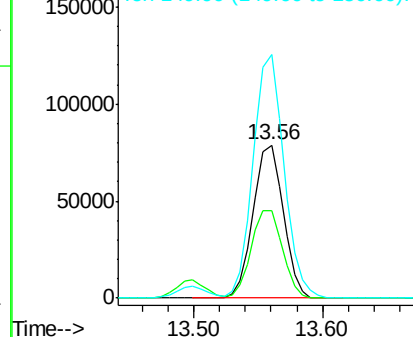


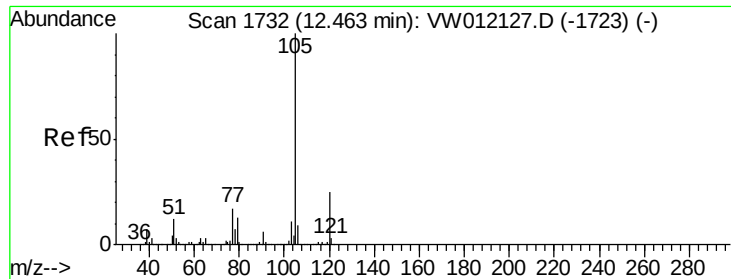
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.311 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD04

Tot Ion:105 Resp: 213416

Ion Ratio Lower Upper

105 100

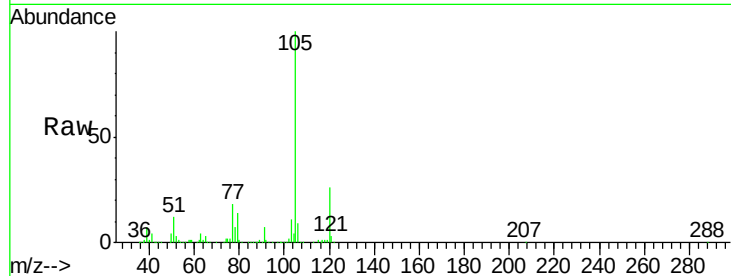
120 25.4 12.5 37.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

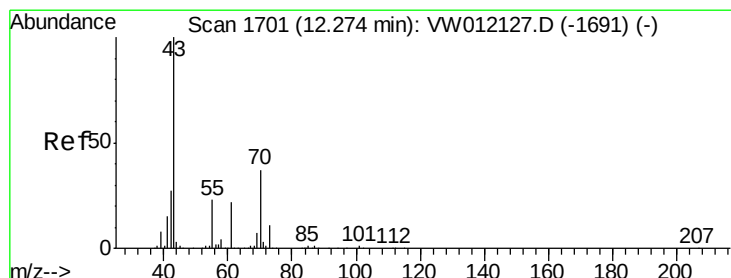
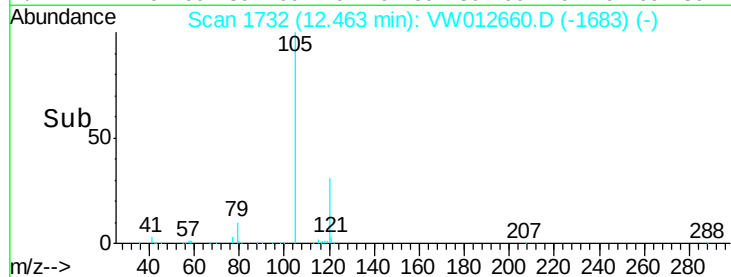
50000

0

12.46

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 23.534 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Tgt Ion: 43 Resp: 68012

Ion Ratio Lower Upper

43 100

70 37.1 28.6 43.0

55 23.8 17.8 26.6

61 21.2 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

60000

40000

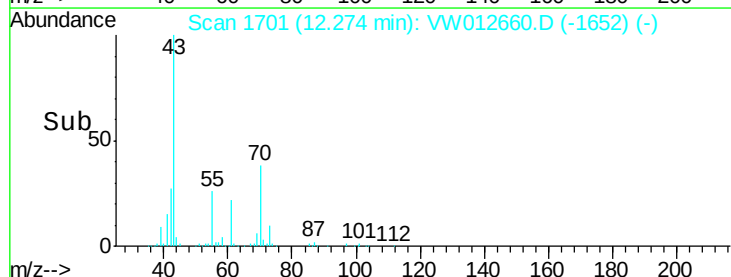
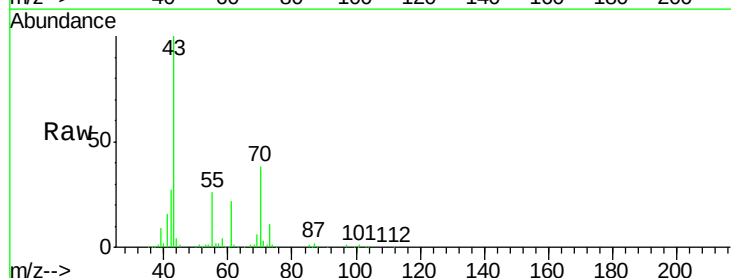
20000

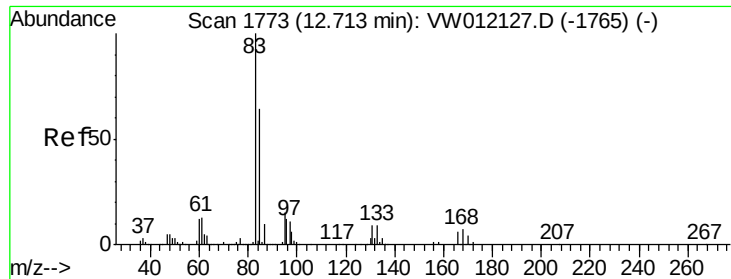
0

12.27

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.621 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

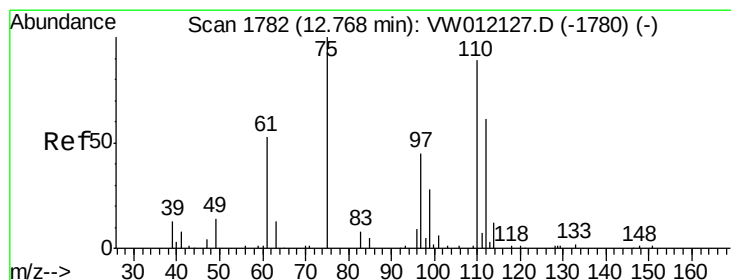
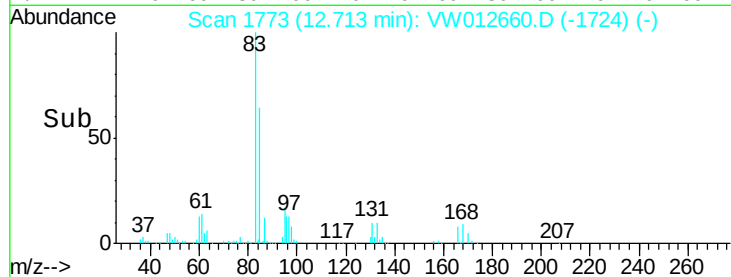
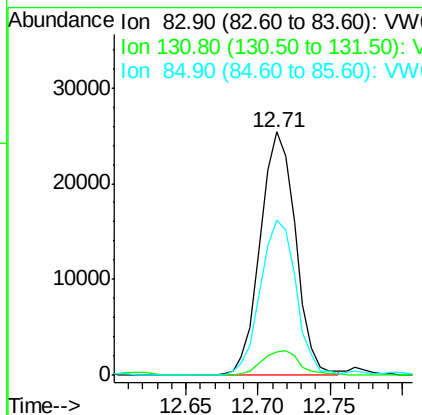
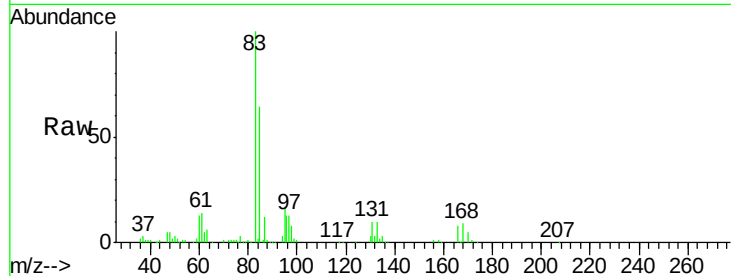
ClientSampleId :

VW0905SBSD04

Tot Ion:	83	Resp:	43175
Ion Ratio	Lower	Upper	
83	100		
131	11.0	4.9	14.7
85	64.4	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 29.559 ug/l m

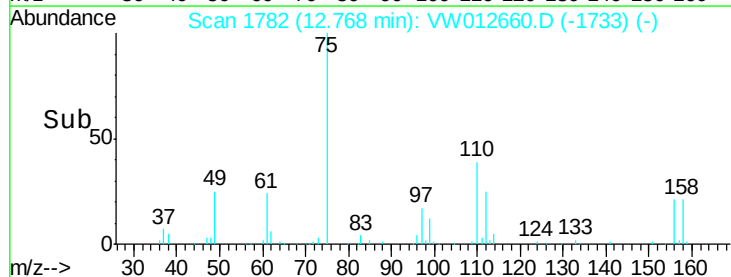
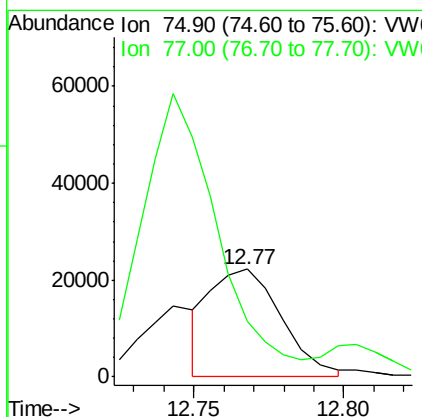
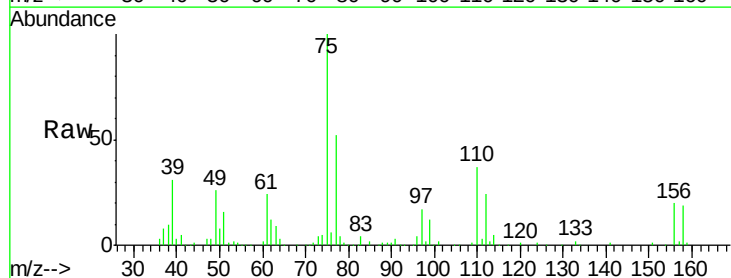
RT: 12.77 min Scan# 1782

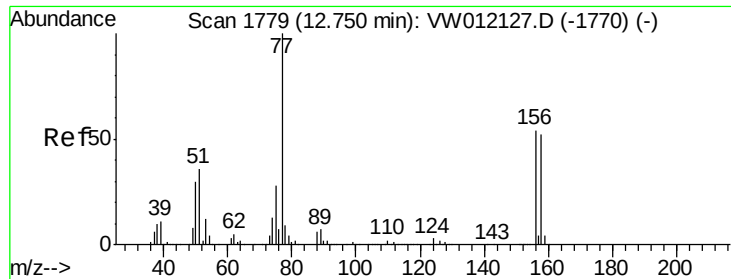
Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Tgt Ion:	75	Resp:	36750
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





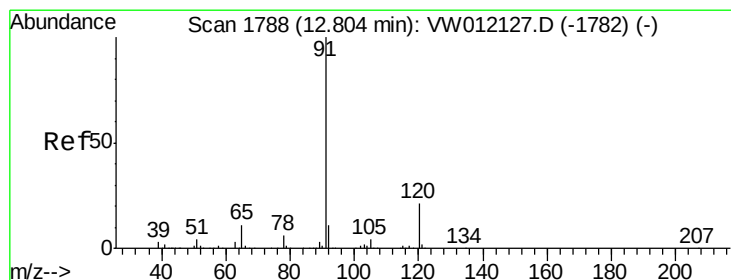
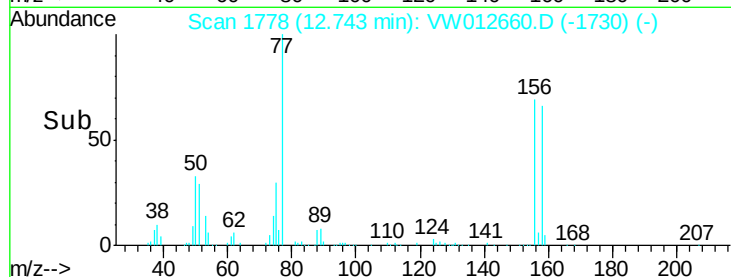
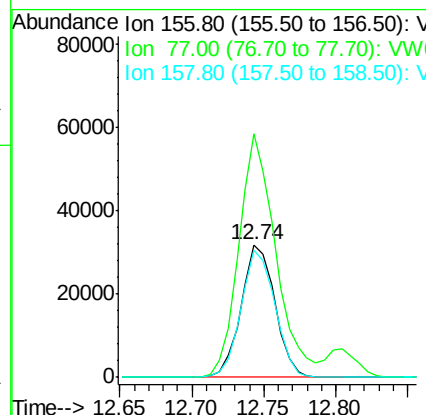
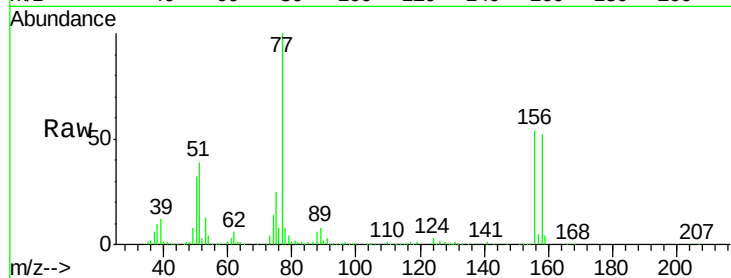
#77
Bromobenzene
Concen: 24.989 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS04

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.8	107.3	321.8
158	96.2	49.0	147.0

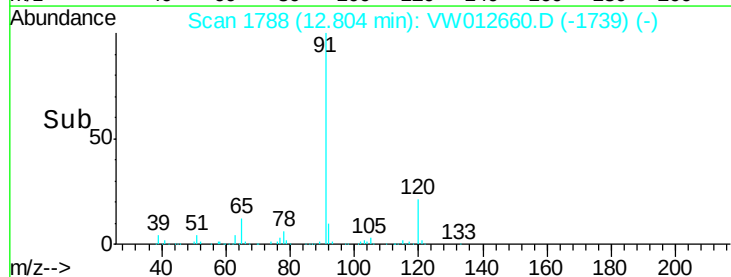
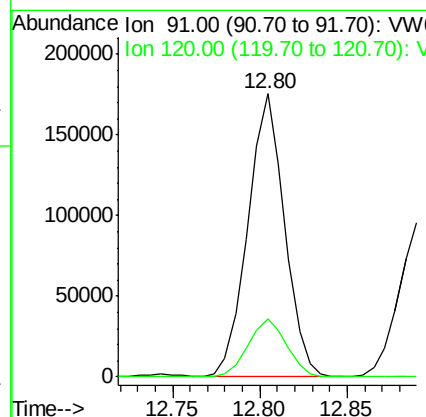
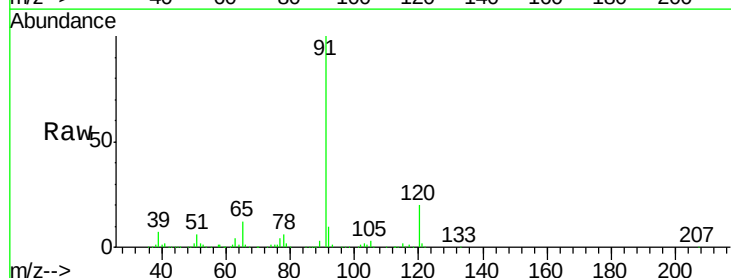
Manual Integrations
APPROVED

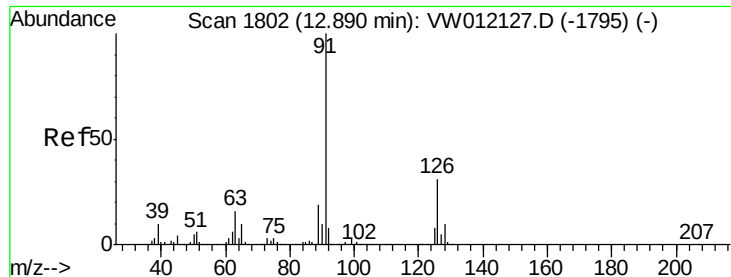
MMDadoda
9/6/2019 12:29:49 PM



#78
n-propylbenzene
Concen: 21.833 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.5	31.6





#79

2-Chlorotoluene

Concen: 23.093 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD04

Tot Ion: 91 Resp: 153098

Ion Ratio Lower Upper

91 100

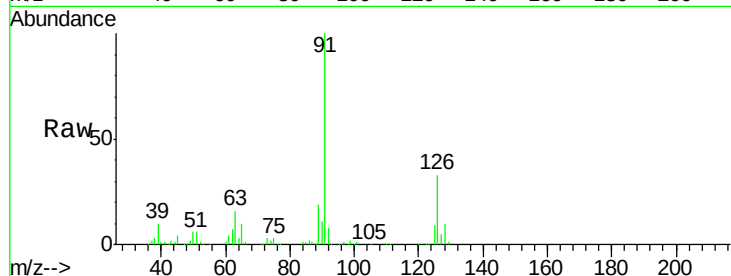
126 32.0 15.7 47.0

Manual Integrations

APPROVED

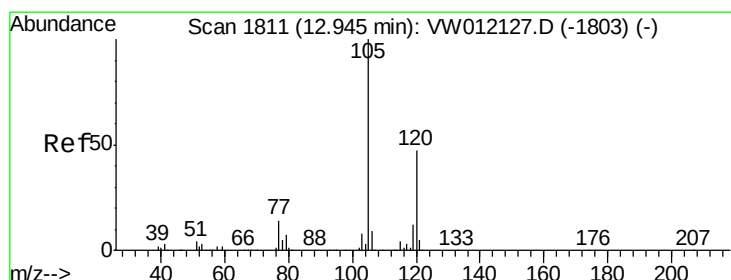
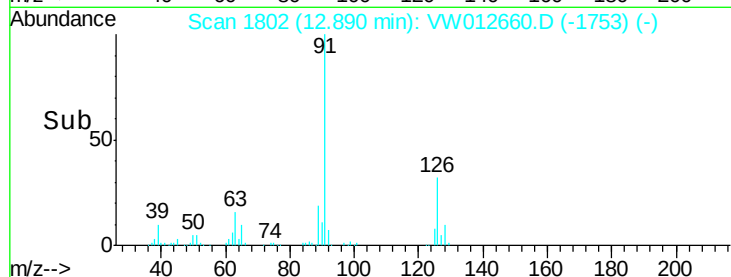
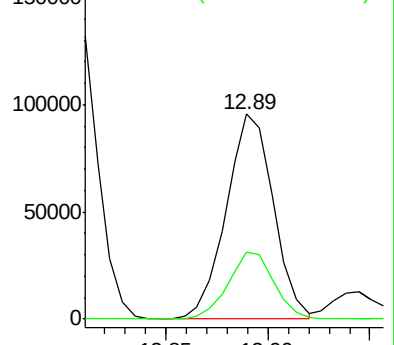
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.731 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012660.D

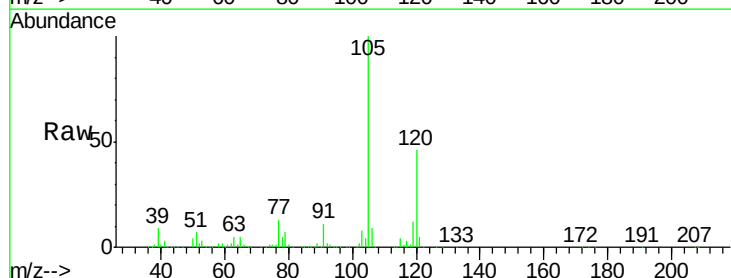
Acq: 06 Sep 2019 00:29

Tgt Ion:105 Resp: 181683

Ion Ratio Lower Upper

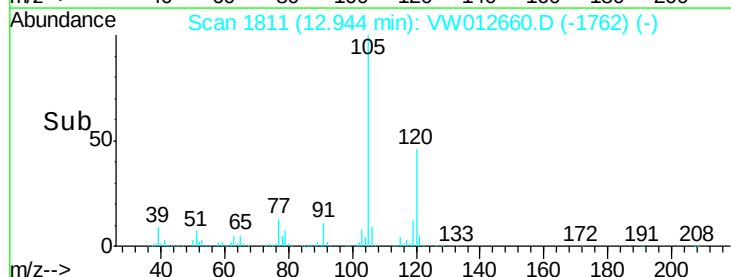
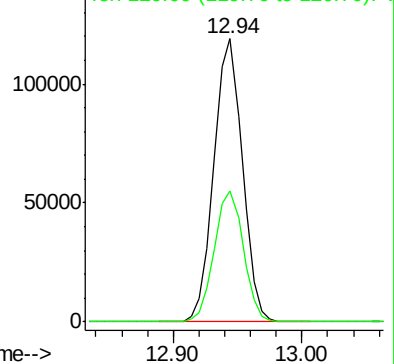
105 100

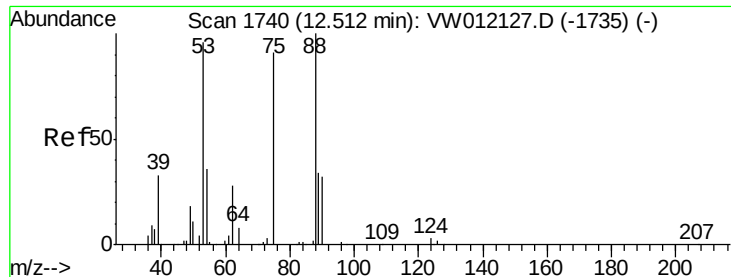
120 47.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





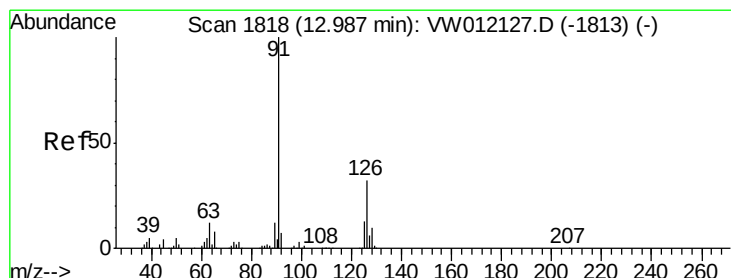
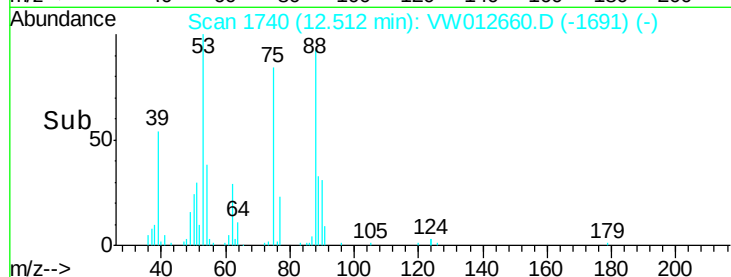
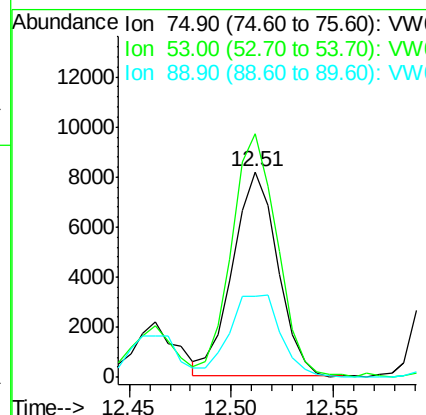
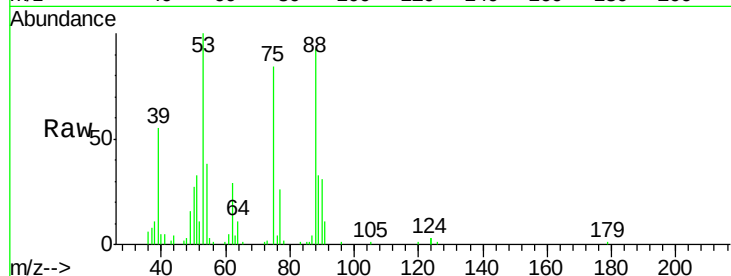
#81
trans-1,4-Dichloro-2-butene
Concen: 21.917 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.9	89.4	134.0
89	47.0	34.5	51.7

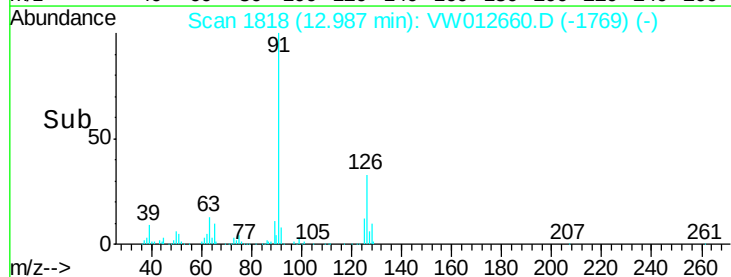
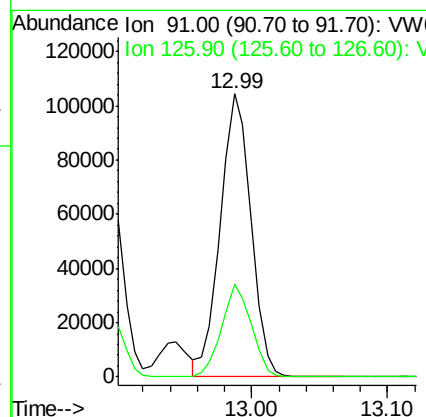
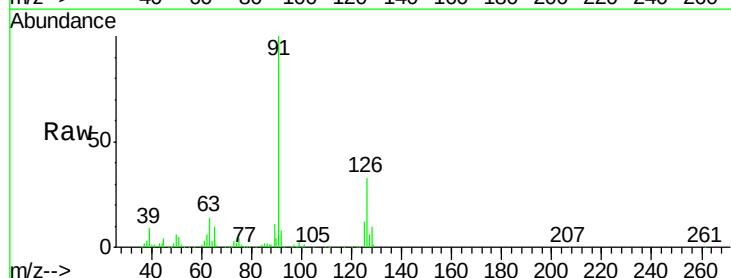
Manual Integrations
APPROVED

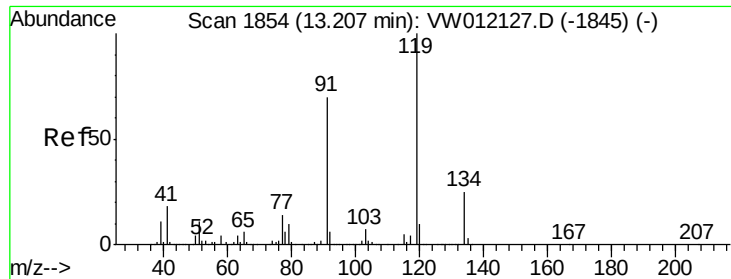
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#82
4-Chlorotoluene
Concen: 23.468 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.8





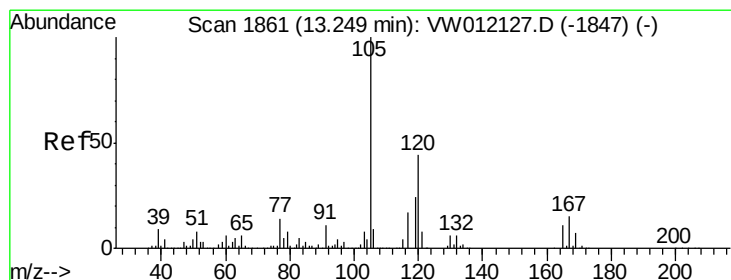
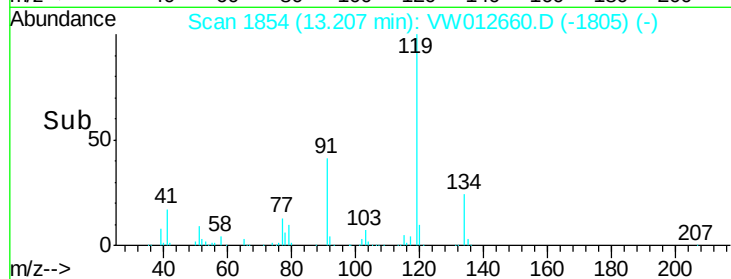
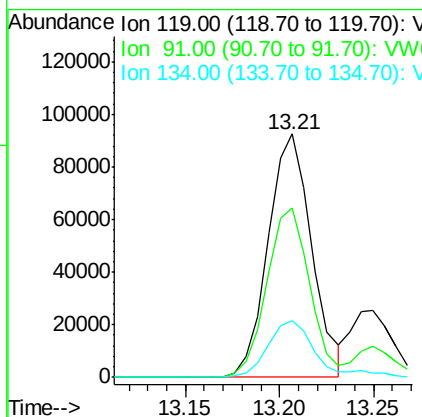
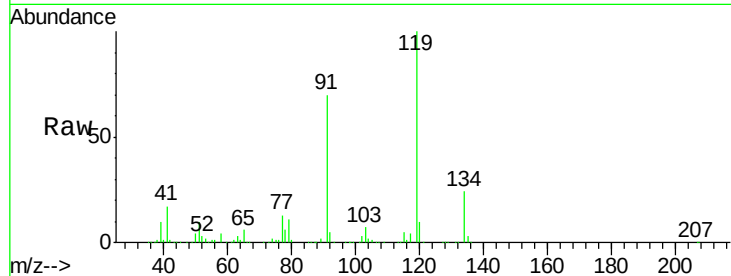
#83
 tert-Butylbenzene
 Concen: 21.906 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS04

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.8	104.3
134	25.9	13.3	39.8

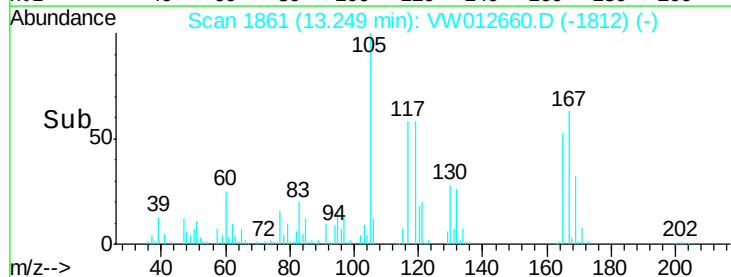
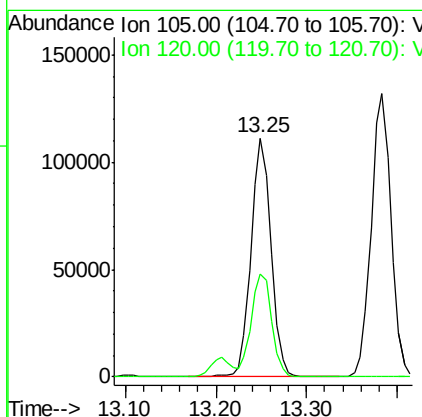
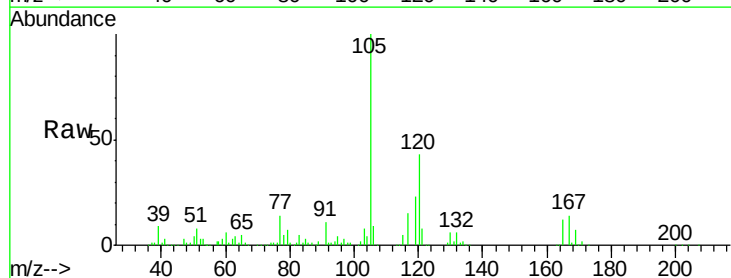
Manual Integrations
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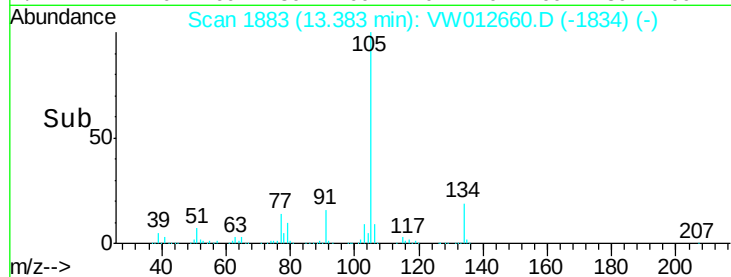
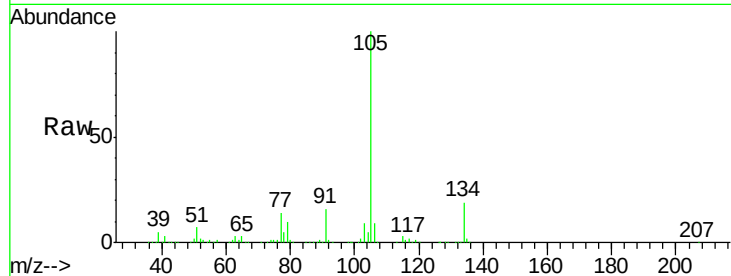
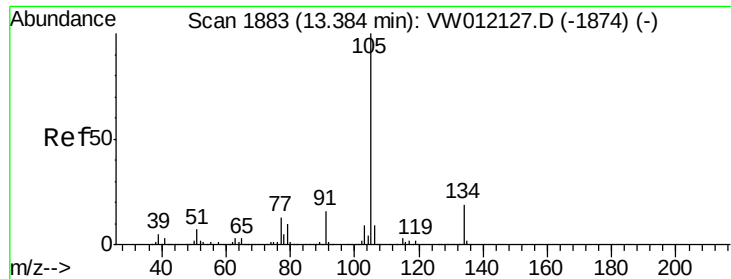
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.207 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





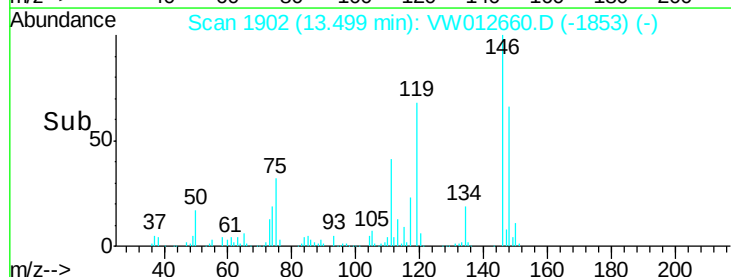
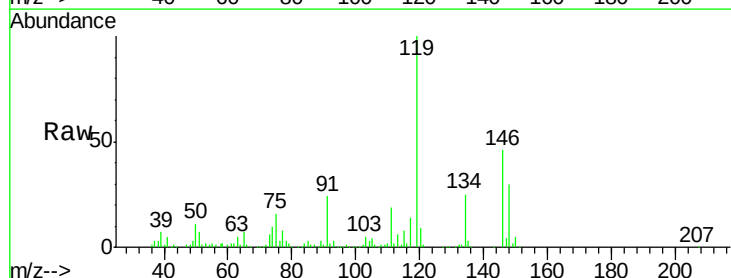
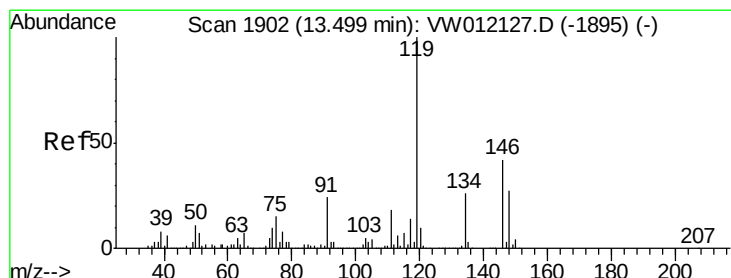
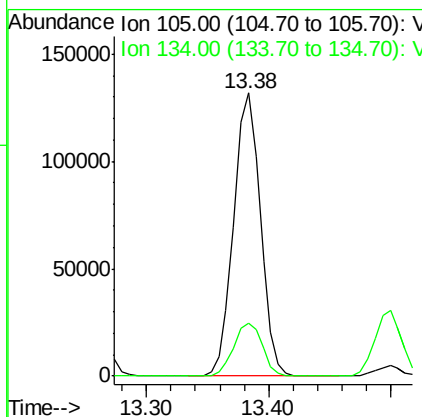
#85
 sec-Butylbenzene
 Concen: 20.557 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
105	100	199405		
134	19.9	9.8	29.4	

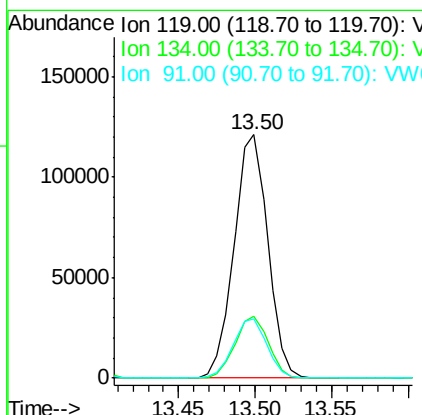
Manual Integrations
 APPROVED

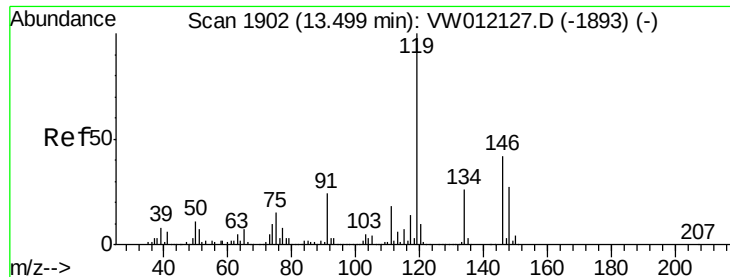
MMDadoda
 9/6/2019 12:29:49 PM



#86
 p-Isopropyltoluene
 Concen: 21.393 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	185322		
134	25.2	12.8	38.3	
91	24.5	12.3	36.9	





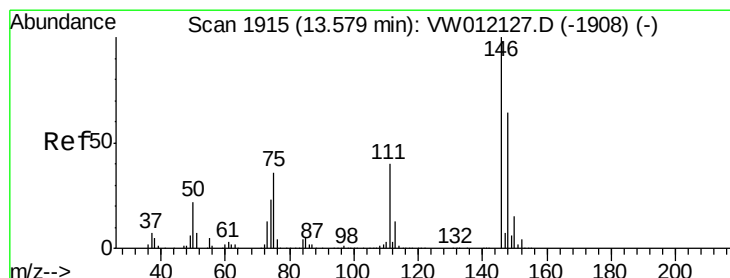
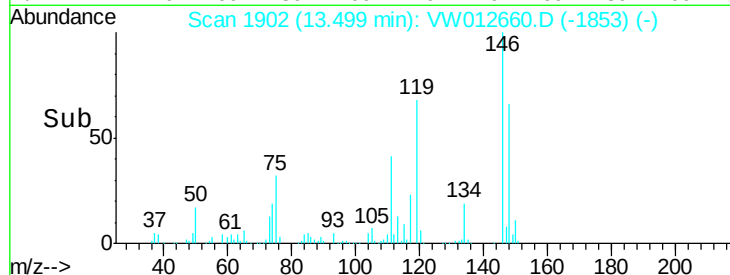
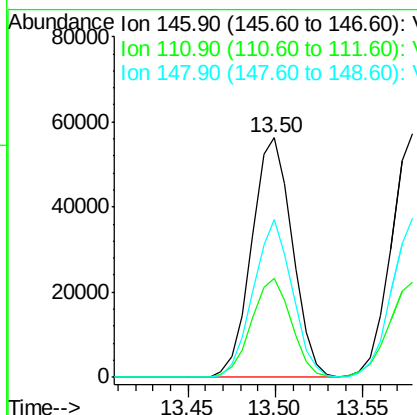
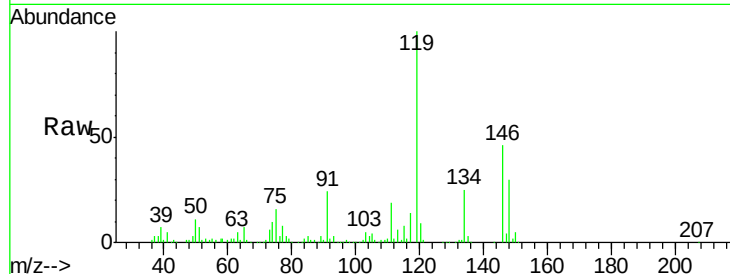
#87
 1,3-Dichlorobenzene
 Concen: 22.437 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
146	100	90814		
111	40.9	20.9	62.7	
148	63.2	32.2	96.6	

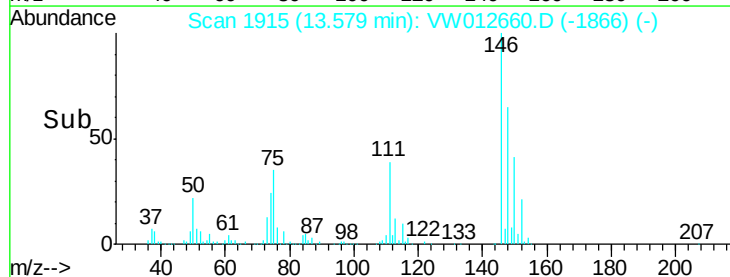
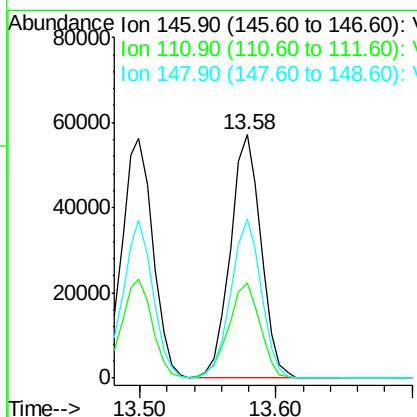
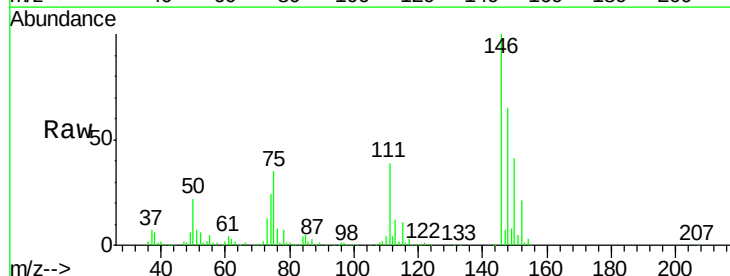
Manual Integrations
 APPROVED

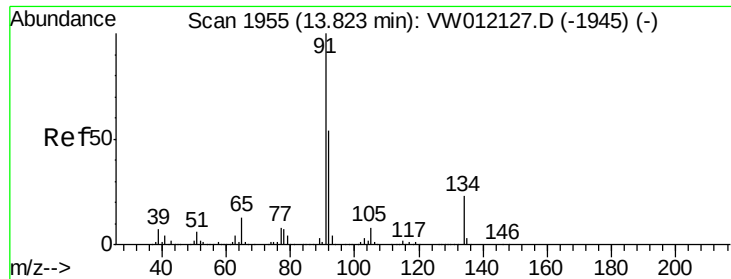
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 22.305 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	89641		
111	40.5	20.0	60.0	
148	65.0	32.1	96.3	





#89

n-Butylbenzene

Concen: 19.974 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Instrument :

MSVOA_W

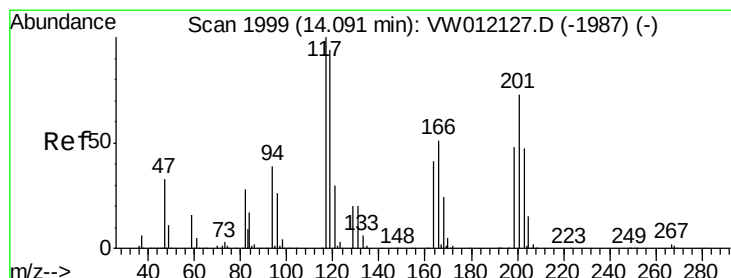
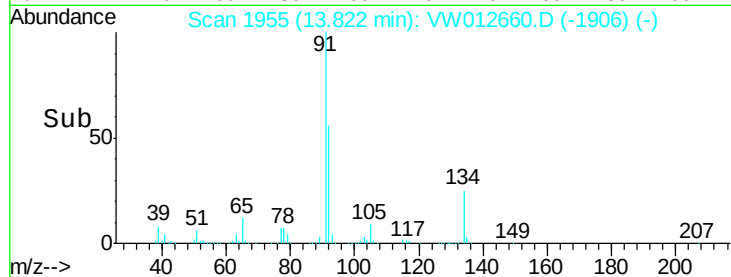
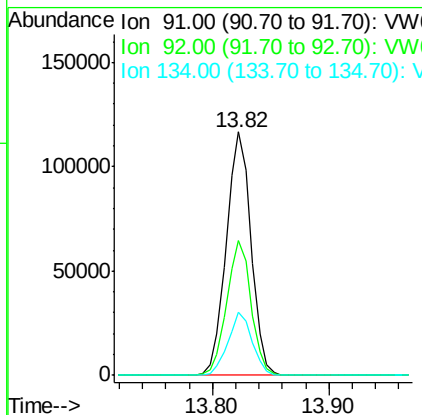
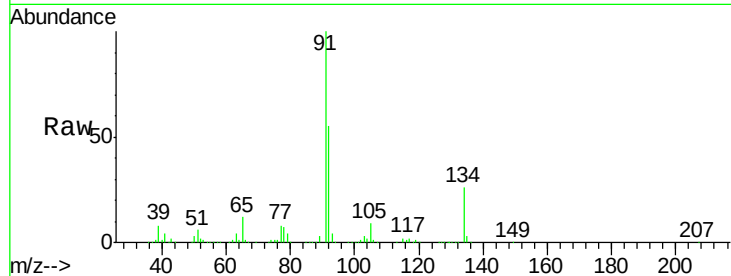
ClientSampleId :

VW0905SBSD04

Tot Ion:	91	Resp:	172068
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	25.2	12.2	36.4

Manual Integrations
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#90

Hexachloroethane

Concen: 22.211 ug/l

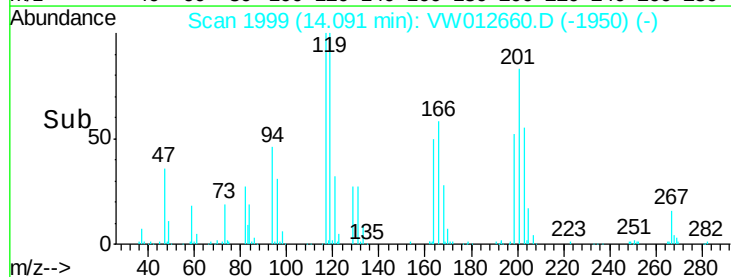
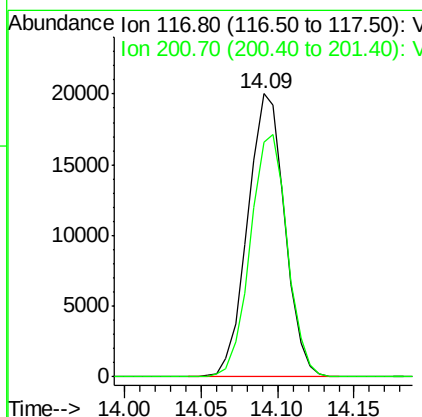
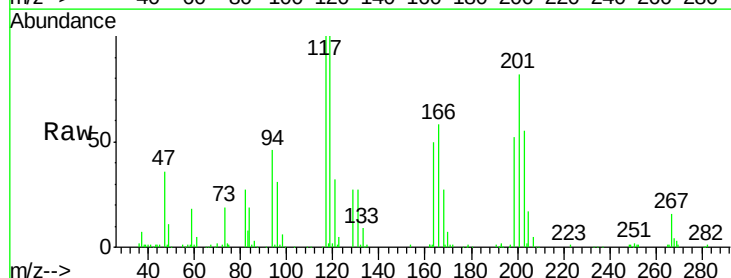
RT: 14.09 min Scan# 1999

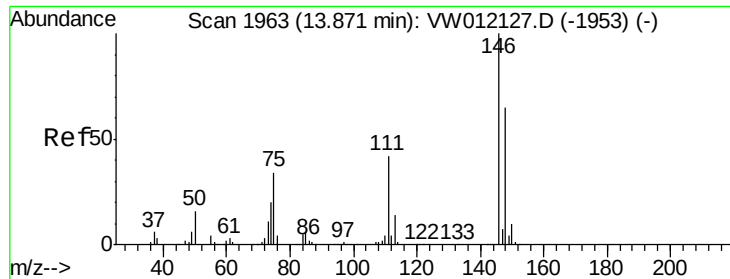
Delta R.T. -0.00 min

Lab File: VW012660.D

Acq: 06 Sep 2019 00:29

Tgt Ion:	117	Resp:	33757
Ion	Ratio	Lower	Upper
117	100		
201	85.5	38.6	115.7





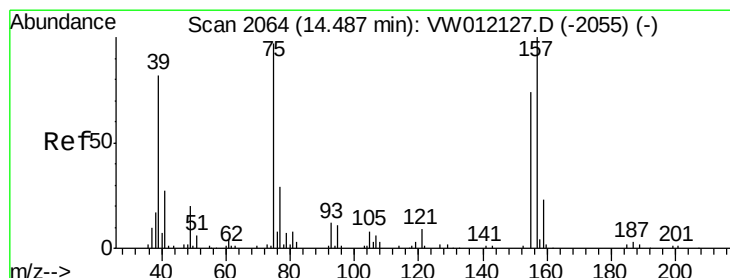
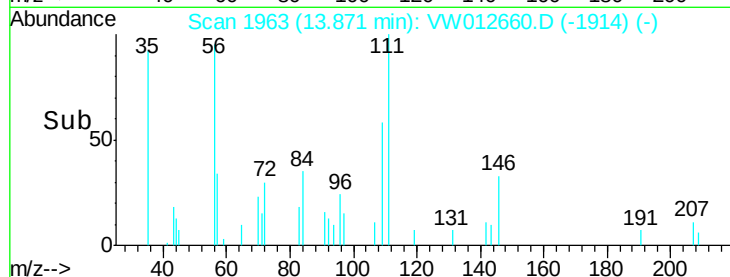
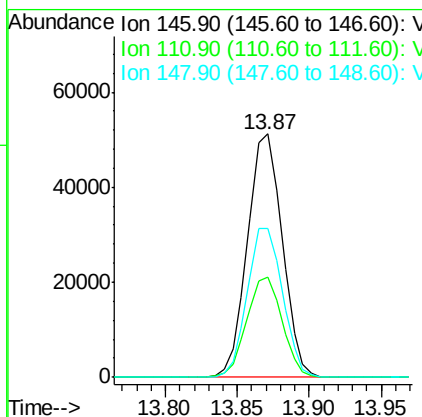
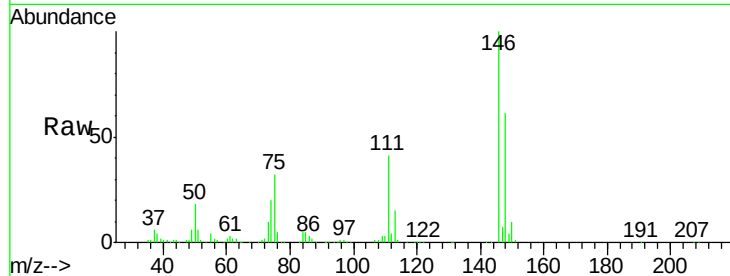
#91
 1,2-Dichlorobenzene
 Concen: 24.097 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	62.4	32.5	97.4

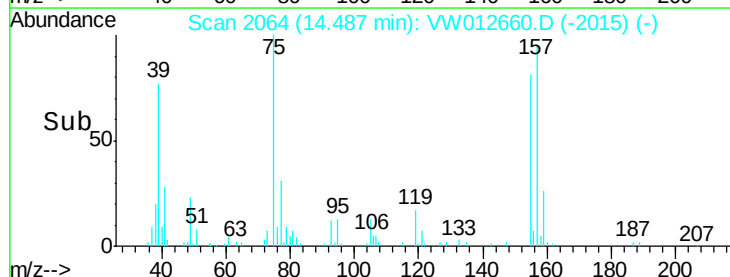
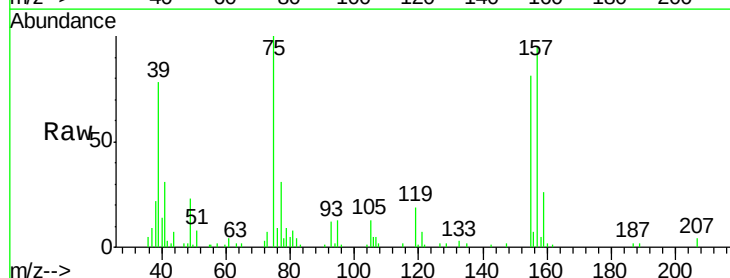
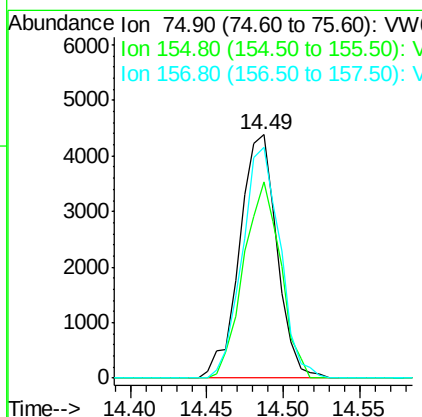
Manual Integrations
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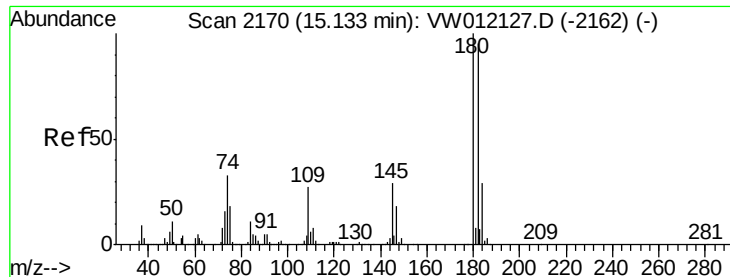
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.234 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	37.5	112.3
157	95.7	50.5	151.5





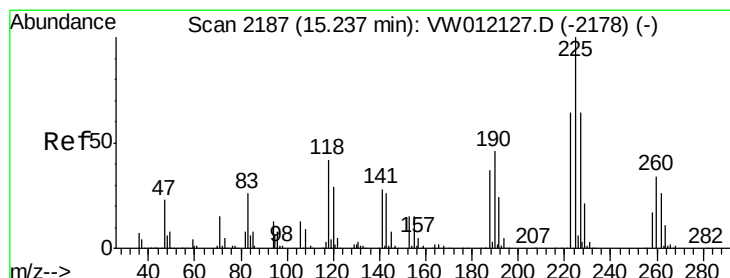
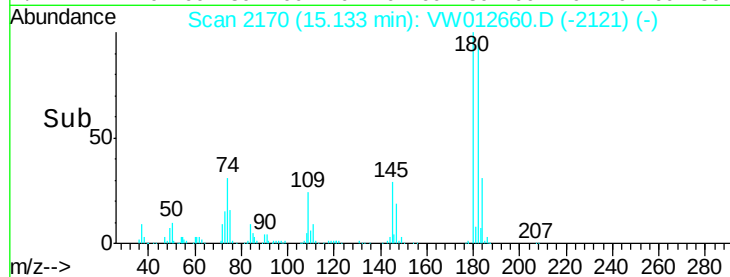
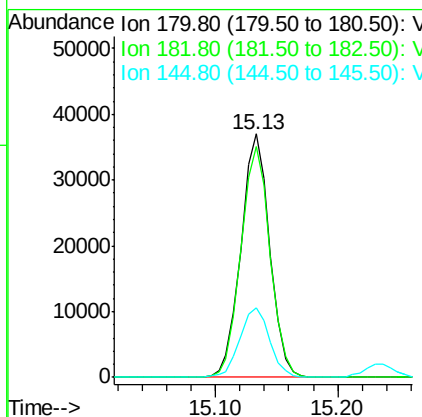
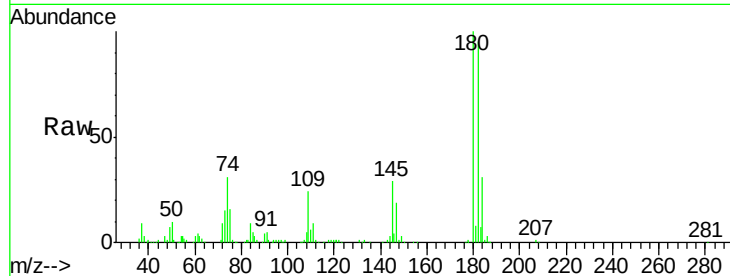
#93
 1,2,4-Trichlorobenzene
 Concen: 24.540 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60216		
182	96.3		47.8	143.4
145	29.7		15.0	45.1

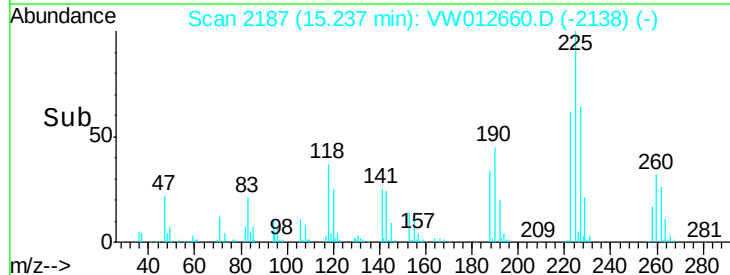
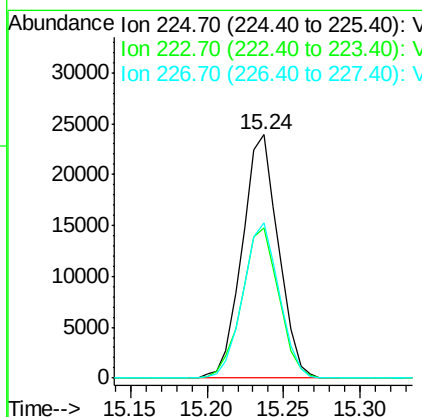
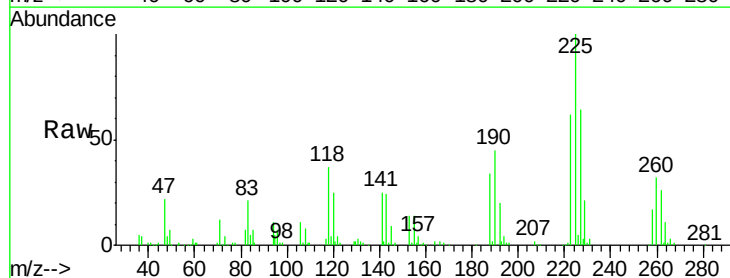
Manual Integrations
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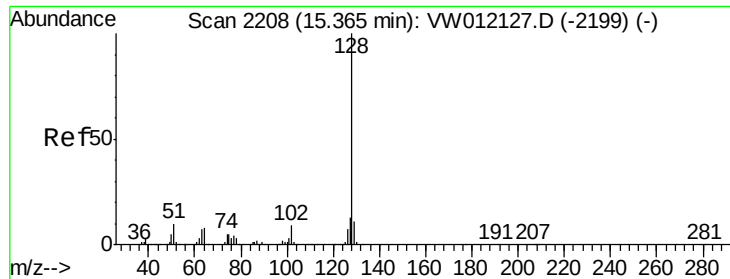
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 24.259 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012660.D
 Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39305		
223	62.7		32.3	96.8
227	63.6		32.9	98.6





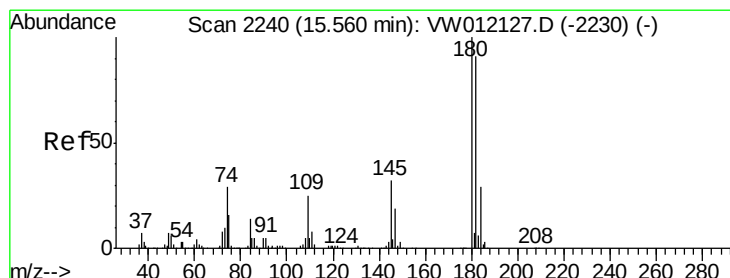
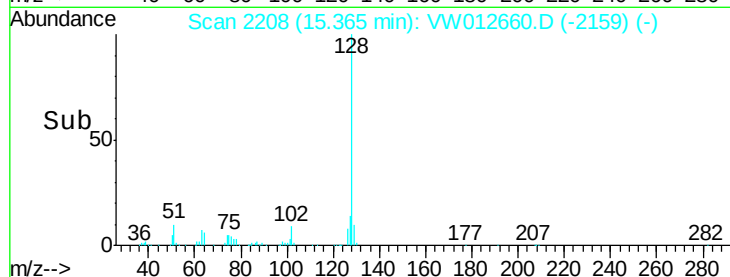
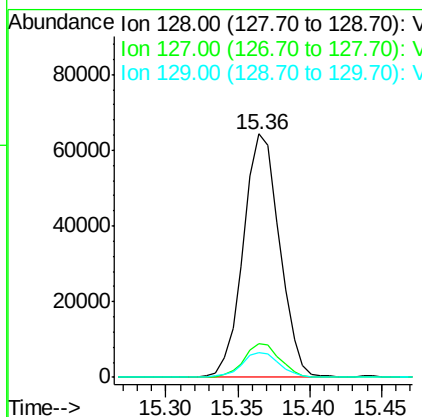
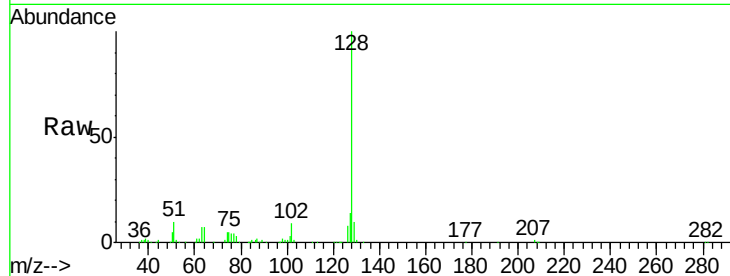
#95
Naphthalene
Concen: 25.624 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
128	100	112280		
127	13.9	10.7	16.1	
129	10.6	8.7	13.1	

Manual Integrations
APPROVED

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9/6/2019 12:29:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 25.390 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012660.D
Acq: 06 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54358		
182	97.4	47.1	141.3	
145	33.1	16.2	48.5	

