

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007846.D
 Acq On : 22 Dec 2018 16:44
 Operator : SY/AP
 Sample : VW1224SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 3:18:35 PM

Quant Time: Dec 24 01:57:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	60010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	95837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	84662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	41356	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	28835	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	
35) Dibromofluoromethane	7.88	113	25806	44.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.28%	
50) Toluene-d8	10.32	98	104176	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
62) 4-Bromofluorobenzene	12.62	95	38962	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	9452	17.717	ug/l	99
3) Chloromethane	2.21	50	7014	21.411	ug/l	95
4) Vinyl Chloride	2.36	62	10555	25.311	ug/l	92
5) Bromomethane	2.78	94	6936	23.880	ug/l	95
6) Chloroethane	2.93	64	5573	24.980	ug/l	96
7) Trichlorofluoromethane	3.26	101	10819	24.920	ug/l	98
8) Diethyl Ether	3.68	74	5326	20.029	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.07	101	11798	18.452	ug/l	97
10) Methyl Iodide	4.26	142	18642	18.334	ug/l	95
11) Tert butyl alcohol	5.17	59	4579	103.201	ug/l	95
12) 1,1-Dichloroethene	4.03	96	11232	18.971	ug/l	92
13) Acrolein	3.89	56	3640	102.604	ug/l	89
14) Allyl chloride	4.67	41	16352	21.061	ug/l	92
15) Acrylonitrile	5.37	53	12398	109.299	ug/l	99
16) Acetone	4.12	43	12148	98.630	ug/l	# 90
17) Carbon Disulfide	4.37	76	32637	17.813	ug/l	98
18) Methyl Acetate	4.67	43	6291	21.477	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	21501	25.295	ug/l	96
20) Methylene Chloride	4.90	84	18168	26.537	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	11911	18.292	ug/l	90
22) Diisopropyl ether	6.31	45	31459	21.639	ug/l	99
23) Vinyl Acetate	6.26	43	92746	107.375	ug/l	96
24) 1,1-Dichloroethane	6.21	63	20587	19.249	ug/l	96
25) 2-Butanone	7.17	43	15449	107.088	ug/l	100
26) 2,2-Dichloropropane	7.17	77	18081	23.103	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	13105	18.890	ug/l	97
28) Bromochloromethane	7.51	49	6384	17.507	ug/l	90
29) Tetrahydrofuran	7.53	42	9798	113.862	ug/l	94
30) Chloroform	7.68	83	21642	17.881	ug/l	98
31) Cyclohexane	7.95	56	20973	21.420	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	21072	19.116	ug/l	98
36) 1,1-Dichloropropene	8.09	75	18203	19.679	ug/l	99
37) Ethyl Acetate	7.26	43	7231	22.651	ug/l	97
38) Carbon Tetrachloride	8.07	117	18306	16.804	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	23863	20.761	ug/l	95
40) Benzene	8.32	78	48431	19.621	ug/l	96
41) Methacrylonitrile	7.48	41	4077	22.495	ug/l	97
42) 1,2-Dichloroethane	8.40	62	15027	18.166	ug/l	99
43) Isopropyl Acetate	8.43	43	13487	21.088	ug/l	99
44) Trichloroethene	9.09	130	14350	19.224	ug/l	97
45) 1,2-Dichloropropane	9.37	63	11195	20.440	ug/l	94
46) Dibromomethane	9.46	93	6404	18.995	ug/l	97
47) Bromodichloromethane	9.65	83	15155	17.098	ug/l #	96
48) Methyl methacrylate	9.44	41	7467m	23.390	ug/l	
49) 1,4-Dioxane	9.45	88	1996	373.408	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	33148	109.669	ug/l	100
52) Toluene	10.39	92	41730	25.198	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	16650	18.886	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	18890	19.398	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	9270	19.944	ug/l	94
56) Ethyl methacrylate	10.65	69	11524	20.985	ug/l	94
57) 1,3-Dichloropropane	10.93	76	15262	19.774	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	26149	104.292	ug/l	99
59) 2-Hexanone	10.97	43	23683	111.414	ug/l	99
60) Dibromochloromethane	11.13	129	10032	16.301	ug/l	99
61) 1,2-Dibromoethane	11.24	107	9115	19.366	ug/l	98
64) Tetrachloroethene	10.87	164	11181	18.650	ug/l	97
65) Chlorobenzene	11.66	112	35415	19.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	11717	17.895	ug/l	98
67) Ethyl Benzene	11.73	91	64715	20.581	ug/l	100
68) m/p-Xylenes	11.84	106	51904	42.552	ug/l	98
69) o-Xylene	12.17	106	23025	20.137	ug/l	96
70) Styrene	12.18	104	37263	19.826	ug/l	99
71) Bromoform	12.35	173	5364	15.781	ug/l #	95
73) Isopropylbenzene	12.47	105	64966	20.782	ug/l	97
74) N-amyl acetate	12.27	43	12480	23.048	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10116	21.583	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	8385m	26.232	ug/l	
77) Bromobenzene	12.75	156	14009	19.554	ug/l	94
78) n-propylbenzene	12.81	91	73805	20.282	ug/l	97
79) 2-Chlorotoluene	12.90	91	43364	20.456	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	54116	20.069	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3008	19.753	ug/l	95
82) 4-Chlorotoluene	12.99	91	45281	20.061	ug/l	99
83) tert-Butylbenzene	13.21	119	48515	20.506	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	56468	20.754	ug/l	99
85) sec-Butylbenzene	13.39	105	66047	20.256	ug/l	100
86) p-Isopropyltoluene	13.51	119	58830	19.842	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	28293	19.891	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	28125	19.767	ug/l	99
89) n-Butylbenzene	13.83	91	54415	20.016	ug/l	99
90) Hexachloroethane	14.10	117	8178	15.711	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	25012	19.640	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1812	18.825	ug/l	99

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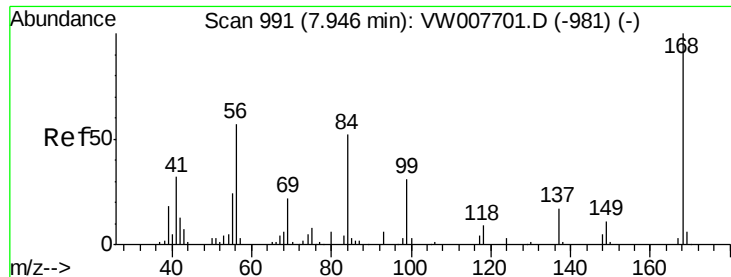
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	17264	19.529	ug/l	97
94) Hexachlorobutadiene	15.24	225	8894	18.825	ug/l	98
95) Naphthalene	15.37	128	35201	21.537	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	14353	18.967	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion:168 Resp: 60010

Ion Ratio Lower Upper

168 100

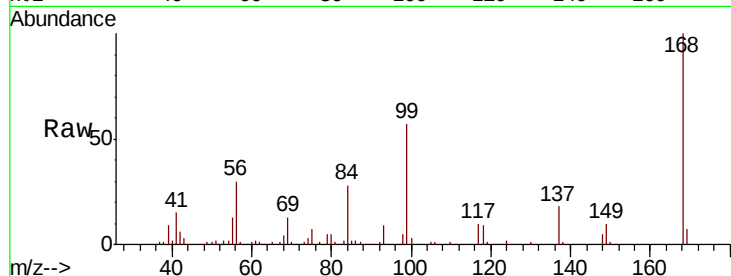
99 57.1 54.0 81.0

Manual Integrations

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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

30000

25000

20000

15000

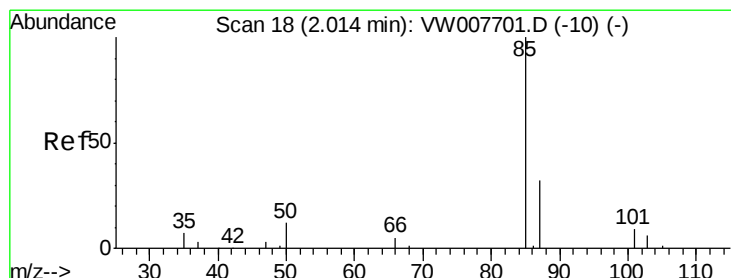
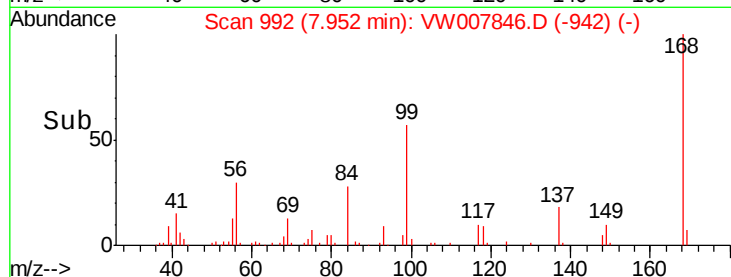
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 17.717 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007846.D

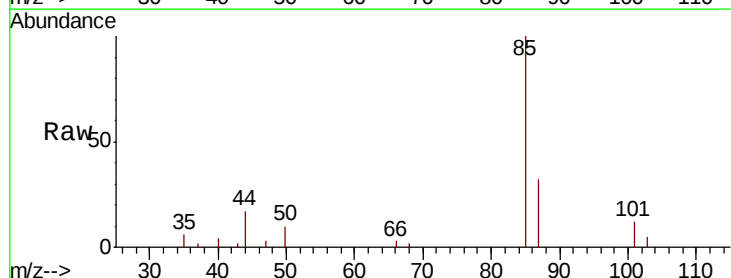
Acq: 22 Dec 2018 16:44

Tgt Ion: 85 Resp: 9452

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

3000

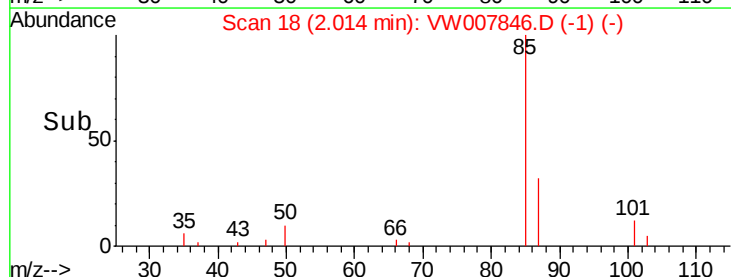
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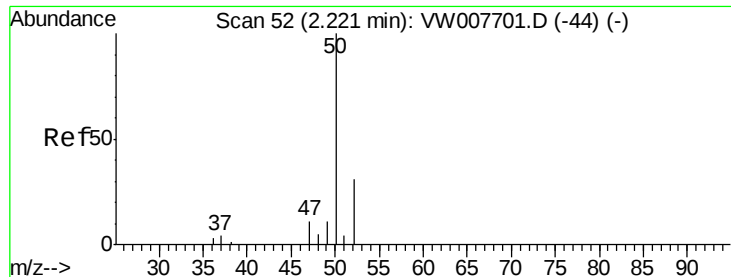
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.411 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 50 Resp: 7014

Ion Ratio Lower Upper

50 100

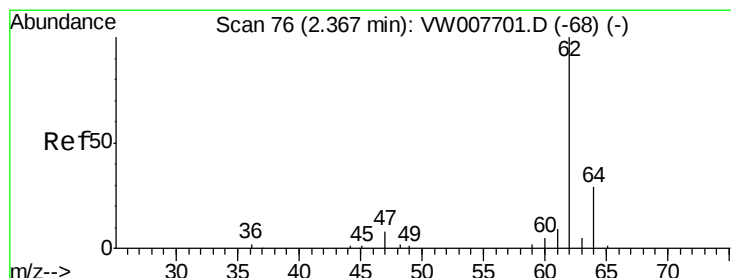
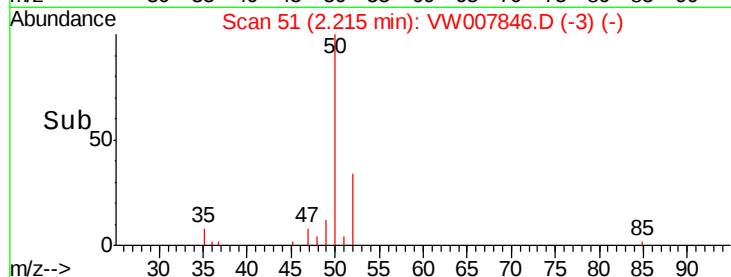
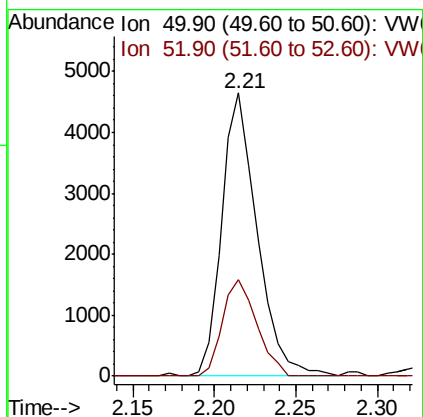
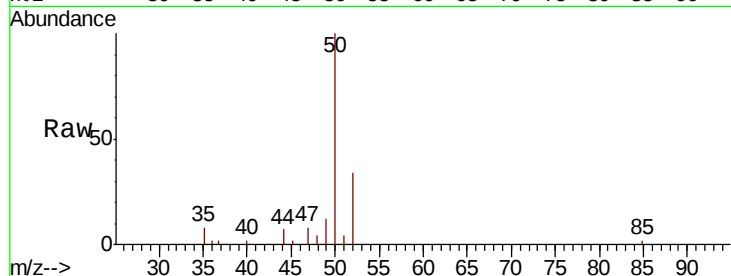
52 33.9 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 25.311 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007846.D

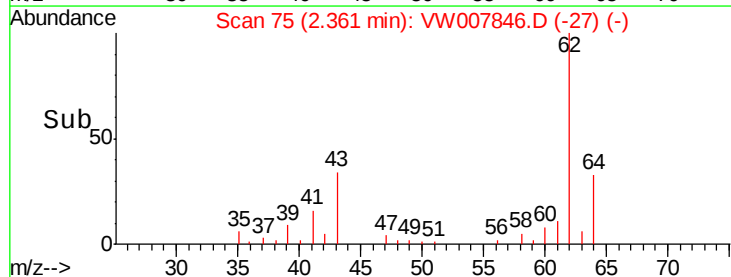
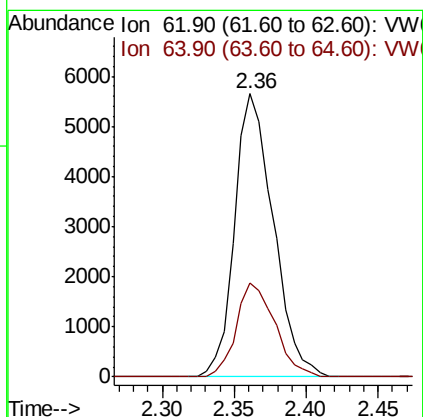
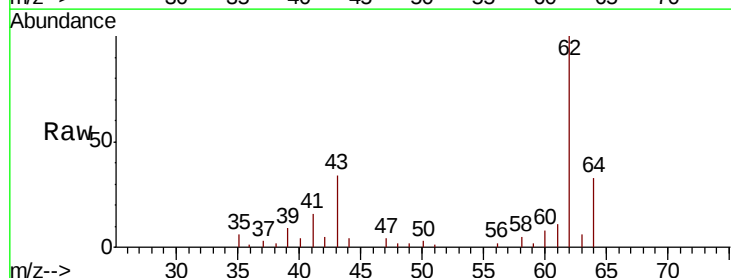
Acq: 22 Dec 2018 16:44

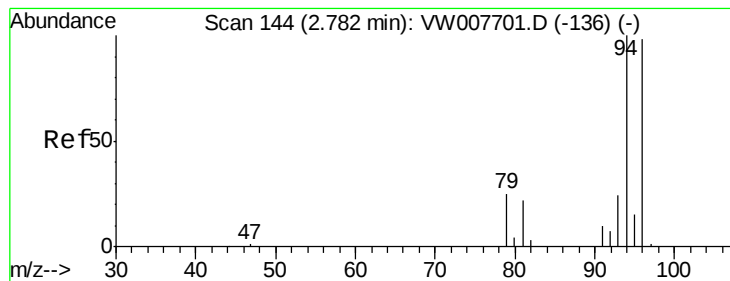
Tgt Ion: 62 Resp: 10555

Ion Ratio Lower Upper

62 100

64 33.2 23.4 35.0





#5

Bromomethane

Concen: 23.880 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBSD01

Tgt Ion: 94 Resp: 6936

Ion Ratio Lower Upper

94 100

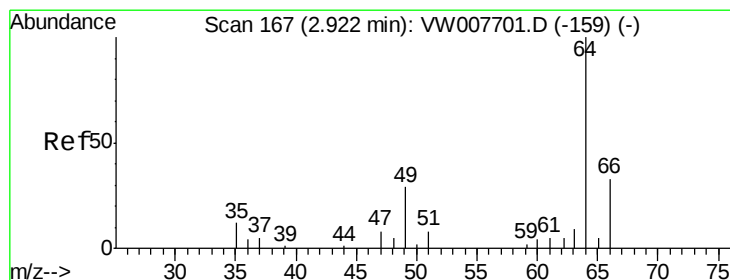
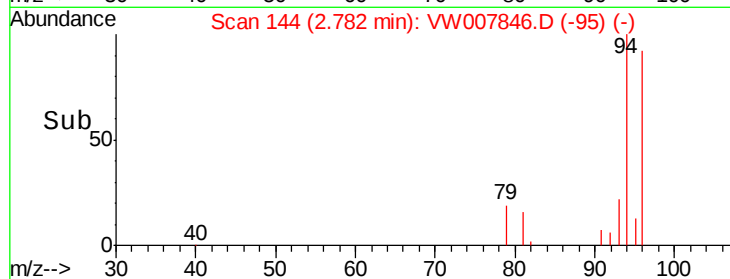
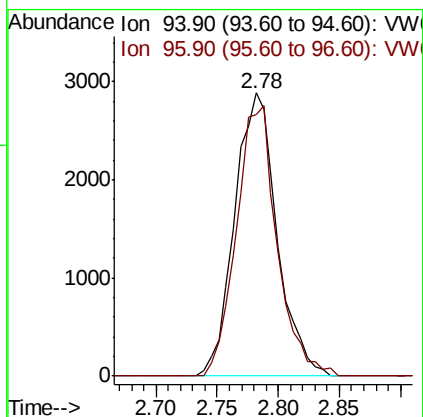
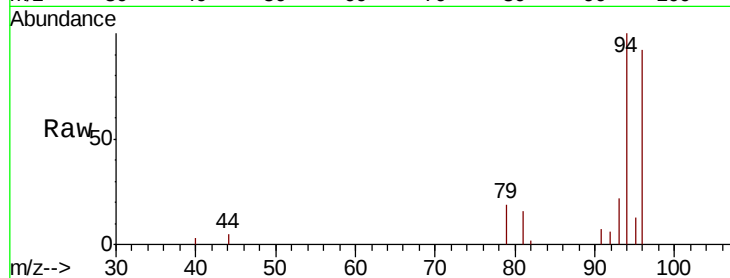
96 92.4 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 24.980 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007846.D

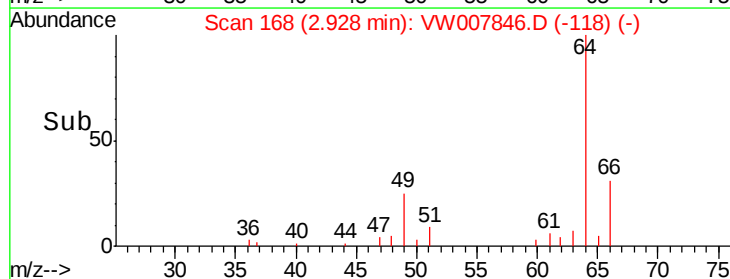
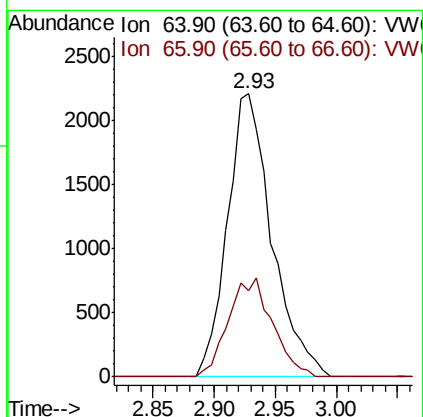
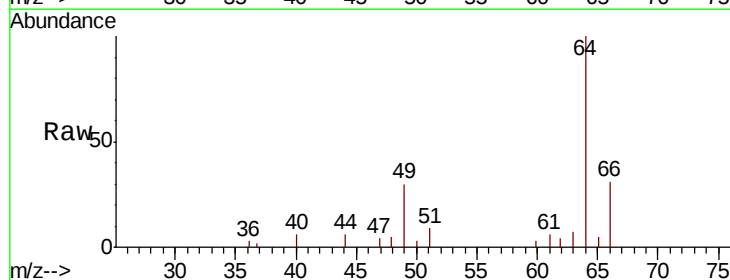
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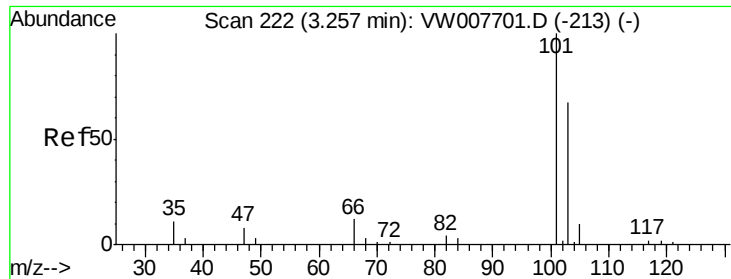
Tgt Ion: 64 Resp: 5573

Ion Ratio Lower Upper

64 100

66 30.5 26.2 39.4





#7

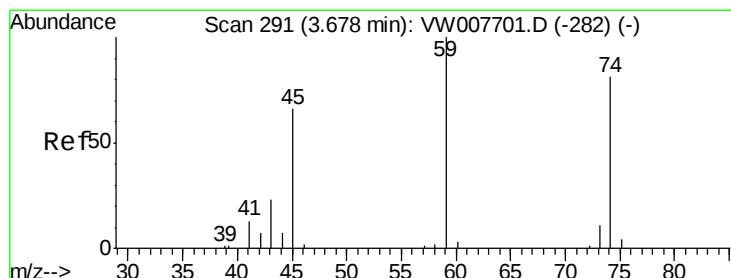
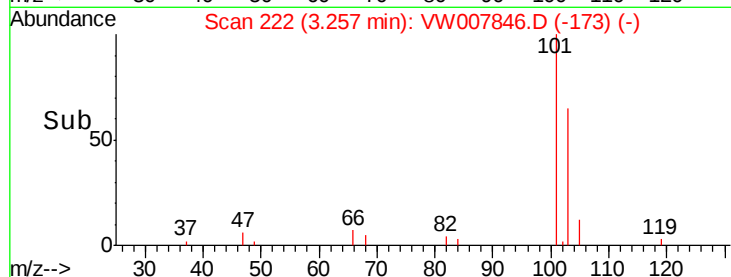
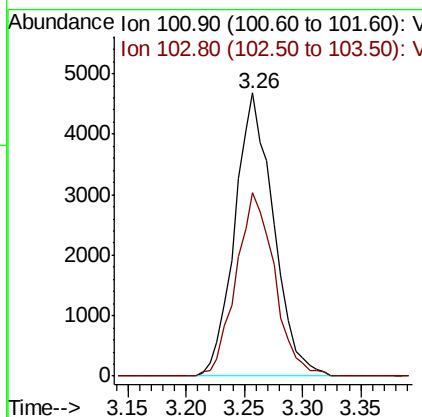
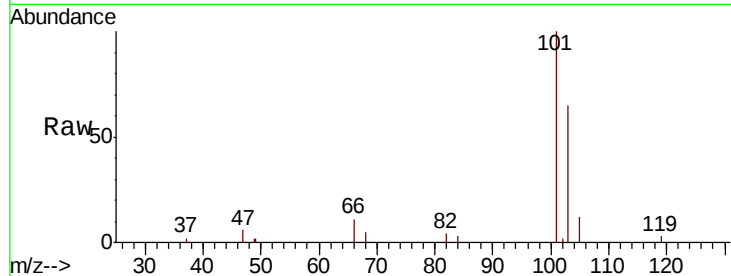
Trichlorofluoromethane
 Concen: 24.920 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion: 101 Resp: 10819
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.4 80.2

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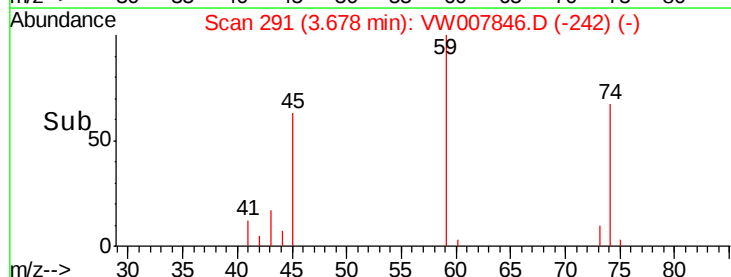
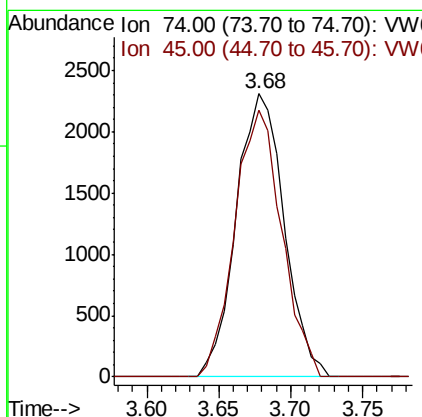
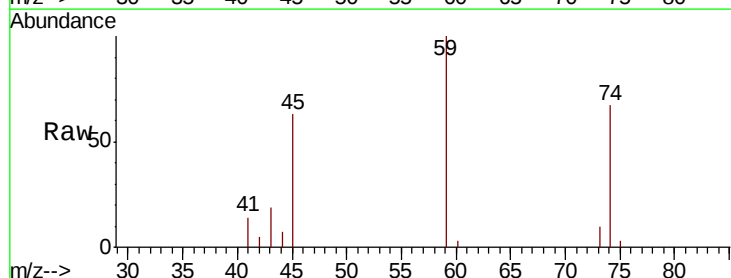
MMDadoda
 12/24/2018 3:18:35 PM

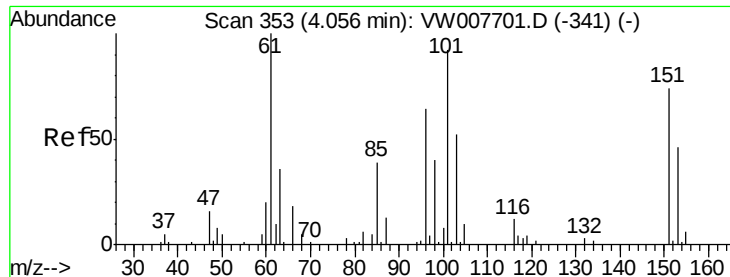


#8

Diethyl Ether
 Concen: 20.029 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion: 74 Resp: 5326
 Ion Ratio Lower Upper
 74 100
 45 92.6 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.452 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

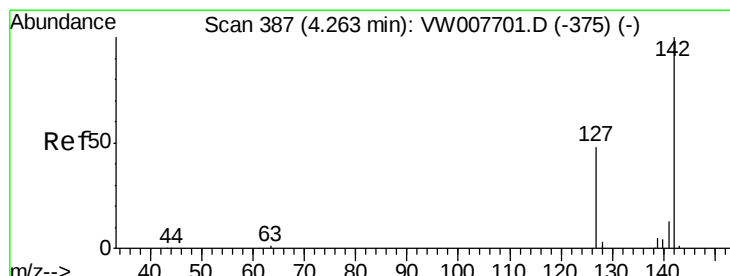
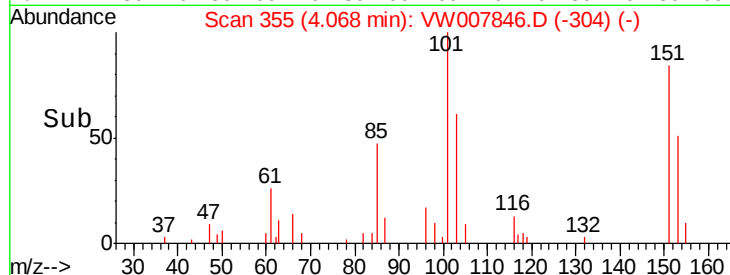
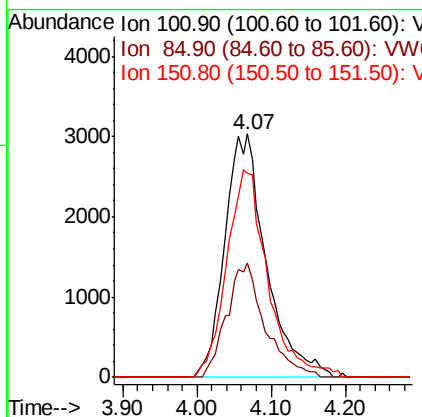
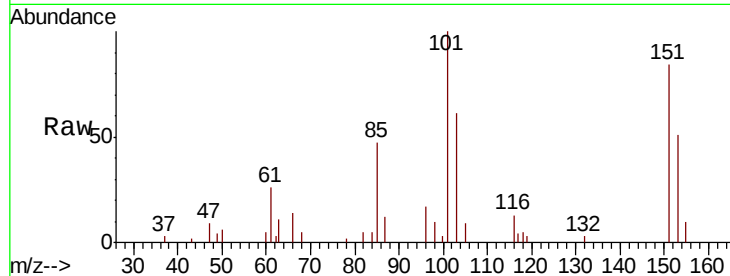
ClientSampleId :

VW1224SBS01

Tgt Ion:	101	Resp:	11798
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.3	51.5
151	84.6	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.334 ug/l

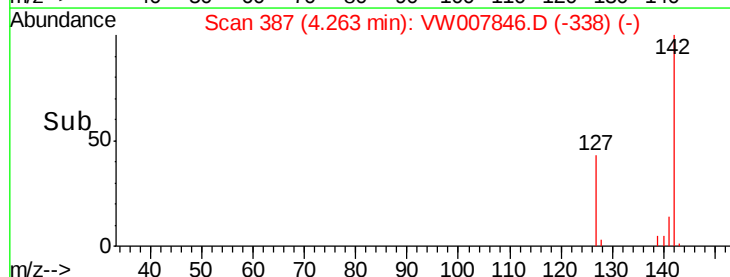
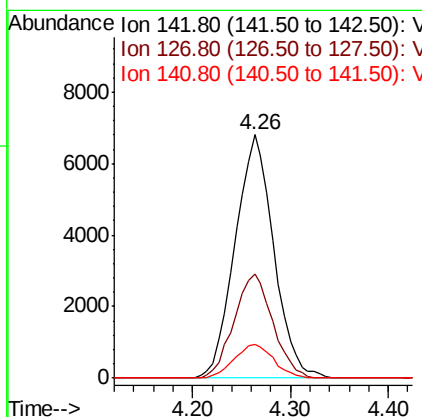
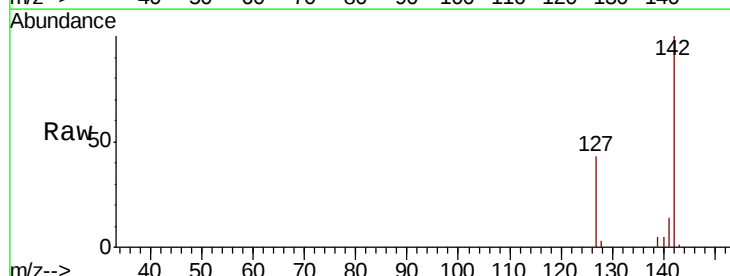
RT: 4.26 min Scan# 387

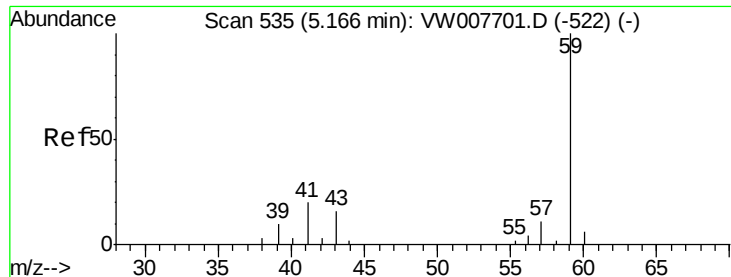
Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Tgt Ion:	142	Resp:	18642
Ion Ratio	Lower	Upper	
142	100		
127	42.9	37.7	56.5
141	14.1	11.5	17.3





#11

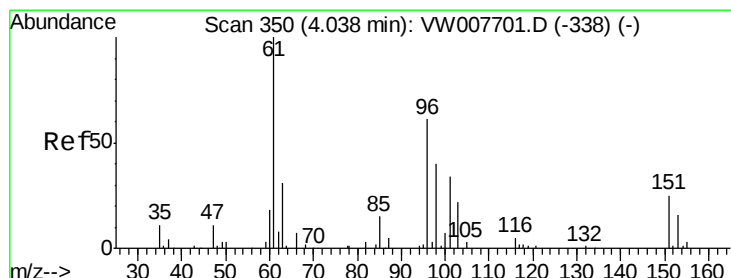
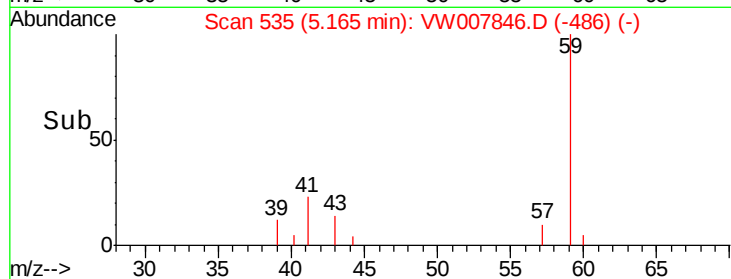
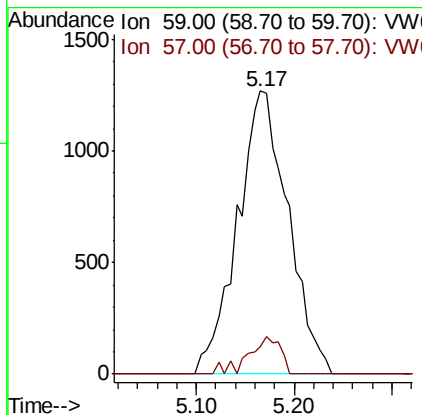
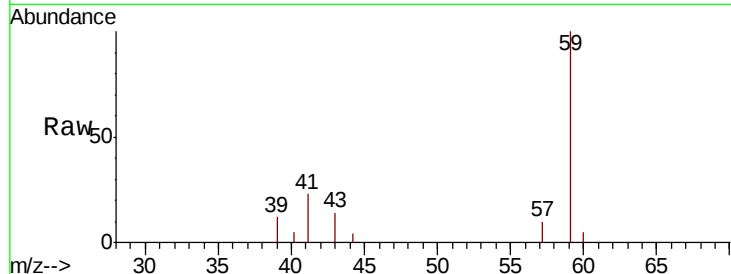
Tert butyl alcohol
 Concen: 103.201 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.9	7.8	11.8

Manual Integrations
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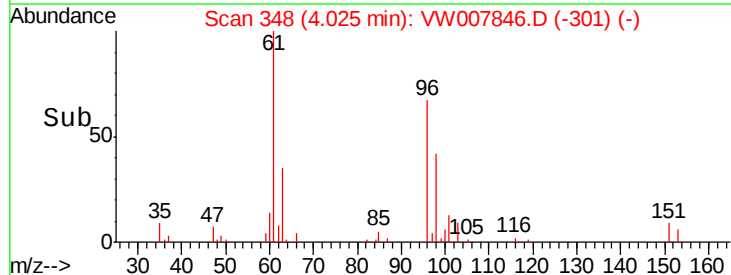
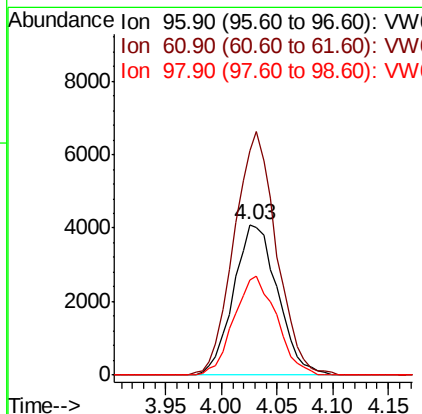
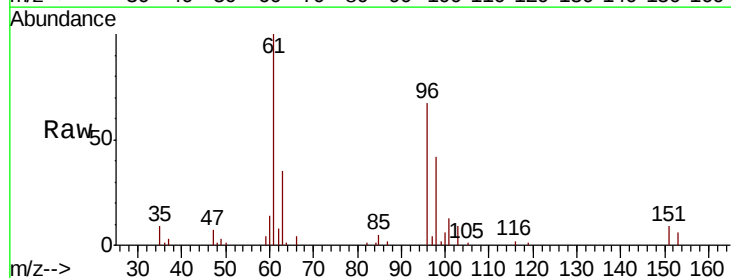
MMDadoda
 12/24/2018 3:18:35 PM

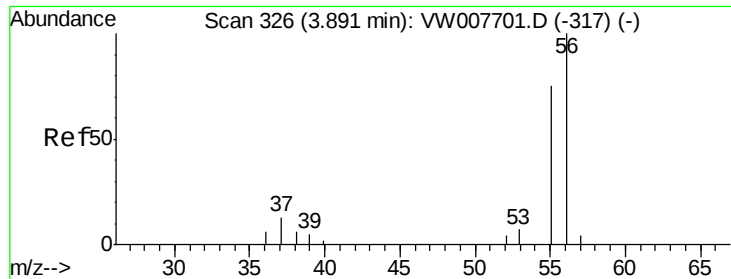


#12

1,1-Dichloroethene
 Concen: 18.971 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	130.6	195.8
98	63.0	52.3	78.5





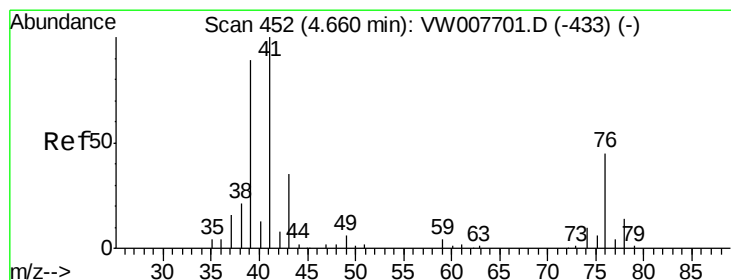
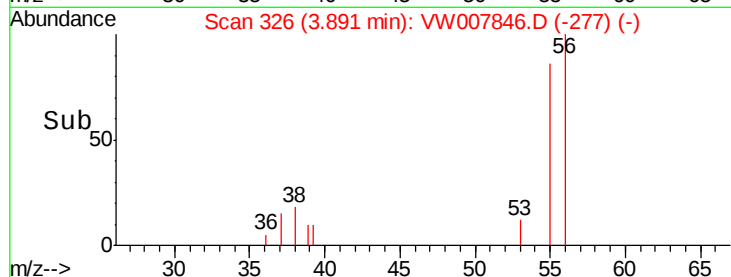
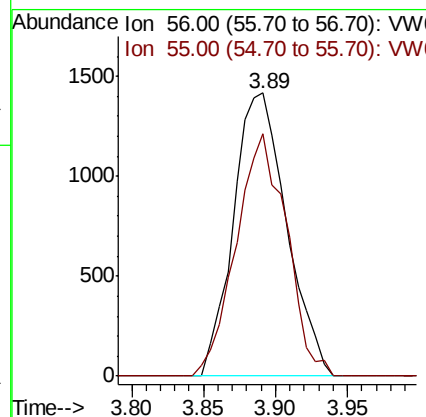
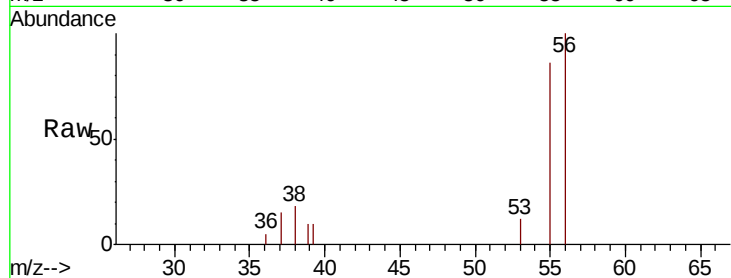
#13
Acrolein
Concen: 102.604 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 56 Resp: 3640
Ion Ratio Lower Upper
56 100
55 81.1 57.7 86.5

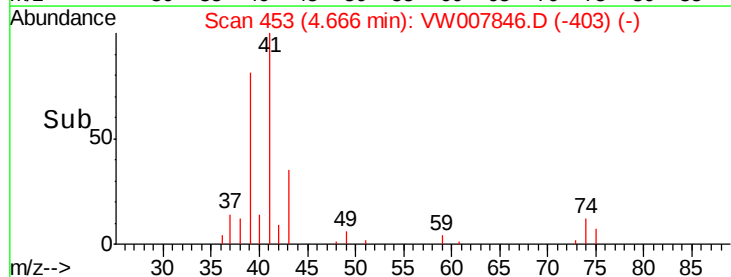
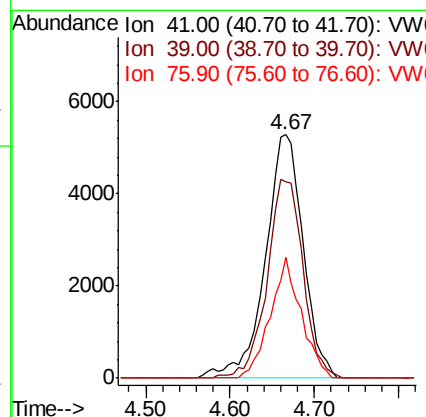
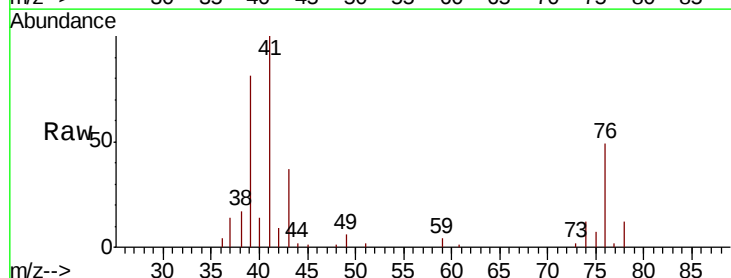
Manual Integrations
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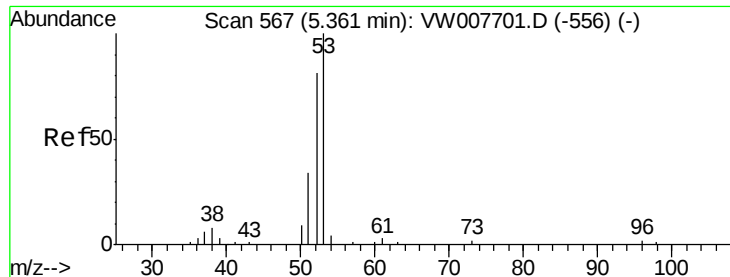
MMDadoda
12/24/2018 3:18:35 PM



#14
Allyl chloride
Concen: 21.061 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion: 41 Resp: 16352
Ion Ratio Lower Upper
41 100
39 77.8 69.5 104.3
76 40.5 34.8 52.2





#15

Acrylonitrile

Concen: 109.299 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

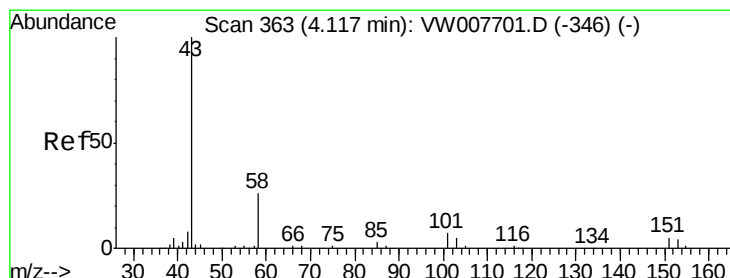
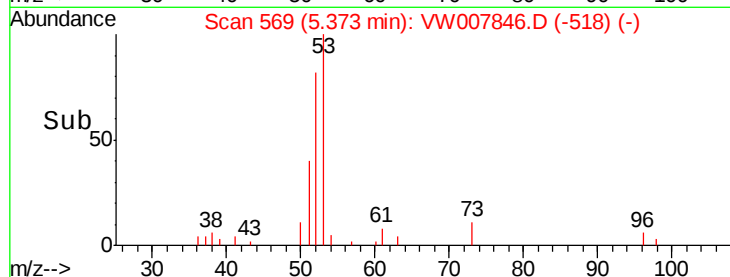
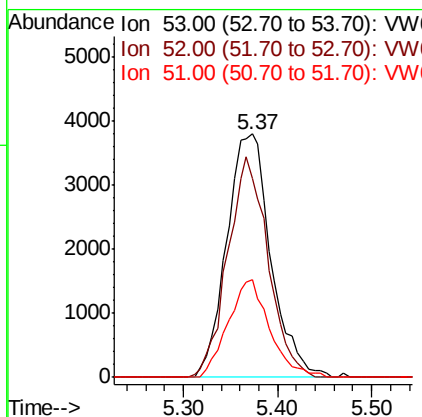
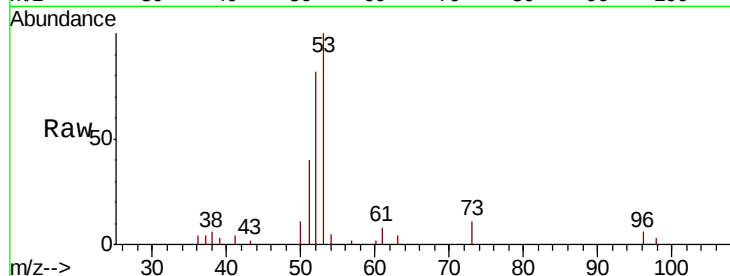
ClientSampleId :

VW1224SBS01

Tgt Ion:	53	Resp:	12398
Ion	Ratio	Lower	Upper
53	100		
52	82.6	67.0	100.4
51	37.7	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 98.630 ug/l

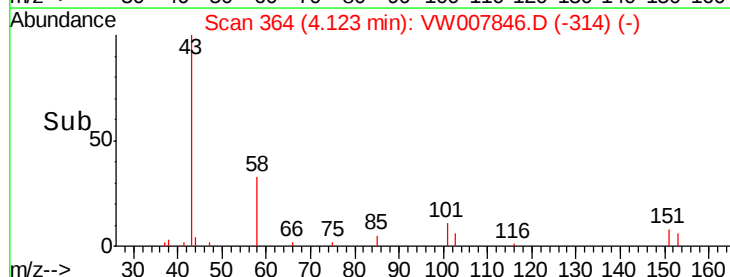
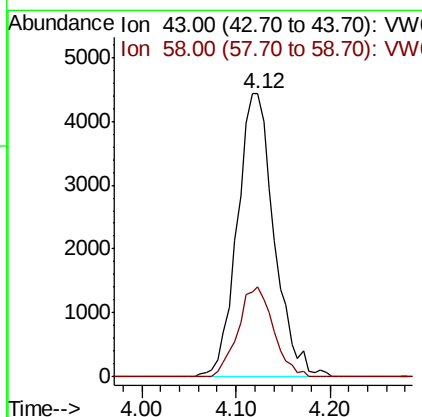
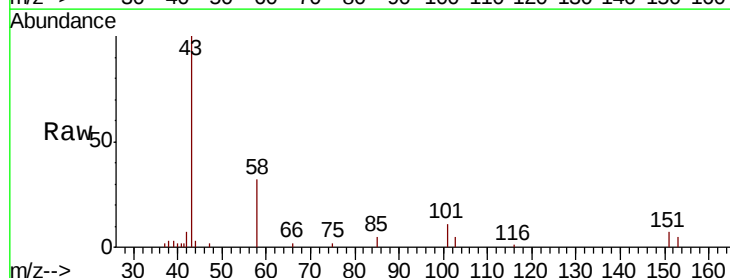
RT: 4.12 min Scan# 364

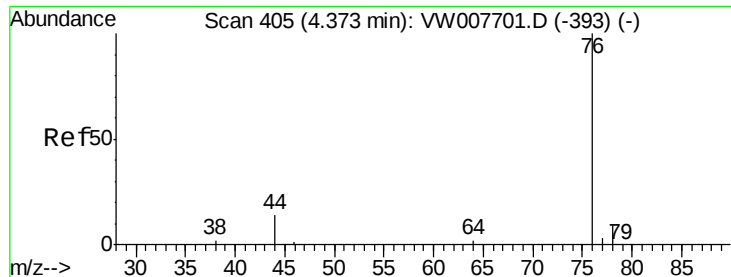
Delta R.T. 0.01 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Tgt Ion:	43	Resp:	12148
Ion	Ratio	Lower	Upper
43	100		
58	31.9	21.2	31.8#





#17

Carbon Disulfide

Concen: 17.813 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 76 Resp: 32637

Ion Ratio Lower Upper

76 100

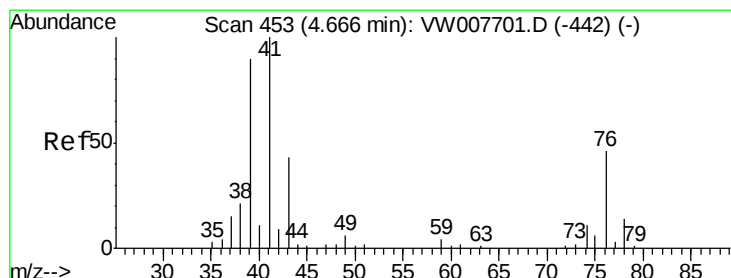
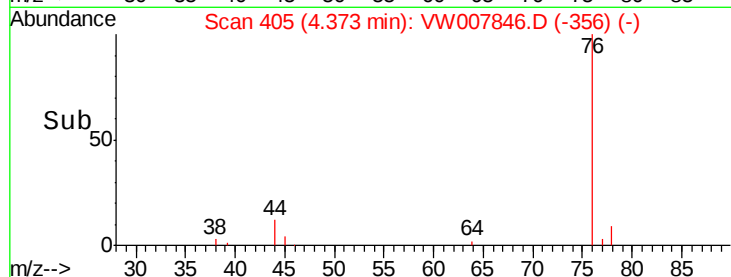
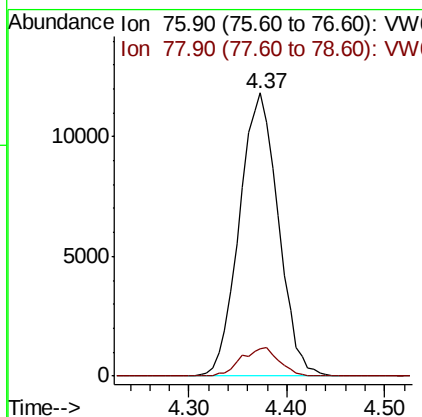
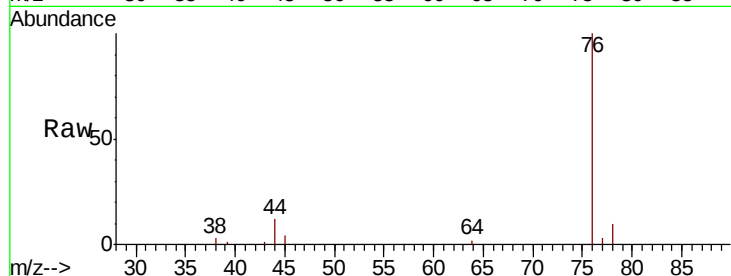
78 9.8 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 21.477 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007846.D

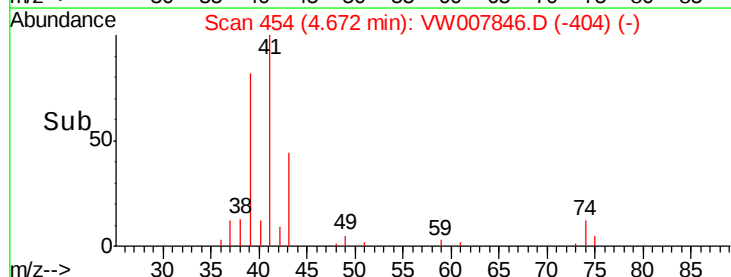
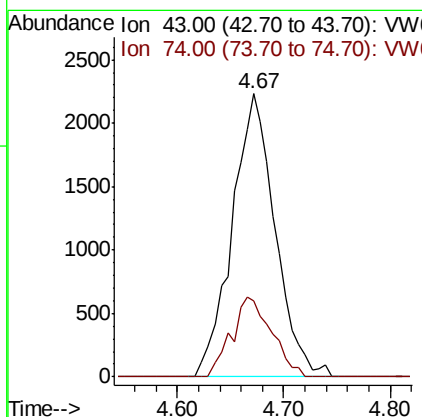
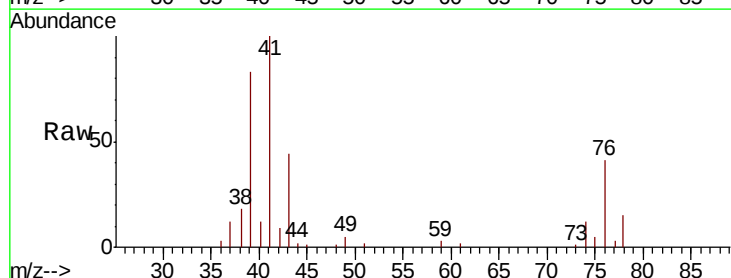
Acq: 22 Dec 2018 16:44

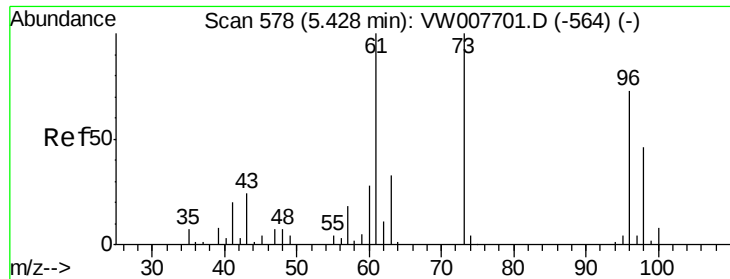
Tgt Ion: 43 Resp: 6291

Ion Ratio Lower Upper

43 100

74 26.3 22.7 34.1





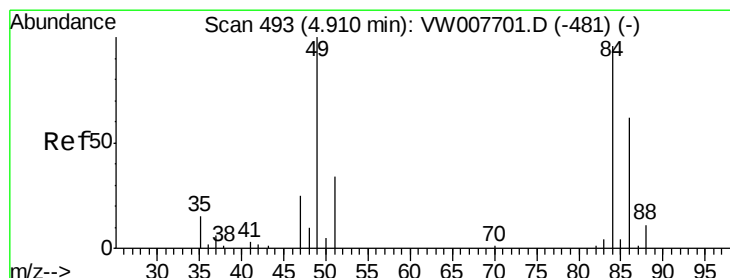
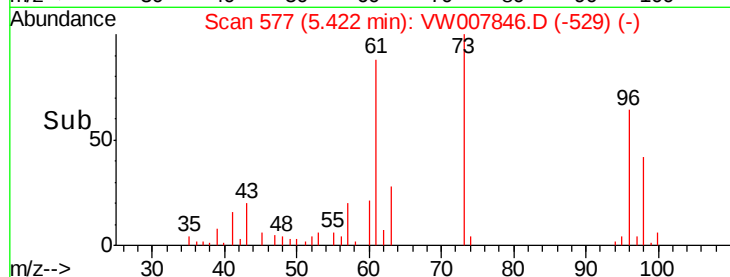
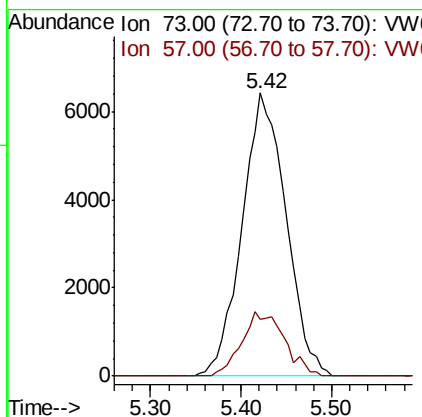
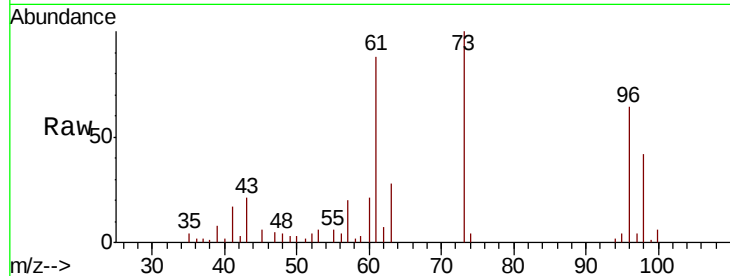
#19
Methyl tert-butyl Ether
Concen: 25.295 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 73 Resp: 21501
Ion Ratio Lower Upper
73 100
57 20.3 14.7 22.1

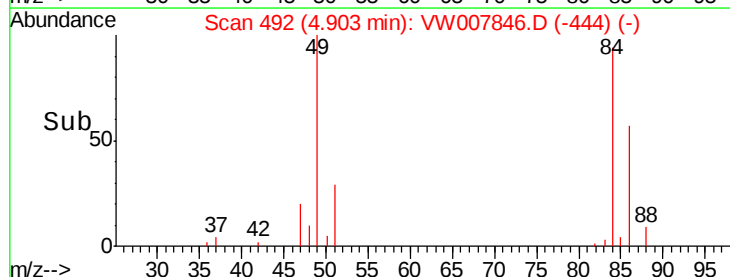
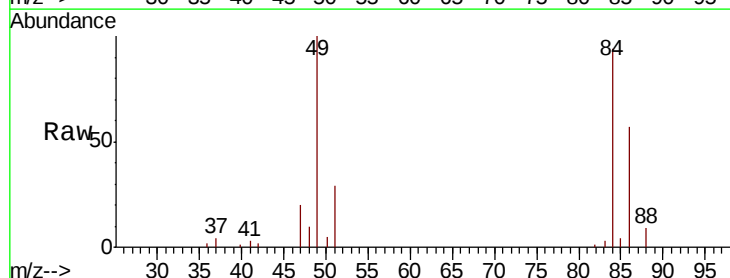
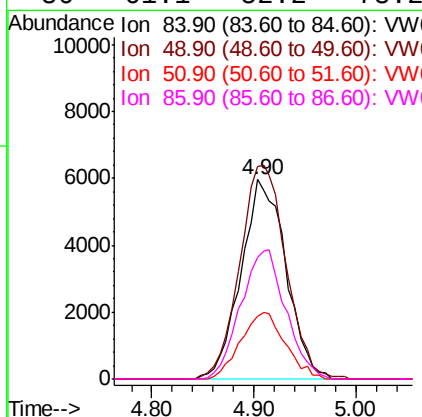
Manual Integrations
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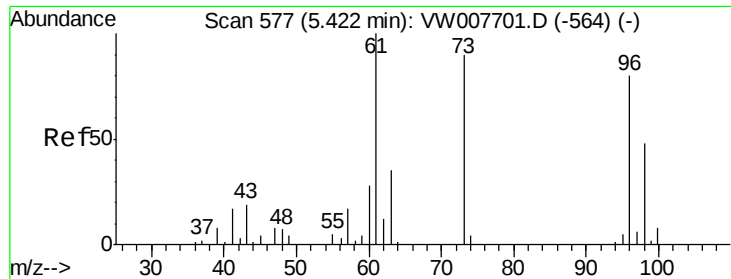
MMDadoda
12/24/2018 3:18:35 PM



#20
Methylene Chloride
Concen: 26.537 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion: 84 Resp: 18168
Ion Ratio Lower Upper
84 100
49 106.8 83.7 125.5
51 31.4 28.2 42.2
86 61.1 52.2 78.2





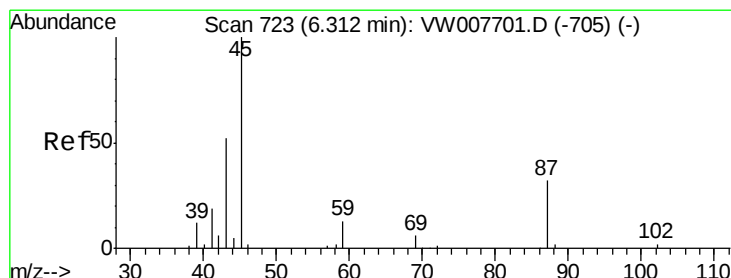
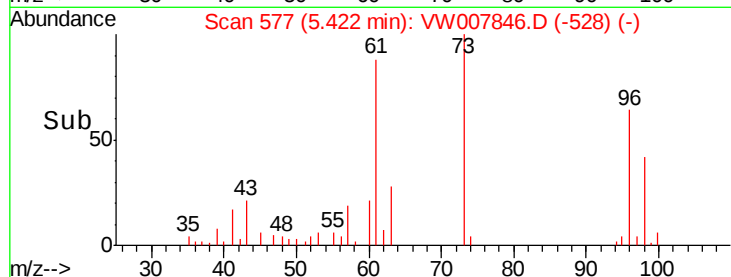
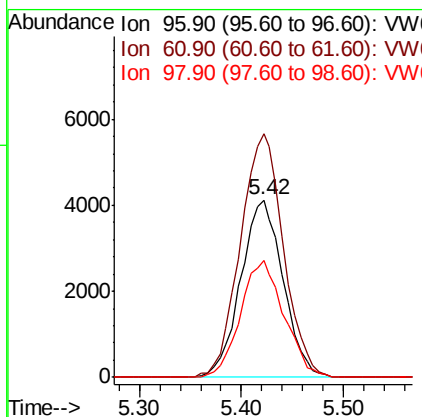
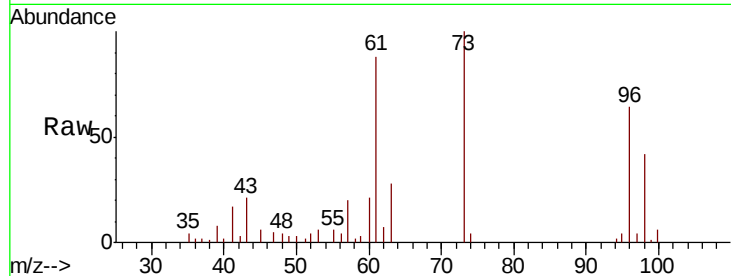
#21
trans-1,2-Dichloroethene
Concen: 18.292 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.3	100.1	150.1
98	65.9	48.5	72.7

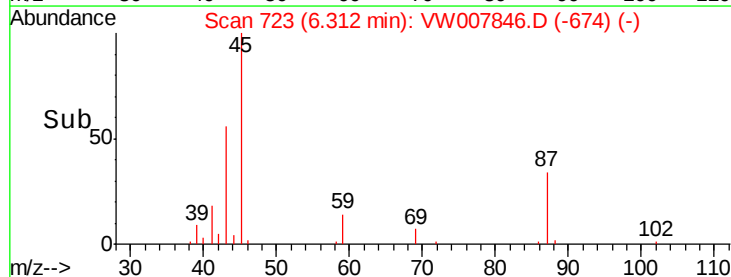
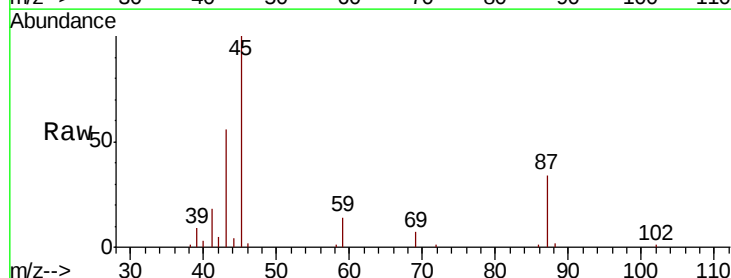
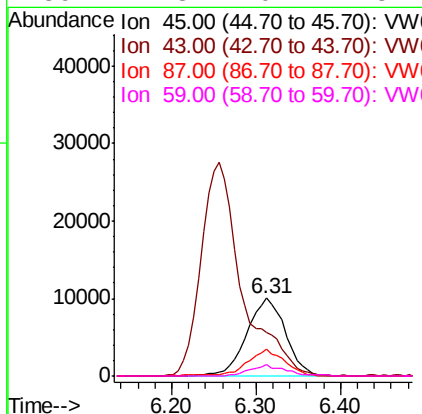
Manual Integrations
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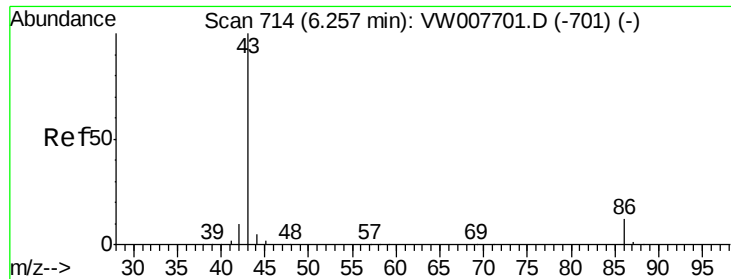
MMDadoda
12/24/2018 3:18:35 PM



#22
Diisopropyl ether
Concen: 21.639 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.2	43.7	65.5
87	34.2	26.6	40.0
59	14.3	10.2	15.2





#23

Vinyl Acetate

Concen: 107.375 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 43 Resp: 92746

Ion Ratio Lower Upper

43 100

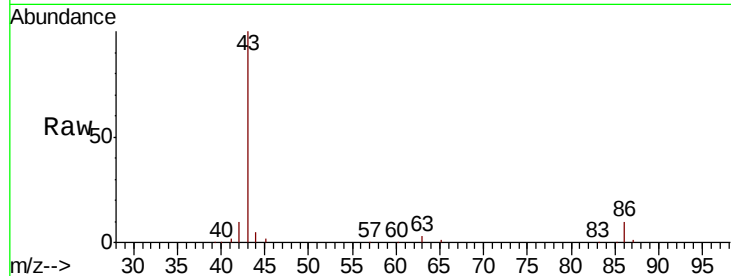
86 10.4 9.6 14.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

30000

25000

20000

15000

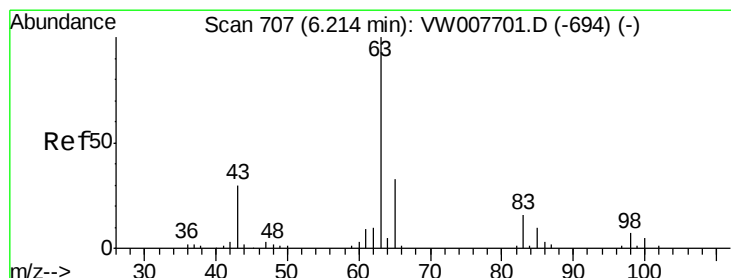
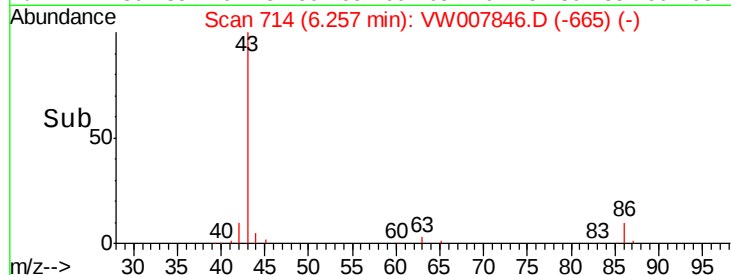
10000

5000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 19.249 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

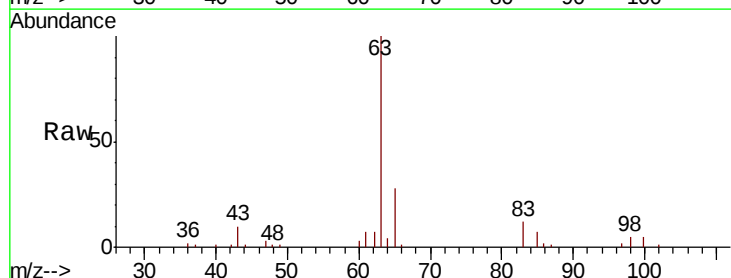
Tgt Ion: 63 Resp: 20587

Ion Ratio Lower Upper

63 100

98 5.5 3.6 10.9

100 4.6 2.5 7.5



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

8000

6000

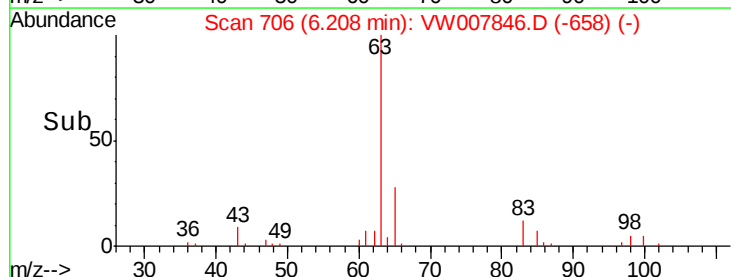
4000

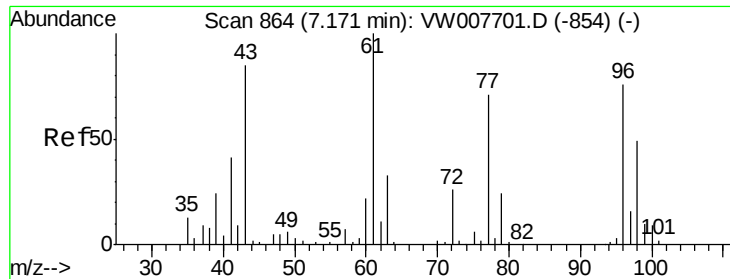
2000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 107.088 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 43 Resp: 15449

Ion Ratio Lower Upper

43 100

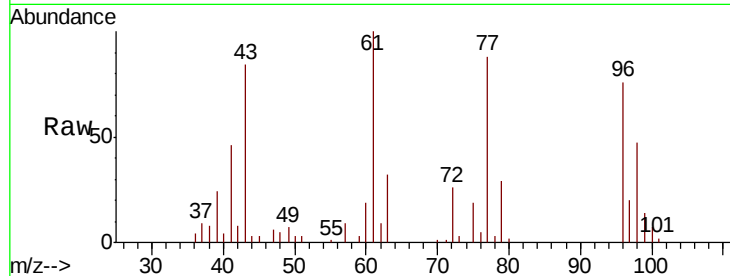
72 30.3 24.5 36.7

Manual Integrations

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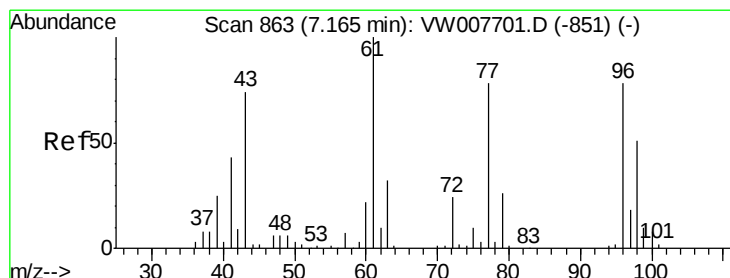
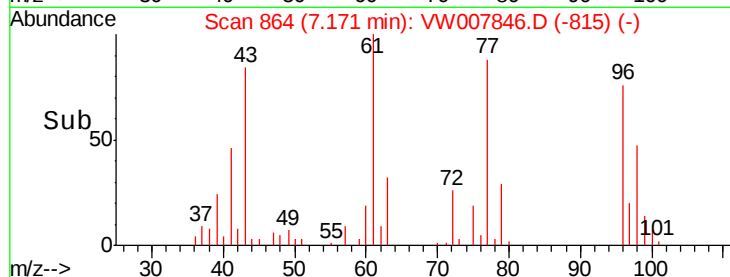
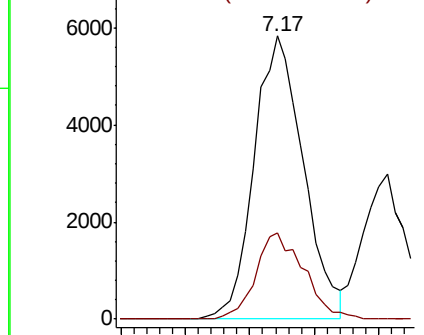
MMDadoda

12/24/2018 3:18:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 23.103 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007846.D

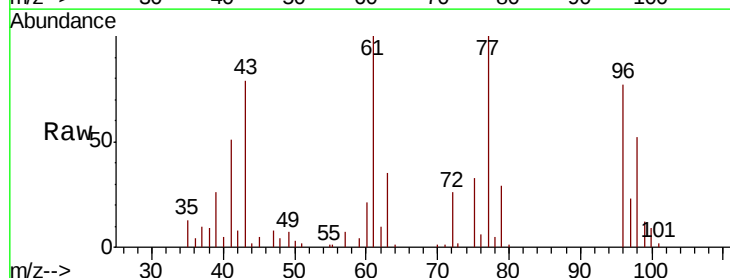
Acq: 22 Dec 2018 16:44

Tgt Ion: 77 Resp: 18081

Ion Ratio Lower Upper

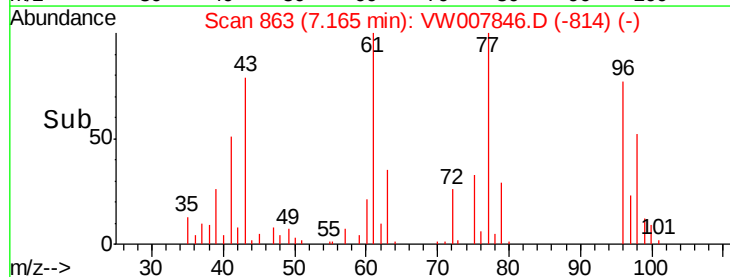
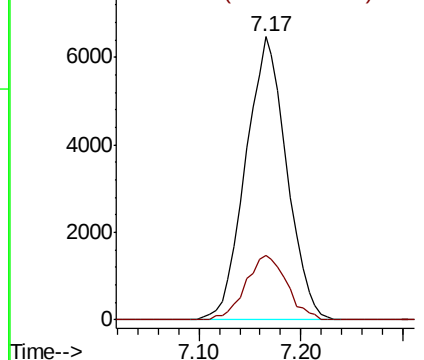
77 100

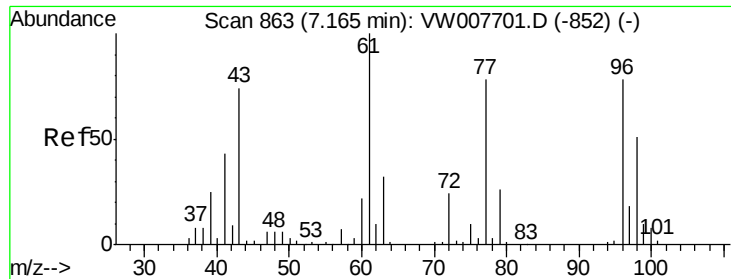
97 22.8 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

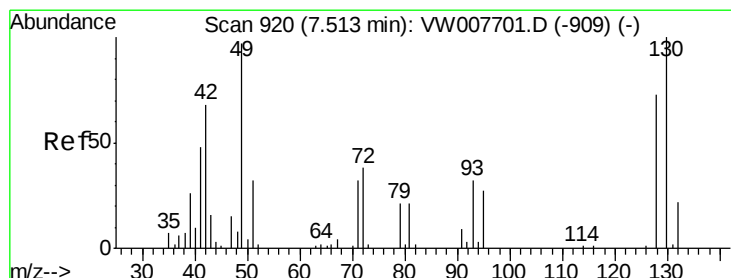
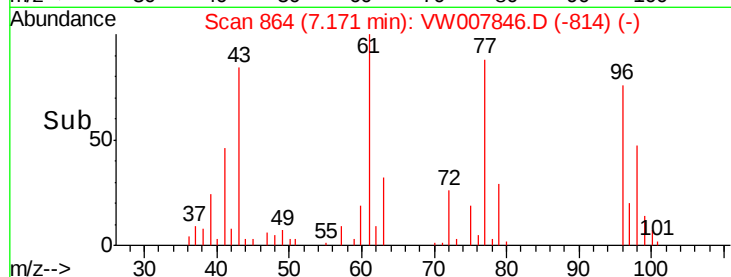
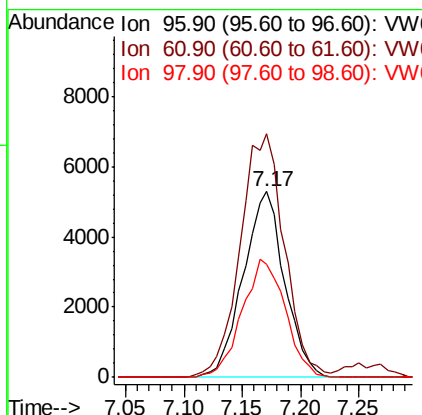
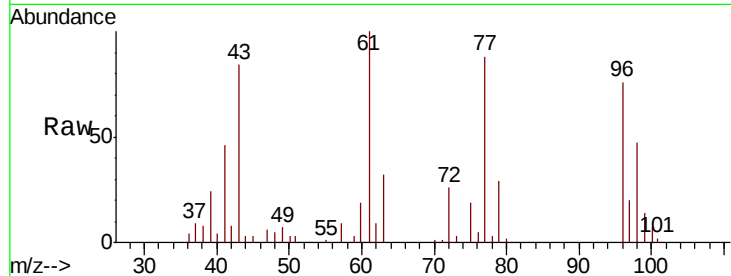
cis-1,2-Dichloroethene
Concen: 18.890 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	271.6
98	66.1	0.0	131.2

Manual Integrations
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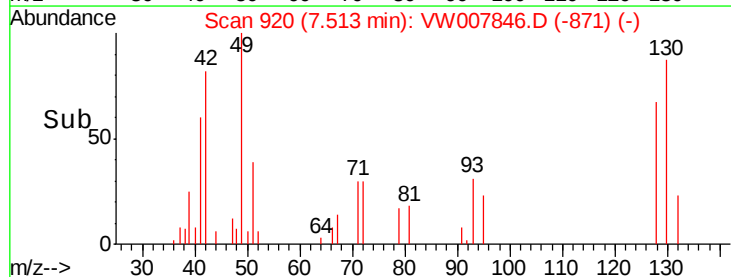
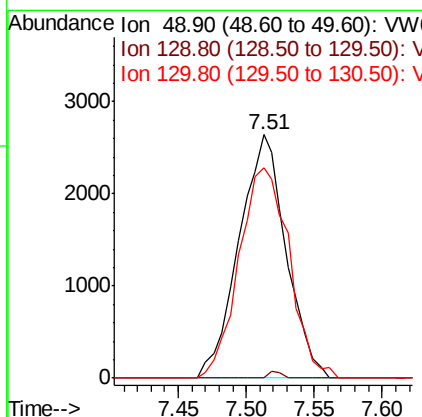
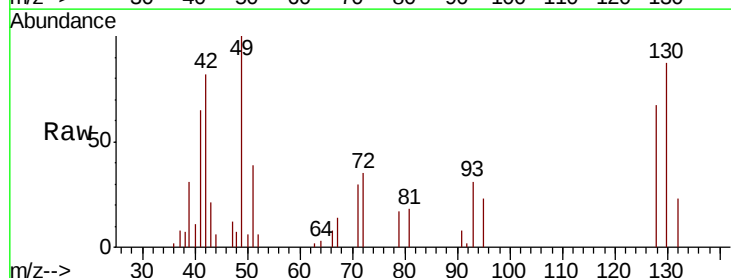
MMDadoda
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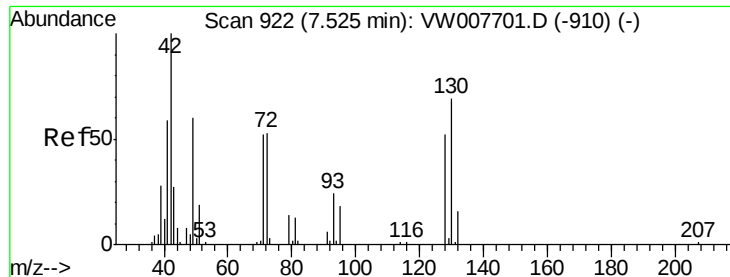


#28

Bromochloromethane
Concen: 17.507 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.2
130	92.1	81.5	122.3





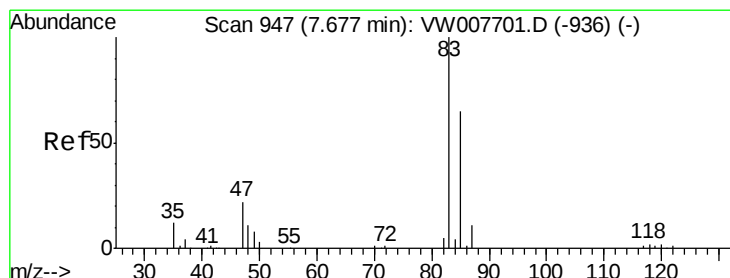
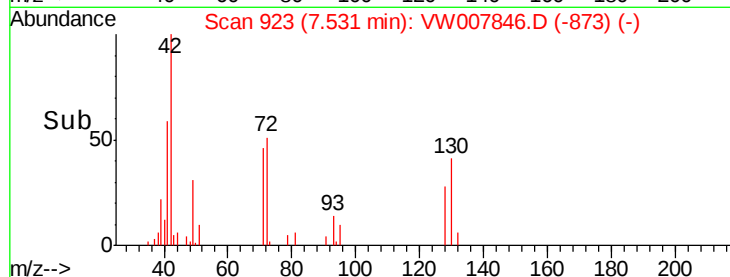
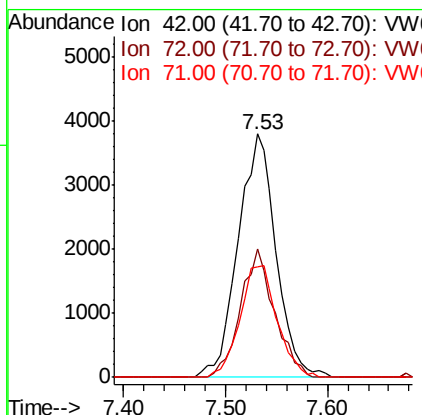
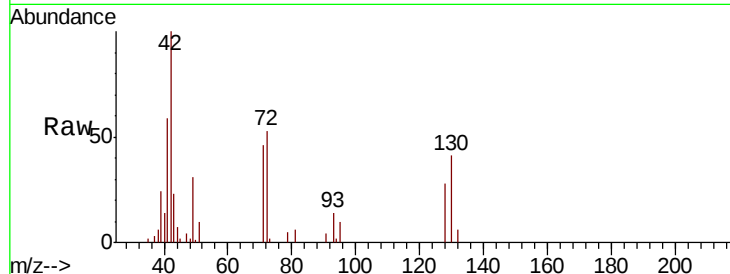
#29
Tetrahydrofuran
Concen: 113.862 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 42 Resp: 9798
Ion Ratio Lower Upper
42 100
72 47.2 41.7 62.5
71 45.3 39.0 58.6

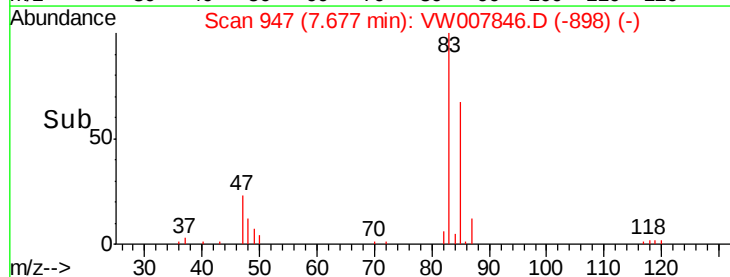
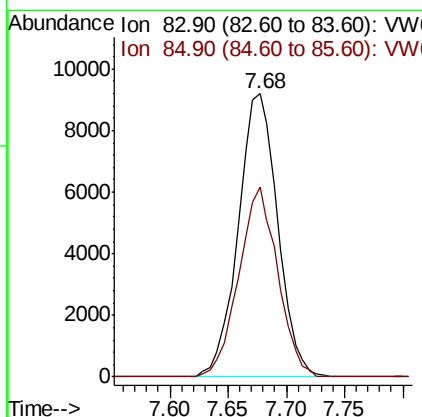
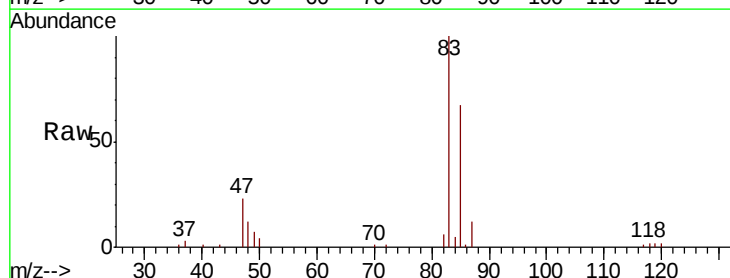
Manual Integrations
APPROVED

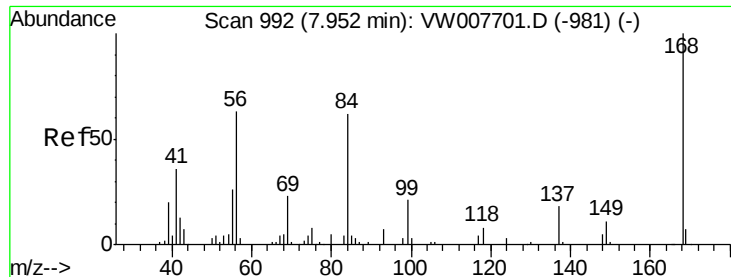
MMDadoda
12/24/2018 3:18:35 PM



#30
Chloroform
Concen: 17.881 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion: 83 Resp: 21642
Ion Ratio Lower Upper
83 100
85 67.1 52.2 78.2





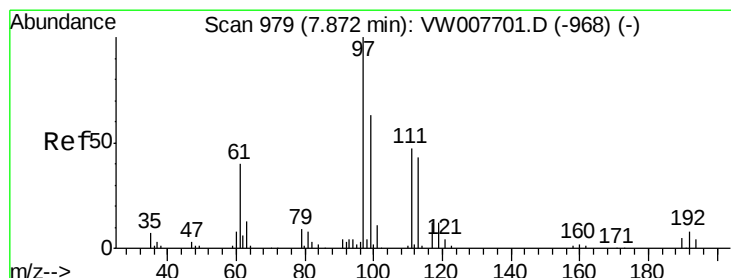
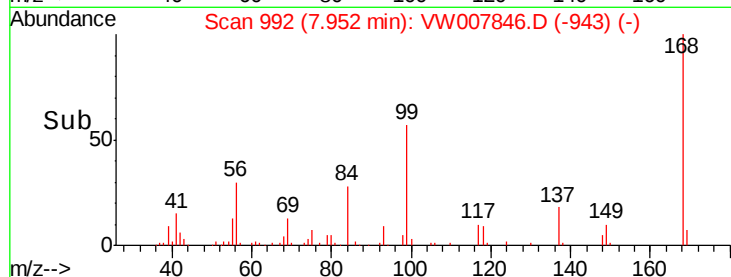
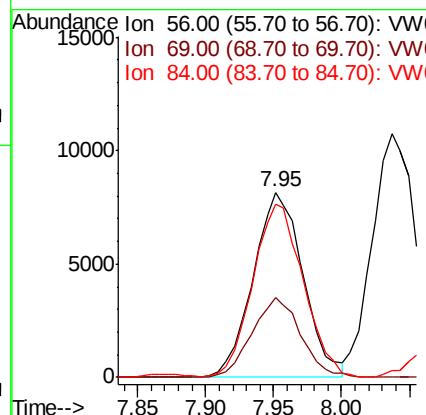
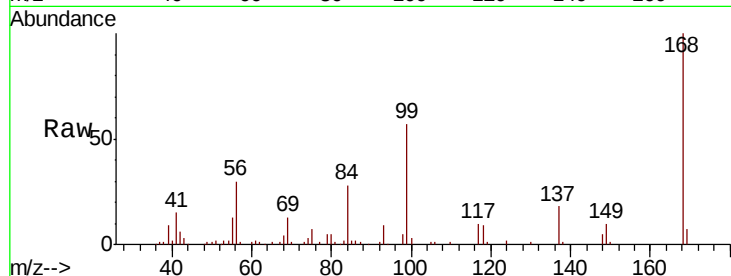
#31
Cyclohexane
Concen: 21.420 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	42.9	29.7	44.5
84	93.2	78.9	118.3

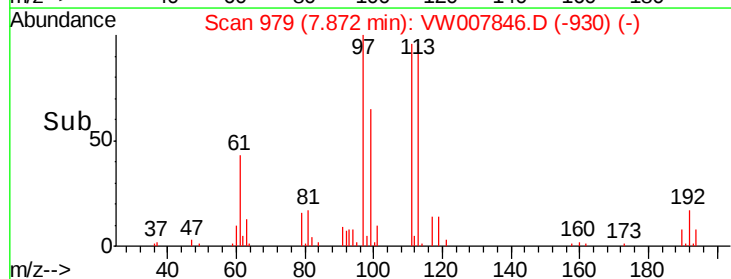
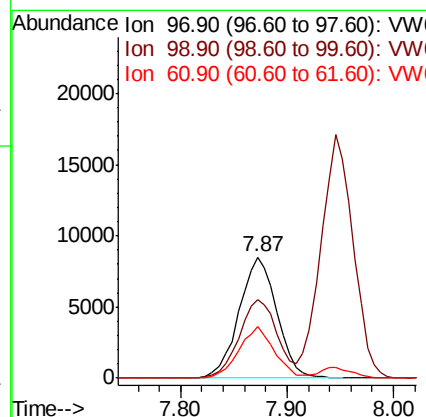
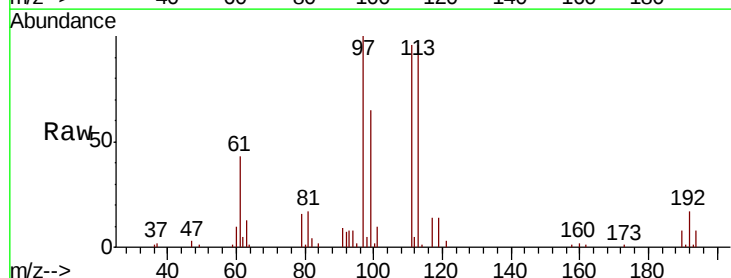
Manual Integrations
APPROVED

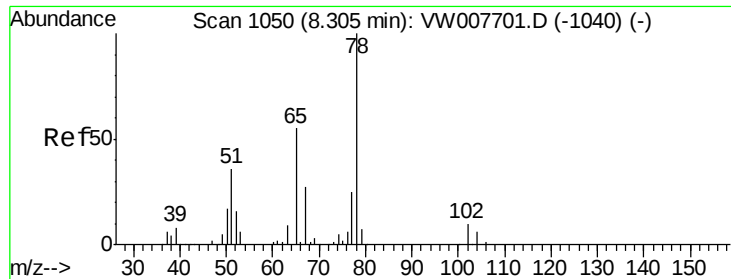
MMDadoda
12/24/2018 3:18:35 PM



#32
1,1,1-Trichloroethane
Concen: 19.116 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.6	76.0
61	39.8	32.3	48.5





#33

1,2-Dichloroethane-d4

Concen: 43.840 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 65 Resp: 28835

Ion Ratio Lower Upper

65 100

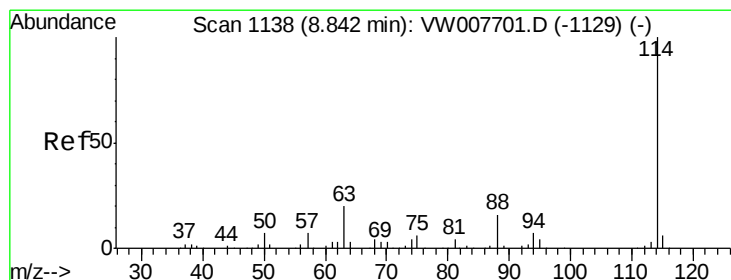
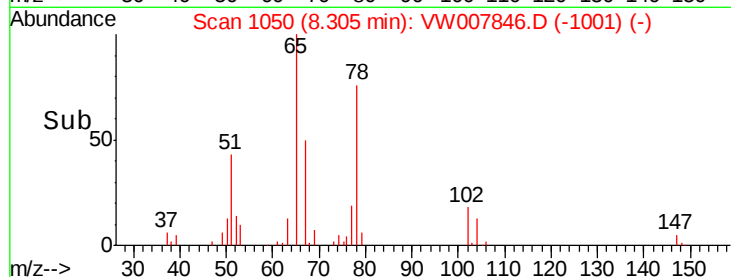
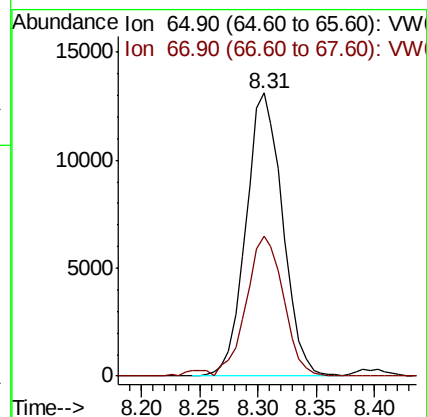
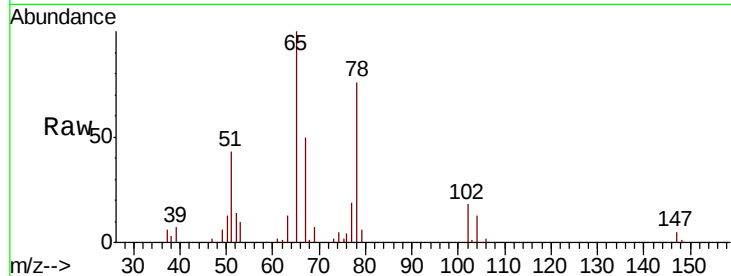
67 49.8 0.0 100.6

Manual Integrations

APPROVED

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

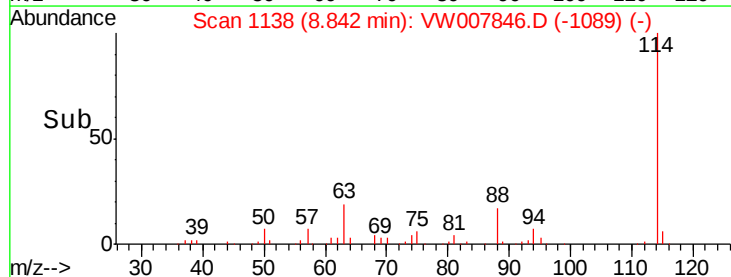
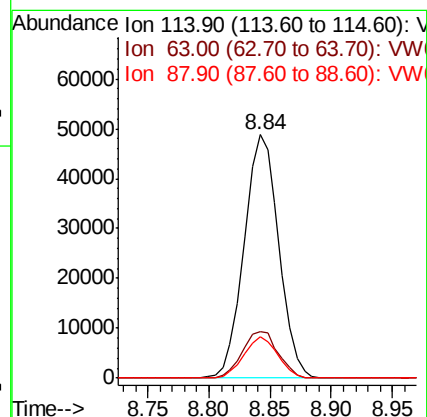
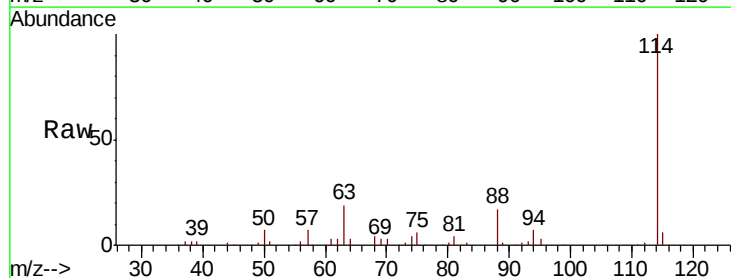
Tgt Ion: 114 Resp: 95837

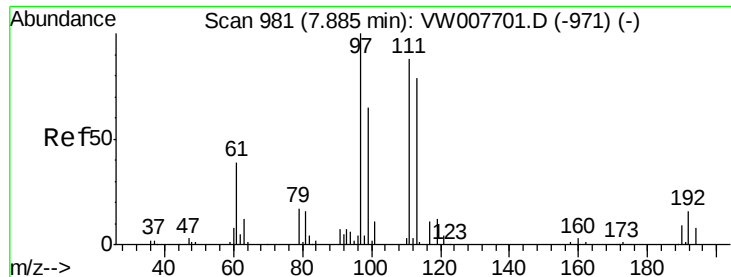
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 16.8 0.0 32.6





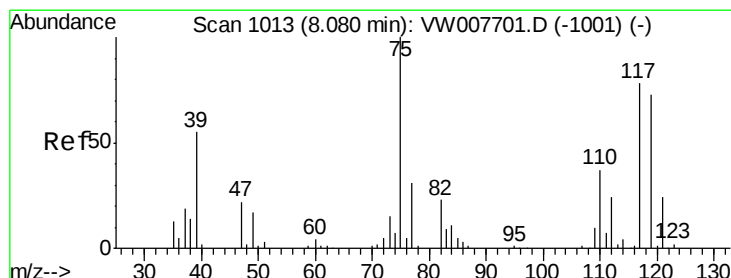
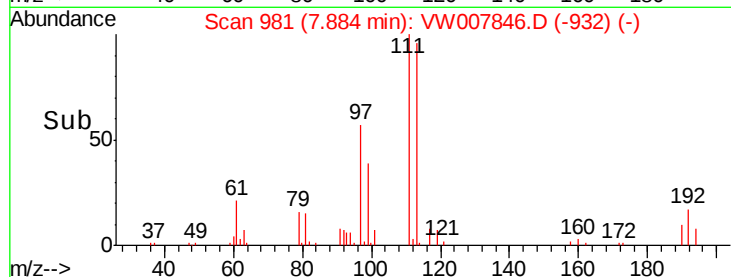
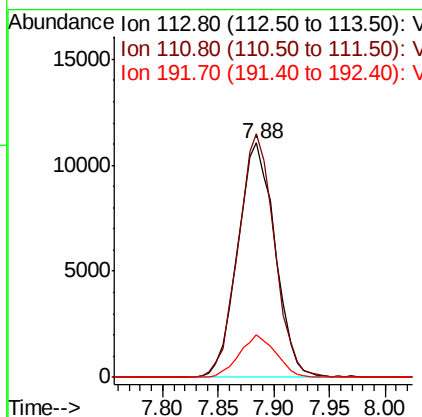
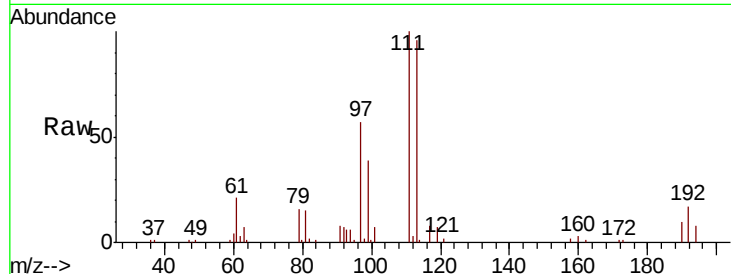
#35
 Dibromofluoromethane
 Concen: 44.139 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	25806		
111	101.1	82.6	124.0	
192	17.6	15.5	23.3	

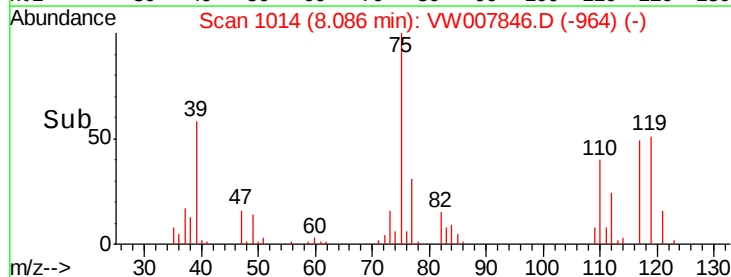
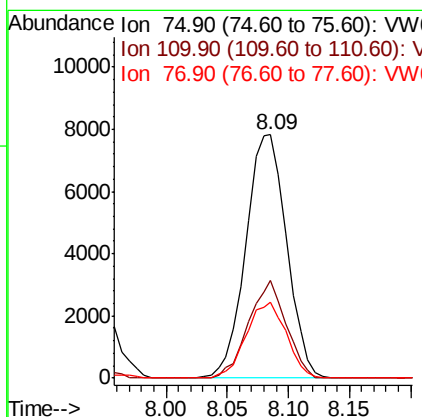
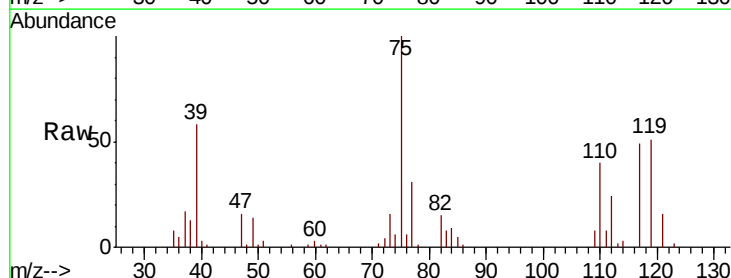
Manual Integrations
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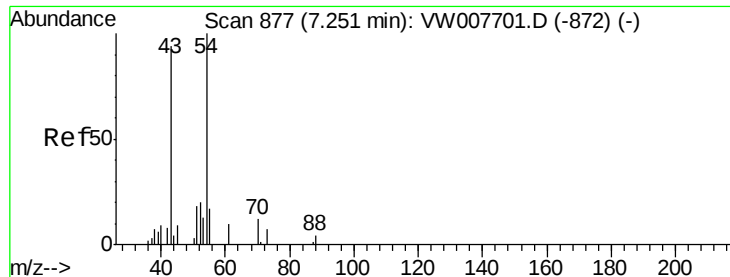
MMDadoda
 12/24/2018 3:18:35 PM



#36
 1,1-Dichloropropene
 Concen: 19.679 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18203		
110	36.8	18.6	55.8	
77	30.5	25.0	37.4	





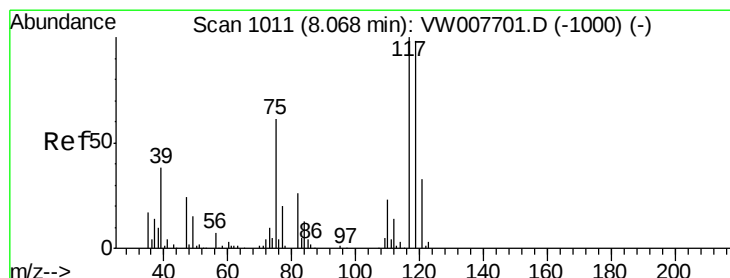
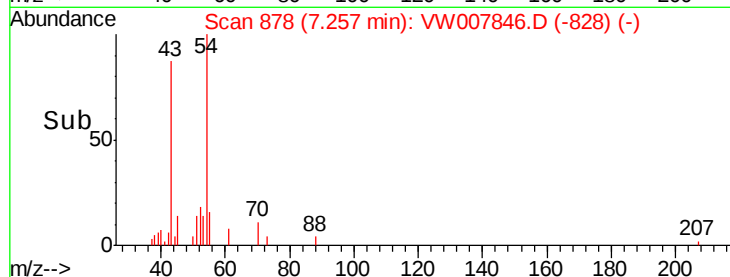
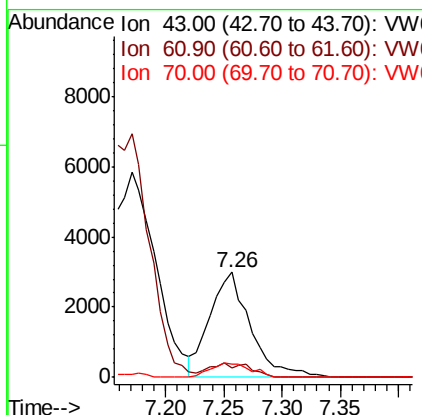
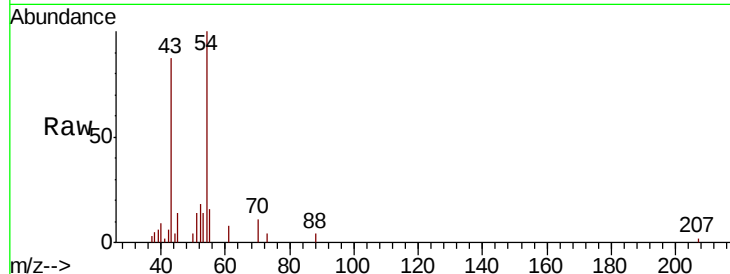
#37
Ethyl Acetate
Concen: 22.651 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.2	16.8
70	13.4	9.3	13.9

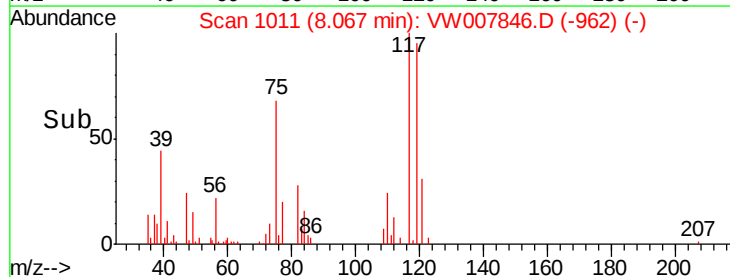
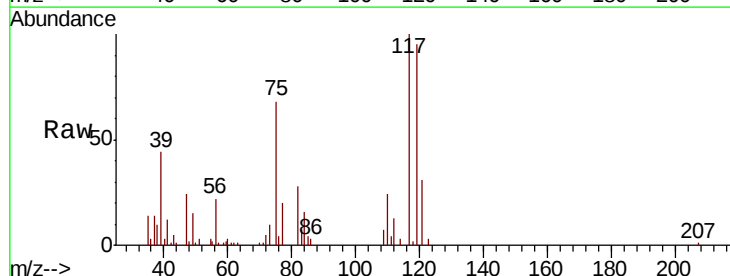
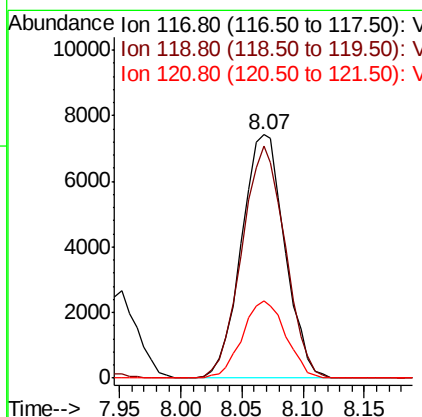
Manual Integrations
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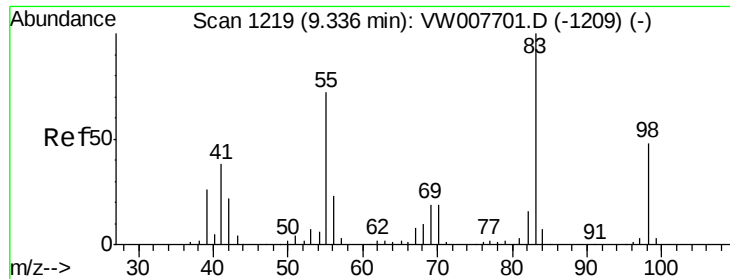
MMDadoda
12/24/2018 3:18:35 PM



#38
Carbon Tetrachloride
Concen: 16.804 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.2	117.2
121	31.5	26.1	39.1





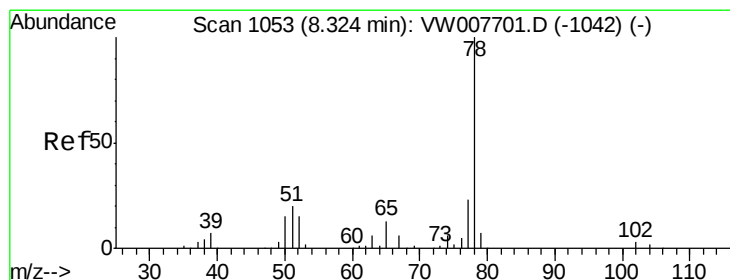
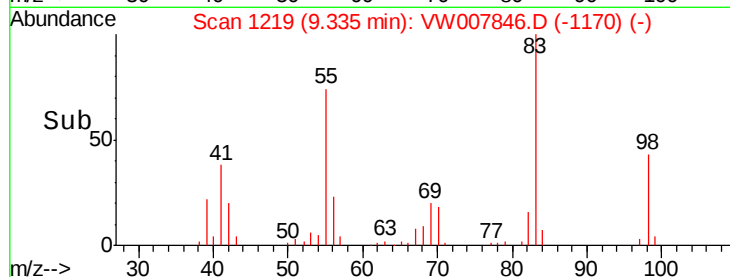
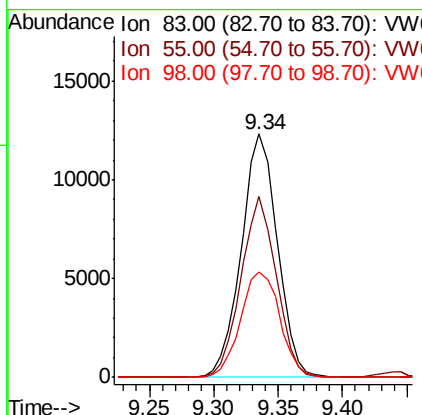
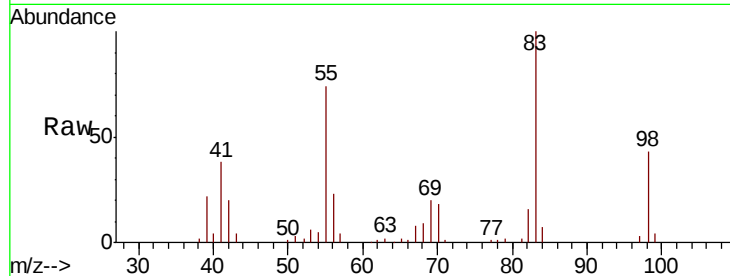
#39
Methylcyclohexane
Concen: 20.761 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.5	57.2	85.8
98	43.1	38.6	58.0

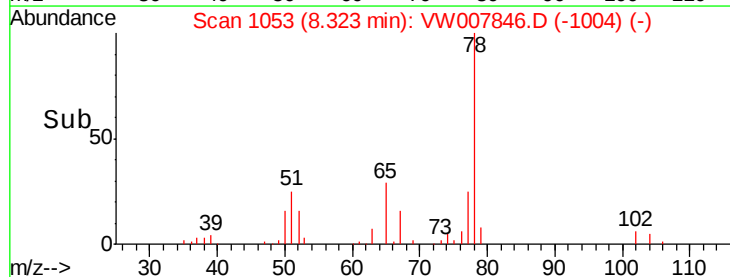
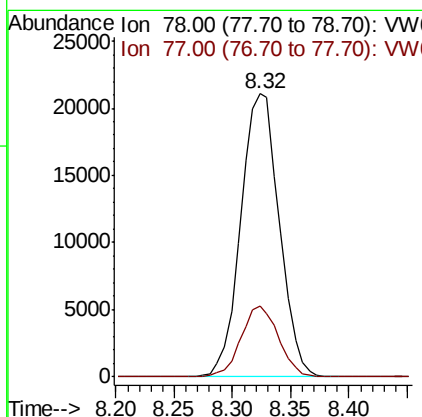
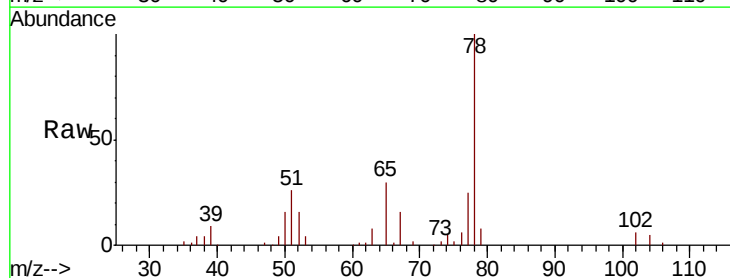
Manual Integrations
APPROVED

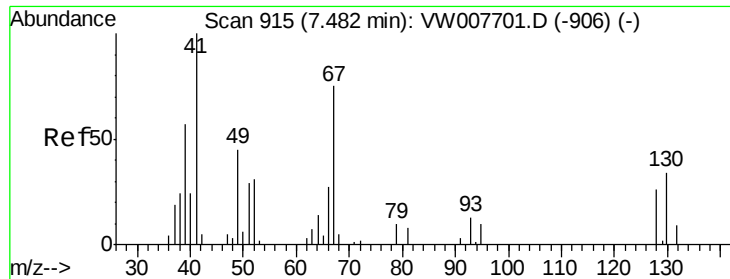
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#40
Benzene
Concen: 19.621 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.7	28.1





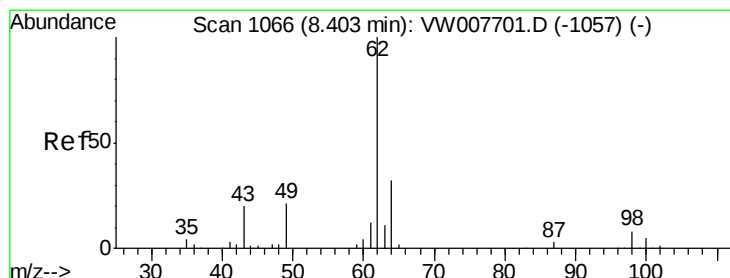
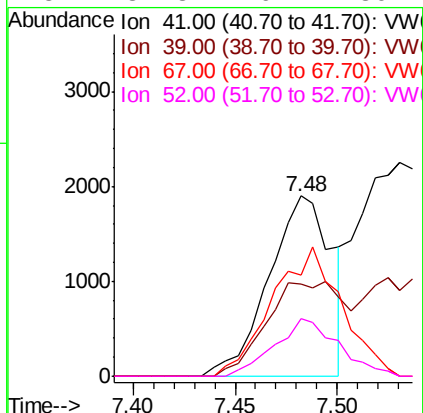
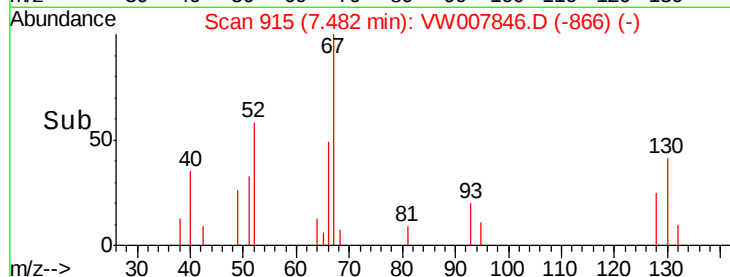
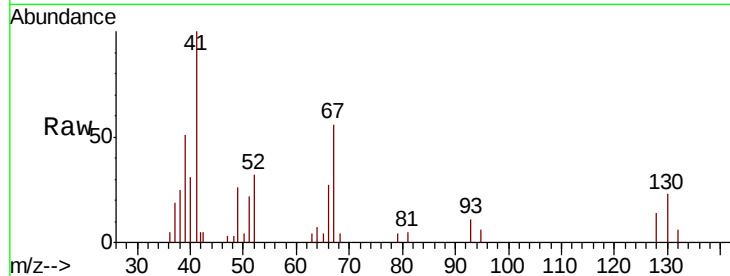
#41
Methacrylonitrile
Concen: 22.495 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.6	54.2	81.4
67	78.6	65.7	98.5
52	32.3	26.2	39.4

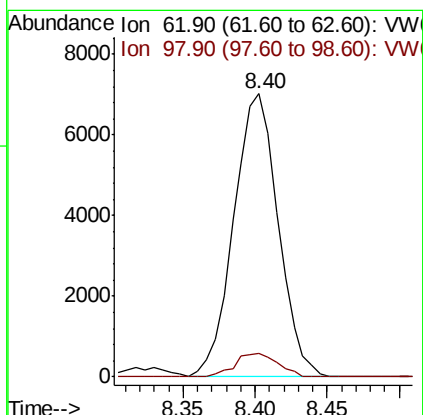
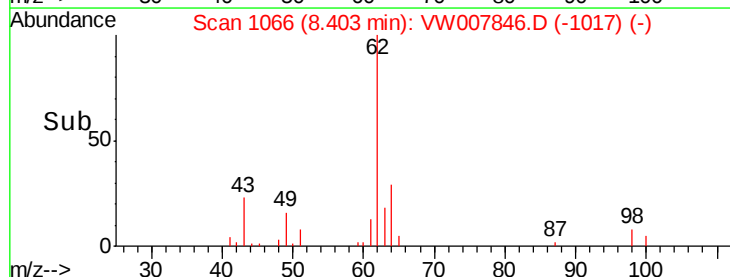
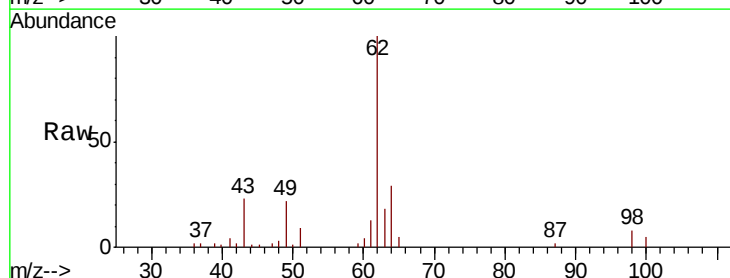
Manual Integrations
APPROVED

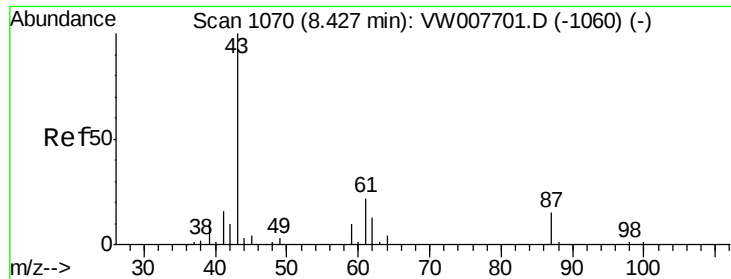
MMDadoda
12/24/2018 3:18:35 PM



#42
1,2-Dichloroethane
Concen: 18.166 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.088 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

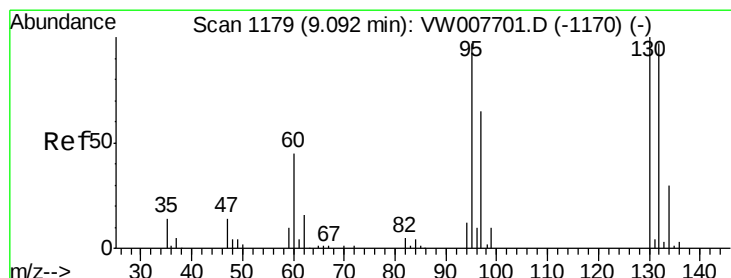
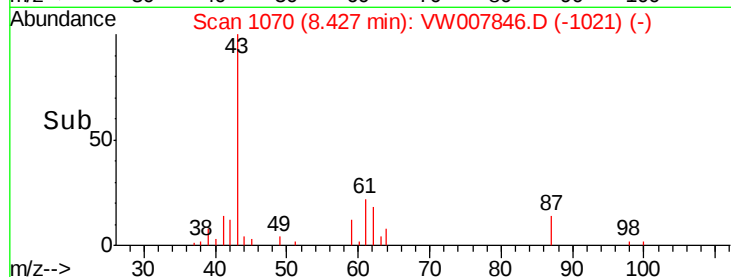
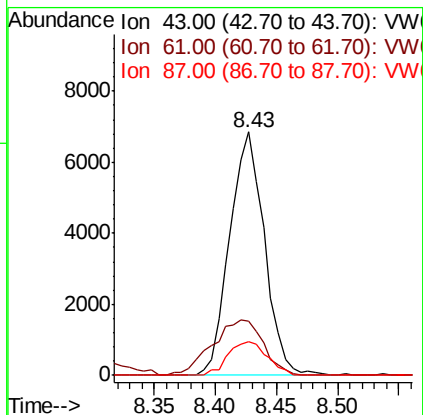
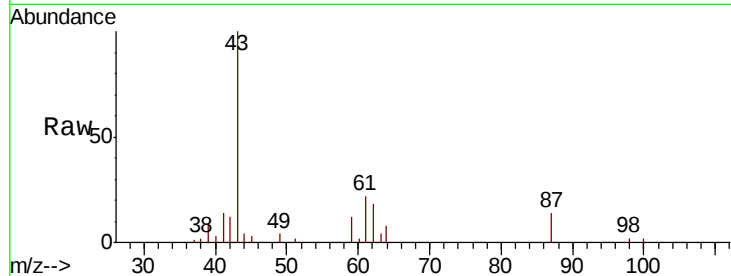
ClientSampleId :

VW1224SBSD01

Tgt Ion:	43	Resp:	13487
Ion	Ratio	Lower	Upper
43	100		
61	33.4	26.3	39.5
87	15.6	12.0	18.0

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#44

Trichloroethene

Concen: 19.224 ug/l

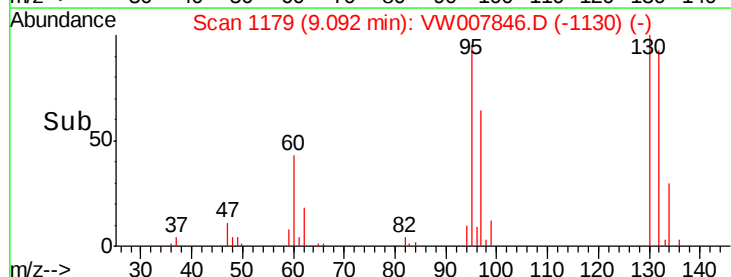
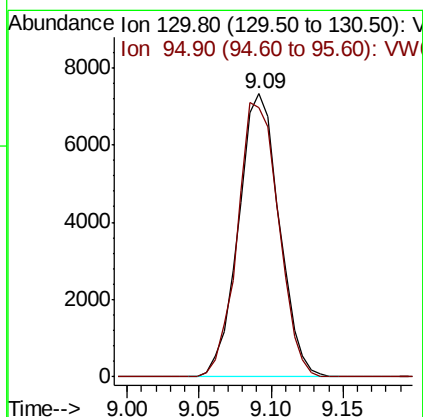
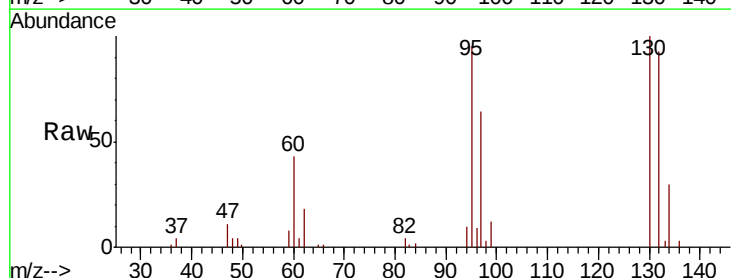
RT: 9.09 min Scan# 1179

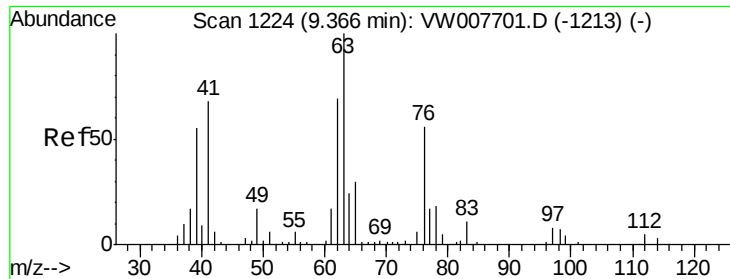
Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Tgt Ion:	130	Resp:	14350
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	194.8





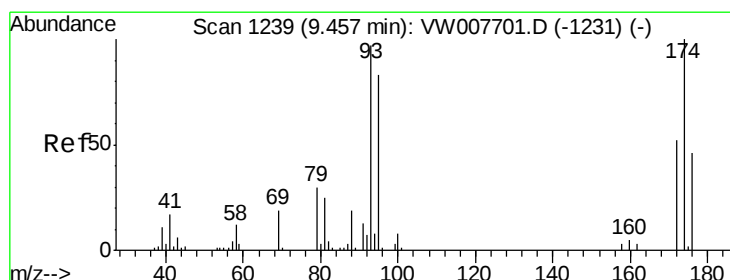
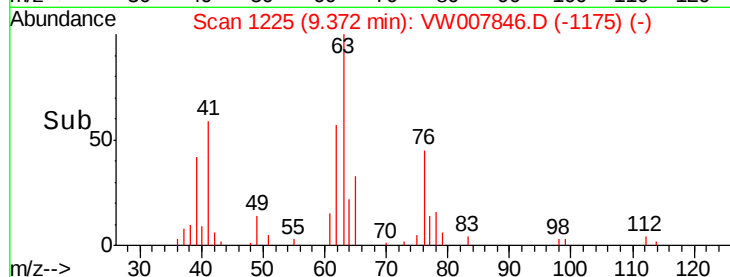
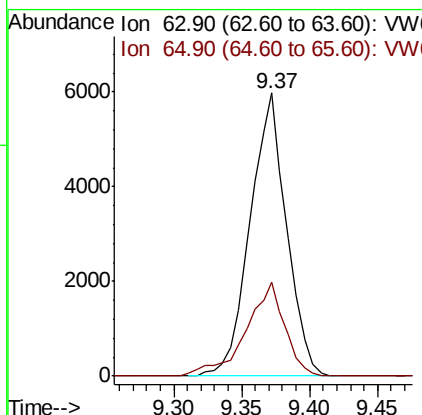
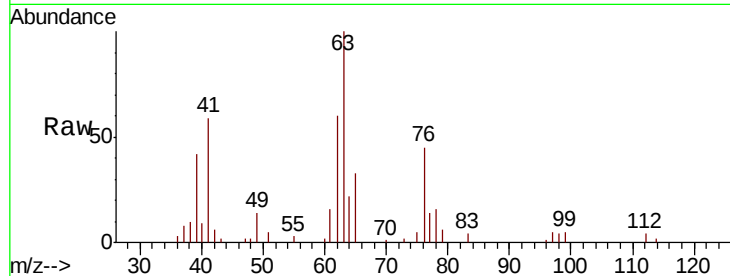
#45
 1,2-Dichloropropane
 Concen: 20.440 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion: 63 Resp: 11195
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.8 35.8

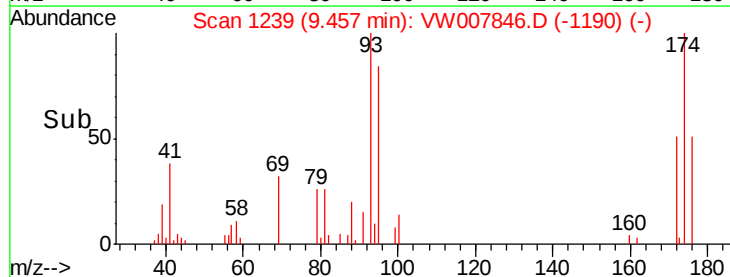
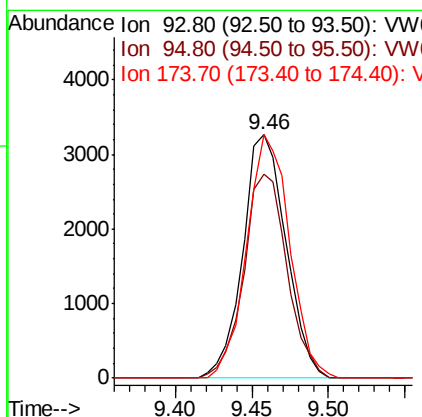
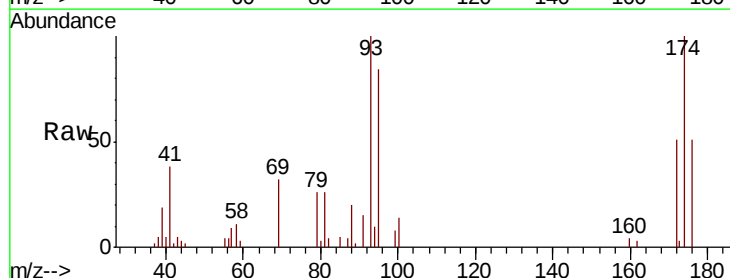
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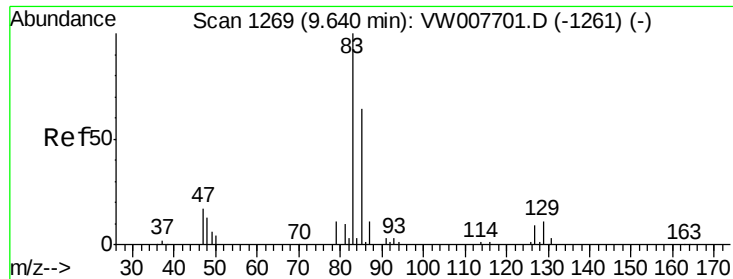
MMDadoda
 12/24/2018 3:18:35 PM



#46
 Dibromomethane
 Concen: 18.995 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion: 93 Resp: 6404
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.5 101.3
 174 99.6 83.9 125.9





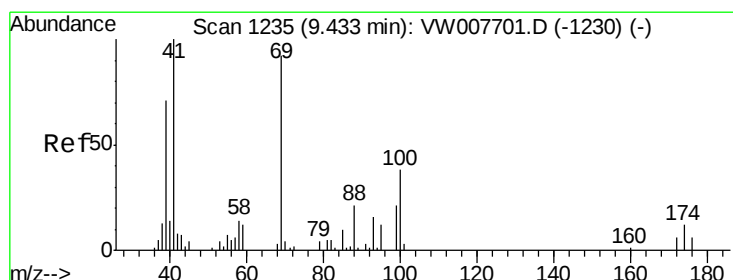
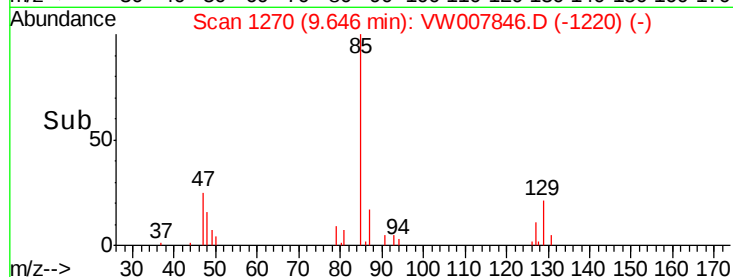
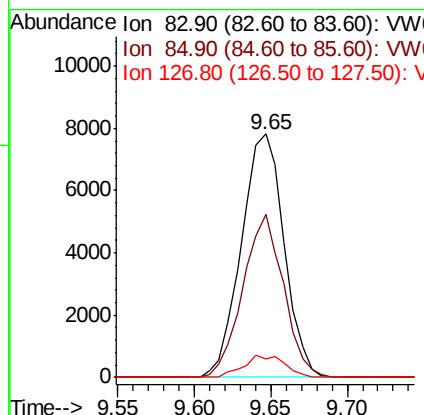
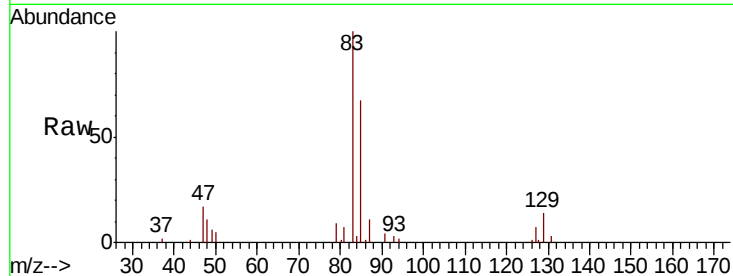
#47
Bromodichloromethane
Concen: 17.098 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	67.1	51.4	77.0
127	7.4	7.5	11.3#

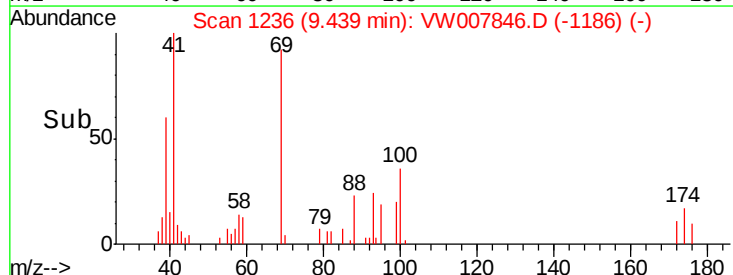
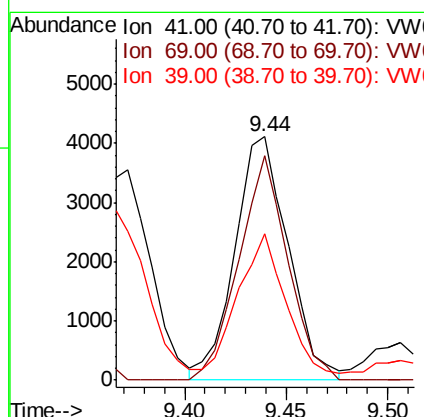
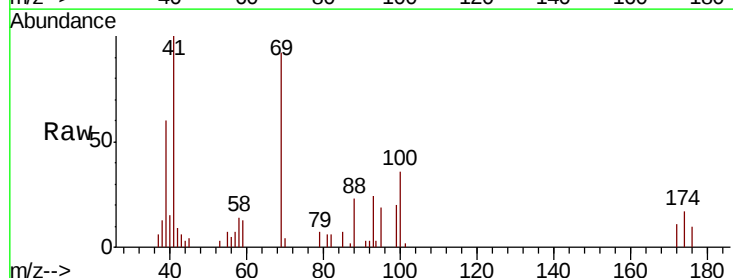
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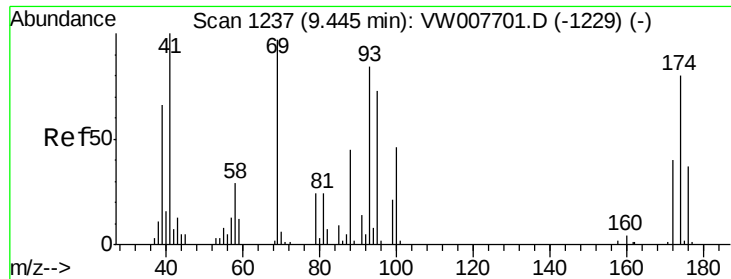
MMDadoda
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#48
Methyl methacrylate
Concen: 23.390 ug/l m
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Resp Lower	Upper
41	100		
69	84.9	74.2	111.2
39	50.6	53.9	80.9#





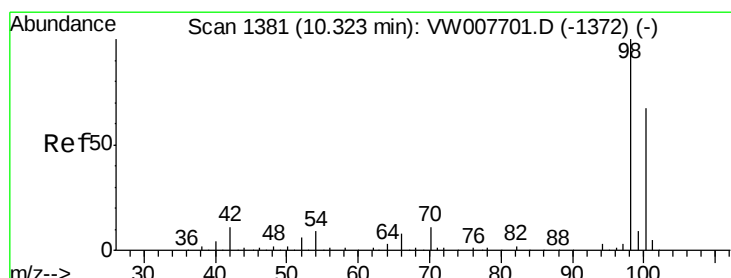
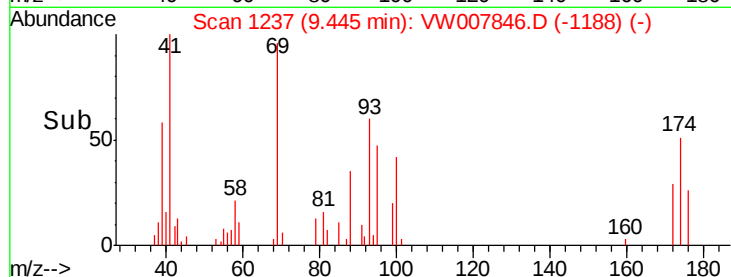
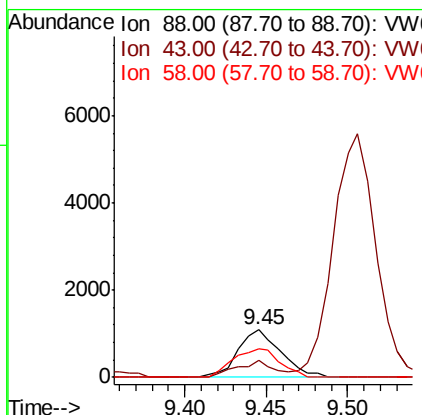
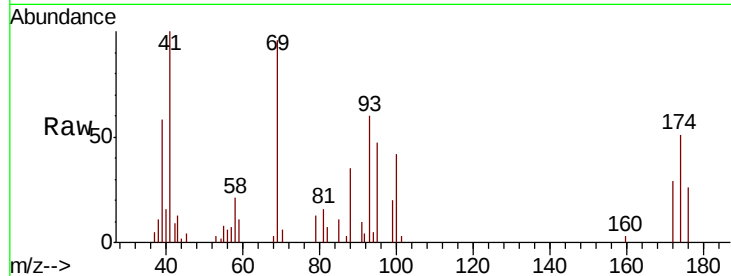
#49
 1,4-Dioxane
 Concen: 373.408 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.6	25.6	38.4
58	65.5	52.3	78.5

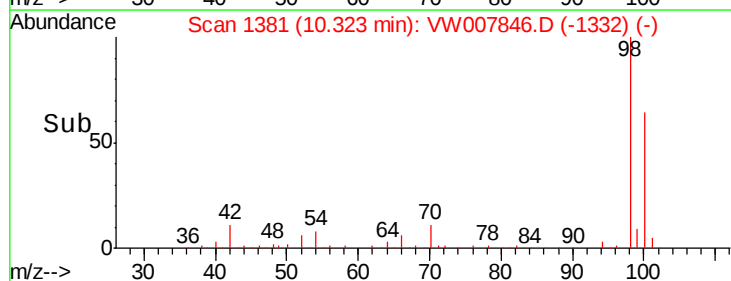
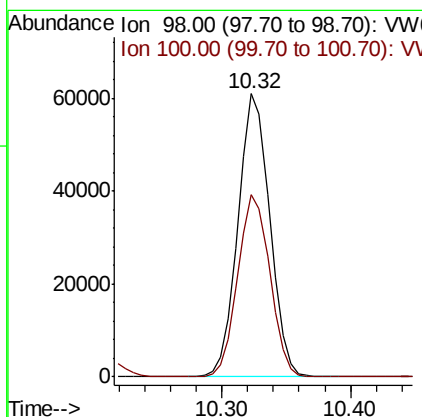
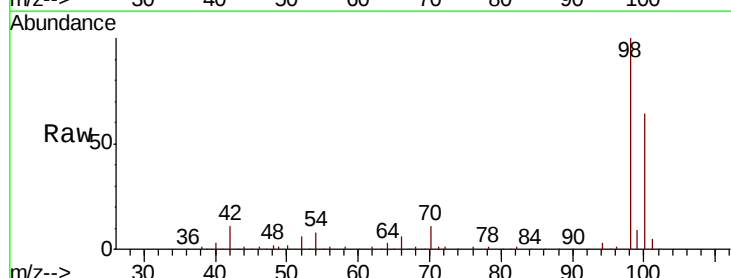
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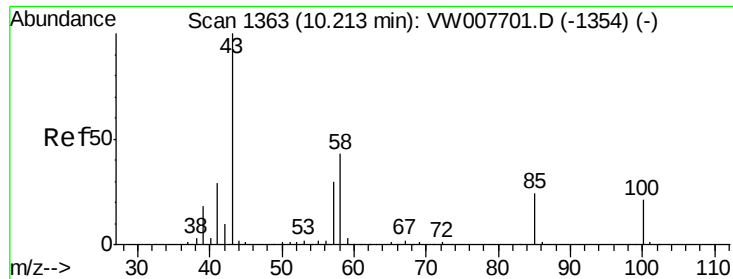
MMDadoda
 12/24/2018 3:18:35 PM



#50
 Toluene-d8
 Concen: 47.265 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 109.669 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 43 Resp: 33148

Ion Ratio Lower Upper

43 100

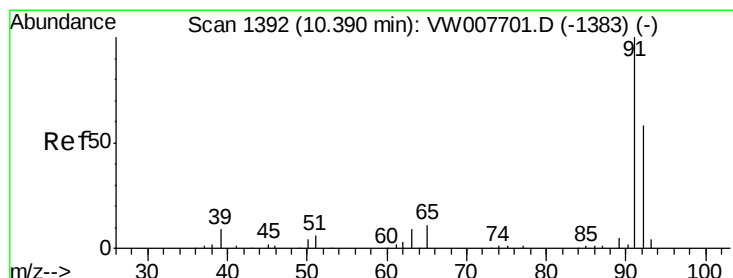
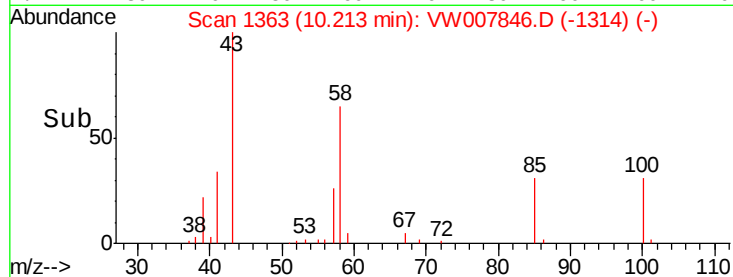
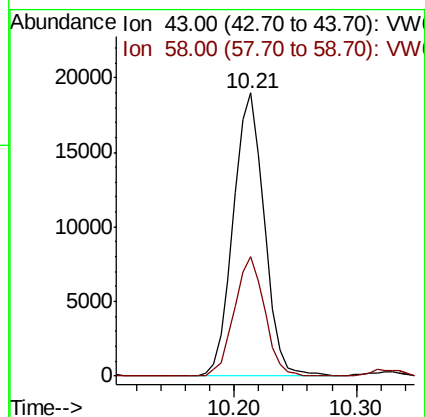
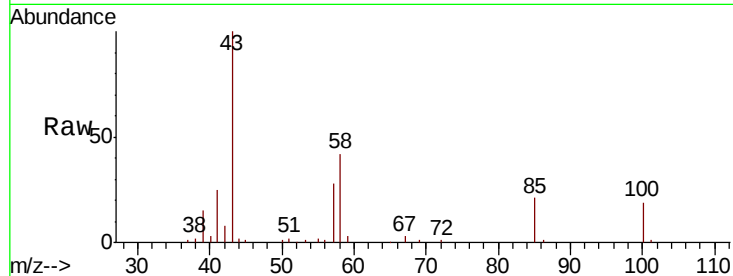
58 41.2 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 25.198 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007846.D

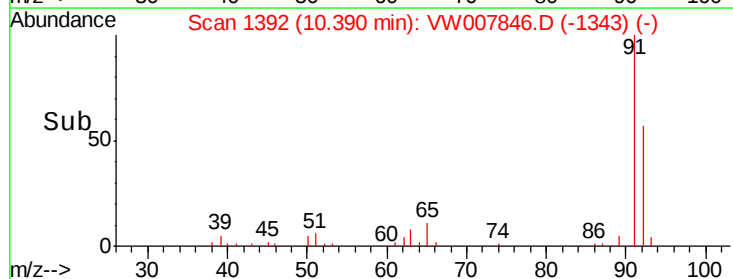
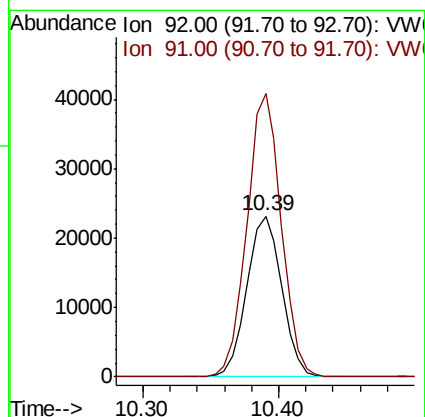
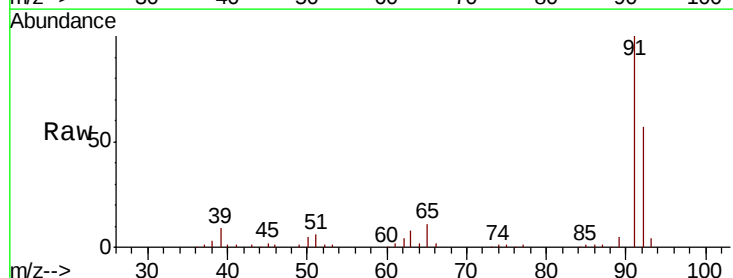
Acq: 22 Dec 2018 16:44

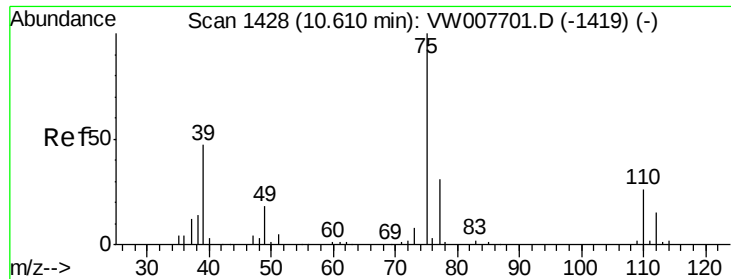
Tgt Ion: 92 Resp: 41730

Ion Ratio Lower Upper

92 100

91 172.3 137.0 205.4





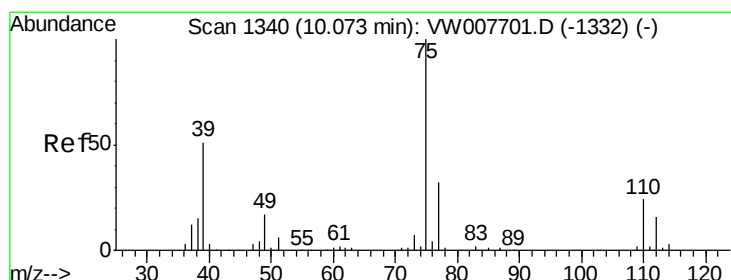
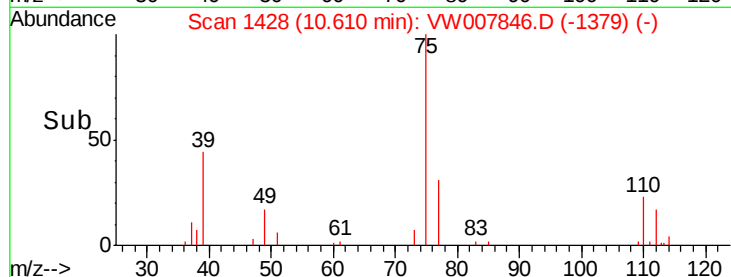
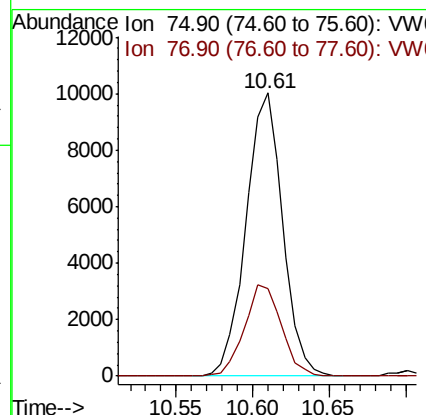
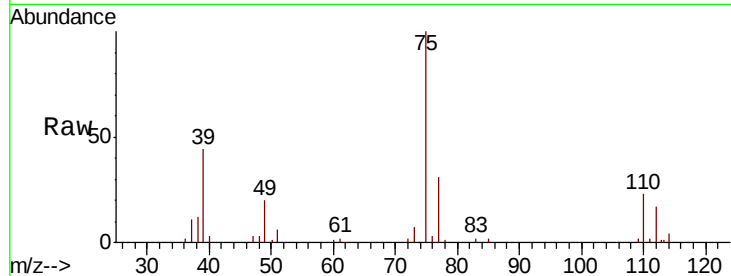
#53
t-1,3-Dichloropropene
Concen: 18.886 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 75 Resp: 16650
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8

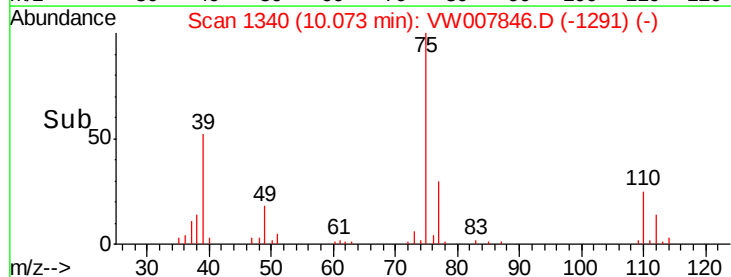
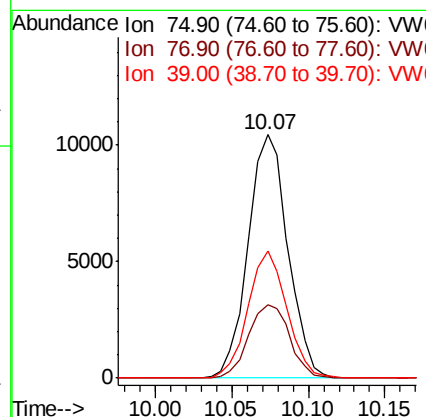
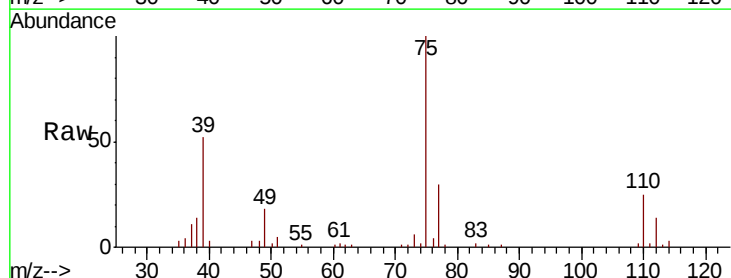
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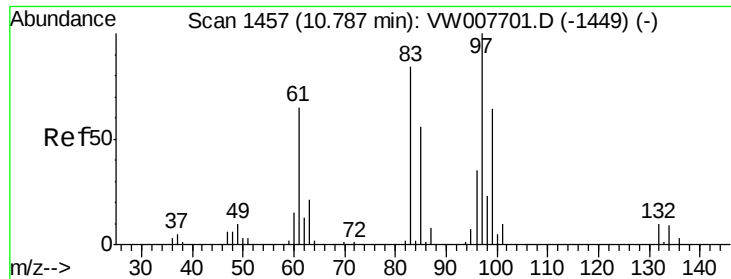
MMDadoda
12/24/2018 3:18:35 PM



#54
cis-1,3-Dichloropropene
Concen: 19.398 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion: 75 Resp: 18890
Ion Ratio Lower Upper
75 100
77 30.0 25.5 38.3
39 52.1 41.2 61.8





#55

1,1,2-Trichloroethane

Concen: 19.944 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

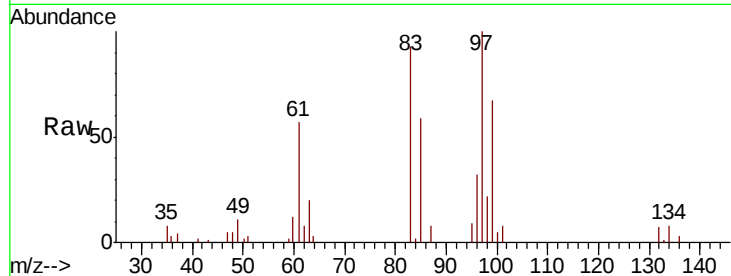
ClientSampleId :

VW1224SBS01

Tgt Ion:	97	Resp:	9270
Ion	Ratio	Lower	Upper
97	100		
83	92.7	67.5	101.3
85	58.5	44.8	67.2
99	66.8	51.0	76.4

Manual Integrations
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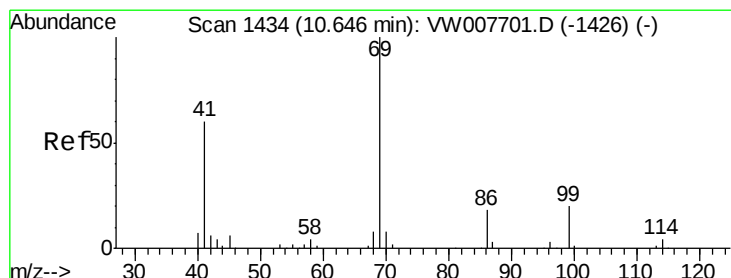
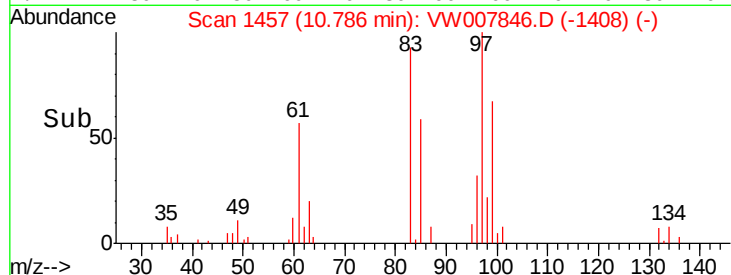
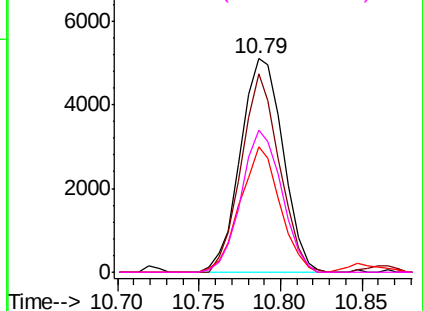
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.985 ug/l

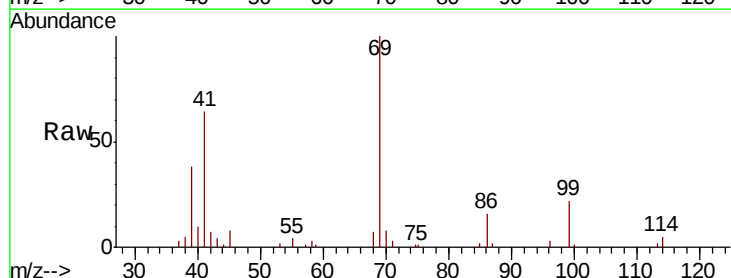
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Tgt Ion:	69	Resp:	11524
Ion	Ratio	Lower	Upper
69	100		
41	64.1	48.9	73.3
39	33.2	31.3	46.9

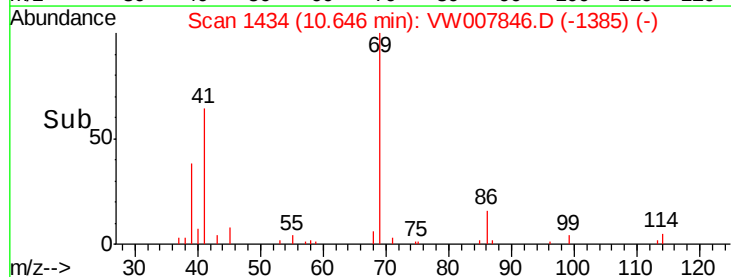
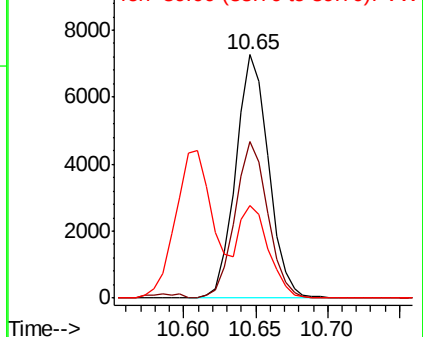


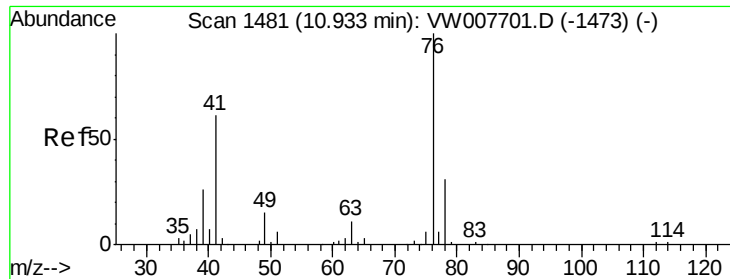
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





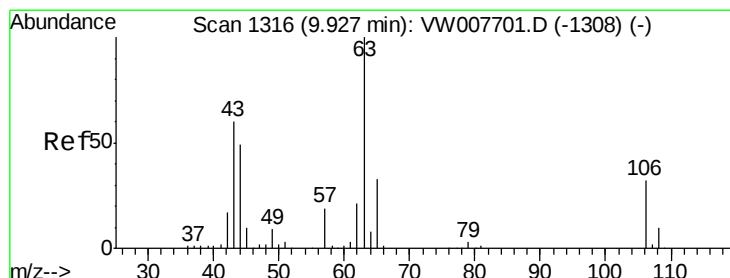
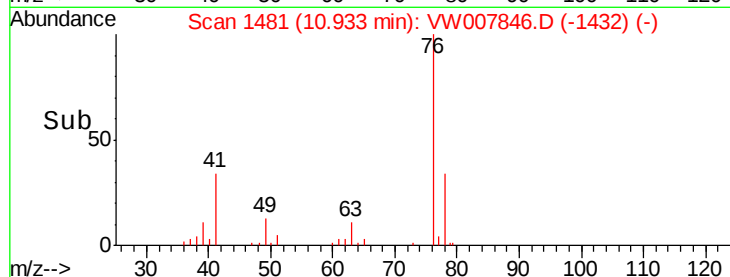
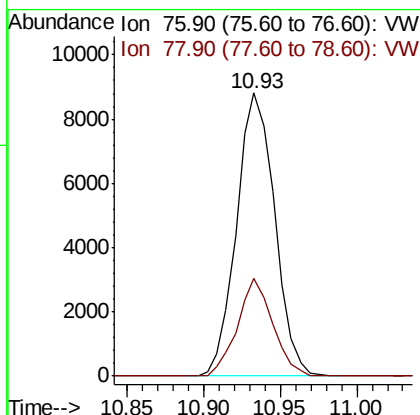
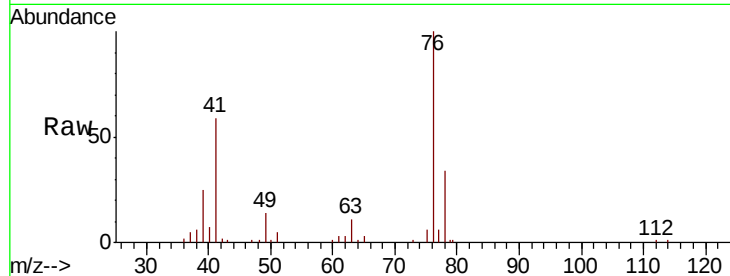
#57
 1,3-Dichloropropane
 Concen: 19.774 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion: 76 Resp: 15262
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

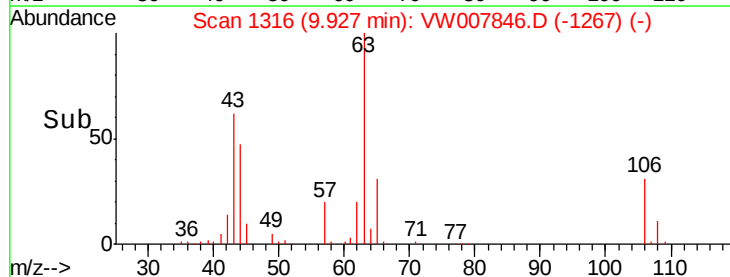
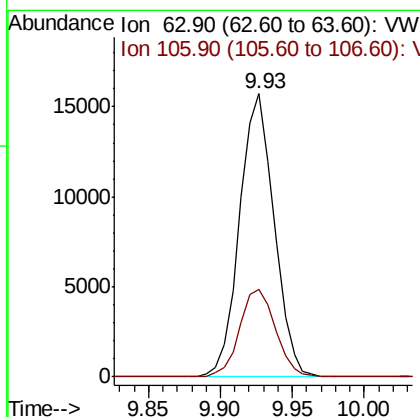
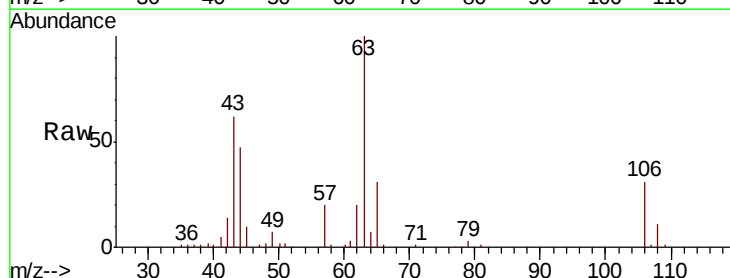
Manual Integrations
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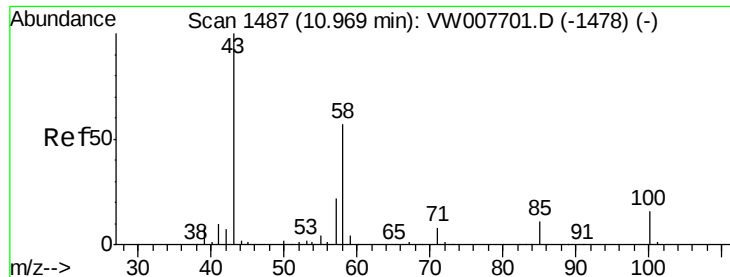
MMDadoda
 12/24/2018 3:18:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.292 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion: 63 Resp: 26149
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.9 38.9





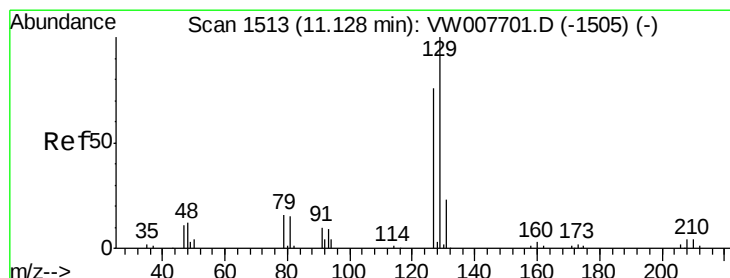
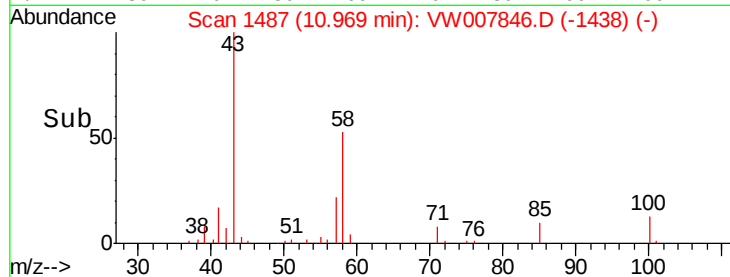
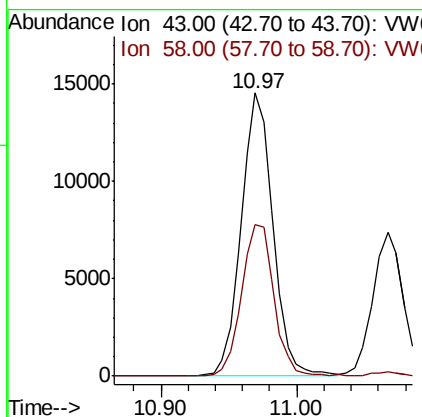
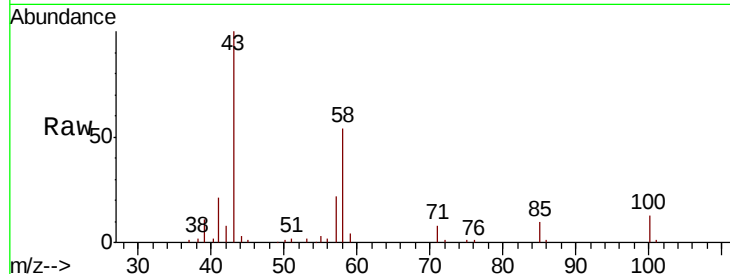
#59
2-Hexanone
Concen: 111.414 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 43 Resp: 23683
Ion Ratio Lower Upper
43 100
58 54.6 27.7 83.1

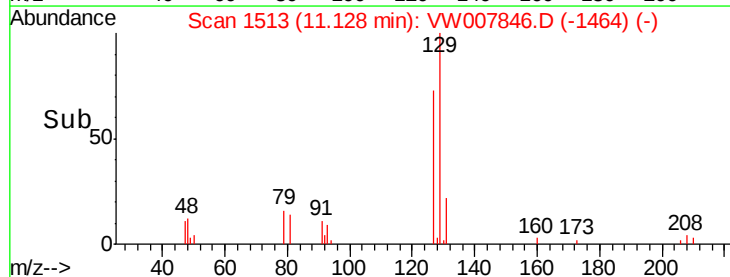
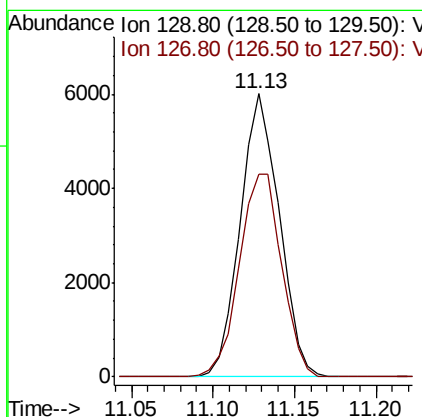
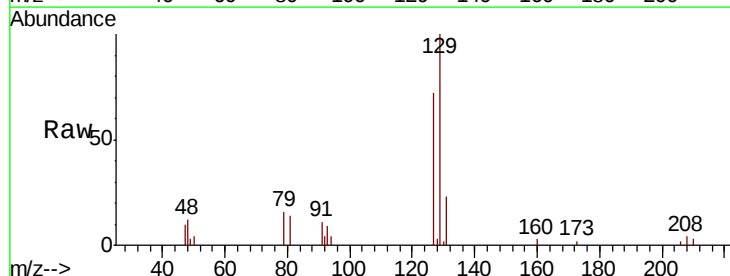
Manual Integrations
APPROVED

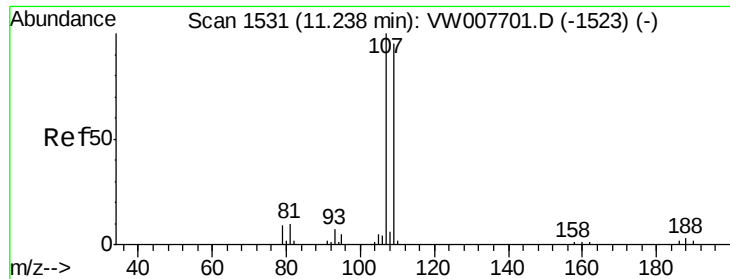
MMDadoda
12/24/2018 3:18:35 PM



#60
Dibromochloromethane
Concen: 16.301 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion: 129 Resp: 10032
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9





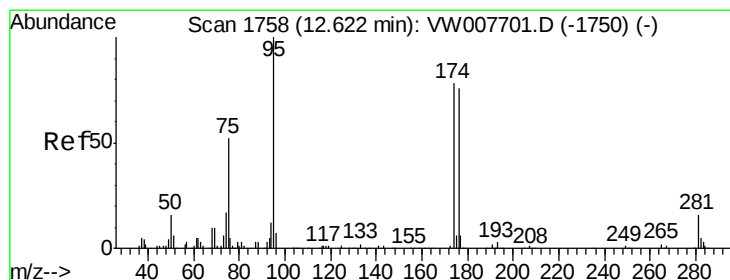
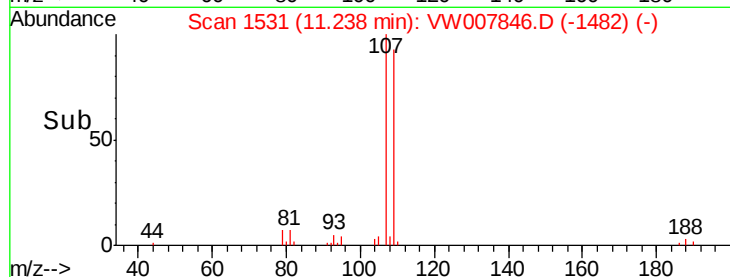
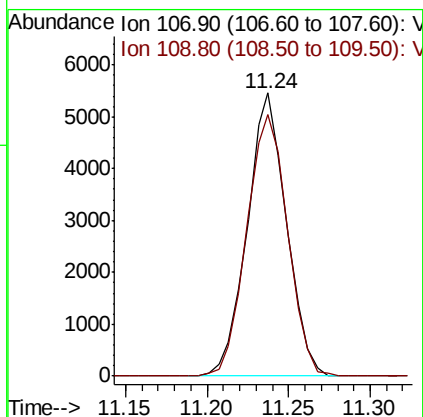
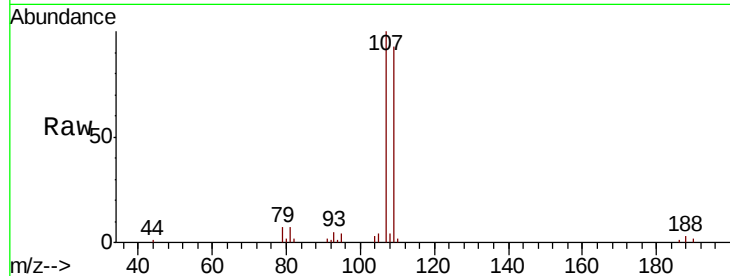
#61
 1,2-Dibromoethane
 Concen: 19.366 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion: 107 Resp: 9115
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.4 113.0

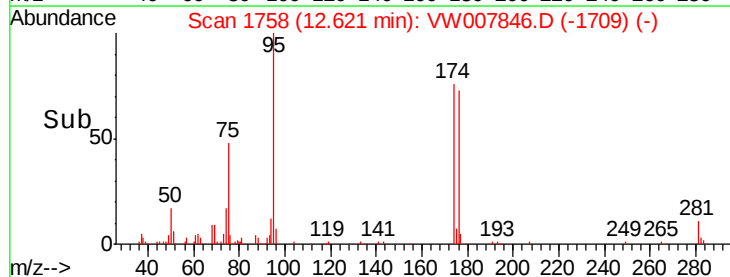
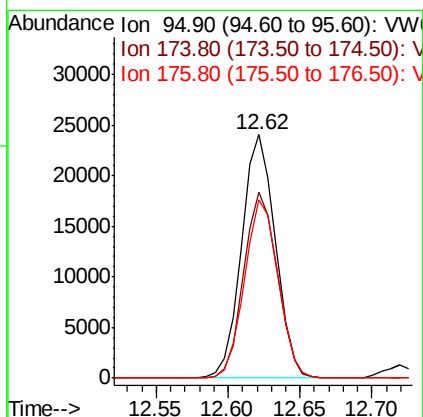
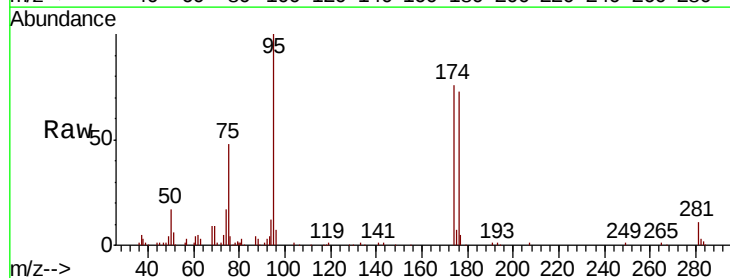
Manual Integrations
 APPROVED

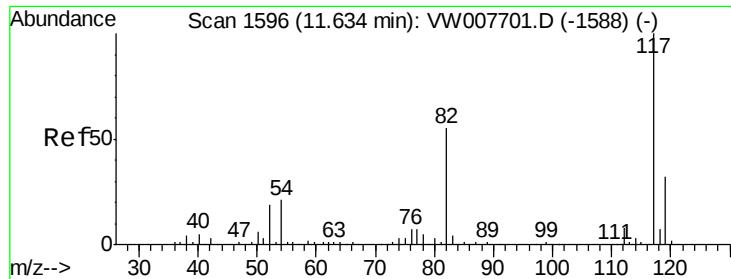
MMDadoda
 12/24/2018 3:18:35 PM



#62
 4-Bromofluorobenzene
 Concen: 45.758 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion: 95 Resp: 38962
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 152.2
 176 73.0 0.0 146.8





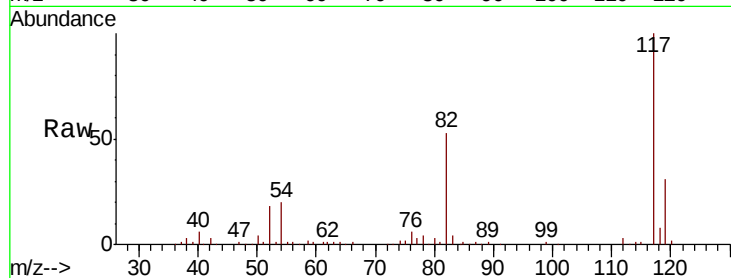
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.3	66.5
119	31.1	25.7	38.5

Manual Integrations
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MMDadoda
12/24/2018 3:18:35 PM

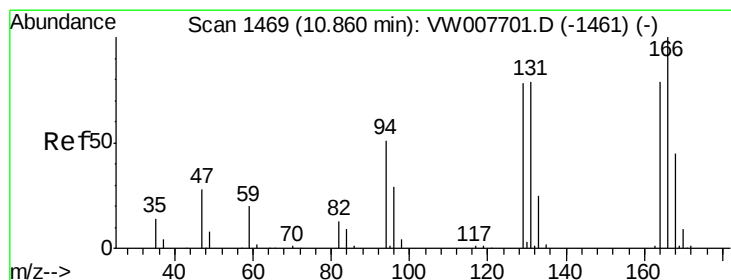
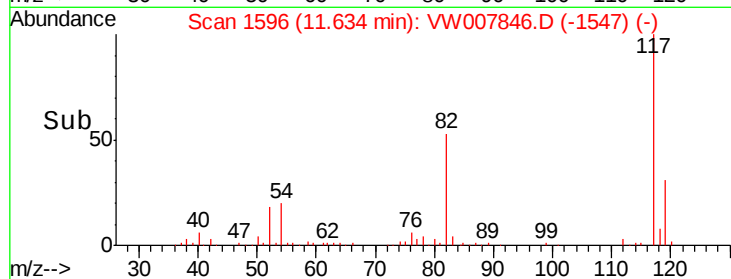
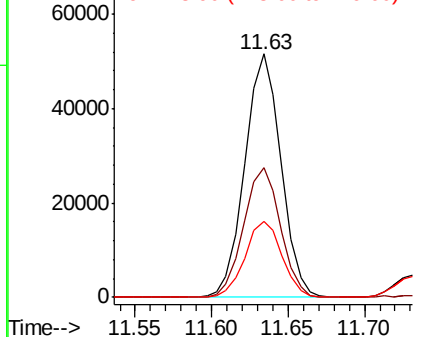


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.650 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.0	151.6
129	92.9	78.7	118.1
131	97.0	79.4	119.0

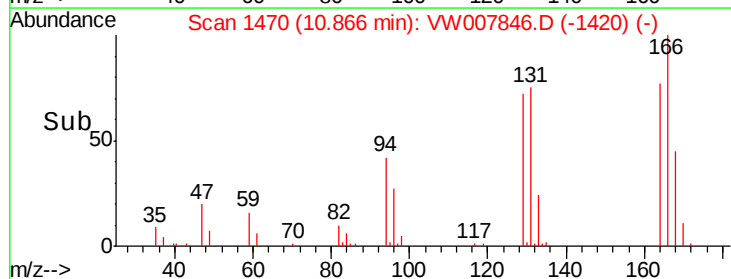
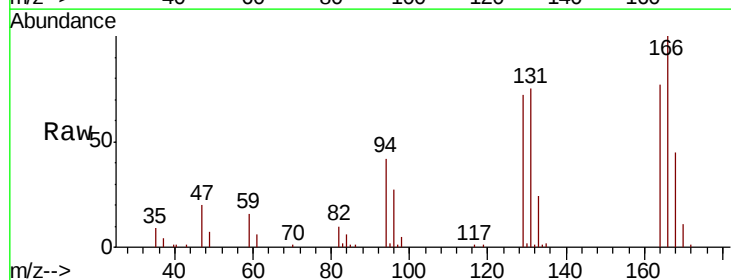
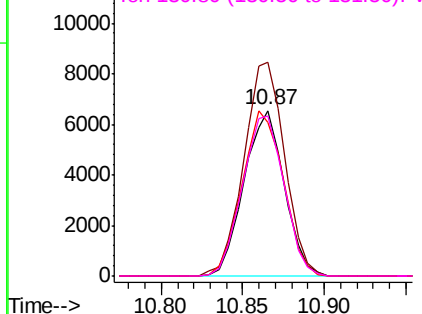
Abundance

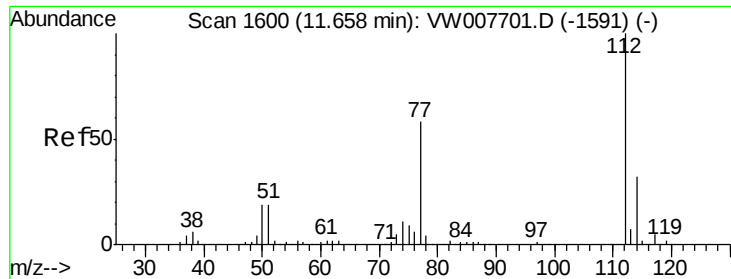
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





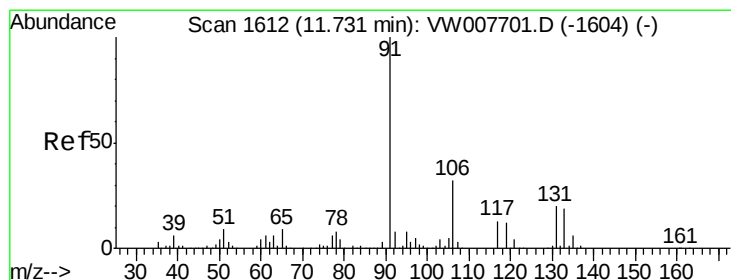
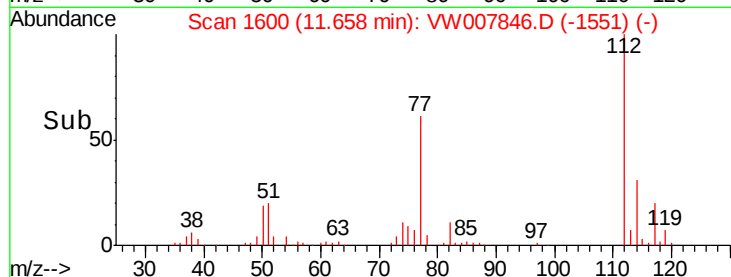
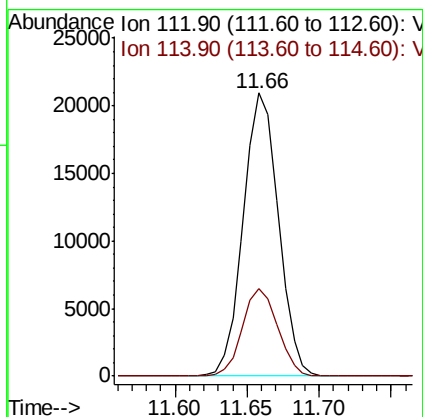
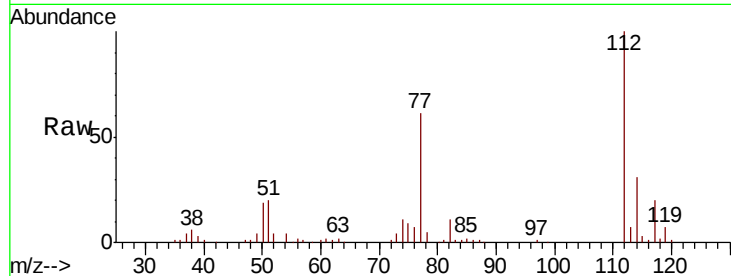
#65
Chlorobenzene
Concen: 19.327 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBSD01

Tgt Ion:112 Resp: 35415
Ion Ratio Lower Upper
112 100
114 30.9 25.2 37.8

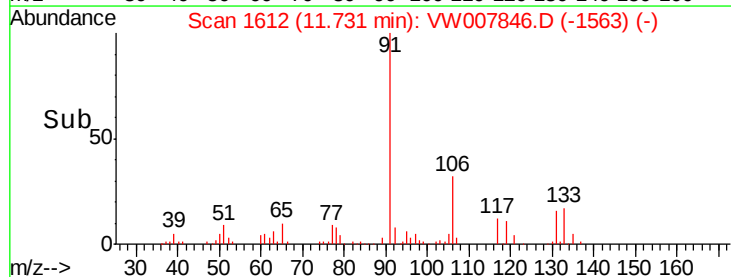
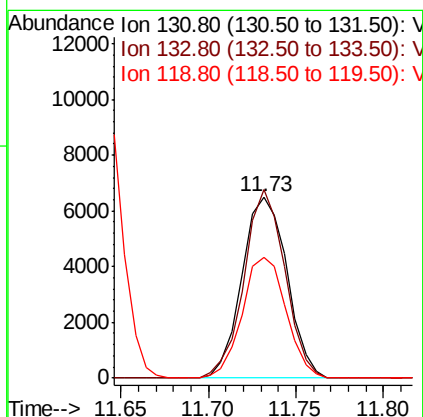
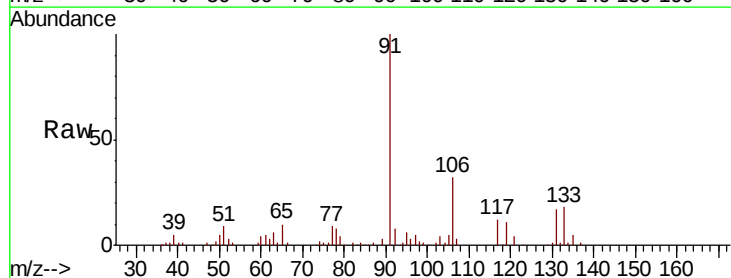
Manual Integrations
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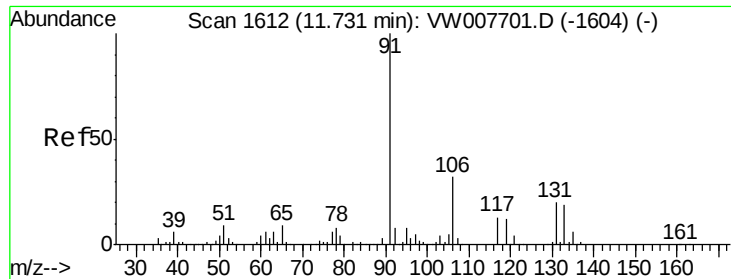
MMDadoda
12/24/2018 3:18:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.895 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion:131 Resp: 11717
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.5
119 65.1 30.2 90.6





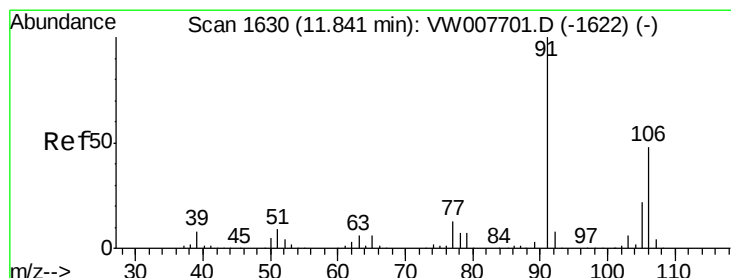
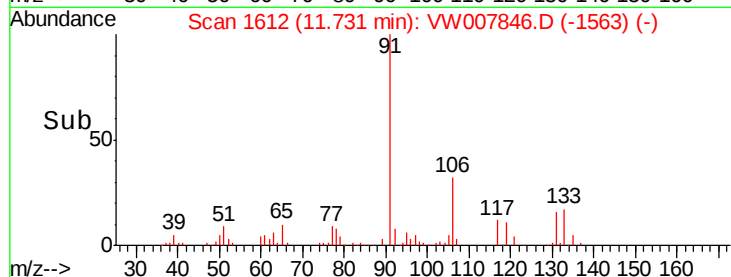
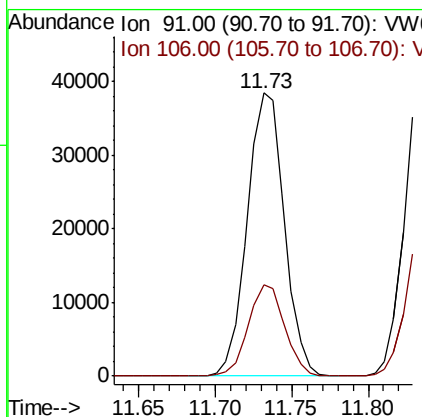
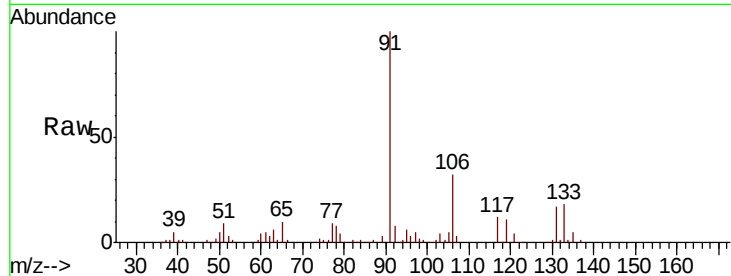
#67
Ethyl Benzene
Concen: 20.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 91 Resp: 64715
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.8

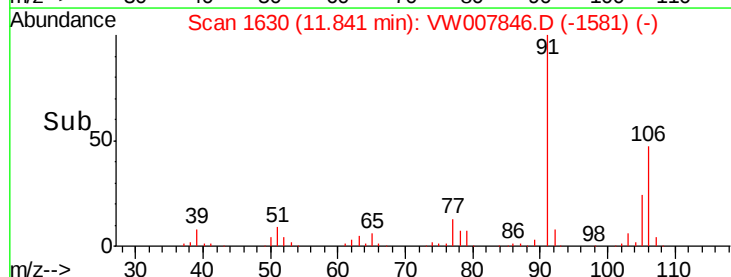
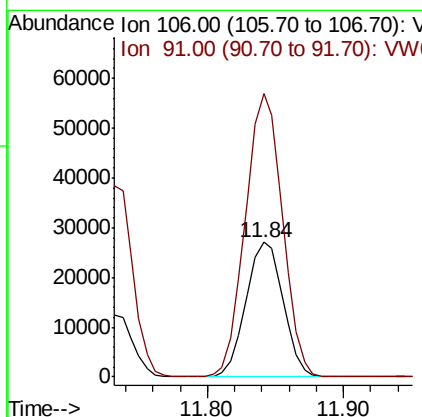
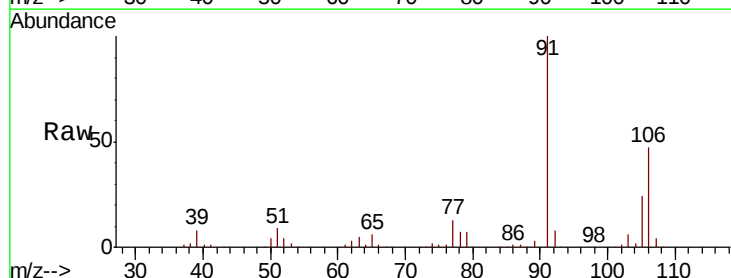
Manual Integrations
APPROVED

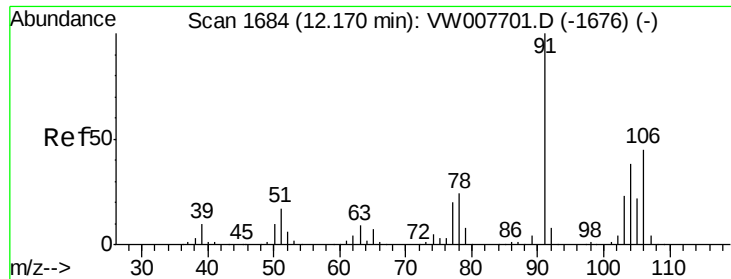
MMDadoda
12/24/2018 3:18:35 PM



#68
m/p-Xylenes
Concen: 42.552 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion: 106 Resp: 51904
Ion Ratio Lower Upper
106 100
91 210.1 165.2 247.8





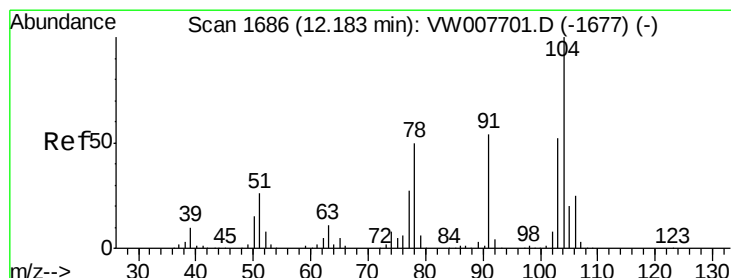
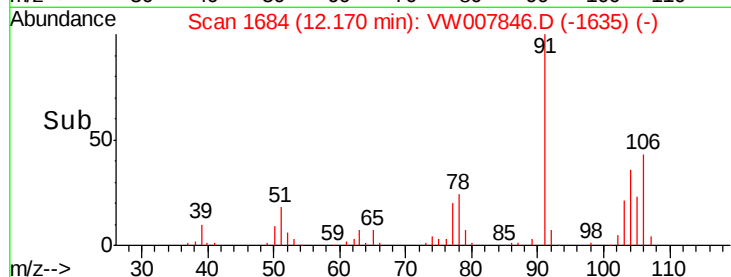
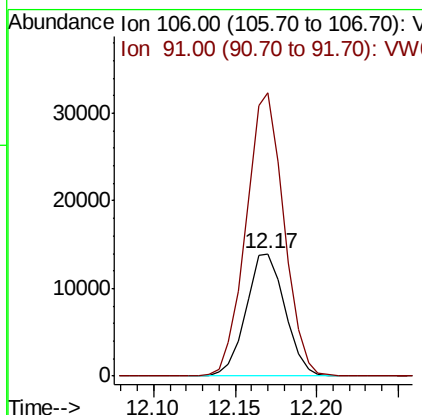
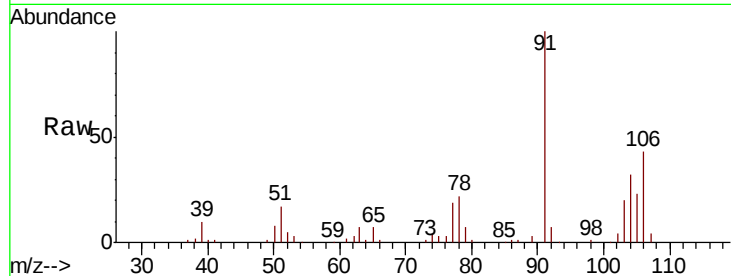
#69
o-Xylene
Concen: 20.137 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion:106 Resp: 23025
Ion Ratio Lower Upper
106 100
91 226.7 110.5 331.4

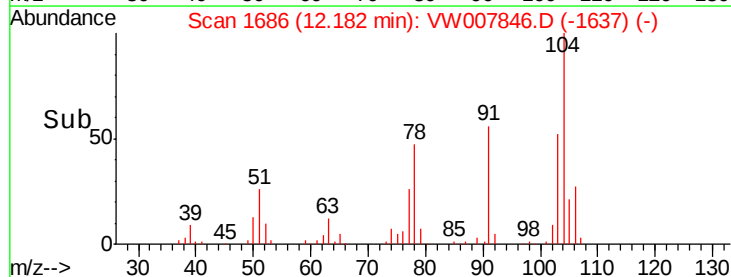
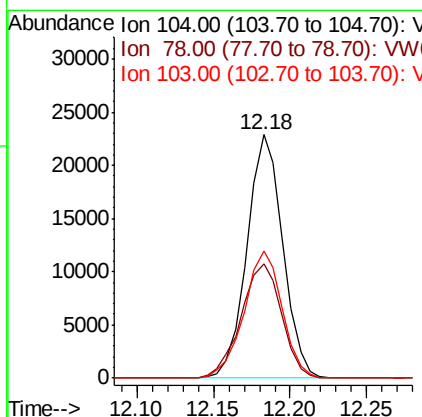
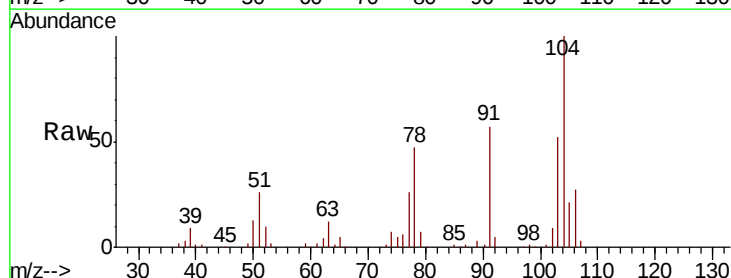
Manual Integrations
APPROVED

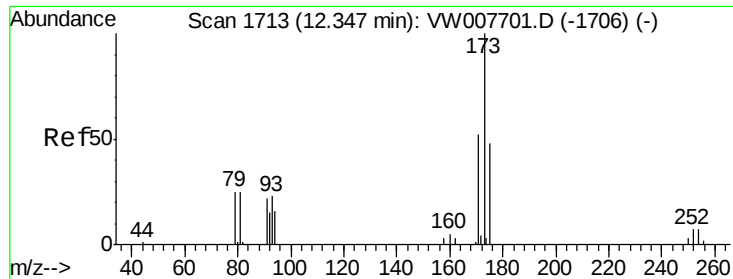
MMDadoda
12/24/2018 3:18:35 PM



#70
Styrene
Concen: 19.826 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion:104 Resp: 37263
Ion Ratio Lower Upper
104 100
78 52.9 43.4 65.0
103 55.4 44.5 66.7





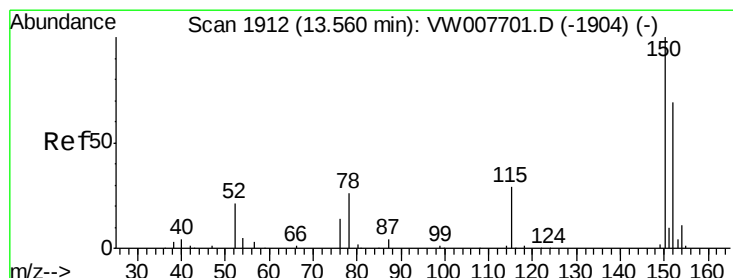
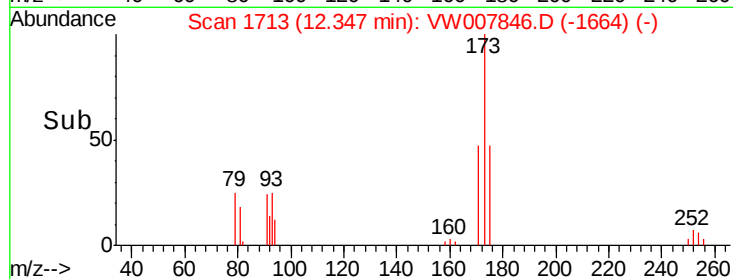
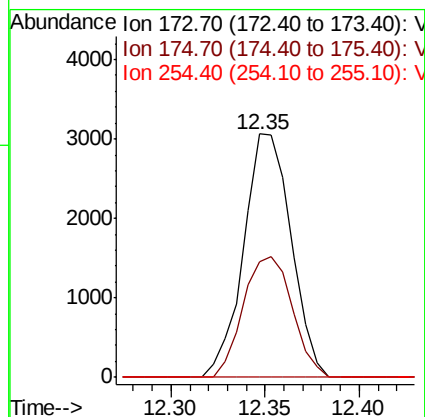
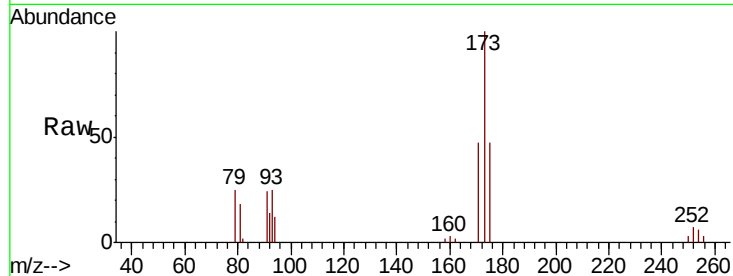
#71
Bromoform
Concen: 15.781 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.1	23.9	71.7
254	0.0	0.0	0.0

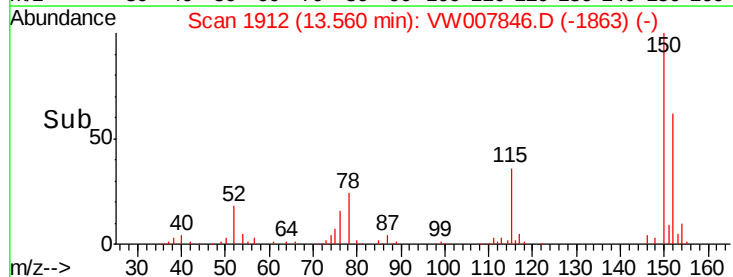
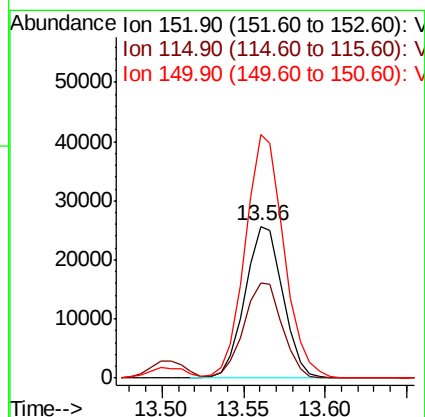
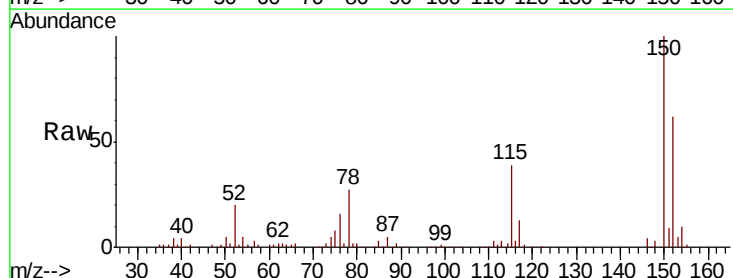
Manual Integrations
APPROVED

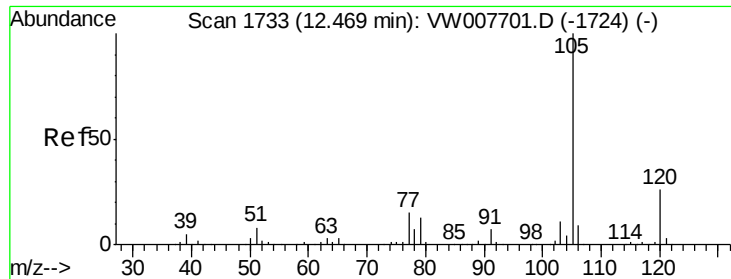
MMDadoda
12/24/2018 3:18:35 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.8	95.4
150	164.4	0.0	350.8





#73

Isopropylbenzene

Concen: 20.782 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBSD01

Tgt Ion: 105 Resp: 64966

Ion Ratio Lower Upper

105 100

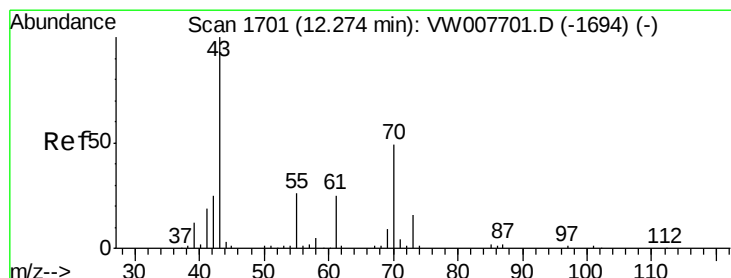
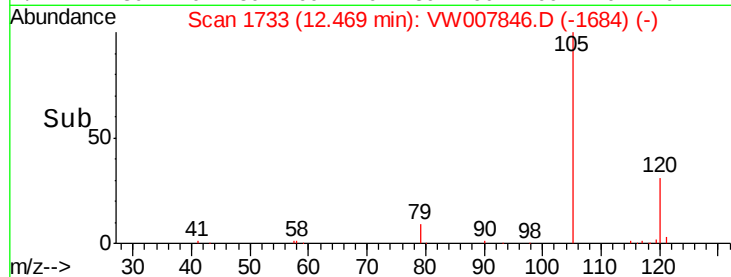
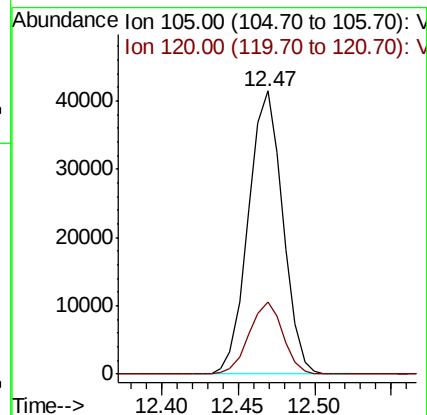
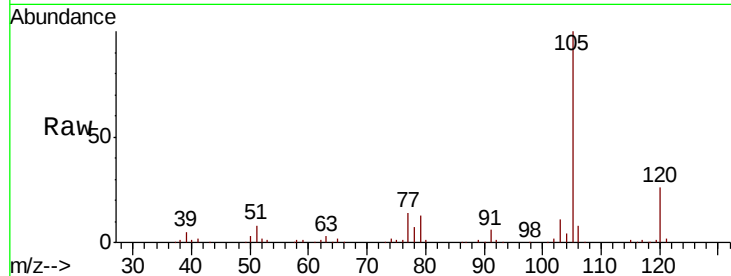
120 24.9 13.1 39.3

Manual Integrations

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12/24/2018 3:18:35 PM



#74

N-ethyl acetate

Concen: 23.048 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Tgt Ion: 43 Resp: 12480

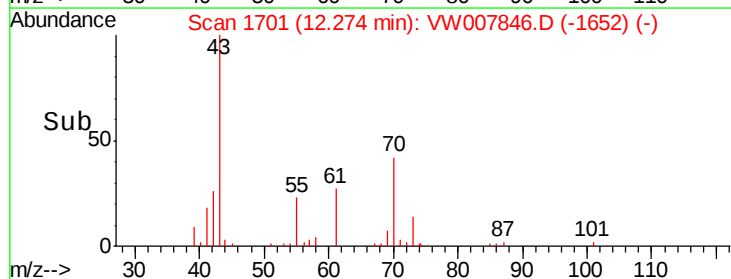
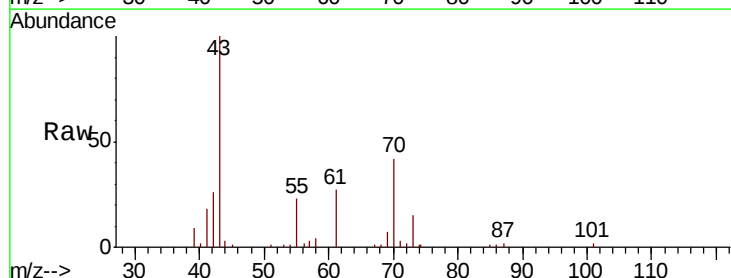
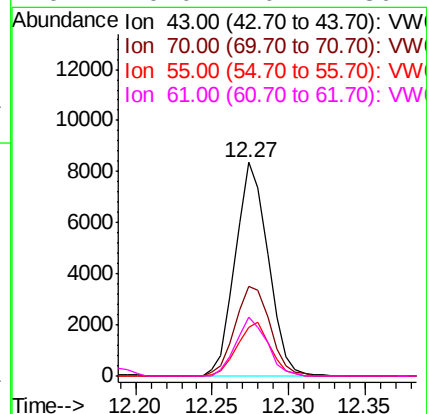
Ion Ratio Lower Upper

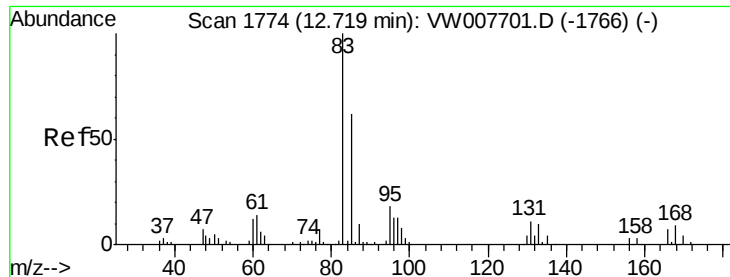
43 100

70 44.6 37.6 56.4

55 24.9 21.7 32.5

61 26.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.583 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

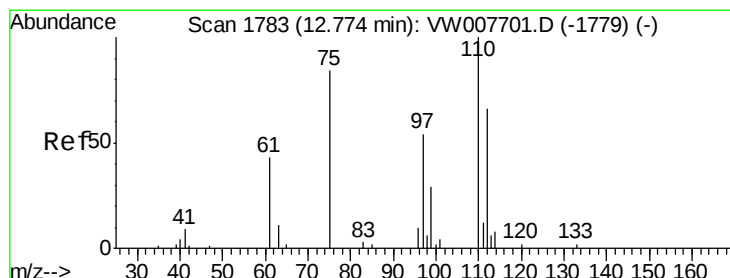
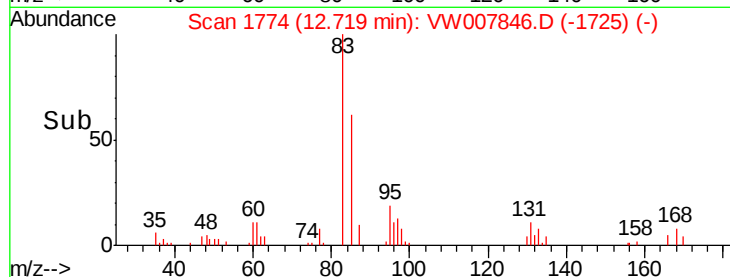
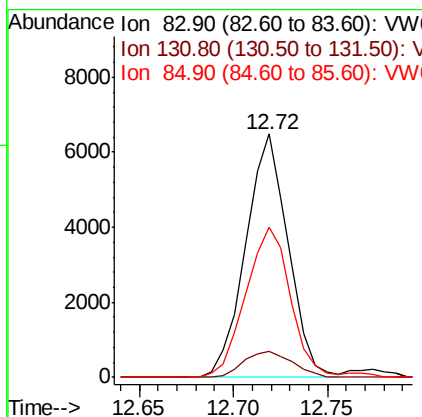
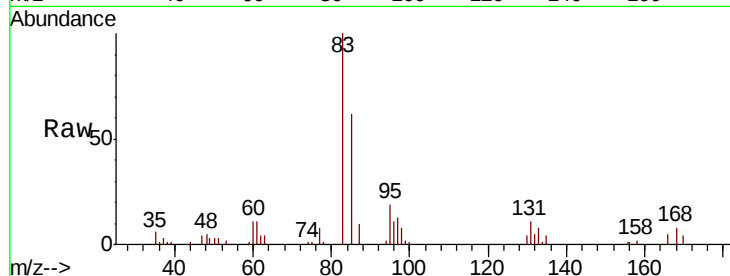
ClientSampleId :

VW1224SBSD01

Tgt Ion:	83	Resp:	10116
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.3	18.8
85	64.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 26.232 ug/l m

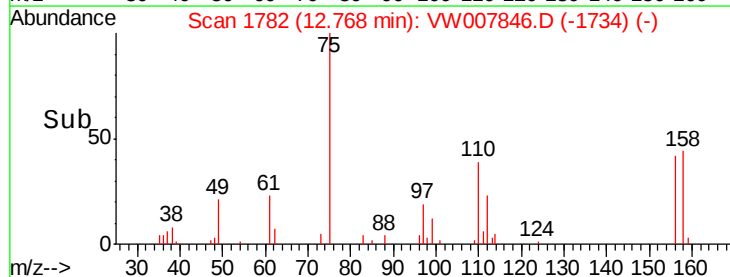
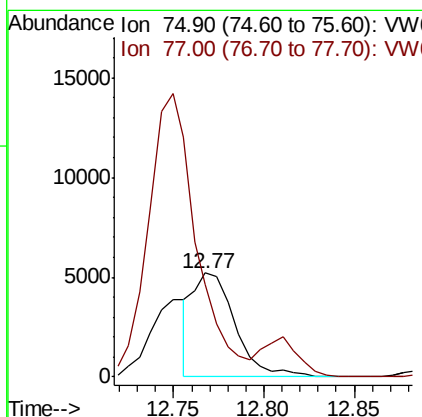
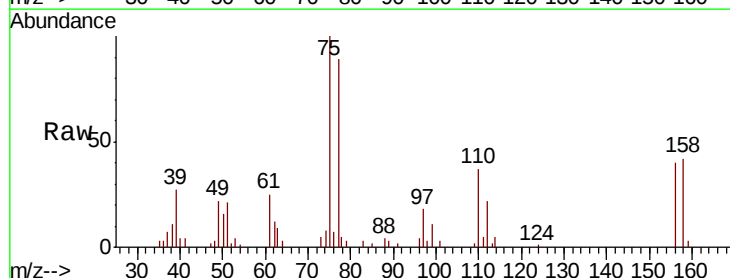
RT: 12.77 min Scan# 1782

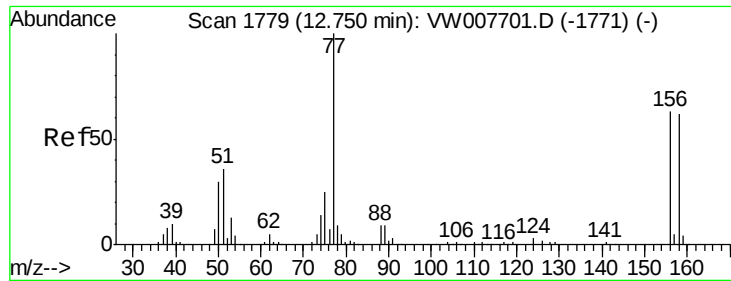
Delta R.T. -0.01 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Tgt Ion:	75	Resp:	8385
Ion Ratio	Lower	Upper	
75	100		
77	313.0	0.0	0.0#





#77

Bromobenzene

Concen: 19.554 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007846.D

Acq: 22 Dec 2018 16:44

Instrument :

MSVOA_W

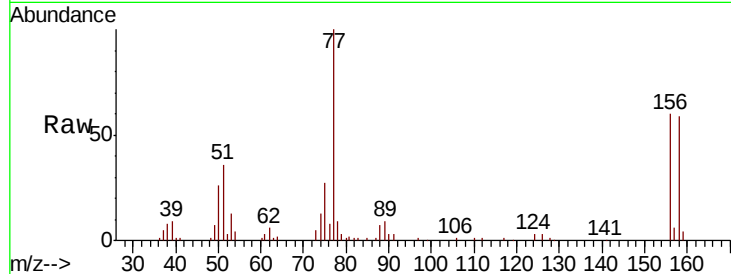
ClientSampleId :

VW1224SBSD01

Tgt Ion	Resp	Lower	Upper
156	14009		
77	187.4	87.4	262.1
158	97.3	48.4	145.0

Manual Integrations
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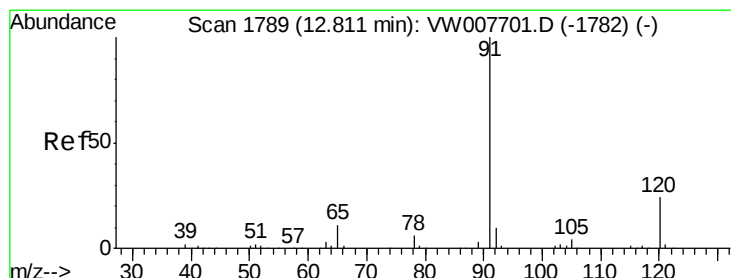
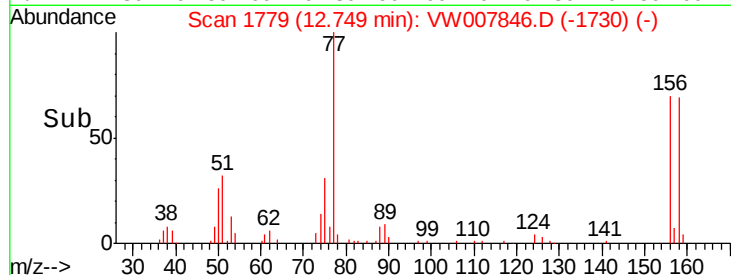
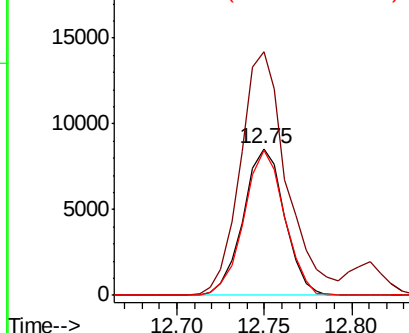
MMDadoda
12/24/2018 3:18:35 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.282 ug/l

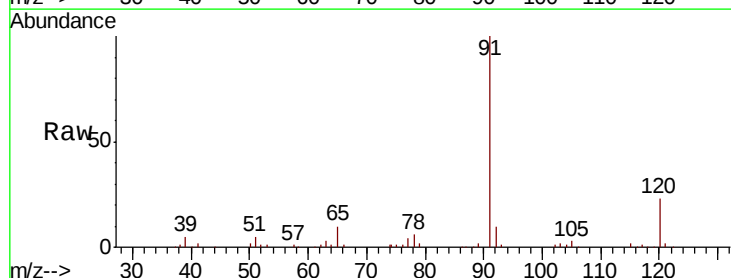
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007846.D

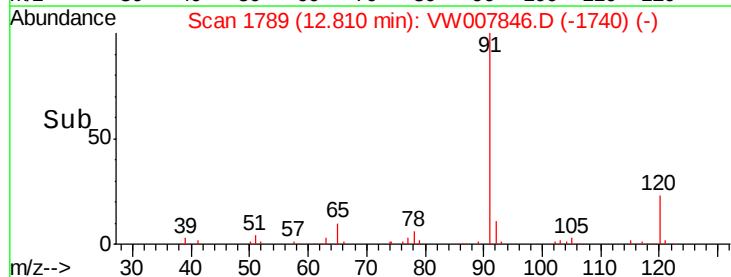
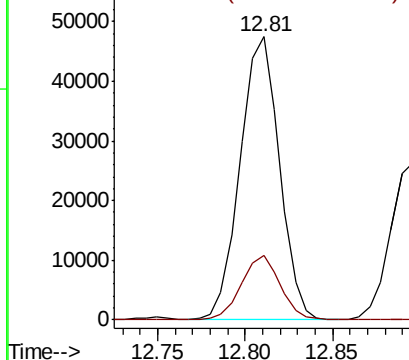
Acq: 22 Dec 2018 16:44

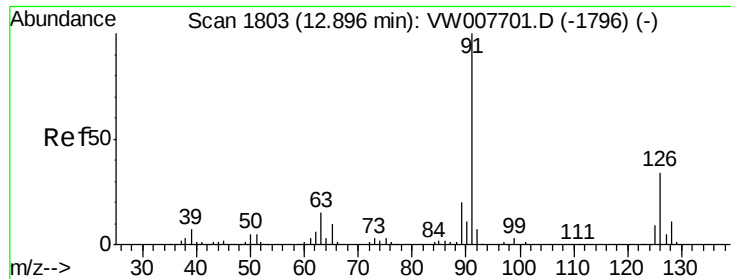
Tgt Ion	Resp	Lower	Upper
91	73805		
120	22.5	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





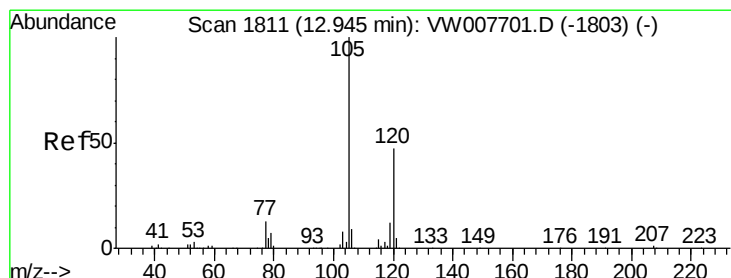
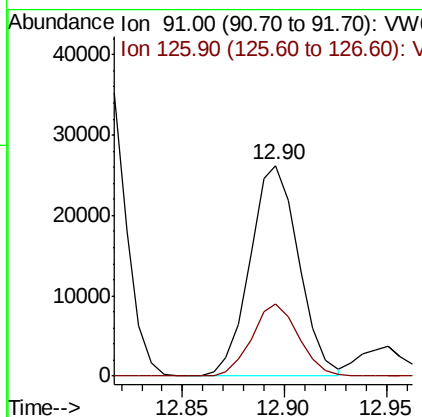
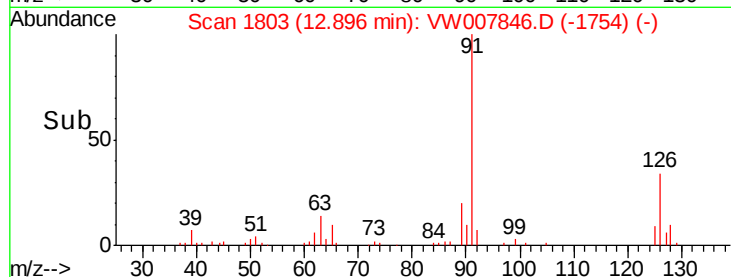
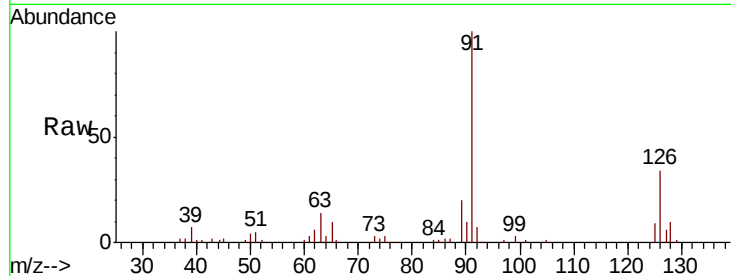
#79
 2-Chlorotoluene
 Concen: 20.456 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion: 91 Resp: 43364
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.0 51.0

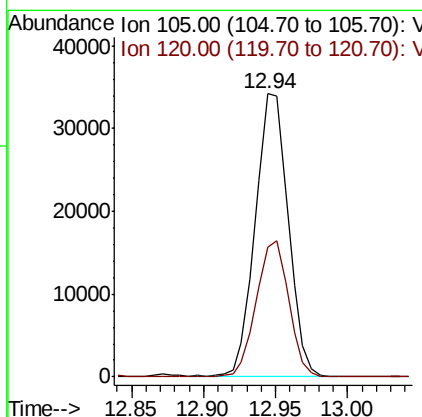
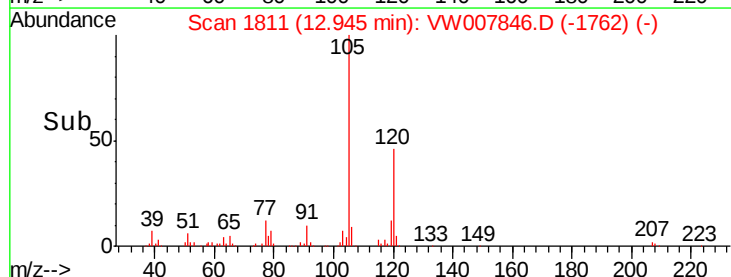
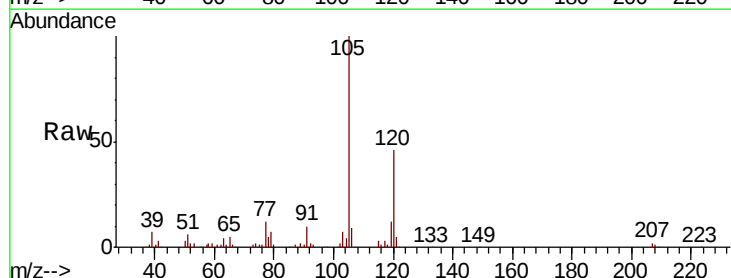
Manual Integrations
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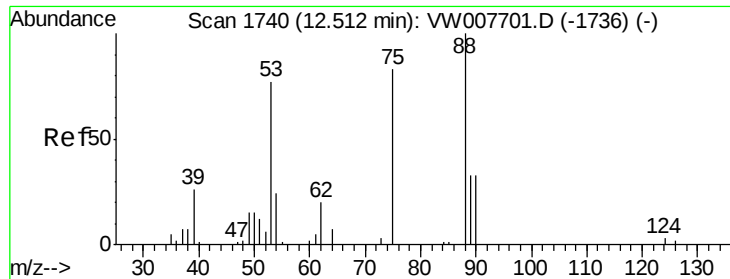
MMDadoda
 12/24/2018 3:18:35 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.069 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion: 105 Resp: 54116
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.6 70.8





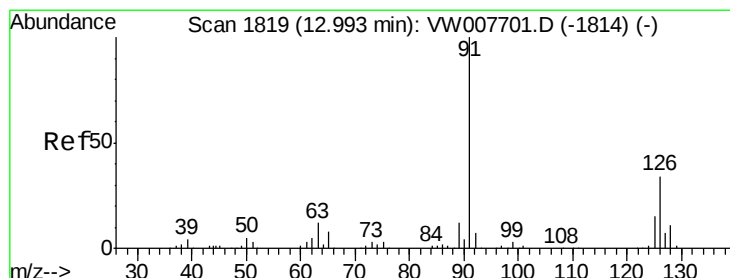
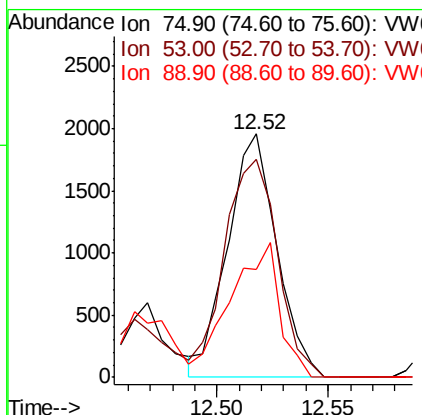
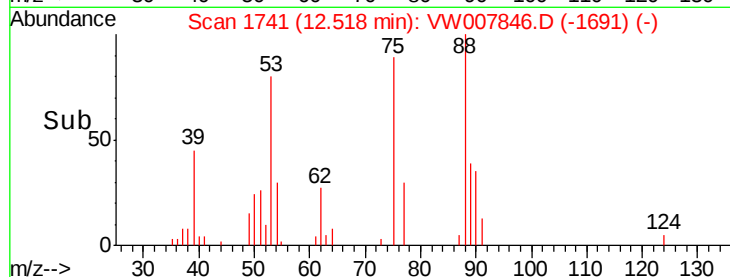
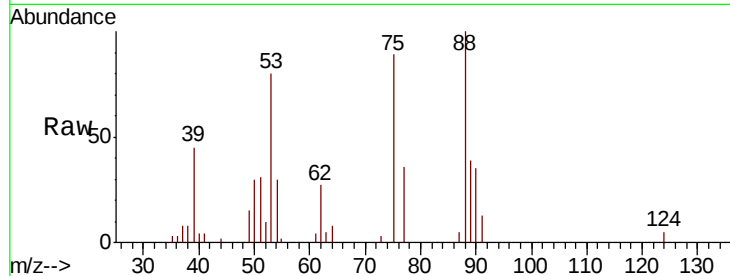
#81
trans-1,4-Dichloro-2-butene
Concen: 19.753 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	96.6	80.2	120.2
89	55.0	39.2	58.8

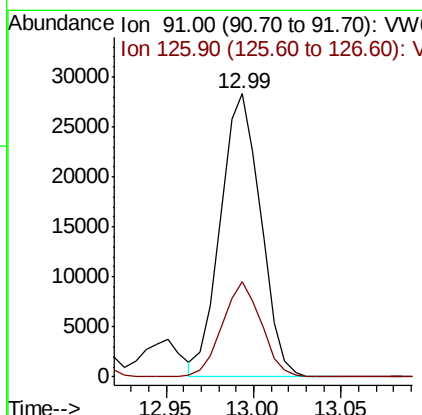
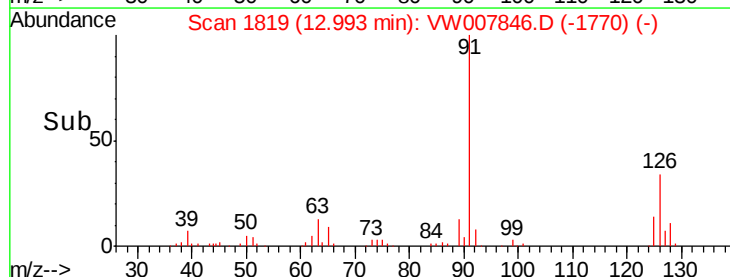
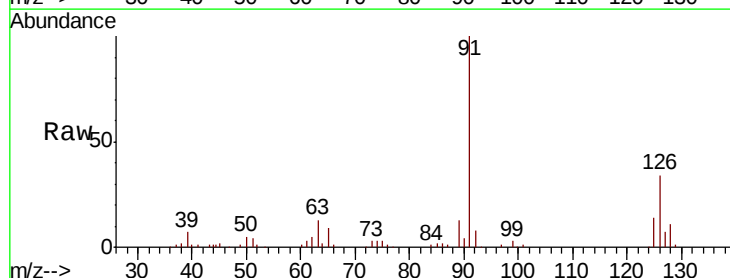
Manual Integrations
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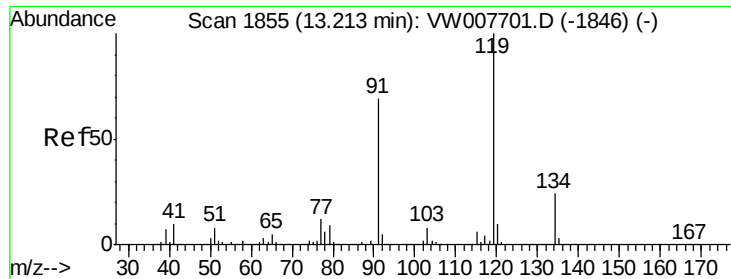
MMDadoda
12/24/2018 3:18:35 PM



#82
4-Chlorotoluene
Concen: 20.061 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.5	49.5





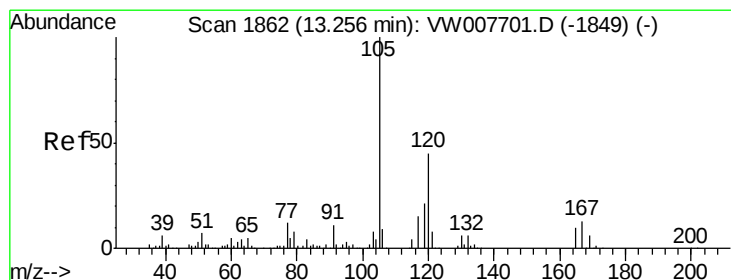
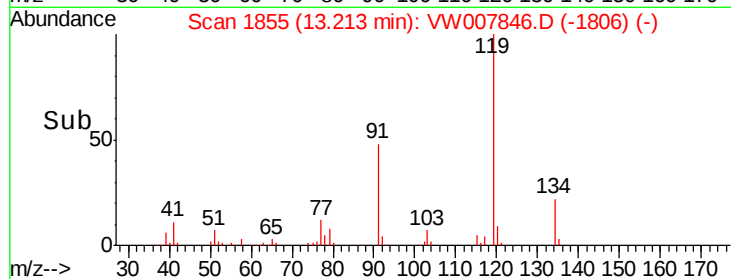
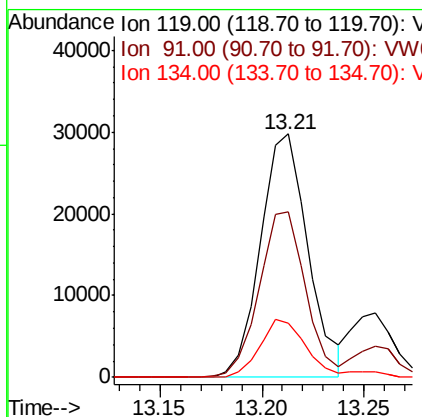
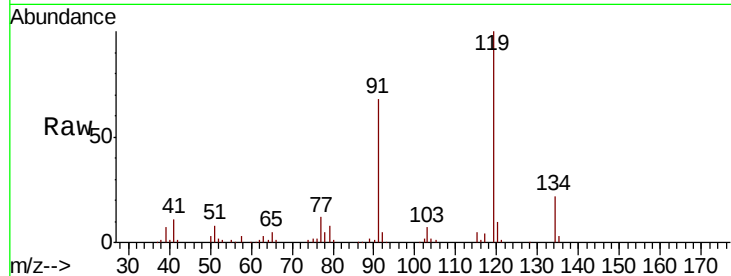
#83
tert-Butylbenzene
Concen: 20.506 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	48515		
91	66.1	34.2	102.5	
134	23.3	12.8	38.4	

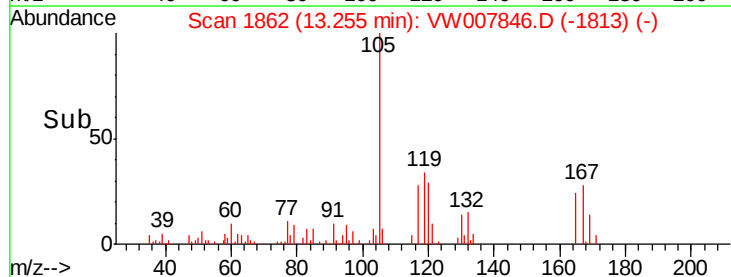
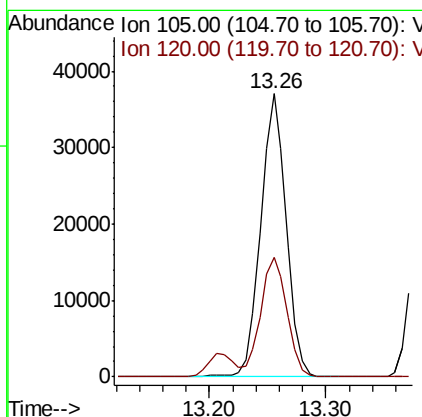
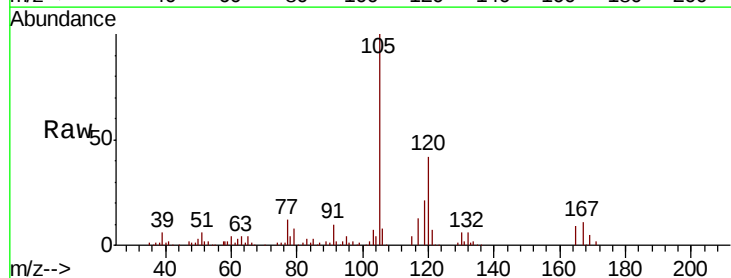
Manual Integrations
APPROVED

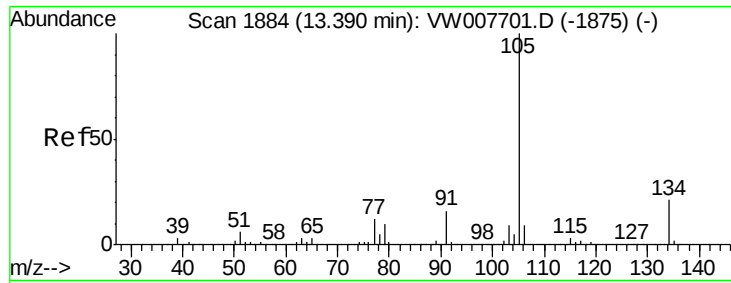
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.754 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	56468		
120	43.7	22.0	66.0	





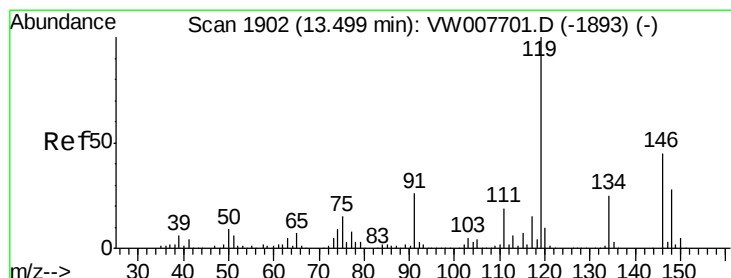
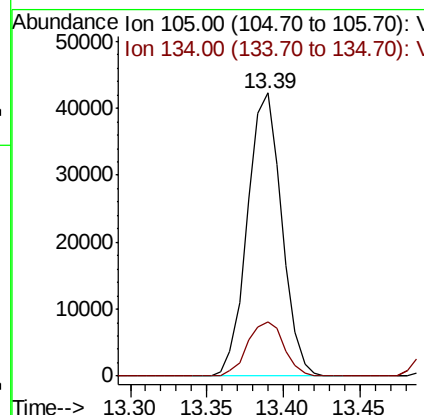
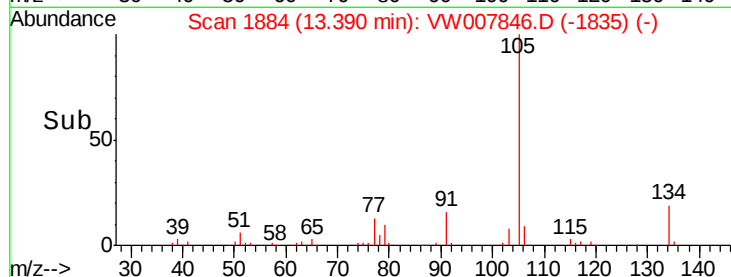
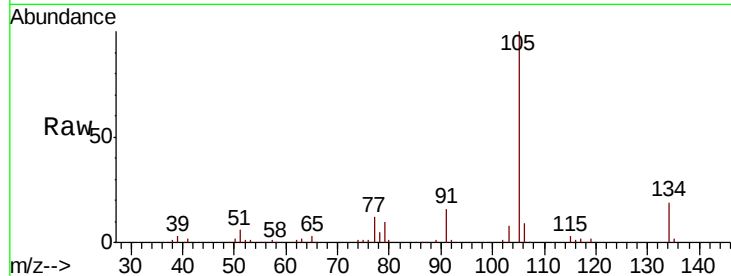
#85
 sec-Butylbenzene
 Concen: 20.256 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion:105 Resp: 66047
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4

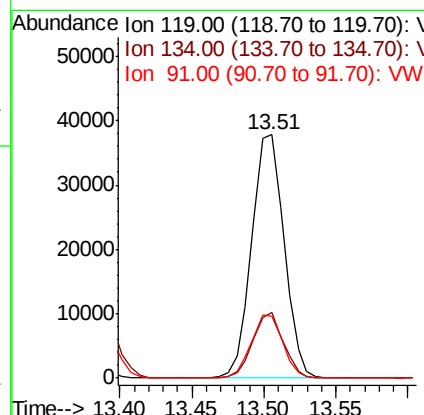
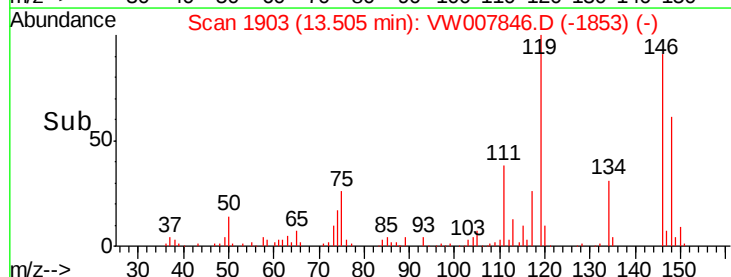
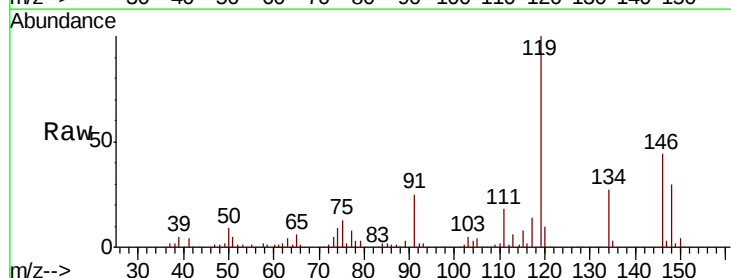
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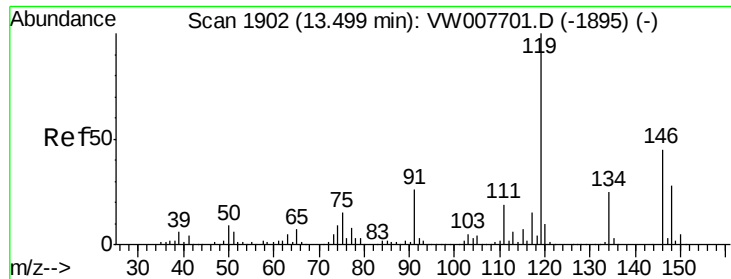
MMDadoda
 12/24/2018 3:18:35 PM



#86
 p-Isopropyltoluene
 Concen: 19.842 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion:119 Resp: 58830
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.0 39.0
 91 25.3 12.8 38.4





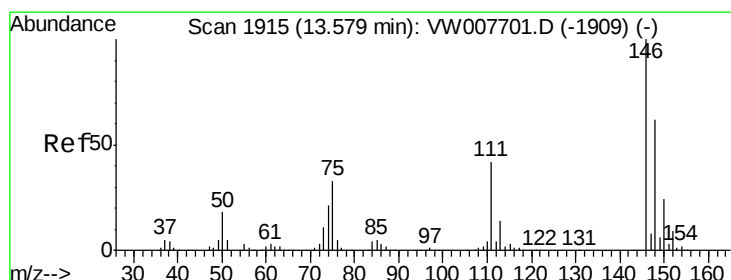
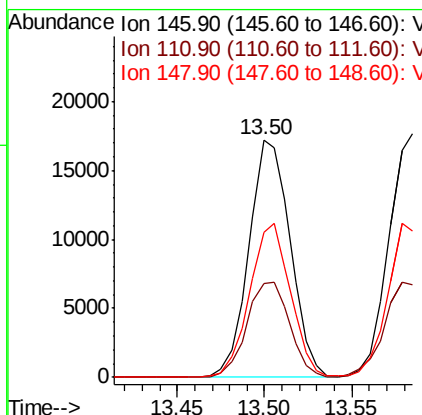
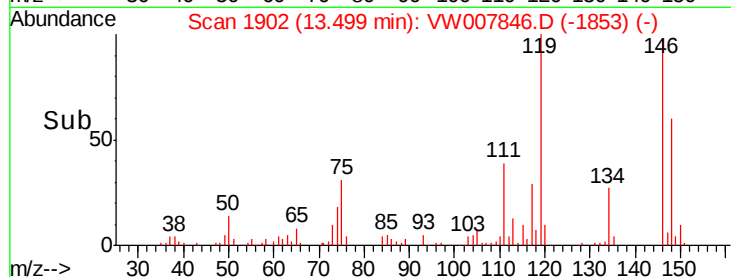
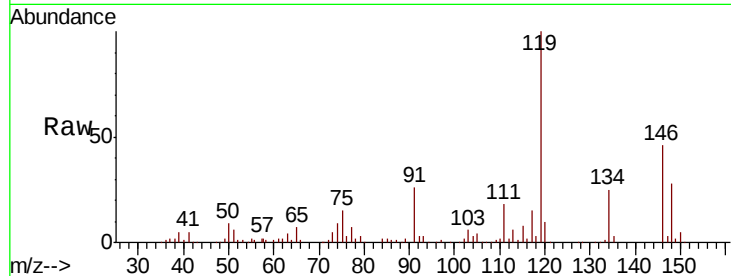
#87
 1,3-Dichlorobenzene
 Concen: 19.891 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	28293		
111	41.4	21.1	63.4	
148	63.9	32.1	96.5	

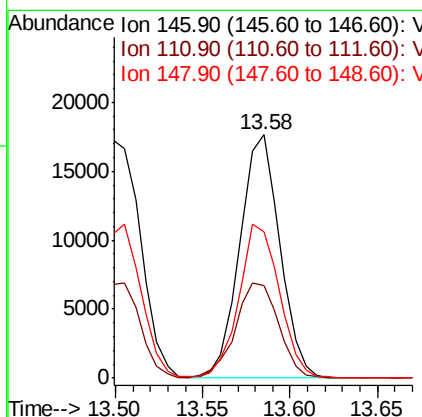
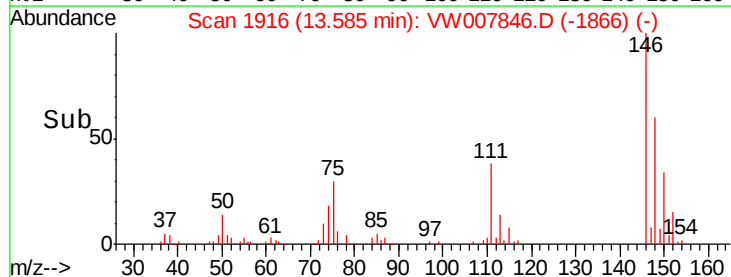
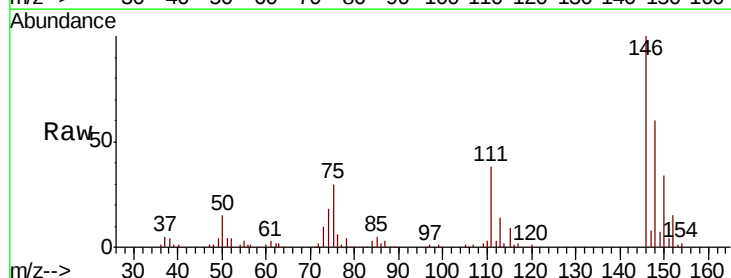
Manual Integrations
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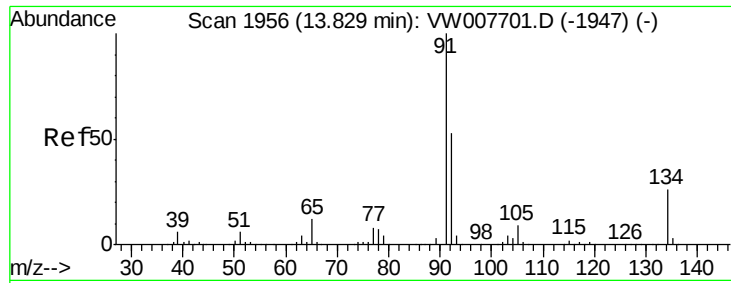
MMDadoda
 12/24/2018 3:18:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.767 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	28125		
111	42.5	21.0	63.0	
148	64.1	31.8	95.4	





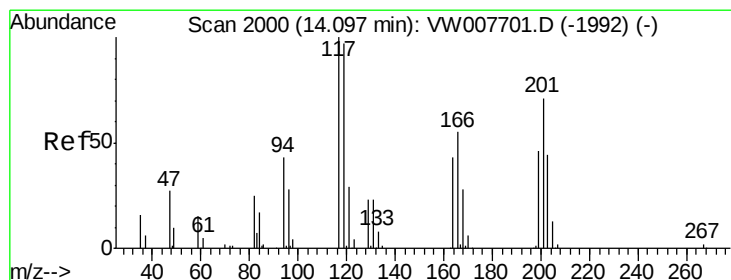
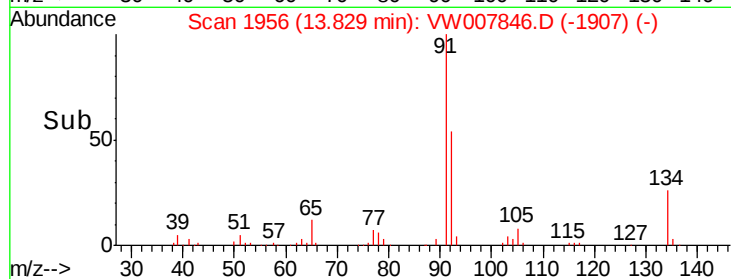
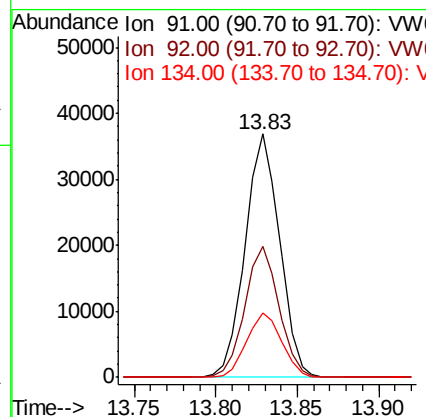
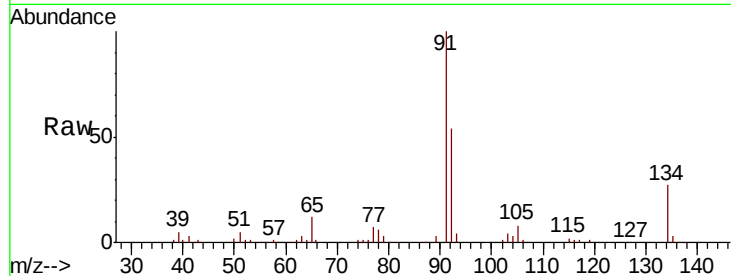
#89
n-Butylbenzene
Concen: 20.016 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	27.1	13.7	41.0

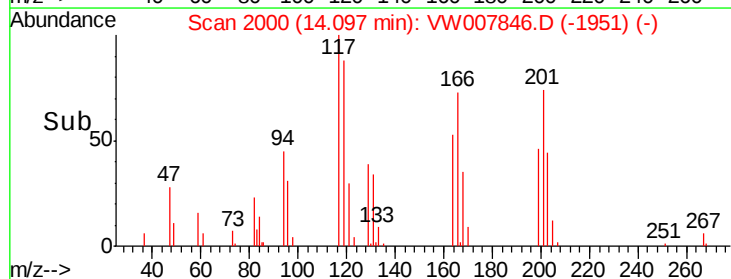
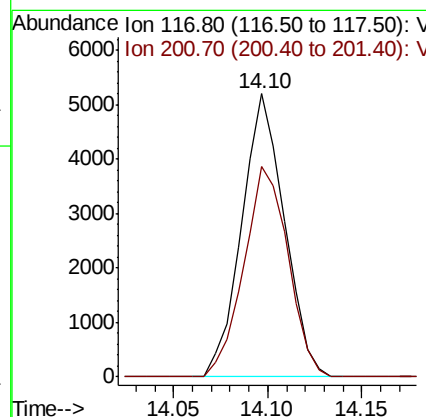
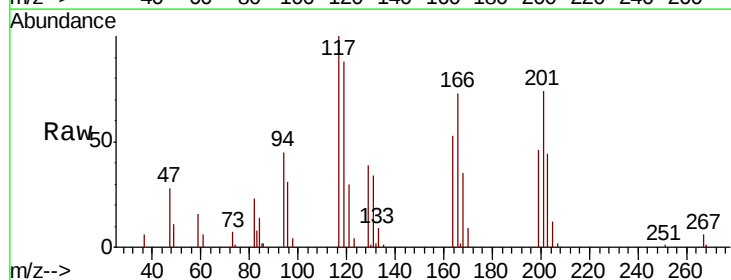
Manual Integrations
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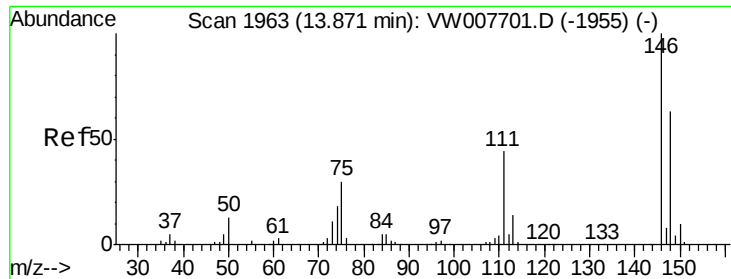
MMDadoda
12/24/2018 3:18:35 PM



#90
Hexachloroethane
Concen: 15.711 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	36.2	108.6





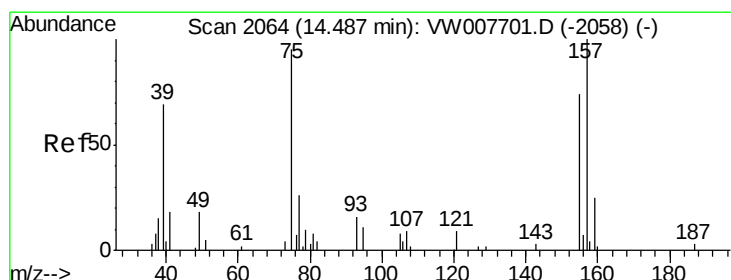
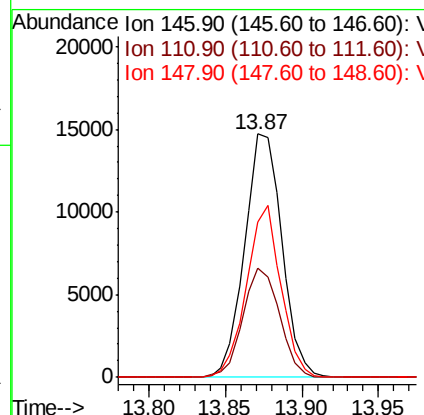
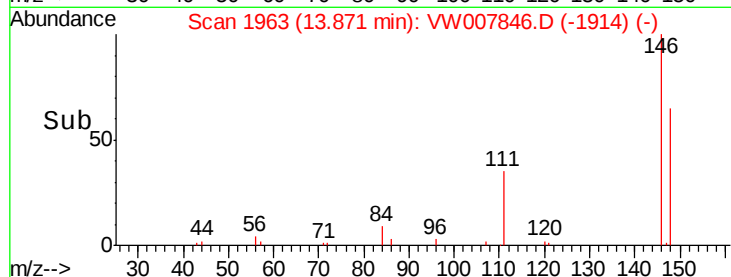
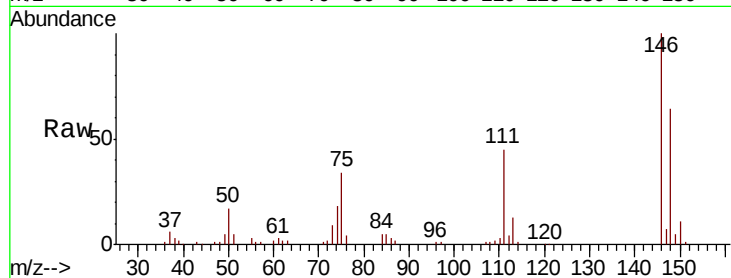
#91
 1,2-Dichlorobenzene
 Concen: 19.640 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	64.7	32.1	96.5

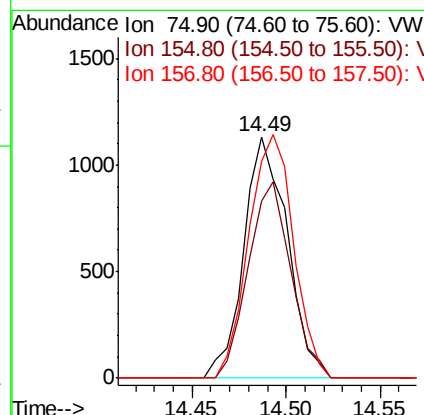
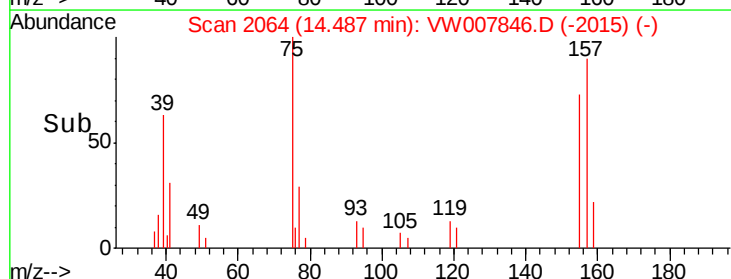
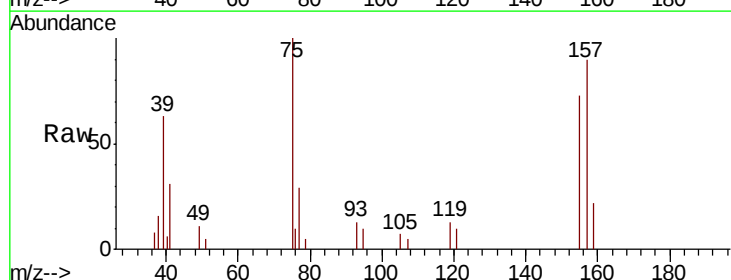
Manual Integrations
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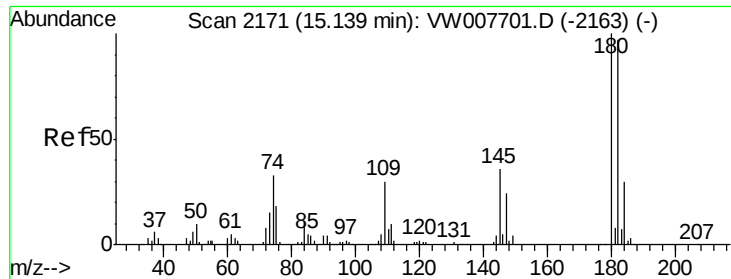
MMDadoda
 12/24/2018 3:18:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.825 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007846.D
 Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.4	118.1
157	103.7	52.0	156.0





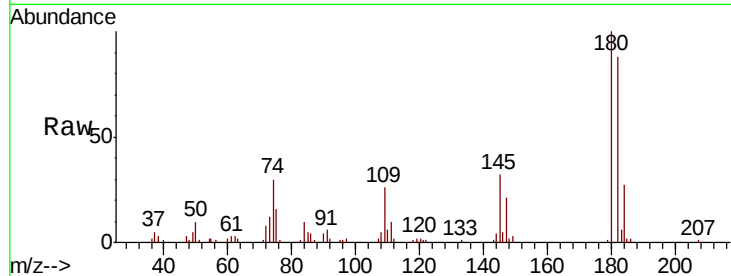
#93
1,2,4-Trichlorobenzene
Concen: 19.529 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.5	142.6
145	34.2	17.5	52.5

Manual Integrations
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12/24/2018 3:18:35 PM

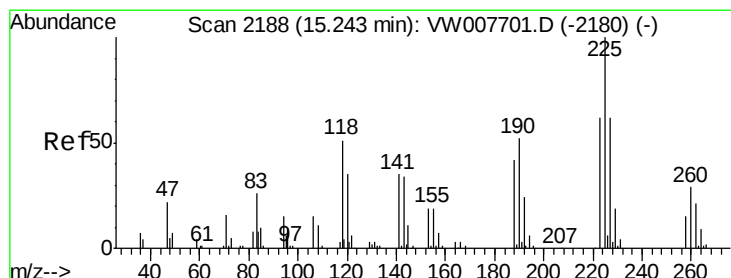
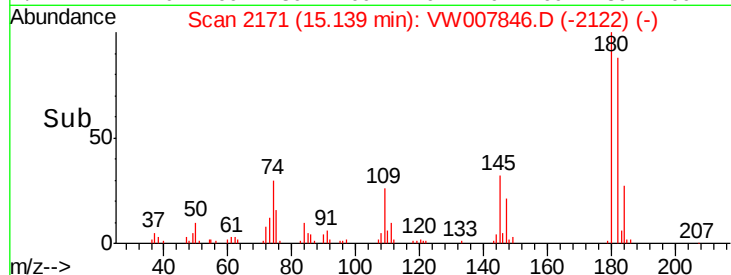
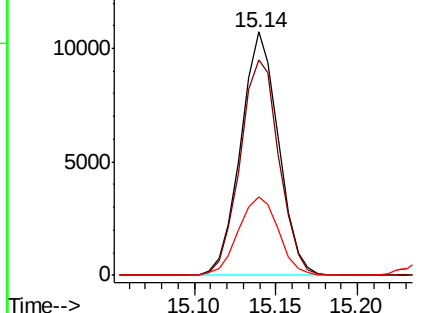


Abundance

Ion 179.80 (179.50 to 180.50): V

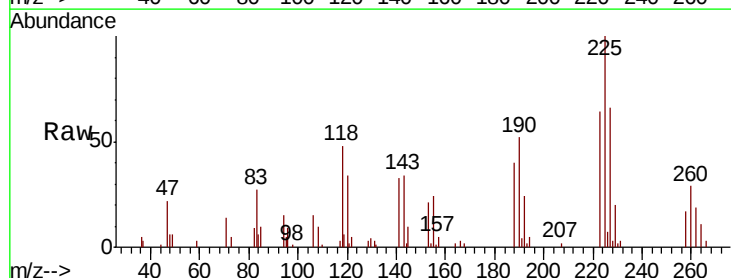
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 18.825 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	31.6	94.8
227	64.1	32.1	96.3

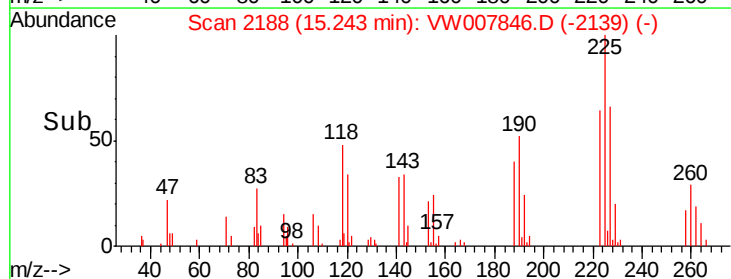
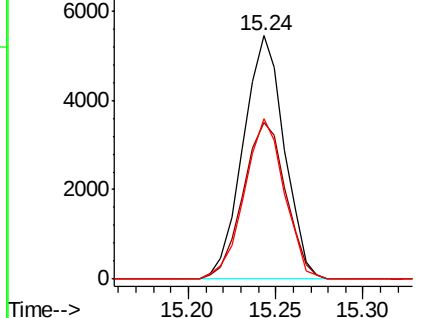


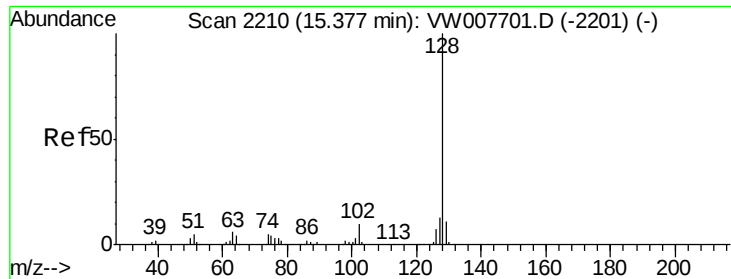
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





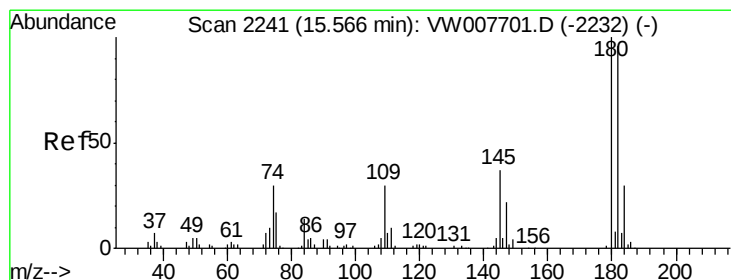
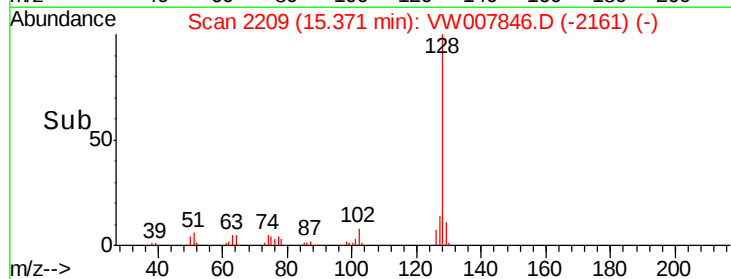
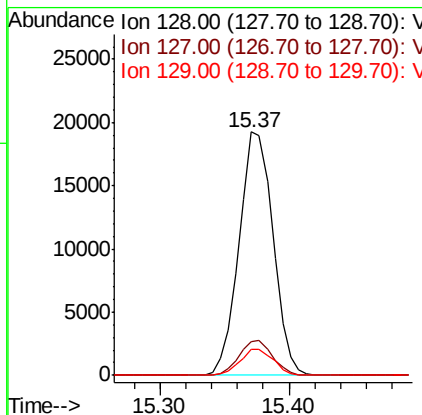
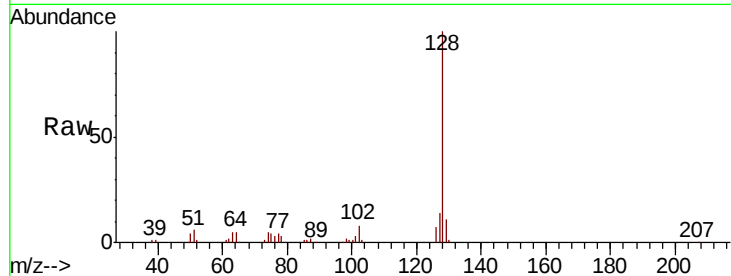
#95
Naphthalene
Concen: 21.537 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	10.5	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 18.967 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007846.D
Acq: 22 Dec 2018 16:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	36.0	18.4	55.0

