

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\
 Data File : VW007885.D
 Acq On : 24 Dec 2018 13:42
 Operator : SY/AP
 Sample : VW1225SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:38:50 PM

Quant Time: Dec 26 02:46:42 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	78820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	126177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	111787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57405	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	43952	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.88	113	38608	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.32	98	154114	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
62) 4-Bromofluorobenzene	12.62	95	58931	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	15996	22.828	ug/l	94
3) Chloromethane	2.21	50	12274	28.526	ug/l	93
4) Vinyl Chloride	2.37	62	16022	29.252	ug/l	99
5) Bromomethane	2.78	94	9218	24.163	ug/l	96
6) Chloroethane	2.93	64	7787	26.575	ug/l	99
7) Trichlorofluoromethane	3.26	101	11844	20.771	ug/l	98
8) Diethyl Ether	3.67	74	8459	24.219	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17315	20.618	ug/l	96
10) Methyl Iodide	4.26	142	27634	20.691	ug/l	97
11) Tert butyl alcohol	5.18	59	7375	126.551	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	17627	22.667	ug/l	95
13) Acrolein	3.89	56	4793	102.863	ug/l	99
14) Allyl chloride	4.67	41	25407	24.914	ug/l	93
15) Acrylonitrile	5.37	53	17846	119.783	ug/l	99
16) Acetone	4.12	43	20044	123.901	ug/l	92
17) Carbon Disulfide	4.37	76	49457	20.551	ug/l	99
18) Methyl Acetate	4.67	43	9371	24.357	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	28013	25.092	ug/l	99
20) Methylene Chloride	4.91	84	23934	26.637	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	18218	21.301	ug/l	90
22) Diisopropyl ether	6.31	45	47909	25.090	ug/l	98
23) Vinyl Acetate	6.26	43	138188	121.805	ug/l	98
24) 1,1-Dichloroethane	6.21	63	32087	22.842	ug/l	99
25) 2-Butanone	7.17	43	23029	121.535	ug/l	98
26) 2,2-Dichloropropane	7.16	77	23702	23.058	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	20149	22.113	ug/l	97
28) Bromochloromethane	7.51	49	10429	21.774	ug/l	91
29) Tetrahydrofuran	7.53	42	14354	126.999	ug/l	94
30) Chloroform	7.68	83	33200	20.884	ug/l	99
31) Cyclohexane	7.96	56	31402	24.418	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	30263	20.902	ug/l	99
36) 1,1-Dichloropropene	8.08	75	27201	22.336	ug/l	98
37) Ethyl Acetate	7.25	43	10451	24.866	ug/l	99
38) Carbon Tetrachloride	8.07	117	28420	19.815	ug/l	97

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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	35360	23.366	ug/l	97
40) Benzene	8.32	78	72510	22.312	ug/l	96
41) Methacrylonitrile	7.48	41	5929	24.847	ug/l	96
42) 1,2-Dichloroethane	8.40	62	22836	20.968	ug/l	99
43) Isopropyl Acetate	8.43	43	20659	24.535	ug/l	96
44) Trichloroethene	9.09	130	20991	21.359	ug/l	100
45) 1,2-Dichloropropane	9.37	63	16821	23.327	ug/l	100
46) Dibromomethane	9.46	93	9383	21.138	ug/l	98
47) Bromodichloromethane	9.65	83	23882	20.466	ug/l	99
48) Methyl methacrylate	9.44	41	10758m	25.596	ug/l	
49) 1,4-Dioxane	9.45	88	3209	455.980	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	49323	123.945	ug/l	97
52) Toluene	10.39	92	48205	22.109	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	25227	21.734	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	28535	22.257	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	13468	22.009	ug/l	97
56) Ethyl methacrylate	10.65	69	17089	23.636	ug/l	94
57) 1,3-Dichloropropane	10.93	76	23409	23.037	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	41428	125.500	ug/l	98
59) 2-Hexanone	10.97	43	35845	128.081	ug/l	97
60) Dibromochloromethane	11.13	129	15621	19.279	ug/l	99
61) 1,2-Dibromoethane	11.24	107	12912	20.836	ug/l	96
64) Tetrachloroethene	10.87	164	17047	21.535	ug/l	98
65) Chlorobenzene	11.66	112	52811	21.827	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	18121	20.960	ug/l	97
67) Ethyl Benzene	11.73	91	95097	22.904	ug/l	96
68) m/p-Xylenes	11.84	106	73735	45.781	ug/l	99
69) o-Xylene	12.17	106	34401	22.786	ug/l	100
70) Styrene	12.18	104	56072	22.594	ug/l	99
71) Bromoform	12.35	173	8138	18.133	ug/l #	96
73) Isopropylbenzene	12.47	105	98786	22.766	ug/l	99
74) N-amyl acetate	12.27	43	19004	25.284	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	14542	22.352	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	9078m	20.460	ug/l	
77) Bromobenzene	12.75	156	20941	21.058	ug/l	93
78) n-propylbenzene	12.81	91	114618	22.692	ug/l	100
79) 2-Chlorotoluene	12.90	91	67206	22.840	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	85142	22.748	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	4456	21.081	ug/l	95
82) 4-Chlorotoluene	12.99	91	69754	22.264	ug/l	100
83) tert-Butylbenzene	13.21	119	74504	22.687	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	86157	22.812	ug/l	99
85) sec-Butylbenzene	13.39	105	103388	22.843	ug/l	99
86) p-Isopropyltoluene	13.51	119	93062	22.612	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	43116	21.837	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	42734	21.637	ug/l	99
89) n-Butylbenzene	13.83	91	87560	23.204	ug/l	98
90) Hexachloroethane	14.10	117	14277	19.760	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	38490	21.773	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2827	21.159	ug/l	95

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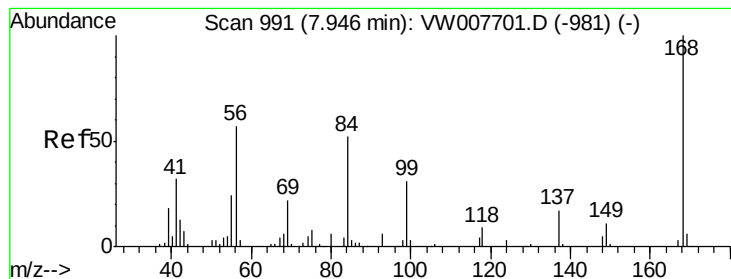
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26888	21.912	ug/l	100
94) Hexachlorobutadiene	15.24	225	14362	21.900	ug/l	98
95) Naphthalene	15.38	128	52111	22.969	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	23155	22.044	ug/l	99

(#) = 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: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion:168 Resp: 78820

Ion Ratio Lower Upper

168 100

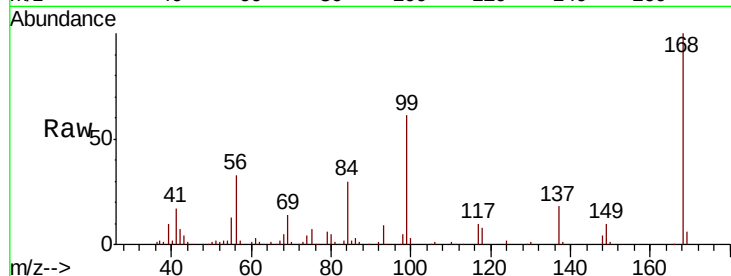
99 60.8 54.0 81.0

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

40000

30000

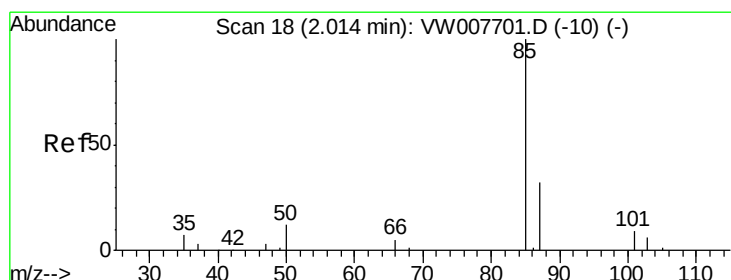
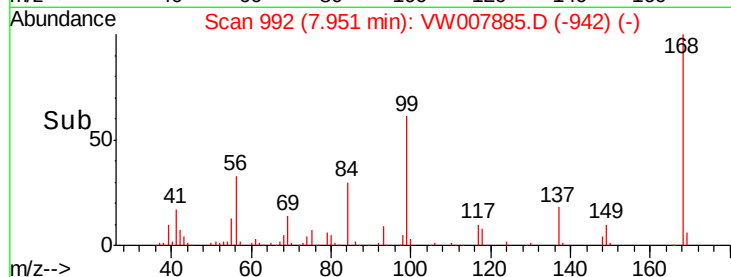
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.828 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007885.D

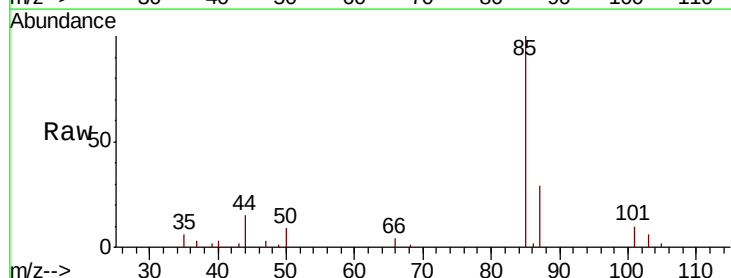
Acq: 24 Dec 2018 13:42

Tgt Ion: 85 Resp: 15996

Ion Ratio Lower Upper

85 100

87 29.3 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

5000

4000

3000

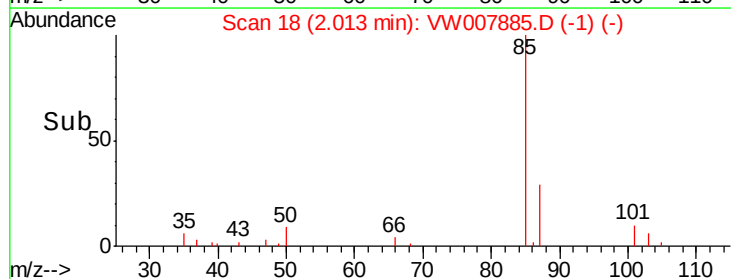
2000

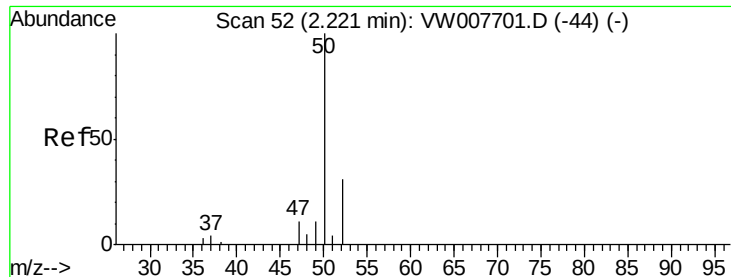
1000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 28.526 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion: 50 Resp: 12274

Ion Ratio Lower Upper

50 100

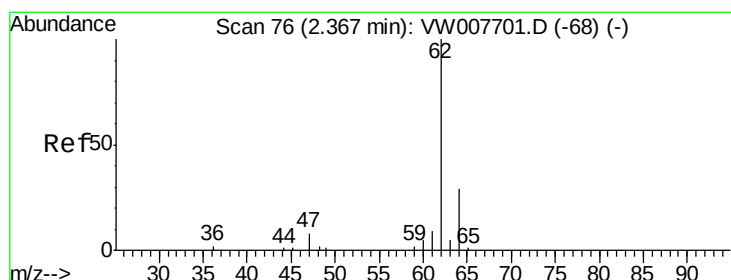
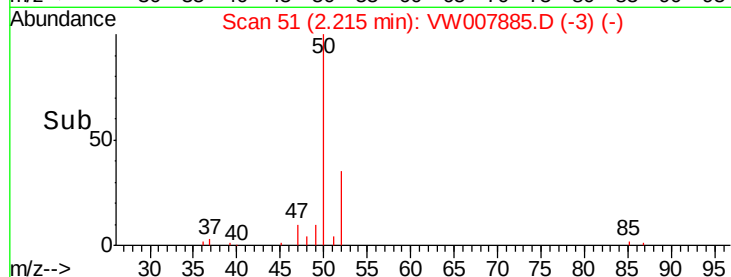
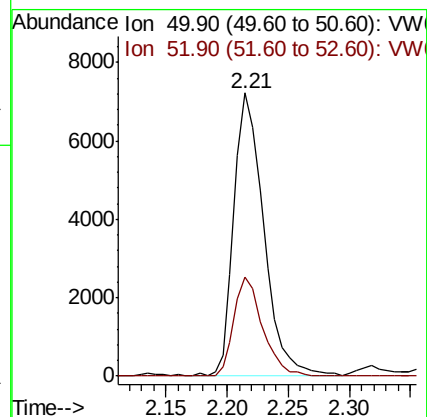
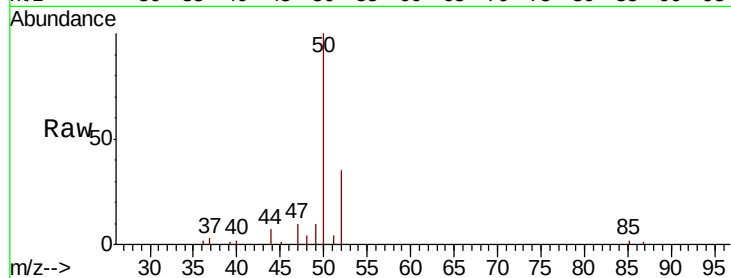
52 35.0 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 29.252 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007885.D

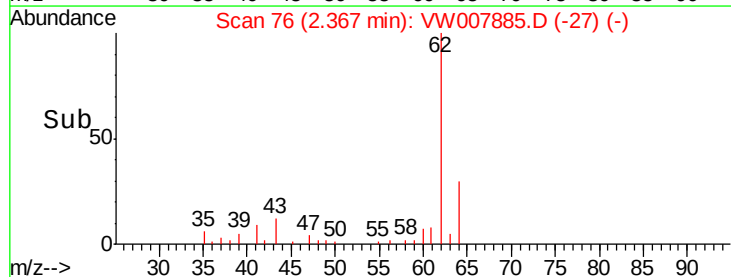
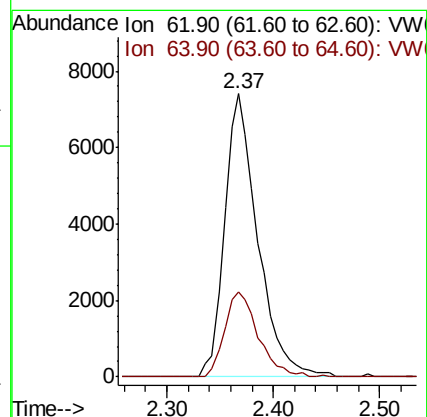
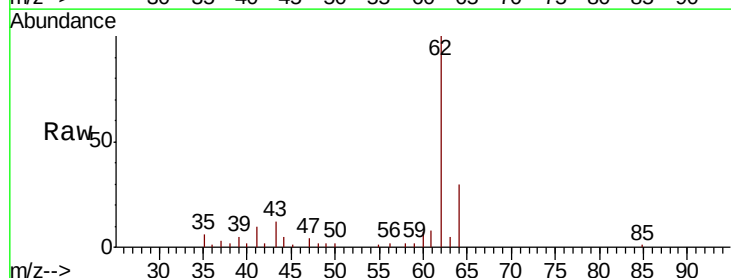
Acq: 24 Dec 2018 13:42

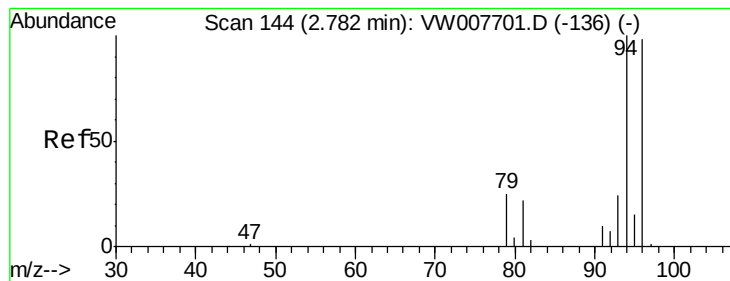
Tgt Ion: 62 Resp: 16022

Ion Ratio Lower Upper

62 100

64 29.9 23.4 35.0





#5

Bromomethane

Concen: 24.163 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion: 94 Resp: 9218

Ion Ratio Lower Upper

94 100

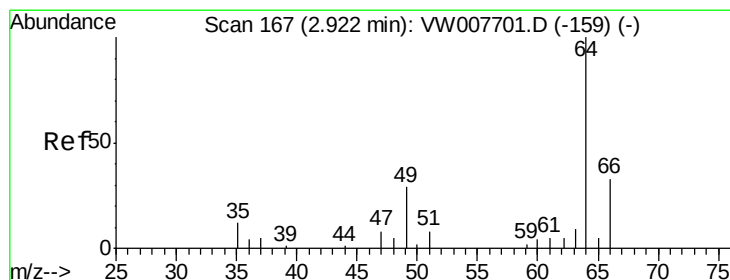
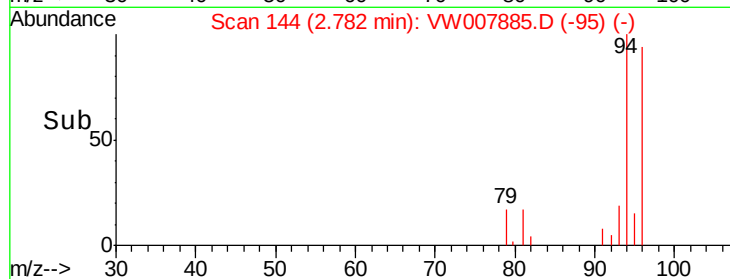
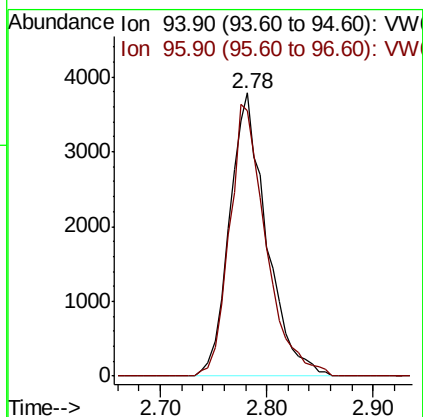
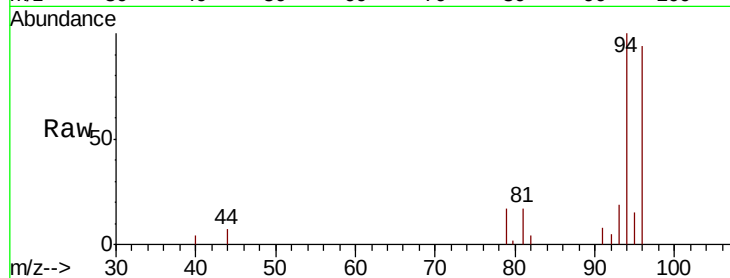
96 93.8 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 26.575 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007885.D

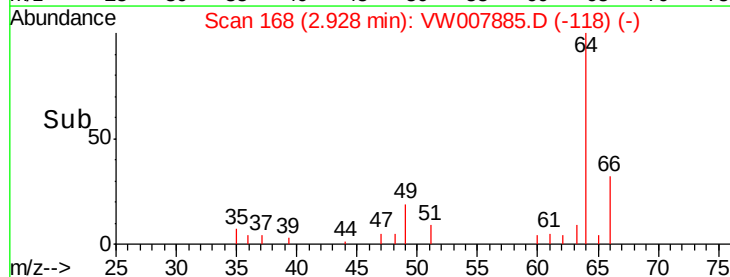
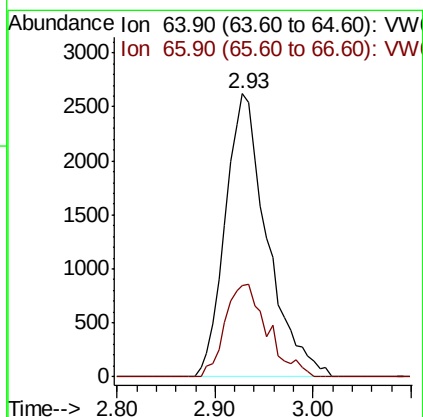
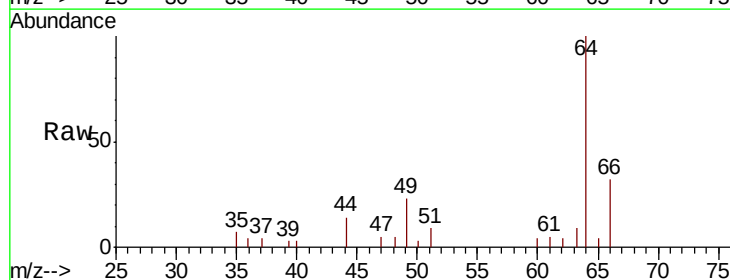
Acq: 24 Dec 2018 13:42

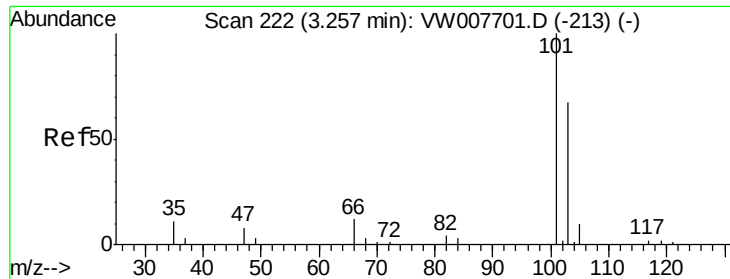
Tgt Ion: 64 Resp: 7787

Ion Ratio Lower Upper

64 100

66 32.4 26.2 39.4





#7

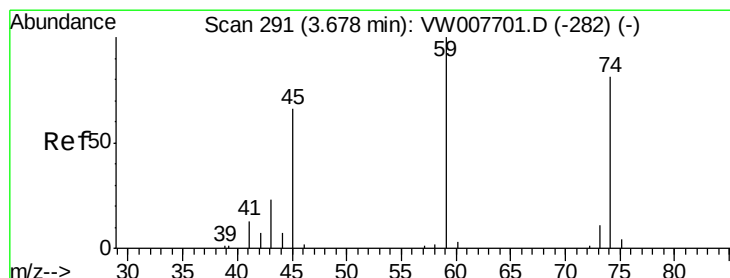
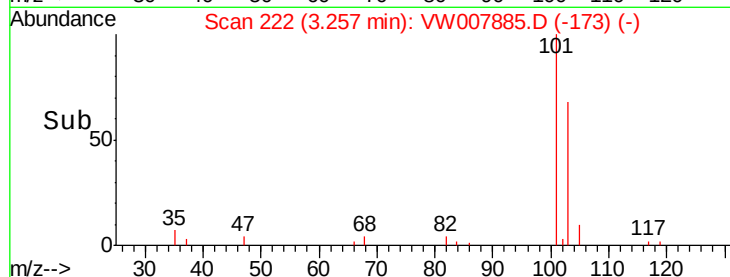
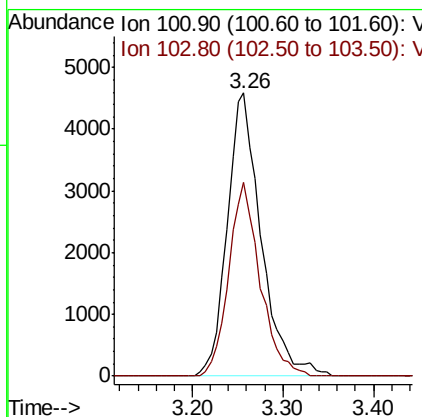
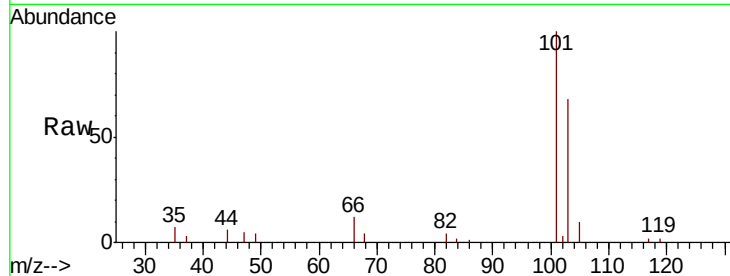
Trichlorofluoromethane
Concen: 20.771 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
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ClientSampleId :
VW1225SBS02

Tot Ion:101 Resp: 11844
Ion Ratio Lower Upper
101 100
103 68.3 53.4 80.2

Manual Integrations
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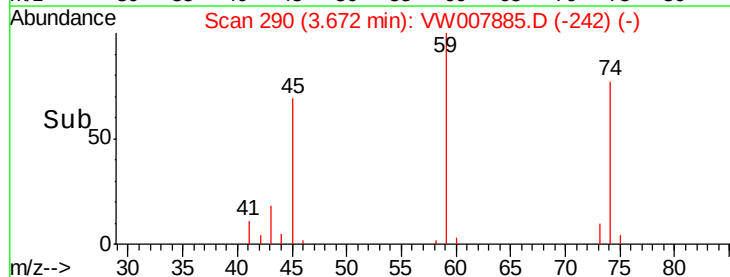
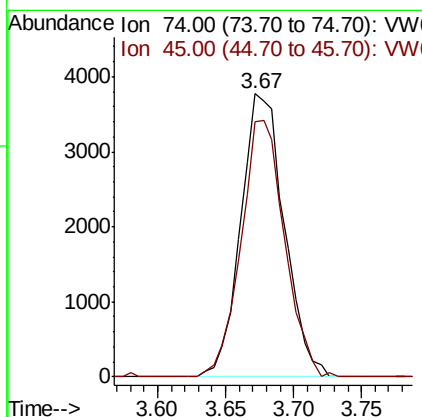
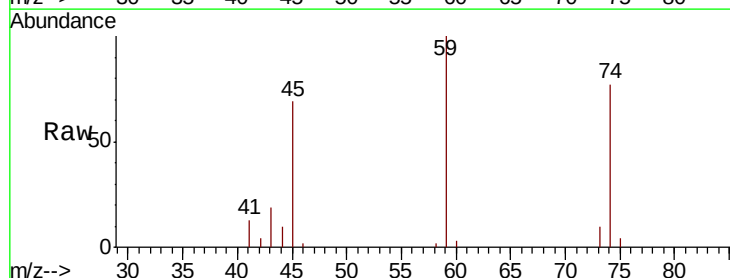
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12/26/2018 4:38:50 PM

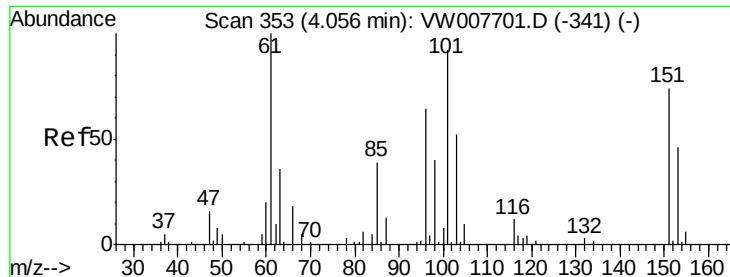


#8

Diethyl Ether
Concen: 24.219 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion: 74 Resp: 8459
Ion Ratio Lower Upper
74 100
45 90.6 39.4 118.1





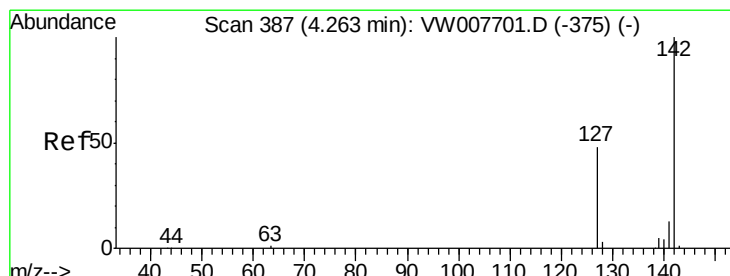
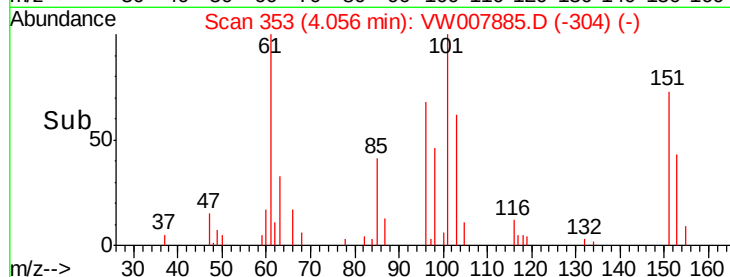
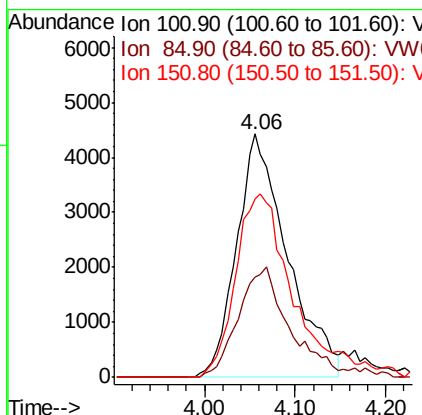
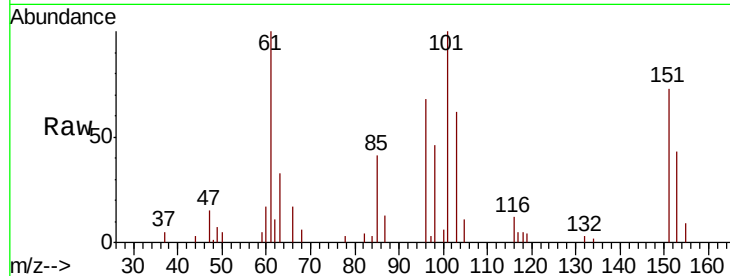
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.618 ug/l
RT: 4.06 min Scan# 353
Delta R.T. -0.00 min
Lab File: VW007885.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.5	34.3	51.5
151	84.6	64.6	96.8

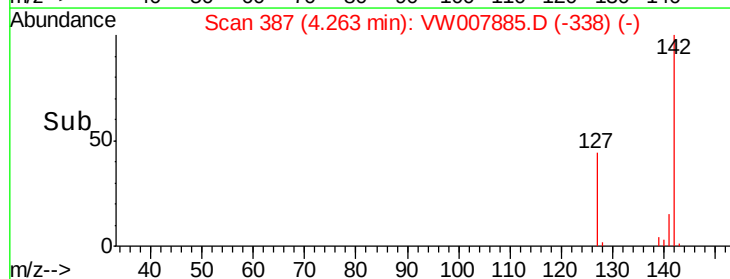
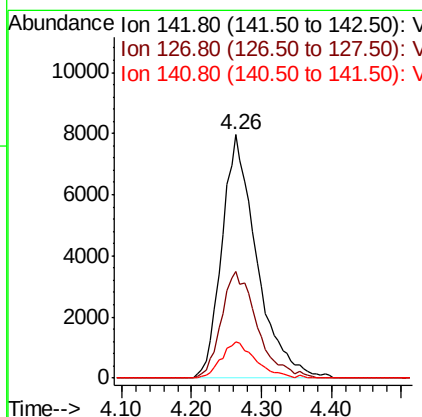
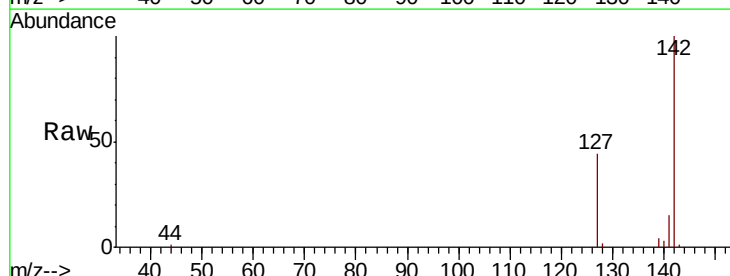
Manual Integrations
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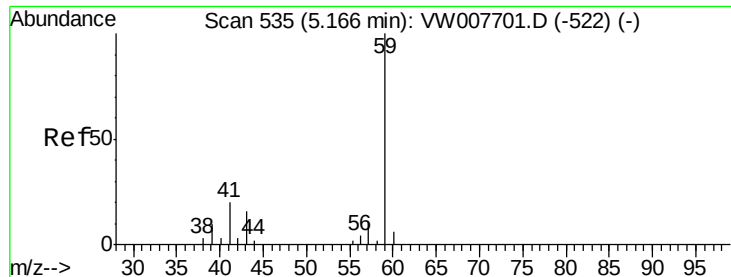
MMDadoda
12/26/2018 4:38:50 PM



#10
Methyl Iodide
Concen: 20.691 ug/l
RT: 4.26 min Scan# 387
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.9	37.7	56.5
141	14.4	11.5	17.3





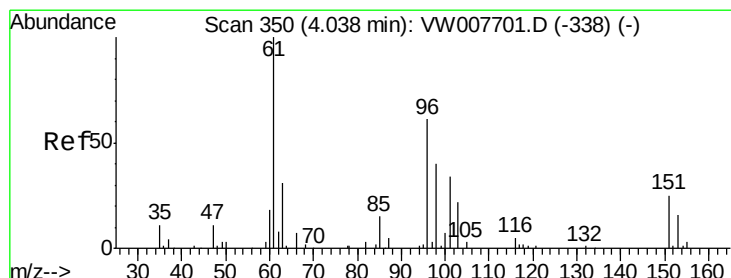
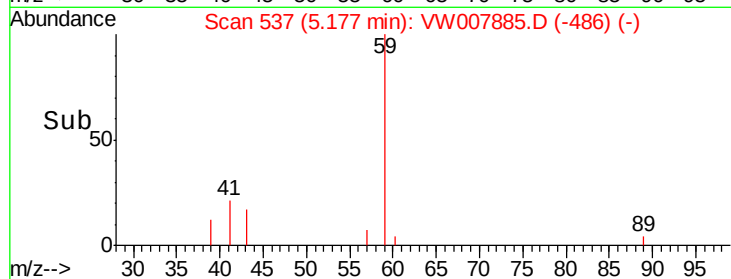
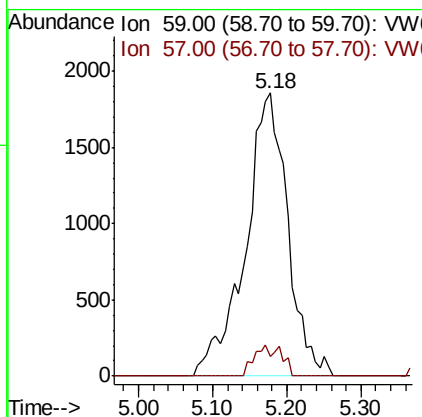
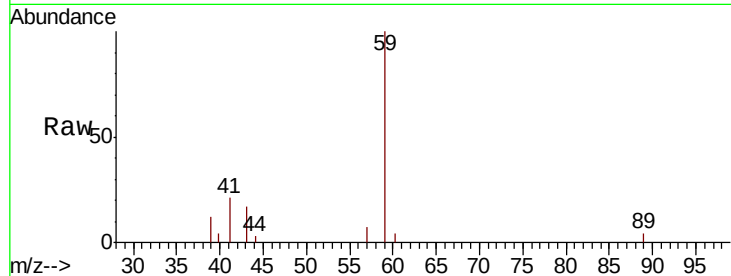
#11
Tert butyl alcohol
Concen: 126.551 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion: 59 Resp: 7375
Ion Ratio Lower Upper
59 100
57 6.9 7.8 11.8#

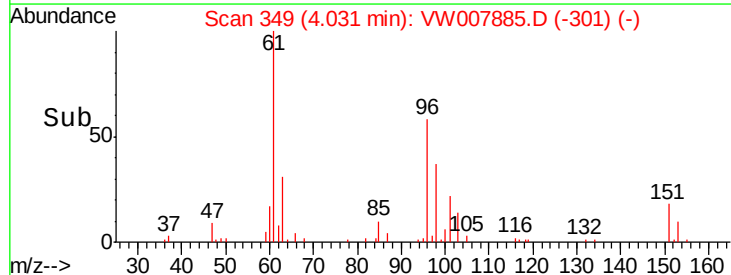
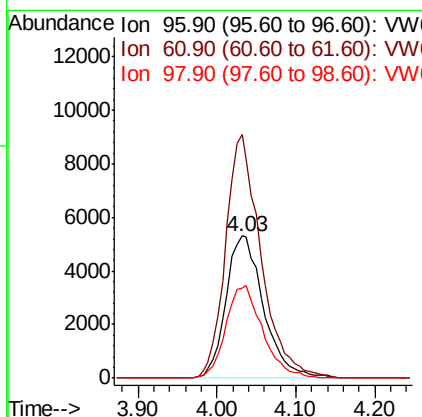
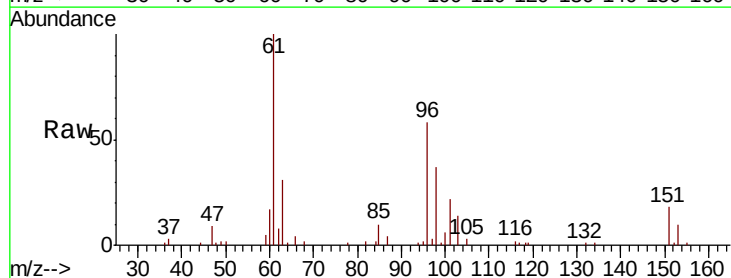
Manual Integrations
APPROVED

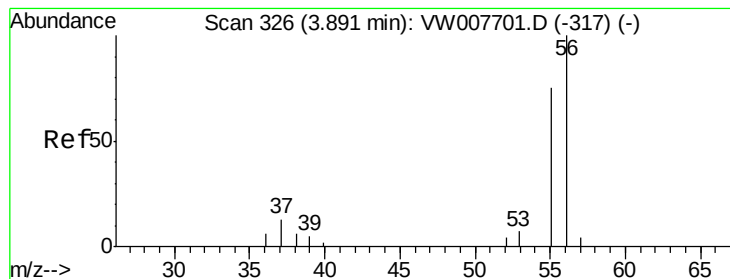
MMDadoda
12/26/2018 4:38:50 PM



#12
1,1-Dichloroethene
Concen: 22.667 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion: 96 Resp: 17627
Ion Ratio Lower Upper
96 100
61 171.5 130.6 195.8
98 63.0 52.3 78.5





#13

Acrolein

Concen: 102.863 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion: 56 Resp: 4793

Ion Ratio Lower Upper

56 100

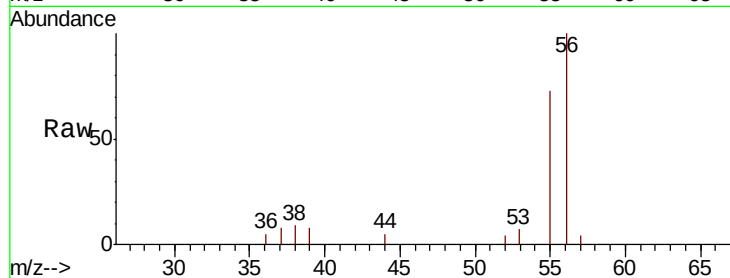
55 71.4 57.7 86.5

Manual Integrations

APPROVED

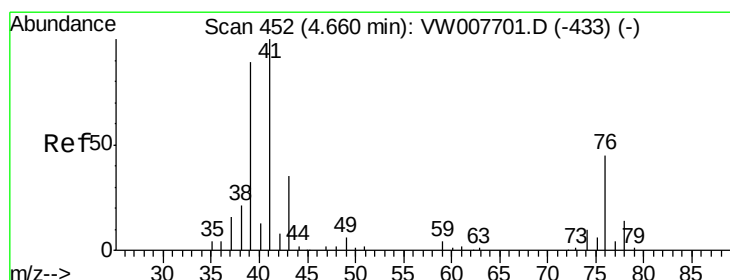
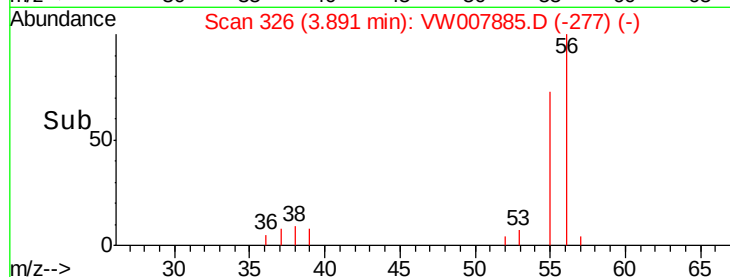
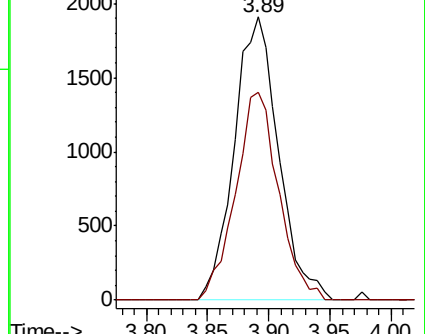
MMDadoda

12/26/2018 4:38:50 PM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 24.914 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

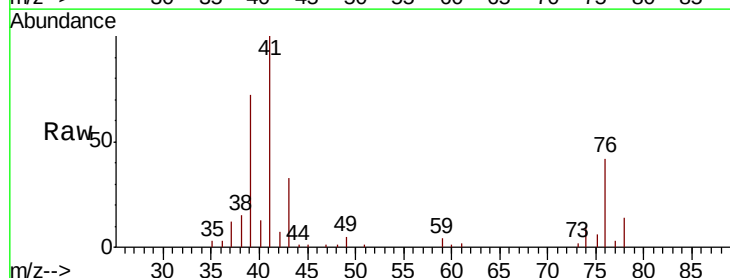
Tgt Ion: 41 Resp: 25407

Ion Ratio Lower Upper

41 100

39 79.5 69.5 104.3

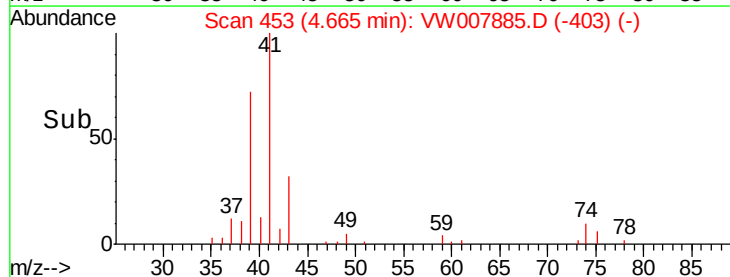
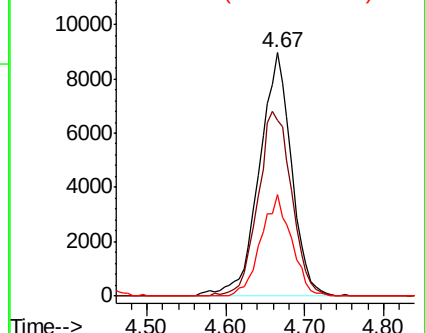
76 39.4 34.8 52.2

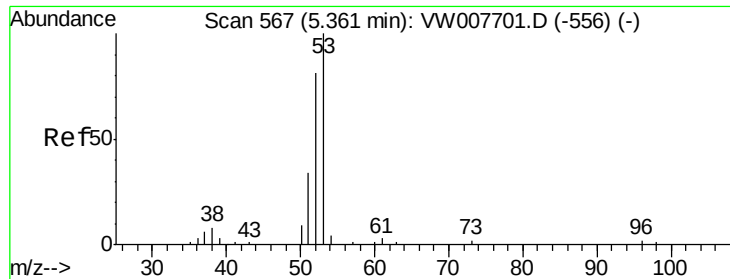


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 119.783 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

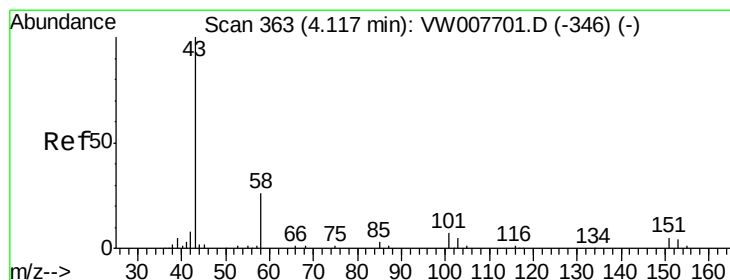
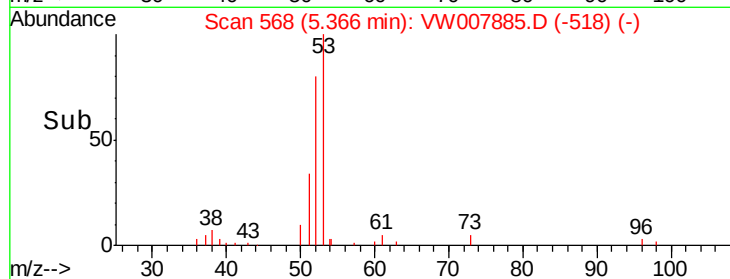
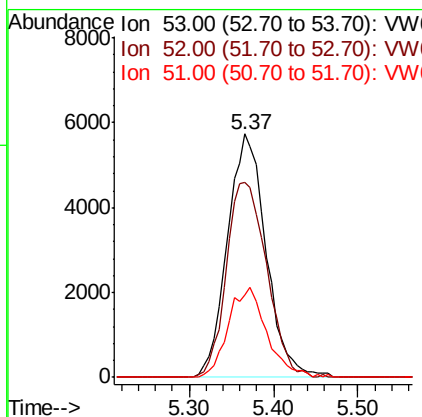
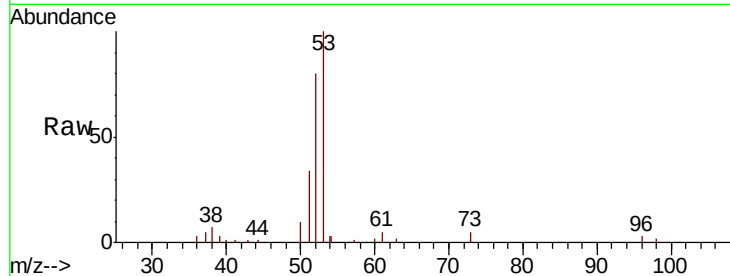
ClientSampleId :

VW1225SBS02

Tot Ion:	53	Resp:	17846
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.0	100.4
51	36.6	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 123.901 ug/l

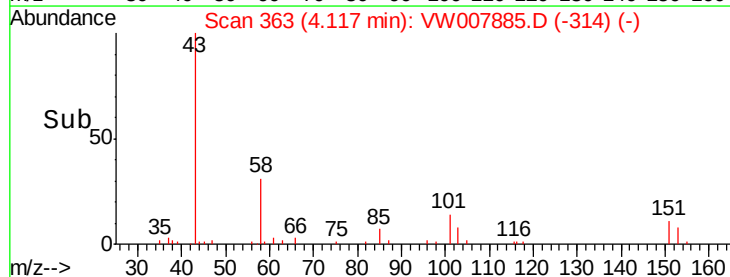
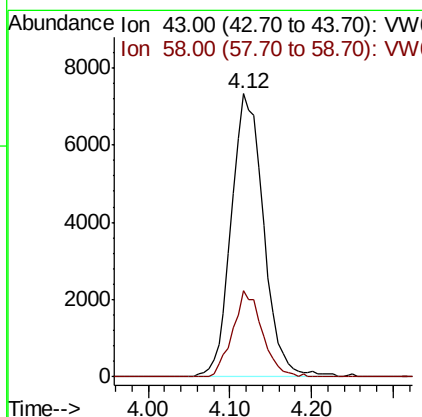
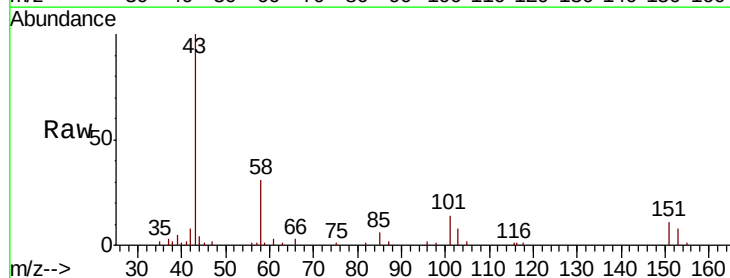
RT: 4.12 min Scan# 363

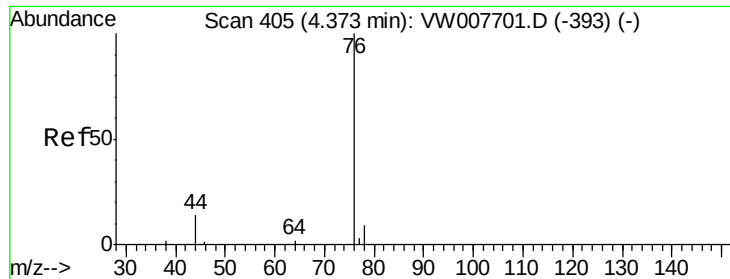
Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Tgt Ion:	43	Resp:	20044
Ion	Ratio	Lower	Upper
43	100		
58	30.6	21.2	31.8





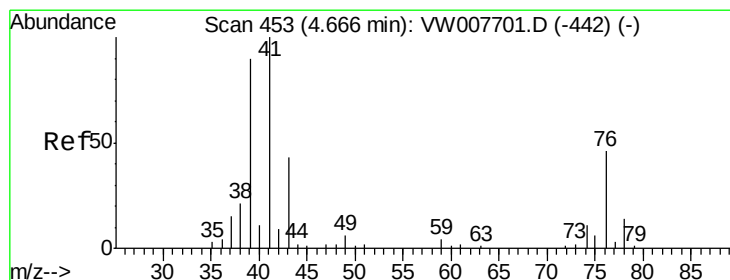
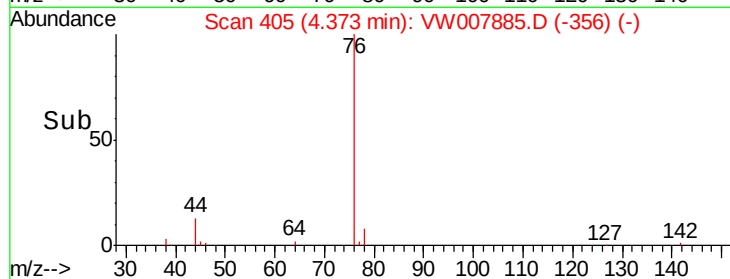
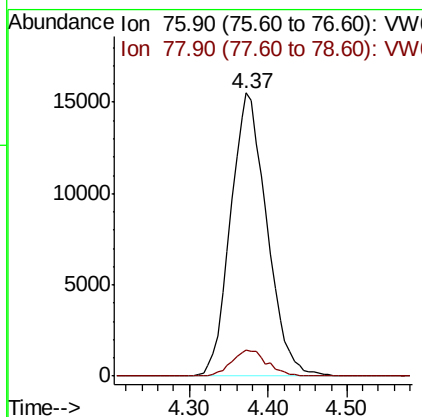
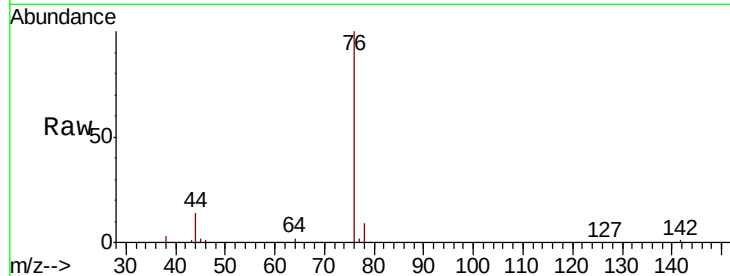
#17
Carbon Disulfide
Concen: 20.551 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

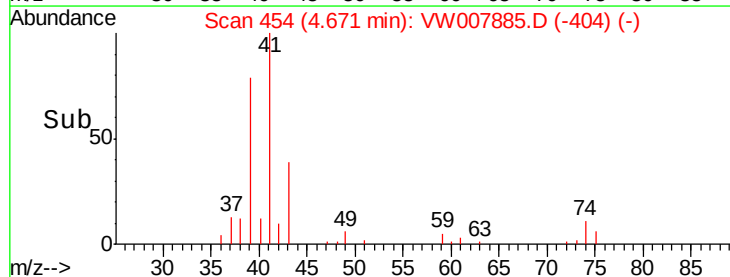
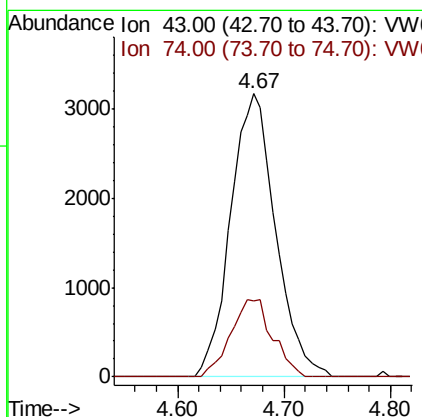
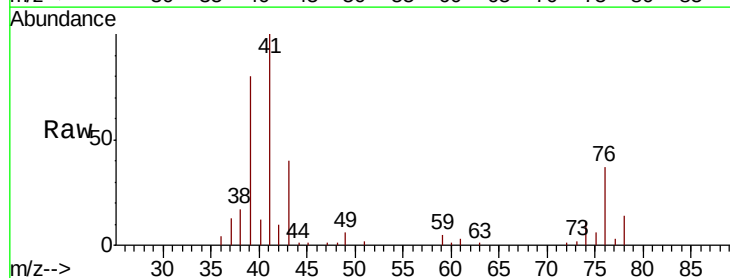
Manual Integrations
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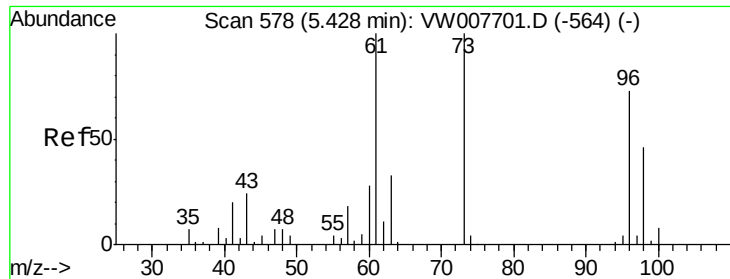
MMDadoda
12/26/2018 4:38:50 PM



#18
Methyl Acetate
Concen: 24.357 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	22.7	34.1





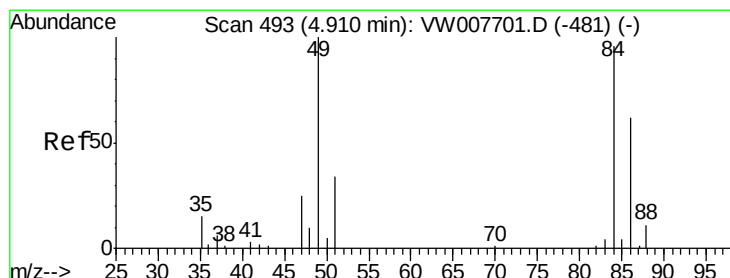
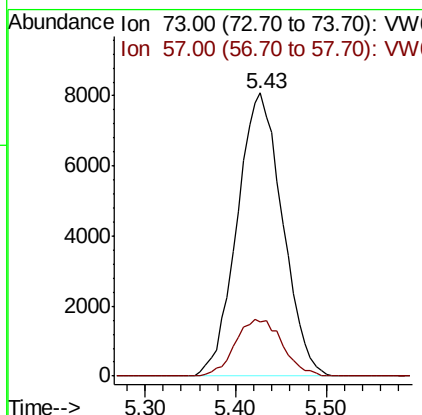
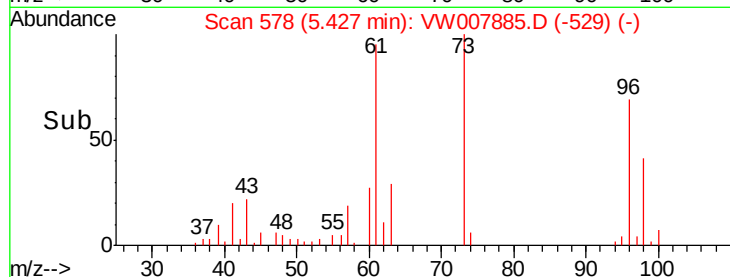
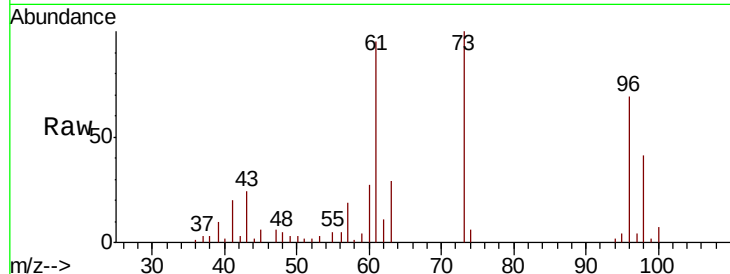
#19
Methyl tert-butyl Ether
Concen: 25.092 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion: 73 Resp: 28013
Ion Ratio Lower Upper
73 100
57 19.0 14.7 22.1

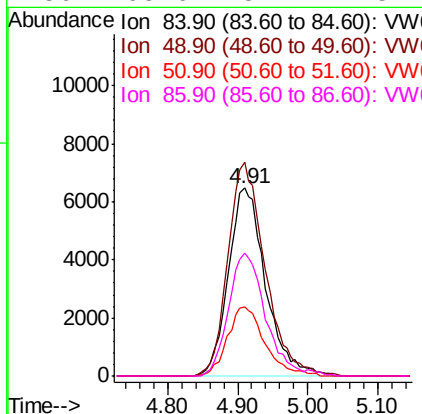
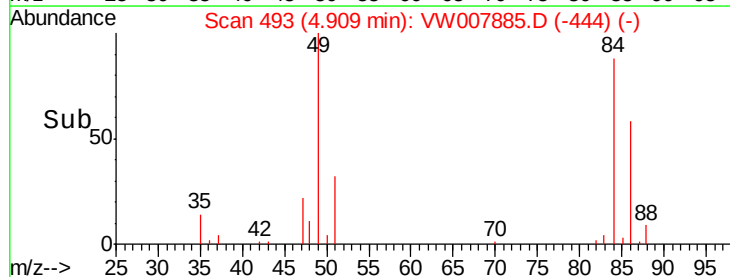
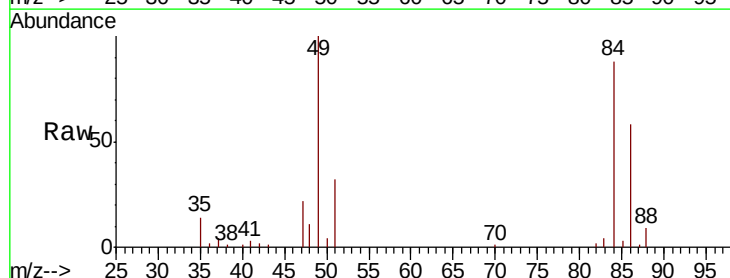
Manual Integrations
APPROVED

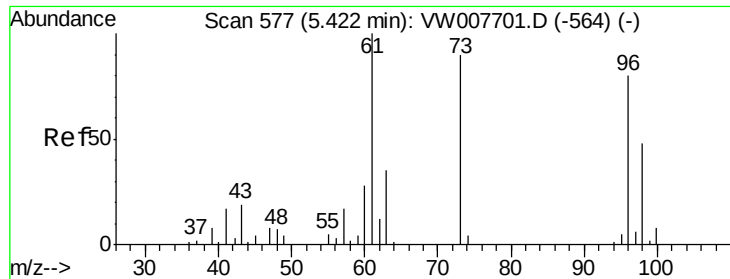
MMDadoda
12/26/2018 4:38:50 PM



#20
Methylene Chloride
Concen: 26.637 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion: 84 Resp: 23934
Ion Ratio Lower Upper
84 100
49 113.7 83.7 125.5
51 36.8 28.2 42.2
86 65.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 21.301 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion: 96 Resp: 18218

Ion Ratio Lower Upper

96 100

61 141.5 100.1 150.1

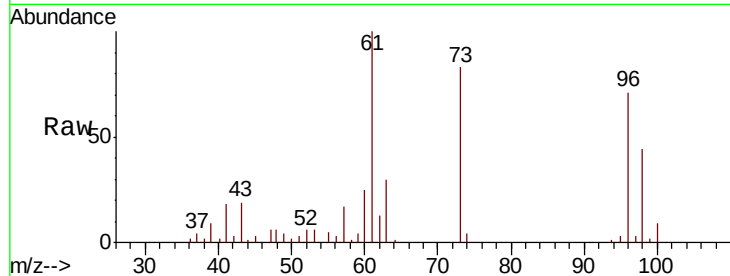
98 61.7 48.5 72.7

Manual Integrations

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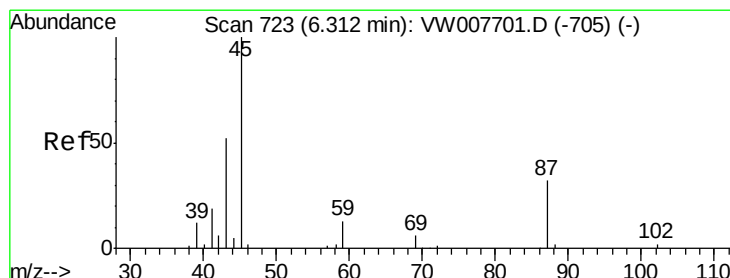
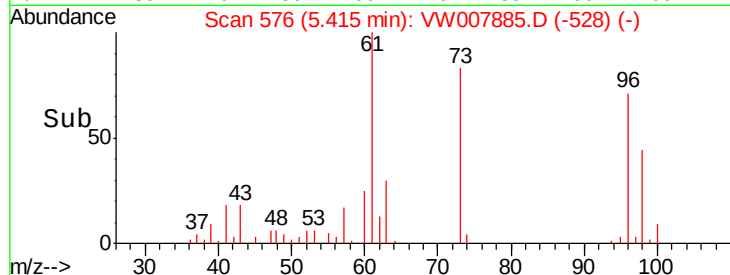
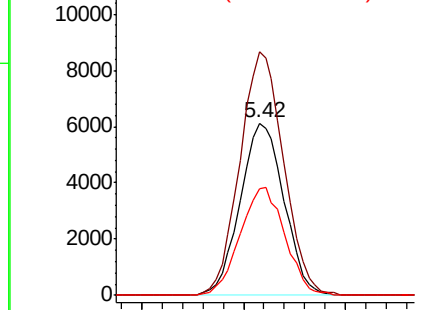


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 25.090 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Tgt Ion: 45 Resp: 47909

Ion Ratio Lower Upper

45 100

43 56.1 43.7 65.5

87 32.7 26.6 40.0

59 13.0 10.2 15.2

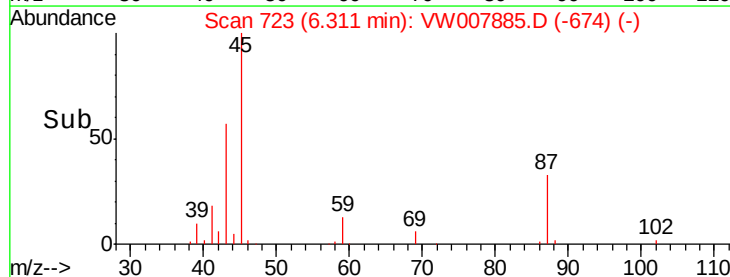
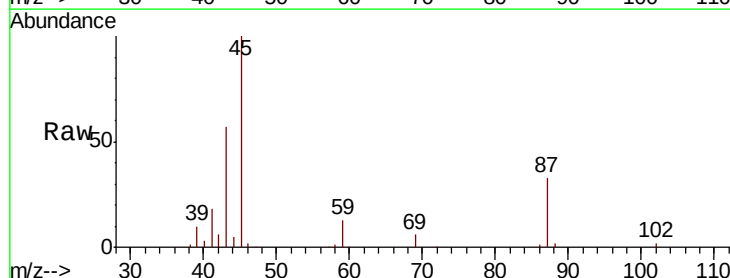
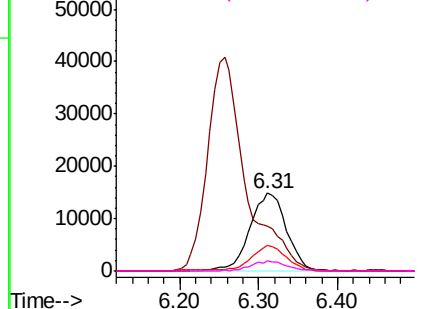
Abundance

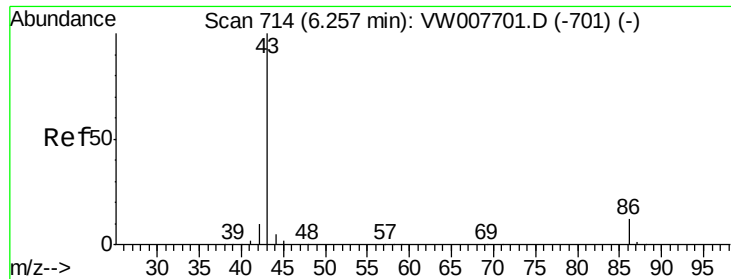
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 121.805 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion: 43 Resp: 138188

Ion Ratio Lower Upper

43 100

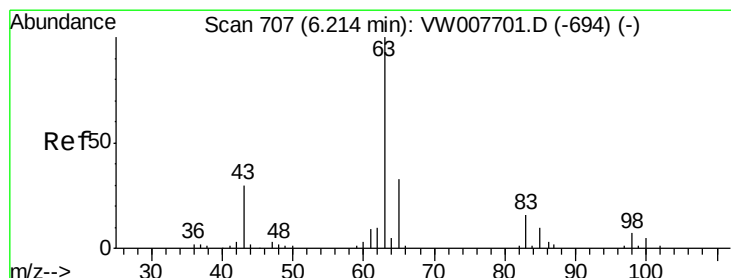
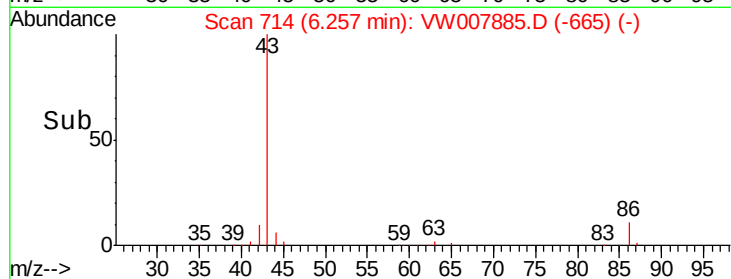
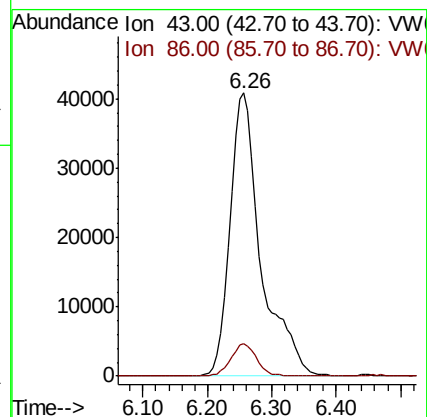
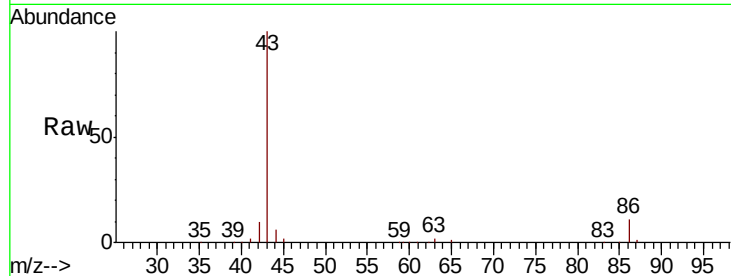
86 11.3 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.842 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

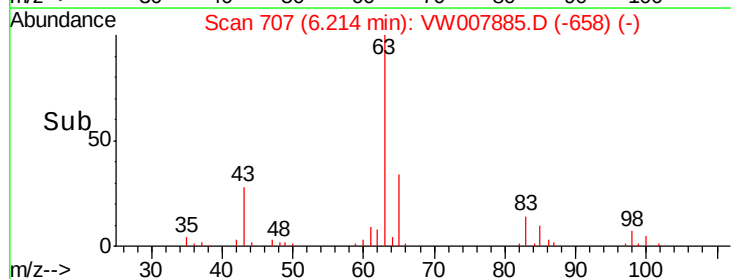
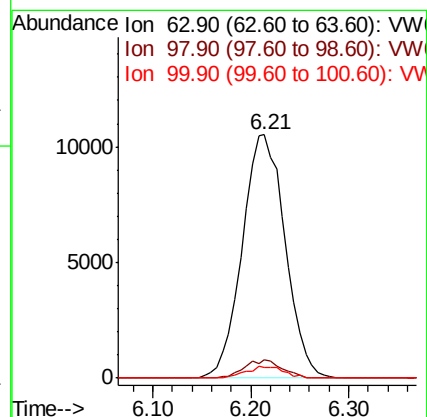
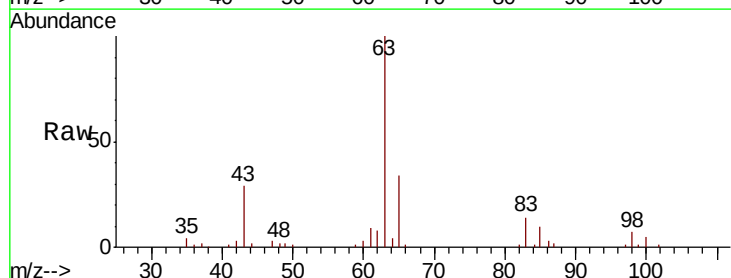
Tgt Ion: 63 Resp: 32087

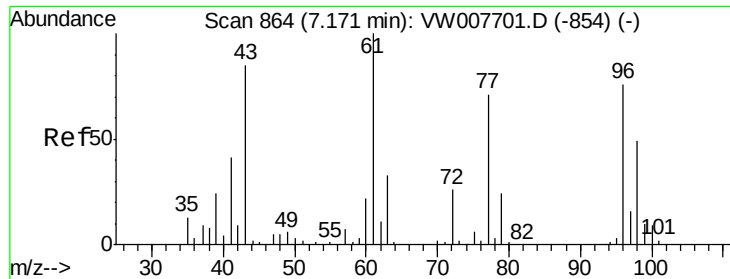
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.5 2.5 7.5





#25

2-Butanone

Concen: 121.535 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion: 43 Resp: 23029

Ion Ratio Lower Upper

43 100

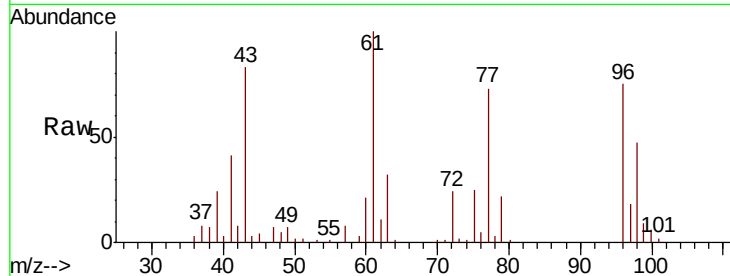
72 29.5 24.5 36.7

Manual Integrations

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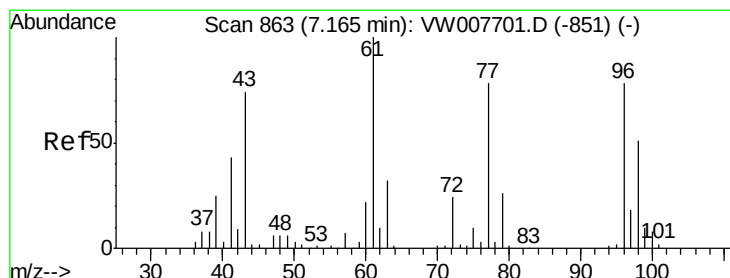
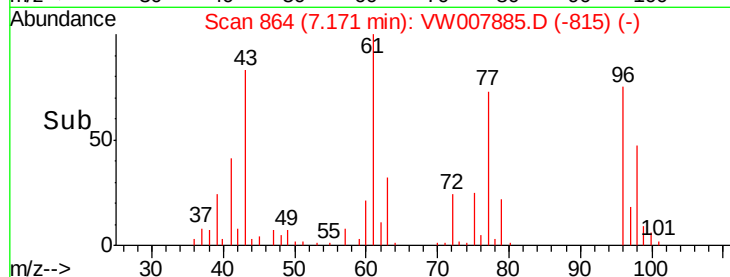
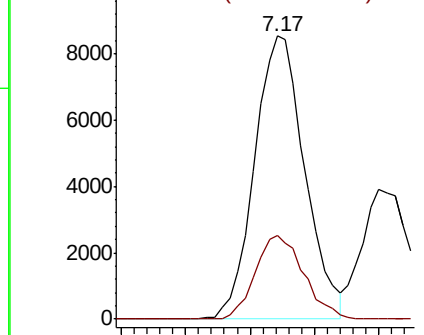
MMDadoda

12/26/2018 4:38:50 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: 23.058 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007885.D

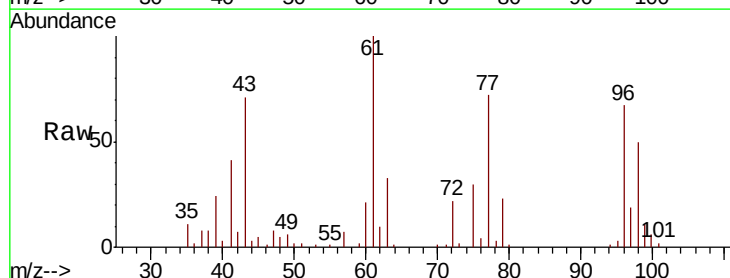
Acq: 24 Dec 2018 13:42

Tgt Ion: 77 Resp: 23702

Ion Ratio Lower Upper

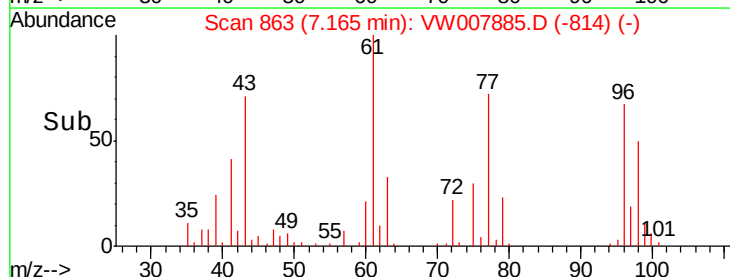
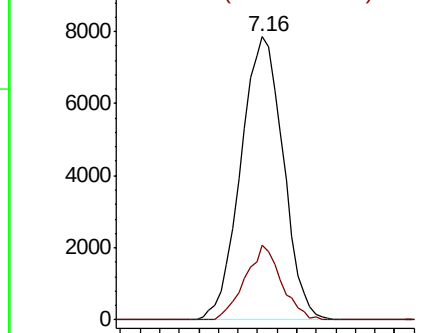
77 100

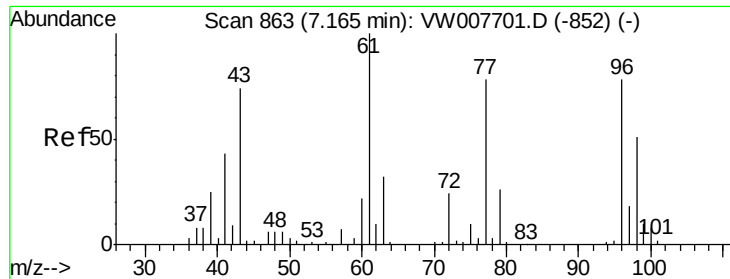
97 22.5 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

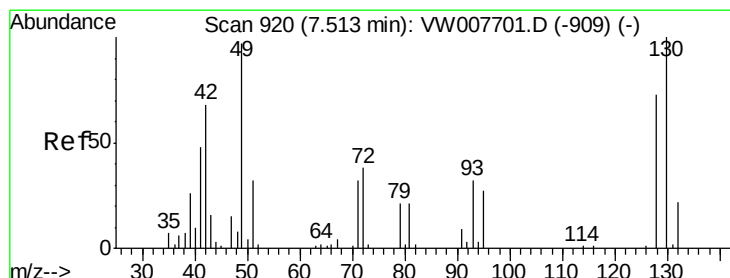
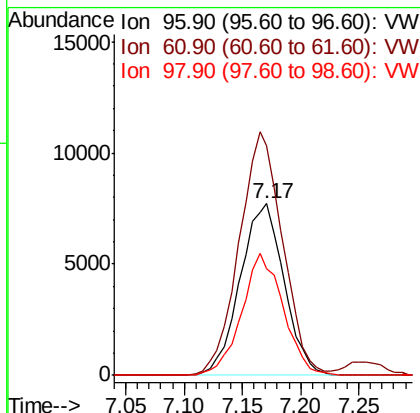
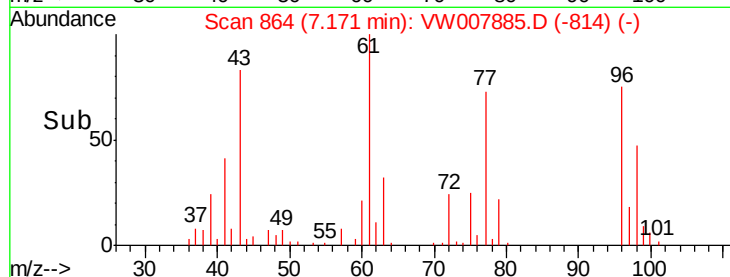
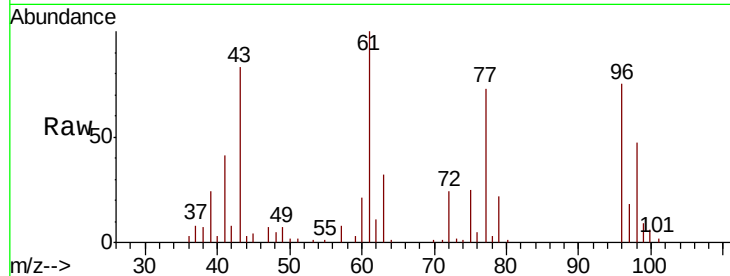
cis-1,2-Dichloroethene
 Concen: 22.113 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	271.6
98	67.2	0.0	131.2

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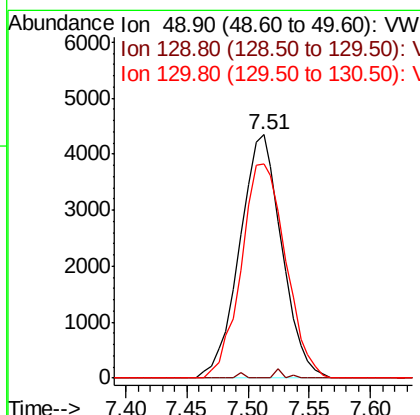
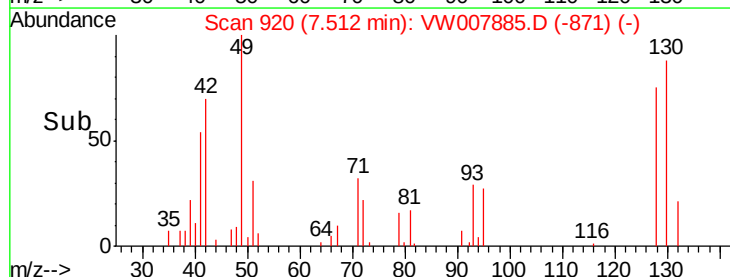
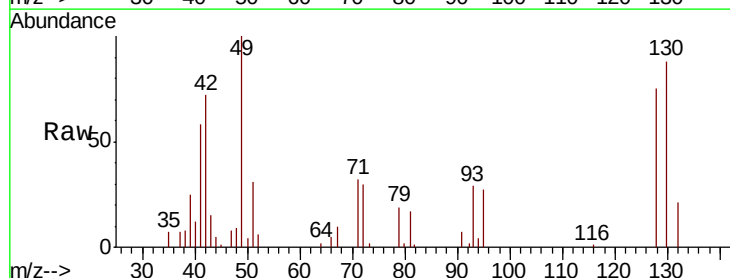
MMDadoda
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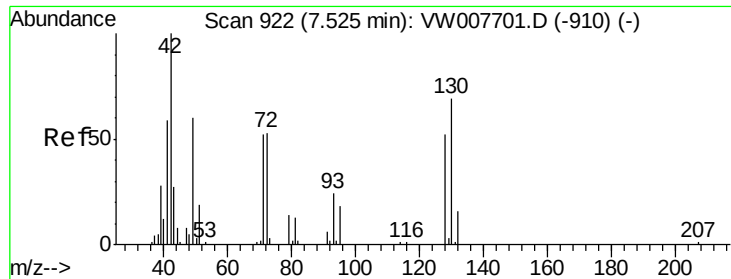


#28

Bromochloromethane
 Concen: 21.774 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.2
130	92.5	81.5	122.3





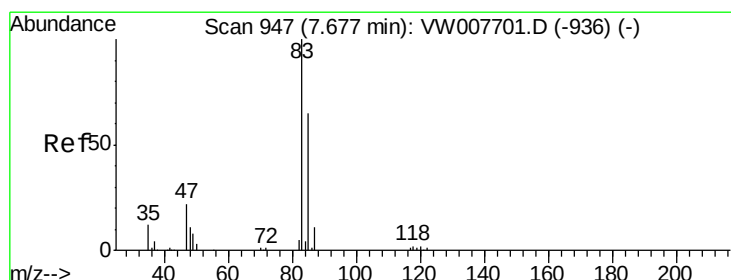
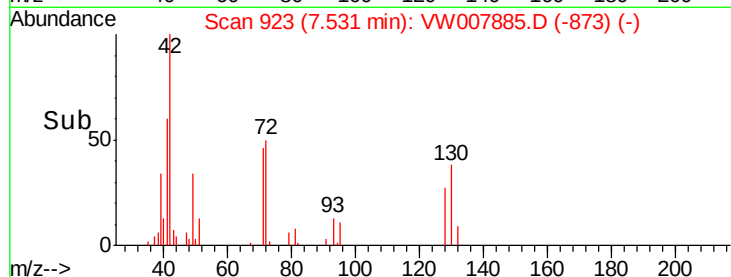
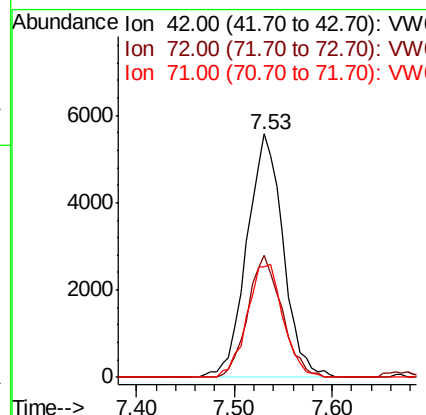
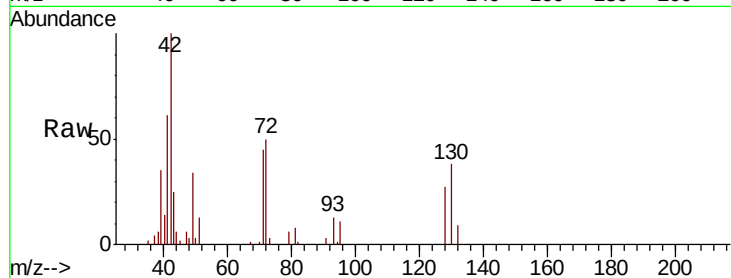
#29
Tetrahydrofuran
Concen: 126.999 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	41.7	62.5
71	45.9	39.0	58.6

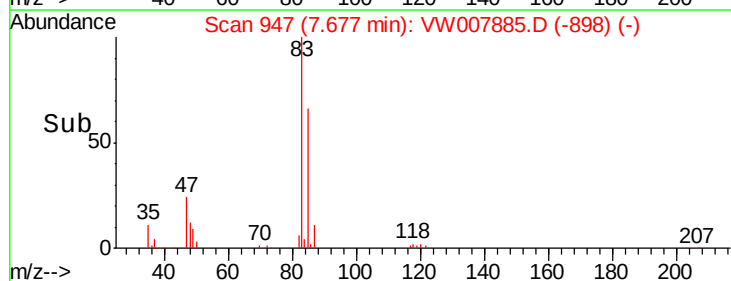
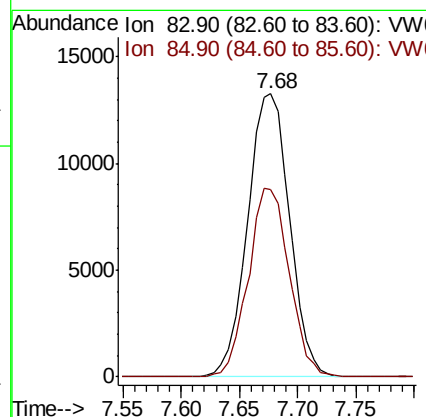
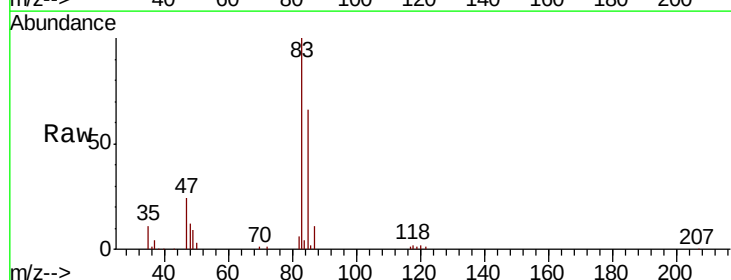
Manual Integrations
APPROVED

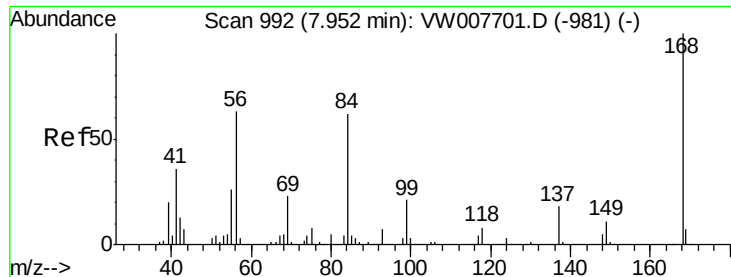
MMDadoda
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#30
Chloroform
Concen: 20.884 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.2





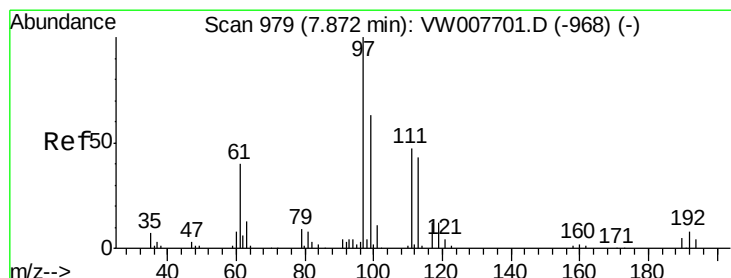
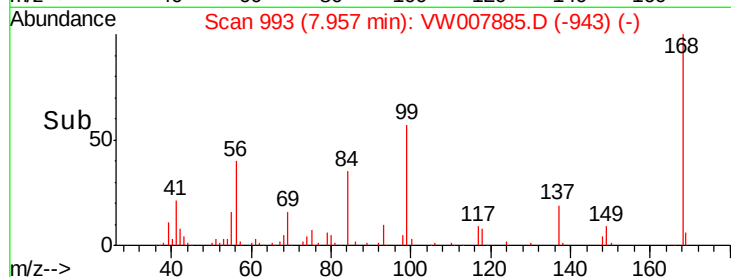
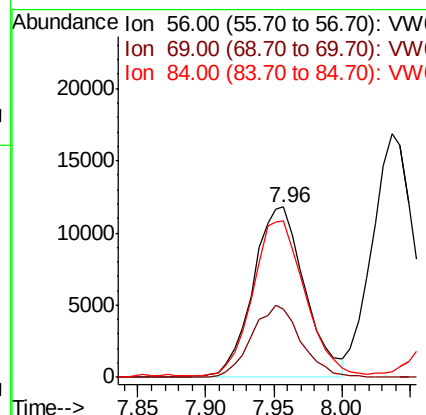
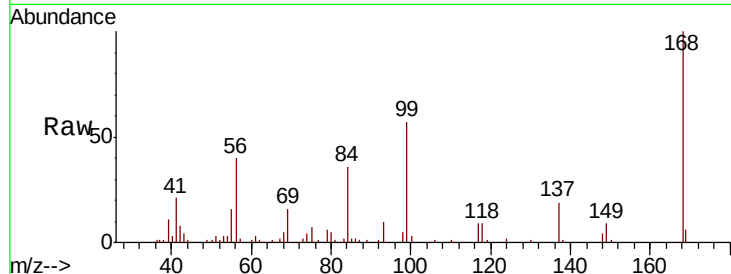
#31
Cyclohexane
Concen: 24.418 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.3	29.7	44.5
84	90.9	78.9	118.3

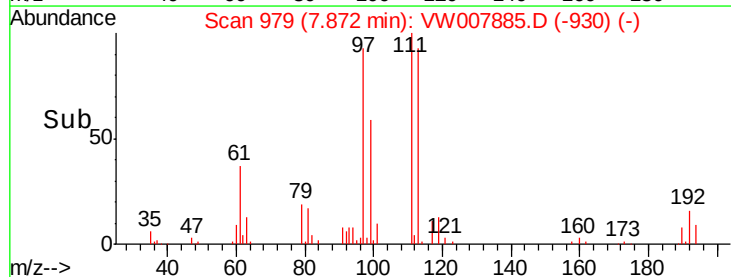
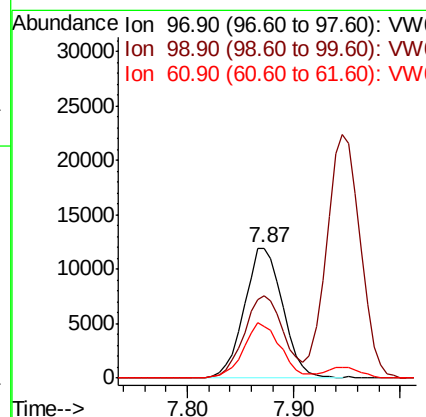
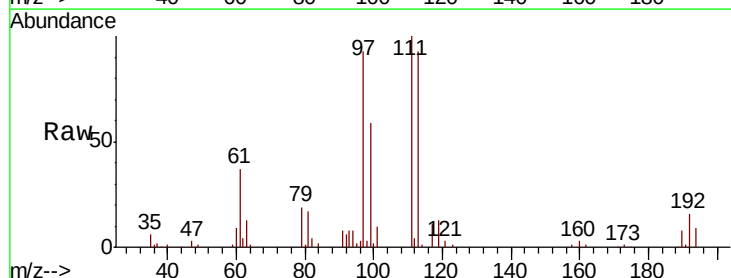
Manual Integrations
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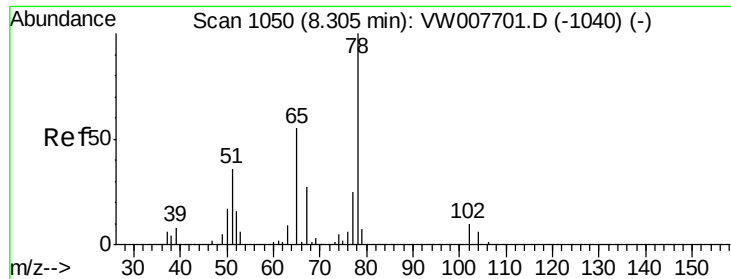
MMDadoda
12/26/2018 4:38:50 PM



#32
1,1,1-Trichloroethane
Concen: 20.902 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.6	76.0
61	40.7	32.3	48.5





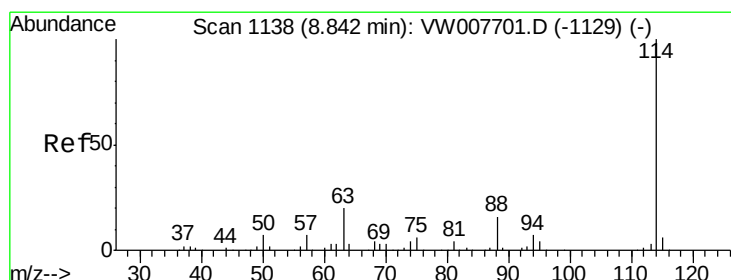
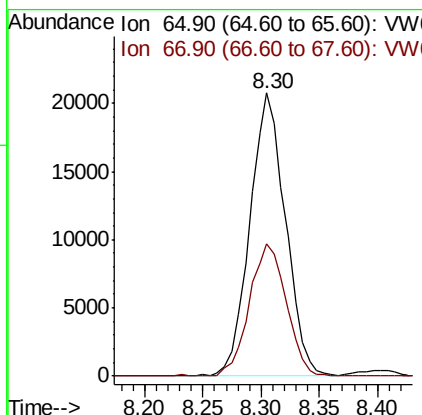
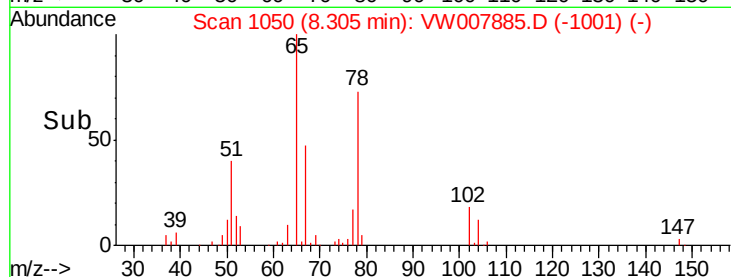
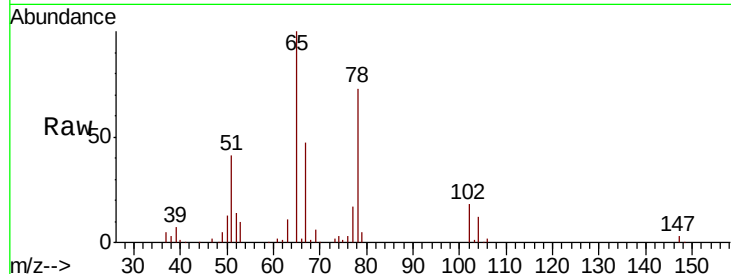
#33
 1,2-Dichloroethane-d4
 Concen: 50.876 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	100.6

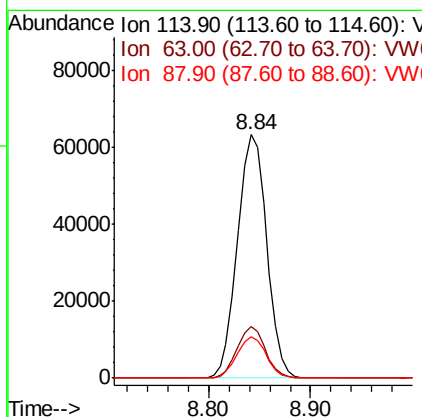
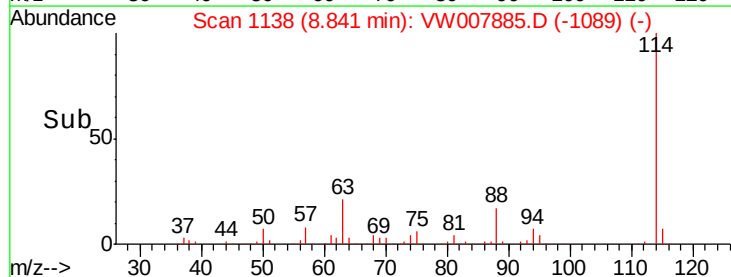
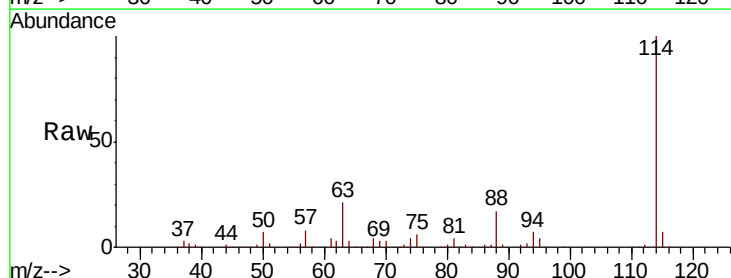
Manual Integrations
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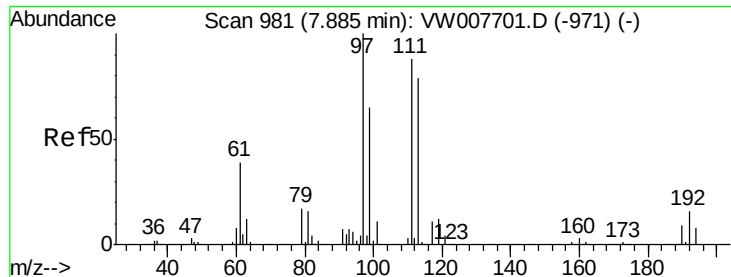
MMDadoda
 12/26/2018 4:38:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.0
88	16.8	0.0	32.6





#35

Dibromofluoromethane

Concen: 50.157 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion:113 Resp: 38608

Ion Ratio Lower Upper

113 100

111 104.6 82.6 124.0

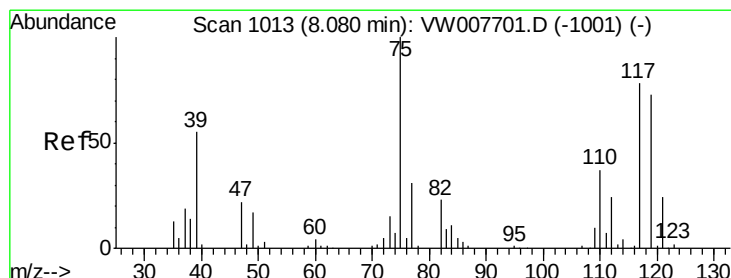
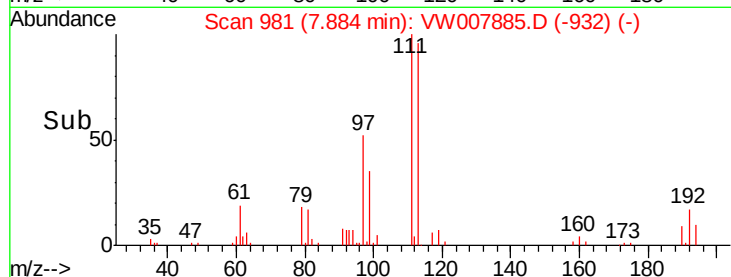
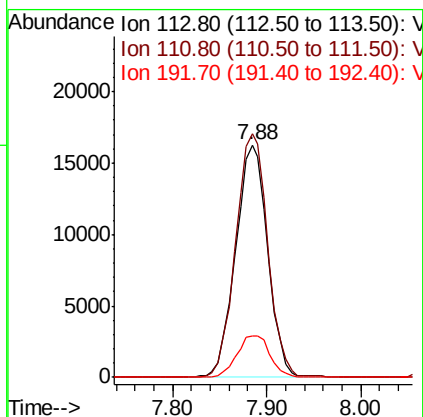
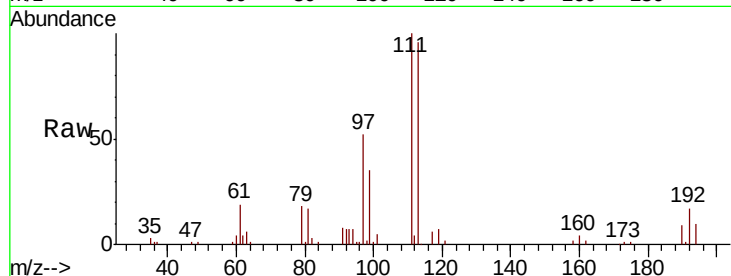
192 18.5 15.5 23.3

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 22.336 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

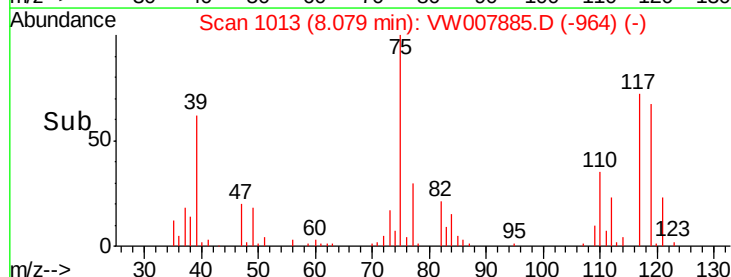
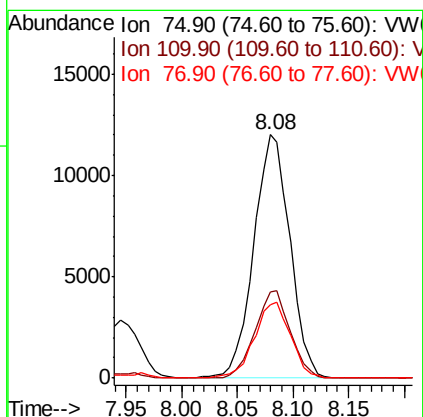
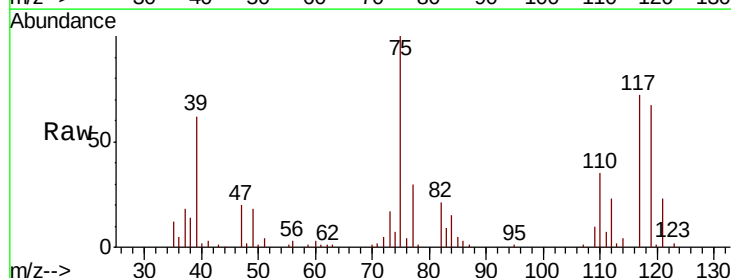
Tgt Ion: 75 Resp: 27201

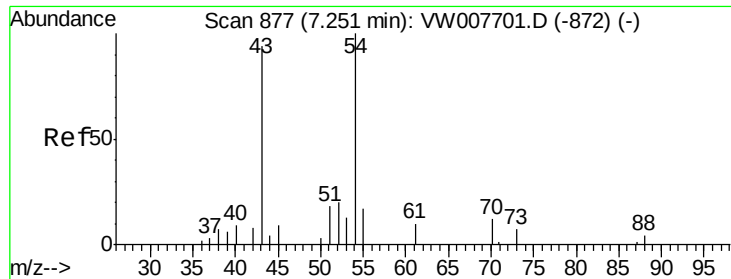
Ion Ratio Lower Upper

75 100

110 34.7 18.6 55.8

77 31.1 25.0 37.4





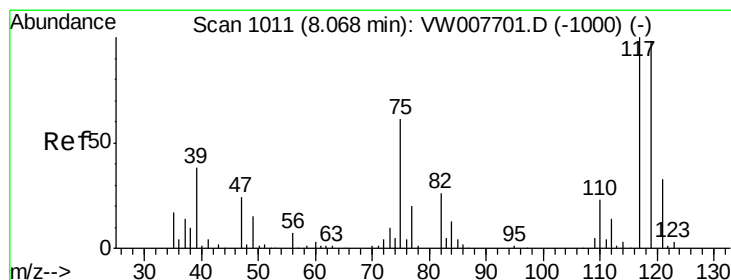
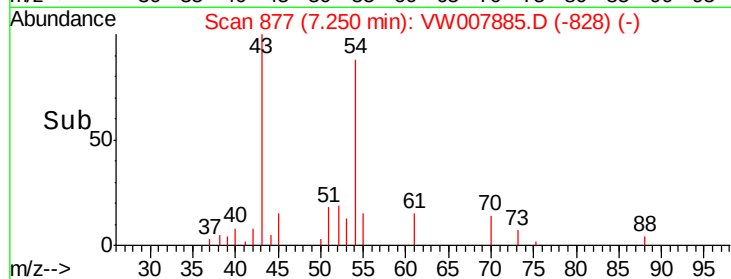
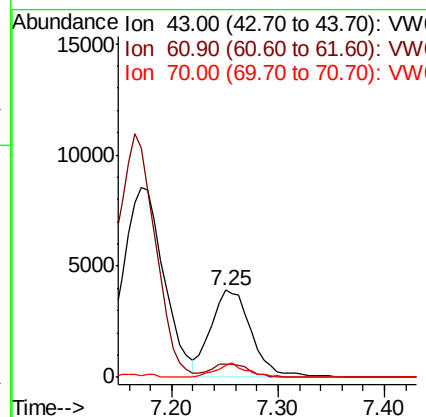
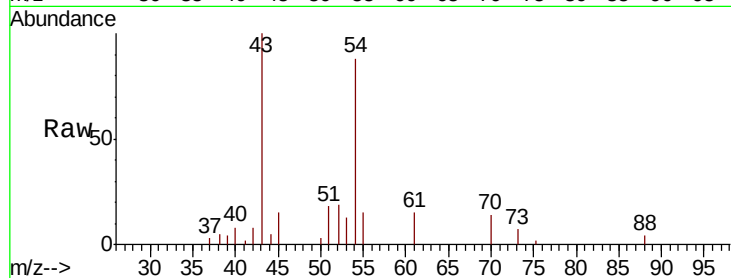
#37
Ethyl Acetate
Concen: 24.866 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	12.1	9.3	13.9

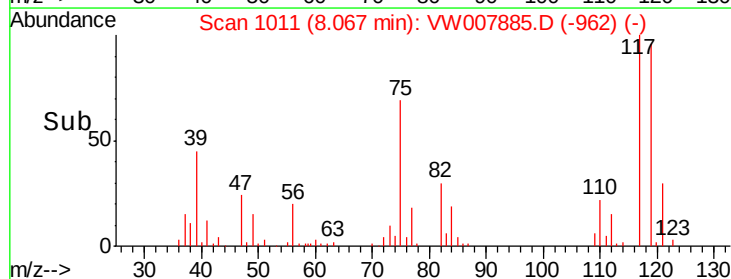
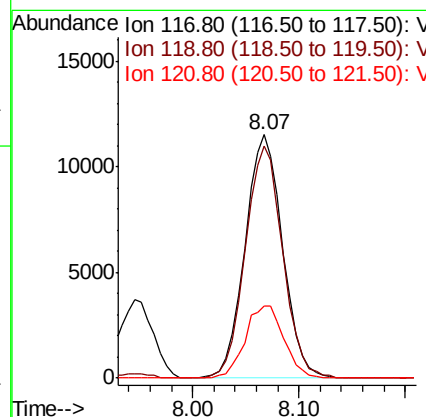
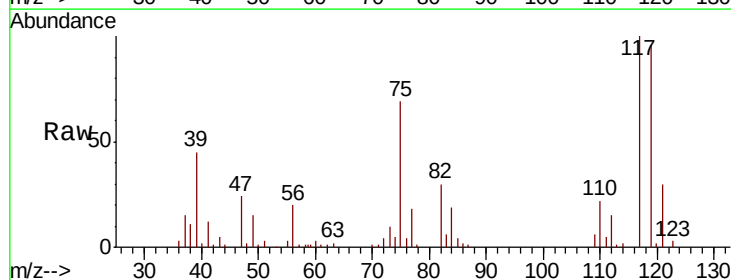
Manual Integrations
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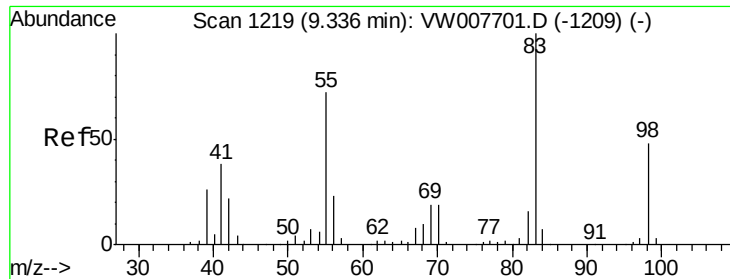
MMDadoda
12/26/2018 4:38:50 PM



#38
Carbon Tetrachloride
Concen: 19.815 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.2	117.2
121	29.6	26.1	39.1





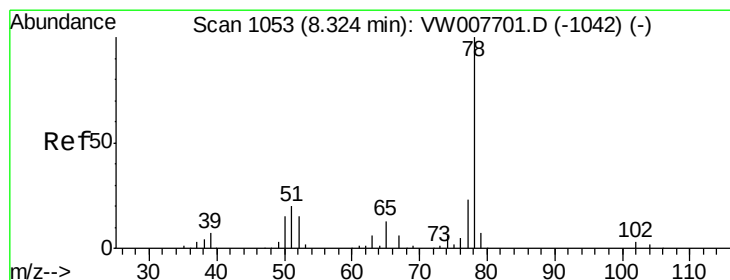
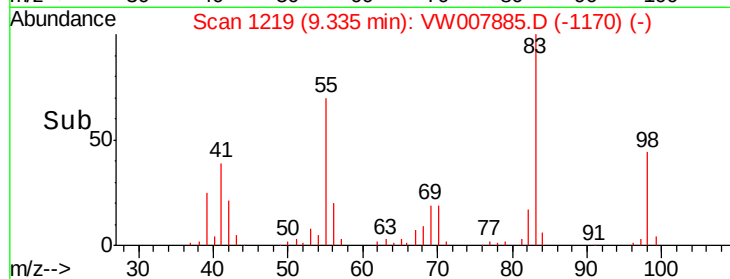
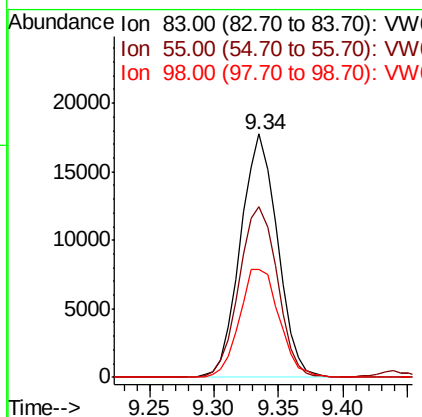
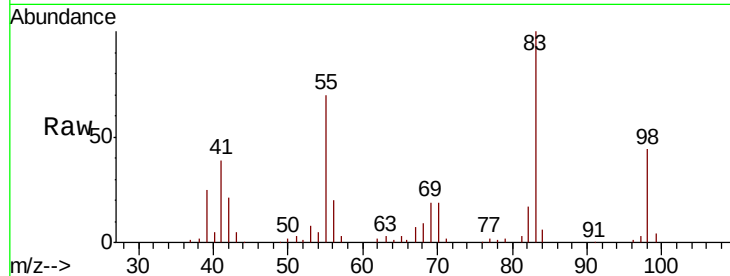
#39
Methylvlcyclohexane
Concen: 23.366 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	57.2	85.8
98	44.3	38.6	58.0

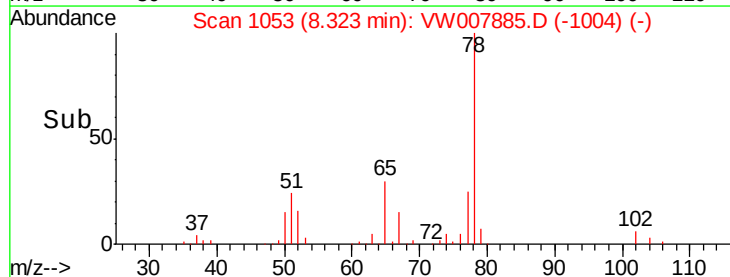
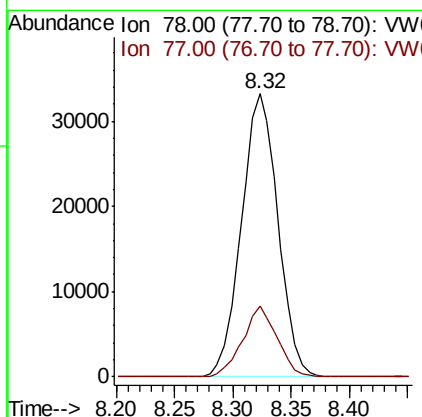
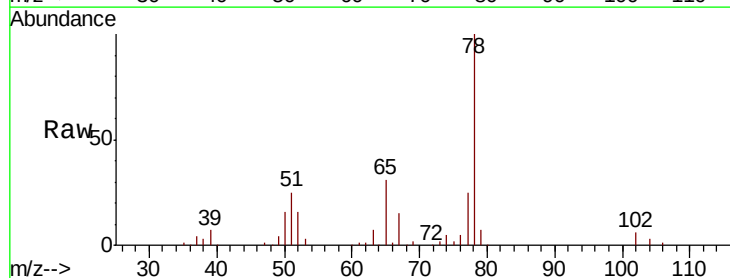
Manual Integrations
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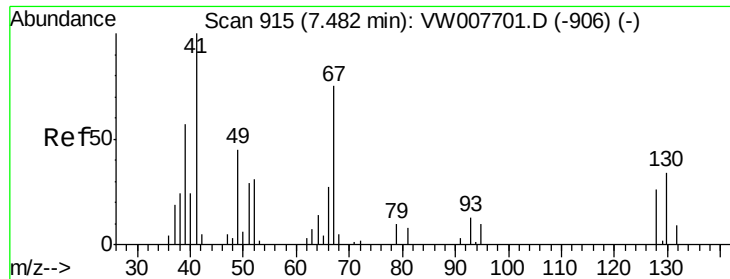
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12/26/2018 4:38:50 PM



#40
Benzene
Concen: 22.312 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.7	28.1





#41

Methacrylonitrile

Concen: 24.847 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

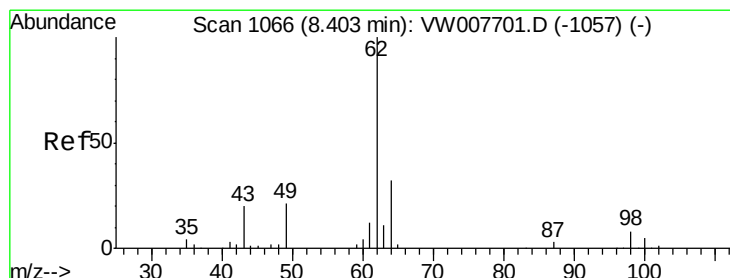
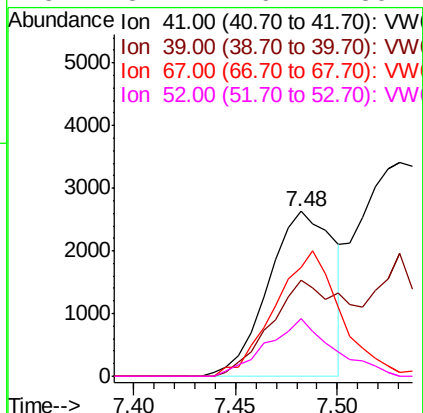
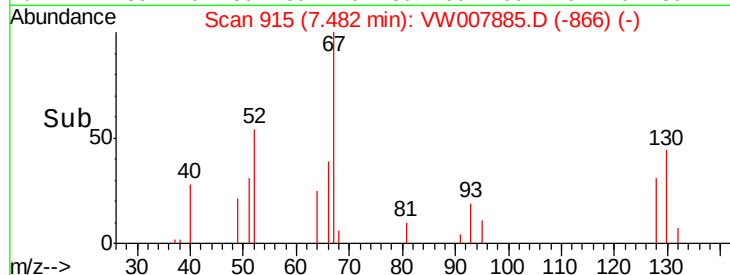
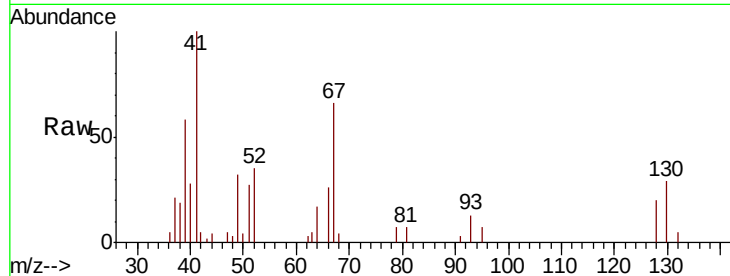
VW1225SBS02

Tot Ion: 41 Resp: 5929

Ion	Ratio	Lower	Upper
41	100		
39	70.0	54.2	81.4
67	76.4	65.7	98.5
52	34.7	26.2	39.4

Manual Integrations
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12/26/2018 4:38:50 PM



#42

1,2-Dichloroethane

Concen: 20.968 ug/l

RT: 8.40 min Scan# 1065

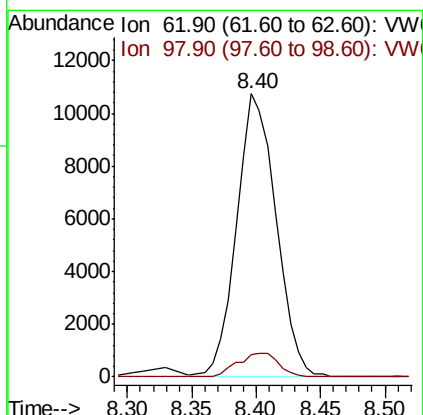
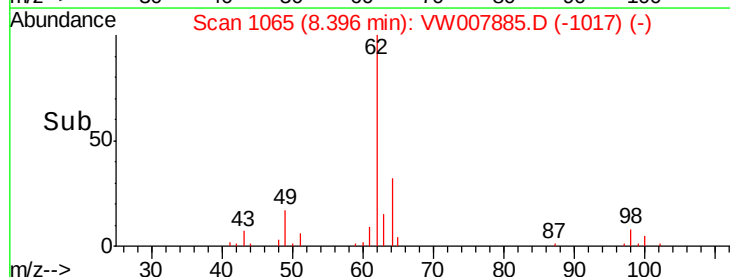
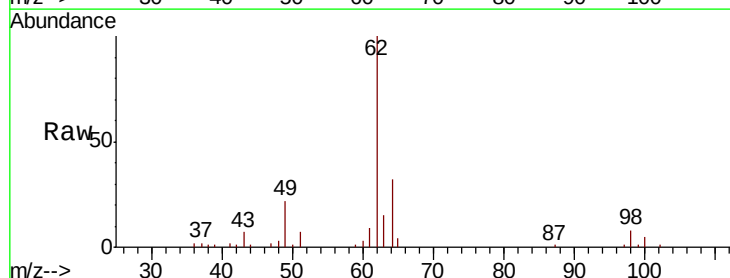
Delta R.T. -0.01 min

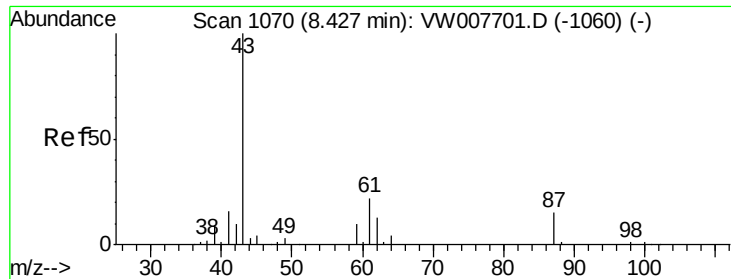
Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Tgt Ion: 62 Resp: 22836

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 24.535 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

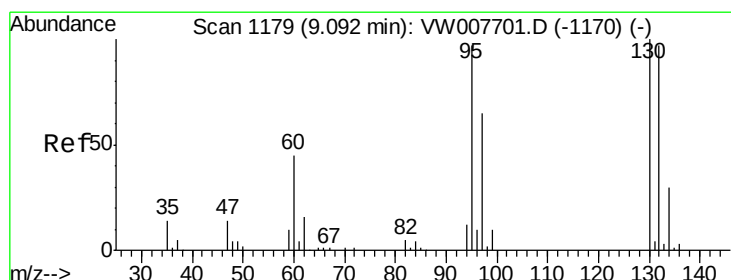
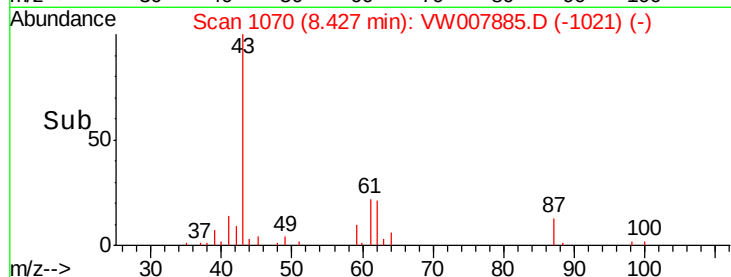
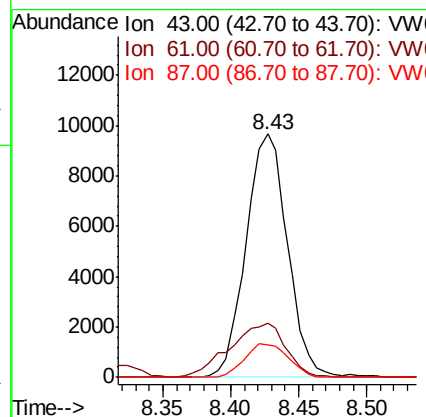
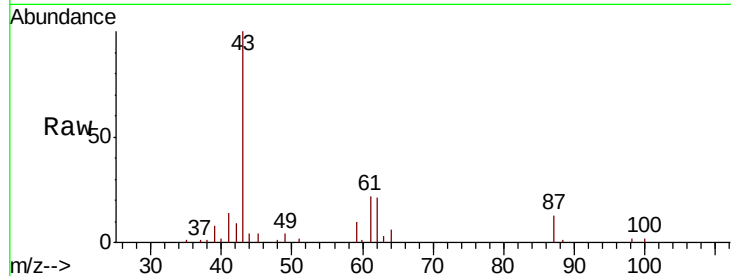
ClientSampleId :

VW1225SBS02

Tot Ion:	43	Resp:	20659
Ion	Ratio	Lower	Upper
43	100		
61	30.0	26.3	39.5
87	14.4	12.0	18.0

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#44

Trichloroethene

Concen: 21.359 ug/l

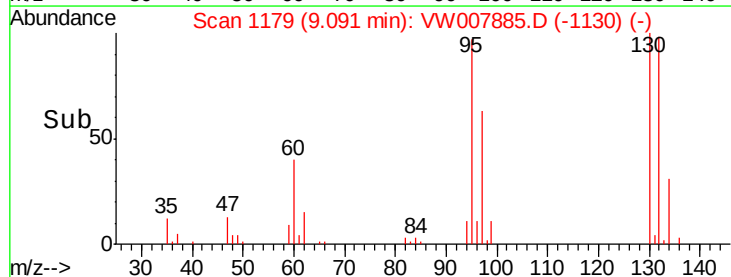
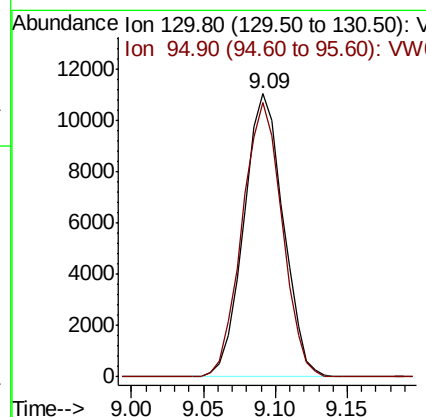
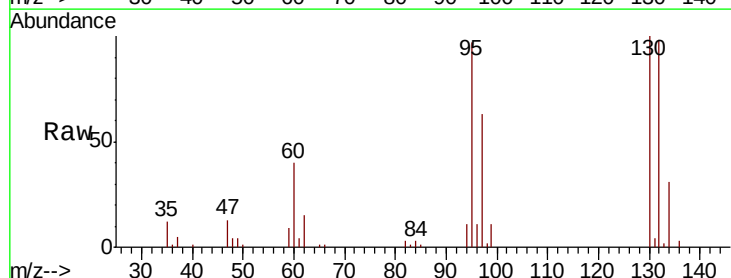
RT: 9.09 min Scan# 1179

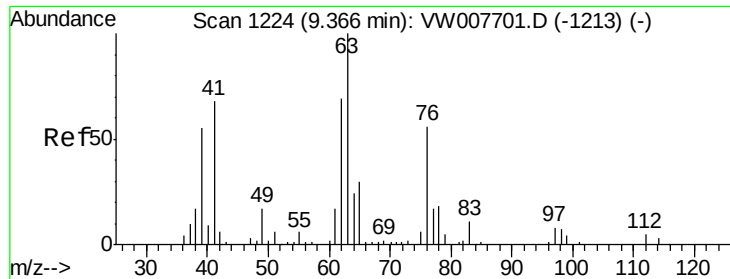
Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Tgt Ion:	130	Resp:	20991
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	194.8





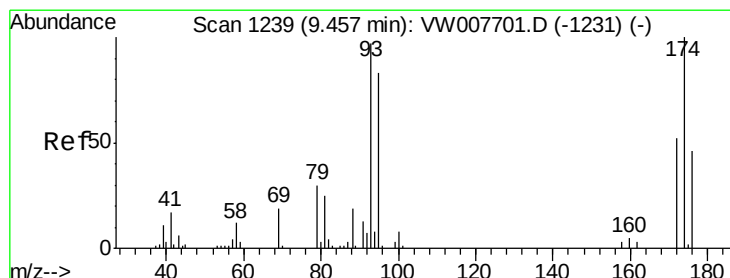
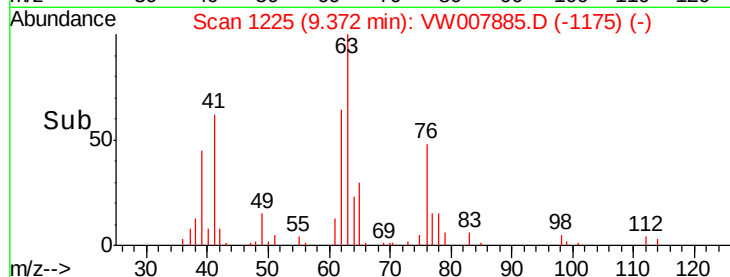
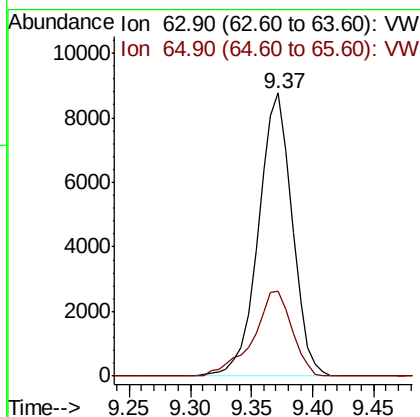
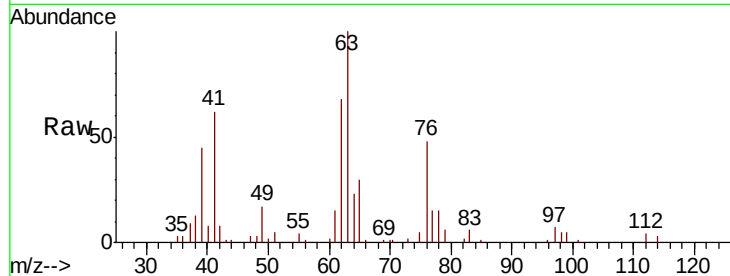
#45
 1,2-Dichloropropane
 Concen: 23.327 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.8	35.8

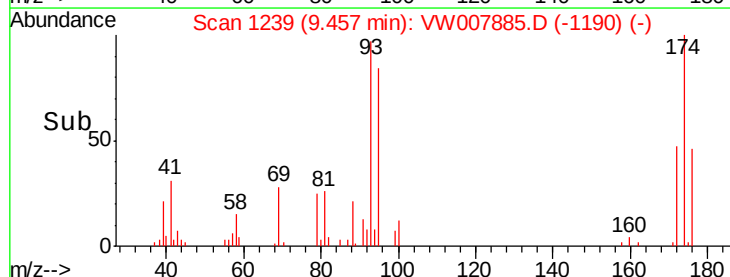
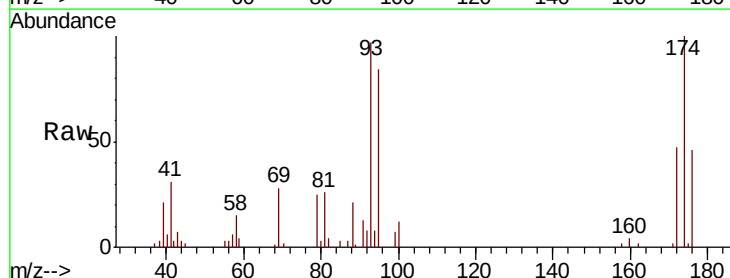
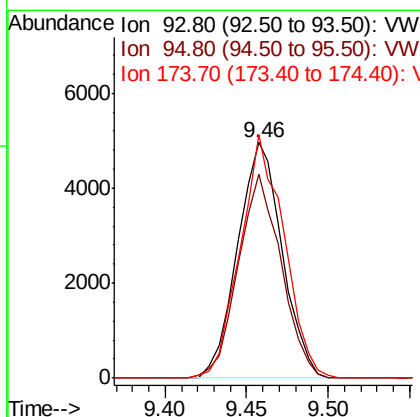
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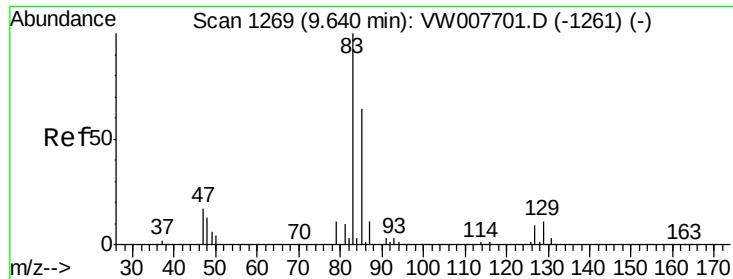
MMDadoda
 12/26/2018 4:38:50 PM



#46
 Dibromomethane
 Concen: 21.138 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	67.5	101.3
174	101.5	83.9	125.9





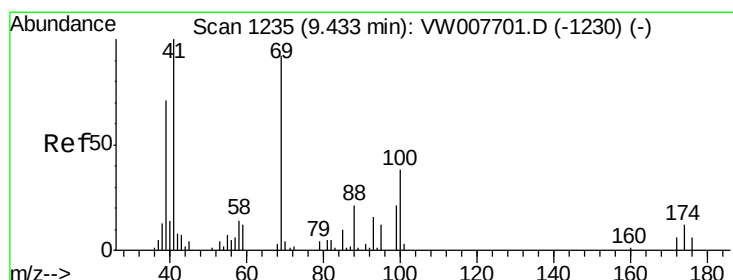
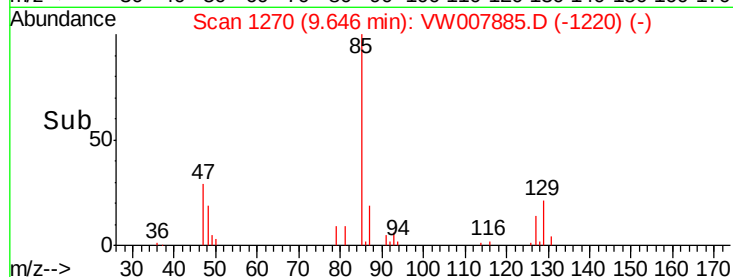
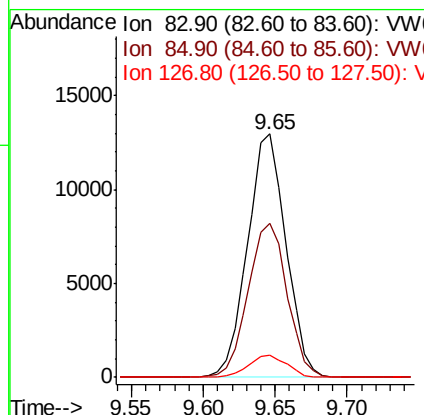
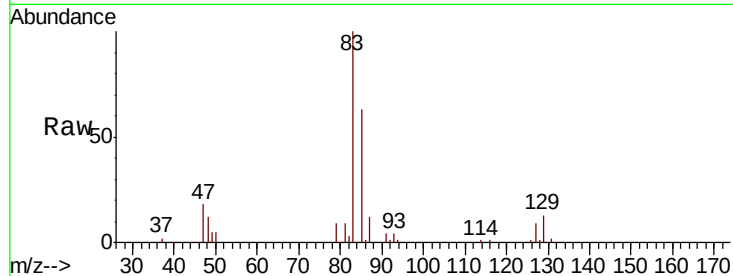
#47
Bromodichloromethane
Concen: 20.466 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	23882		
85	63.3		51.4	77.0
127	8.9		7.5	11.3

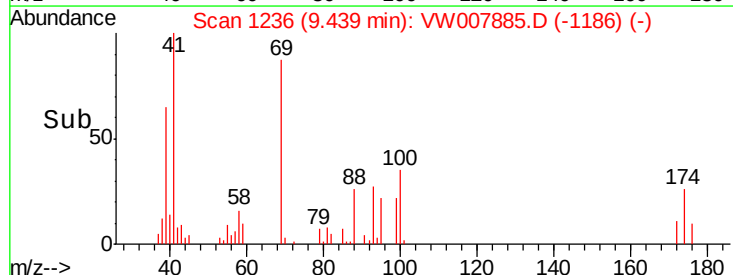
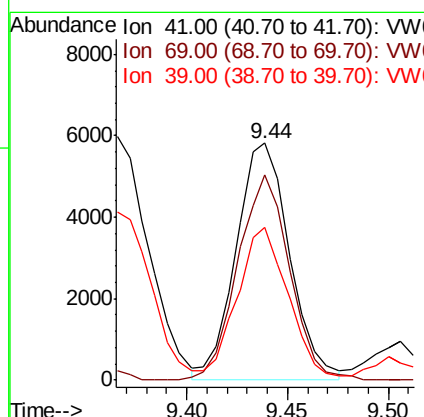
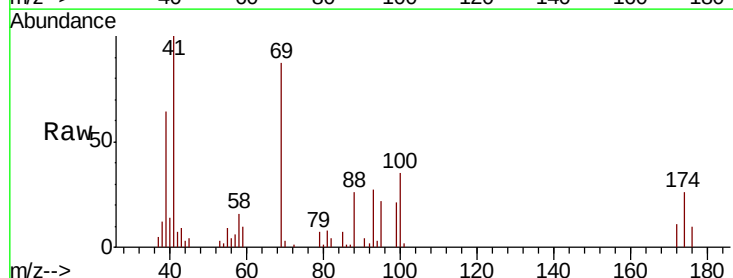
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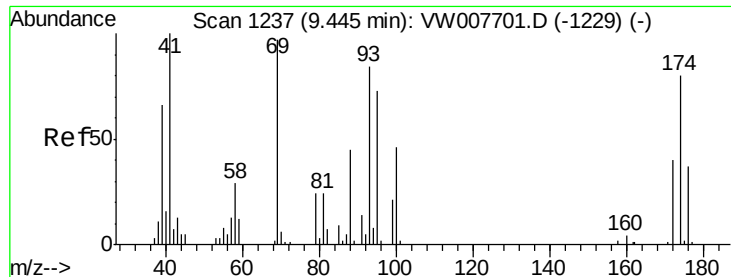
MMDadoda
12/26/2018 4:38:50 PM



#48
Methyl methacrylate
Concen: 25.596 ug/l m
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	10758		
69	84.0		74.2	111.2
39	57.2		53.9	80.9





#49

1,4-Dioxane

Concen: 455.980 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion: 88 Resp: 3209

Ion Ratio Lower Upper

88 100

43 35.6 25.6 38.4

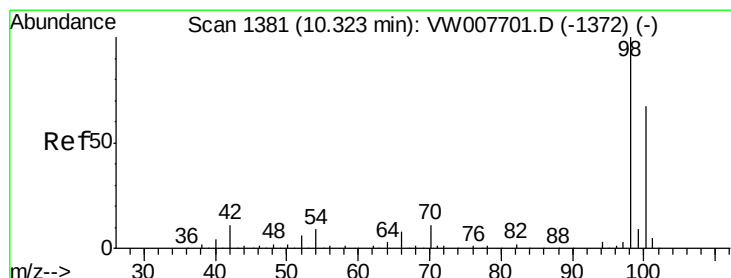
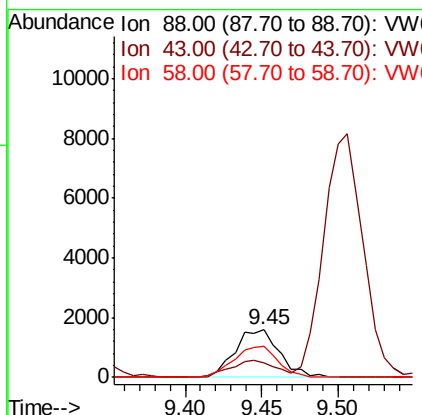
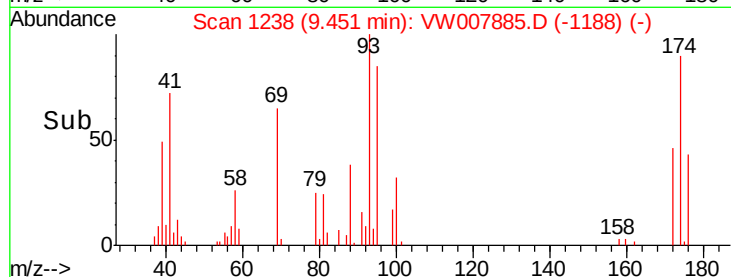
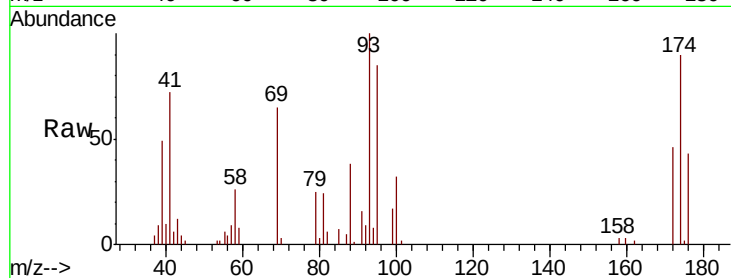
58 63.6 52.3 78.5

Manual Integrations

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#50

Toluene-d8

Concen: 53.109 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007885.D

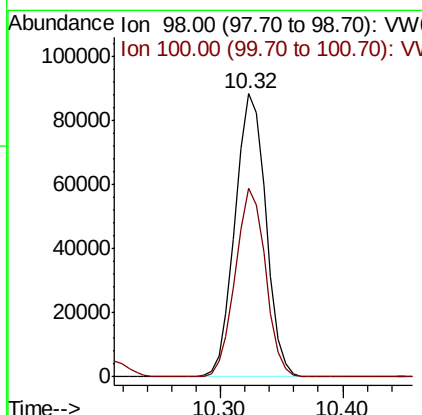
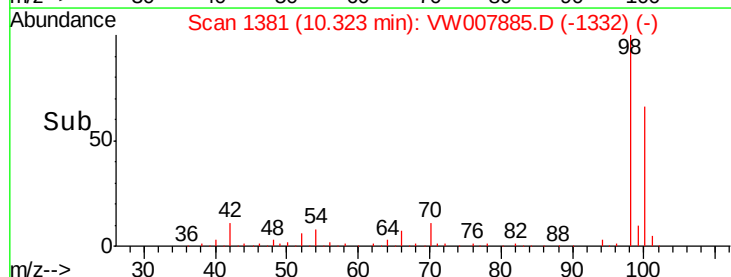
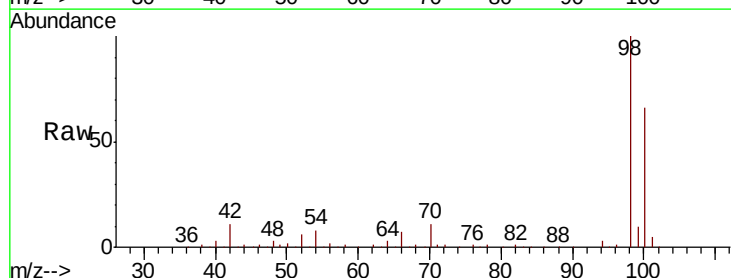
Acq: 24 Dec 2018 13:42

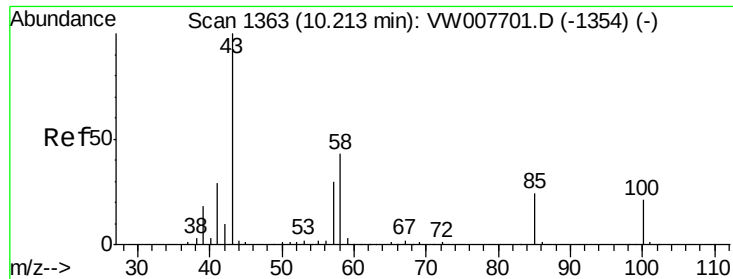
Tgt Ion: 98 Resp: 154114

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2





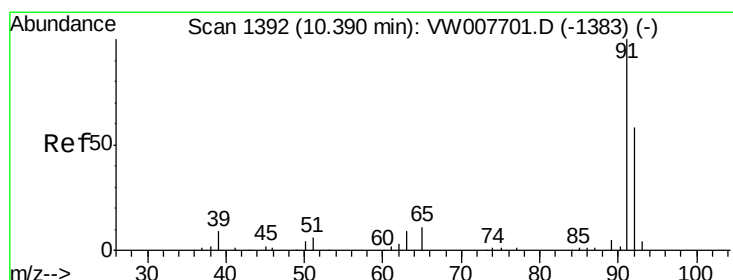
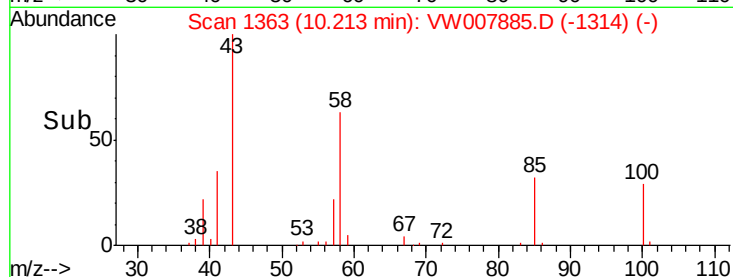
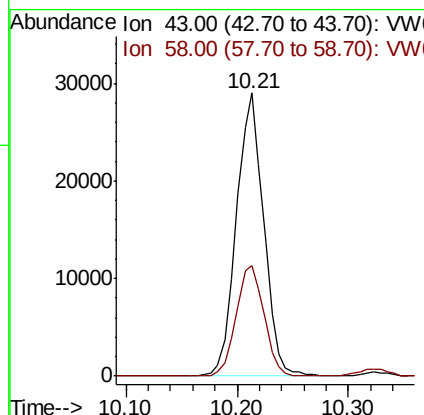
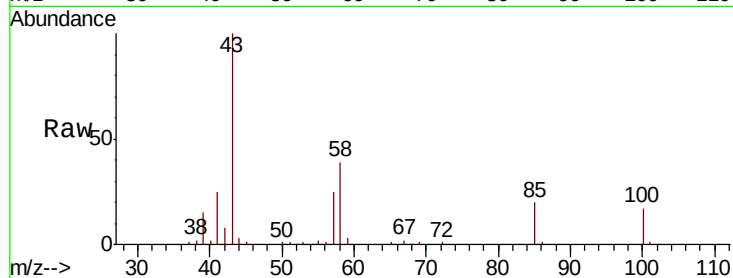
#51
4-Methyl-2-Pentanone
Concen: 123.945 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion: 43 Resp: 49323
Ion Ratio Lower Upper
43 100
58 39.7 33.2 49.8

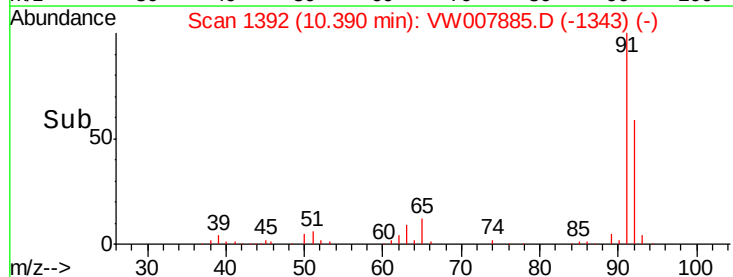
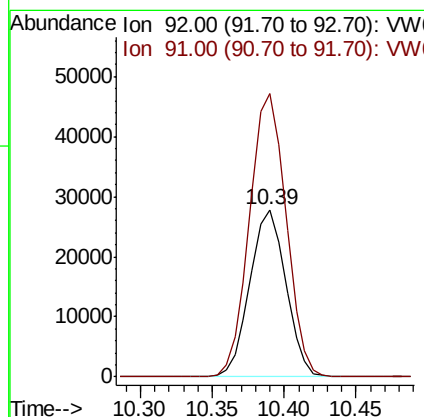
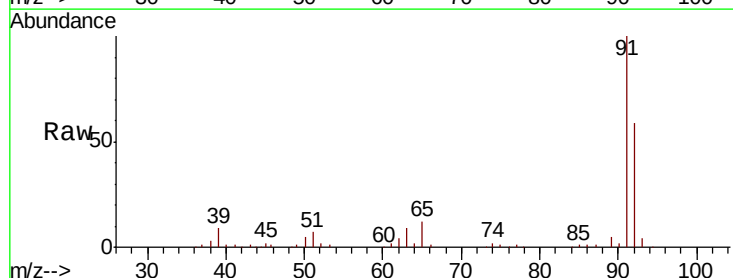
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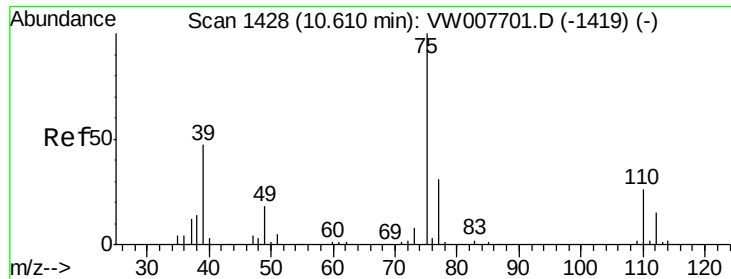
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#52
Toluene
Concen: 22.109 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion: 92 Resp: 48205
Ion Ratio Lower Upper
92 100
91 172.0 137.0 205.4





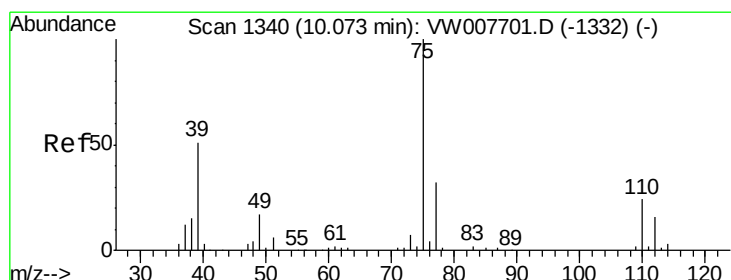
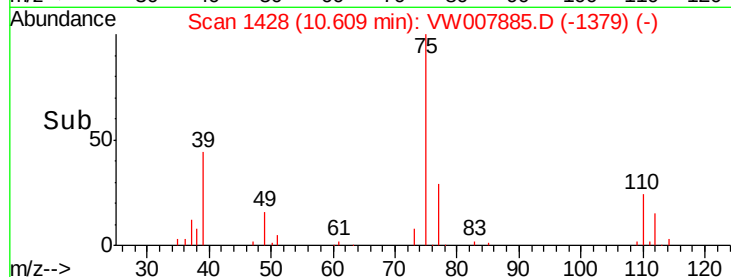
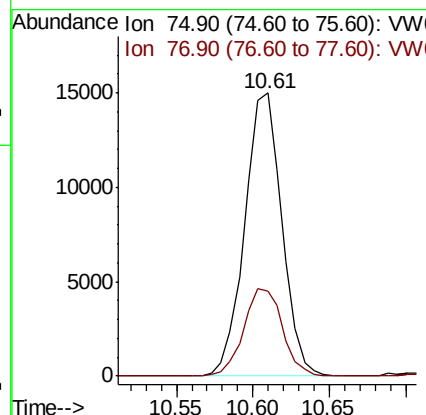
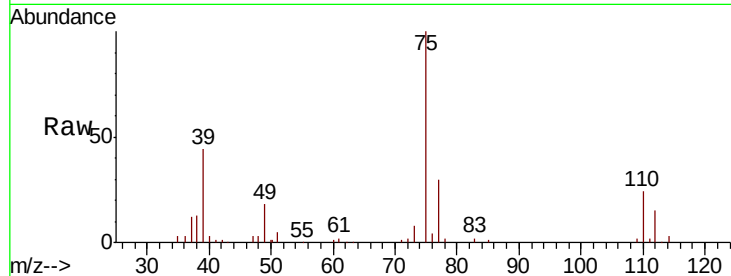
#53
t-1,3-Dichloropropene
Concen: 21.734 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion: 75 Resp: 25227
Ion Ratio Lower Upper
75 100
77 29.9 25.2 37.8

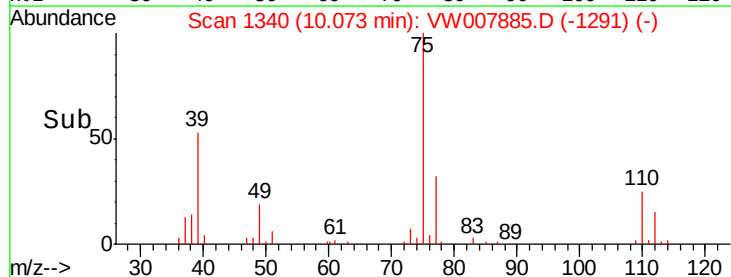
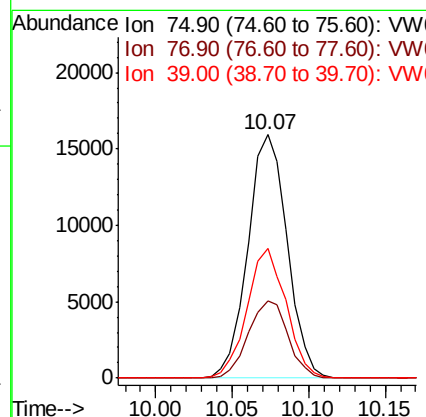
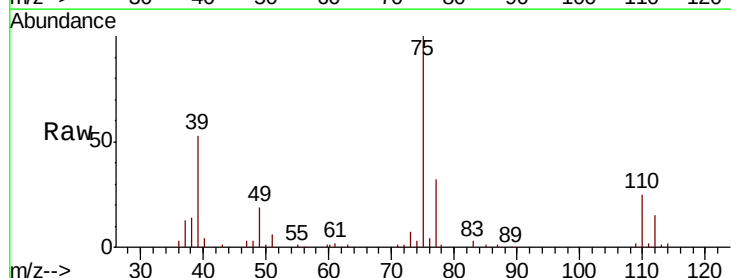
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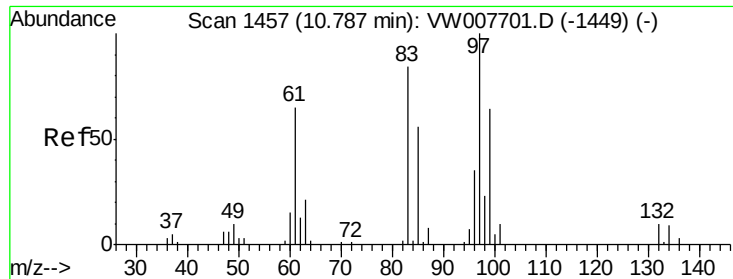
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#54
cis-1,3-Dichloropropene
Concen: 22.257 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion: 75 Resp: 28535
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
39 53.2 41.2 61.8





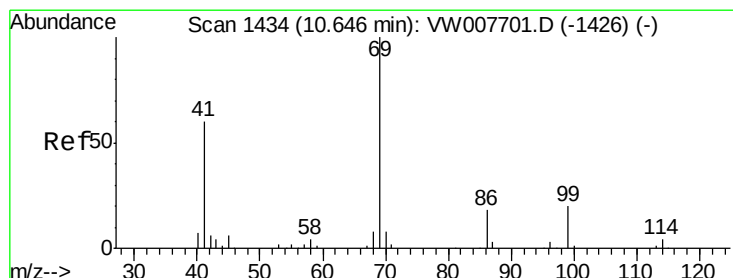
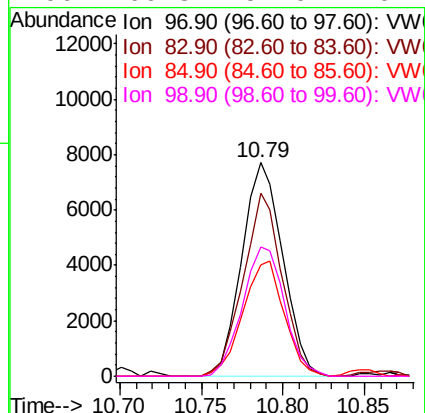
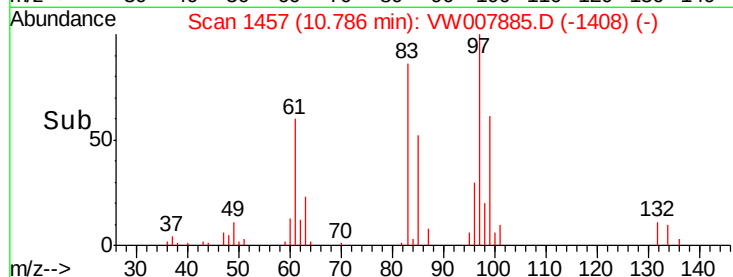
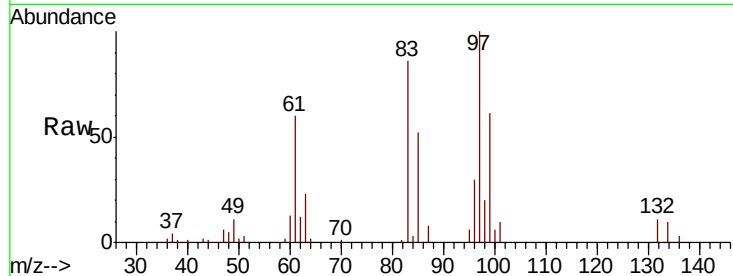
#55
 1,1,2-Trichloroethane
 Concen: 22.009 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Tot Ion:	97	Resp:	13468
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.5	101.3
85	51.9	44.8	67.2
99	60.8	51.0	76.4

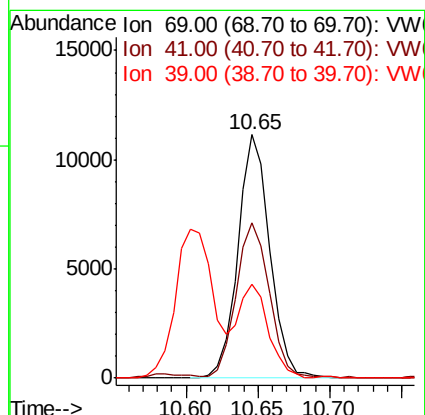
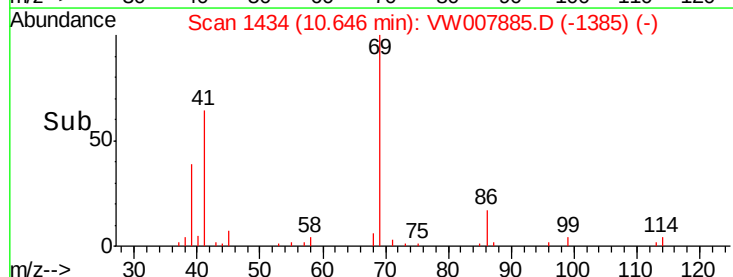
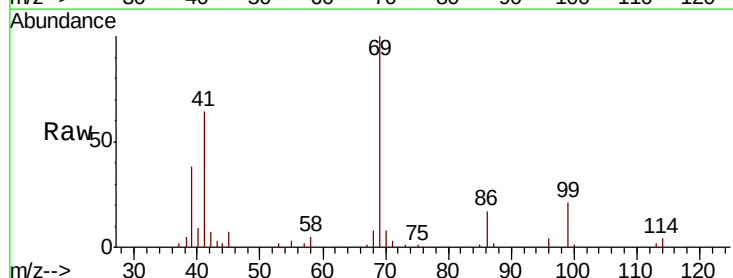
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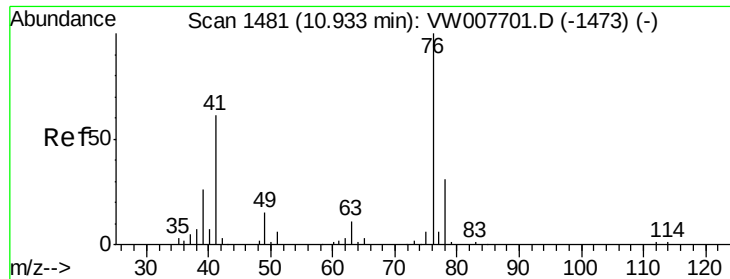
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 12/26/2018 4:38:50 PM



#56
 Ethyl methacrylate
 Concen: 23.636 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Tgt Ion:	69	Resp:	17089
Ion	Ratio	Lower	Upper
69	100		
41	67.3	48.9	73.3
39	37.2	31.3	46.9





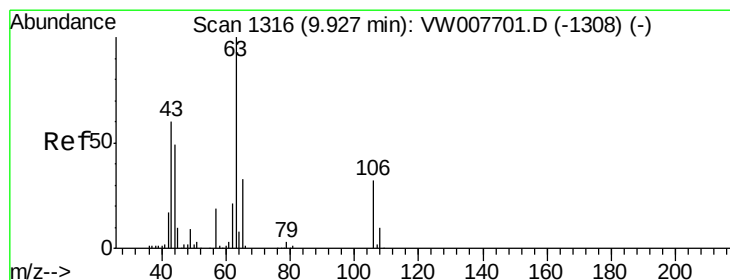
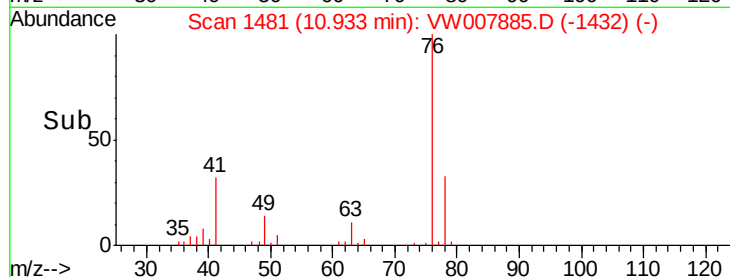
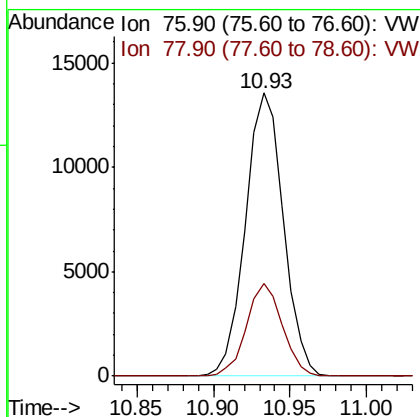
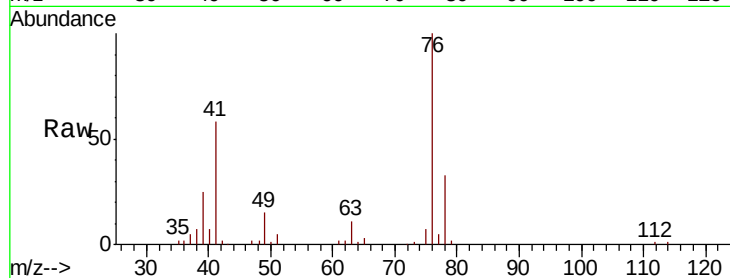
#57
 1,3-Dichloropropane
 Concen: 23.037 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Tot Ion: 76 Resp: 23409
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.2 39.2

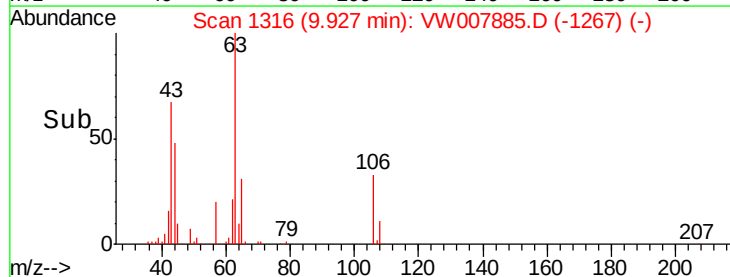
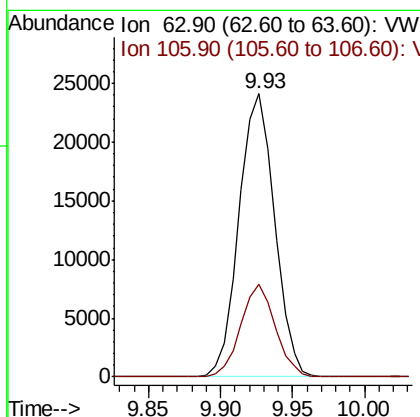
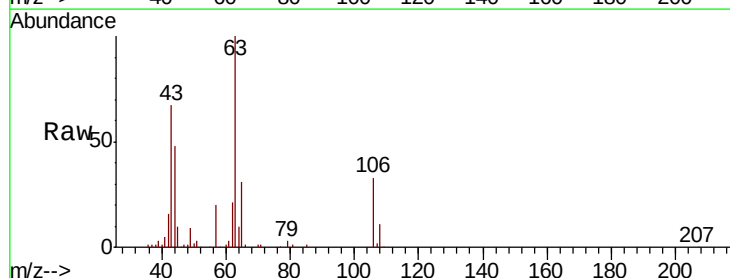
Manual Integrations
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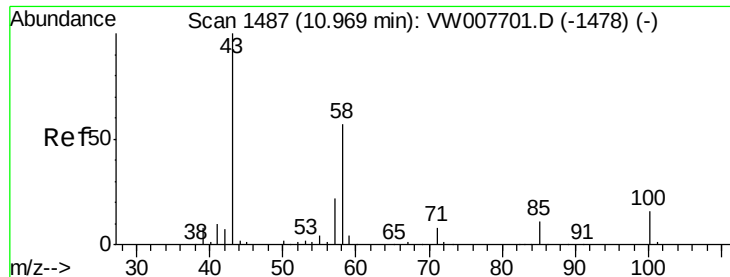
MMDadoda
 12/26/2018 4:38:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 125.500 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Tgt Ion: 63 Resp: 41428
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.9 38.9





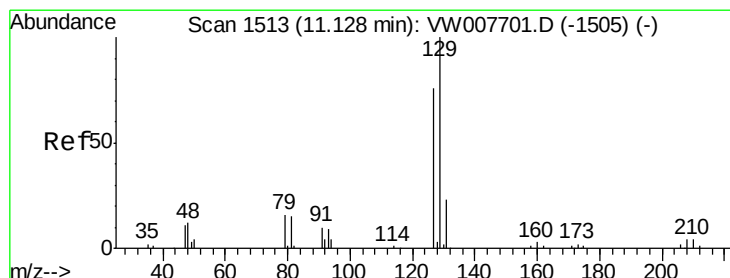
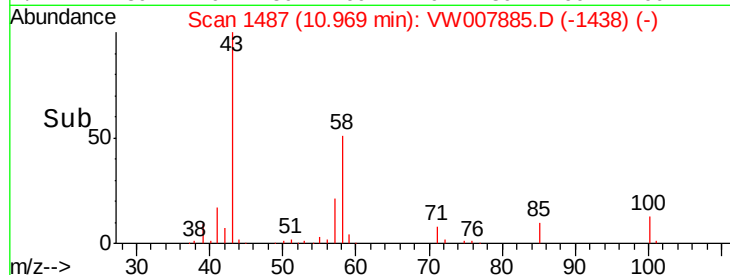
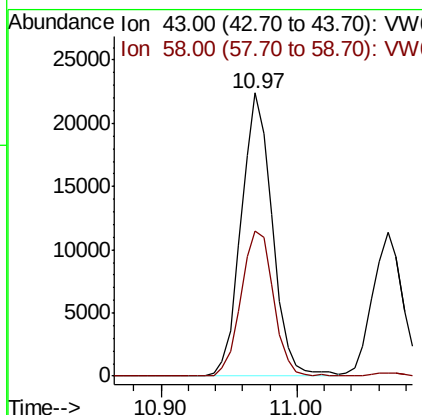
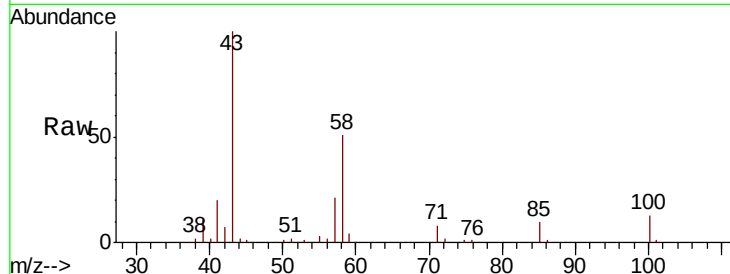
#59
2-Hexanone
Concen: 128.081 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion: 43 Resp: 35845
Ion Ratio Lower Upper
43 100
58 53.3 27.7 83.1

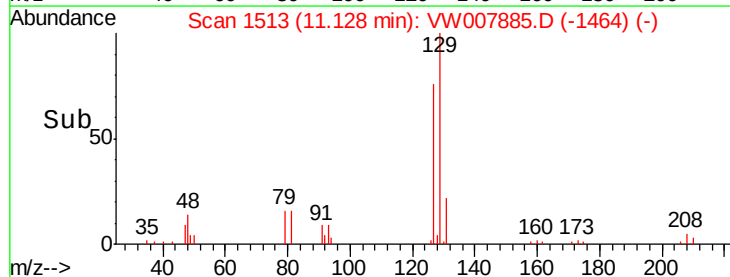
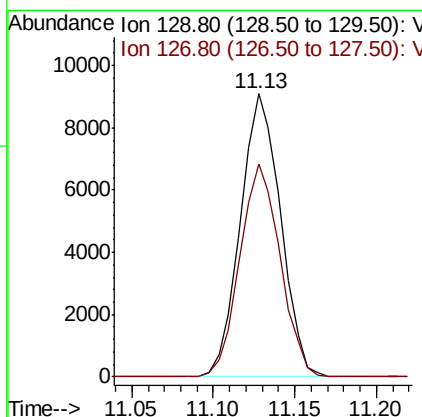
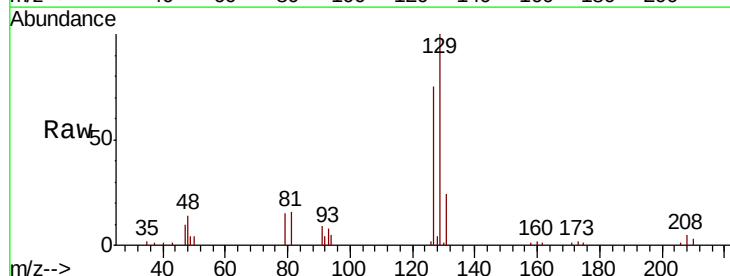
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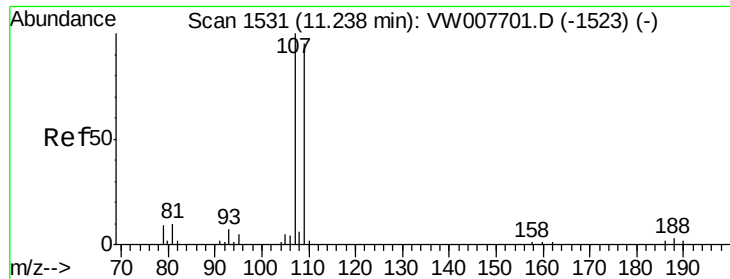
MMDadoda
12/26/2018 4:38:50 PM



#60
Dibromochloromethane
Concen: 19.279 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion: 129 Resp: 15621
Ion Ratio Lower Upper
129 100
127 75.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.836 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion:107 Resp: 12912

Ion Ratio Lower Upper

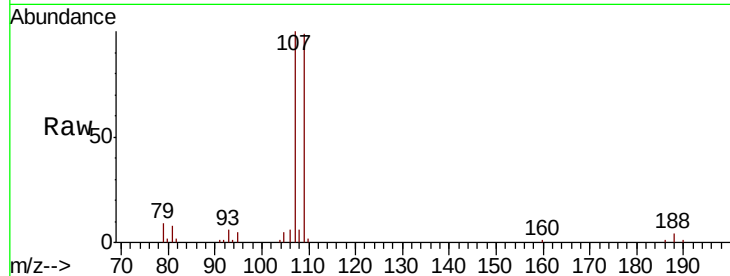
107 100

109 97.6 75.4 113.0

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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

6000

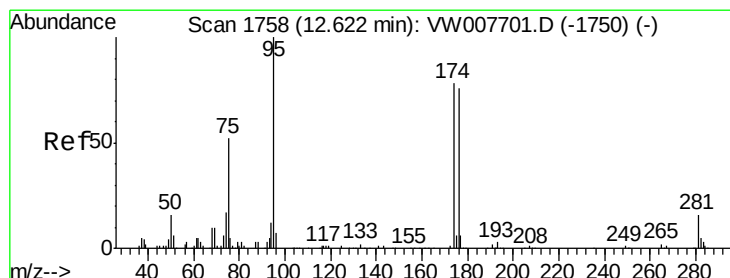
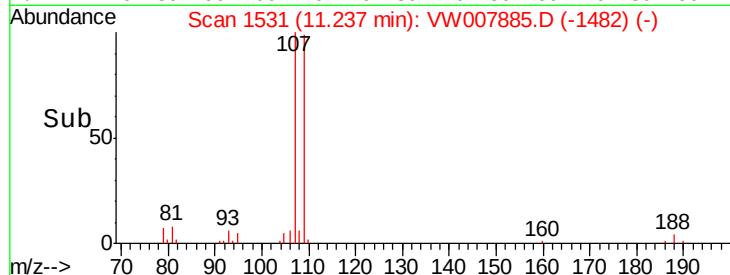
4000

2000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 52.568 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

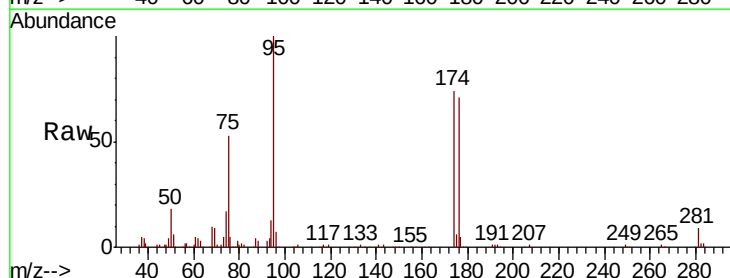
Tgt Ion: 95 Resp: 58931

Ion Ratio Lower Upper

95 100

174 73.6 0.0 152.2

176 71.2 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

30000

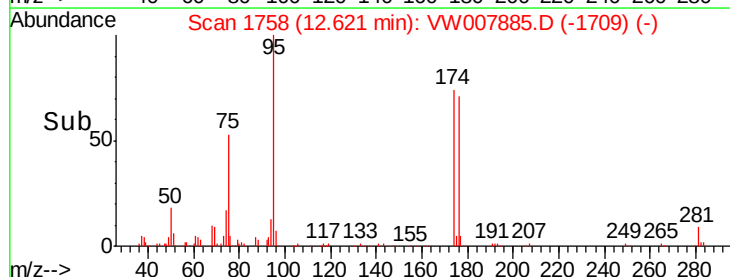
20000

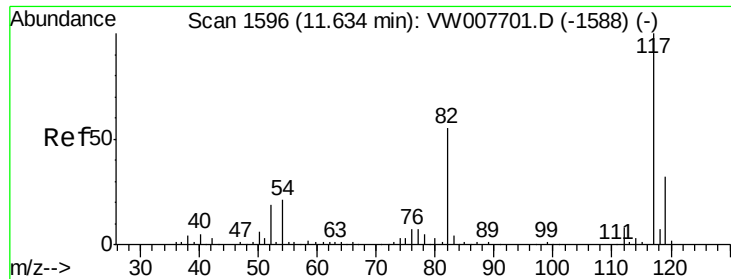
10000

0

Time-->

12.55 12.60 12.65 12.70





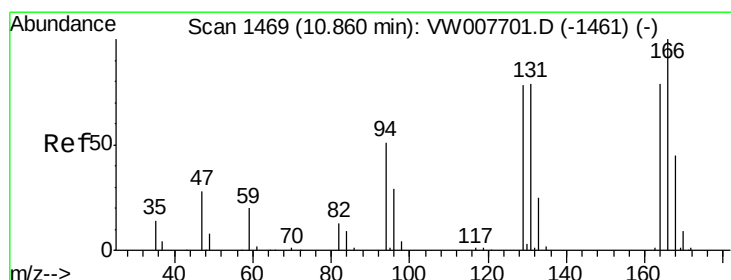
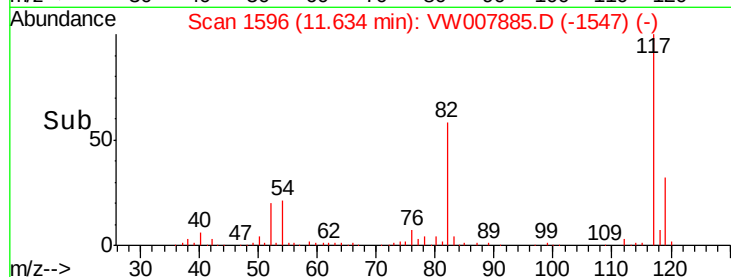
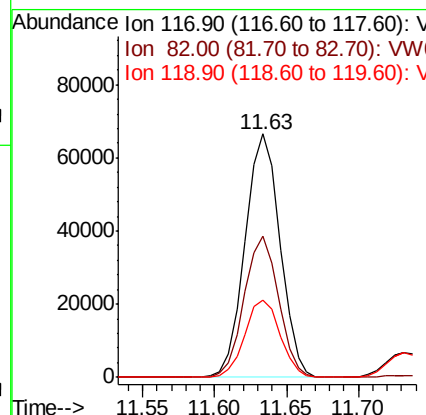
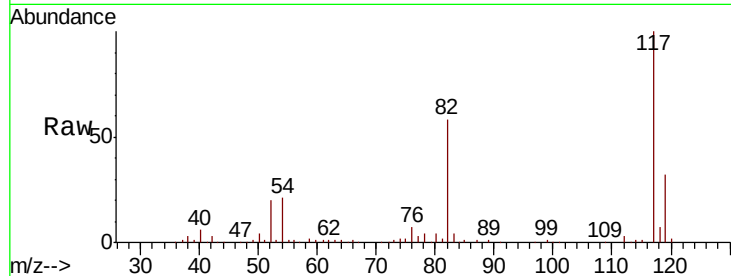
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.3	66.5
119	31.6	25.7	38.5

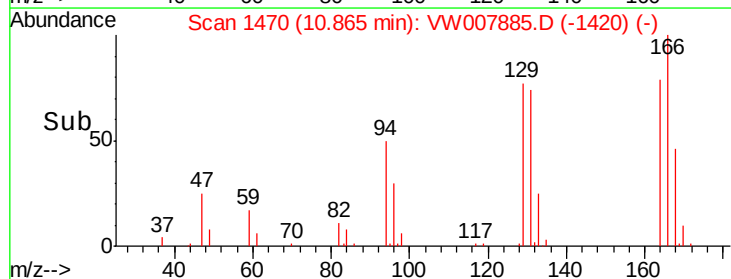
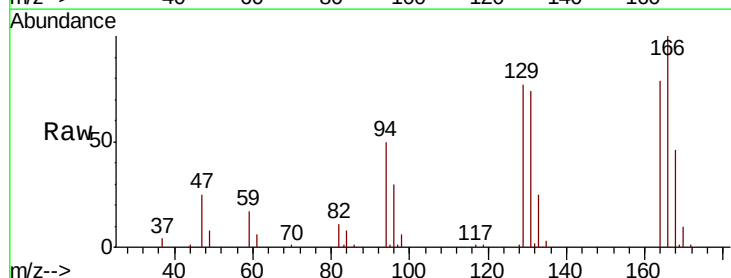
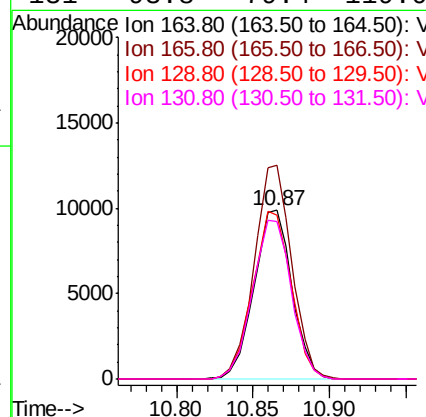
Manual Integrations
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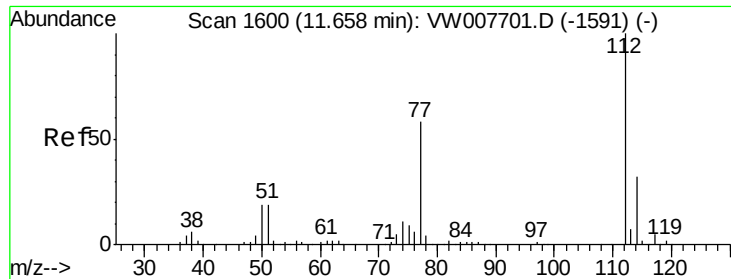
MMDadoda
12/26/2018 4:38:50 PM



#64
Tetrachloroethene
Concen: 21.535 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.0	151.6
129	97.6	78.7	118.1
131	93.8	79.4	119.0





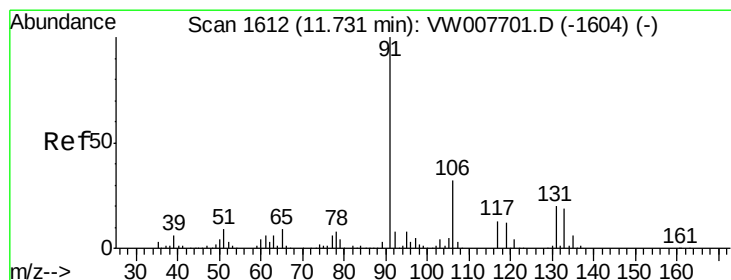
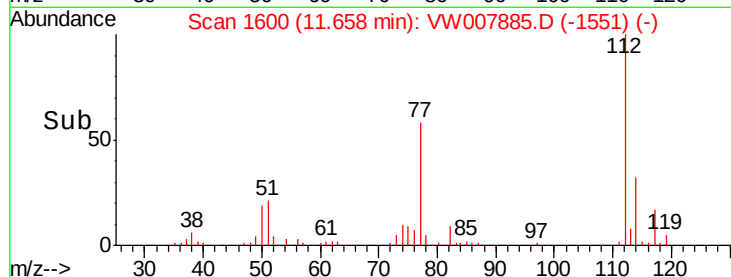
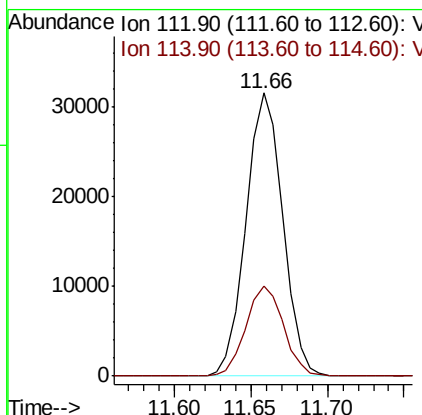
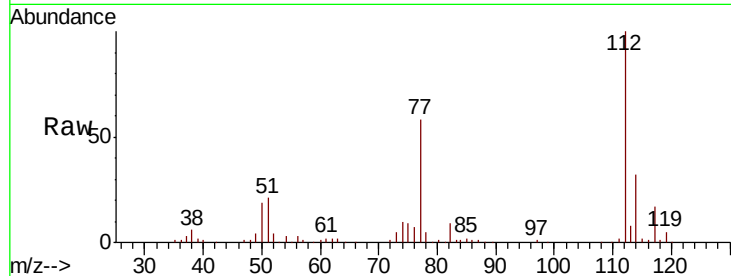
#65
Chlorobenzene
Concen: 21.827 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion:112 Resp: 52811
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

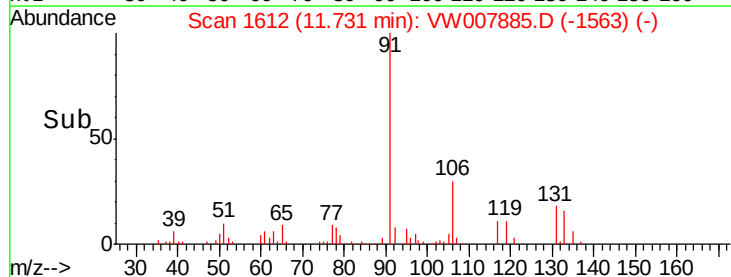
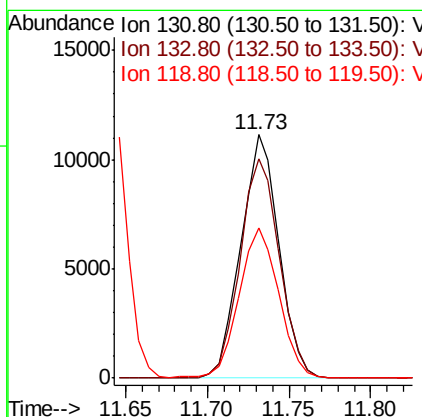
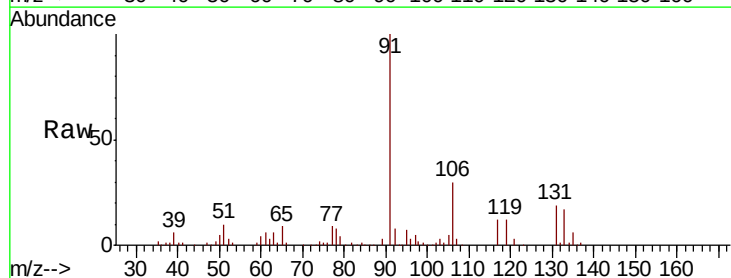
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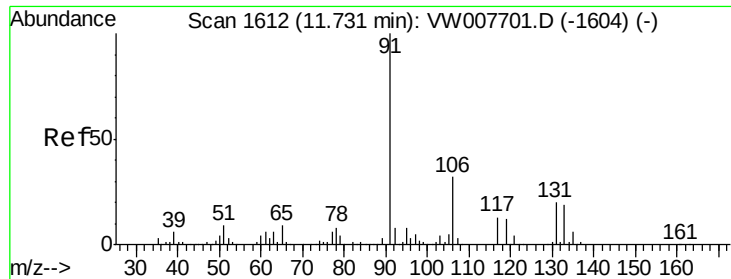
MMDadoda
12/26/2018 4:38:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.960 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion:131 Resp: 18121
Ion Ratio Lower Upper
131 100
133 93.0 47.5 142.5
119 64.2 30.2 90.6





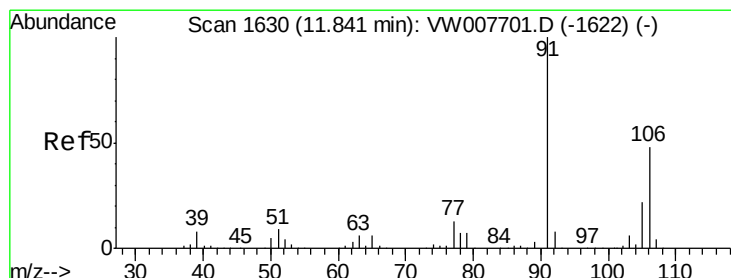
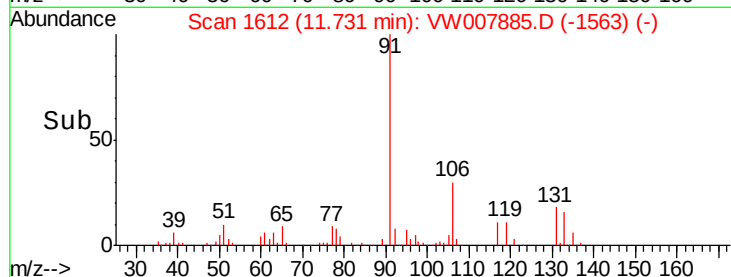
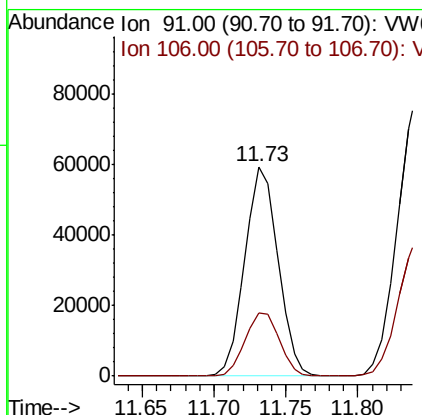
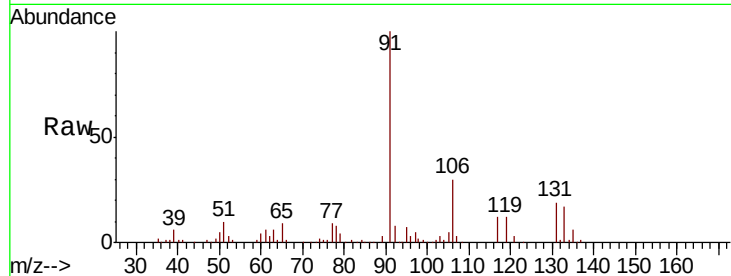
#67
Ethyl Benzene
Concen: 22.904 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBSD02

Tot Ion: 91 Resp: 95097
Ion Ratio Lower Upper
91 100
106 29.9 25.8 38.8

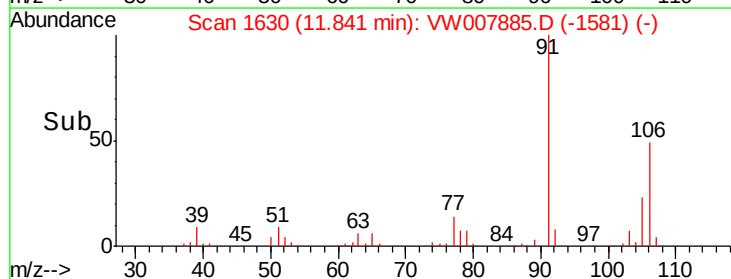
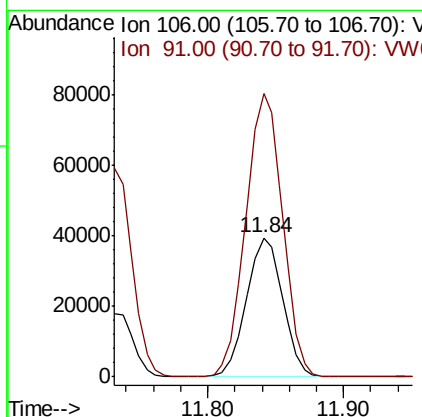
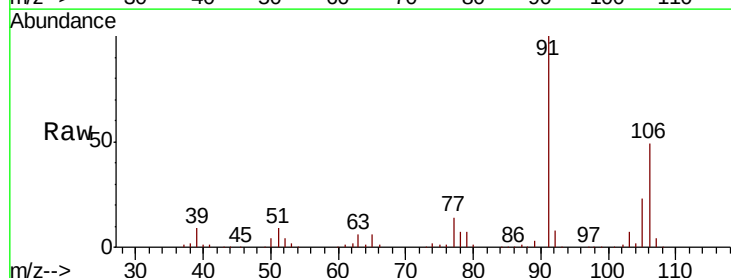
Manual Integrations
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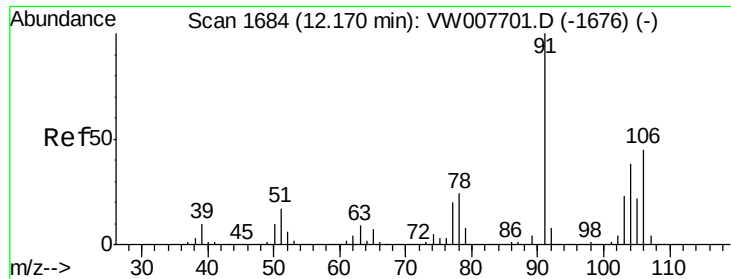
MMDadoda
12/26/2018 4:38:50 PM



#68
m/p-Xylenes
Concen: 45.781 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion:106 Resp: 73735
Ion Ratio Lower Upper
106 100
91 207.3 165.2 247.8





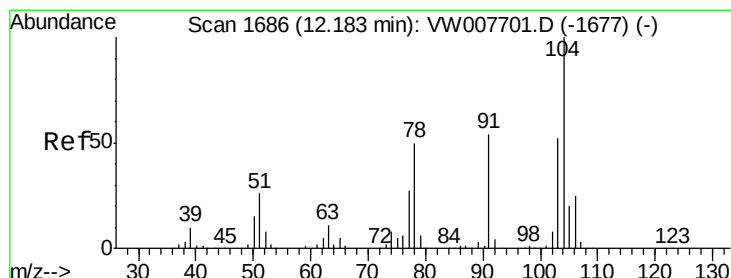
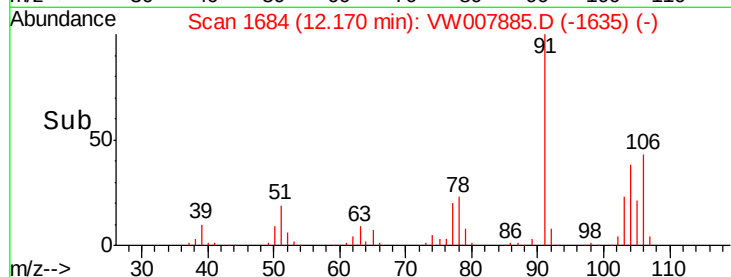
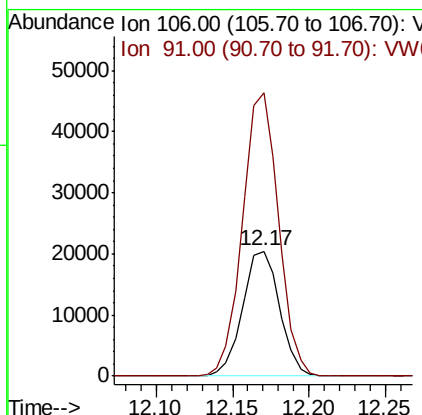
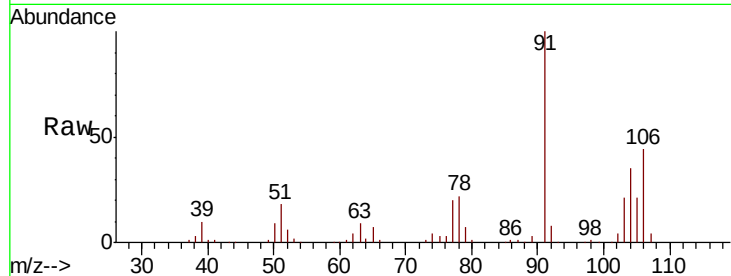
#69
o-Xylene
Concen: 22.786 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion:106 Resp: 34401
Ion Ratio Lower Upper
106 100
91 220.4 110.5 331.4

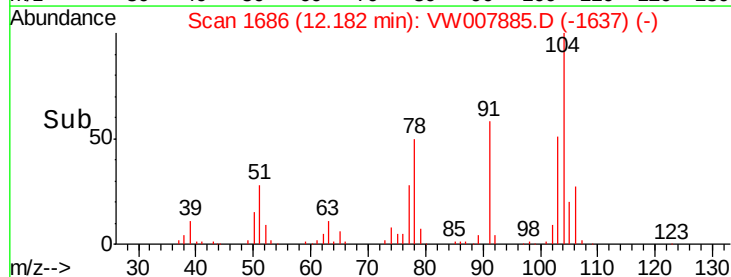
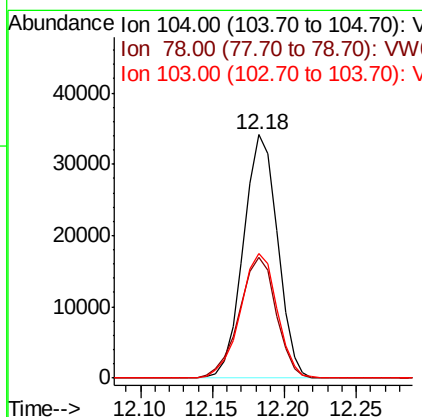
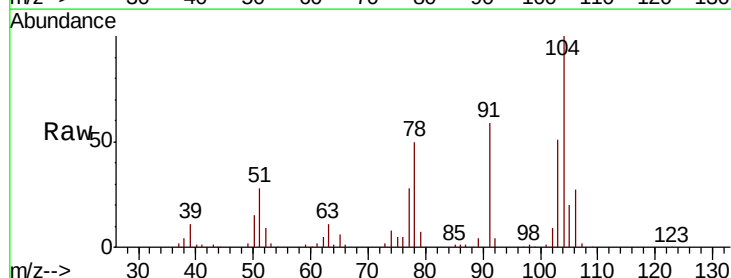
Manual Integrations
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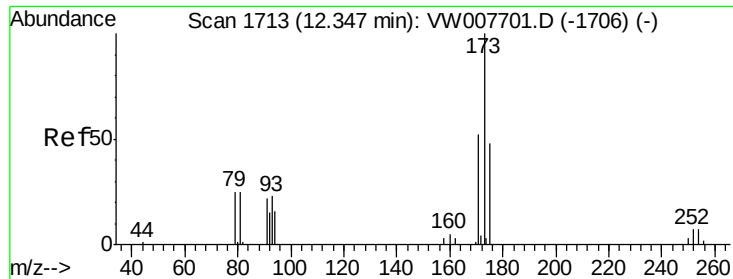
MMDadoda
12/26/2018 4:38:50 PM



#70
Styrene
Concen: 22.594 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion:104 Resp: 56072
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 55.1 44.5 66.7





#71

Bromoform

Concen: 18.133 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion:173 Resp: 8138

Ion Ratio Lower Upper

173 100

175 50.4 23.9 71.7

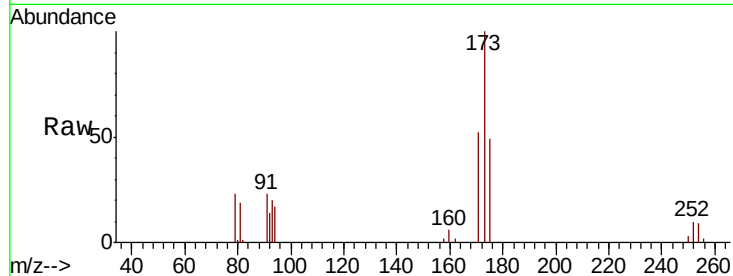
254 0.0 0.0 0.0

Manual Integrations

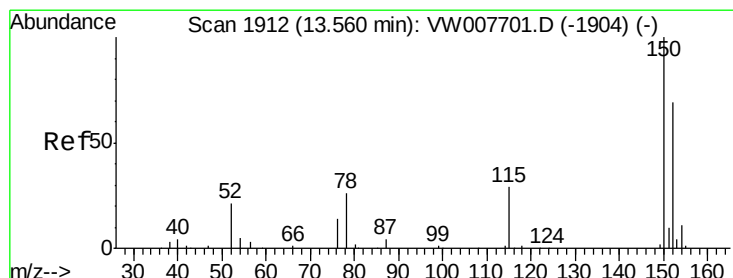
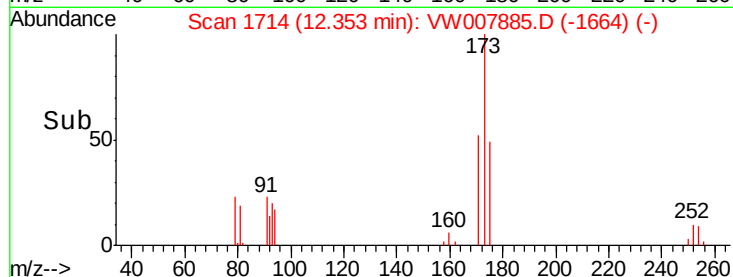
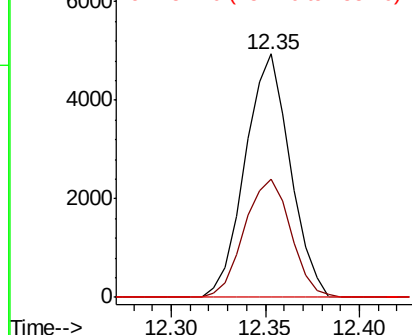
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

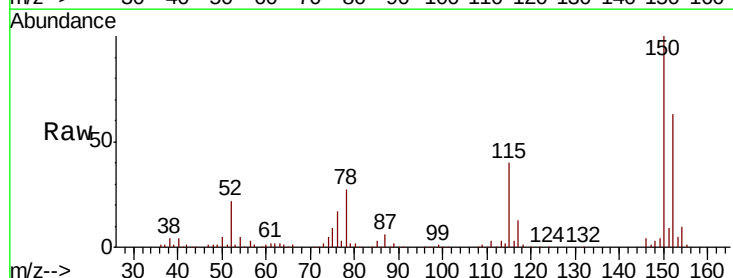
Tgt Ion:152 Resp: 57405

Ion Ratio Lower Upper

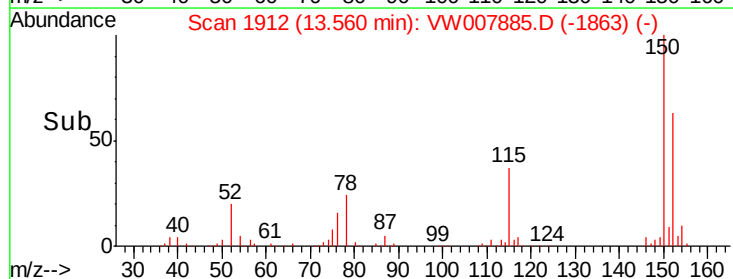
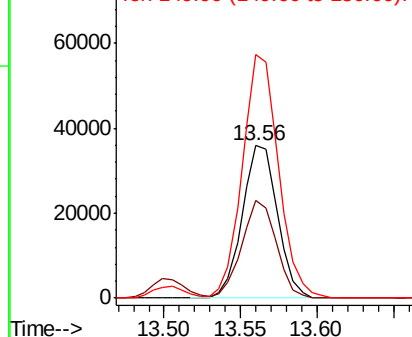
152 100

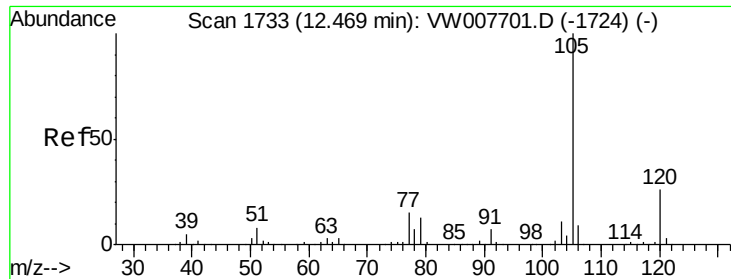
115 62.6 31.8 95.4

150 164.3 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





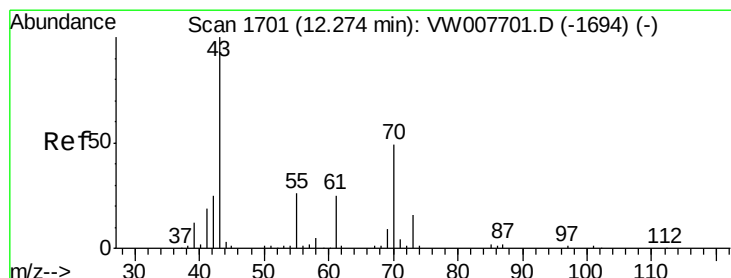
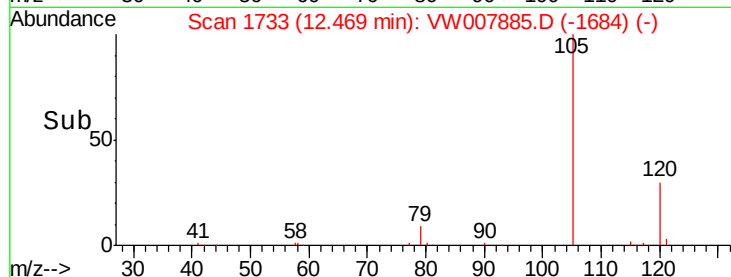
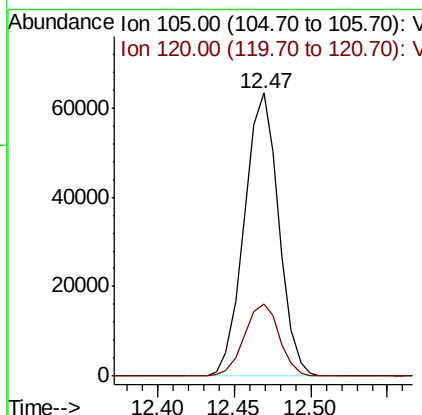
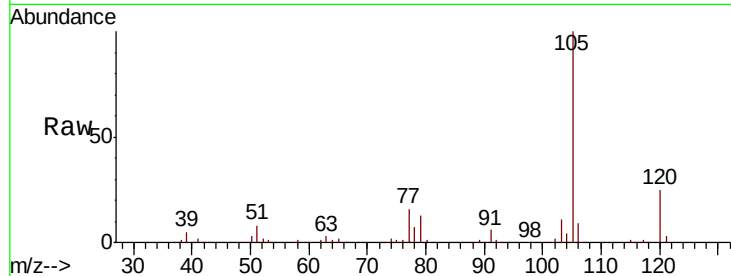
#73
Isopropylbenzene
Concen: 22.766 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion:105 Resp: 98786
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.3

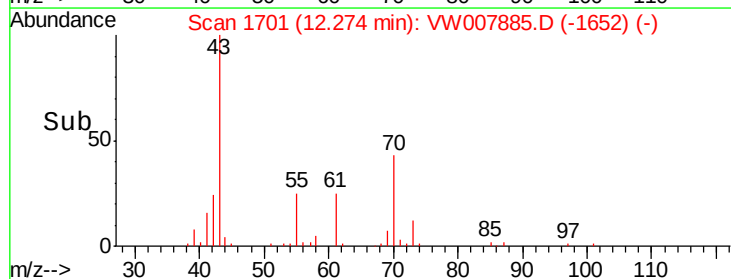
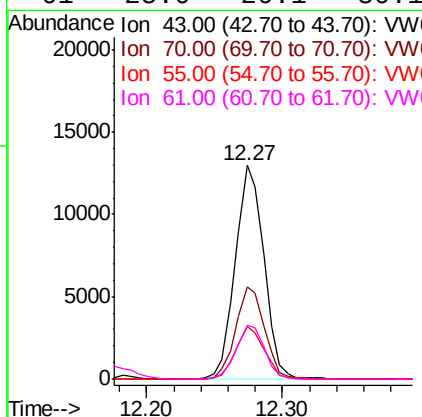
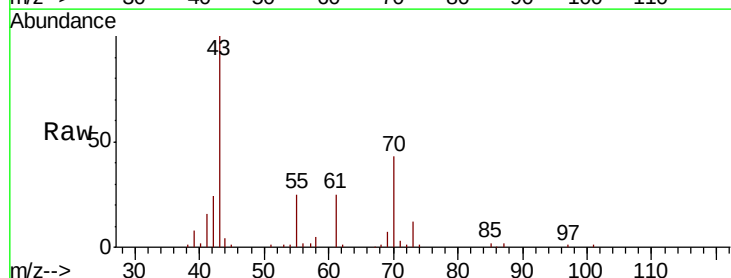
Manual Integrations
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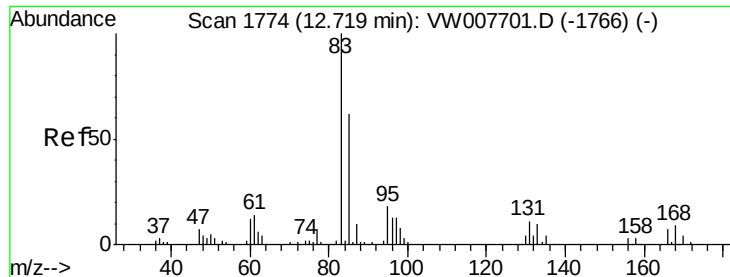
MMDadoda
12/26/2018 4:38:50 PM



#74
N-ethyl acetate
Concen: 25.284 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion: 43 Resp: 19004
Ion Ratio Lower Upper
43 100
70 43.3 37.6 56.4
55 24.6 21.7 32.5
61 25.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.352 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

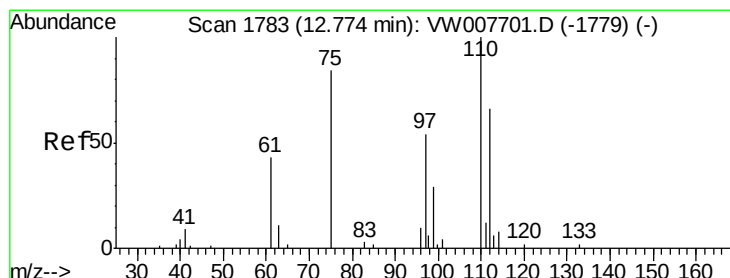
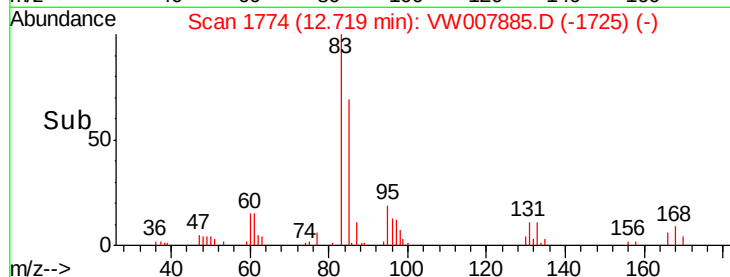
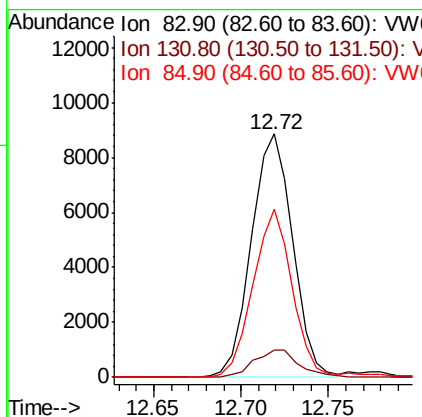
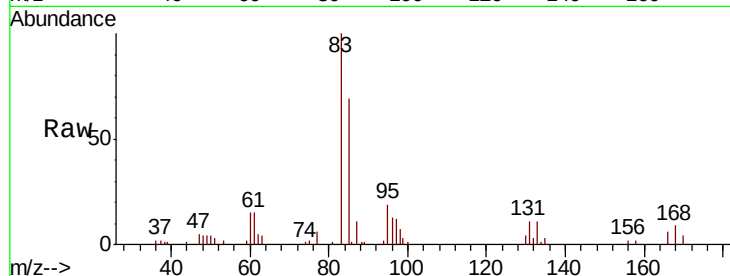
ClientSampleId :

VW1225SBS02

Tot Ion:	83	Resp:	14542
Ion Ratio	Lower	Upper	
83	100		
131	12.4	6.3	18.8
85	67.0	32.3	96.8

Manual Integrations
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12/26/2018 4:38:50 PM



#76

1,2,3-Trichloropropane

Concen: 20.460 ug/l m

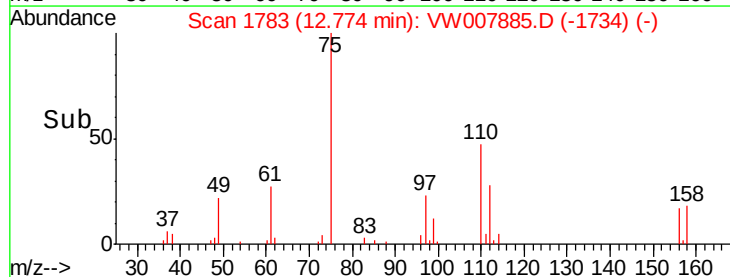
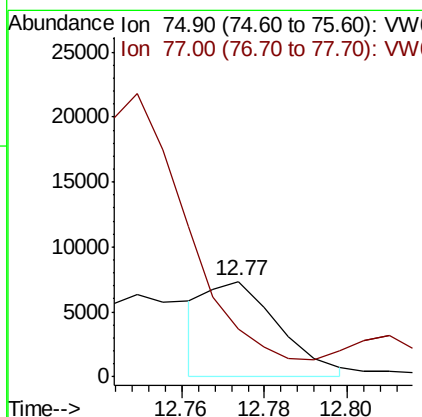
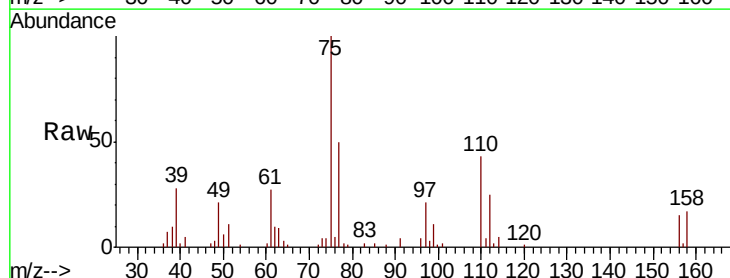
RT: 12.77 min Scan# 1783

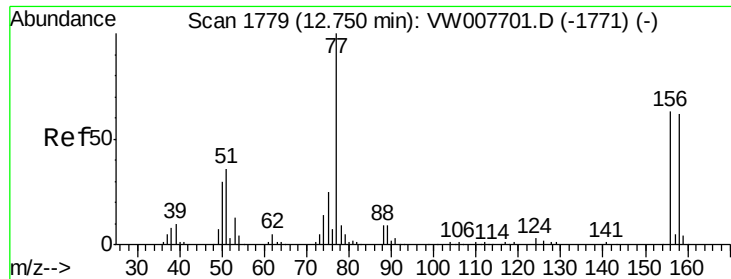
Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Tgt Ion:	75	Resp:	9078
Ion Ratio	Lower	Upper	
75	100		
77	435.7	0.0	0.0#





#77

Bromobenzene

Concen: 21.058 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

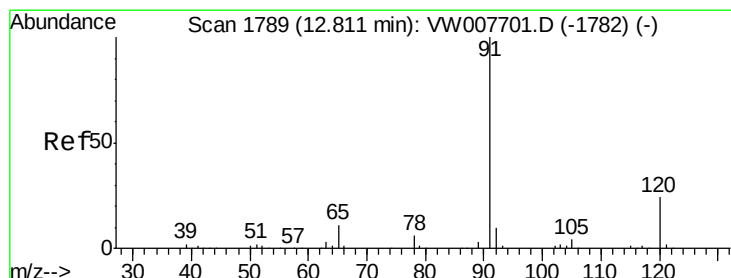
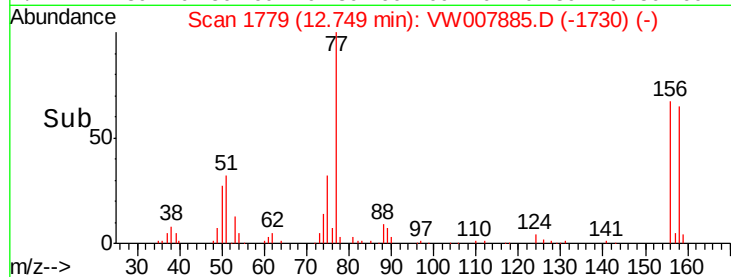
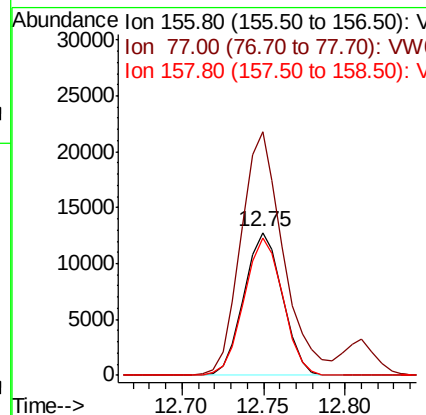
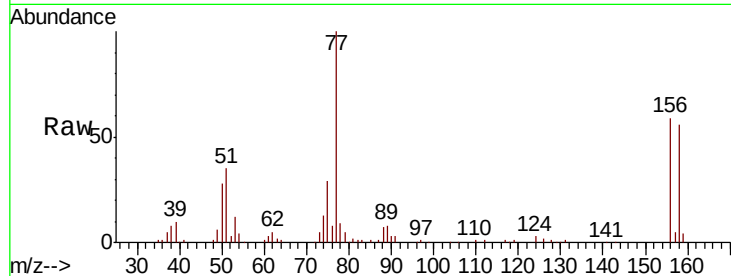
ClientSampleId :

VW1225SBS02

Tot Ion:	156	Resp:	20941
Ion Ratio	Lower	Upper	
156	100		
77	188.9	87.4	262.1
158	96.9	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 22.692 ug/l

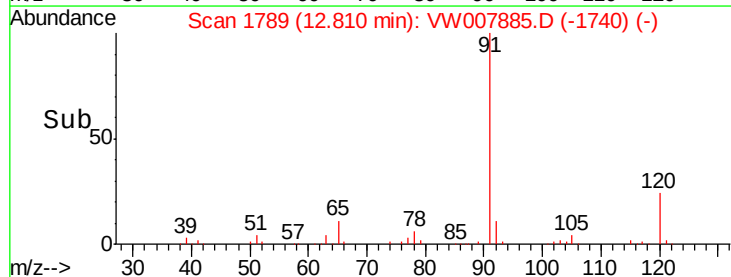
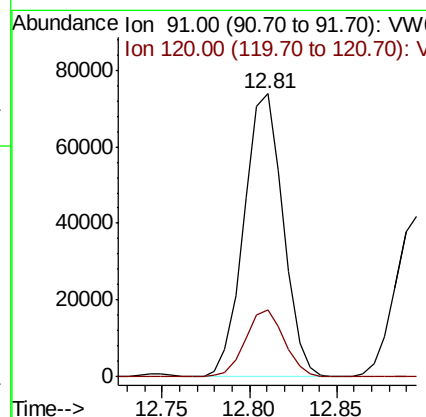
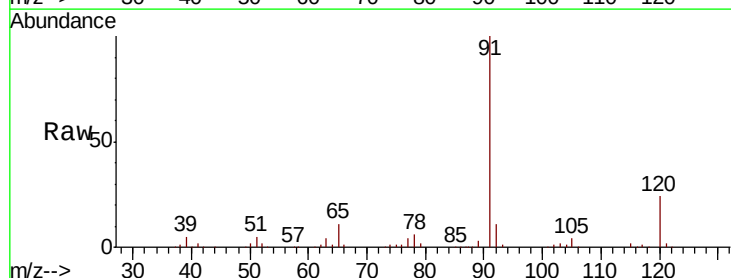
RT: 12.81 min Scan# 1789

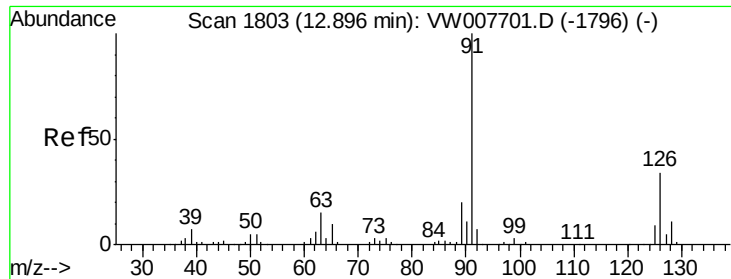
Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Tgt Ion:	91	Resp:	114618
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.7





#79

2-Chlorotoluene

Concen: 22.840 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007885.D

Acq: 24 Dec 2018 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS02

Tot Ion: 91 Resp: 67206

Ion Ratio Lower Upper

91 100

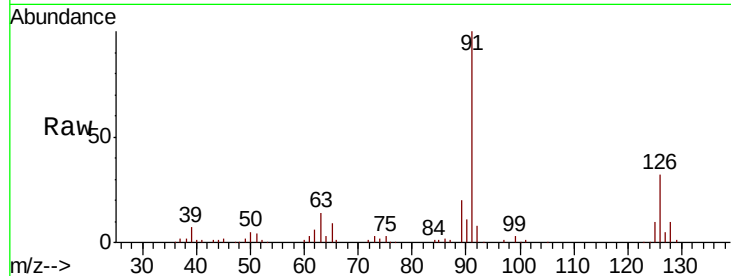
126 32.3 17.0 51.0

Manual Integrations

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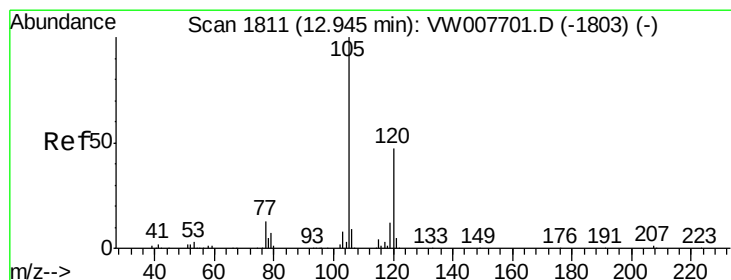
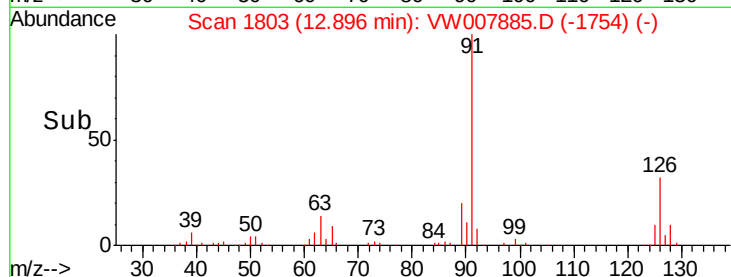
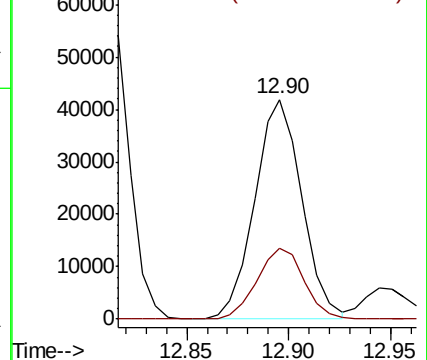
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.748 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007885.D

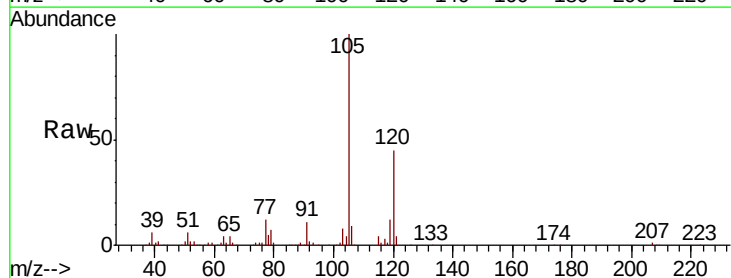
Acq: 24 Dec 2018 13:42

Tgt Ion:105 Resp: 85142

Ion Ratio Lower Upper

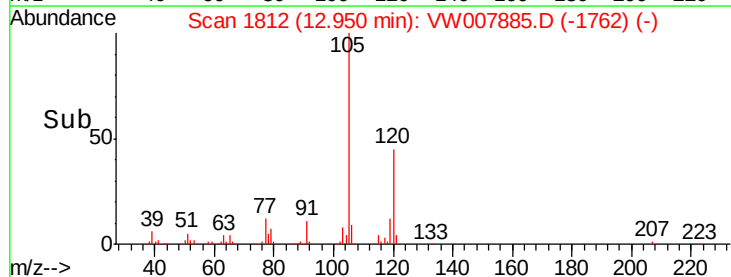
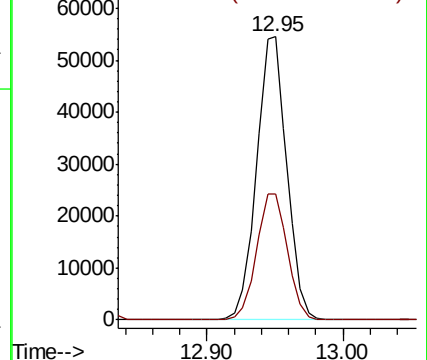
105 100

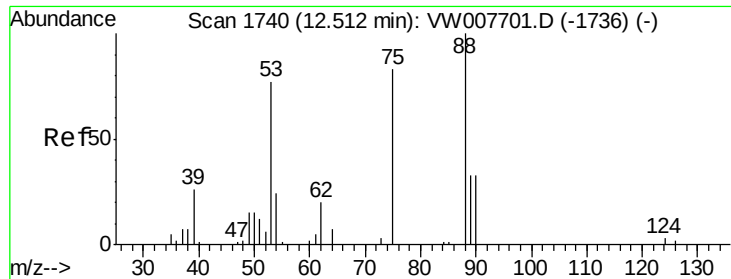
120 45.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





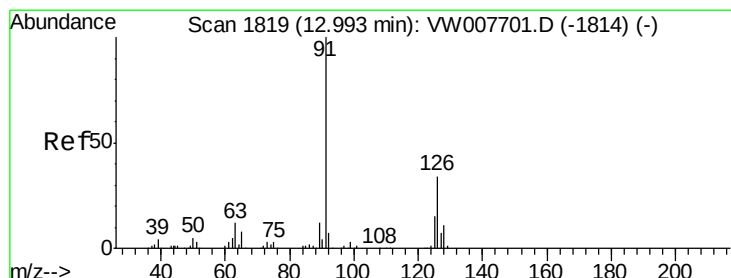
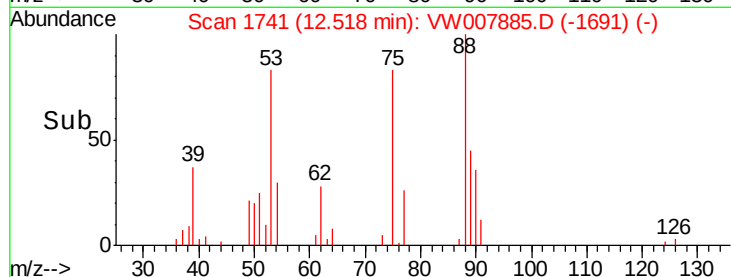
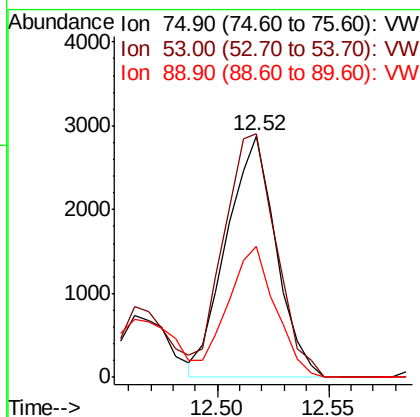
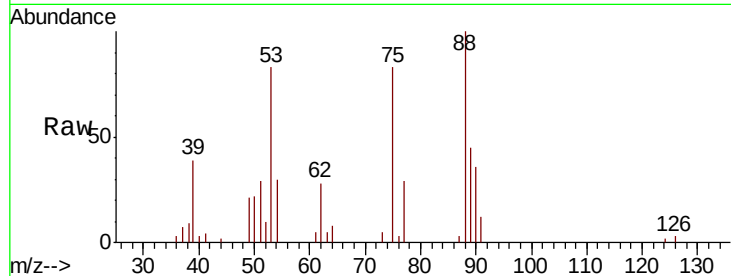
#81
trans-1,4-Dichloro-2-butene
Concen: 21.081 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.4	80.2	120.2
89	51.3	39.2	58.8

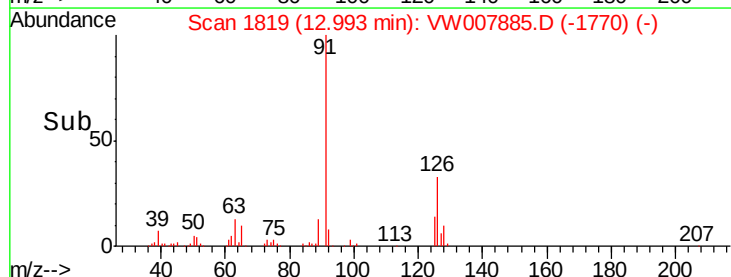
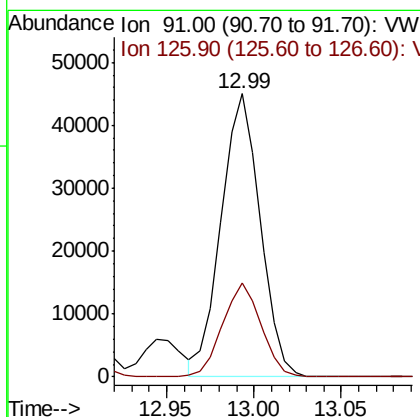
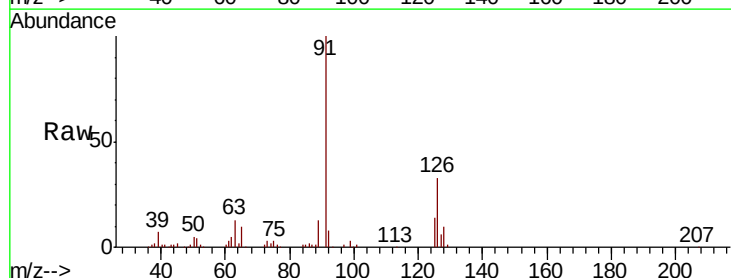
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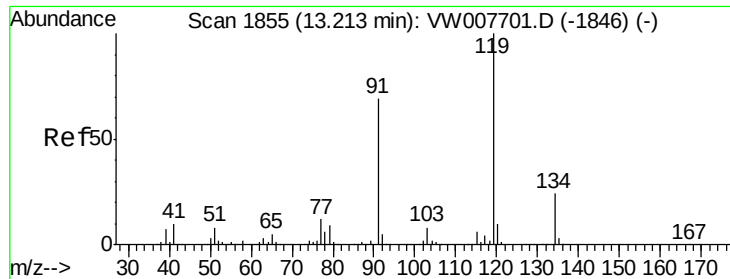
MMDadoda
12/26/2018 4:38:50 PM



#82
4-Chlorotoluene
Concen: 22.264 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.5	49.5





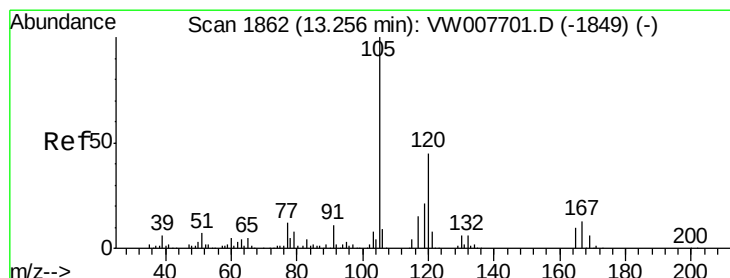
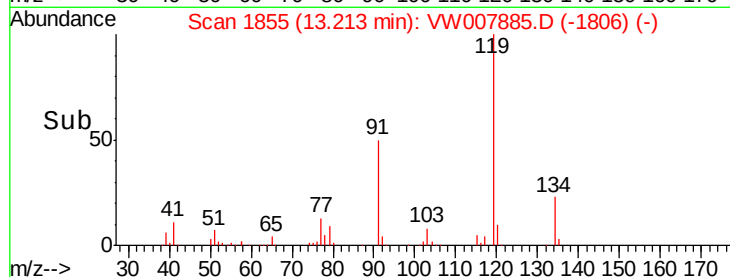
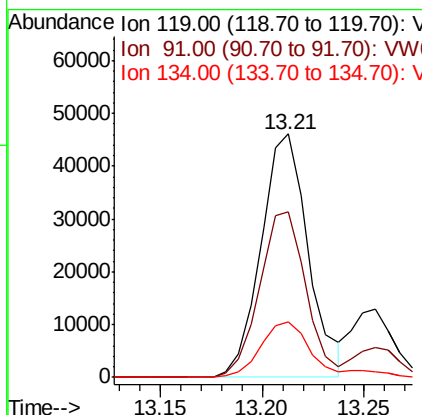
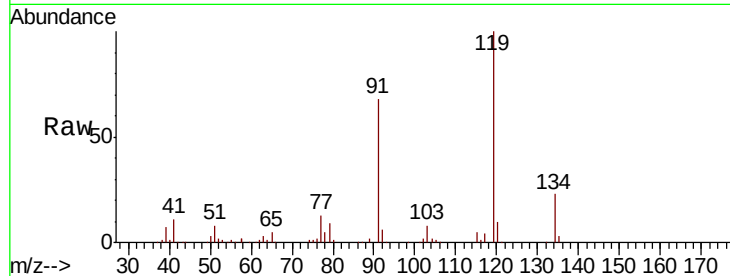
#83
tert-Butylbenzene
Concen: 22.687 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	34.2	102.5
134	25.5	12.8	38.4

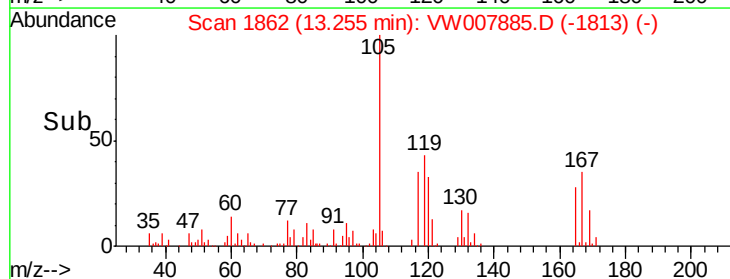
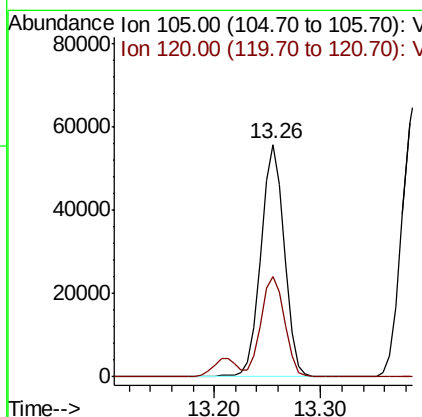
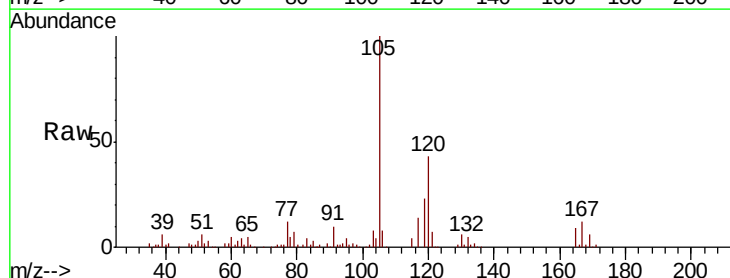
Manual Integrations
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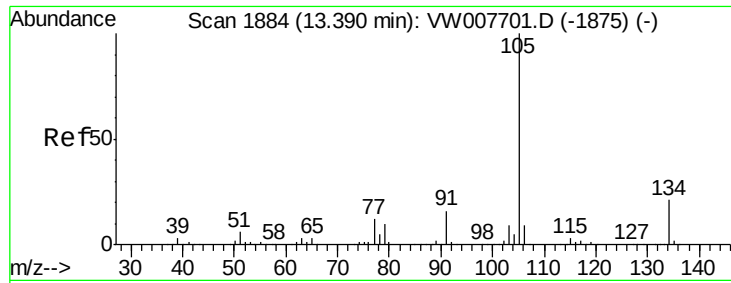
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#84
1,2,4-Trimethylbenzene
Concen: 22.812 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.0	66.0





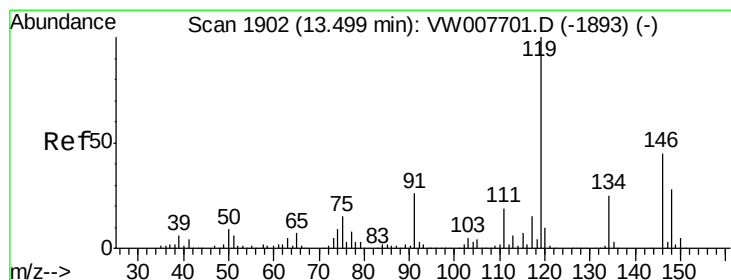
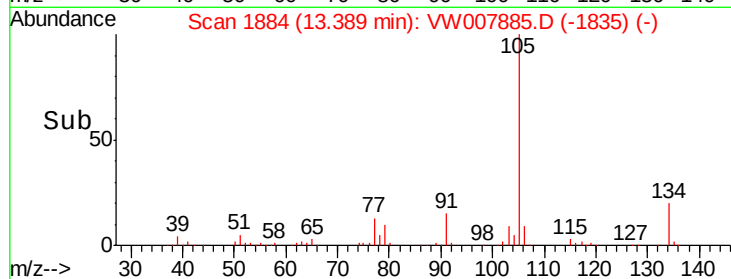
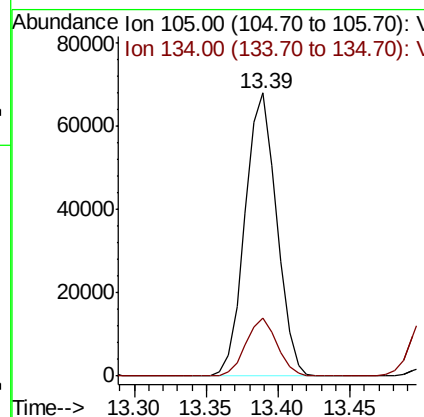
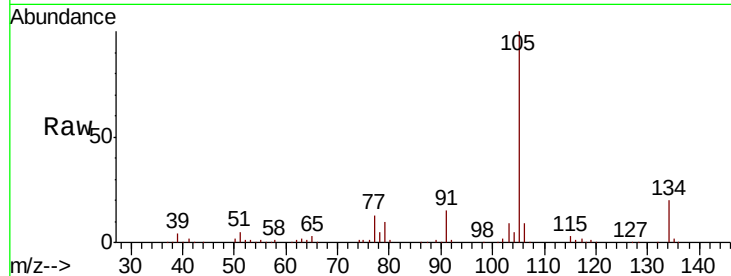
#85
 sec-Butylbenzene
 Concen: 22.843 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.2	30.4

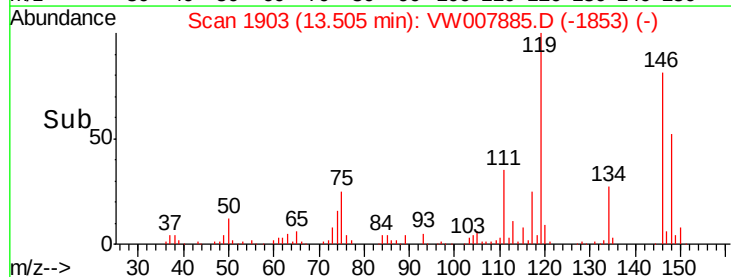
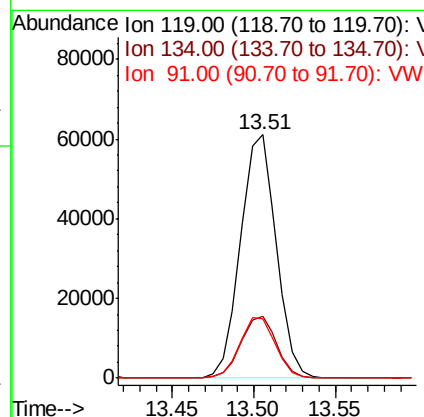
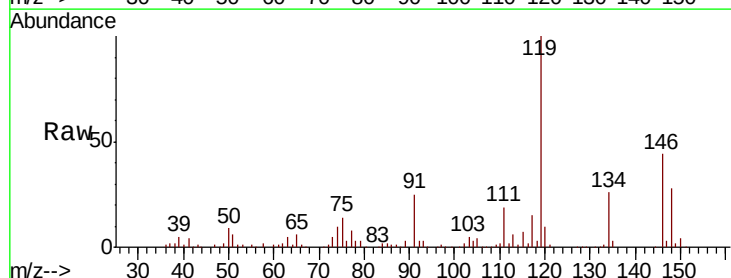
Manual Integrations
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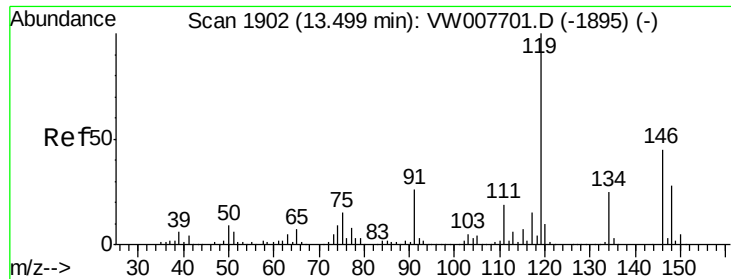
MMDadoda
 12/26/2018 4:38:50 PM



#86
 p-Isopropyltoluene
 Concen: 22.612 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	39.0
91	25.1	12.8	38.4





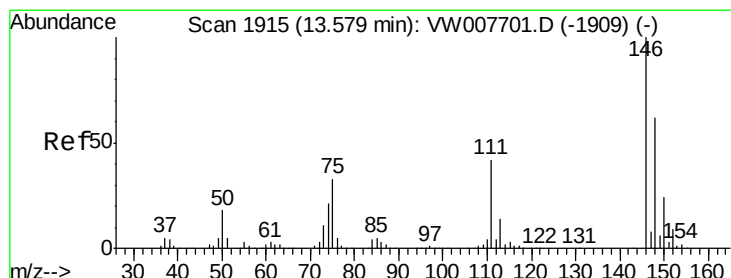
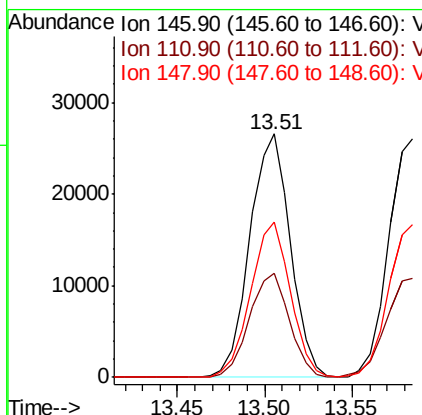
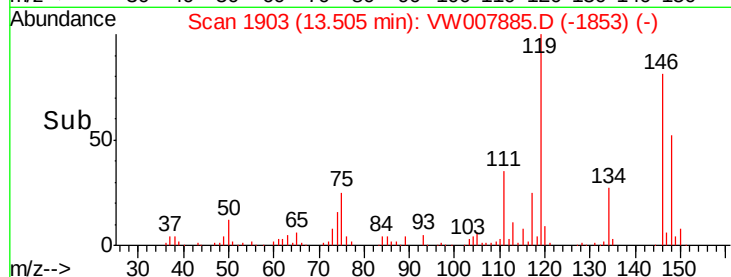
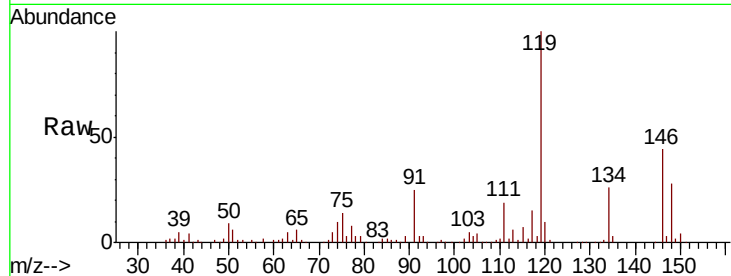
#87
 1,3-Dichlorobenzene
 Concen: 21.837 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	62.7	32.1	96.5

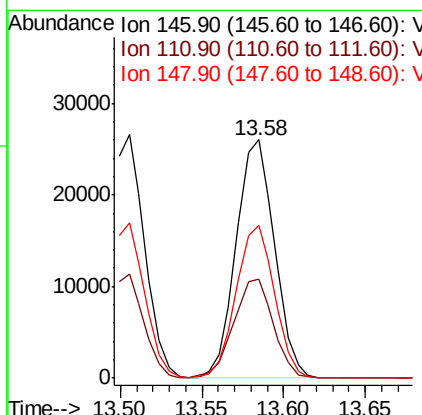
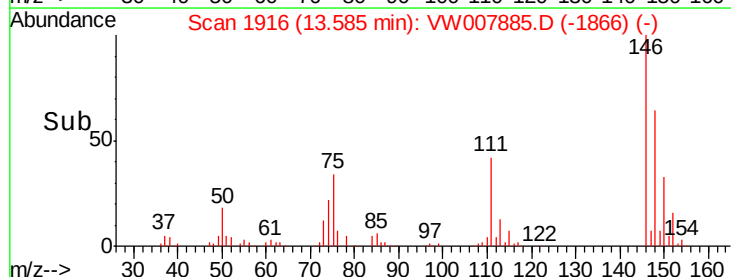
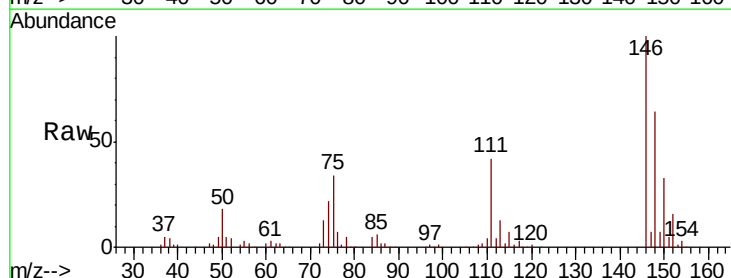
Manual Integrations
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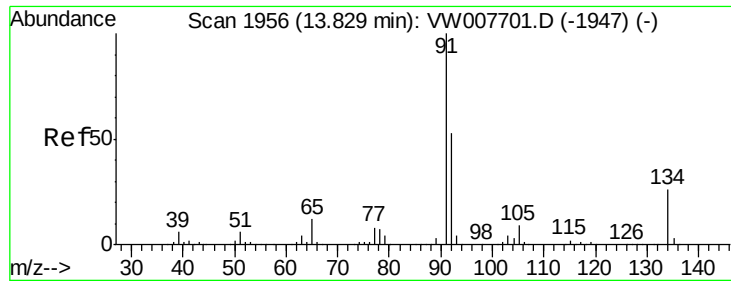
MMDadoda
 12/26/2018 4:38:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.637 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.0	63.0
148	64.1	31.8	95.4





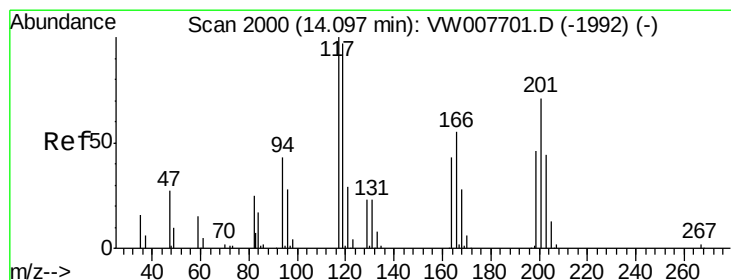
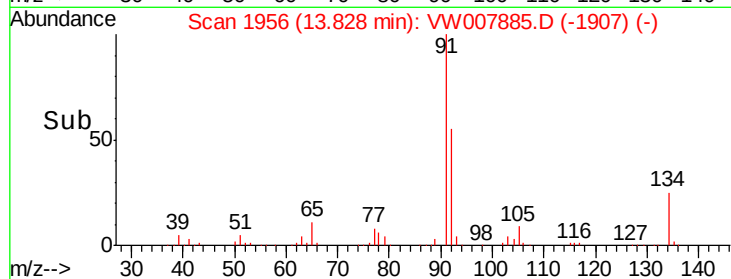
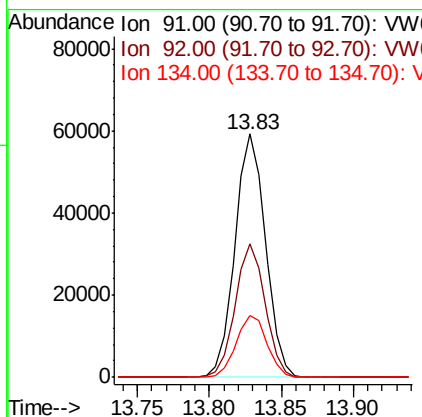
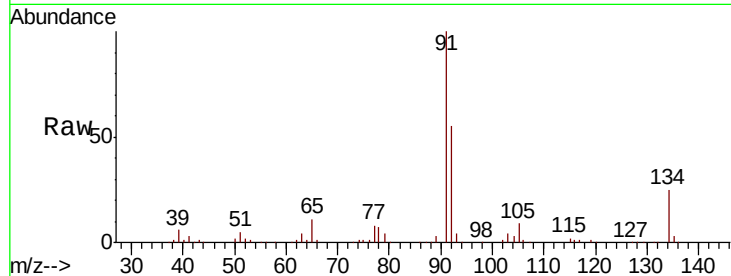
#89
n-Butylbenzene
Concen: 23.204 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.4	79.2
134	25.8	13.7	41.0

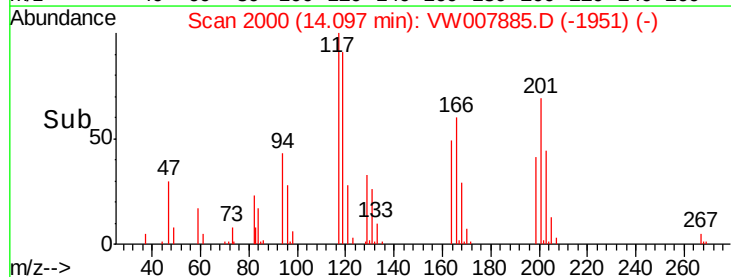
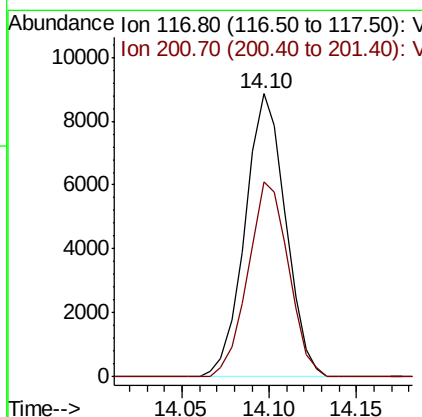
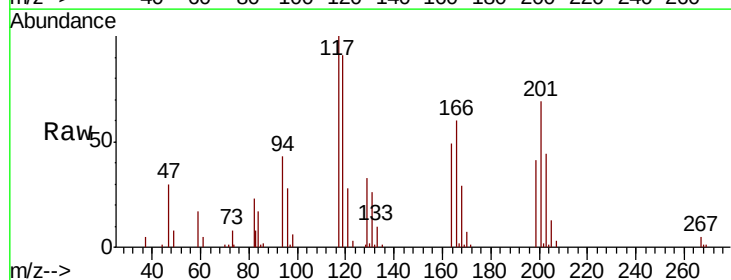
Manual Integrations
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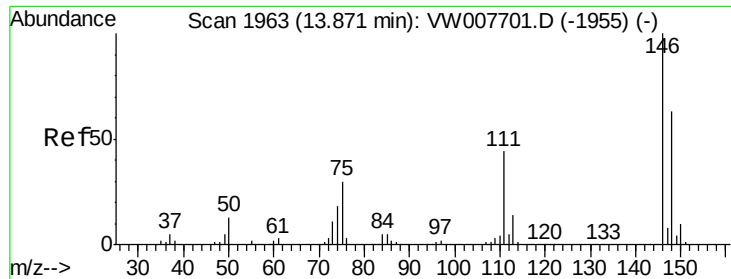
MMDadoda
12/26/2018 4:38:50 PM



#90
Hexachloroethane
Concen: 19.760 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	36.2	108.6





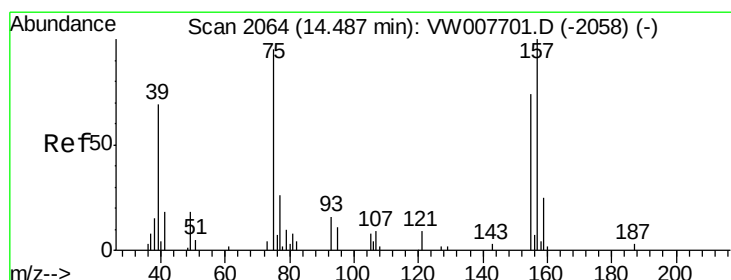
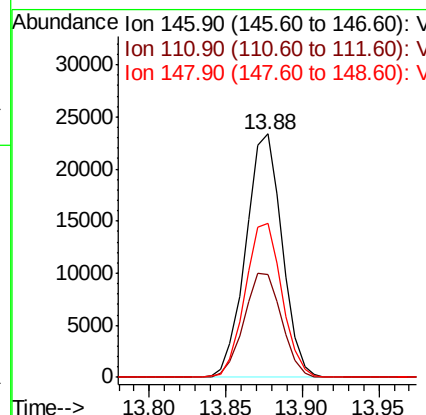
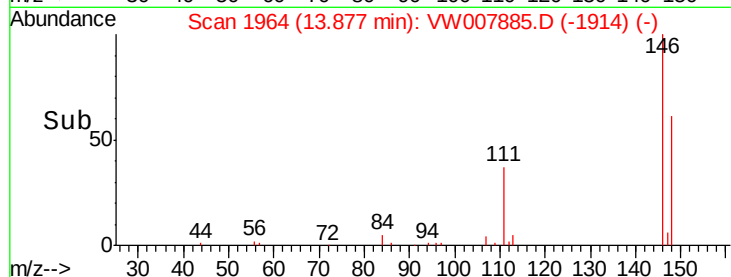
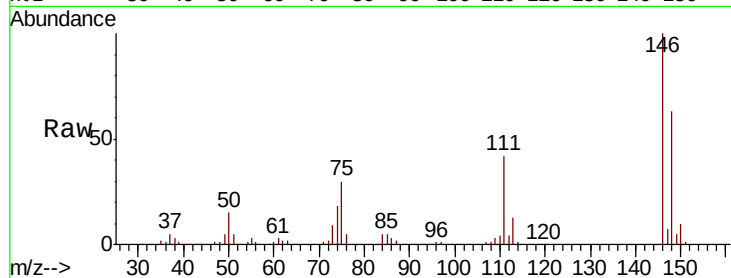
#91
 1,2-Dichlorobenzene
 Concen: 21.773 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.7	65.1
148	63.9	32.1	96.5

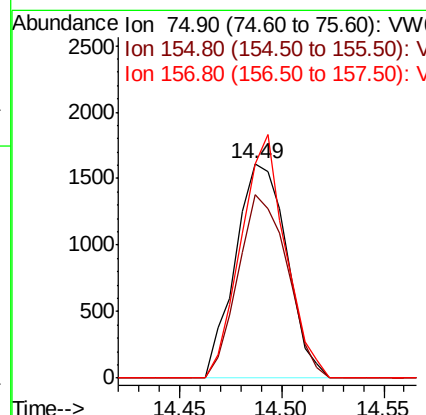
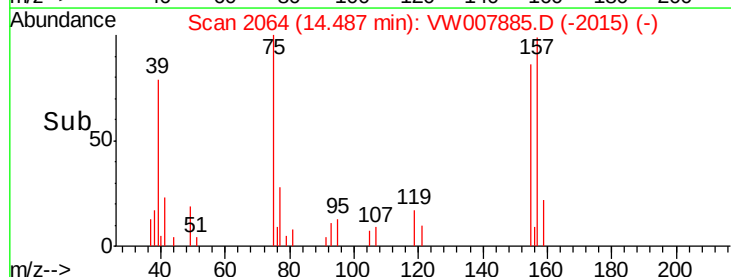
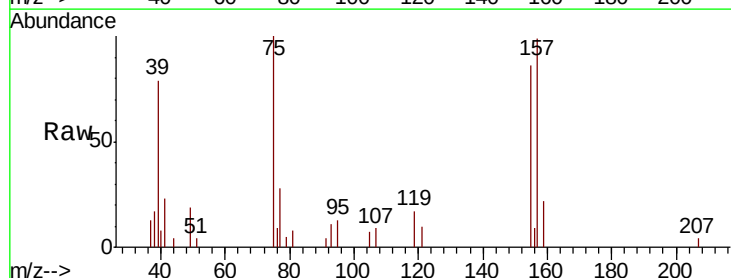
Manual Integrations
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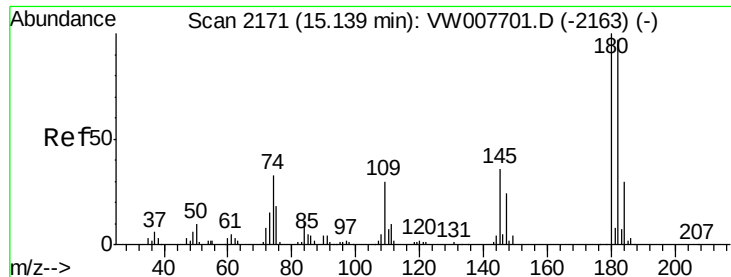
MMDadoda
 12/26/2018 4:38:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.159 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	39.4	118.1
157	98.0	52.0	156.0





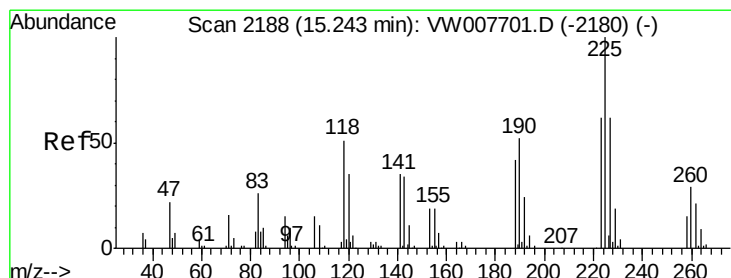
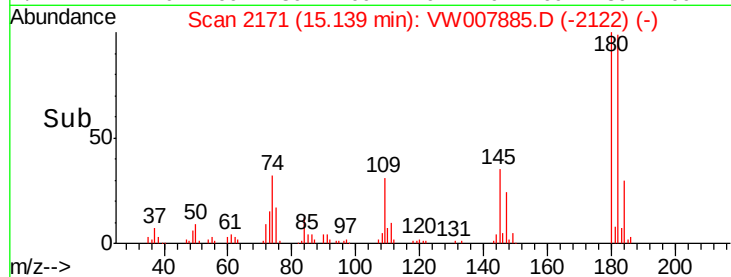
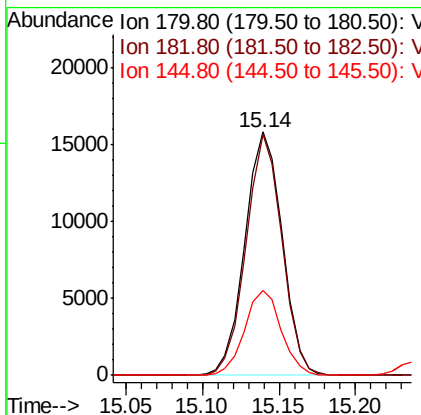
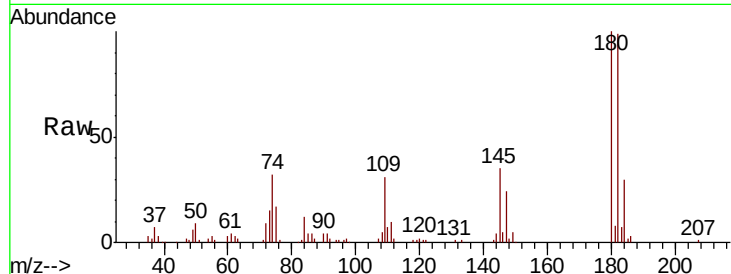
#93
 1,2,4-Trichlorobenzene
 Concen: 21.912 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	26888		
182	95.1		47.5	142.6
145	34.2		17.5	52.5

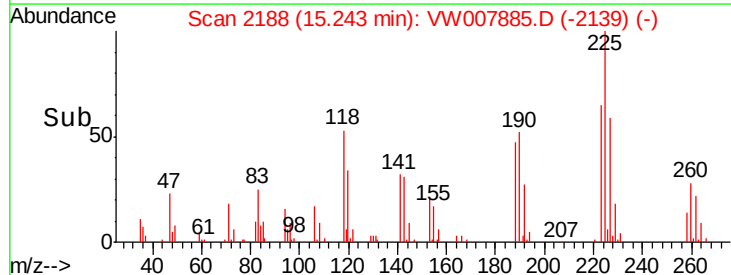
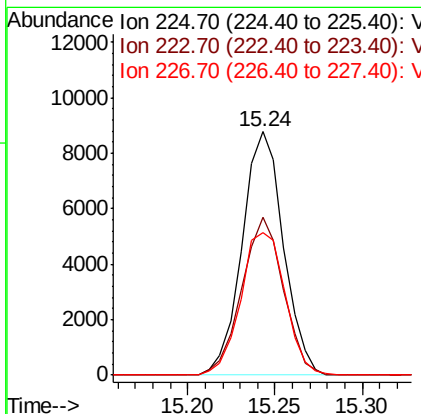
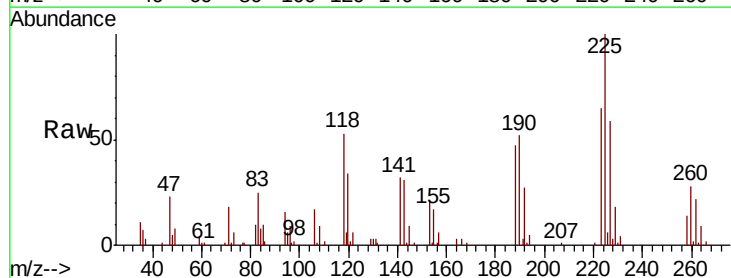
Manual Integrations
 APPROVED

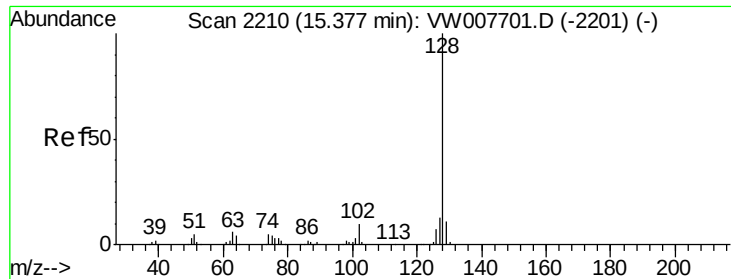
MMDadoda
 12/26/2018 4:38:50 PM



#94
 Hexachlorobutadiene
 Concen: 21.900 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007885.D
 Acq: 24 Dec 2018 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14362		
223	65.2		31.6	94.8
227	63.2		32.1	96.3





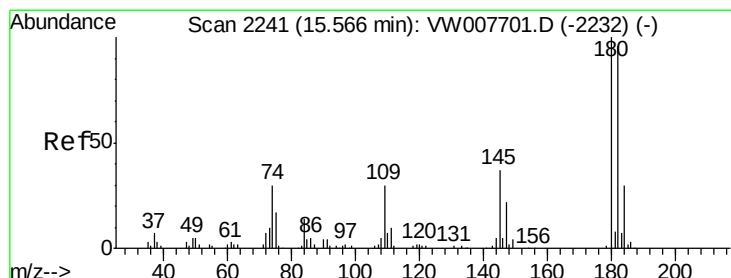
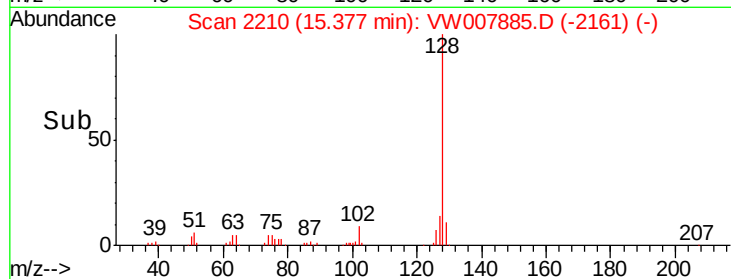
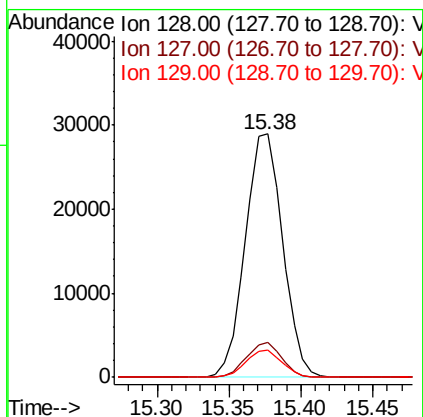
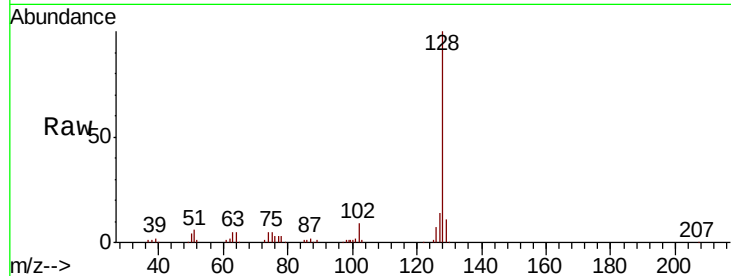
#95
Naphthalene
Concen: 22.969 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS02

Tot Ion:128	Resp:	52111
Ion Ratio	Lower	Upper
128 100		
127 13.6	10.7	16.1
129 10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 4:38:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.044 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007885.D
Acq: 24 Dec 2018 13:42

Tgt Ion:180	Resp:	23155
Ion Ratio	Lower	Upper
180 100		
182 96.0	47.4	142.2
145 35.9	18.4	55.0

