

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007889.D
 Acq On : 24 Dec 2018 15:25
 Operator : SY/AP
 Sample : J6426-03MSD
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MSD

Manual Integrations
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 12/26/2018 4:38:59 PM

Quant Time: Dec 26 03:59:26 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	39038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	68782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	30232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7009	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	34712	81.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.26%	
35) Dibromofluoromethane	7.88	113	28865	68.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.58%	
50) Toluene-d8	10.32	98	55136	34.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.72%	
62) 4-Bromofluorobenzene	12.62	95	12512	20.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	19831	57.142	ug/l	93
3) Chloromethane	2.21	50	23690	111.166	ug/l	99
4) Vinyl Chloride	2.37	62	28398	104.684	ug/l	97
5) Bromomethane	2.78	94	18283	96.764	ug/l	90
6) Chloroethane	2.93	64	15349	105.761	ug/l	96
7) Trichlorofluoromethane	3.26	101	15642	55.385	ug/l	100
8) Diethyl Ether	3.68	74	16772	96.956	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16599	39.907	ug/l	96
10) Methyl Iodide	4.26	142	47024	71.091	ug/l	97
11) Tert butyl alcohol	5.17	59	12386	429.124	ug/l	100
12) 1,1-Dichloroethene	4.03	96	23327	60.565	ug/l	99
13) Acrolein	3.89	56	3458	149.839	ug/l	100
14) Allyl chloride	4.67	41	44330	87.768	ug/l	90
15) Acrylonitrile	5.37	53	34624	469.223	ug/l	99
16) Acetone	4.12	43	29141	363.701	ug/l	98
17) Carbon Disulfide	4.37	76	51550	43.251	ug/l	100
18) Methyl Acetate	4.67	43	60127	315.542	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	56108	101.472	ug/l	98
20) Methylene Chloride	4.91	84	32129	84.539	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	24629	58.142	ug/l	91
22) Diisopropyl ether	6.31	45	88734	93.824	ug/l	96
23) Vinyl Acetate	6.31	43	67617m	120.337	ug/l	
24) 1,1-Dichloroethane	6.21	63	53025	76.213	ug/l	99
25) 2-Butanone	7.17	43	39524	421.149	ug/l	90
26) 2,2-Dichloropropane	7.17	77	33906	66.597	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	31702	70.246	ug/l	97
28) Bromochloromethane	7.51	49	20182	85.078	ug/l	91
29) Tetrahydrofuran	7.53	42	27013	482.557	ug/l	95
30) Chloroform	7.68	83	53173	67.532	ug/l	96
31) Cyclohexane	7.95	56	17588	27.613	ug/l	85
32) 1,1,1-Trichloroethane	7.87	97	37202	51.879	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23059	34.734	ug/l	97
37) Ethyl Acetate	7.26	43	8917	38.920	ug/l #	81
38) Carbon Tetrachloride	8.07	117	25513	32.632	ug/l	97

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 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)
39) Methylcyclohexane	9.34	83	14723	17.848	ug/l	97
40) Benzene	8.32	78	90606	51.146	ug/l	99
41) Methacrylonitrile	7.49	41	11035	84.834	ug/l	95
42) 1,2-Dichloroethane	8.40	62	39138	65.925	ug/l	99
43) Isopropyl Acetate	8.43	43	20723	45.147	ug/l	94
44) Trichloroethene	9.09	130	18147	33.873	ug/l	96
45) 1,2-Dichloropropane	9.37	63	24106	61.325	ug/l	97
46) Dibromomethane	9.46	93	14767	61.028	ug/l	94
47) Bromodichloromethane	9.65	83	33123	52.070	ug/l	99
48) Methyl methacrylate	9.44	41	22051	96.243	ug/l	93
49) 1,4-Dioxane	9.45	88	5321	1386.993	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	83994	387.197	ug/l	97
52) Toluene	10.39	92	40242	33.857	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	31930	50.464	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	36306	51.947	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	21786	65.310	ug/l	93
56) Ethyl methacrylate	10.65	69	19303	48.977	ug/l	87
57) 1,3-Dichloropropane	10.93	76	31679	57.190	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	78820	438.017	ug/l	96
59) 2-Hexanone	10.97	43	52326	342.989	ug/l	97
60) Dibromochloromethane	11.13	129	18179	41.159	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15863	46.959	ug/l	97
64) Tetrachloroethene	10.86	164	7212	33.688	ug/l	96
65) Chlorobenzene	11.66	112	30850	47.146	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	15852	67.799	ug/l	97
67) Ethyl Benzene	11.73	91	43191	38.465	ug/l	96
68) m/p-Xylenes	11.84	106	31517	72.357	ug/l	98
69) o-Xylene	12.17	106	15555	38.097	ug/l	100
70) Styrene	12.18	104	27059	40.317	ug/l	97
71) Bromoform	12.35	173	7964	65.614	ug/l #	98
73) Isopropylbenzene	12.47	105	30861	58.250	ug/l	99
74) N-amyl acetate	12.27	43	4968	54.136	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.72	83	15936	200.616	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	13283m	245.196	ug/l	
77) Bromobenzene	12.75	156	8923	73.490	ug/l	64
78) n-propylbenzene	12.81	91	28797	46.694	ug/l	98
79) 2-Chlorotoluene	12.90	91	20367	56.690	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	20946	45.834	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5455	211.368	ug/l	99
82) 4-Chlorotoluene	12.99	91	19756	51.644	ug/l	98
83) tert-Butylbenzene	13.21	119	18526	46.202	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	22415	48.609	ug/l	99
85) sec-Butylbenzene	13.39	105	21179	38.325	ug/l	99
86) p-Isopropyltoluene	13.51	119	16779	33.391	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	9995	41.461	ug/l	88
88) 1,4-Dichlorobenzene	13.58	146	9935	41.200	ug/l	89
89) n-Butylbenzene	13.83	91	13316	28.902	ug/l	96
90) Hexachloroethane	14.10	117	3080	34.913	ug/l	89
91) 1,2-Dichlorobenzene	13.88	146	9567	44.324	ug/l #	81
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2168	132.899	ug/l	96

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ClientSampleId :
P001-DS001-01MSD

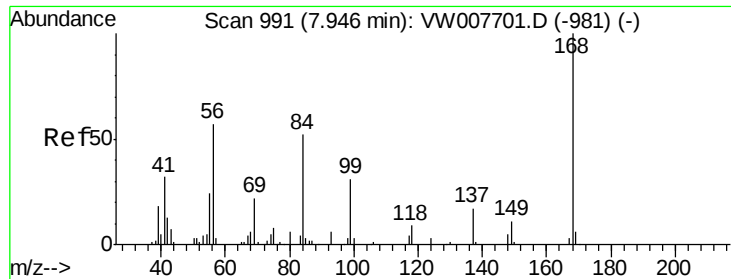
Manual Integrations
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Quant Time: Dec 26 03:59:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	2806	18.728	ug/l #	46
94) Hexachlorobutadiene	15.24	225	1430	17.859	ug/l	95
95) Naphthalene	15.37	128	10225	36.913	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	2276	17.746	ug/l #	71

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



#1

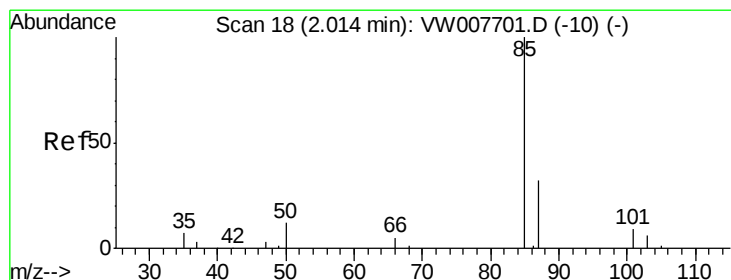
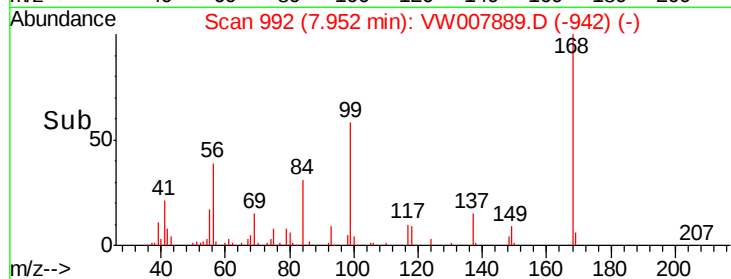
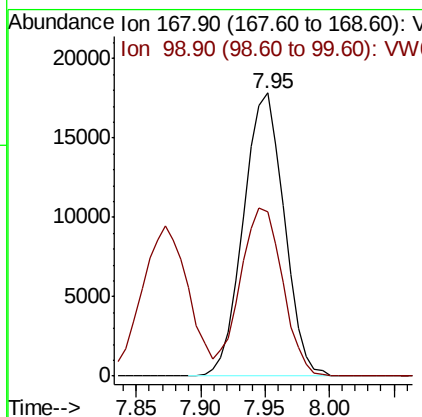
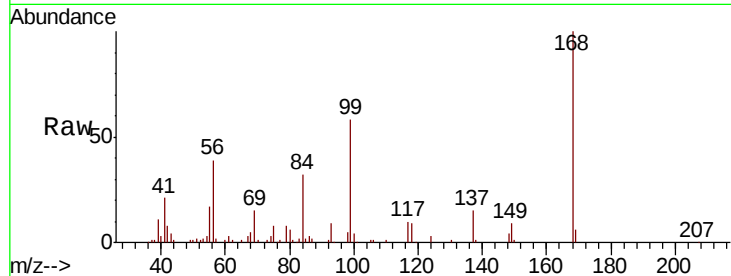
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Instrument :
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 ClientSampleId :
 P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.2	54.0	81.0

Manual Integrations
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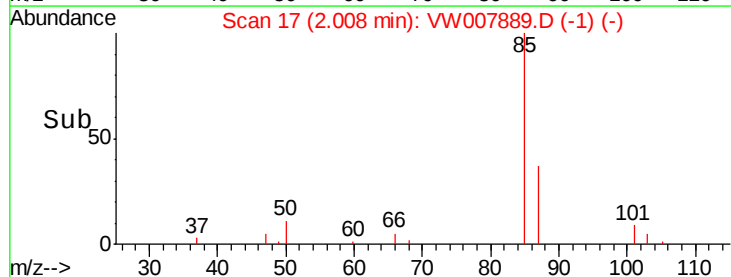
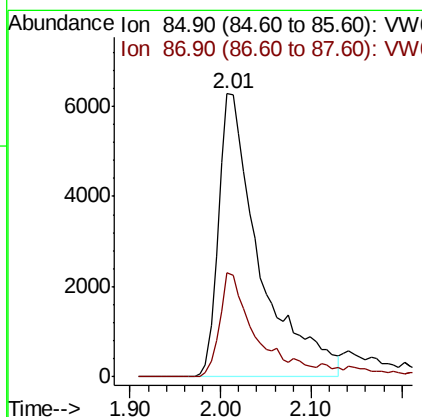
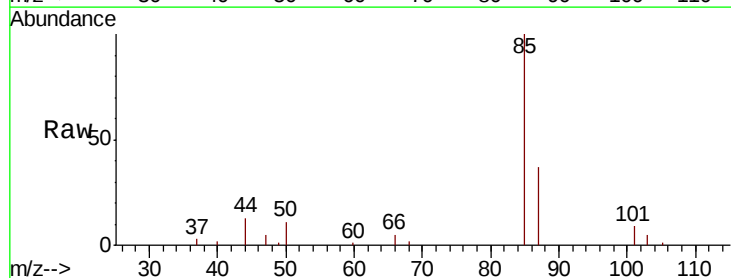
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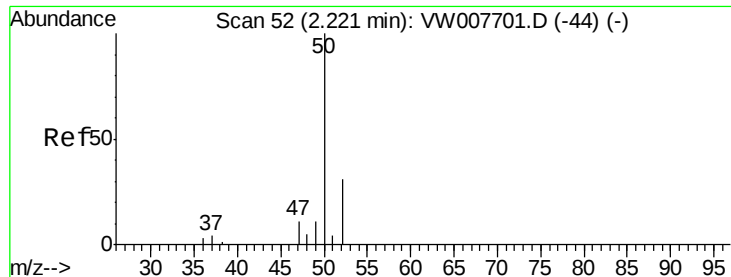


#2

Dichlorodifluoromethane
 Concen: 57.142 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. -0.01 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	36.7	16.3	48.8





#3

Chloromethane

Concen: 111.166 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 50 Resp: 23690

Ion Ratio Lower Upper

50 100

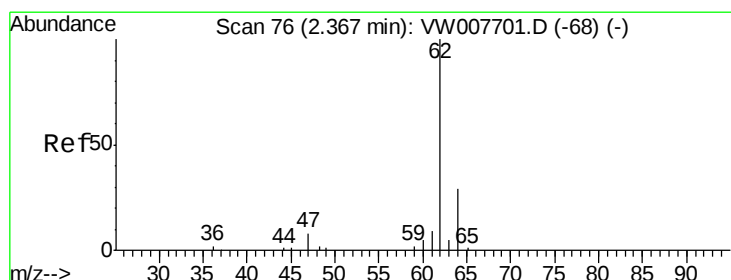
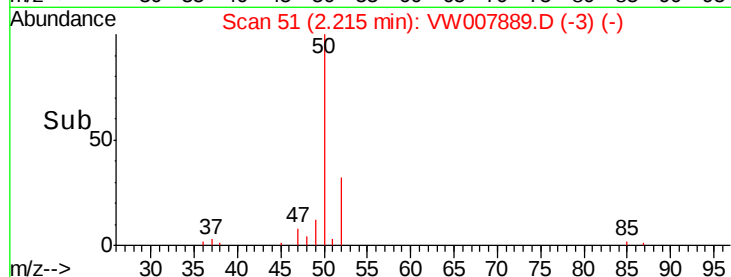
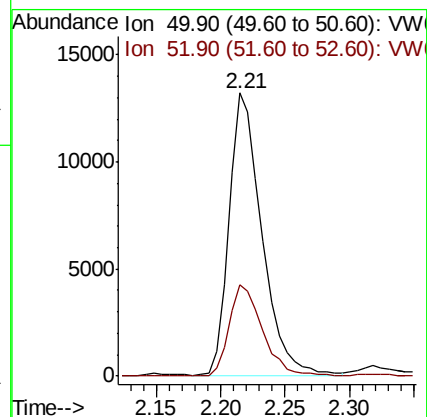
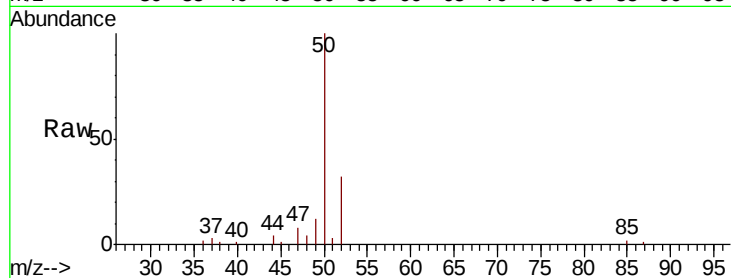
52 32.1 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 104.684 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007889.D

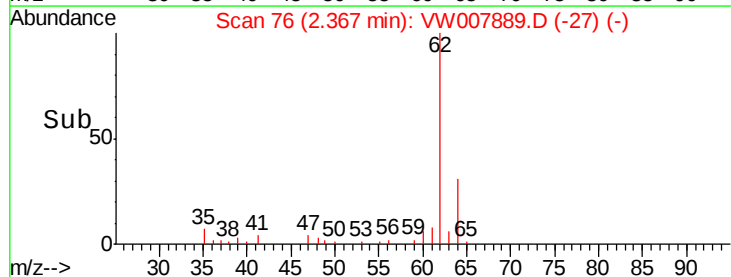
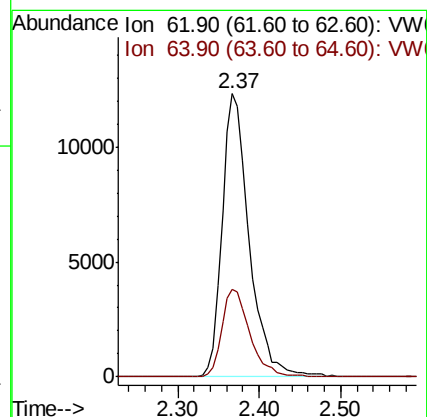
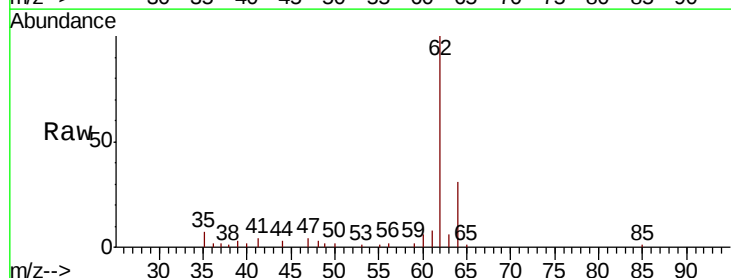
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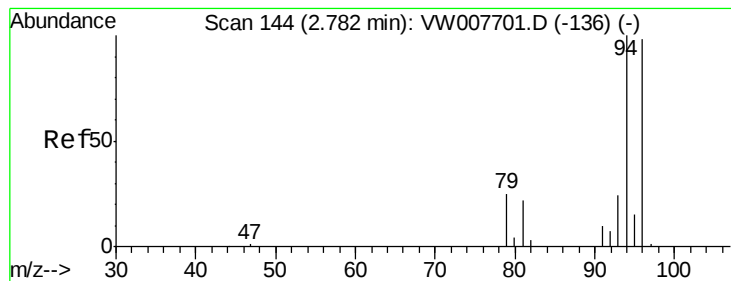
Tgt Ion: 62 Resp: 28398

Ion Ratio Lower Upper

62 100

64 31.0 23.4 35.0





#5

Bromomethane

Concen: 96.764 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 94 Resp: 18283

Ion Ratio Lower Upper

94 100

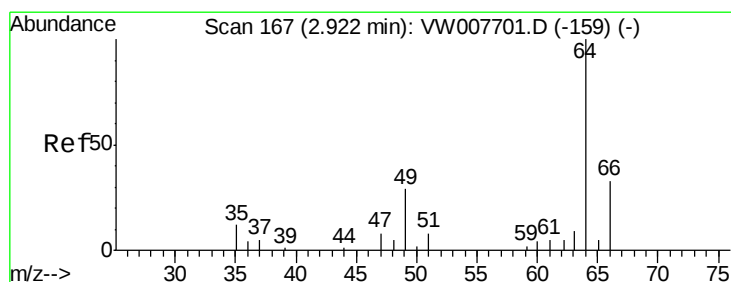
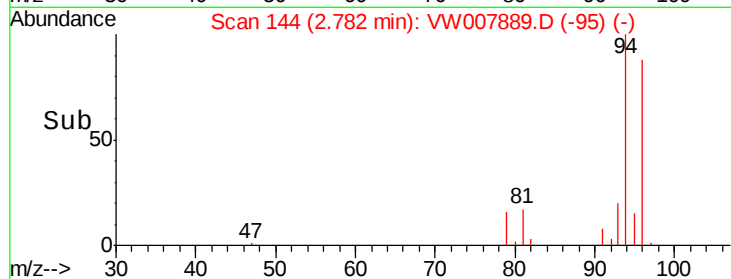
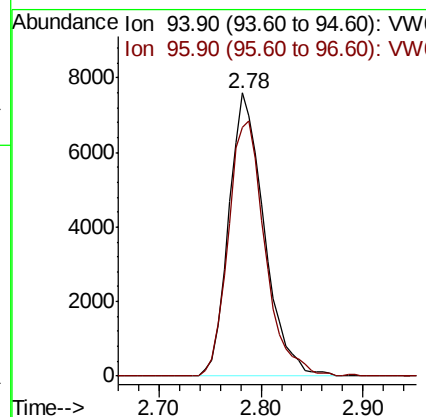
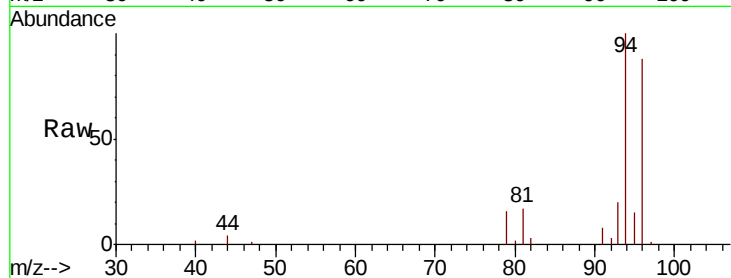
96 87.8 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 105.761 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007889.D

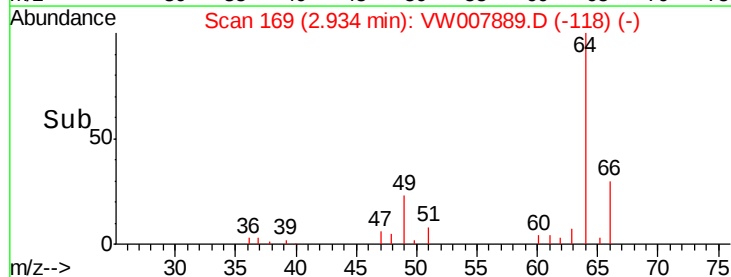
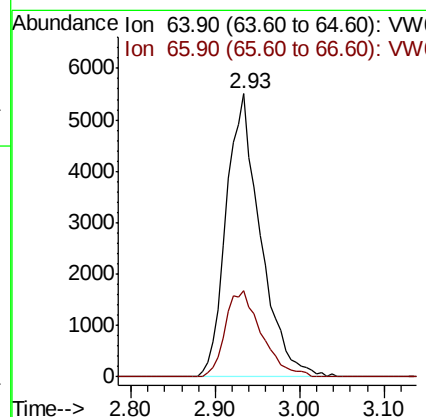
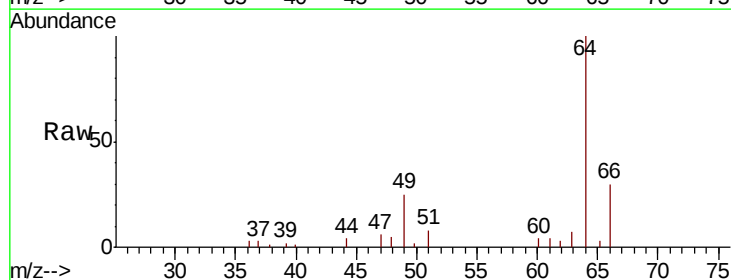
Acq: 24 Dec 2018 15:25

Tgt Ion: 64 Resp: 15349

Ion Ratio Lower Upper

64 100

66 30.5 26.2 39.4





#7

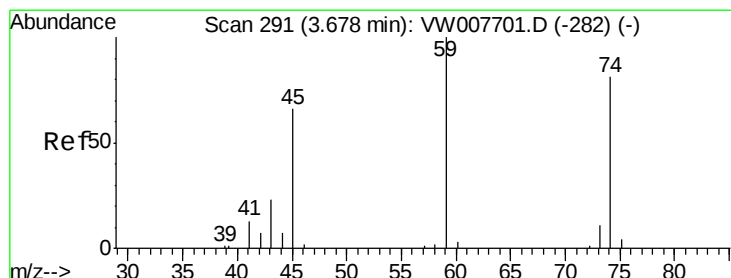
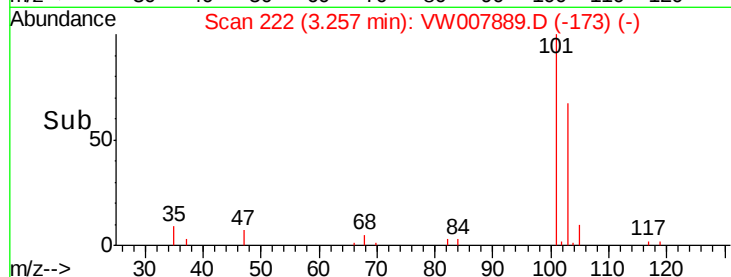
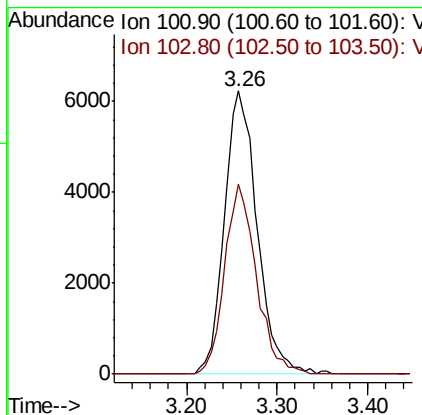
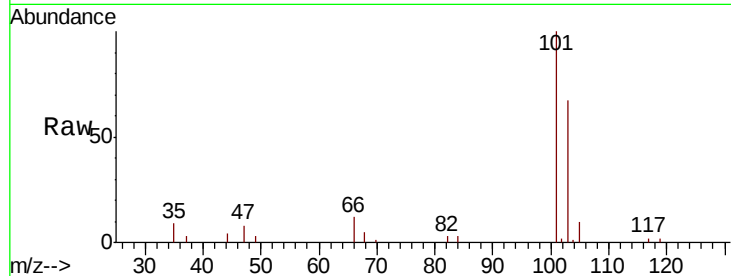
Trichlorofluoromethane
 Concen: 55.385 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Instrument :
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 ClientSampleId :
 P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	53.4	80.2

Manual Integrations
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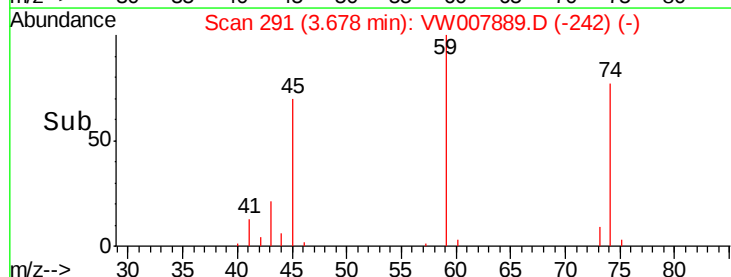
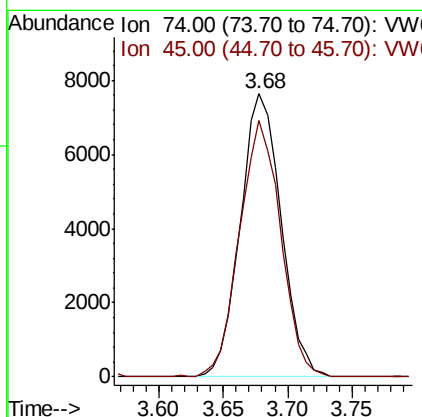
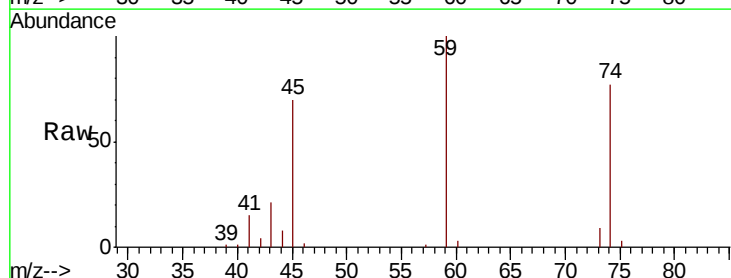
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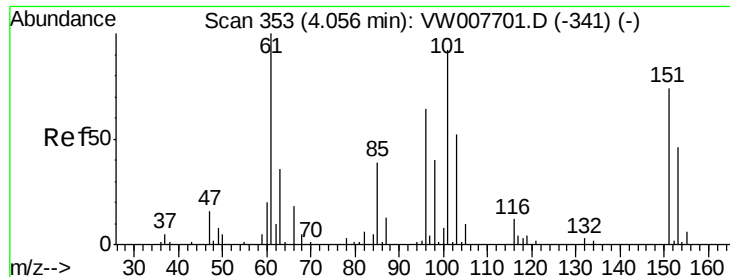


#8

Diethyl Ether
 Concen: 96.956 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.1	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.907 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

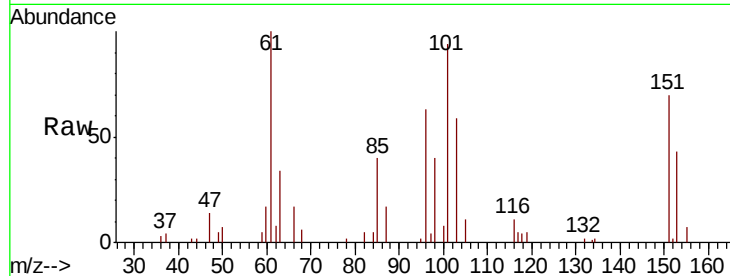
ClientSampleId :

P001-DS001-01MSD

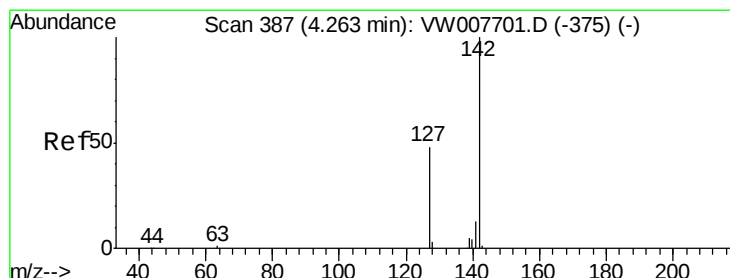
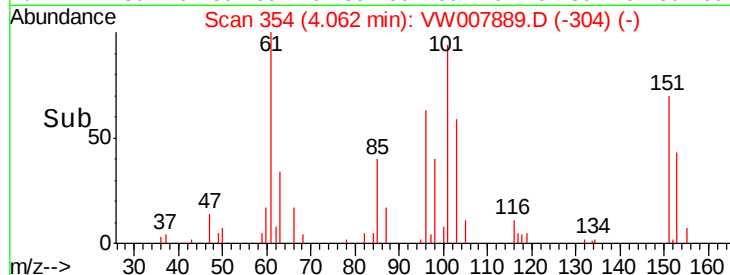
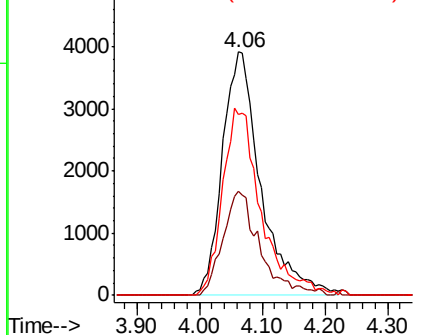
Tot Ion:	101	Resp:	16599
Ion Ratio	Lower	Upper	
101	100		
85	40.6	34.3	51.5
151	76.7	64.6	96.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 71.091 ug/l

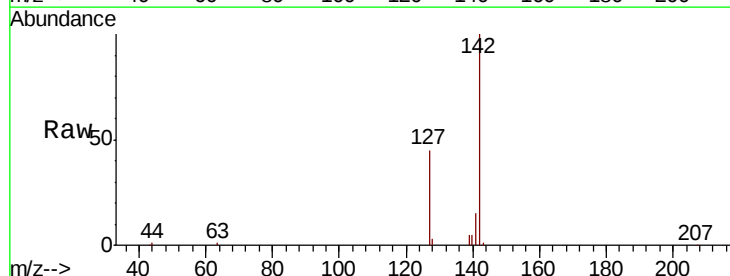
RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

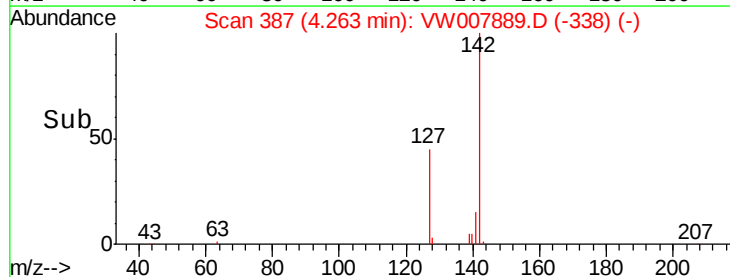
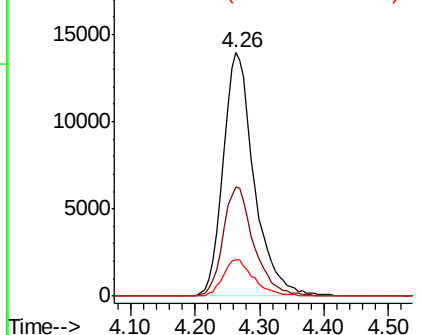
Lab File: VW007889.D

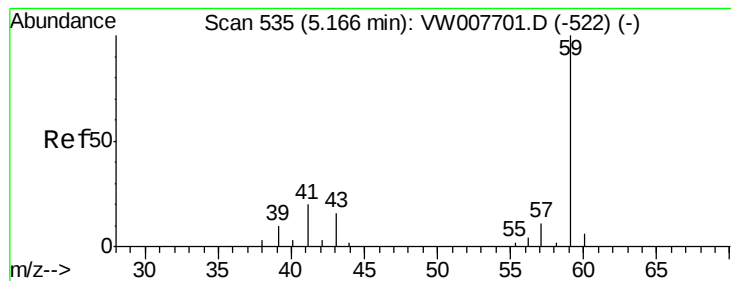
Acq: 24 Dec 2018 15:25

Tgt Ion:	142	Resp:	47024
Ion Ratio	Lower	Upper	
142	100		
127	44.6	37.7	56.5
141	14.7	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

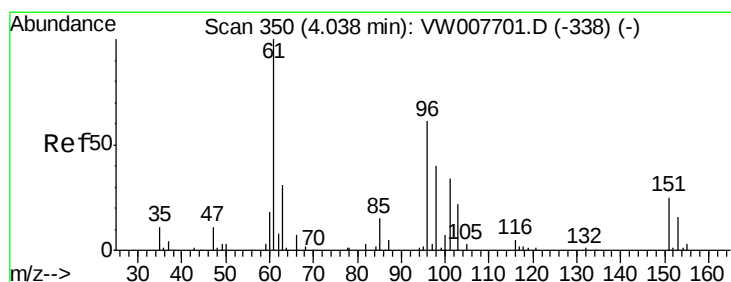
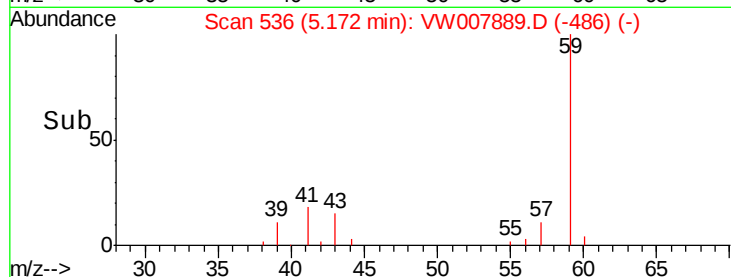
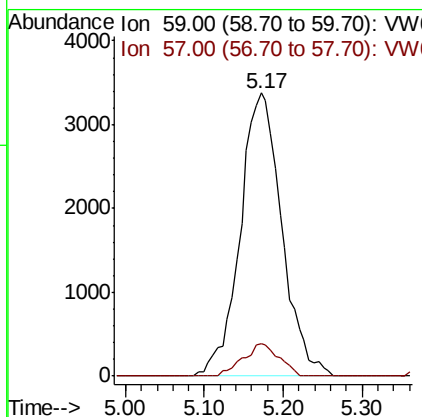
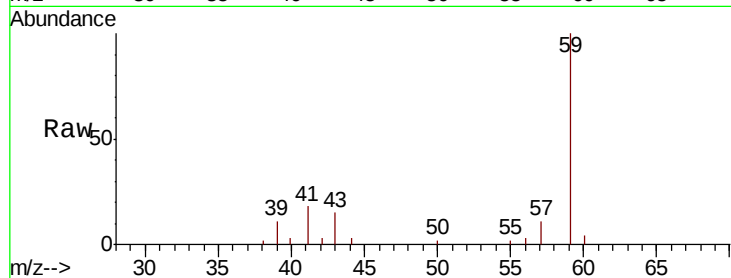
Tert butyl alcohol
 Concen: 429.124 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

Manual Integrations
 APPROVED

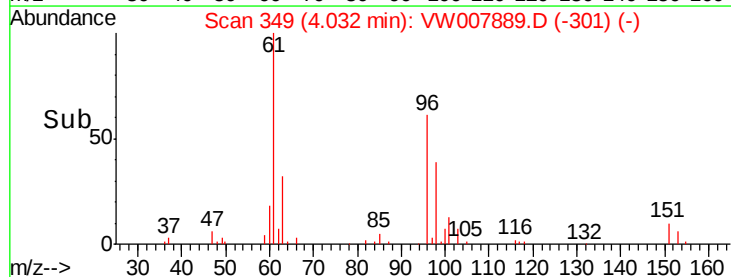
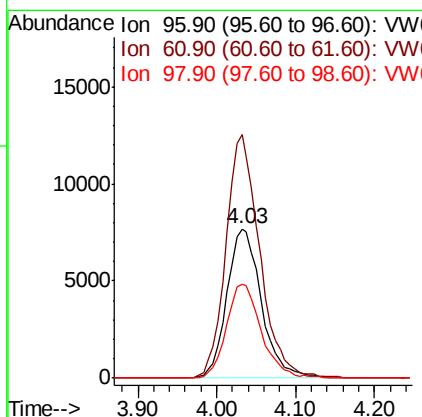
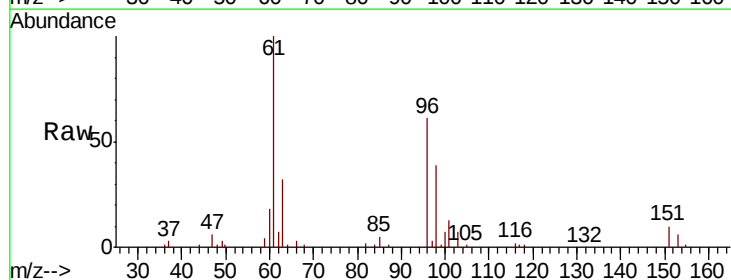
MMDadoda
 12/26/2018 4:38:59 PM

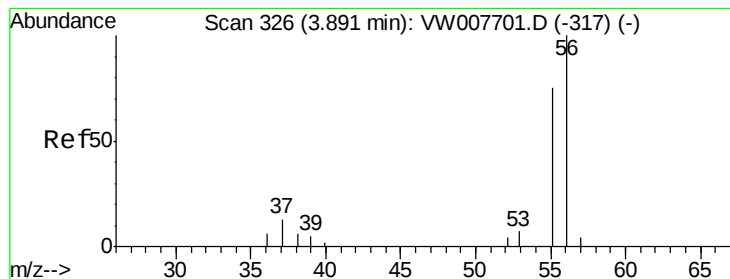


#12

1,1-Dichloroethene
 Concen: 60.565 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	130.6	195.8
98	63.4	52.3	78.5





#13

Acrolein

Concen: 149.839 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 56 Resp: 3458

Ion Ratio Lower Upper

56 100

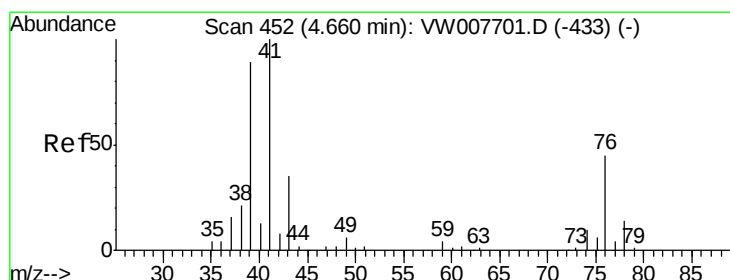
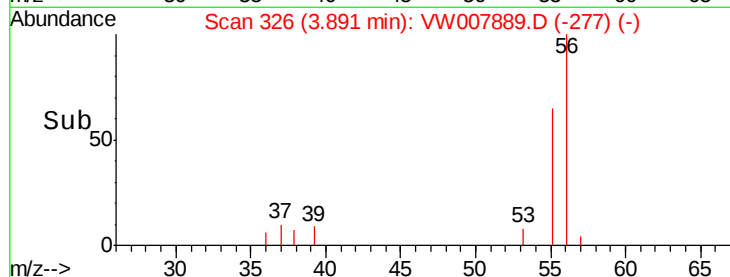
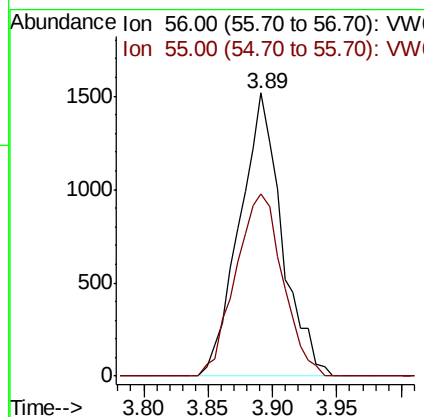
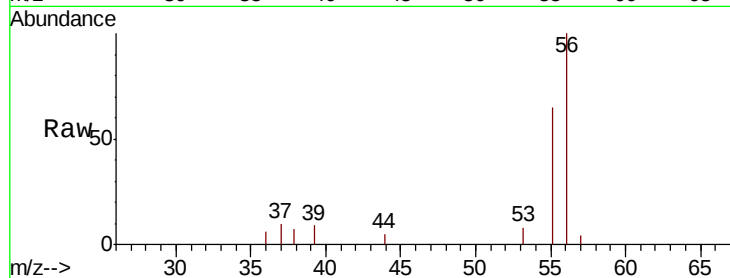
55 71.8 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 87.768 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

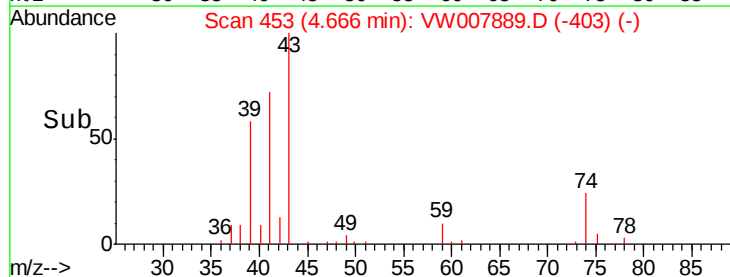
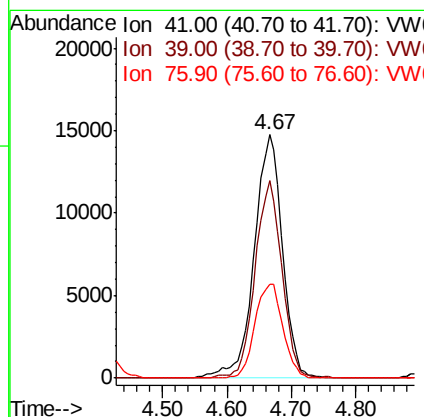
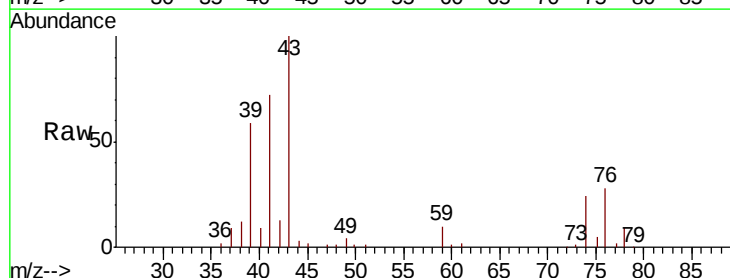
Tgt Ion: 41 Resp: 44330

Ion Ratio Lower Upper

41 100

39 77.1 69.5 104.3

76 37.9 34.8 52.2





#15

Acrylonitrile

Concen: 469.223 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

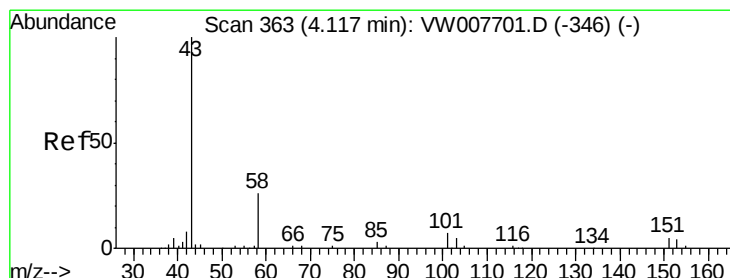
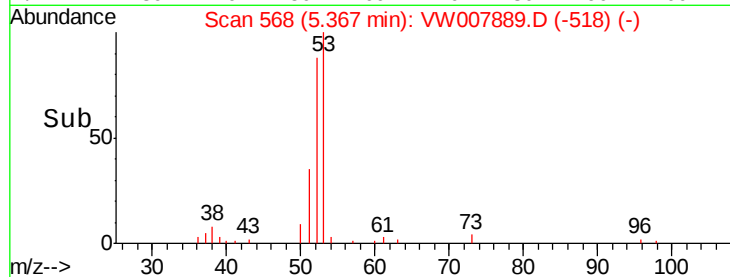
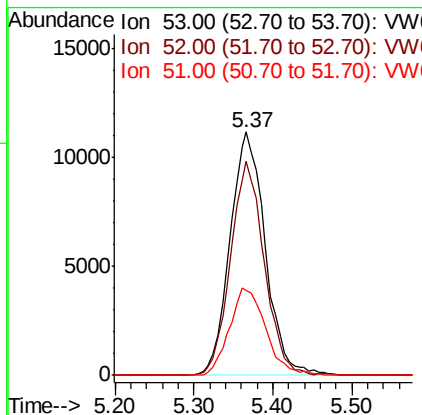
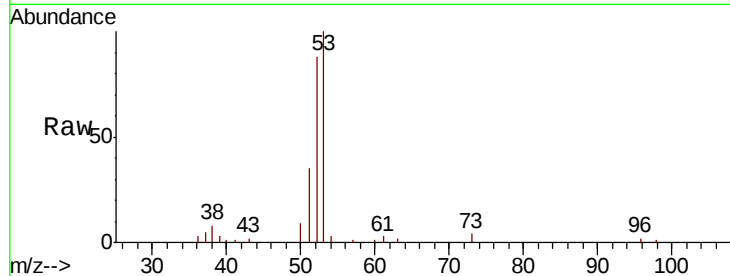
ClientSampleId :

P001-DS001-01MSD

Tot Ion:	53	Resp:	34624
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.0	100.4
51	37.2	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 363.701 ug/l

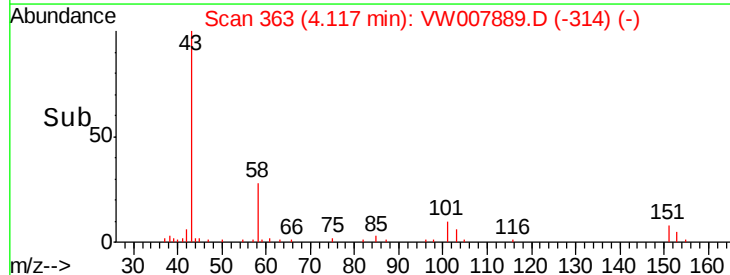
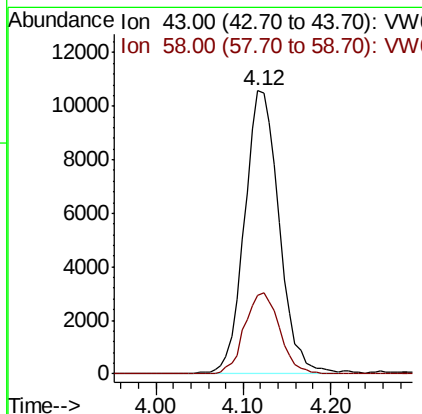
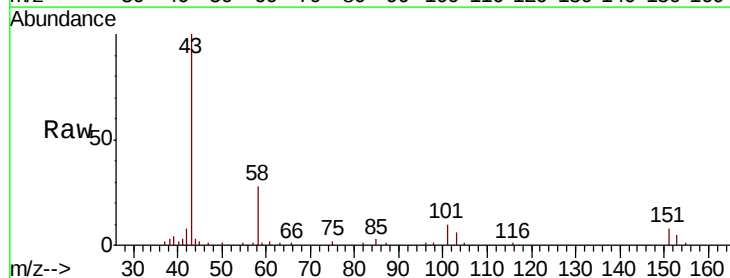
RT: 4.12 min Scan# 363

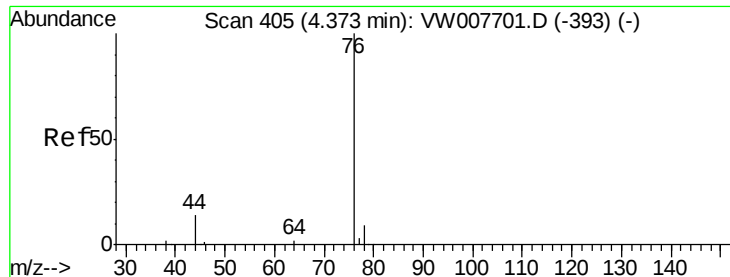
Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Tgt Ion:	43	Resp:	29141
Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8





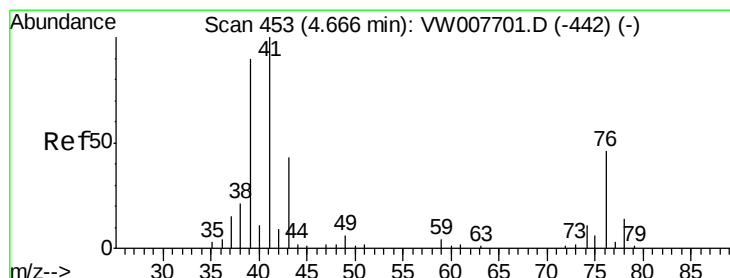
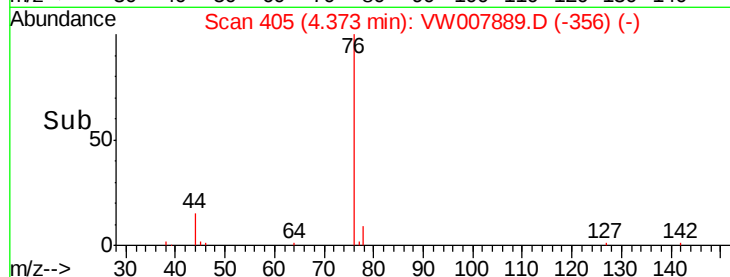
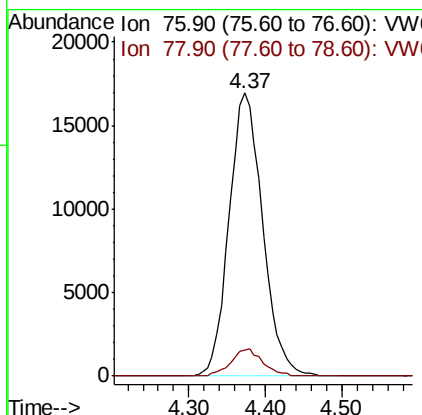
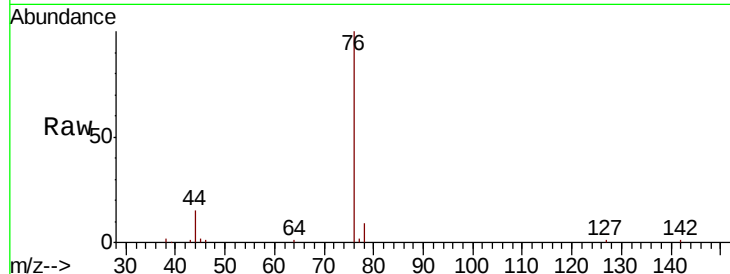
#17
Carbon Disulfide
Concen: 43.251 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

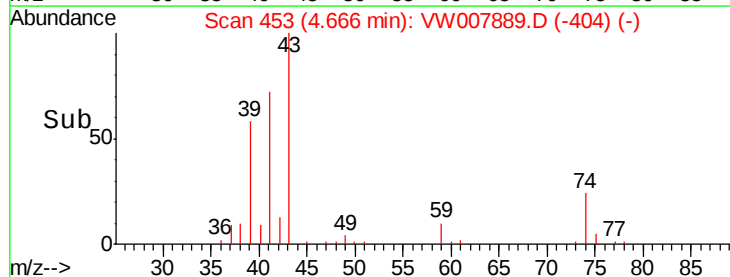
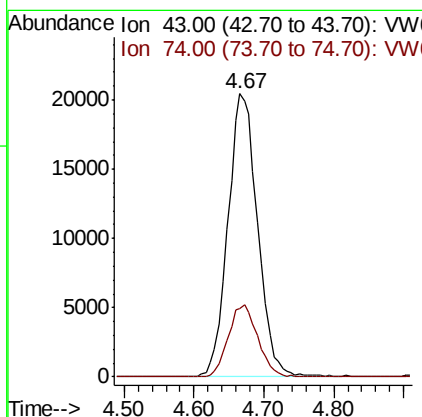
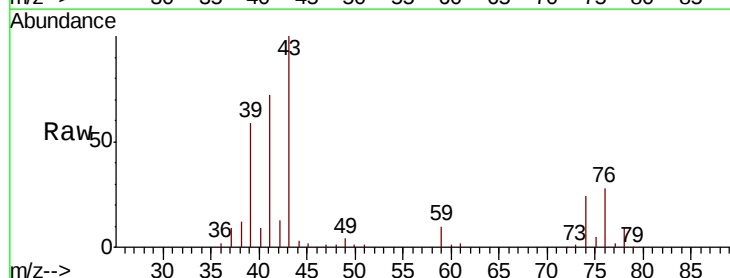
Manual Integrations
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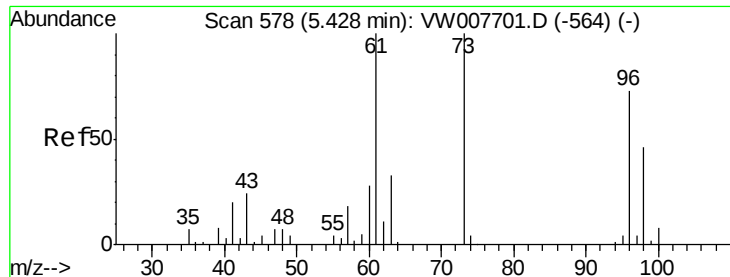
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#18
Methyl Acetate
Concen: 315.542 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	22.7	34.1





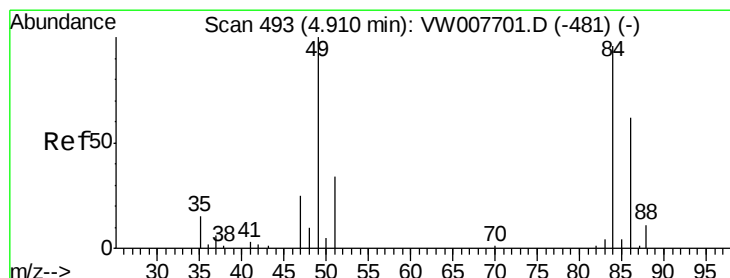
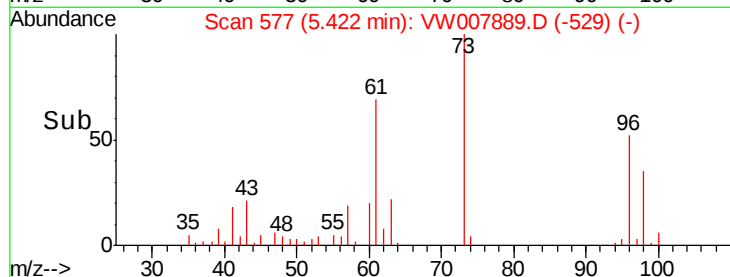
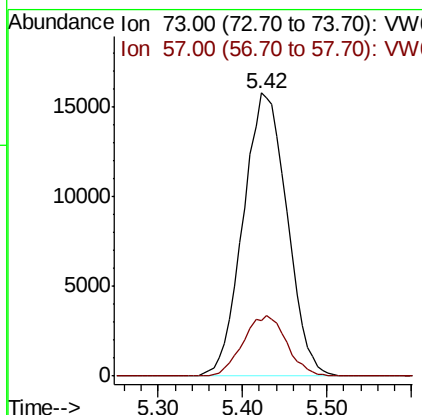
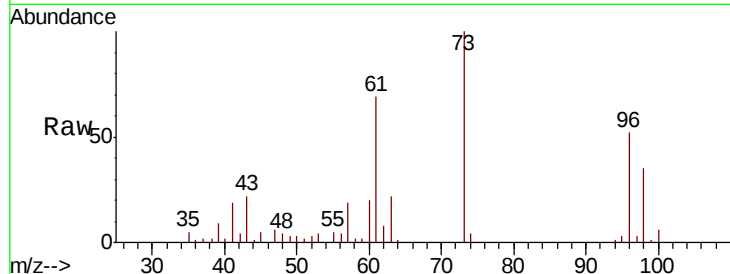
#19
Methvl tert-butvl Ether
Concen: 101.472 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion: 73 Resp: 56108
Ion Ratio Lower Upper
73 100
57 19.4 14.7 22.1

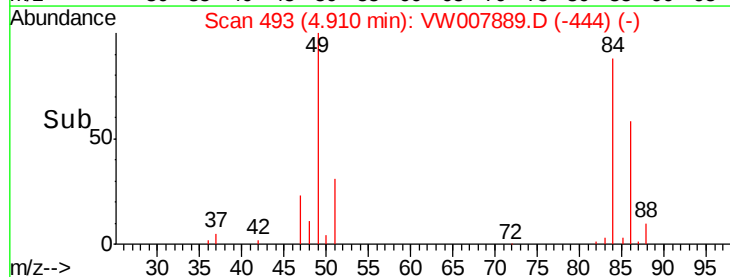
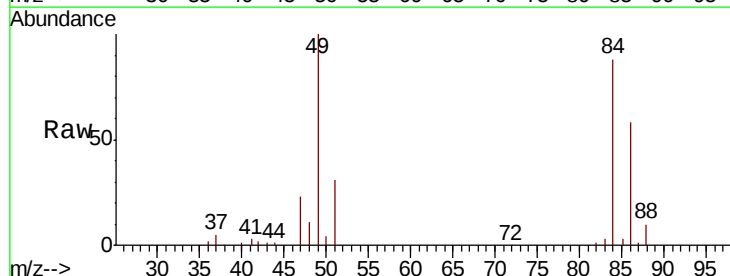
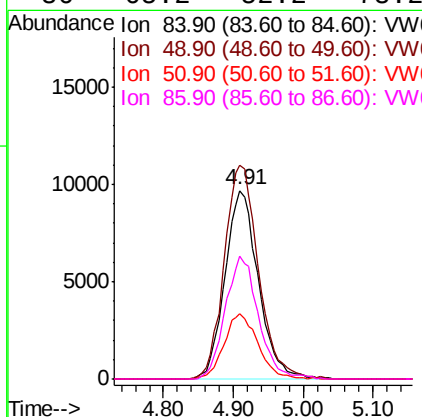
Manual Integrations
APPROVED

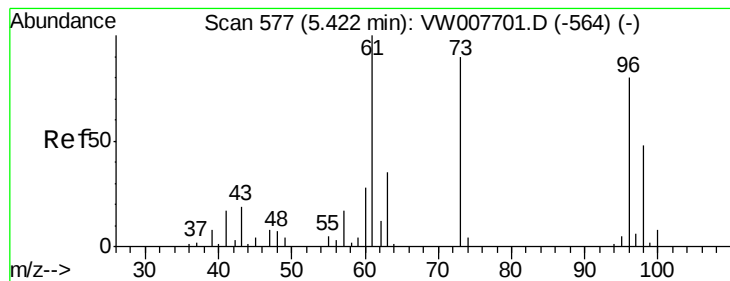
MMDadoda
12/26/2018 4:38:59 PM



#20
Methylene Chloride
Concen: 84.539 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion: 84 Resp: 32129
Ion Ratio Lower Upper
84 100
49 113.4 83.7 125.5
51 34.9 28.2 42.2
86 65.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 58.142 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 96 Resp: 24629

Ion Ratio Lower Upper

96 100

61 137.0 100.1 150.1

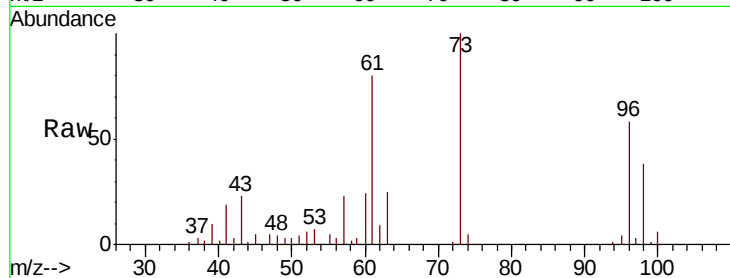
98 65.1 48.5 72.7

Manual Integrations

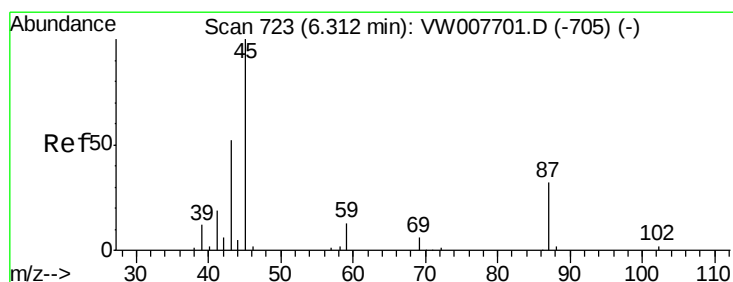
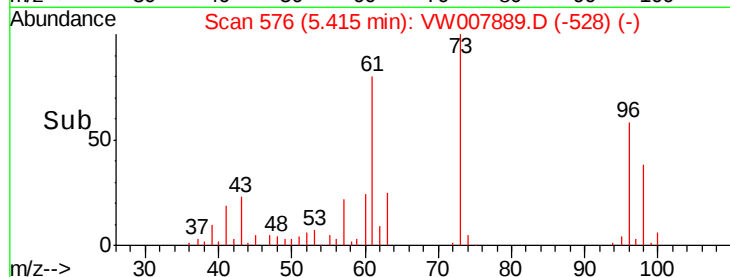
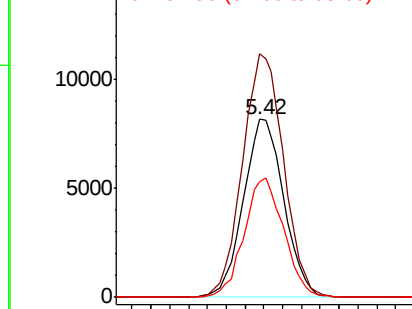
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Abundance Ion 95.90 (95.60 to 96.60): VW
15000 Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 93.824 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Tgt Ion: 45 Resp: 88734

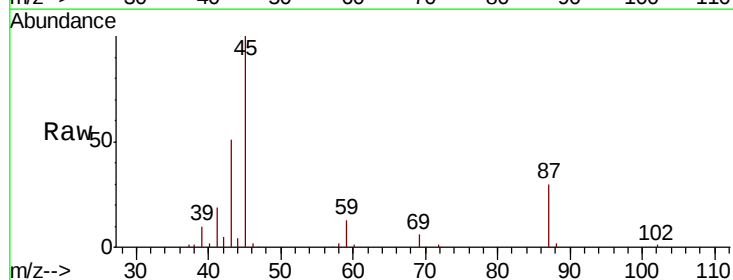
Ion Ratio Lower Upper

45 100

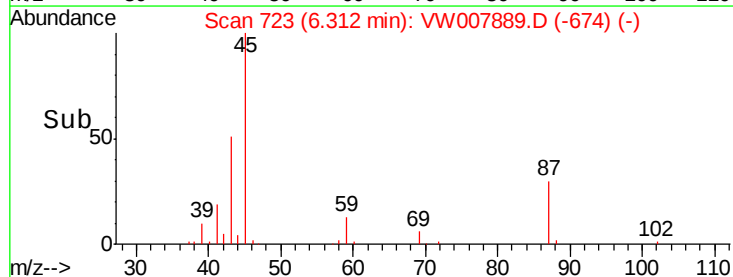
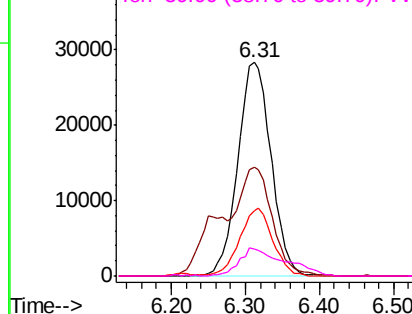
43 51.1 43.7 65.5

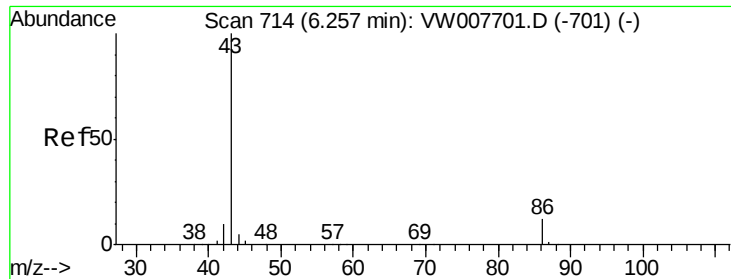
87 30.5 26.6 40.0

59 12.5 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VW
40000 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: 120.337 ug/l m

RT: 6.31 min Scan# 723

Delta R.T. 0.05 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 43 Resp: 67617

Ion Ratio Lower Upper

43 100

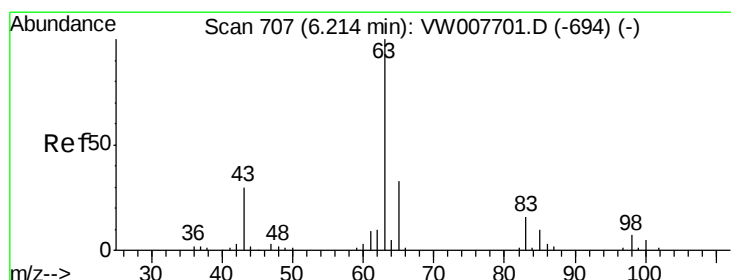
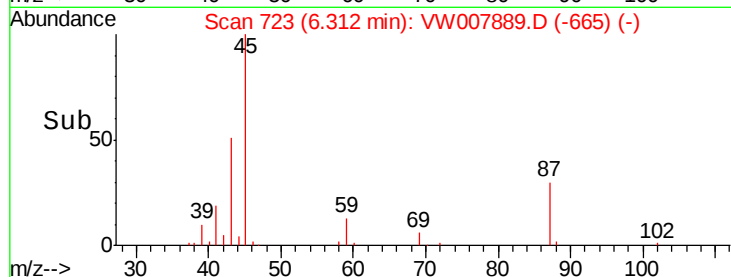
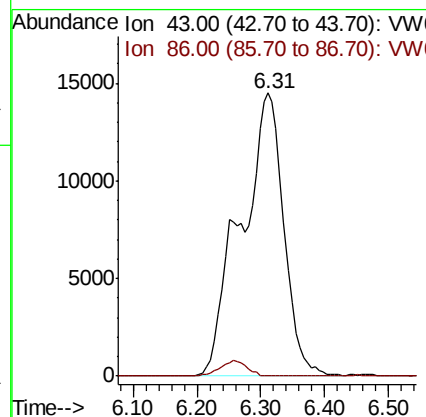
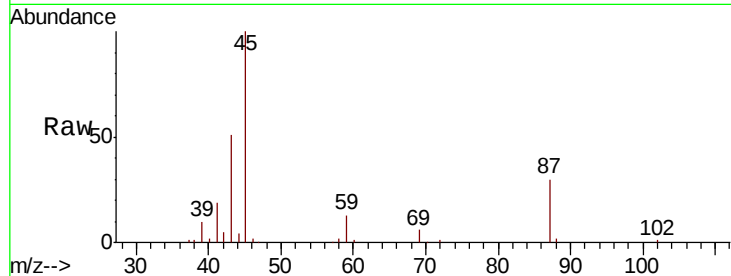
86 0.0 9.6 14.4#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 76.213 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

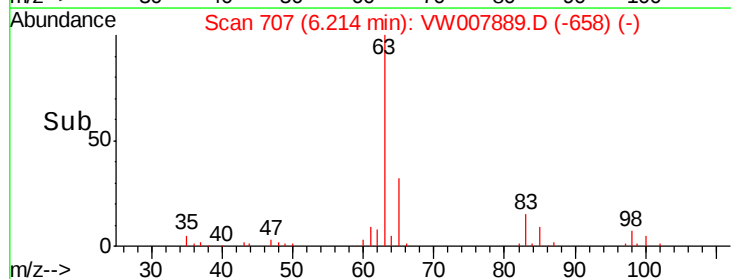
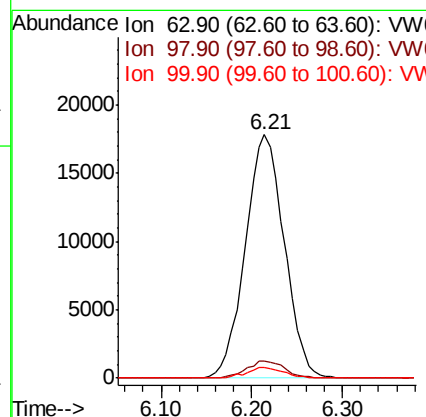
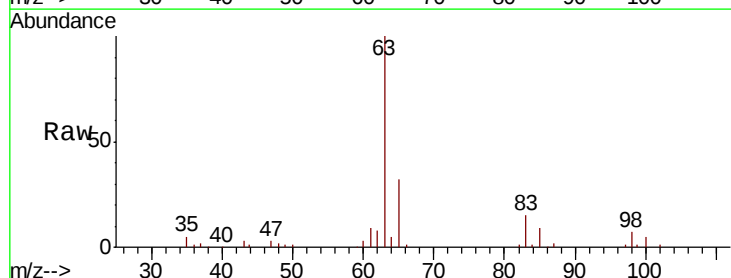
Tgt Ion: 63 Resp: 53025

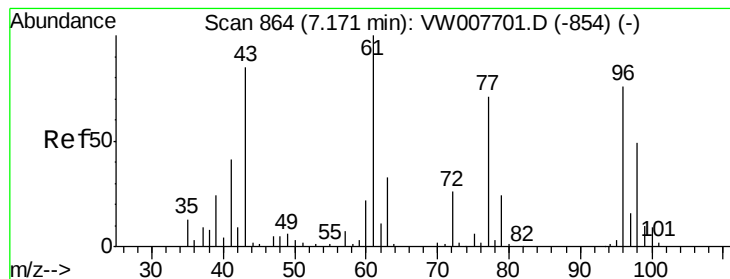
Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 421.149 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 43 Resp: 39524

Ion Ratio Lower Upper

43 100

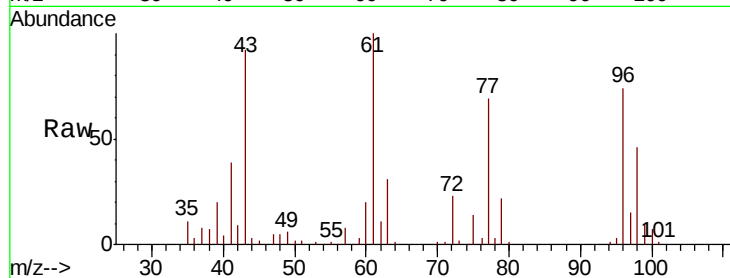
72 25.3 24.5 36.7

Manual Integrations

APPROVED

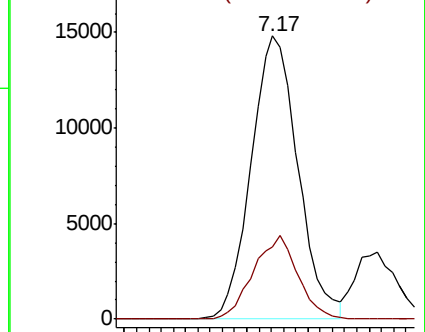
MMDadoda

12/26/2018 4:38:59 PM

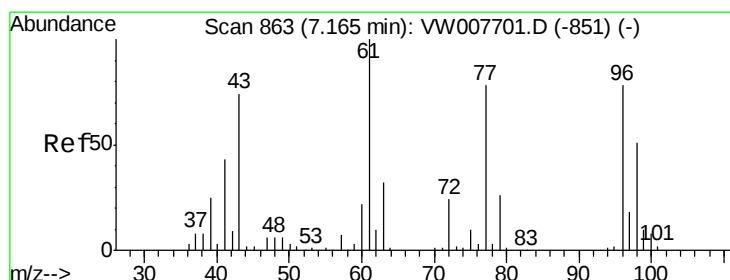
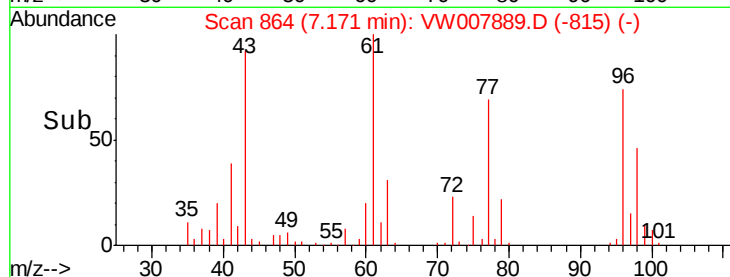


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 66.597 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007889.D

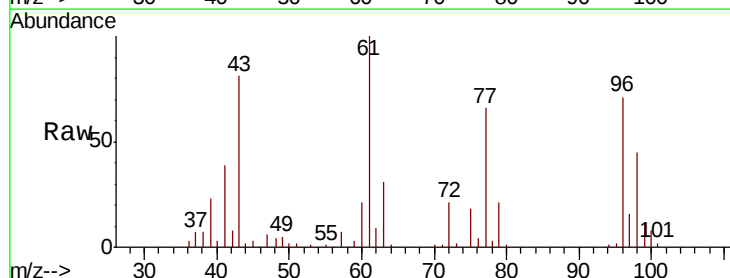
Acq: 24 Dec 2018 15:25

Tgt Ion: 77 Resp: 33906

Ion Ratio Lower Upper

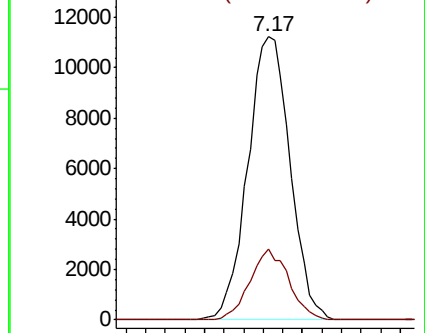
77 100

97 22.9 11.3 33.9

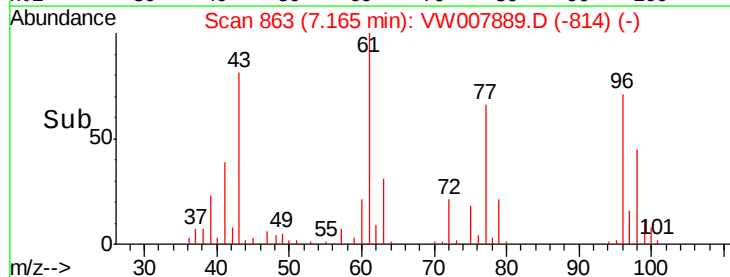


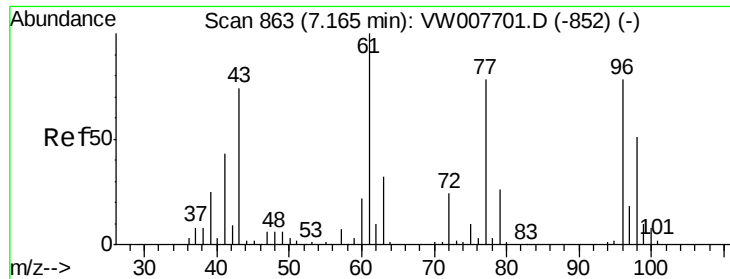
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->





#27

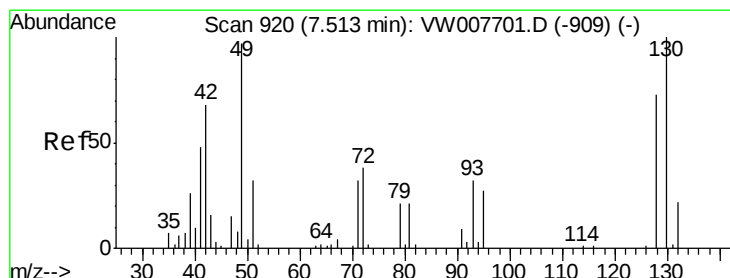
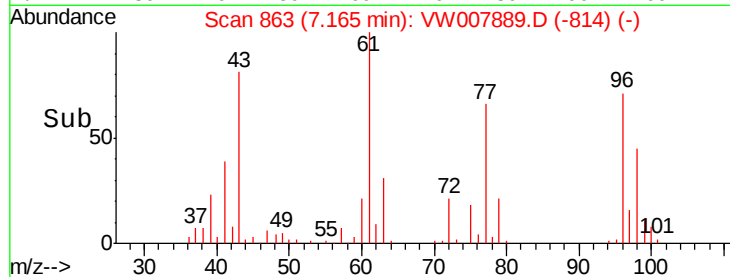
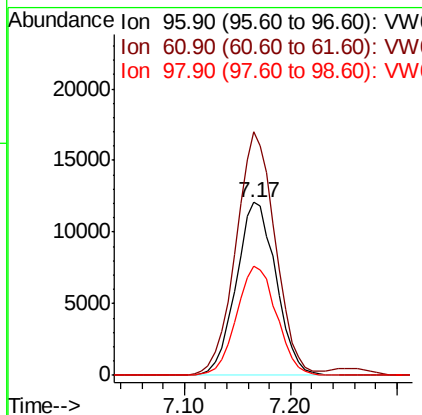
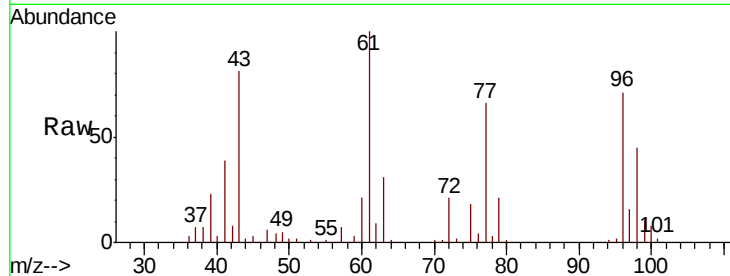
cis-1,2-Dichloroethene
Concen: 70.246 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	271.6
98	63.2	0.0	131.2

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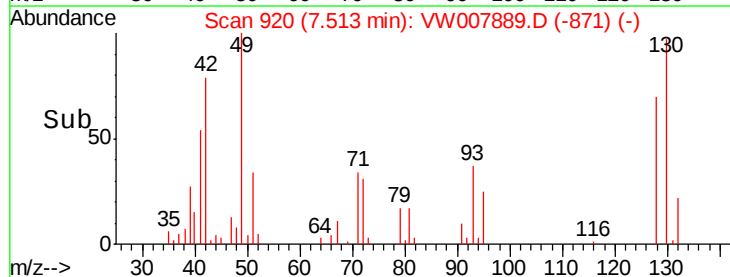
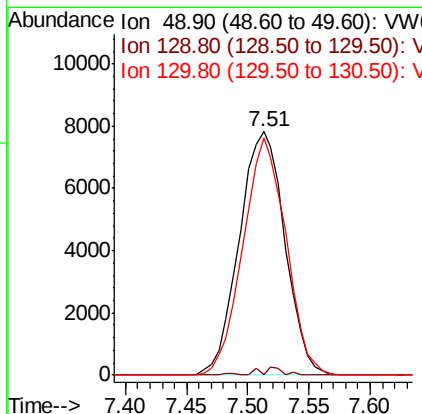
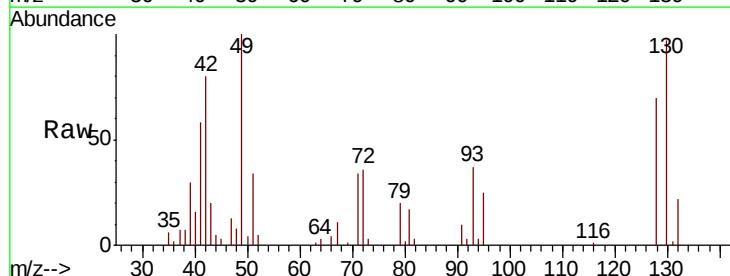
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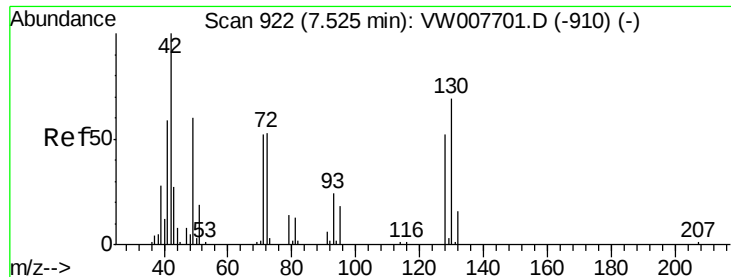


#28

Bromochloromethane
Concen: 85.078 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.2
130	92.3	81.5	122.3





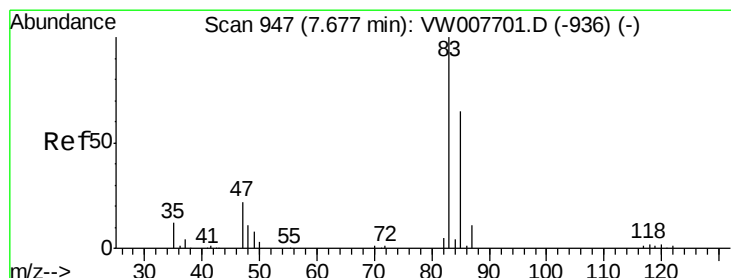
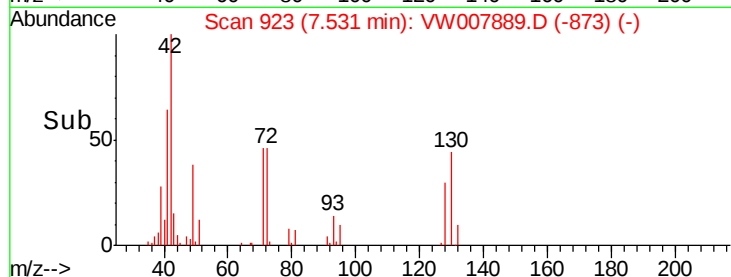
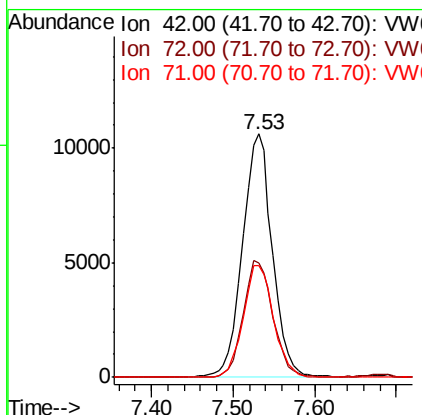
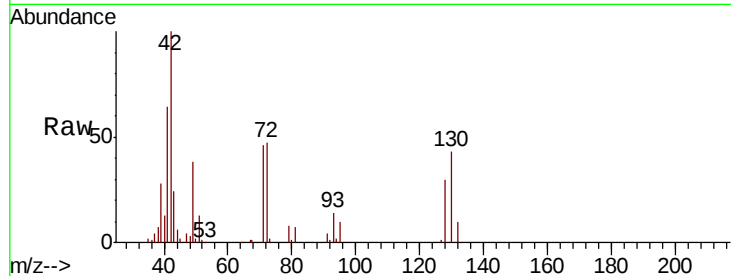
#29
Tetrahydrofuran
Concen: 482.557 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	41.7	62.5
71	46.5	39.0	58.6

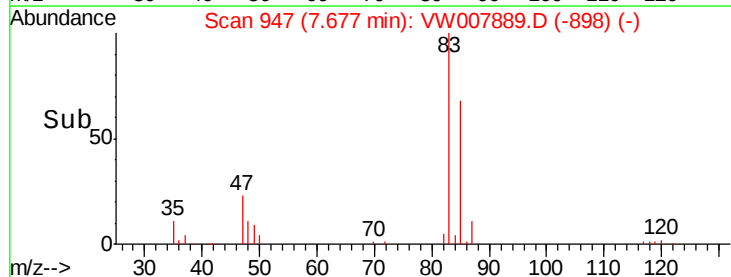
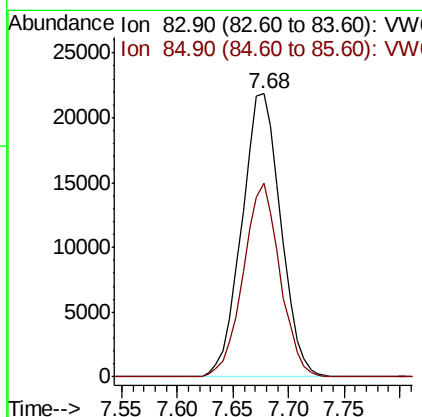
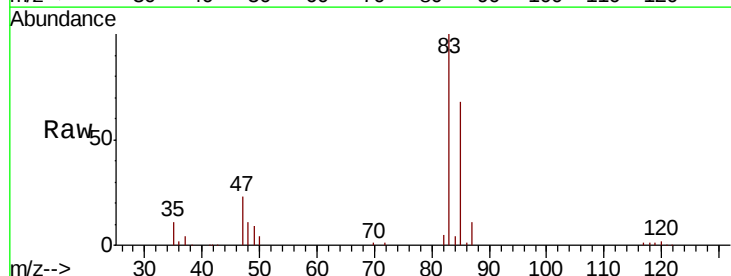
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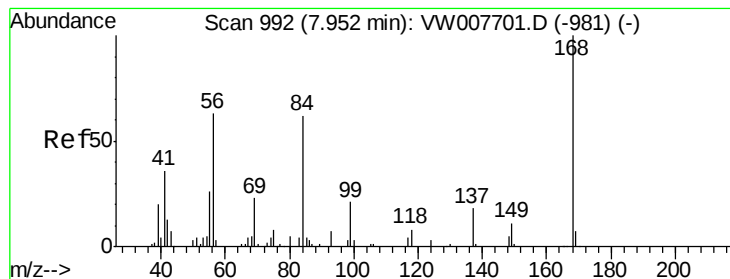
MMDadoda
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#30
Chloroform
Concen: 67.532 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	52.2	78.2





#31

Cyclohexane

Concen: 27.613 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 56 Resp: 17588

Ion Ratio Lower Upper

56 100

69 39.5 29.7 44.5

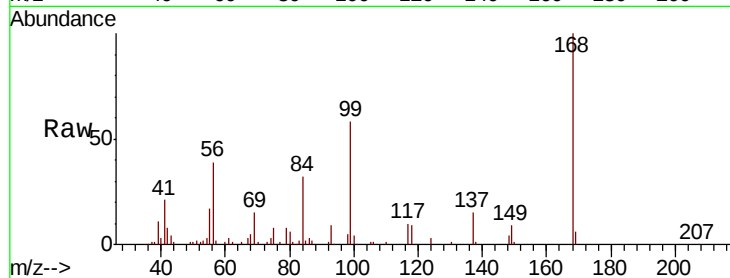
84 79.7 78.9 118.3

Manual Integrations

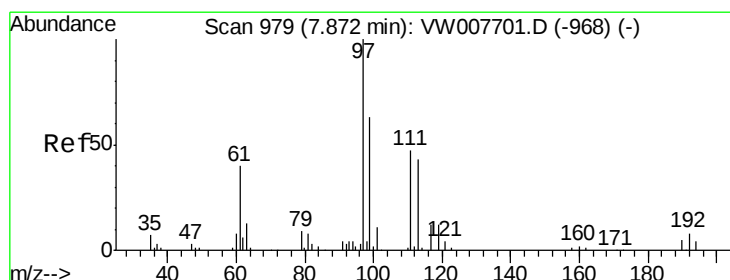
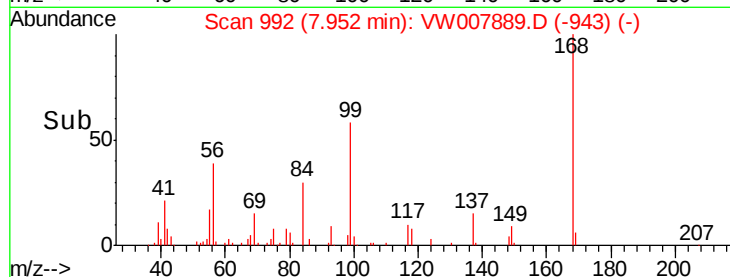
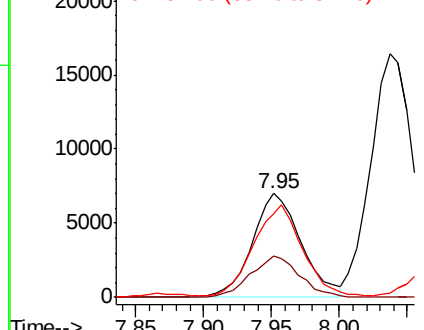
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 51.879 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

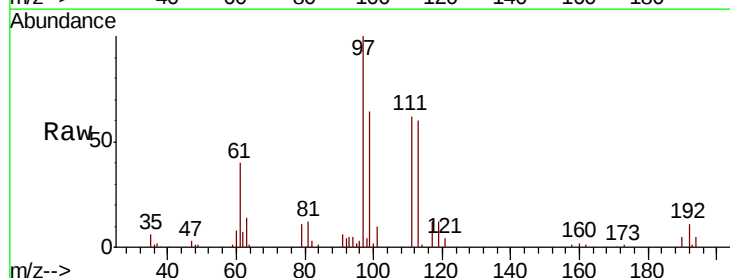
Tgt Ion: 97 Resp: 37202

Ion Ratio Lower Upper

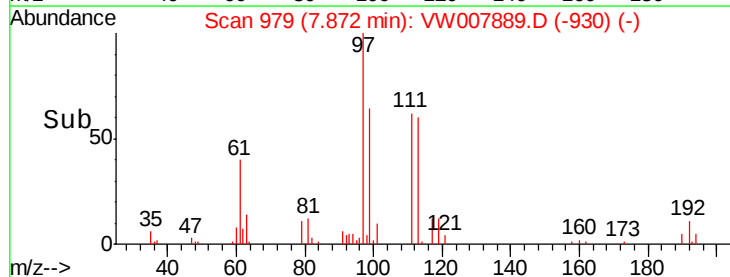
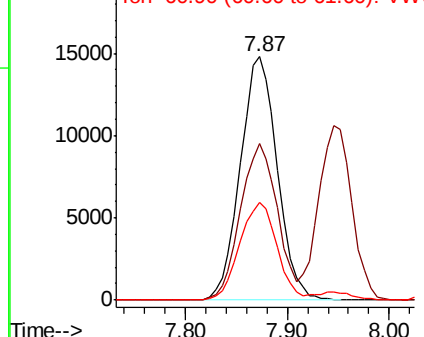
97 100

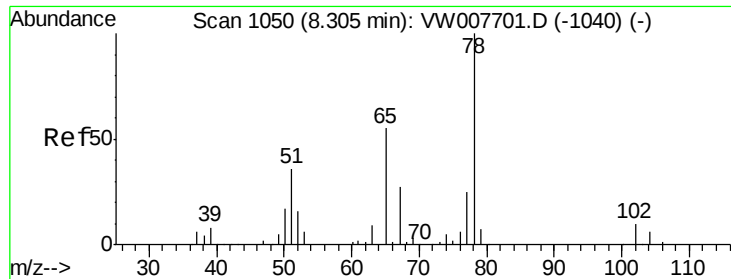
99 64.4 50.6 76.0

61 40.7 32.3 48.5



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





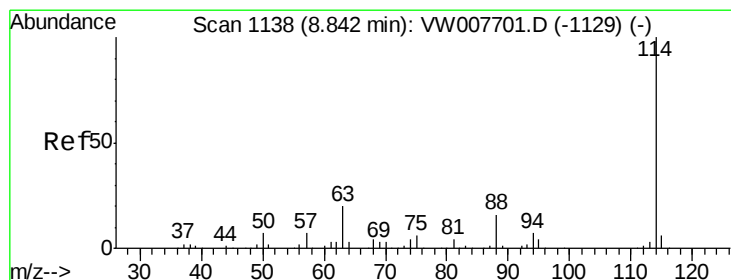
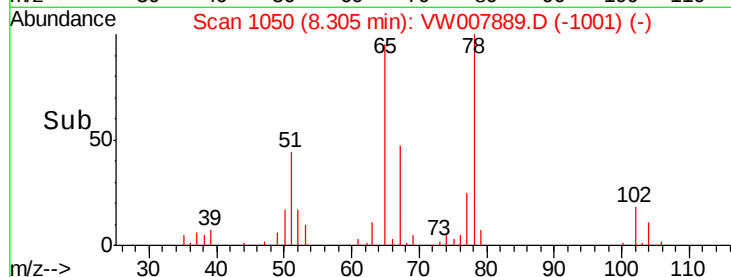
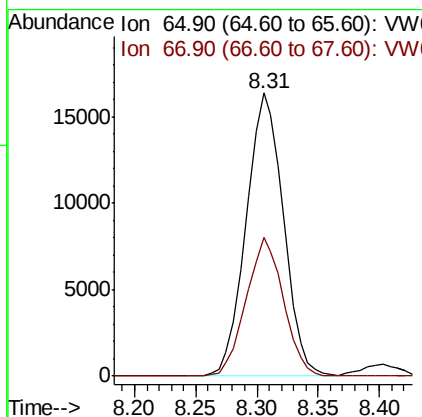
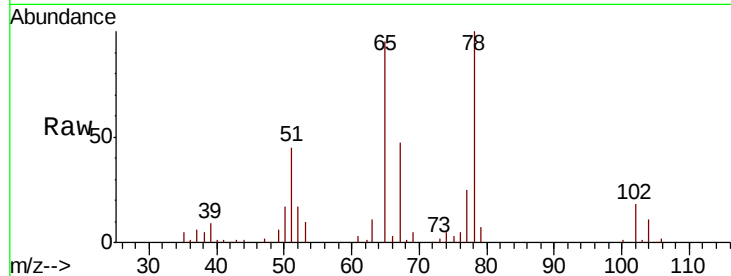
#33
 1,2-Dichloroethane-d4
 Concen: 81.127 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	34712		
67	49.0	0.0	100.6	

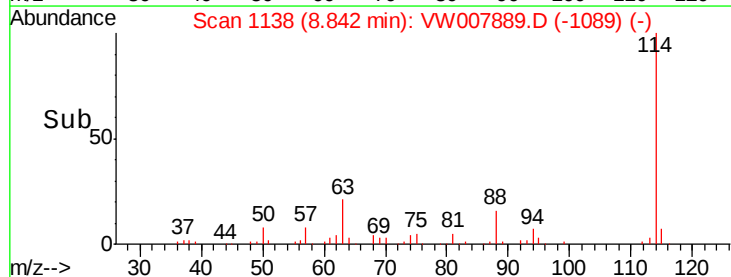
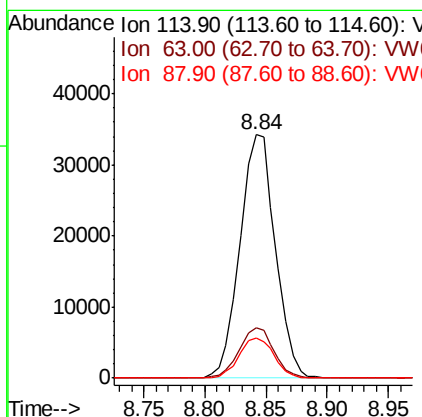
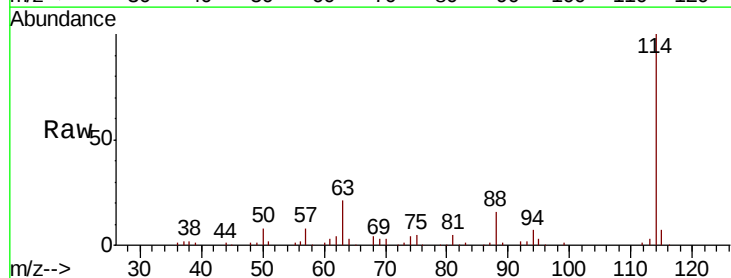
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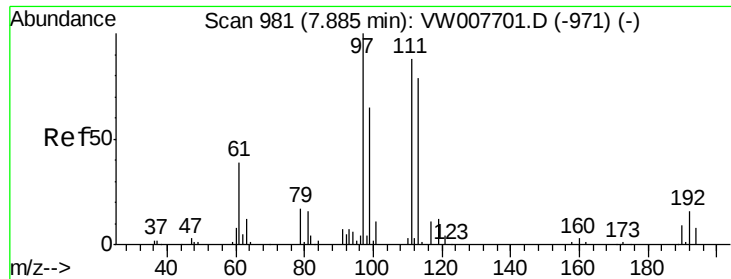
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	68782		
63	20.6	0.0	40.0	
88	16.3	0.0	32.6	





#35

Dibromofluoromethane

Concen: 68.791 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

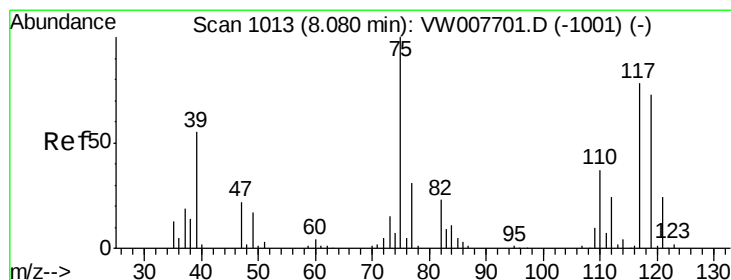
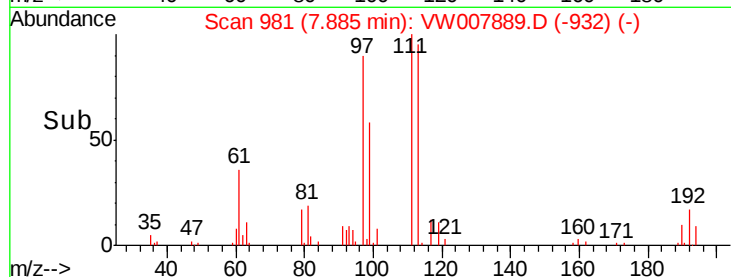
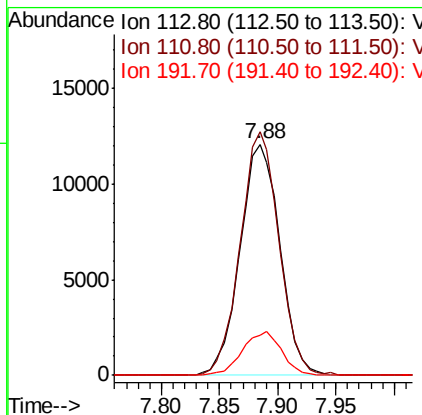
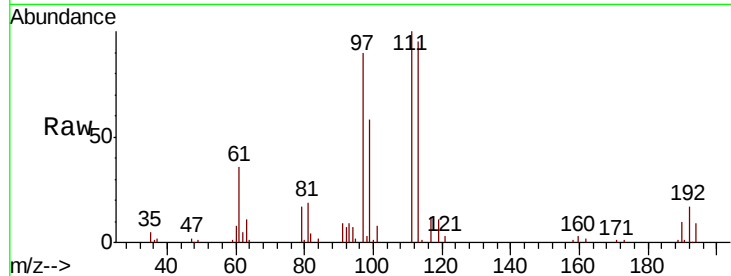
ClientSampleId :

P001-DS001-01MSD

Tot Ion:	113	Resp:	28865
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.6	124.0
192	18.4	15.5	23.3

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#36

1,1-Dichloropropene

Concen: 34.734 ug/l

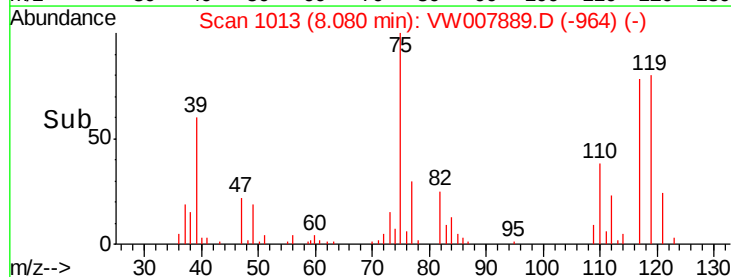
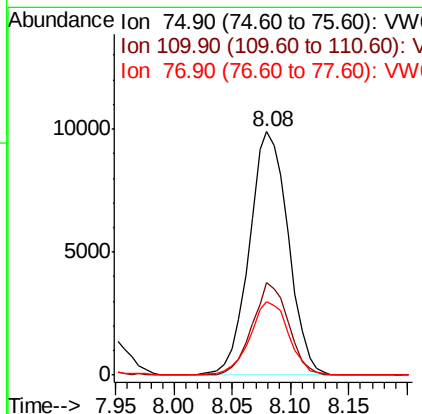
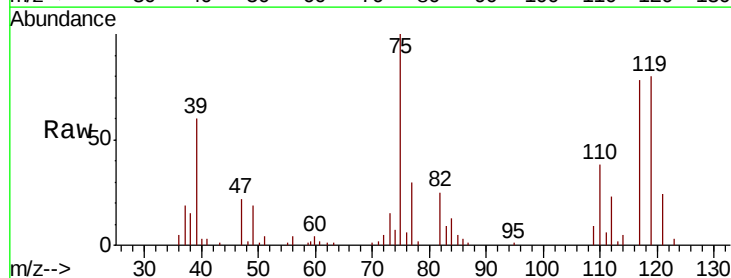
RT: 8.08 min Scan# 1013

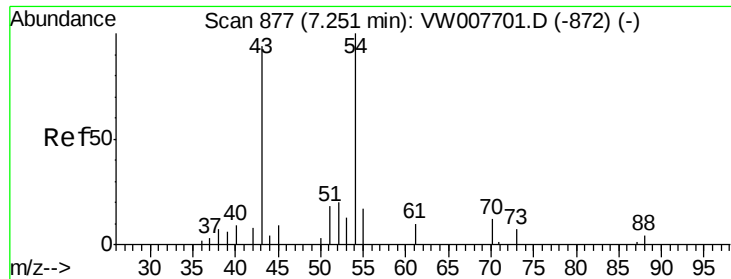
Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Tgt Ion:	75	Resp:	23059
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.6	55.8
77	30.2	25.0	37.4





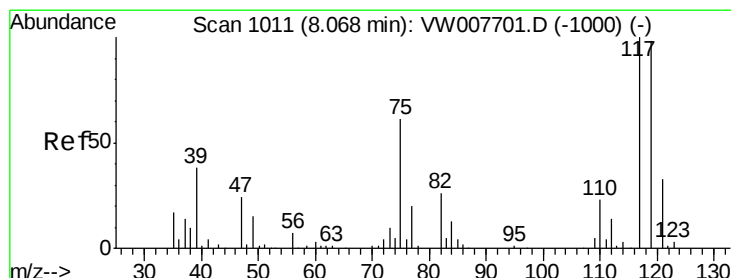
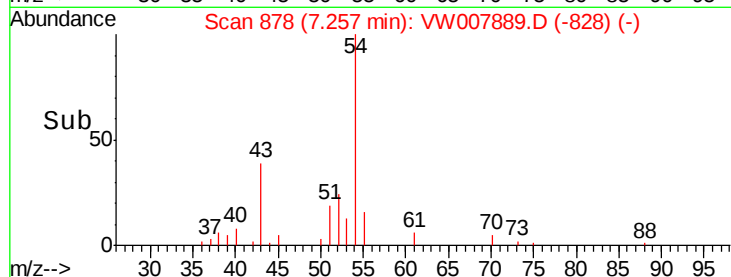
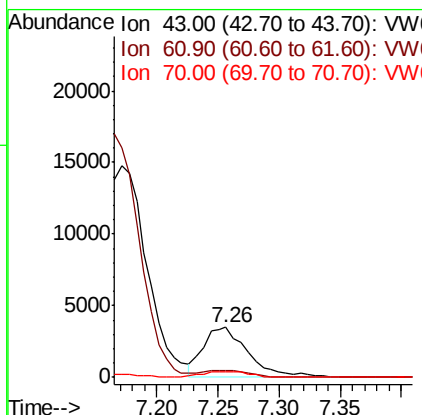
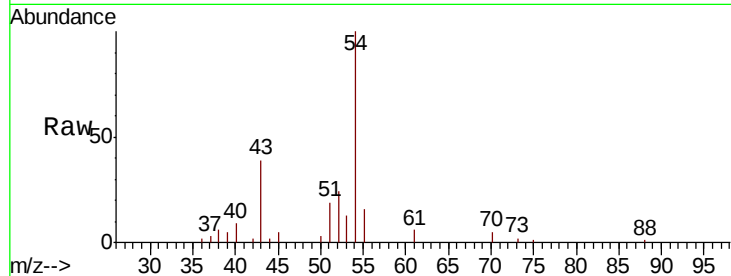
#37
Ethyl Acetate
Concen: 38.920 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	11.3	9.3	13.9

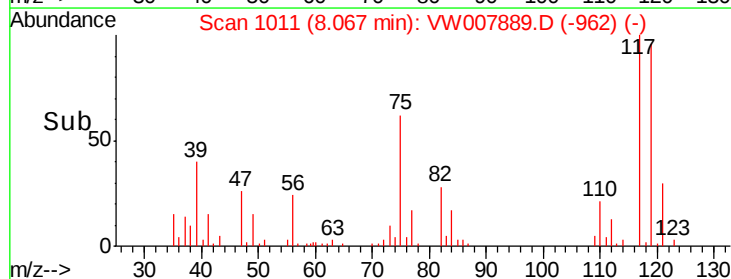
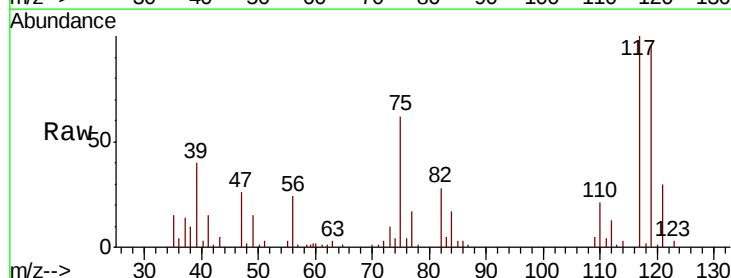
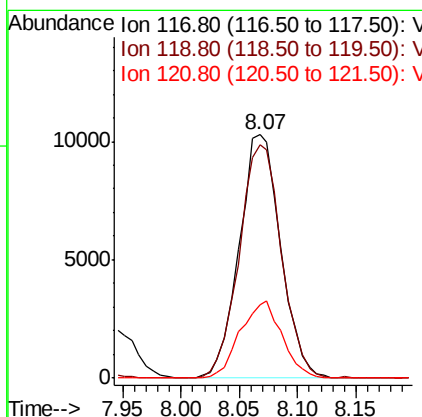
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#38
Carbon Tetrachloride
Concen: 32.632 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.2	117.2
121	30.0	26.1	39.1





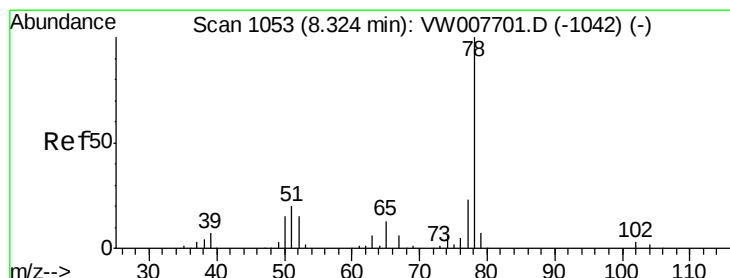
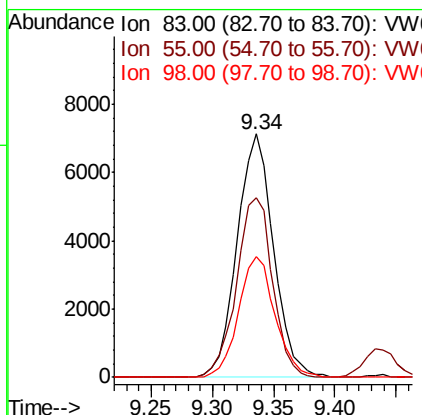
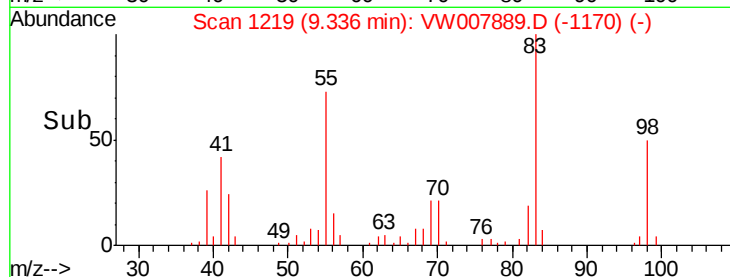
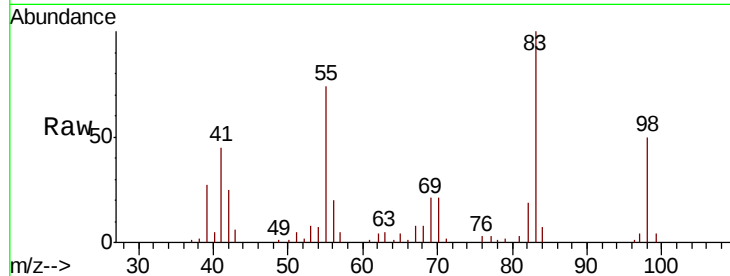
#39
Methvlcvclohexane
Concen: 17.848 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	83	Resp	14723
Ion Ratio	Lower	Upper	
83	100		
55	74.0	57.2	85.8
98	49.7	38.6	58.0

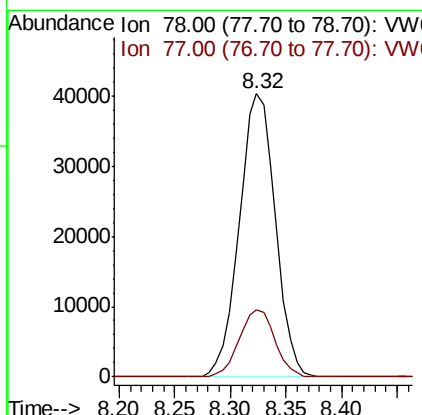
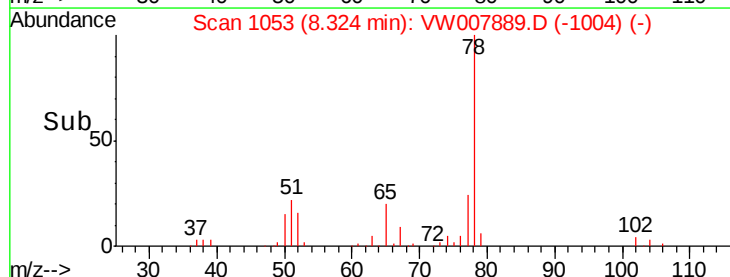
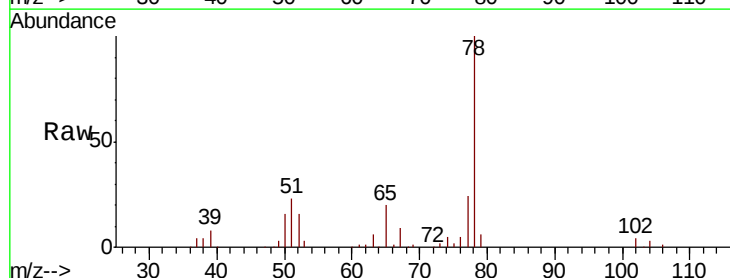
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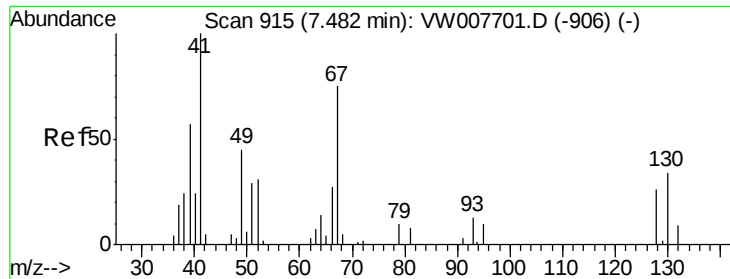
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#40
Benzene
Concen: 51.146 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	78	Resp	90606
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.7	28.1





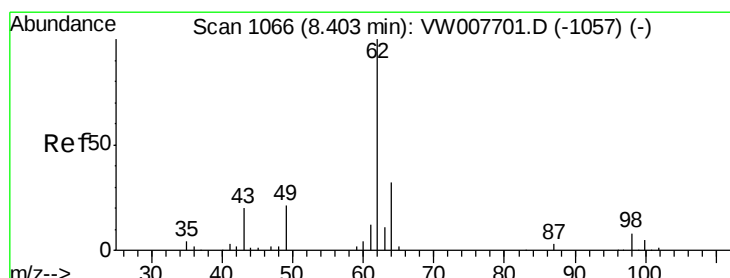
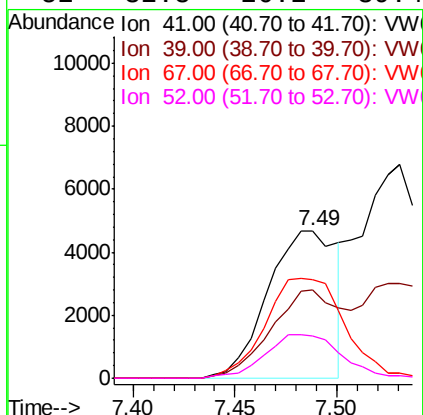
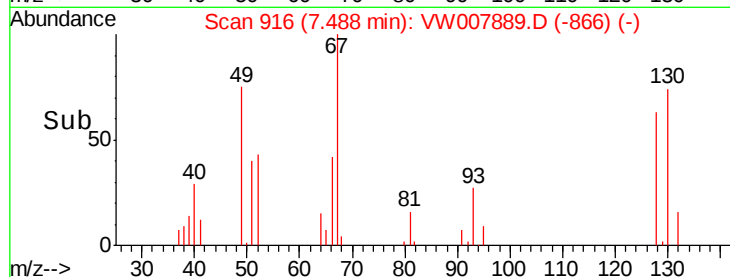
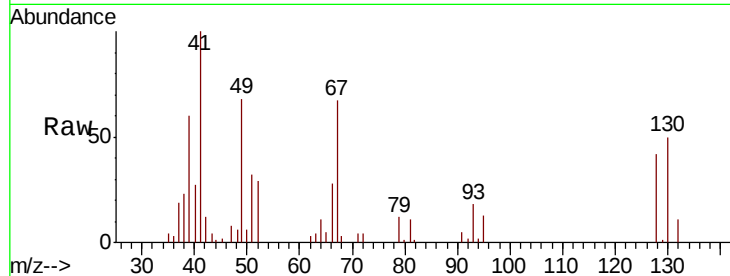
#41
Methacrylonitrile
Concen: 84.834 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		11035		
39	62.9	54.2	81.4		
67	77.4	65.7	98.5		
52	32.8	26.2	39.4		

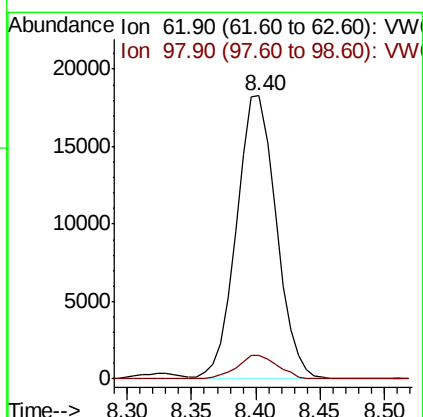
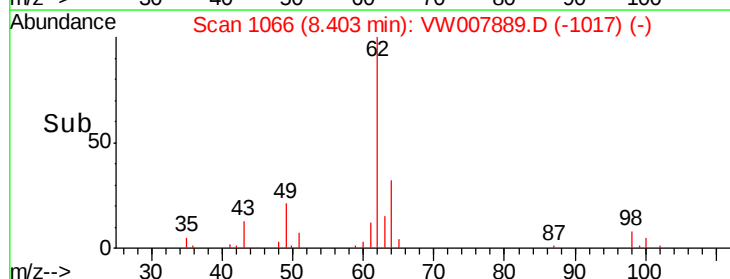
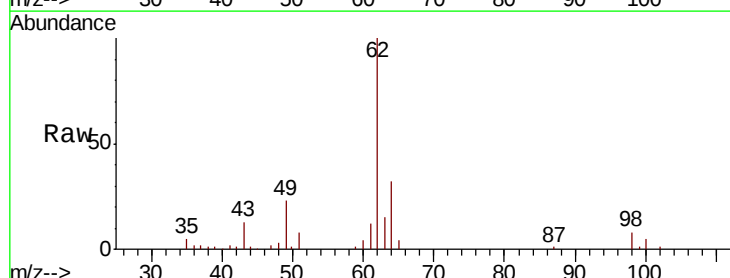
Manual Integrations
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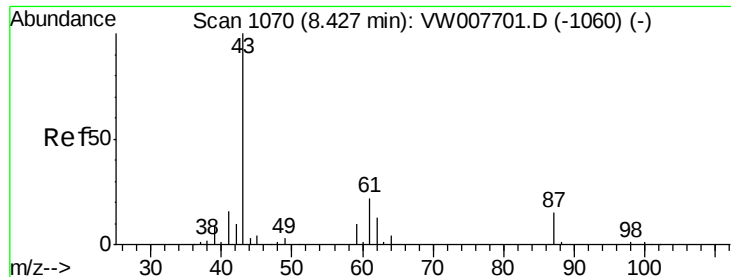
MMDadoda
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#42
1,2-Dichloroethane
Concen: 65.925 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		39138		
98	8.6	0.0	16.6		





#43

Isopropyl Acetate

Concen: 45.147 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

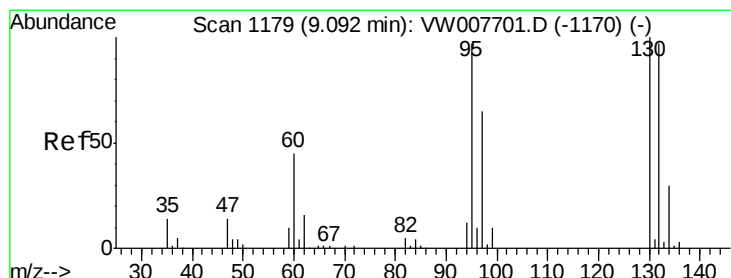
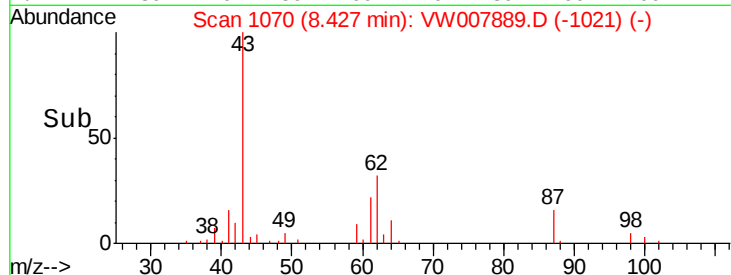
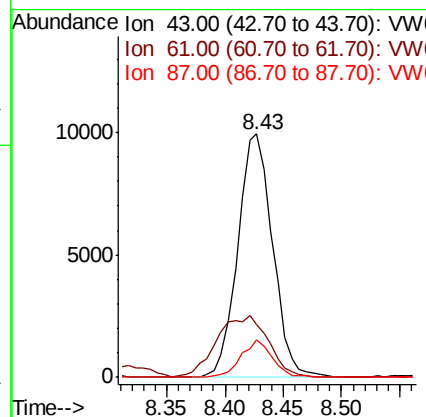
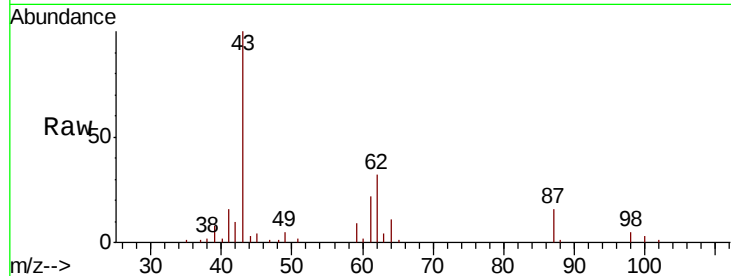
ClientSampleId :

P001-DS001-01MSD

Tot Ion:	43	Resp:	20723
Ion	Ratio	Lower	Upper
43	100		
61	37.5	26.3	39.5
87	14.0	12.0	18.0

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#44

Trichloroethene

Concen: 33.873 ug/l

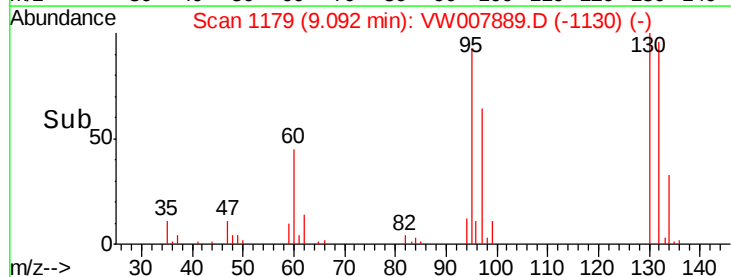
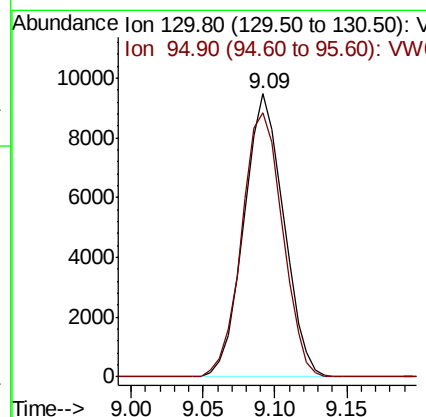
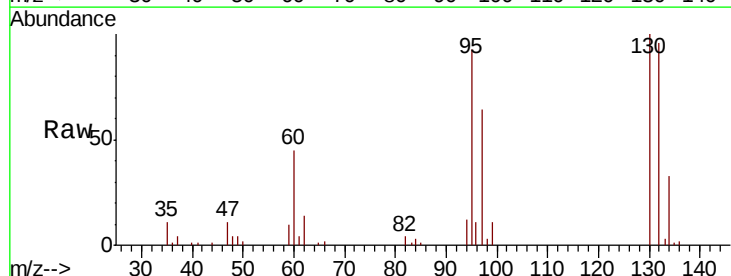
RT: 9.09 min Scan# 1179

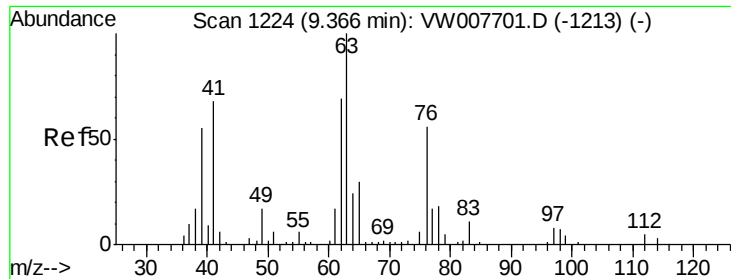
Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Tgt Ion:	130	Resp:	18147
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	194.8





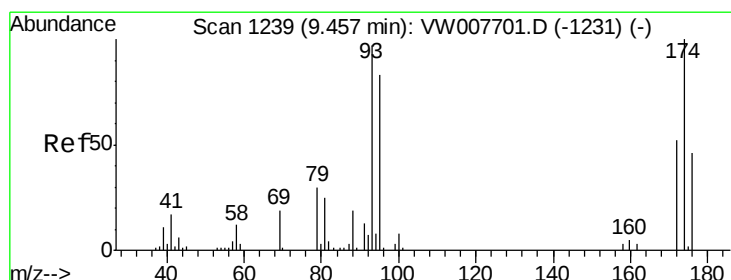
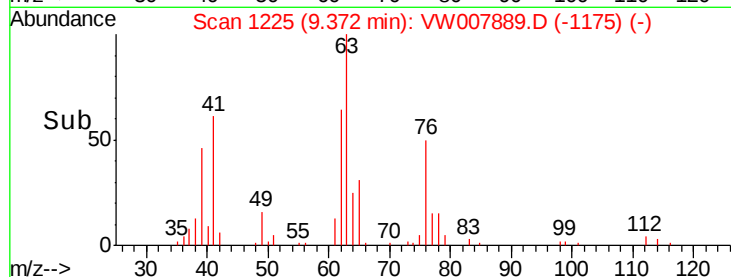
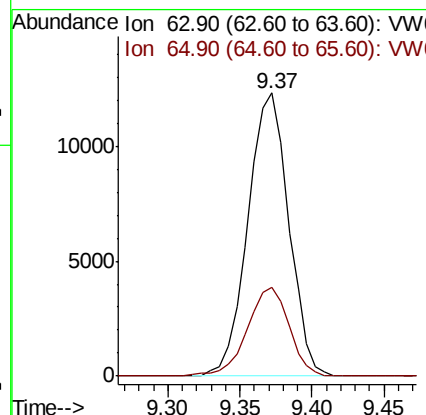
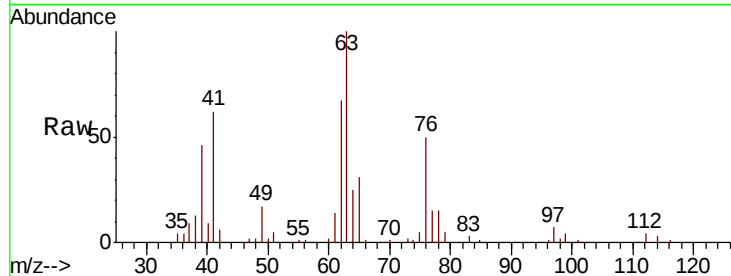
#45
 1,2-Dichloropropane
 Concen: 61.325 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MSD

Tot Ion: 63 Resp: 24106
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.8 35.8

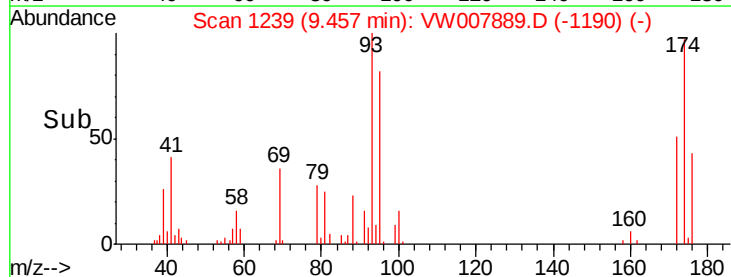
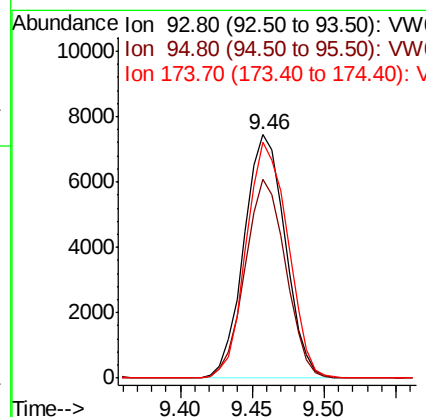
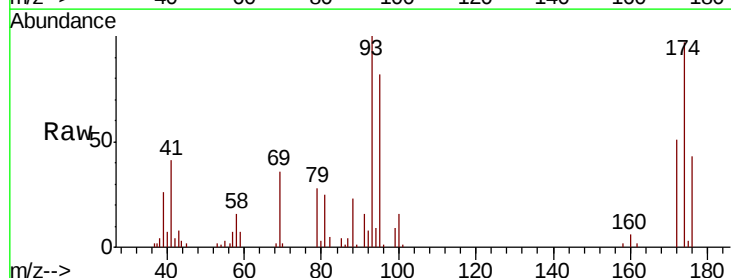
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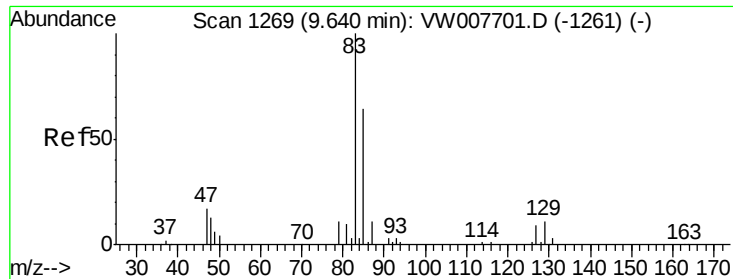
MMDadoda
 12/26/2018 4:38:59 PM



#46
 Dibromomethane
 Concen: 61.028 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Tgt Ion: 93 Resp: 14767
 Ion Ratio Lower Upper
 93 100
 95 80.2 67.5 101.3
 174 98.0 83.9 125.9





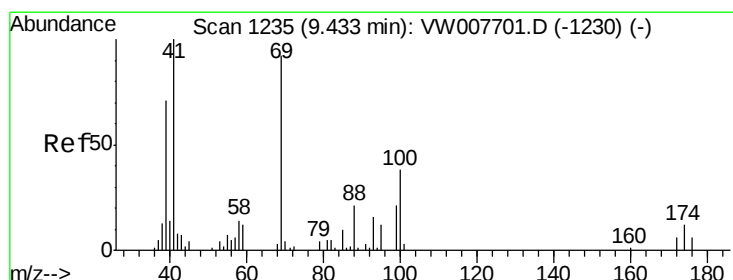
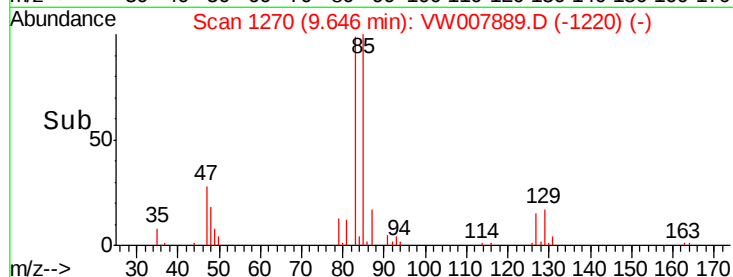
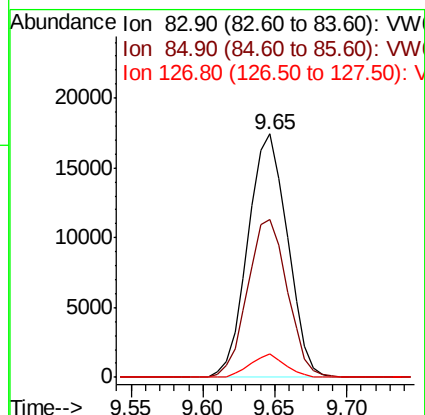
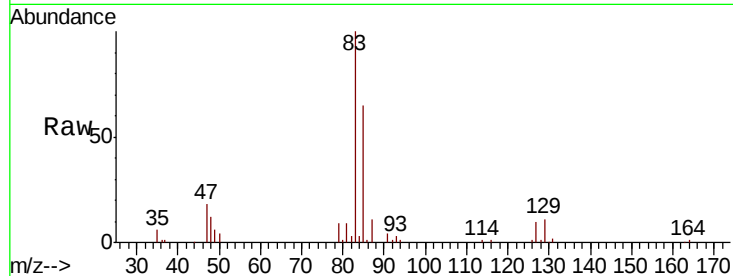
#47
Bromodichloromethane
Concen: 52.070 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.0		51.4	77.0
127	9.9		7.5	11.3

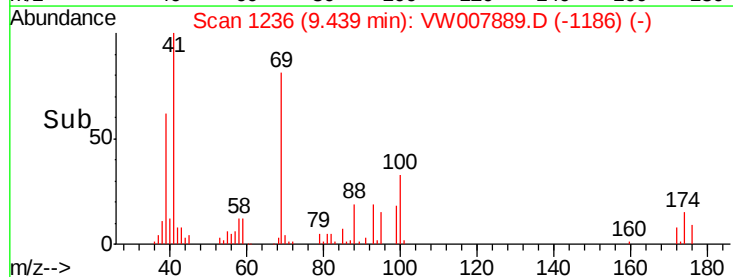
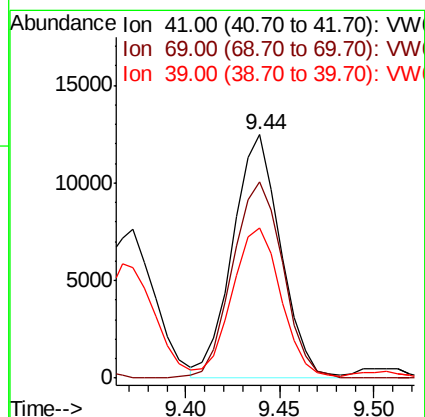
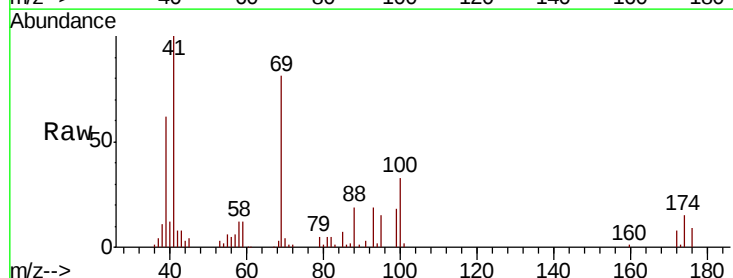
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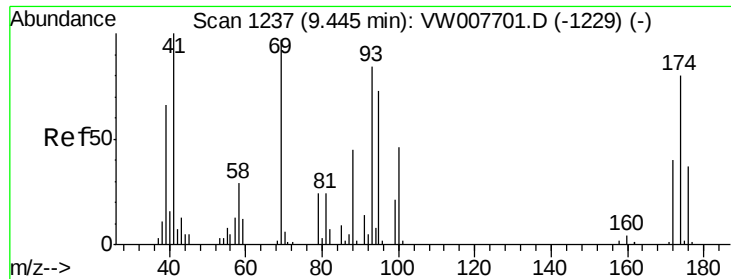
MMDadoda
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#48
Methyl methacrylate
Concen: 96.243 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	84.4		74.2	111.2
39	63.5		53.9	80.9





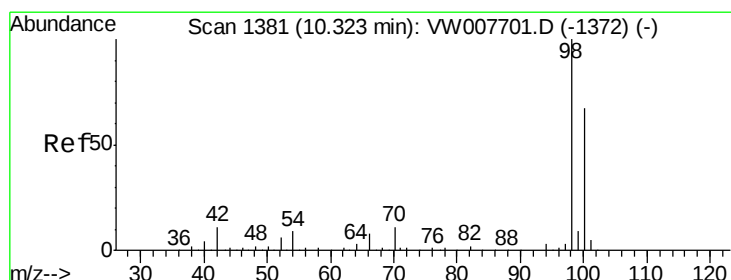
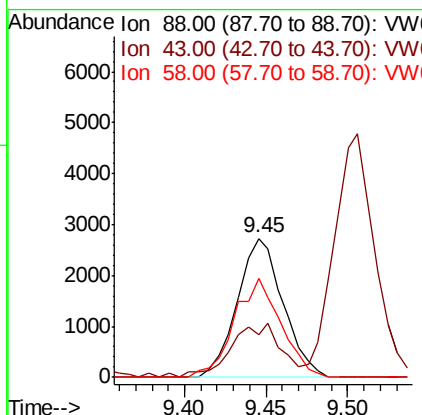
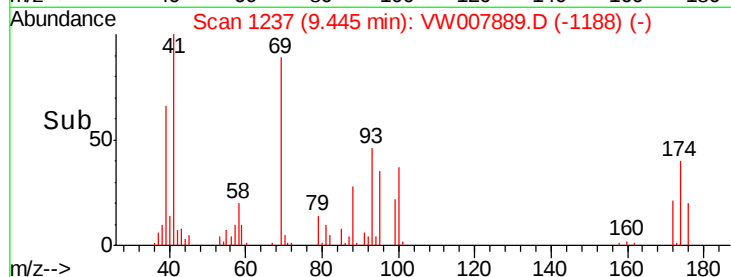
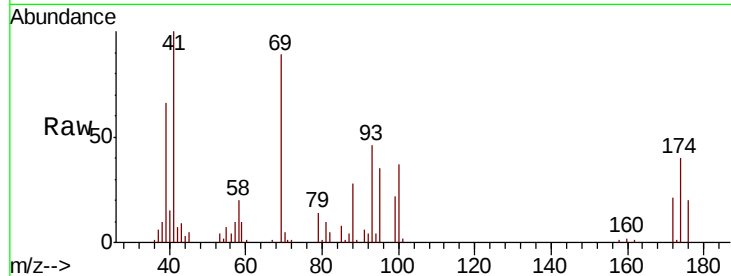
#49
1,4-Dioxane
Concen: 1386.993 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	25.6	38.4#
58	72.7	52.3	78.5

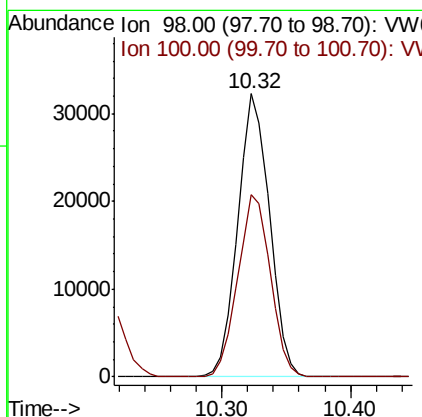
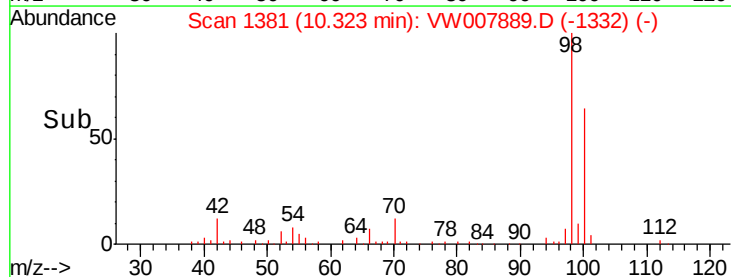
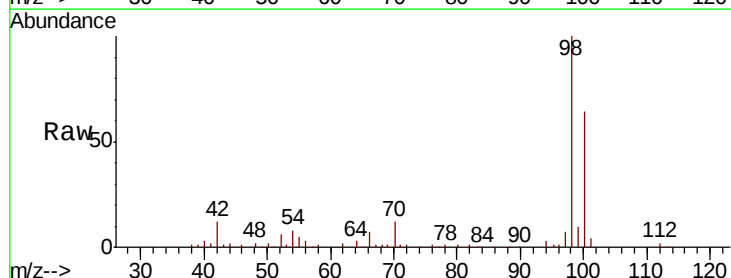
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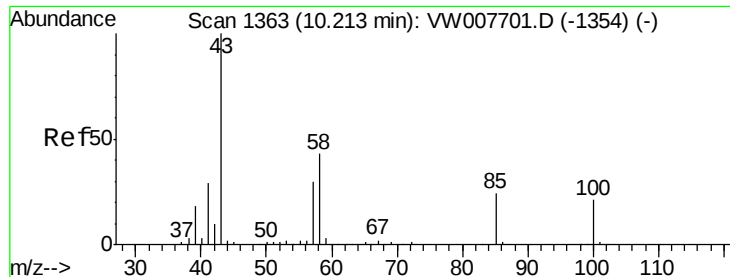
MMDadoda
12/26/2018 4:38:59 PM



#50
Toluene-d8
Concen: 34.855 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 387.197 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 43 Resp: 83994

Ion Ratio Lower Upper

43 100

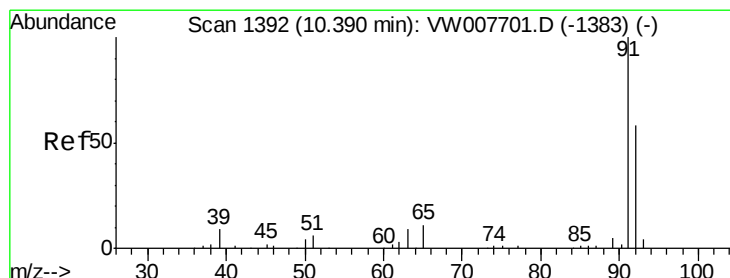
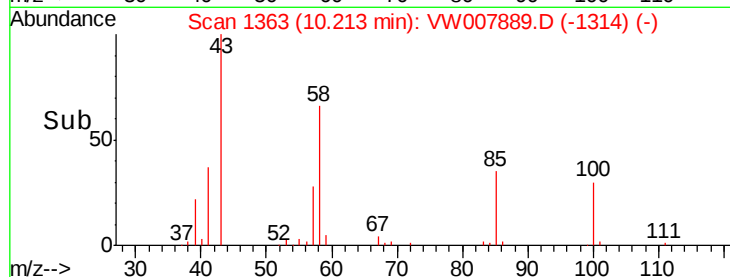
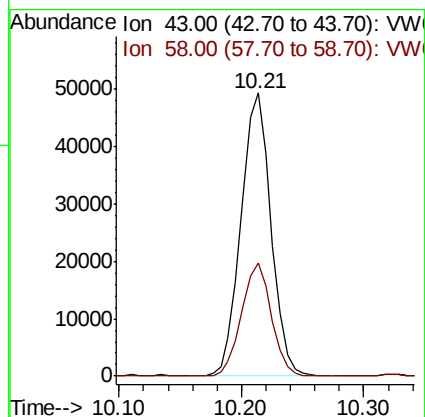
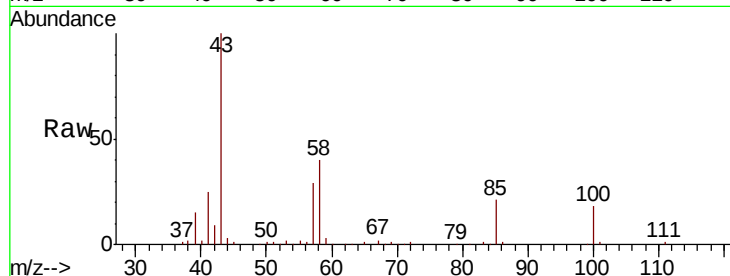
58 39.5 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 33.857 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007889.D

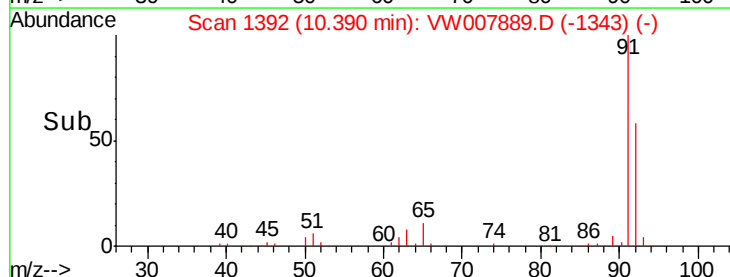
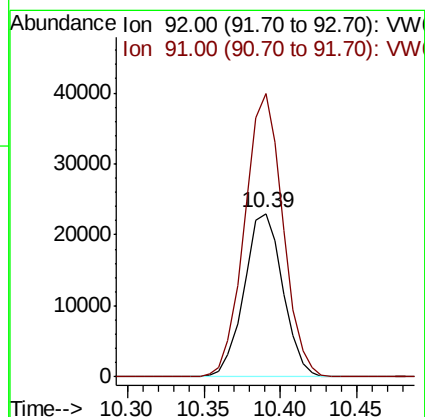
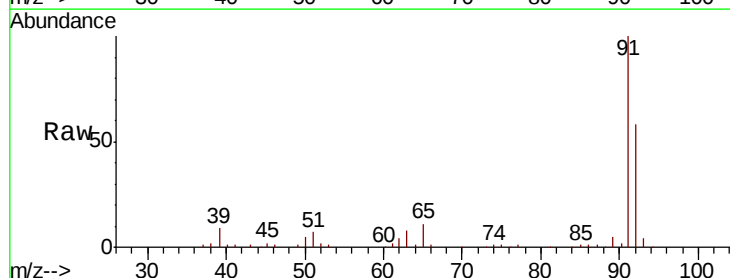
Acq: 24 Dec 2018 15:25

Tgt Ion: 92 Resp: 40242

Ion Ratio Lower Upper

92 100

91 172.3 137.0 205.4





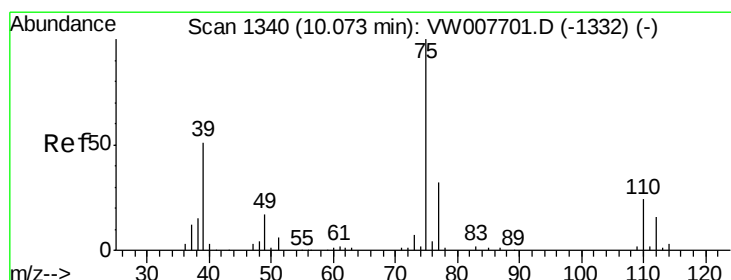
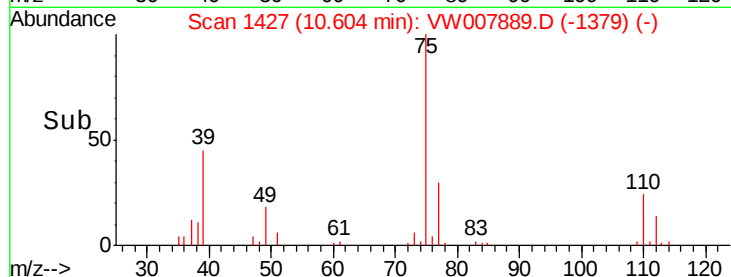
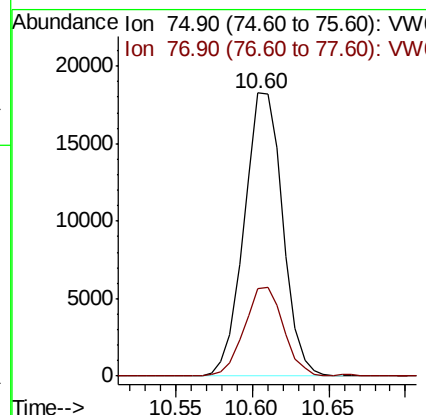
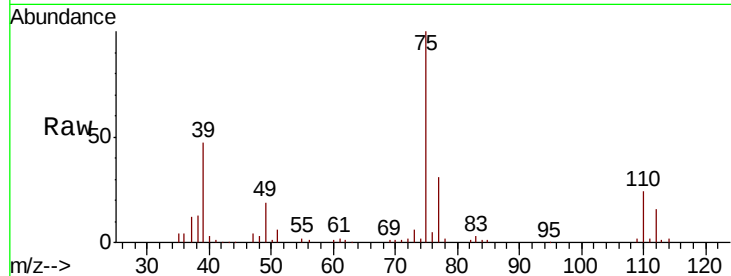
#53
t-1,3-Dichloropropene
Concen: 50.464 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion: 75 Resp: 31930
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8

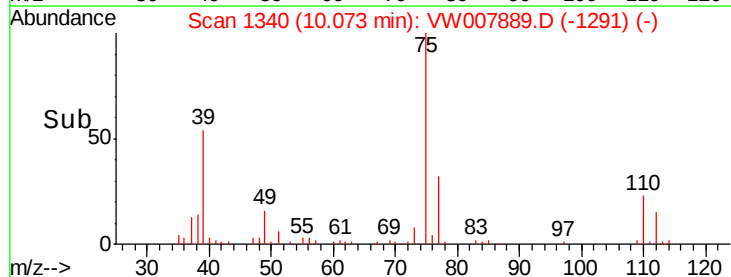
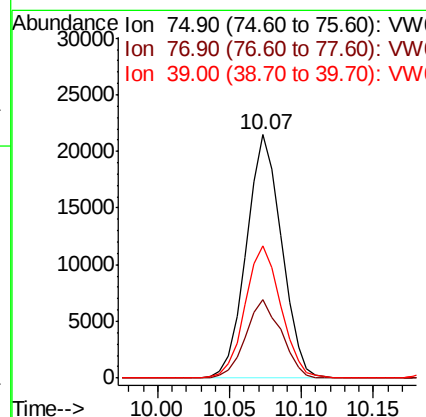
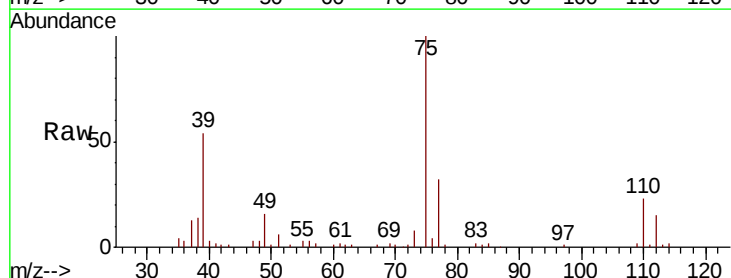
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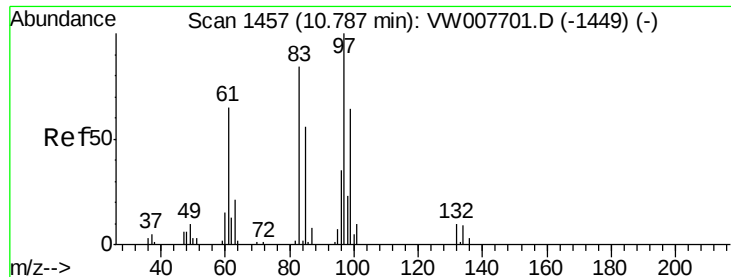
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#54
cis-1,3-Dichloropropene
Concen: 51.947 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion: 75 Resp: 36306
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3
39 54.4 41.2 61.8





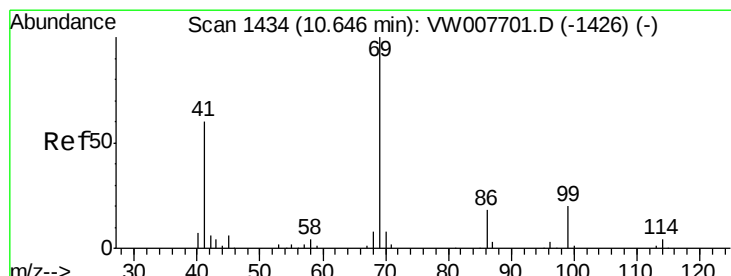
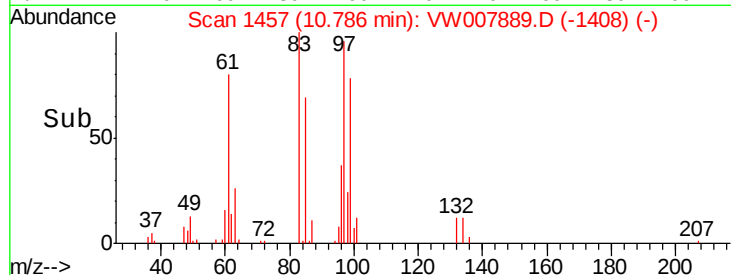
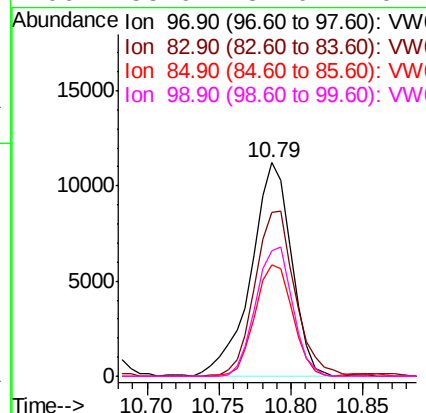
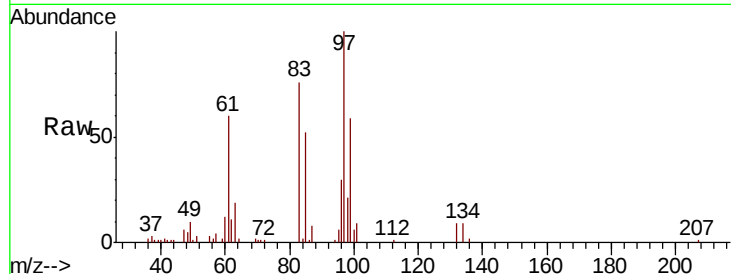
#55
 1,1,2-Trichloroethane
 Concen: 65.310 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MSD

Tot Ion:	97	Resp:	21786
Ion	Ratio	Lower	Upper
97	100		
83	76.5	67.5	101.3
85	51.9	44.8	67.2
99	58.9	51.0	76.4

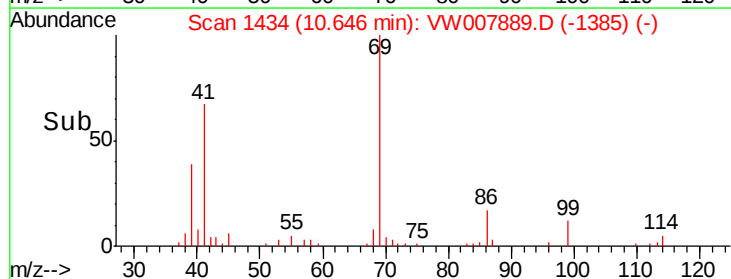
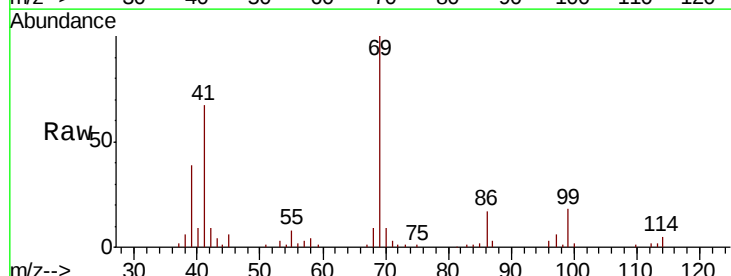
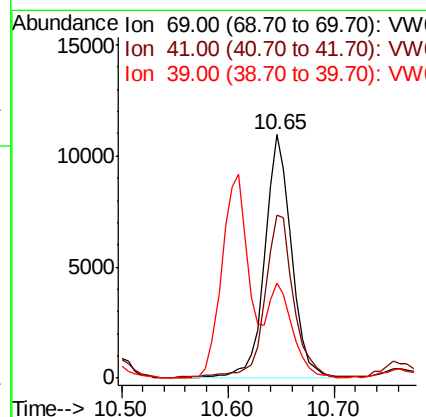
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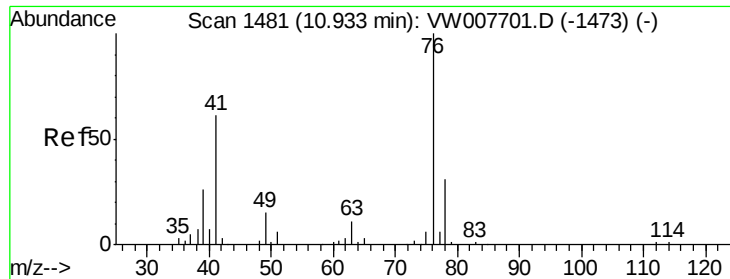
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#56
 Ethyl methacrylate
 Concen: 48.977 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Tgt Ion:	69	Resp:	19303
Ion	Ratio	Lower	Upper
69	100		
41	73.1	48.9	73.3
39	33.7	31.3	46.9





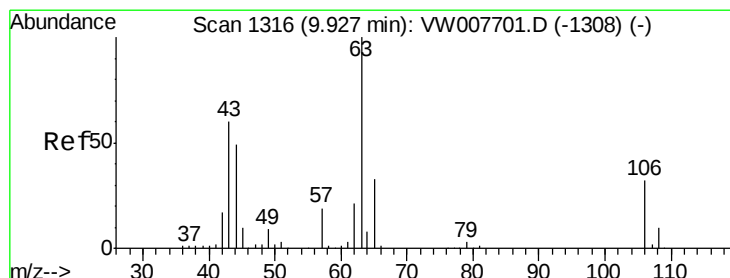
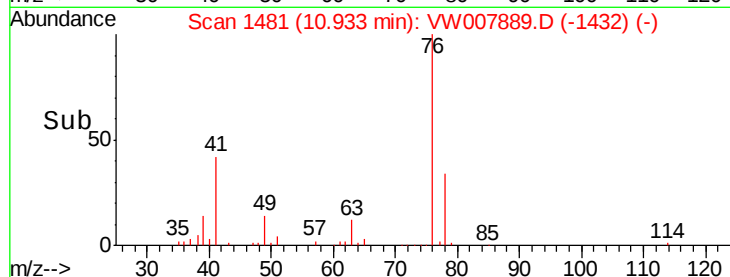
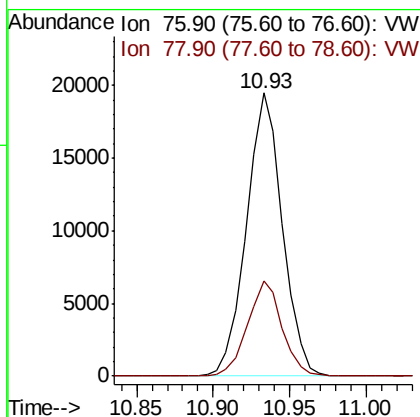
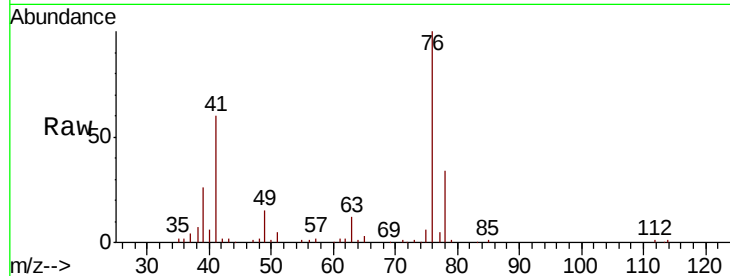
#57
 1,3-Dichloropropane
 Concen: 57.190 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MSD

Tot Ion: 76 Resp: 31679
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

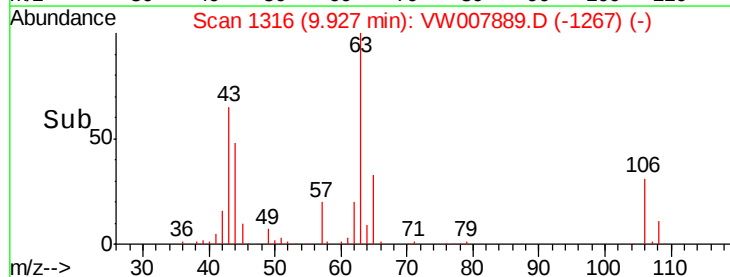
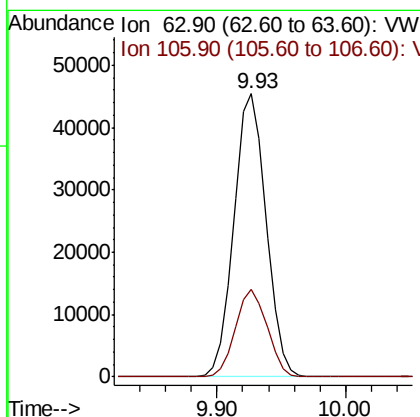
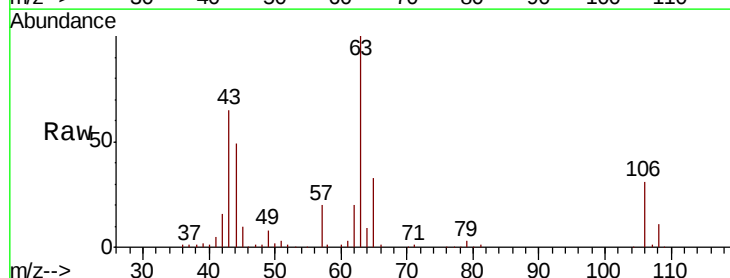
Manual Integrations
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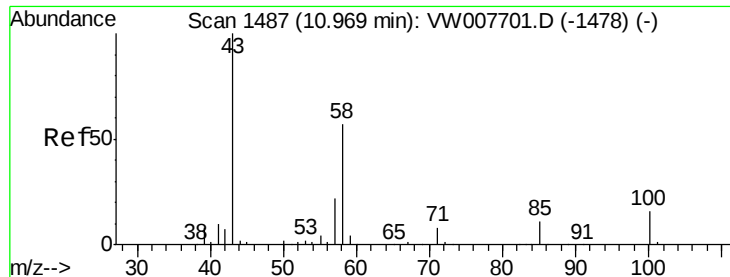
MMDadoda
 12/26/2018 4:38:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 438.017 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Tgt Ion: 63 Resp: 78820
 Ion Ratio Lower Upper
 63 100
 106 30.4 25.9 38.9





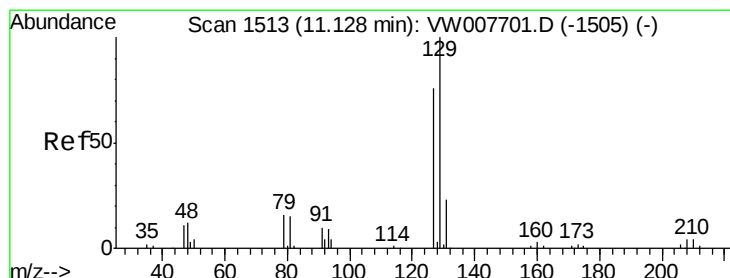
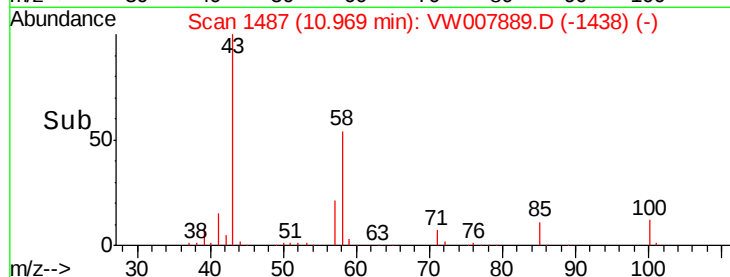
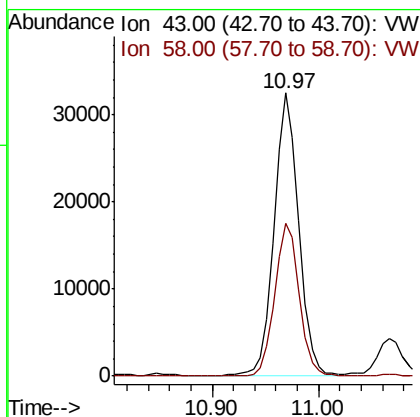
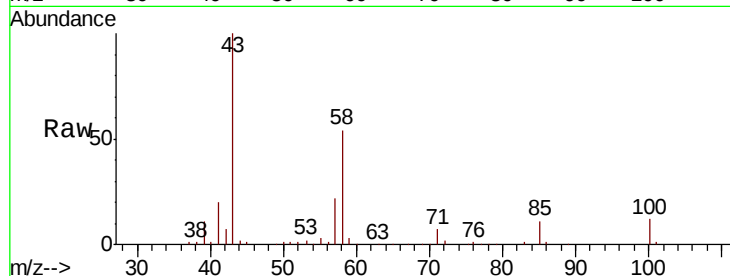
#59
2-Hexanone
Concen: 342.989 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion: 43 Resp: 52326
Ion Ratio Lower Upper
43 100
58 53.4 27.7 83.1

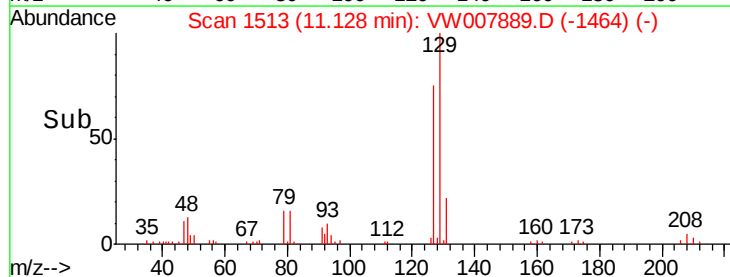
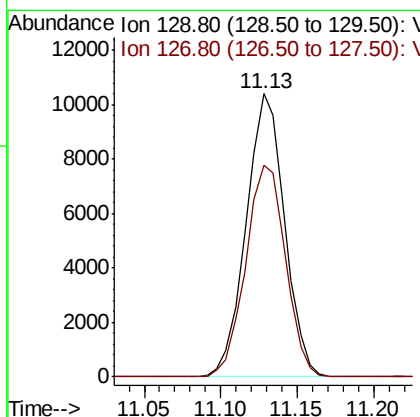
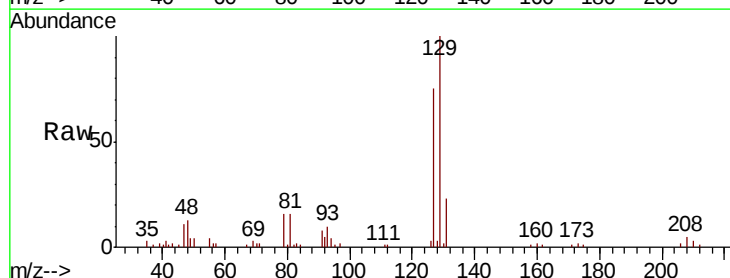
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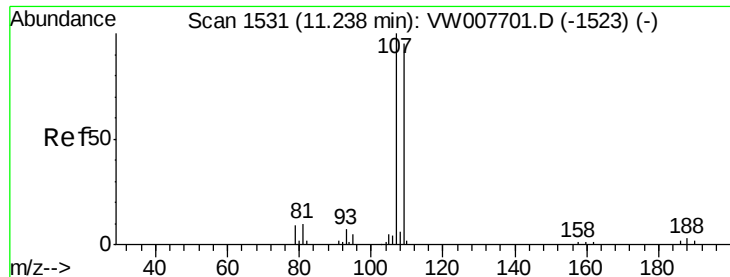
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#60
Dibromochloromethane
Concen: 41.159 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion:129 Resp: 18179
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9





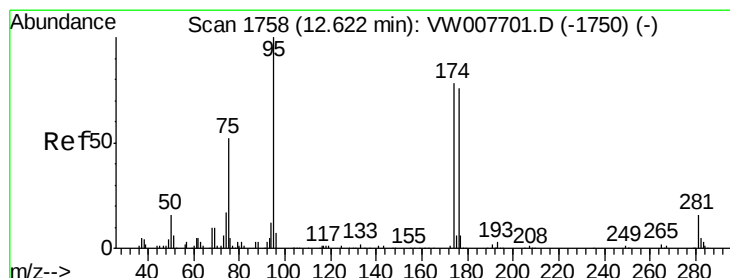
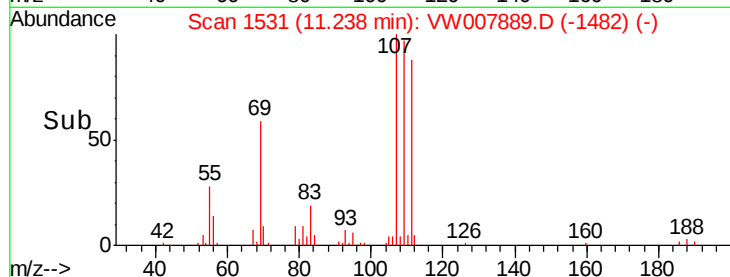
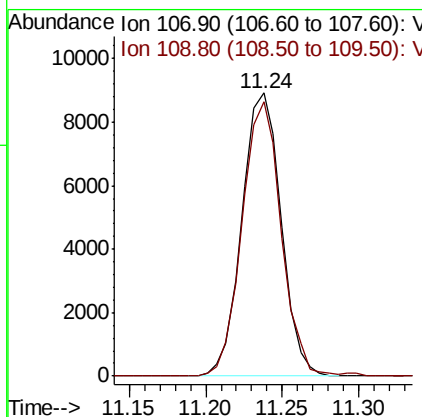
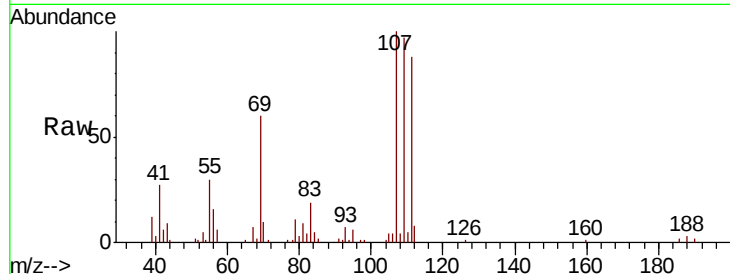
#61
 1,2-Dibromoethane
 Concen: 46.959 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MSD

Tot Ion: 107 Resp: 15863
 Ion Ratio Lower Upper
 107 100
 109 97.2 75.4 113.0

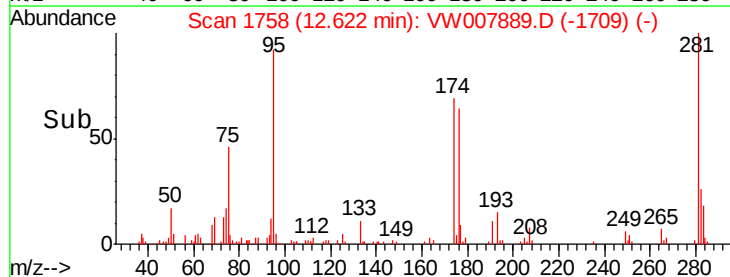
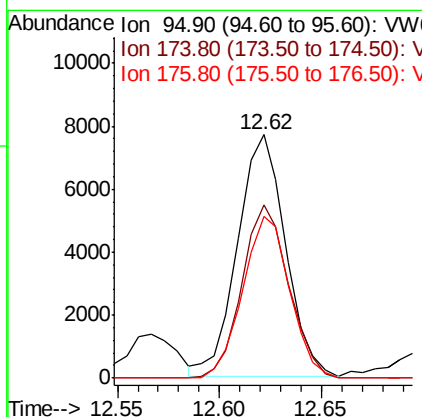
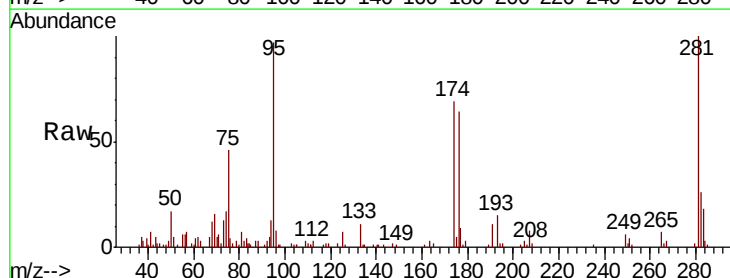
Manual Integrations
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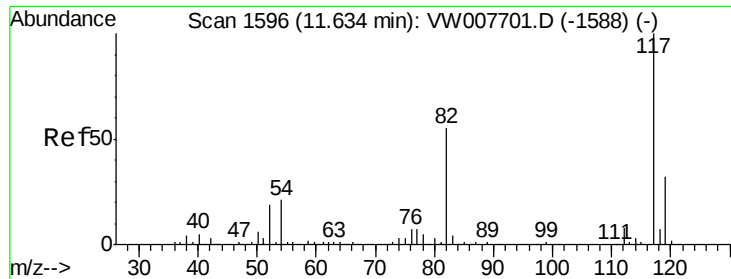
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#62
 4-Bromofluorobenzene
 Concen: 20.474 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Tgt Ion: 95 Resp: 12512
 Ion Ratio Lower Upper
 95 100
 174 69.9 0.0 152.2
 176 65.5 0.0 146.8





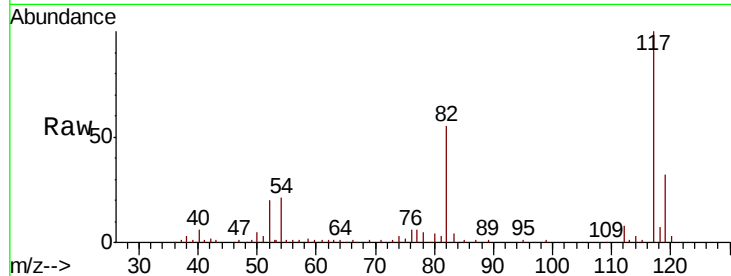
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.3	66.5
119	32.4	25.7	38.5

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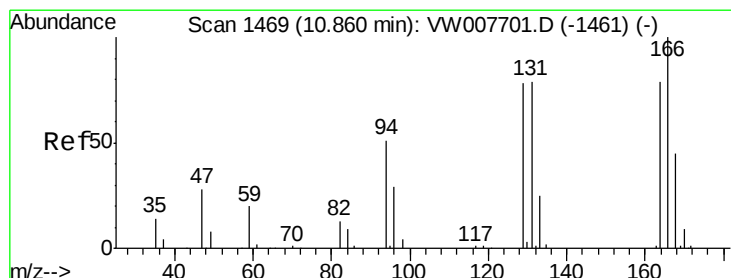
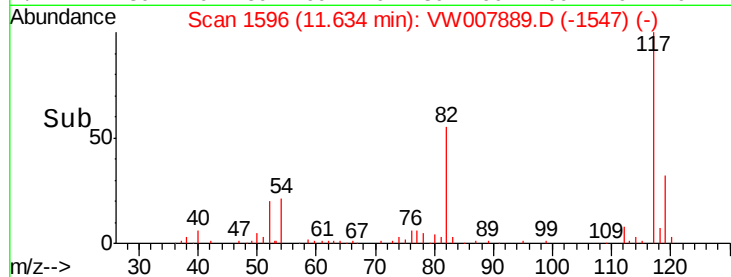
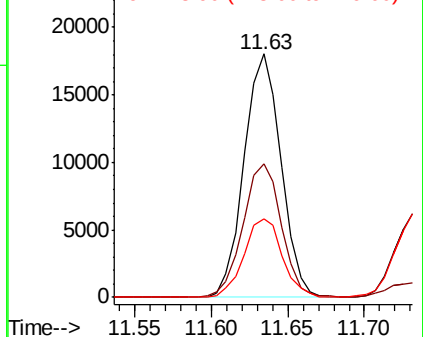


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 33.688 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	101.0	151.6
129	100.5	78.7	118.1
131	95.4	79.4	119.0

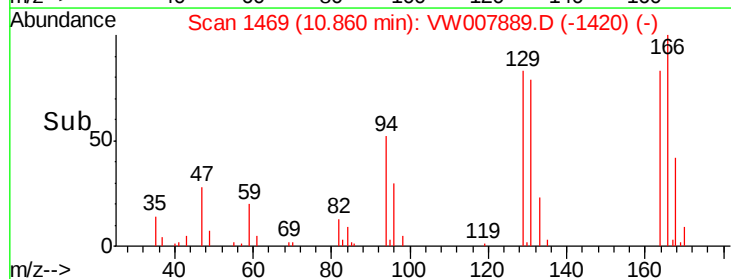
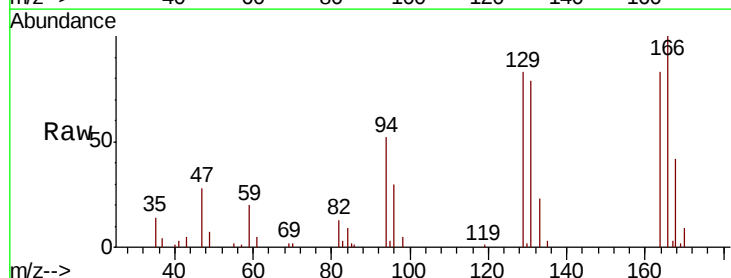
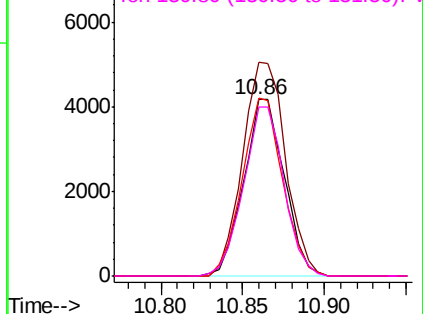
Abundance

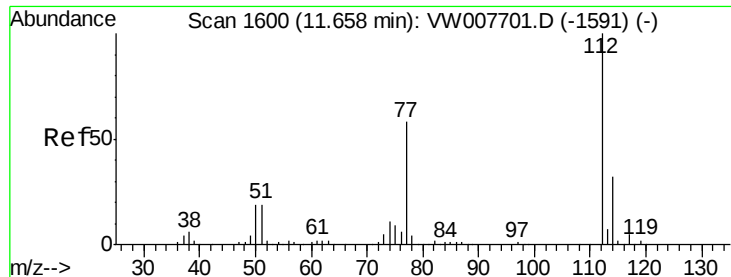
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





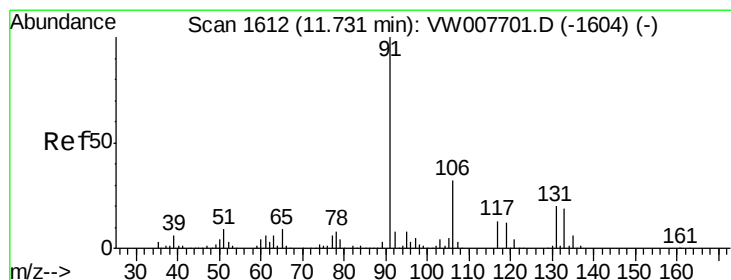
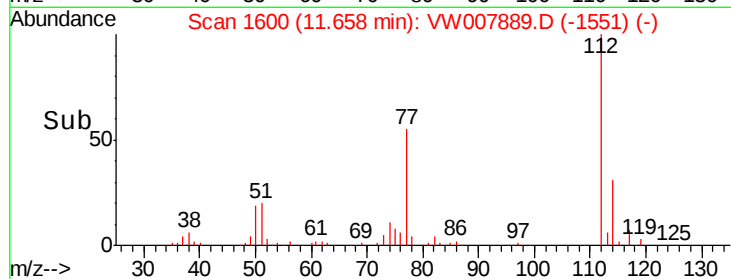
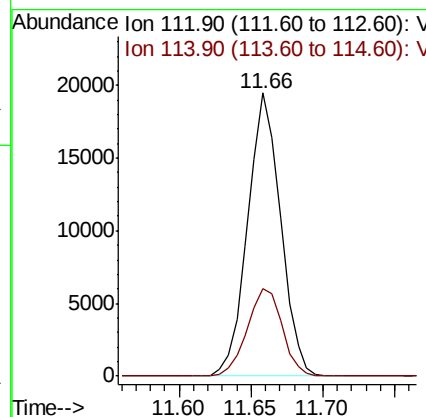
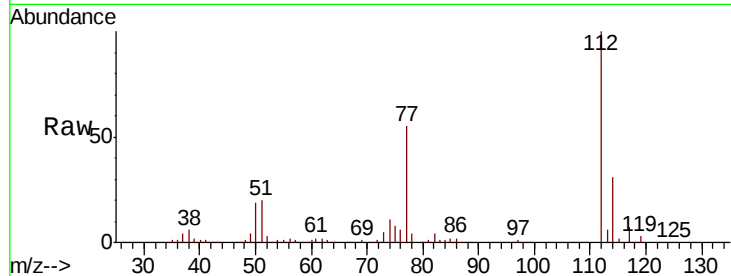
#65
Chlorobenzene
Concen: 47.146 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion:112 Resp: 30850
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8

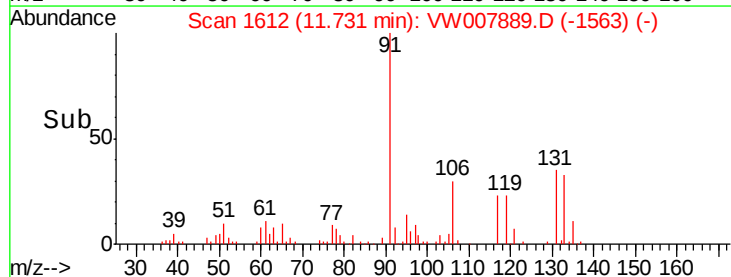
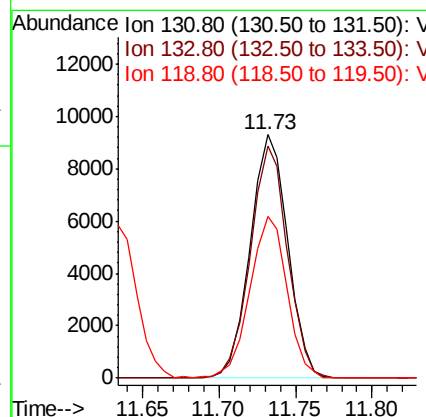
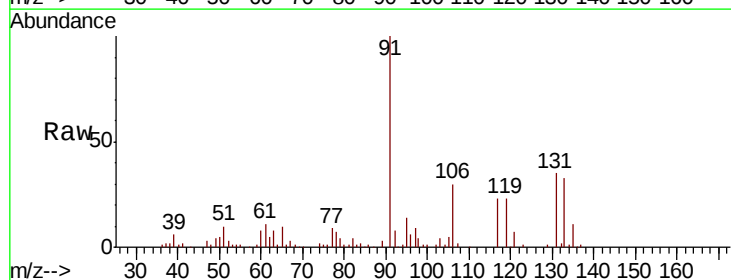
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#66
1,1,1,2-Tetrachloroethane
Concen: 67.799 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion:131 Resp: 15852
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.5
119 65.8 30.2 90.6





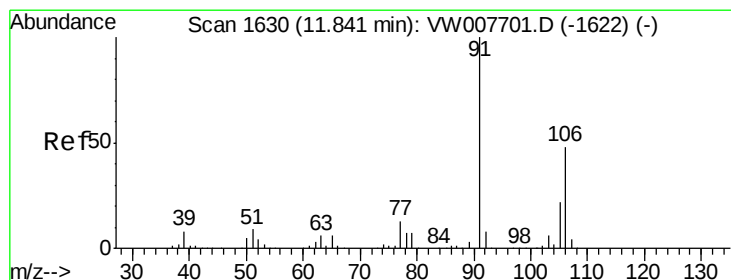
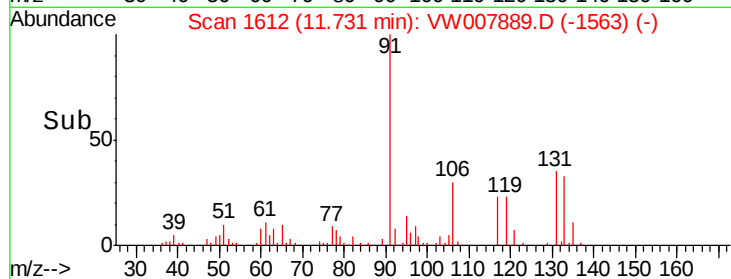
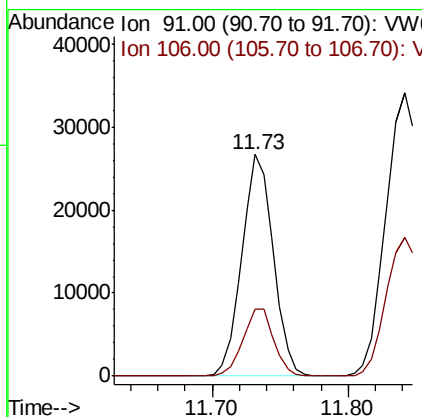
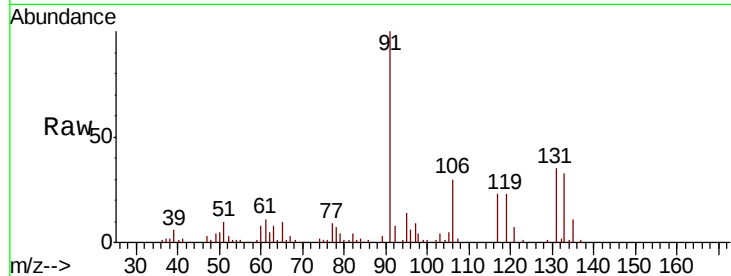
#67
Ethyl Benzene
Concen: 38.465 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	91	Resp	43191
Ion Ratio	100	Lower	Upper
91	100		
106	30.1	25.8	38.8

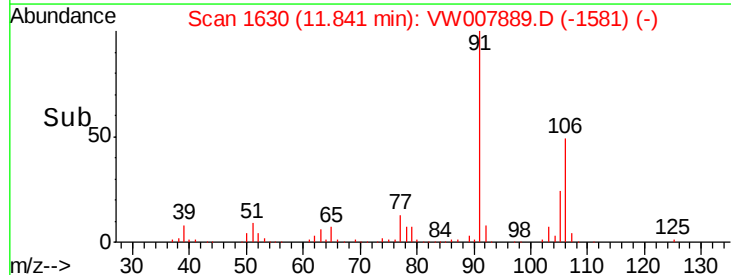
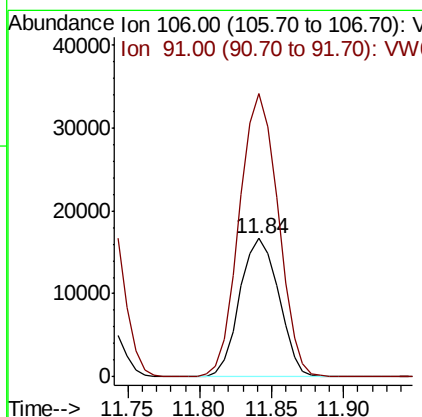
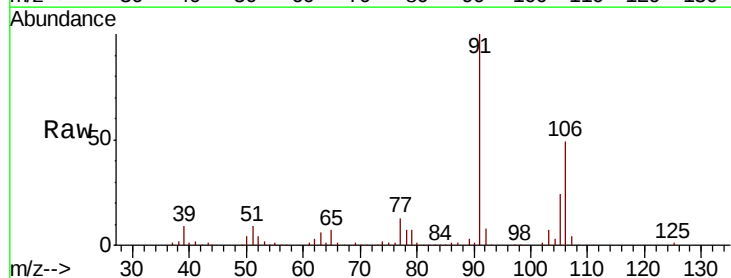
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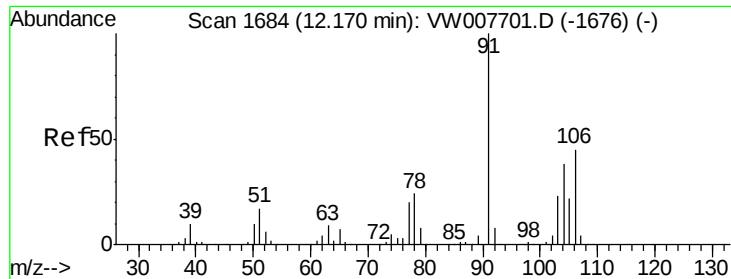
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#68
m/p-Xylenes
Concen: 72.357 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	106	Resp	31517
Ion Ratio	100	Lower	Upper
106	100		
91	203.7	165.2	247.8





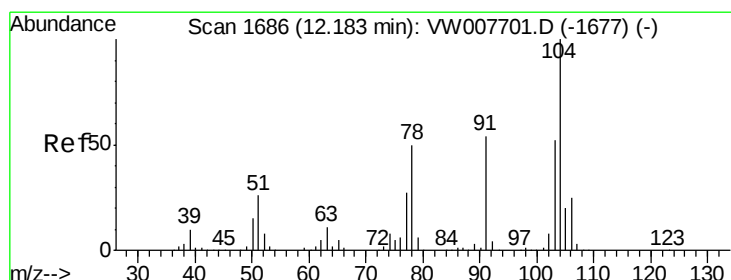
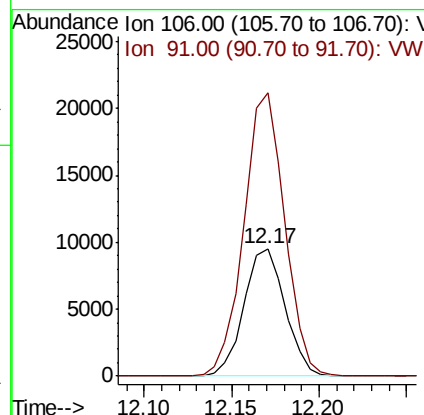
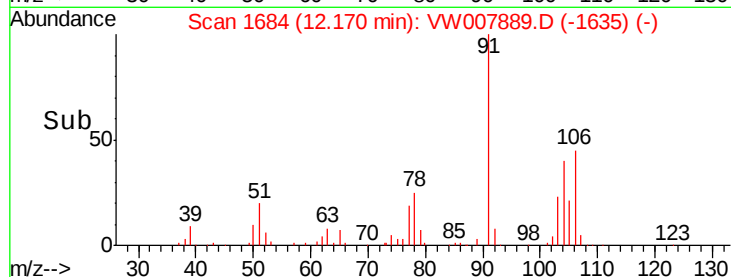
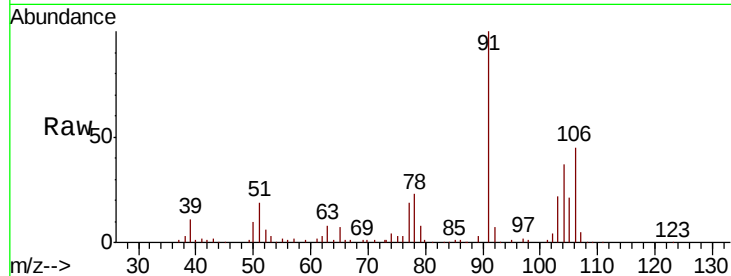
#69
o-Xylene
Concen: 38.097 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion:106 Resp: 15555
Ion Ratio Lower Upper
106 100
91 220.9 110.5 331.4

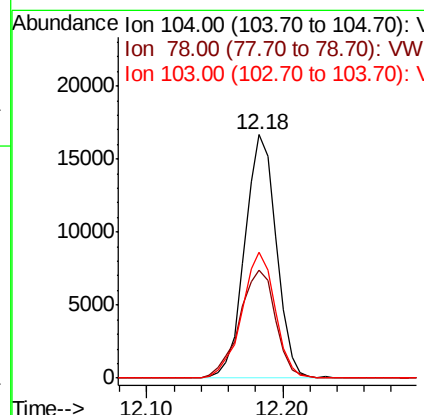
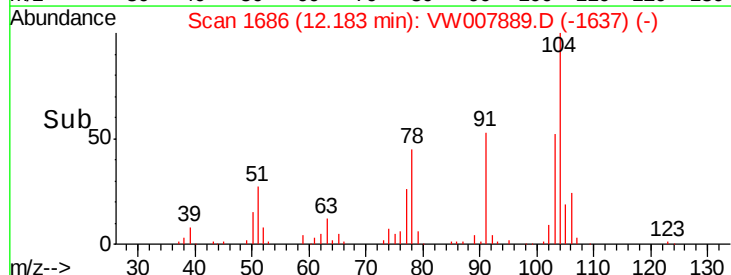
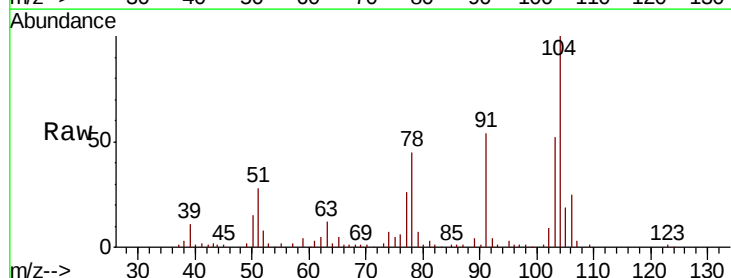
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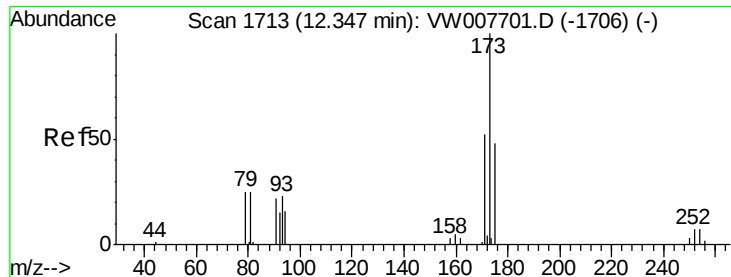
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#70
Styrene
Concen: 40.317 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion:104 Resp: 27059
Ion Ratio Lower Upper
104 100
78 50.6 43.4 65.0
103 54.3 44.5 66.7





#71

Bromoform

Concen: 65.614 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

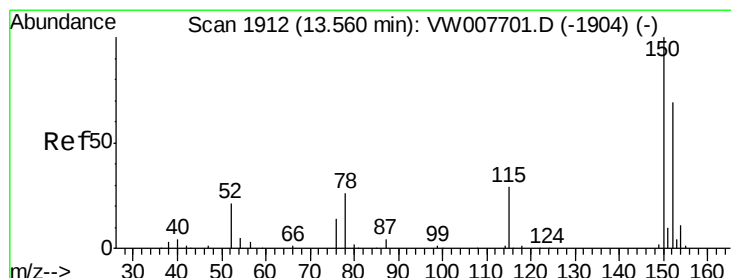
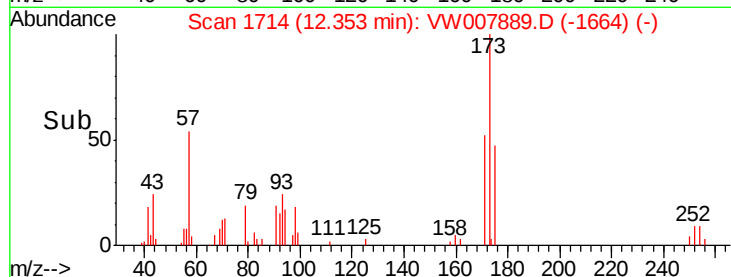
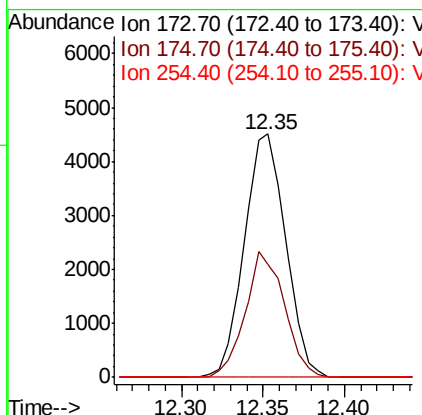
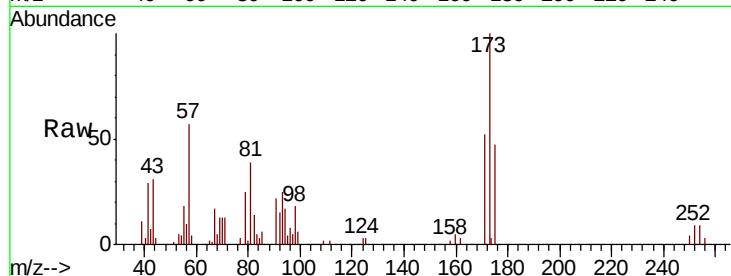
ClientSampleId :

P001-DS001-01MSD

Tot Ion:173	Resp:	7964
Ion Ratio	Lower	Upper
173 100		
175 48.8	23.9	71.7
254 0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

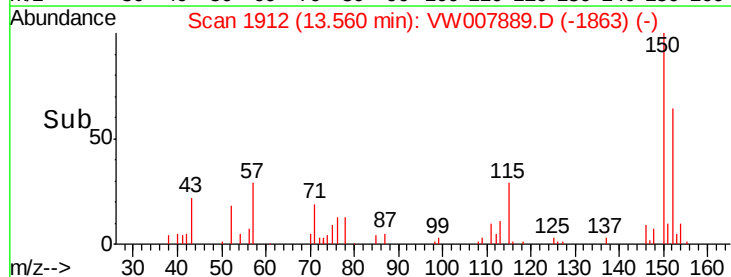
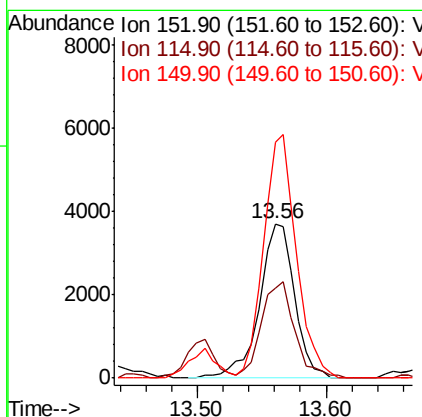
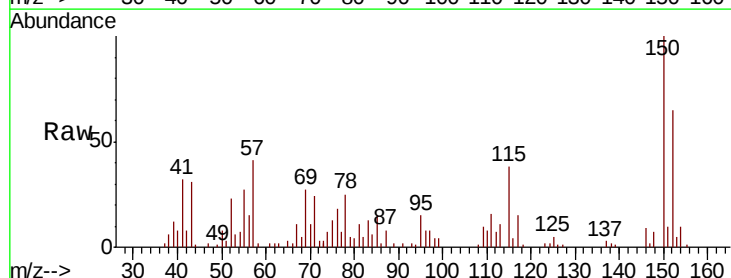
RT: 13.56 min Scan# 1912

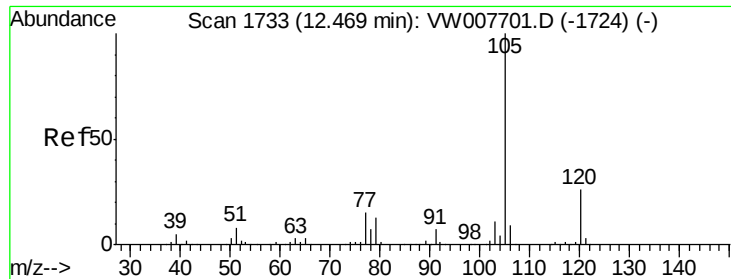
Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Tgt Ion:152	Resp:	7009
Ion Ratio	Lower	Upper
152 100		
115 59.0	31.8	95.4
150 146.0	0.0	350.8





#73

Isopropylbenzene

Concen: 58.250 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 105 Resp: 30861

Ion Ratio Lower Upper

105 100

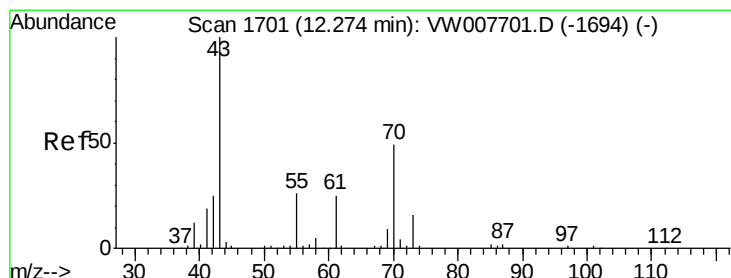
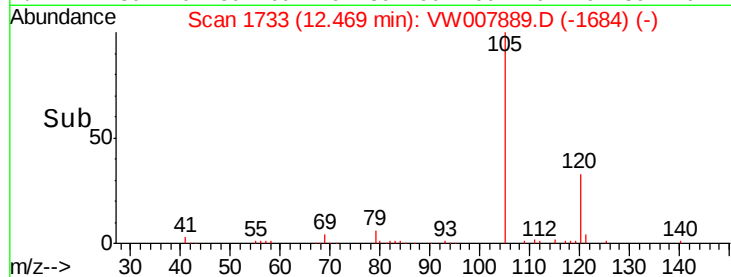
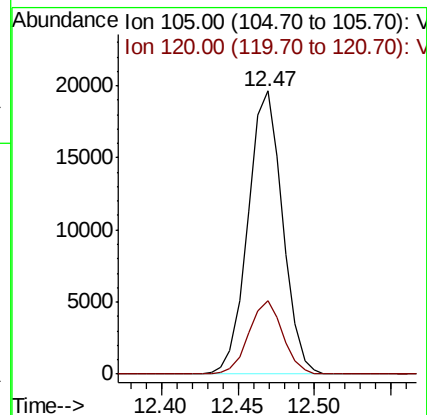
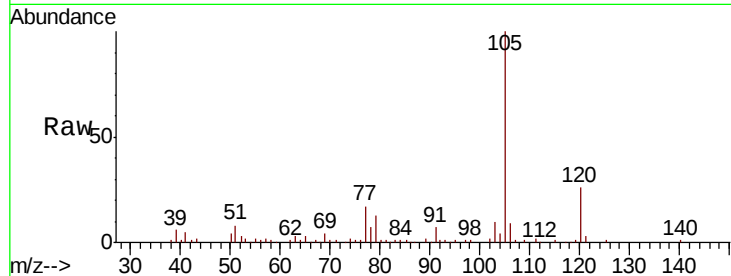
120 25.5 13.1 39.3

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#74

N-ethyl acetate

Concen: 54.136 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Tgt Ion: 43 Resp: 4968

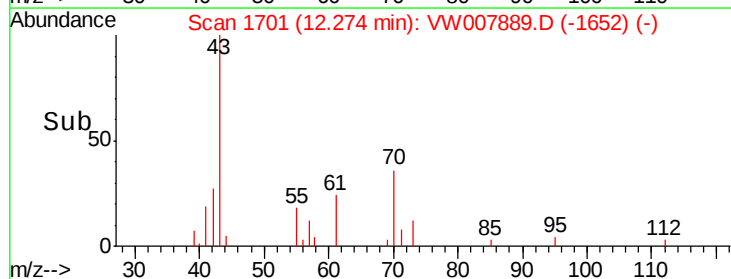
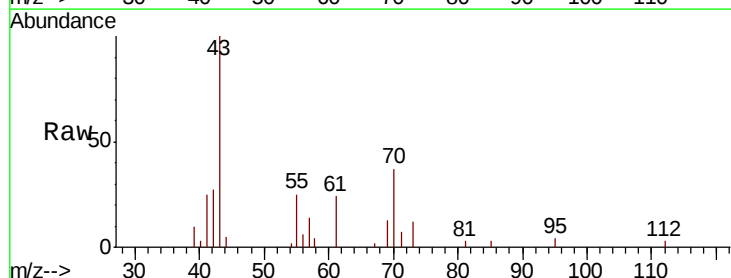
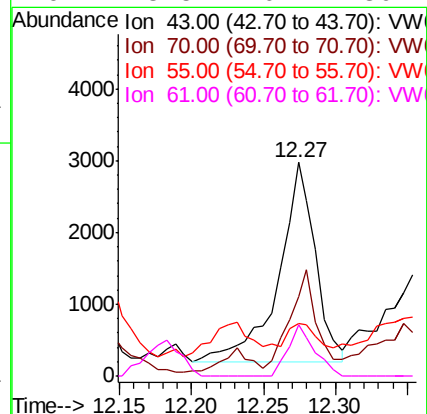
Ion Ratio Lower Upper

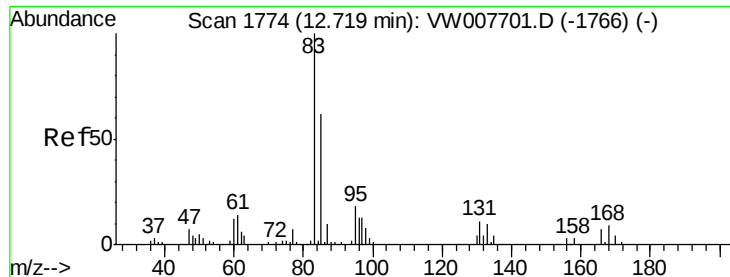
43 100

70 35.6 37.6 56.4#

55 12.5 21.7 32.5#

61 18.5 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 200.616 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

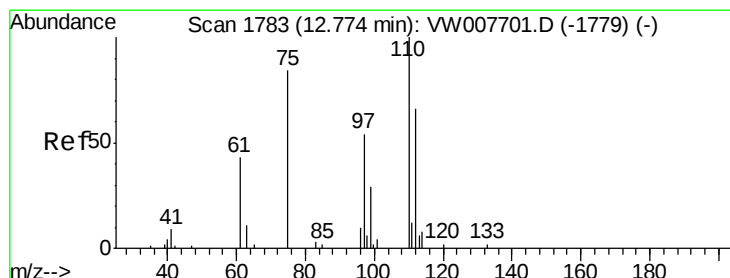
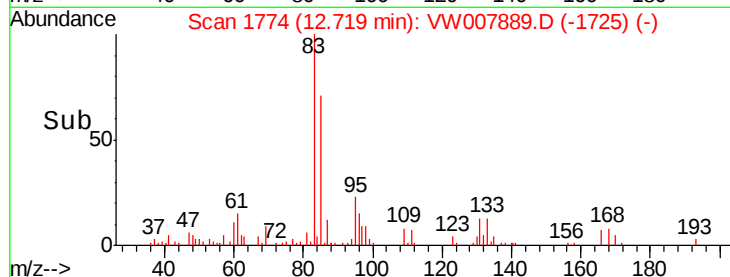
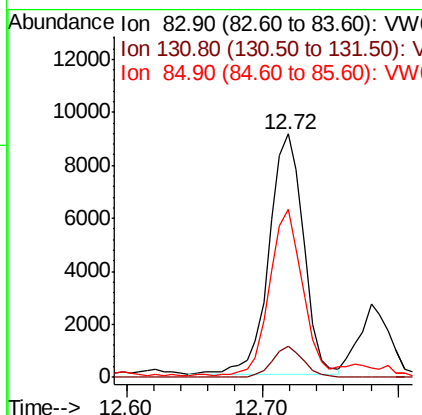
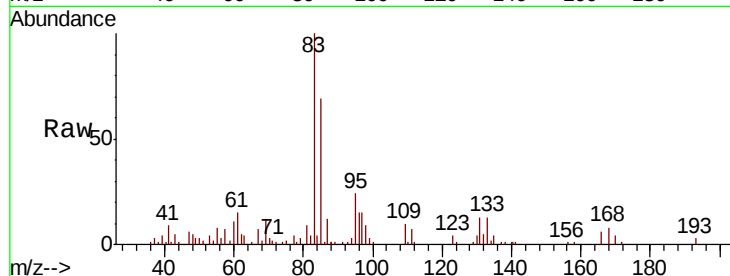
ClientSampleId :

P001-DS001-01MSD

Tot Ion:	83	Resp:	15936
Ion	Ratio	Lower	Upper
83	100		
131	11.6	6.3	18.8
85	67.9	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 245.196 ug/l m

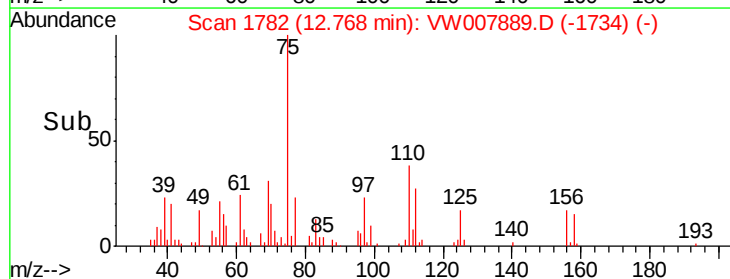
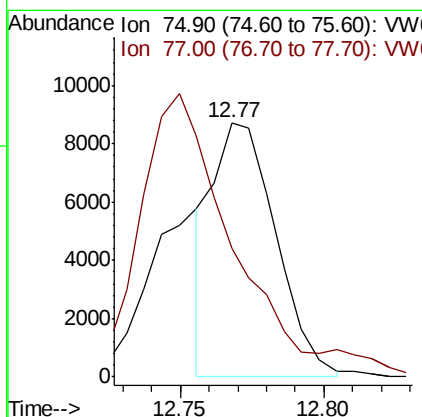
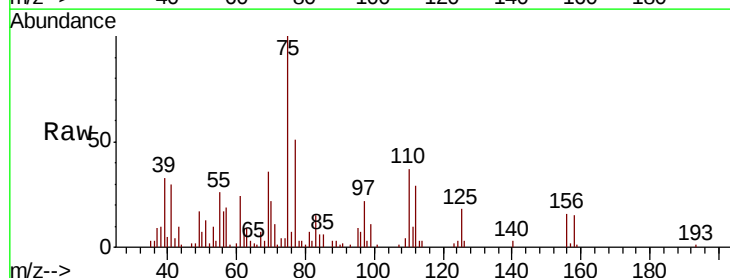
RT: 12.77 min Scan# 1782

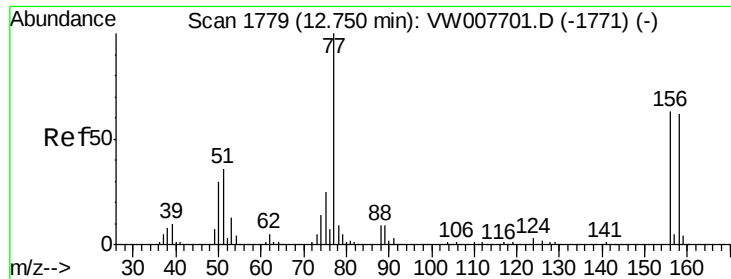
Delta R.T. -0.01 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Tgt Ion:	75	Resp:	13283
Ion	Ratio	Lower	Upper
75	100		
77	168.7	0.0	0.0#





#77

Bromobenzene

Concen: 73.490 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

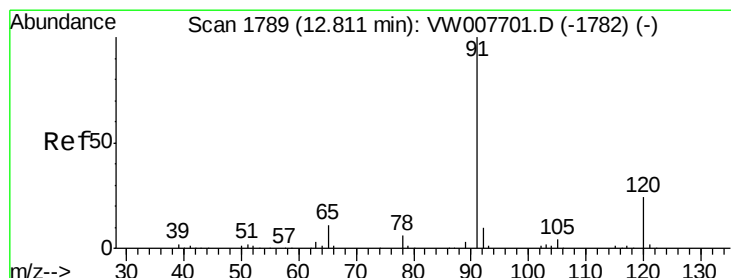
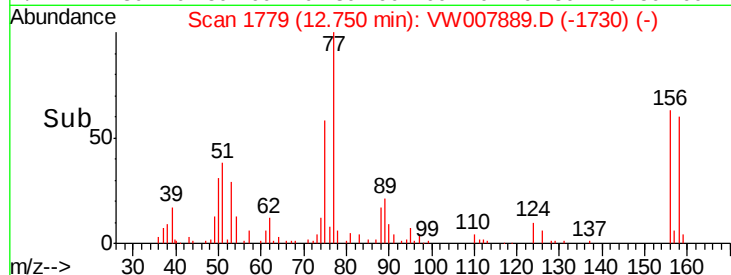
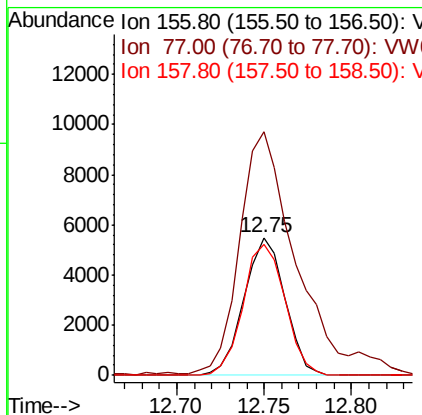
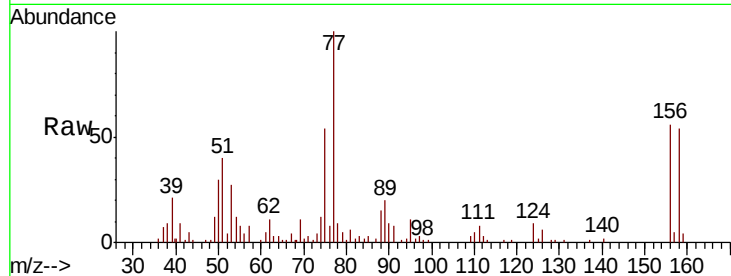
ClientSampleId :

P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	251.1	87.4	262.1
158	97.7	48.4	145.0

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#78

n-propylbenzene

Concen: 46.694 ug/l

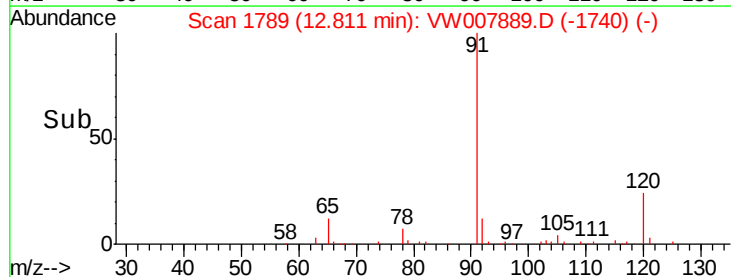
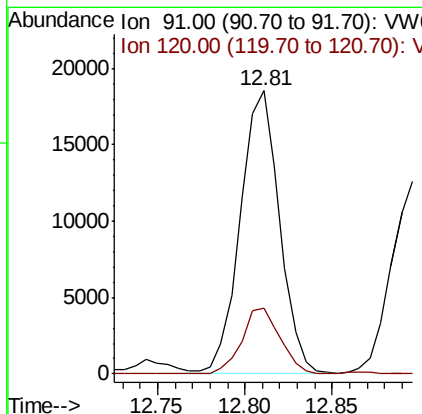
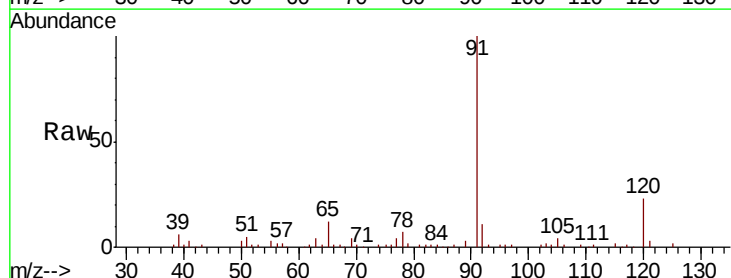
RT: 12.81 min Scan# 1789

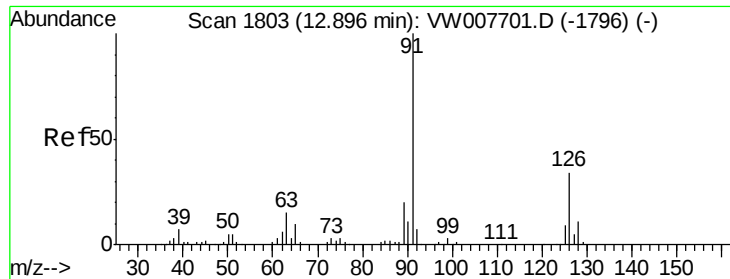
Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.9	35.7





#79

2-Chlorotoluene

Concen: 56.690 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion: 91 Resp: 20367

Ion Ratio Lower Upper

91 100

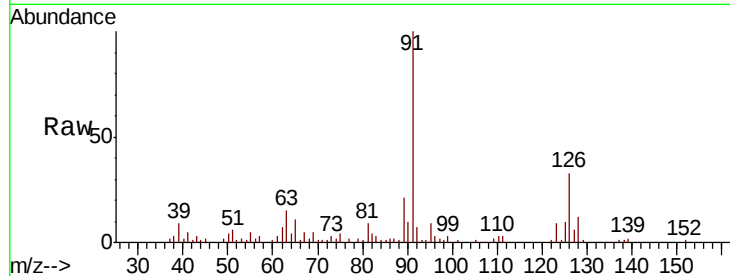
126 32.3 17.0 51.0

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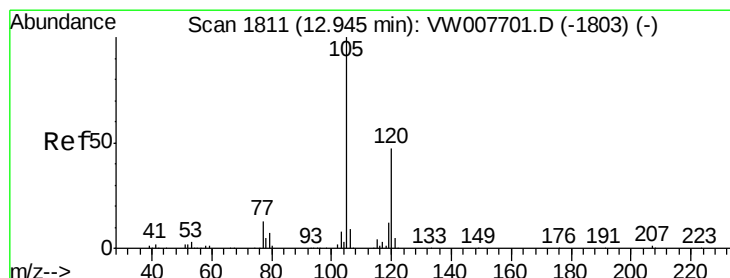
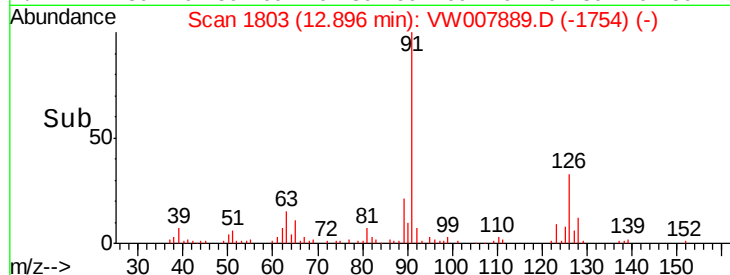
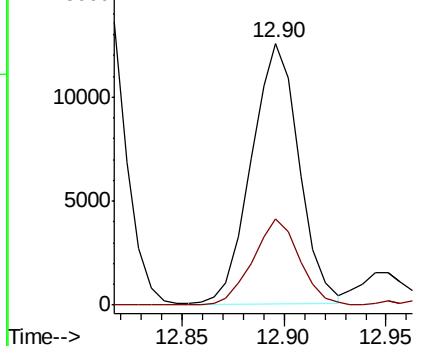
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 45.834 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007889.D

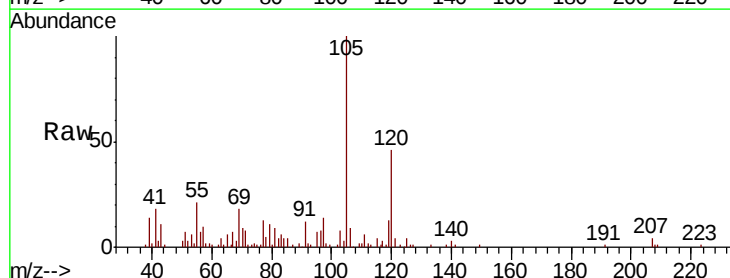
Acq: 24 Dec 2018 15:25

Tgt Ion:105 Resp: 20946

Ion Ratio Lower Upper

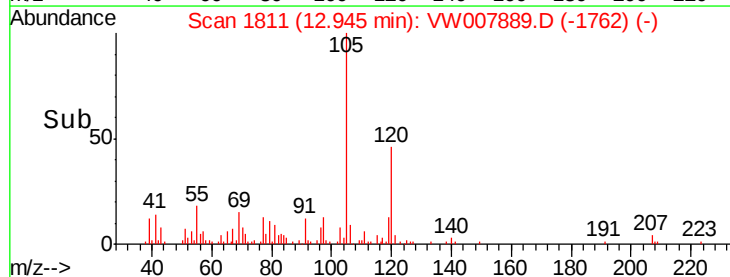
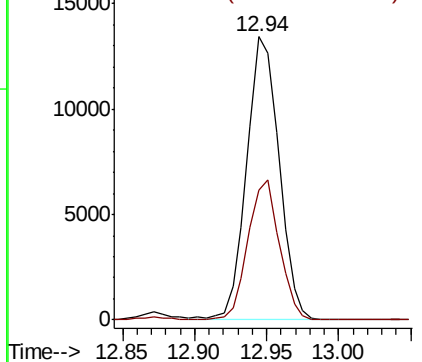
105 100

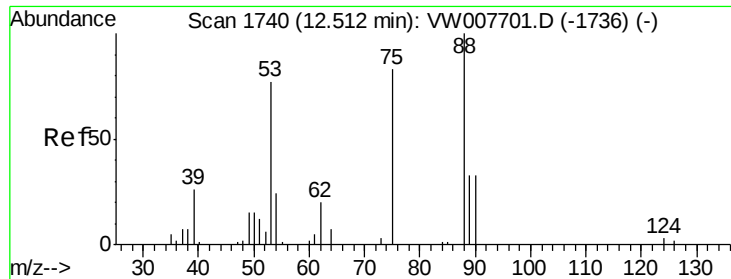
120 47.5 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





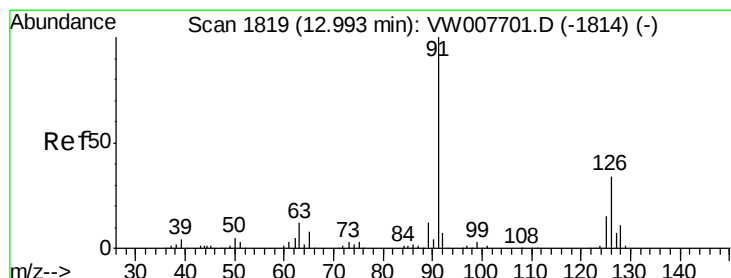
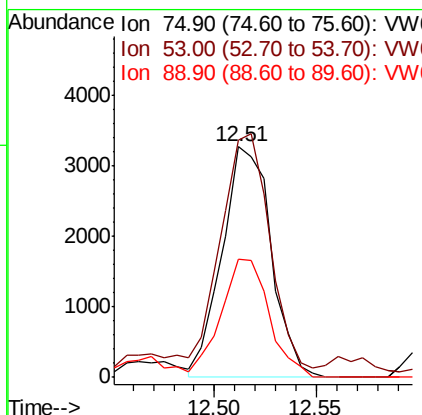
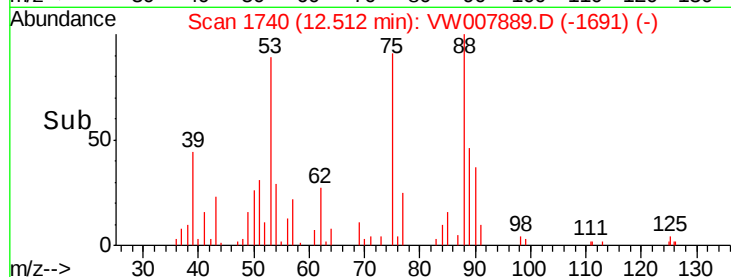
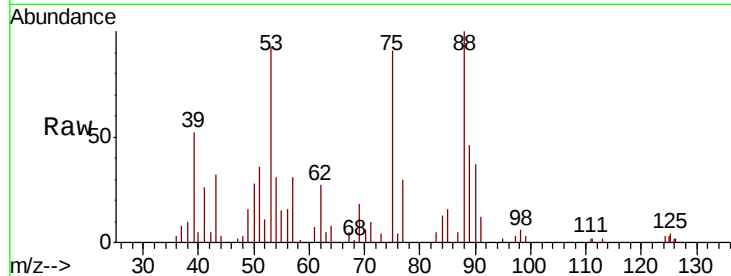
#81
trans-1,4-Dichloro-2-butene
Concen: 211.368 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	80.2	120.2
89	50.0	39.2	58.8

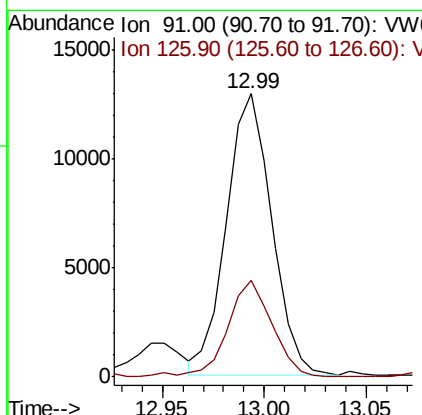
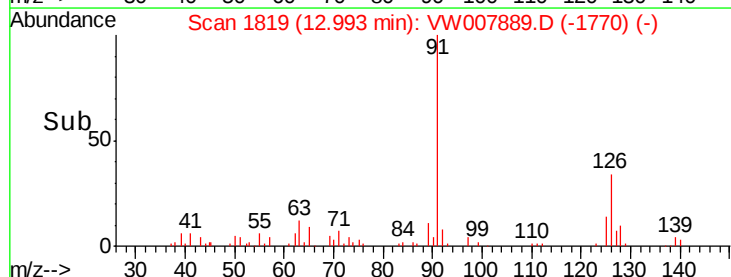
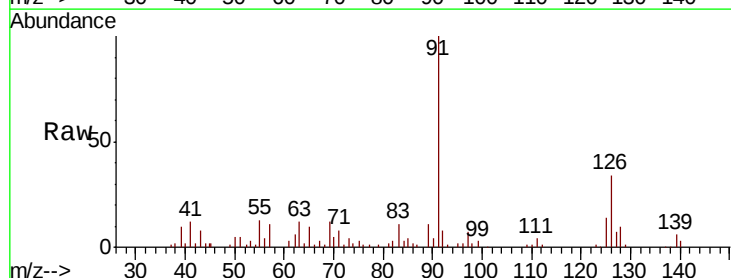
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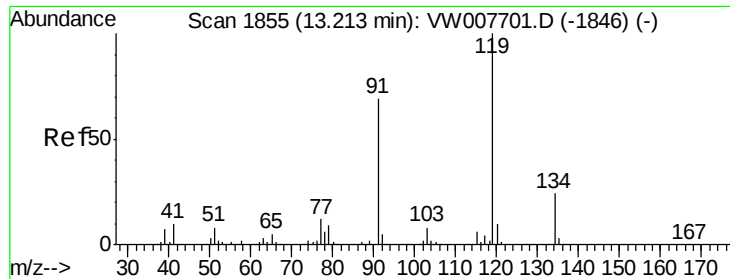
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#82
4-Chlorotoluene
Concen: 51.644 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.5	49.5





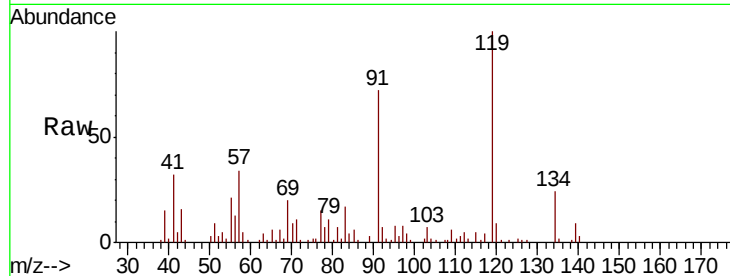
#83
tert-Butylbenzene
Concen: 46.202 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	34.2	102.5
134	23.4	12.8	38.4

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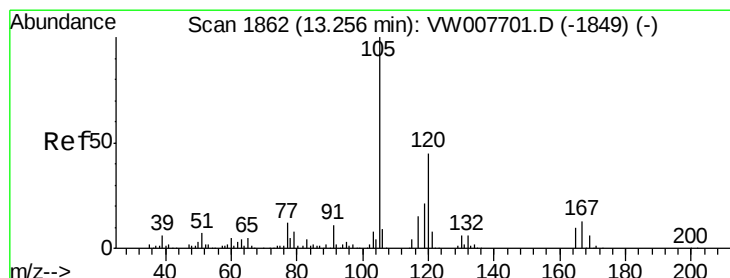
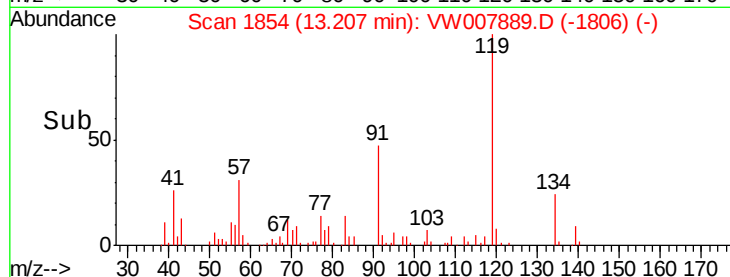
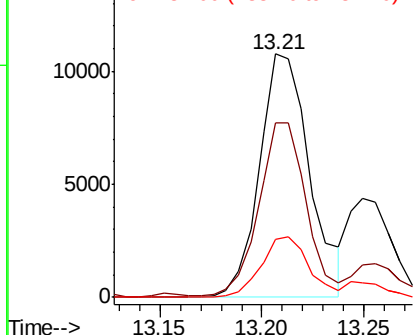


Abundance

Ion 119.00 (118.70 to 119.70): V

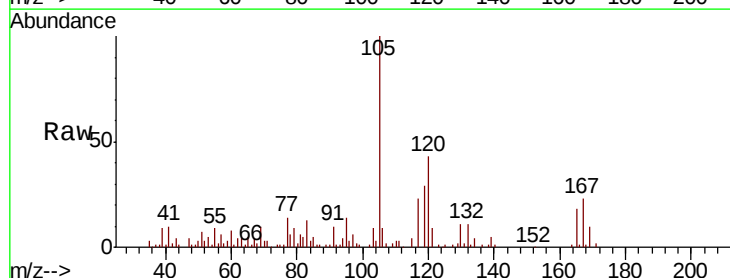
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 48.609 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

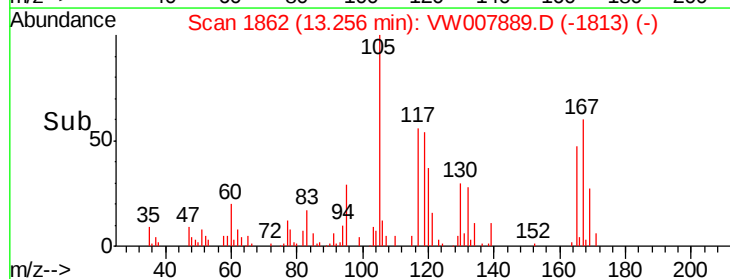
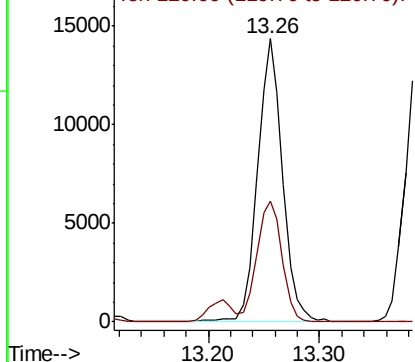
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.0	66.0

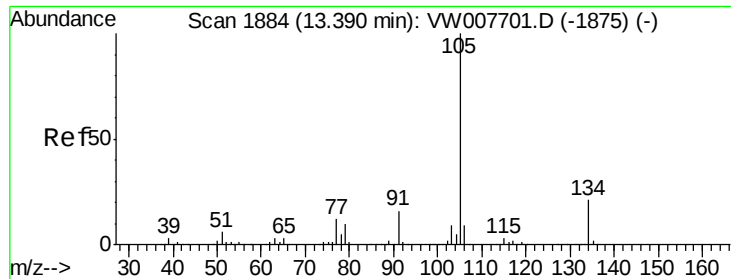


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 38.325 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MSD

Tot Ion:105 Resp: 21179

Ion Ratio Lower Upper

105 100

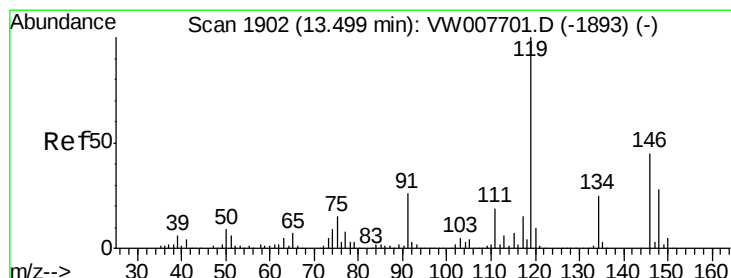
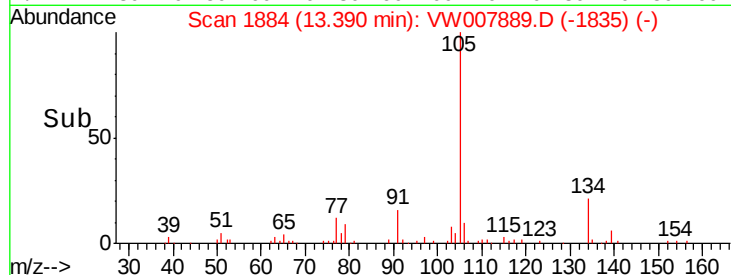
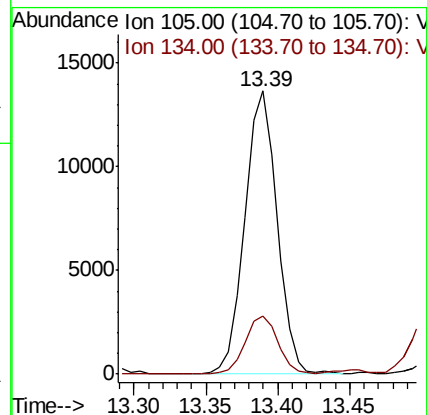
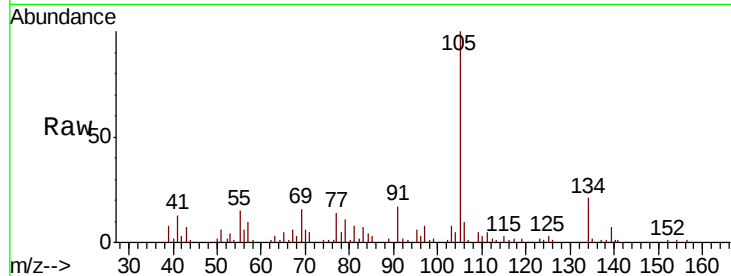
134 20.7 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 33.391 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

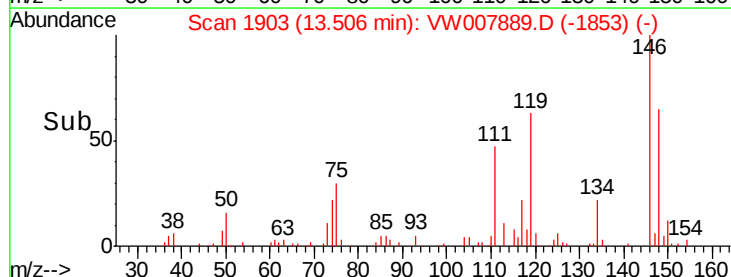
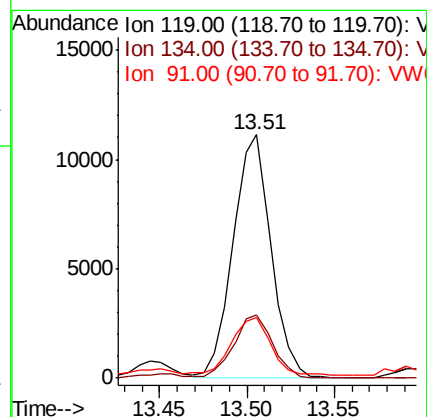
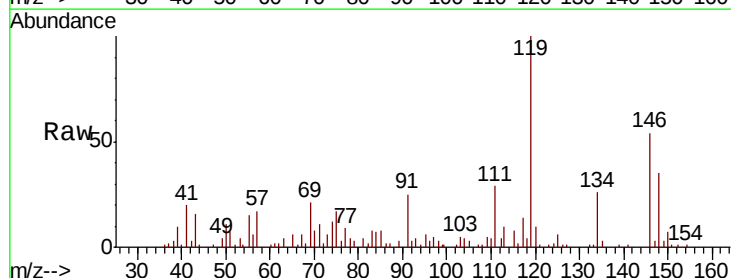
Tgt Ion:119 Resp: 16779

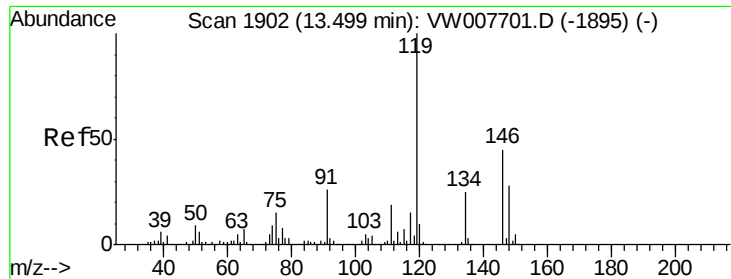
Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 24.7 12.8 38.4





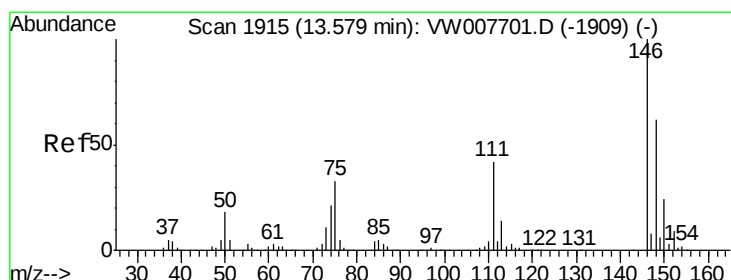
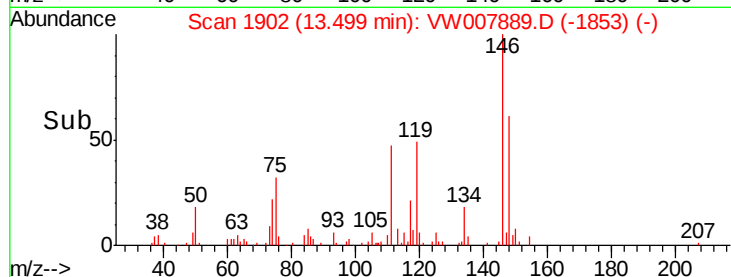
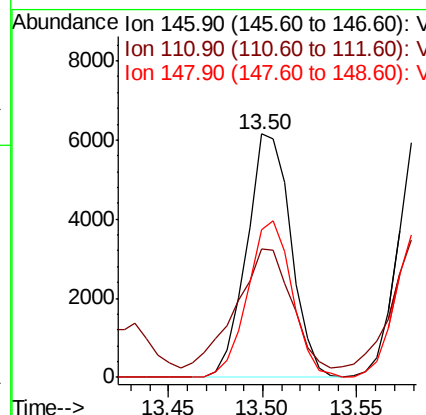
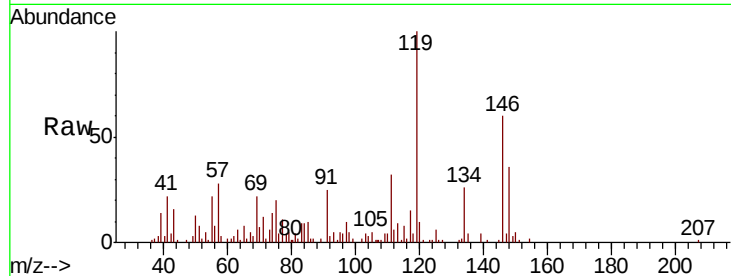
#87
 1,3-Dichlorobenzene
 Concen: 41.461 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	60.8	21.1	63.4
148	64.2	32.1	96.5

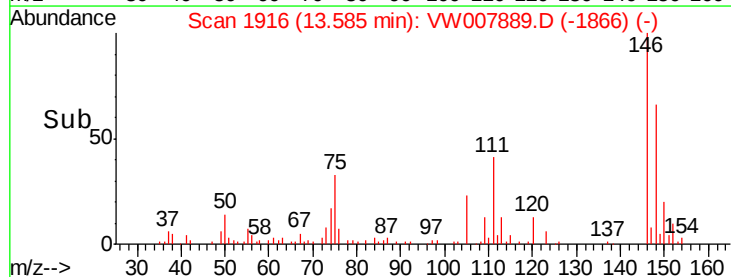
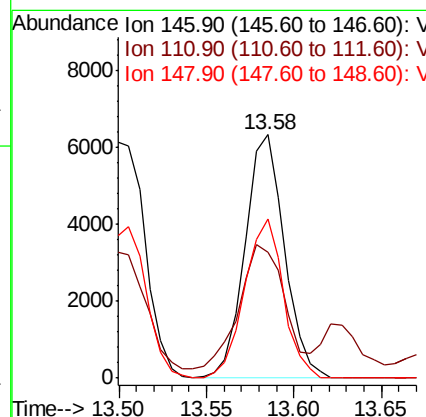
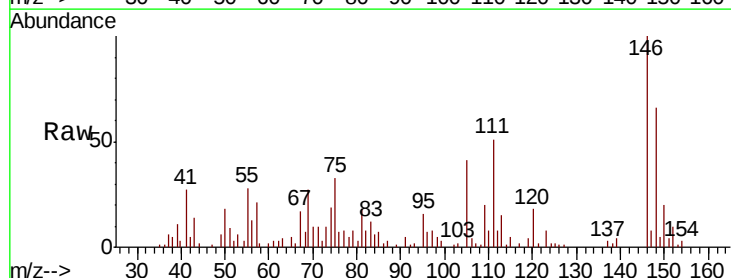
Manual Integrations
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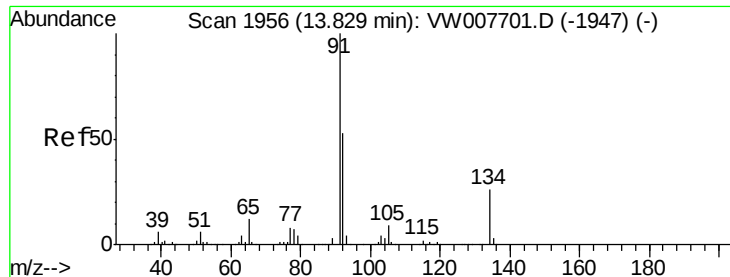
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#88
 1,4-Dichlorobenzene
 Concen: 41.200 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007889.D
 Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	58.0	21.0	63.0
148	64.2	31.8	95.4





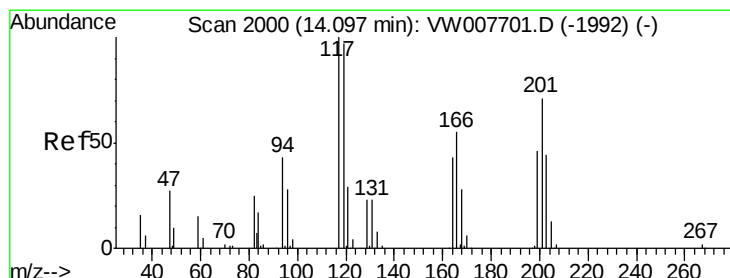
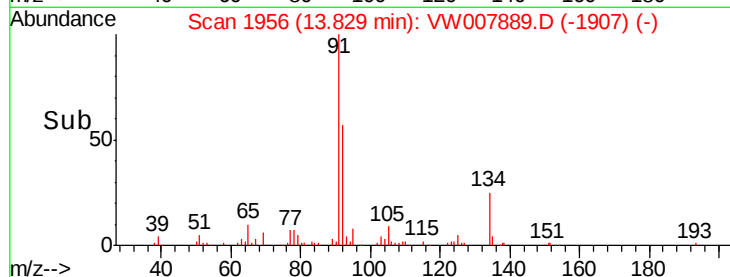
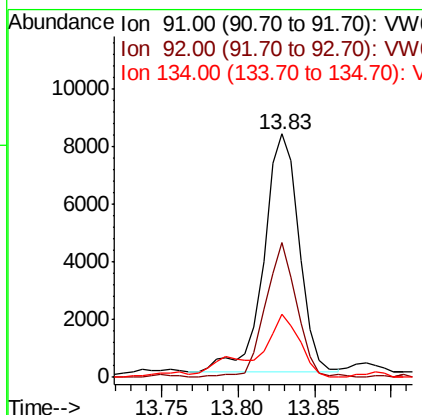
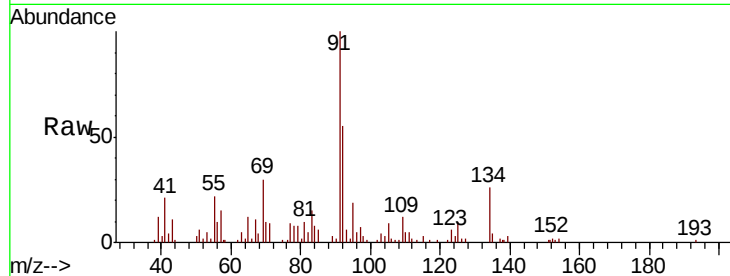
#89
n-Butylbenzene
Concen: 28.902 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.4	79.2
134	24.6	13.7	41.0

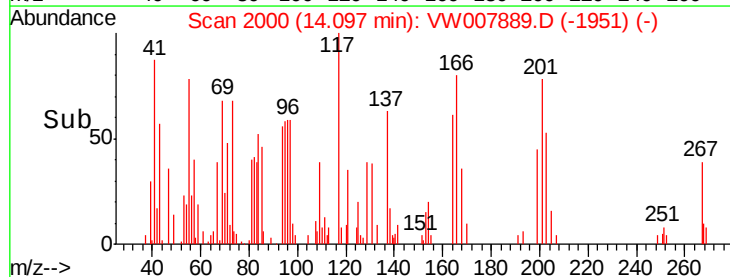
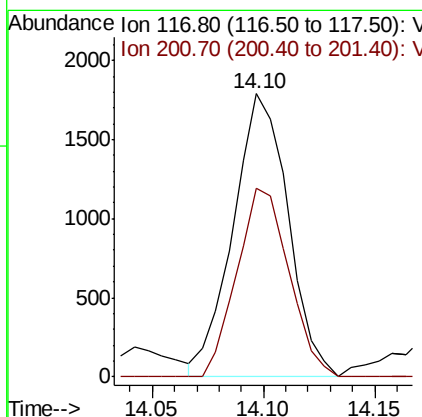
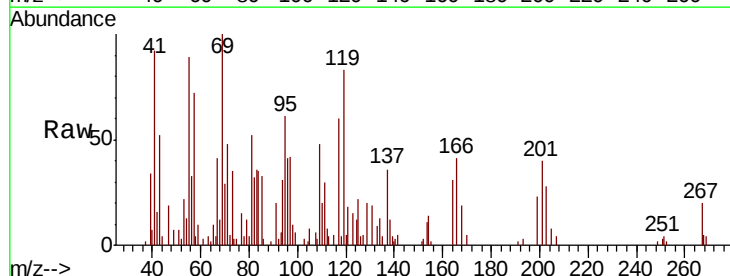
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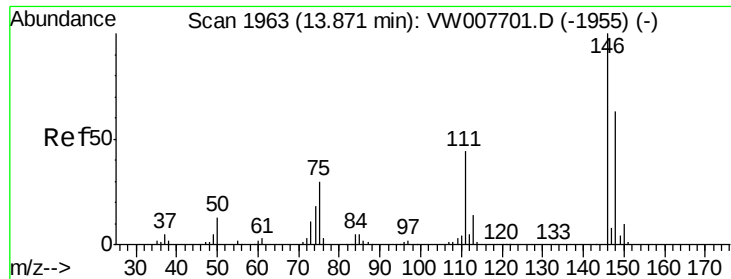
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#90
Hexachloroethane
Concen: 34.913 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.1	36.2	108.6





#91

1,2-Dichlorobenzene

Concen: 44.324 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Instrument :

MSVOA_W

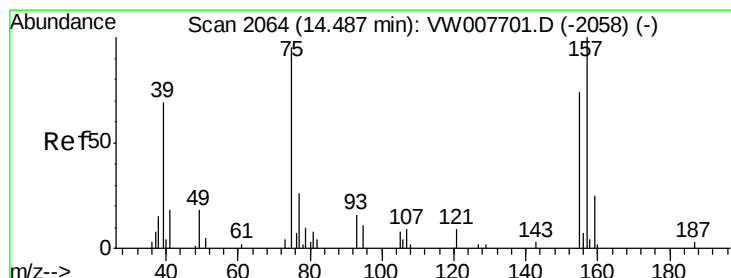
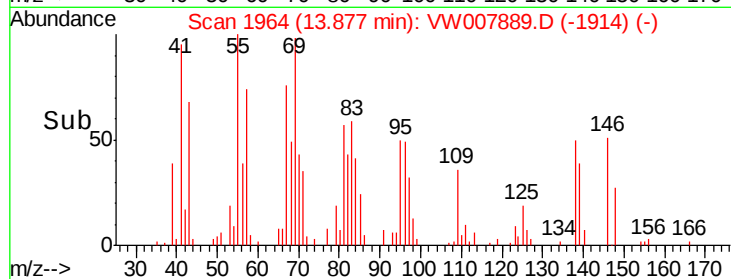
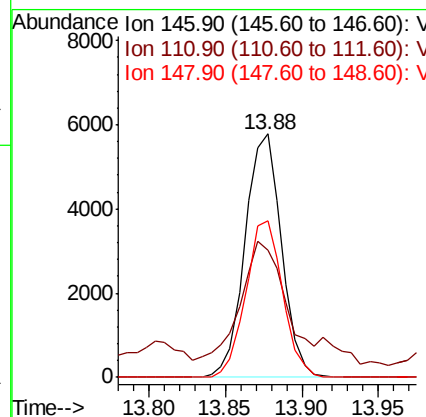
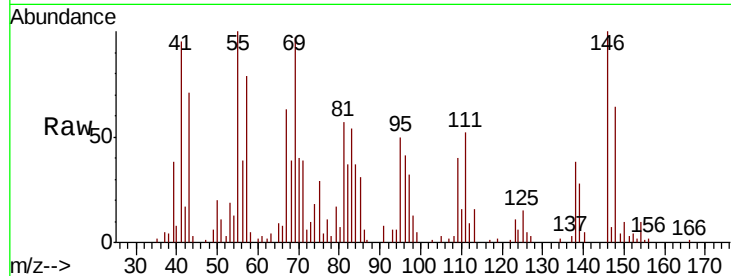
ClientSampleId :

P001-DS001-01MSD

Tot Ion:	146	Resp:	9567
Ion Ratio	Lower	Upper	
146	100		
111	72.0	21.7	65.1#
148	65.1	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 132.899 ug/l

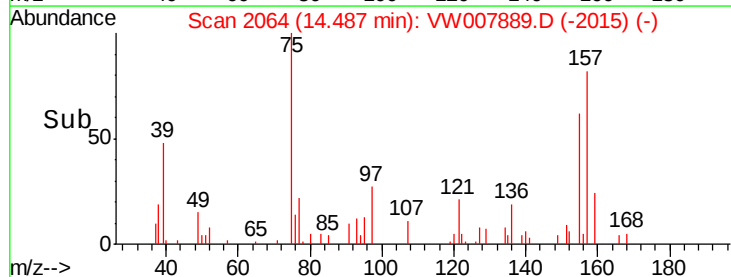
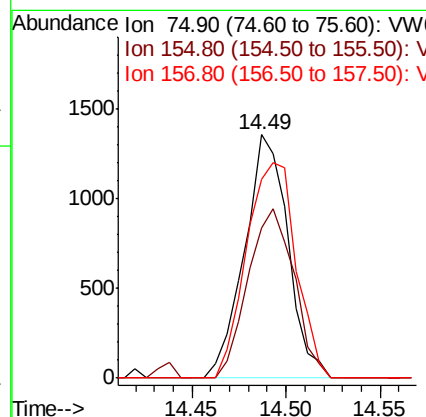
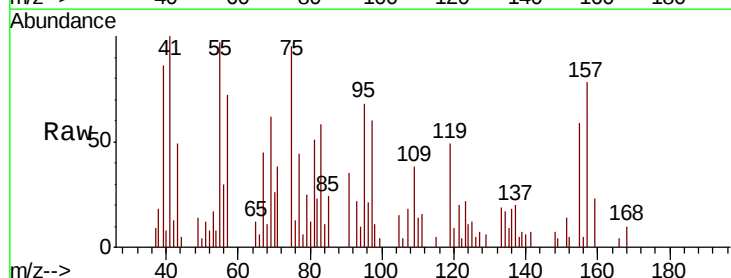
RT: 14.49 min Scan# 2064

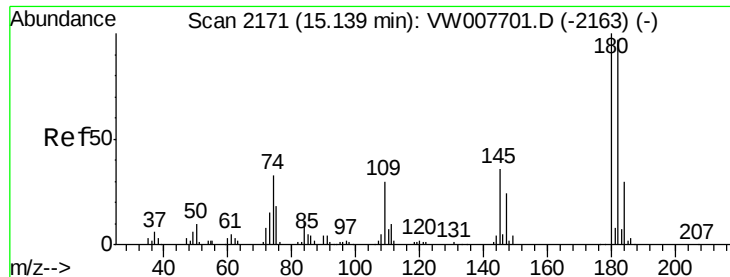
Delta R.T. -0.00 min

Lab File: VW007889.D

Acq: 24 Dec 2018 15:25

Tgt Ion:	75	Resp:	2168
Ion Ratio	Lower	Upper	
75	100		
155	73.9	39.4	118.1
157	101.2	52.0	156.0





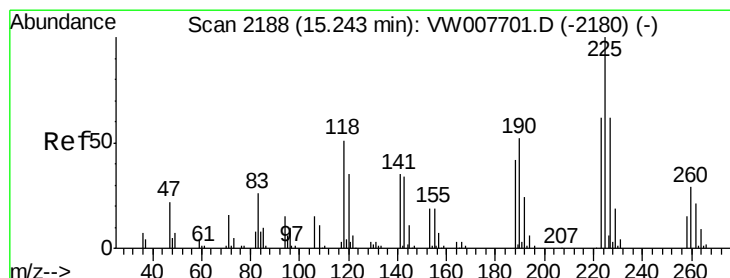
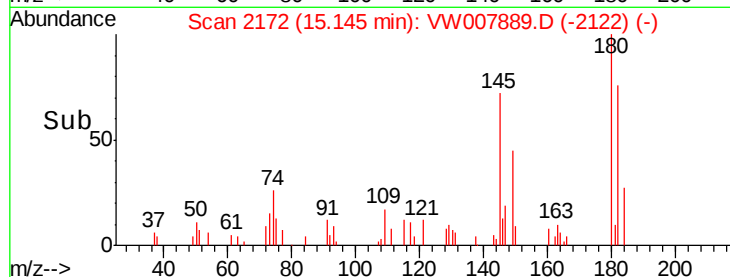
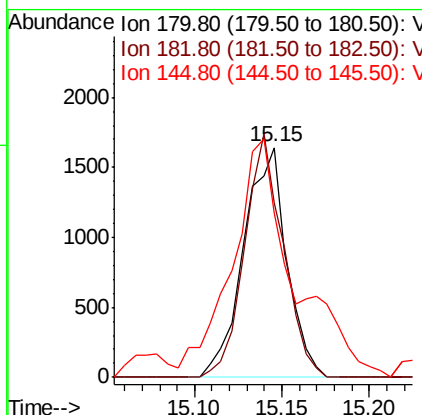
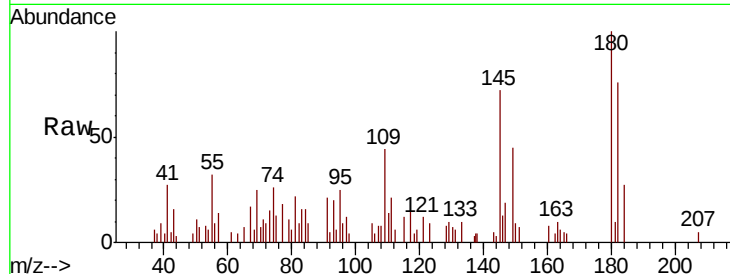
#93
1,2,4-Trichlorobenzene
Concen: 18.728 ug/l
RT: 15.15 min Scan# 2172
Delta R.T. 0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.6
145	150.2	17.5	52.5#

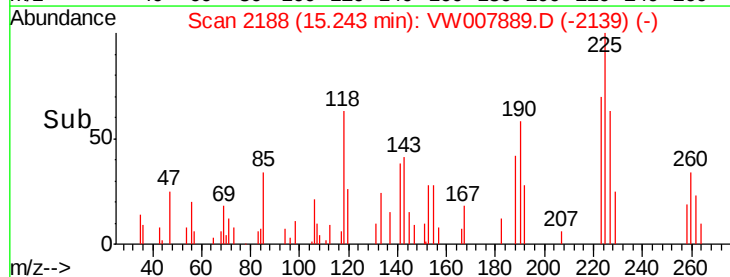
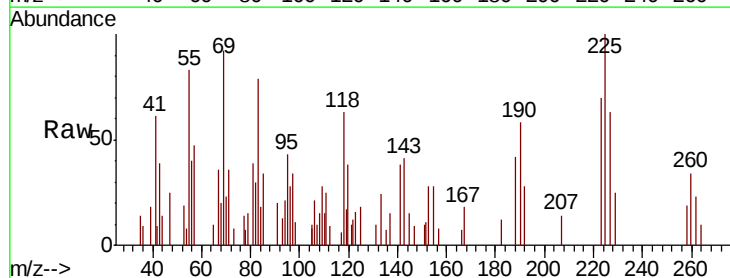
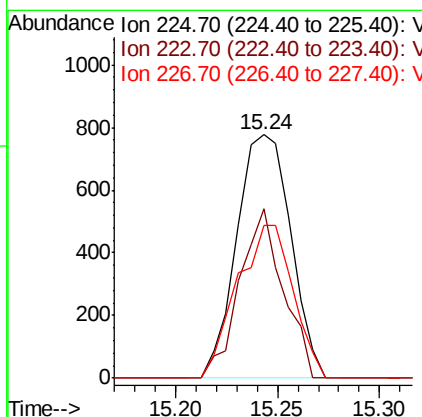
Manual Integrations
APPROVED

MMDadoda
12/26/2018 4:38:59 PM



#94
Hexachlorobutadiene
Concen: 17.859 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	55.9	31.6	94.8
227	64.9	32.1	96.3





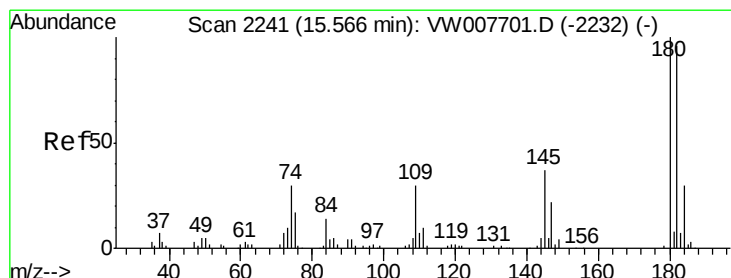
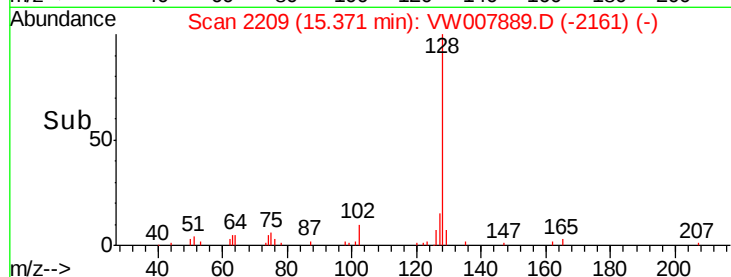
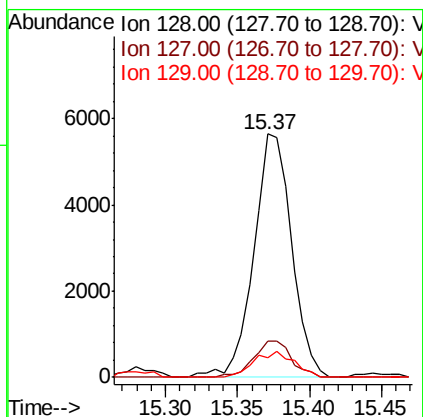
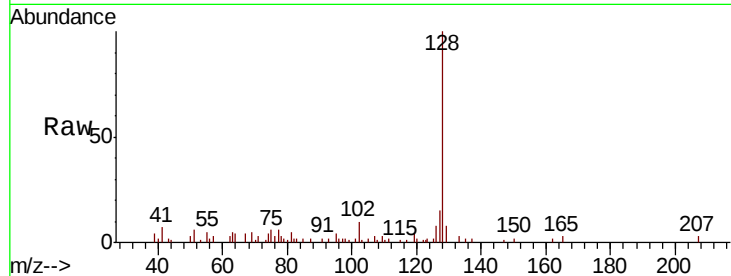
#95
Naphthalene
Concen: 36.913 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.7	16.1
129	11.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 4:38:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.746 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007889.D
Acq: 24 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.2	47.4	142.2
145	83.3	18.4	55.0#

