

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007797.D
 Acq On : 21 Dec 2018 16:01
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:58:47 AM

Quant Time: Dec 22 00:04:54 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	81574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	131826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57974	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	40959	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	7.88	113	38359	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	10.32	98	149872	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.62	95	57824	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	36358	50.136	ug/l	99
3) Chloromethane	2.21	50	24570	55.176	ug/l	96
4) Vinyl Chloride	2.37	62	31089	54.845	ug/l	99
5) Bromomethane	2.78	94	20925	52.999	ug/l	98
6) Chloroethane	2.93	64	17565	57.920	ug/l	99
7) Trichlorofluoromethane	3.25	101	24939	42.259	ug/l	96
8) Diethyl Ether	3.67	74	17853	49.390	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43753	50.340	ug/l	99
10) Methyl Iodide	4.26	142	68063	49.243	ug/l	96
11) Tert butyl alcohol	5.18	59	15480	256.660	ug/l	99
12) 1,1-Dichloroethene	4.03	96	41923	52.090	ug/l	95
13) Acrolein	3.89	56	10859	225.178	ug/l	96
14) Allyl chloride	4.65	41	58322	55.260	ug/l	94
15) Acrylonitrile	5.36	53	42218	273.801	ug/l	98
16) Acetone	4.12	43	43470	259.636	ug/l	93
17) Carbon Disulfide	4.37	76	120429	48.354	ug/l	99
18) Methyl Acetate	4.67	43	23805	59.785	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	64941	56.205	ug/l	97
20) Methylene Chloride	4.90	84	42529	50.908	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	46317	52.326	ug/l	97
22) Diisopropyl ether	6.31	45	112280	56.815	ug/l	98
23) Vinyl Acetate	6.25	43	325981	277.634	ug/l	98
24) 1,1-Dichloroethane	6.21	63	77129	53.052	ug/l	98
25) 2-Butanone	7.17	43	54153	276.142	ug/l	97
26) 2,2-Dichloropropane	7.17	77	53205	50.011	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49164	52.133	ug/l	99
28) Bromochloromethane	7.51	49	26410	53.279	ug/l	94
29) Tetrahydrofuran	7.52	42	33865	289.509	ug/l	98
30) Chloroform	7.67	83	83905	50.997	ug/l	98
31) Cyclohexane	7.95	56	70325	52.838	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	72757	48.555	ug/l	99
36) 1,1-Dichloropropene	8.08	75	67041	52.690	ug/l	99
37) Ethyl Acetate	7.25	43	24614	56.054	ug/l	99
38) Carbon Tetrachloride	8.06	117	67145	44.810	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	86921	54.977	ug/l	98
40) Benzene	8.32	78	178192	52.482	ug/l	99
41) Methacrylonitrile	7.49	41	16847	67.576	ug/l	85
42) 1,2-Dichloroethane	8.40	62	54912	48.261	ug/l	97
43) Isopropyl Acetate	8.43	43	47963	54.520	ug/l	99
44) Trichloroethene	9.09	130	52312	50.948	ug/l	99
45) 1,2-Dichloropropane	9.37	63	40732	54.066	ug/l	93
46) Dibromomethane	9.46	93	22869	49.313	ug/l	99
47) Bromodichloromethane	9.64	83	58438	47.932	ug/l	99
48) Methyl methacrylate	9.43	41	24547m	55.900	ug/l	
49) 1,4-Dioxane	9.45	88	8233	1119.729	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	114200	274.678	ug/l	100
52) Toluene	10.38	92	123630	54.271	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	61999	51.126	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	70179	52.392	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33759	52.804	ug/l	97
56) Ethyl methacrylate	10.65	69	41699	55.203	ug/l	95
57) 1,3-Dichloropropane	10.93	76	55803	52.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	98130	284.531	ug/l	98
59) 2-Hexanone	10.97	43	81933	280.217	ug/l	99
60) Dibromochloromethane	11.13	129	38028	44.923	ug/l	98
61) 1,2-Dibromoethane	11.24	107	33583	51.871	ug/l	98
64) Tetrachloroethene	10.86	164	42644	52.340	ug/l	96
65) Chlorobenzene	11.66	112	130409	52.367	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	45681	51.337	ug/l	99
67) Ethyl Benzene	11.73	91	238660	55.848	ug/l	95
68) m/p-Xylenes	11.84	106	183583	110.746	ug/l	98
69) o-Xylene	12.17	106	87248	56.149	ug/l	99
70) Styrene	12.18	104	141597	55.436	ug/l	99
71) Bromoform	12.35	173	20817	45.065	ug/l #	98
73) Isopropylbenzene	12.47	105	247050	56.376	ug/l	99
74) N-amyl acetate	12.27	43	45739	60.257	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	36146	55.014	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	28369m	63.312	ug/l	
77) Bromobenzene	12.75	156	53171	52.944	ug/l	97
78) n-propylbenzene	12.80	91	282211	55.323	ug/l	100
79) 2-Chlorotoluene	12.90	91	164256	55.274	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	211791	56.030	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11769	55.132	ug/l	97
82) 4-Chlorotoluene	12.99	91	173502	54.834	ug/l	100
83) tert-Butylbenzene	13.21	119	186925	56.360	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	216249	56.696	ug/l	99
85) sec-Butylbenzene	13.39	105	255625	55.924	ug/l	100
86) p-Isopropyltoluene	13.51	119	232310	55.892	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	105943	53.131	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106803	53.547	ug/l	99
89) n-Butylbenzene	13.83	91	217220	57.000	ug/l	99
90) Hexachloroethane	14.10	117	33645	46.108	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	94580	52.977	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6782	50.262	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	68070	54.928	ug/l	99
94) Hexachlorobutadiene	15.24	225	37424	56.507	ug/l	98
95) Naphthalene	15.37	128	136434	59.547	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	57878	54.560	ug/l	99

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

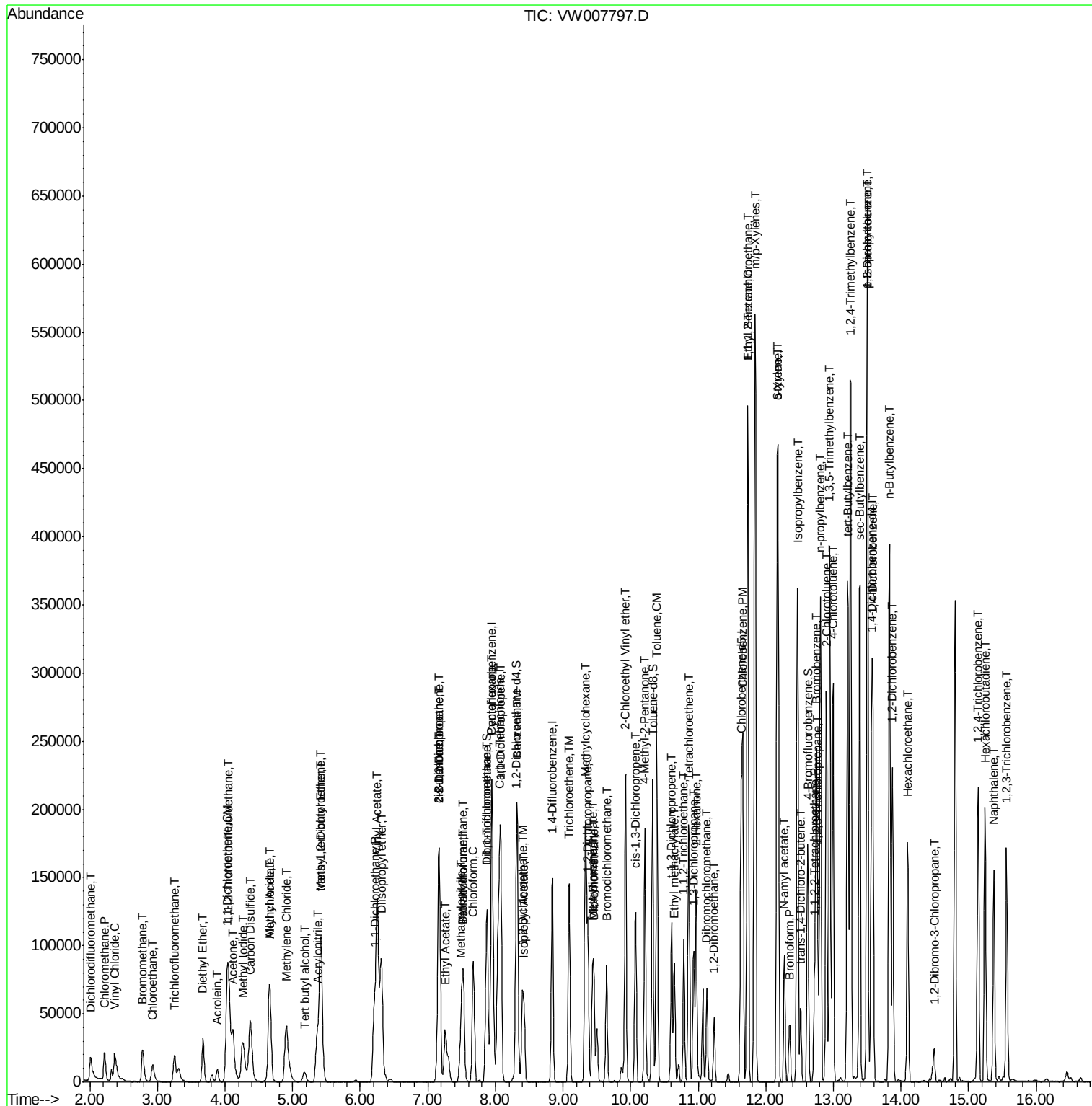
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
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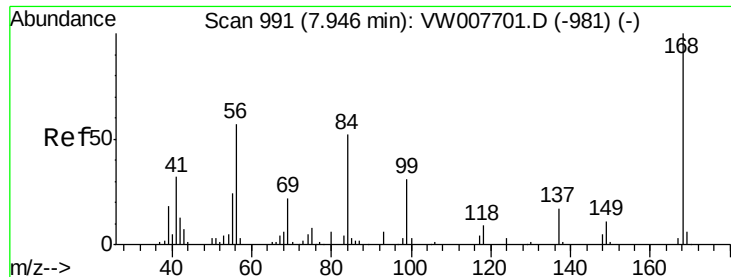
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 81574

Ion Ratio Lower Upper

168 100

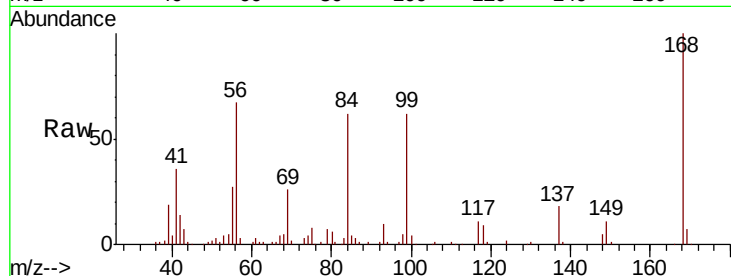
99 62.0 54.0 81.0

Manual Integrations

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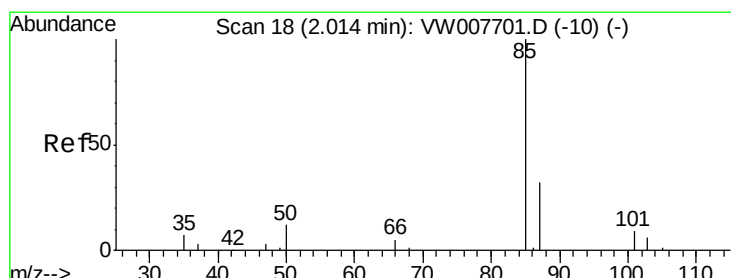
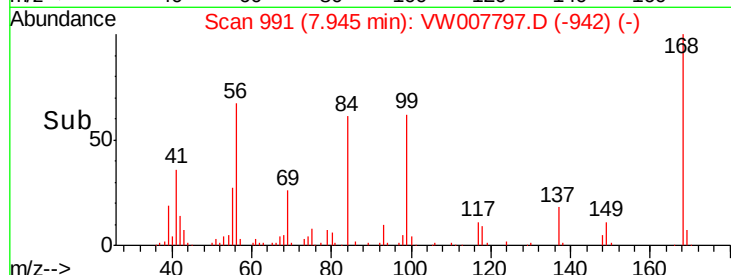
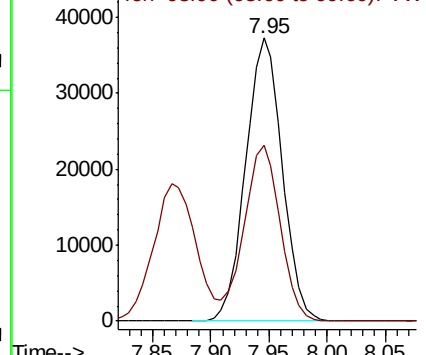
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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.136 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007797.D

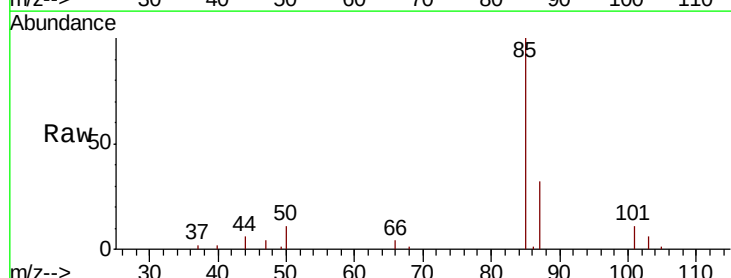
Acq: 21 Dec 2018 16:01

Tgt Ion: 85 Resp: 36358

Ion Ratio Lower Upper

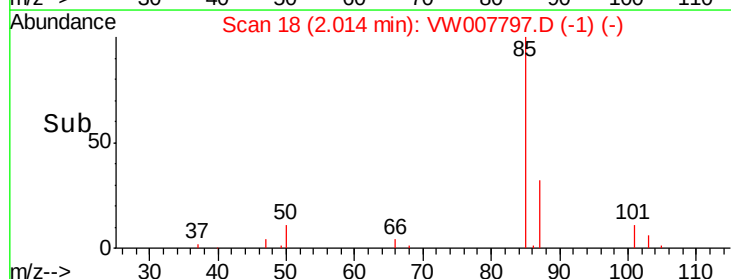
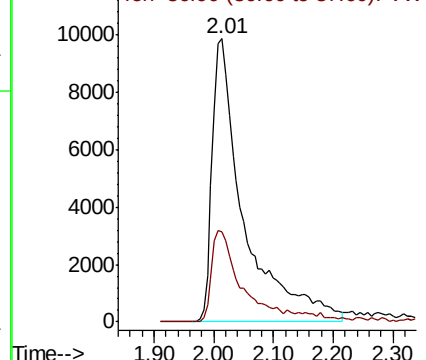
85 100

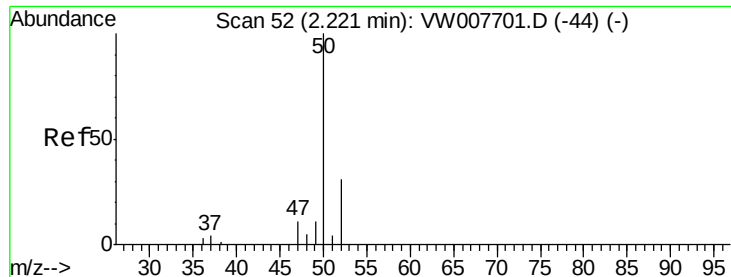
87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 55.176 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 24570

Ion Ratio Lower Upper

50 100

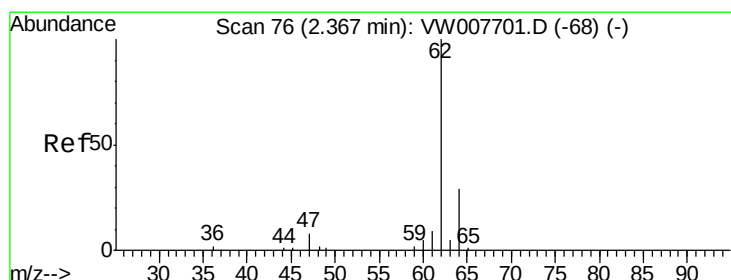
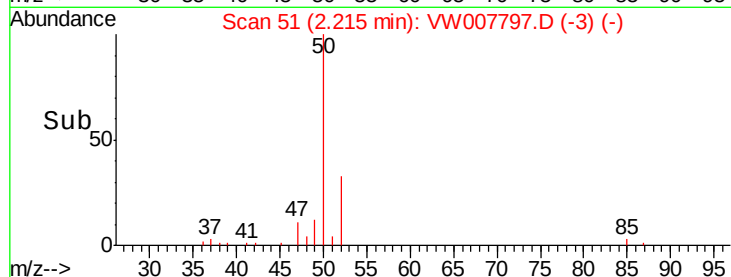
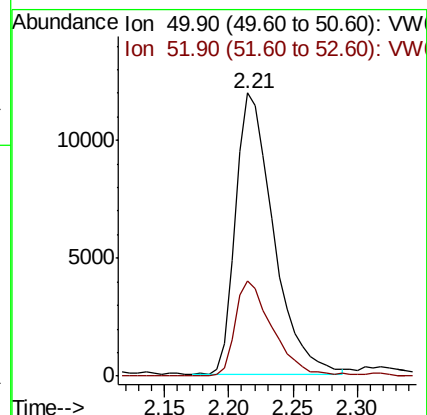
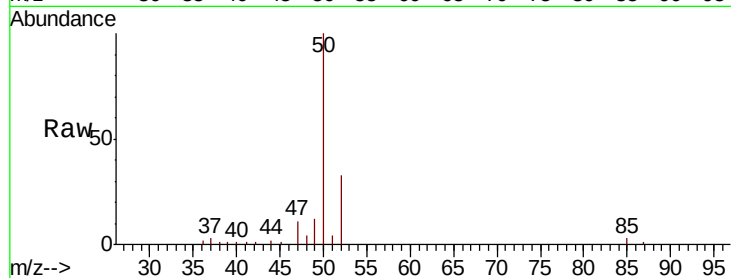
52 33.6 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.845 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007797.D

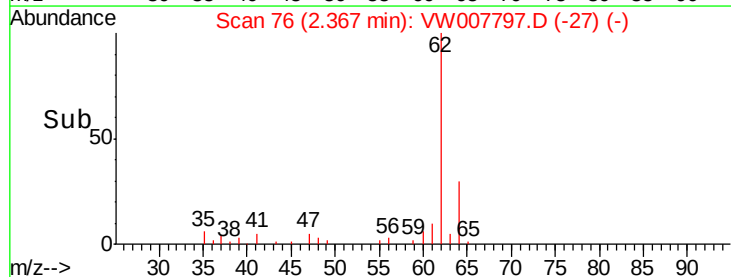
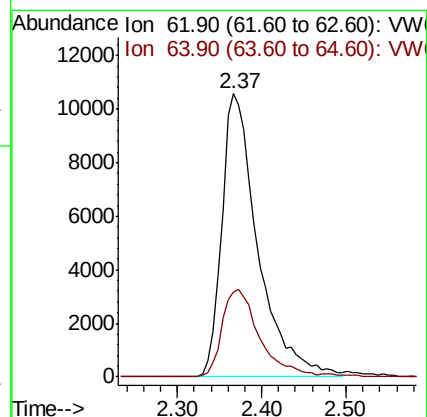
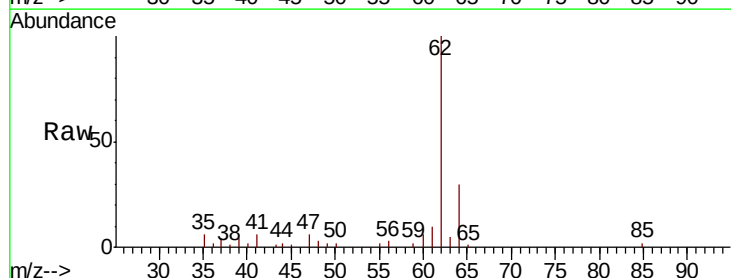
Acq: 21 Dec 2018 16:01

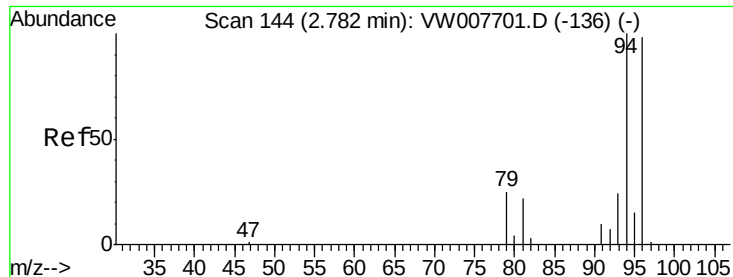
Tgt Ion: 62 Resp: 31089

Ion Ratio Lower Upper

62 100

64 30.0 23.4 35.0





#5

Bromomethane

Concen: 52.999 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 20925

Ion Ratio Lower Upper

94 100

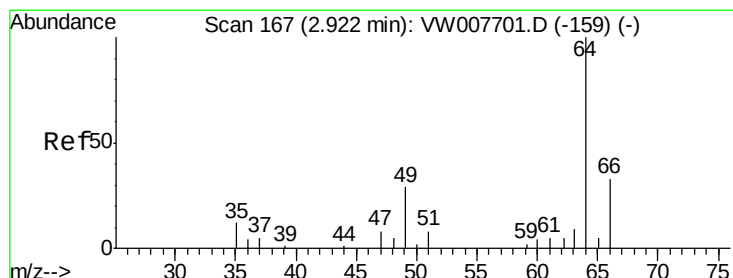
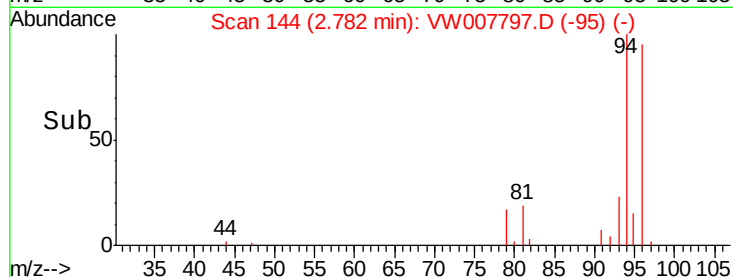
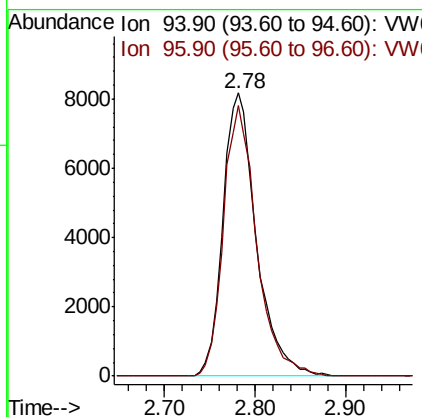
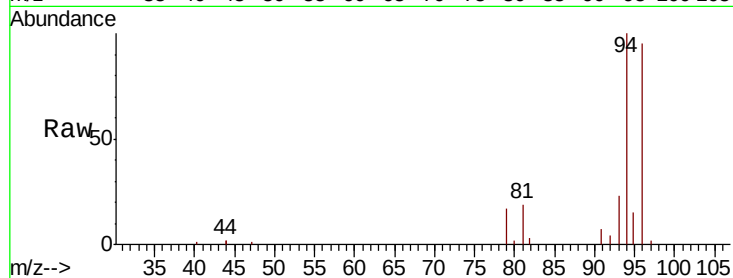
96 95.4 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 57.920 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007797.D

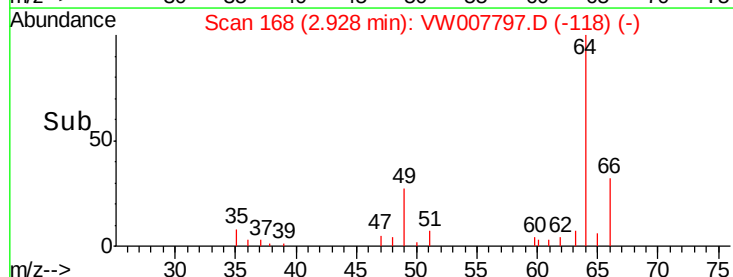
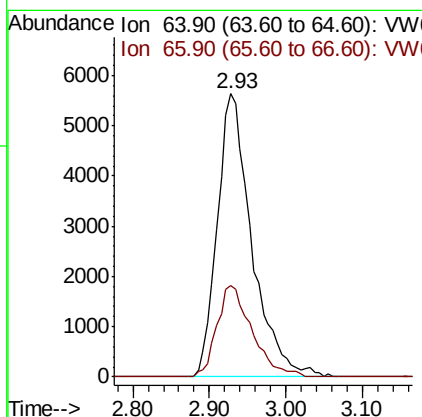
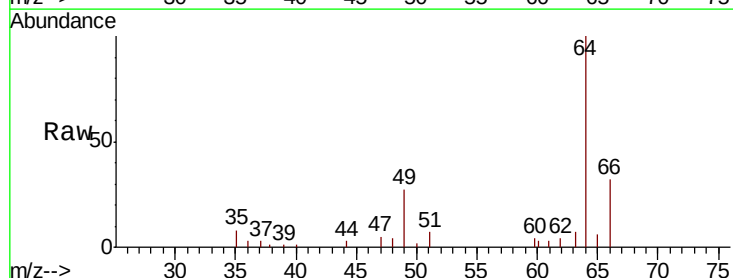
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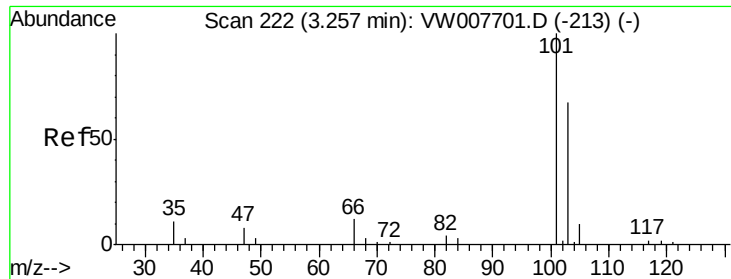
Tgt Ion: 64 Resp: 17565

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.4





#7

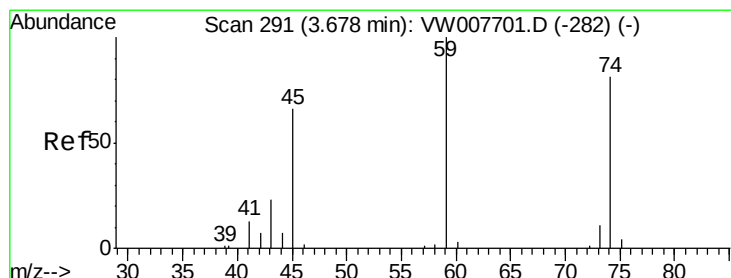
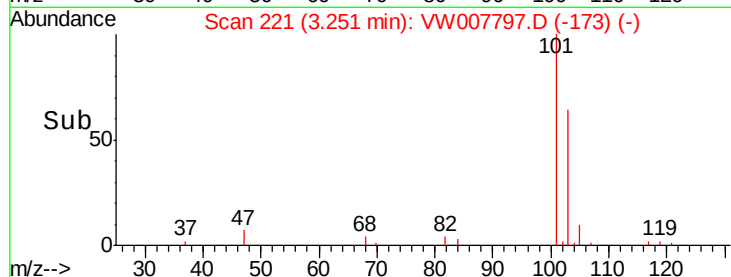
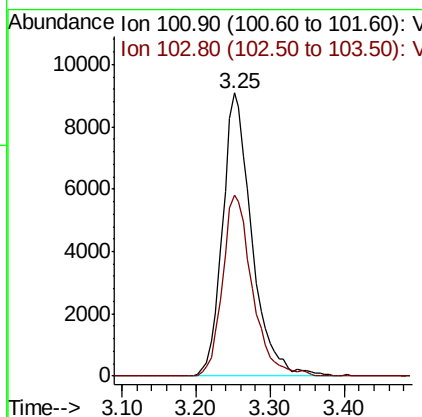
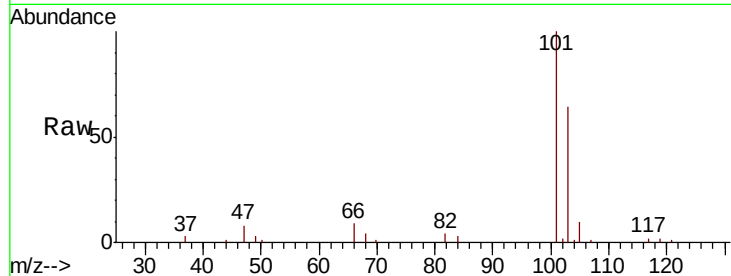
Trichlorofluoromethane
Concen: 42.259 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		24939		
103	63.8	53.4	80.2		

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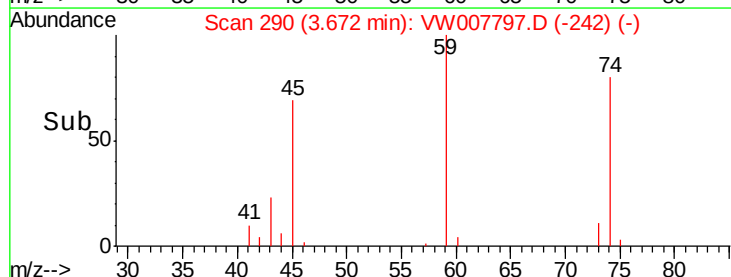
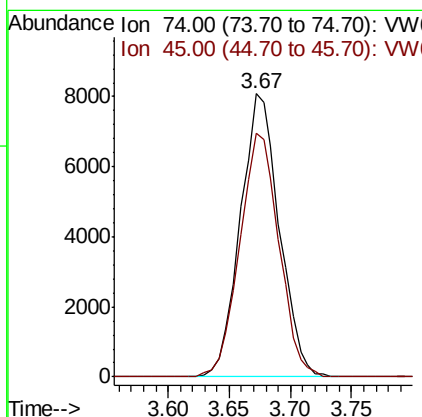
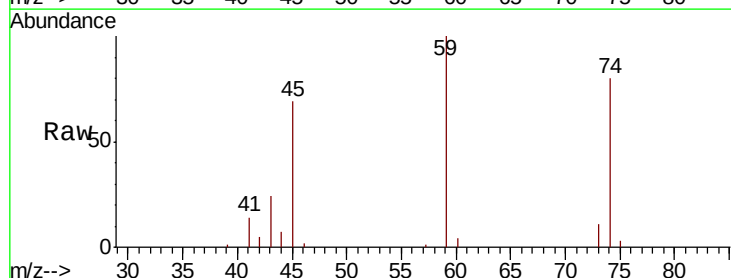
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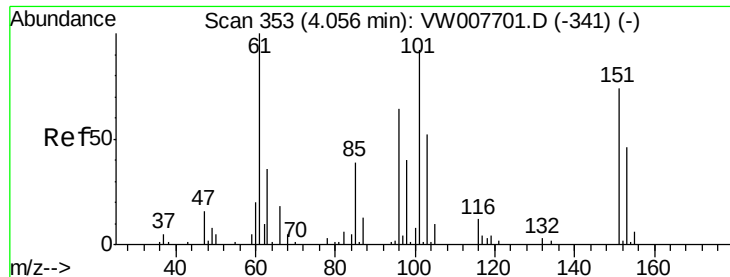


#8

Diethyl Ether
Concen: 49.390 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW007797.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		17853		
45	86.5	39.4	118.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.340 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

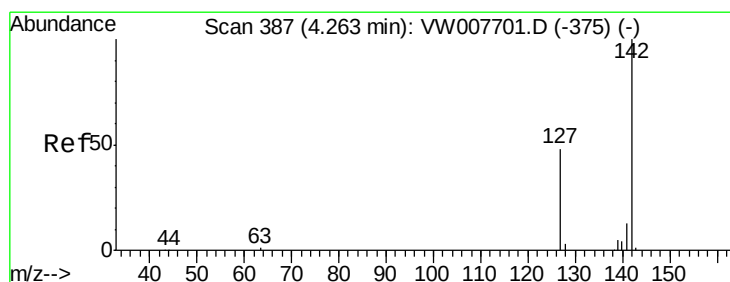
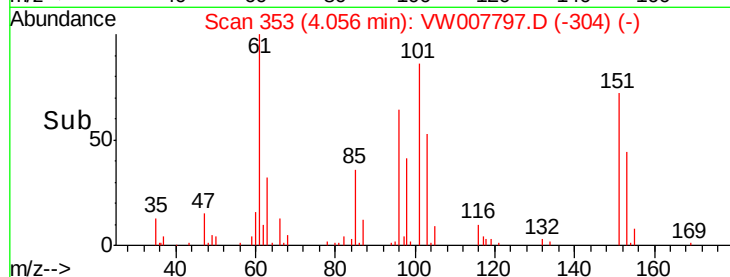
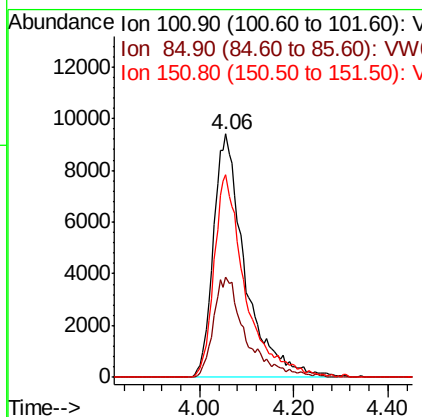
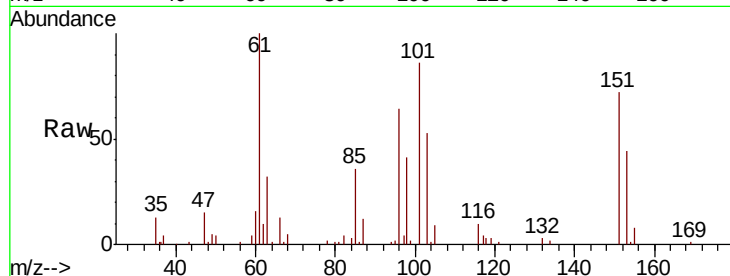
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	43753
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.3	51.5
151	81.0	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 49.243 ug/l

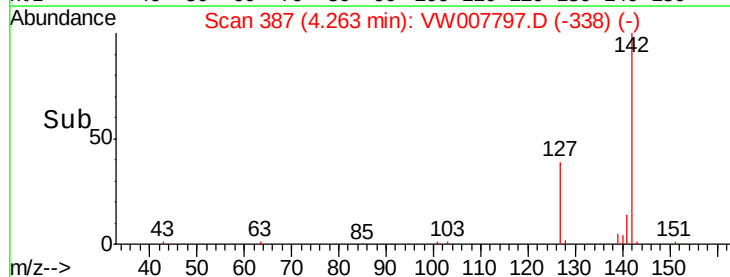
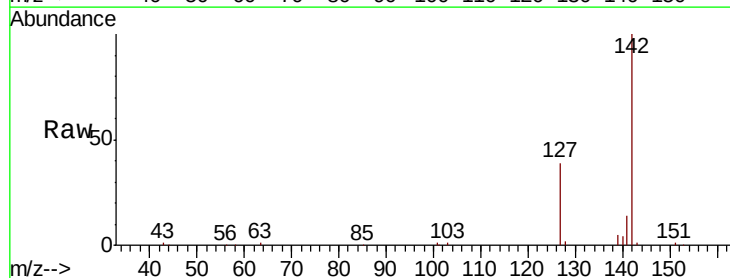
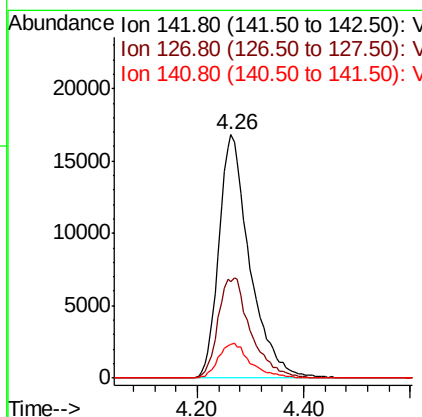
RT: 4.26 min Scan# 387

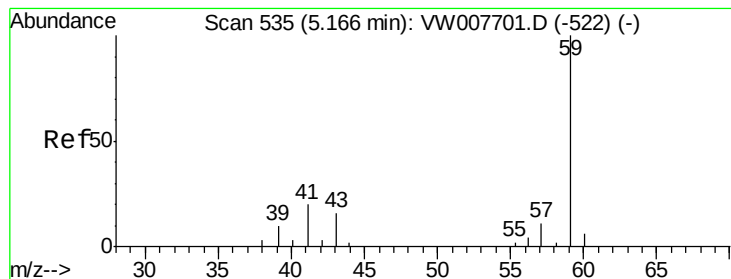
Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion:	142	Resp:	68063
Ion Ratio	Lower	Upper	
142	100		
127	43.6	37.7	56.5
141	14.7	11.5	17.3





#11

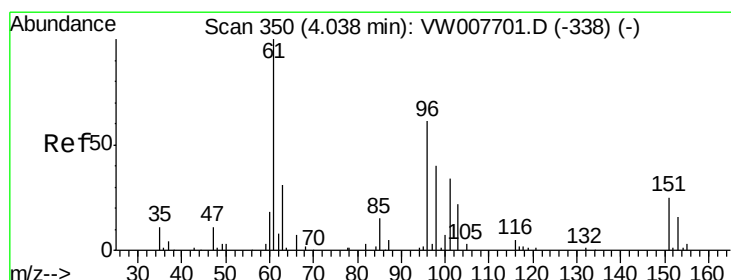
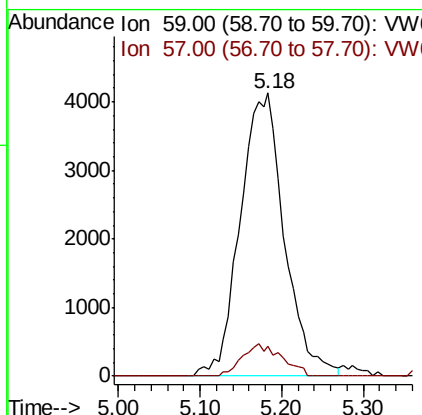
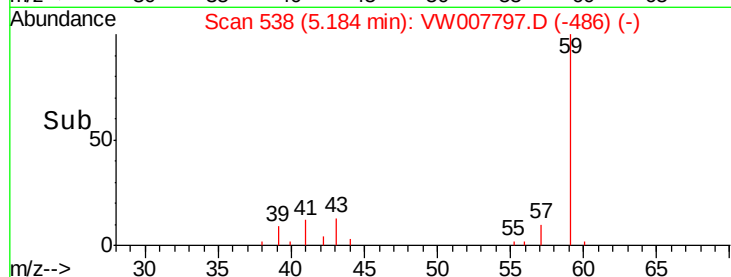
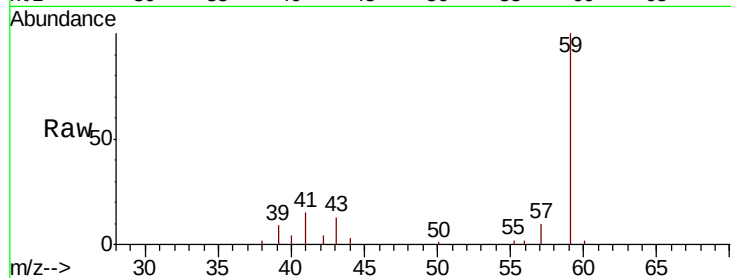
Tert butyl alcohol
 Concen: 256.660 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	15480
Ion Ratio	Lower	Upper	
59	100		
57	10.3	7.8	11.8

Manual Integrations
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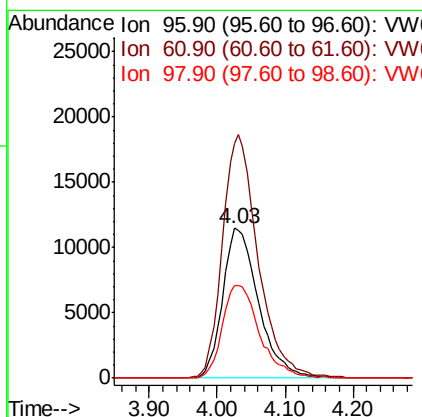
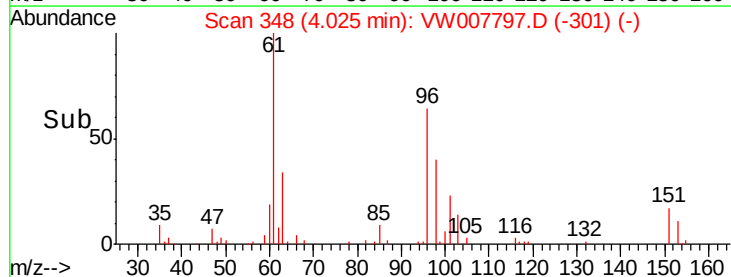
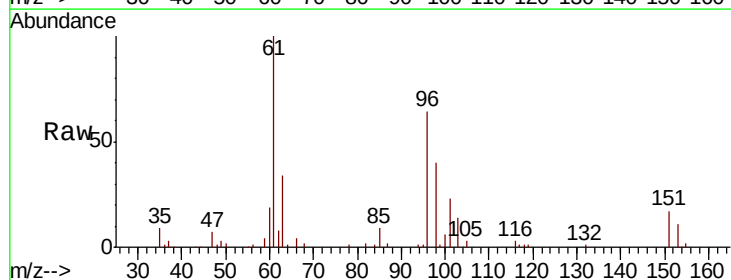
MMDadoda
 12/26/2018 10:58:47 AM

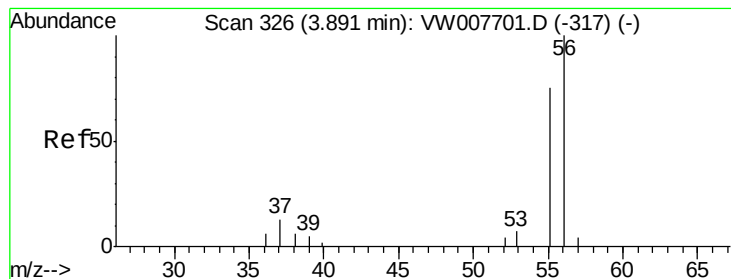


#12

1,1-Dichloroethene
 Concen: 52.090 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	96	Resp	41923
Ion Ratio	Lower	Upper	
96	100		
61	156.5	130.6	195.8
98	62.1	52.3	78.5





#13

Acrolein

Concen: 225.178 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 10859

Ion Ratio Lower Upper

56 100

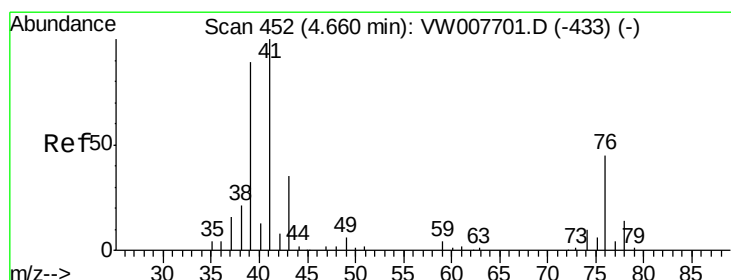
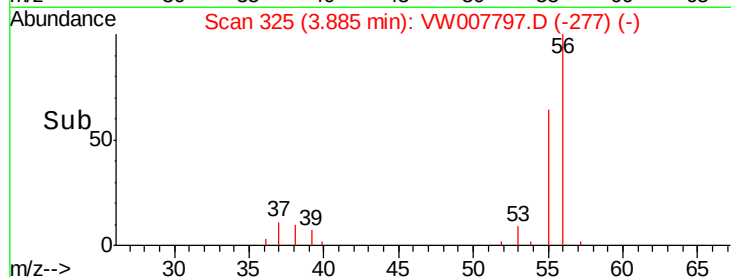
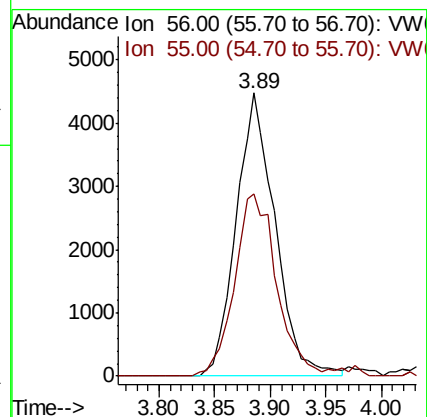
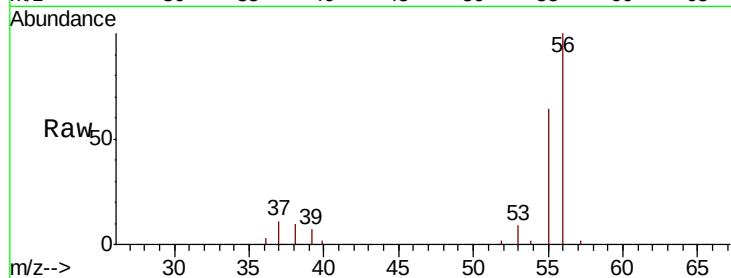
55 69.1 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 55.260 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

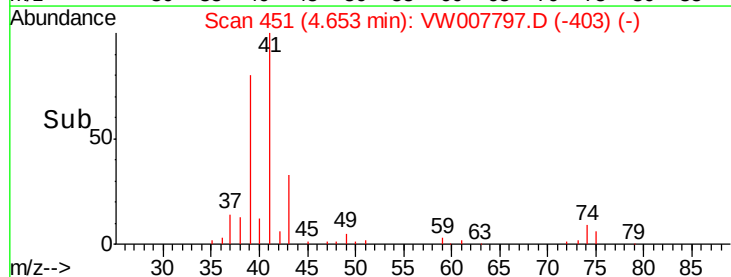
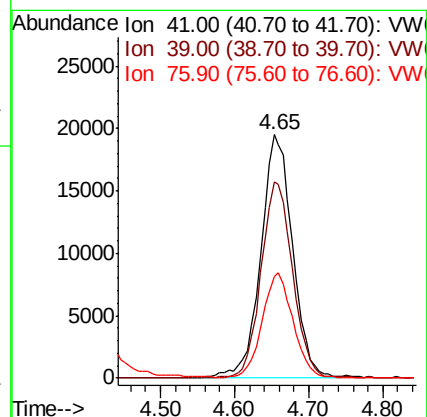
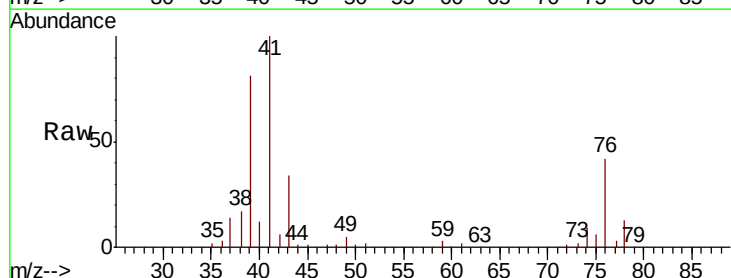
Tgt Ion: 41 Resp: 58322

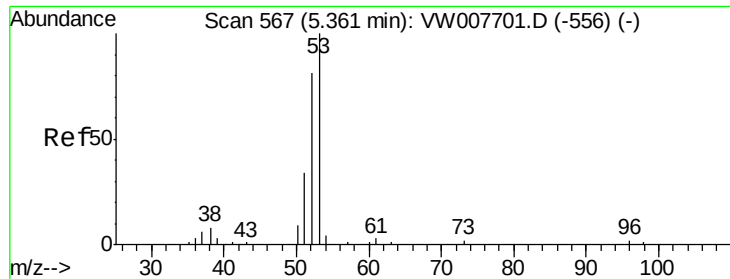
Ion Ratio Lower Upper

41 100

39 80.3 69.5 104.3

76 42.0 34.8 52.2





#15

Acrylonitrile

Concen: 273.801 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

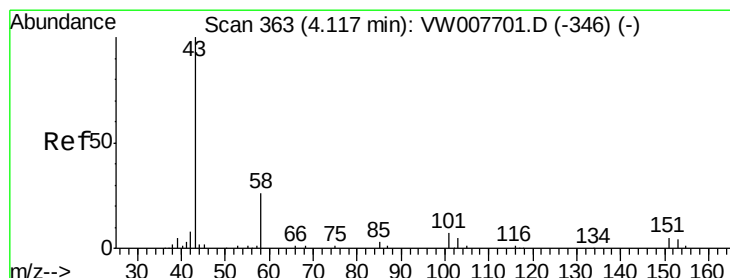
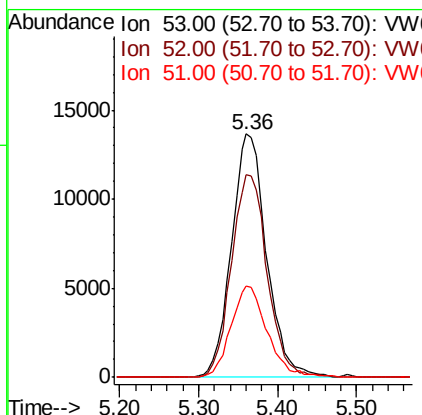
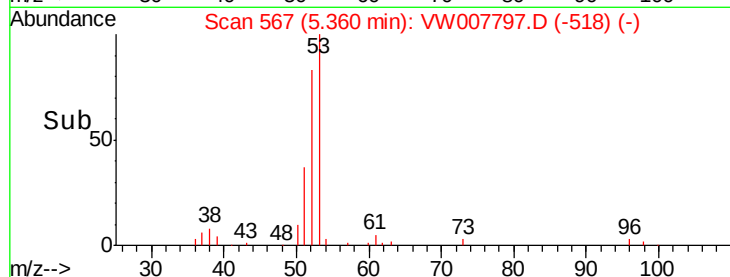
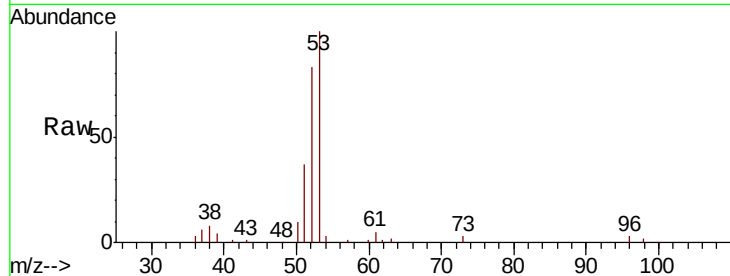
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	42218
Ion	Ratio	Lower	Upper
53	100		
52	84.9	67.0	100.4
51	38.9	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 259.636 ug/l

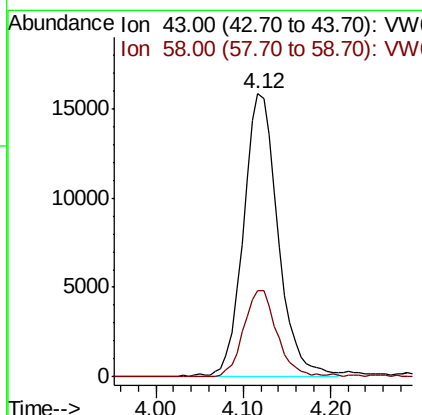
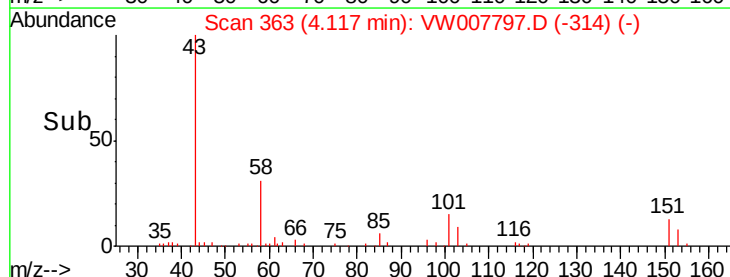
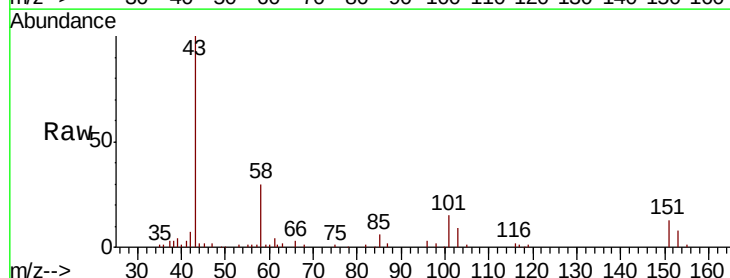
RT: 4.12 min Scan# 363

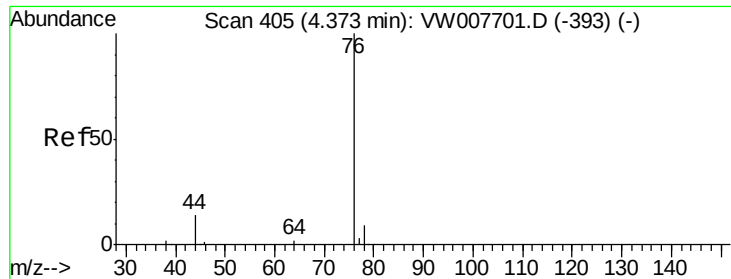
Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion:	43	Resp:	43470
Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.2	31.8





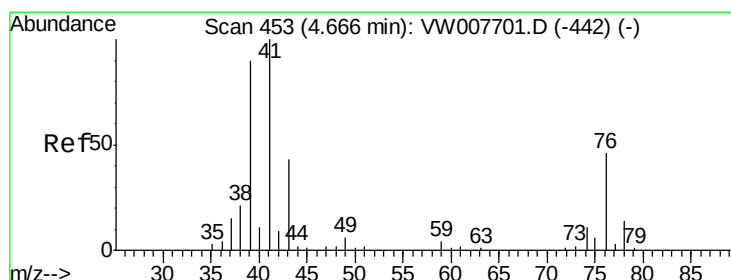
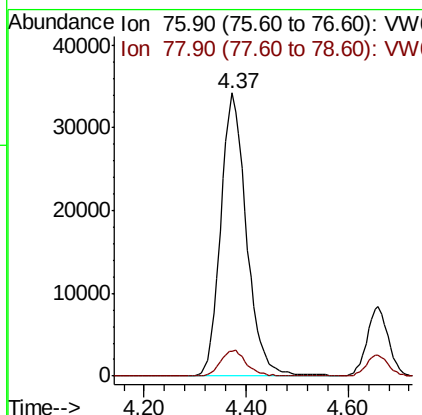
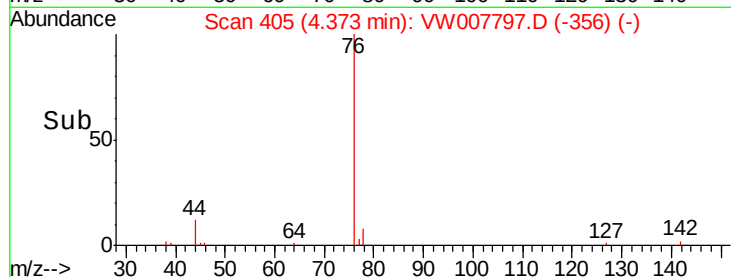
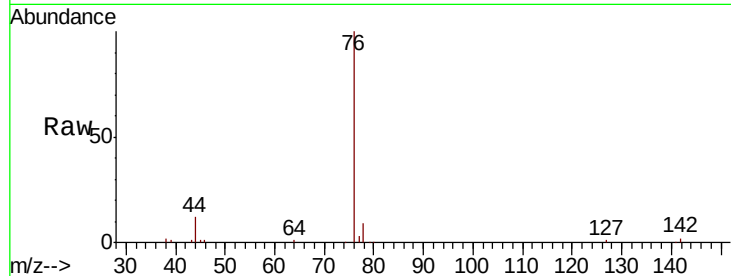
#17
Carbon Disulfide
Concen: 48.354 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

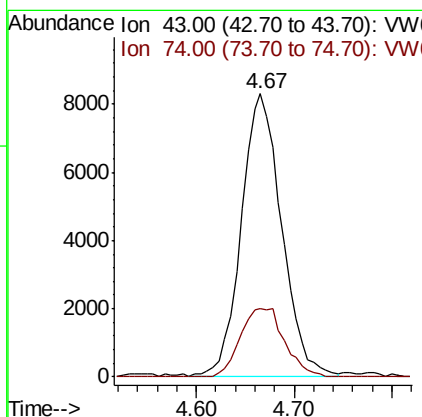
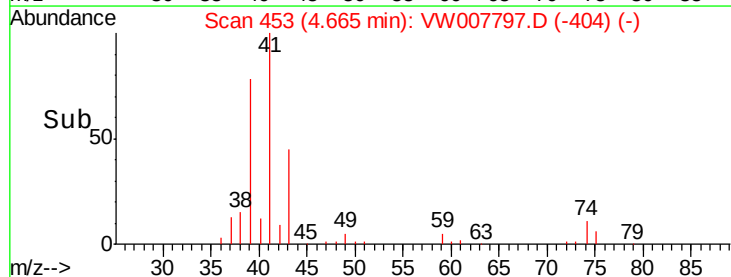
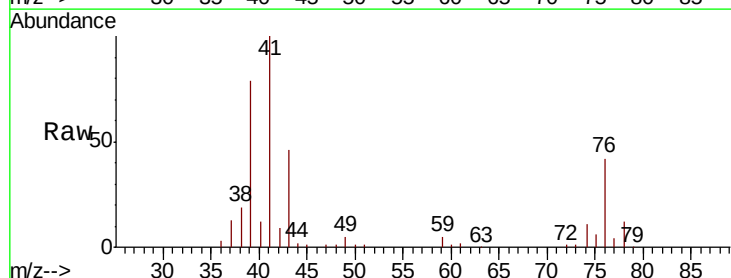
Manual Integrations
APPROVED

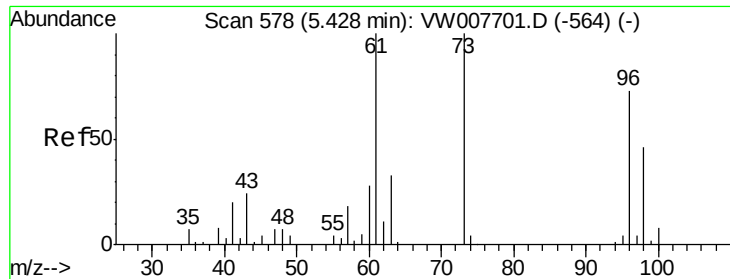
MMDadoda
12/26/2018 10:58:47 AM



#18
Methyl Acetate
Concen: 59.785 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	22.7	34.1





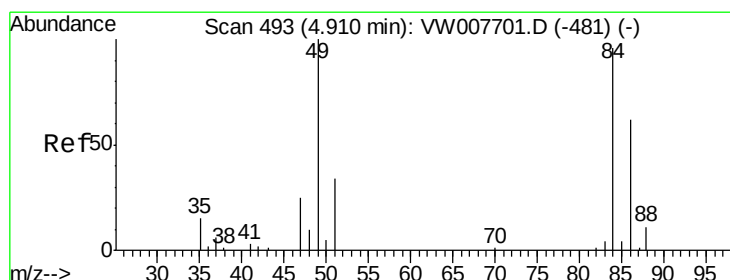
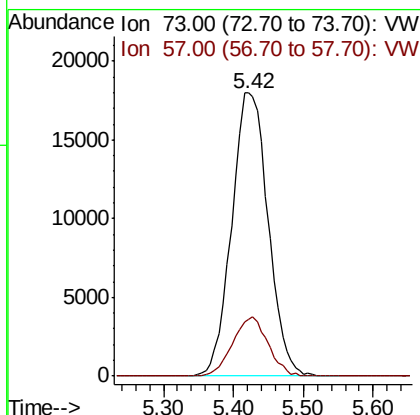
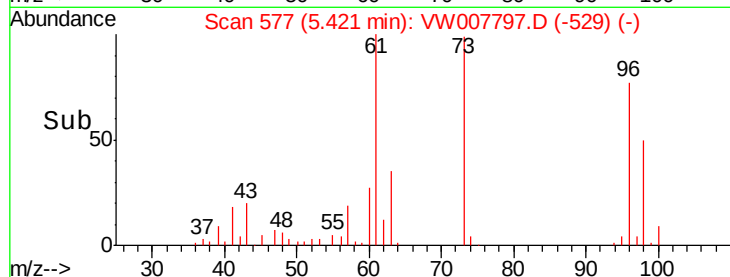
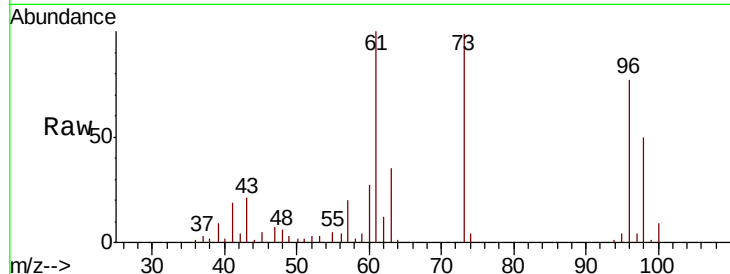
#19
Methyl tert-butyl Ether
Concen: 56.205 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 64941
Ion Ratio Lower Upper
73 100
57 19.9 14.7 22.1

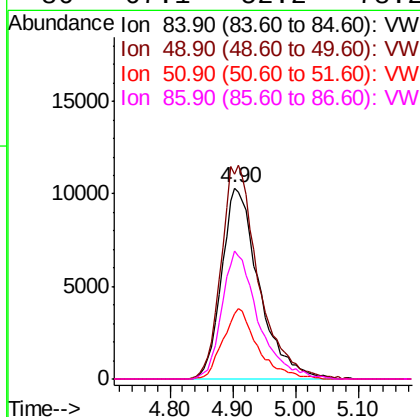
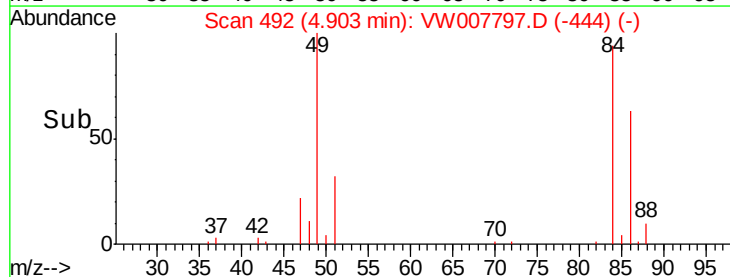
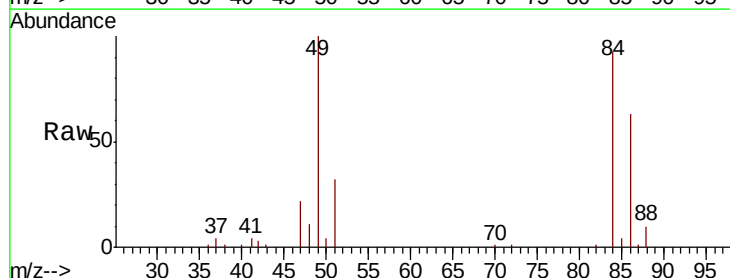
Manual Integrations
APPROVED

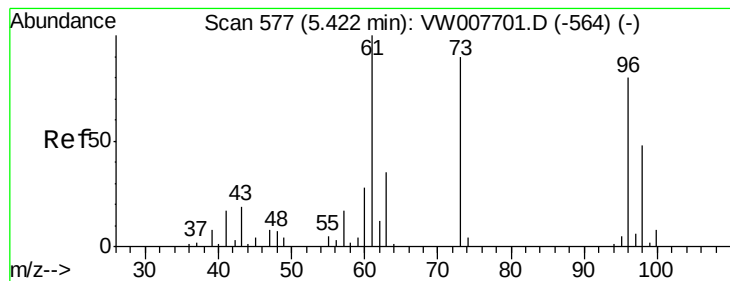
MMDadoda
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#20
Methylene Chloride
Concen: 50.908 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 84 Resp: 42529
Ion Ratio Lower Upper
84 100
49 107.2 83.7 125.5
51 33.9 28.2 42.2
86 67.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 52.326 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 46317

Ion Ratio Lower Upper

96 100

61 128.8 100.1 150.1

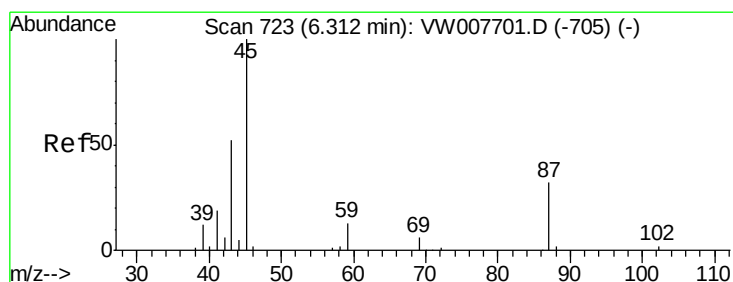
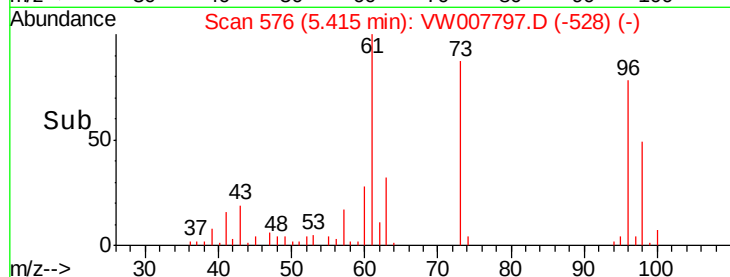
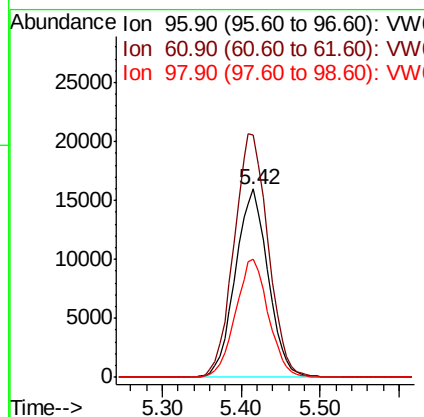
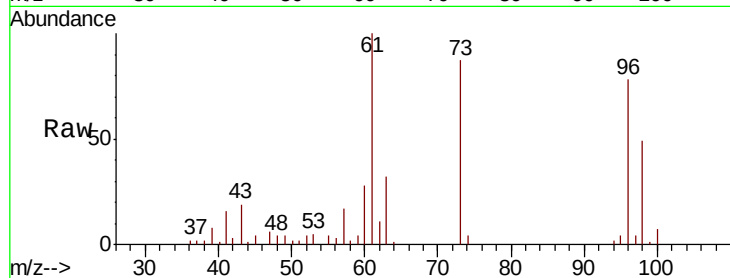
98 62.8 48.5 72.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 56.815 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion: 45 Resp: 112280

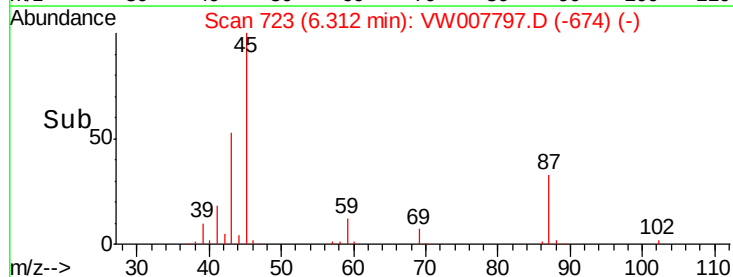
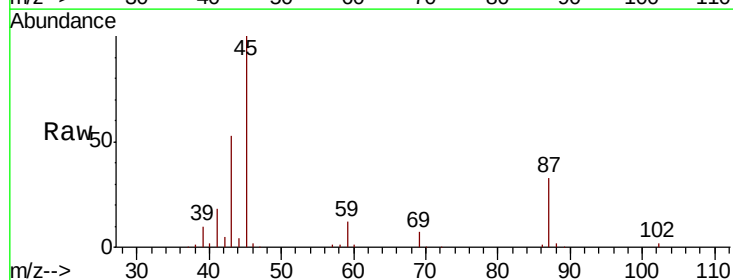
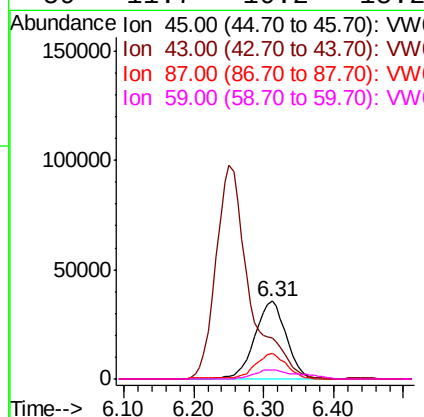
Ion Ratio Lower Upper

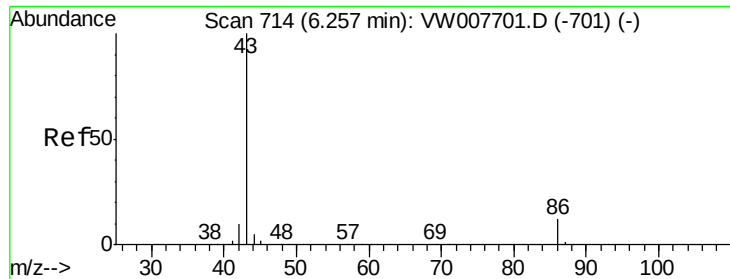
45 100

43 52.1 43.7 65.5

87 32.8 26.6 40.0

59 11.7 10.2 15.2





#23

Vinyl Acetate

Concen: 277.634 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 325981

Ion Ratio Lower Upper

43 100

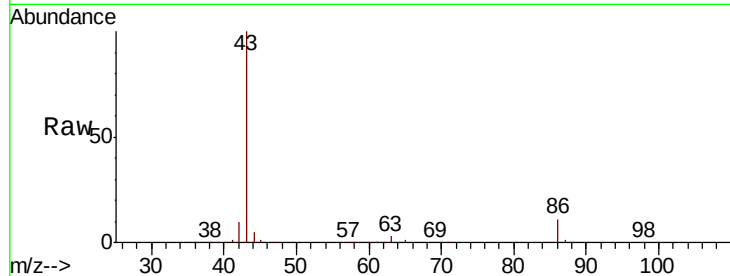
86 11.2 9.6 14.4

Manual Integrations

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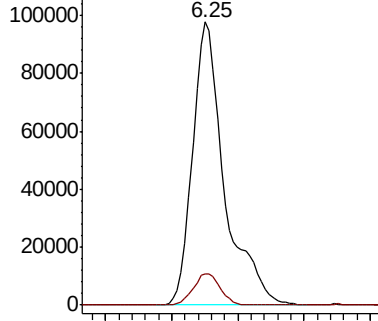
MMDadoda

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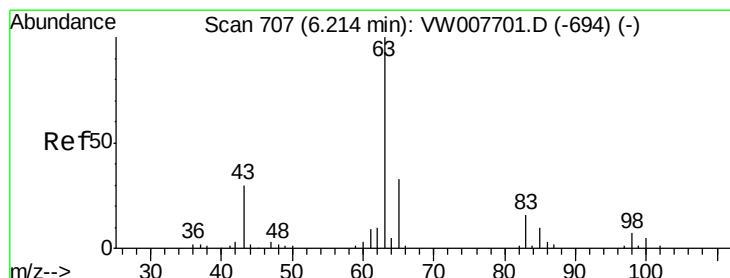
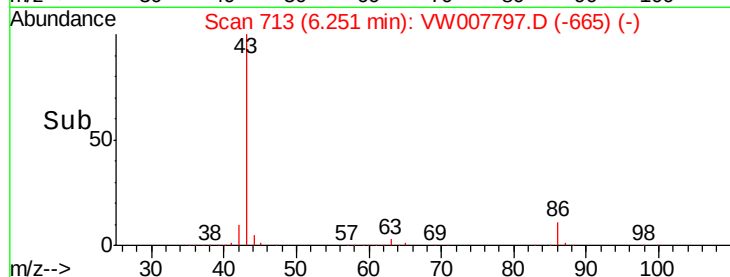


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 53.052 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

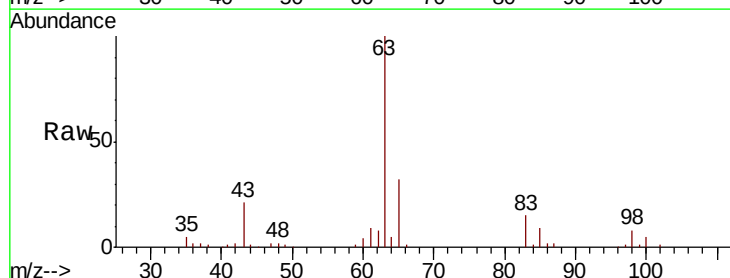
Tgt Ion: 63 Resp: 77129

Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.9

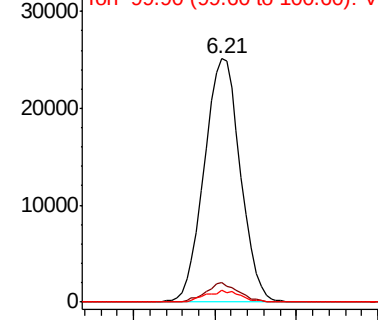
100 4.8 2.5 7.5



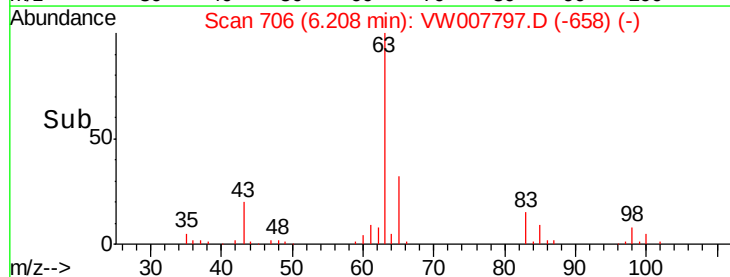
Abundance Ion 62.90 (62.60 to 63.60): VW

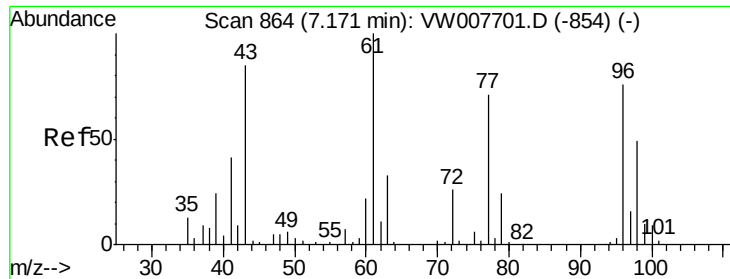
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 276.142 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 54153

Ion Ratio Lower Upper

43 100

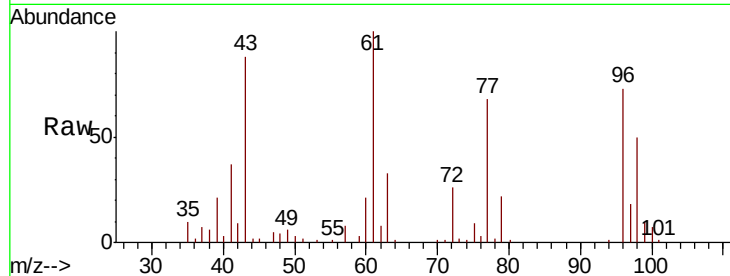
72 29.2 24.5 36.7

Manual Integrations

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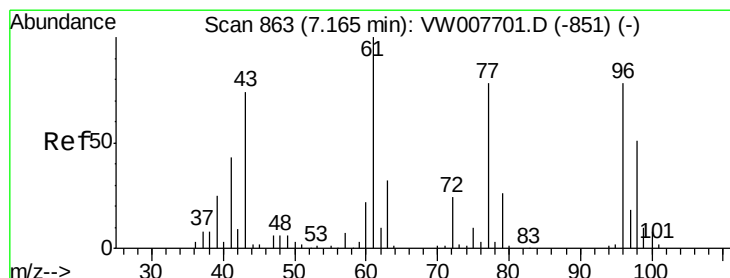
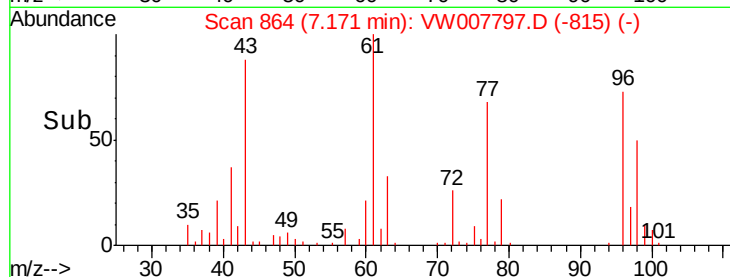
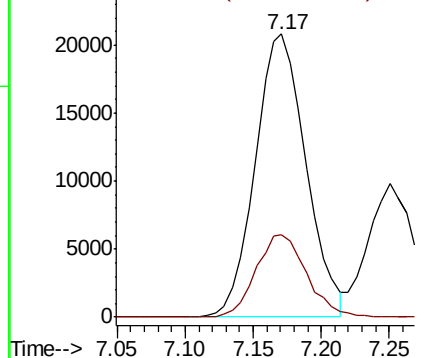
MMDadoda

12/26/2018 10:58:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 50.011 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007797.D

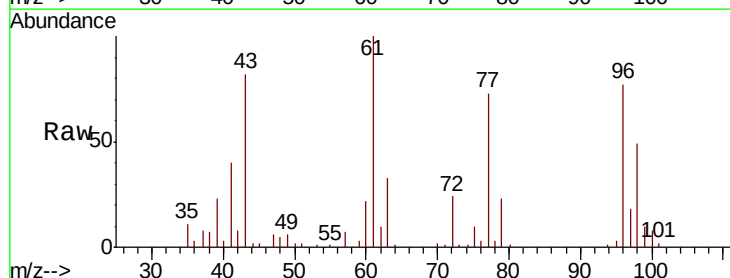
Acq: 21 Dec 2018 16:01

Tgt Ion: 77 Resp: 53205

Ion Ratio Lower Upper

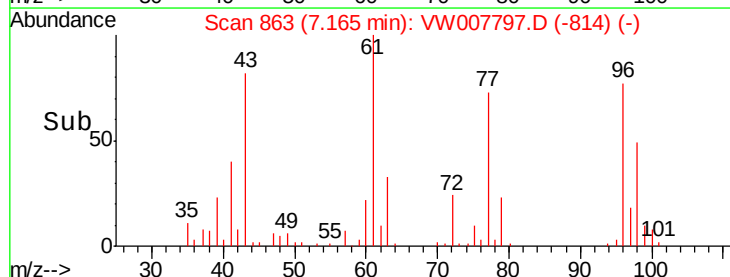
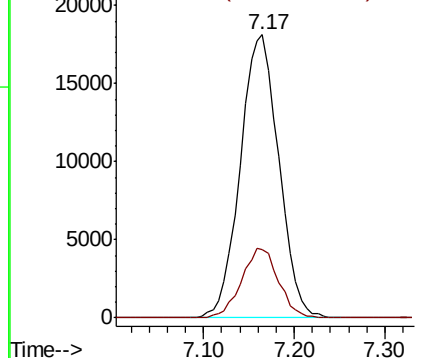
77 100

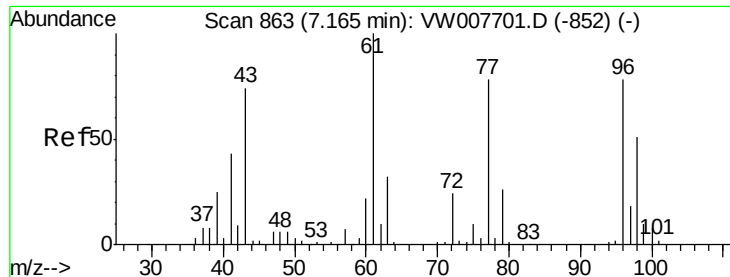
97 23.5 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

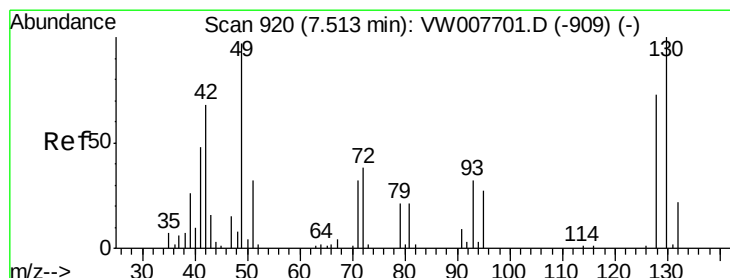
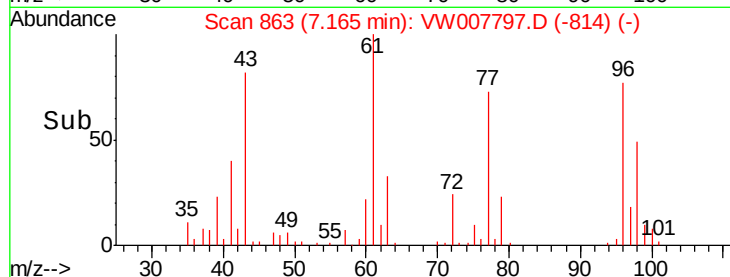
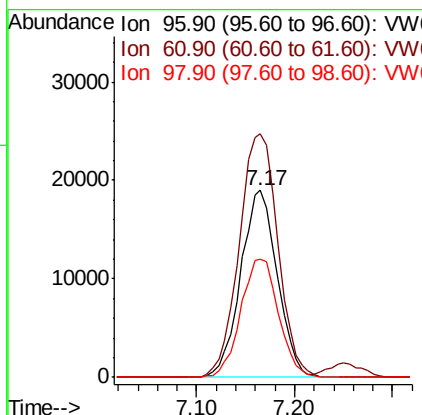
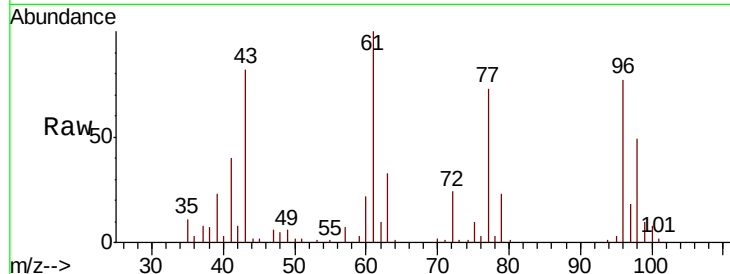
cis-1,2-Dichloroethene
Concen: 52.133 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	271.6
98	65.1	0.0	131.2

Manual Integrations
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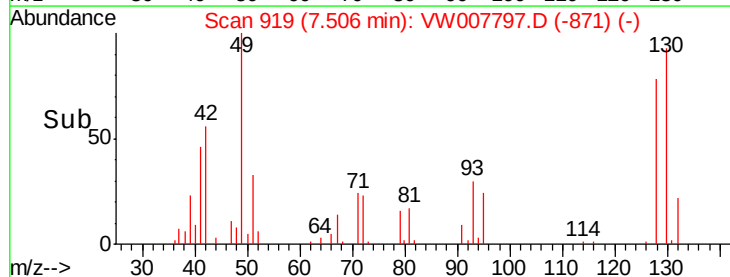
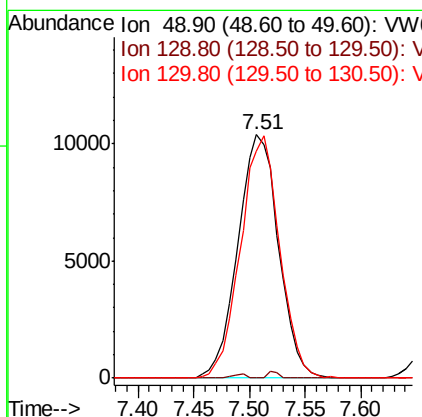
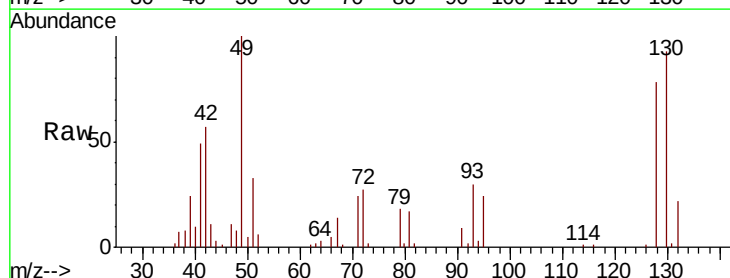
MMDadoda
12/26/2018 10:58:47 AM

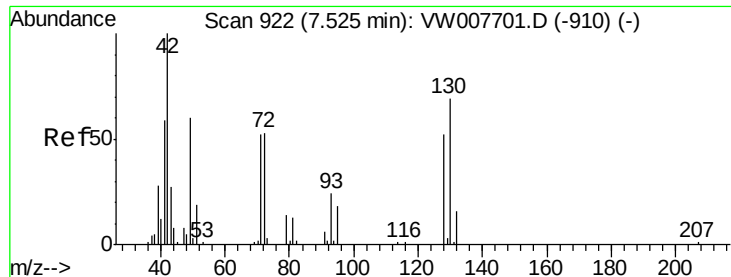


#28

Bromochloromethane
Concen: 53.279 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.2
130	95.7	81.5	122.3





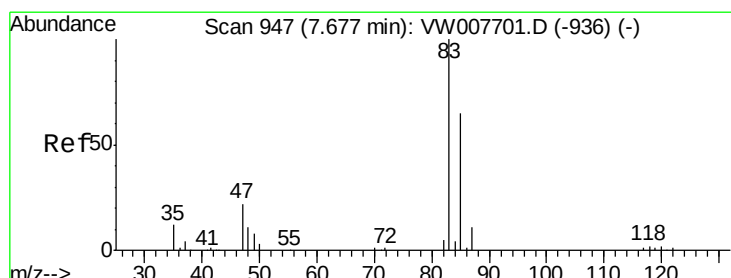
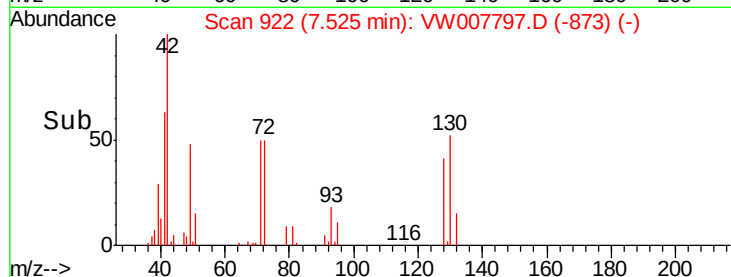
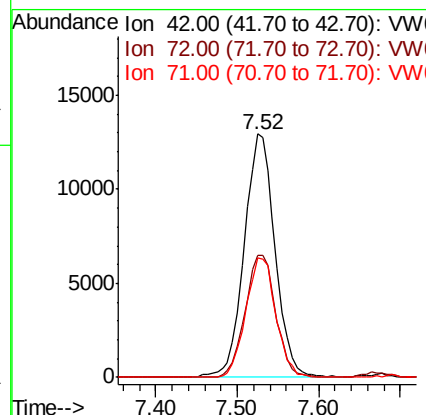
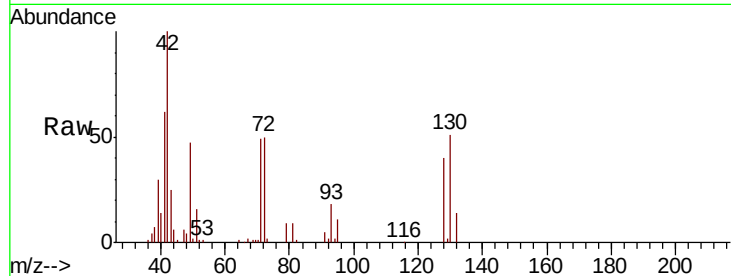
#29
Tetrahydrofuran
Concen: 289.509 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	41.7	62.5
71	47.7	39.0	58.6

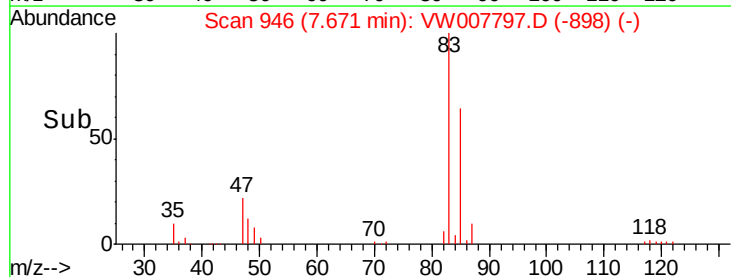
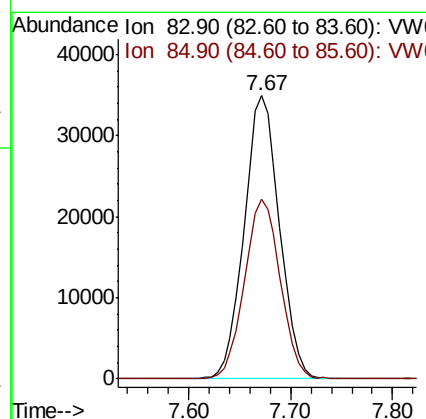
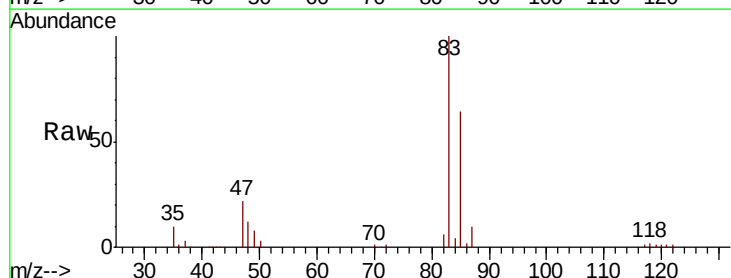
Manual Integrations
APPROVED

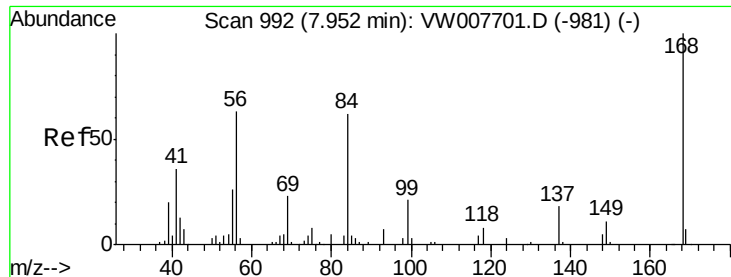
MMDadoda
12/26/2018 10:58:47 AM



#30
Chloroform
Concen: 50.997 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.2





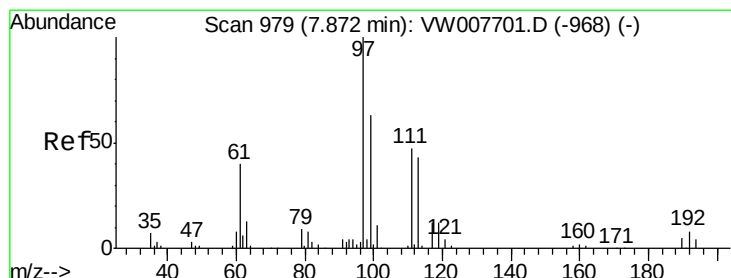
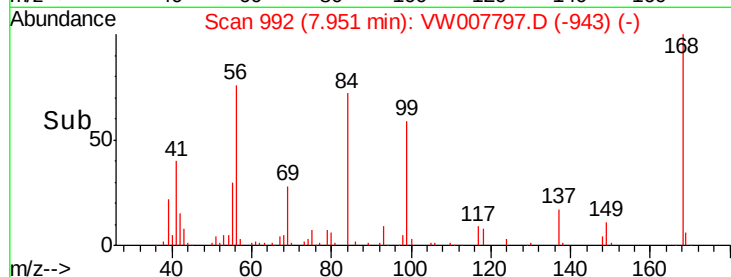
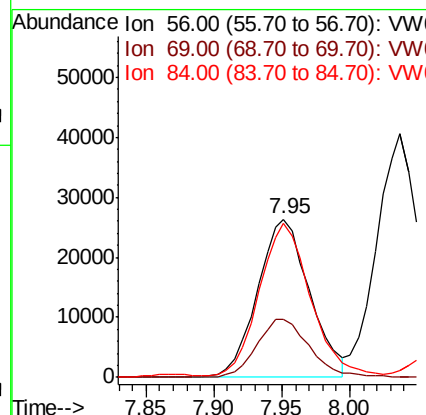
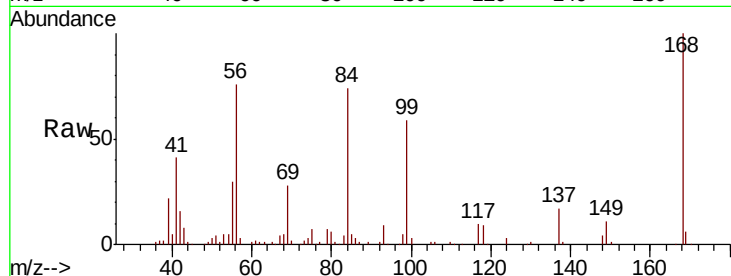
#31
Cyclohexane
Concen: 52.838 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	29.7	44.5
84	96.3	78.9	118.3

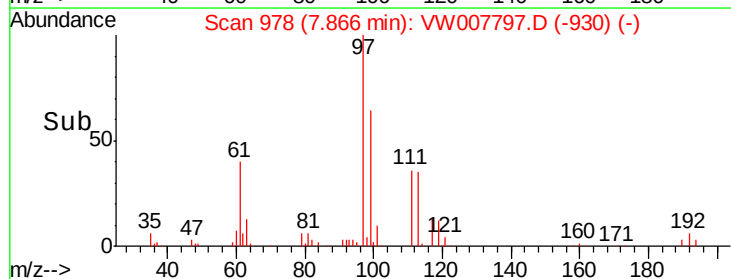
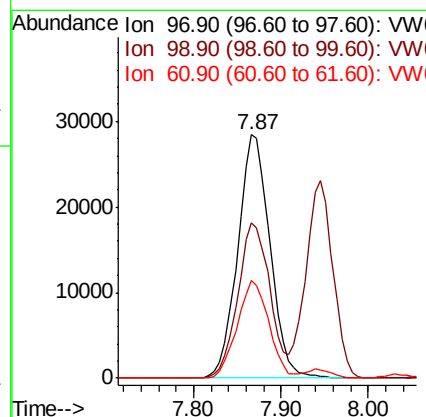
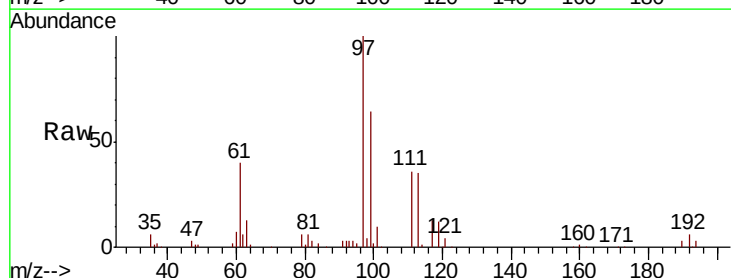
Manual Integrations
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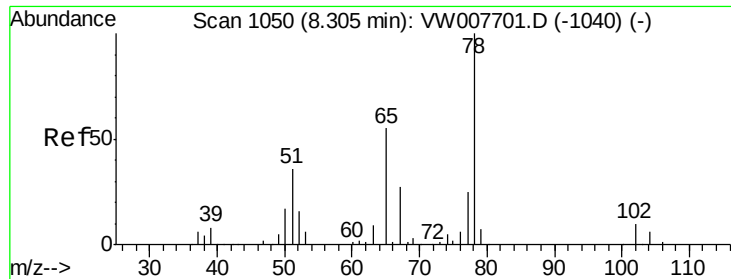
MMDadoda
12/26/2018 10:58:47 AM



#32
1,1,1-Trichloroethane
Concen: 48.555 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	39.4	32.3	48.5





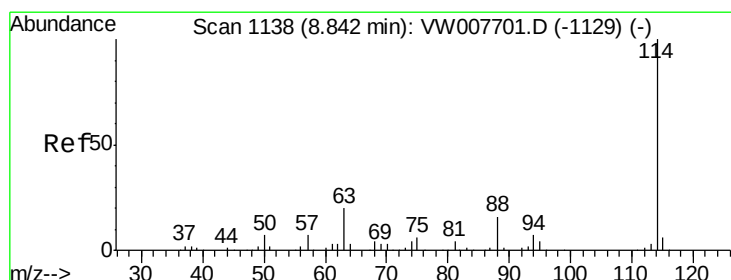
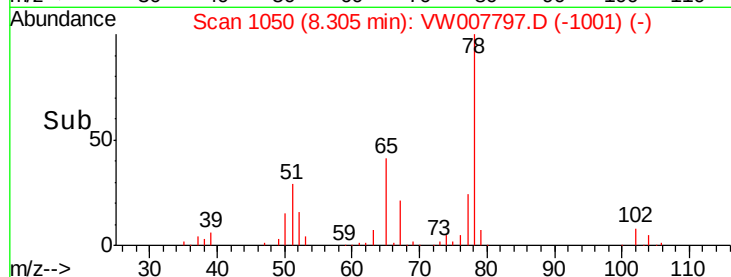
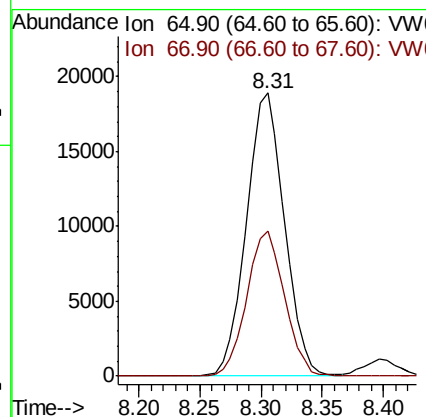
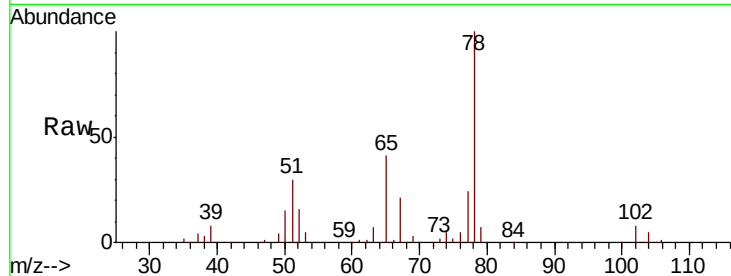
#33
 1,2-Dichloroethane-d4
 Concen: 45.811 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	40959		
67	50.8		0.0	100.6

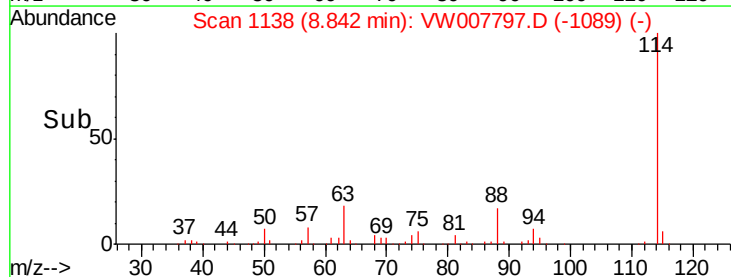
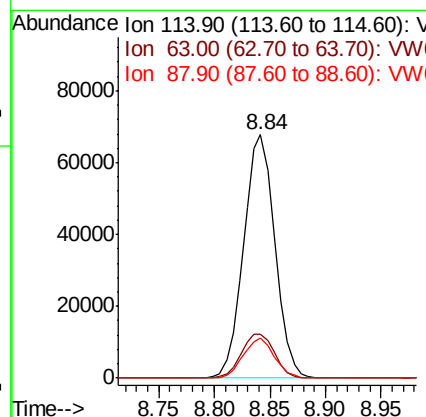
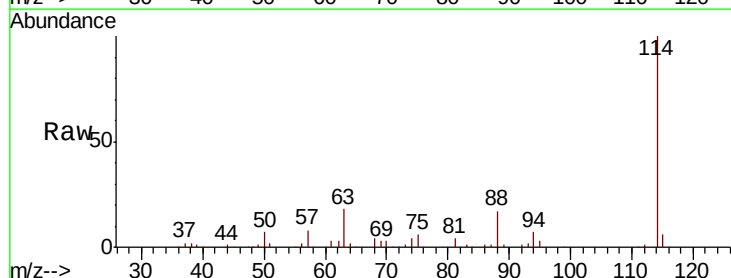
Manual Integrations
 APPROVED

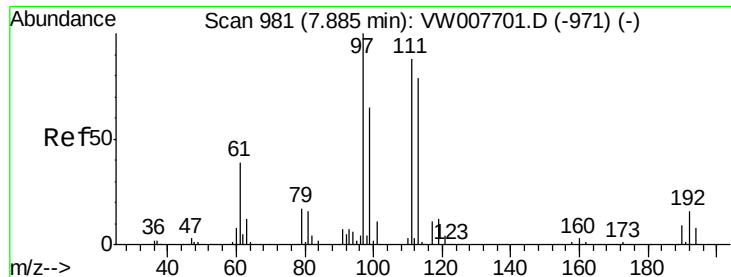
MMDadoda
 12/26/2018 10:58:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	131826		
63	17.8		0.0	40.0
88	16.5		0.0	32.6





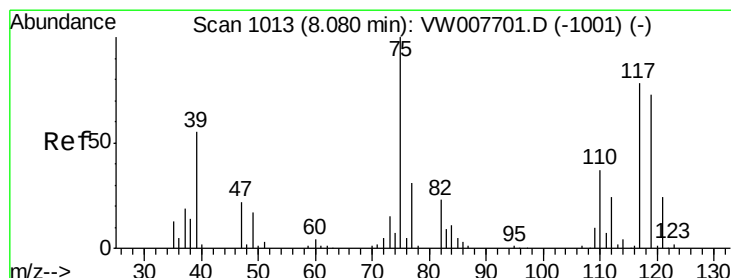
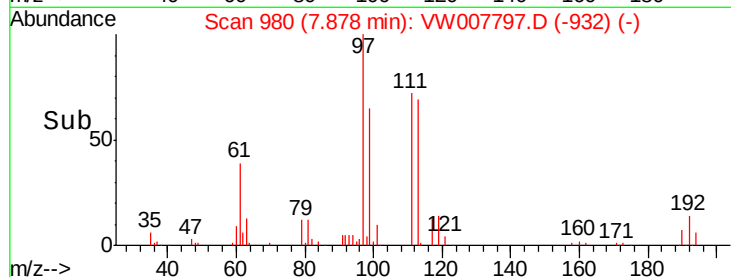
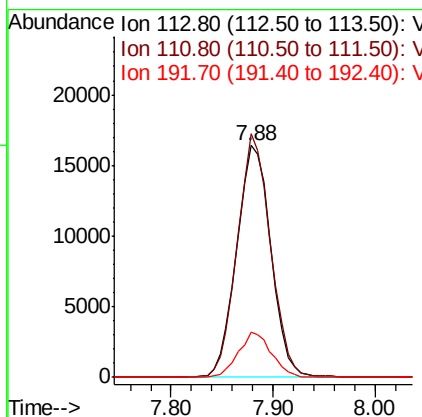
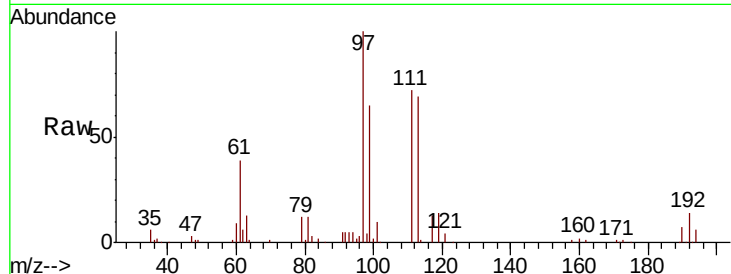
#35
 Dibromofluoromethane
 Concen: 47.698 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	38359		
111	101.5	82.6	124.0	
192	18.5	15.5	23.3	

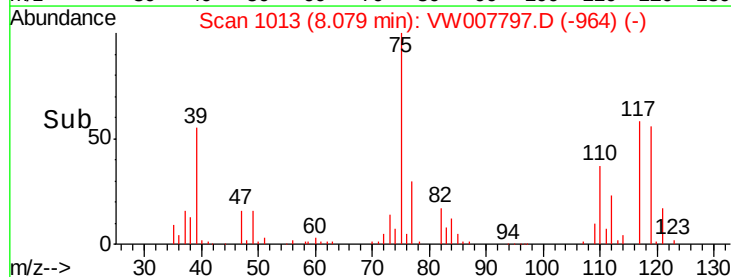
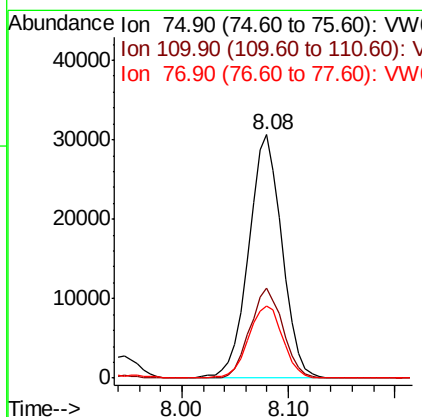
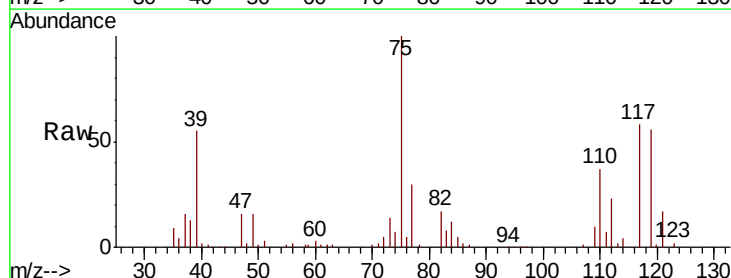
Manual Integrations
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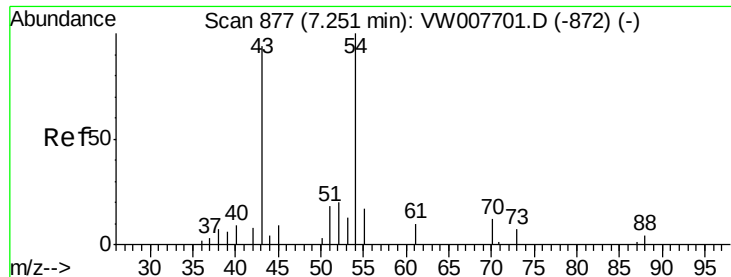
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 12/26/2018 10:58:47 AM



#36
 1,1-Dichloropropene
 Concen: 52.690 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67041		
110	36.6	18.6	55.8	
77	30.9	25.0	37.4	





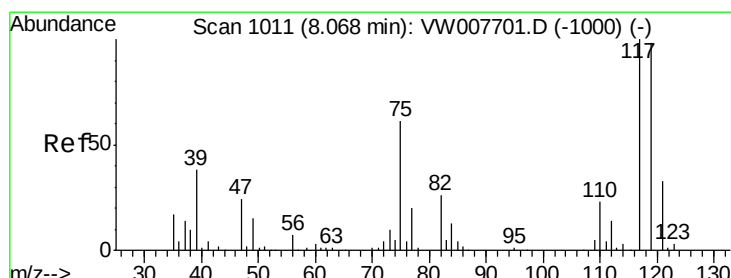
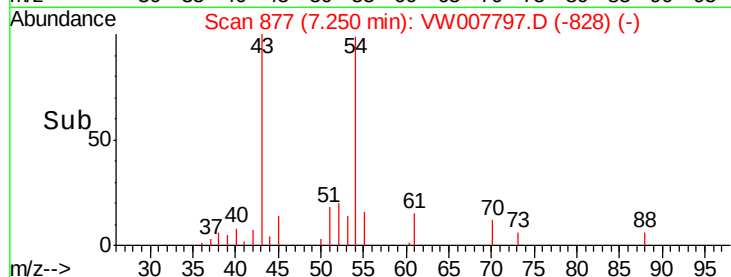
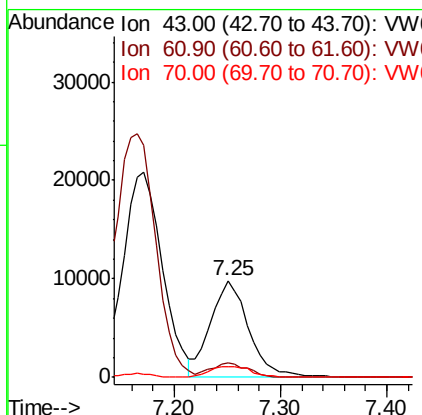
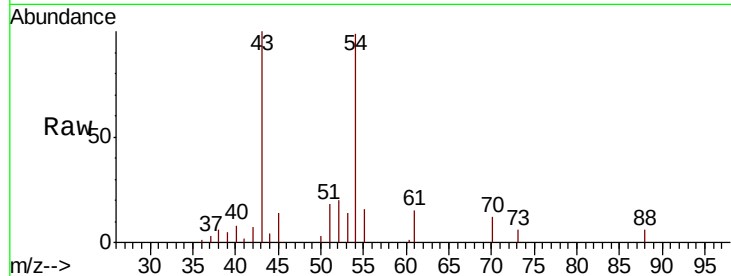
#37
Ethyl Acetate
Concen: 56.054 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	12.0	9.3	13.9

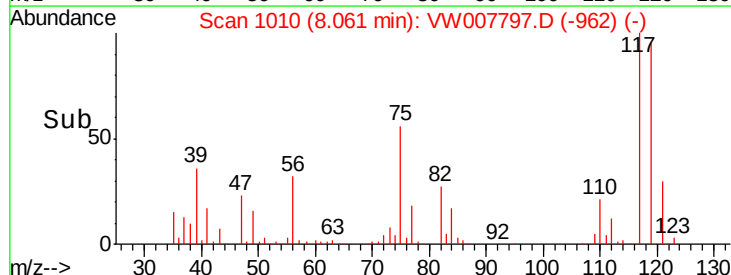
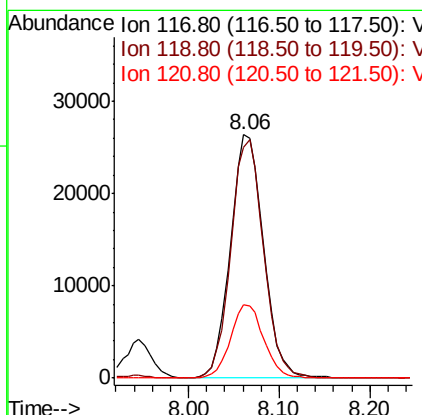
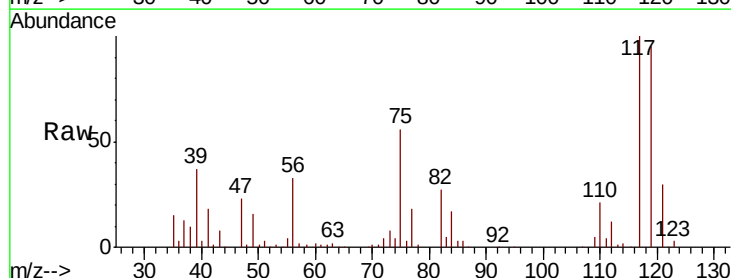
Manual Integrations
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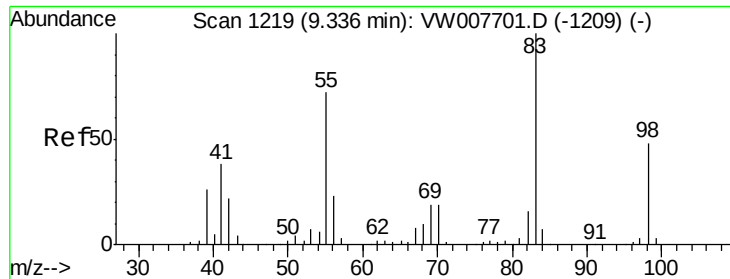
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#38
Carbon Tetrachloride
Concen: 44.810 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.2	117.2
121	30.2	26.1	39.1





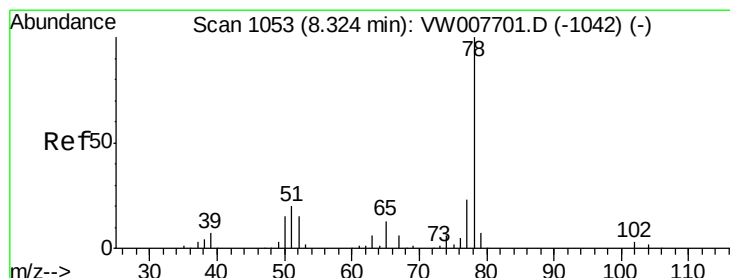
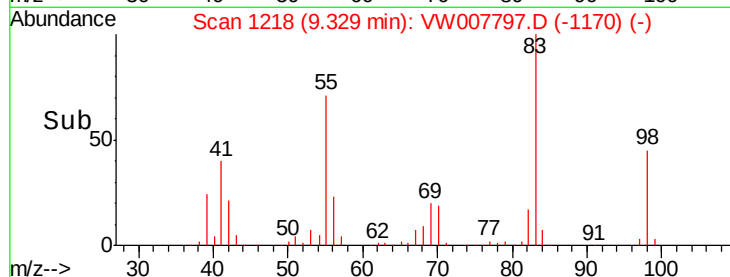
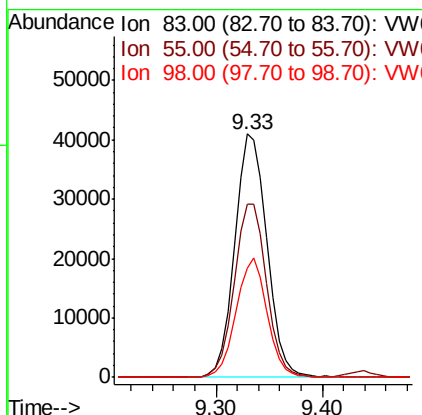
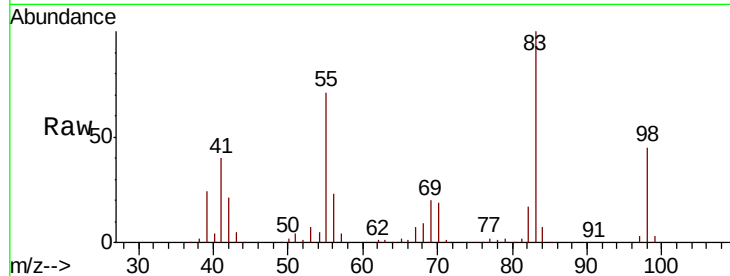
#39
Methylvlcyclohexane
Concen: 54.977 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	57.2	85.8
98	44.9	38.6	58.0

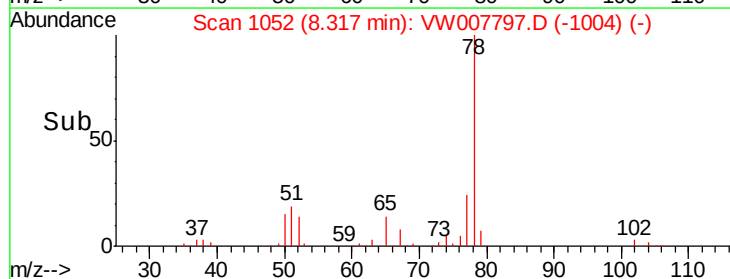
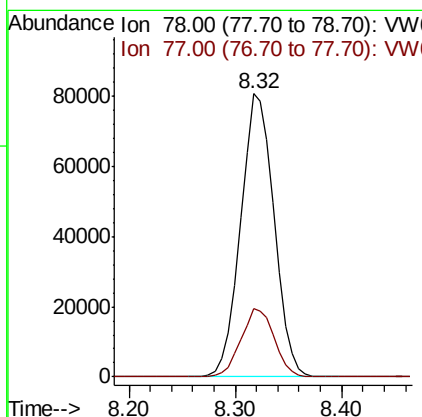
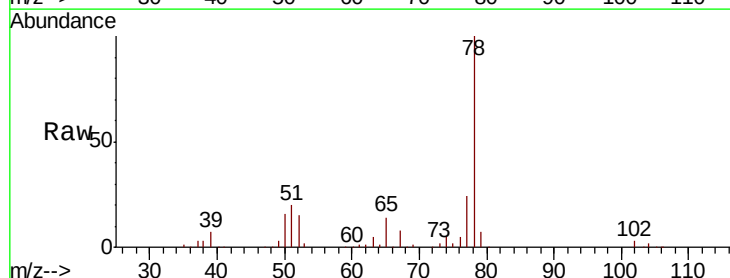
Manual Integrations
APPROVED

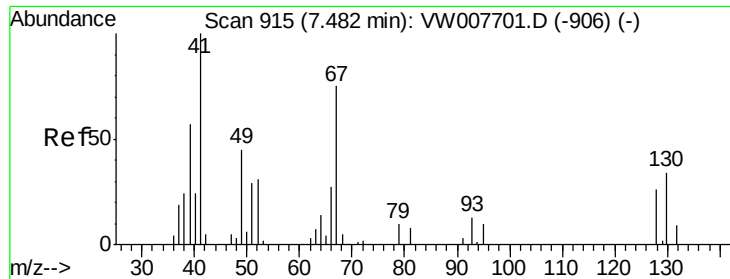
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#40
Benzene
Concen: 52.482 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





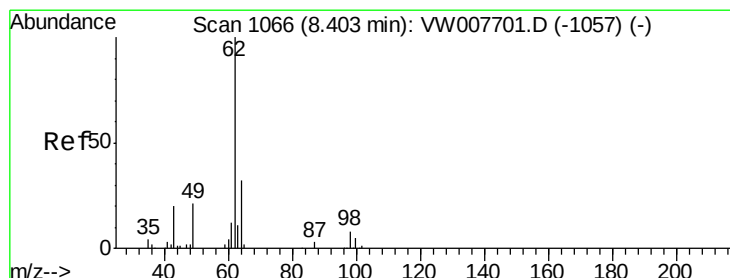
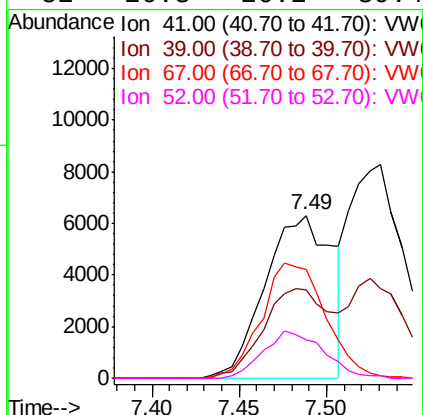
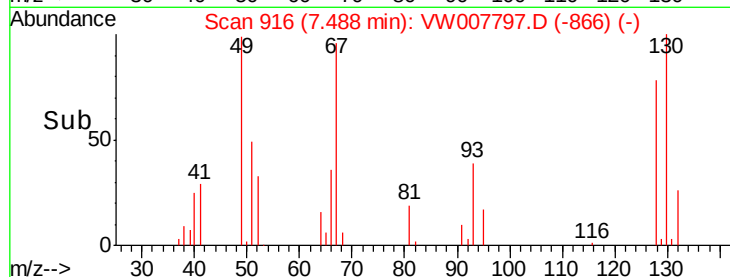
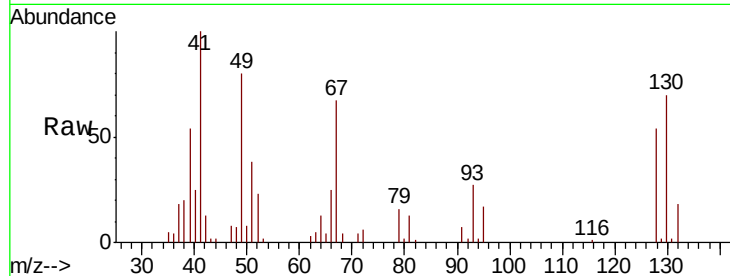
#41
Methacrylonitrile
Concen: 67.576 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	16847
Ion	Ratio	Lower	Upper
41	100		
39	55.1	54.2	81.4
67	67.8	65.7	98.5
52	26.3	26.2	39.4

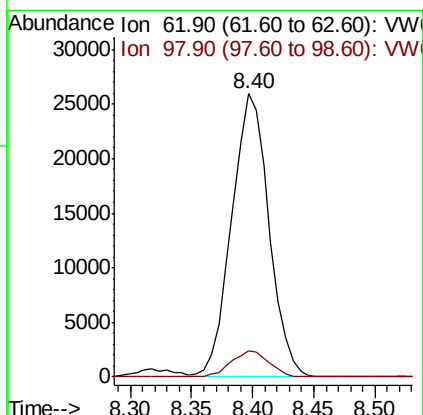
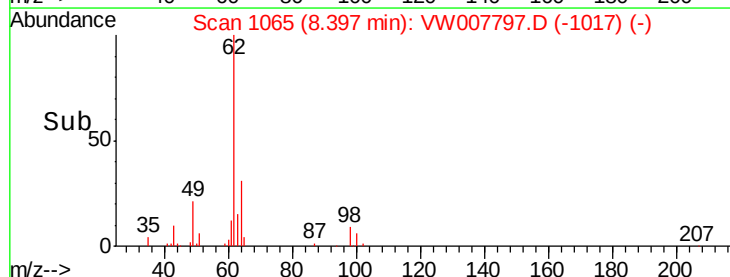
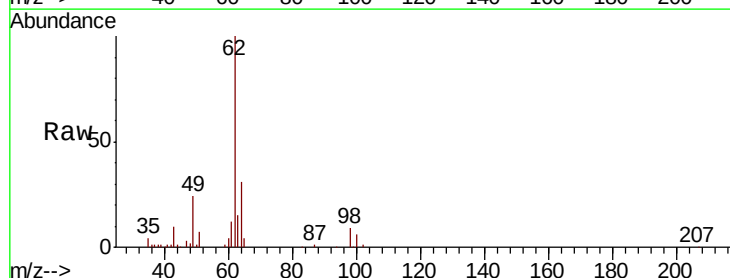
Manual Integrations
APPROVED

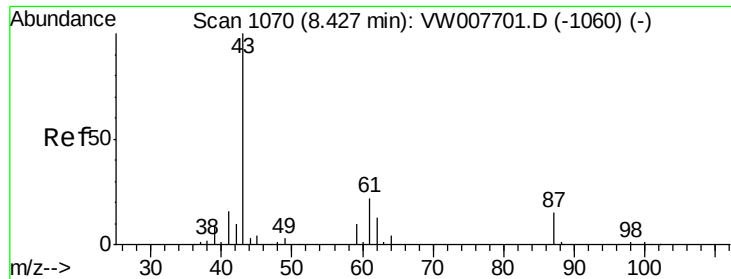
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.261 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion:	62	Resp:	54912
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 54.520 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

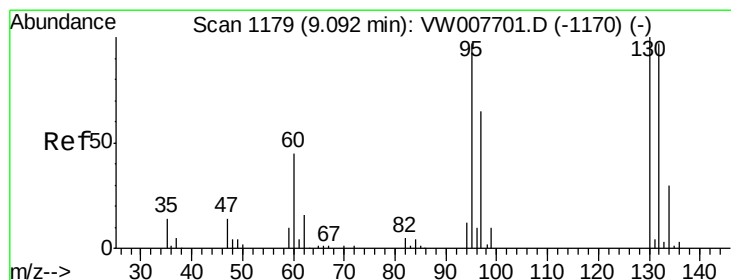
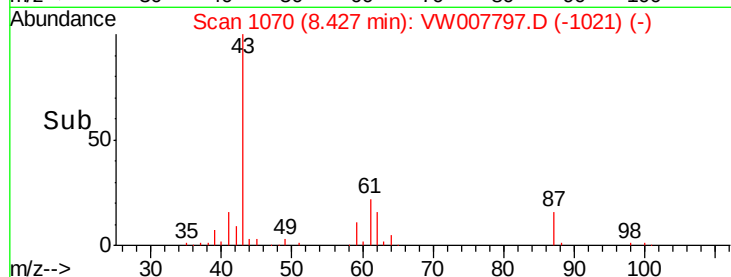
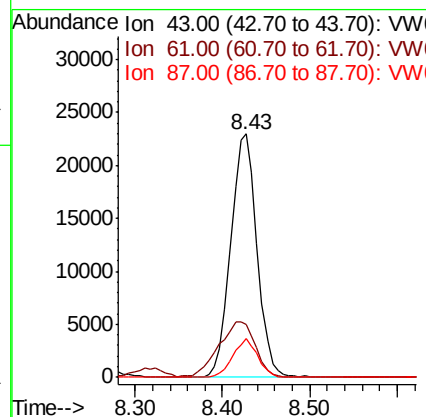
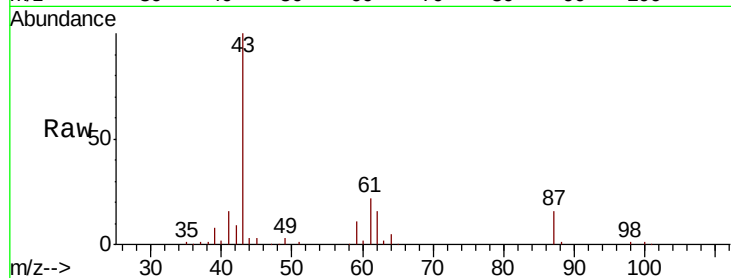
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	47963
Ion	Ratio	Lower	Upper
43	100		
61	31.8	26.3	39.5
87	15.0	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.948 ug/l

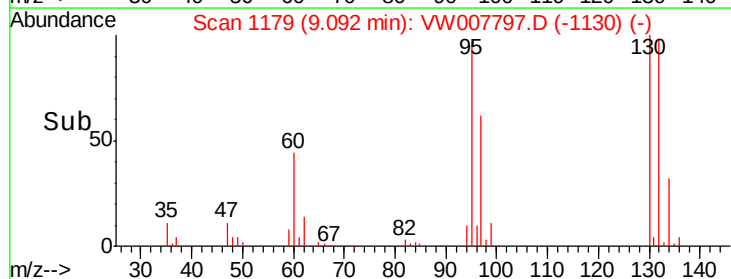
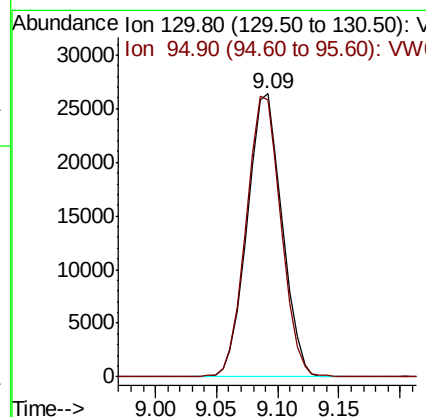
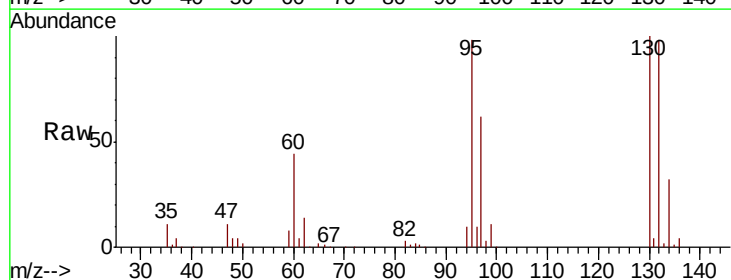
RT: 9.09 min Scan# 1179

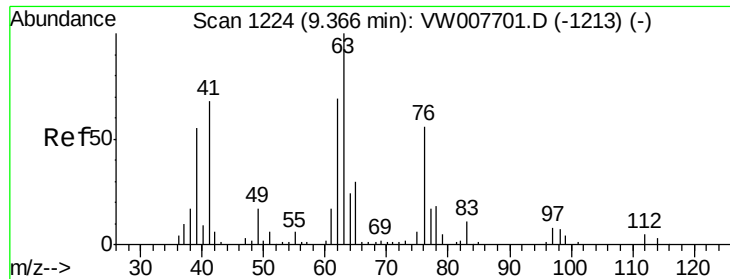
Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion:	130	Resp:	52312
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	194.8





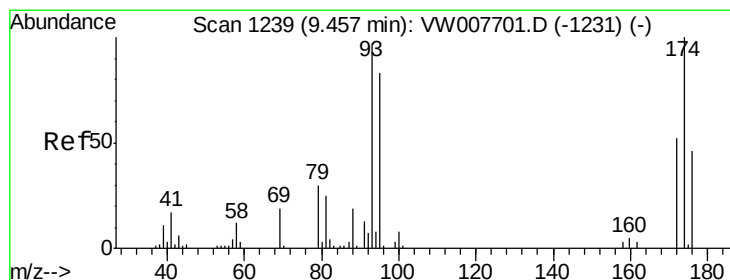
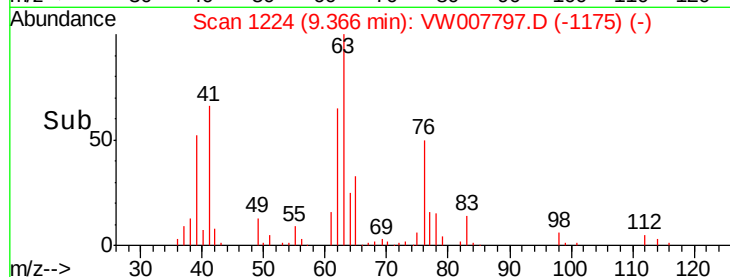
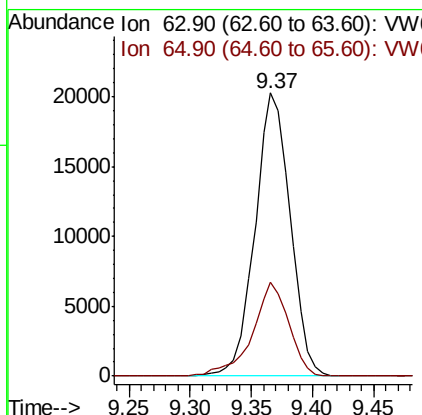
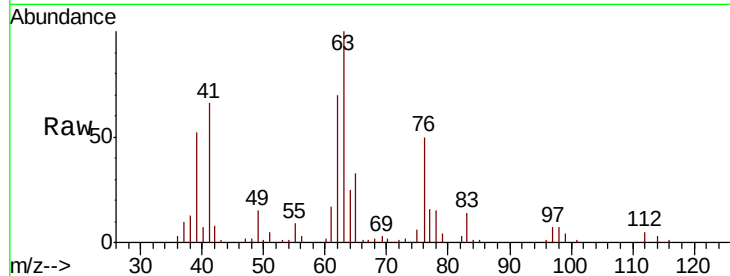
#45
 1,2-Dichloropropane
 Concen: 54.066 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.4	23.8	35.8

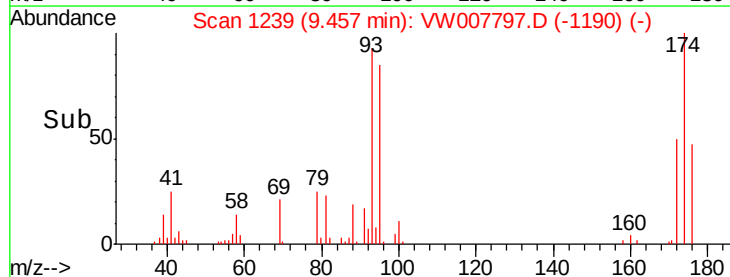
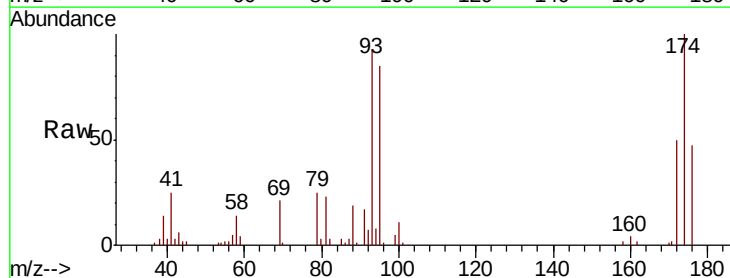
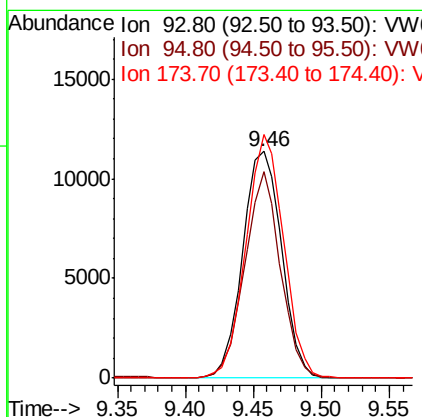
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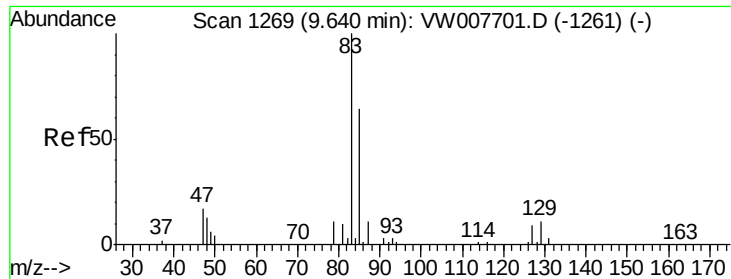
MMDadoda
 12/26/2018 10:58:47 AM



#46
 Dibromomethane
 Concen: 49.313 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.5	101.3
174	103.7	83.9	125.9





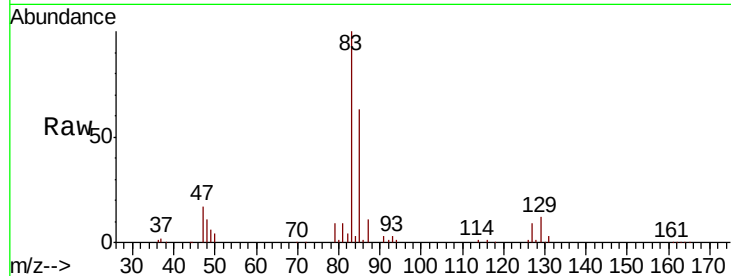
#47
Bromodichloromethane
Concen: 47.932 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.0
127	9.3	7.5	11.3

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12/26/2018 10:58:47 AM

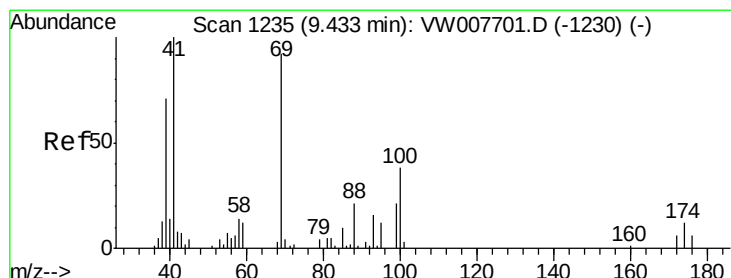
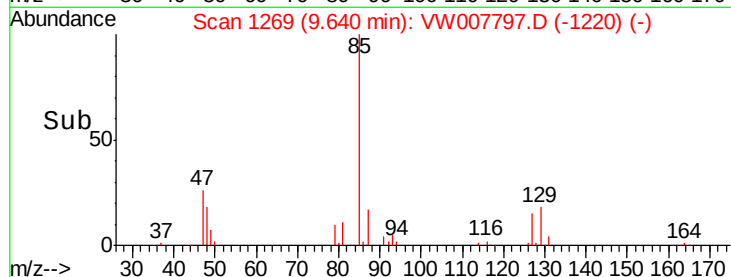
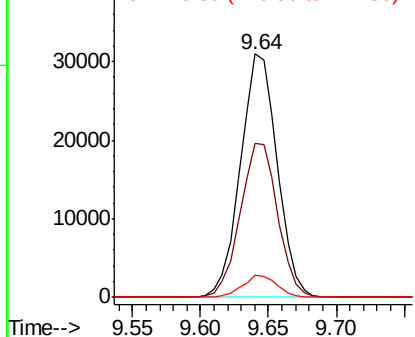


Abundance

Ion 82.90 (82.60 to 83.60): VW

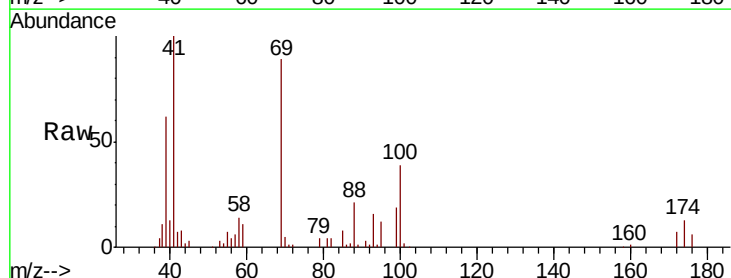
Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48
Methyl methacrylate
Concen: 55.900 ug/l m
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.3	74.2	111.2
39	65.1	53.9	80.9

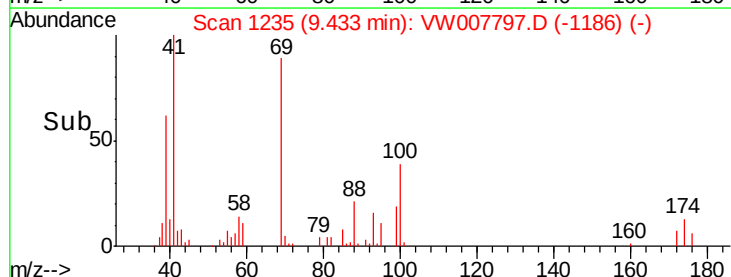
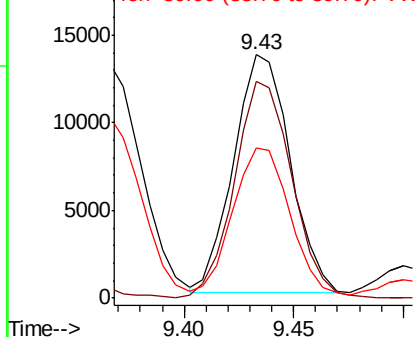


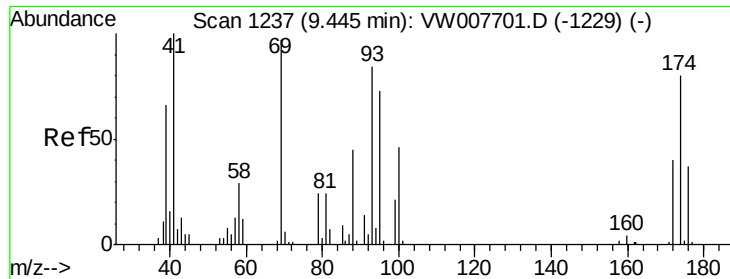
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





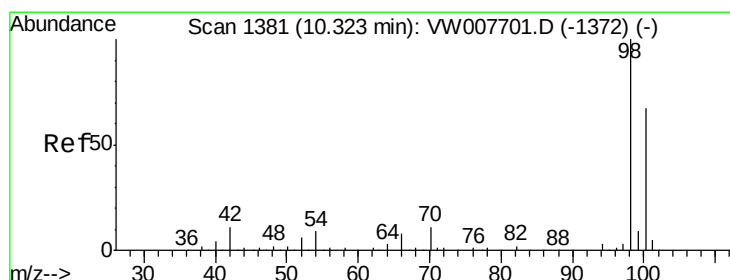
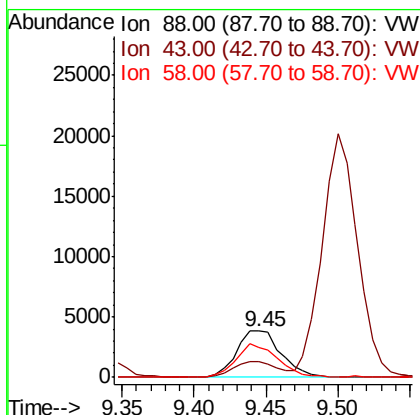
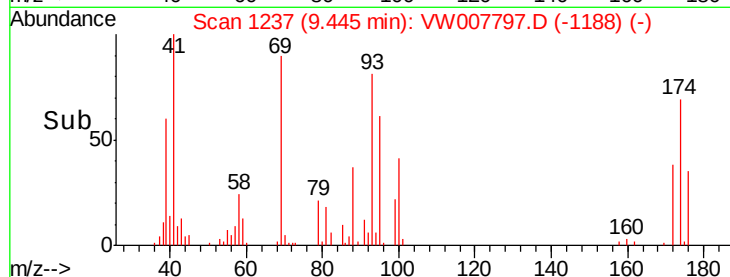
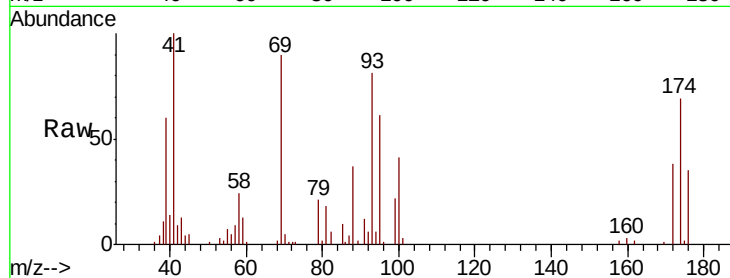
#49
1,4-Dioxane
Concen: 1119.729 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.6	38.4
58	68.8	52.3	78.5

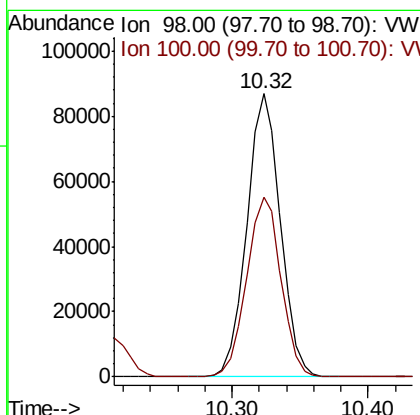
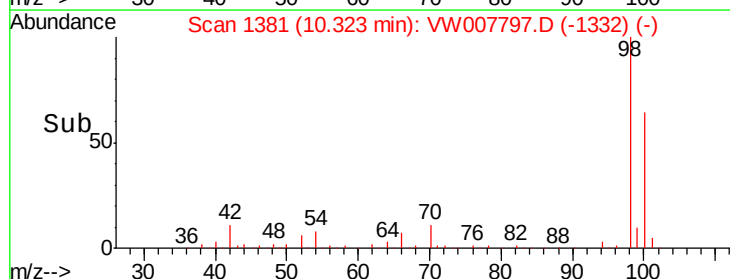
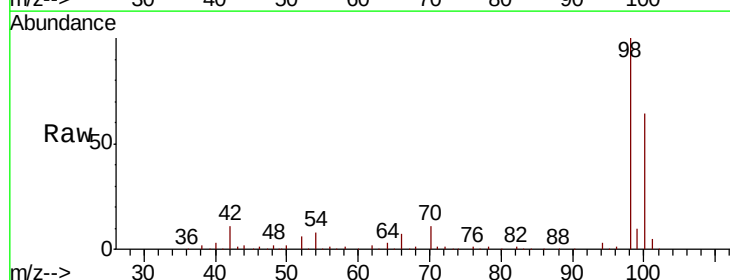
Manual Integrations
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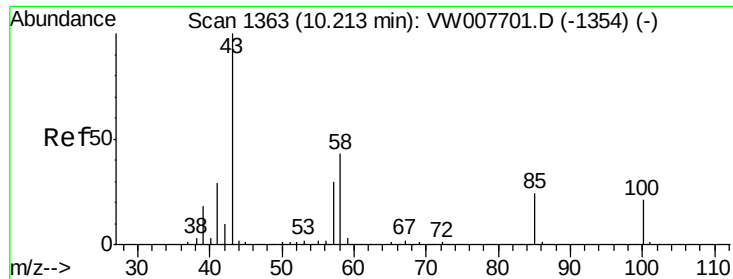
MMDadoda
12/26/2018 10:58:47 AM



#50
Toluene-d8
Concen: 49.434 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





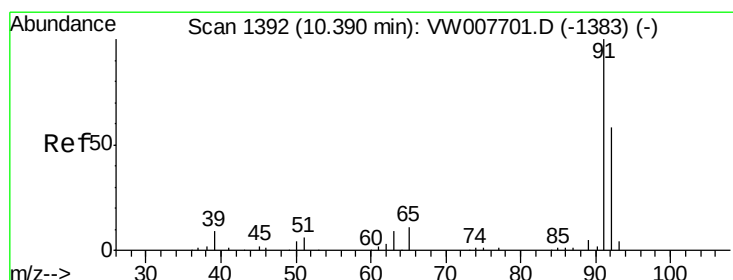
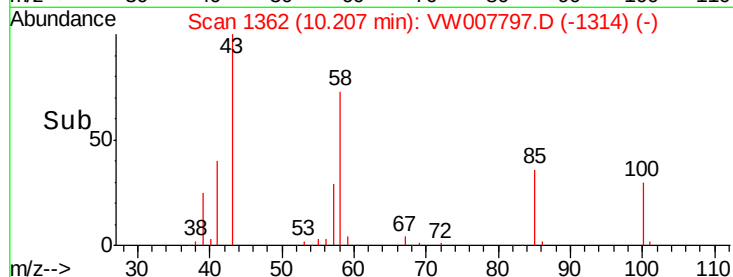
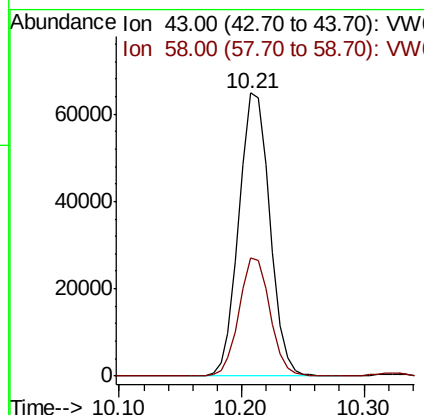
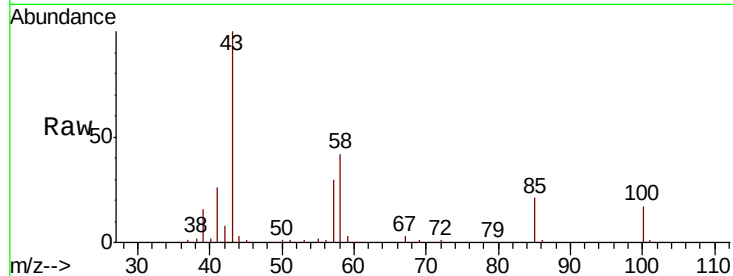
#51
4-Methyl-2-Pentanone
Concen: 274.678 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Resp	Lower	Upper
114200	100	41.6	33.2	49.8	

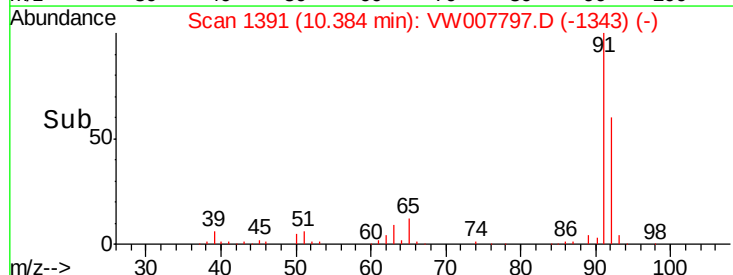
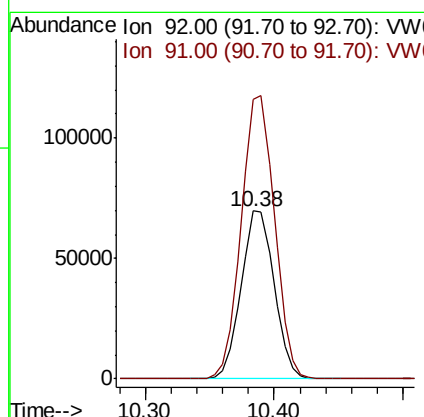
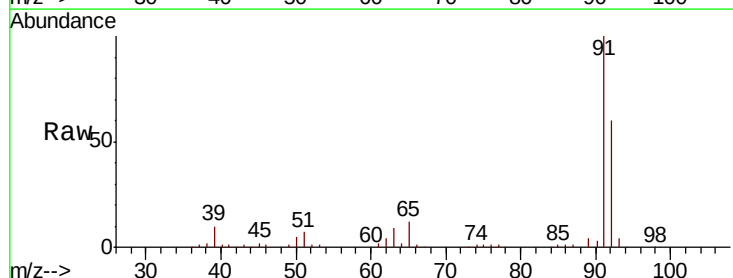
Manual Integrations
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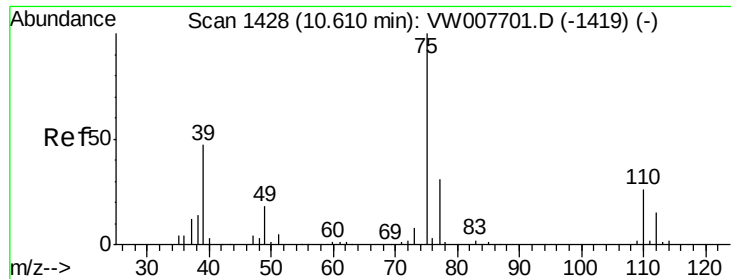
MMDadoda
12/26/2018 10:58:47 AM



#52
Toluene
Concen: 54.271 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	92	91	Resp	Lower	Upper
123630	100	170.0	137.0	205.4	





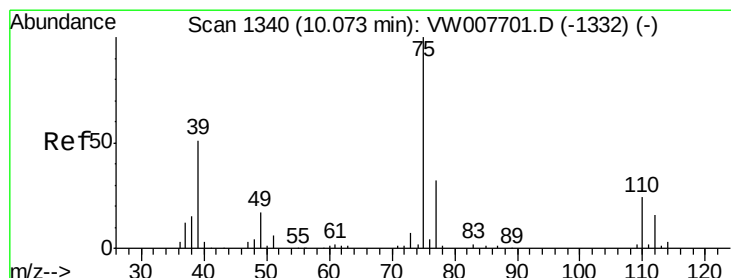
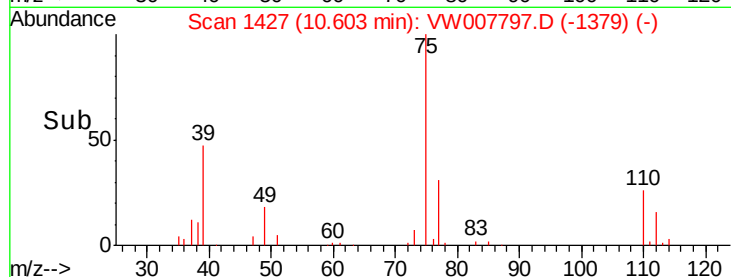
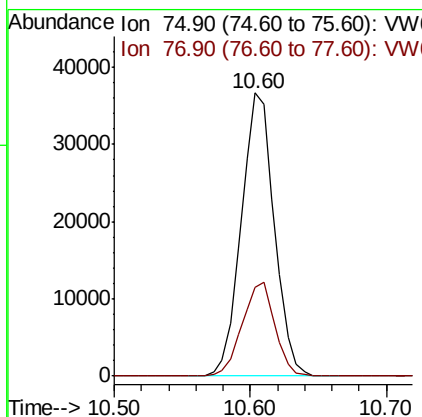
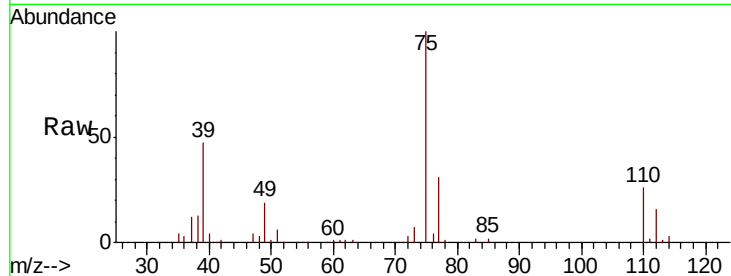
#53
 t-1,3-Dichloropropene
 Concen: 51.126 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8

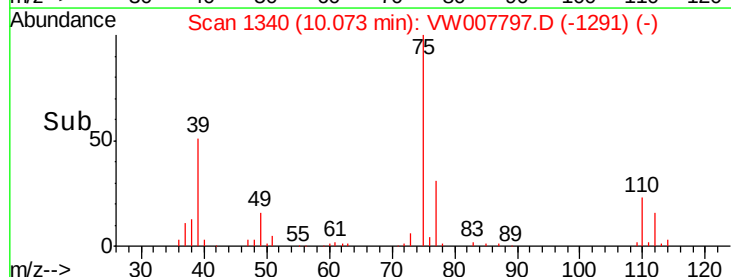
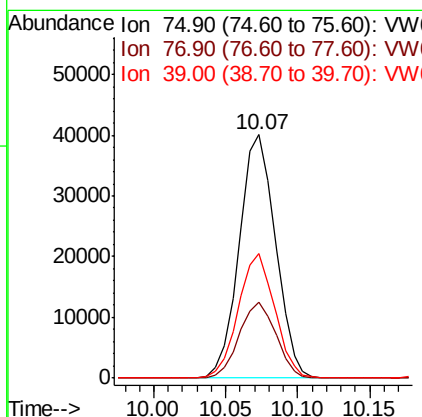
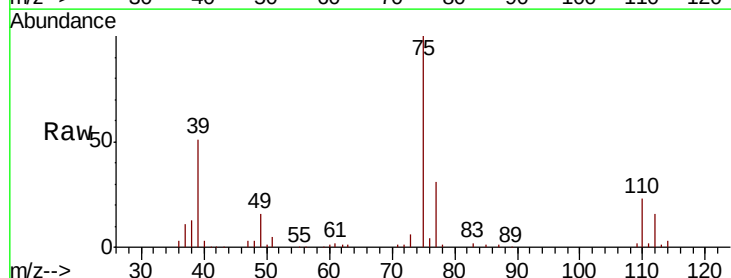
Manual Integrations
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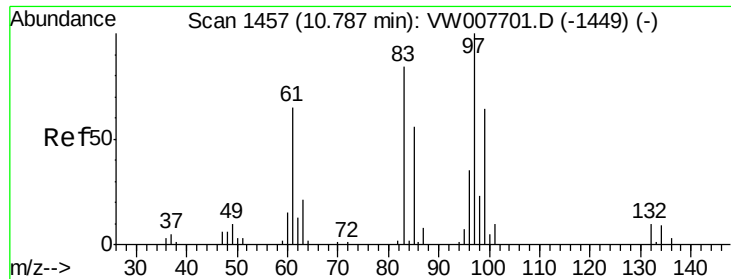
MMDadoda
 12/26/2018 10:58:47 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.392 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3
39	51.4	41.2	61.8





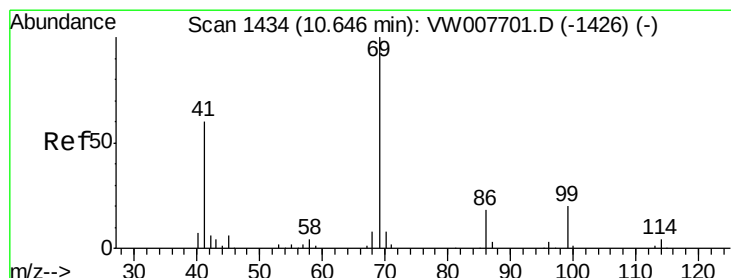
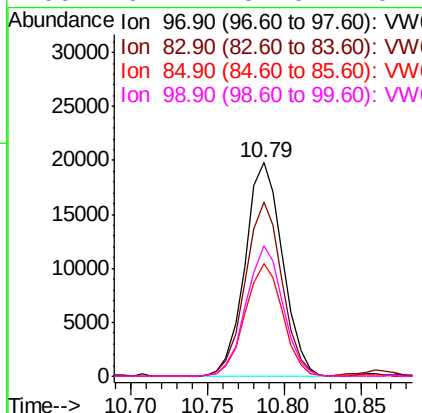
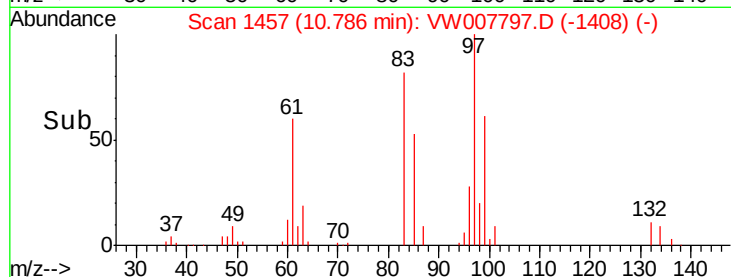
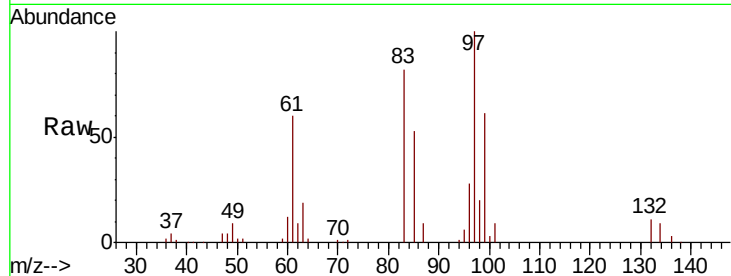
#55
 1,1,2-Trichloroethane
 Concen: 52.804 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	33759
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.5	101.3
85	52.9	44.8	67.2
99	61.4	51.0	76.4

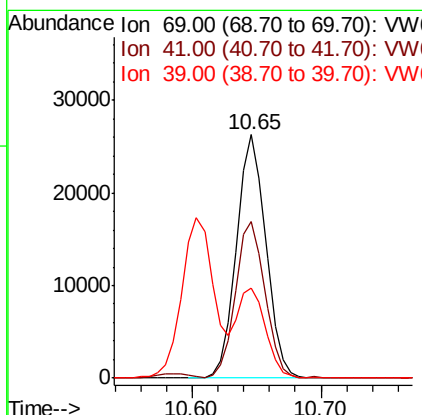
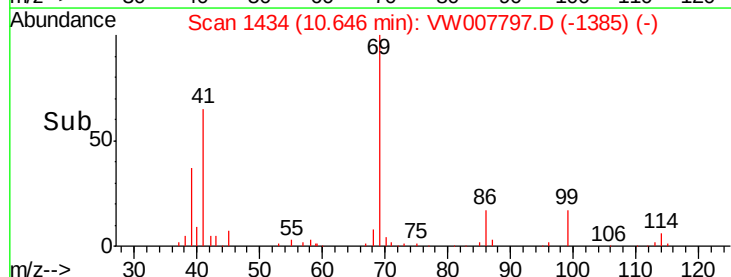
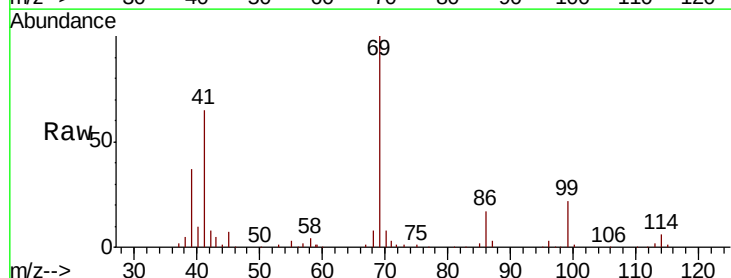
Manual Integrations
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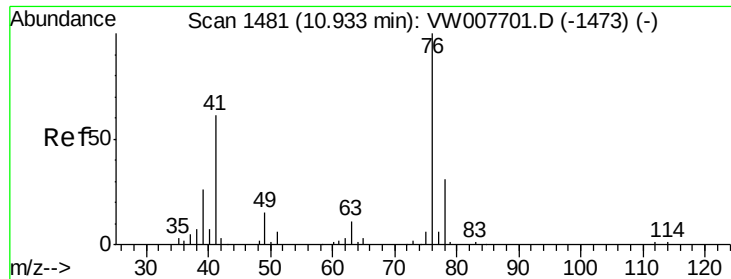
MMDadoda
 12/26/2018 10:58:47 AM



#56
 Ethyl methacrylate
 Concen: 55.203 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion:	69	Resp:	41699
Ion	Ratio	Lower	Upper
69	100		
41	65.1	48.9	73.3
39	35.8	31.3	46.9





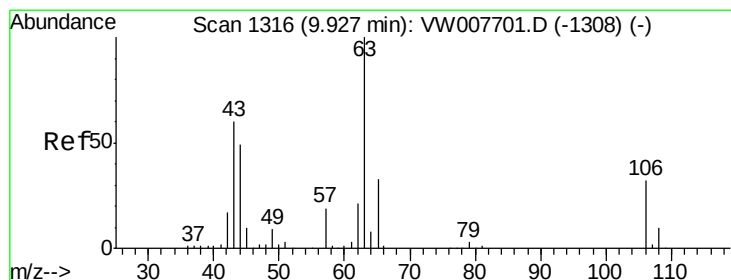
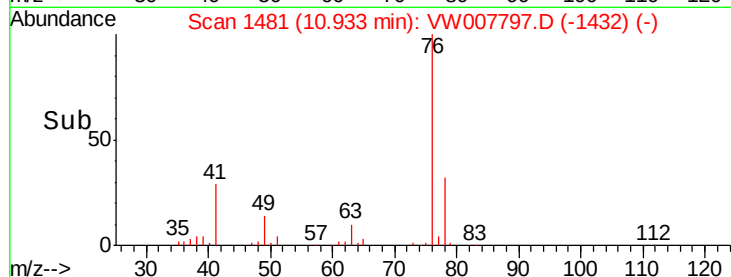
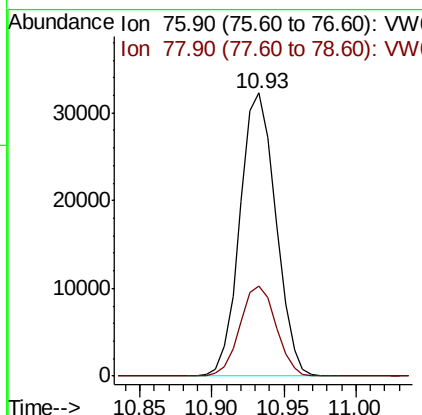
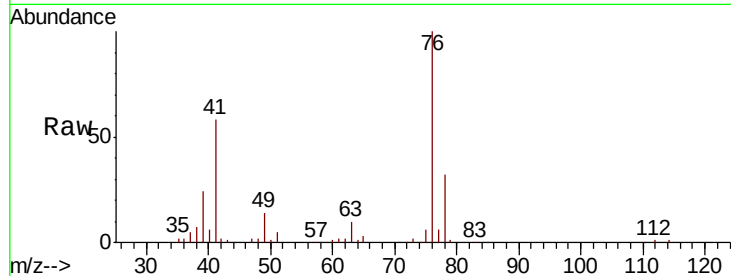
#57
 1,3-Dichloropropane
 Concen: 52.563 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 55803
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

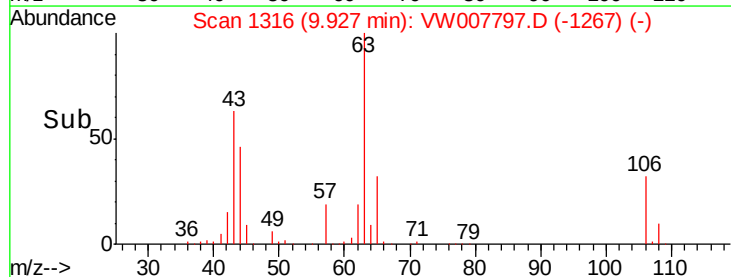
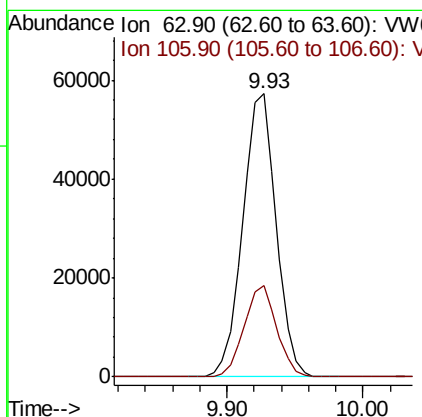
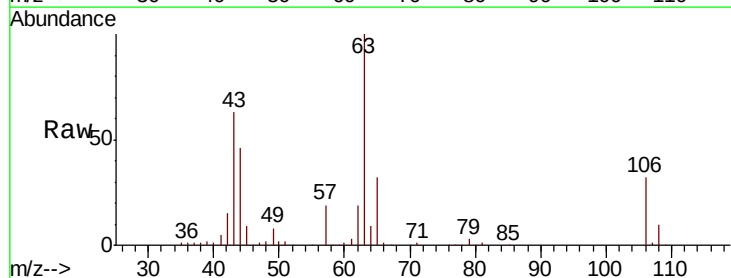
Manual Integrations
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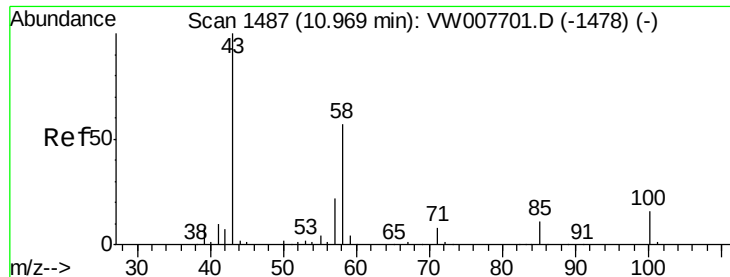
MMDadoda
 12/26/2018 10:58:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 284.531 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 63 Resp: 98130
 Ion Ratio Lower Upper
 63 100
 106 31.4 25.9 38.9





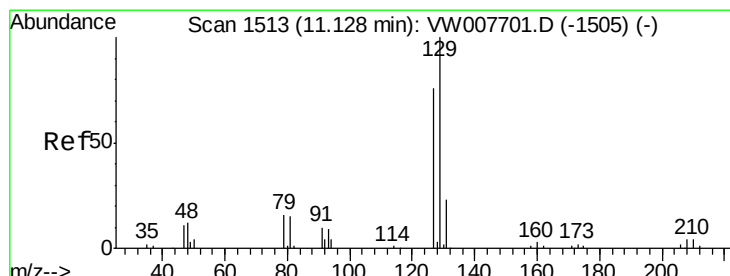
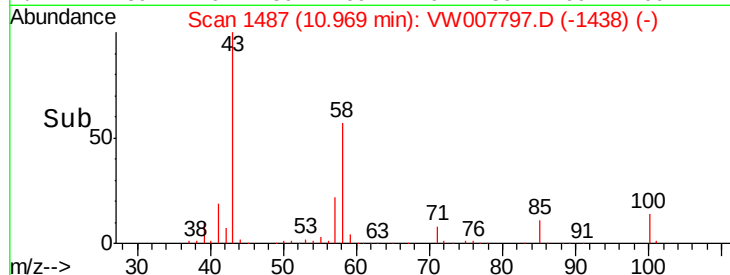
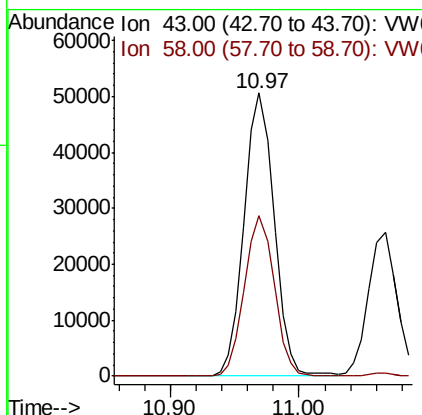
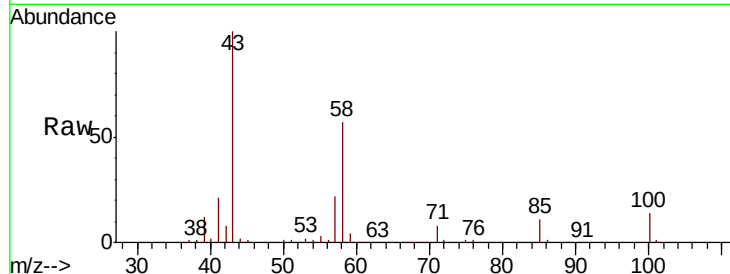
#59
2-Hexanone
Concen: 280.217 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 81933
Ion Ratio Lower Upper
43 100
58 56.1 27.7 83.1

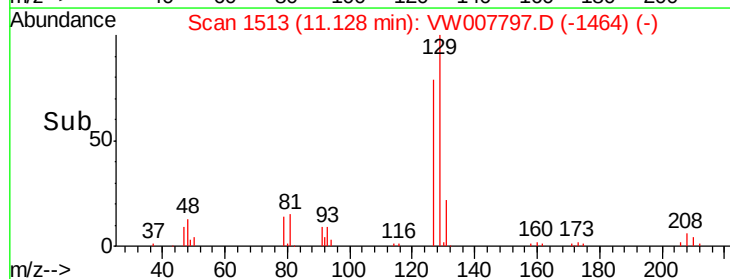
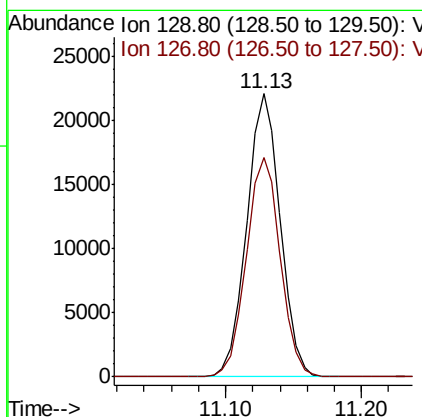
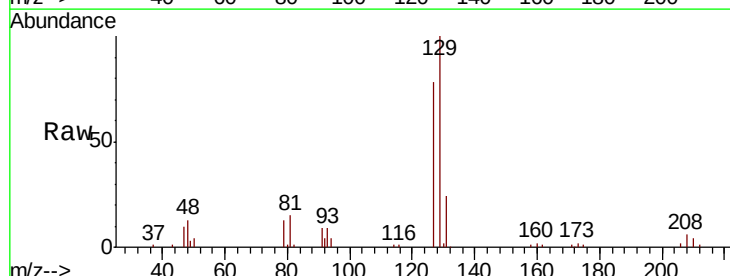
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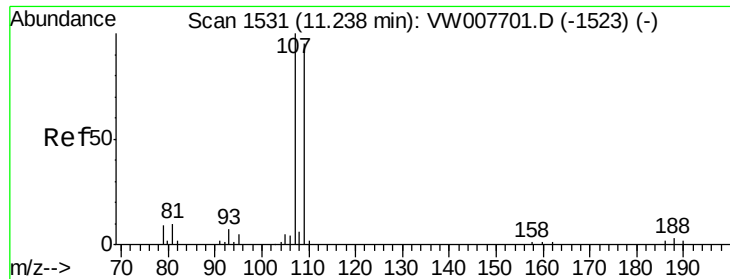
MMDadoda
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#60
Dibromochloromethane
Concen: 44.923 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 129 Resp: 38028
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.9





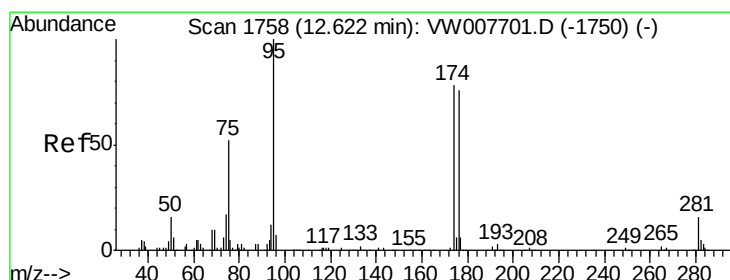
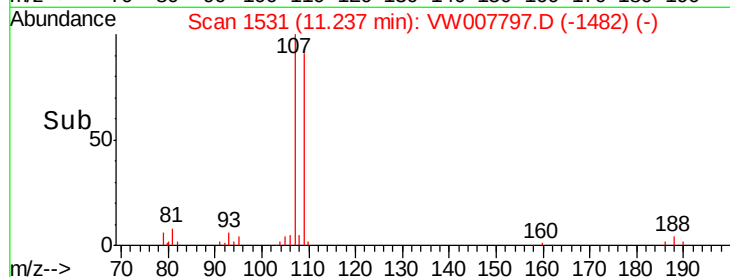
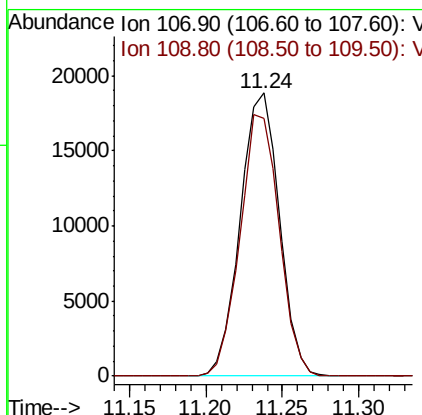
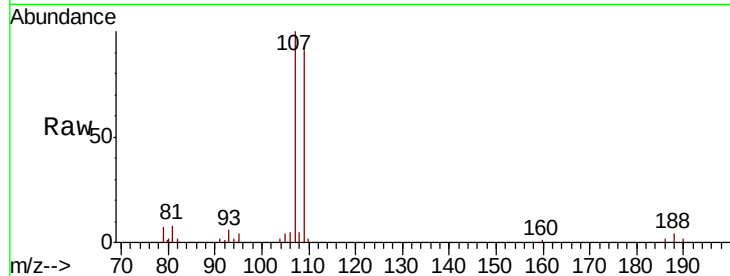
#61
 1,2-Dibromoethane
 Concen: 51.871 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.4	113.0

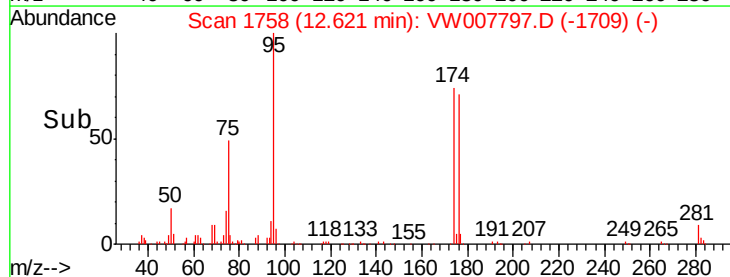
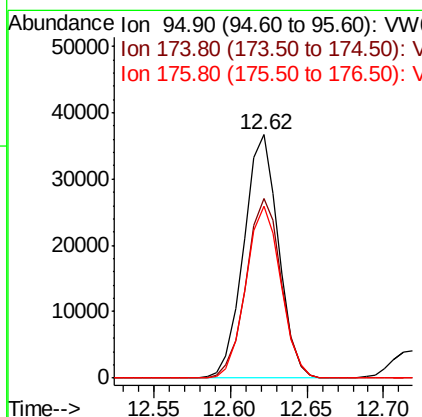
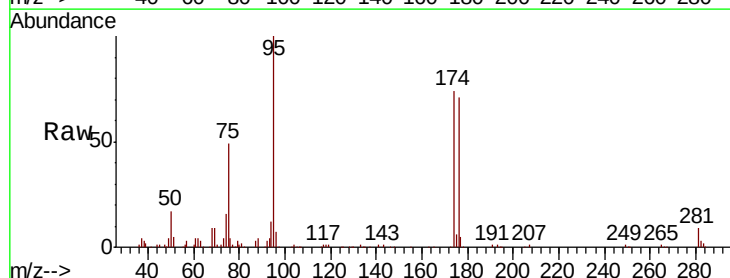
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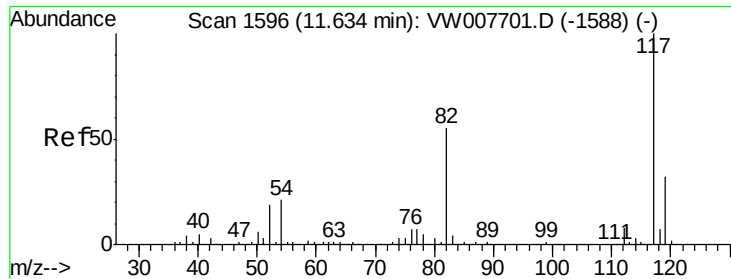
MMDadoda
 12/26/2018 10:58:47 AM



#62
 4-Bromofluorobenzene
 Concen: 49.370 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	152.2
176	71.3	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: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

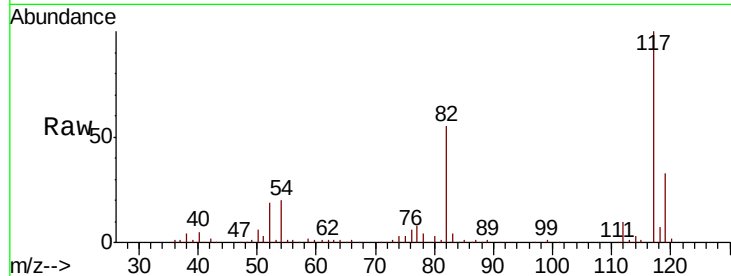
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	115056
Ion Ratio	Lower	Upper	
117	100		
82	54.5	44.3	66.5
119	32.8	25.7	38.5

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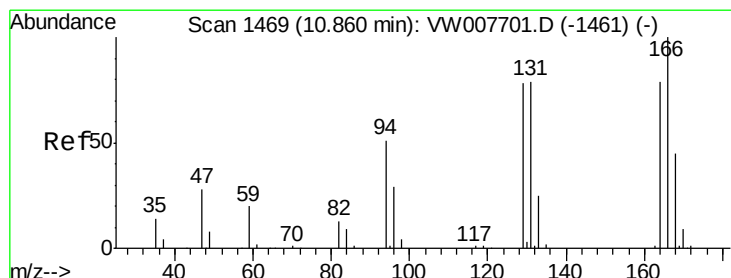
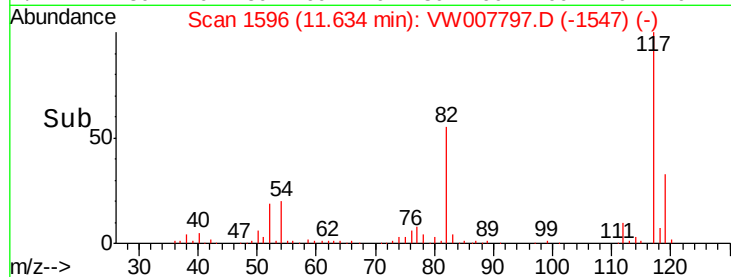
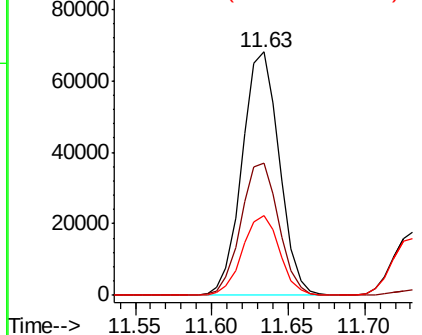


Abundance

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: 52.340 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion:	164	Resp:	42644
Ion Ratio	Lower	Upper	
164	100		
166	132.3	101.0	151.6
129	105.1	78.7	118.1
131	98.6	79.4	119.0

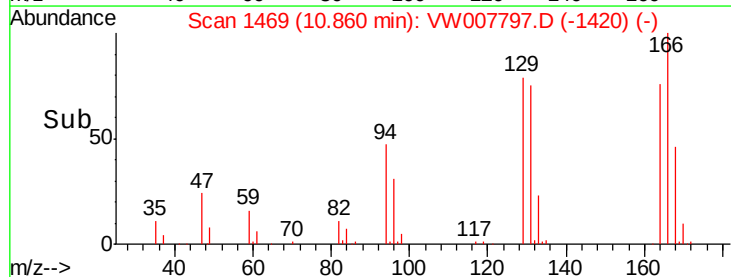
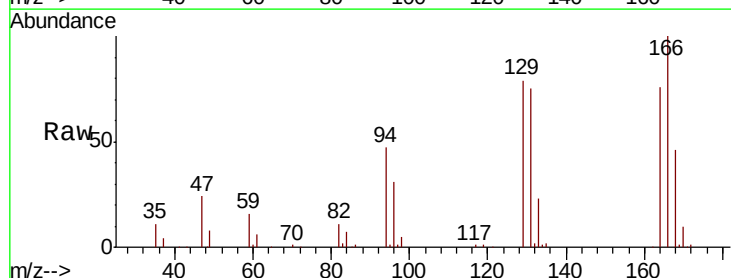
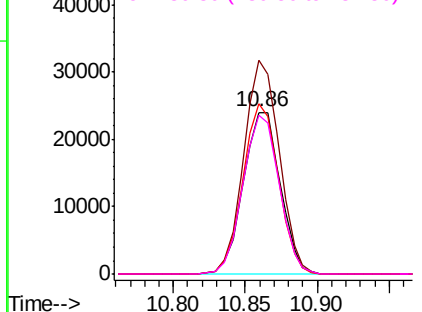
Abundance

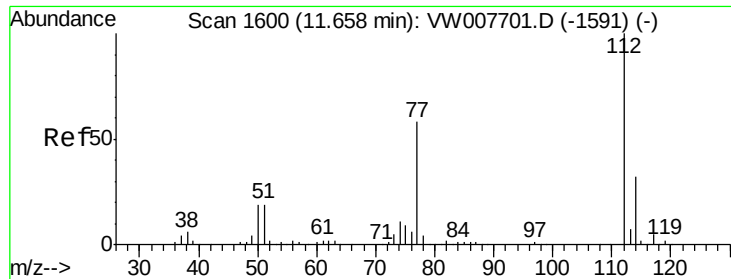
Ion 163.80 (163.50 to 164.50): V

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





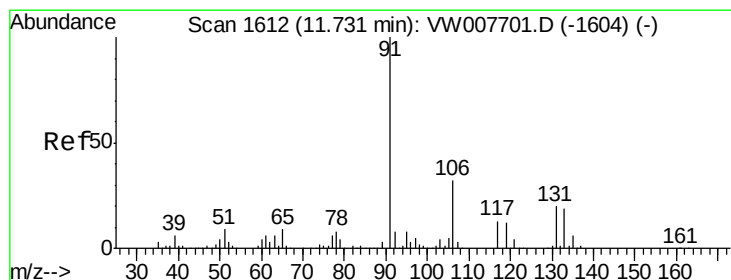
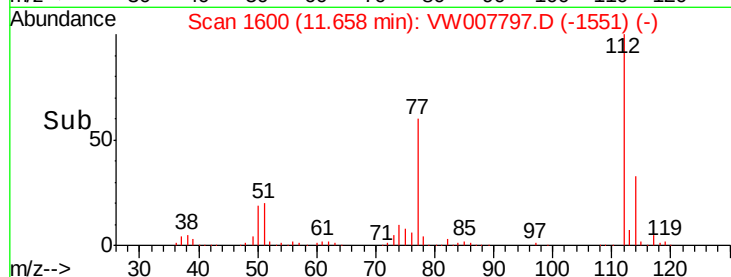
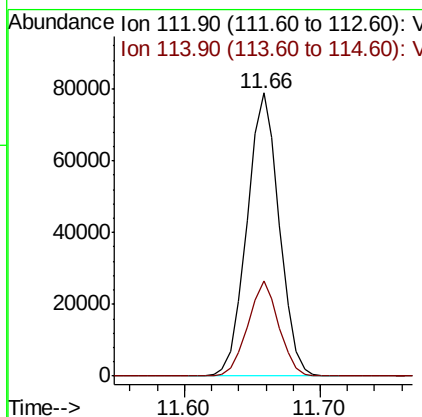
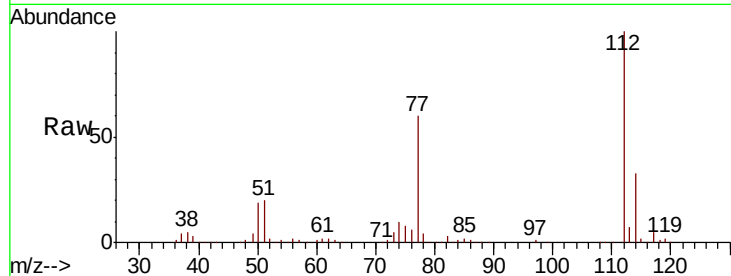
#65
Chlorobenzene
Concen: 52.367 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 130409
Ion Ratio Lower Upper
112 100
114 33.5 25.2 37.8

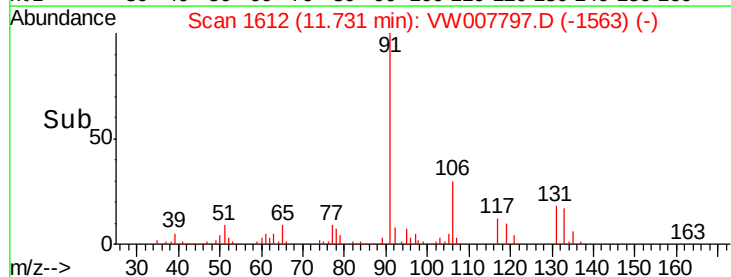
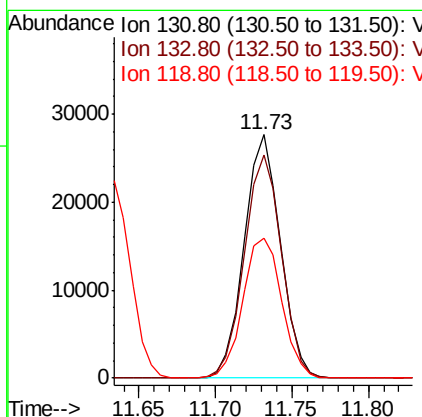
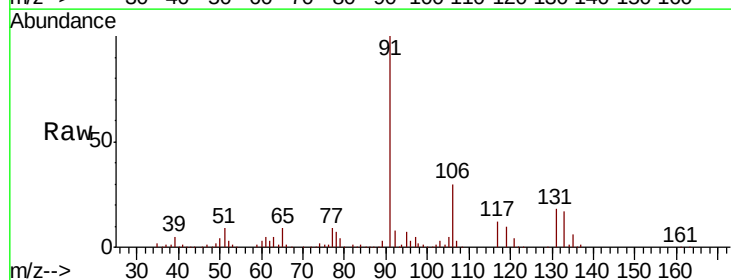
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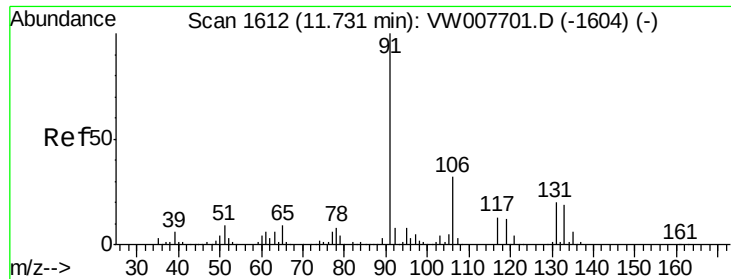
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.337 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion:131 Resp: 45681
Ion Ratio Lower Upper
131 100
133 94.1 47.5 142.5
119 61.8 30.2 90.6





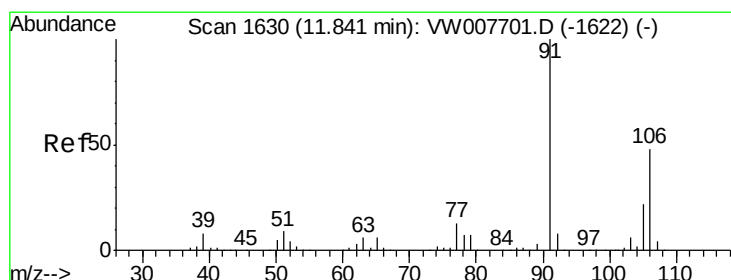
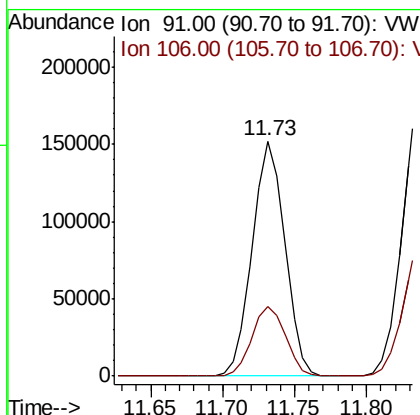
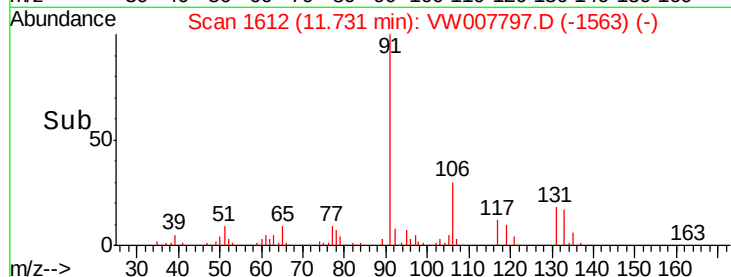
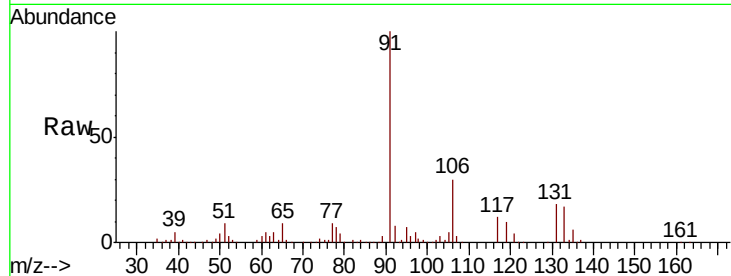
#67
Ethyl Benzene
Concen: 55.848 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 238660
Ion Ratio Lower Upper
91 100
106 29.6 25.8 38.8

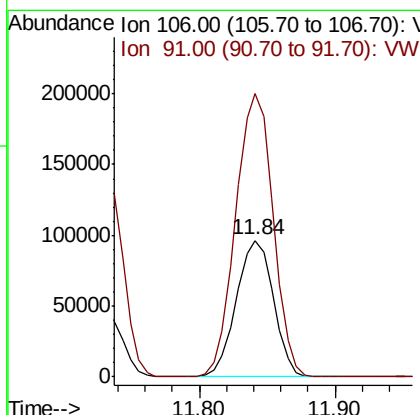
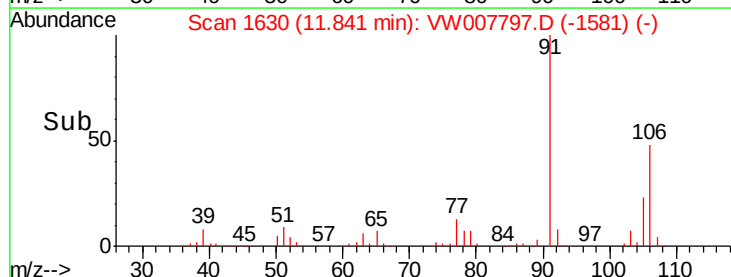
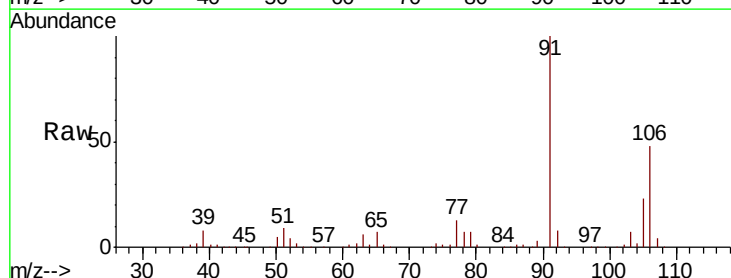
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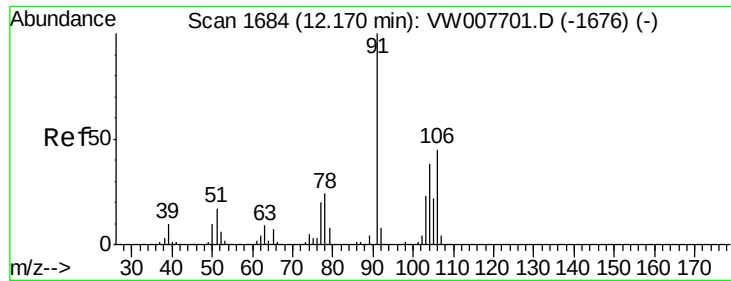
MMDadoda
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#68
m/p-Xylenes
Concen: 110.746 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 106 Resp: 183583
Ion Ratio Lower Upper
106 100
91 209.6 165.2 247.8





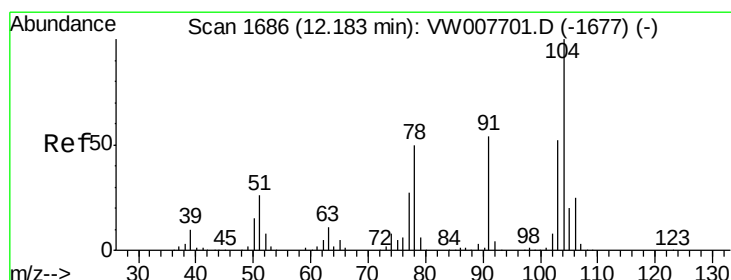
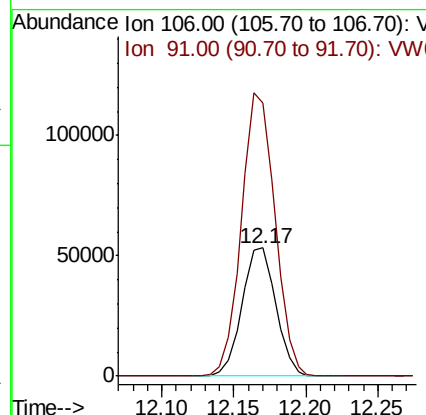
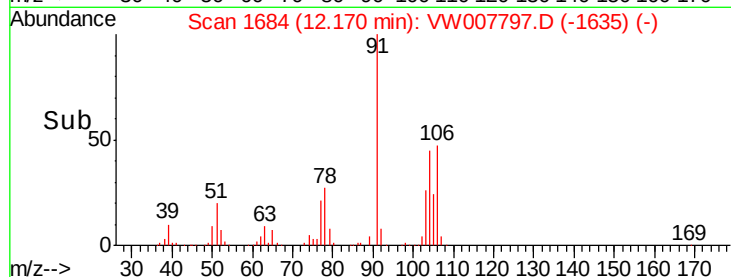
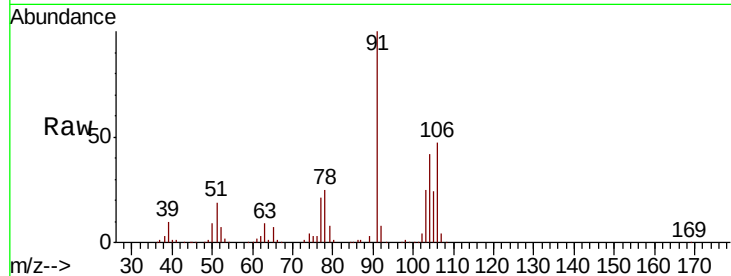
#69
o-Xylene
Concen: 56.149 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 87248
Ion Ratio Lower Upper
106 100
91 219.1 110.5 331.4

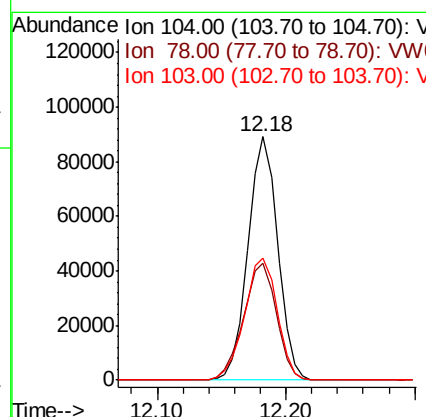
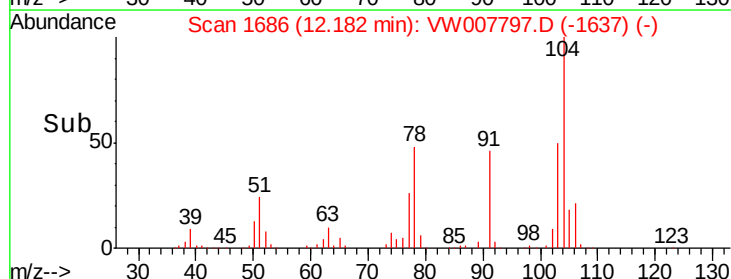
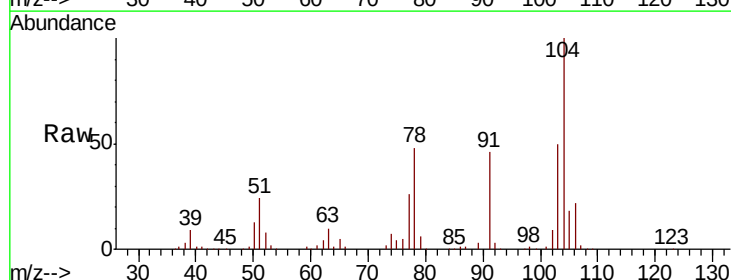
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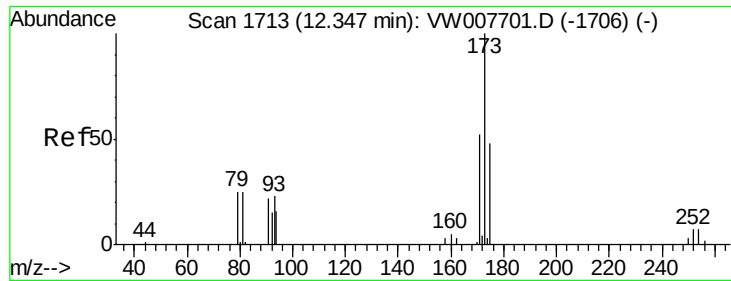
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#70
Styrene
Concen: 55.436 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion:104 Resp: 141597
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.0
103 55.5 44.5 66.7





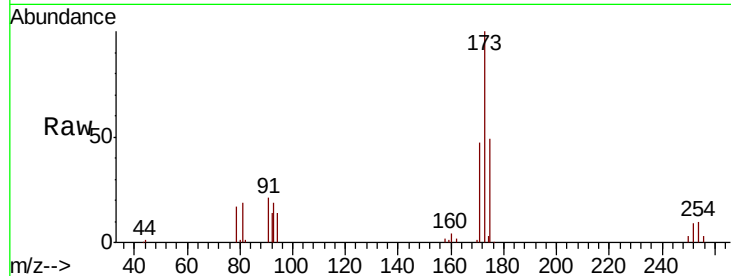
#71
Bromoform
Concen: 45.065 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

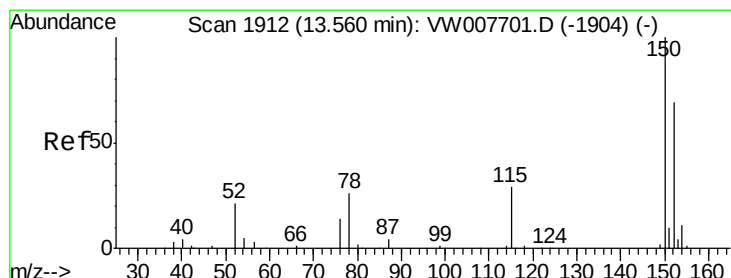
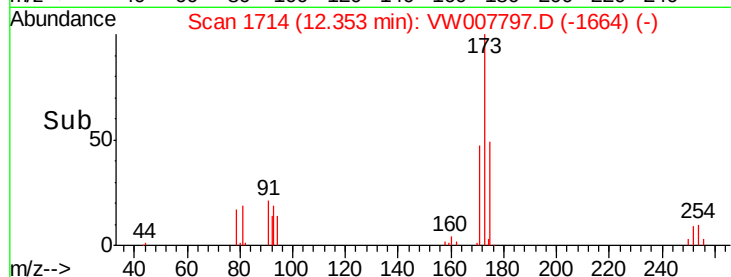
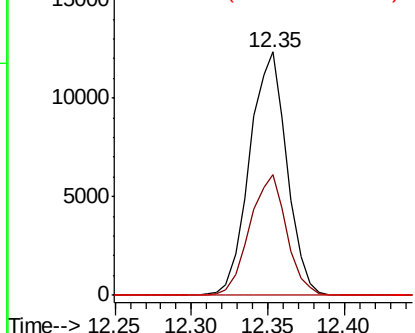
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.7
254	0.0	0.0	0.0

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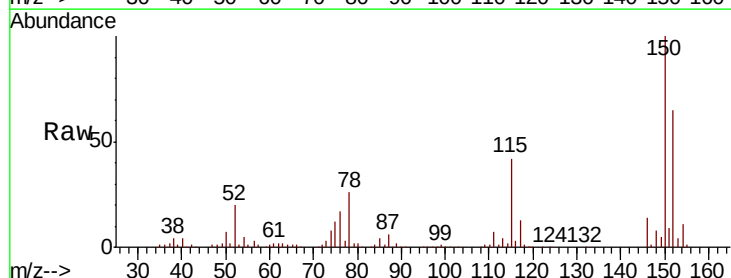


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

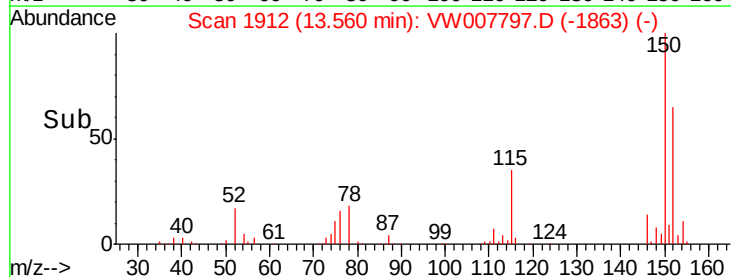
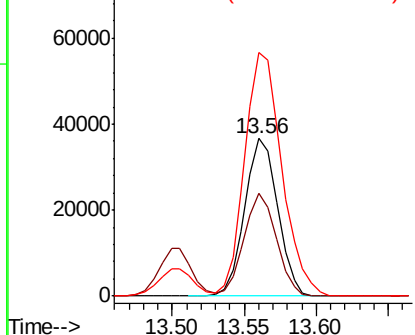


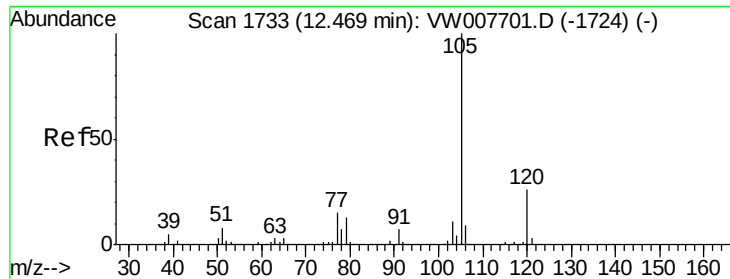
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	31.8	95.4
150	174.5	0.0	350.8



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





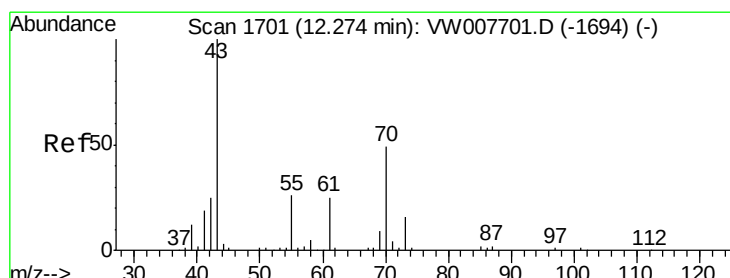
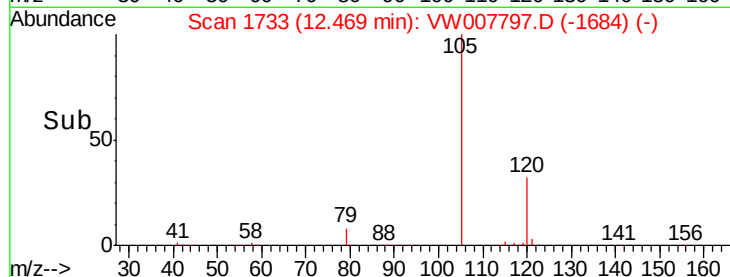
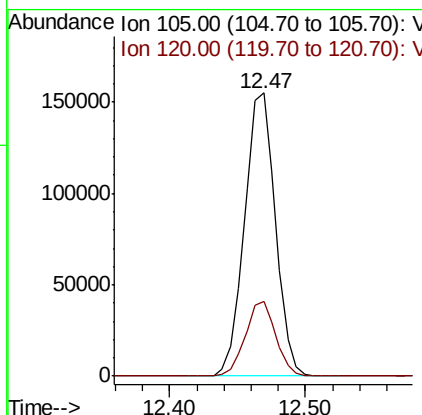
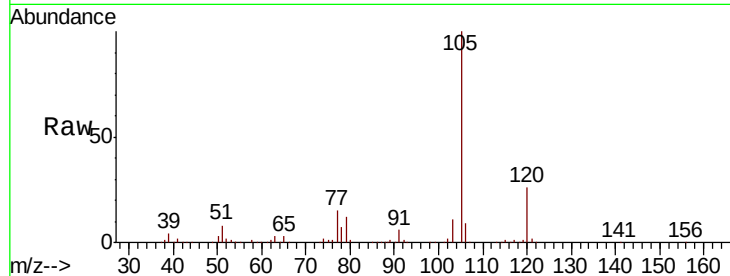
#73
Isopropylbenzene
Concen: 56.376 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 247050
Ion Ratio Lower Upper
105 100
120 25.8 13.1 39.3

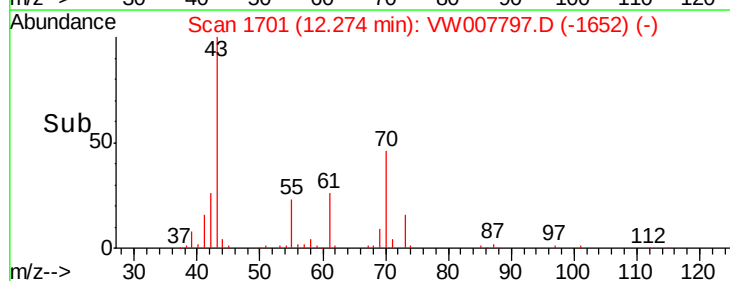
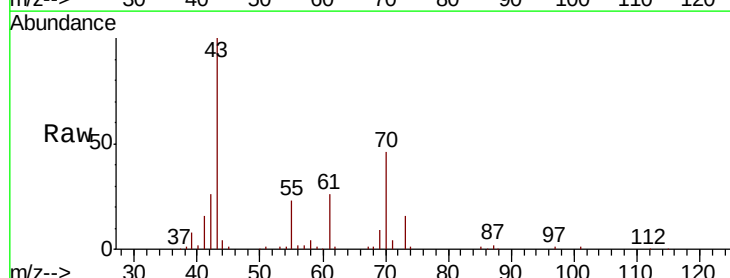
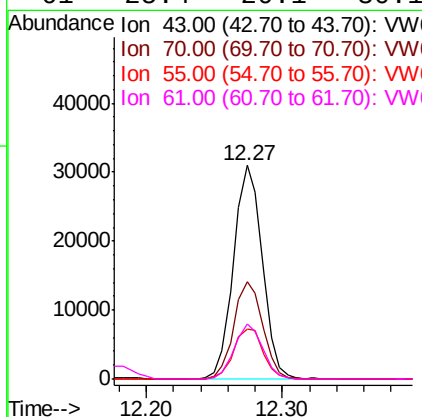
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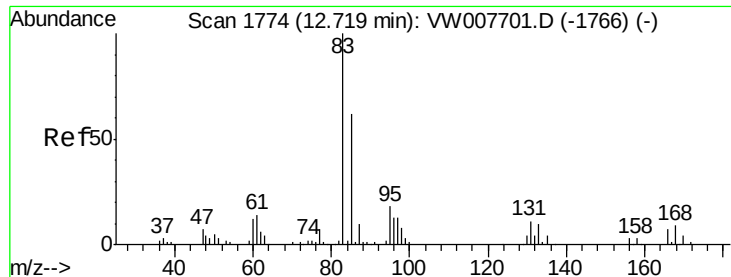
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#74
N-ethyl acetate
Concen: 60.257 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 43 Resp: 45739
Ion Ratio Lower Upper
43 100
70 45.9 37.6 56.4
55 24.3 21.7 32.5
61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 55.014 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

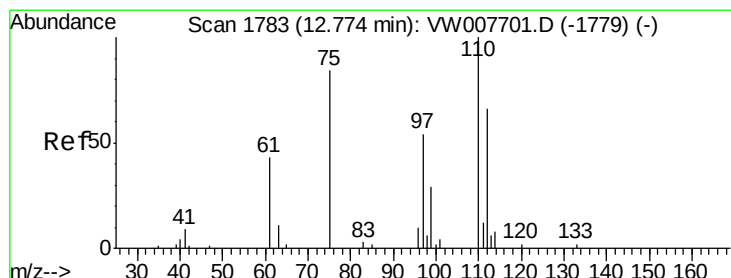
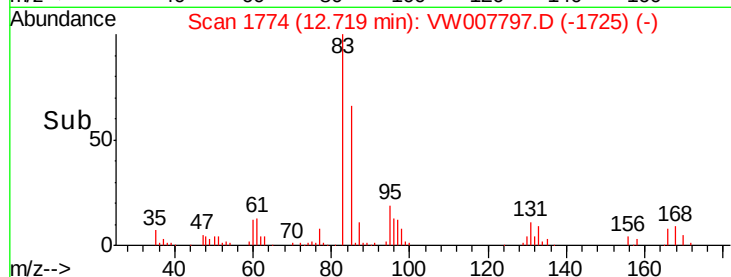
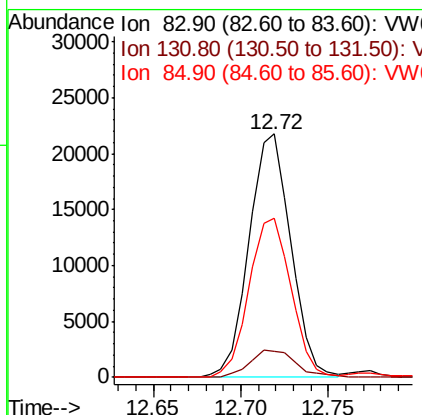
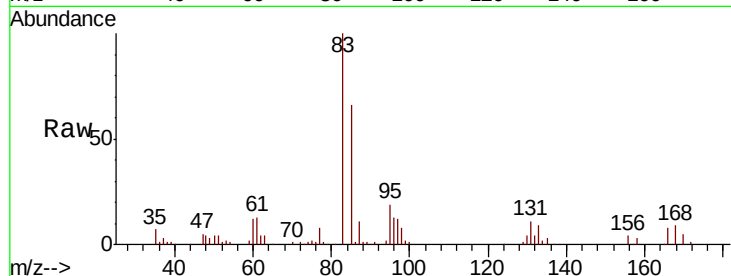
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	36146
Ion Ratio	Lower	Upper	
83	100		
131	12.6	6.3	18.8
85	66.0	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 63.312 ug/l m

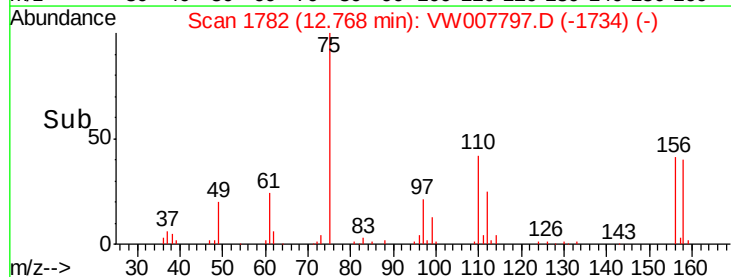
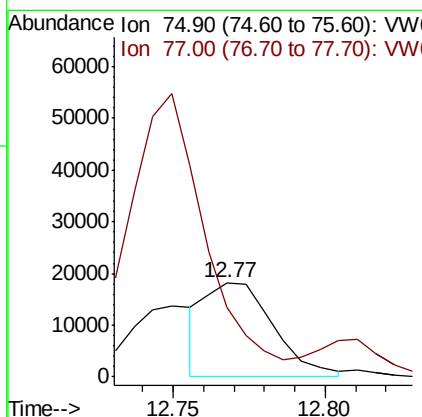
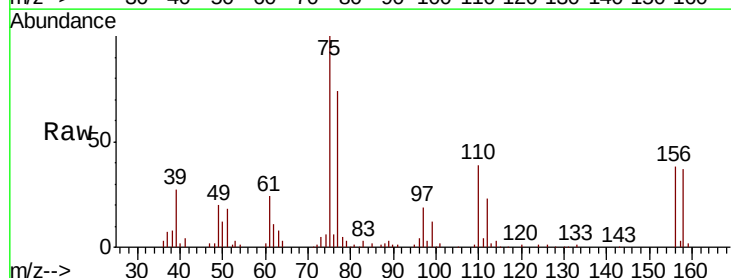
RT: 12.77 min Scan# 1782

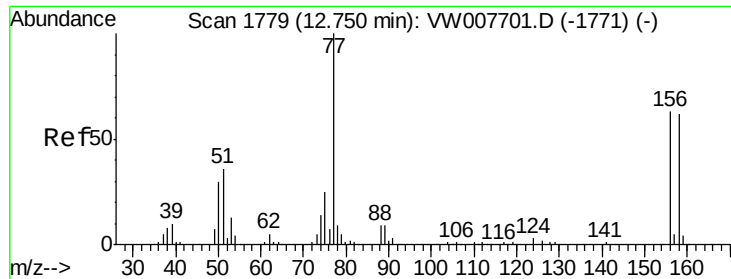
Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion:	75	Resp:	28369
Ion Ratio	Lower	Upper	
75	100		
77	340.9	0.0	0.0#





#77

Bromobenzene

Concen: 52.944 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 53171

Ion Ratio Lower Upper

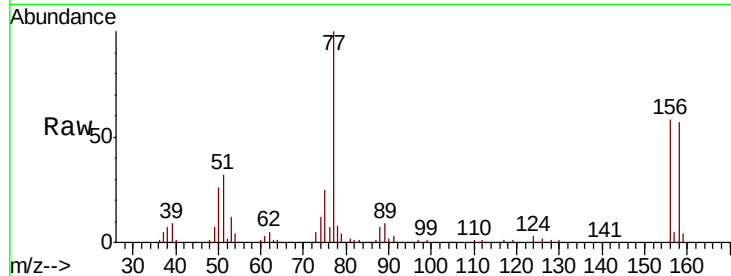
156 100

77 181.9 87.4 262.1

158 96.7 48.4 145.0

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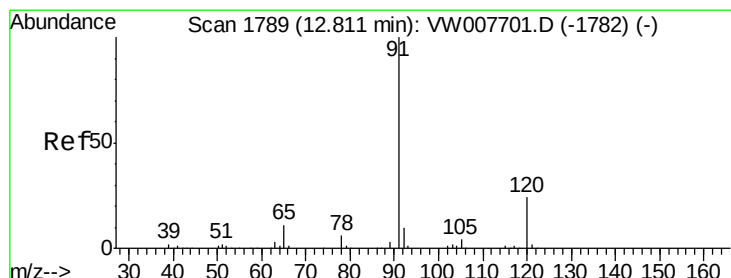
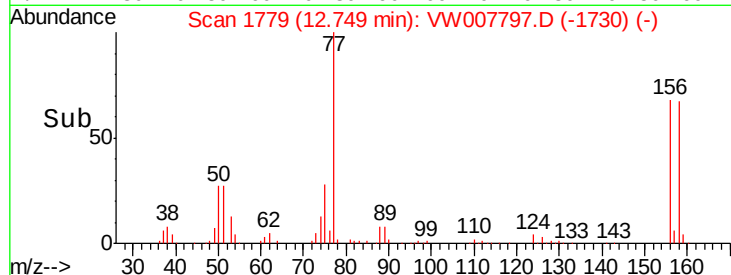
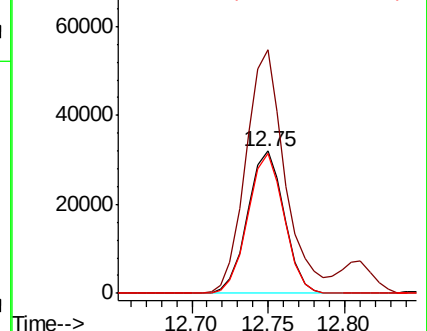
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.323 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007797.D

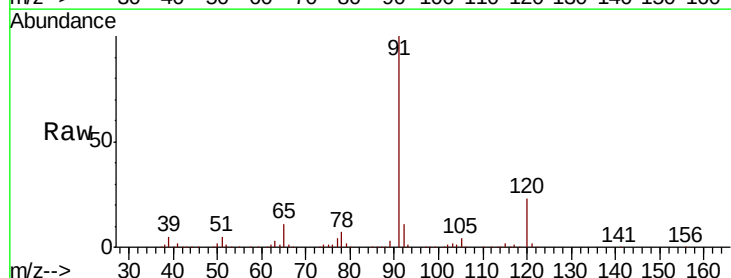
Acq: 21 Dec 2018 16:01

Tgt Ion: 91 Resp: 282211

Ion Ratio Lower Upper

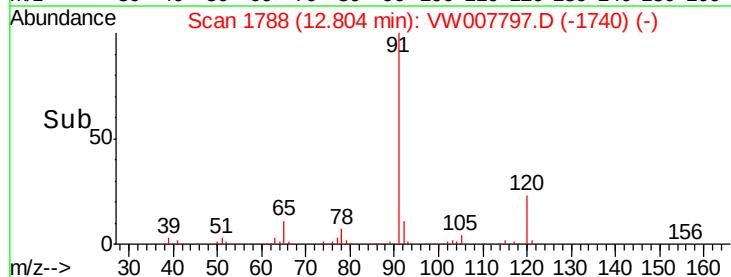
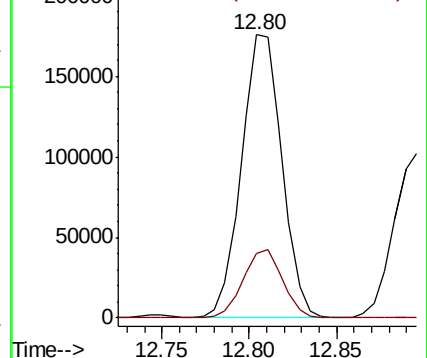
91 100

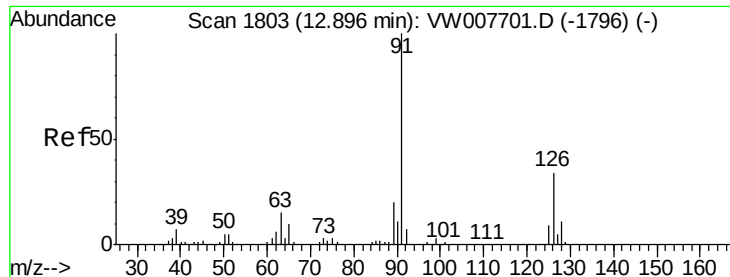
120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.274 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 164256

Ion Ratio Lower Upper

91 100

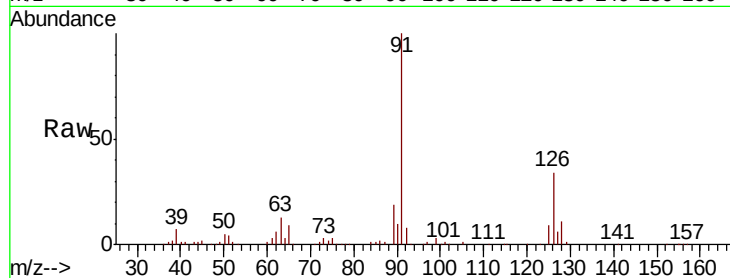
126 33.4 17.0 51.0

Manual Integrations

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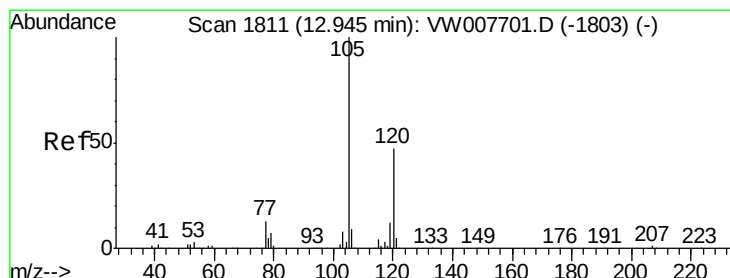
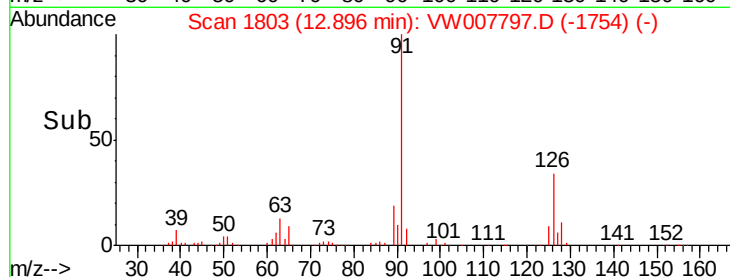
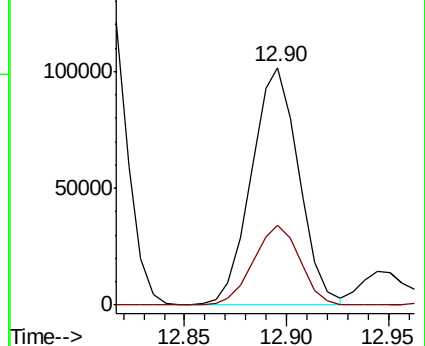
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.030 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007797.D

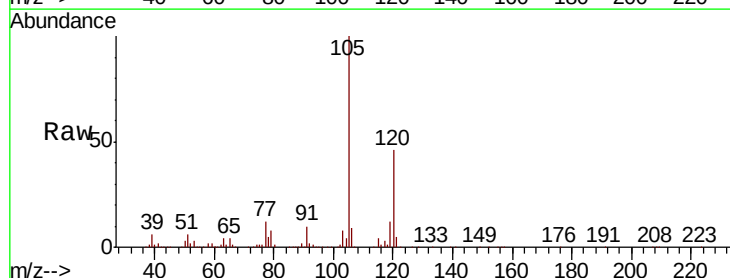
Acq: 21 Dec 2018 16:01

Tgt Ion:105 Resp: 211791

Ion Ratio Lower Upper

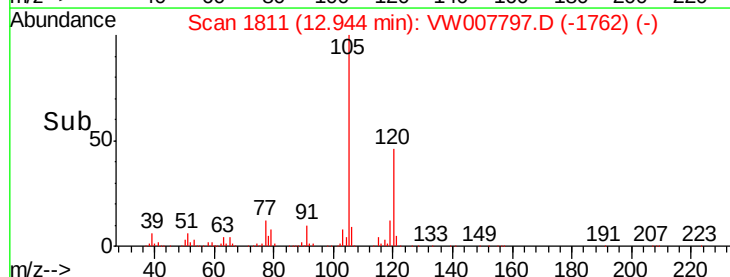
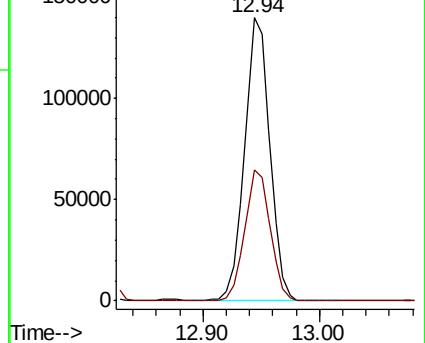
105 100

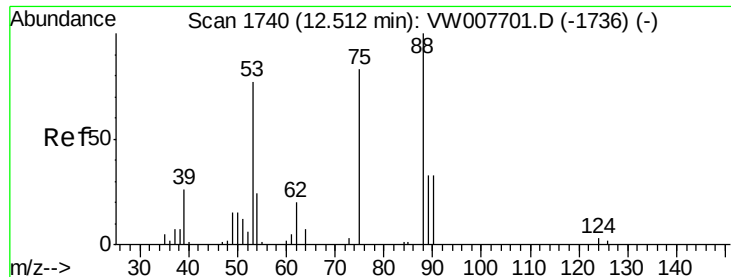
120 46.7 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





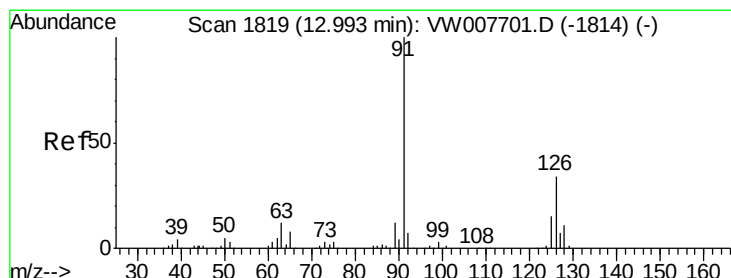
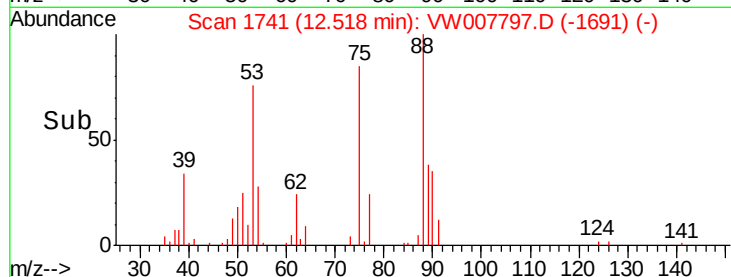
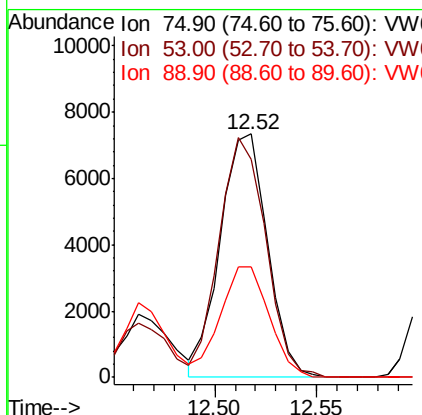
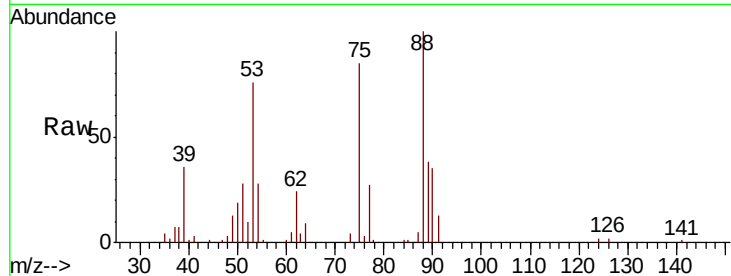
#81
trans-1,4-Dichloro-2-butene
Concen: 55.132 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.5	80.2	120.2
89	47.1	39.2	58.8

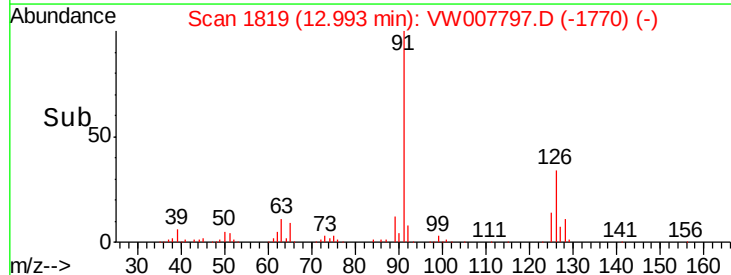
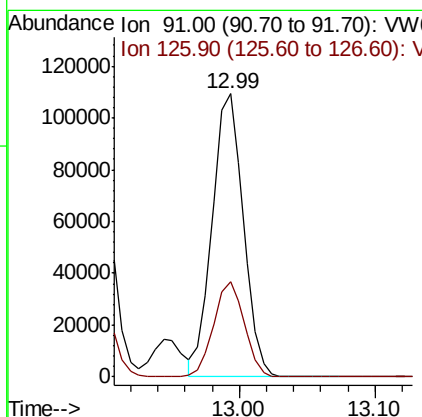
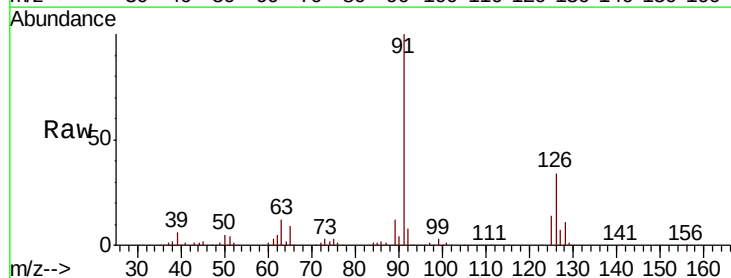
Manual Integrations
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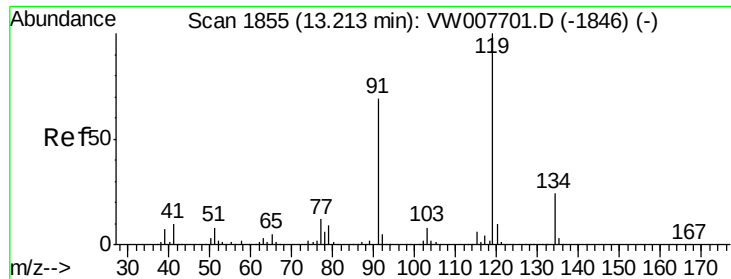
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#82
4-Chlorotoluene
Concen: 54.834 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.5	49.5





#83

tert-Butylbenzene

Concen: 56.360 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

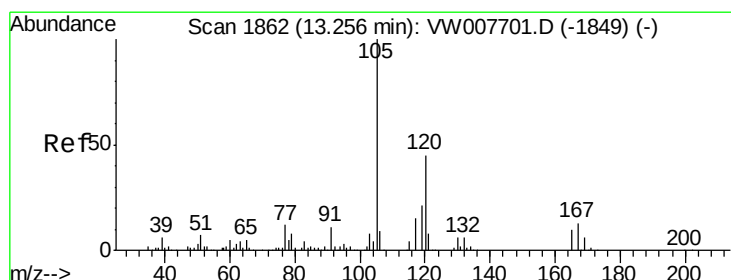
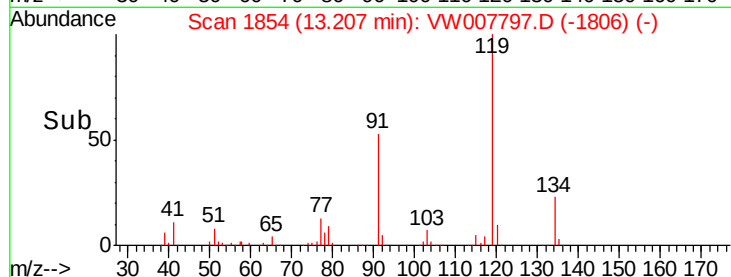
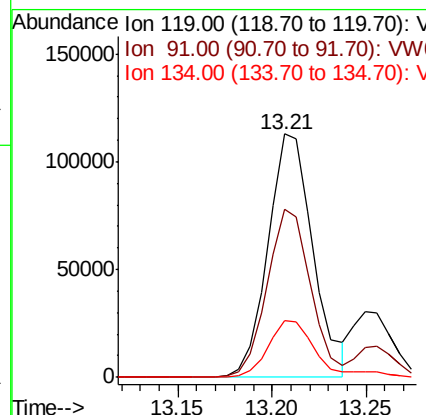
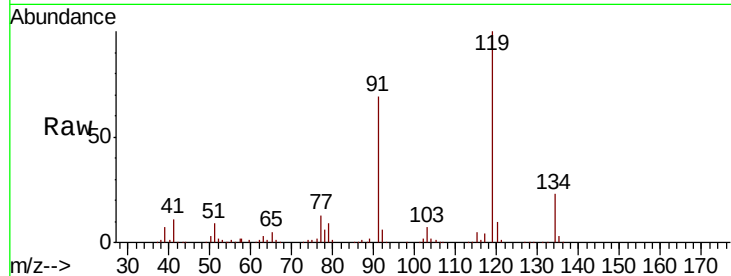
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	34.2	102.5
134	25.0	12.8	38.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 56.696 ug/l

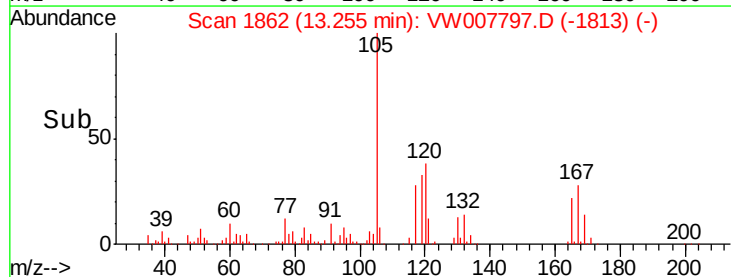
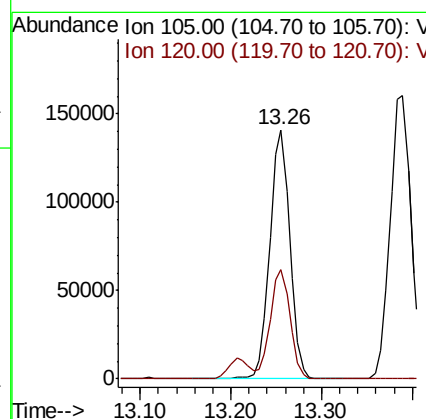
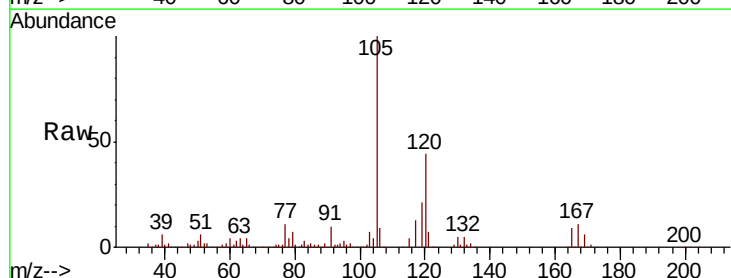
RT: 13.26 min Scan# 1862

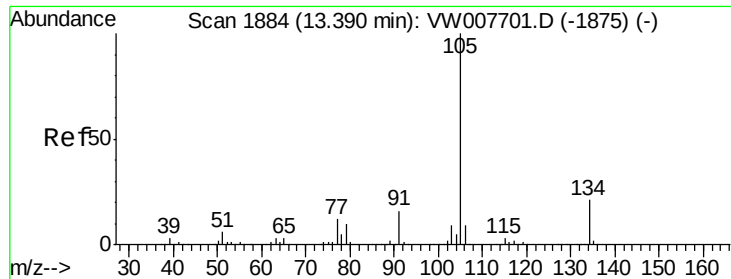
Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.0	66.0





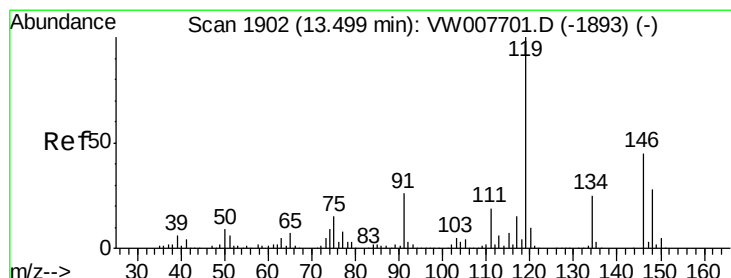
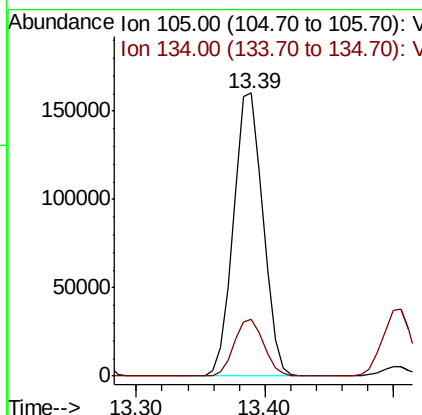
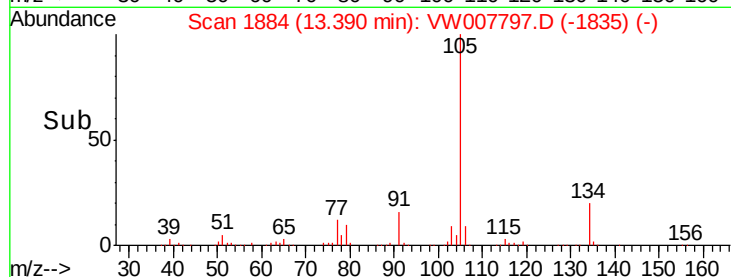
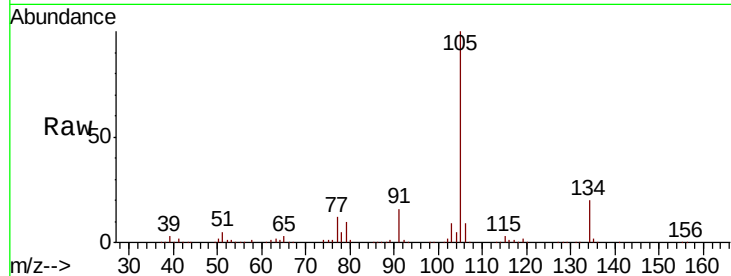
#85
 sec-Butylbenzene
 Concen: 55.924 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.4

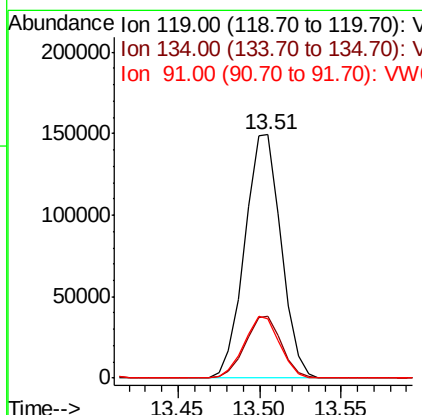
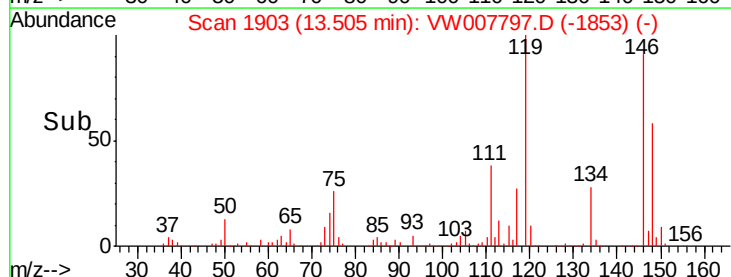
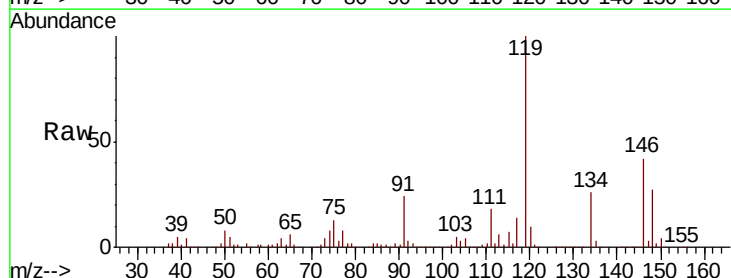
Manual Integrations
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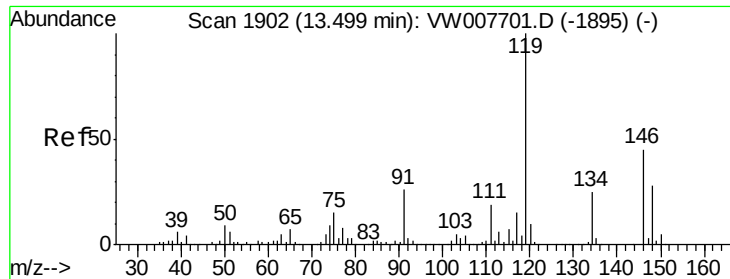
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#86
 p-Isopropyltoluene
 Concen: 55.892 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	39.0
91	25.0	12.8	38.4





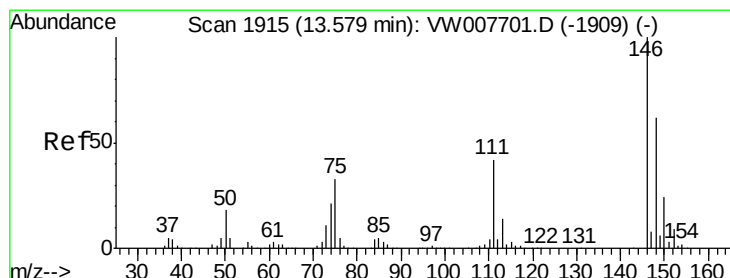
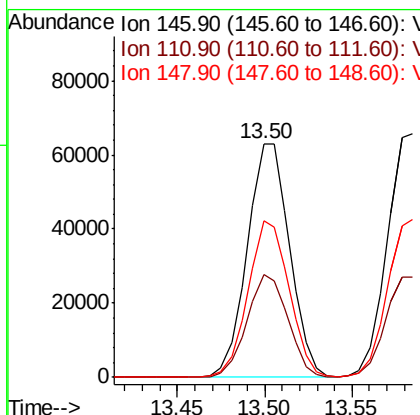
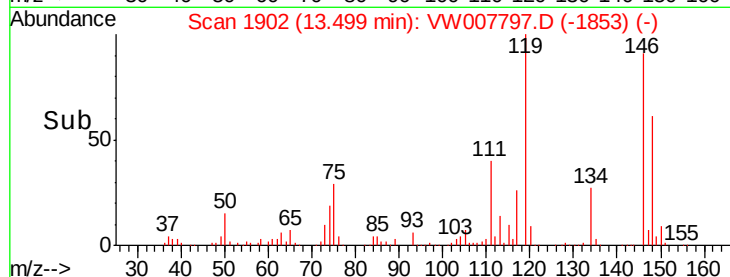
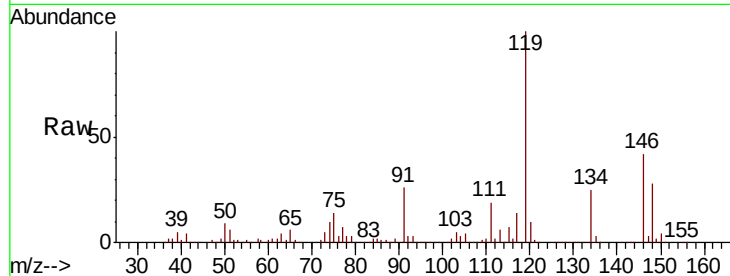
#87
 1,3-Dichlorobenzene
 Concen: 53.131 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	65.0	32.1	96.5

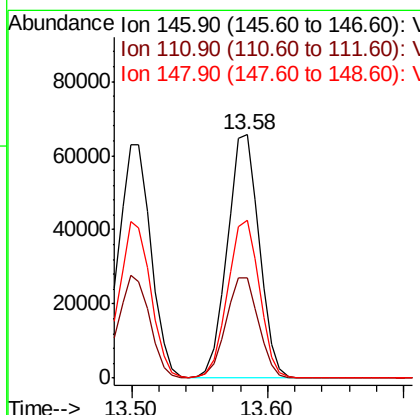
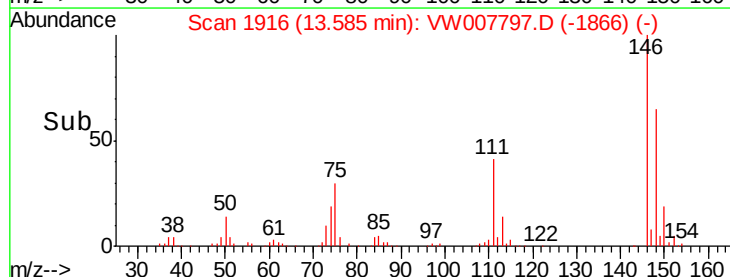
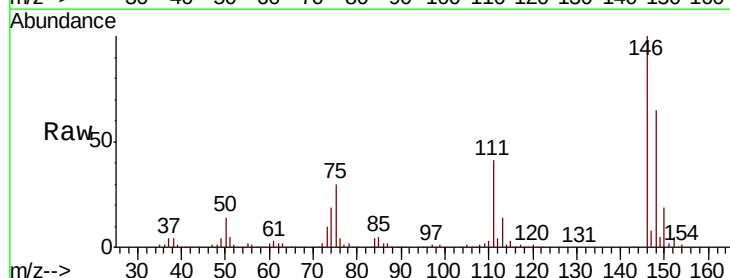
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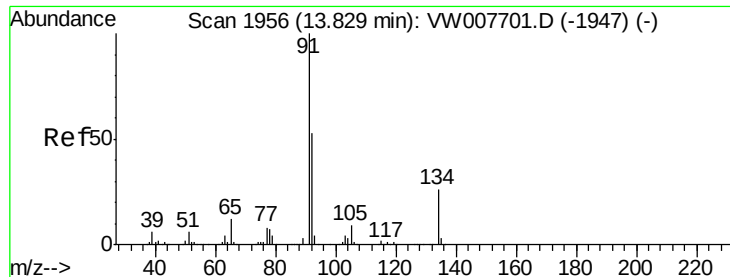
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#88
 1,4-Dichlorobenzene
 Concen: 53.547 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.0	63.0
148	64.8	31.8	95.4





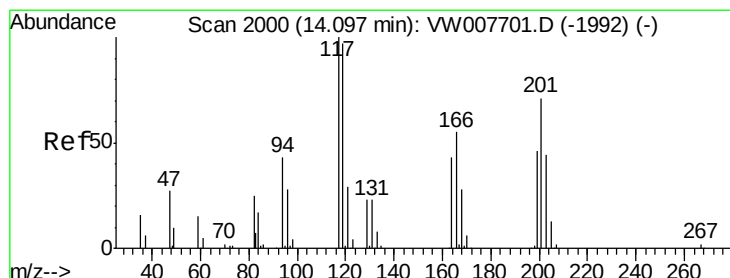
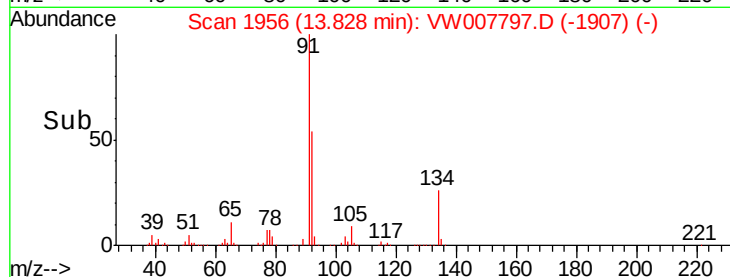
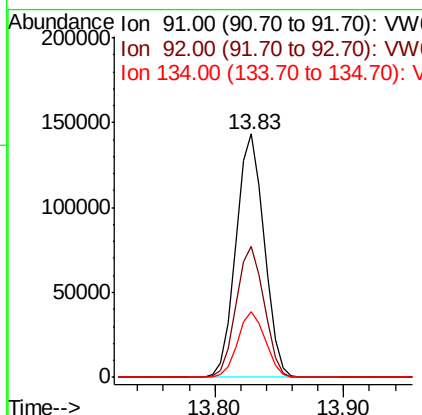
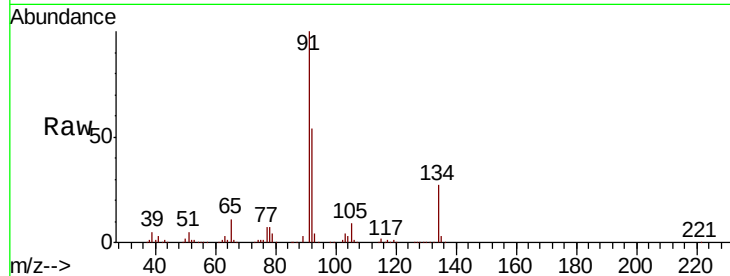
#89
n-Butylbenzene
Concen: 57.000 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.4	79.2
134	26.6	13.7	41.0

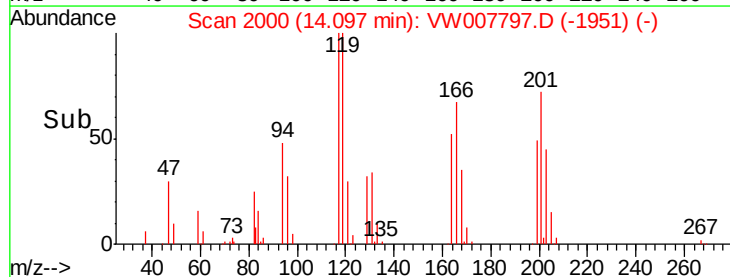
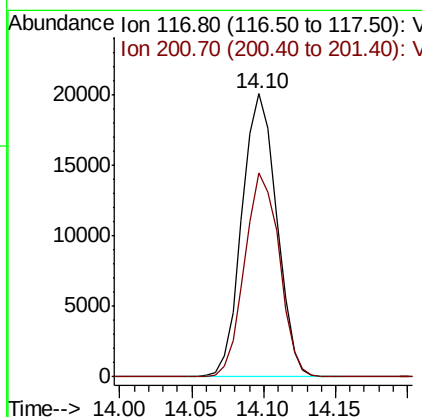
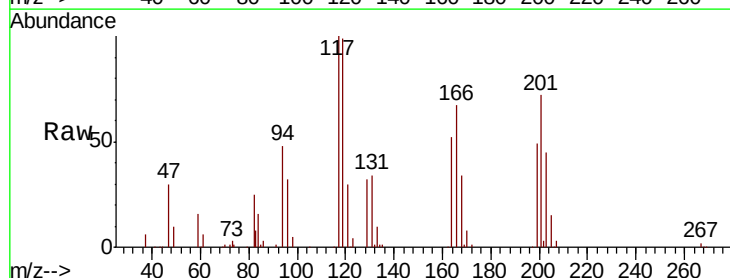
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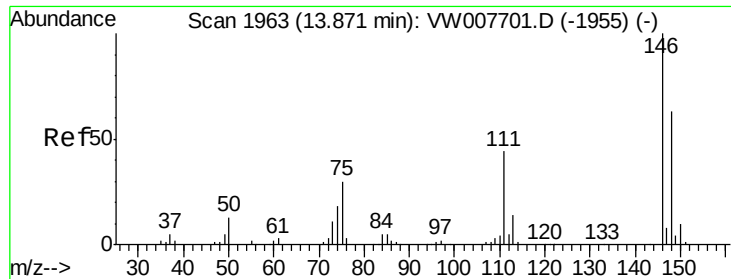
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#90
Hexachloroethane
Concen: 46.108 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	36.2	108.6





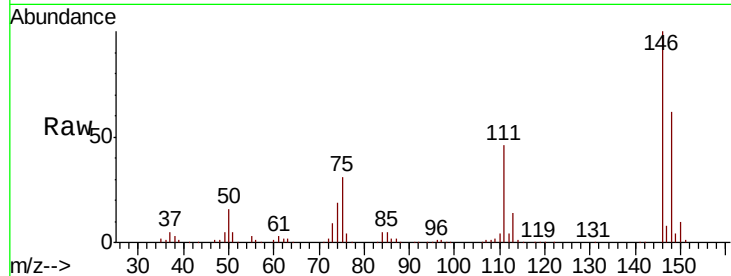
#91
 1,2-Dichlorobenzene
 Concen: 52.977 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.7	65.1
148	63.8	32.1	96.5

Manual Integrations
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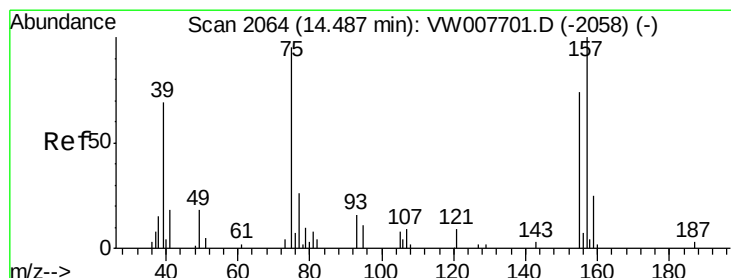
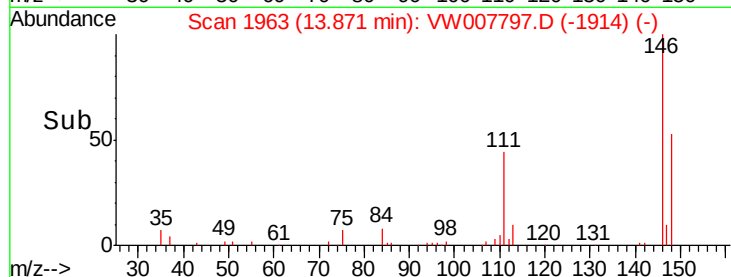
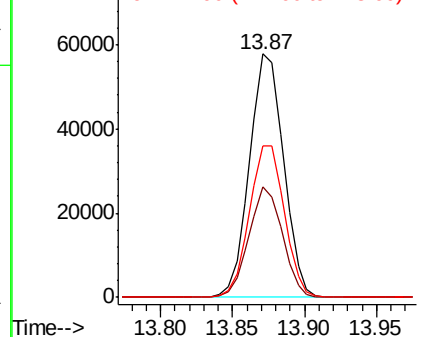


Abundance

Ion 145.90 (145.60 to 146.60): V

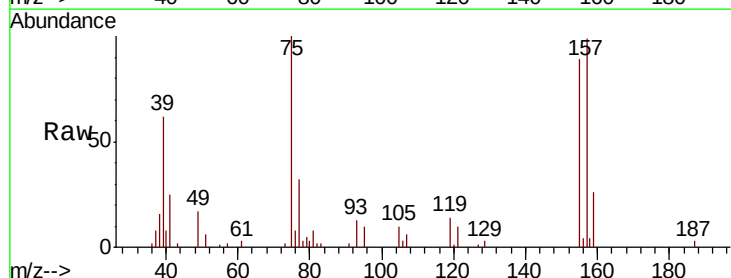
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.262 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	39.4	118.1
157	102.0	52.0	156.0

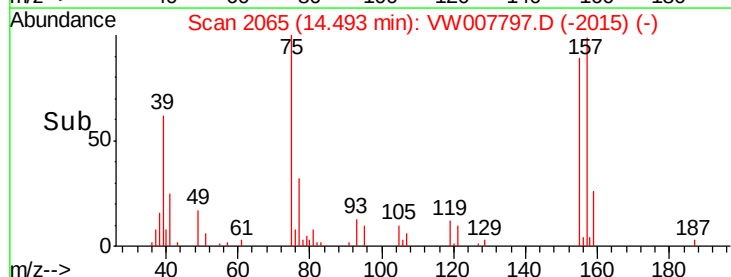
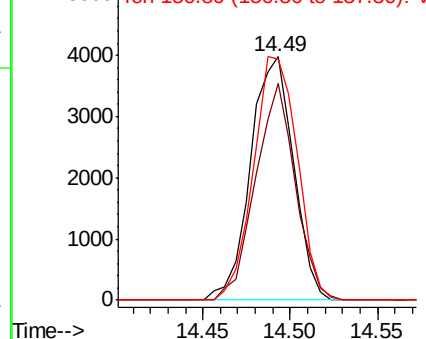


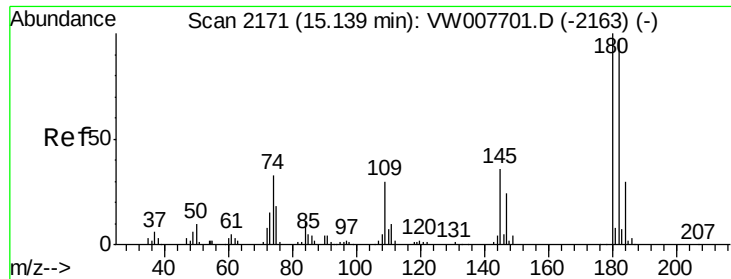
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





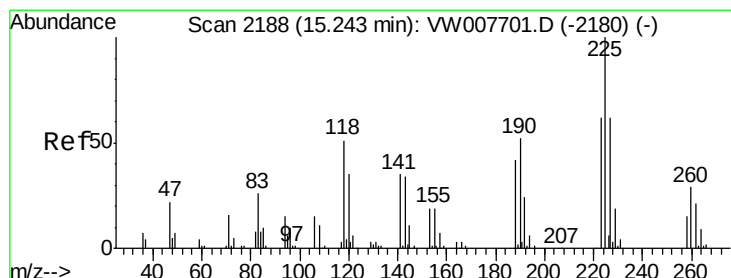
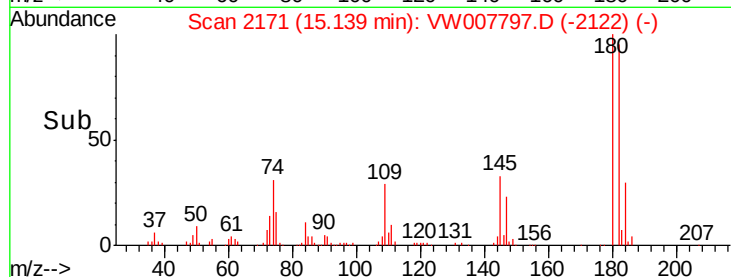
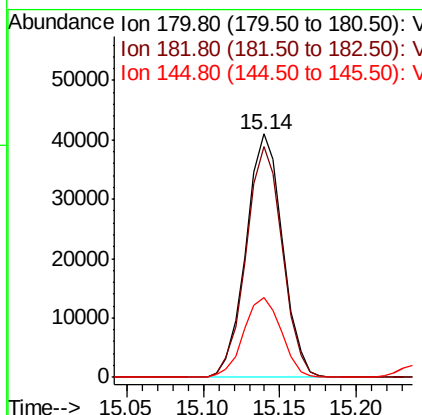
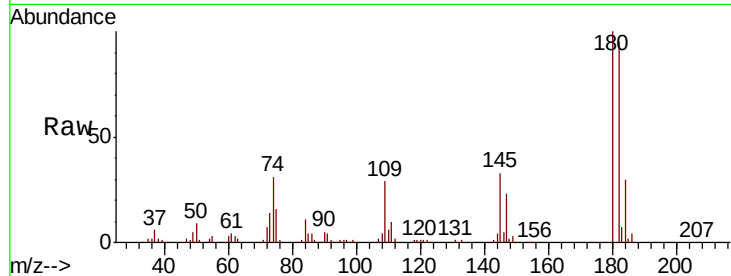
#93
 1,2,4-Trichlorobenzene
 Concen: 54.928 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68070		
182	94.5		47.5	142.6
145	34.0		17.5	52.5

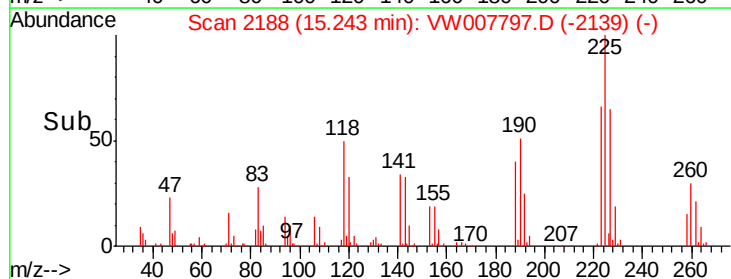
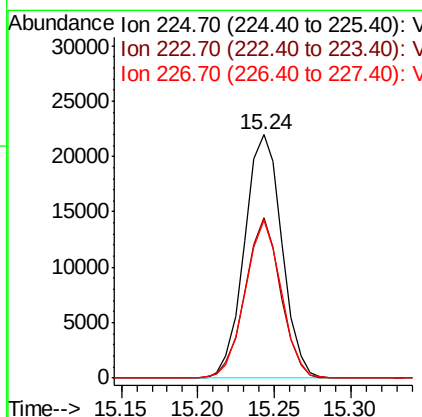
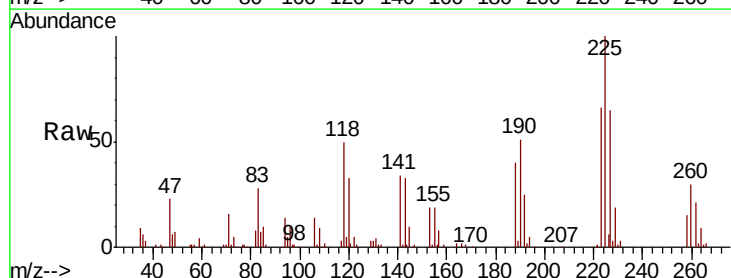
Manual Integrations
 APPROVED

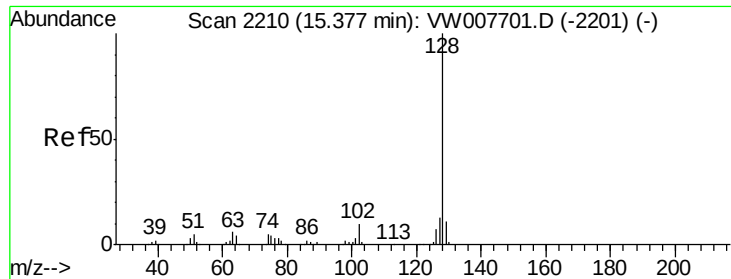
MMDadoda
 12/26/2018 10:58:47 AM



#94
 Hexachlorobutadiene
 Concen: 56.507 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37424		
223	62.3		31.6	94.8
227	62.1		32.1	96.3





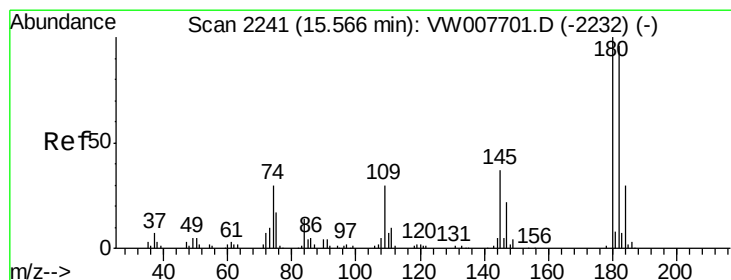
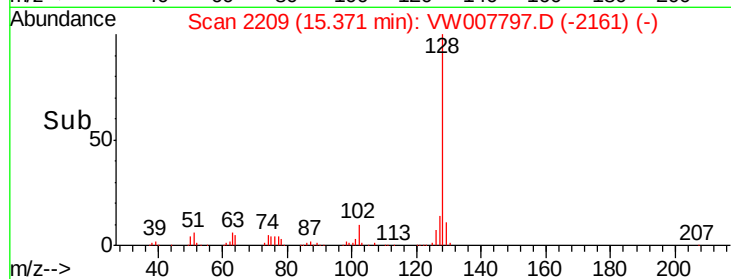
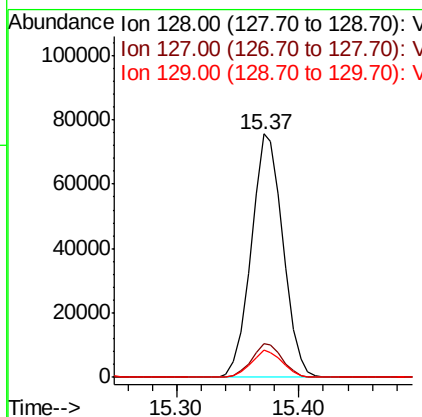
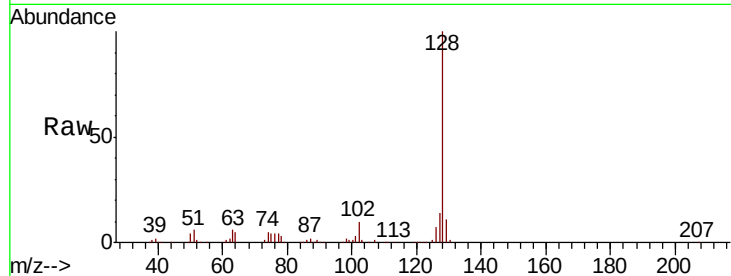
#95
Naphthalene
Concen: 59.547 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:58:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.560 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.2
145	37.4	18.4	55.0

