

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100819\
 Data File : VX012886.D
 Acq On : 08 Oct 2019 12:37
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:36:50 AM

Quant Time: Oct 09 01:36:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	310422	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	137542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	237800	89.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.42%	
35) Dibromofluoromethane	5.49	113	189328	101.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.62%	
50) Toluene-d8	8.71	98	735392	102.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.80%	
62) 4-Bromofluorobenzene	11.14	95	294537	104.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	198960	94.957	ug/l	99
3) Chloromethane	1.31	50	206208	87.155	ug/l	98
4) Vinyl Chloride	1.40	62	220385	93.362	ug/l	100
5) Bromomethane	1.62	94	84949	90.804	ug/l	99
6) Chloroethane	1.70	64	129699	82.156	ug/l	99
7) Trichlorofluoromethane	1.91	101	300282	90.779	ug/l	98
8) Diethyl Ether	2.18	74	117498	87.048	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	191191	94.374	ug/l	99
10) Methyl Iodide	2.50	142	228835	118.877	ug/l	99
11) Tert butyl alcohol	3.05	59	309251	467.120	ug/l	99
12) 1,1-Dichloroethene	2.36	96	193351	97.509	ug/l	97
13) Acrolein	2.28	56	224067	613.803	ug/l	98
14) Allyl chloride	2.72	41	355523	91.383	ug/l	98
15) Acrylonitrile	3.14	53	615713	457.143	ug/l	99
16) Acetone	2.44	43	602011	428.709	ug/l	99
17) Carbon Disulfide	2.55	76	544739	97.818	ug/l	100
18) Methyl Acetate	2.76	43	292466	88.139	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	683998	91.891	ug/l	99
20) Methylene Chloride	2.84	84	219861	91.385	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	206710	94.236	ug/l	97
22) Diisopropyl ether	3.84	45	662694	88.105	ug/l	95
23) Vinyl Acetate	3.80	43	2963241	450.725	ug/l	100
24) 1,1-Dichloroethane	3.69	63	373395	91.127	ug/l	99
25) 2-Butanone	4.66	43	882968	439.451	ug/l	98
26) 2,2-Dichloropropane	4.57	77	320439	88.373	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	237903	93.506	ug/l	99
28) Bromochloromethane	5.00	49	105781	72.777	ug/l	98
29) Tetrahydrofuran	5.12	42	550128	448.489	ug/l	100
30) Chloroform	5.20	83	374679	89.160	ug/l	100
31) Cyclohexane	5.57	56	342369	92.067	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	336621	90.862	ug/l	99
36) 1,1-Dichloropropene	5.79	75	286503	95.254	ug/l	99
37) Ethyl Acetate	4.82	43	324814	93.537	ug/l	100
38) Carbon Tetrachloride	5.78	117	291724	96.363	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	354317	97.467	ug/l	97
40) Benzene	6.14	78	852087	96.541	ug/l	98
41) Methacrylonitrile	5.03	41	181334	93.440	ug/l	98
42) 1,2-Dichloroethane	6.18	62	304377	91.616	ug/l	99
43) Isopropyl Acetate	6.43	43	534961	92.321	ug/l	99
44) Trichloroethene	7.21	130	224969	99.003	ug/l	96
45) 1,2-Dichloropropane	7.51	63	217605	96.310	ug/l	100
46) Dibromomethane	7.65	93	146161	95.148	ug/l	99
47) Bromodichloromethane	7.89	83	296330	97.001	ug/l	99
48) Methyl methacrylate	7.76	41	261060	94.059	ug/l	99
49) 1,4-Dioxane	7.73	88	130169	2040.716	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1673869	467.917	ug/l	99
52) Toluene	8.78	92	546368	98.542	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	342487	101.229	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	367176	99.255	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	214499	97.327	ug/l	99
56) Ethyl methacrylate	9.17	69	372669	100.925	ug/l	99
57) 1,3-Dichloropropane	9.37	76	372623	96.669	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	813392	493.912	ug/l	100
59) 2-Hexanone	9.49	43	1303549	477.042	ug/l	99
60) Dibromochloromethane	9.58	129	235082	105.272	ug/l	99
61) 1,2-Dibromoethane	9.67	107	232868	101.517	ug/l	99
64) Tetrachloroethene	9.33	164	194655	97.927	ug/l	96
65) Chlorobenzene	10.14	112	576015	97.043	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	216527	100.709	ug/l	99
67) Ethyl Benzene	10.25	91	1056331	98.158	ug/l	97
68) m/p-Xylenes	10.35	106	791182	196.424	ug/l	99
69) o-Xylene	10.70	106	386424	98.999	ug/l	99
70) Styrene	10.71	104	682151	104.150	ug/l	100
71) Bromoform	10.85	173	171087	113.601	ug/l	99
73) Isopropylbenzene	11.01	105	1023233	91.280	ug/l	99
74) N-amyl acetate	10.89	43	480893	91.421	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	340632	92.289	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	325859m	92.612	ug/l	
77) Bromobenzene	11.25	156	243792	95.745	ug/l	98
78) n-propylbenzene	11.35	91	1180816	94.056	ug/l	99
79) 2-Chlorotoluene	11.42	91	700550	89.249	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	874915	93.134	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	124651	99.777	ug/l	95
82) 4-Chlorotoluene	11.51	91	834804	93.231	ug/l	98
83) tert-Butylbenzene	11.77	119	846617	93.043	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	888444	93.559	ug/l	97
85) sec-Butylbenzene	11.94	105	999454	94.499	ug/l	100
86) p-Isopropyltoluene	12.06	119	944779	99.084	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	451062	98.073	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	447512	96.662	ug/l	99
89) n-Butylbenzene	12.38	91	800224	95.646	ug/l	99
90) Hexachloroethane	12.59	117	167280	98.983	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	439059	95.772	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	83962	91.693	ug/l	98

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ClientSampleId :
VSTDICC100

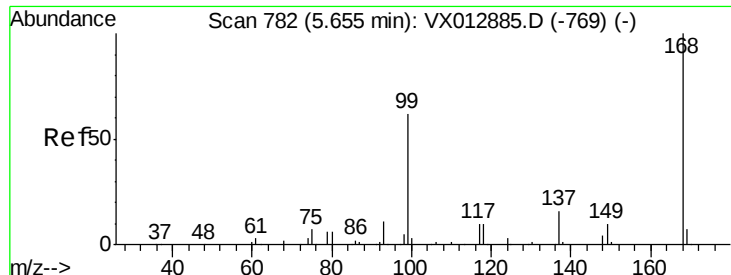
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	276309	98.137	ug/l	98
94) Hexachlorobutadiene	13.78	225	126298	103.343	ug/l	97
95) Naphthalene	13.83	128	964792	95.670	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	273282	97.102	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 185074

Ion Ratio Lower Upper

168 100

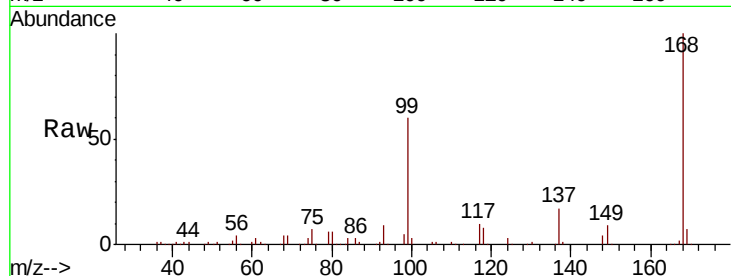
99 59.8 49.4 74.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

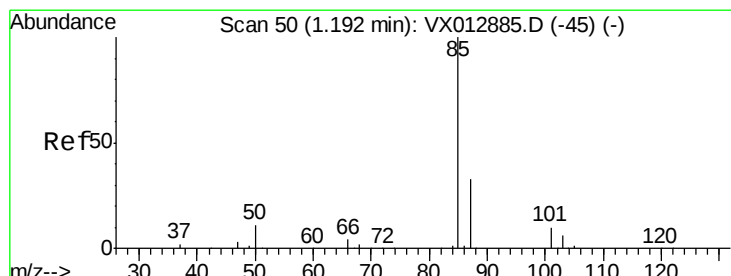
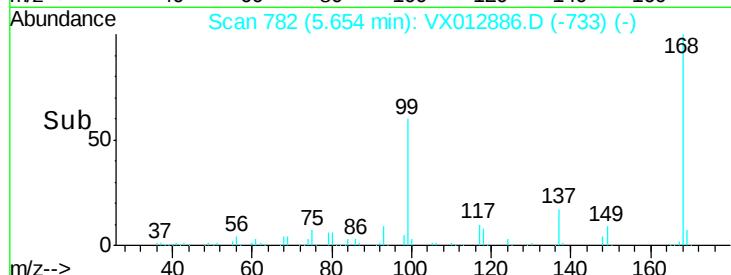
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 94.957 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012886.D

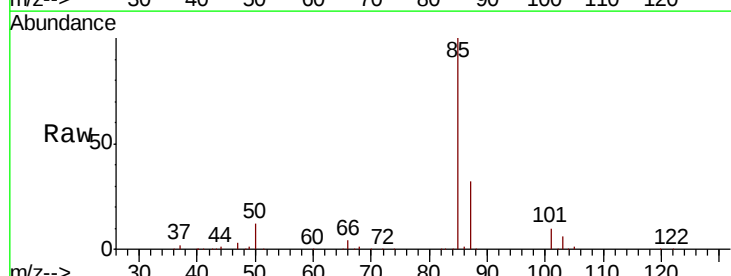
Acq: 08 Oct 2019 12:37

Tgt Ion: 85 Resp: 198960

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

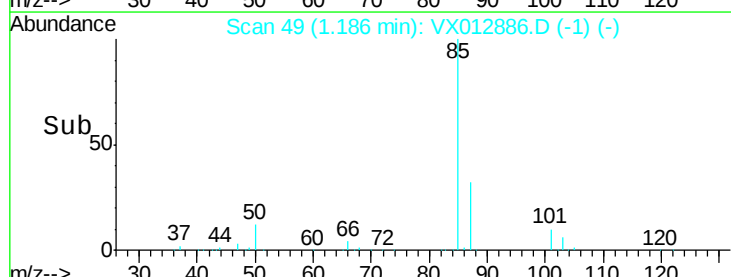
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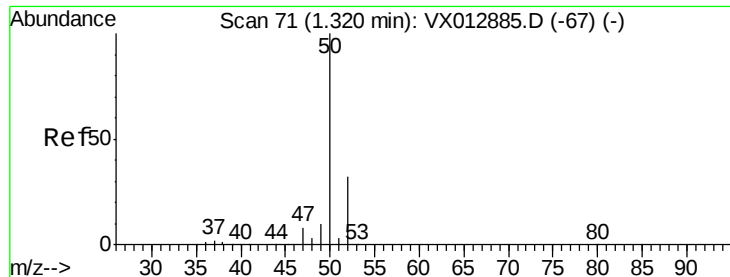
100000

50000

0

Time--> 1.15 1.20 1.25 1.30





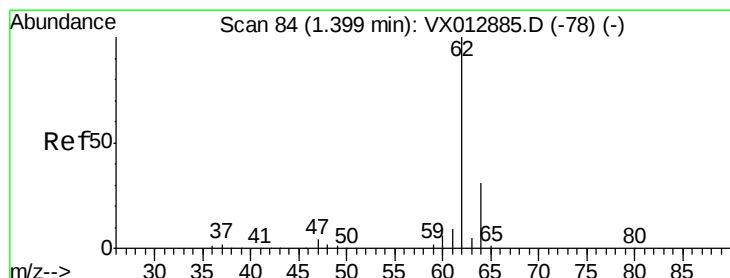
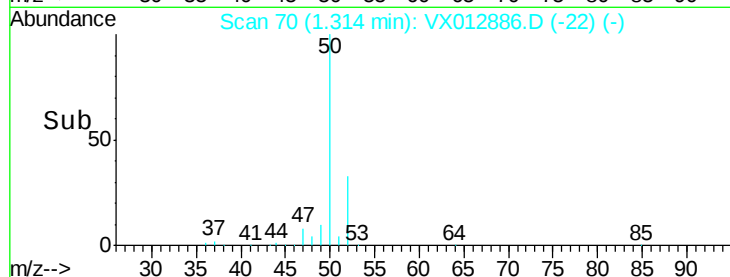
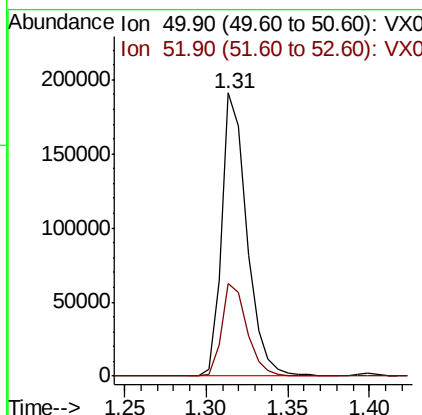
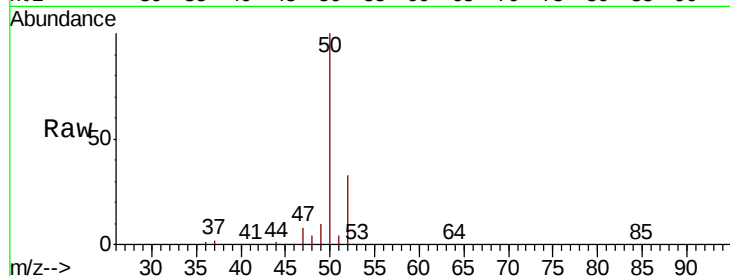
#3
Chloromethane
Concen: 87.155 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.2	37.8

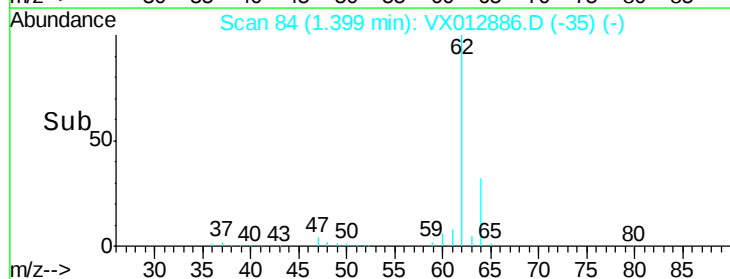
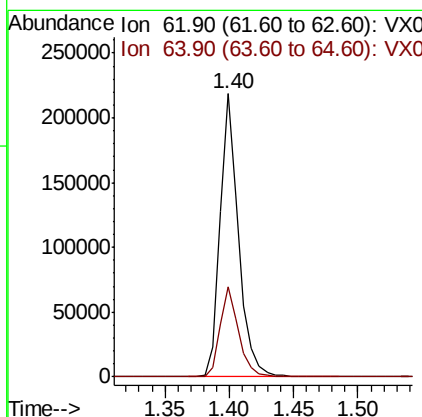
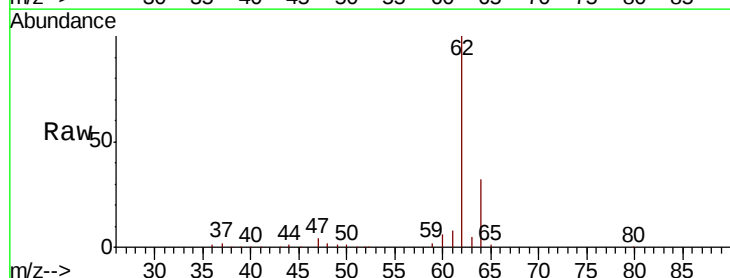
Manual Integrations
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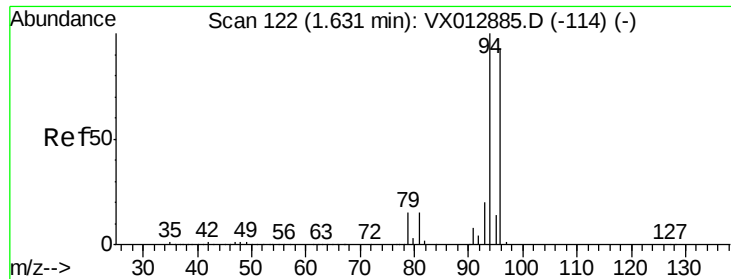
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#4
Vinyl Chloride
Concen: 93.362 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9





#5

Bromomethane

Concen: 90.804 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 84949

Ion Ratio Lower Upper

94 100

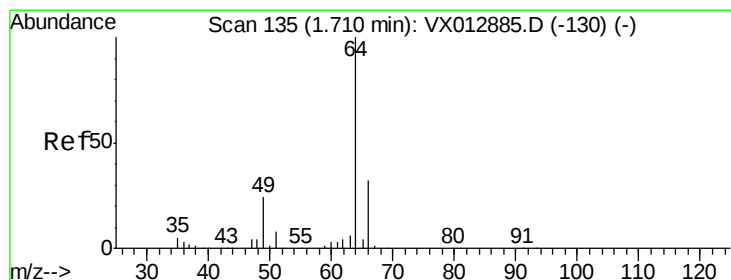
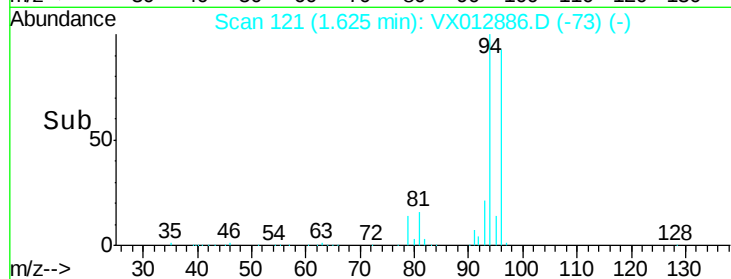
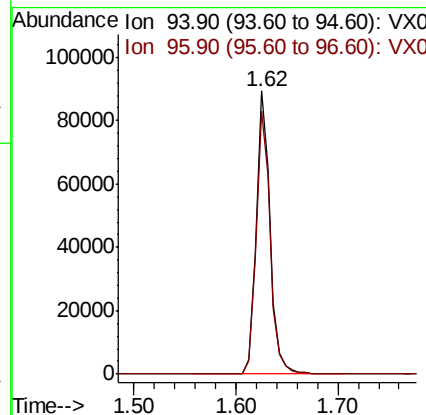
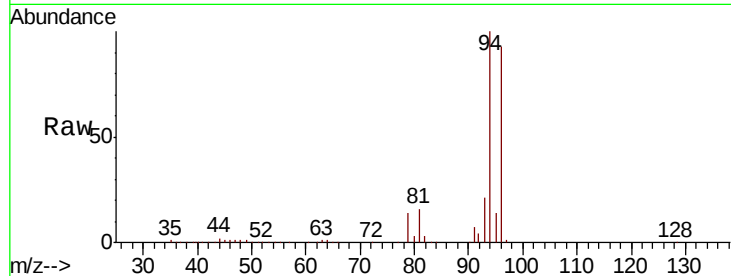
96 92.9 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 82.156 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012886.D

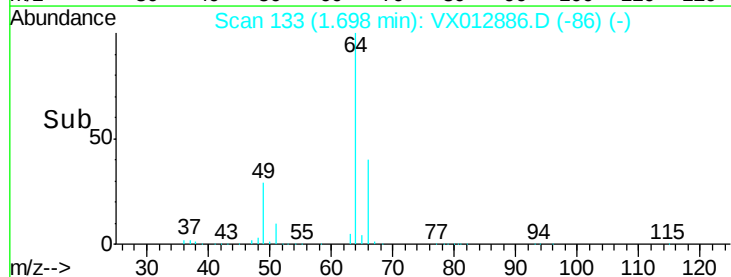
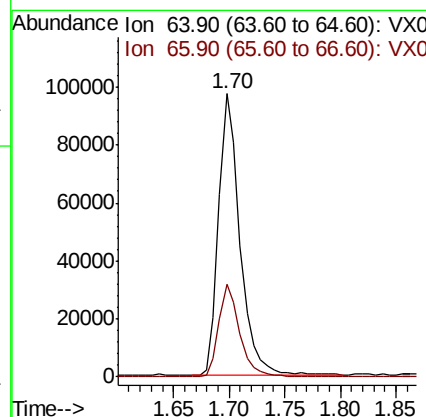
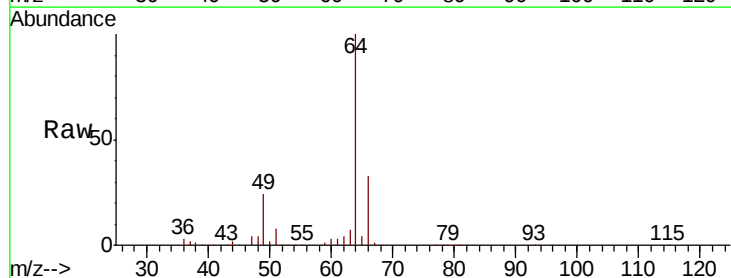
Acq: 08 Oct 2019 12:37

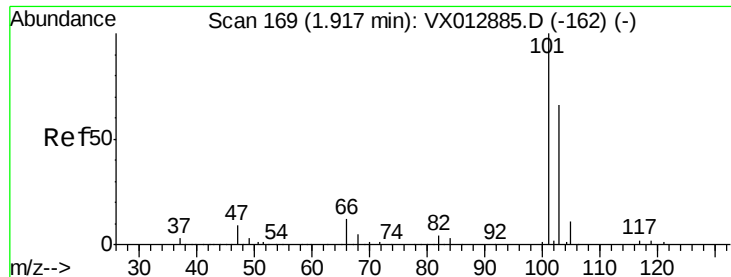
Tgt Ion: 64 Resp: 129699

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4





#7

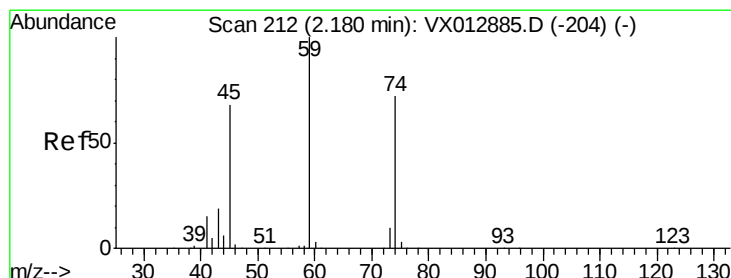
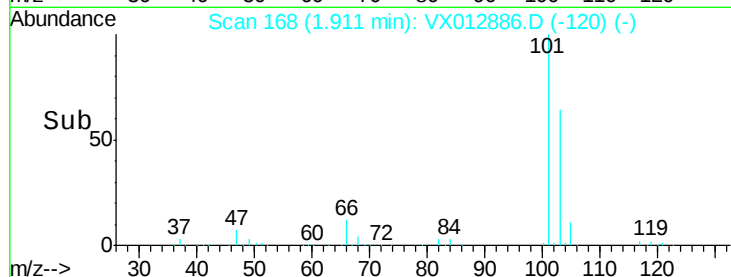
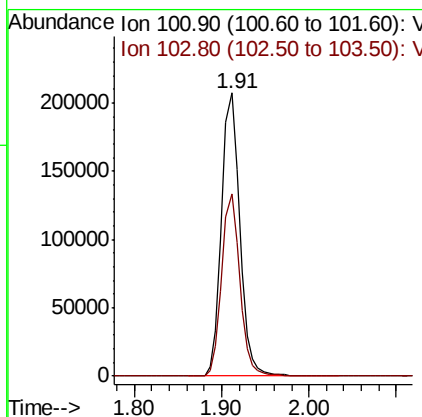
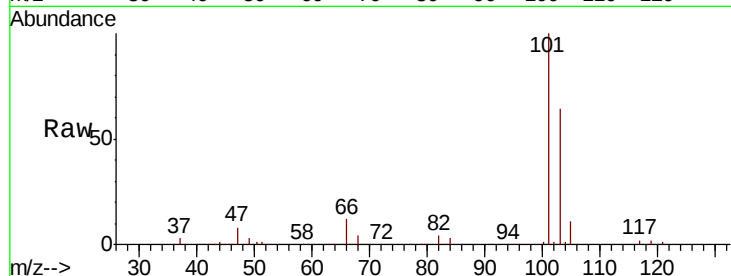
Trichlorofluoromethane
Concen: 90.779 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.5	78.7

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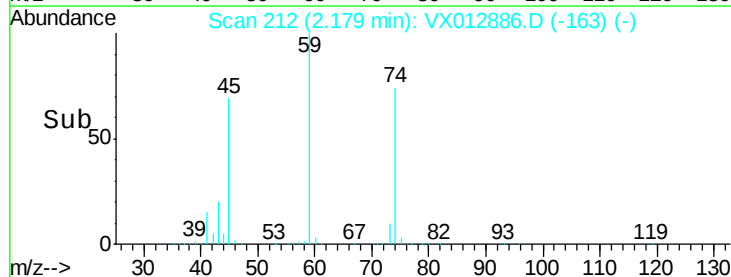
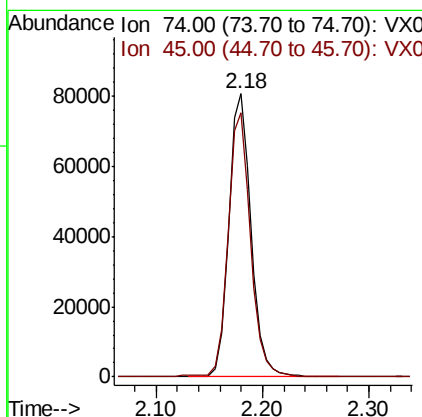
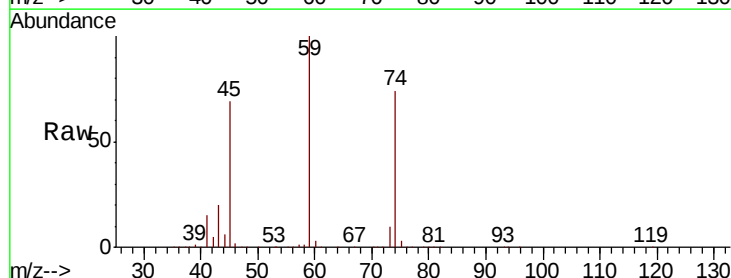
MMDadoda
10/9/2019 10:36:50 AM

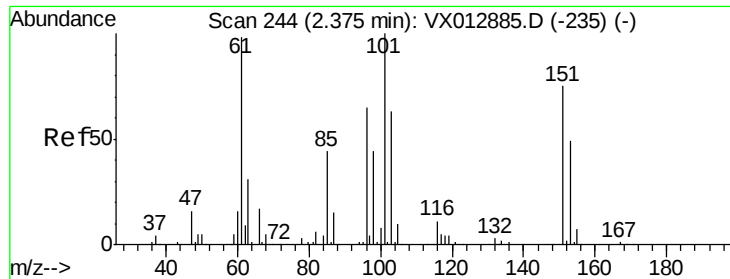


#8

Diethyl Ether
Concen: 87.048 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.374 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

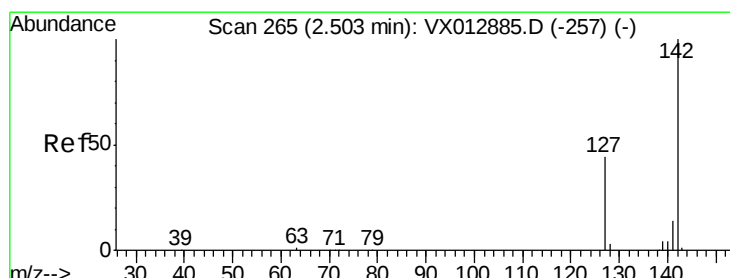
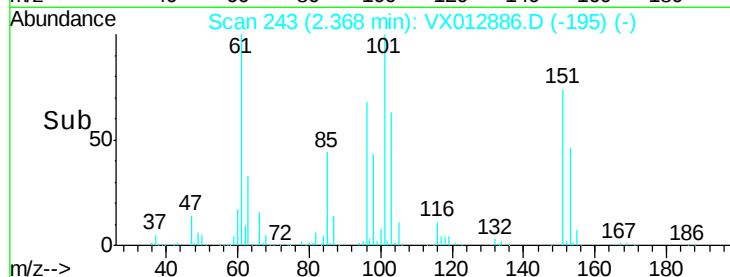
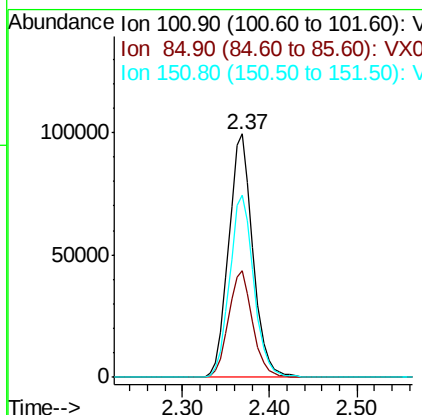
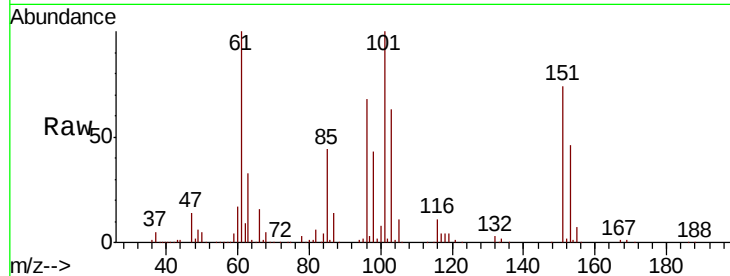
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	191191
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.2	52.8
151	74.8	60.3	90.5

Manual Integrations
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MMDadoda
10/9/2019 10:36:50 AM



#10

Methyl Iodide

Concen: 118.877 ug/l

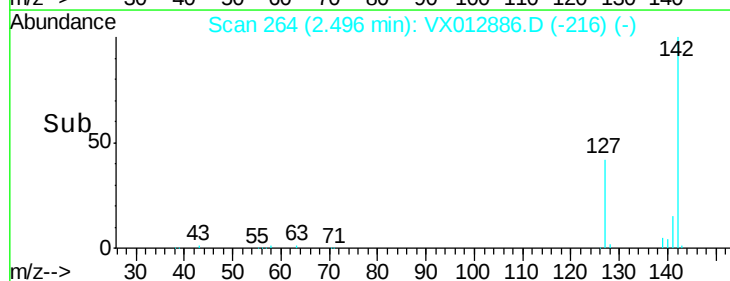
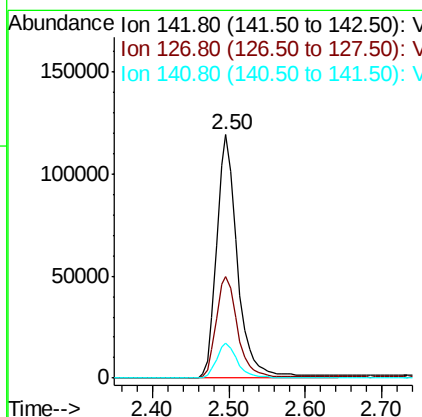
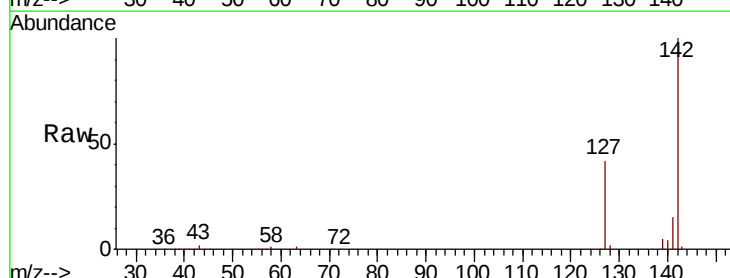
RT: 2.50 min Scan# 264

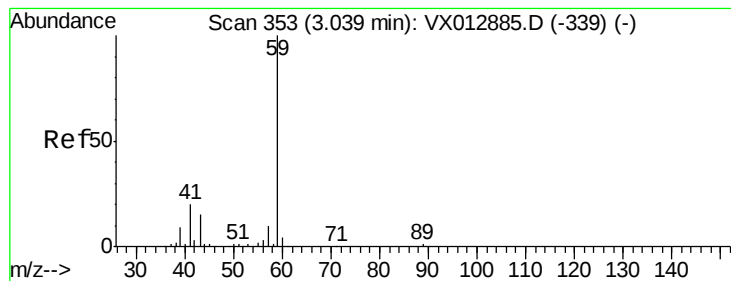
Delta R.T. -0.01 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	142	Resp:	228835
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.9	52.3
141	14.2	11.6	17.4





#11

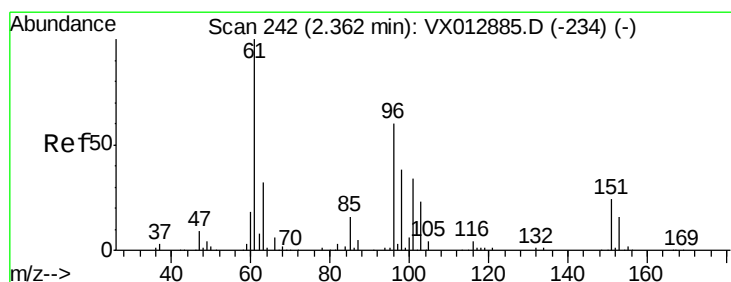
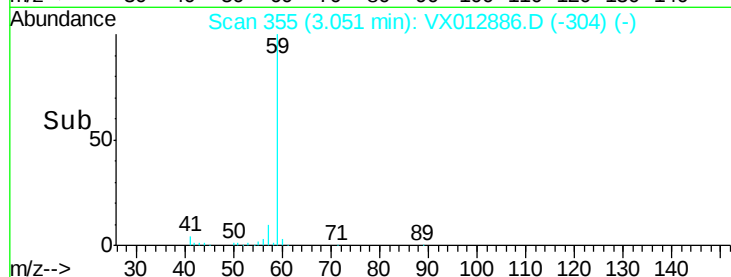
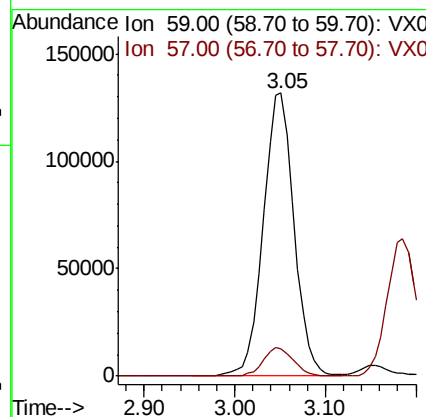
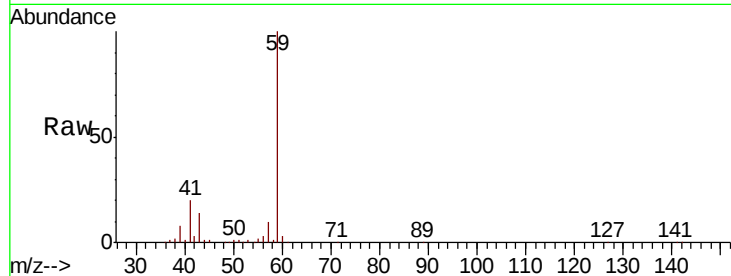
Tert butyl alcohol
Concen: 467.120 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

Manual Integrations
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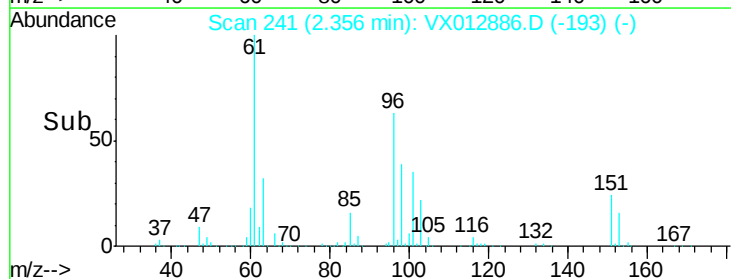
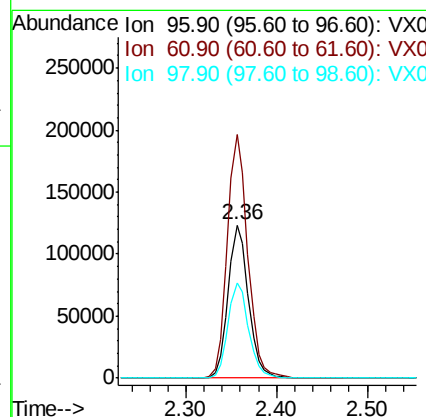
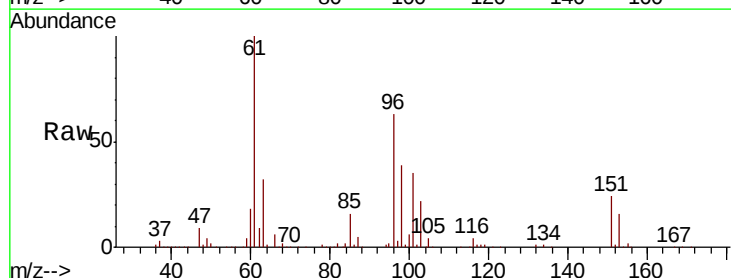
MMDadoda
10/9/2019 10:36:50 AM

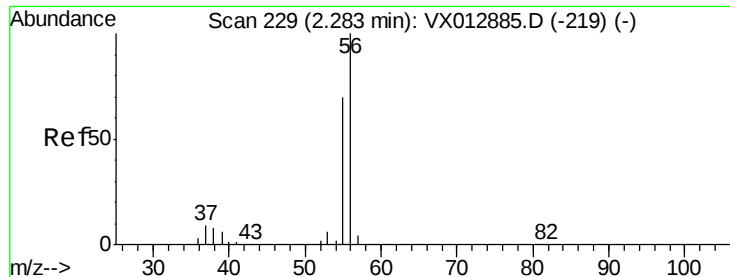


#12

1,1-Dichloroethene
Concen: 97.509 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	132.2	198.4
98	62.5	50.5	75.7





#13

Acrolein

Concen: 613.803 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 224067

Ion Ratio Lower Upper

56 100

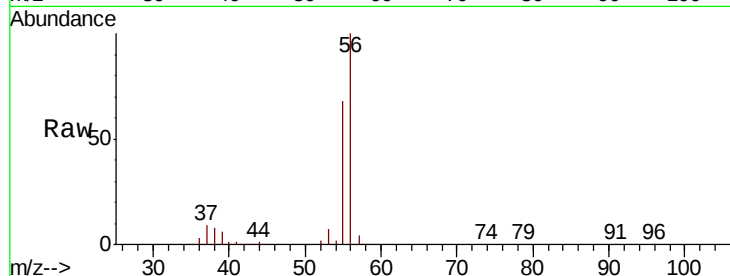
55 69.4 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

10/9/2019 10:36:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

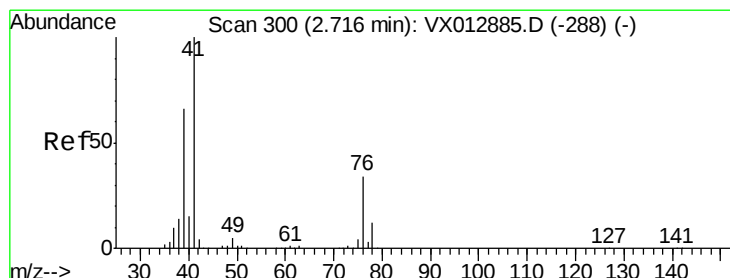
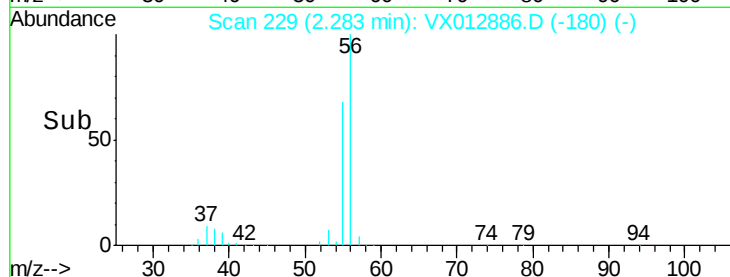
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 91.383 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

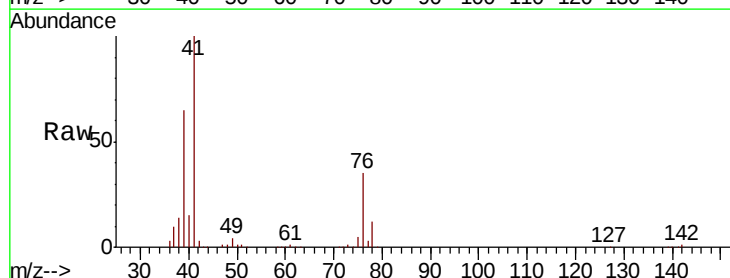
Tgt Ion: 41 Resp: 355523

Ion Ratio Lower Upper

41 100

39 61.6 51.0 76.6

76 32.8 26.2 39.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.72

250000

200000

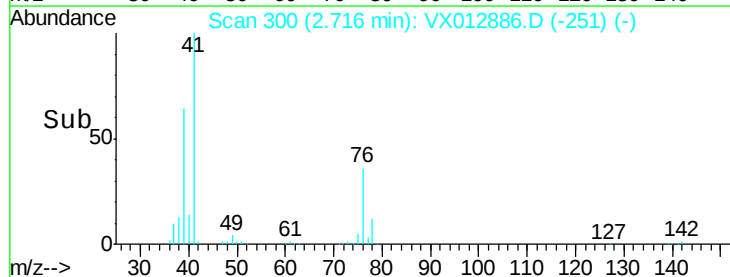
150000

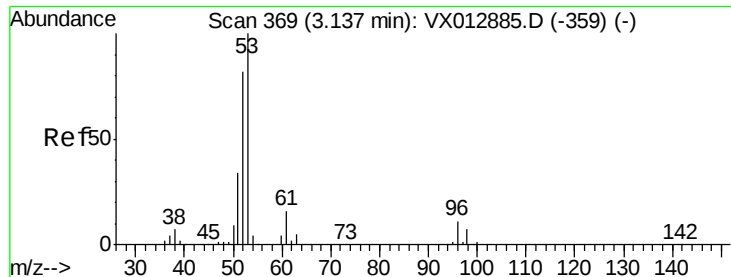
100000

50000

0

Time-->





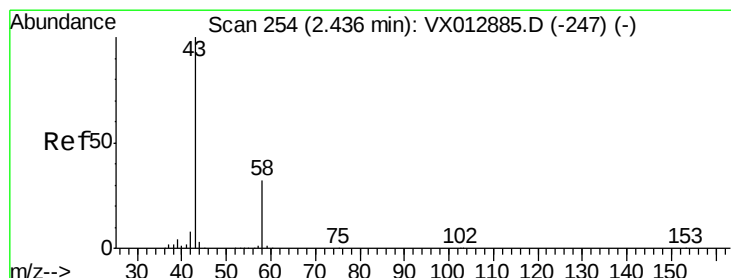
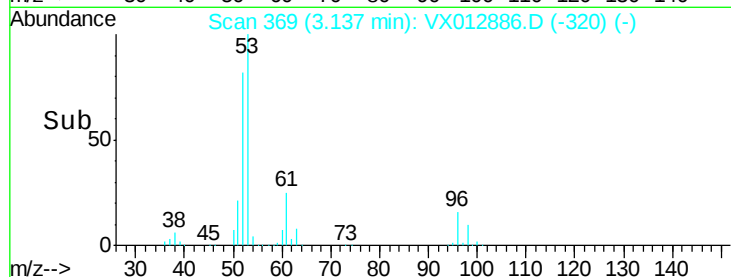
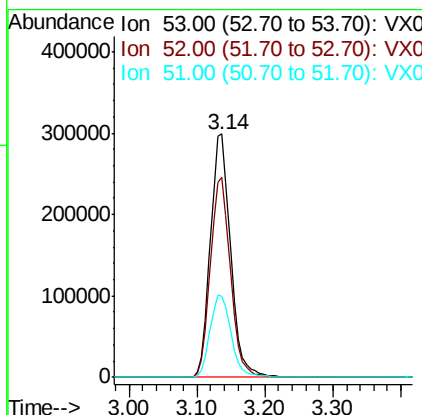
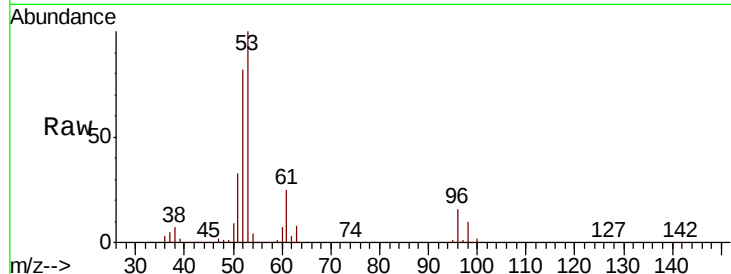
#15
 Acrylonitrile
 Concen: 457.143 ug/l
 RT: 3.14 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.2
51	35.5	28.2	42.4

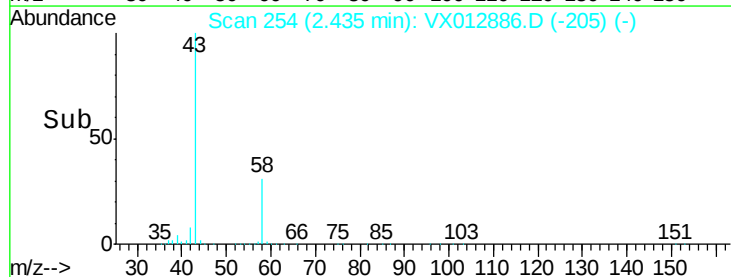
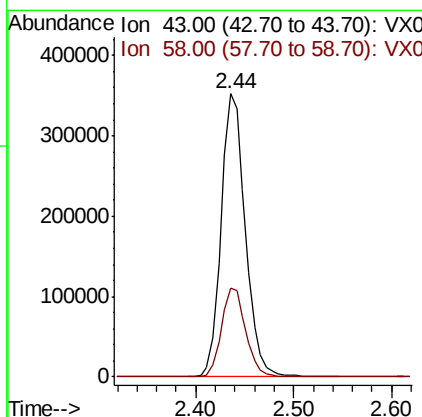
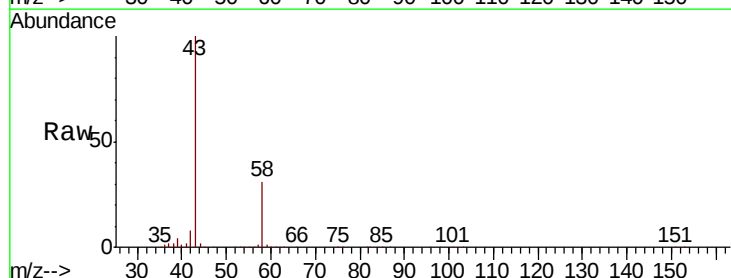
Manual Integrations
 APPROVED

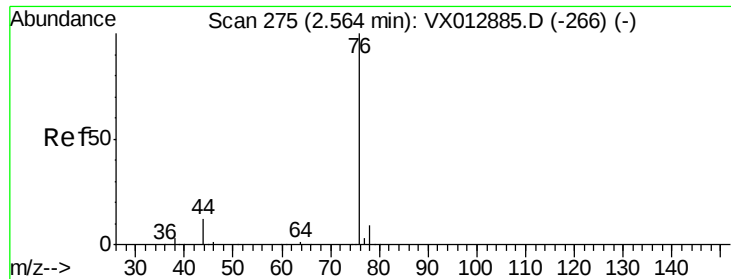
MMDadoda
 10/9/2019 10:36:50 AM



#16
 Acetone
 Concen: 428.709 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.4	38.2





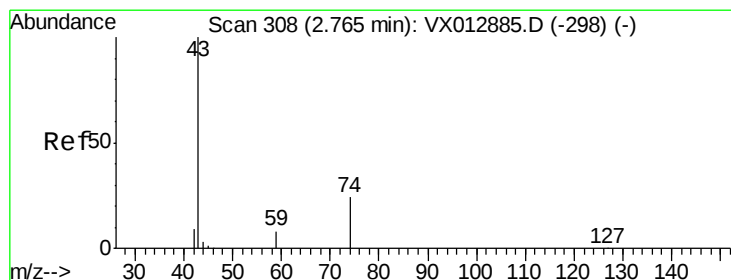
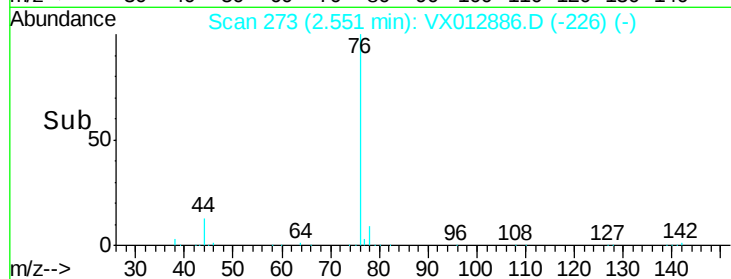
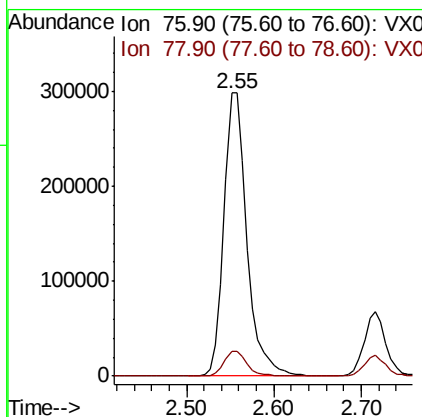
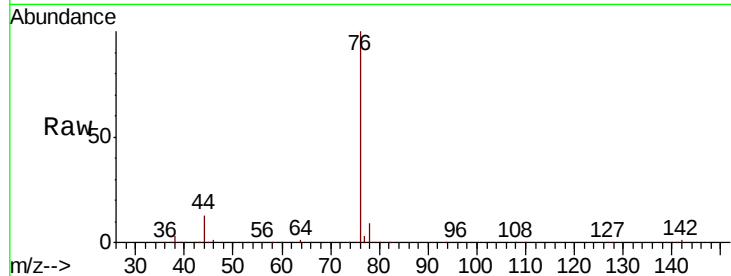
#17
Carbon Disulfide
Concen: 97.818 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

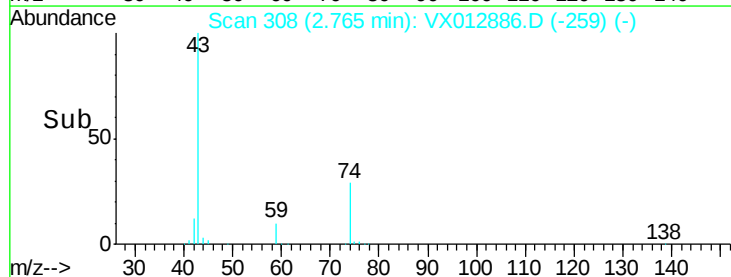
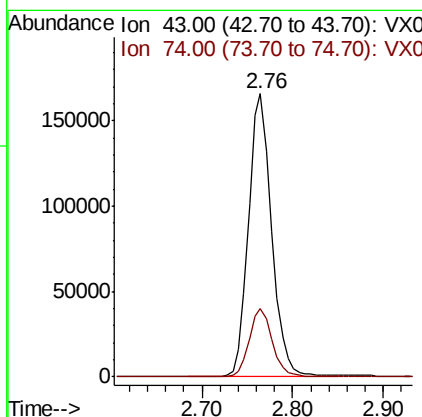
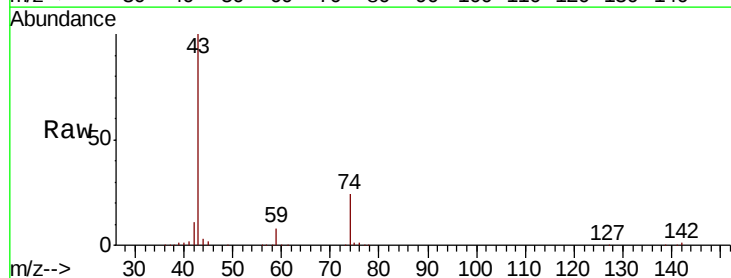
Manual Integrations
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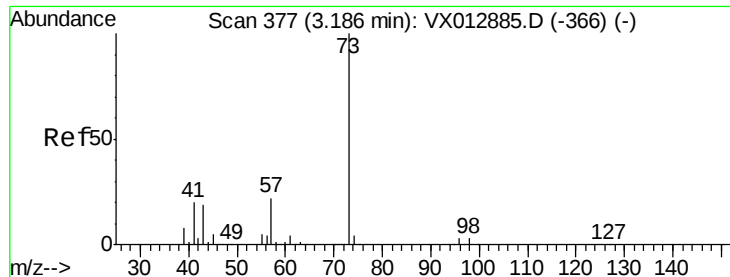
MMDadoda
10/9/2019 10:36:50 AM



#18
Methyl Acetate
Concen: 88.139 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





#19

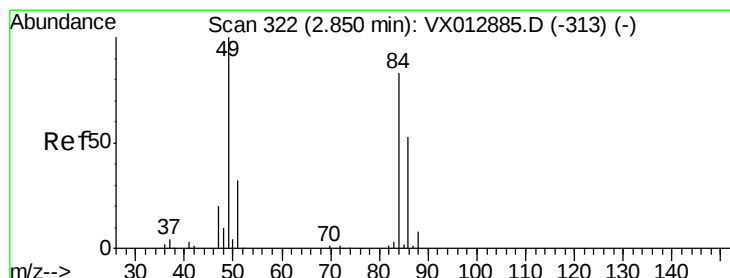
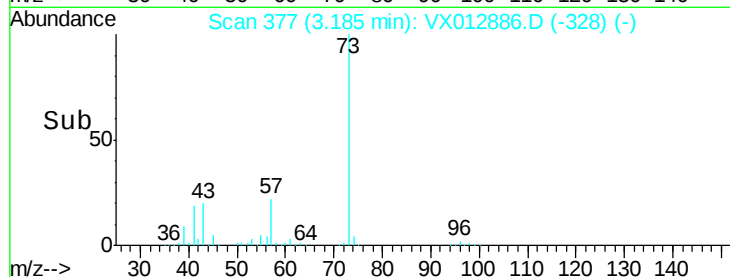
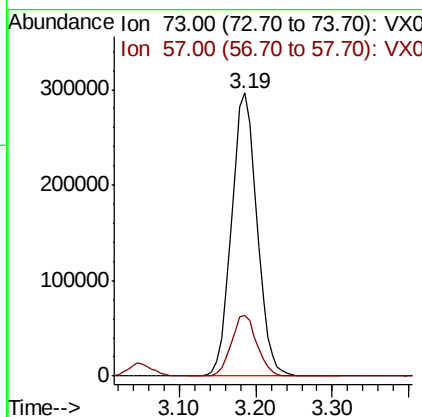
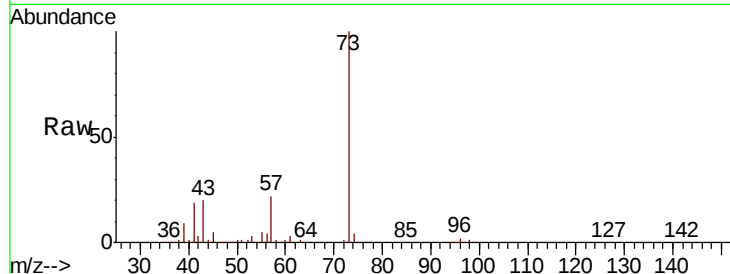
Methyl tert-butyl Ether
 Concen: 91.891 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.8	26.6

Manual Integrations
 APPROVED

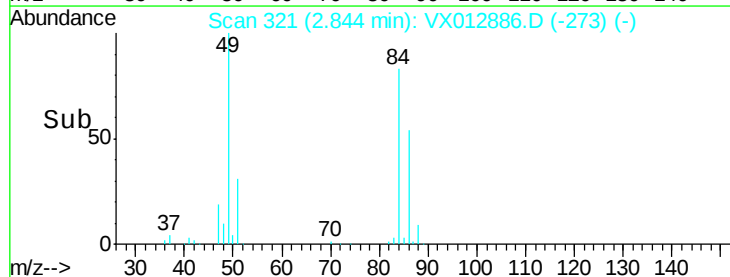
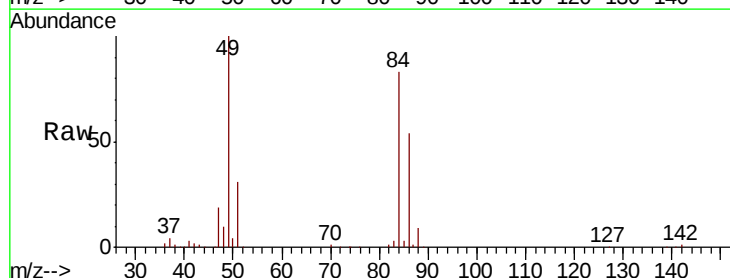
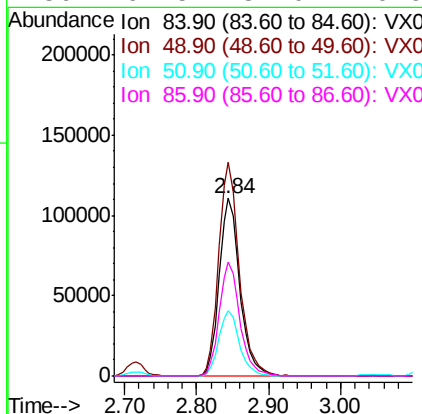
MMDadoda
 10/9/2019 10:36:50 AM

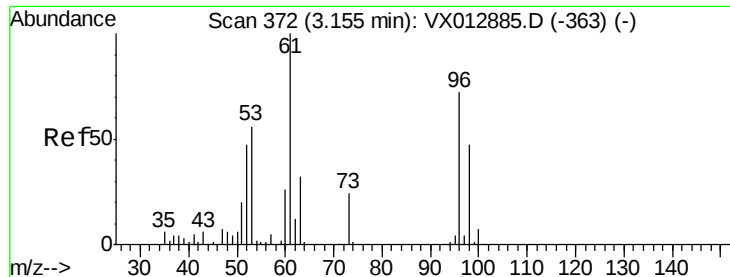


#20

Methylene Chloride
 Concen: 91.385 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.4	96.6	144.8
51	36.7	30.7	46.1
86	64.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 94.236 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

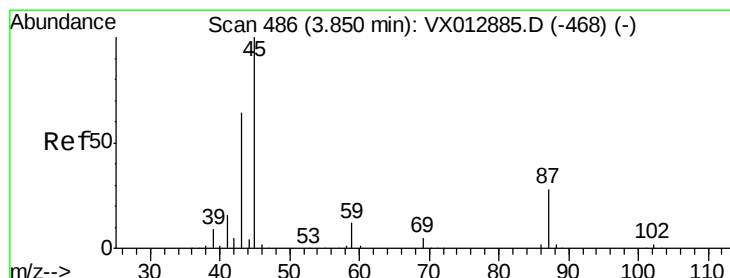
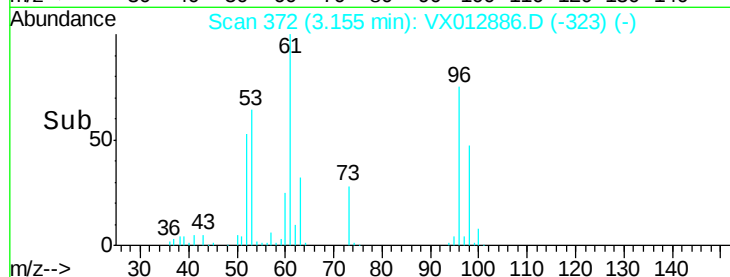
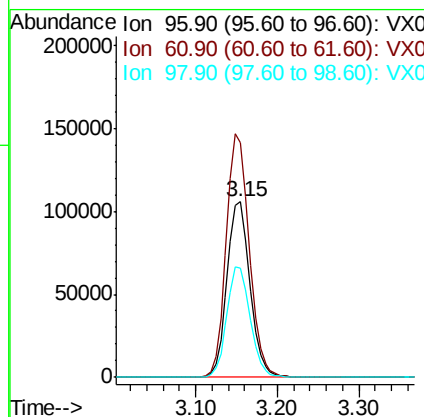
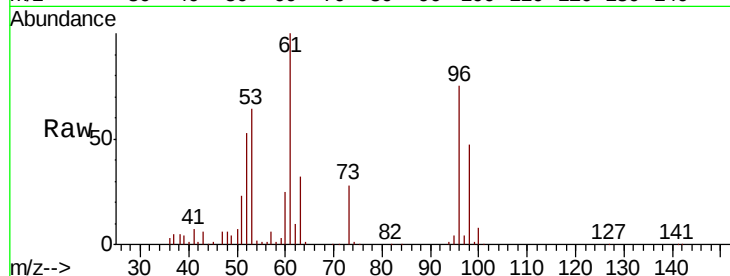
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	206710
Ion	Ratio	Lower	Upper
96	100		
61	134.0	110.4	165.6
98	62.3	51.5	77.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 88.105 ug/l

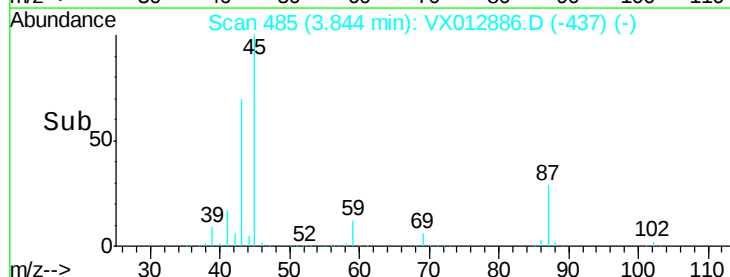
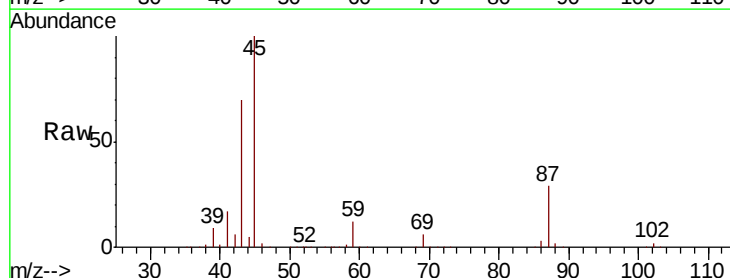
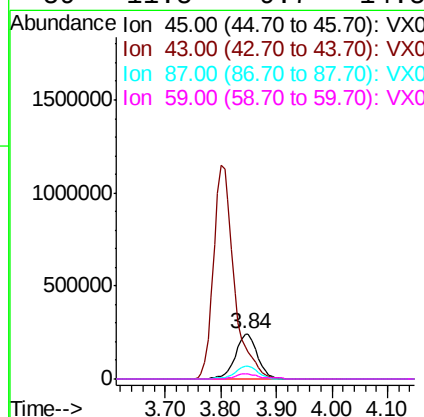
RT: 3.84 min Scan# 485

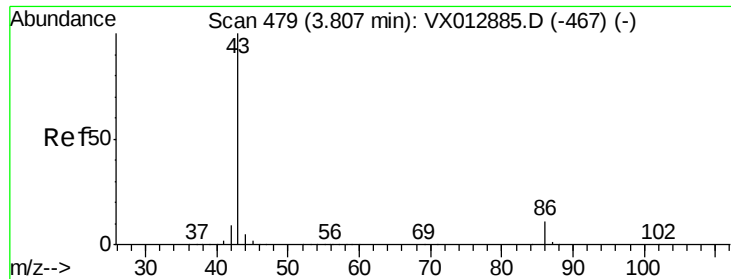
Delta R.T. -0.01 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	45	Resp:	662694
Ion	Ratio	Lower	Upper
45	100		
43	69.9	51.4	77.0
87	28.6	22.5	33.7
59	11.5	9.7	14.5





#23

Vinyl Acetate

Concen: 450.725 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 43 Resp: 2963241

Ion Ratio Lower Upper

43 100

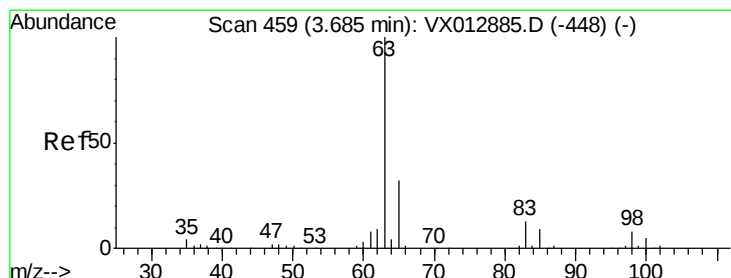
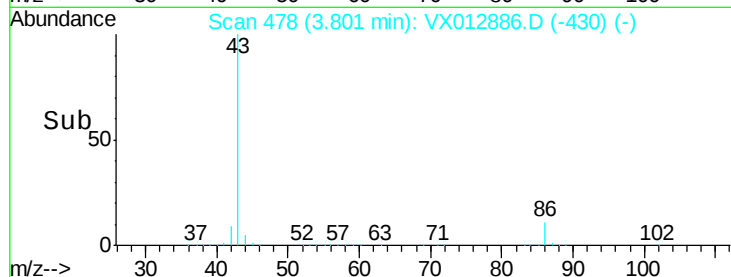
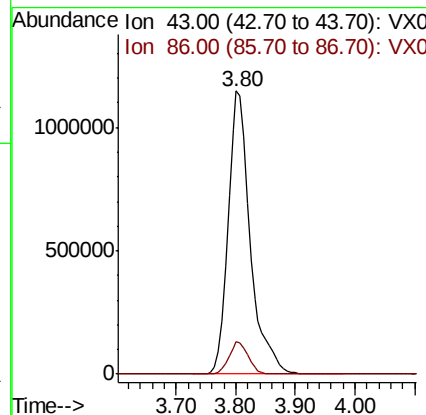
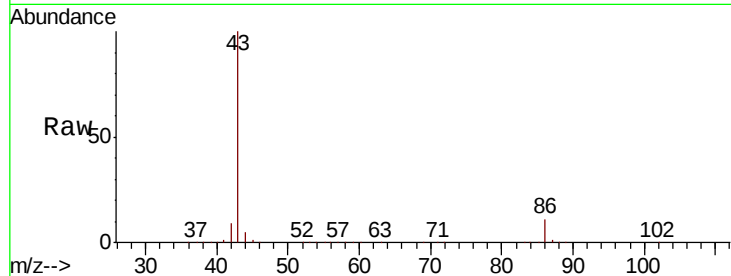
86 11.3 9.0 13.6

Manual Integrations

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MMDadoda

10/9/2019 10:36:50 AM



#24

1,1-Dichloroethane

Concen: 91.127 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

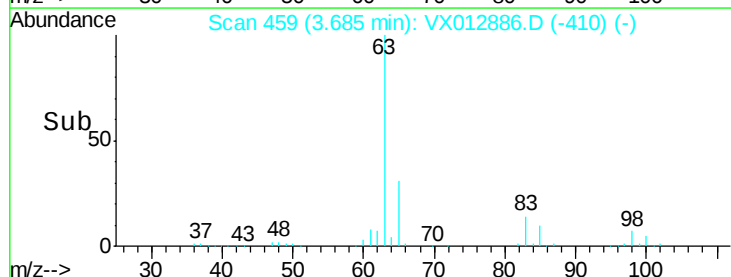
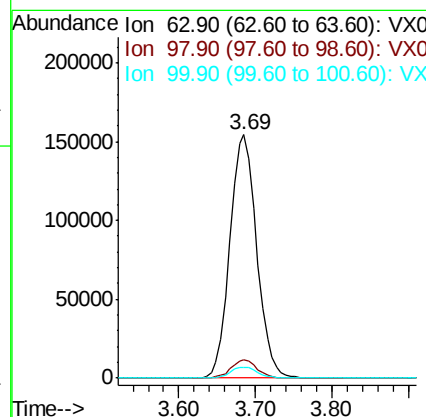
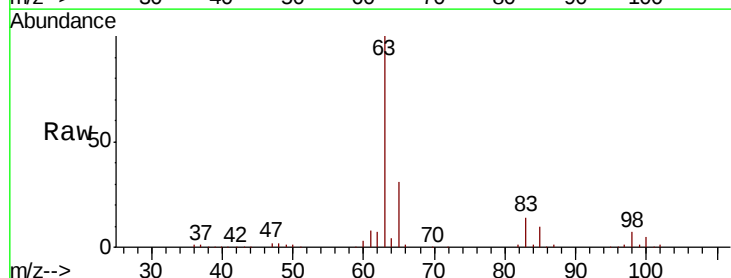
Tgt Ion: 63 Resp: 373395

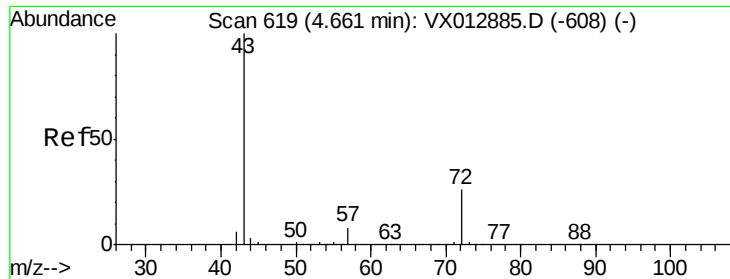
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 439.451 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 882968

Ion Ratio Lower Upper

43 100

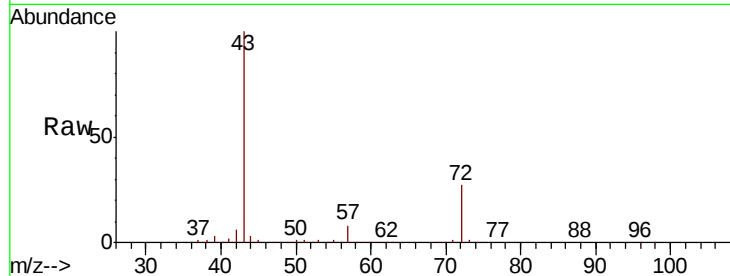
72 27.1 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

10/9/2019 10:36:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

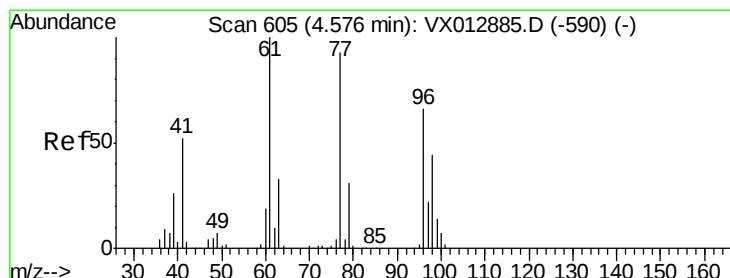
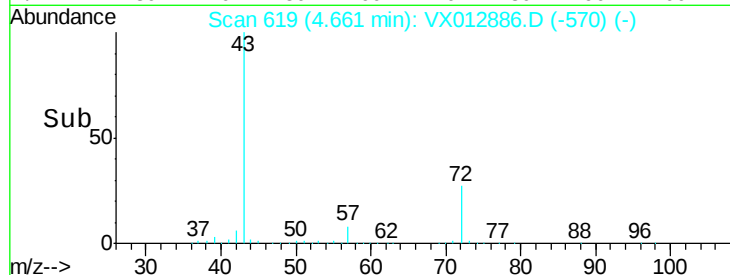
200000

100000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 88.373 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012886.D

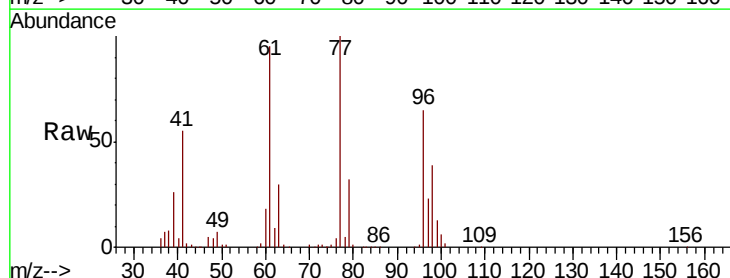
Acq: 08 Oct 2019 12:37

Tgt Ion: 77 Resp: 320439

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

120000

100000

80000

60000

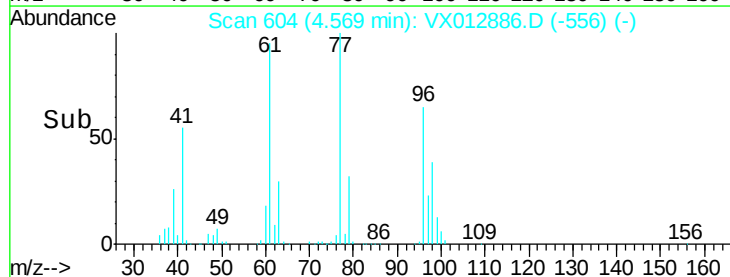
40000

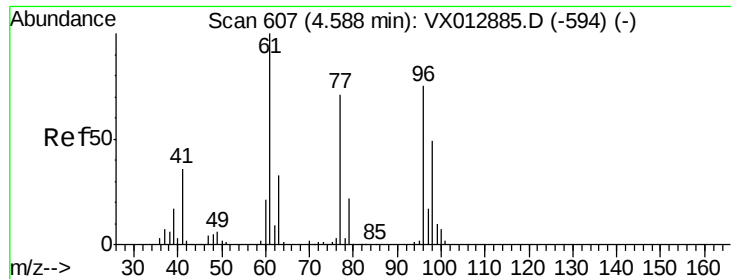
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

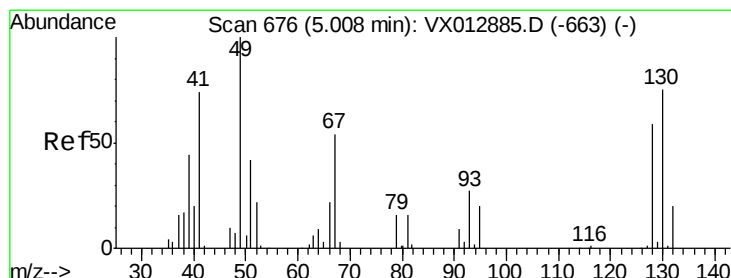
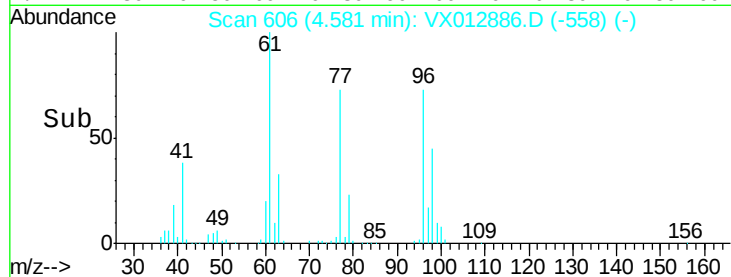
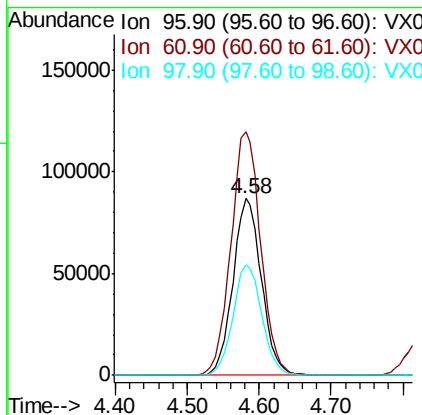
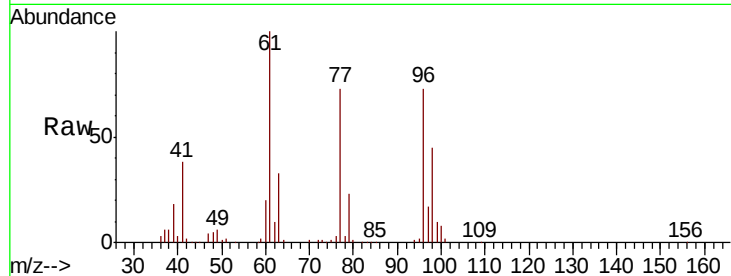
cis-1,2-Dichloroethene
Concen: 93.506 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	290.6
98	63.6	0.0	128.8

Manual Integrations
APPROVED

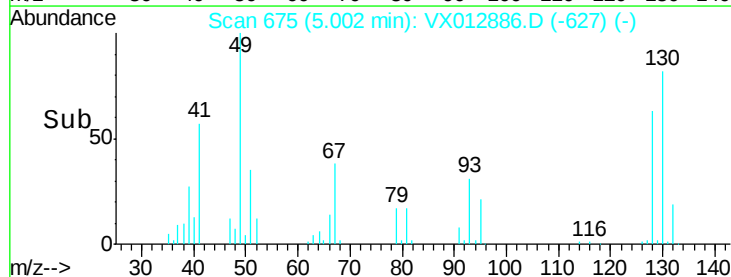
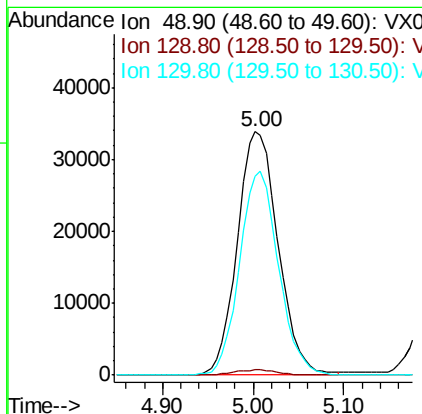
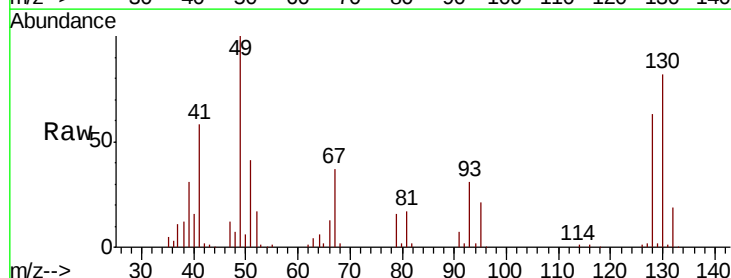
MMDadoda
10/9/2019 10:36:50 AM

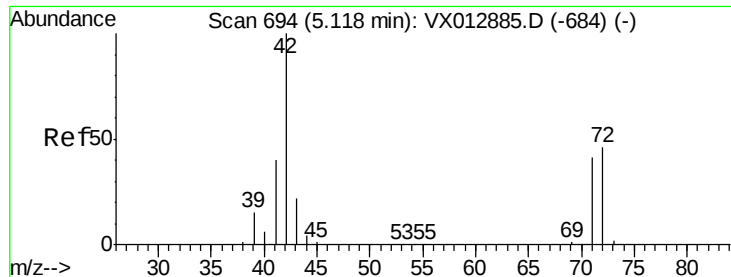


#28

Bromochloromethane
Concen: 72.777 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	79.7	62.1	93.1





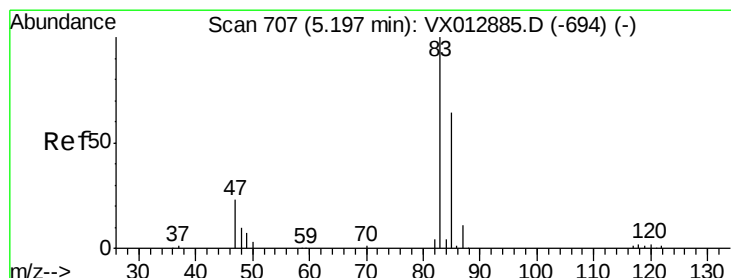
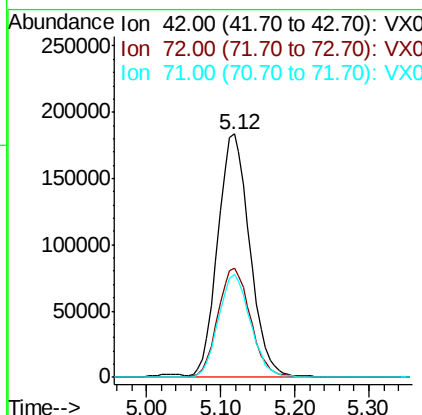
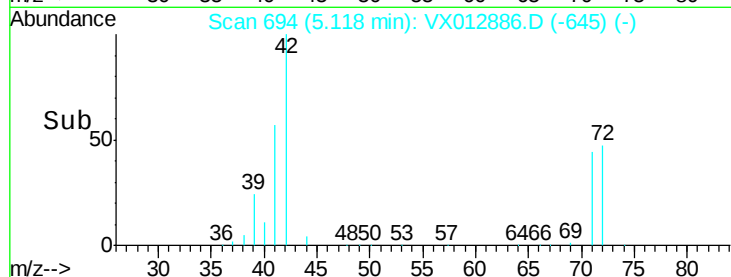
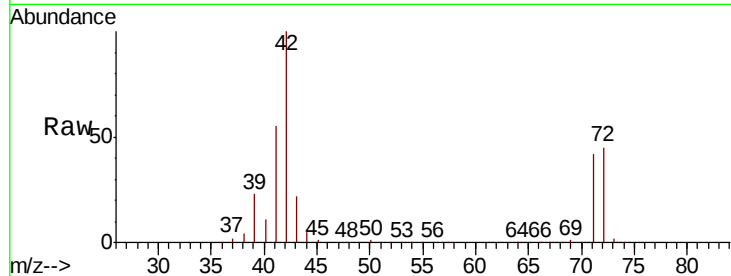
#29
Tetrahydrofuran
Concen: 448.489 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.9	55.3
71	42.2	33.5	50.3

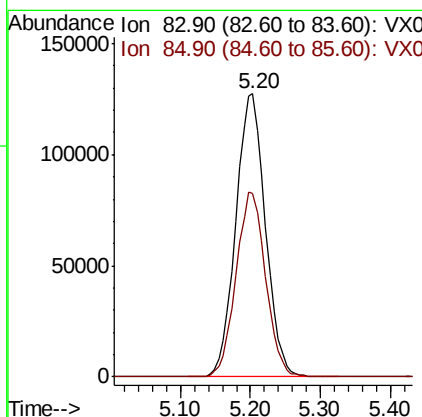
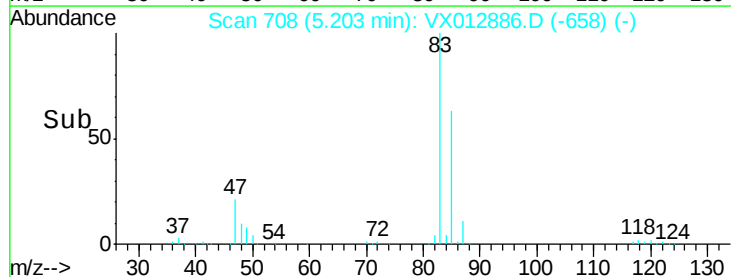
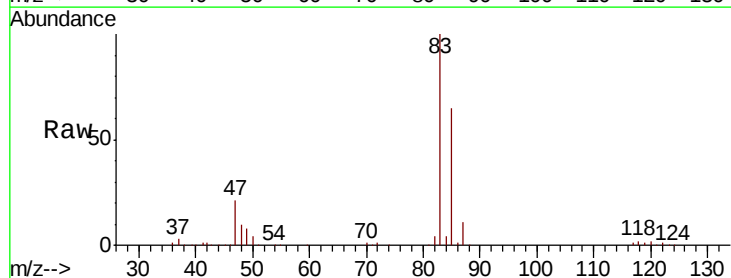
Manual Integrations
APPROVED

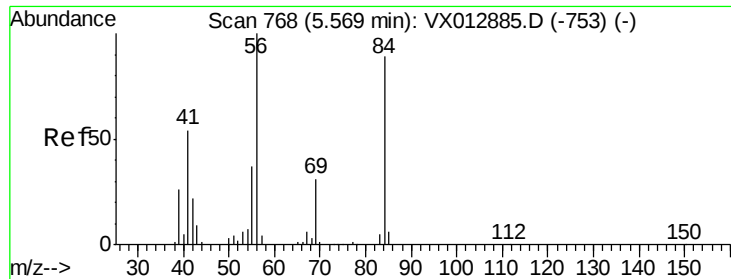
MMDadoda
10/9/2019 10:36:50 AM



#30
Chloroform
Concen: 89.160 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





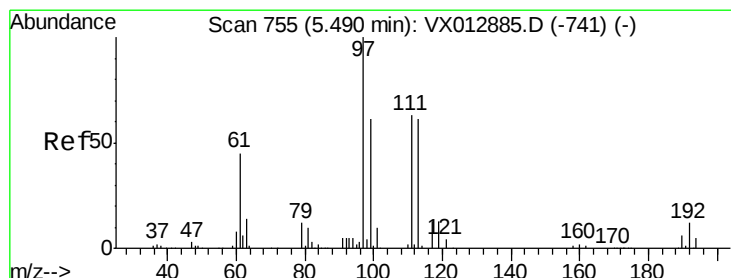
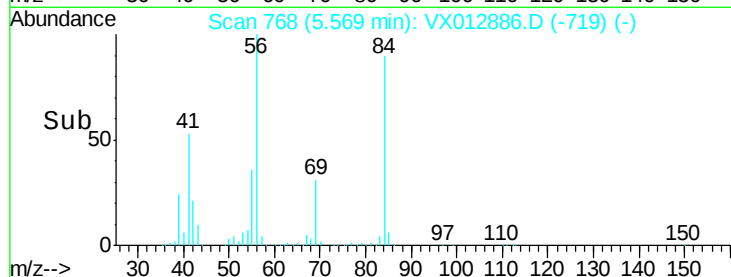
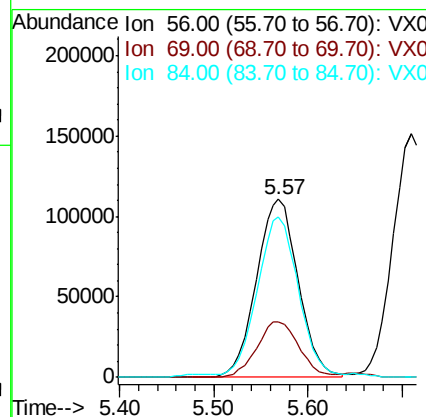
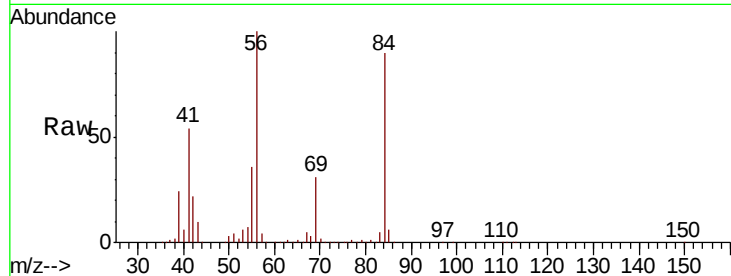
#31
Cyclohexane
Concen: 92.067 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.2	37.8
84	88.8	71.3	106.9

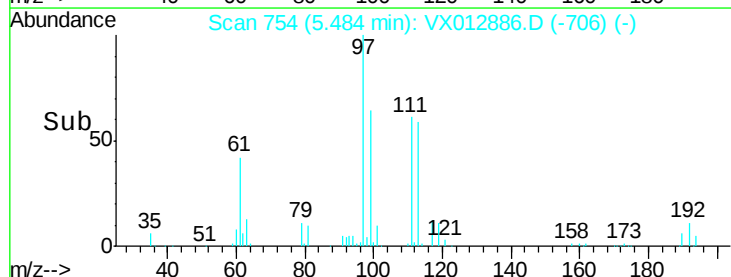
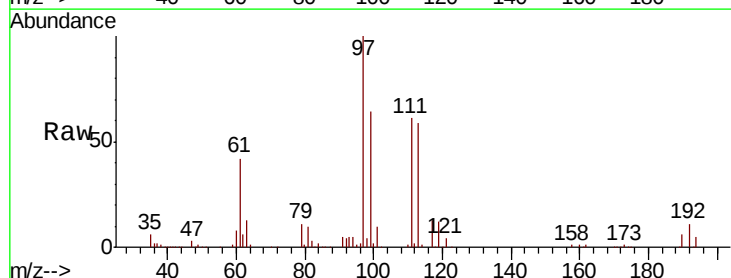
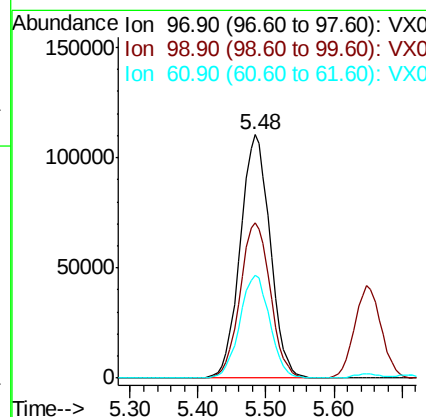
Manual Integrations
APPROVED

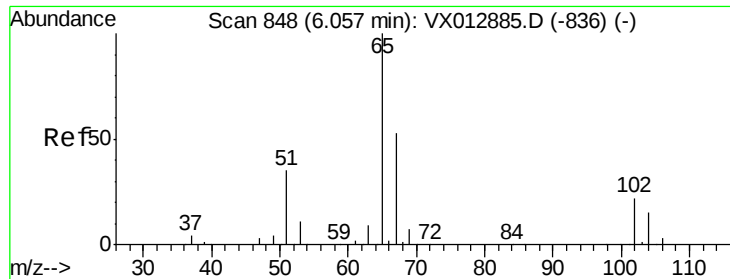
MMDadoda
10/9/2019 10:36:50 AM



#32
1,1,1-Trichloroethane
Concen: 90.862 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.3	78.5
61	42.6	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 89.711 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 237800

Ion Ratio Lower Upper

65 100

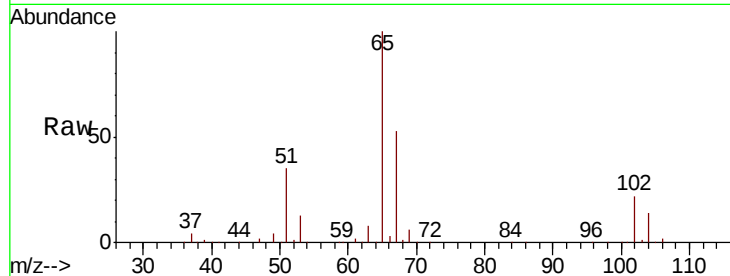
67 52.4 0.0 104.4

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

80000

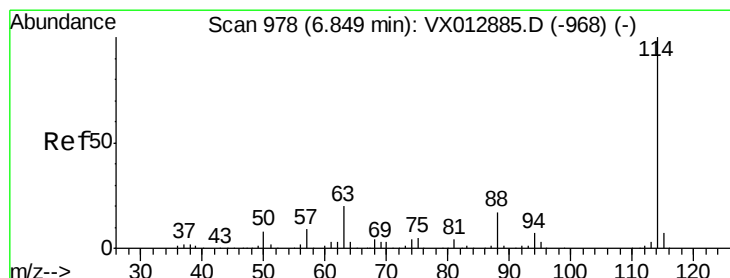
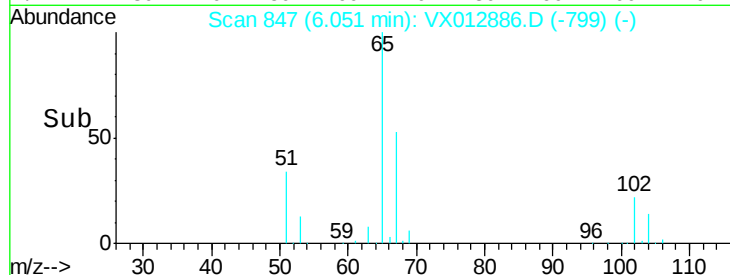
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

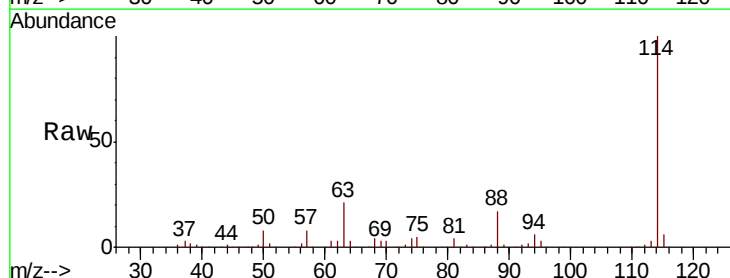
Tgt Ion: 114 Resp: 310422

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 17.0 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

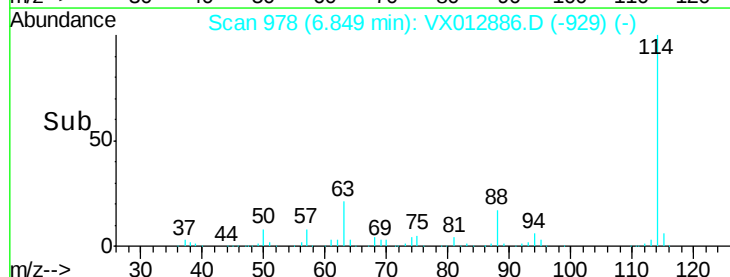
150000

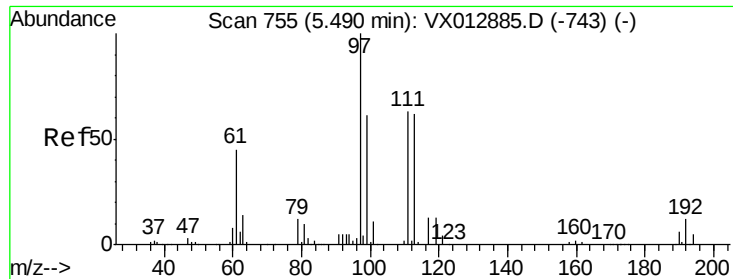
100000

50000

0

Time-->





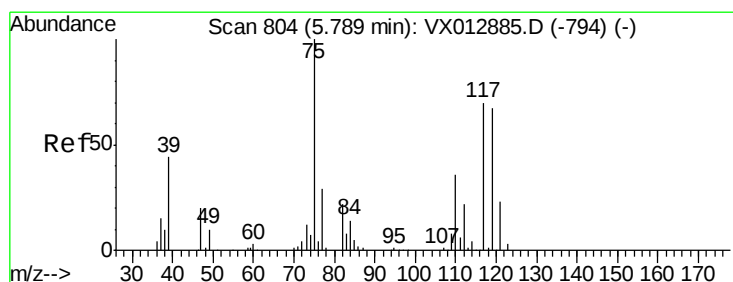
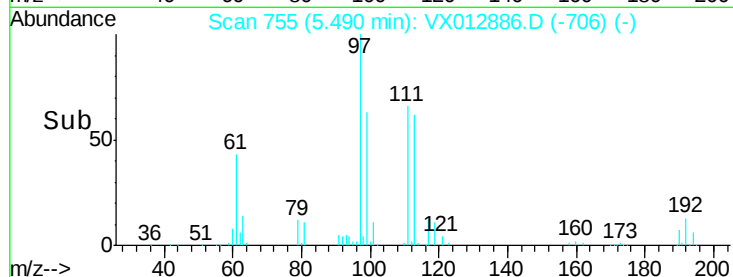
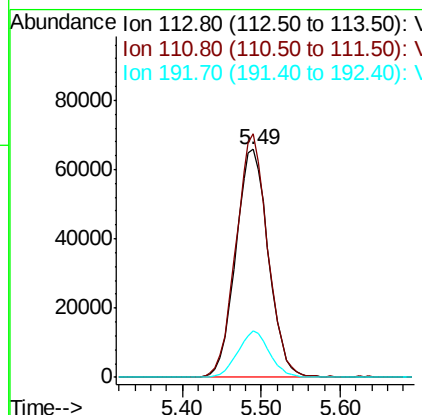
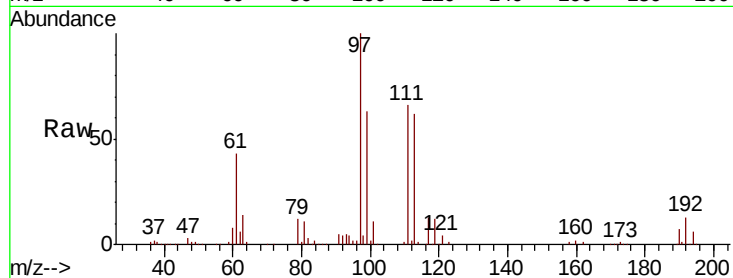
#35
Dibromofluoromethane
Concen: 101.808 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189328		
111	103.7	83.2	124.8	
192	19.6	15.4	23.2	

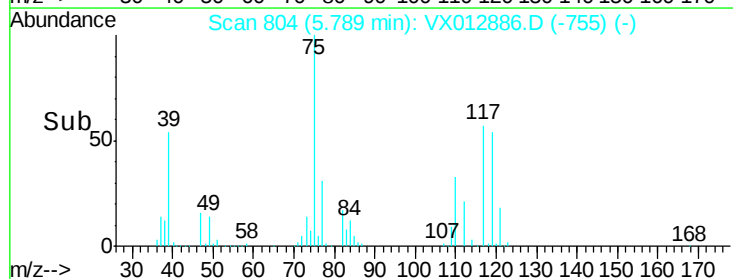
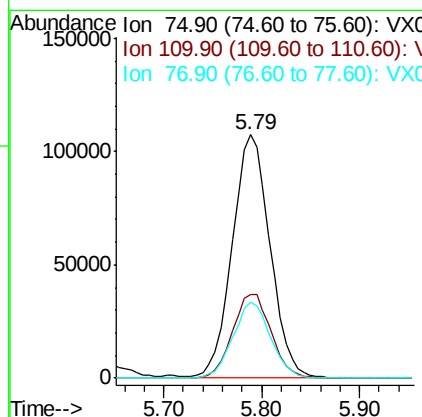
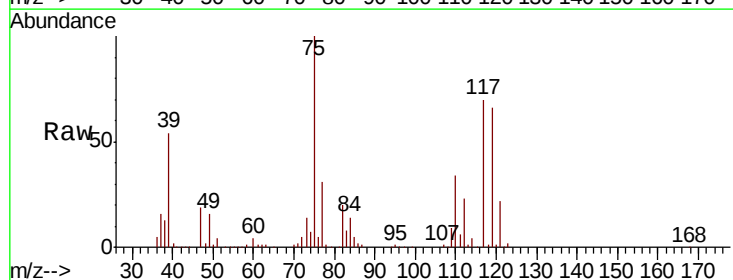
Manual Integrations
APPROVED

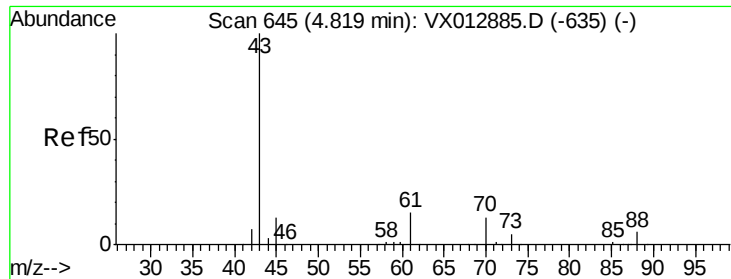
MMDadoda
10/9/2019 10:36:50 AM



#36
1,1-Dichloropropene
Concen: 95.254 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	286503		
110	35.5	17.6	52.9	
77	31.3	24.4	36.6	





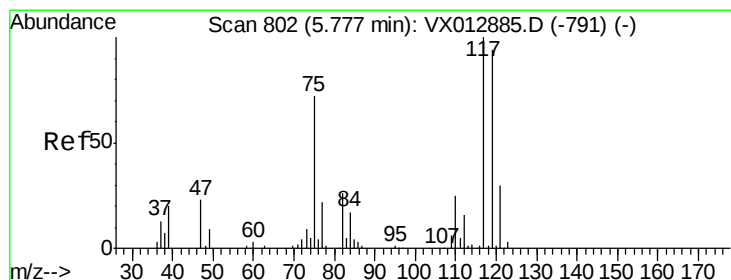
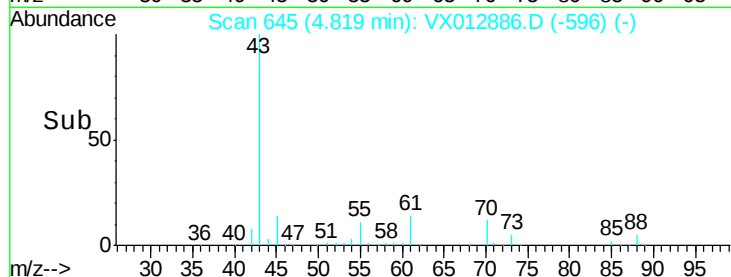
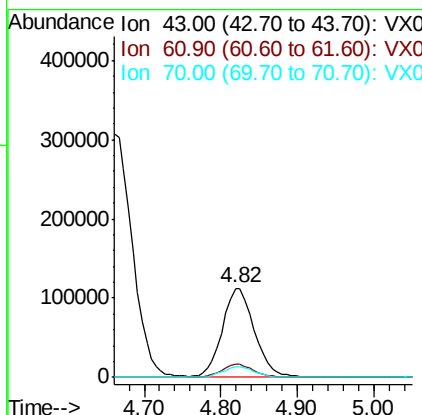
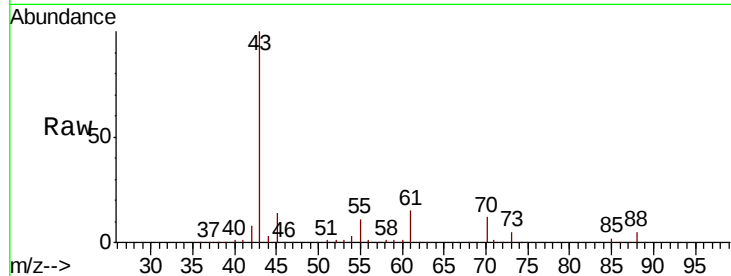
#37
Ethyl Acetate
Concen: 93.537 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	12.2	9.8	14.6

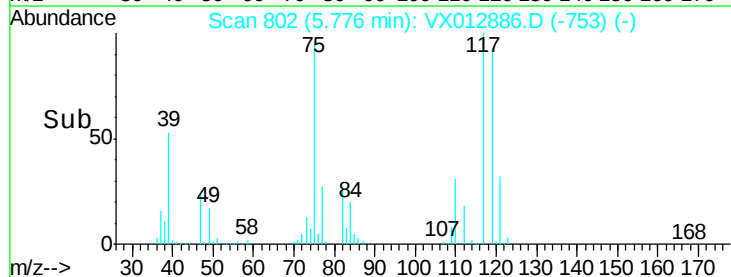
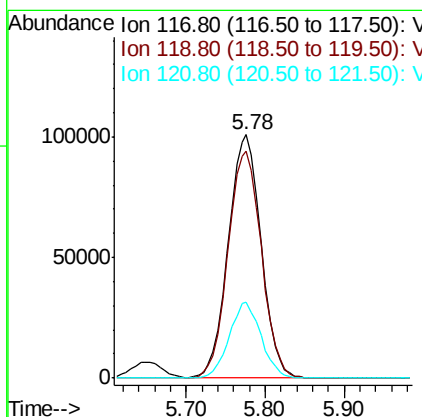
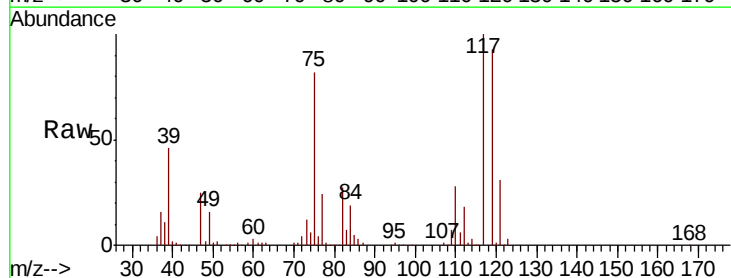
Manual Integrations
APPROVED

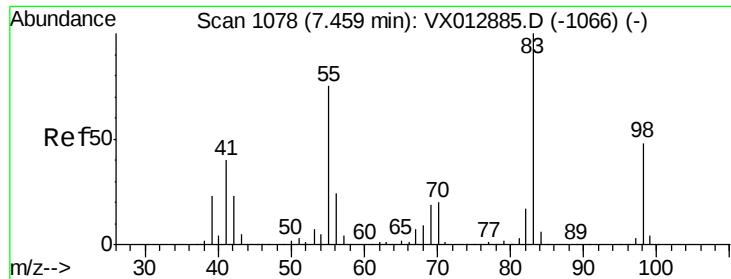
MMDadoda
10/9/2019 10:36:50 AM



#38
Carbon Tetrachloride
Concen: 96.363 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.5	111.7
121	31.3	24.2	36.4





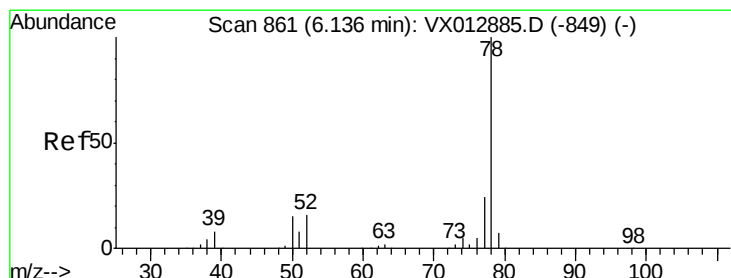
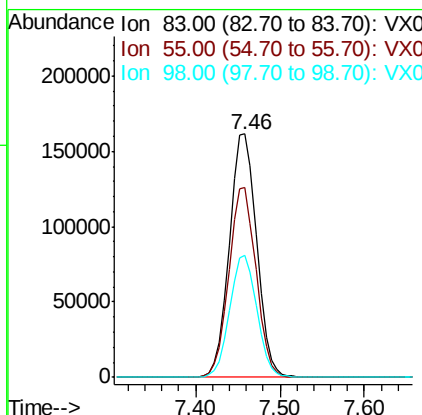
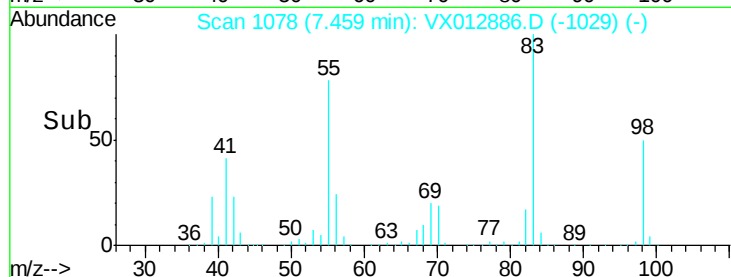
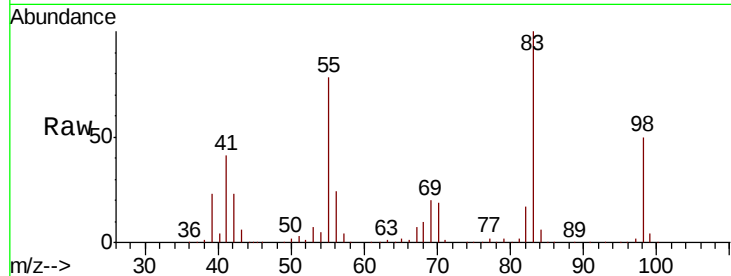
#39
Methvlcvclohexane
Concen: 97.467 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	83	Resp	354317
Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.2	90.4
98	50.0	38.5	57.7

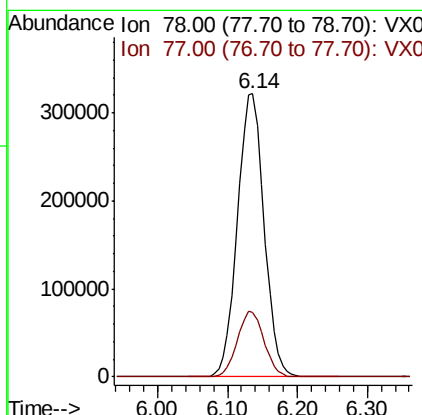
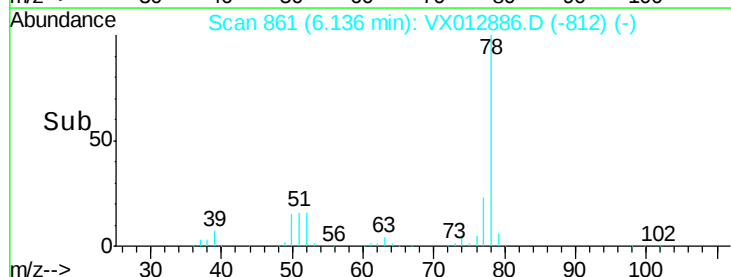
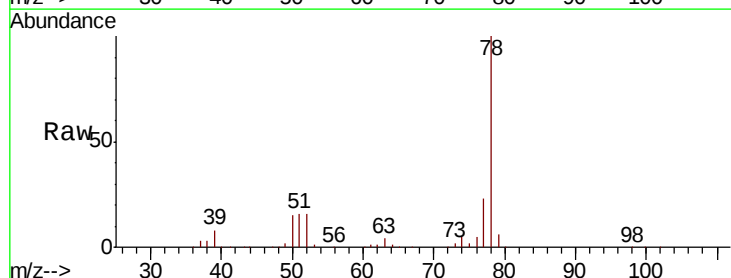
Manual Integrations
APPROVED

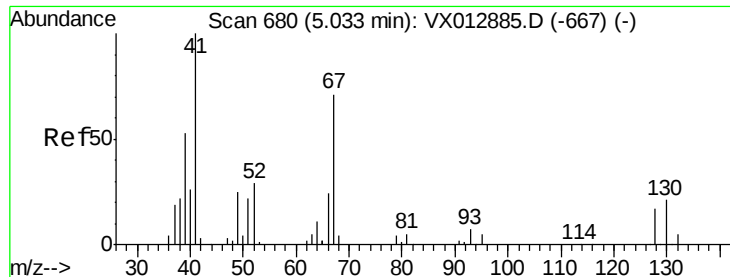
MMDadoda
10/9/2019 10:36:50 AM



#40
Benzene
Concen: 96.541 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	78	Resp	852087
Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4





#41

Methacrylonitrile

Concen: 93.440 ug/l

RT: 5.03 min Scan# 680

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

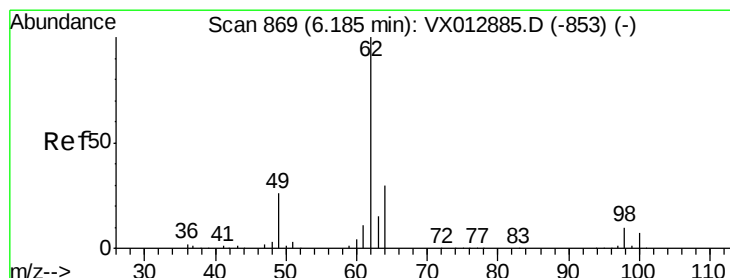
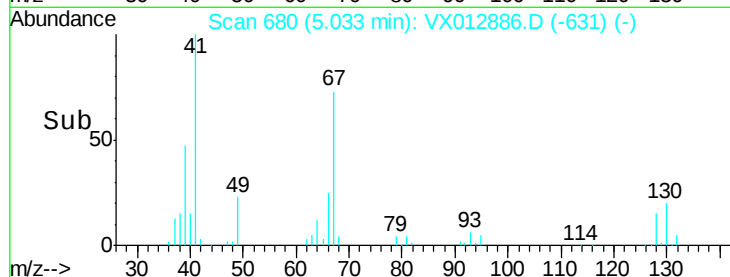
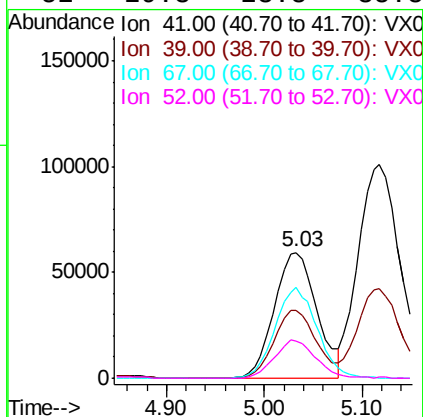
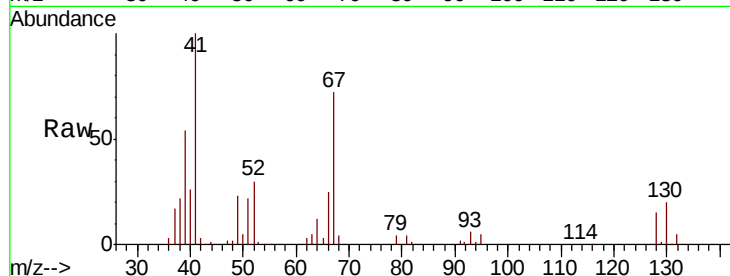
ClientSampleId :

VSTDICC100

Tot Ion:	41	Resp:	181334
Ion	Ratio	Lower	Upper
41	100		
39	53.7	44.0	66.0
67	71.1	58.5	87.7
52	29.3	23.8	35.8

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:36:50 AM



#42

1,2-Dichloroethane

Concen: 91.616 ug/l

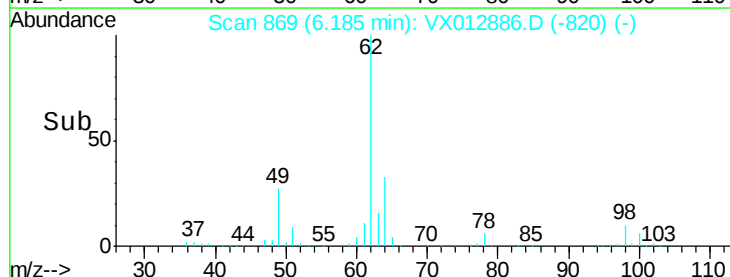
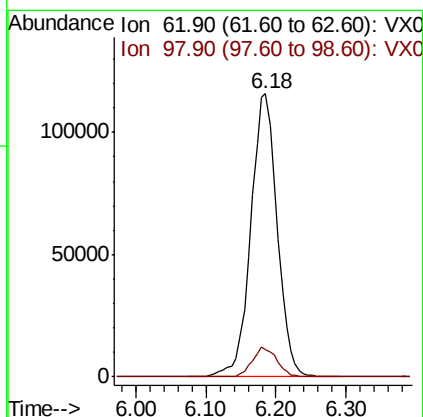
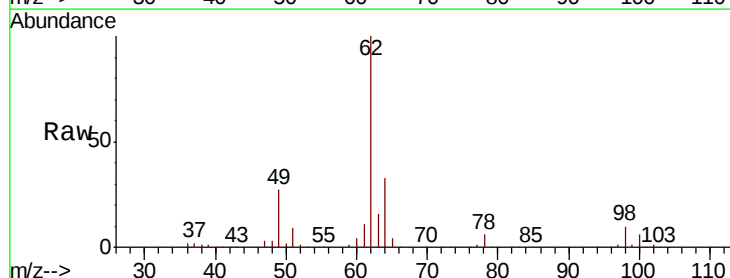
RT: 6.18 min Scan# 869

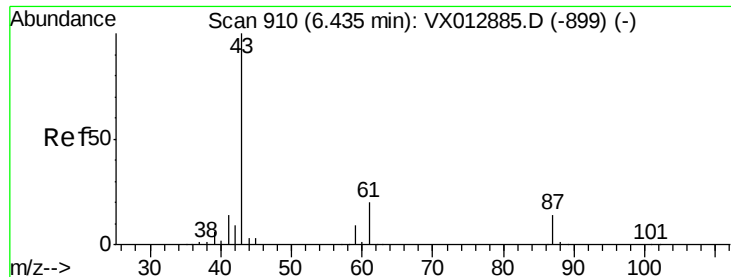
Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	62	Resp:	304377
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

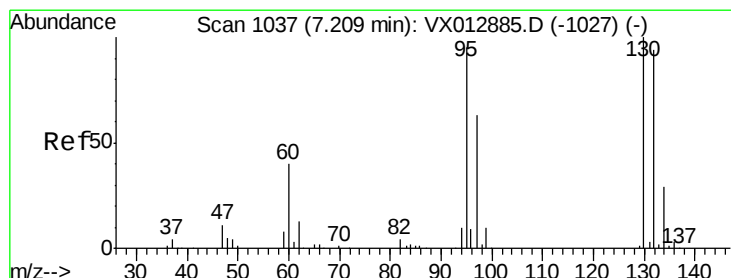
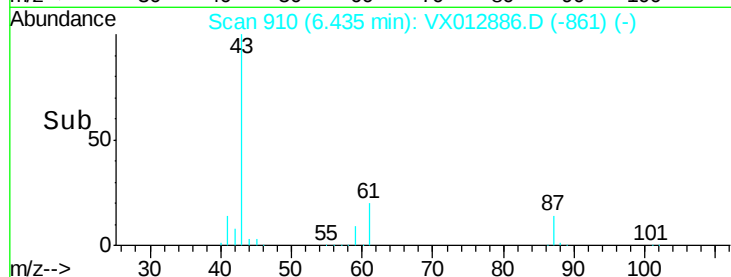
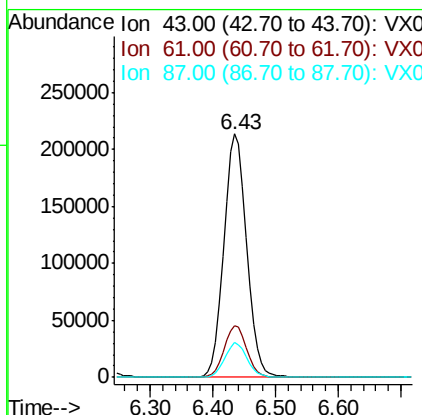
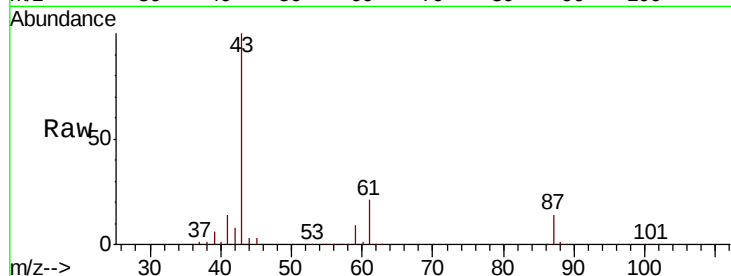
Isopropyl Acetate
 Concen: 92.321 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	13.9	11.0	16.6

Manual Integrations
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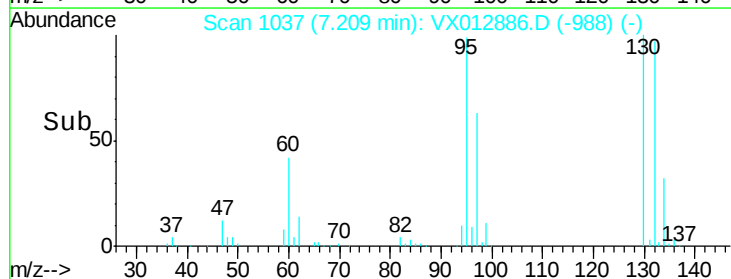
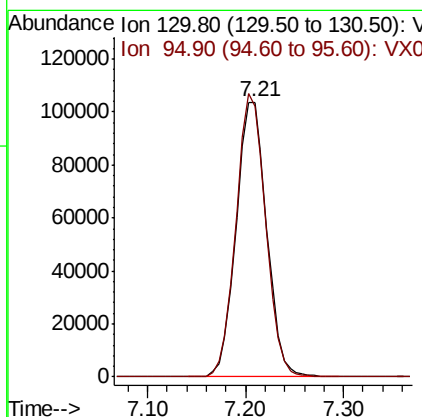
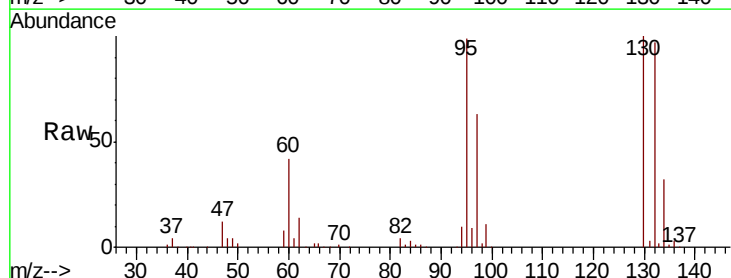
MMDadoda
 10/9/2019 10:36:50 AM

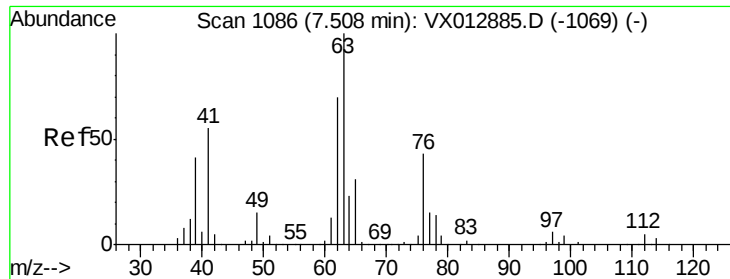


#44

Trichloroethene
 Concen: 99.003 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	189.2





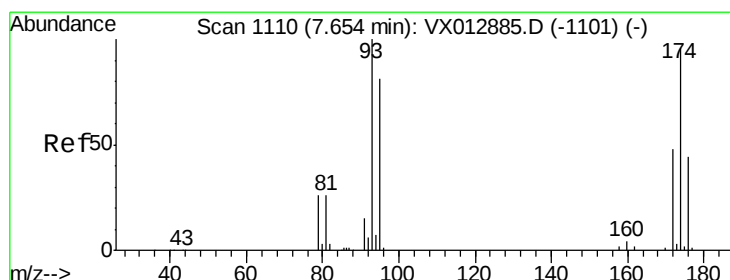
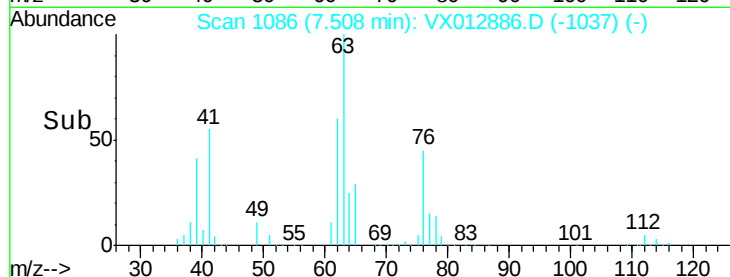
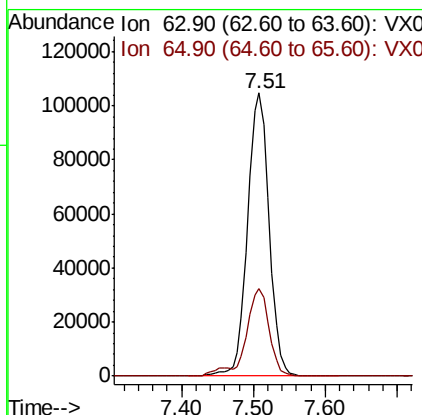
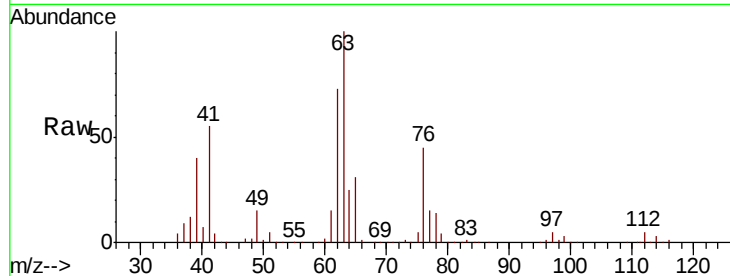
#45
 1,2-Dichloropropane
 Concen: 96.310 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	37.0

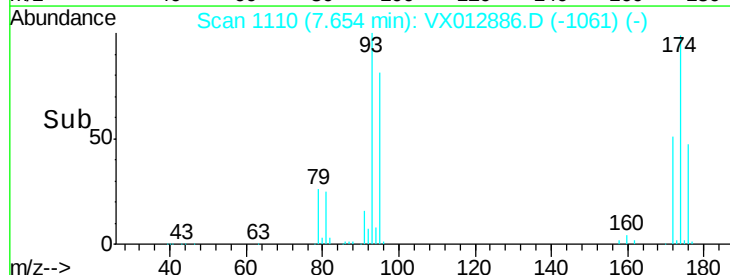
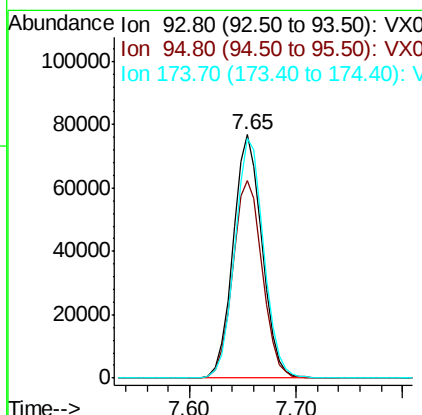
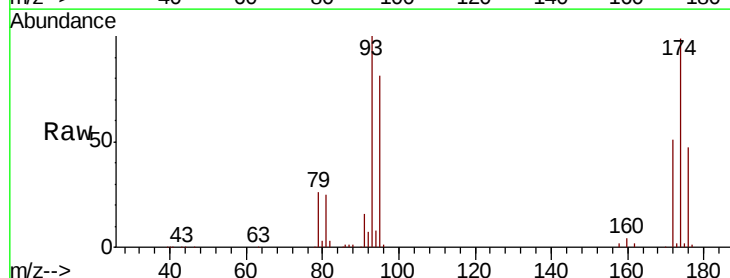
Manual Integrations
 APPROVED

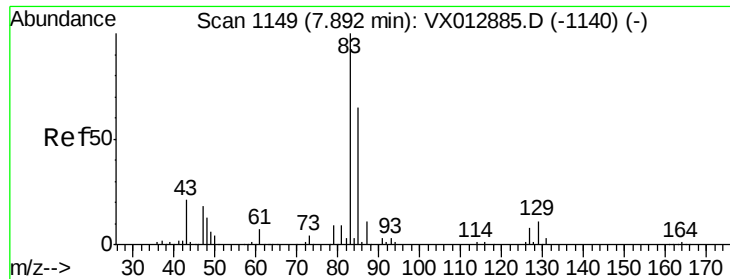
MMDadoda
 10/9/2019 10:36:50 AM



#46
 Dibromomethane
 Concen: 95.148 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.3	99.5
174	98.8	77.8	116.6





#47

Bromodichloromethane

Concen: 97.001 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

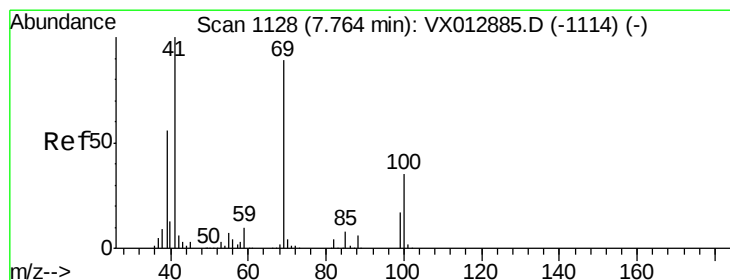
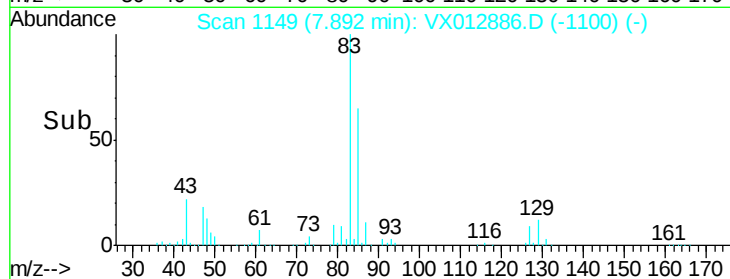
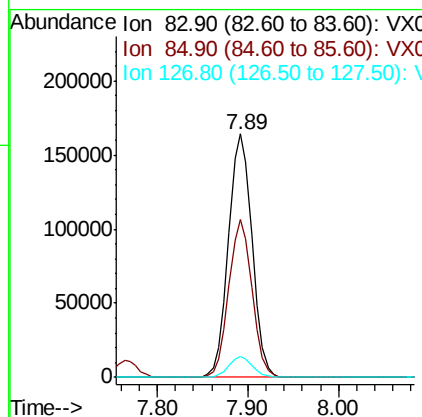
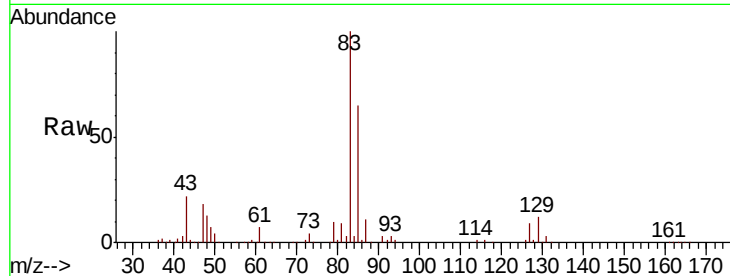
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	296330
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.4	78.6
127	8.8	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:36:50 AM



#48

Methyl methacrylate

Concen: 94.059 ug/l

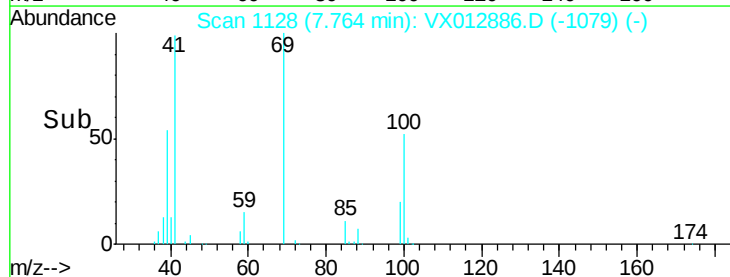
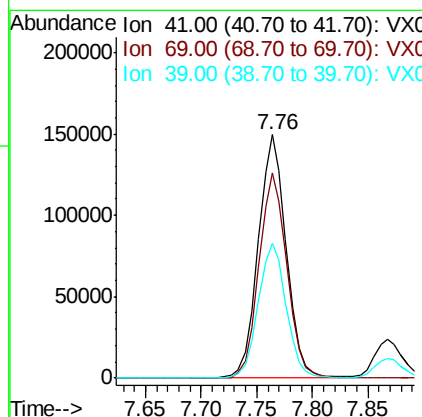
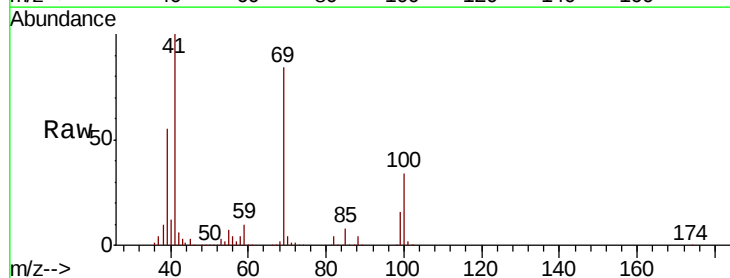
RT: 7.76 min Scan# 1128

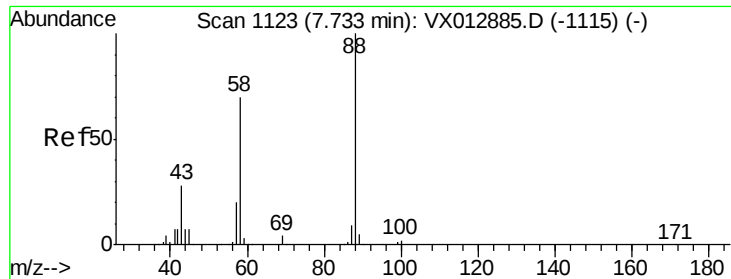
Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	41	Resp:	261060
Ion Ratio	Lower	Upper	
41	100		
69	84.6	68.7	103.1
39	56.0	44.3	66.5





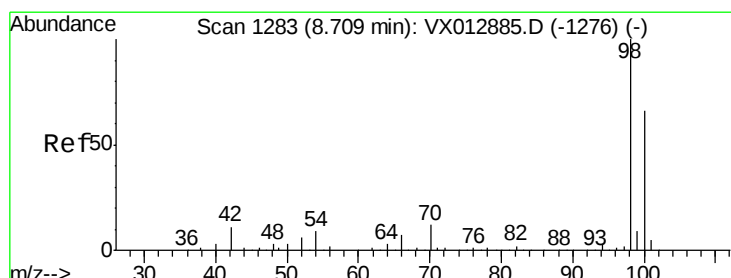
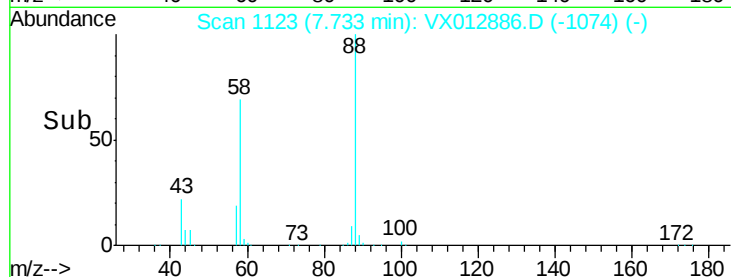
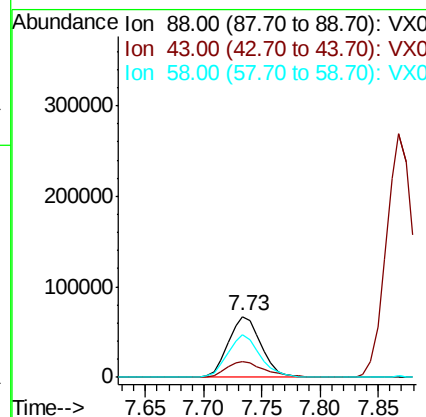
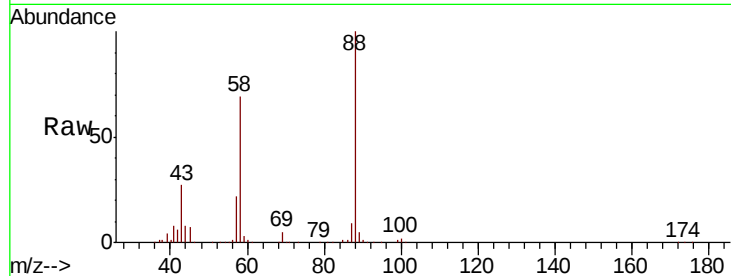
#49
1,4-Dioxane
Concen: 2040.716 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.0	37.6
58	70.0	55.4	83.2

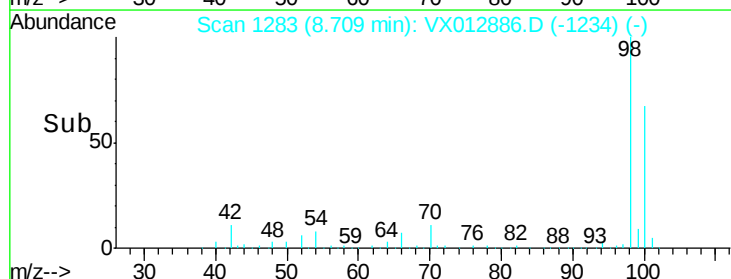
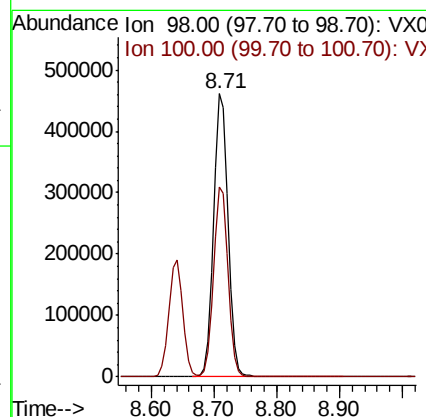
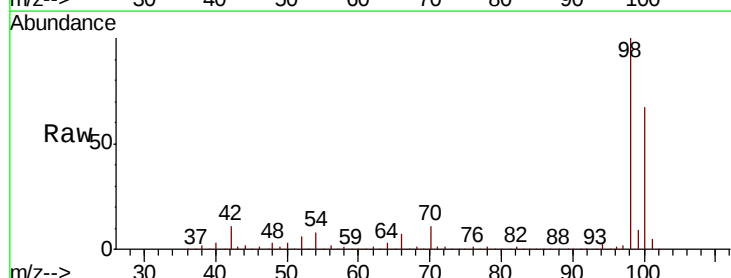
Manual Integrations
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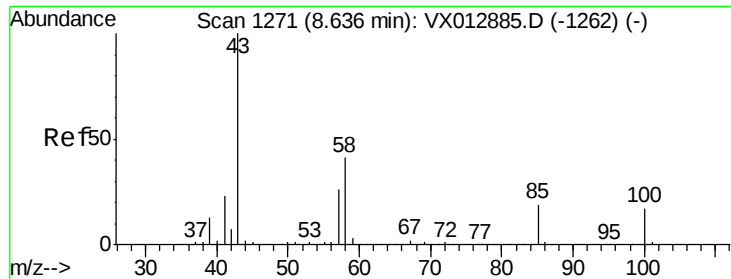
MMDadoda
10/9/2019 10:36:50 AM



#50
Toluene-d8
Concen: 102.396 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 467.917 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1673869

Ion Ratio Lower Upper

43 100

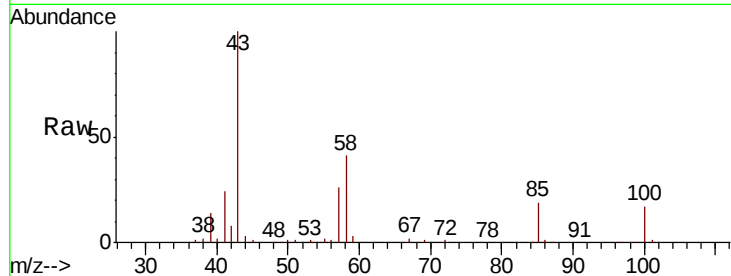
58 40.9 32.4 48.6

Manual Integrations

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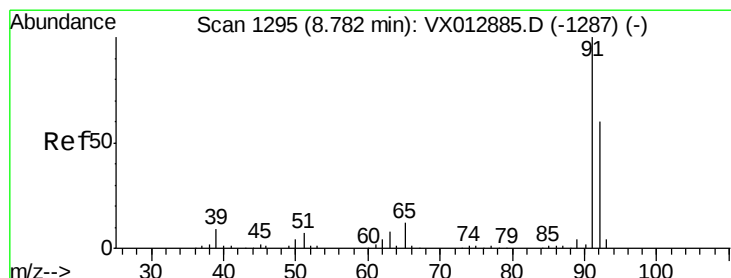
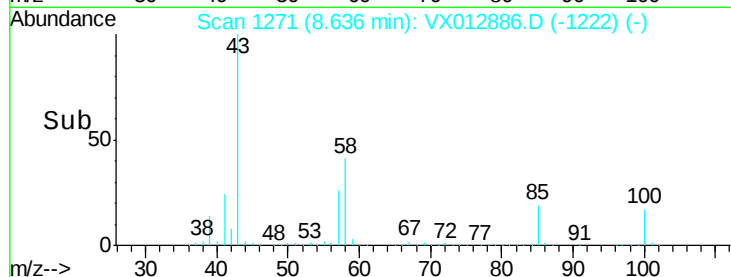
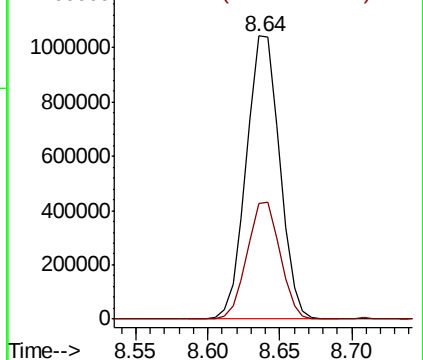
MMDadoda

10/9/2019 10:36:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 98.542 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012886.D

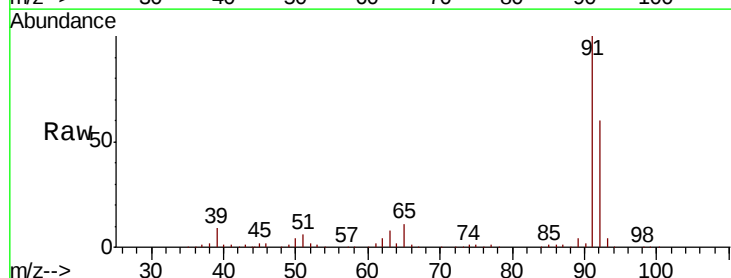
Acq: 08 Oct 2019 12:37

Tgt Ion: 92 Resp: 546368

Ion Ratio Lower Upper

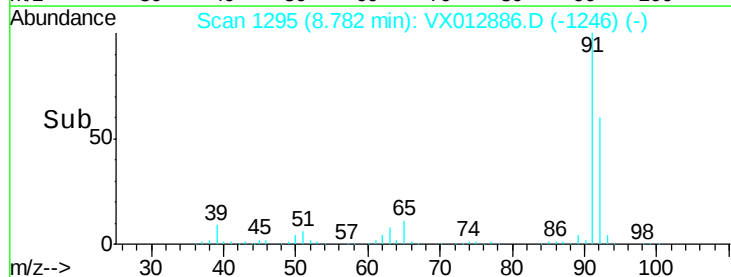
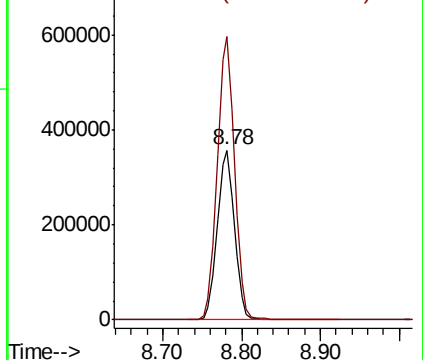
92 100

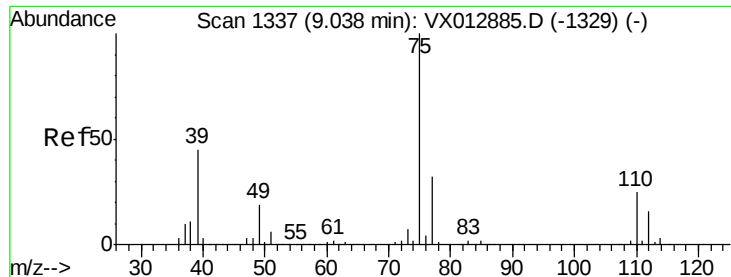
91 167.0 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





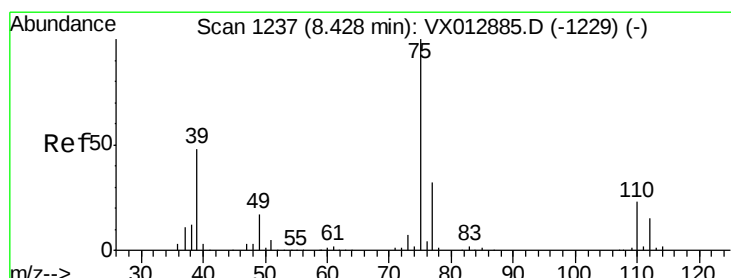
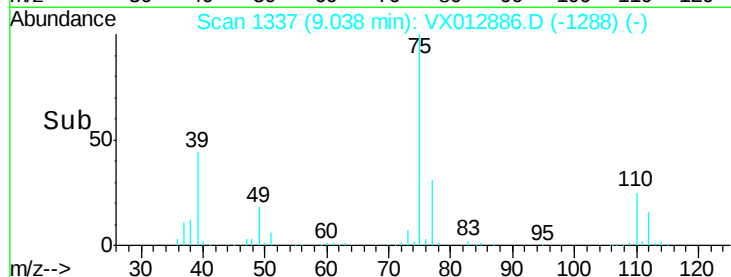
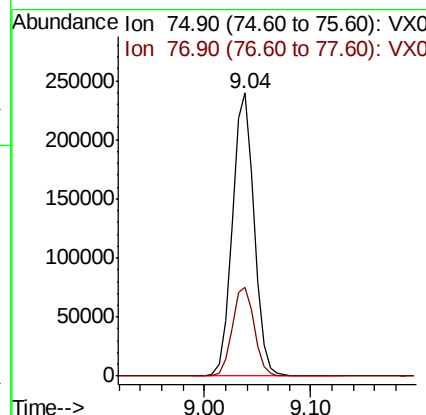
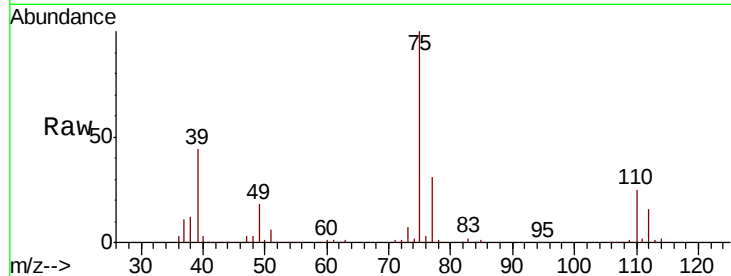
#53
 t-1,3-Dichloropropene
 Concen: 101.229 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6

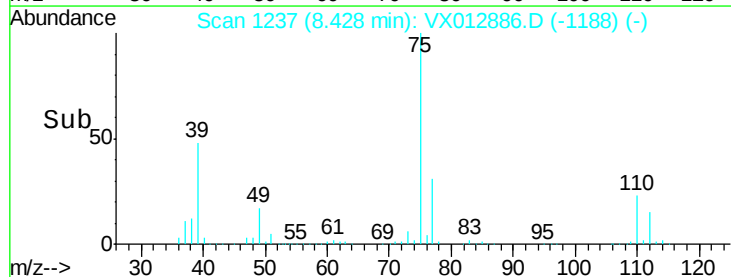
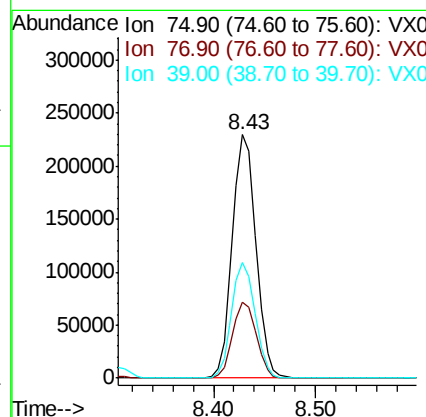
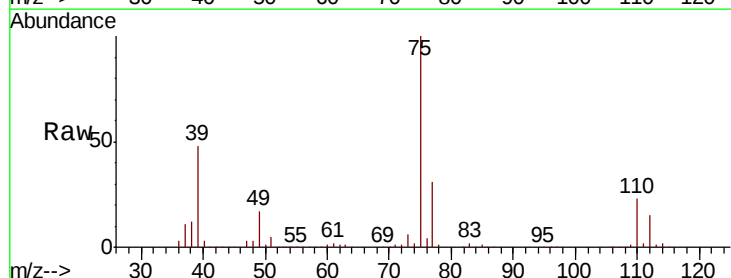
Manual Integrations
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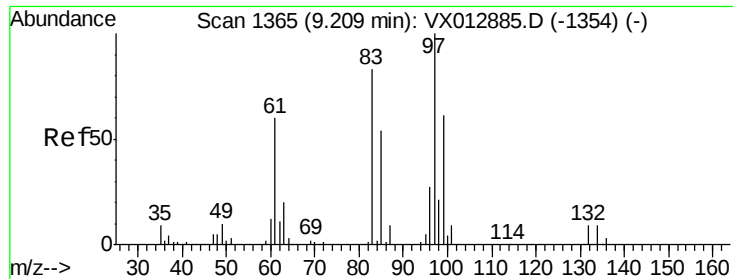
MMDadoda
 10/9/2019 10:36:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 99.255 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8
39	47.6	38.2	57.2





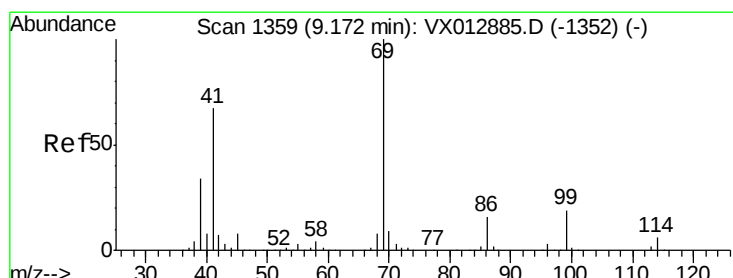
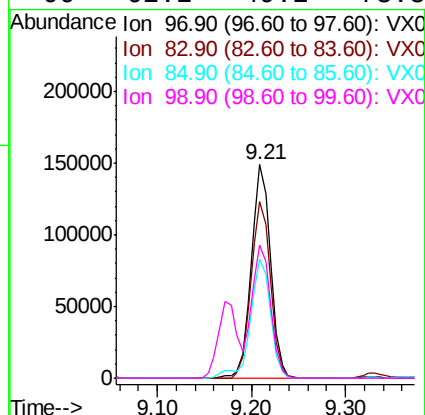
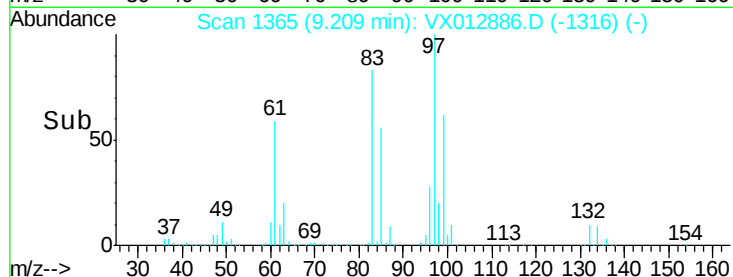
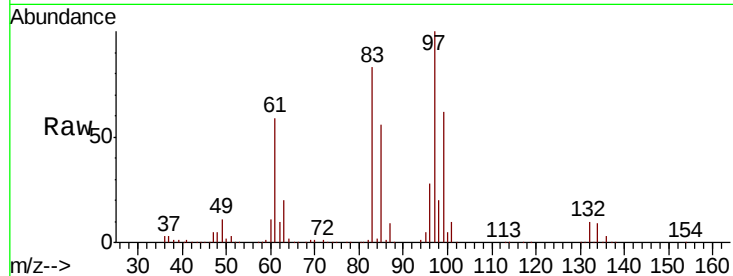
#55
1,1,2-Trichloroethane
Concen: 97.327 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	97	Resp:	214499
Ion	Ratio	Lower	Upper
97	100		
83	82.9	66.5	99.7
85	55.9	43.1	64.7
99	62.2	49.2	73.8

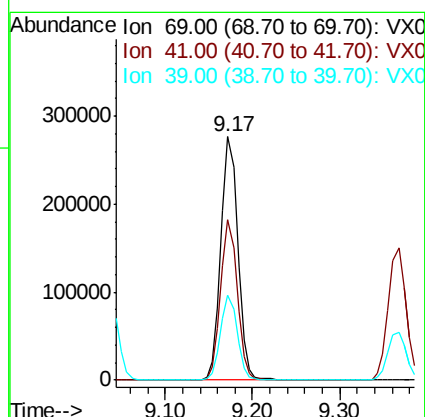
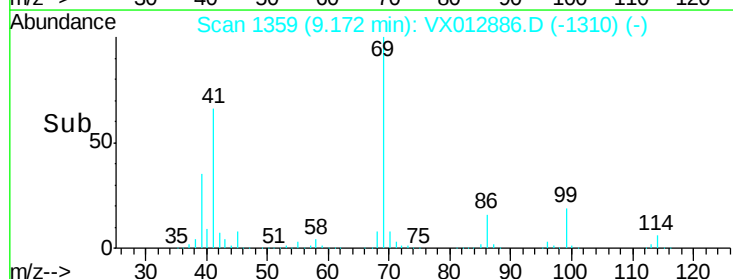
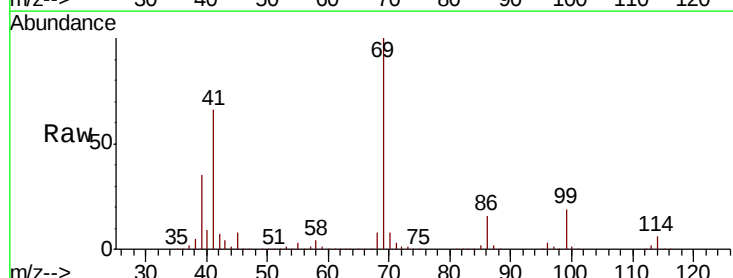
Manual Integrations
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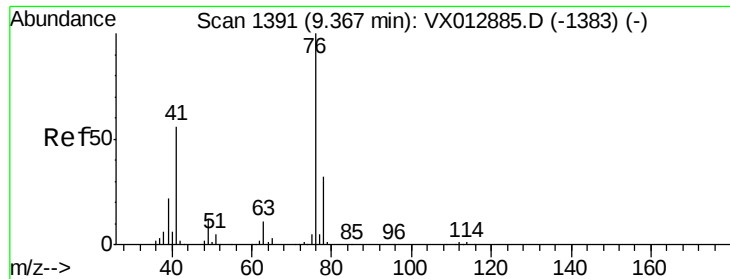
MMDadoda
10/9/2019 10:36:50 AM



#56
Ethyl methacrylate
Concen: 100.925 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion:	69	Resp:	372669
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.1	78.1
39	34.4	27.8	41.8





#57

1,3-Dichloropropane

Concen: 96.669 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 372623

Ion Ratio Lower Upper

76 100

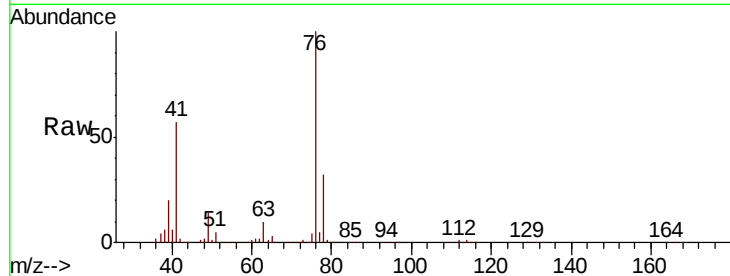
78 32.3 26.1 39.1

Manual Integrations

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MMDadoda

10/9/2019 10:36:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

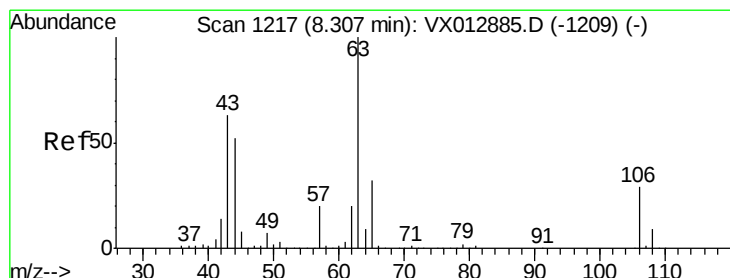
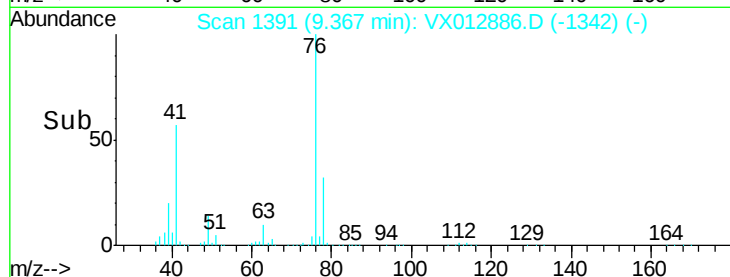
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 493.912 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012886.D

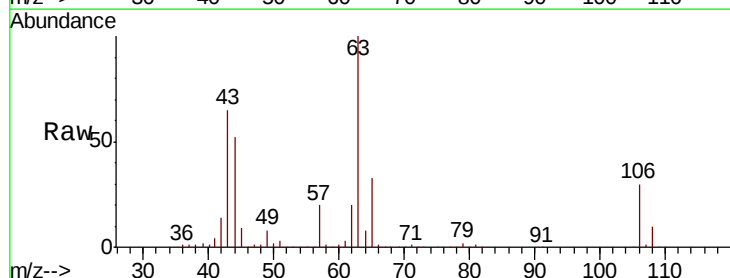
Acq: 08 Oct 2019 12:37

Tgt Ion: 63 Resp: 813392

Ion Ratio Lower Upper

63 100

106 30.0 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

600000

500000

400000

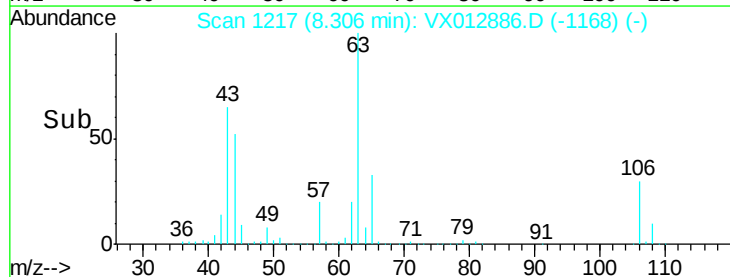
300000

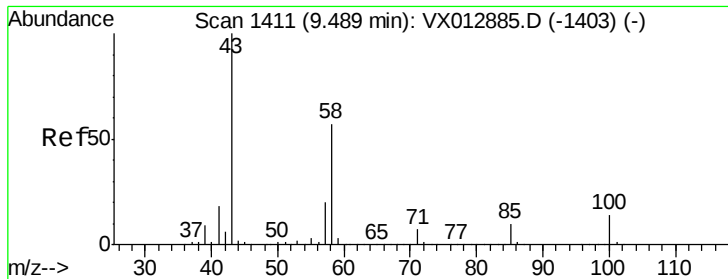
200000

100000

0

Time-->





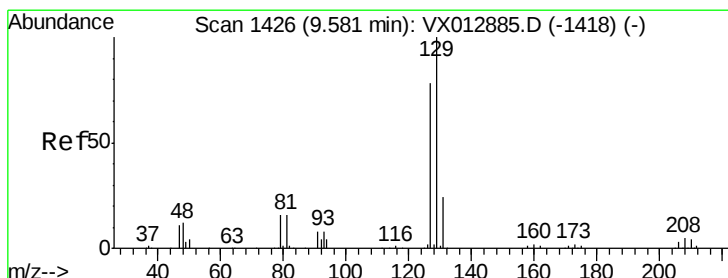
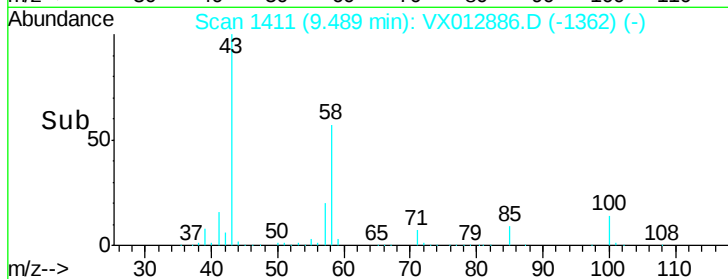
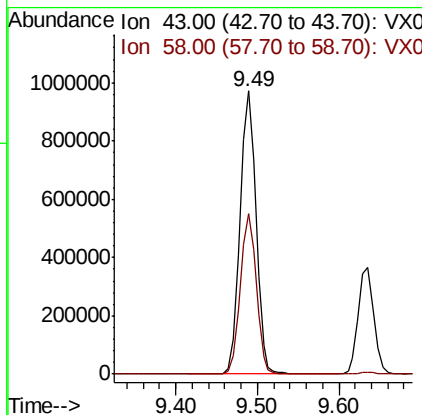
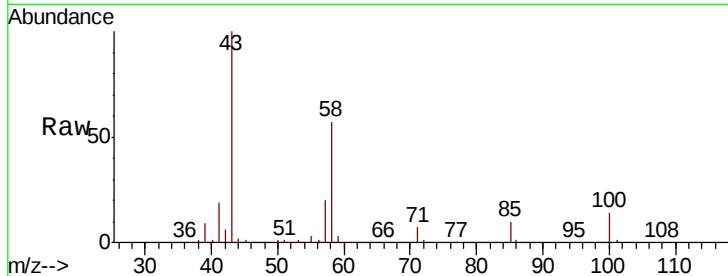
#59
2-Hexanone
Concen: 477.042 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1303549
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3

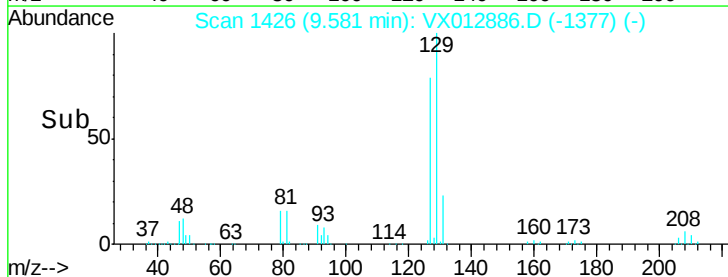
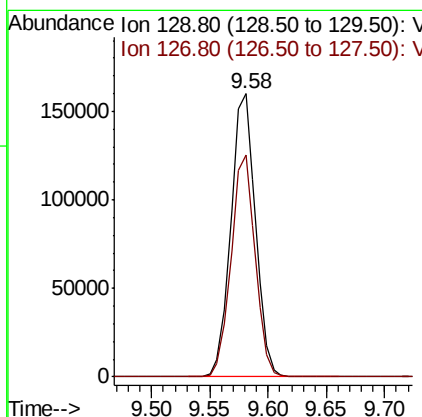
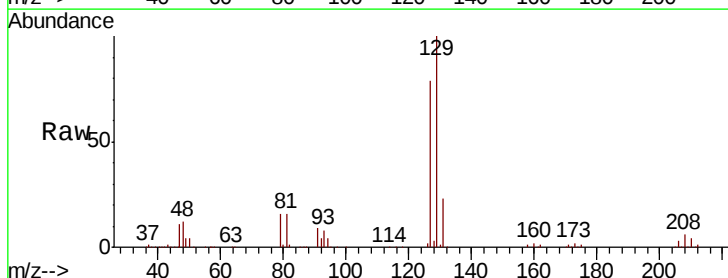
Manual Integrations
APPROVED

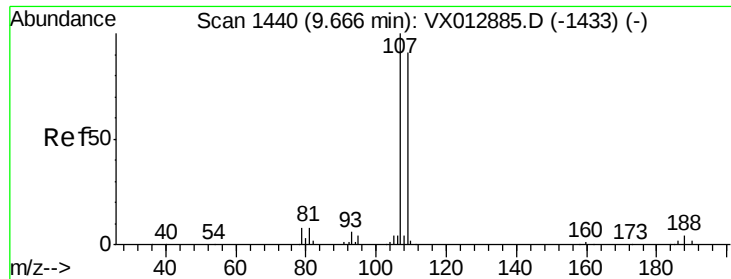
MMDadoda
10/9/2019 10:36:50 AM



#60
Dibromochloromethane
Concen: 105.272 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion: 129 Resp: 235082
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 101.517 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 232868

Ion Ratio Lower Upper

107 100

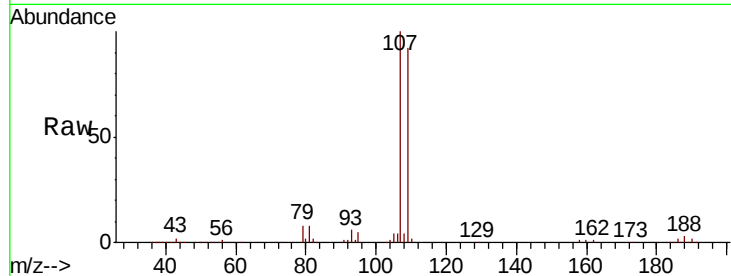
109 93.4 75.8 113.6

Manual Integrations

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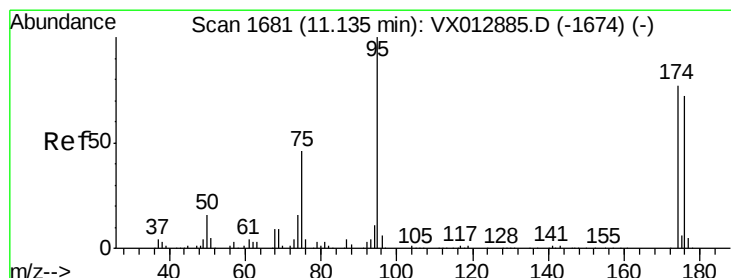
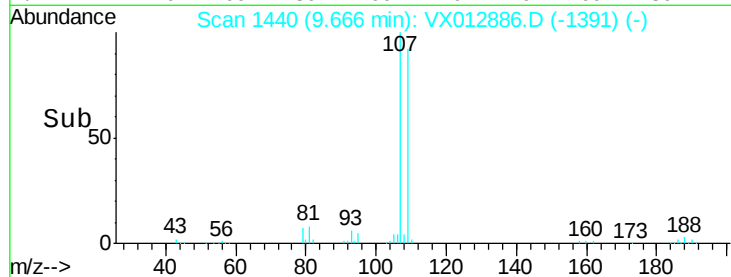
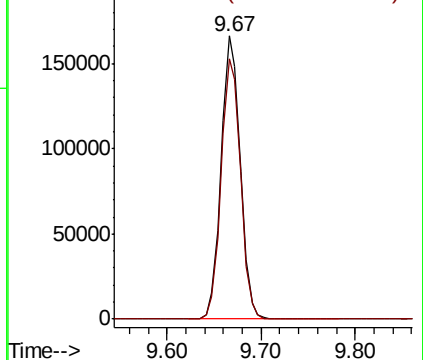
MMDadoda

10/9/2019 10:36:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 104.347 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

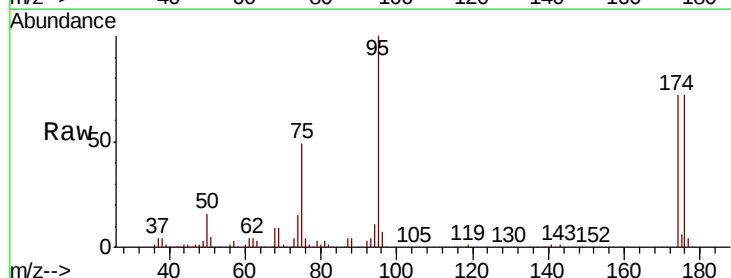
Tgt Ion: 95 Resp: 294537

Ion Ratio Lower Upper

95 100

174 70.3 0.0 143.4

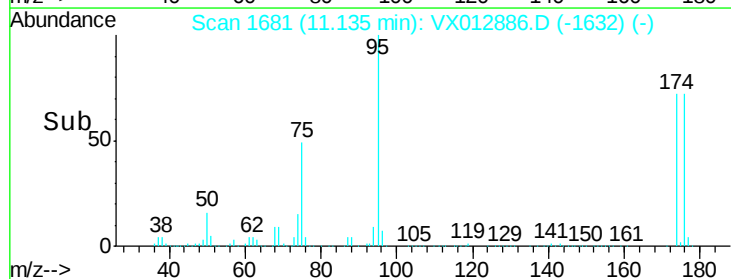
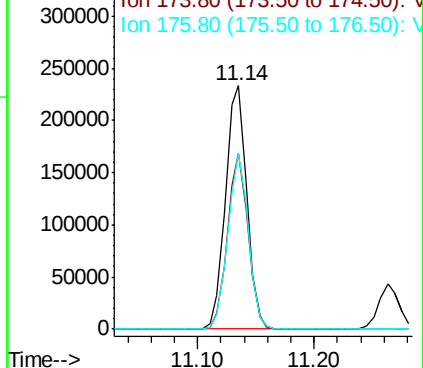
176 69.6 0.0 136.0

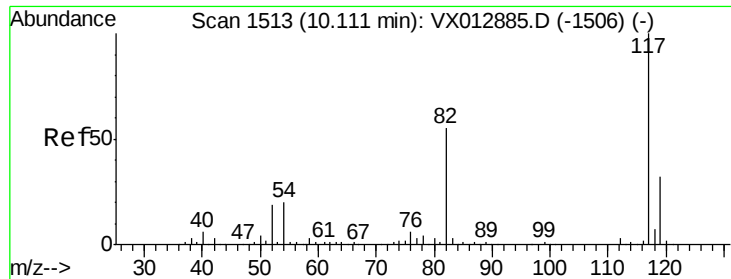


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





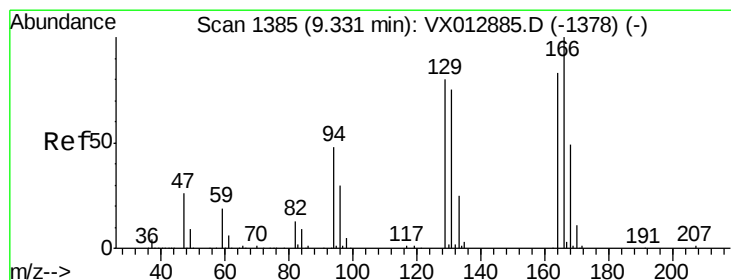
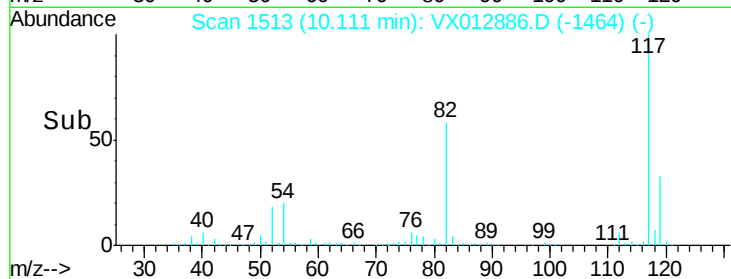
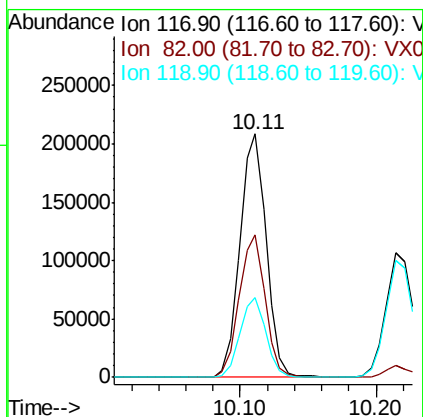
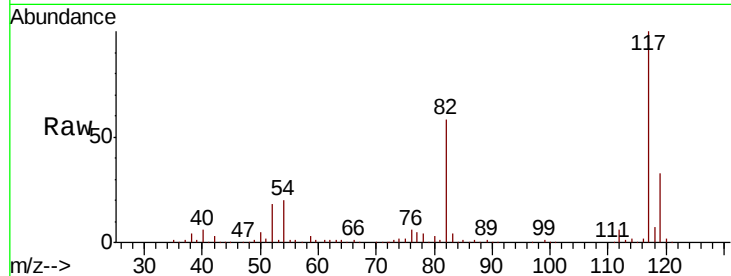
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	44.1	66.1
119	32.6	25.8	38.8

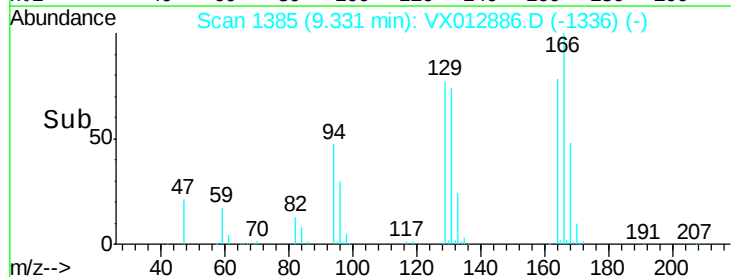
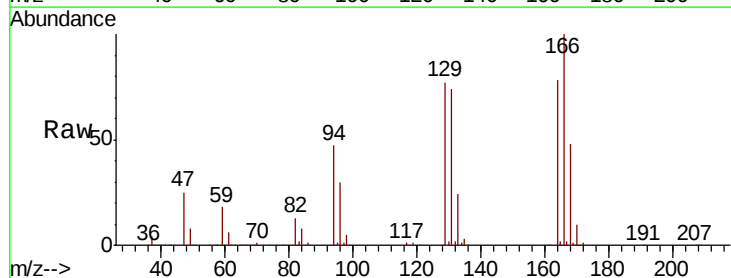
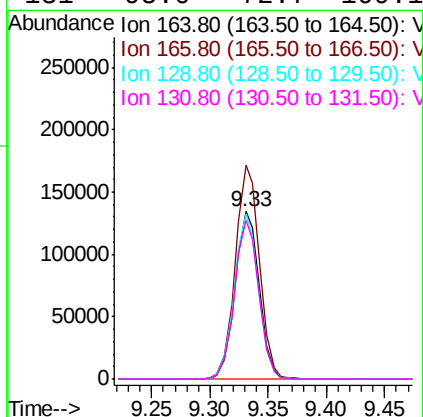
Manual Integrations
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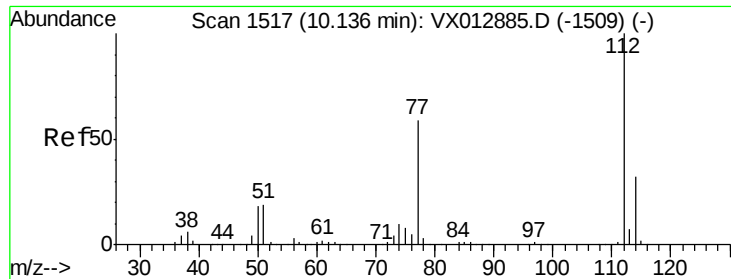
MMDadoda
10/9/2019 10:36:50 AM



#64
Tetrachloroethene
Concen: 97.927 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	96.9	145.3
129	98.5	77.9	116.9
131	95.0	72.7	109.1





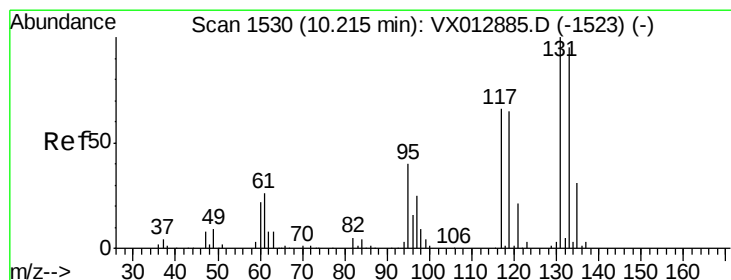
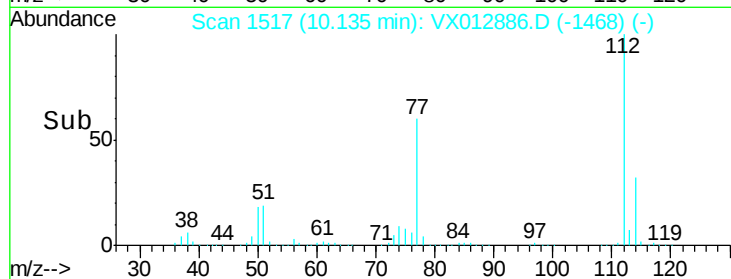
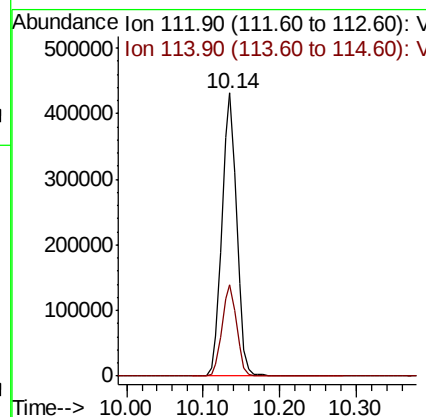
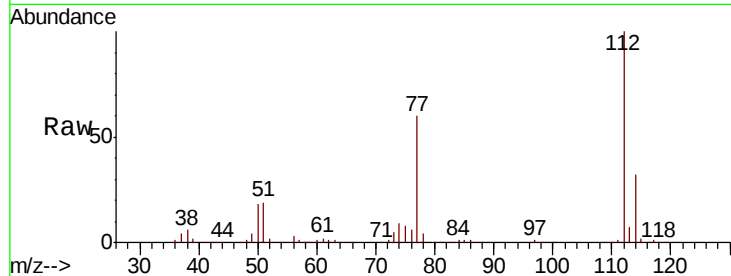
#65
Chlorobenzene
Concen: 97.043 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 576015
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

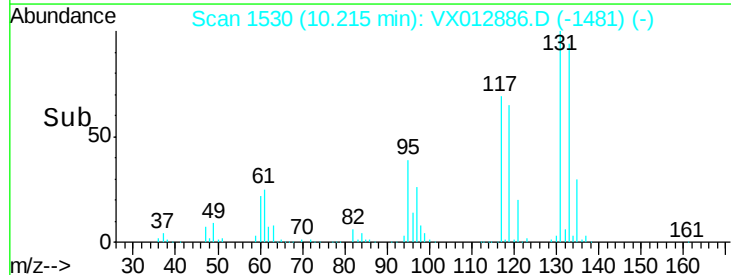
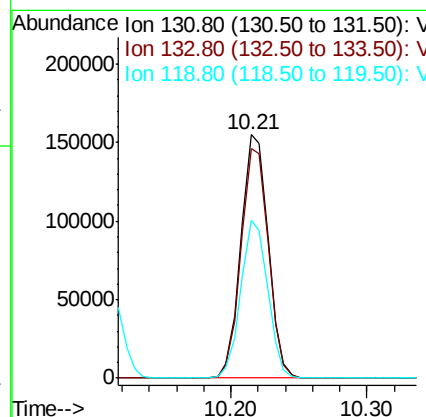
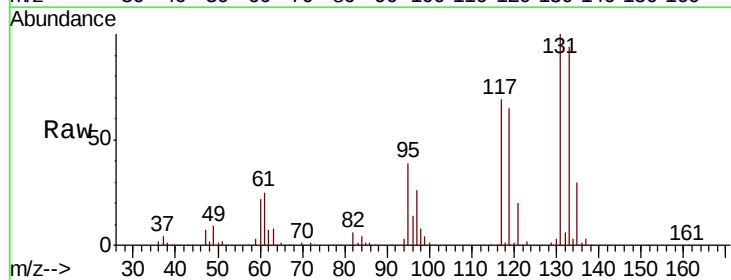
Manual Integrations
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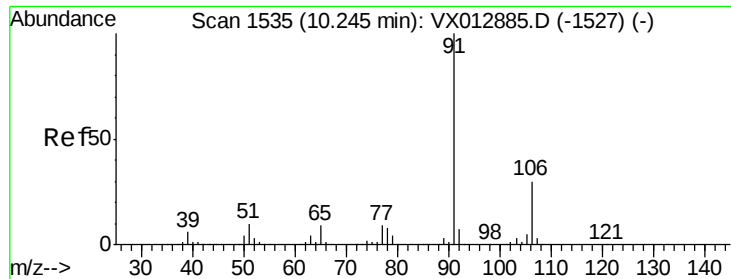
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 100.709 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion:131 Resp: 216527
Ion Ratio Lower Upper
131 100
133 95.0 47.2 141.6
119 64.2 32.6 98.0





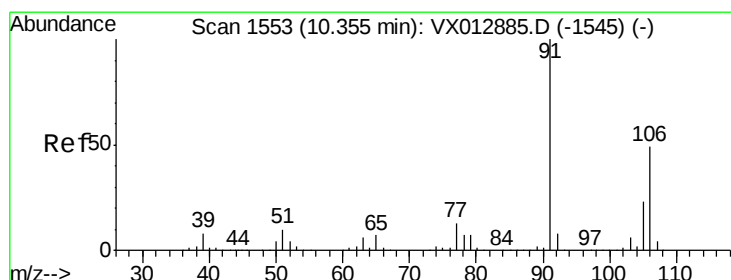
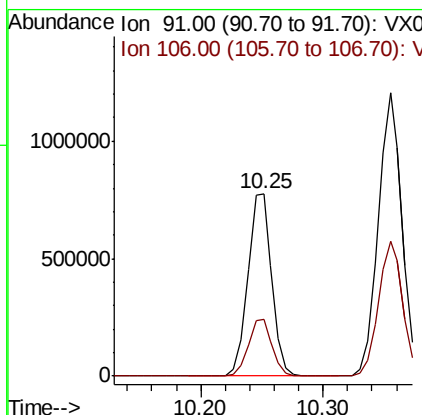
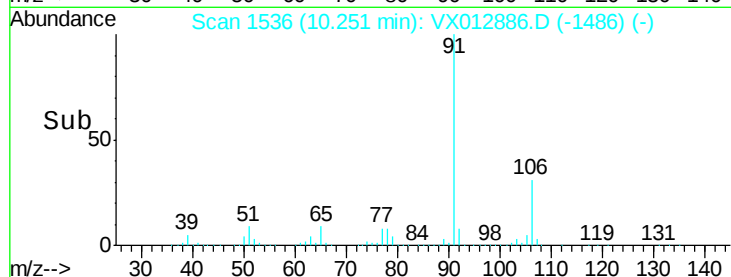
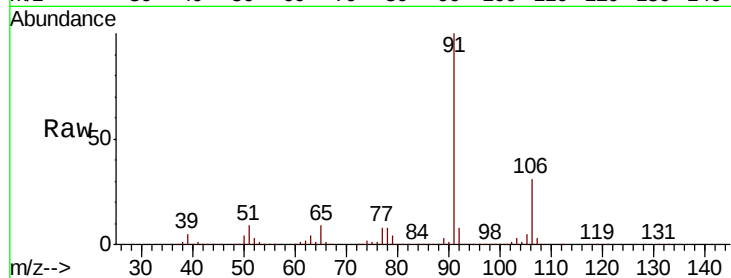
#67
Ethyl Benzene
Concen: 98.158 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1056331
Ion Ratio Lower Upper
91 100
106 31.3 23.9 35.9

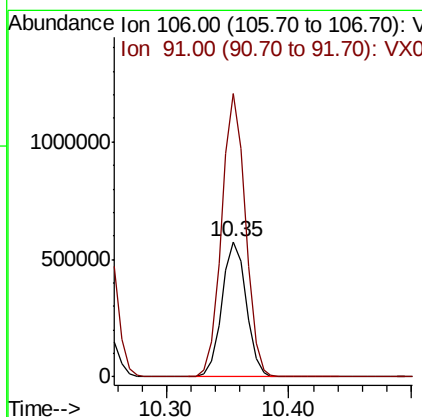
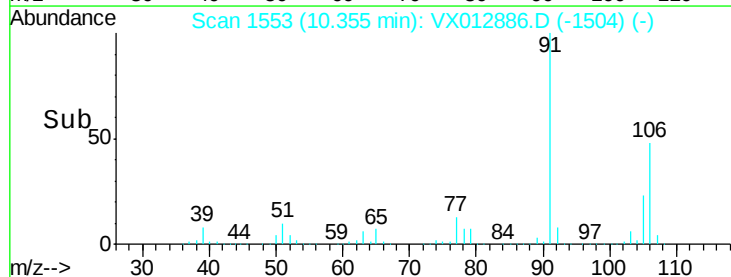
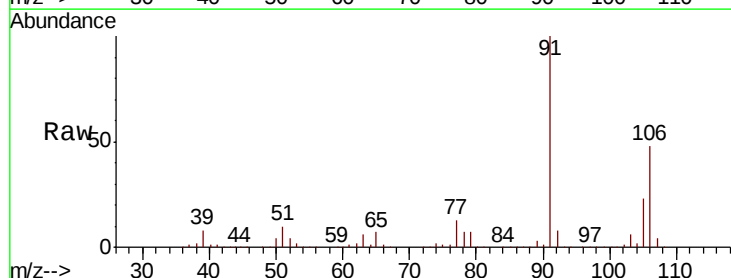
Manual Integrations
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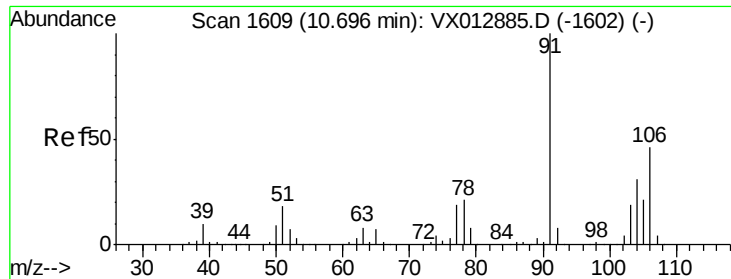
MMDadoda
10/9/2019 10:36:50 AM



#68
m/p-Xylenes
Concen: 196.424 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion: 106 Resp: 791182
Ion Ratio Lower Upper
106 100
91 205.7 165.3 247.9





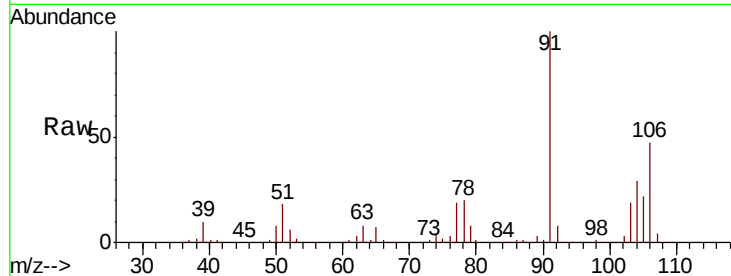
#69
o-Xylene
Concen: 98.999 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

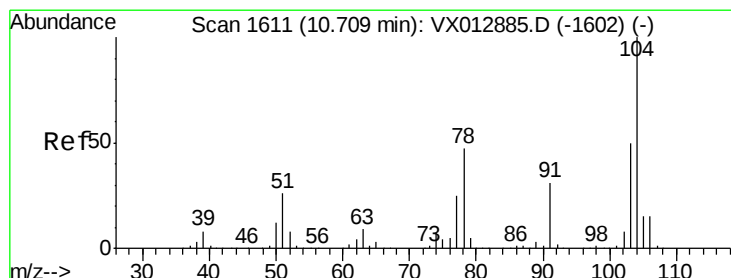
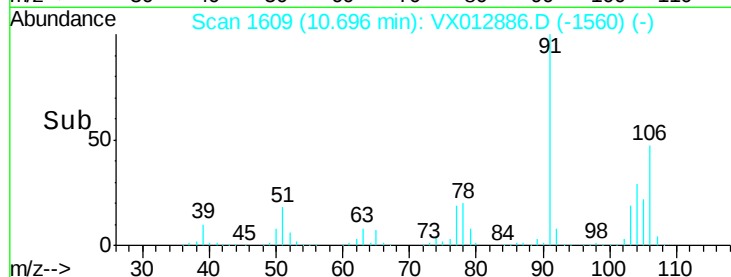
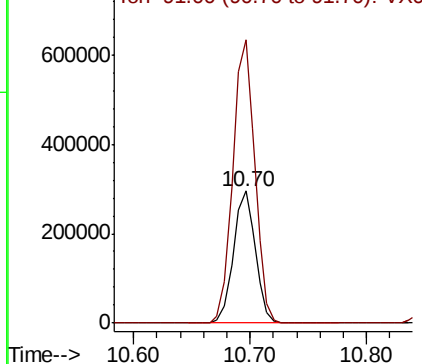
Tot Ion:106 Resp: 386424
Ion Ratio Lower Upper
106 100
91 216.6 109.1 327.3

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10/9/2019 10:36:50 AM

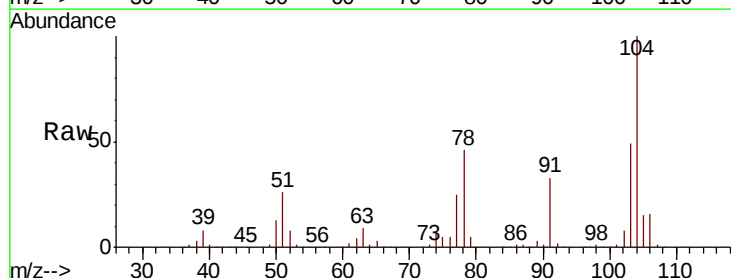


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

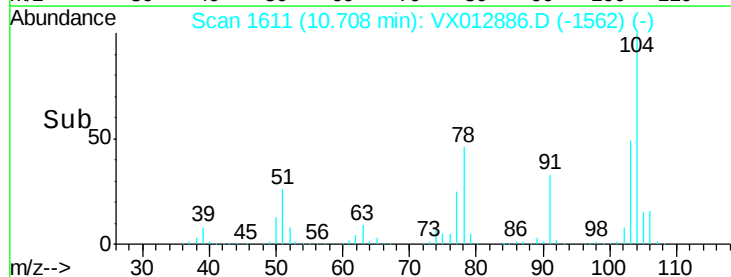
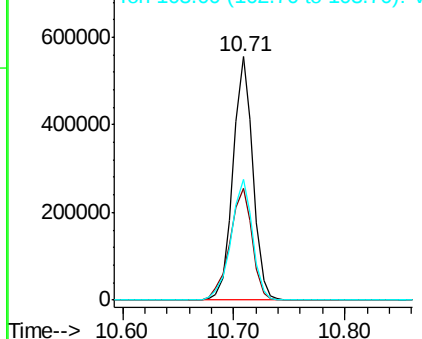


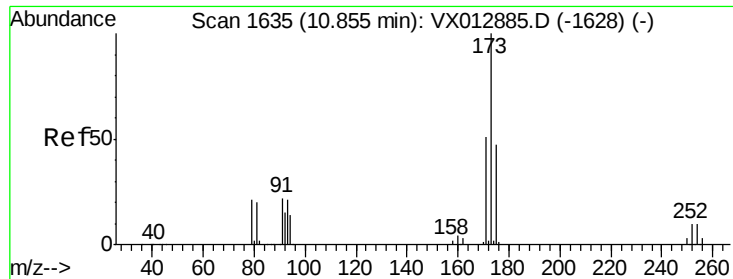
#70
Styrene
Concen: 104.150 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion:104 Resp: 682151
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 53.7 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 113.601 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

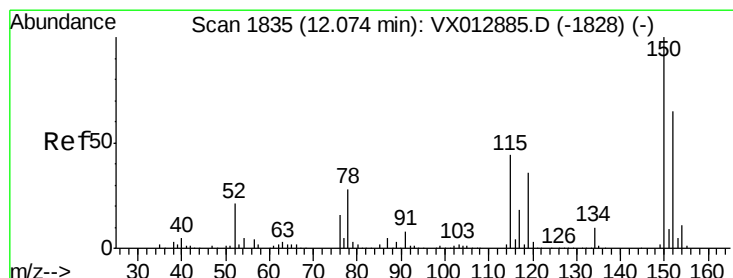
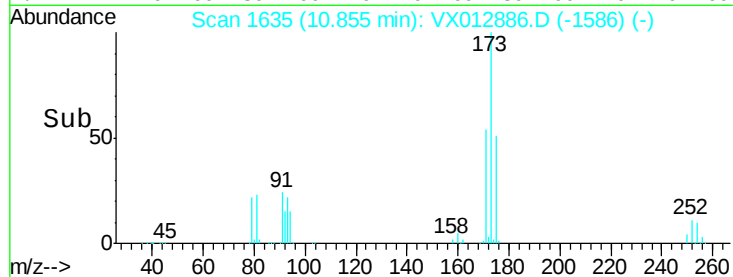
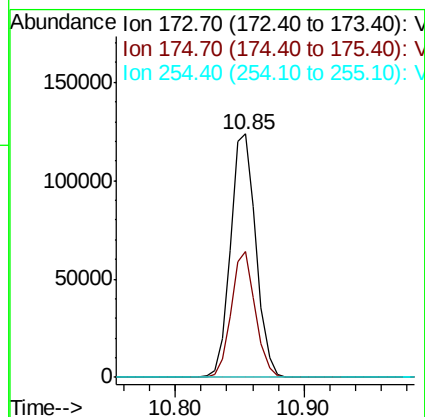
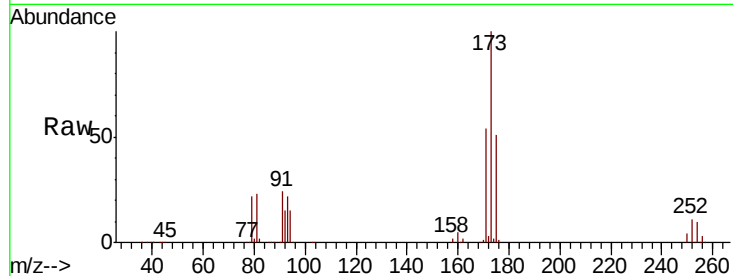
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	171087
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.1	72.3
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

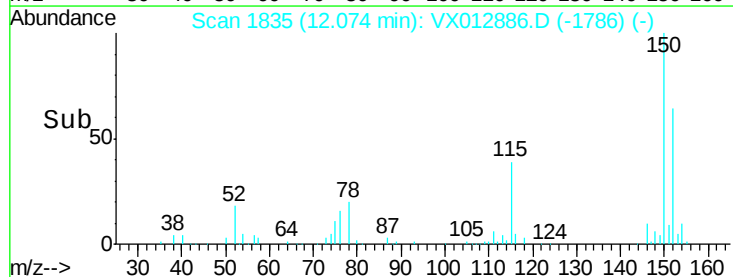
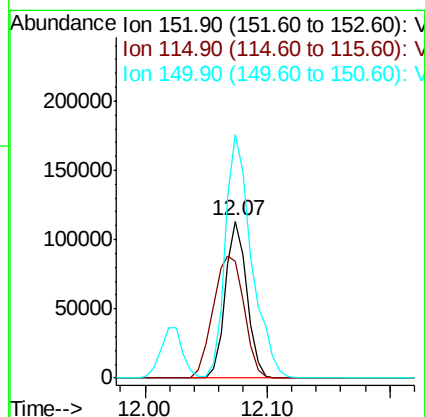
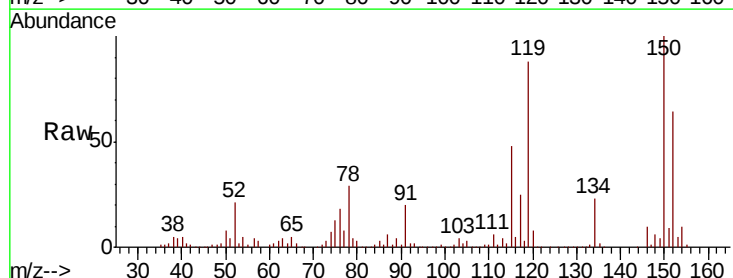
RT: 12.07 min Scan# 1835

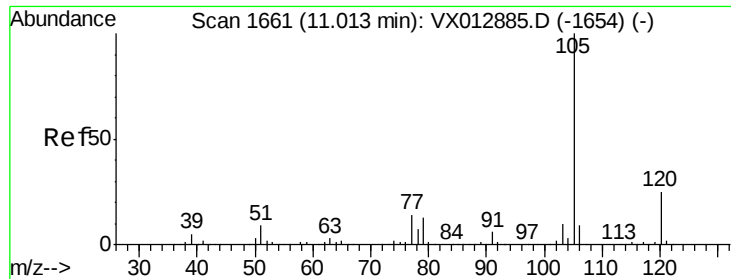
Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	152	Resp:	137542
Ion Ratio	Lower	Upper	
152	100		
115	112.3	44.5	133.5
150	190.1	0.0	353.4





#73

Isopropylbenzene

Concen: 91.280 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1023233

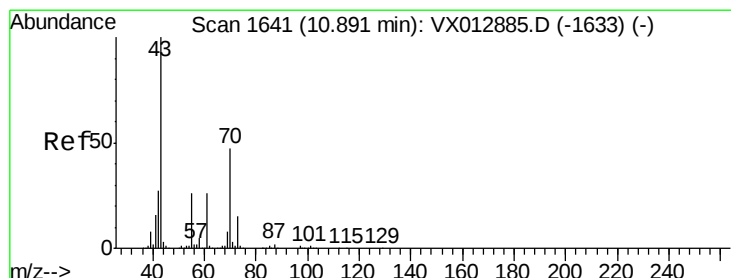
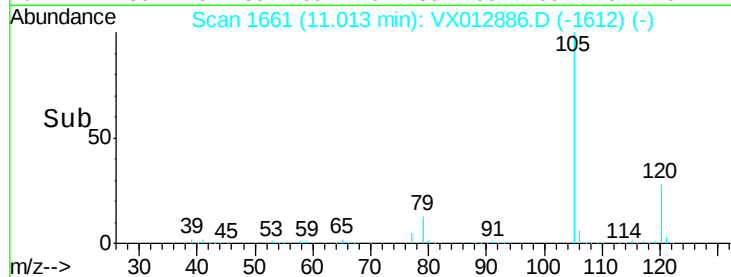
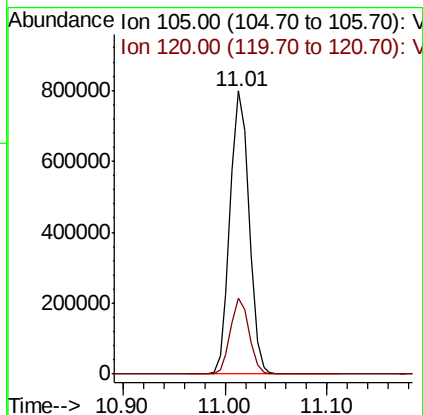
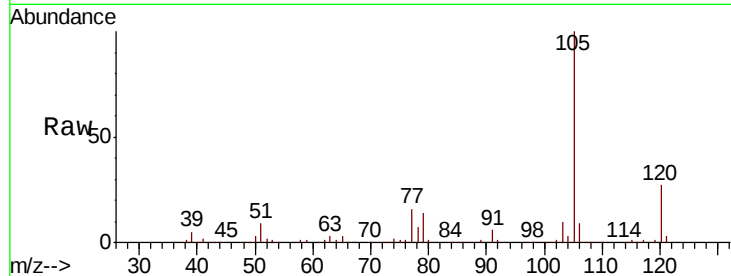
Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0

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10/9/2019 10:36:50 AM



#74

N-ethyl acetate

Concen: 91.421 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Tgt Ion: 43 Resp: 480893

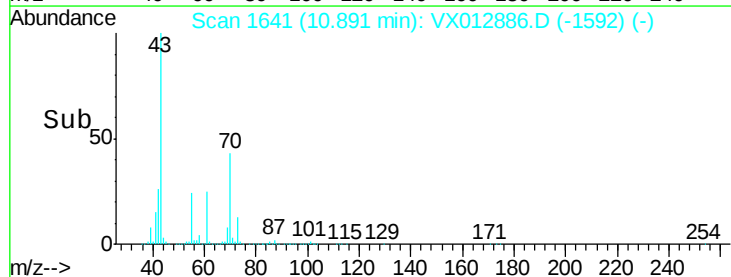
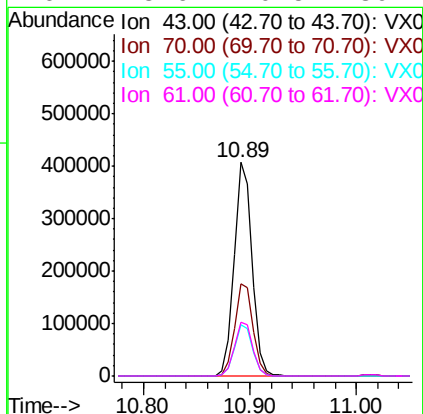
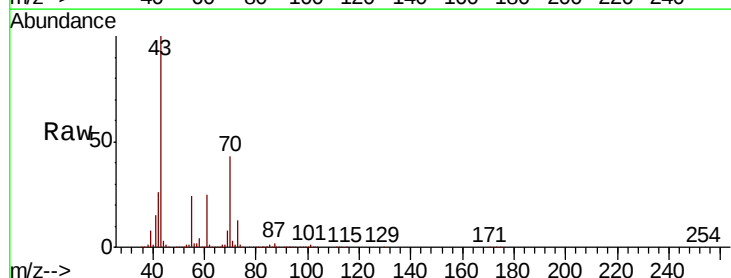
Ion Ratio Lower Upper

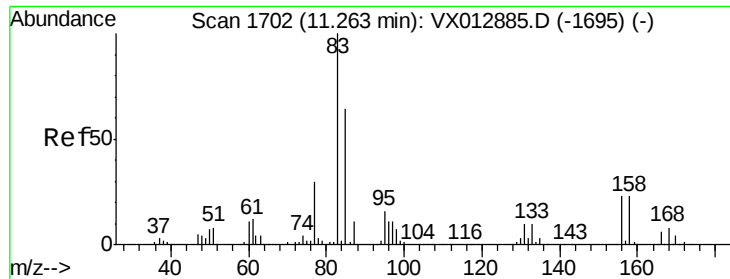
43 100

70 44.3 36.4 54.6

55 24.3 20.2 30.2

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 92.289 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 340632

Ion Ratio Lower Upper

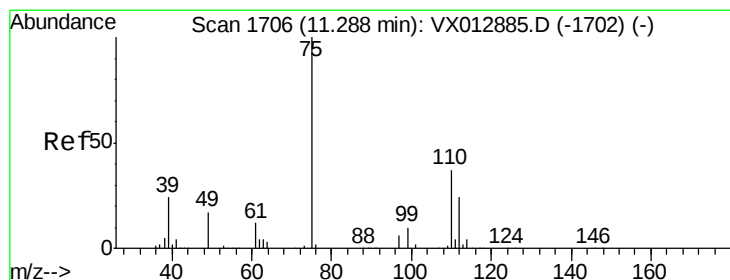
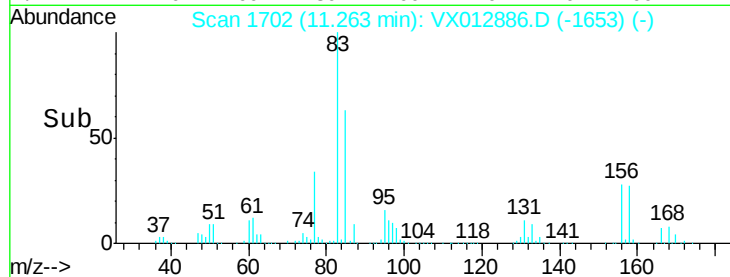
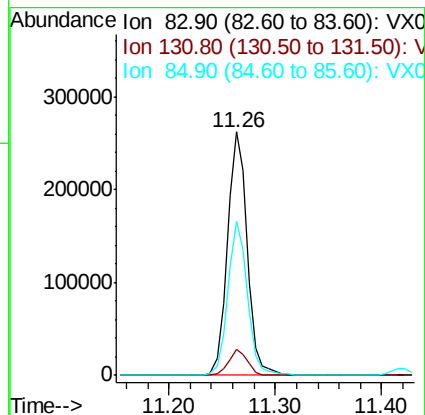
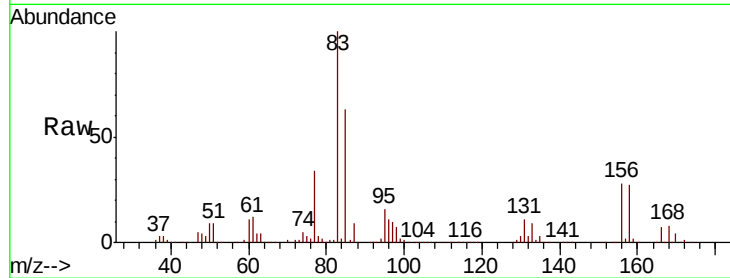
83 100

131 10.2 5.1 15.3

85 62.7 32.1 96.5

Manual Integrations
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10/9/2019 10:36:50 AM



#76

1,2,3-Trichloropropane

Concen: 92.612 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX012886.D

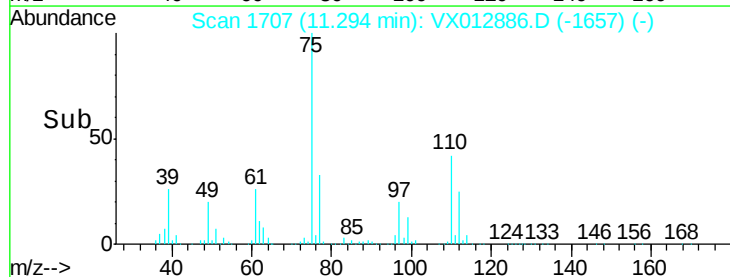
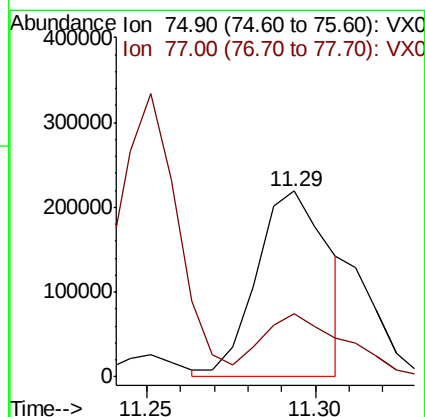
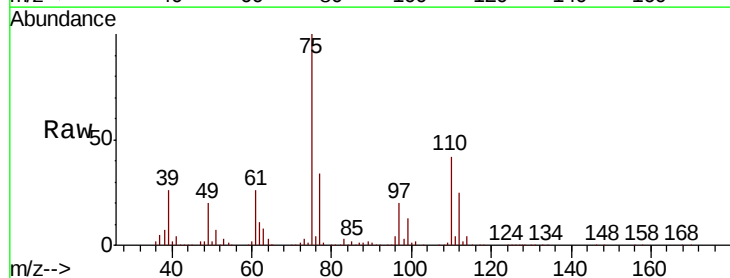
Acq: 08 Oct 2019 12:37

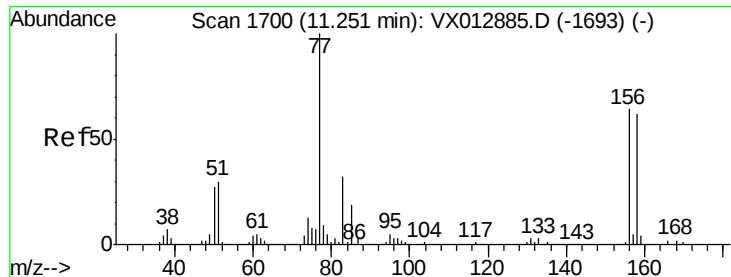
Tgt Ion: 75 Resp: 325859

Ion Ratio Lower Upper

75 100

77 39.3 22.9 68.8





#77

Bromobenzene

Concen: 95.745 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 243792

Ion Ratio Lower Upper

156 100

77 169.7 83.7 251.0

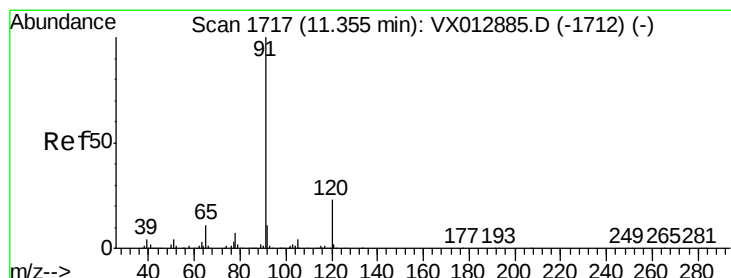
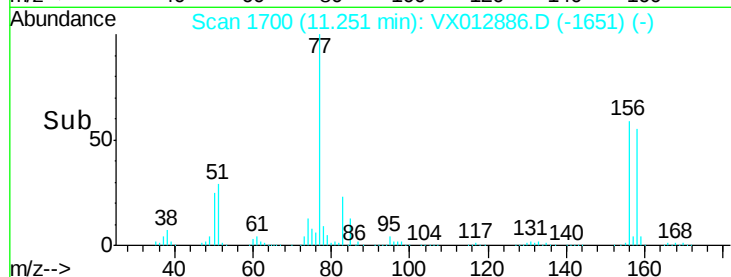
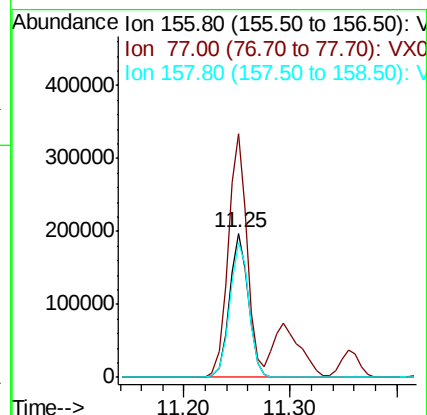
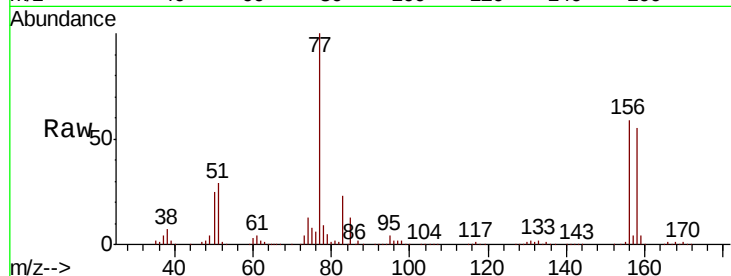
158 95.2 48.6 145.9

Manual Integrations

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#78

n-propylbenzene

Concen: 94.056 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012886.D

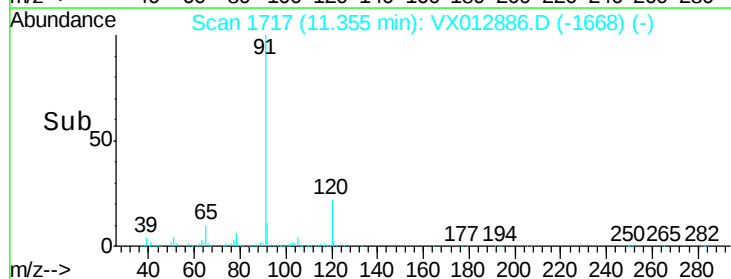
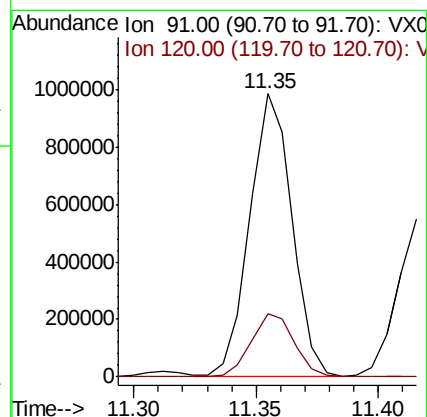
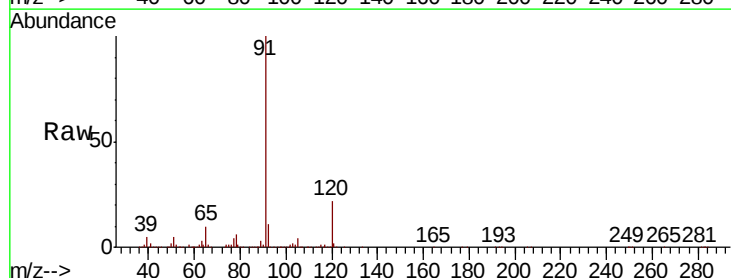
Acq: 08 Oct 2019 12:37

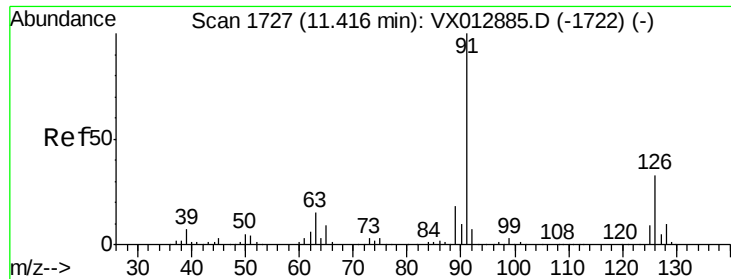
Tgt Ion: 91 Resp: 1180816

Ion Ratio Lower Upper

91 100

120 22.7 11.7 35.1





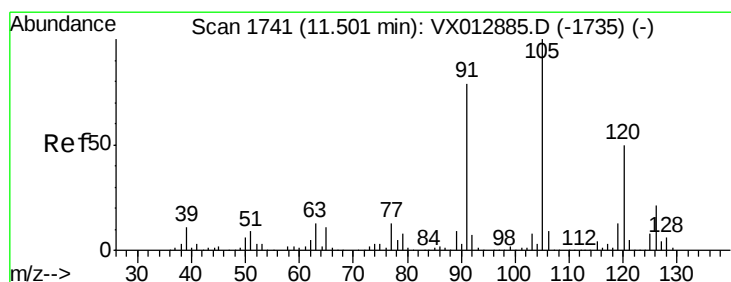
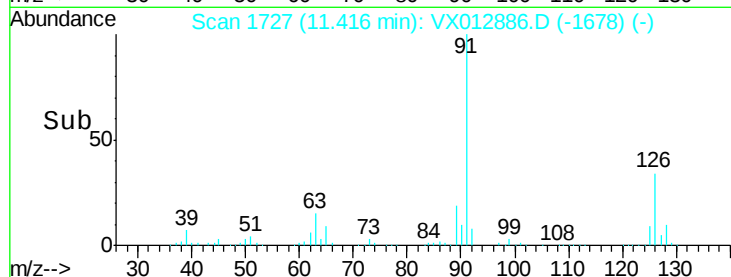
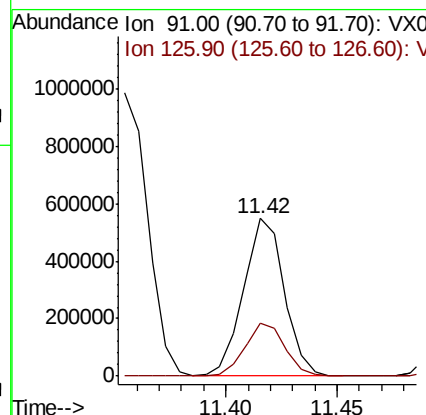
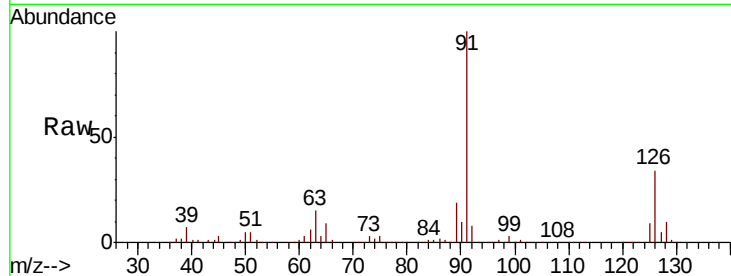
#79
 2-Chlorotoluene
 Concen: 89.249 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion: 91 Resp: 700550
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.3 48.8

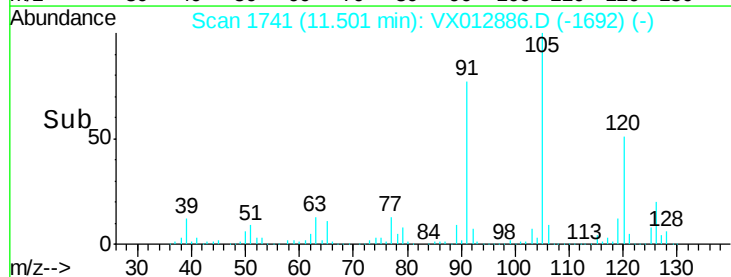
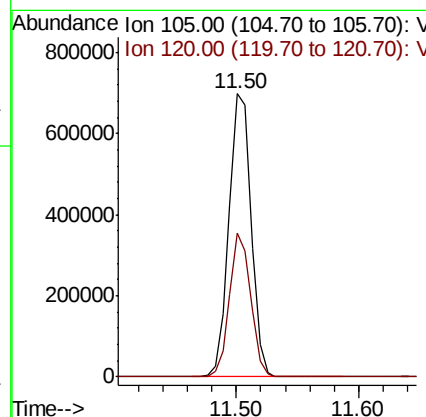
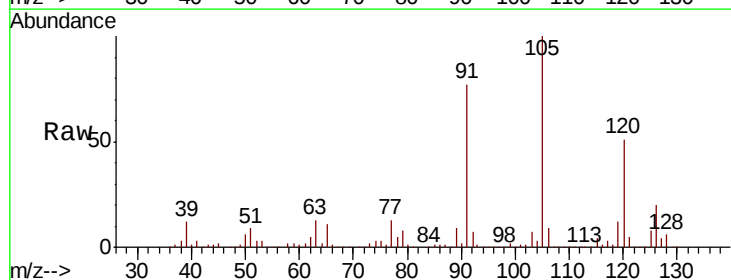
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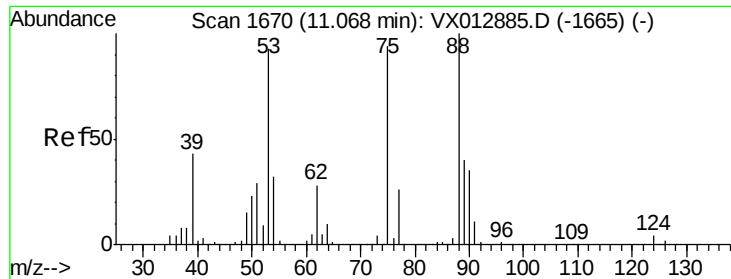
MMDadoda
 10/9/2019 10:36:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 93.134 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Tgt Ion: 105 Resp: 874915
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 99.777 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

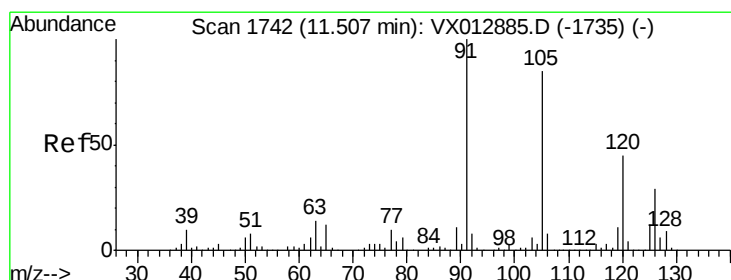
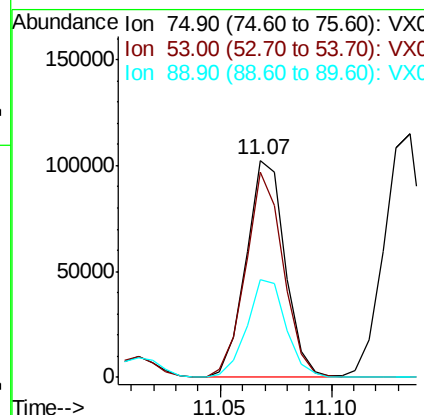
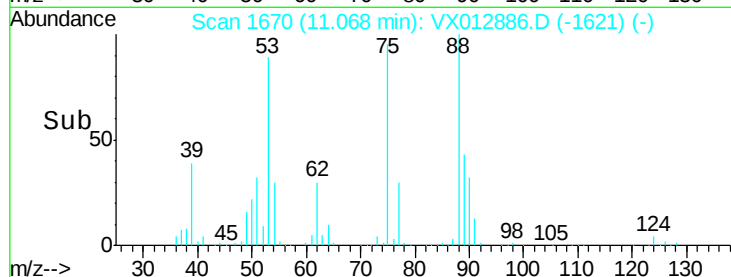
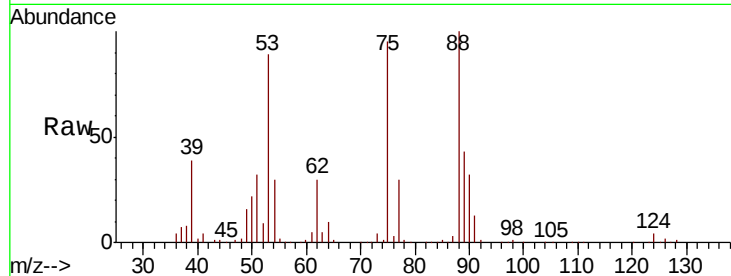
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	124651
Ion Ratio	Lower	Upper	
75	100		
53	91.4	78.5	117.7
89	45.7	37.4	56.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 93.231 ug/l

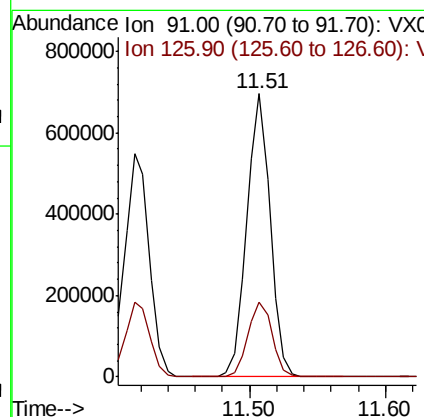
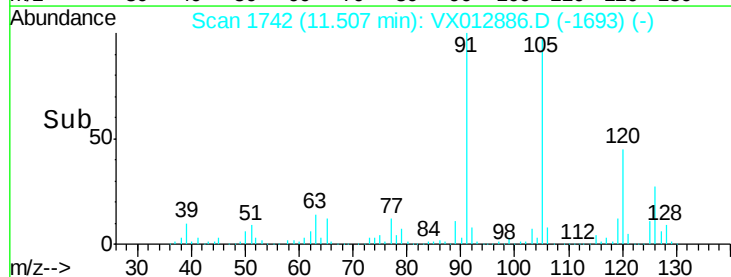
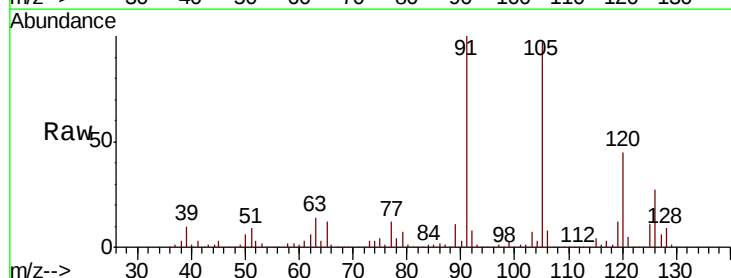
RT: 11.51 min Scan# 1742

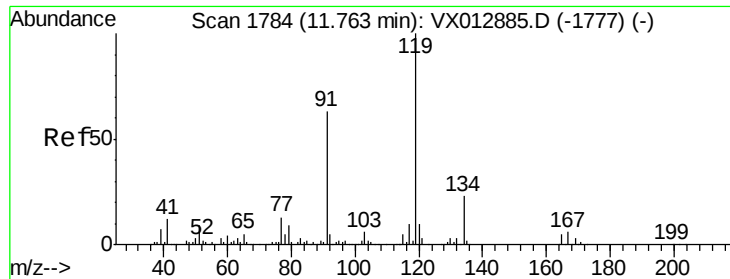
Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	91	Resp:	834804
Ion Ratio	Lower	Upper	
91	100		
126	27.6	14.2	42.6





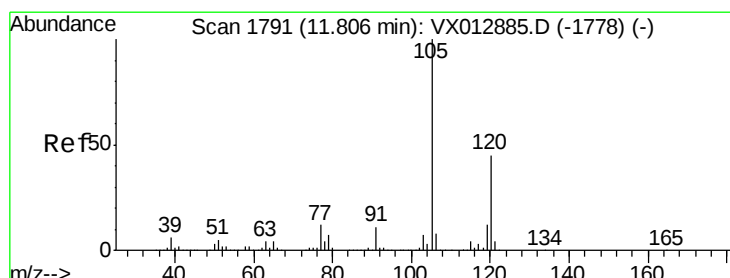
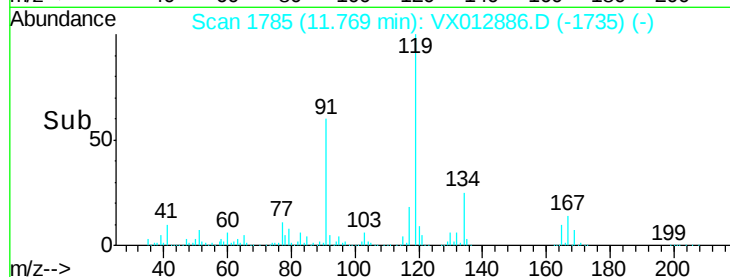
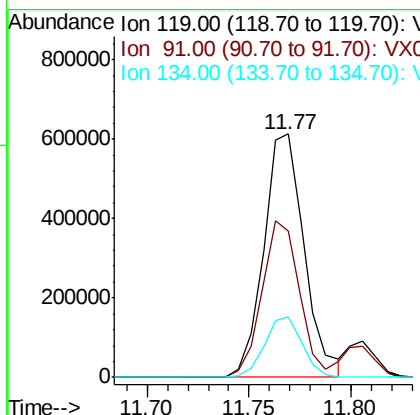
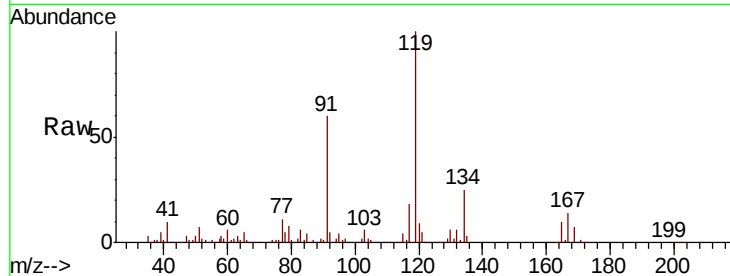
#83
tert-Butylbenzene
Concen: 93.043 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.3	87.9
134	23.3	11.5	34.4

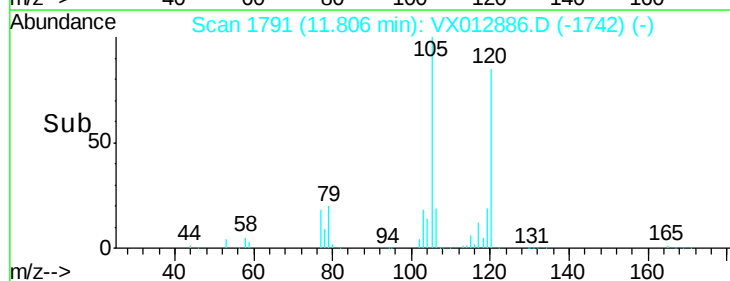
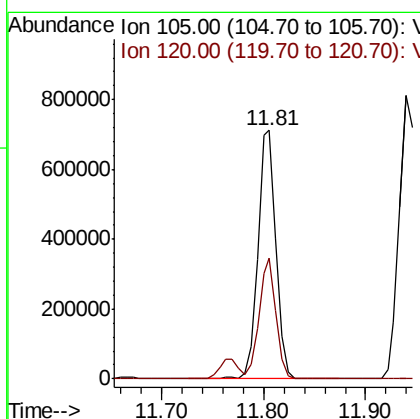
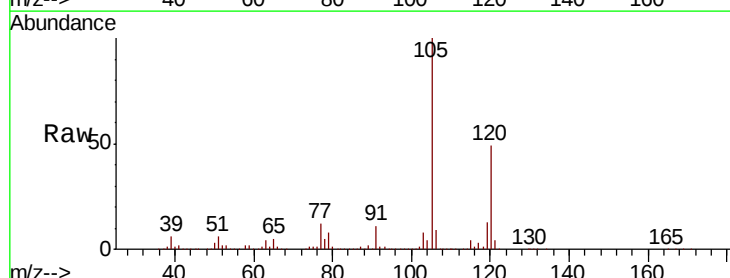
Manual Integrations
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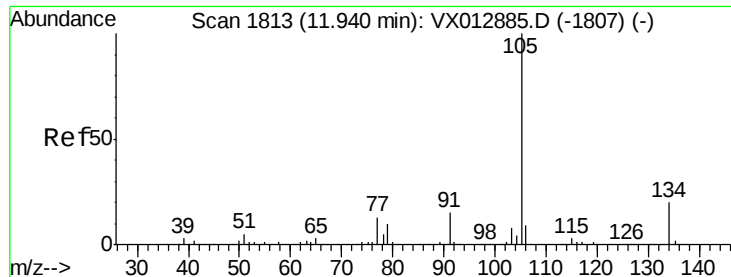
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 93.559 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	21.8	65.3





#85

sec-Butylbenzene

Concen: 94.499 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 999454

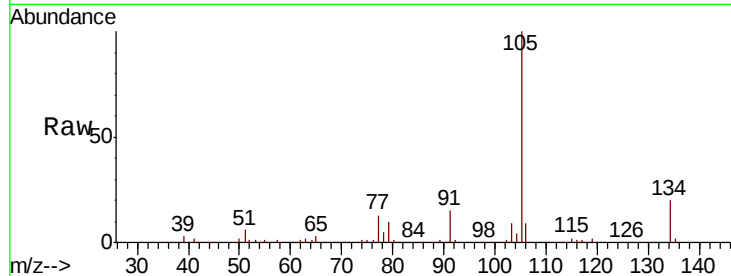
Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

800000

600000

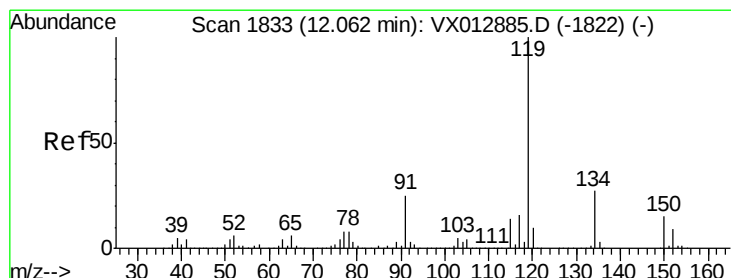
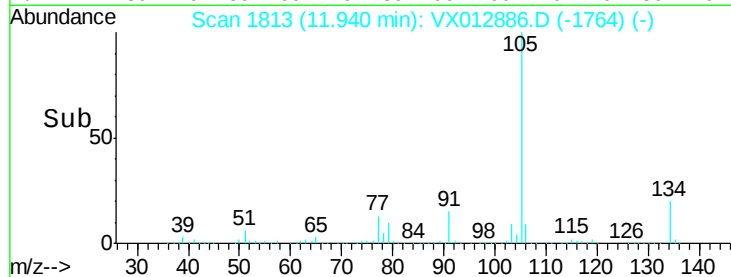
400000

200000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 99.084 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

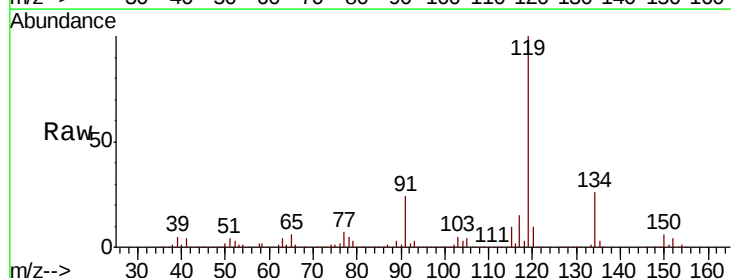
Tgt Ion:119 Resp: 944779

Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.8

91 24.6 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

1000000

800000

600000

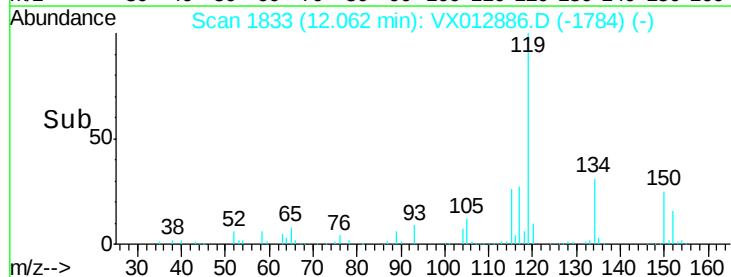
400000

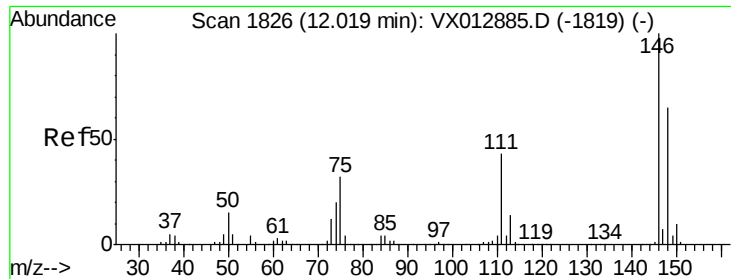
200000

0

12.00 12.10

Time-->





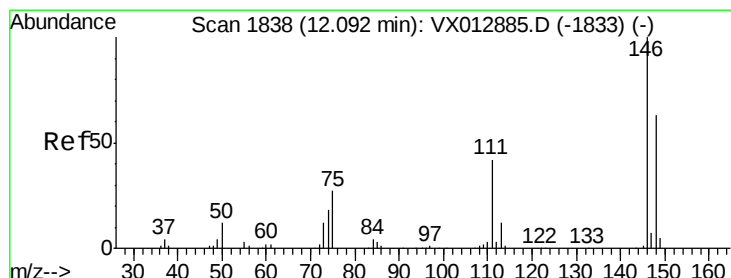
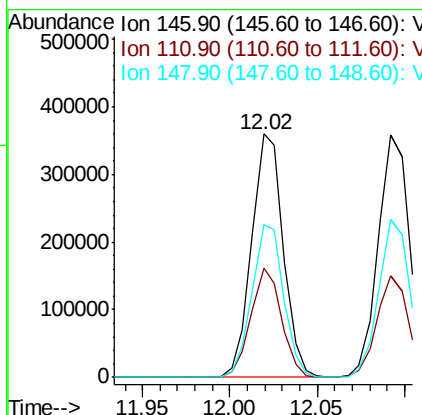
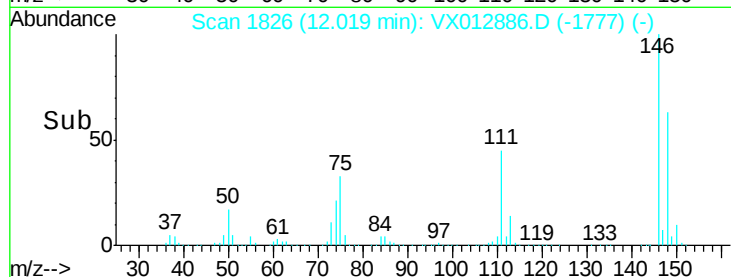
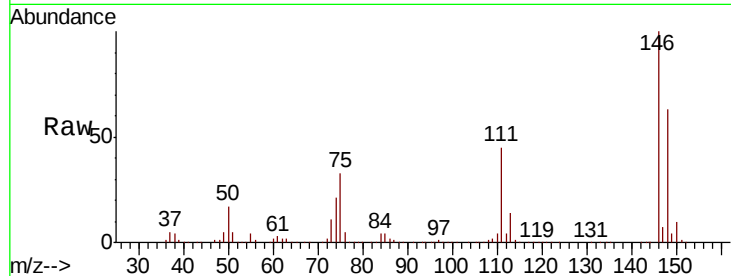
#87
 1,3-Dichlorobenzene
 Concen: 98.073 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.4
148	63.2	31.6	95.0

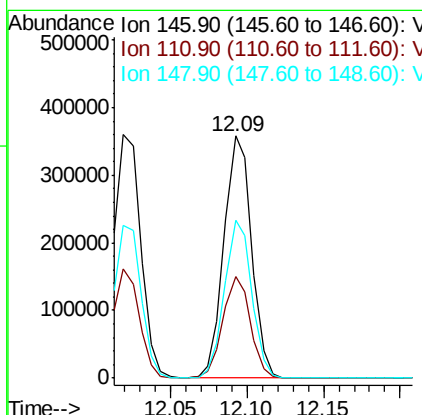
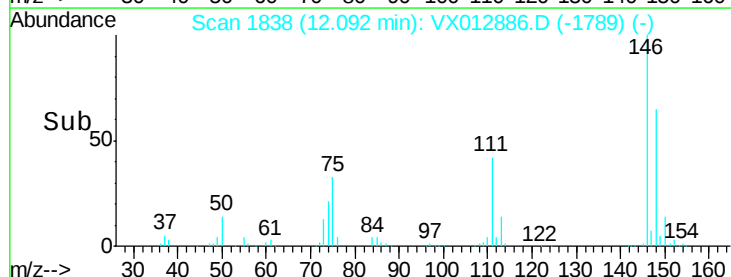
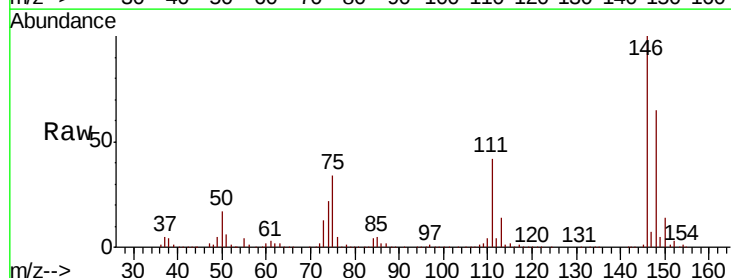
Manual Integrations
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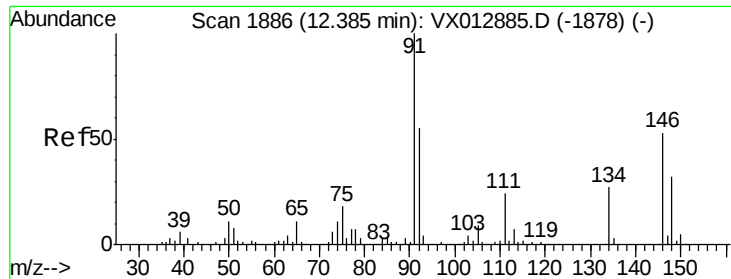
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#88
 1,4-Dichlorobenzene
 Concen: 96.662 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.4	64.3
148	64.5	32.1	96.5





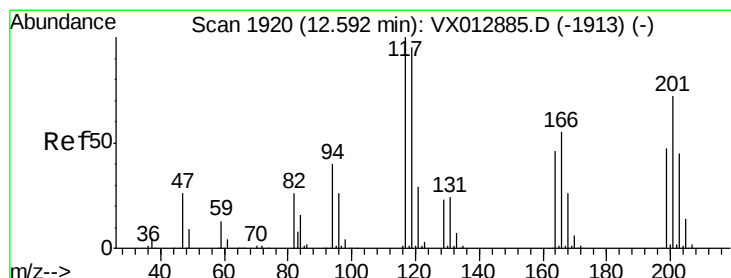
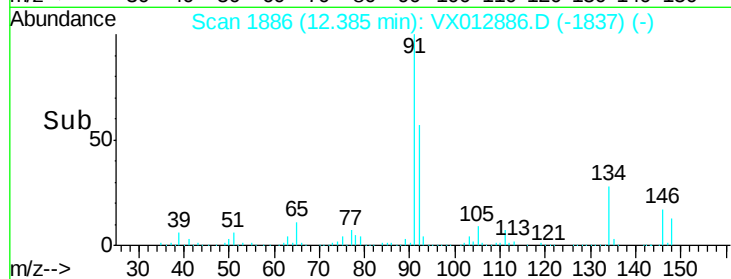
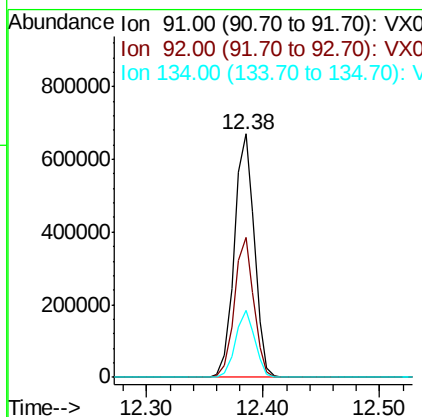
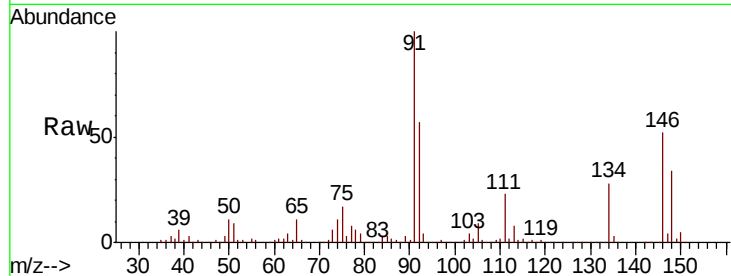
#89
n-Butylbenzene
Concen: 95.646 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	27.5	82.5
134	26.6	12.9	38.7

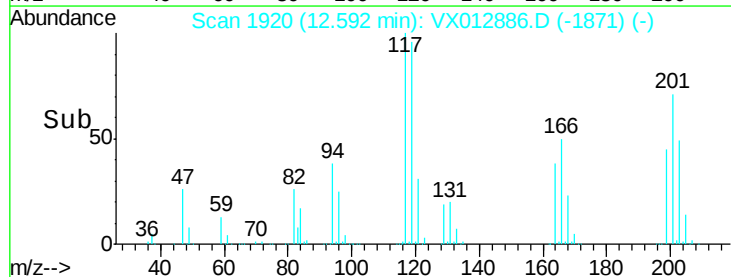
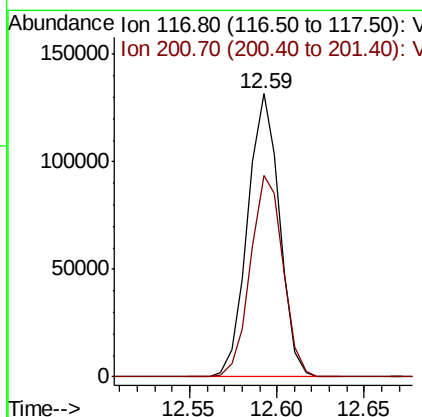
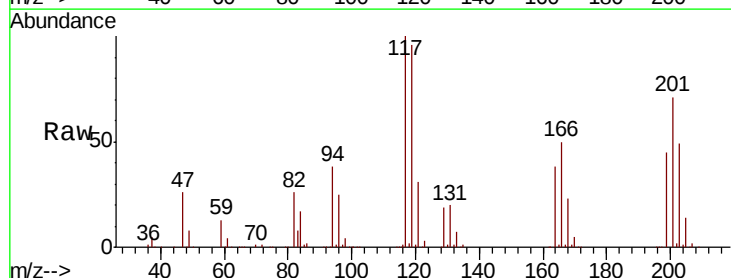
Manual Integrations
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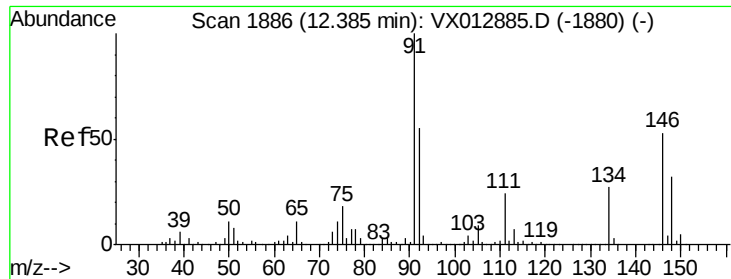
MMDadoda
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#90
Hexachloroethane
Concen: 98.983 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	36.9	110.7





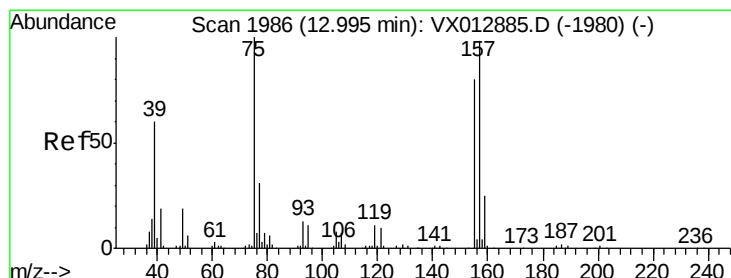
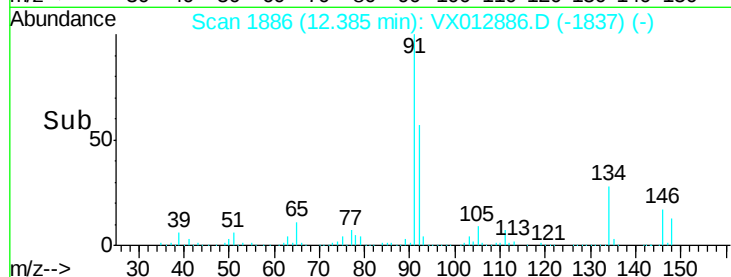
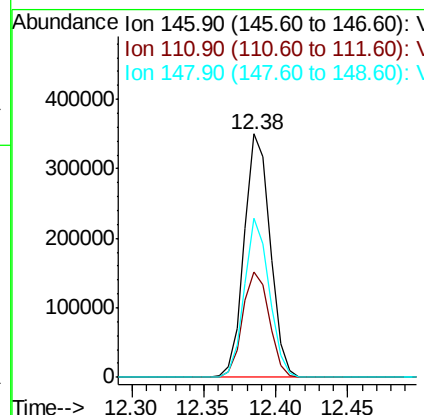
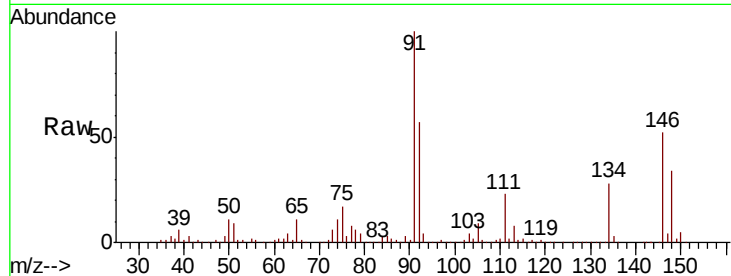
#91
 1,2-Dichlorobenzene
 Concen: 95.772 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.7	68.0
148	62.8	31.6	94.7

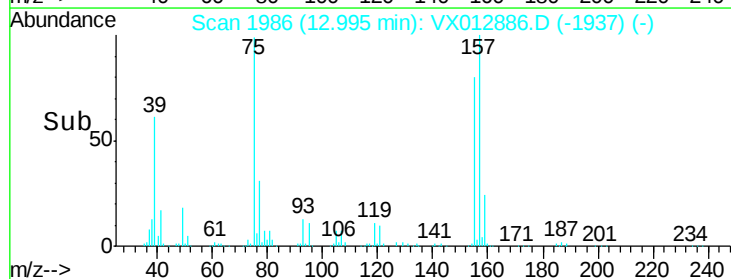
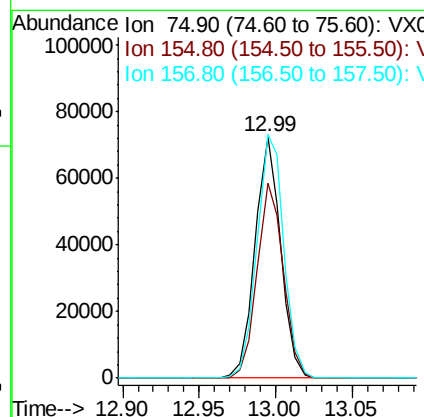
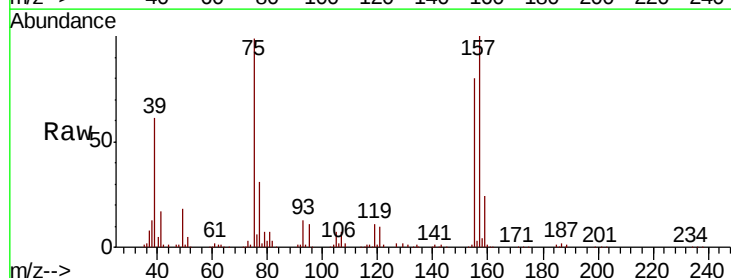
Manual Integrations
 APPROVED

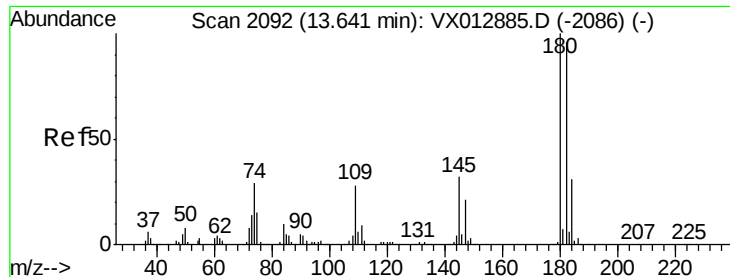
MMDadoda
 10/9/2019 10:36:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 91.693 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012886.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	43.0	128.8
157	106.2	54.1	162.3





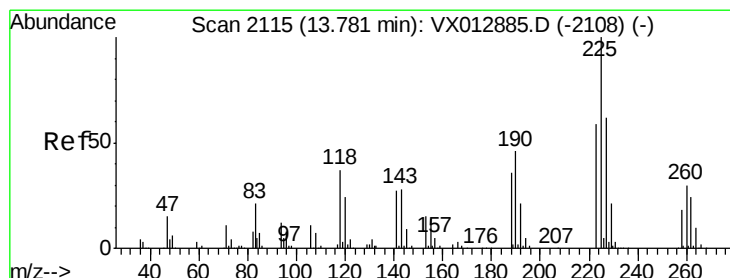
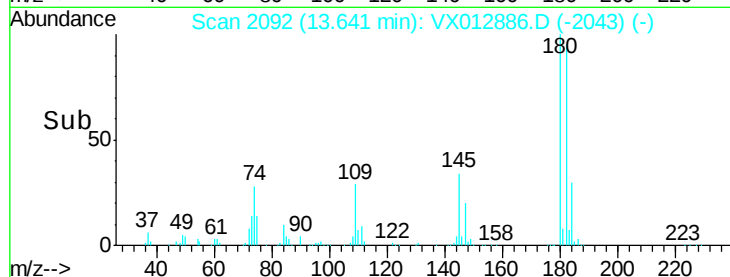
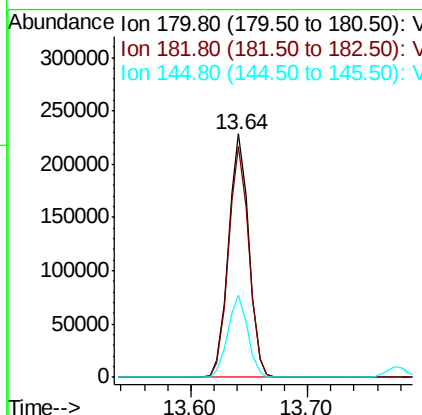
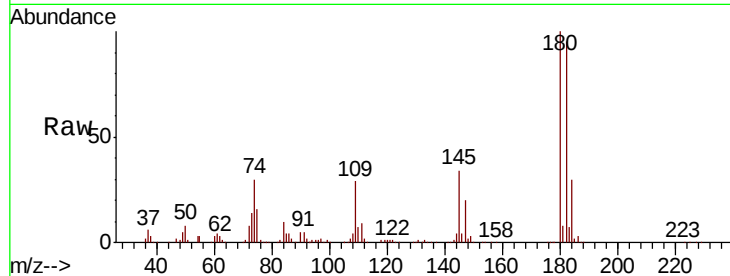
#93
1,2,4-Trichlorobenzene
Concen: 98.137 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.8	140.4
145	33.1	16.2	48.6

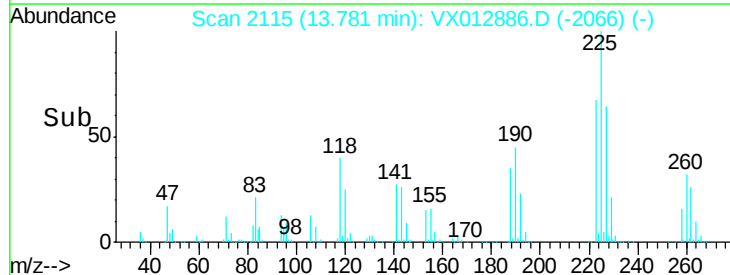
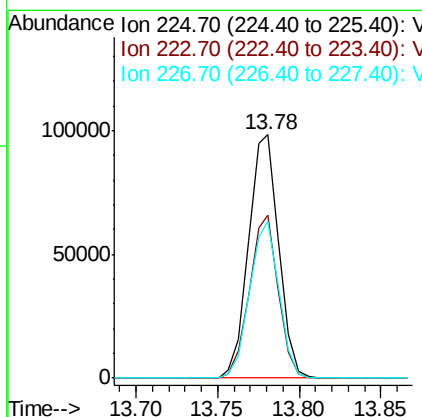
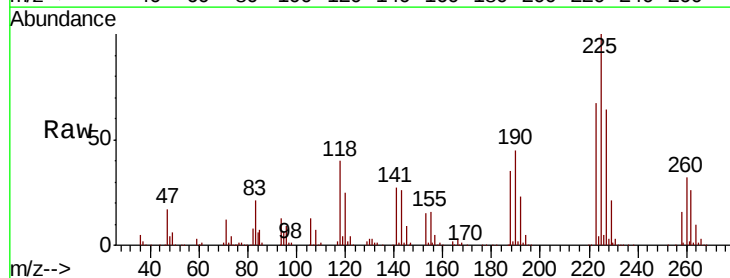
Manual Integrations
APPROVED

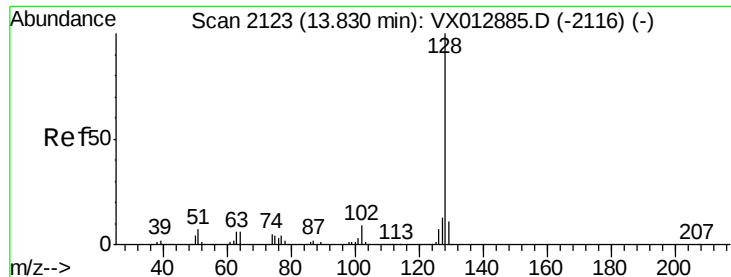
MMDadoda
10/9/2019 10:36:50 AM



#94
Hexachlorobutadiene
Concen: 103.343 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VX012886.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.1	93.2
227	62.5	32.3	96.9





#95

Naphthalene

Concen: 95.670 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_X

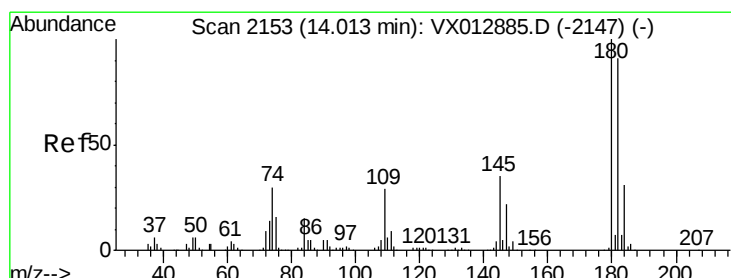
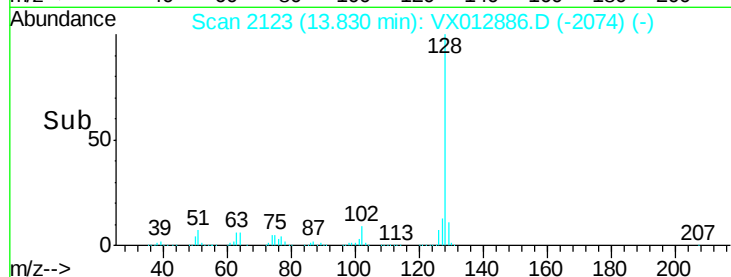
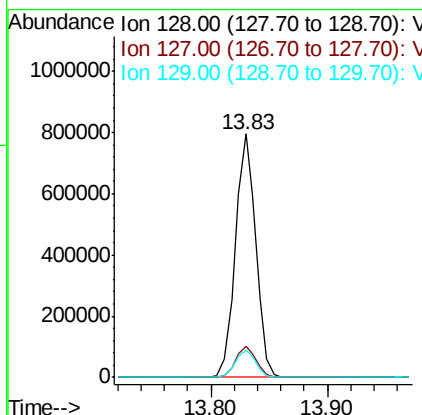
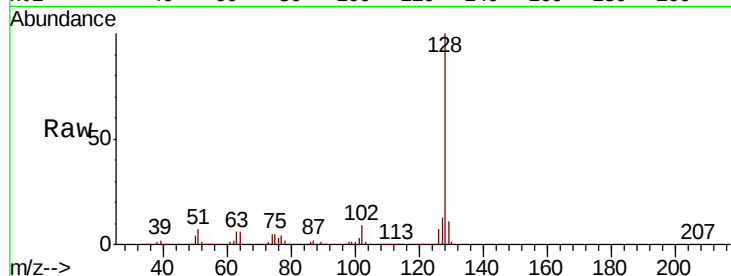
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	964792
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:36:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 97.102 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012886.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	180	Resp:	273282
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.5	142.5
145	34.8	17.4	52.3

