

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001732.D
 Acq On : 21 Feb 2020 10:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:09:35 AM

Quant Time: Feb 22 03:52:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	201004	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	356393	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	316024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.45	152	146610	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	100140	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
35) Dibromofluoromethane	7.75	113	93586	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
50) Toluene-d8	10.20	98	394166	49.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.50	95	141652	45.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	106589	54.401	ug/l	100
3) Chloromethane	2.13	50	132636	50.329	ug/l	100
4) Vinyl Chloride	2.27	62	136878	51.494	ug/l	100
5) Bromomethane	2.68	94	84675	50.969	ug/l	98
6) Chloroethane	2.82	64	84224	51.419	ug/l	97
7) Trichlorofluoromethane	3.16	101	178668	52.518	ug/l	99
8) Diethyl Ether	3.56	74	67179	50.091	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	111825	52.296	ug/l	99
10) Methyl Iodide	4.13	142	136904	52.313	ug/l	99
11) Tert butyl alcohol	5.00	59	56080	220.953	ug/l	100
12) 1,1-Dichloroethene	3.91	96	112676	51.664	ug/l	98
13) Acrolein	3.77	56	57586	263.720	ug/l	99
14) Allyl chloride	4.52	41	202886	52.271	ug/l	98
15) Acrylonitrile	5.21	53	171368	249.285	ug/l	100
16) Acetone	3.99	43	195291	261.047	ug/l	97
17) Carbon Disulfide	4.24	76	366286	50.306	ug/l	99
18) Methyl Acetate	4.52	43	78739	48.330	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	303023	49.904	ug/l	98
20) Methylene Chloride	4.76	84	125181	47.109	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	124637	50.089	ug/l	95
22) Diisopropyl ether	6.16	45	407197	51.085	ug/l	98
23) Vinyl Acetate	6.11	43	1323806	254.607	ug/l	100
24) 1,1-Dichloroethane	6.07	63	220072	51.657	ug/l	100
25) 2-Butanone	7.03	43	258437	254.298	ug/l	99
26) 2,2-Dichloropropane	7.02	77	191202	51.585	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	138902	50.572	ug/l	99
28) Bromochloromethane	7.38	49	96339	54.285	ug/l	98
29) Tetrahydrofuran	7.39	42	150577	245.137	ug/l	99
30) Chloroform	7.55	83	210943	50.674	ug/l	100
31) Cyclohexane	7.82	56	226482	49.860	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	181826	51.970	ug/l	100
36) 1,1-Dichloropropene	7.96	75	175699	51.612	ug/l	99
37) Ethyl Acetate	7.12	43	100524	49.475	ug/l	99
38) Carbon Tetrachloride	7.94	117	155456	51.990	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	232051	51.381	ug/l	99
40) Benzene	8.19	78	520069	51.944	ug/l	99
41) Methacrylonitrile	7.36	41	56815m	55.690	ug/l	
42) 1,2-Dichloroethane	8.27	62	137437	50.388	ug/l	99
43) Isopropyl Acetate	8.30	43	194822	50.536	ug/l	99
44) Trichloroethene	8.97	130	128425	51.384	ug/l	99
45) 1,2-Dichloropropane	9.25	63	132923	53.012	ug/l	100
46) Dibromomethane	9.33	93	66636	50.810	ug/l	100
47) Bromodichloromethane	9.52	83	163320	51.598	ug/l	98
48) Methyl methacrylate	9.32	41	90430	51.867	ug/l	98
49) 1,4-Dioxane	9.33	88	16179	873.443	ug/l	98
51) 4-Methyl-2-Pentanone	10.10	43	494304	249.558	ug/l	99
52) Toluene	10.27	92	321114	51.417	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	181380	51.835	ug/l	98
54) cis-1,3-Dichloropropene	9.96	75	210788	52.340	ug/l	99
55) 1,1,2-Trichloroethane	10.67	97	97924	50.638	ug/l	99
56) Ethyl methacrylate	10.53	69	149807	51.638	ug/l	99
57) 1,3-Dichloropropane	10.81	76	174647	50.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.81	63	273961	251.195	ug/l	99
59) 2-Hexanone	10.86	43	380659	256.135	ug/l	99
60) Dibromochloromethane	11.01	129	108255	50.775	ug/l	100
61) 1,2-Dibromoethane	11.11	107	93083	50.907	ug/l	98
64) Tetrachloroethene	10.74	164	100439	50.628	ug/l	99
65) Chlorobenzene	11.54	112	324894	51.494	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	111115	52.207	ug/l	99
67) Ethyl Benzene	11.61	91	612667	52.326	ug/l	99
68) m/p-Xylenes	11.72	106	458782	104.895	ug/l	99
69) o-Xylene	12.05	106	214185	51.510	ug/l	99
70) Styrene	12.06	104	374207	51.783	ug/l	99
71) Bromoform	12.23	173	60987	50.141	ug/l #	99
73) Isopropylbenzene	12.35	105	578022	51.752	ug/l	100
74) N-amyl acetate	12.16	43	177095	49.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	123184	51.653	ug/l	98
76) 1,2,3-Trichloropropane	12.66	75	91855m	54.617	ug/l	
77) Bromobenzene	12.63	156	122391	50.549	ug/l	99
78) n-propylbenzene	12.69	91	716763	52.692	ug/l	100
79) 2-Chlorotoluene	12.78	91	394829	51.751	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	480858	52.010	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	45273	51.070	ug/l	97
82) 4-Chlorotoluene	12.88	91	416594	51.772	ug/l	100
83) tert-Butylbenzene	13.09	119	397329	51.383	ug/l	100
84) 1,2,4-Trimethylbenzene	13.14	105	471980	51.205	ug/l	99
85) sec-Butylbenzene	13.27	105	589710	51.853	ug/l	99
86) p-Isopropyltoluene	13.39	119	504286	51.042	ug/l	99
87) 1,3-Dichlorobenzene	13.39	146	234164	49.867	ug/l	100
88) 1,4-Dichlorobenzene	13.47	146	238270	50.198	ug/l	100
89) n-Butylbenzene	13.72	91	519406	51.450	ug/l	99
90) Hexachloroethane	13.98	117	95973	51.558	ug/l	100
91) 1,2-Dichlorobenzene	13.76	146	216496	49.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	18880	47.970	ug/l	100

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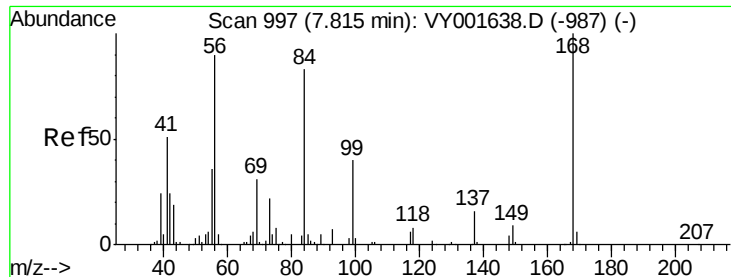
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.03	180	133767	46.581	ug/l	99
94) Hexachlorobutadiene	15.13	225	65393	45.788	ug/l	98
95) Naphthalene	15.26	128	315782	47.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.45	180	117133	46.363	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 201004

Ion Ratio Lower Upper

168 100

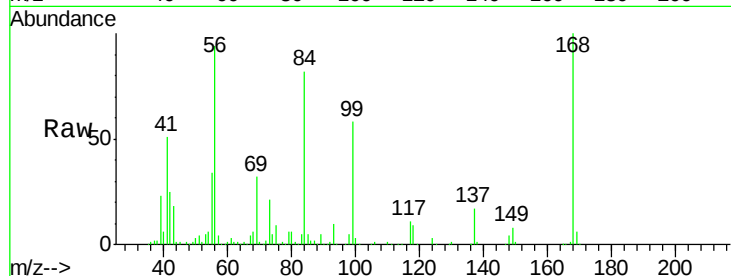
99 58.1 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.83

100000

80000

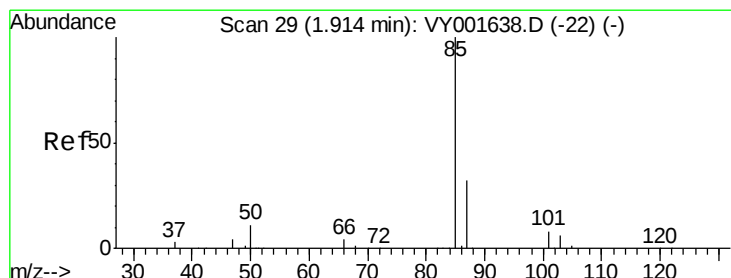
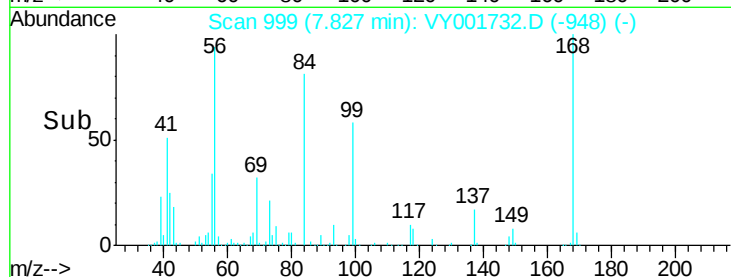
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.401 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001732.D

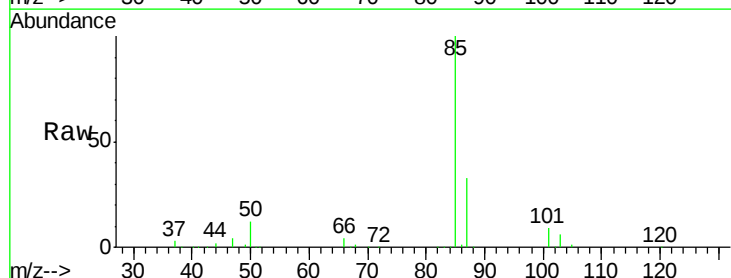
Acq: 21 Feb 2020 10:52

Tgt Ion: 85 Resp: 106589

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)

1.92

80000

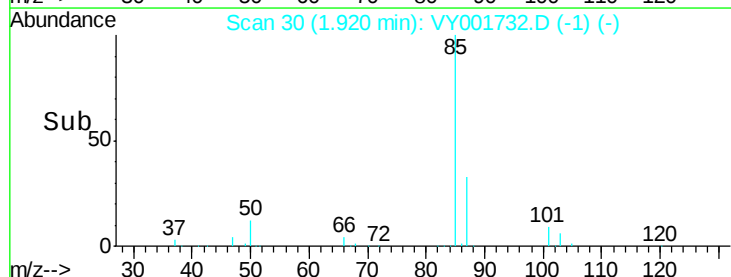
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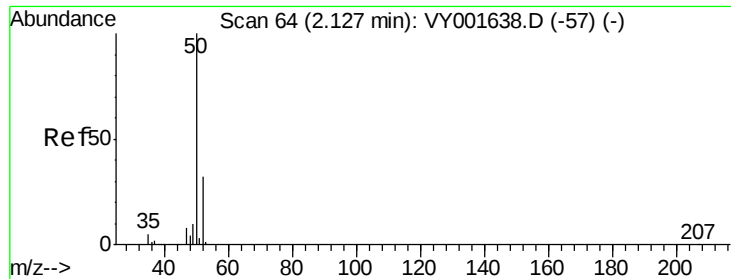
40000

20000

0

Time-->





#3

Chloromethane

Concen: 50.329 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 132636

Ion Ratio Lower Upper

50 100

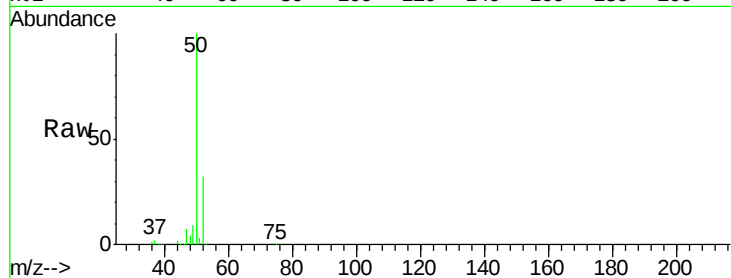
52 32.0 25.8 38.6

Manual Integrations

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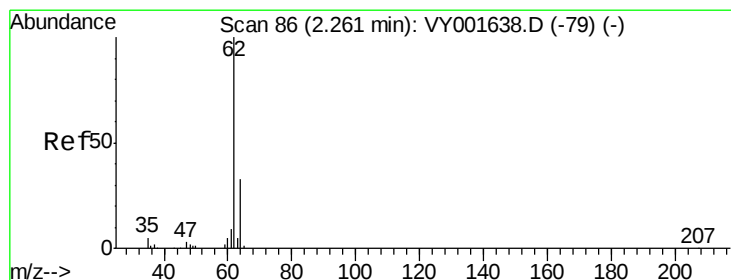
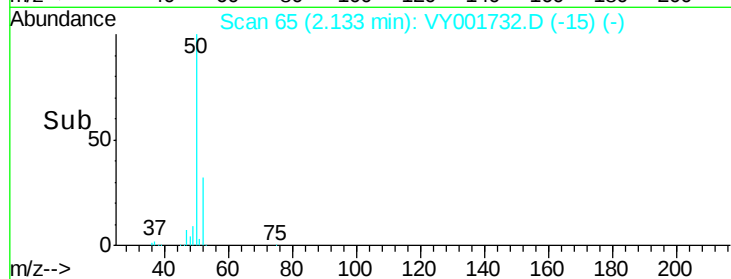
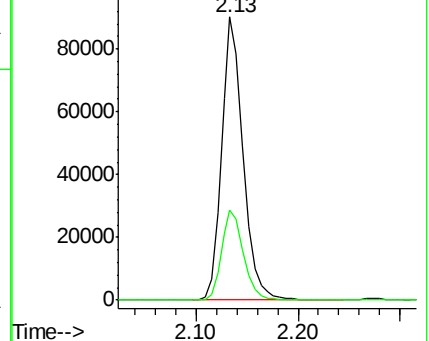
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 51.494 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001732.D

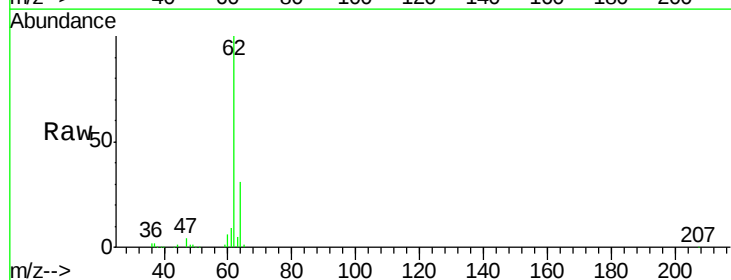
Acq: 21 Feb 2020 10:52

Tgt Ion: 62 Resp: 136878

Ion Ratio Lower Upper

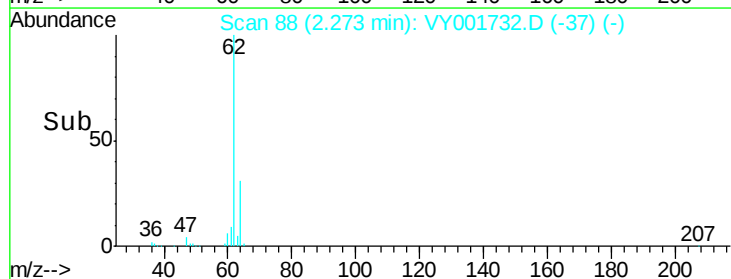
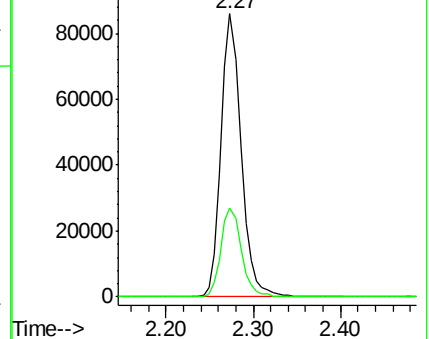
62 100

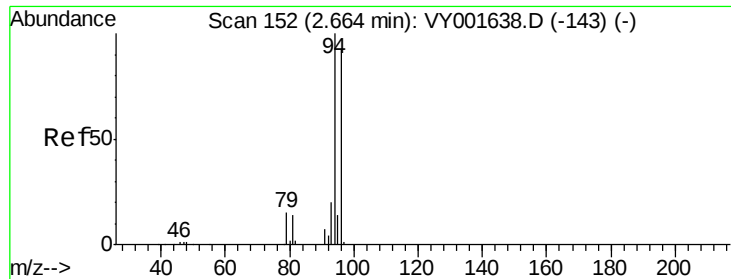
64 31.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 50.969 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84675

Ion Ratio Lower Upper

94 100

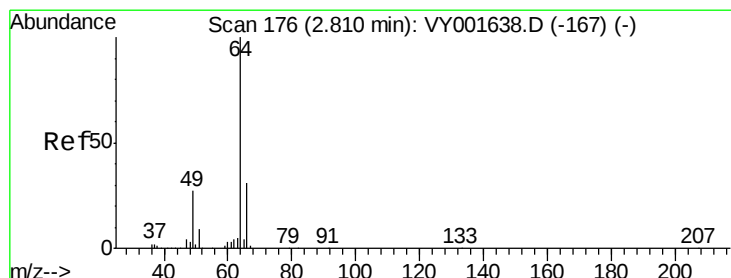
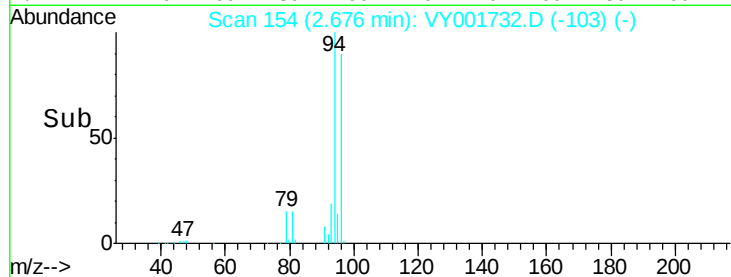
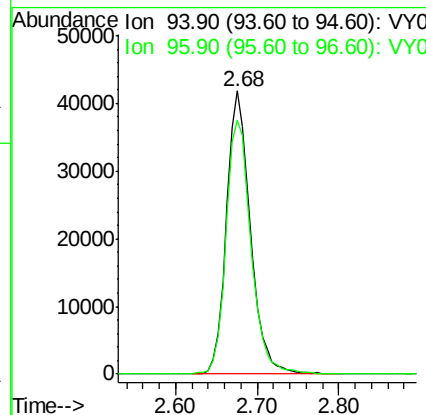
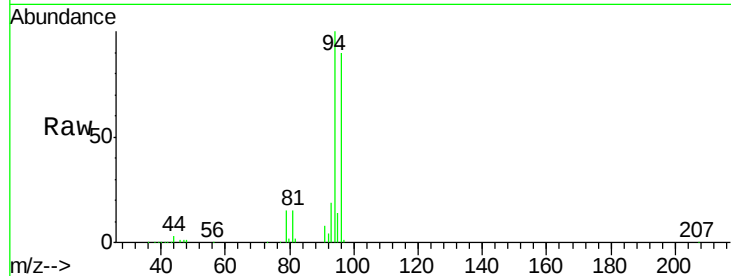
96 89.8 73.7 110.5

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#6

Chloroethane

Concen: 51.419 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.01 min

Lab File: VY001732.D

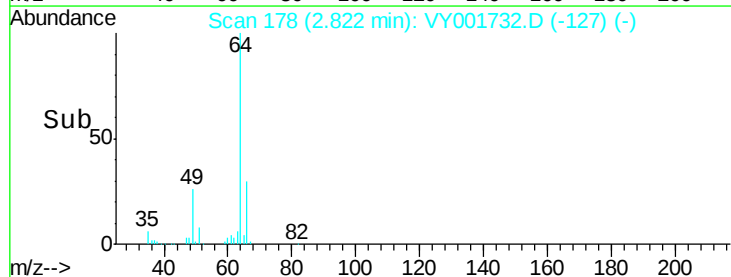
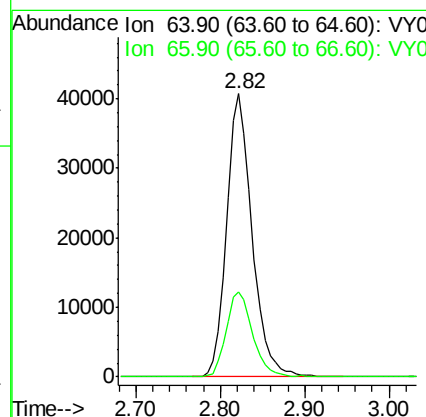
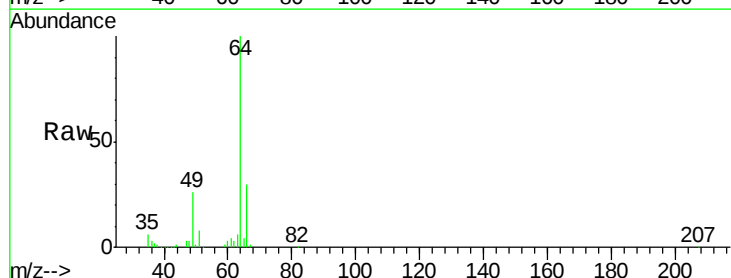
Acq: 21 Feb 2020 10:52

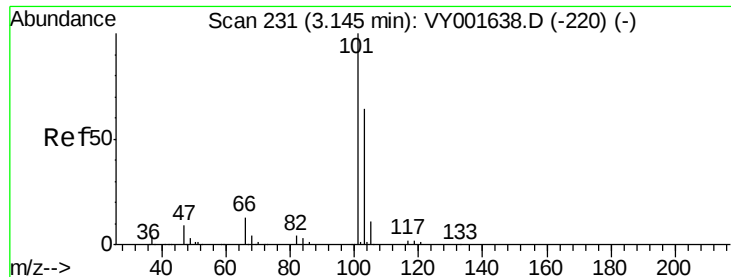
Tgt Ion: 64 Resp: 84224

Ion Ratio Lower Upper

64 100

66 30.1 25.5 38.3





#7

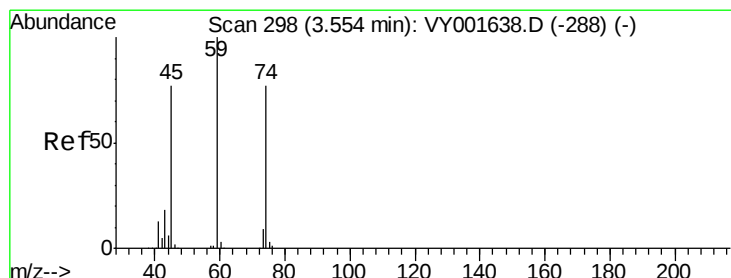
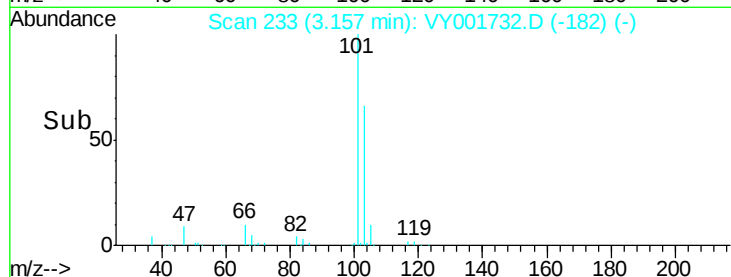
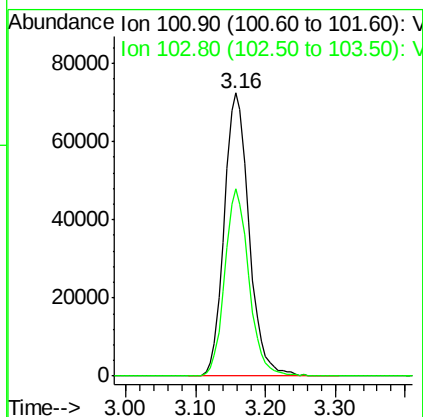
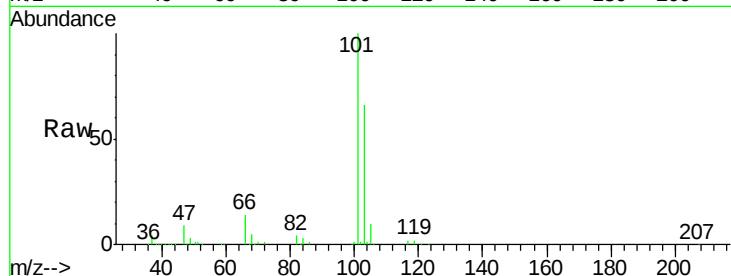
Trichlorofluoromethane
 Concen: 52.518 ug/l
 RT: 3.16 min Scan# 233
 Delta R.T. 0.01 min
 Lab File: VY001732.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	178668		
103	66.0	52.2	78.2	

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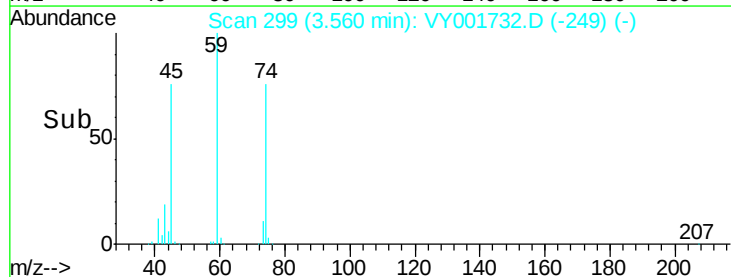
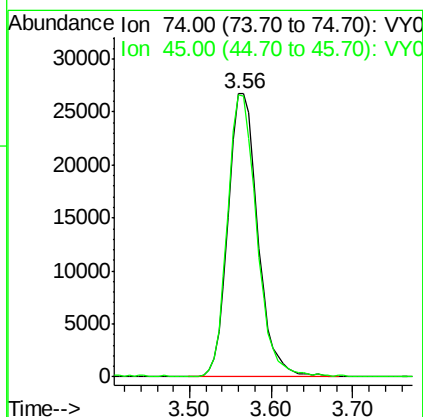
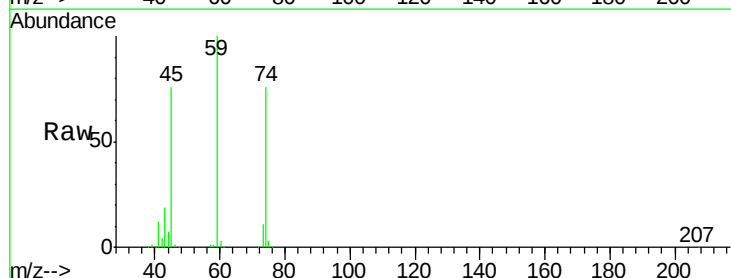
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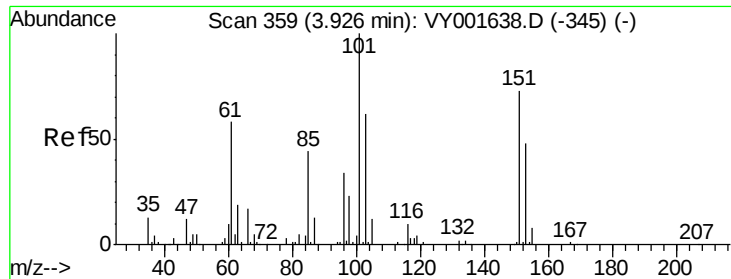


#8

Diethyl Ether
 Concen: 50.091 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VY001732.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	67179		
45	98.1	49.6	148.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.296 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

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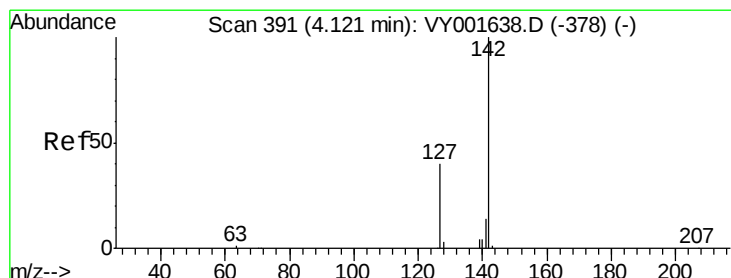
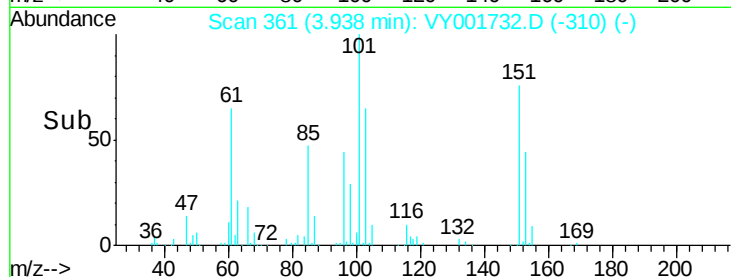
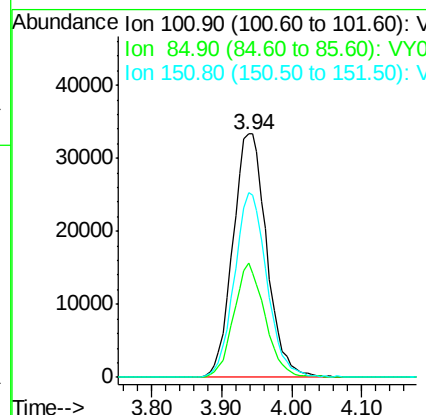
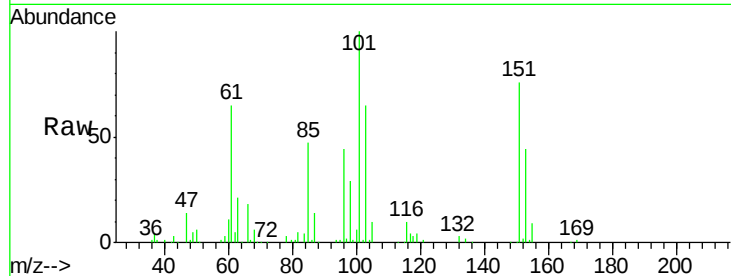
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	111825
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.1	52.7
151	73.3	58.4	87.6

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#10

Methyl Iodide

Concen: 52.313 ug/l

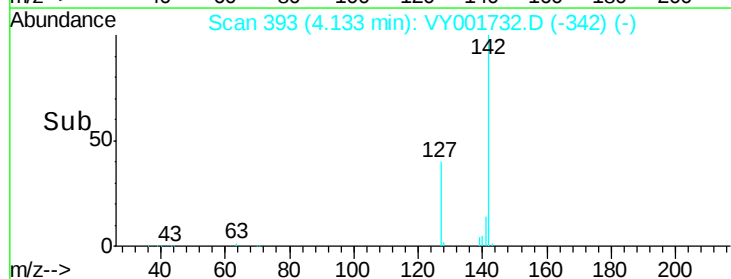
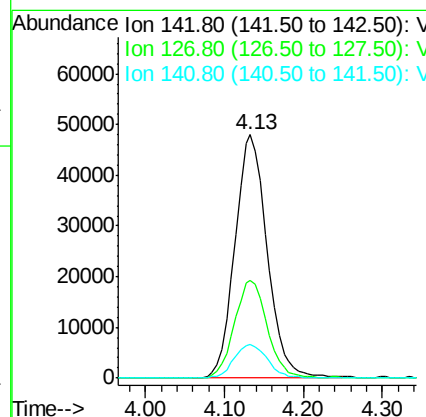
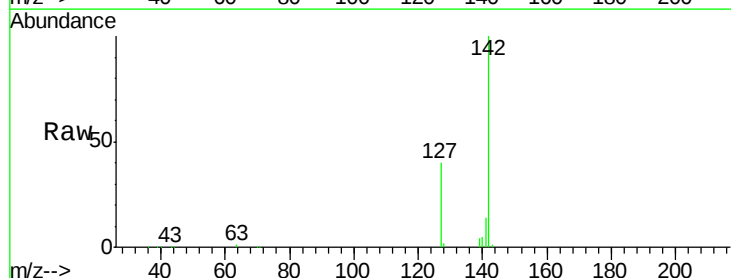
RT: 4.13 min Scan# 393

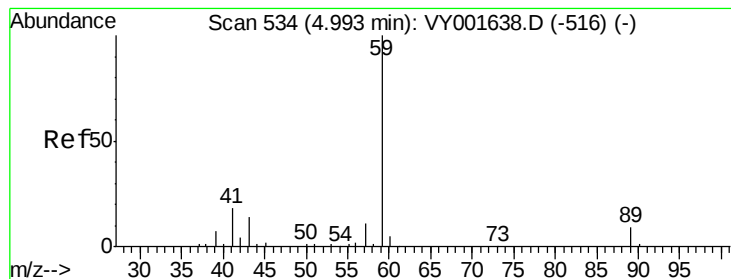
Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Tgt Ion:	142	Resp:	136904
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.1	48.1
141	14.5	11.3	16.9





#11

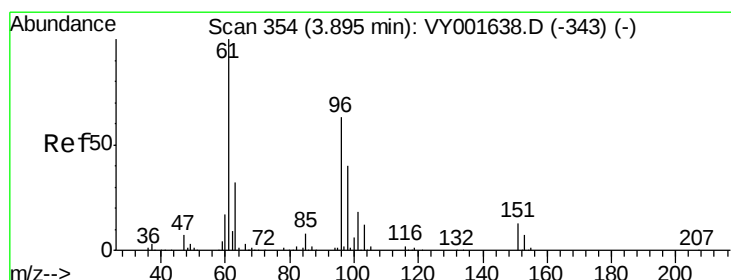
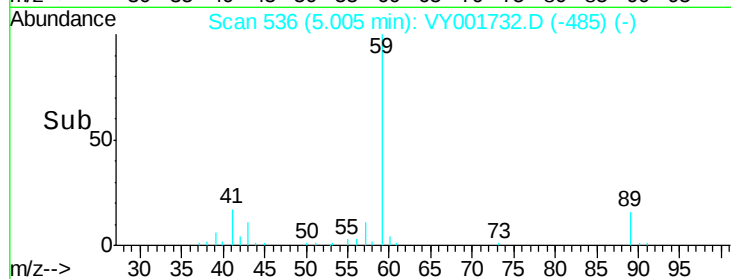
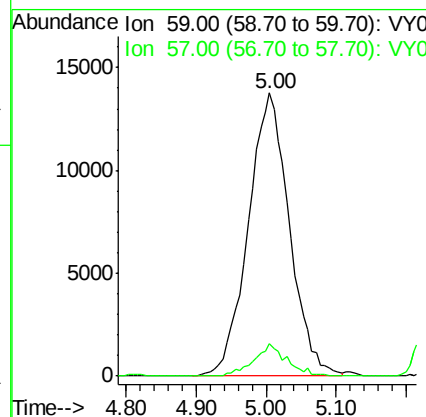
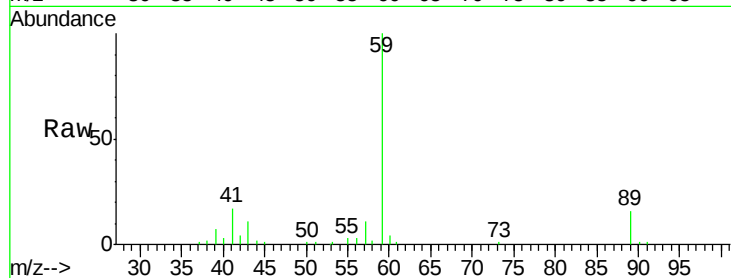
Tert butyl alcohol
Concen: 220.953 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	56080		
57	9.1		7.4	11.2

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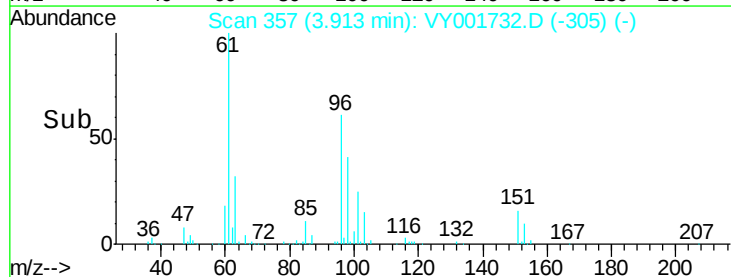
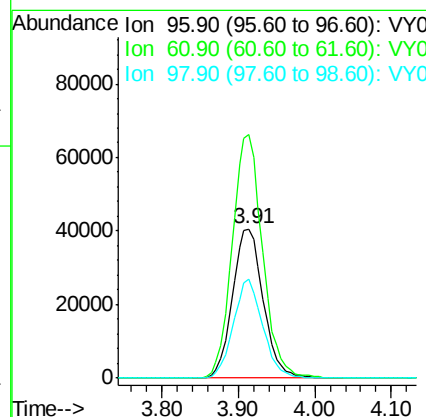
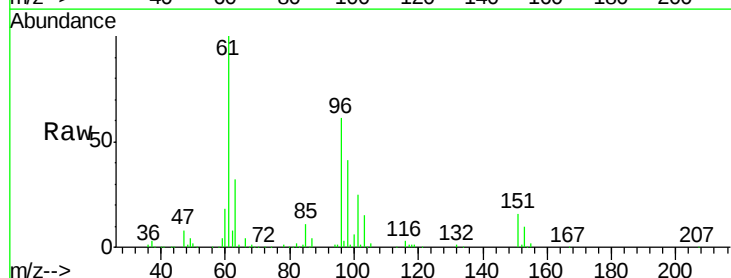
MMDadoda
2/24/2020 11:09:35 AM

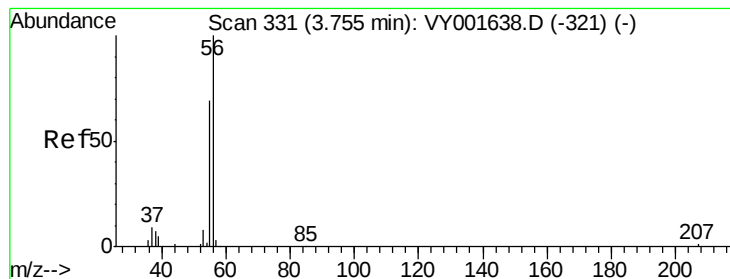


#12

1,1-Dichloroethene
Concen: 51.664 ug/l
RT: 3.91 min Scan# 357
Delta R.T. 0.02 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	112676		
61	163.0		128.7	193.1
98	66.1		50.7	76.1





#13

Acrolein

Concen: 263.720 ug/l

RT: 3.77 min Scan# 333

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 57586

Ion Ratio Lower Upper

56 100

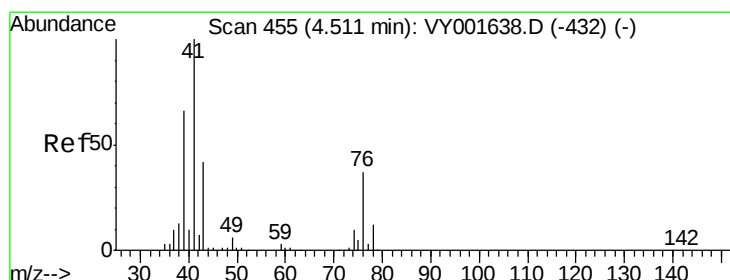
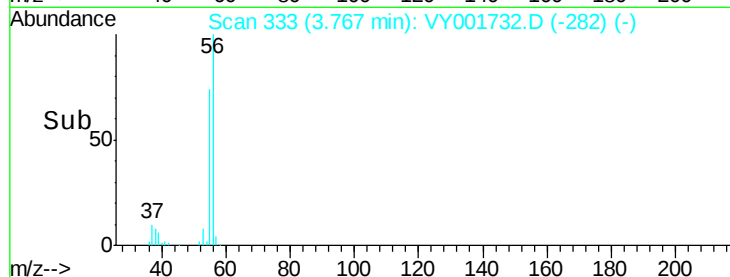
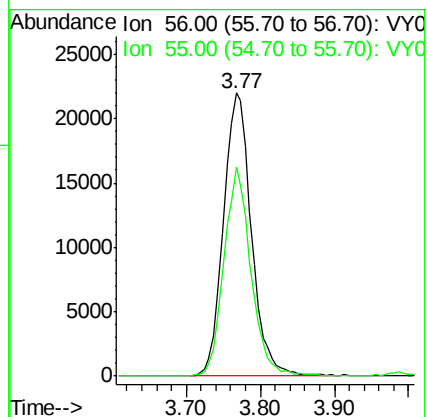
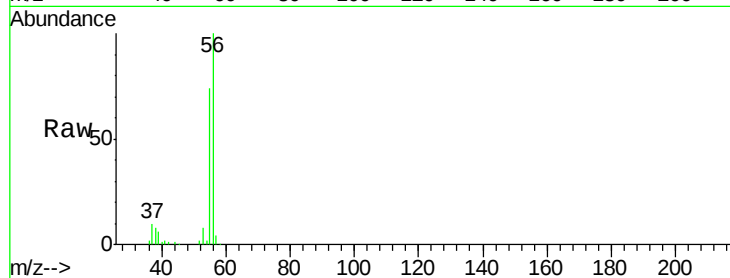
55 71.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 52.271 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

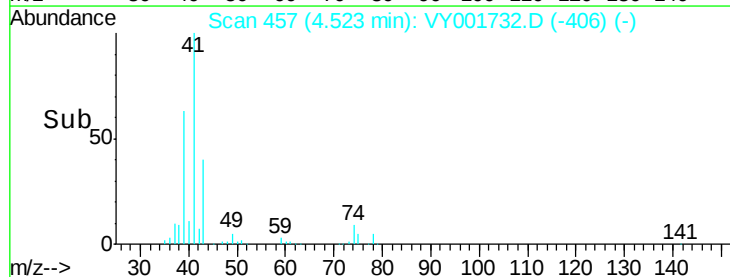
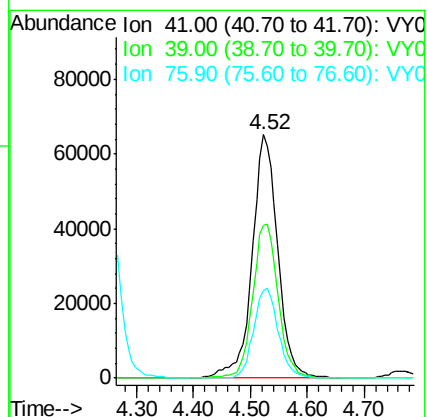
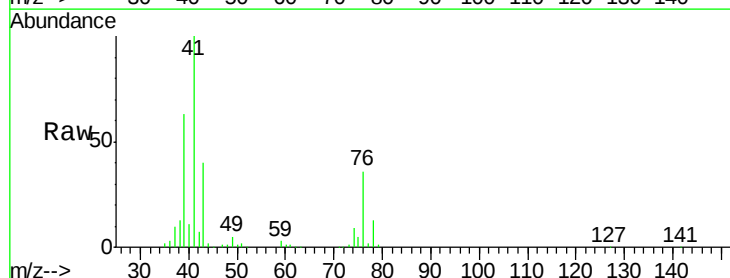
Tgt Ion: 41 Resp: 202886

Ion Ratio Lower Upper

41 100

39 63.0 49.4 74.0

76 35.4 29.0 43.6





#15

Acrylonitrile

Concen: 249.285 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

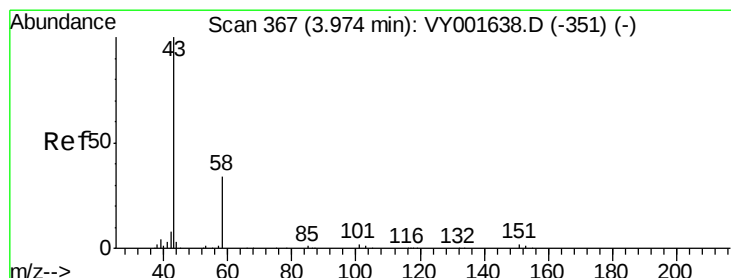
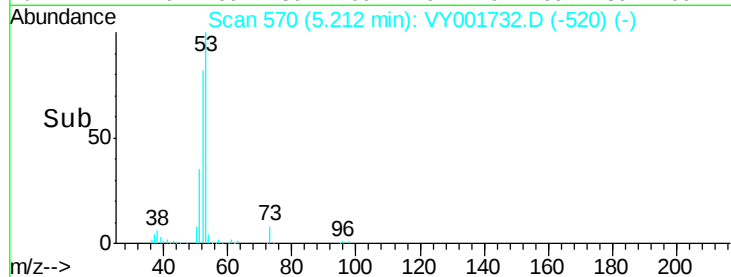
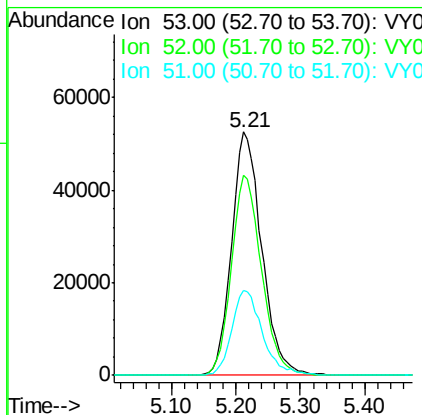
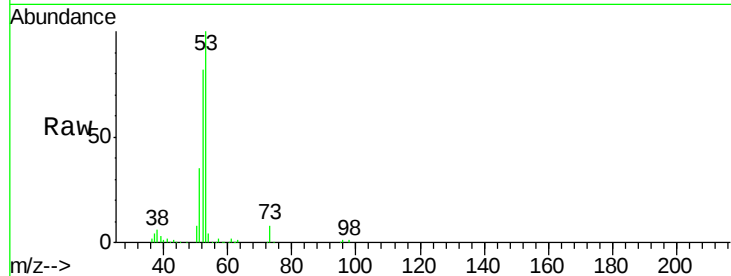
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	171368
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.4	98.0
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 261.047 ug/l

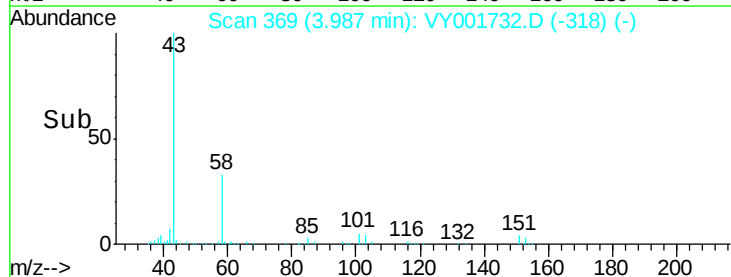
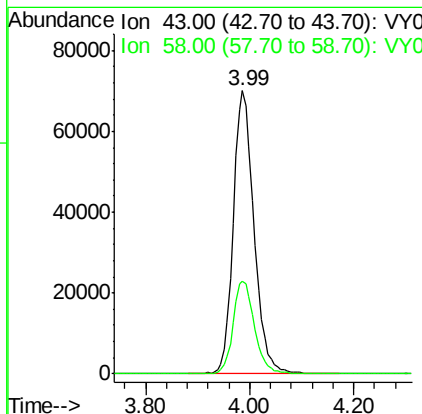
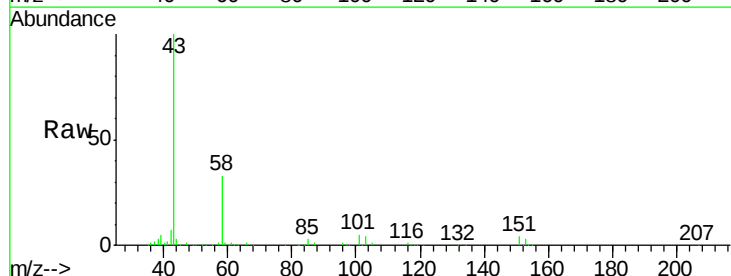
RT: 3.99 min Scan# 369

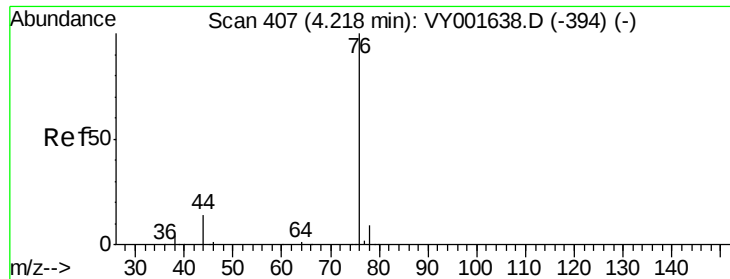
Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Tgt Ion:	43	Resp:	195291
Ion Ratio		Lower	Upper
43	100		
58	32.5	27.3	40.9





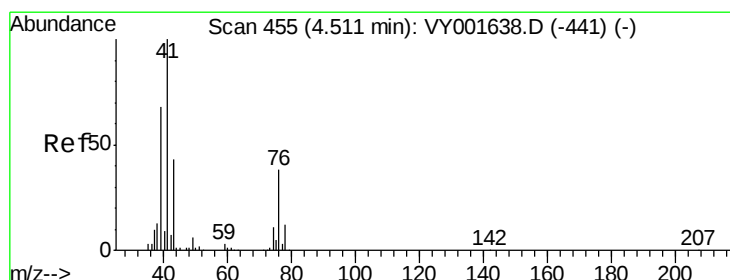
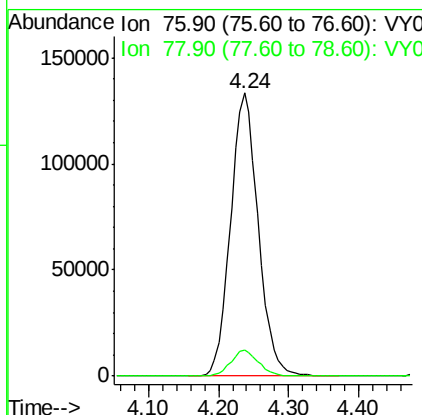
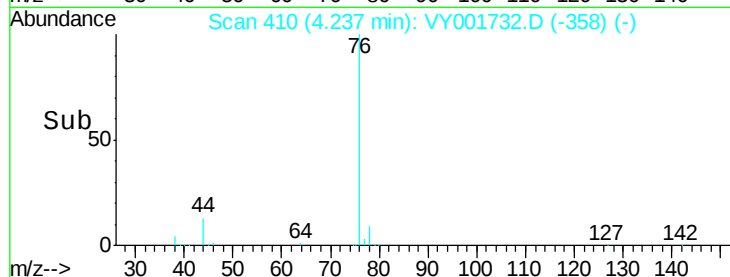
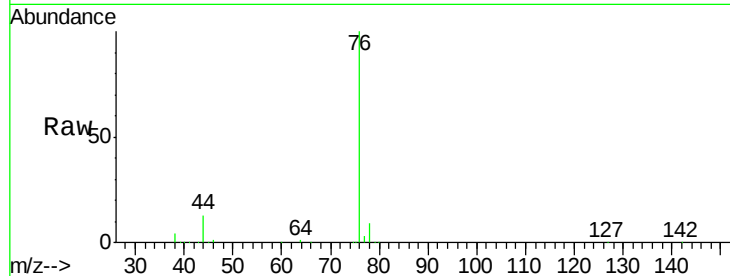
#17
Carbon Disulfide
Concen: 50.306 ug/l
RT: 4.24 min Scan# 410
Delta R.T. 0.02 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

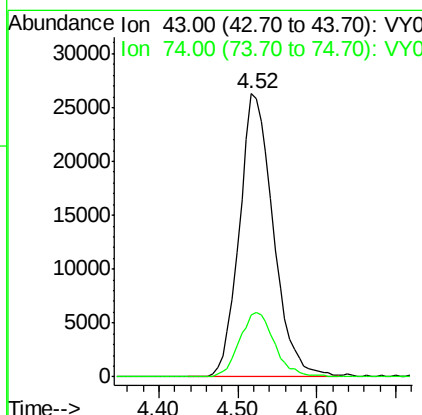
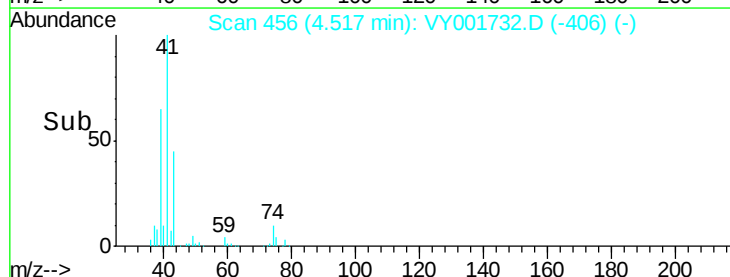
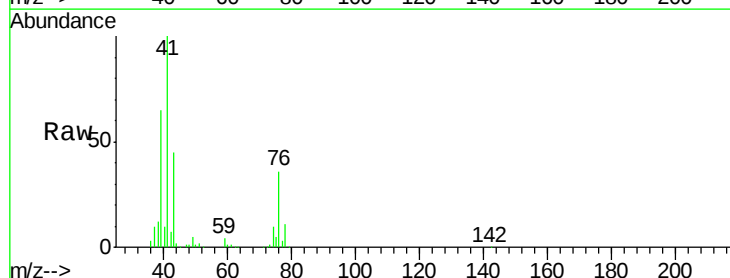
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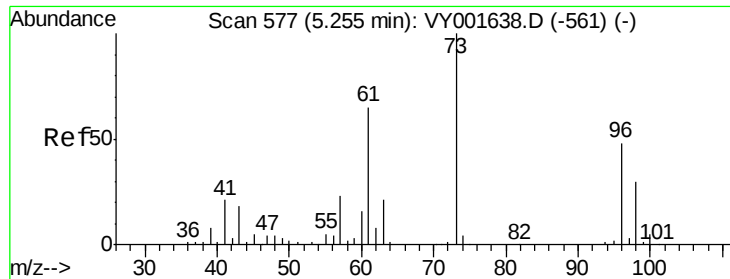
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#18
Methyl Acetate
Concen: 48.330 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.1	28.7





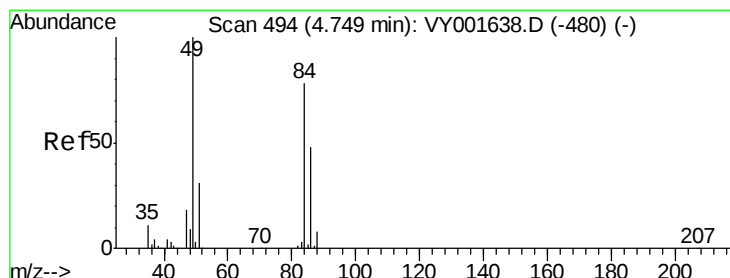
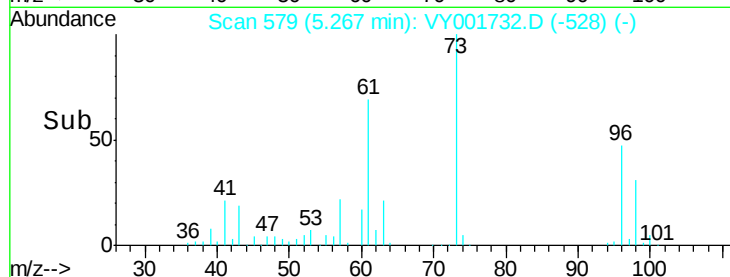
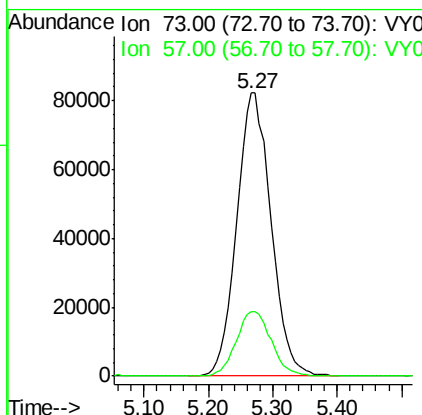
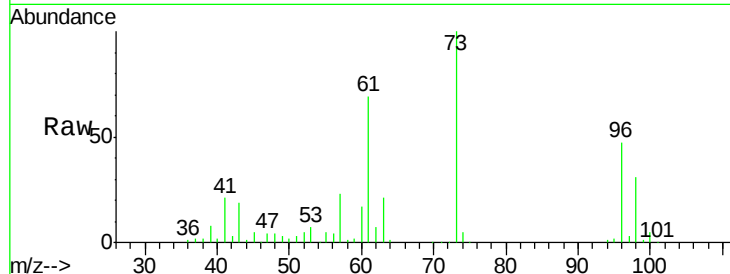
#19
Methvl tert-butvl Ether
Concen: 49.904 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.0	28.6

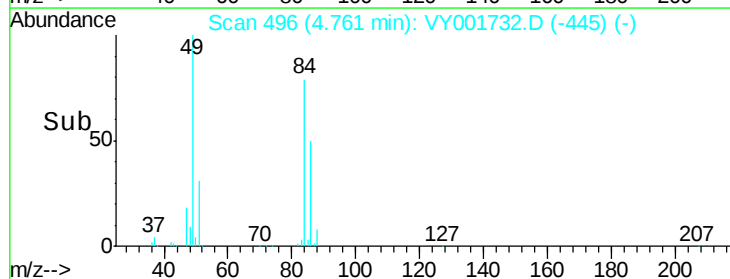
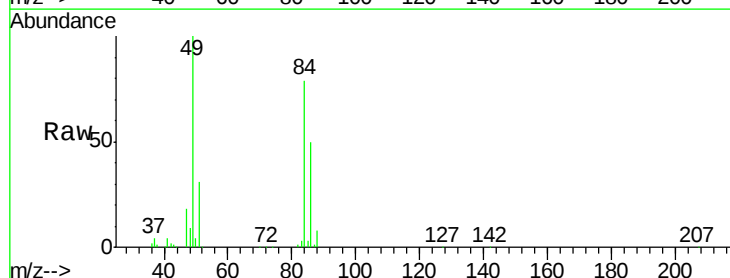
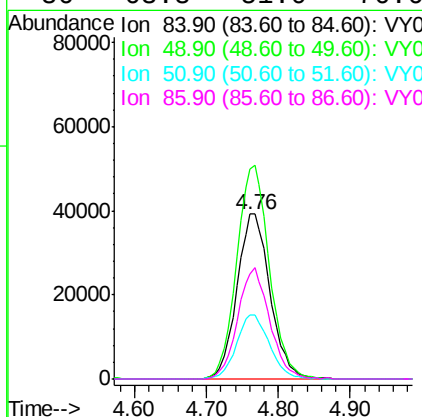
Manual Integrations
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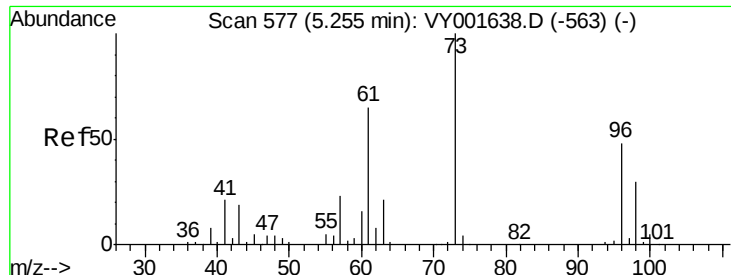
MMDadoda
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#20
Methylene Chloride
Concen: 47.109 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.2	99.2	148.8
51	38.9	31.5	47.3
86	63.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 50.089 ug/l

RT: 5.27 min Scan# 580

Delta R.T. 0.02 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 124637

Ion Ratio Lower Upper

96 100

61 142.5 107.9 161.9

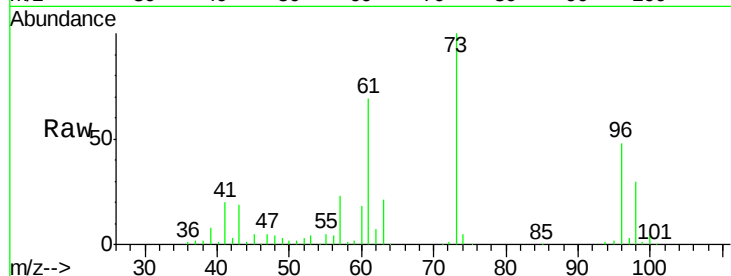
98 63.1 49.8 74.8

Manual Integrations

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MMDadoda

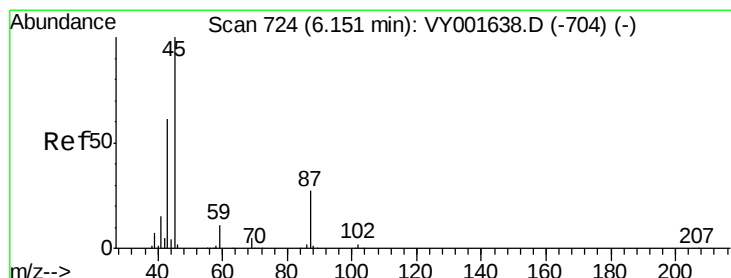
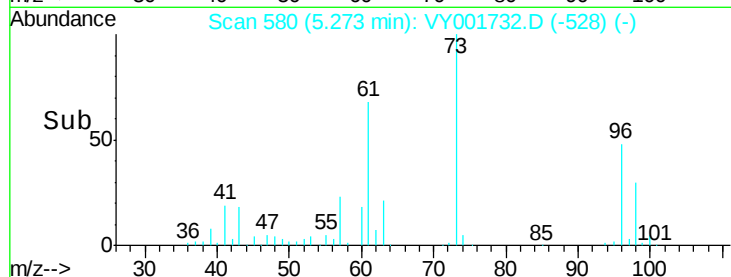
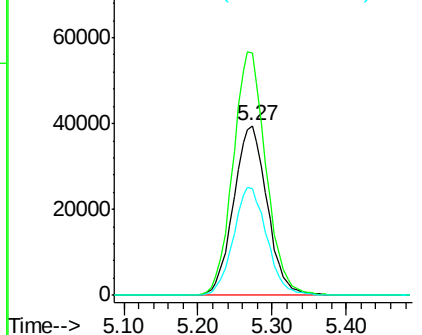
2/24/2020 11:09:35 AM



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 51.085 ug/l

RT: 6.16 min Scan# 726

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Tgt Ion: 45 Resp: 407197

Ion Ratio Lower Upper

45 100

43 59.1 46.4 69.6

87 26.3 22.1 33.1

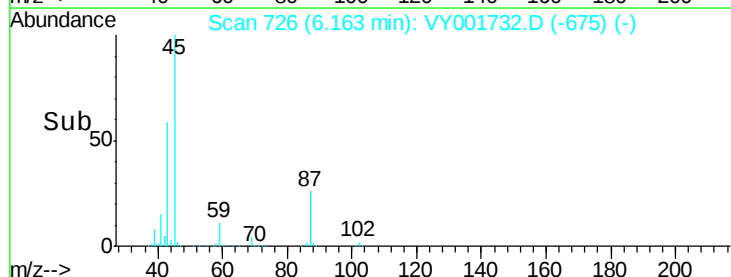
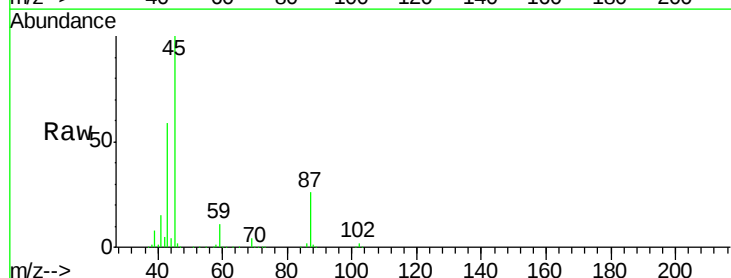
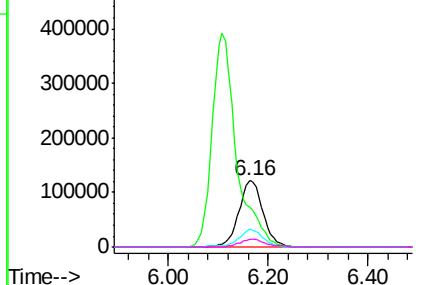
59 11.2 9.4 14.0

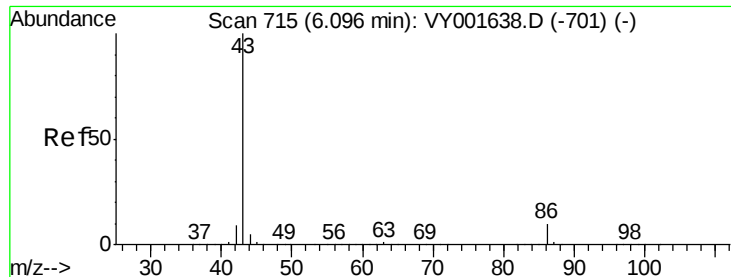
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





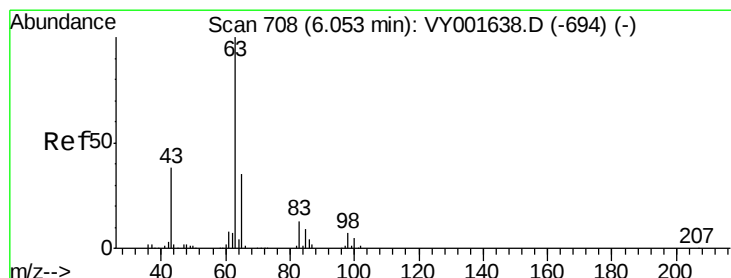
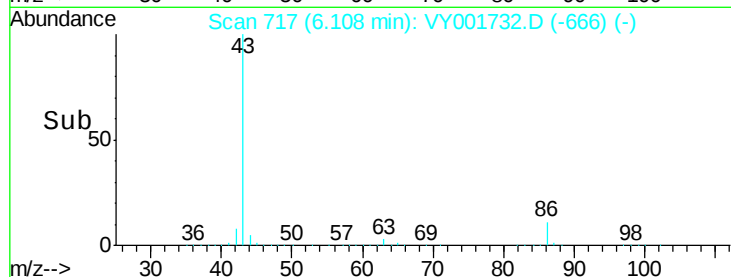
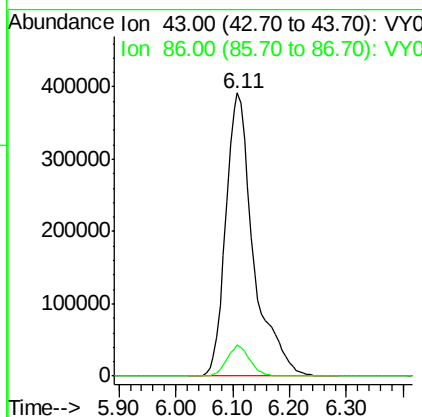
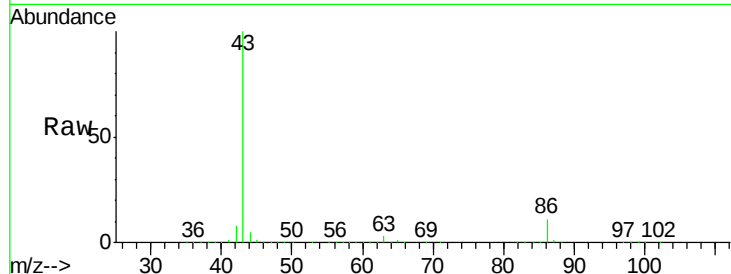
#23
 Vinyl Acetate
 Concen: 254.607 ug/l
 RT: 6.11 min Scan# 717
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1323806
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.8 13.2

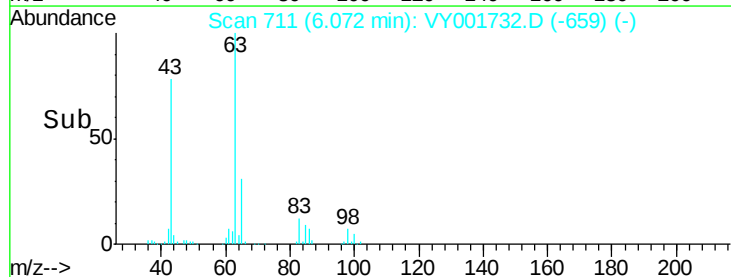
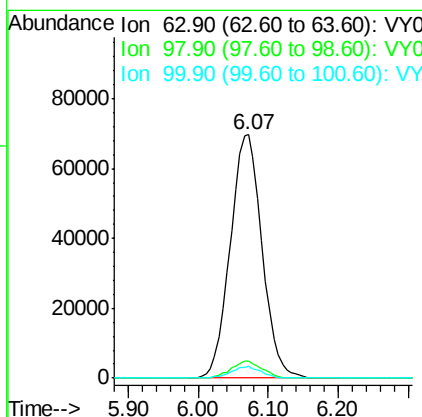
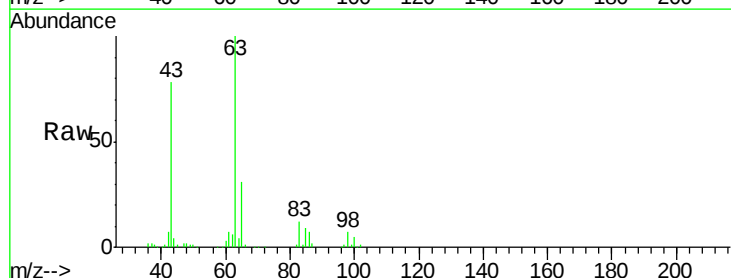
Manual Integrations
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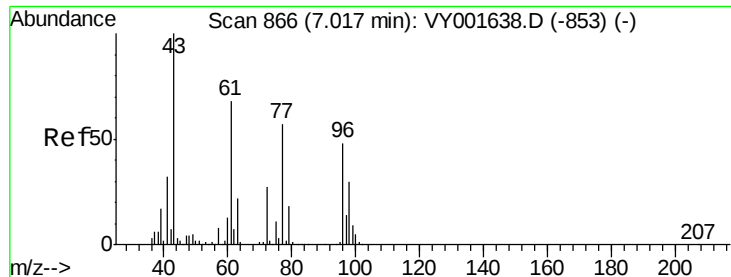
MMDadoda
 2/24/2020 11:09:35 AM



#24
 1,1-Dichloroethane
 Concen: 51.657 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. 0.02 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion: 63 Resp: 220072
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.8 2.3 6.9





#25

2-Butanone

Concen: 254.298 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 258437

Ion Ratio Lower Upper

43 100

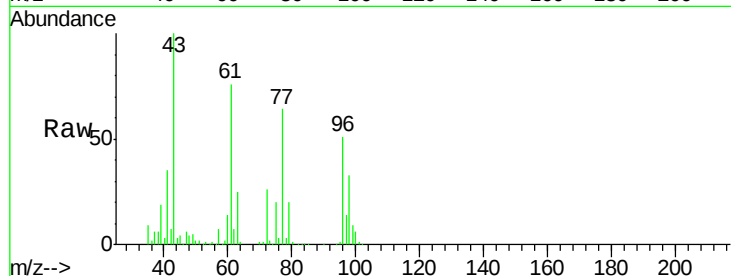
72 26.1 21.2 31.8

Manual Integrations

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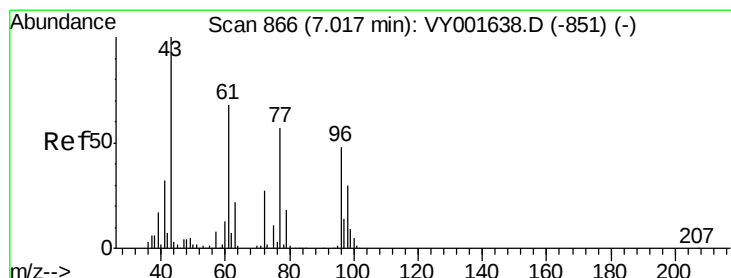
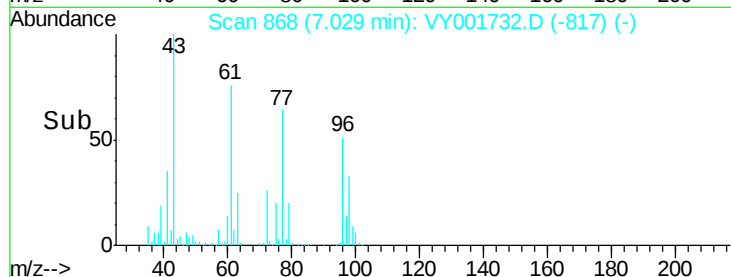
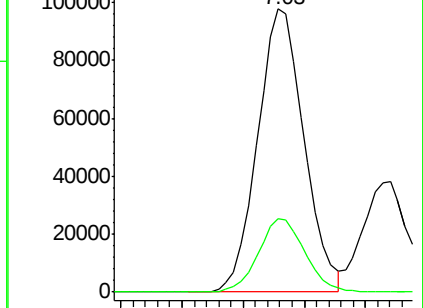
MMDadoda

2/24/2020 11:09:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 51.585 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001732.D

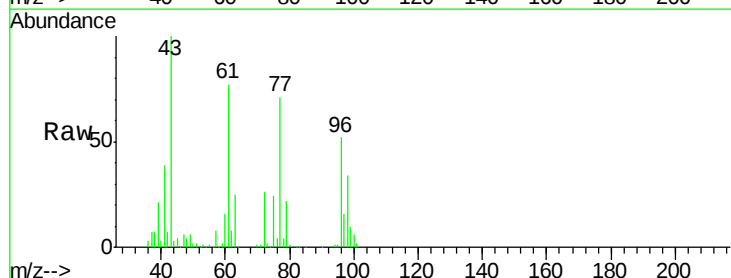
Acq: 21 Feb 2020 10:52

Tgt Ion: 77 Resp: 191202

Ion Ratio Lower Upper

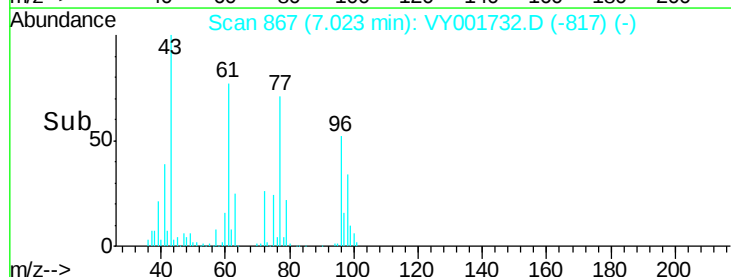
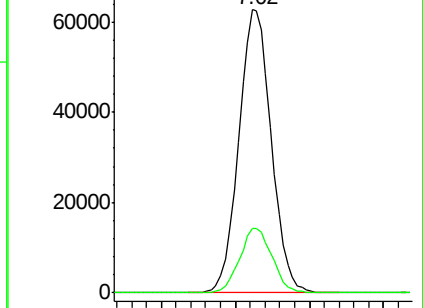
77 100

97 22.8 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

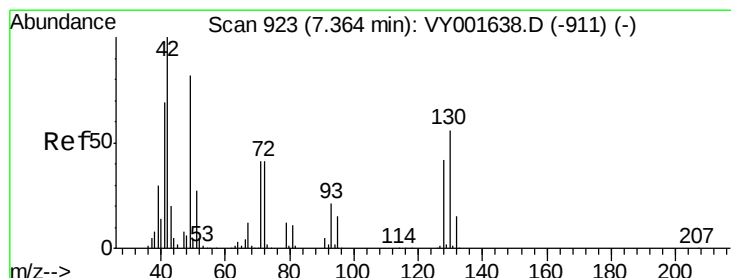
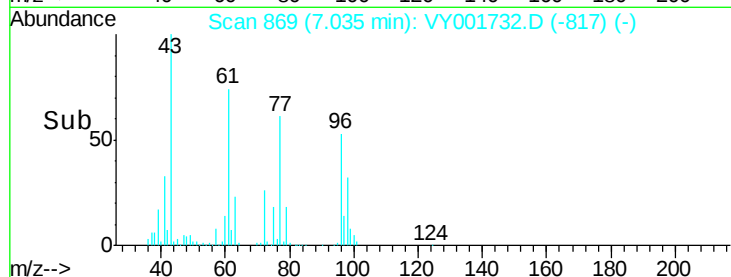
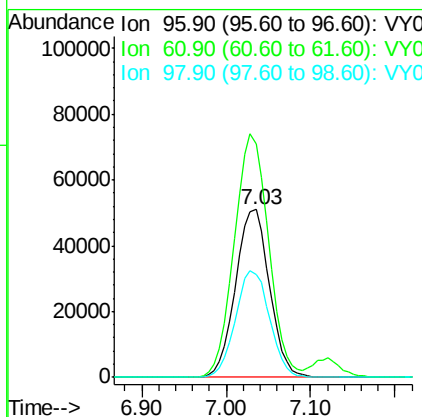
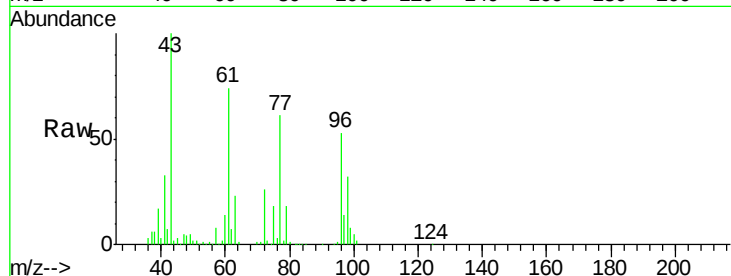
cis-1,2-Dichloroethene
Concen: 50.572 ug/l
RT: 7.03 min Scan# 869
Delta R.T. 0.02 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	138902		
61	147.2	0.0	290.8	
98	63.9	0.0	128.6	

Manual Integrations
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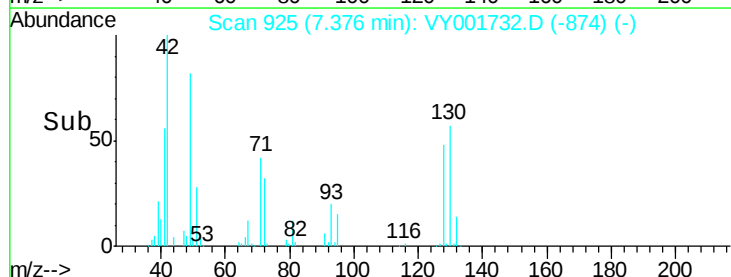
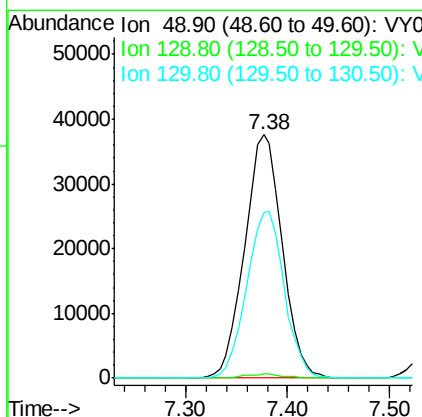
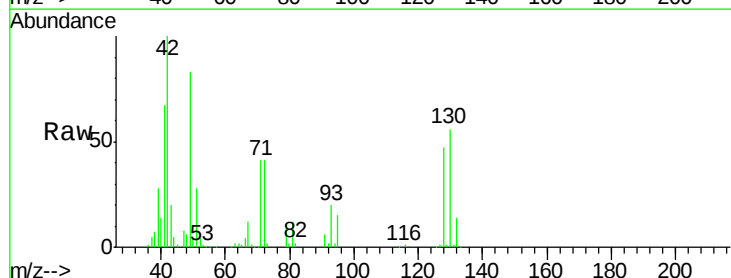
MMDadoda
2/24/2020 11:09:35 AM

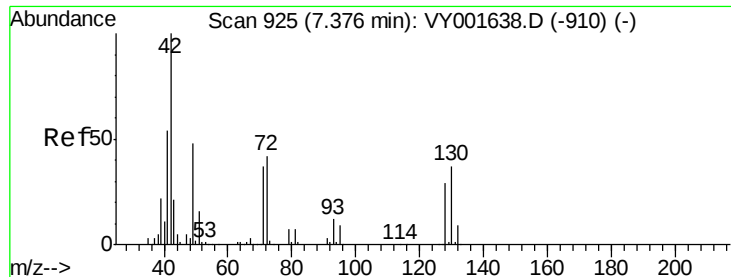


#28

Bromochloromethane
Concen: 54.285 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	96339		
129	1.8	0.0	3.6	
130	68.3	56.2	84.4	





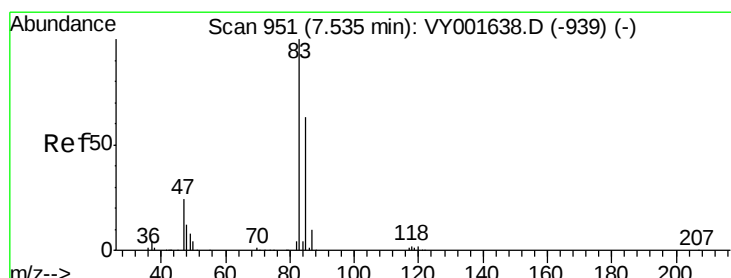
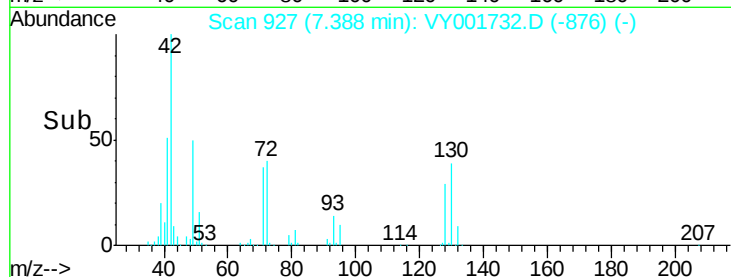
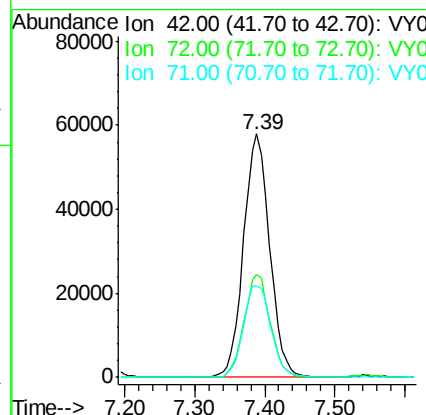
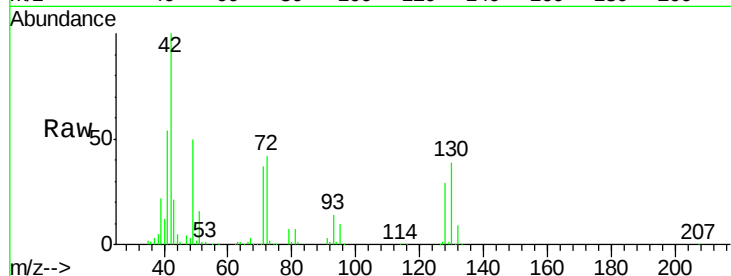
#29
Tetrahydrofuran
Concen: 245.137 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.4	51.6
71	39.7	31.8	47.8

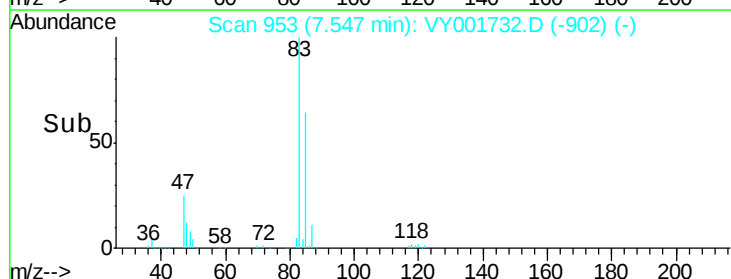
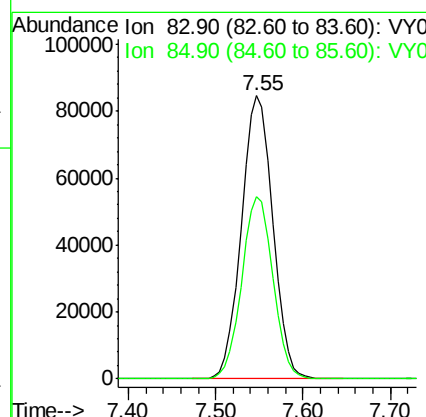
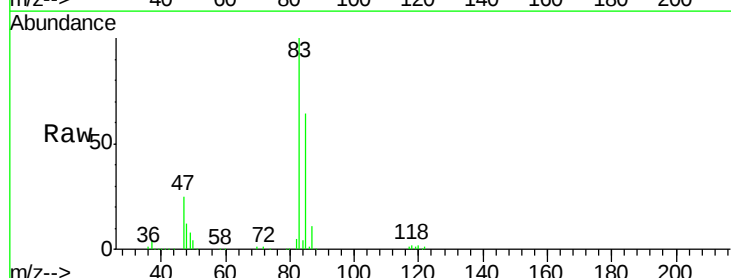
Manual Integrations
APPROVED

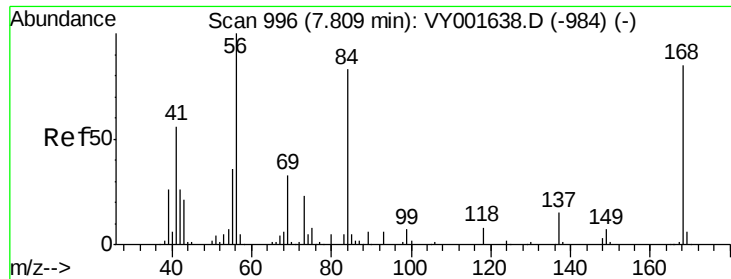
MMDadoda
2/24/2020 11:09:35 AM



#30
Chloroform
Concen: 50.674 ug/l
RT: 7.55 min Scan# 953
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.6	77.4





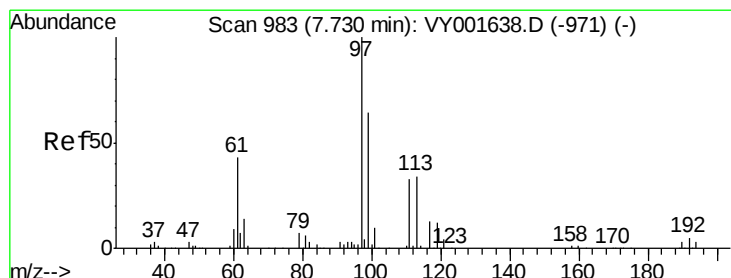
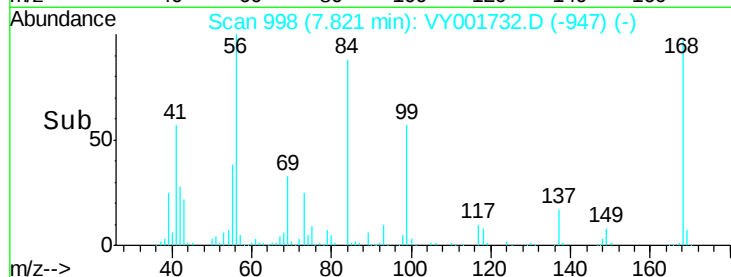
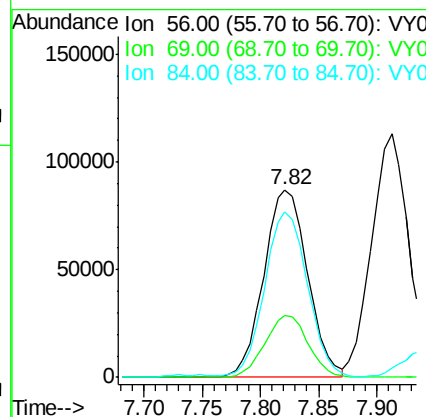
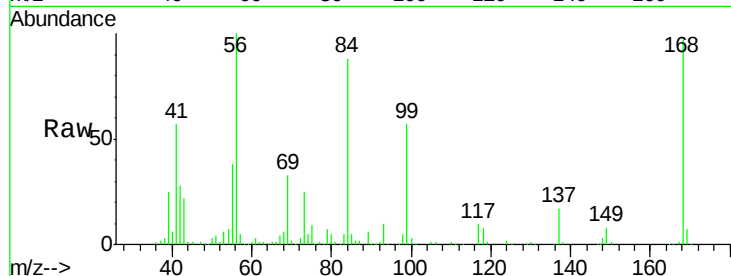
#31
Cyclohexane
Concen: 49.860 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.1	37.7
84	87.1	66.9	100.3

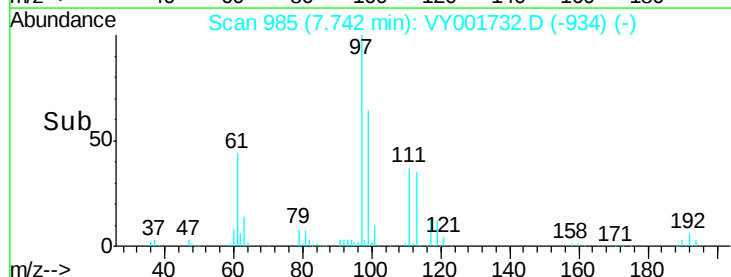
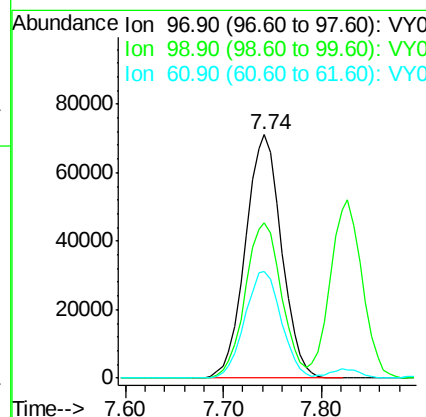
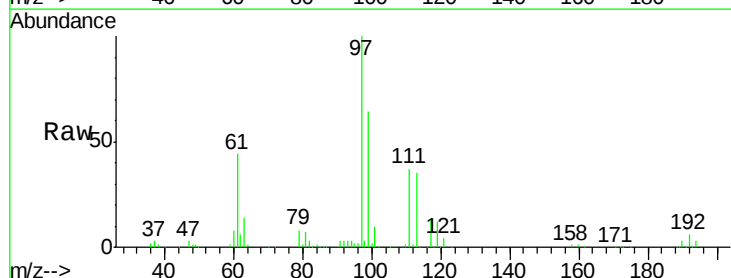
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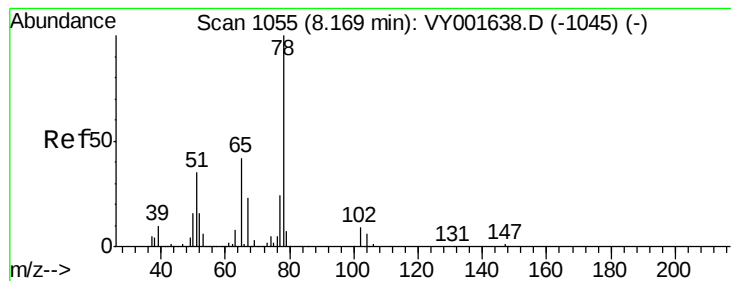
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.970 ug/l
RT: 7.74 min Scan# 985
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	44.2	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 46.316 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 100140

Ion Ratio Lower Upper

65 100

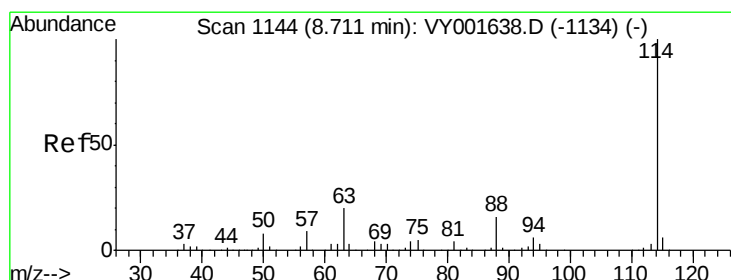
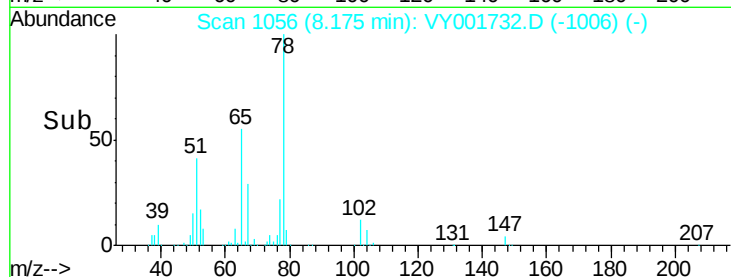
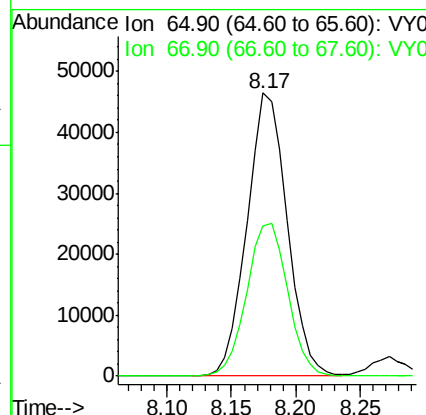
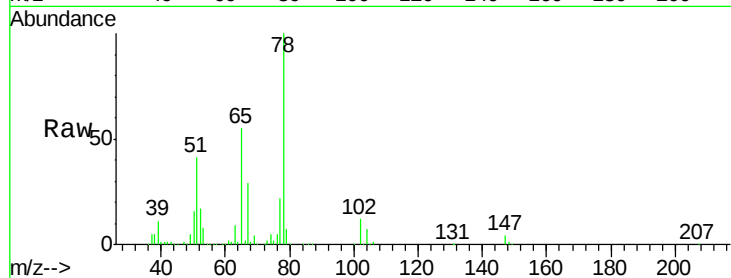
67 55.2 0.0 111.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

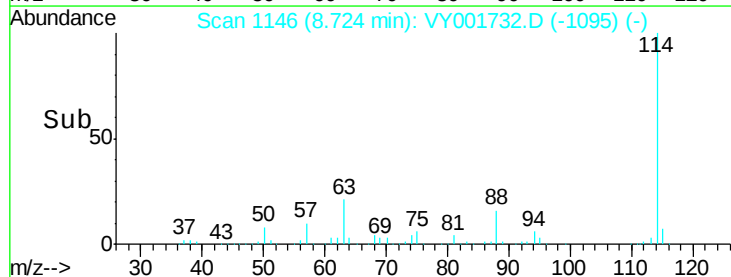
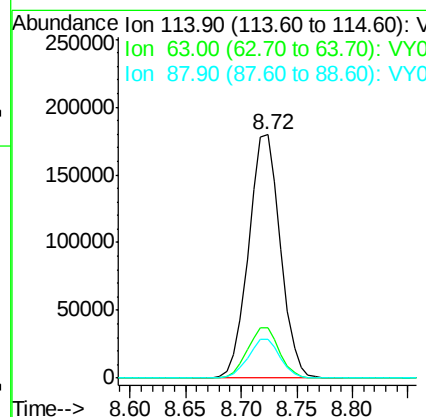
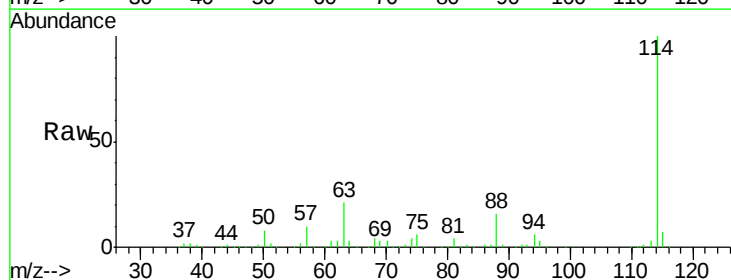
Tgt Ion: 114 Resp: 356393

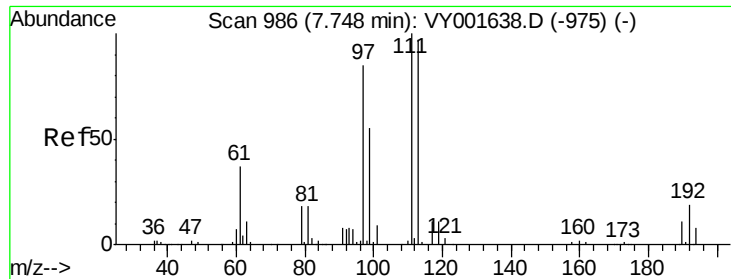
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

88 15.8 0.0 32.8





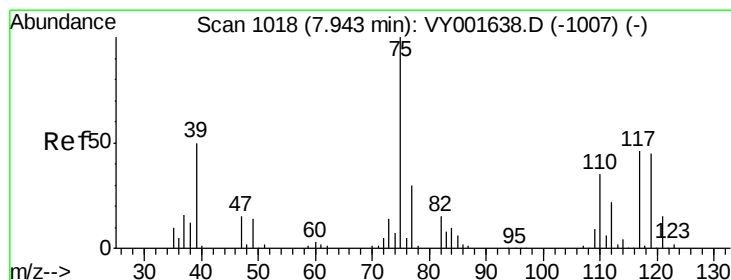
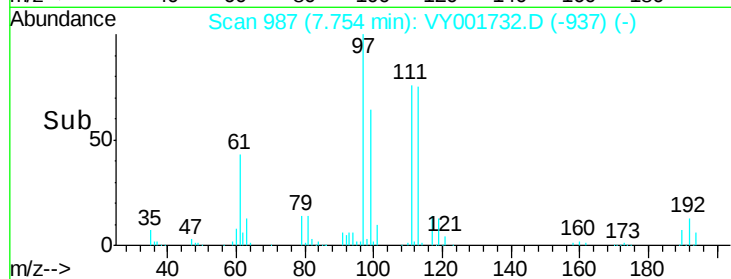
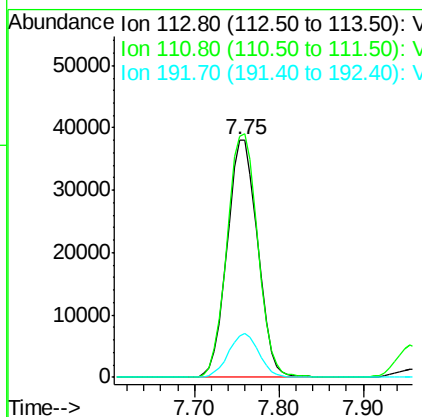
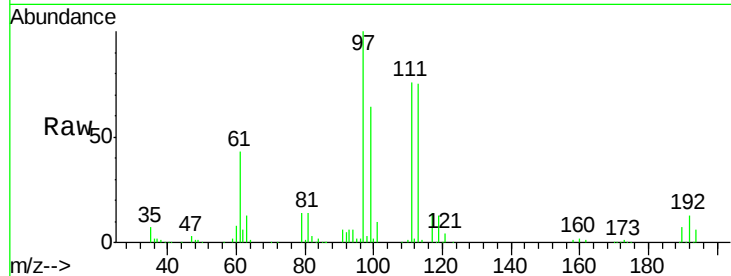
#35
 Dibromofluoromethane
 Concen: 45.847 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	18.3	14.3	21.5

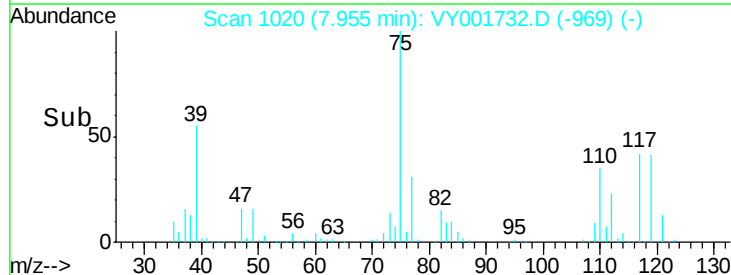
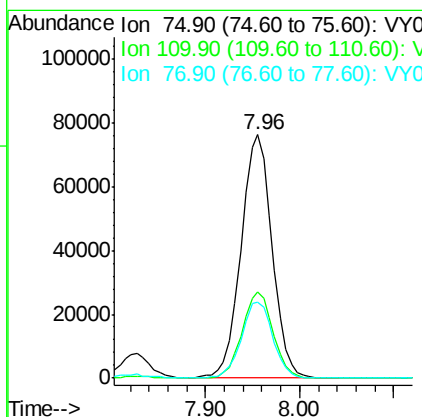
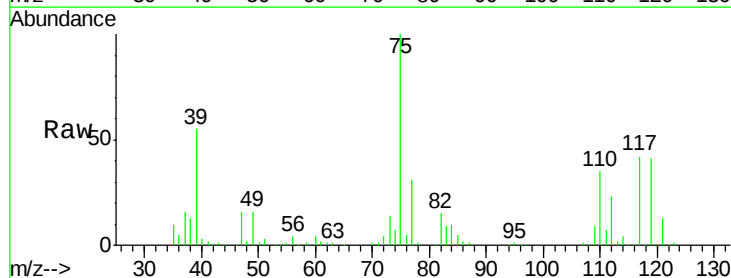
Manual Integrations
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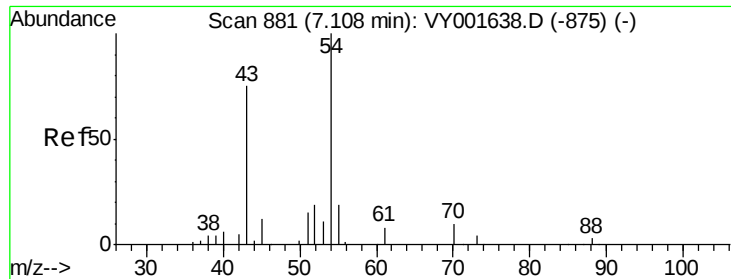
MMDadoda
 2/24/2020 11:09:35 AM



#36
 1,1-Dichloropropene
 Concen: 51.612 ug/l
 RT: 7.96 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	31.8	24.8	37.2





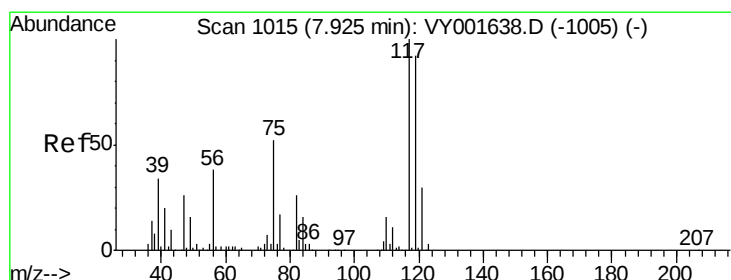
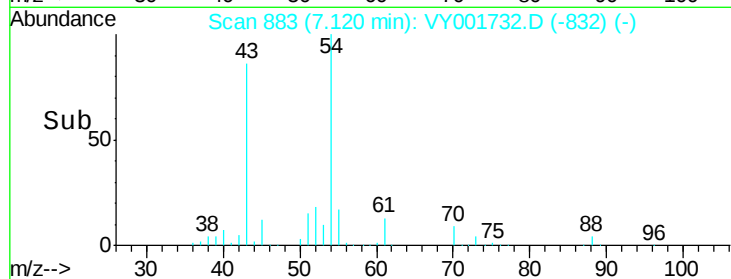
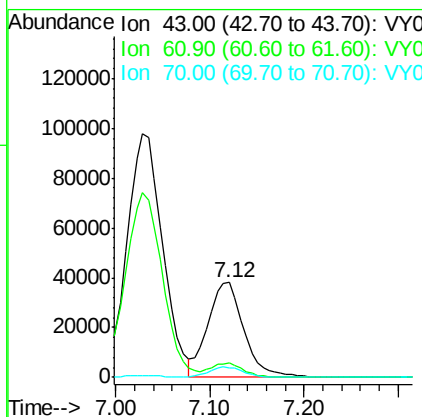
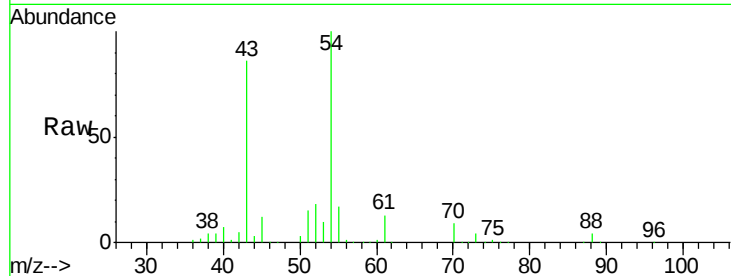
#37
Ethyl Acetate
Concen: 49.475 ug/l
RT: 7.12 min Scan# 883
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.6
70	10.4	8.8	13.2

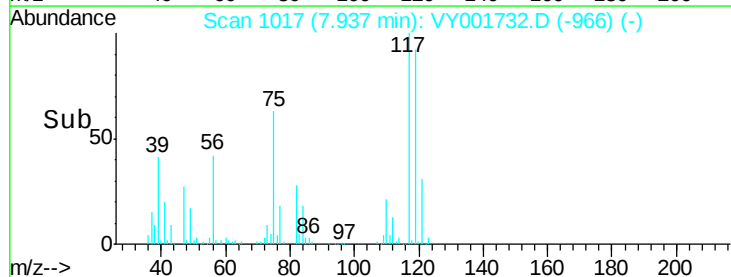
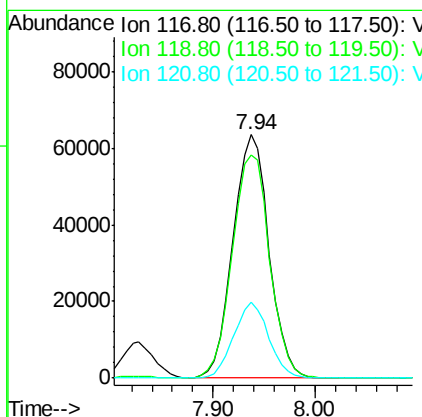
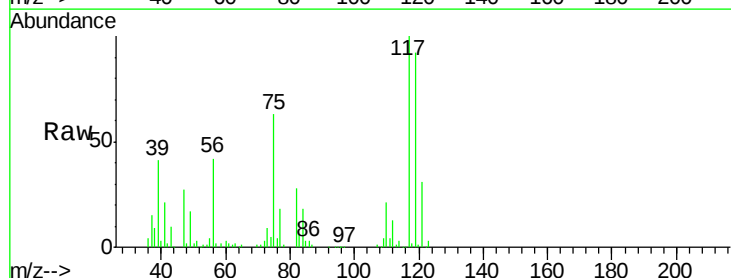
Manual Integrations
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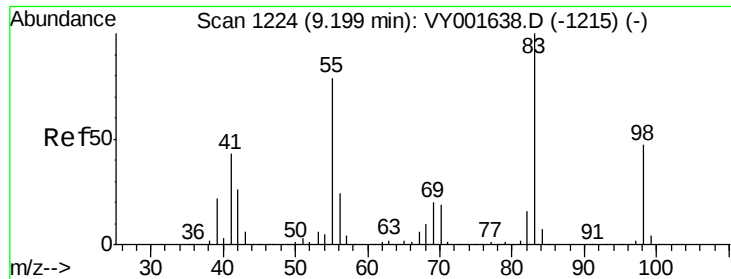
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#38
Carbon Tetrachloride
Concen: 51.990 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	74.8	112.2
121	31.4	23.8	35.6





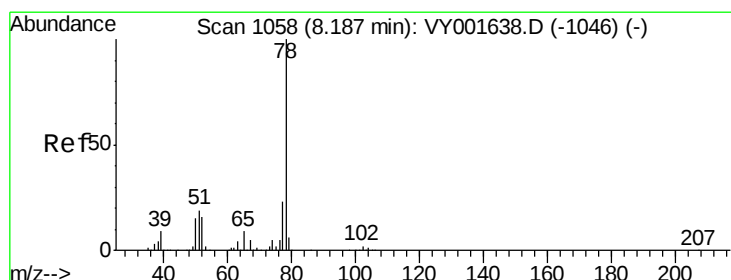
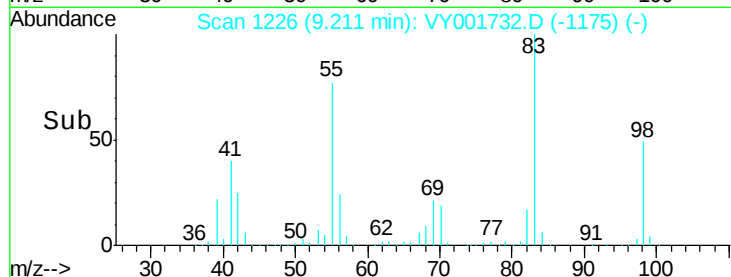
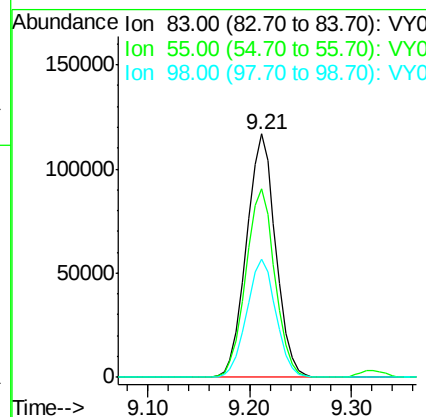
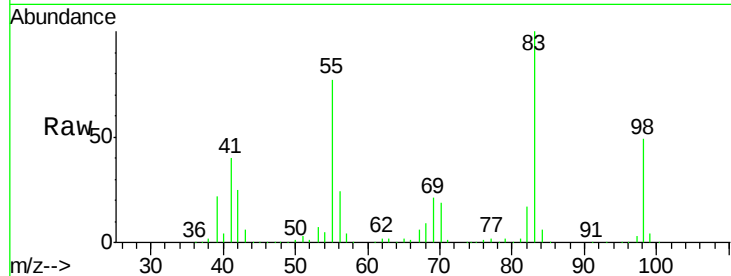
#39
Methvlcvclohexane
Concen: 51.381 ug/l
RT: 9.21 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.3	91.9
98	48.7	38.0	57.0

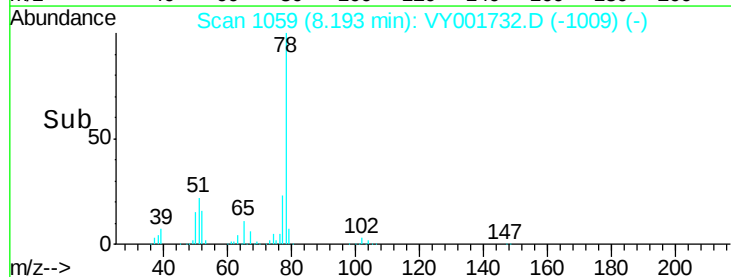
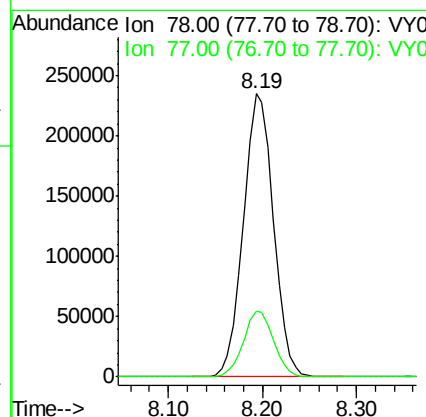
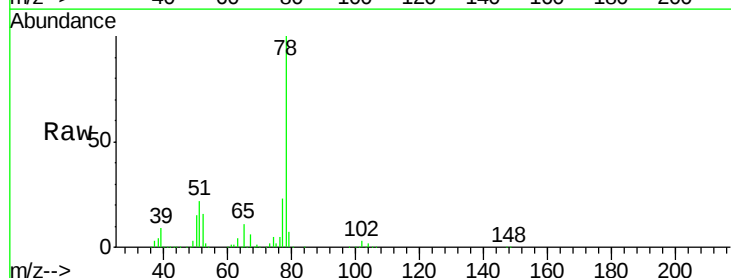
Manual Integrations
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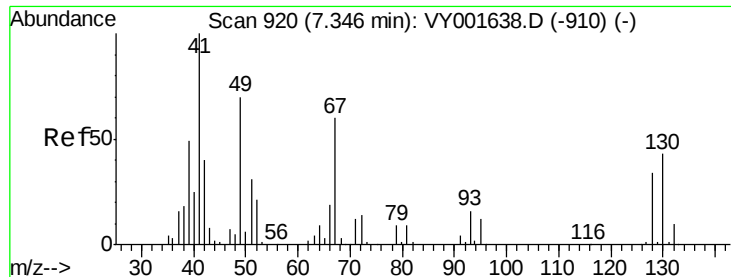
MMDadoda
2/24/2020 11:09:35 AM



#40
Benzene
Concen: 51.944 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.4





#41

Methacrylonitrile

Concen: 55.690 ug/l m

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 56815

Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

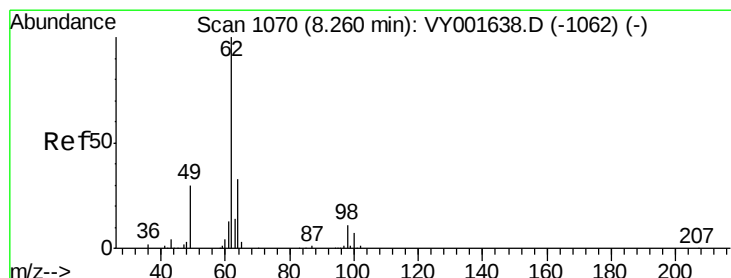
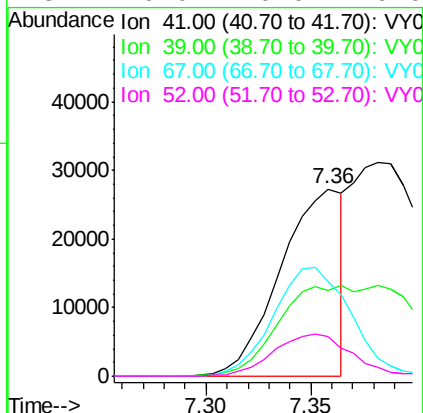
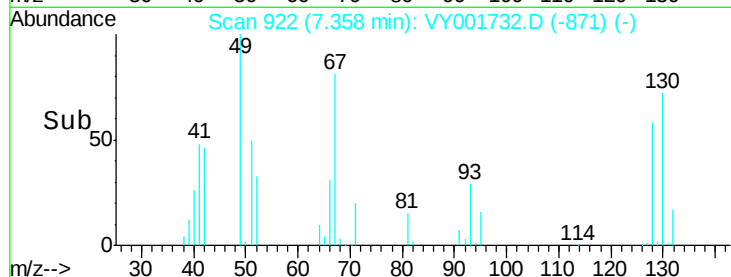
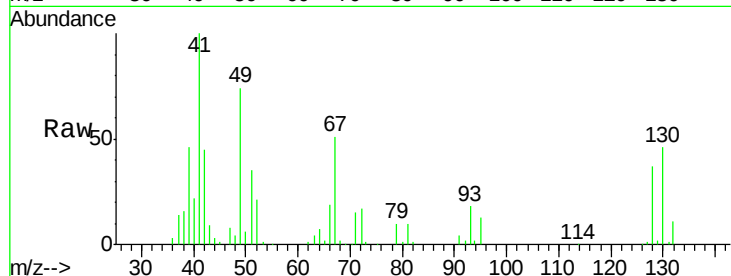
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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2/24/2020 11:09:35 AM



#42

1,2-Dichloroethane

Concen: 50.388 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VY001732.D

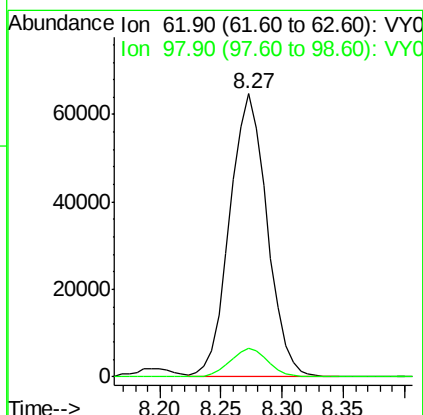
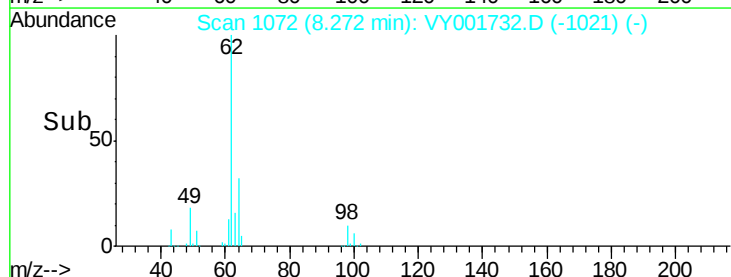
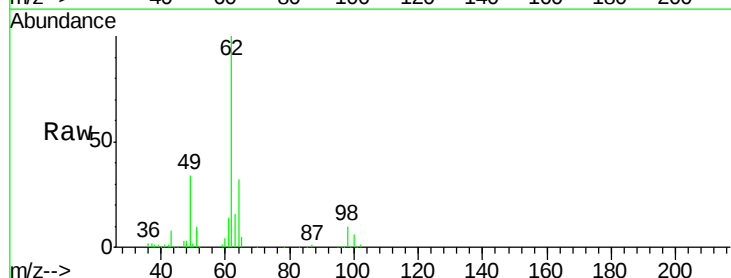
Acq: 21 Feb 2020 10:52

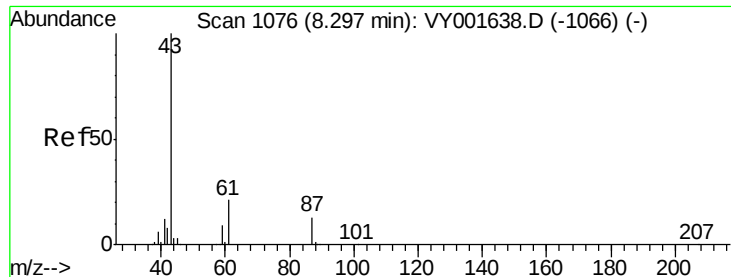
Tgt Ion: 62 Resp: 137437

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.8





#43

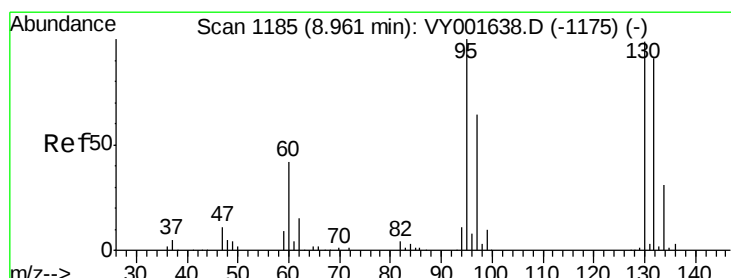
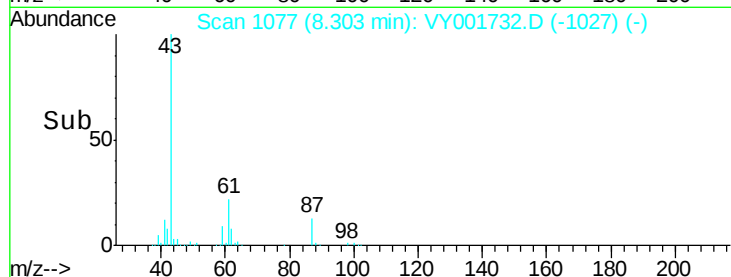
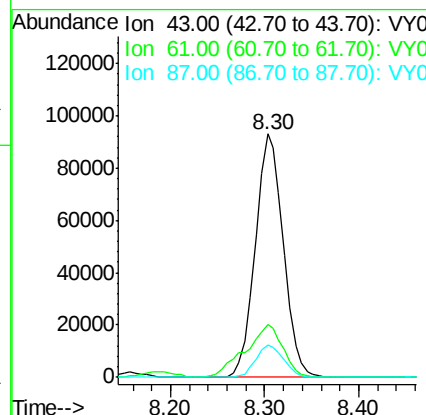
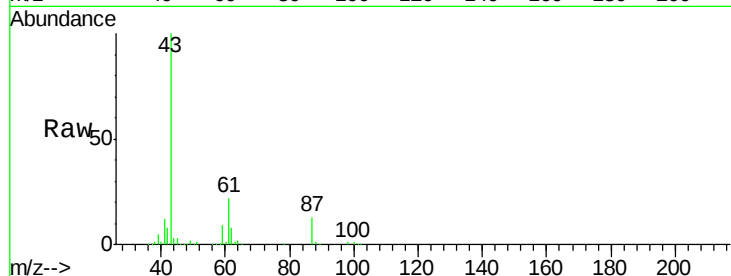
Isopropyl Acetate
 Concen: 50.536 ug/l
 RT: 8.30 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.0	34.4
87	13.3	10.7	16.1

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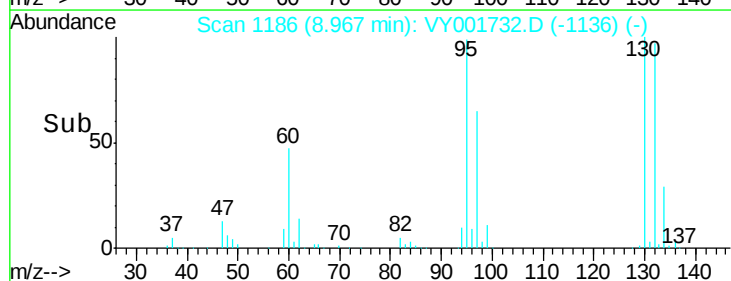
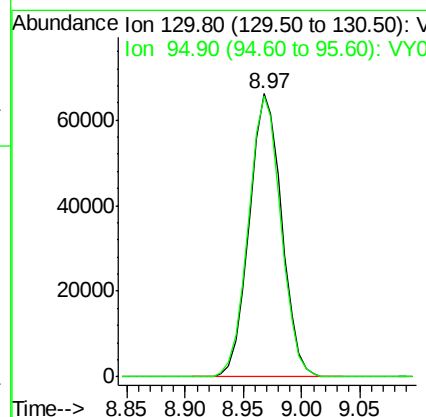
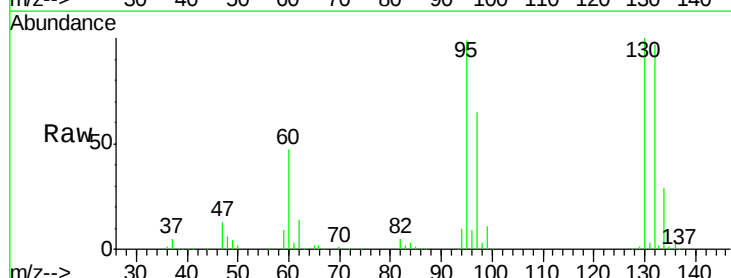
MMDadoda
 2/24/2020 11:09:35 AM

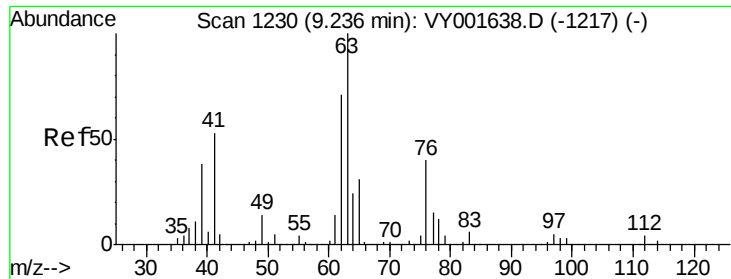


#44

Trichloroethene
 Concen: 51.384 ug/l
 RT: 8.97 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	200.6





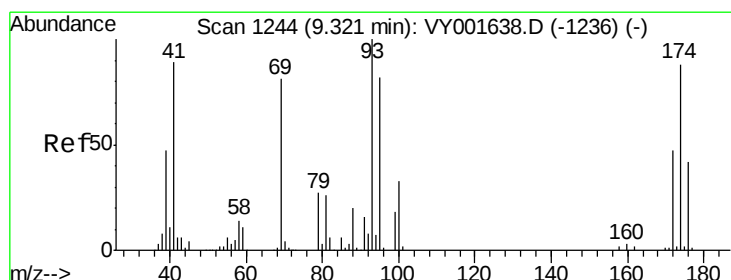
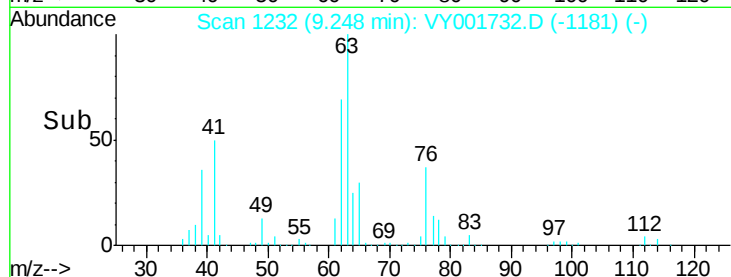
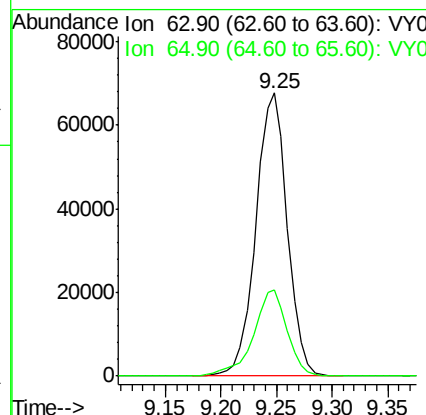
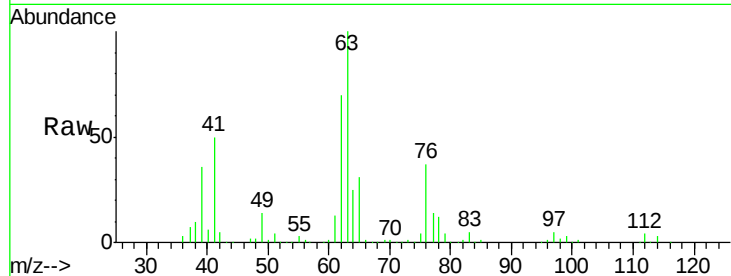
#45
 1,2-Dichloropropane
 Concen: 53.012 ug/l
 RT: 9.25 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 132923
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0

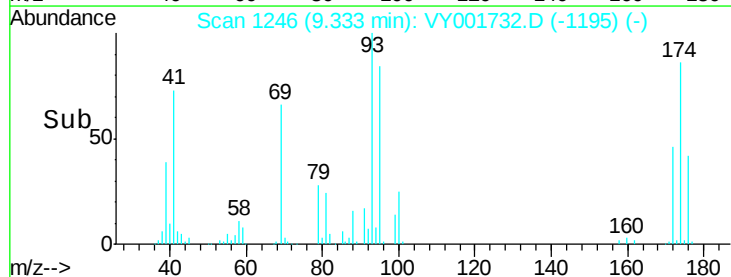
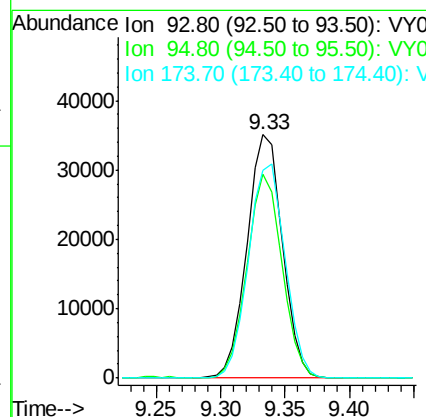
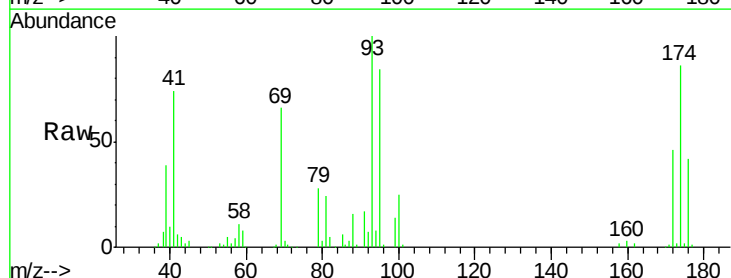
Manual Integrations
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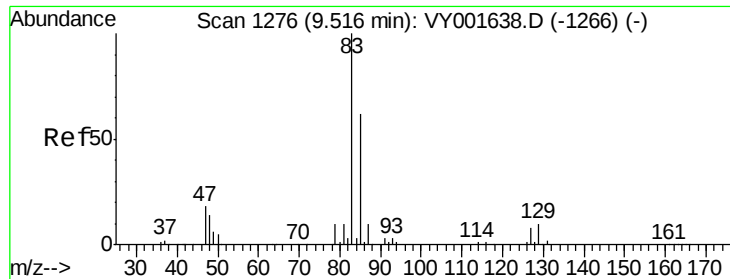
MMDadoda
 2/24/2020 11:09:35 AM



#46
 Dibromomethane
 Concen: 50.810 ug/l
 RT: 9.33 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion: 93 Resp: 66636
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.1 99.1
 174 90.9 72.5 108.7





#47

Bromodichloromethane

Concen: 51.598 ug/l

RT: 9.52 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

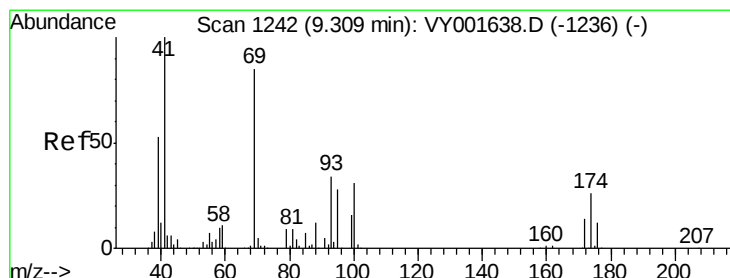
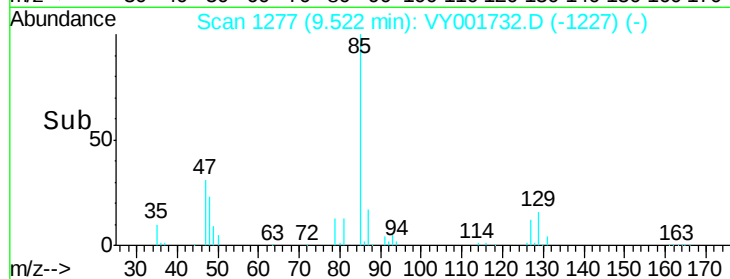
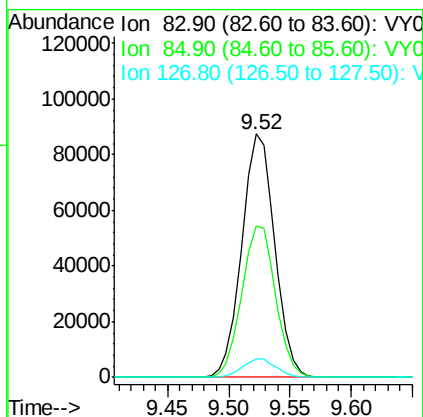
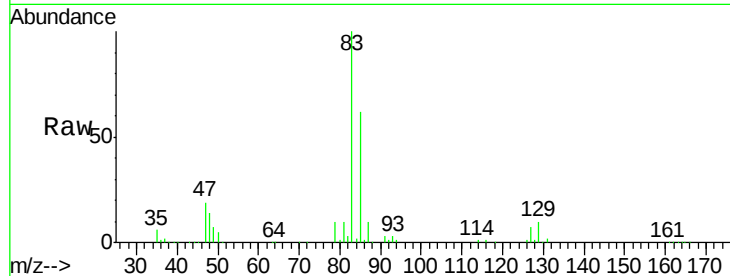
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	163320
Ion Ratio	Lower	Upper	
83	100		
85	62.2	51.4	77.0
127	7.3	6.4	9.6

Manual Integrations
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MMDadoda
2/24/2020 11:09:35 AM



#48

Methyl methacrylate

Concen: 51.867 ug/l

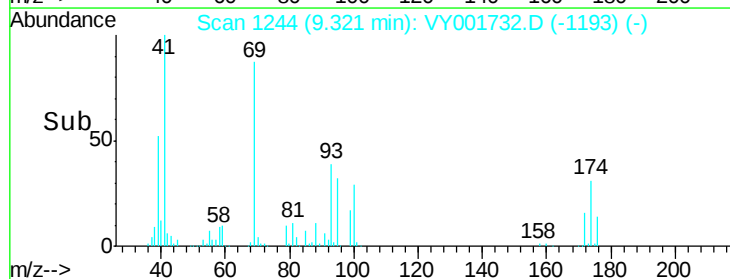
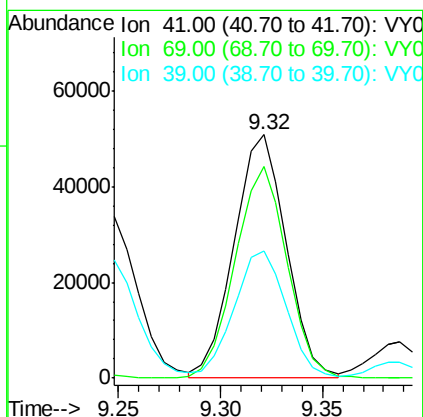
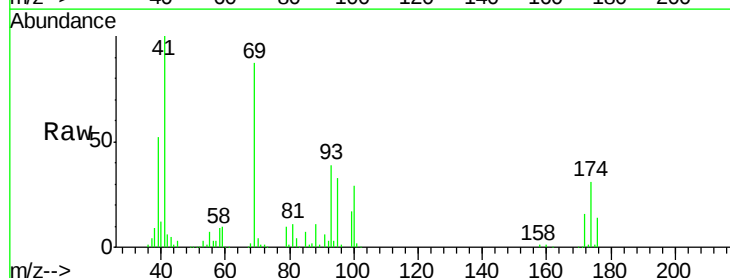
RT: 9.32 min Scan# 1244

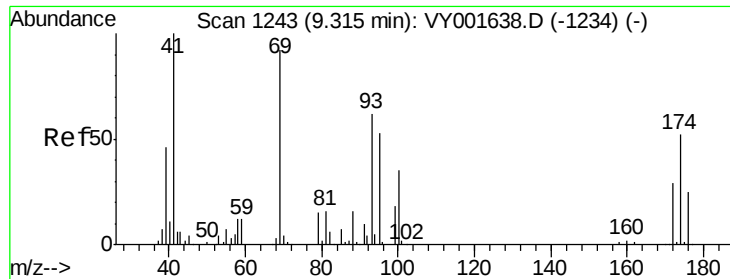
Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Tgt Ion:	41	Resp:	90430
Ion Ratio	Lower	Upper	
41	100		
69	86.3	70.7	106.1
39	52.5	42.2	63.2





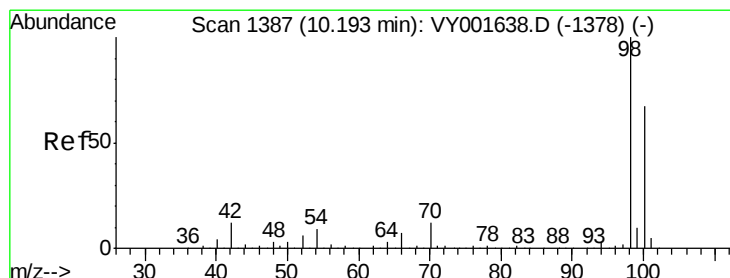
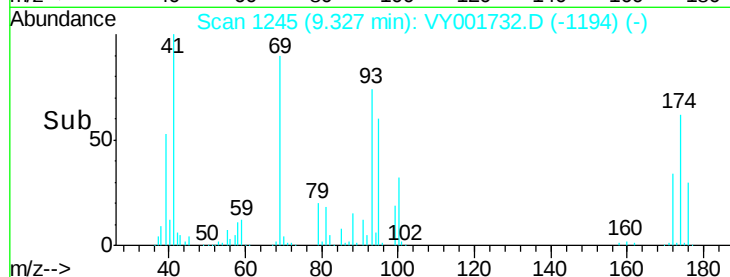
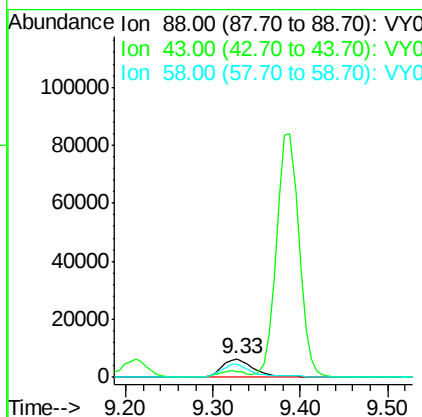
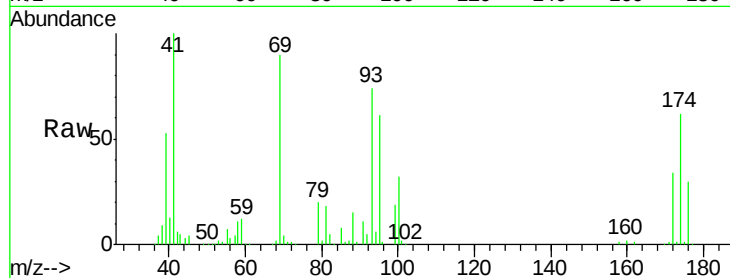
#49
1,4-Dioxane
Concen: 873.443 ug/l
RT: 9.33 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	23.1	34.7
58	72.1	58.1	87.1

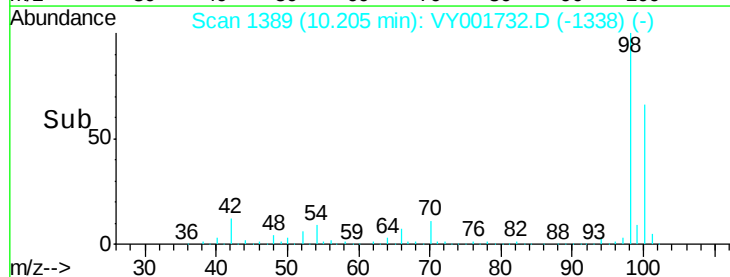
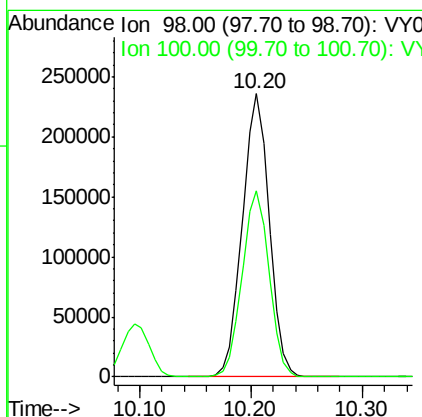
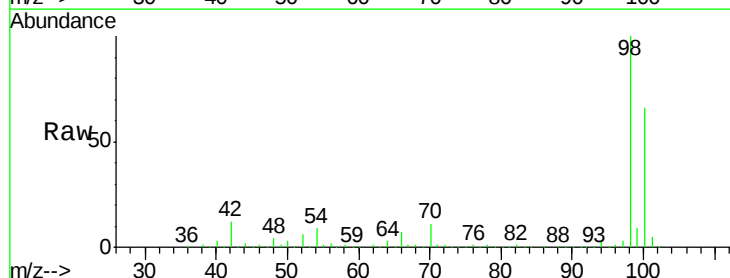
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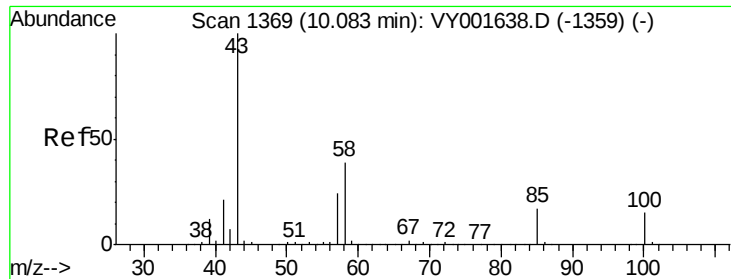
MMDadoda
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#50
Toluene-d8
Concen: 49.289 ug/l
RT: 10.20 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





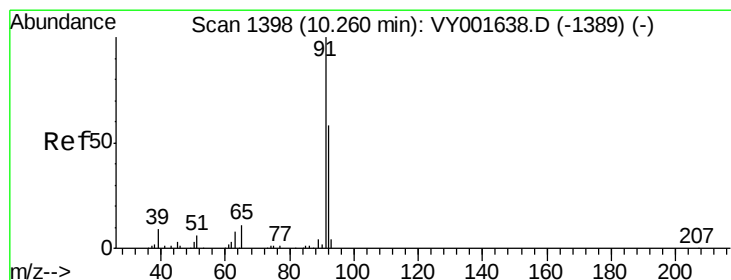
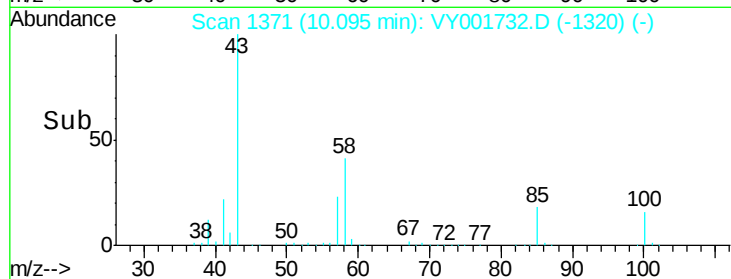
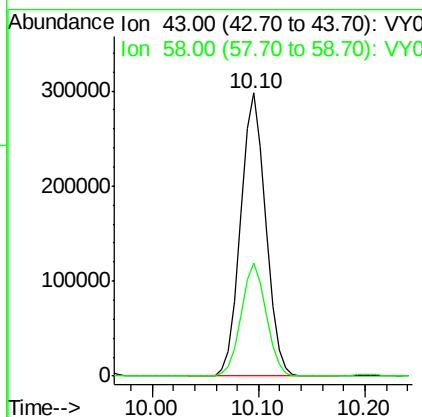
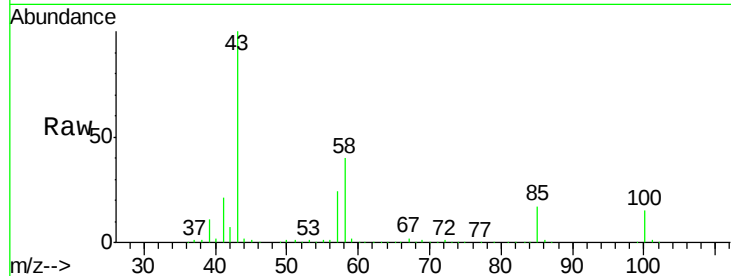
#51
4-Methyl-2-Pentanone
Concen: 249.558 ug/l
RT: 10.10 min Scan# 1371
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.2	48.4

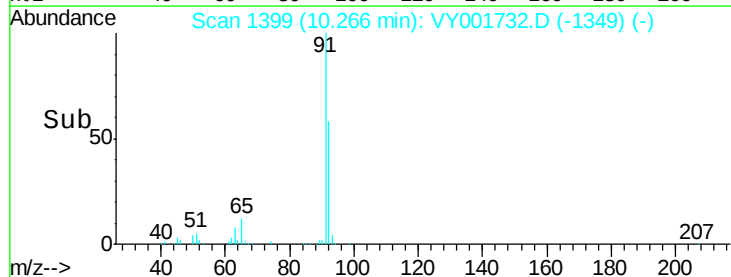
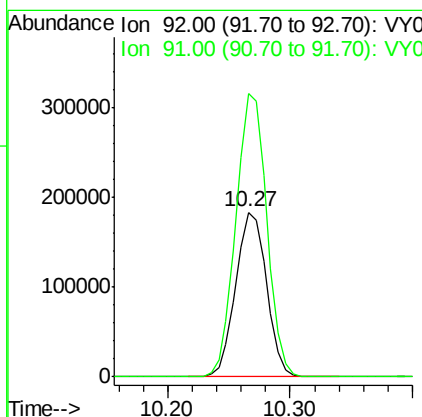
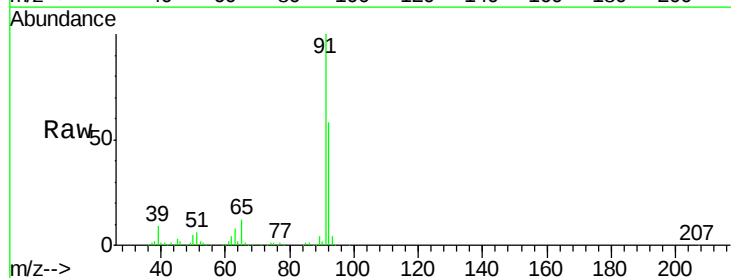
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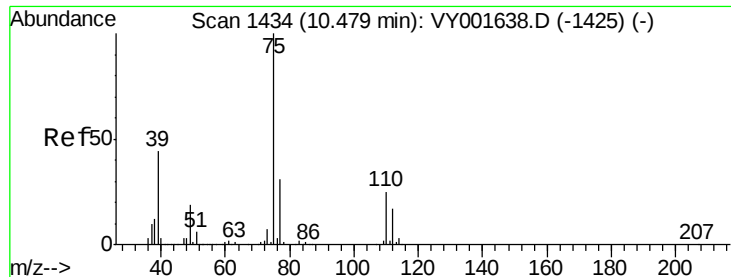
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#52
Toluene
Concen: 51.417 ug/l
RT: 10.27 min Scan# 1399
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.0	205.6





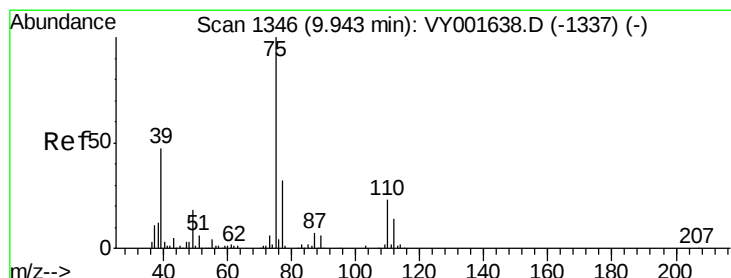
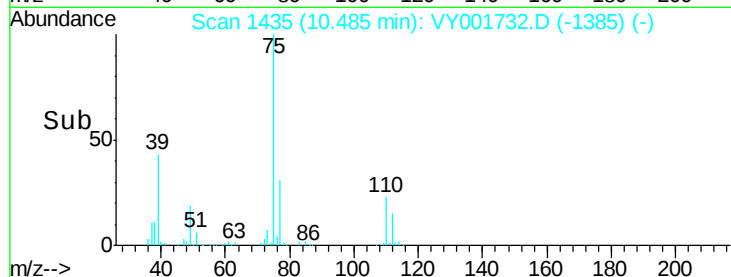
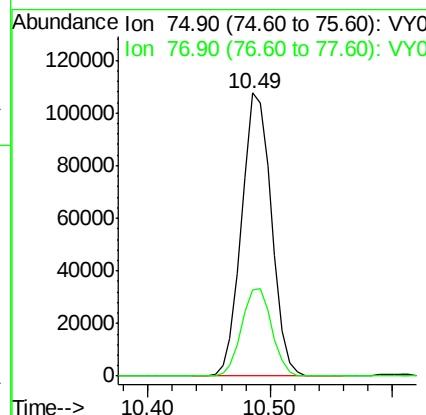
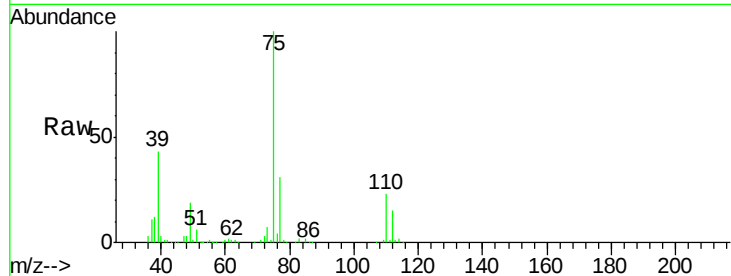
#53
t-1,3-Dichloropropene
Concen: 51.835 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 181380
Ion Ratio Lower Upper
75 100
77 30.6 25.2 37.8

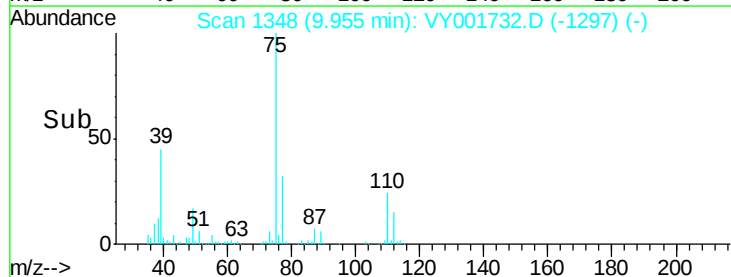
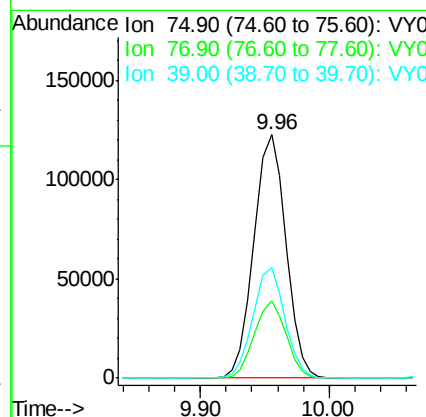
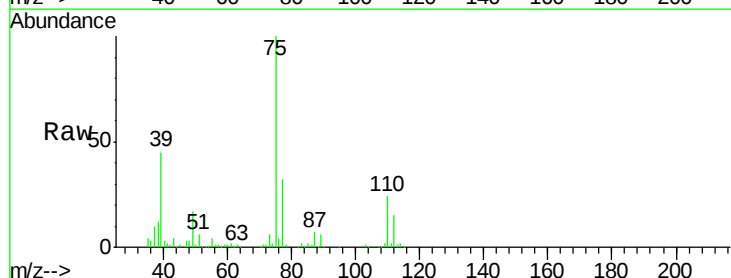
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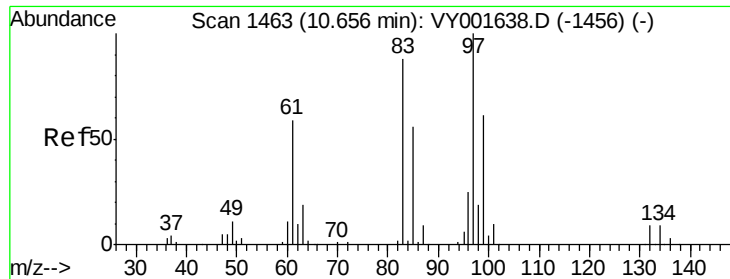
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#54
cis-1,3-Dichloropropene
Concen: 52.340 ug/l
RT: 9.96 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion: 75 Resp: 210788
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
39 45.1 35.7 53.5





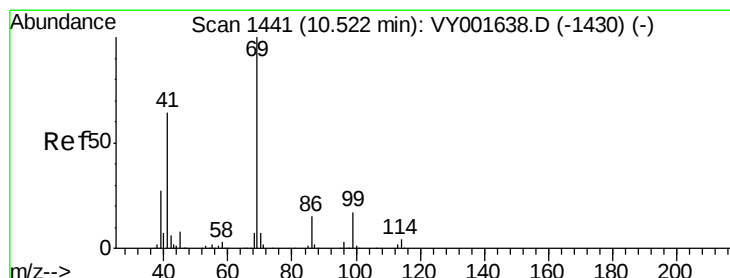
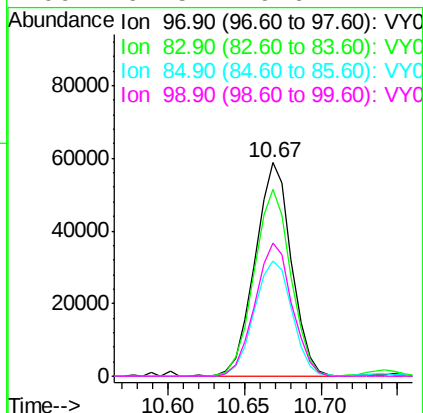
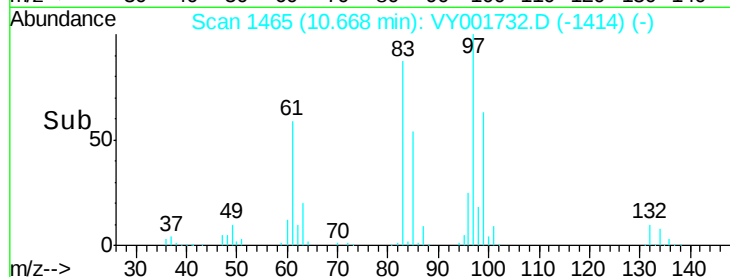
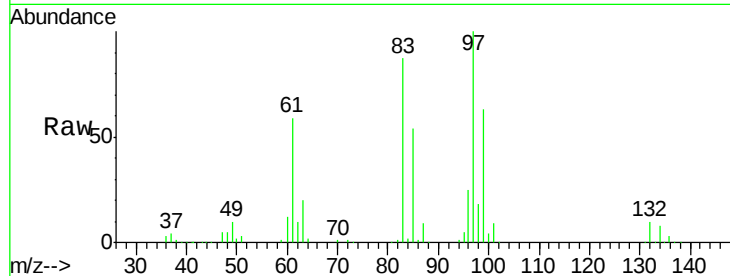
#55
 1,1,2-Trichloroethane
 Concen: 50.638 ug/l
 RT: 10.67 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	97924
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.7	104.5
85	54.2	44.5	66.7
99	62.5	49.6	74.4

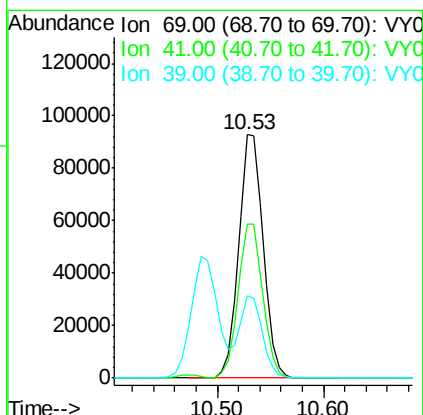
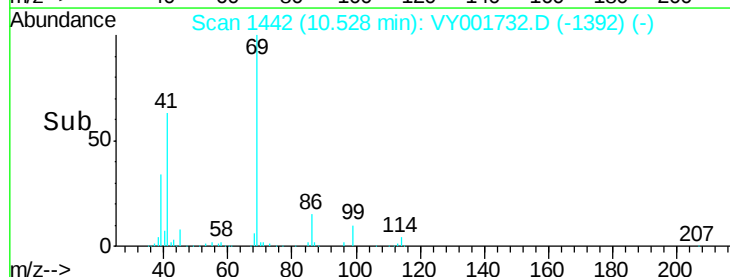
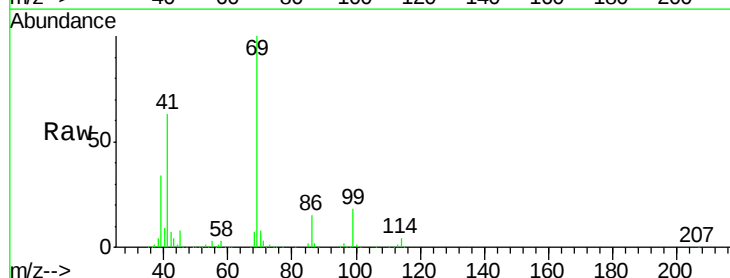
Manual Integrations
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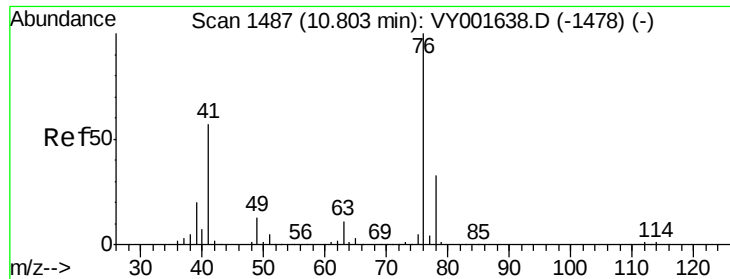
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 2/24/2020 11:09:35 AM



#56
 Ethyl methacrylate
 Concen: 51.638 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion:	69	Resp:	149807
Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.0	76.4
39	32.2	24.7	37.1





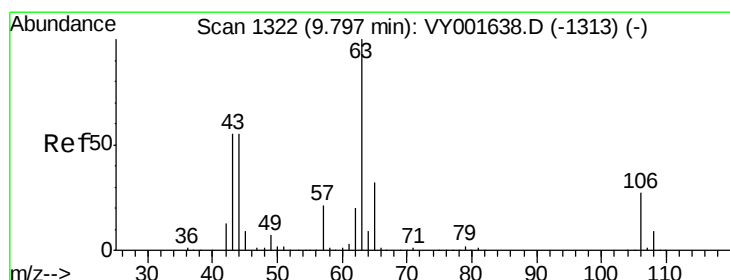
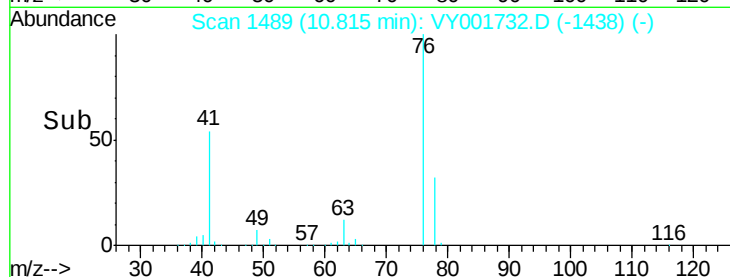
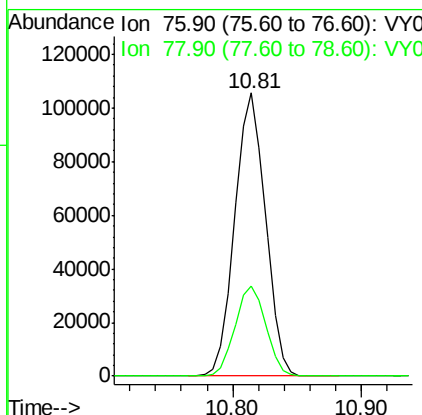
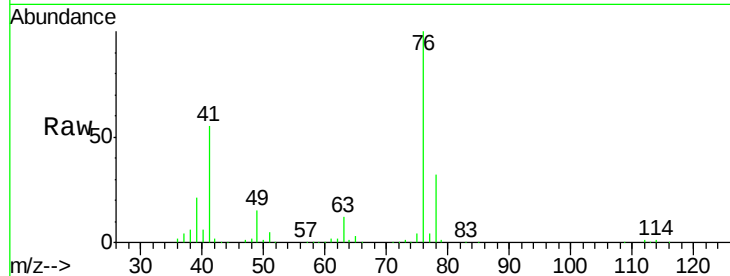
#57
 1,3-Dichloropropane
 Concen: 50.828 ug/l
 RT: 10.81 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 174647
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

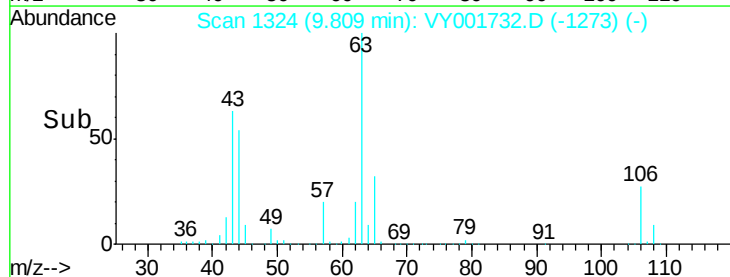
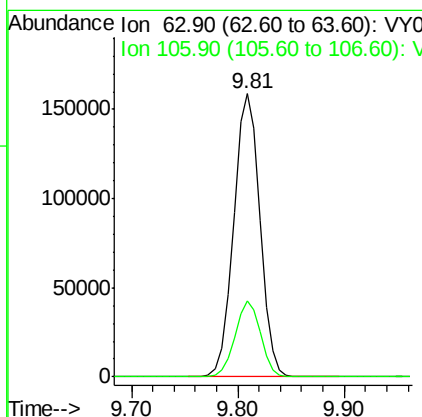
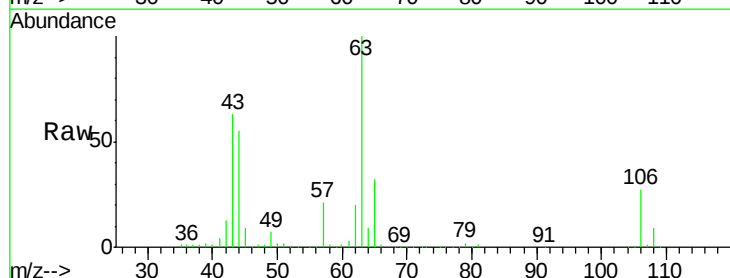
Manual Integrations
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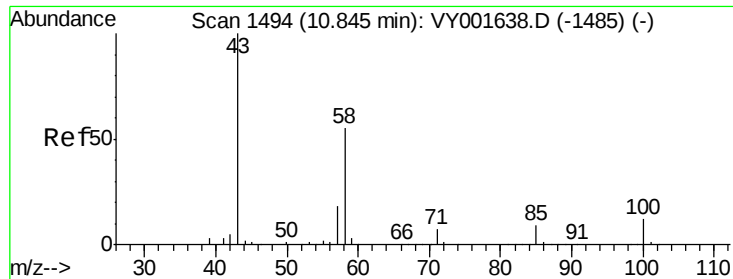
MMDadoda
 2/24/2020 11:09:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.195 ug/l
 RT: 9.81 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion: 63 Resp: 273961
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.6 32.4





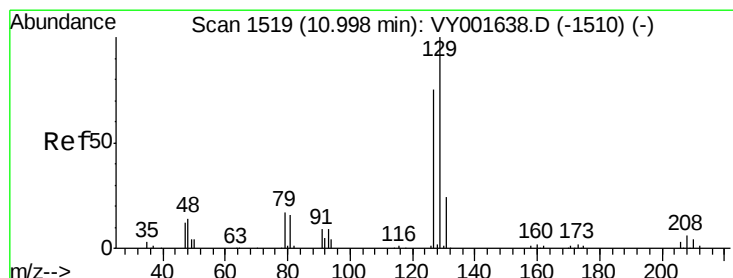
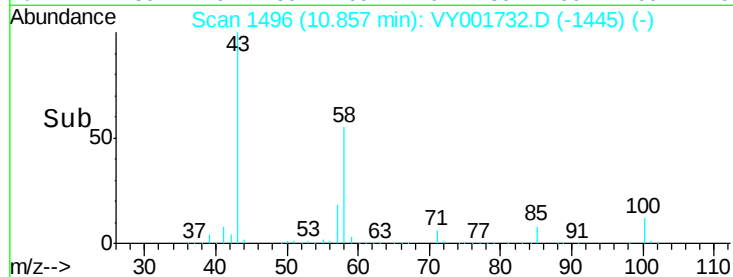
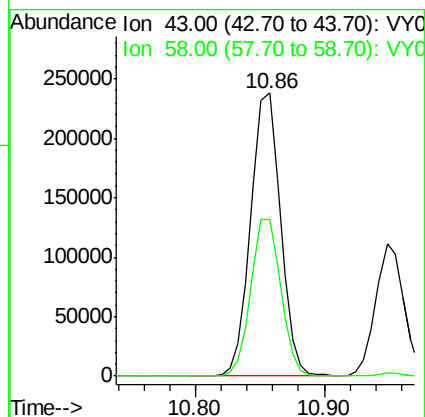
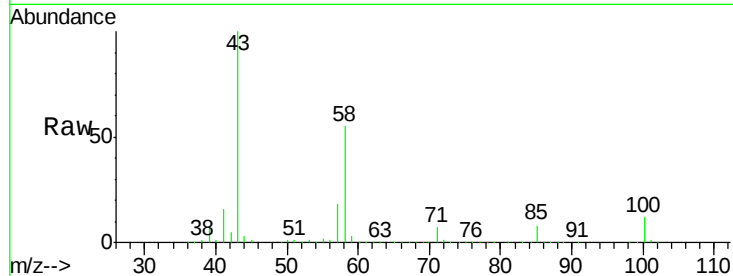
#59
2-Hexanone
Concen: 256.135 ug/l
RT: 10.86 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 380659
Ion Ratio Lower Upper
43 100
58 55.8 28.4 85.2

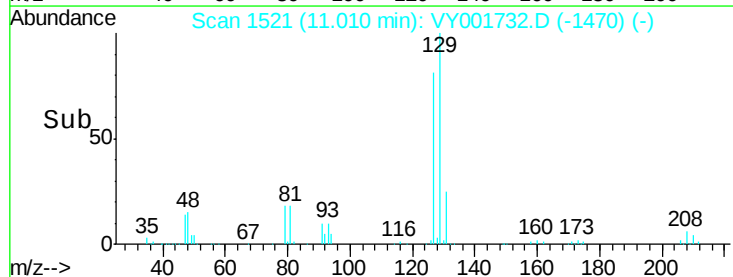
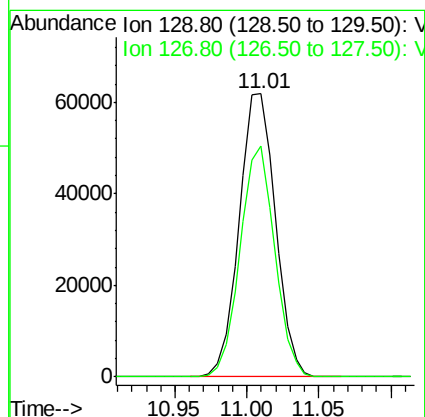
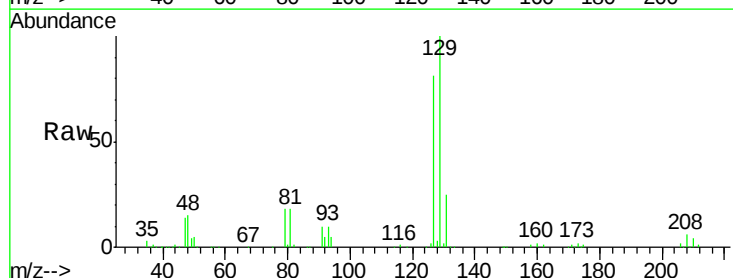
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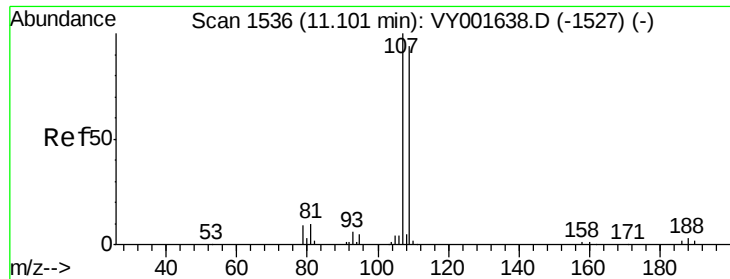
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2/24/2020 11:09:35 AM



#60
Dibromochloromethane
Concen: 50.775 ug/l
RT: 11.01 min Scan# 1521
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion: 129 Resp: 108255
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





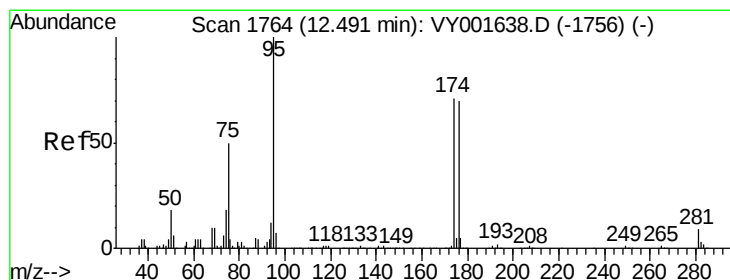
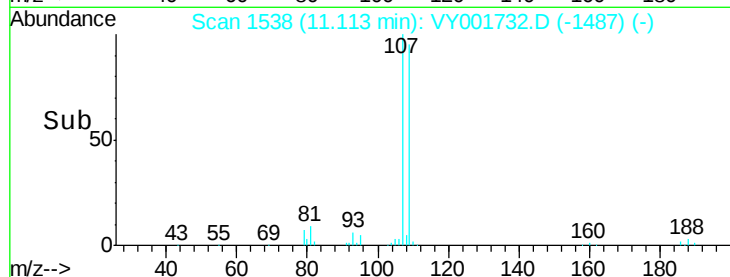
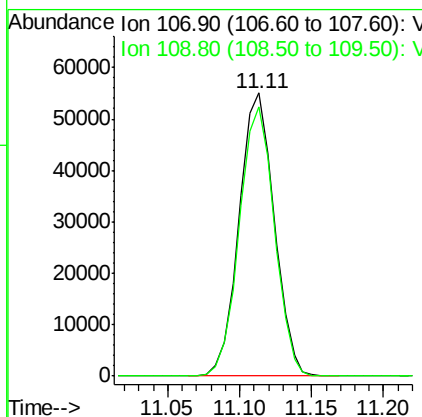
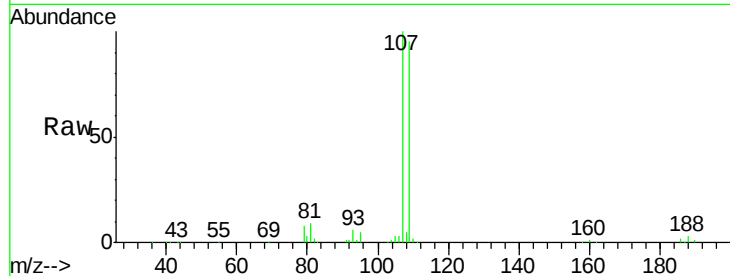
#61
 1,2-Dibromoethane
 Concen: 50.907 ug/l
 RT: 11.11 min Scan# 1538
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 93083
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.2 111.4

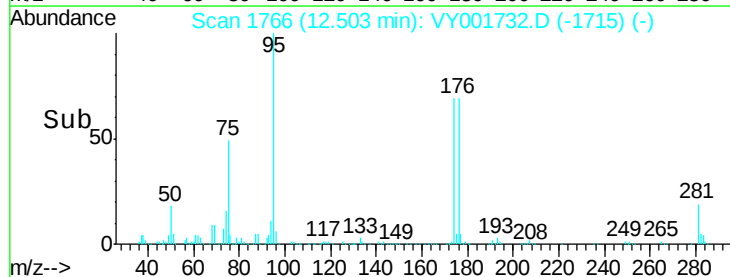
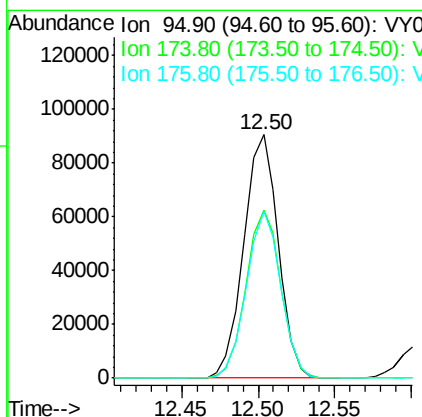
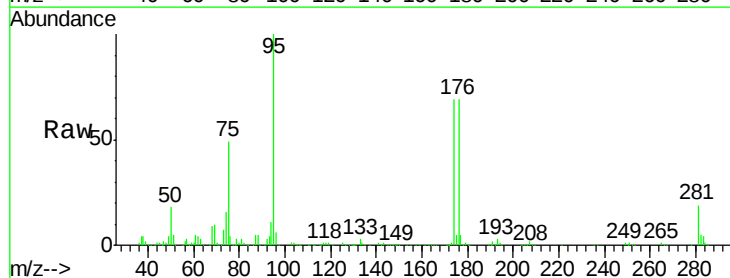
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#62
 4-Bromofluorobenzene
 Concen: 45.594 ug/l
 RT: 12.50 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion: 95 Resp: 141652
 Ion Ratio Lower Upper
 95 100
 174 69.7 0.0 138.4
 176 68.4 0.0 131.8





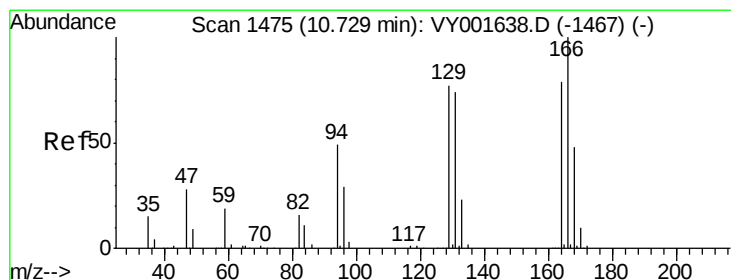
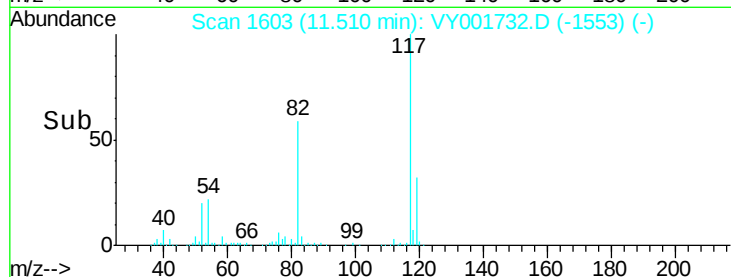
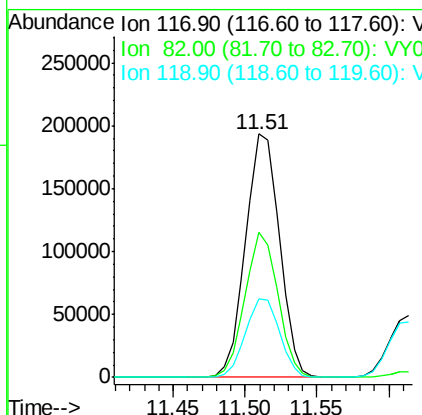
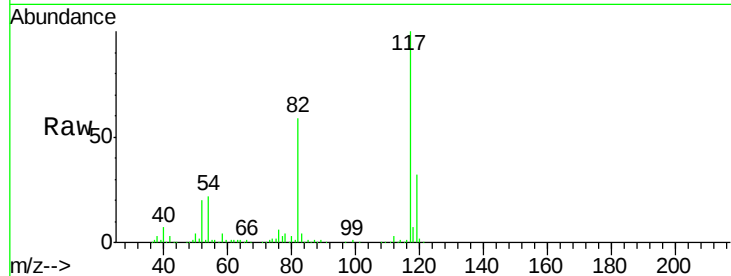
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	45.5	68.3
119	32.1	25.8	38.6

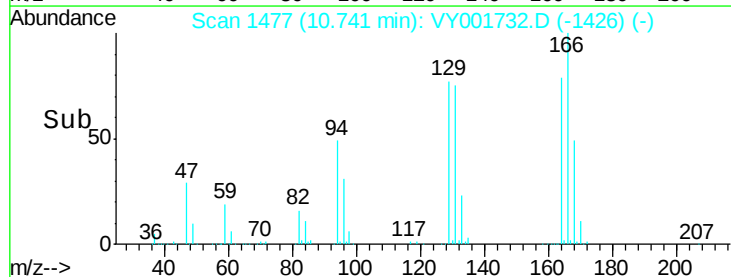
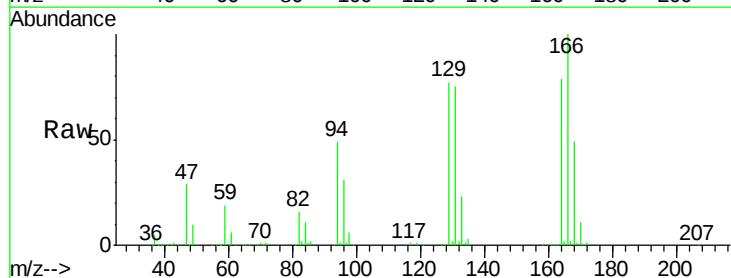
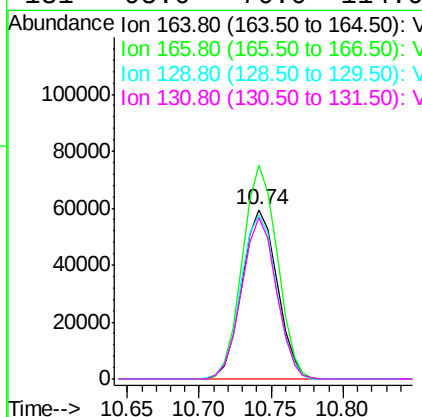
Manual Integrations
APPROVED

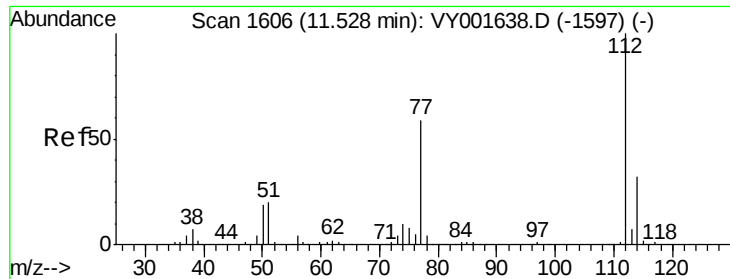
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#64
Tetrachloroethene
Concen: 50.628 ug/l
RT: 10.74 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.4	152.0
129	96.7	78.7	118.1
131	95.0	76.0	114.0





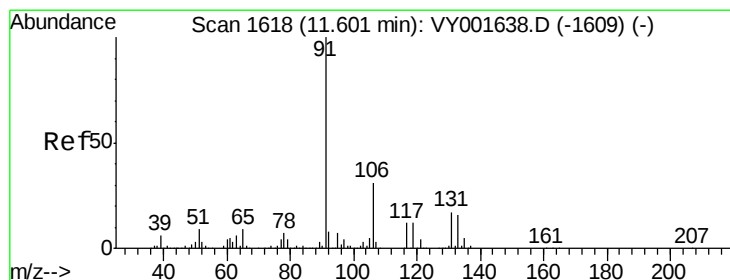
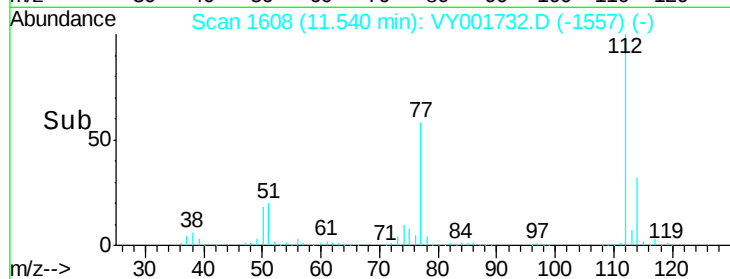
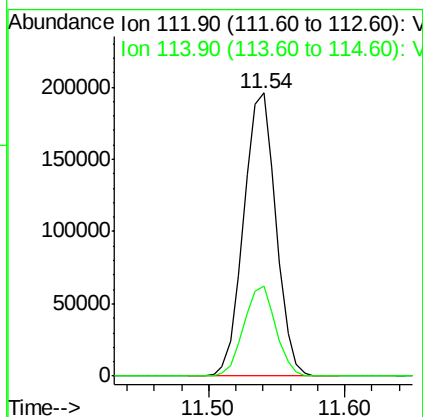
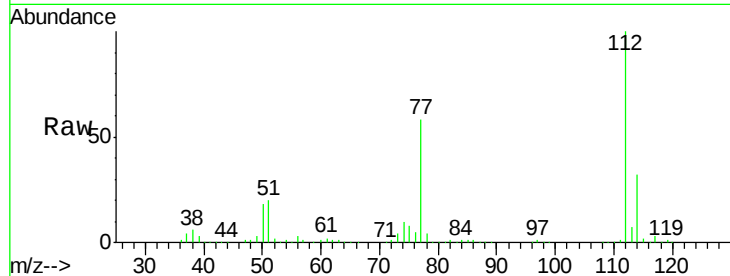
#65
Chlorobenzene
Concen: 51.494 ug/l
RT: 11.54 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 324894
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

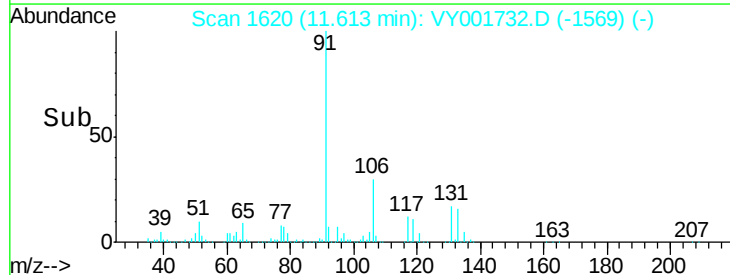
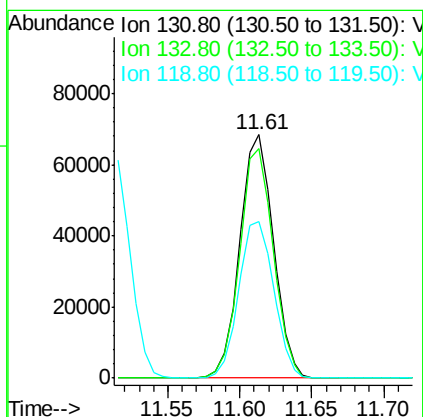
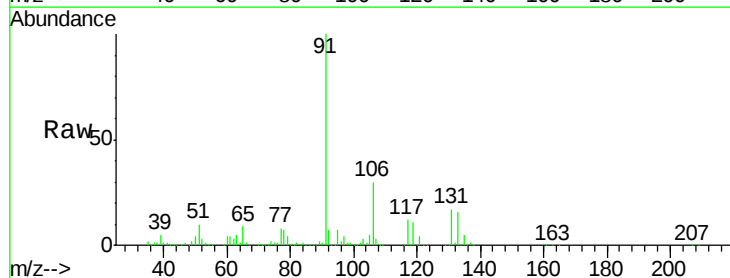
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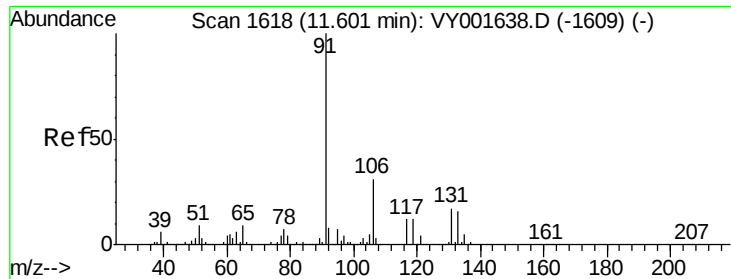
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.207 ug/l
RT: 11.61 min Scan# 1620
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion:131 Resp: 111115
Ion Ratio Lower Upper
131 100
133 94.0 47.4 142.2
119 67.2 34.4 103.1





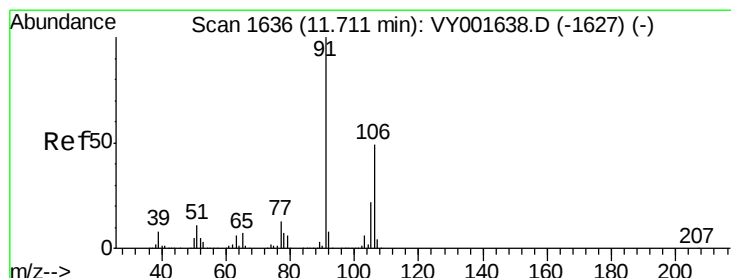
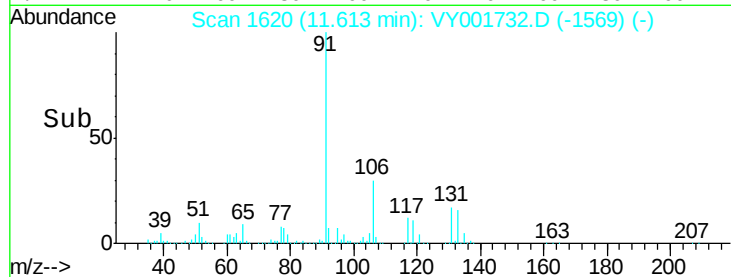
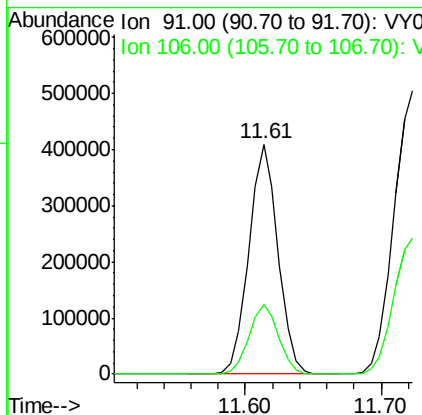
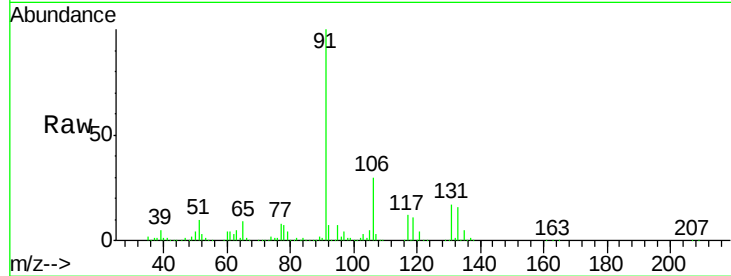
#67
Ethyl Benzene
Concen: 52.326 ug/l
RT: 11.61 min Scan# 1620
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 612667
Ion Ratio Lower Upper
91 100
106 30.2 24.5 36.7

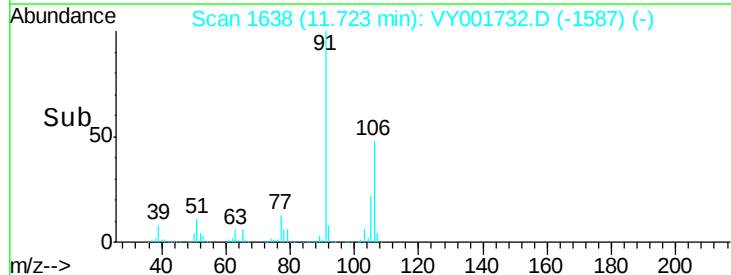
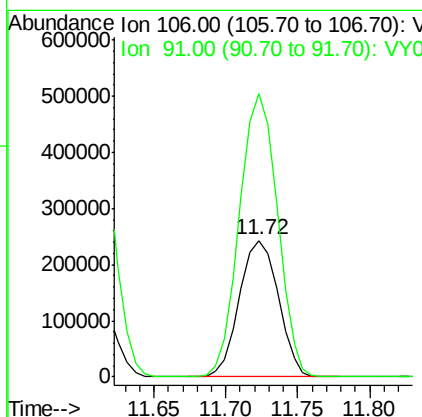
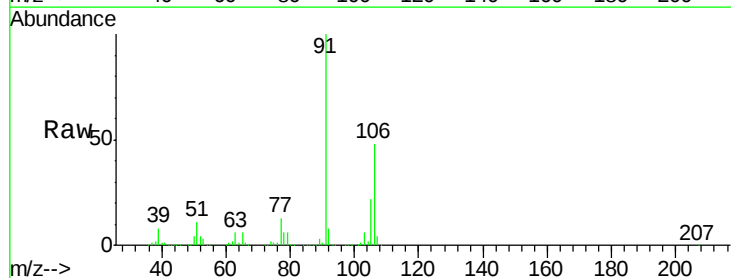
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#68
m/p-Xylenes
Concen: 104.895 ug/l
RT: 11.72 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion: 106 Resp: 458782
Ion Ratio Lower Upper
106 100
91 202.1 163.3 244.9





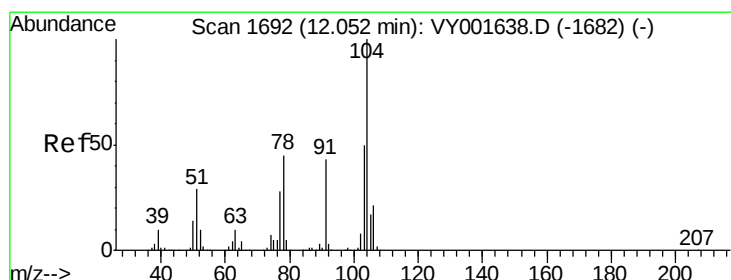
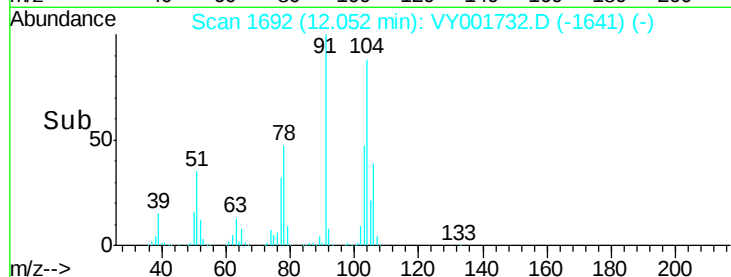
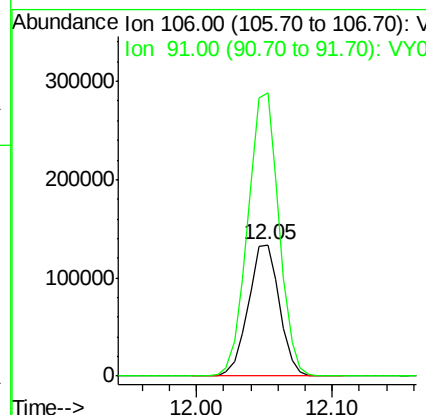
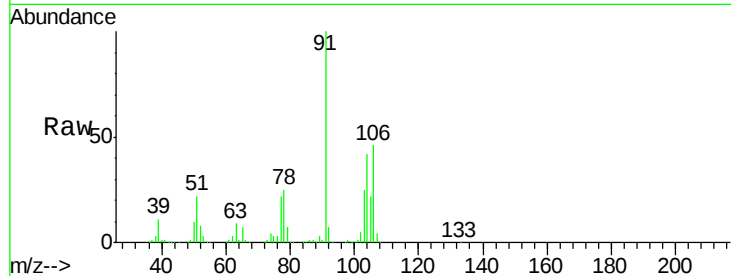
#69
o-Xylene
Concen: 51.510 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	214185		
91	91	215.1	108.3	324.9	

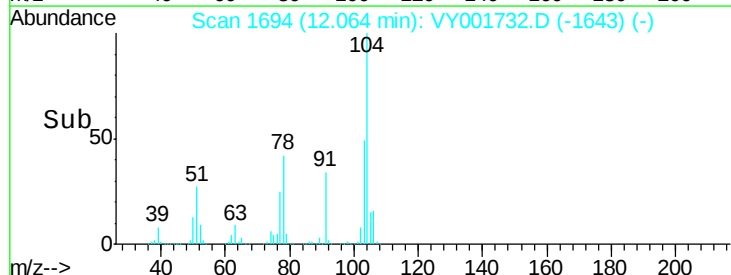
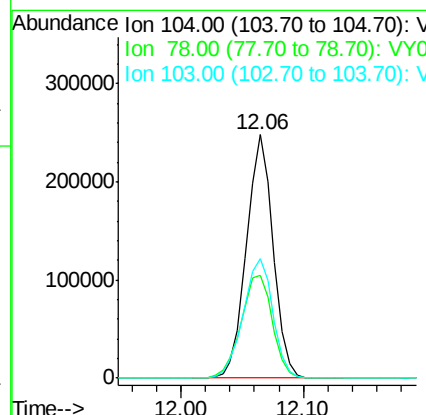
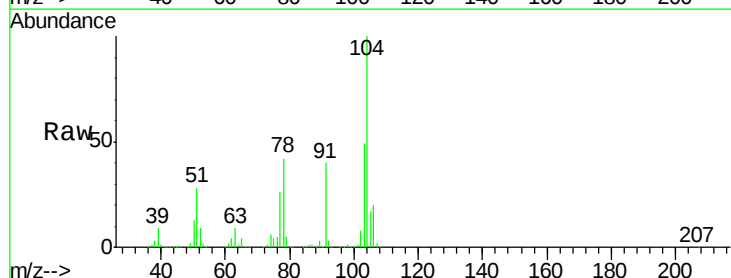
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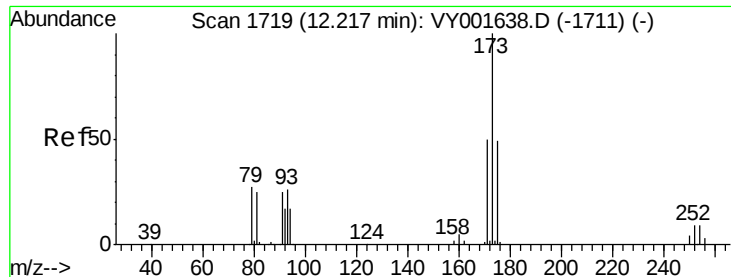
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#70
Styrene
Concen: 51.783 ug/l
RT: 12.06 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	374207		
78	78	49.5	39.2	58.8	
103	103	54.7	43.0	64.6	





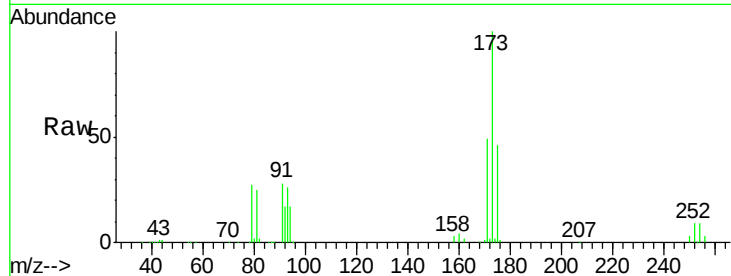
#71
Bromoform
Concen: 50.141 ug/l
RT: 12.23 min Scan# 1721
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

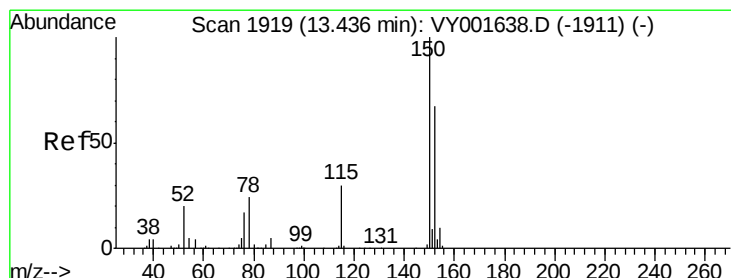
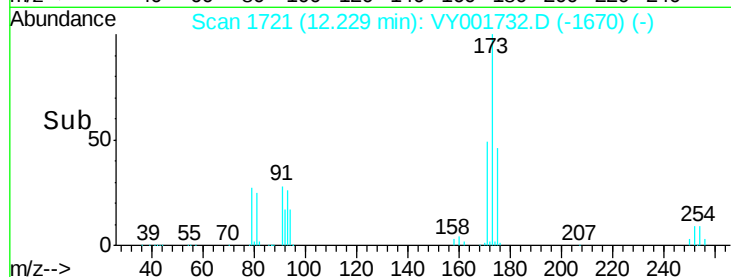
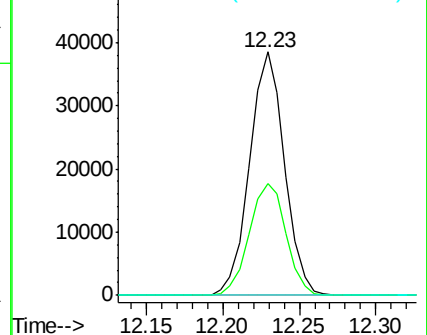
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	0.0	0.1	0.1#

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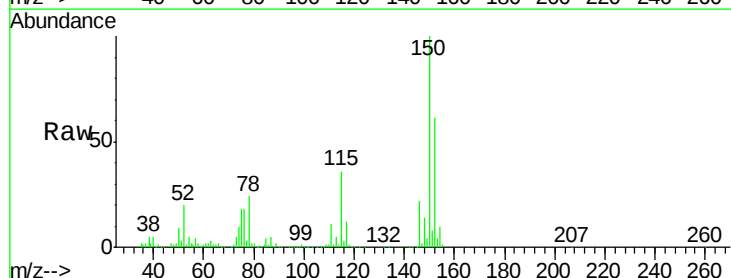


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

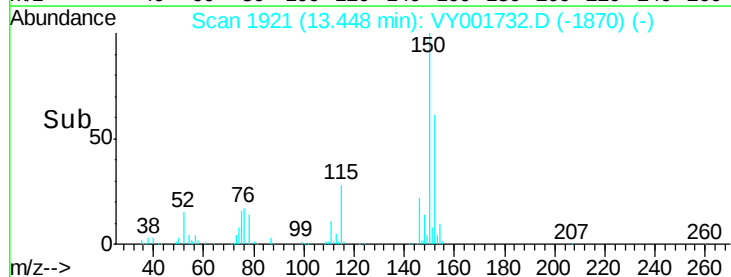
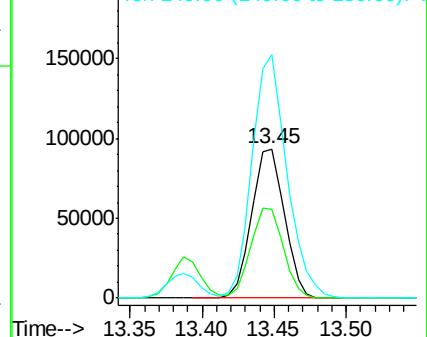


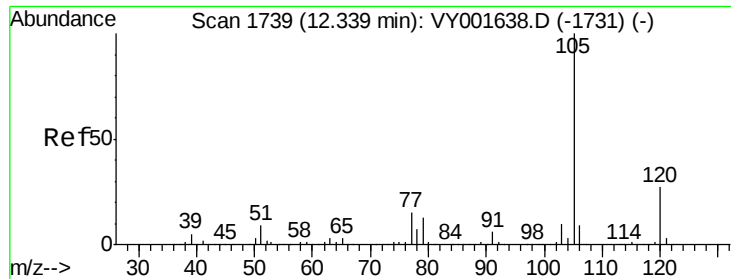
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.45 min Scan# 1921
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	31.4	94.2
150	173.9	0.0	407.2



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





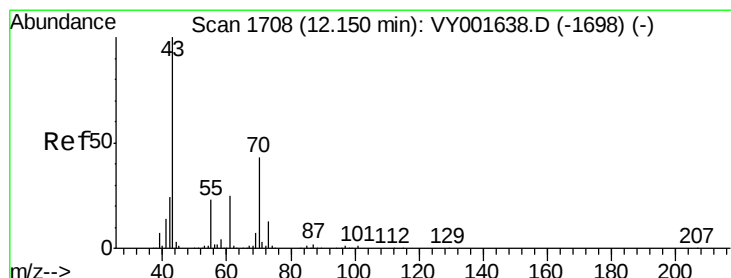
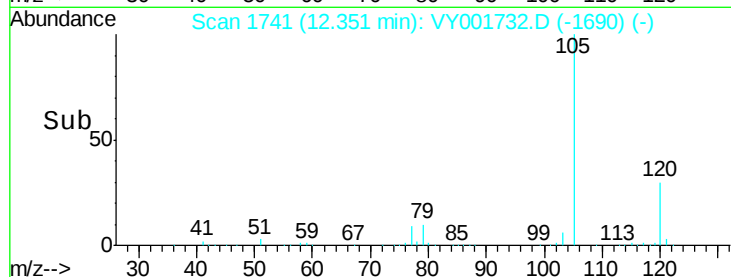
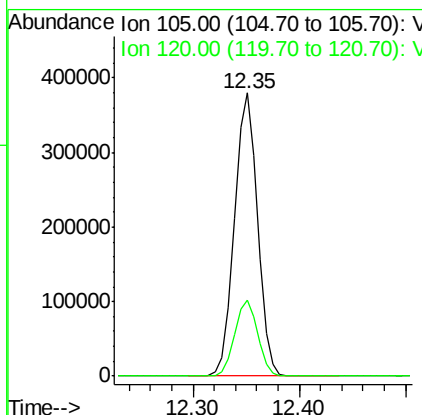
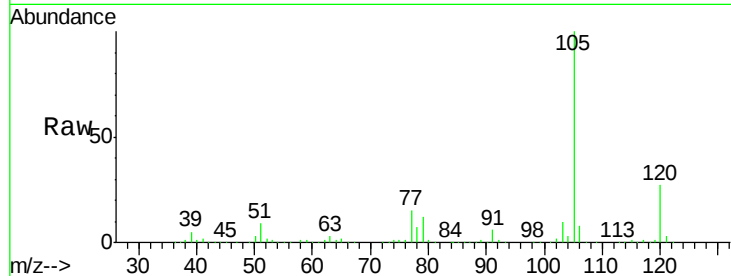
#73
Isopropylbenzene
Concen: 51.752 ug/l
RT: 12.35 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 578022
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.1

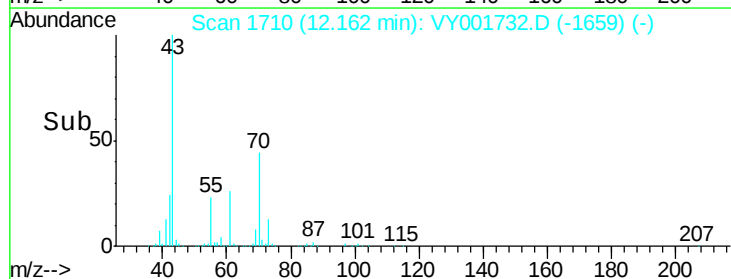
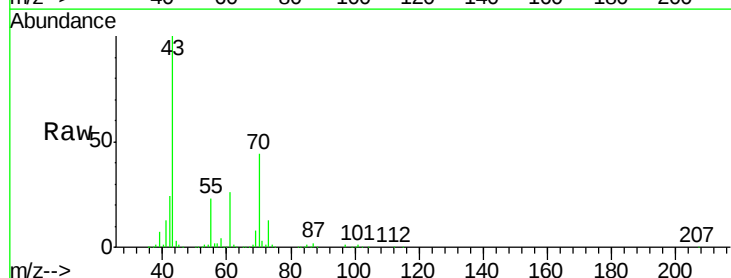
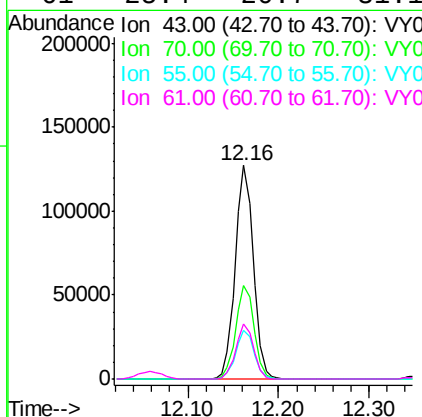
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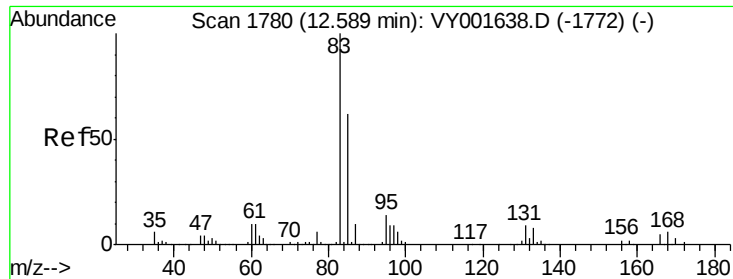
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#74
N-ethyl acetate
Concen: 49.683 ug/l
RT: 12.16 min Scan# 1710
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion: 43 Resp: 177095
Ion Ratio Lower Upper
43 100
70 44.0 35.9 53.9
55 23.0 18.3 27.5
61 25.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.653 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

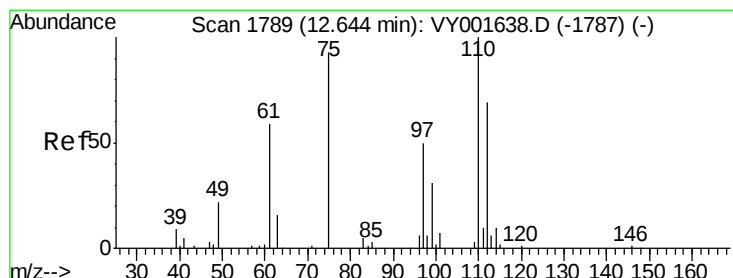
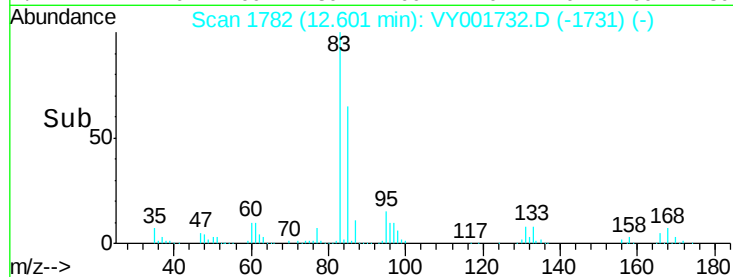
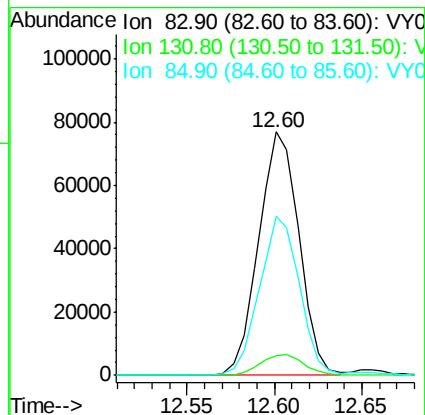
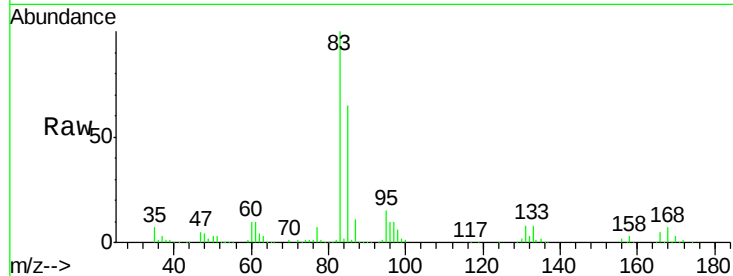
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	123184
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	64.9	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 54.617 ug/l m

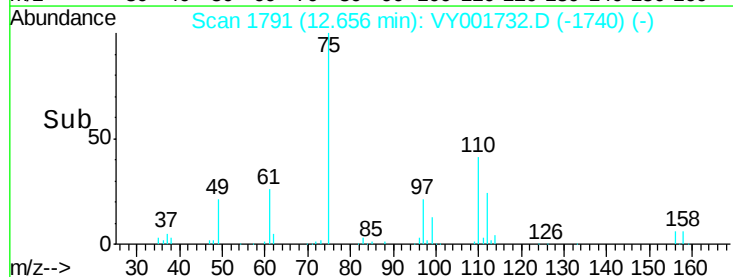
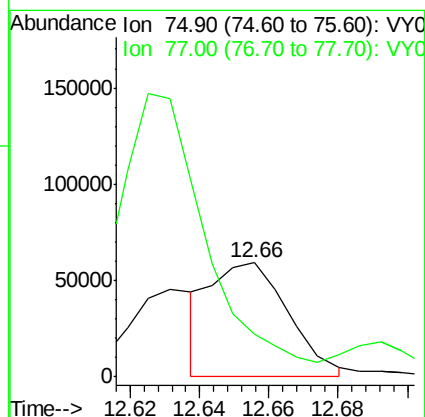
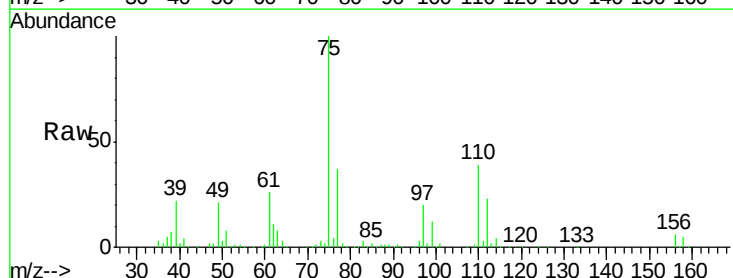
RT: 12.66 min Scan# 1791

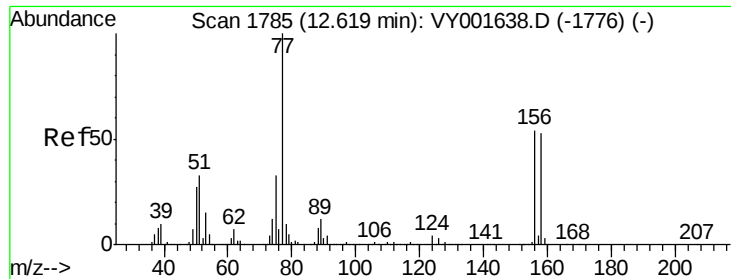
Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Tgt Ion:	75	Resp:	91855
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.549 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

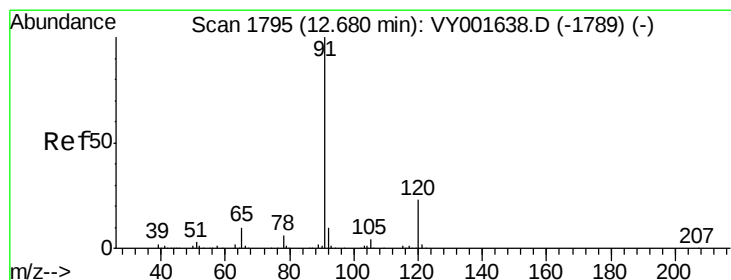
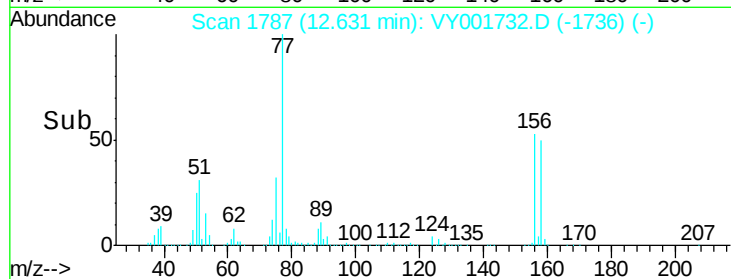
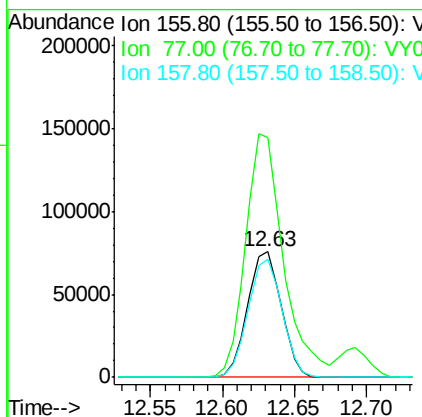
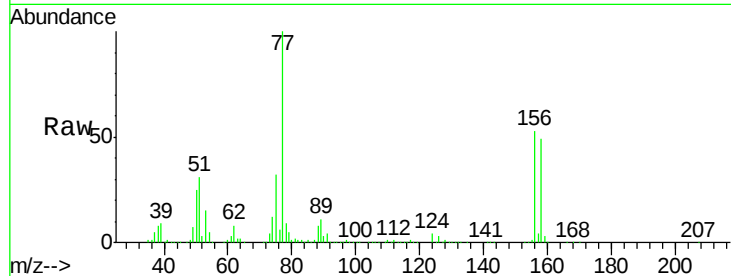
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	122391
Ion Ratio	Lower	Upper	
156	100		
77	218.6	110.1	330.1
158	95.1	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 52.692 ug/l

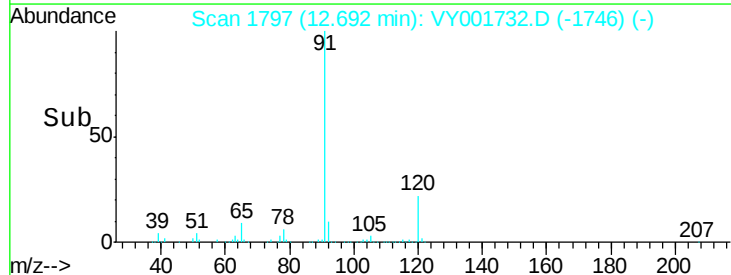
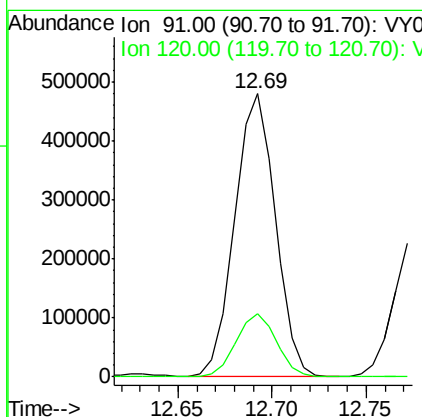
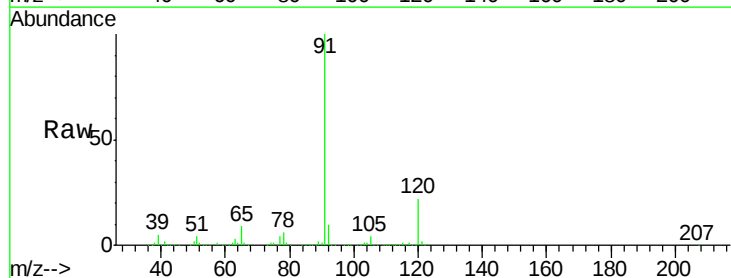
RT: 12.69 min Scan# 1797

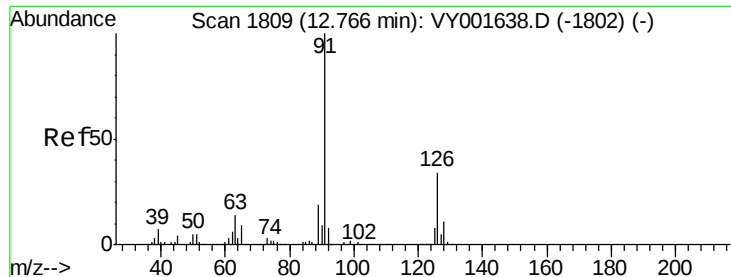
Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Tgt Ion:	91	Resp:	716763
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.1





#79

2-Chlorotoluene

Concen: 51.751 ug/l

RT: 12.78 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 394829

Ion Ratio Lower Upper

91 100

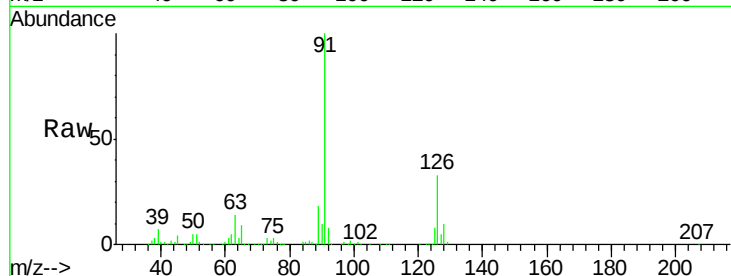
126 32.8 16.2 48.6

Manual Integrations

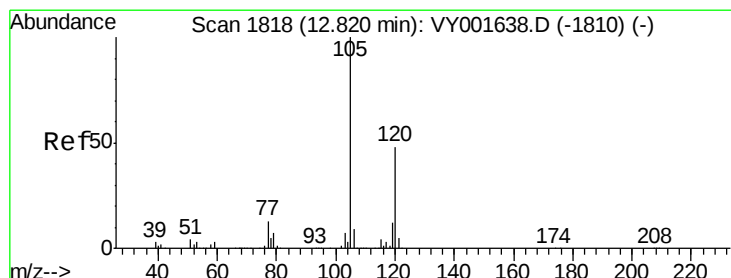
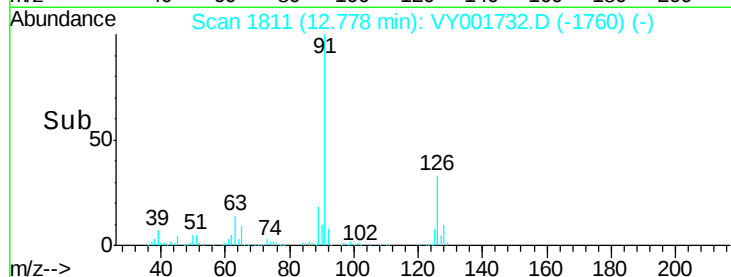
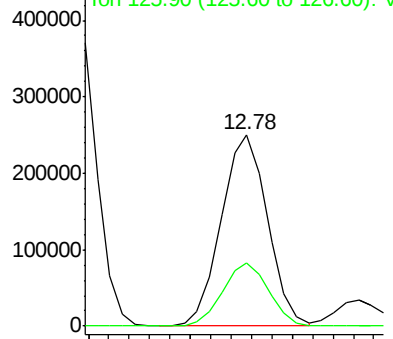
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Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.010 ug/l

RT: 12.83 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VY001732.D

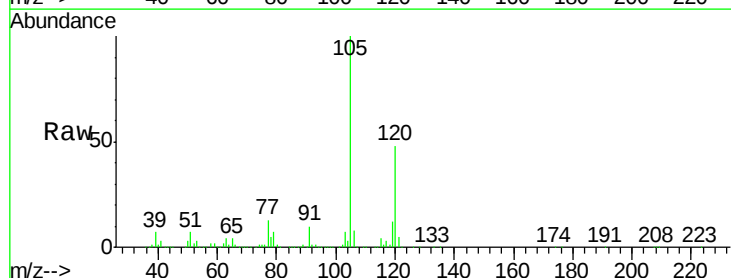
Acq: 21 Feb 2020 10:52

Tgt Ion: 105 Resp: 480858

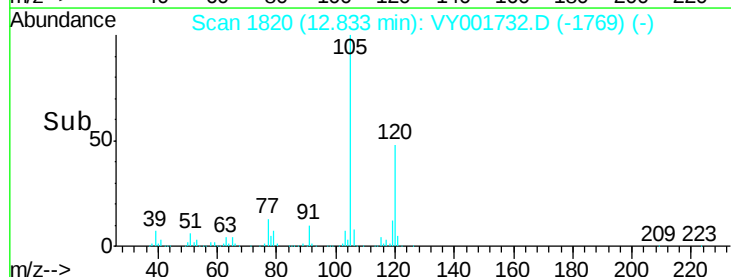
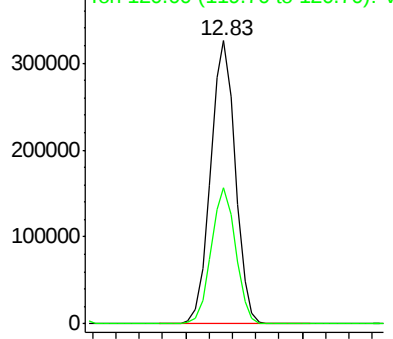
Ion Ratio Lower Upper

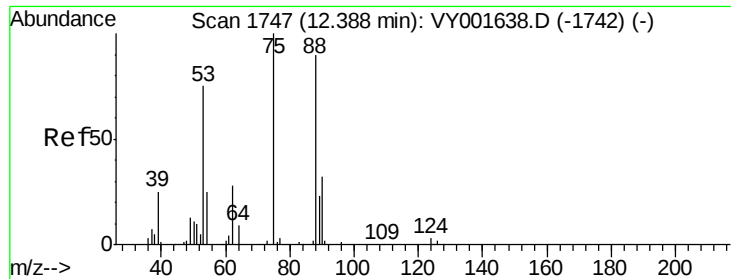
105 100

120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.070 ug/l

RT: 12.40 min Scan# 1749

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

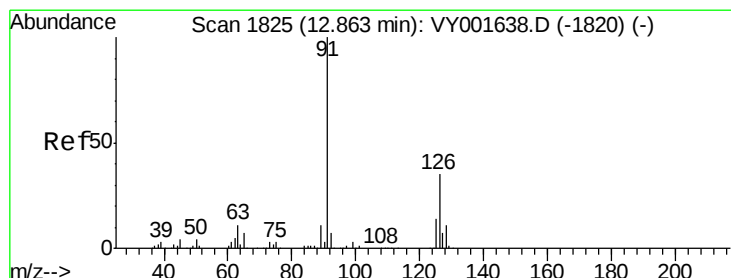
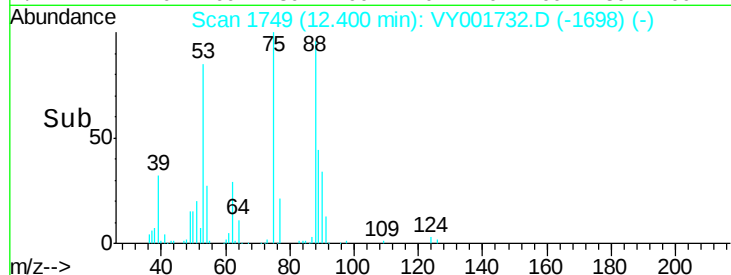
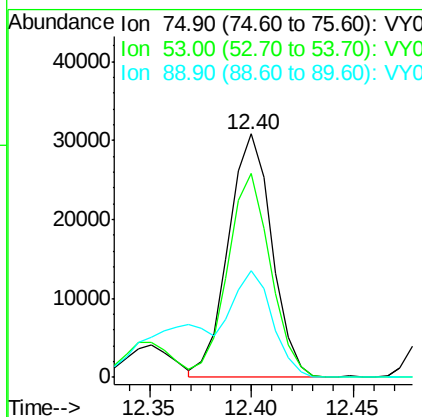
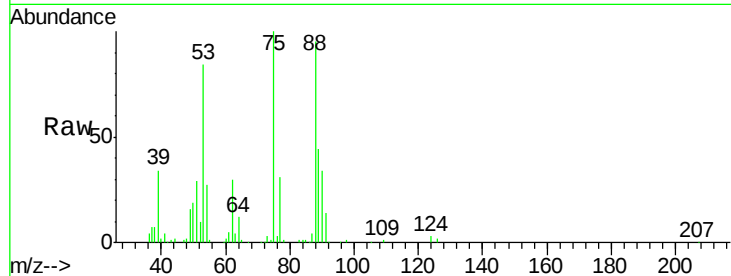
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	45273
Ion	Ratio	Lower	Upper
75	100		
53	82.7	64.5	96.7
89	42.4	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.772 ug/l

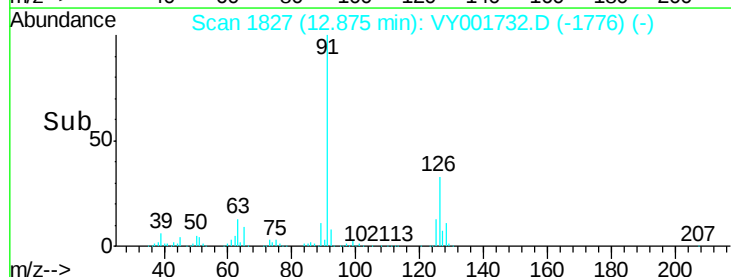
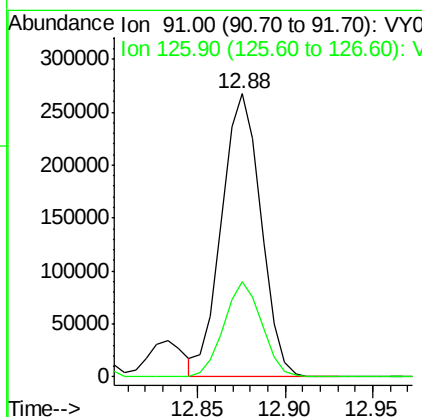
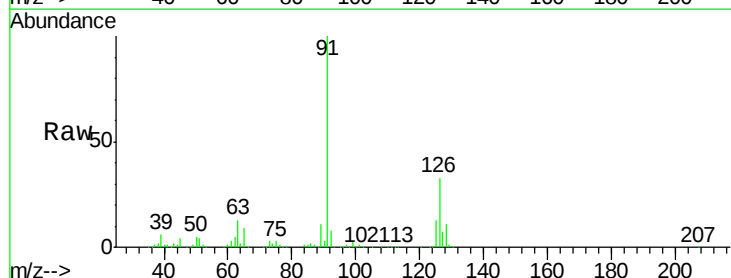
RT: 12.88 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Tgt Ion:	91	Resp:	416594
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.6





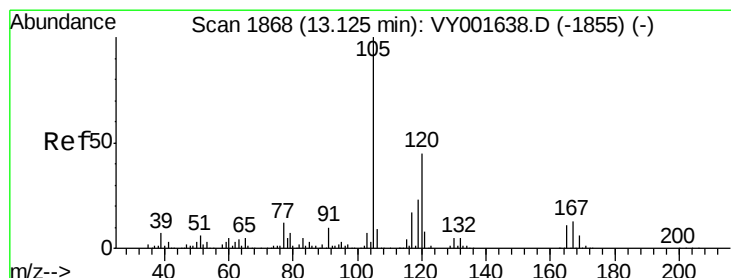
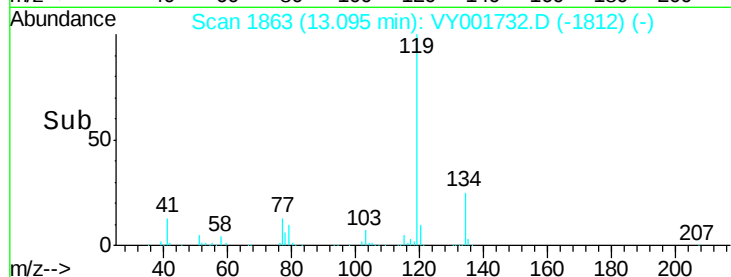
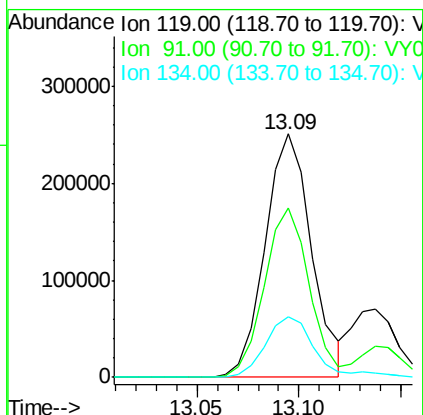
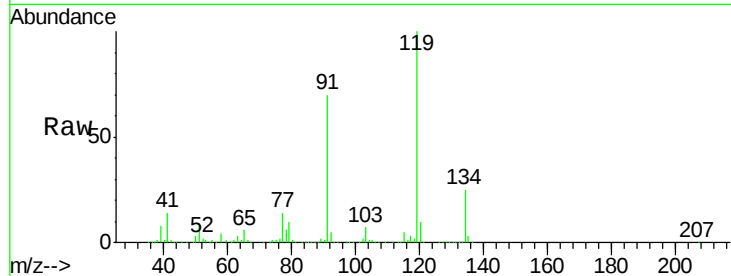
#83
tert-Butylbenzene
Concen: 51.383 ug/l
RT: 13.09 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.5	100.5
134	26.9	13.3	39.8

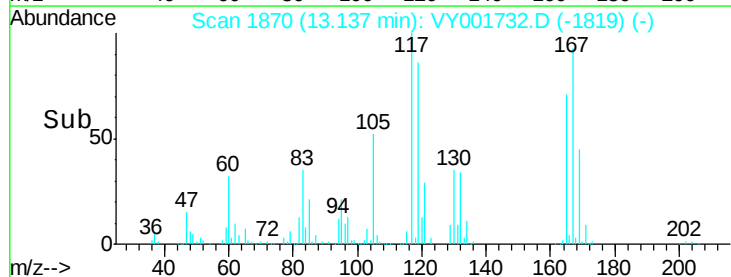
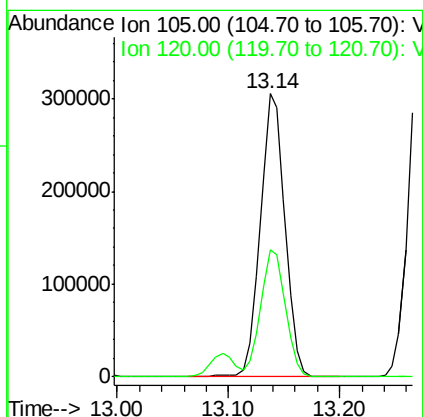
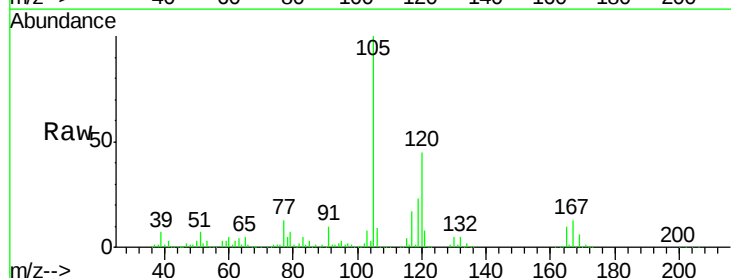
Manual Integrations
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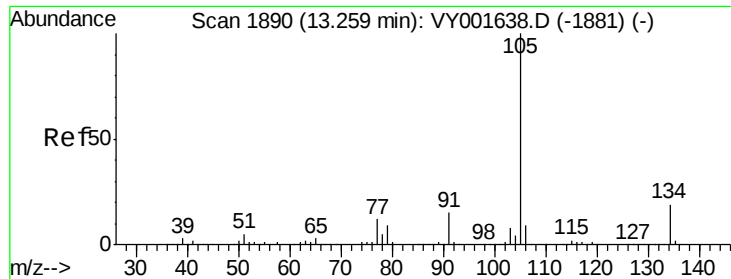
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.205 ug/l
RT: 13.14 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 51.853 ug/l

RT: 13.27 min Scan# 1892

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 589710

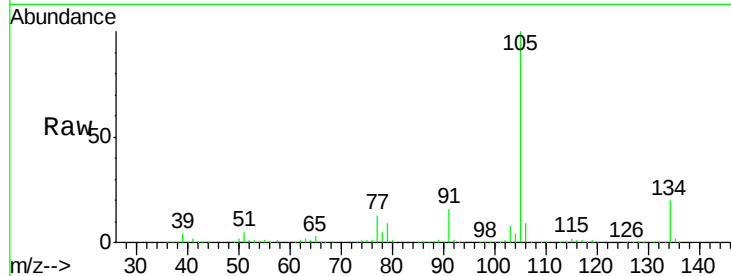
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

400000

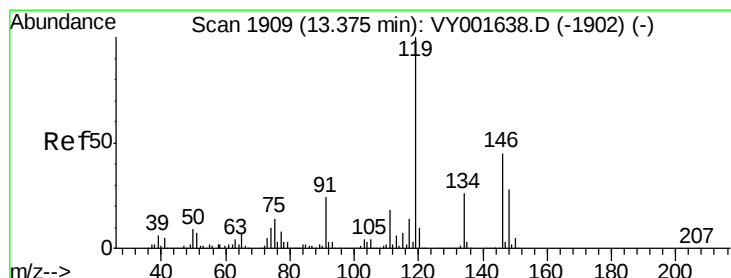
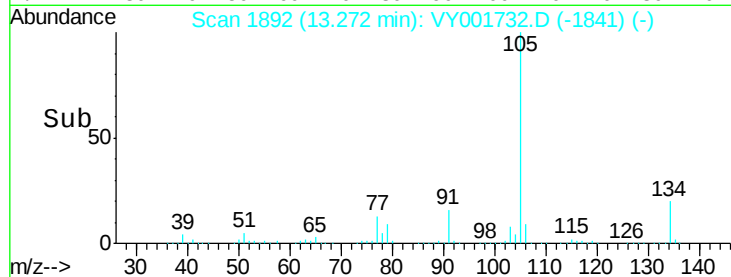
300000

200000

100000

0

Time--> 13.20 13.30



#86

p-Isopropyltoluene

Concen: 51.042 ug/l

RT: 13.39 min Scan# 1911

Delta R.T. 0.01 min

Lab File: VY001732.D

Acq: 21 Feb 2020 10:52

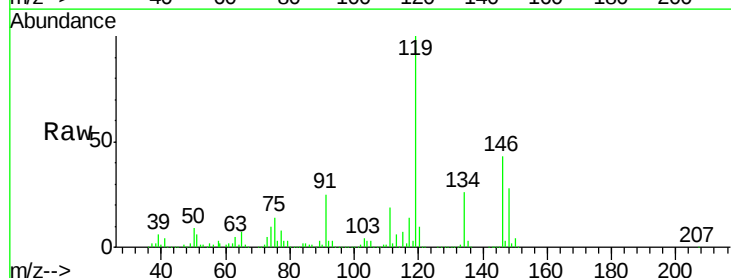
Tgt Ion:119 Resp: 504286

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.9 12.2 36.6



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): VY0

13.39

400000

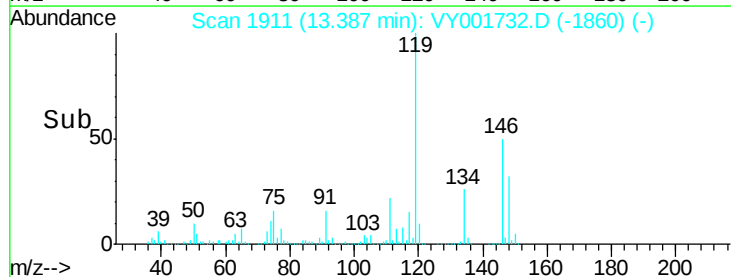
300000

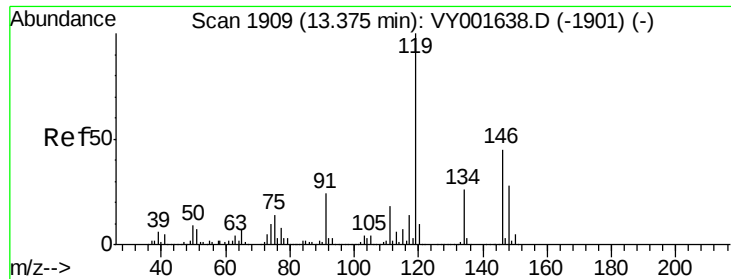
200000

100000

0

Time--> 13.30 13.35 13.40 13.45





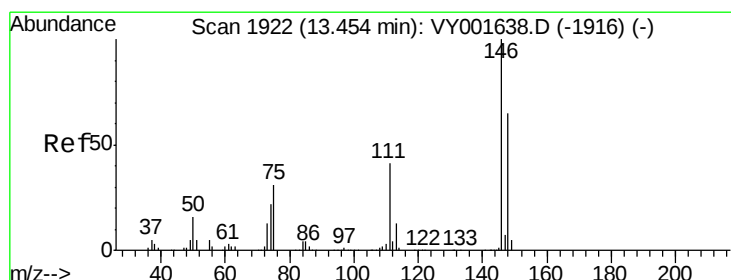
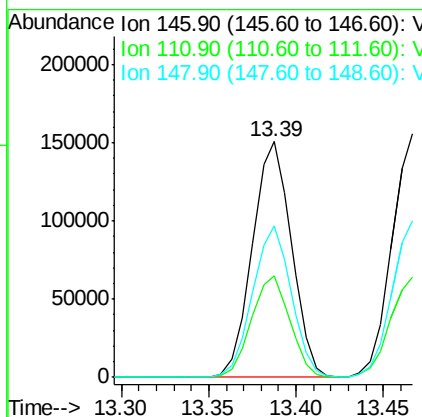
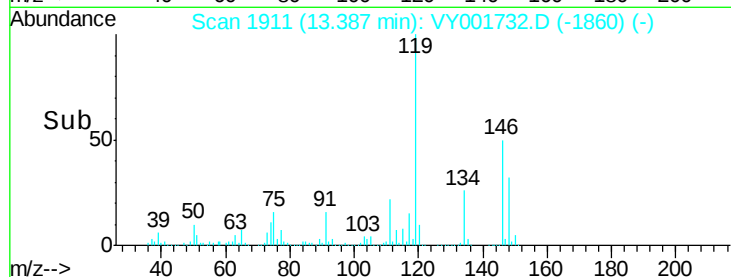
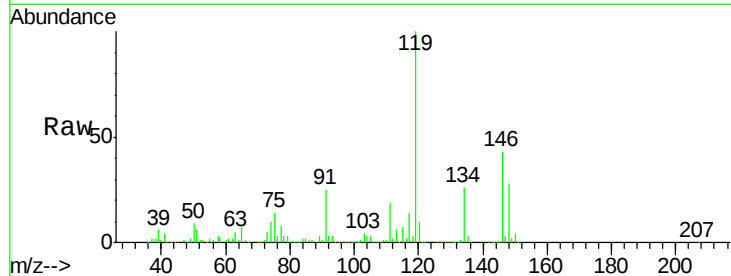
#87
 1,3-Dichlorobenzene
 Concen: 49.867 ug/l
 RT: 13.39 min Scan# 1911
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.3
148	63.3	31.6	94.7

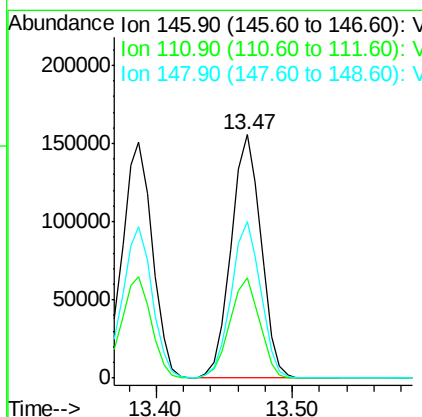
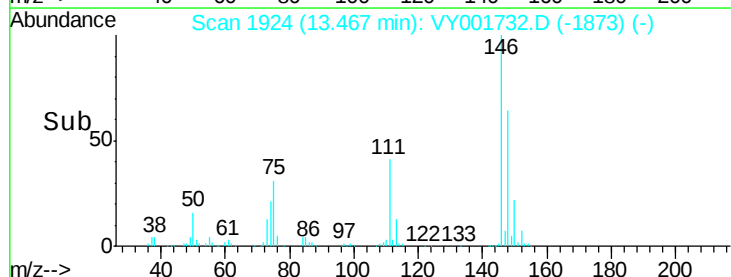
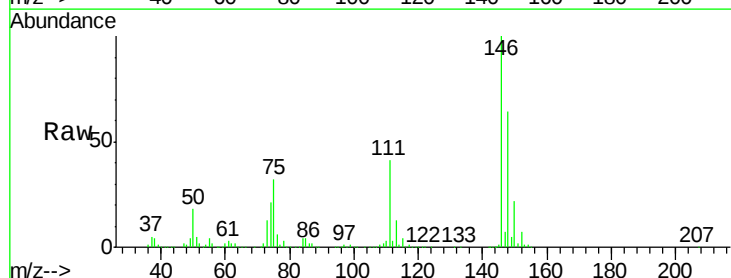
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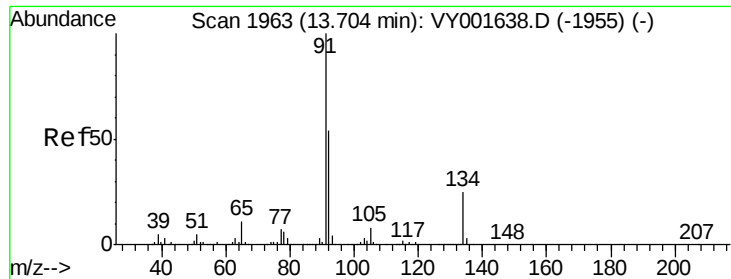
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#88
 1,4-Dichlorobenzene
 Concen: 50.198 ug/l
 RT: 13.47 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	63.4	31.6	94.7





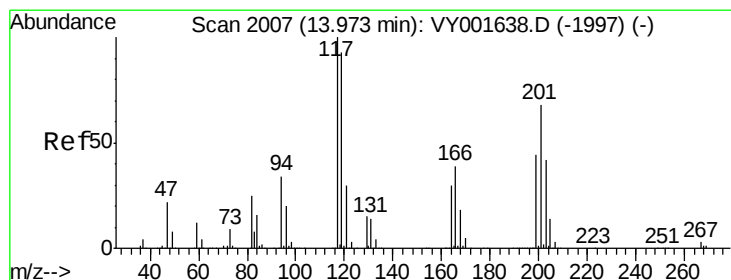
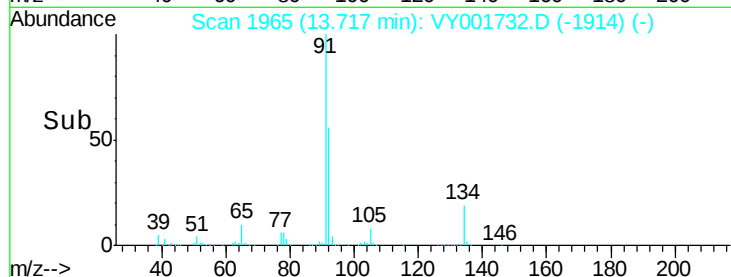
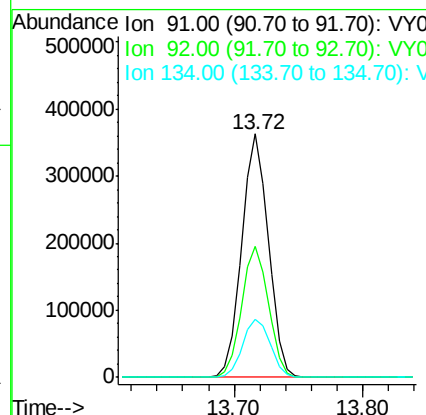
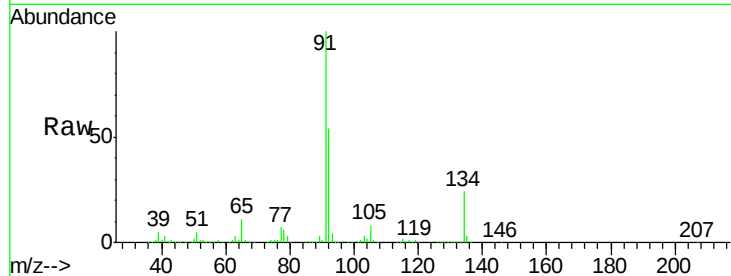
#89
n-Butylbenzene
Concen: 51.450 ug/l
RT: 13.72 min Scan# 1965
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	24.6	12.4	37.4

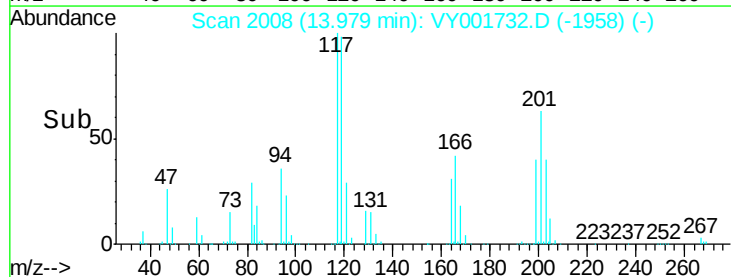
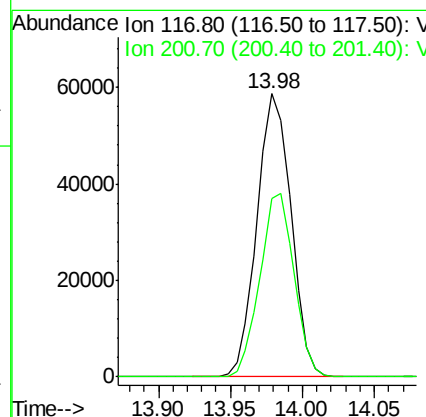
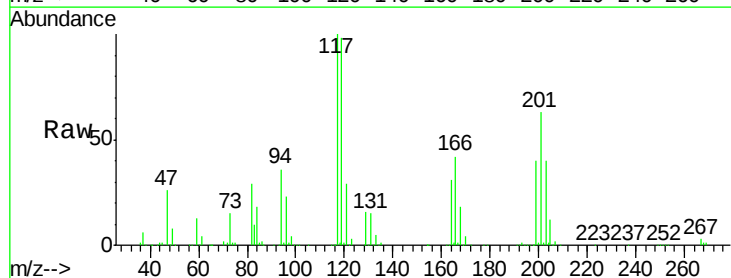
Manual Integrations
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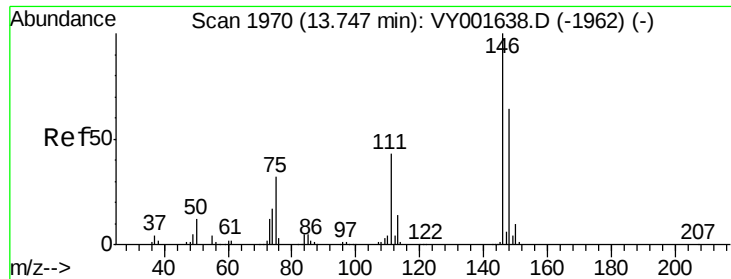
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#90
Hexachloroethane
Concen: 51.558 ug/l
RT: 13.98 min Scan# 2008
Delta R.T. 0.01 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.8	32.5	97.4





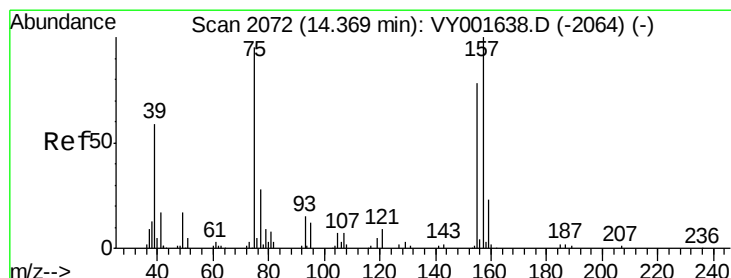
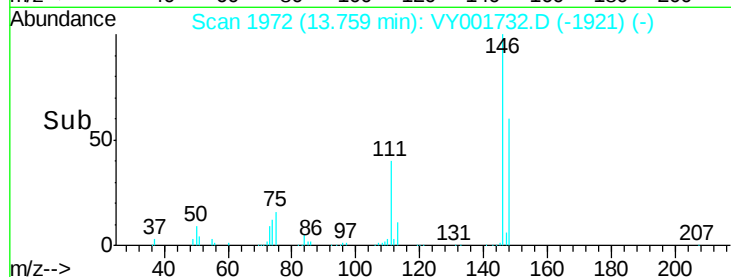
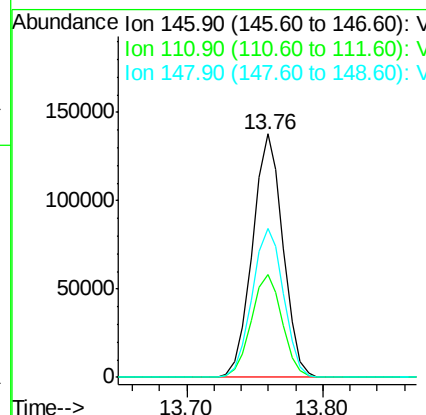
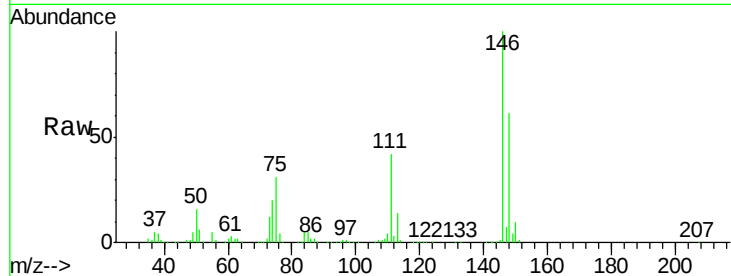
#91
 1,2-Dichlorobenzene
 Concen: 49.959 ug/l
 RT: 13.76 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.7
148	63.2	31.5	94.5

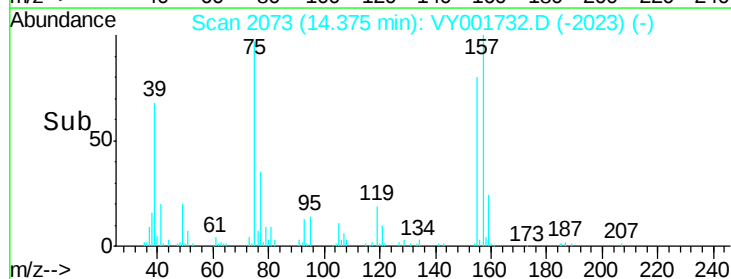
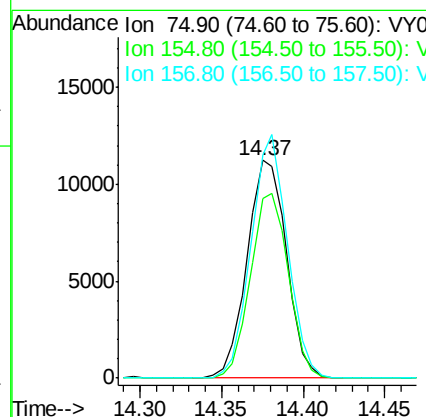
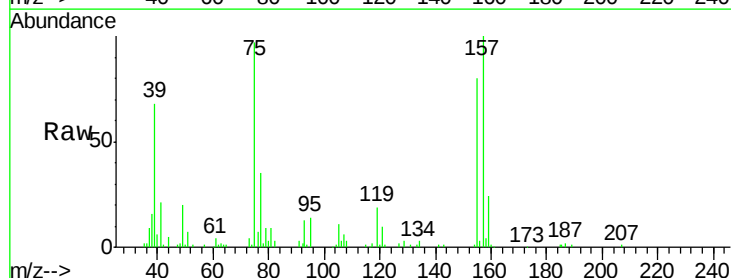
Manual Integrations
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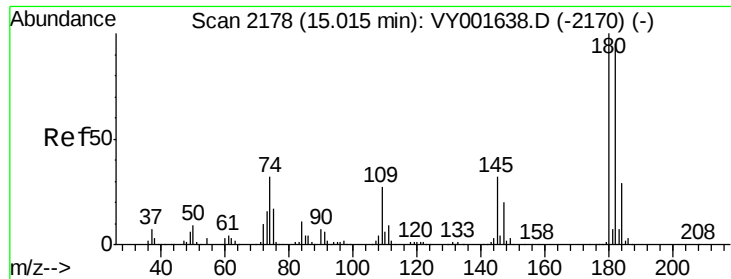
MMDadoda
 2/24/2020 11:09:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.970 ug/l
 RT: 14.37 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	40.8	122.4
157	103.7	52.1	156.4





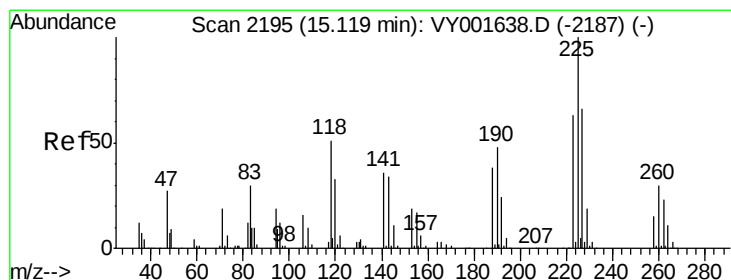
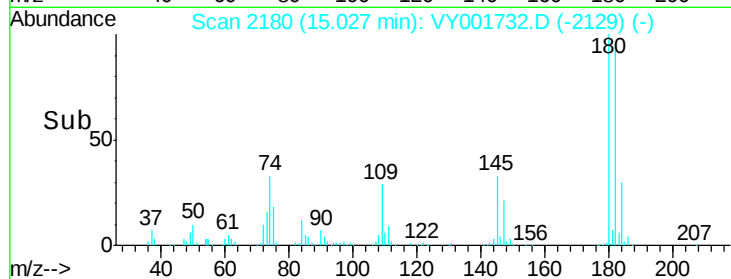
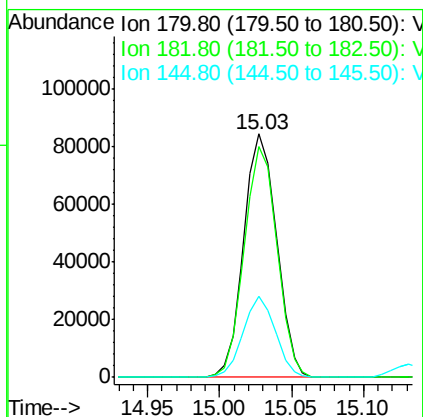
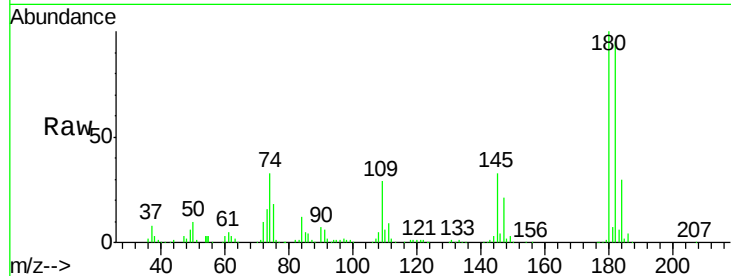
#93
 1,2,4-Trichlorobenzene
 Concen: 46.581 ug/l
 RT: 15.03 min Scan# 2180
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	133767		
182	94.4	46.8	140.3	
145	32.5	16.2	48.5	

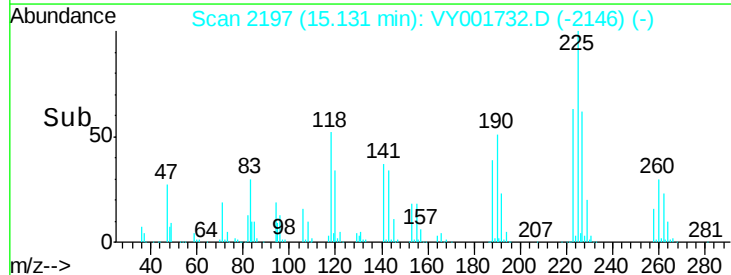
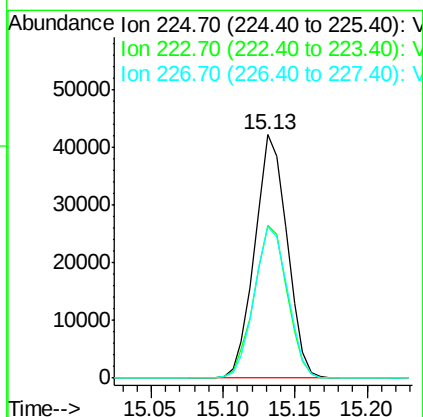
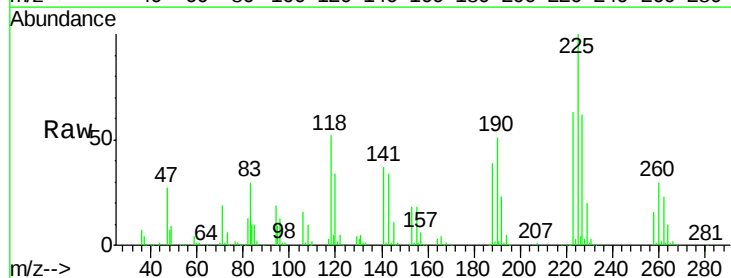
Manual Integrations
 APPROVED

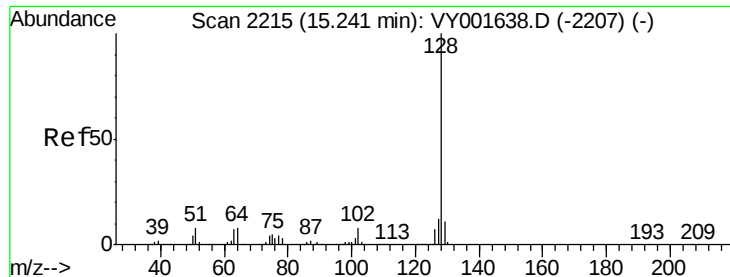
MMDadoda
 2/24/2020 11:09:35 AM



#94
 Hexachlorobutadiene
 Concen: 45.788 ug/l
 RT: 15.13 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: VY001732.D
 Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65393		
223	64.4	31.4	94.0	
227	64.4	31.6	94.8	





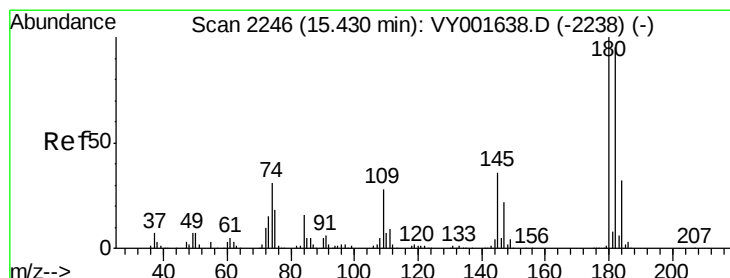
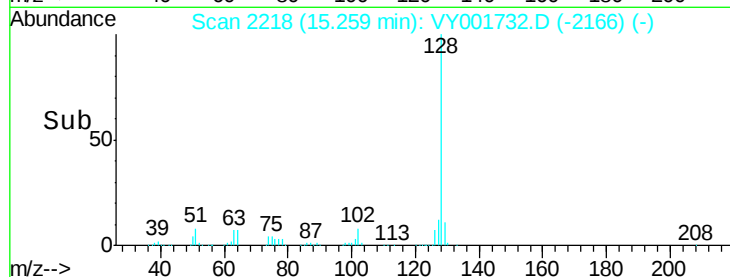
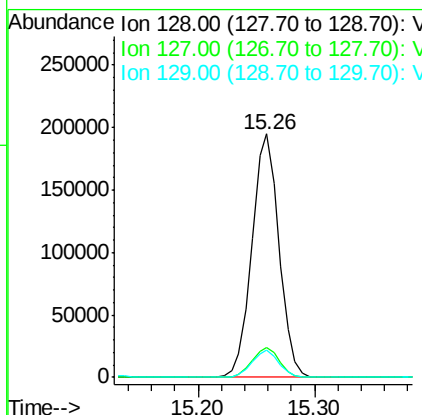
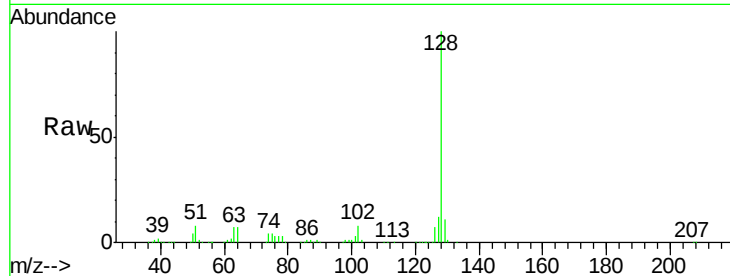
#95
Naphthalene
Concen: 47.691 ug/l
RT: 15.26 min Scan# 2218
Delta R.T. 0.02 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	315782		
127	12.3		9.9	14.9
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.363 ug/l
RT: 15.45 min Scan# 2249
Delta R.T. 0.02 min
Lab File: VY001732.D
Acq: 21 Feb 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117133		
182	94.7		47.2	141.6
145	33.6		17.3	52.0

