

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012920\
 Data File : VY001413.D
 Acq On : 29 Jan 2020 10:49
 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
 1/30/2020 10:27:22 AM

Quant Time: Jan 29 15:23:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	195241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	342157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	304125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	141733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	110510	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.75	113	105530	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.19	98	432172	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
62) 4-Bromofluorobenzene	12.49	95	161616	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	79252	51.473	ug/l	98
3) Chloromethane	2.13	50	116549	50.084	ug/l	99
4) Vinyl Chloride	2.27	62	124620	51.360	ug/l	99
5) Bromomethane	2.67	94	80404	49.202	ug/l	98
6) Chloroethane	2.82	64	80586	51.975	ug/l	97
7) Trichlorofluoromethane	3.15	101	166940	53.773	ug/l	98
8) Diethyl Ether	3.56	74	64678	49.352	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	109830	55.552	ug/l	99
10) Methyl Iodide	4.12	142	136669	52.412	ug/l	99
11) Tert butyl alcohol	4.99	59	60323	223.823	ug/l	100
12) 1,1-Dichloroethene	3.90	96	109958	53.044	ug/l	95
13) Acrolein	3.76	56	43929	280.351	ug/l	100
14) Allyl chloride	4.52	41	199794	54.046	ug/l	98
15) Acrylonitrile	5.21	53	166492	248.185	ug/l	100
16) Acetone	3.98	43	164494	295.294	ug/l	99
17) Carbon Disulfide	4.22	76	324683	49.801	ug/l	98
18) Methyl Acetate	4.51	43	85118	47.510	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	306375	50.477	ug/l	100
20) Methylene Chloride	4.76	84	133331	50.899	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	123447	51.267	ug/l	95
22) Diisopropyl ether	6.16	45	414411	52.791	ug/l	96
23) Vinyl Acetate	6.10	43	1313710	257.778	ug/l	99
24) 1,1-Dichloroethane	6.07	63	221022	53.417	ug/l	97
25) 2-Butanone	7.02	43	235354	254.520	ug/l	99
26) 2,2-Dichloropropane	7.02	77	195712	53.101	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	141462	52.567	ug/l	98
28) Bromochloromethane	7.36	49	98271	57.590	ug/l	98
29) Tetrahydrofuran	7.38	42	145573	241.978	ug/l	98
30) Chloroform	7.54	83	213268	52.585	ug/l	99
31) Cyclohexane	7.82	56	210494	51.238	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	185516	54.174	ug/l	99
36) 1,1-Dichloropropene	7.95	75	173764	53.755	ug/l	100
37) Ethyl Acetate	7.11	43	98777	50.014	ug/l	100
38) Carbon Tetrachloride	7.93	117	159002	55.192	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	221525	53.495	ug/l	98
40) Benzene	8.19	78	514638	53.097	ug/l	99
41) Methacrylonitrile	7.35	41	50810m	49.855	ug/l	
42) 1,2-Dichloroethane	8.27	62	140508	51.882	ug/l	100
43) Isopropyl Acetate	8.30	43	196421	51.147	ug/l	99
44) Trichloroethene	8.96	130	130144	52.325	ug/l	96
45) 1,2-Dichloropropane	9.24	63	131926	53.843	ug/l	100
46) Dibromomethane	9.33	93	67550	51.353	ug/l	98
47) Bromodichloromethane	9.52	83	168693	53.647	ug/l	98
48) Methyl methacrylate	9.31	41	88885	50.913	ug/l	97
49) 1,4-Dioxane	9.32	88	18582	1001.739	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	493542	249.552	ug/l	100
52) Toluene	10.26	92	330134	53.732	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	185819	53.314	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	212285	53.065	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	102277	52.679	ug/l	96
56) Ethyl methacrylate	10.52	69	151415	51.599	ug/l	96
57) 1,3-Dichloropropane	10.80	76	177705	52.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	243672	239.972	ug/l	99
59) 2-Hexanone	10.85	43	358671	260.506	ug/l	100
60) Dibromochloromethane	11.00	129	115540	53.208	ug/l	99
61) 1,2-Dibromoethane	11.10	107	96781	52.730	ug/l	100
64) Tetrachloroethene	10.74	164	100926	51.953	ug/l	99
65) Chlorobenzene	11.53	112	341275	53.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	117623	53.766	ug/l	99
67) Ethyl Benzene	11.61	91	634608	53.717	ug/l	99
68) m/p-Xylenes	11.72	106	473138	107.231	ug/l	100
69) o-Xylene	12.04	106	227231	53.533	ug/l	100
70) Styrene	12.06	104	396269	53.209	ug/l	100
71) Bromoform	12.22	173	65678	50.292	ug/l #	99
73) Isopropylbenzene	12.34	105	616266	55.103	ug/l	100
74) N-amyl acetate	12.16	43	186251	50.876	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	128265	53.551	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	92021m	53.880	ug/l	
77) Bromobenzene	12.62	156	132486	53.484	ug/l	97
78) n-propylbenzene	12.69	91	752014	55.864	ug/l	99
79) 2-Chlorotoluene	12.77	91	424287	55.172	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	510980	54.735	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	48711	53.973	ug/l	93
82) 4-Chlorotoluene	12.87	91	446958	54.411	ug/l	99
83) tert-Butylbenzene	13.09	119	437687	55.621	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	507542	54.152	ug/l	100
85) sec-Butylbenzene	13.27	105	632727	56.593	ug/l	100
86) p-Isopropyltoluene	13.38	119	543949	55.209	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	256165	53.695	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	256800	53.015	ug/l	99
89) n-Butylbenzene	13.71	91	551860	55.655	ug/l	99
90) Hexachloroethane	13.97	117	105334	56.402	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	233297	53.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	20648	49.958	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	147226	49.857	ug/l	99
94) Hexachlorobutadiene	15.13	225	74343	51.705	ug/l	99
95) Naphthalene	15.25	128	334989	49.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	127685	49.292	ug/l	99

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

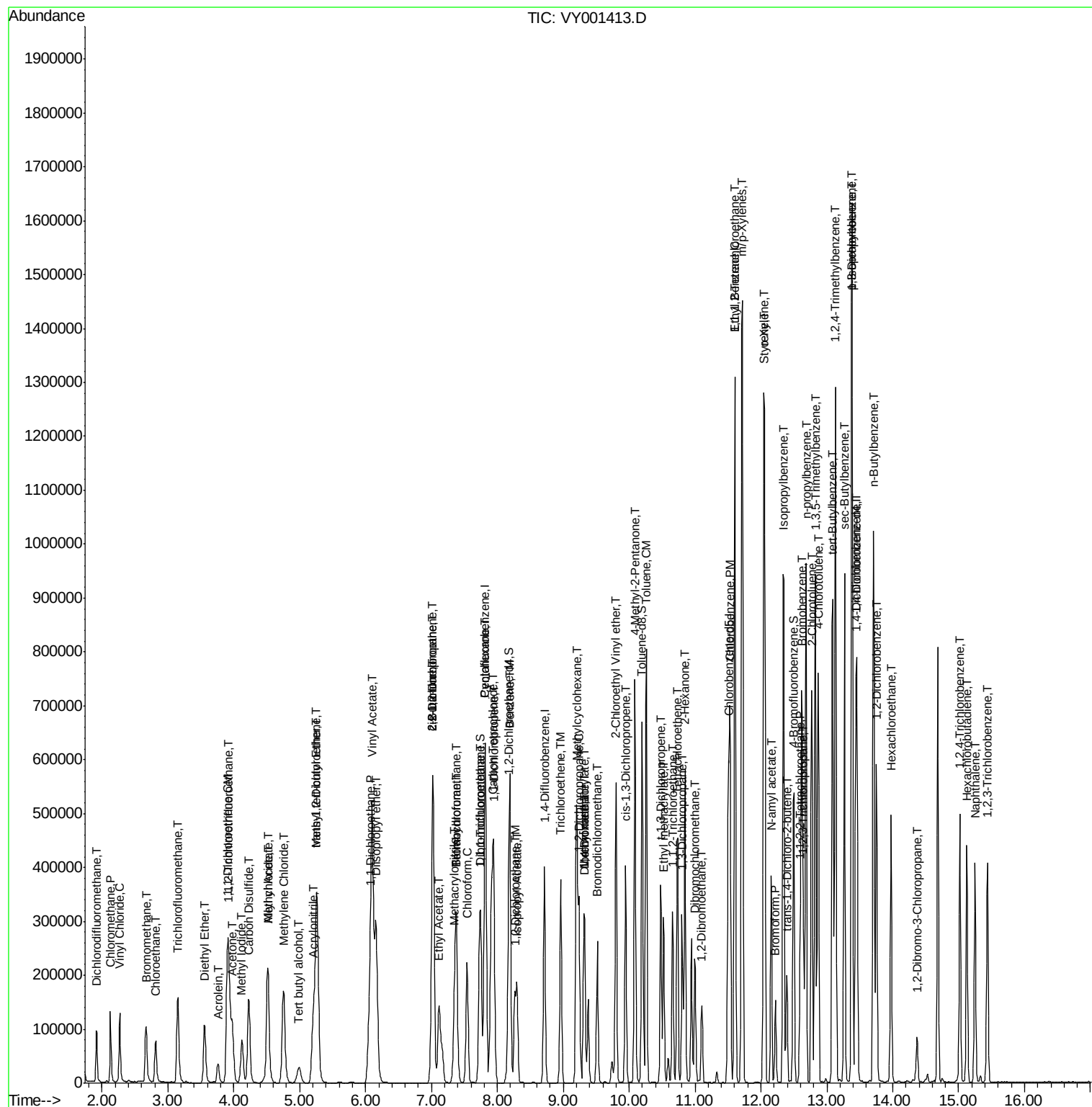
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012920\
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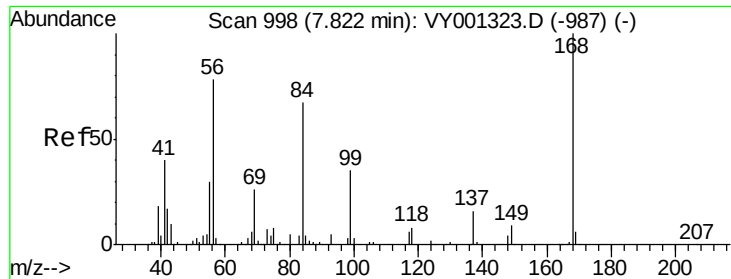
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 195241

Ion Ratio Lower Upper

168 100

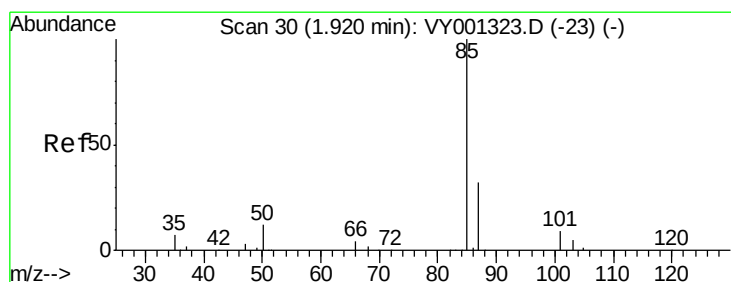
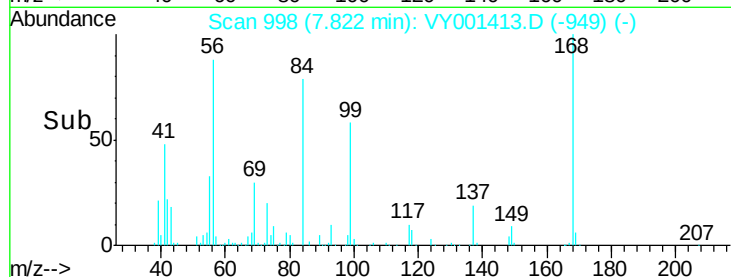
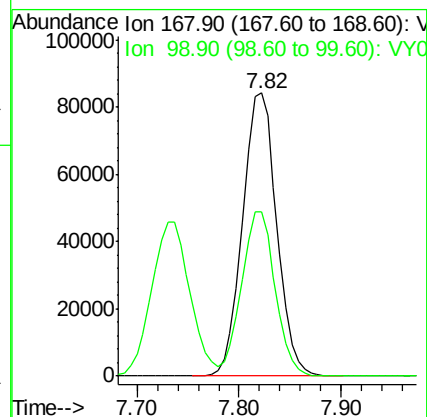
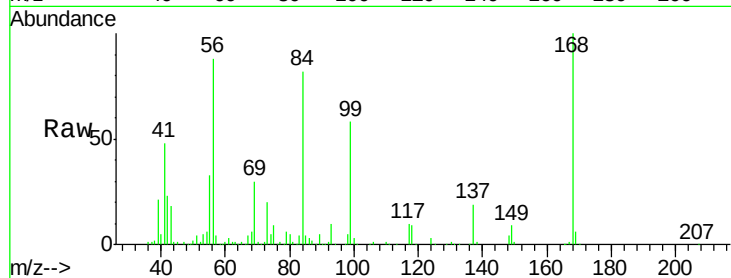
99 58.2 44.3 66.5

Manual Integrations

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1/30/2020 10:27:22 AM



#2

Dichlorodifluoromethane

Concen: 51.473 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001413.D

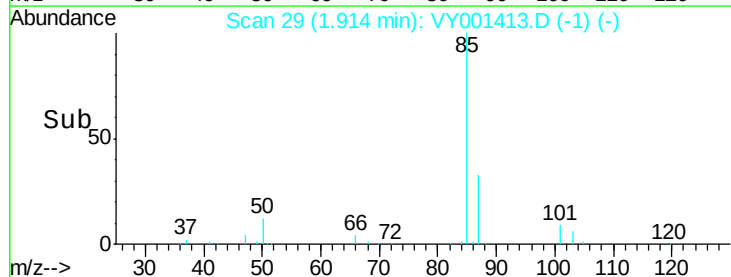
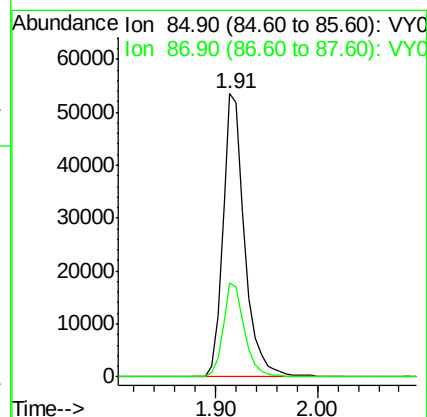
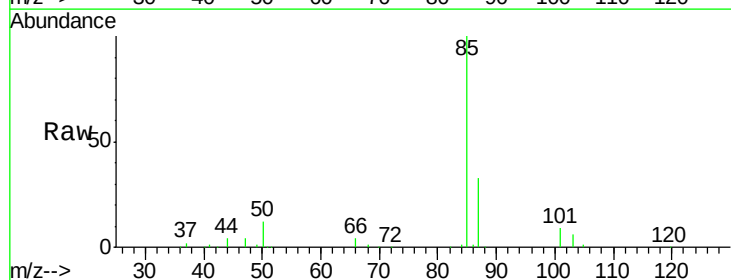
Acq: 29 Jan 2020 10:49

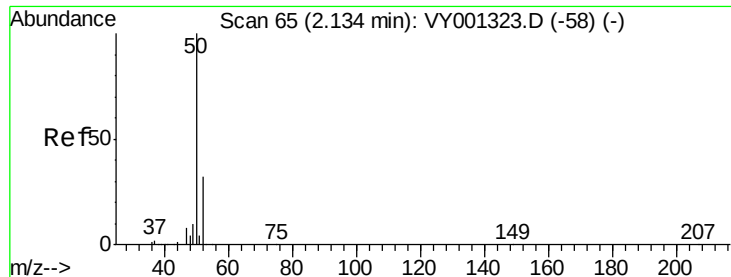
Tgt Ion: 85 Resp: 79252

Ion Ratio Lower Upper

85 100

87 33.2 16.0 48.0





#3

Chloromethane

Concen: 50.084 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 116549

Ion Ratio Lower Upper

50 100

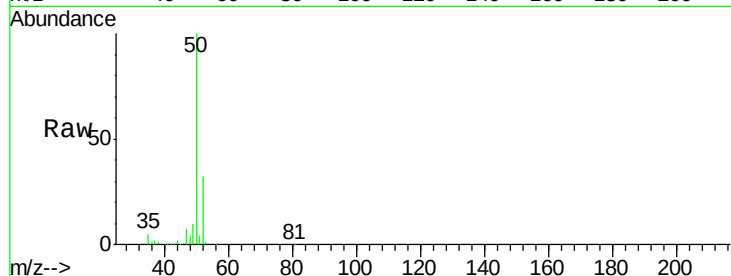
52 31.7 25.7 38.5

Manual Integrations

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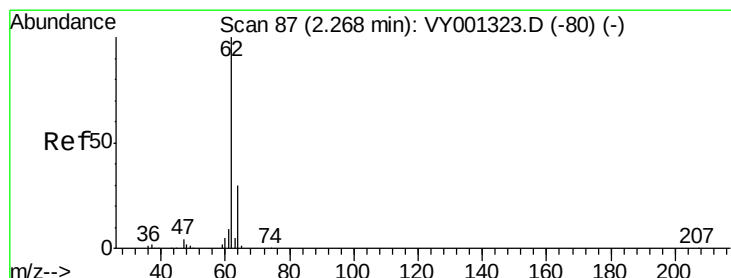
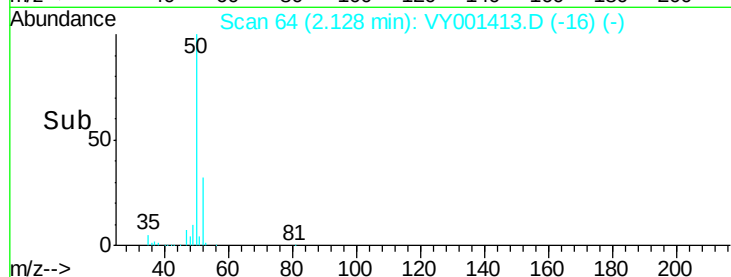
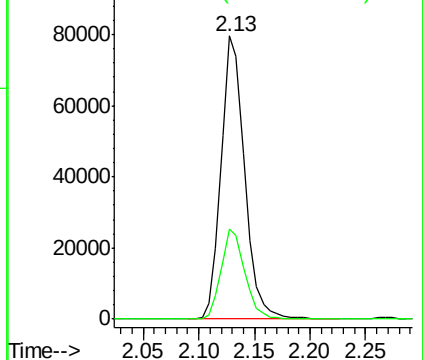
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 51.360 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001413.D

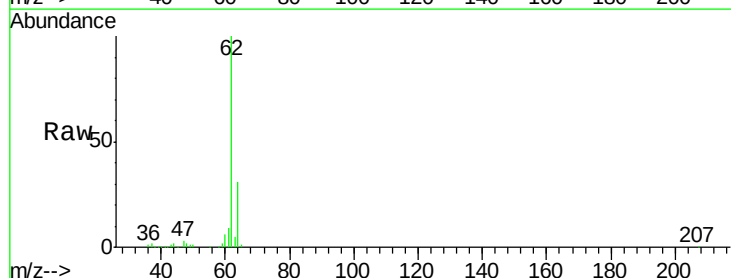
Acq: 29 Jan 2020 10:49

Tgt Ion: 62 Resp: 124620

Ion Ratio Lower Upper

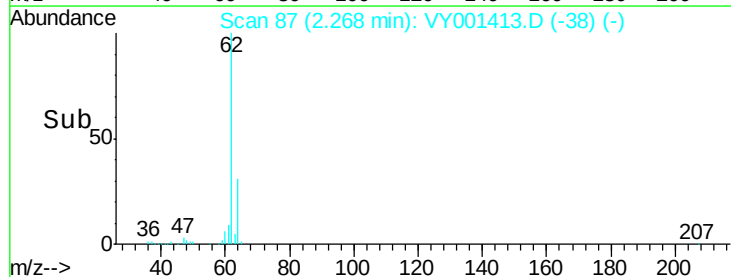
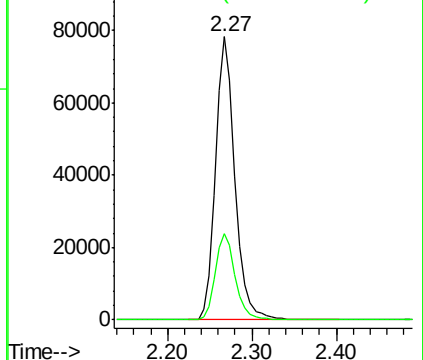
62 100

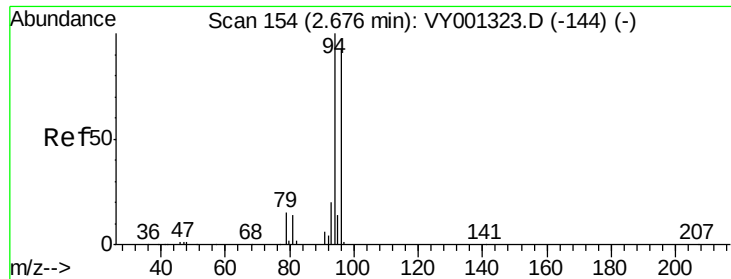
64 30.7 23.9 35.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 49.202 ug/l

RT: 2.67 min Scan# 153

Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 80404

Ion Ratio Lower Upper

94 100

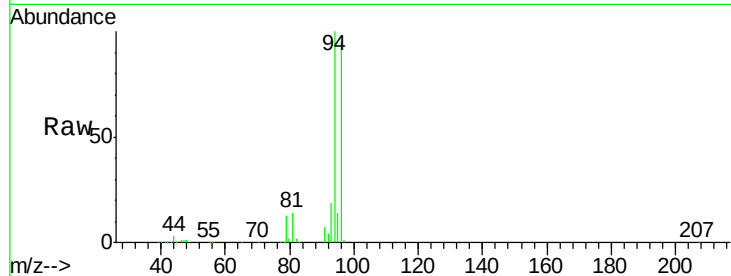
96 95.4 74.6 111.8

Manual Integrations

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1/30/2020 10:27:22 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.67

40000

30000

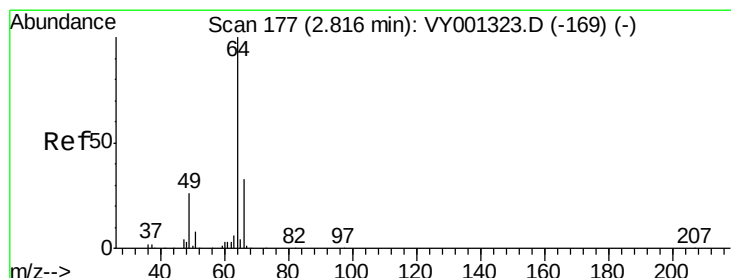
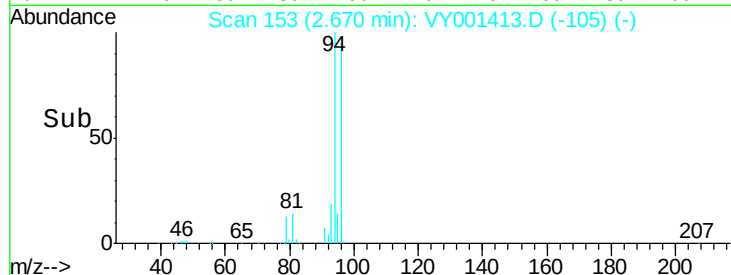
20000

10000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 51.975 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.00 min

Lab File: VY001413.D

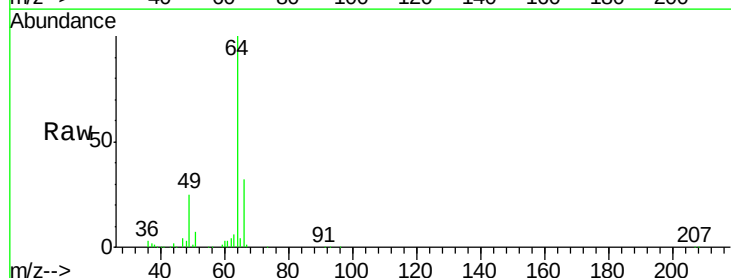
Acq: 29 Jan 2020 10:49

Tgt Ion: 64 Resp: 80586

Ion Ratio Lower Upper

64 100

66 32.1 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.82

40000

30000

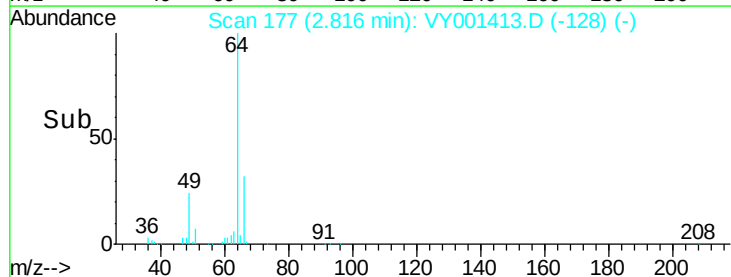
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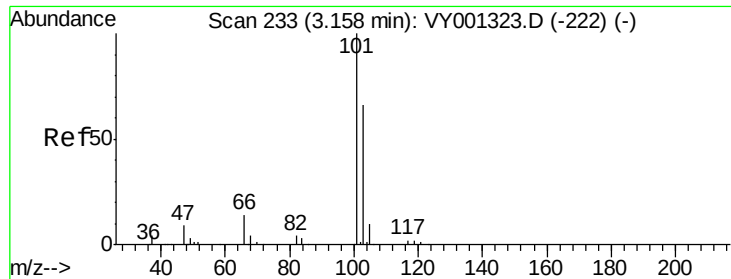
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0

Time-->

2.70 2.80 2.90 3.00





#7

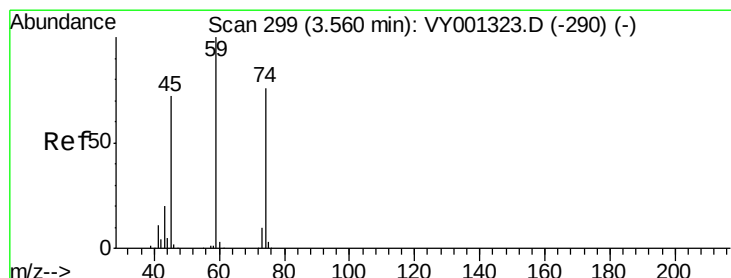
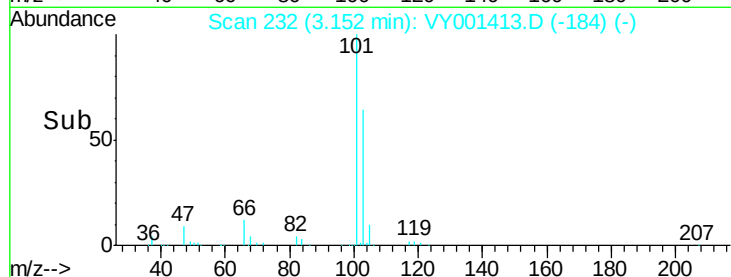
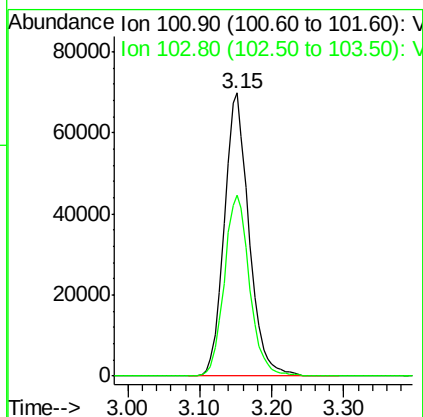
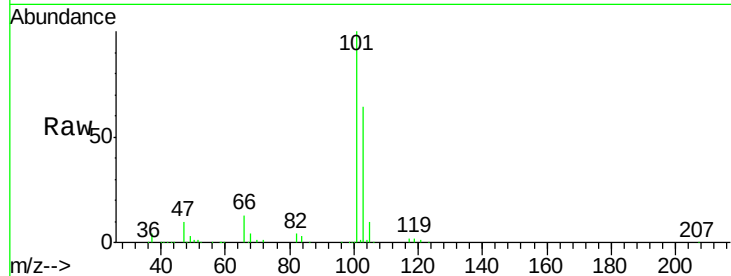
Trichlorofluoromethane
 Concen: 53.773 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VY001413.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		166940		
103	63.8	52.5	78.7		

Manual Integrations
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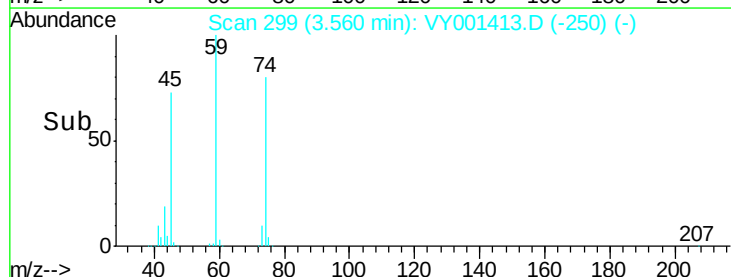
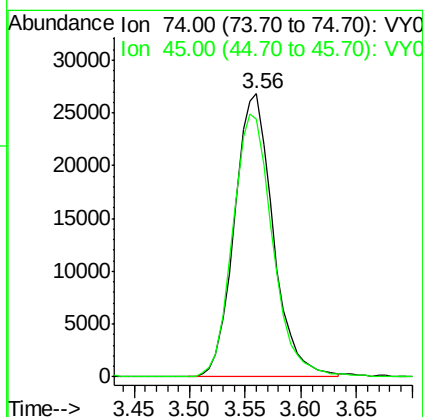
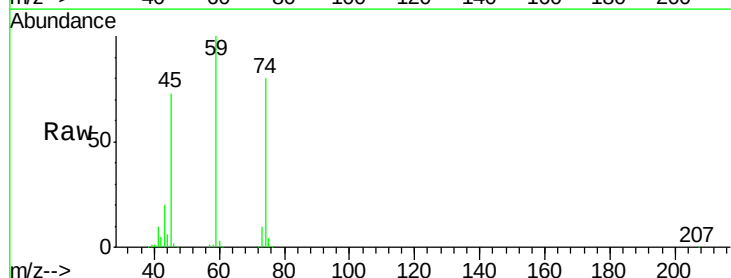
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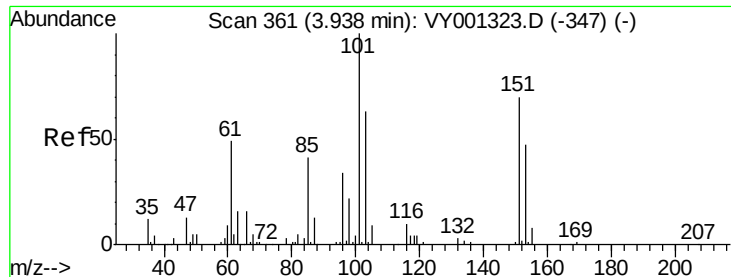


#8

Diethyl Ether
 Concen: 49.352 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.00 min
 Lab File: VY001413.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		64678		
45	96.0	47.2	141.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.552 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

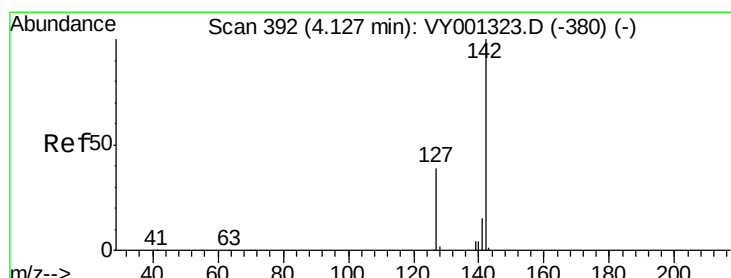
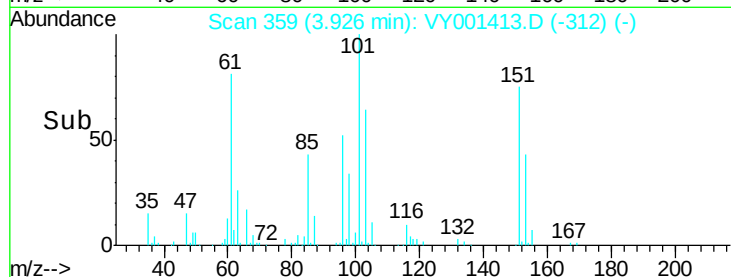
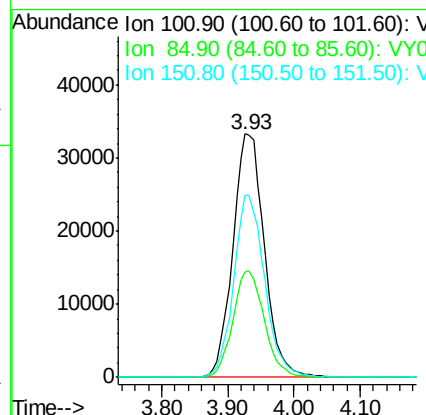
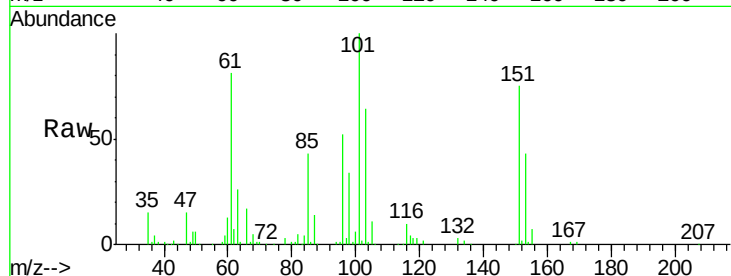
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	109830
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.9	52.3
151	73.8	59.9	89.9

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#10

Methyl Iodide

Concen: 52.412 ug/l

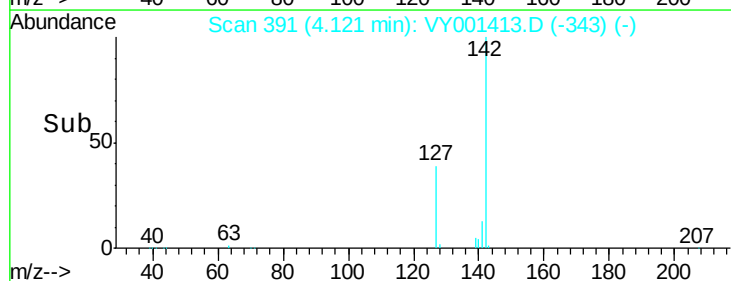
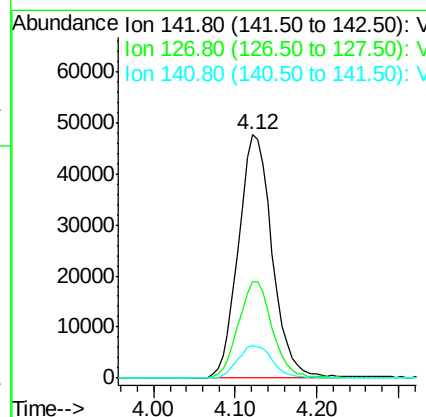
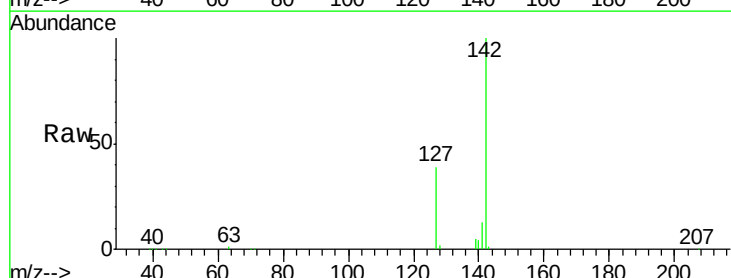
RT: 4.12 min Scan# 391

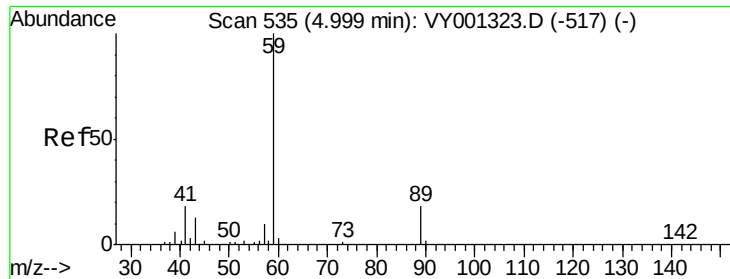
Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion:	142	Resp:	136669
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.6	47.4
141	13.9	11.2	16.8





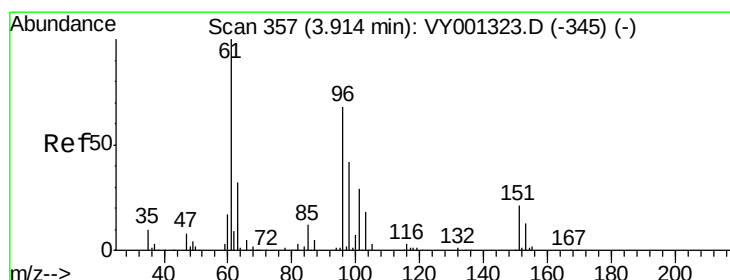
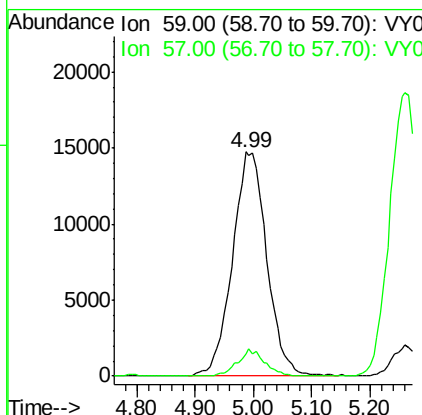
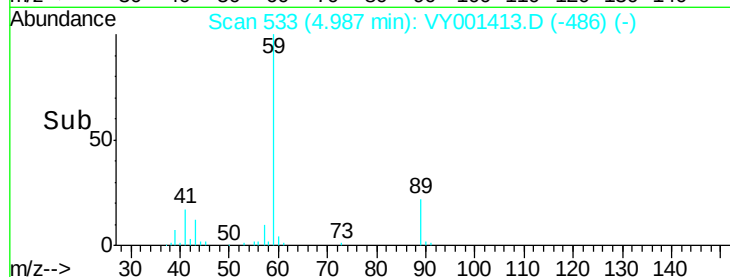
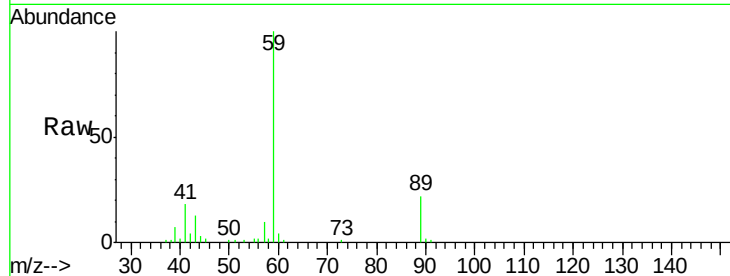
#11
Tert butyl alcohol
Concen: 223.823 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 60323
Ion Ratio Lower Upper
59 100
57 9.5 7.4 11.2

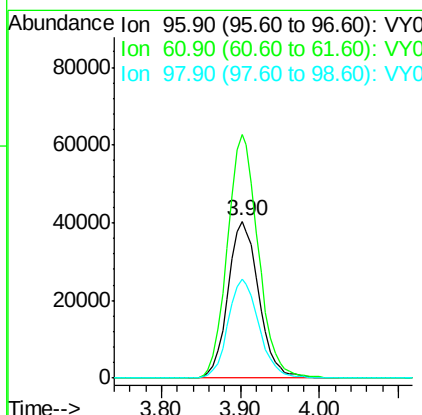
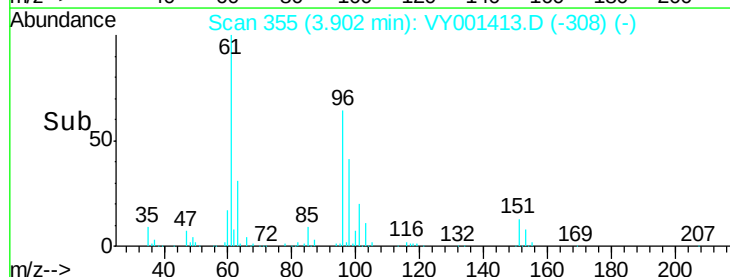
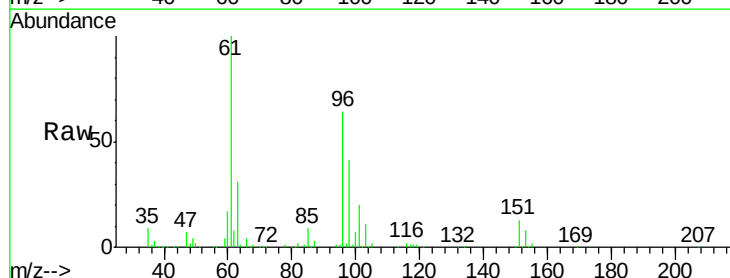
Manual Integrations
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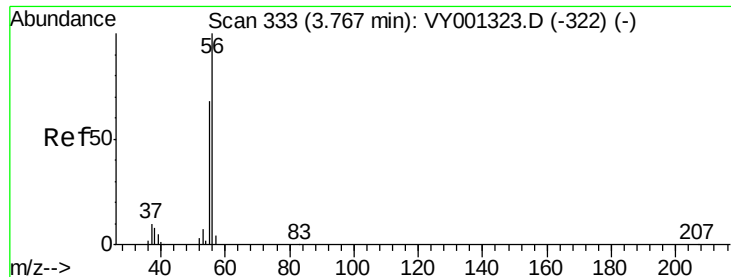
MMDadoda
1/30/2020 10:27:22 AM



#12
1,1-Dichloroethene
Concen: 53.044 ug/l
RT: 3.90 min Scan# 355
Delta R.T. -0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion: 96 Resp: 109958
Ion Ratio Lower Upper
96 100
61 155.1 118.0 177.0
98 63.2 49.4 74.2





#13

Acrolein

Concen: 280.351 ug/l

RT: 3.76 min Scan# 332

Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43929

Ion Ratio Lower Upper

56 100

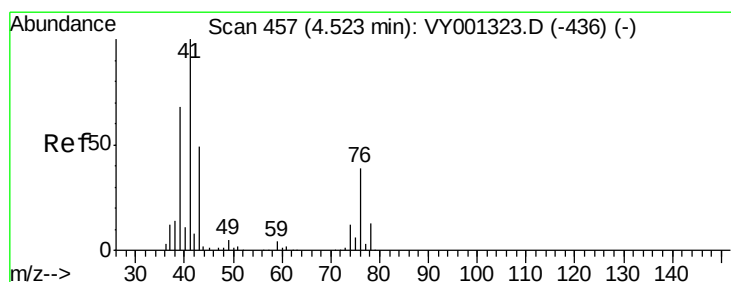
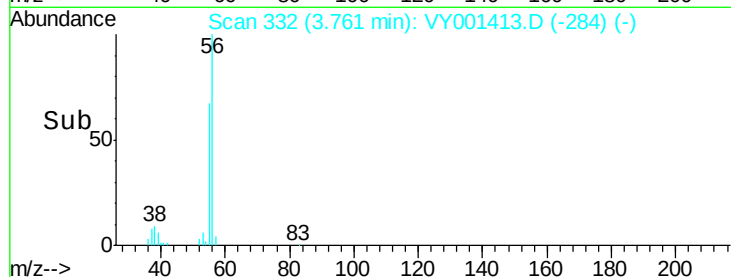
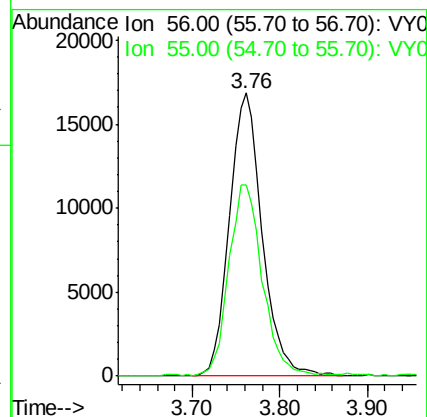
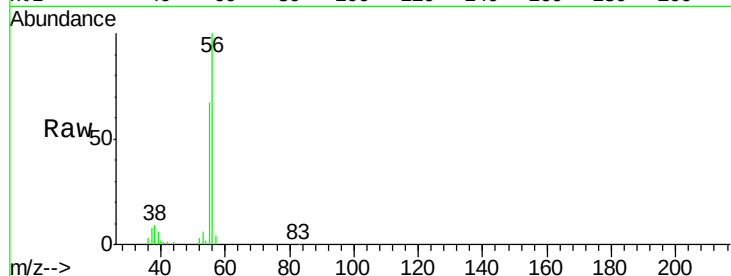
55 69.7 55.9 83.9

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#14

Allyl chloride

Concen: 54.046 ug/l

RT: 4.52 min Scan# 456

Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

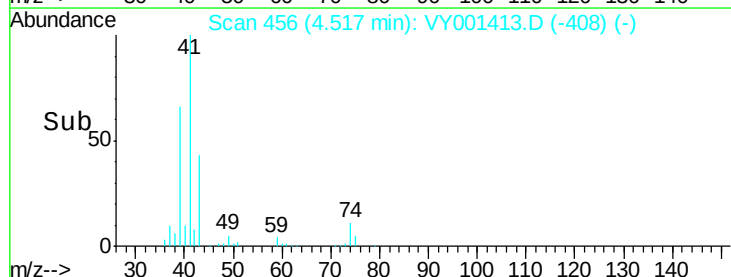
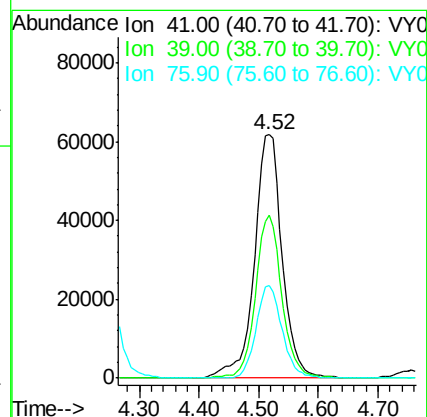
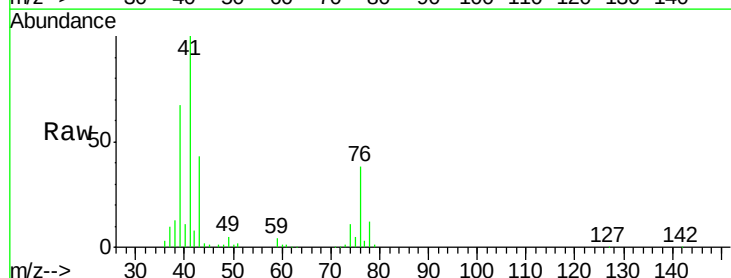
Tgt Ion: 41 Resp: 199794

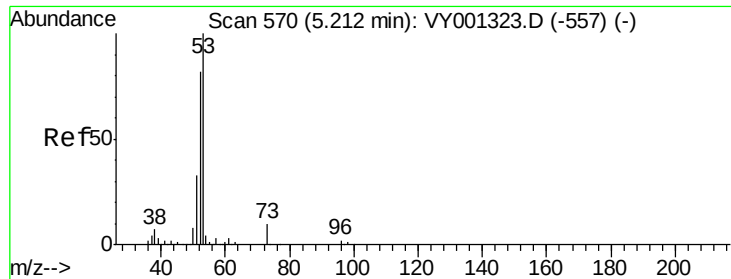
Ion Ratio Lower Upper

41 100

39 63.4 52.2 78.4

76 35.5 29.1 43.7





#15

Acrylonitrile

Concen: 248.185 ug/l

RT: 5.21 min Scan# 569

Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

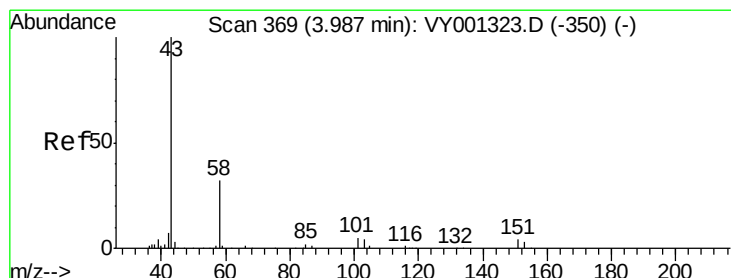
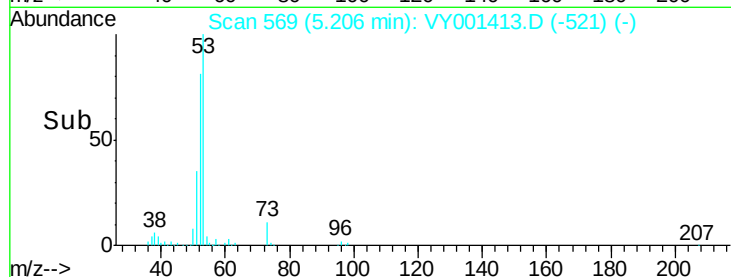
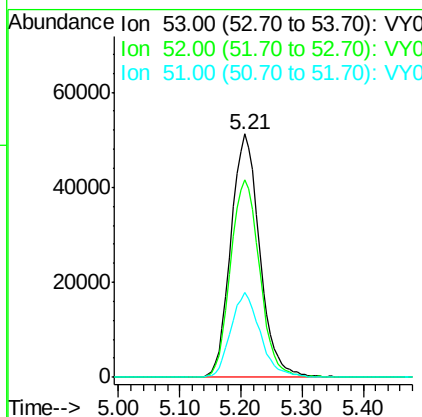
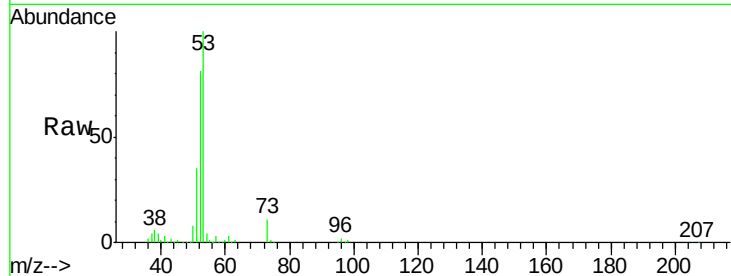
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	166492
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.3	97.9
51	35.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 295.294 ug/l

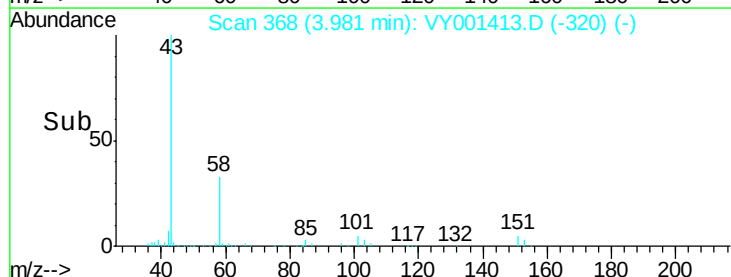
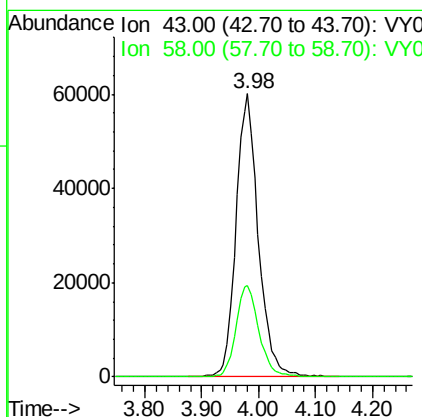
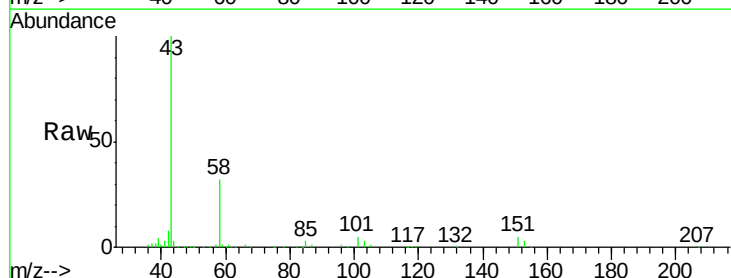
RT: 3.98 min Scan# 368

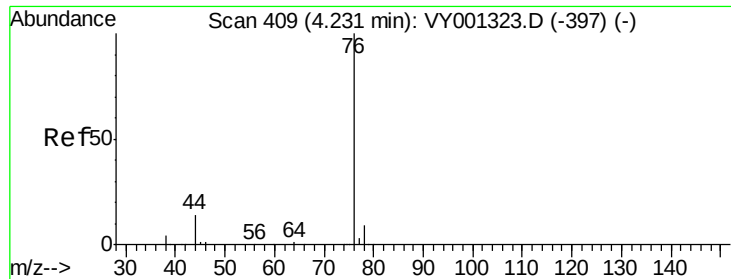
Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion:	43	Resp:	164494
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.4	38.0





#17

Carbon Disulfide

Concen: 49.801 ug/l

RT: 4.22 min Scan# 408

Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 324683

Ion Ratio Lower Upper

76 100

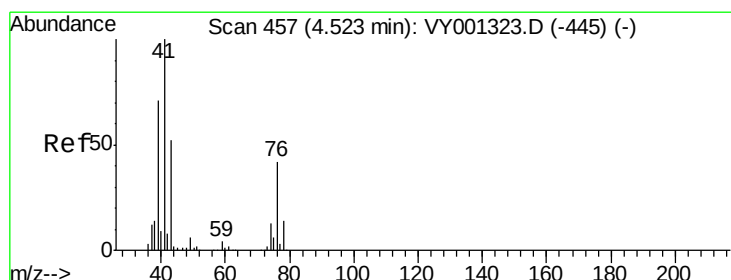
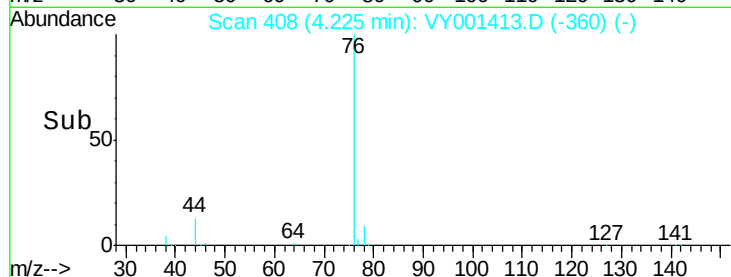
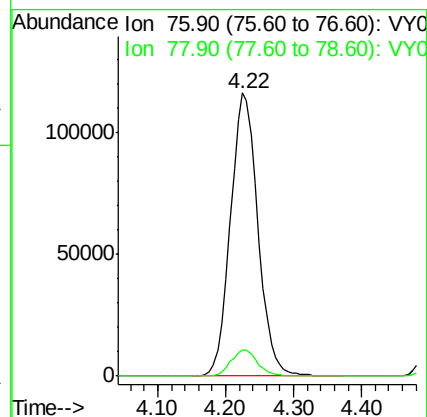
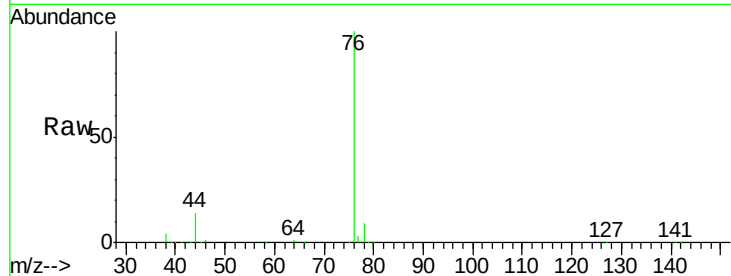
78 9.4 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 47.510 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.01 min

Lab File: VY001413.D

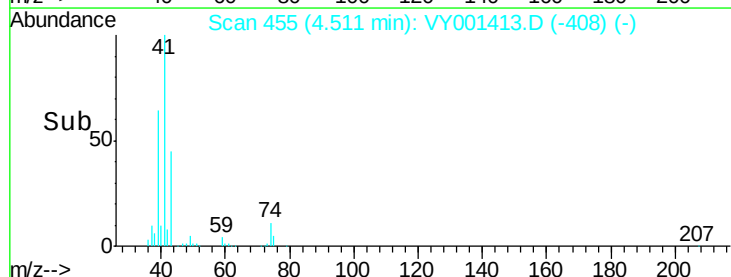
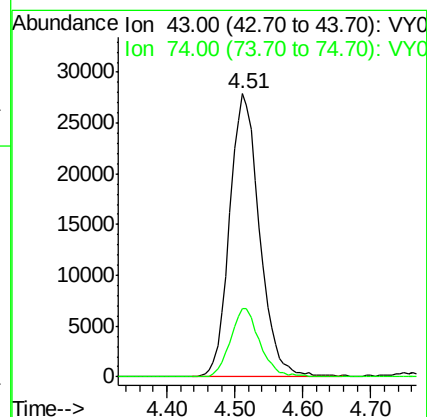
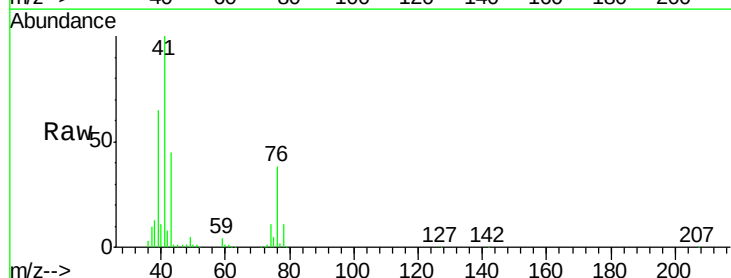
Acq: 29 Jan 2020 10:49

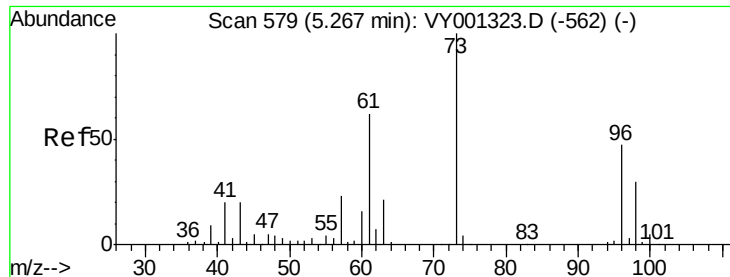
Tgt Ion: 43 Resp: 85118

Ion Ratio Lower Upper

43 100

74 23.7 19.4 29.2





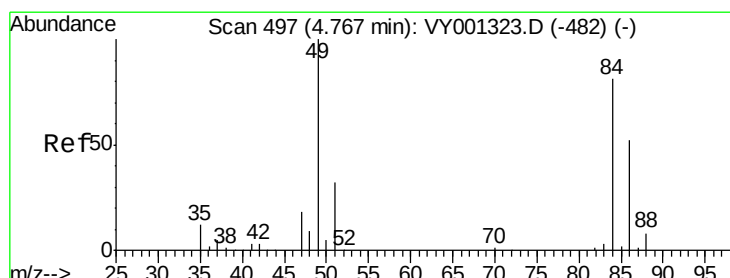
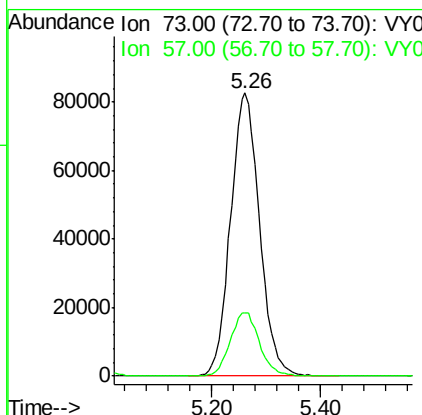
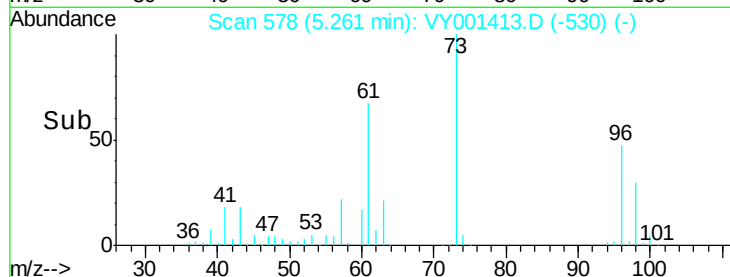
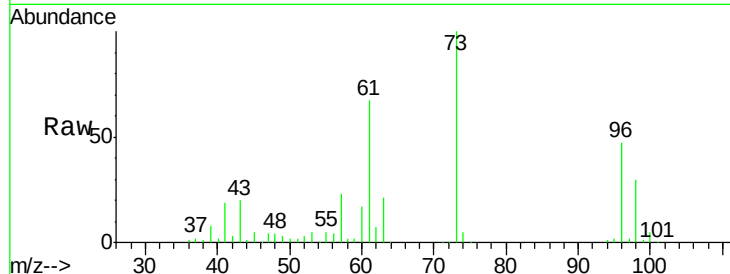
#19
Methyl tert-butyl Ether
Concen: 50.477 ug/l
RT: 5.26 min Scan# 578
Delta R.T. -0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 306375
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2

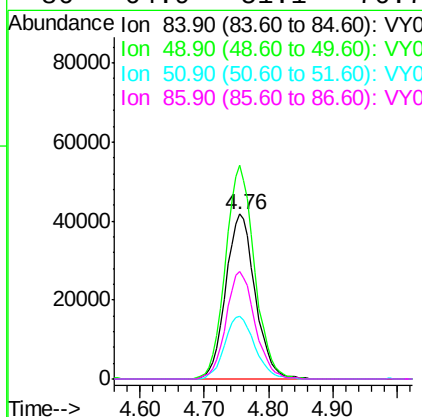
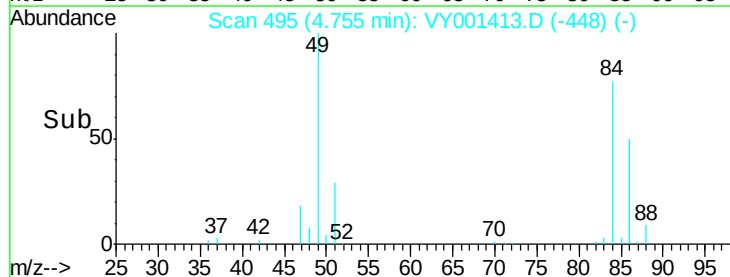
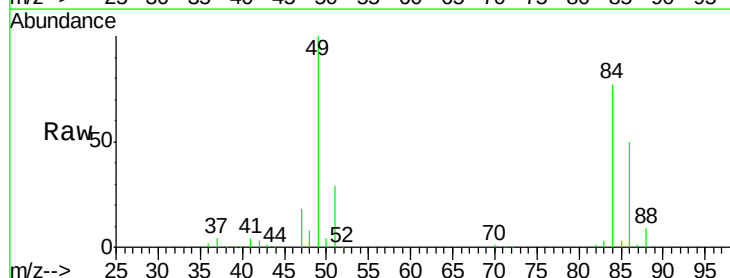
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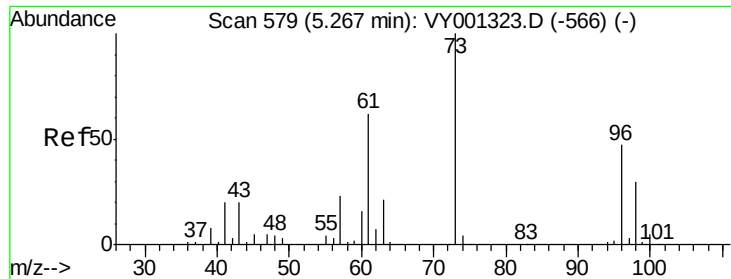
MMDadoda
1/30/2020 10:27:22 AM



#20
Methylene Chloride
Concen: 50.899 ug/l
RT: 4.76 min Scan# 495
Delta R.T. -0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion: 84 Resp: 133331
Ion Ratio Lower Upper
84 100
49 129.5 98.3 147.5
51 38.0 31.6 47.4
86 64.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 51.267 ug/l

RT: 5.26 min Scan# 578

Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

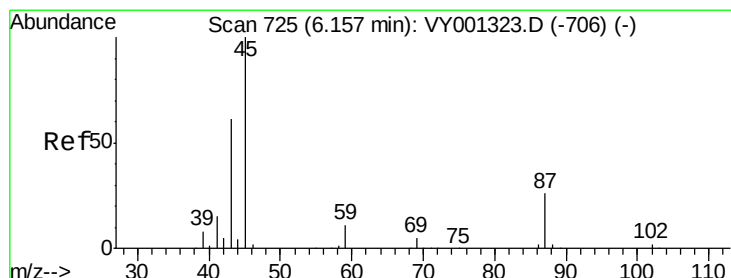
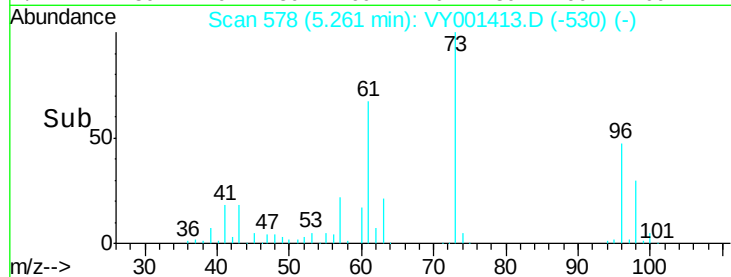
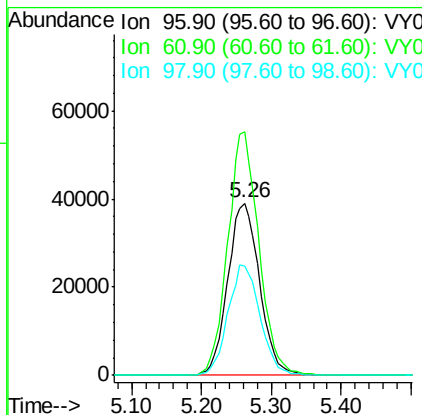
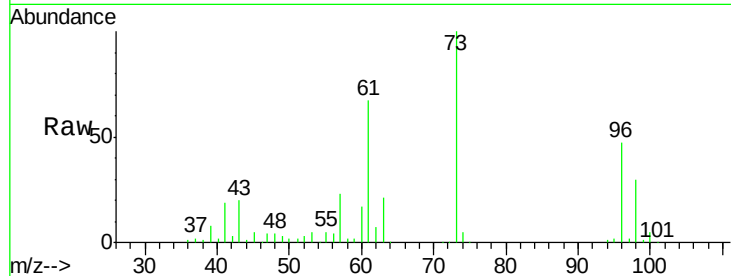
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	123447
Ion	Ratio	Lower	Upper
96	100		
61	141.2	106.8	160.2
98	63.2	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.791 ug/l

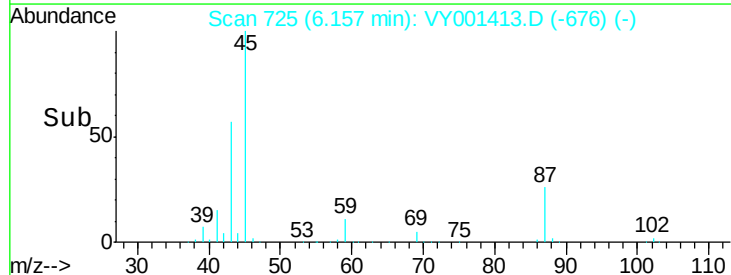
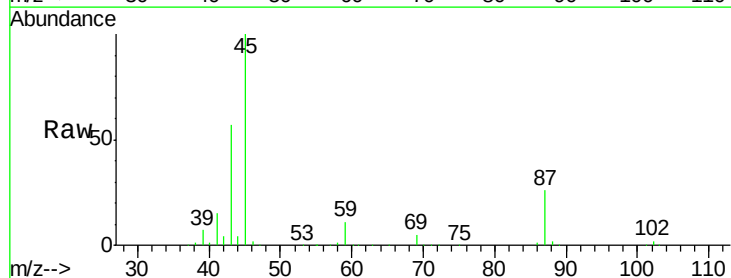
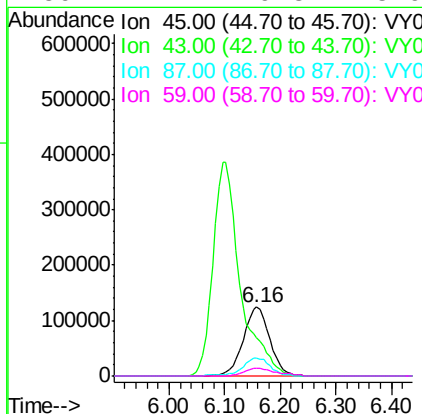
RT: 6.16 min Scan# 725

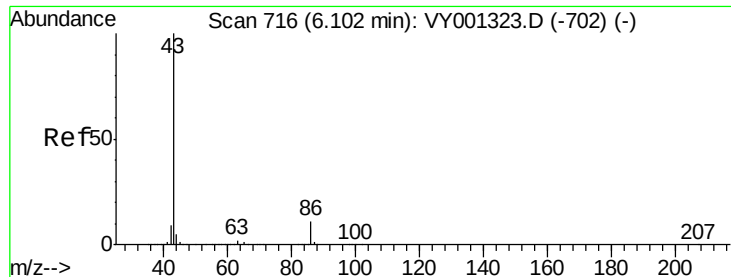
Delta R.T. 0.00 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion:	45	Resp:	414411
Ion	Ratio	Lower	Upper
45	100		
43	56.5	49.2	73.8
87	26.3	21.4	32.2
59	11.4	9.3	13.9





#23

Vinyl Acetate

Concen: 257.778 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.00 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1313710

Ion Ratio Lower Upper

43 100

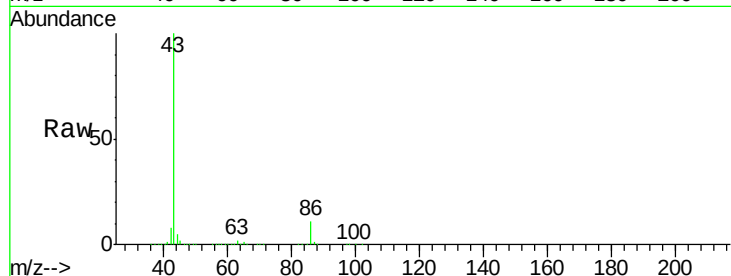
86 10.5 8.6 13.0

Manual Integrations

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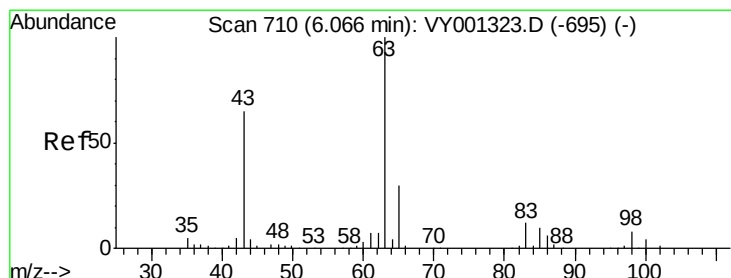
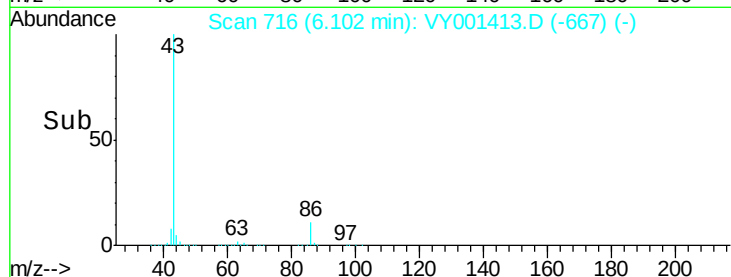
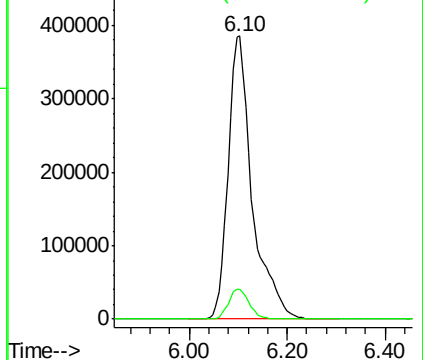
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 53.417 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

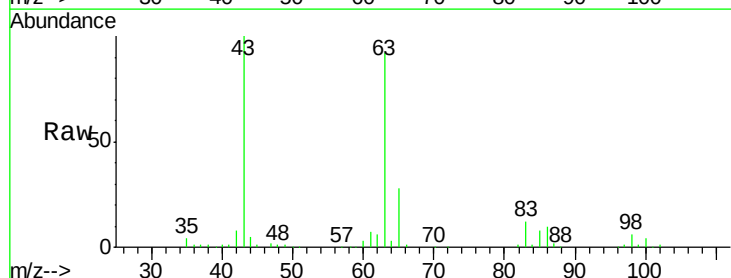
Tgt Ion: 63 Resp: 221022

Ion Ratio Lower Upper

63 100

98 6.6 4.0 12.0

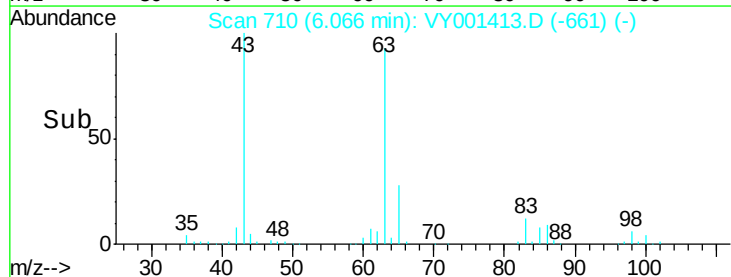
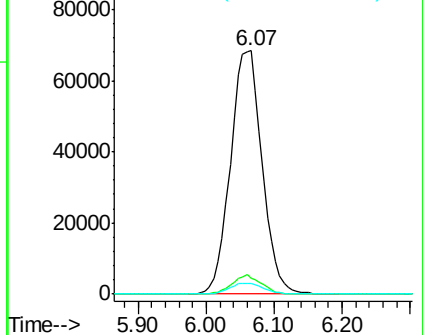
100 4.6 2.1 6.3

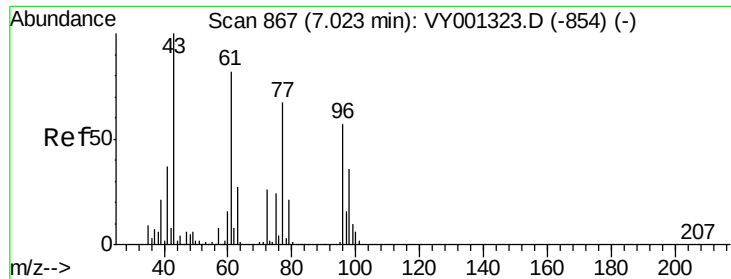


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





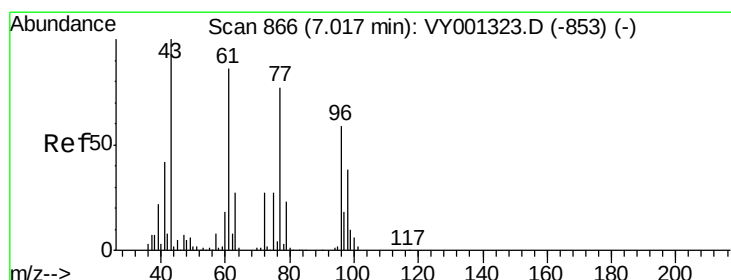
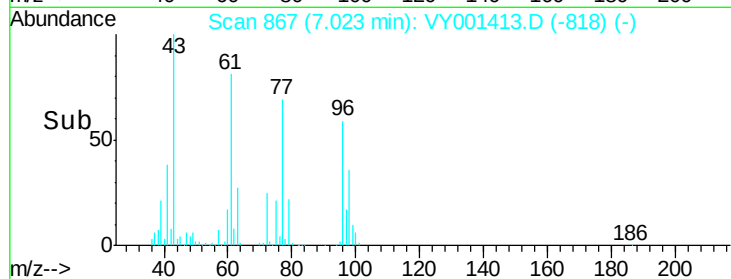
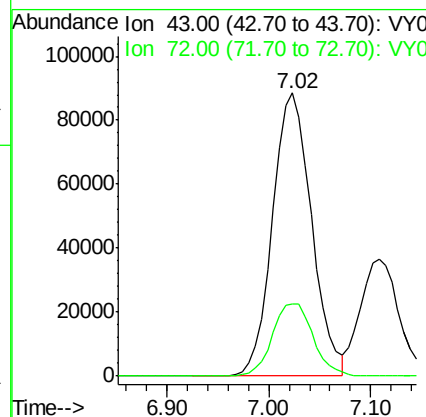
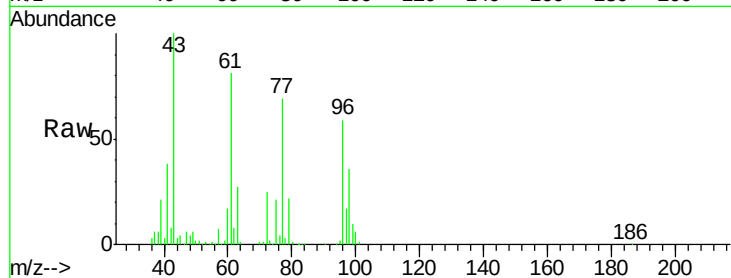
#25
2-Butanone
Concen: 254.520 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.00 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 235354
Ion Ratio Lower Upper
43 100
72 25.3 20.6 31.0

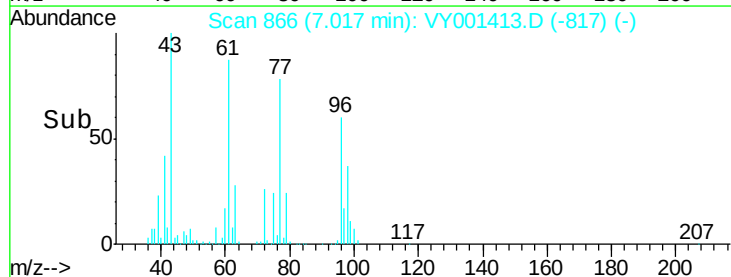
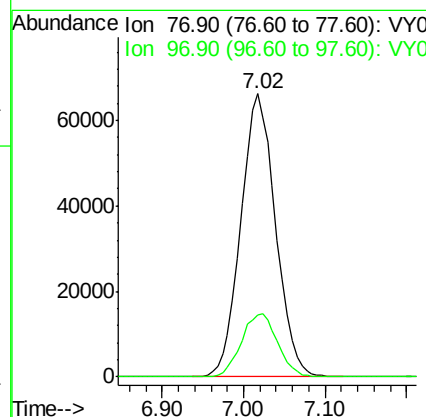
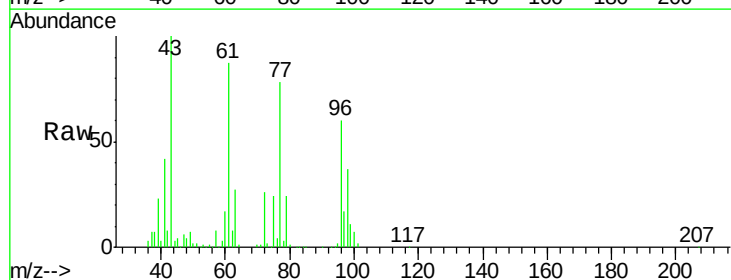
Manual Integrations
APPROVED

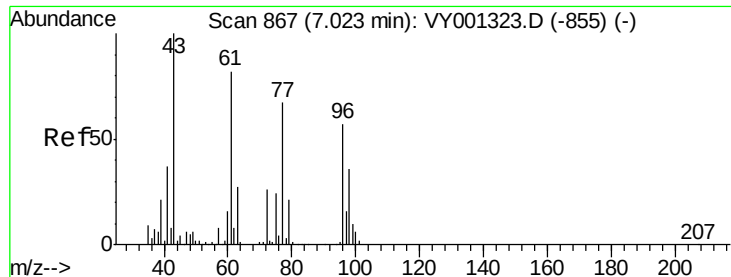
MMDadoda
1/30/2020 10:27:22 AM



#26
2,2-Dichloropropane
Concen: 53.101 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion: 77 Resp: 195712
Ion Ratio Lower Upper
77 100
97 23.2 11.9 35.5





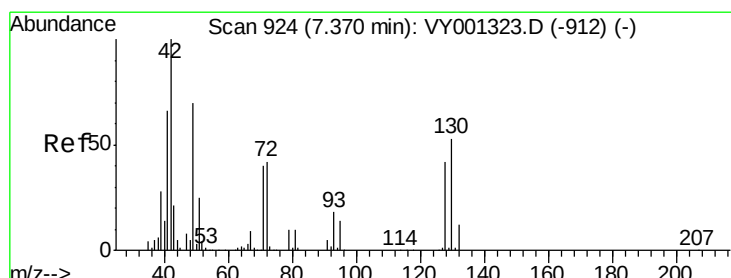
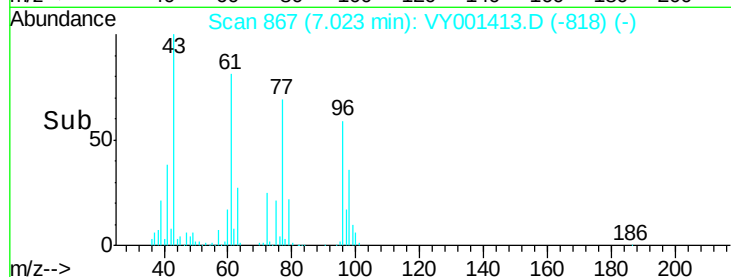
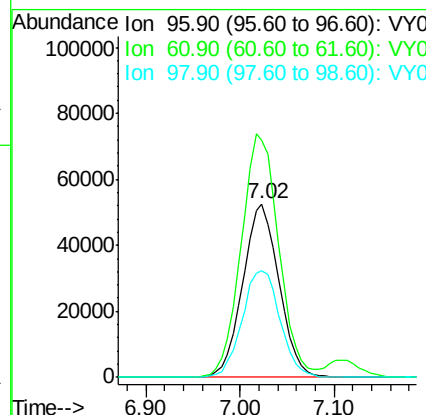
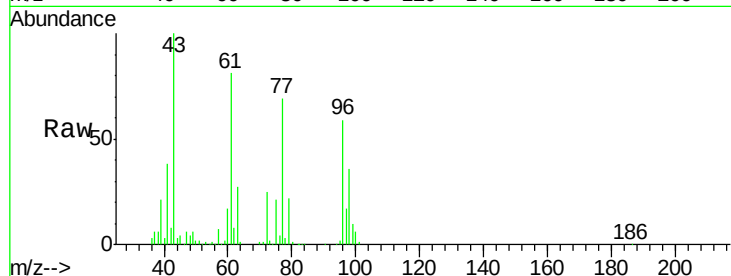
#27
 cis-1,2-Dichloroethene
 Concen: 52.567 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.2	0.0	284.8	
98	64.2	0.0	128.4	

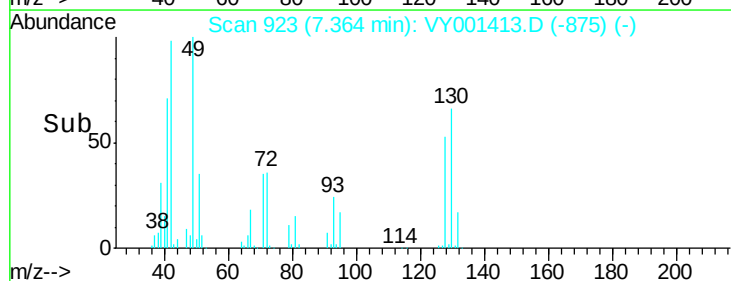
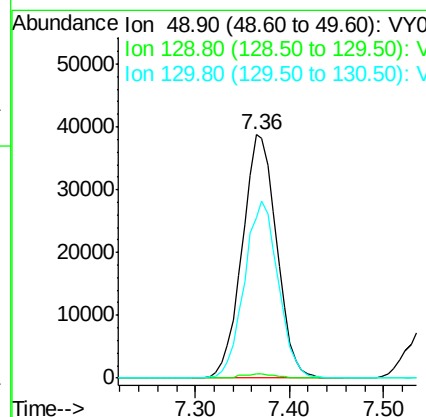
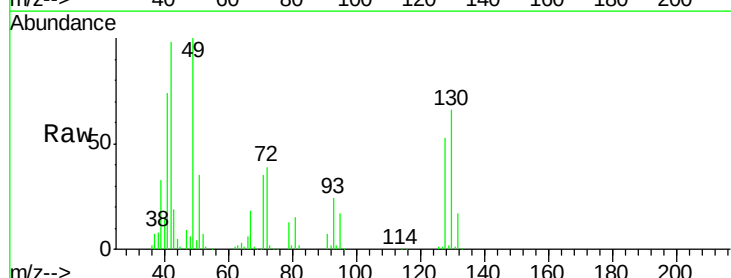
Manual Integrations
 APPROVED

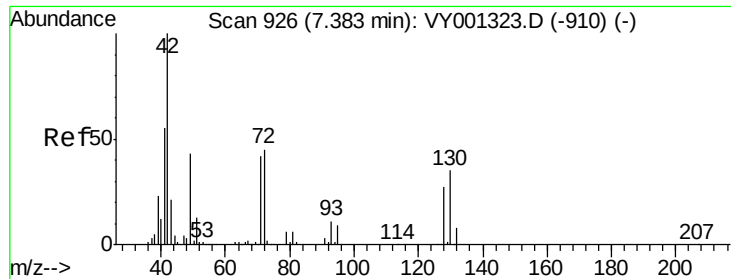
MMDadoda
 1/30/2020 10:27:22 AM



#28
 Bromochloromethane
 Concen: 57.590 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	4.0	
130	71.6	58.9	88.3	





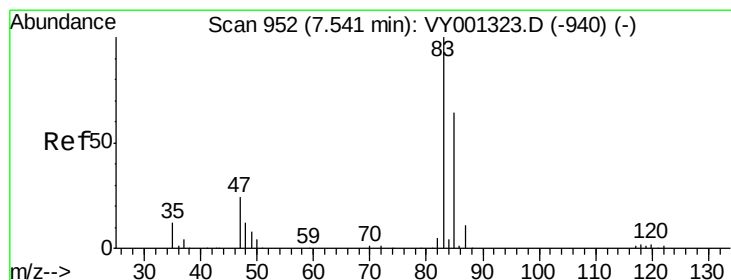
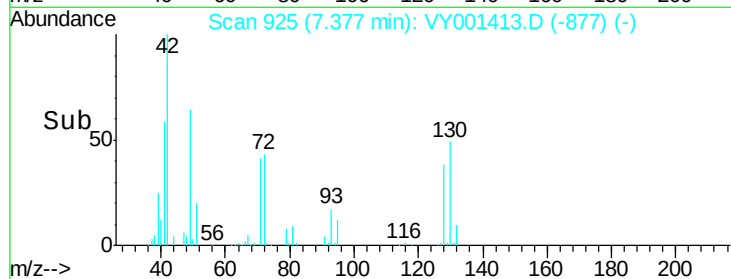
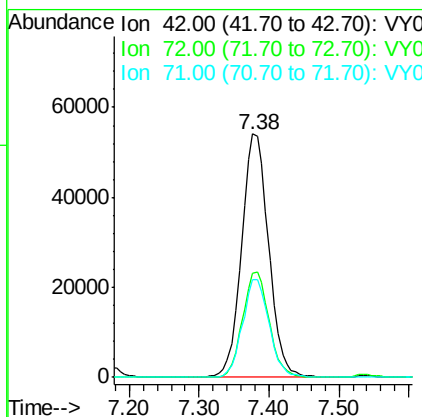
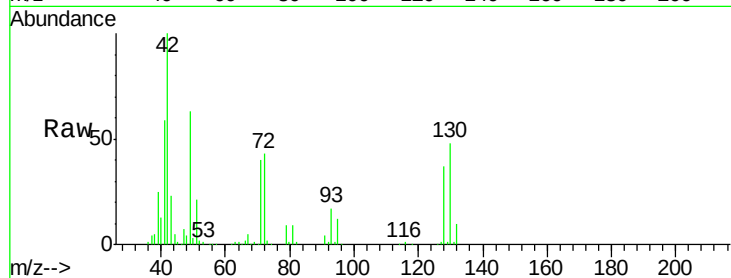
#29
Tetrahydrofuran
Concen: 241.978 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.6	51.8
71	39.3	32.6	48.8

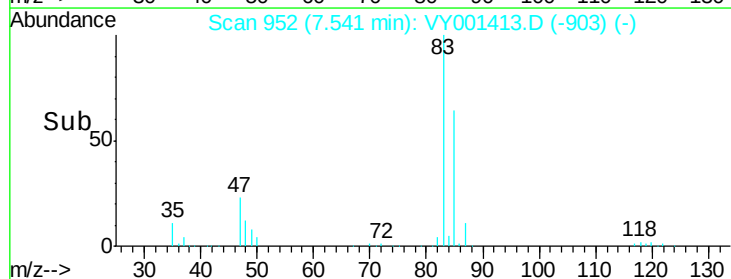
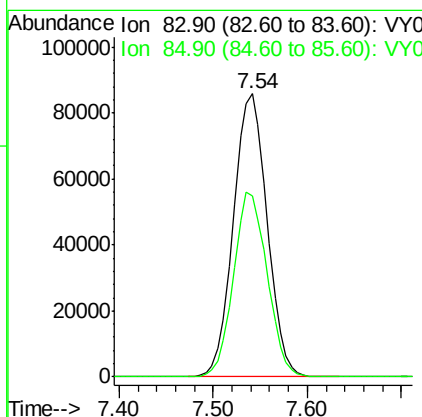
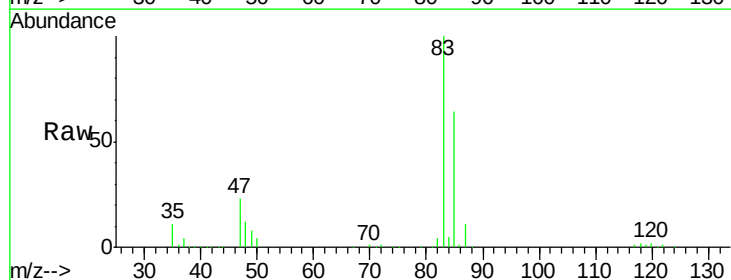
Manual Integrations
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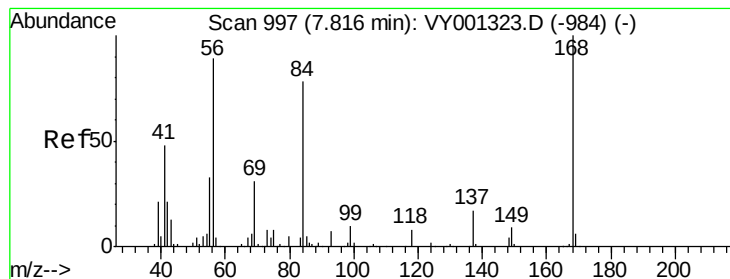
MMDadoda
1/30/2020 10:27:22 AM



#30
Chloroform
Concen: 52.585 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.00 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





#31

Cyclohexane

Concen: 51.238 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 210494

Ion Ratio Lower Upper

56 100

69 32.9 27.6 41.4

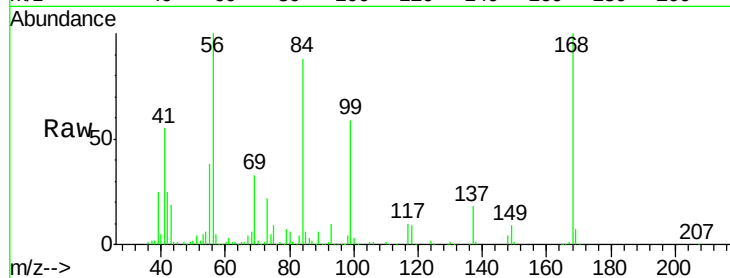
84 86.9 69.7 104.5

Manual Integrations

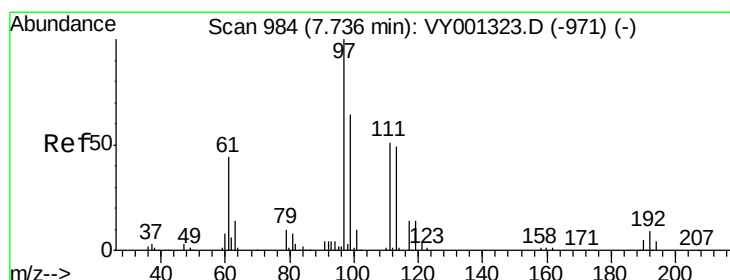
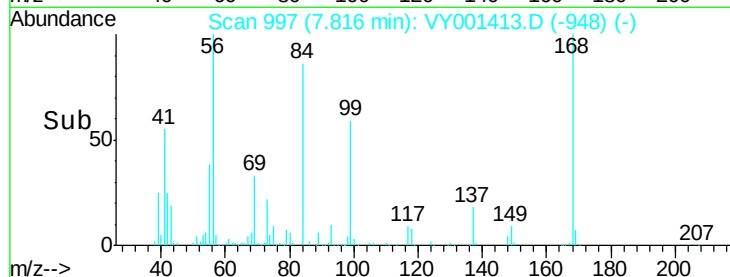
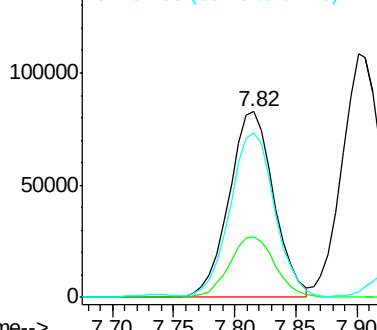
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 54.174 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

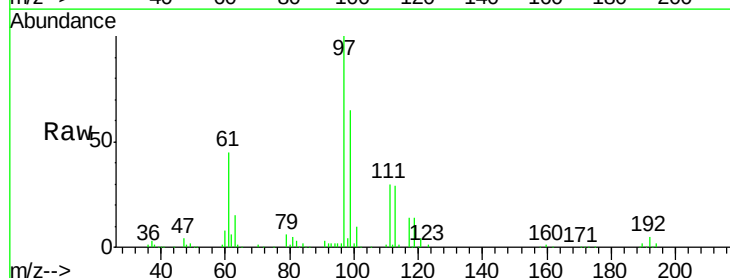
Tgt Ion: 97 Resp: 185516

Ion Ratio Lower Upper

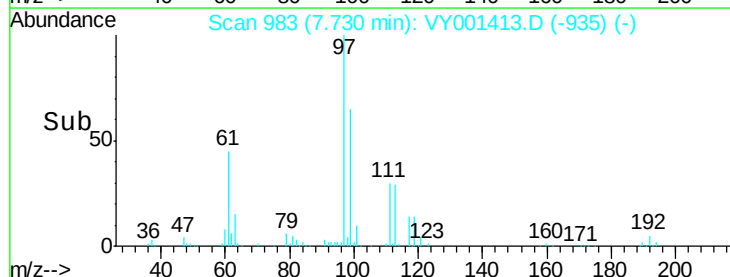
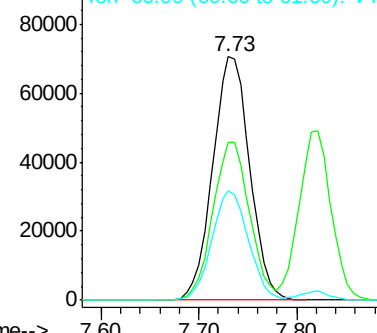
97 100

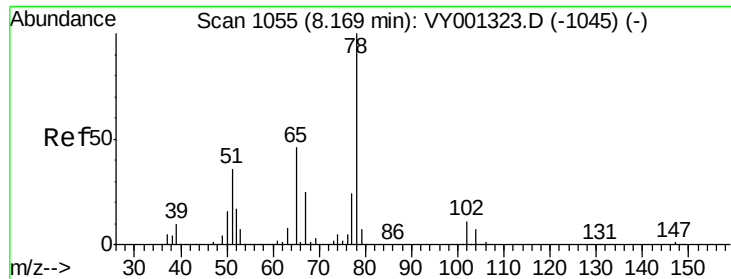
99 64.4 51.3 76.9

61 44.1 35.9 53.9



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





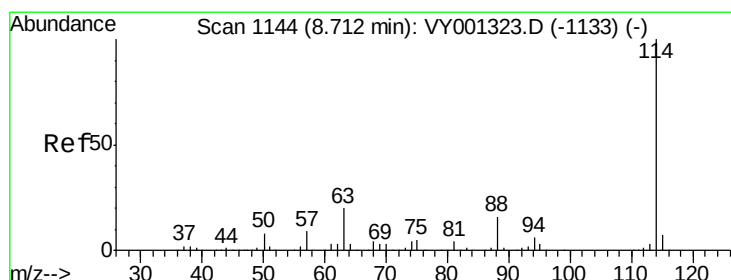
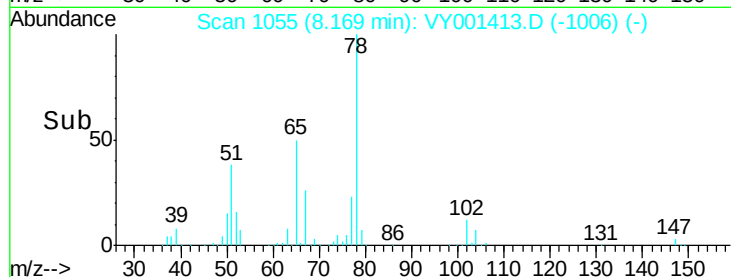
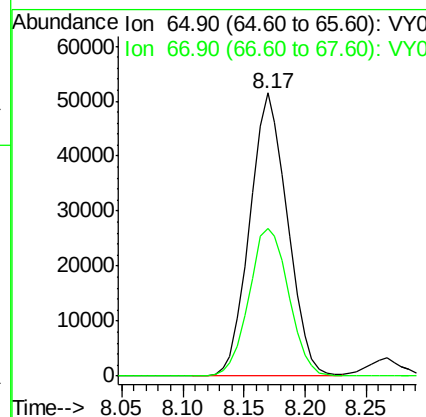
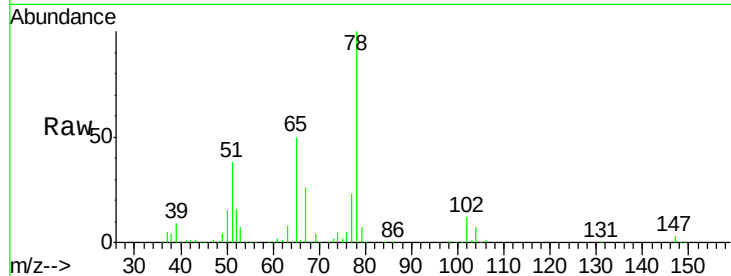
#33
 1,2-Dichloroethane-d4
 Concen: 52.017 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 110510
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 108.6

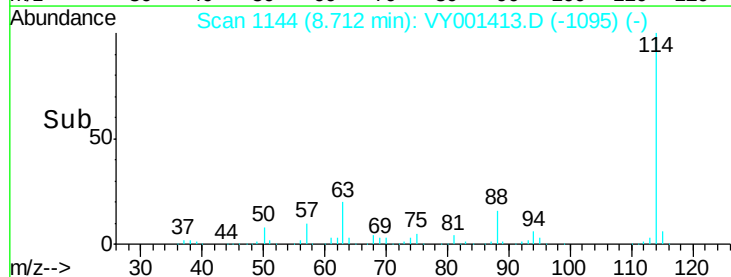
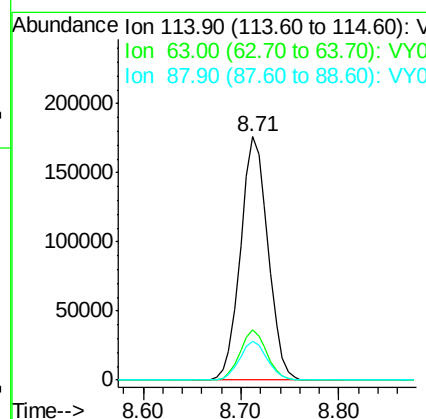
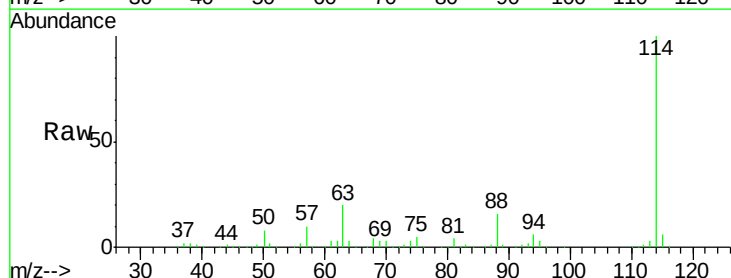
Manual Integrations
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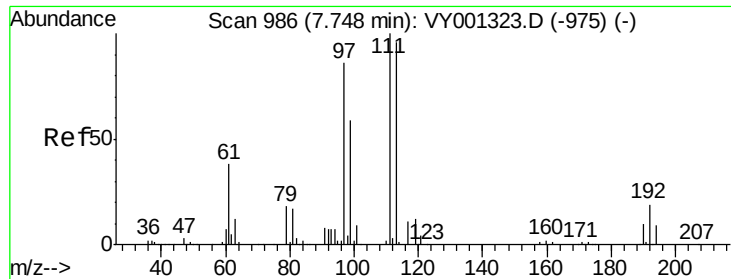
MMDadoda
 1/30/2020 10:27:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion: 114 Resp: 342157
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.9 0.0 31.0





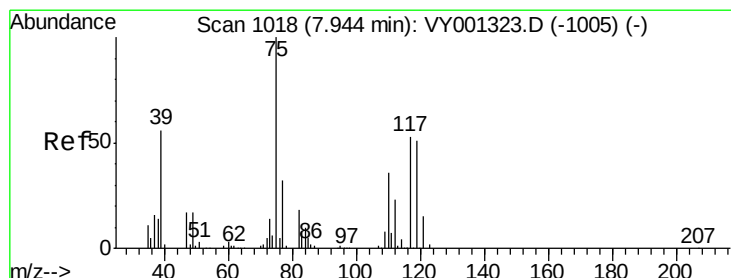
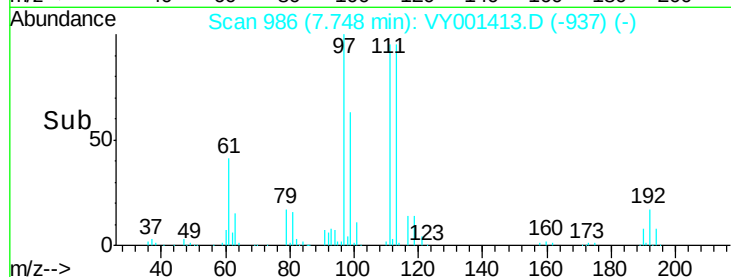
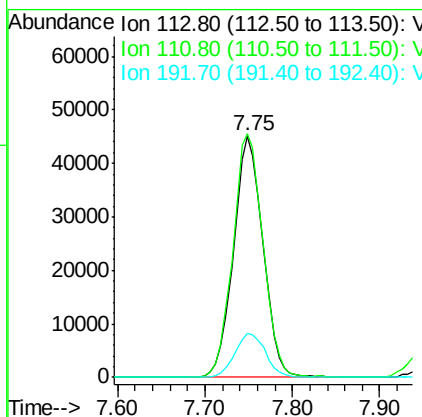
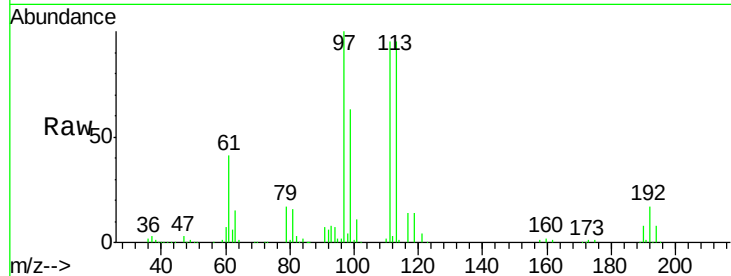
#35
 Dibromofluoromethane
 Concen: 52.551 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	105530		
111	103.2	82.8	124.2	
192	19.0	15.5	23.3	

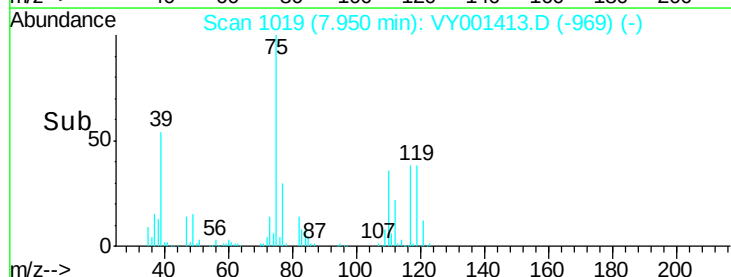
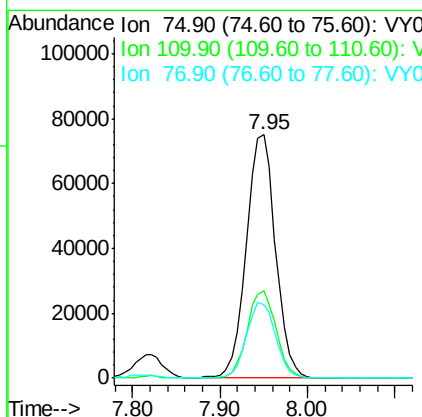
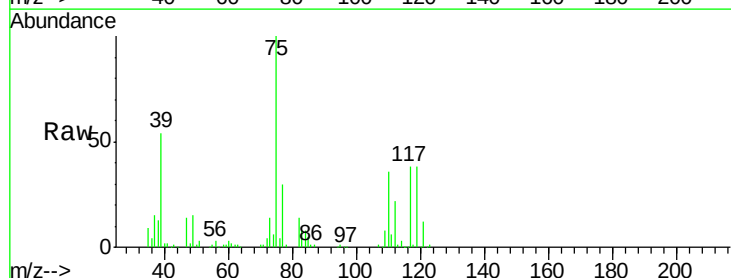
Manual Integrations
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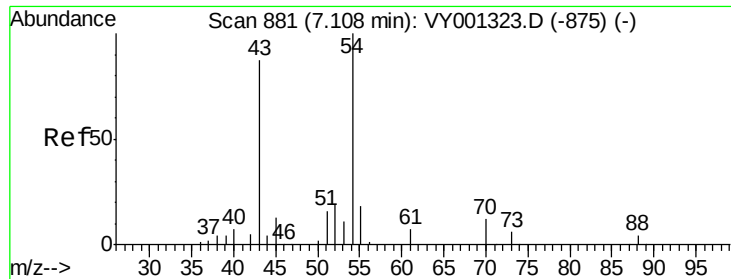
MMDadoda
 1/30/2020 10:27:22 AM



#36
 1,1-Dichloropropene
 Concen: 53.755 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	173764		
110	35.6	17.6	52.8	
77	31.0	24.7	37.1	





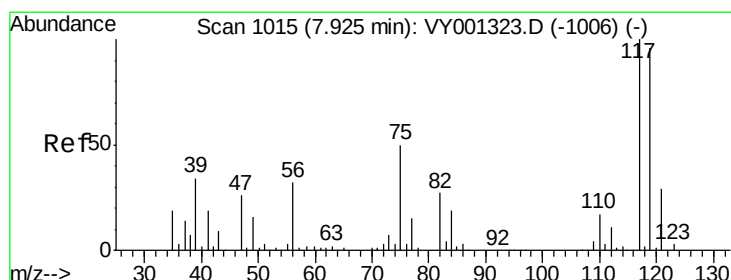
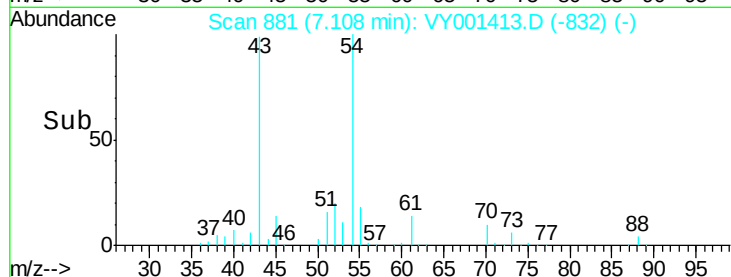
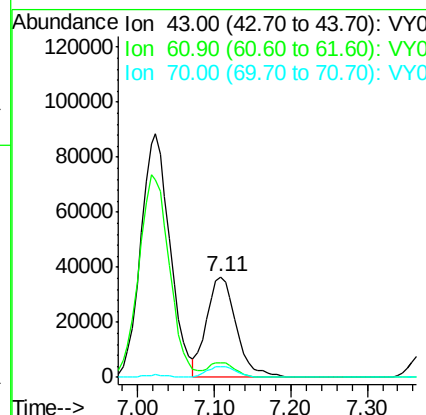
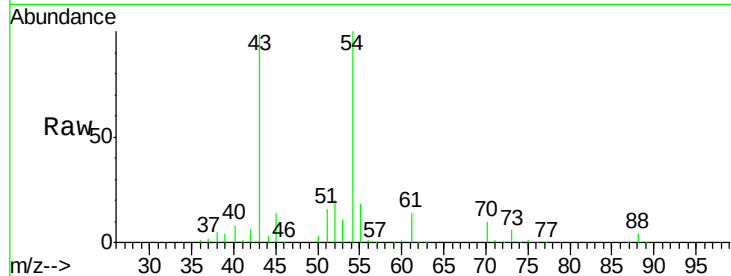
#37
Ethyl Acetate
Concen: 50.014 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.00 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.3	16.9
70	10.7	8.7	13.1

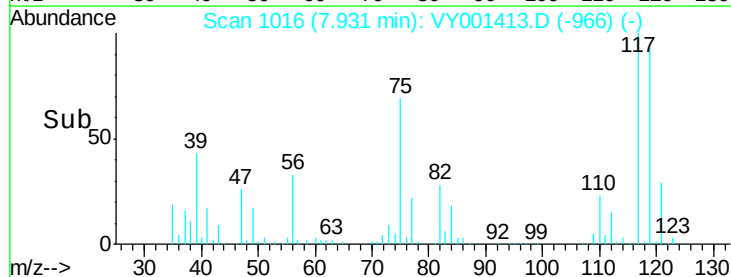
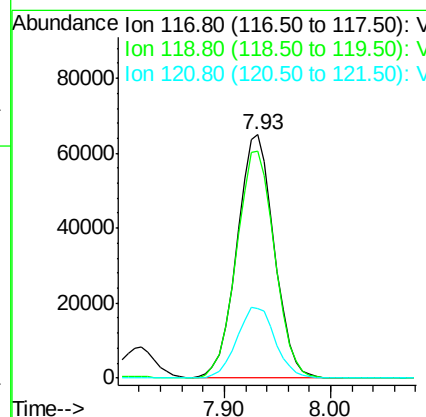
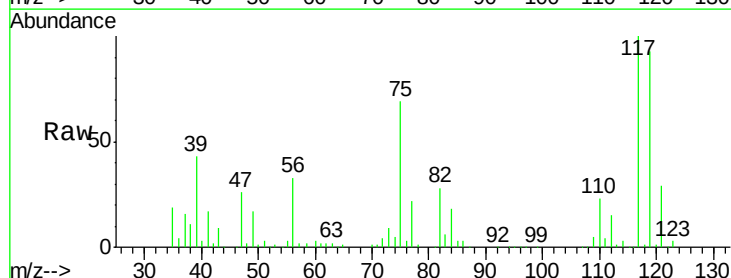
Manual Integrations
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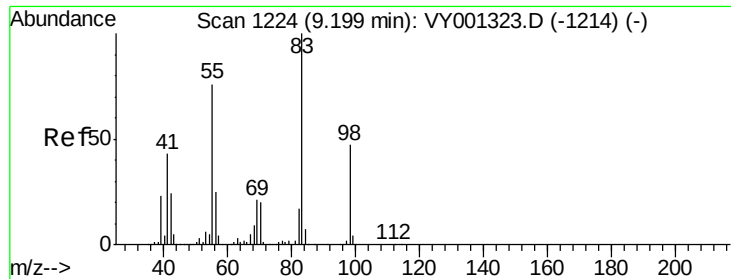
MMDadoda
1/30/2020 10:27:22 AM



#38
Carbon Tetrachloride
Concen: 55.192 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.3	114.5
121	28.8	23.5	35.3





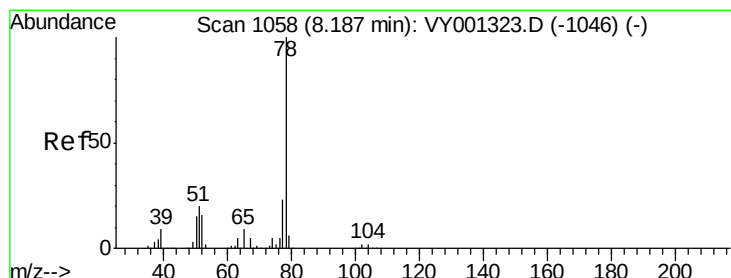
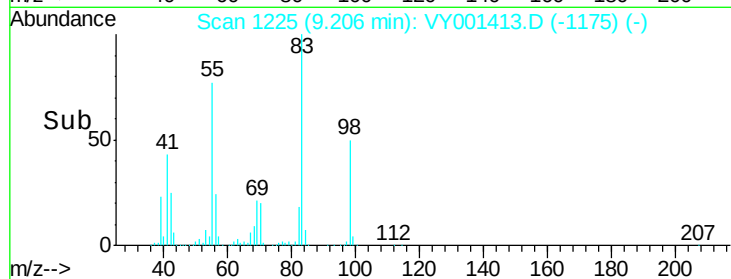
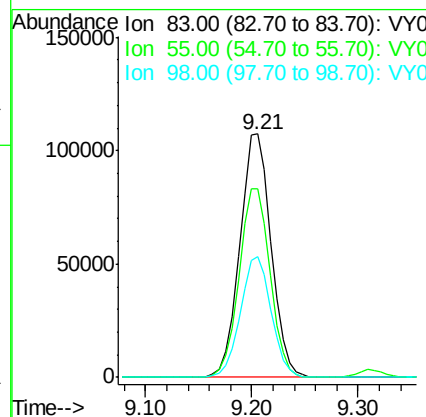
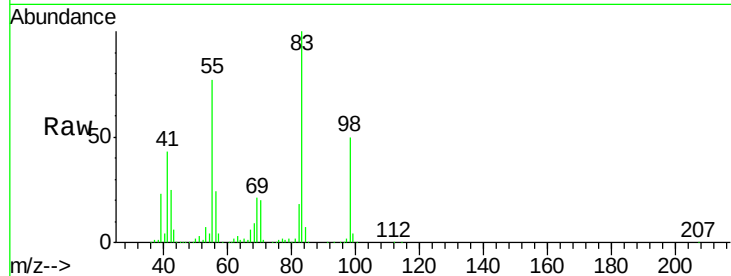
#39
Methylvlcyclohexane
Concen: 53.495 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	221525		
55	77.3		60.7	91.1
98	49.5		37.8	56.8

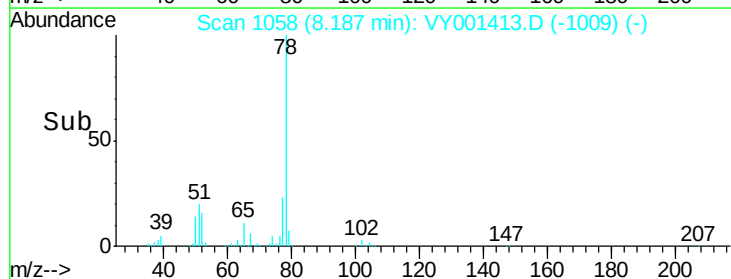
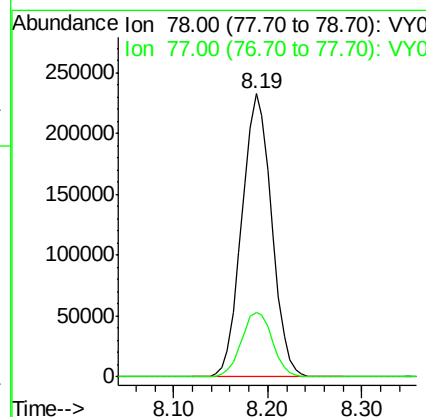
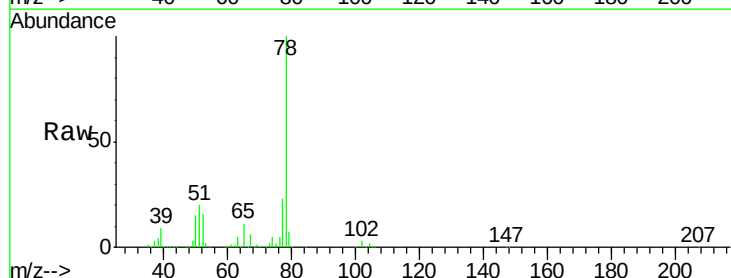
Manual Integrations
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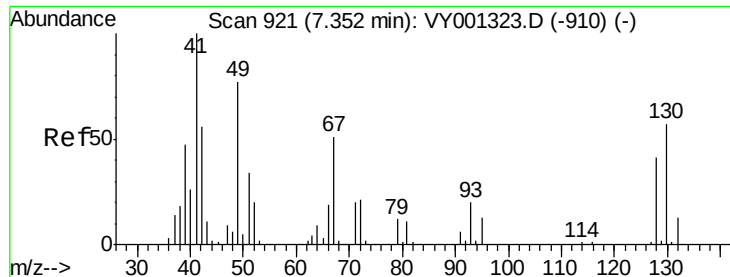
MMDadoda
1/30/2020 10:27:22 AM



#40
Benzene
Concen: 53.097 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	514638		
77	22.9		18.6	27.8





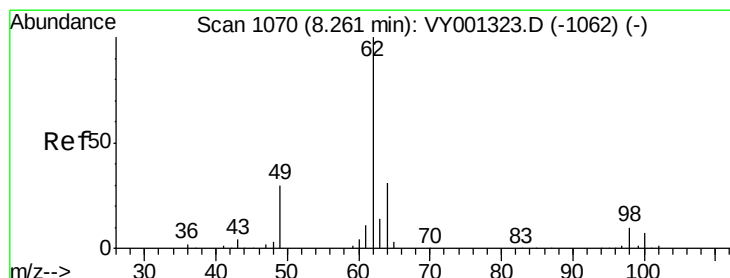
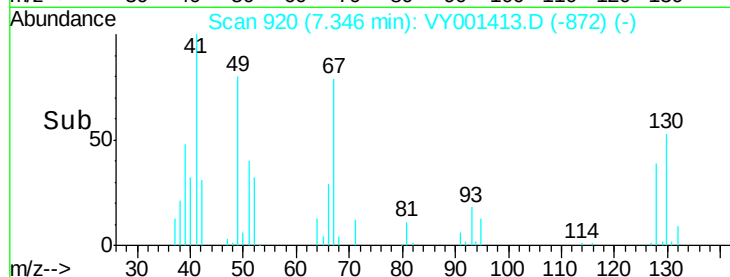
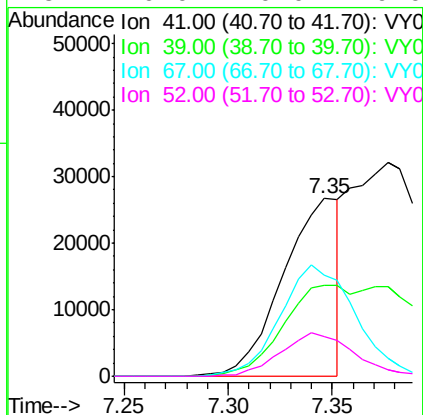
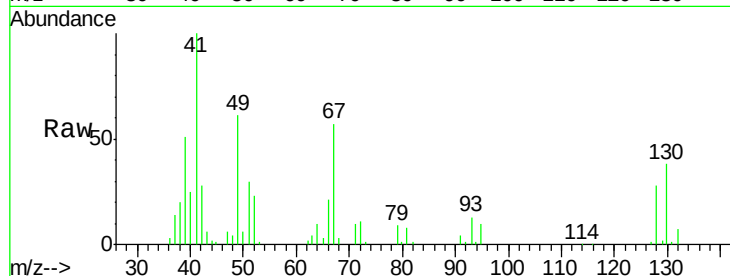
#41
Methacrylonitrile
Concen: 49.855 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	50810
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

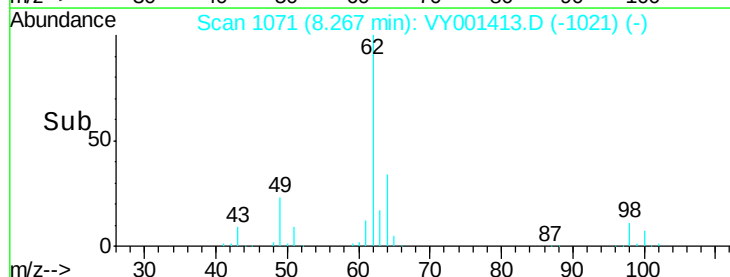
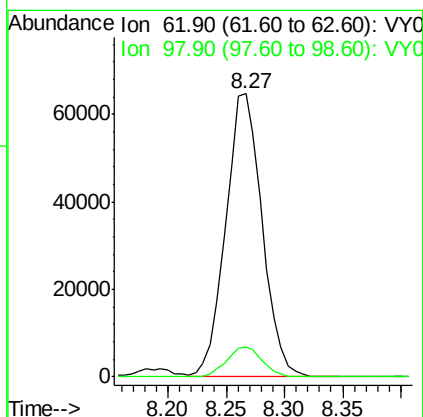
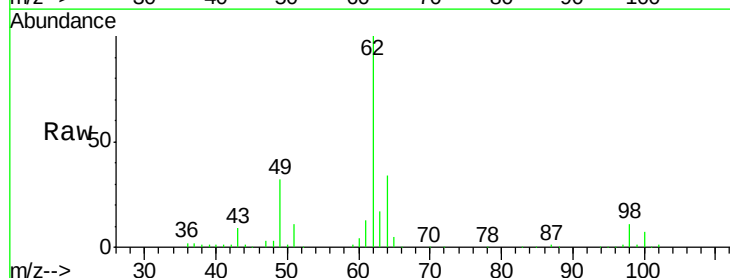
Manual Integrations
APPROVED

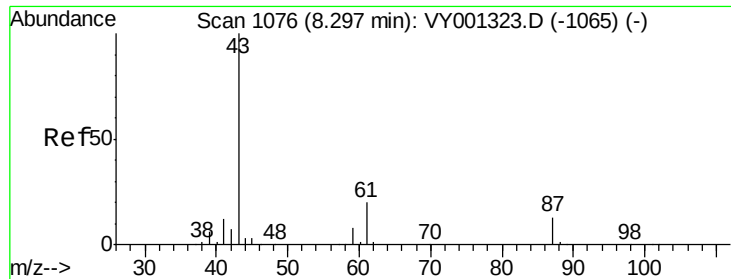
MMDadoda
1/30/2020 10:27:22 AM



#42
1,2-Dichloroethane
Concen: 51.882 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	62	Resp	140508
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.8





#43

Isopropyl Acetate

Concen: 51.147 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

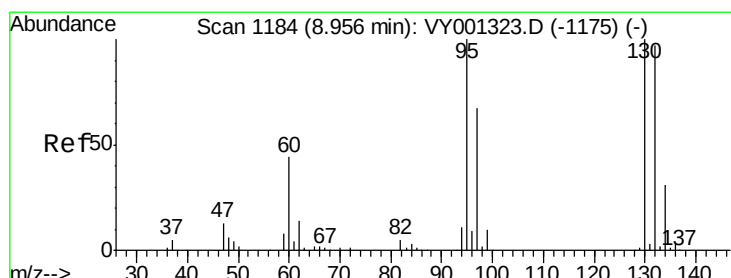
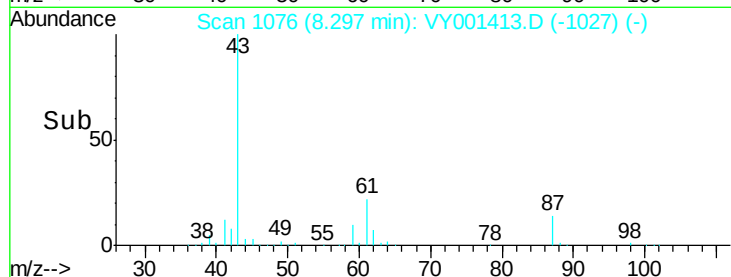
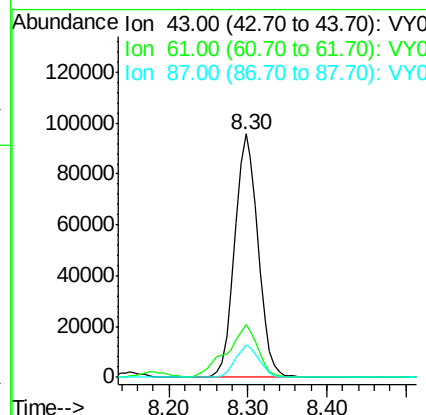
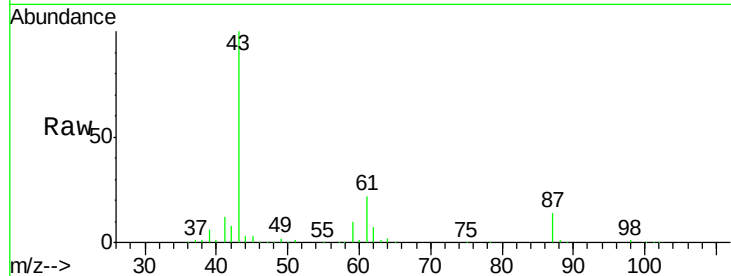
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	196421
Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.7	34.1
87	13.4	11.0	16.4

Manual Integrations
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MMDadoda
1/30/2020 10:27:22 AM



#44

Trichloroethene

Concen: 52.325 ug/l

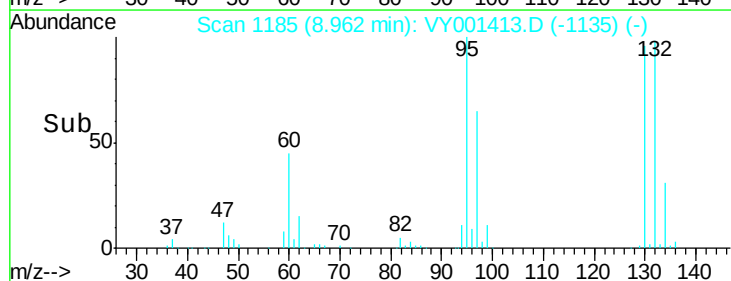
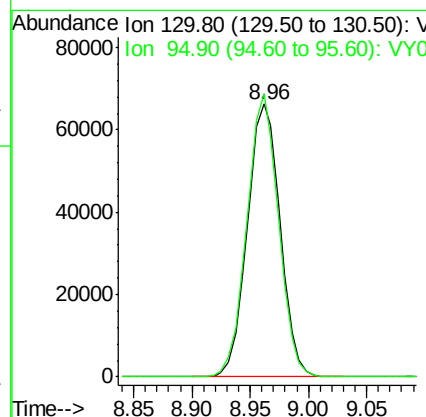
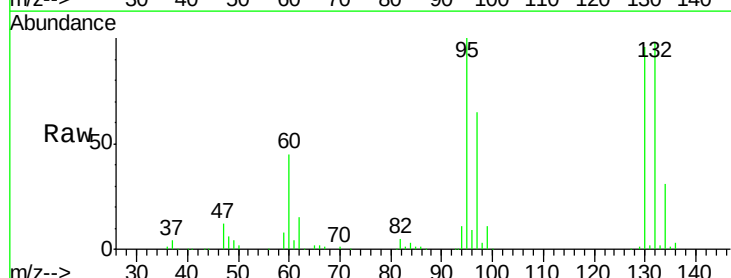
RT: 8.96 min Scan# 1185

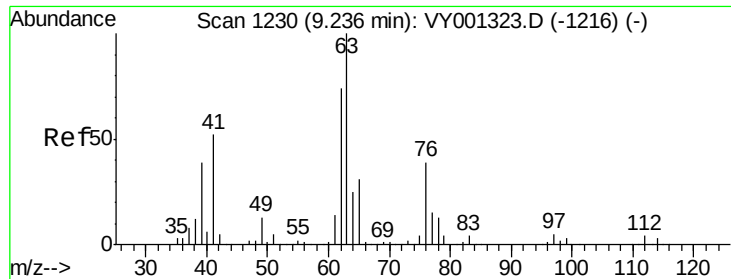
Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion:	130	Resp:	130144
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	200.0





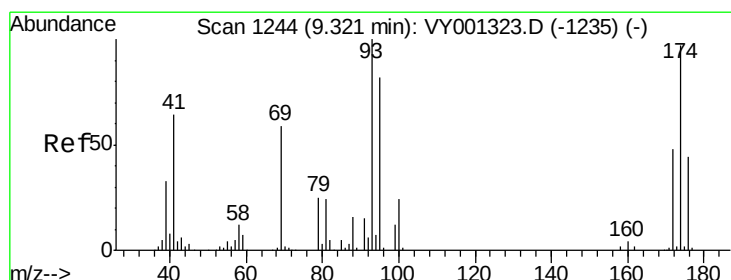
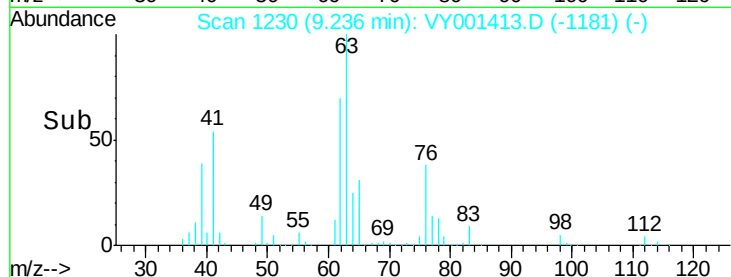
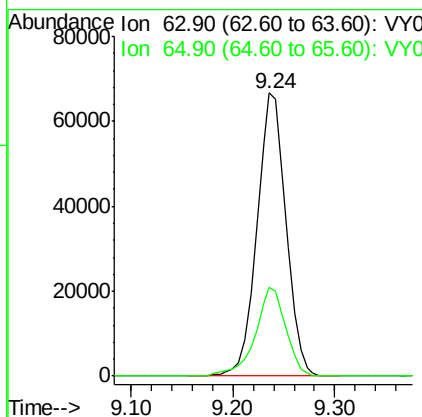
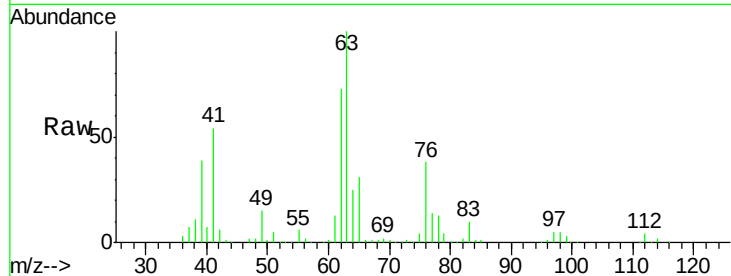
#45
 1,2-Dichloropropane
 Concen: 53.843 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 131926
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.9 37.3

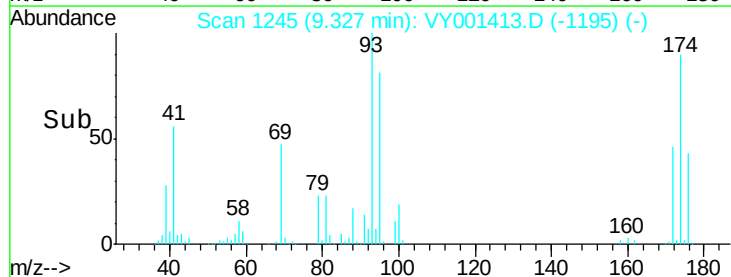
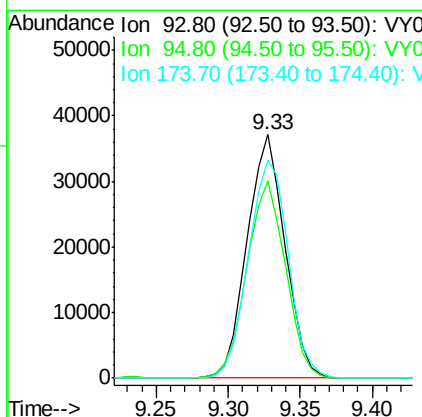
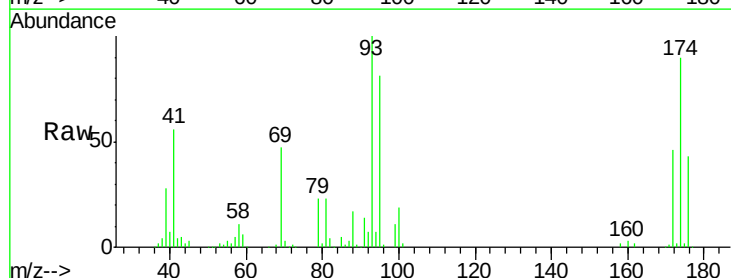
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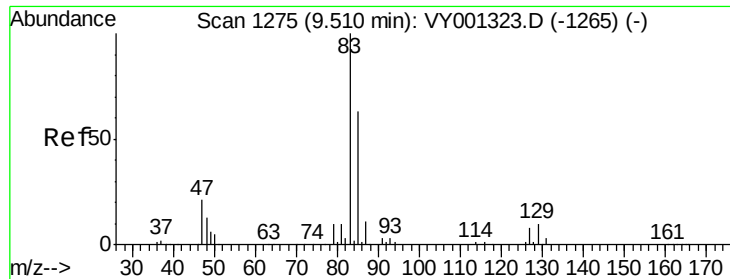
MMDadoda
 1/30/2020 10:27:22 AM



#46
 Dibromomethane
 Concen: 51.353 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion: 93 Resp: 67550
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.5 99.7
 174 94.0 77.9 116.9





#47

Bromodichloromethane

Concen: 53.647 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

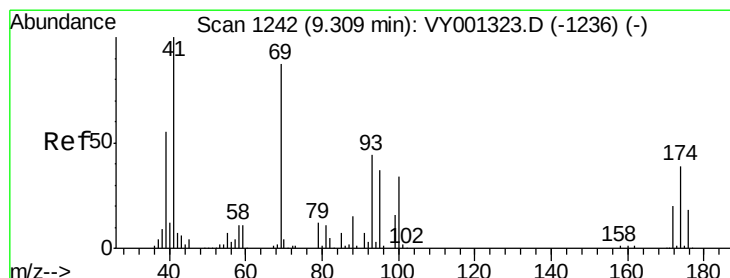
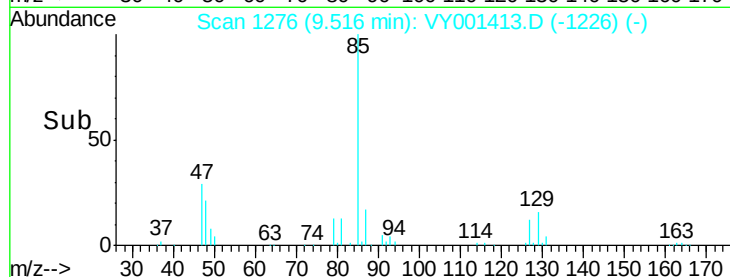
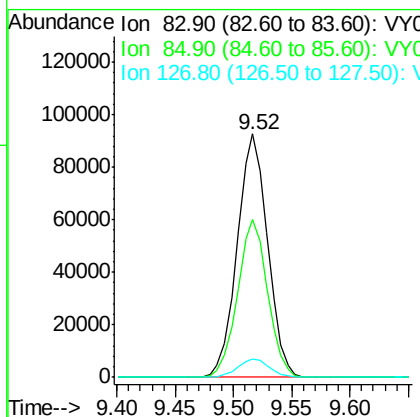
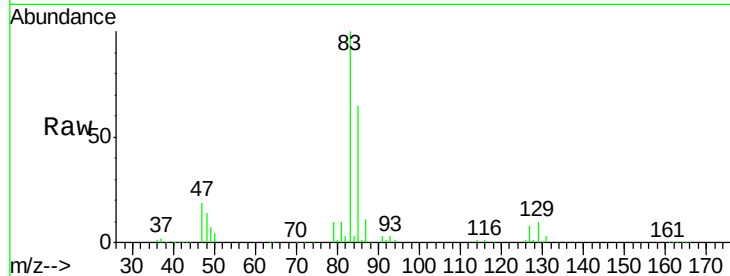
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168693
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.2	75.2
127	7.8	6.4	9.6

Manual Integrations
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MMDadoda
1/30/2020 10:27:22 AM



#48

Methyl methacrylate

Concen: 50.913 ug/l

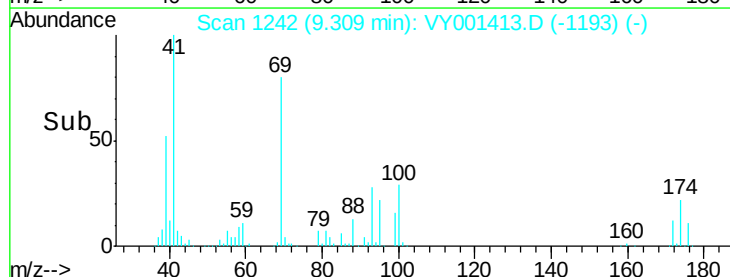
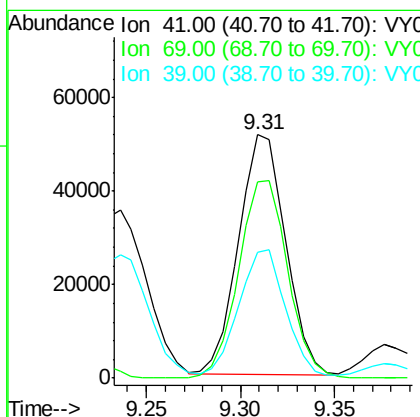
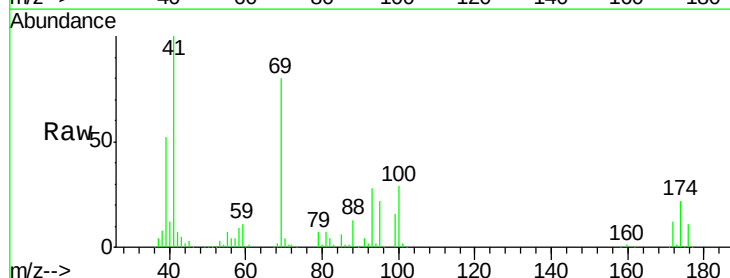
RT: 9.31 min Scan# 1242

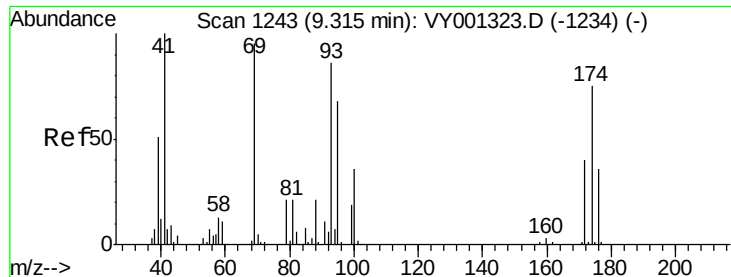
Delta R.T. 0.00 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion:	41	Resp:	88885
Ion	Ratio	Lower	Upper
41	100		
69	86.0	70.2	105.4
39	54.3	45.7	68.5





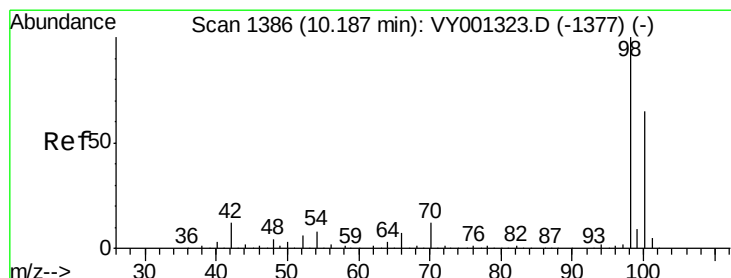
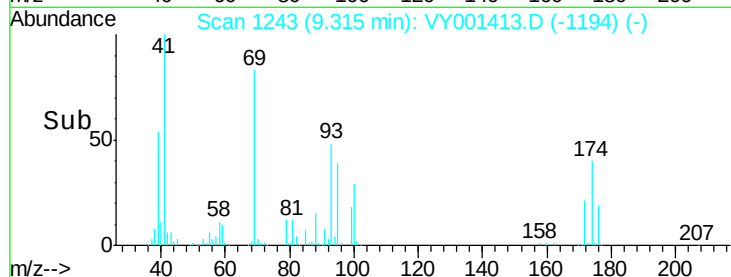
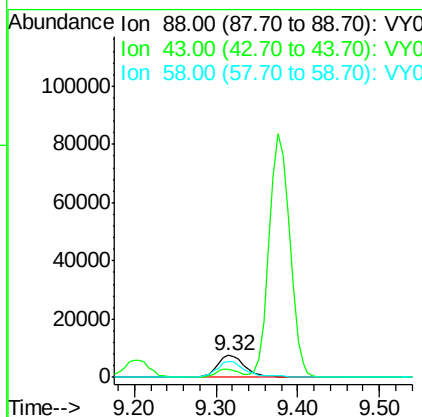
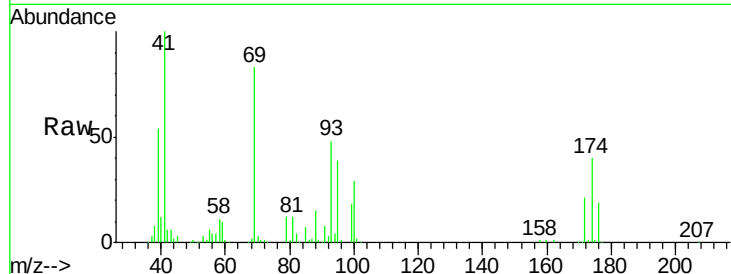
#49
1,4-Dioxane
Concen: 1001.739 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	28.2	42.2
58	73.6	55.6	83.4

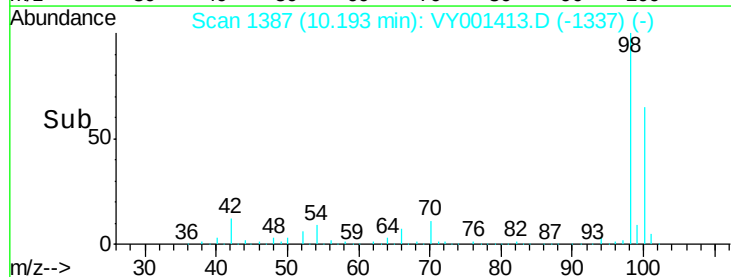
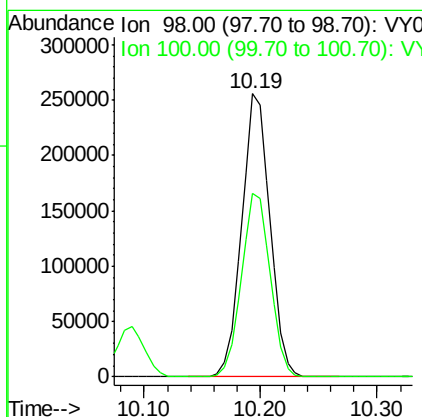
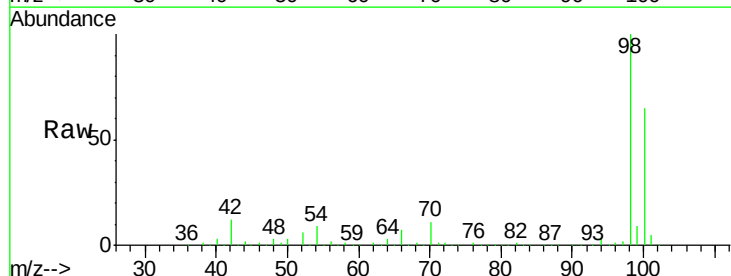
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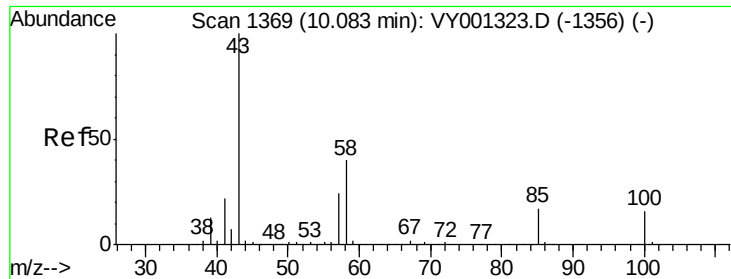
MMDadoda
1/30/2020 10:27:22 AM



#50
Toluene-d8
Concen: 55.392 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	79.0





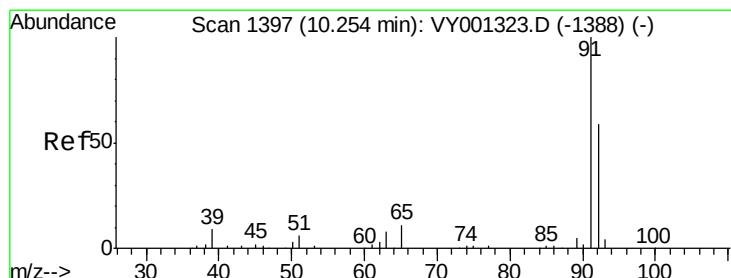
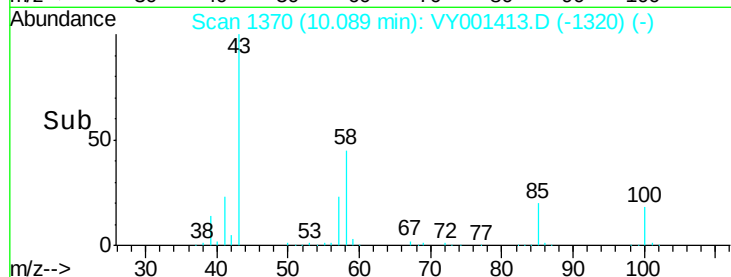
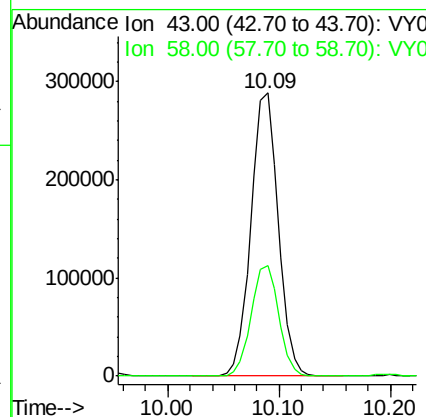
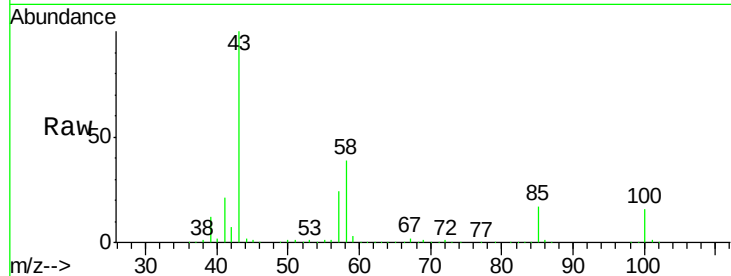
#51
4-Methyl-2-Pentanone
Concen: 249.552 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 493542
Ion Ratio Lower Upper
43 100
58 39.5 31.5 47.3

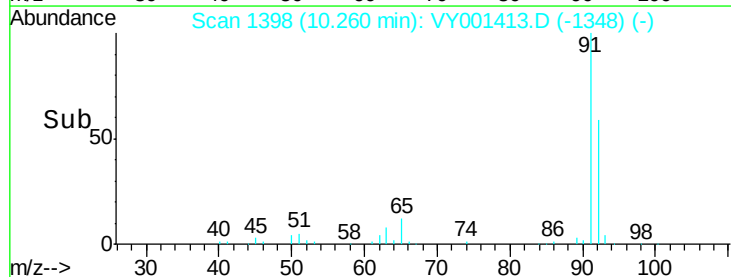
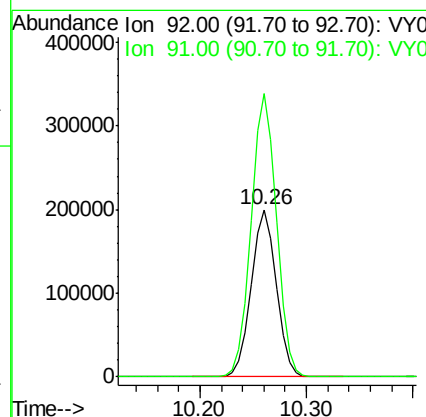
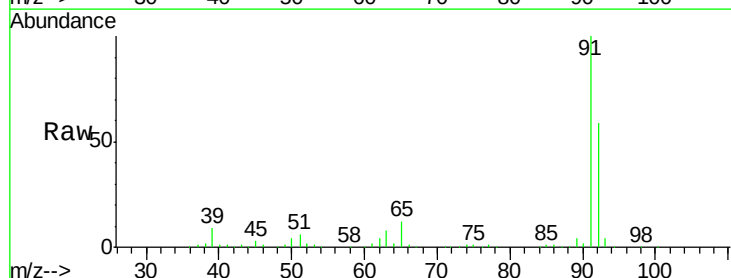
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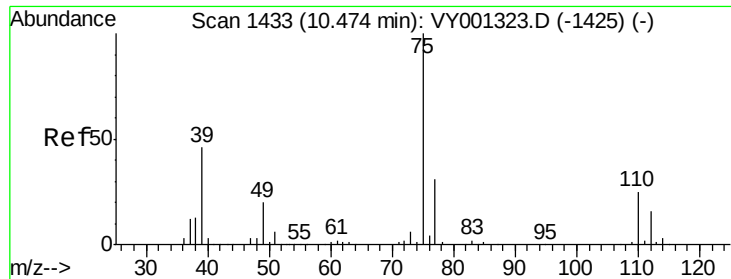
MMDadoda
1/30/2020 10:27:22 AM



#52
Toluene
Concen: 53.732 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion: 92 Resp: 330134
Ion Ratio Lower Upper
92 100
91 170.8 136.4 204.6





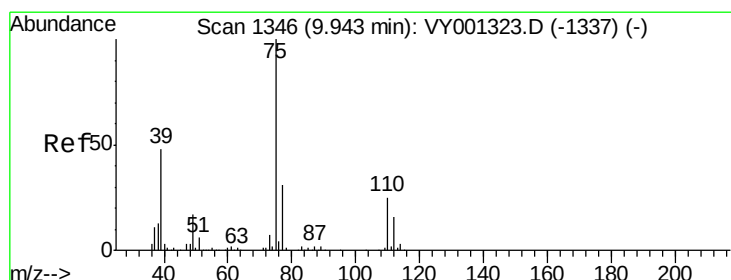
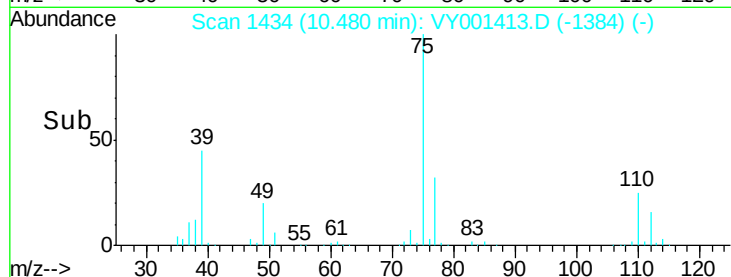
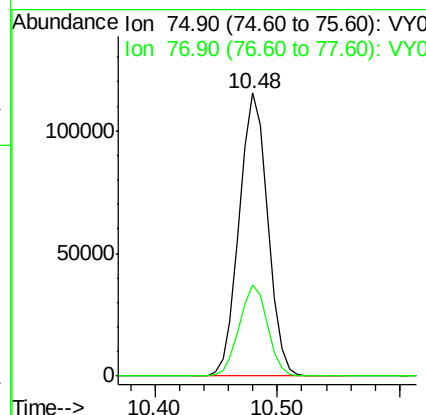
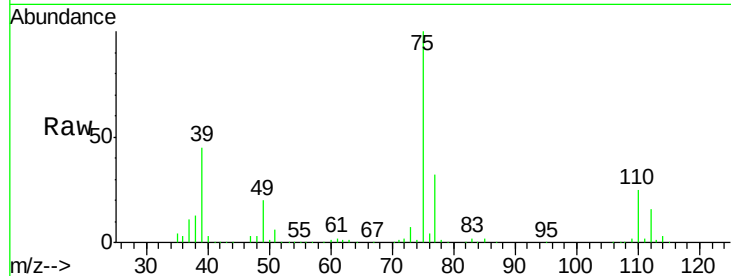
#53
t-1,3-Dichloropropene
Concen: 53.314 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8

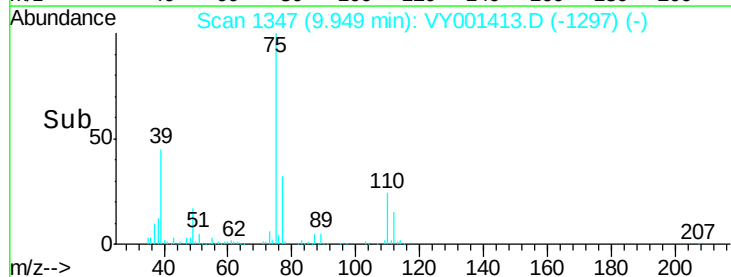
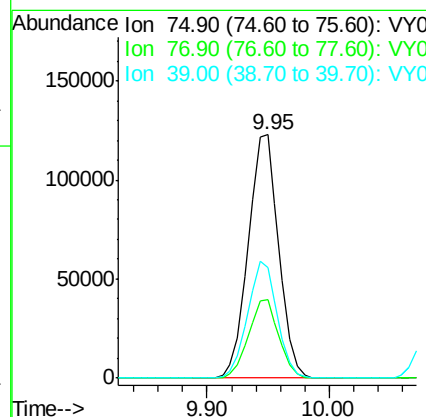
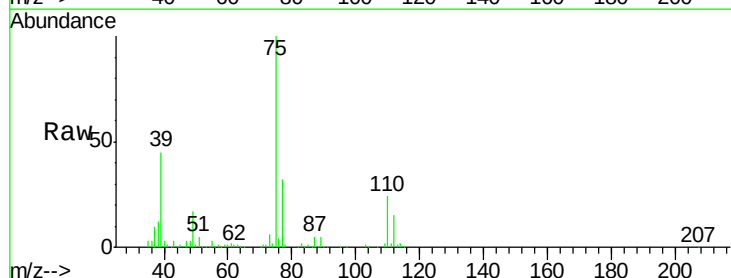
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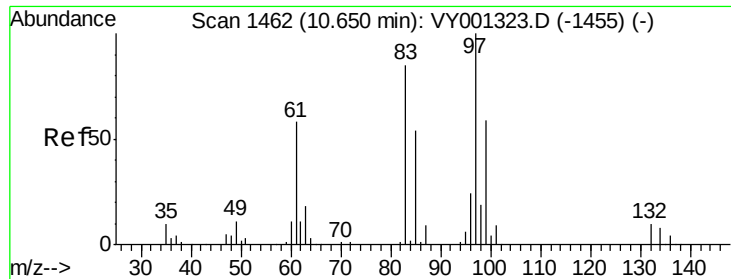
MMDadoda
1/30/2020 10:27:22 AM



#54
cis-1,3-Dichloropropene
Concen: 53.065 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.6
39	45.2	38.2	57.4





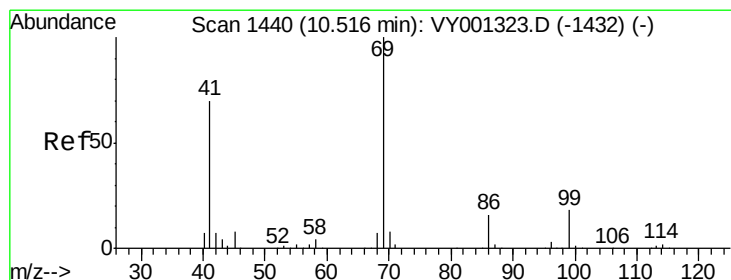
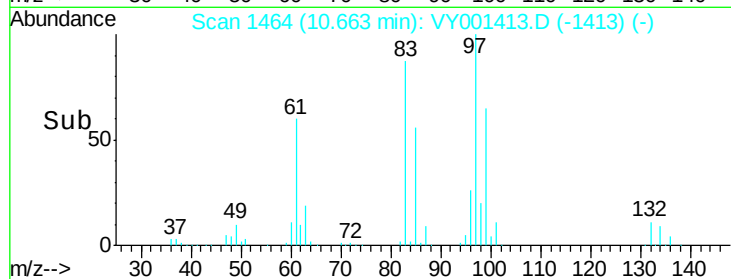
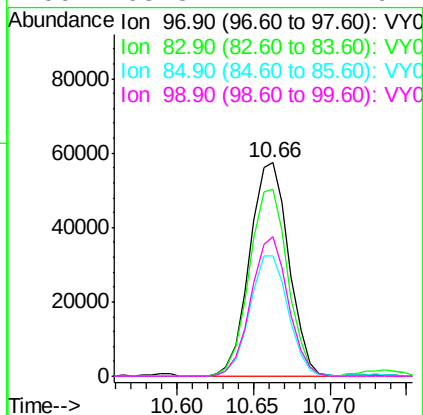
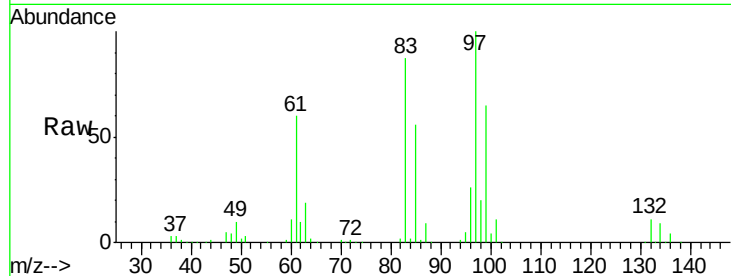
#55
 1,1,2-Trichloroethane
 Concen: 52.679 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	102277
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.0	102.0
85	56.3	43.6	65.4
99	65.3	47.1	70.7

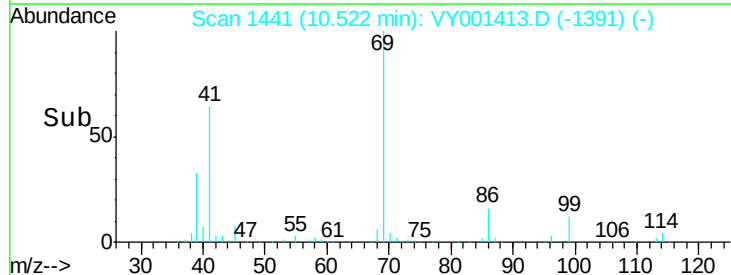
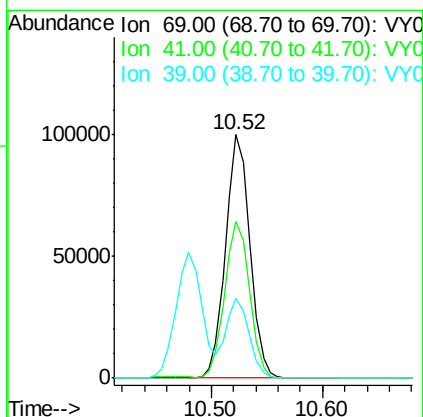
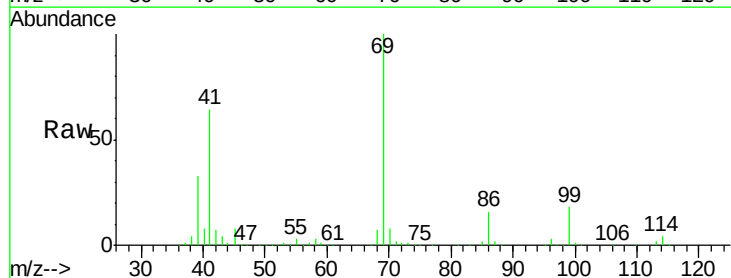
Manual Integrations
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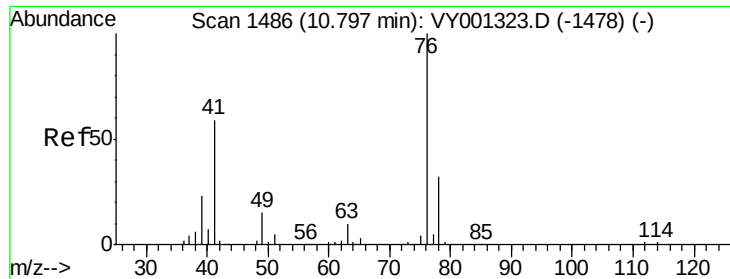
MMDadoda
 1/30/2020 10:27:22 AM



#56
 Ethyl methacrylate
 Concen: 51.599 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion:	69	Resp:	151415
Ion	Ratio	Lower	Upper
69	100		
41	65.0	54.1	81.1
39	30.8	26.8	40.2





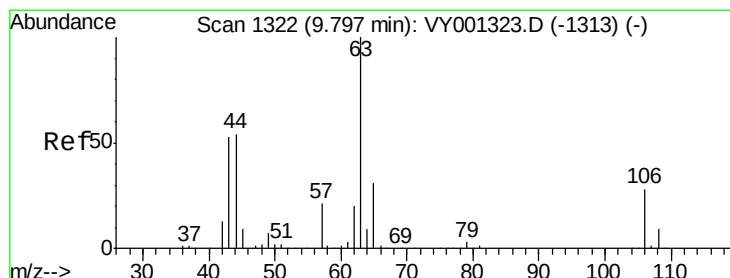
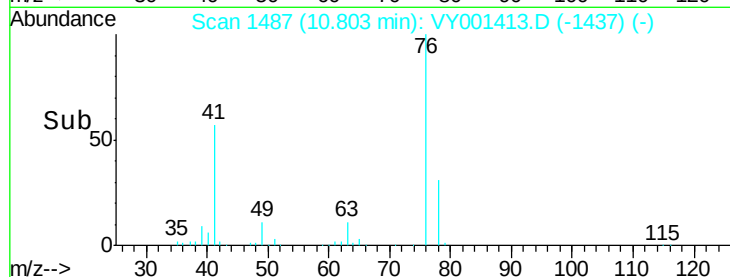
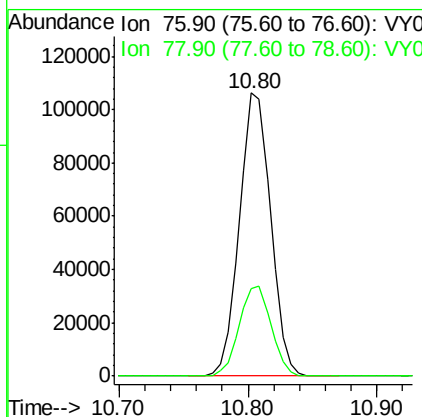
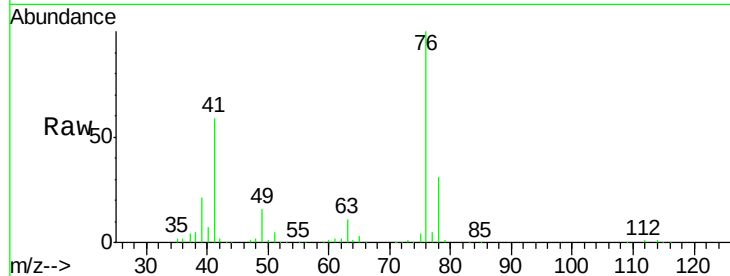
#57
 1,3-Dichloropropane
 Concen: 52.543 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 177705
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

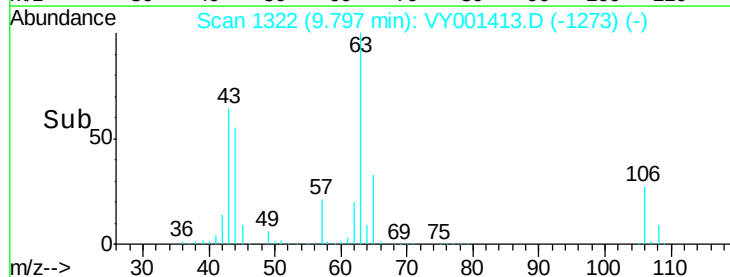
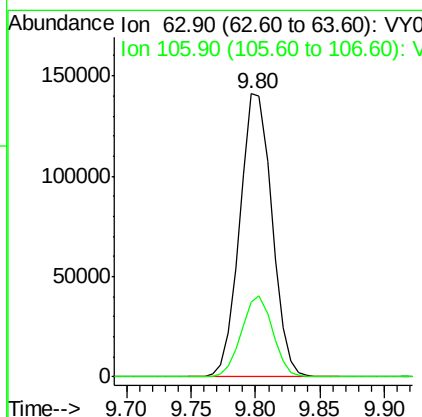
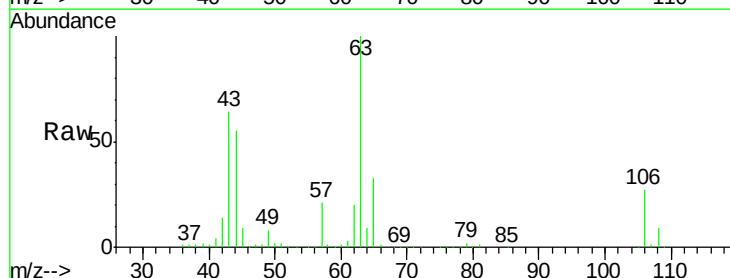
Manual Integrations
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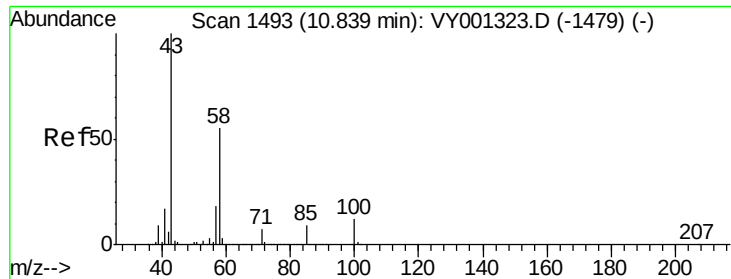
MMDadoda
 1/30/2020 10:27:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.972 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion: 63 Resp: 243672
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.5 33.7





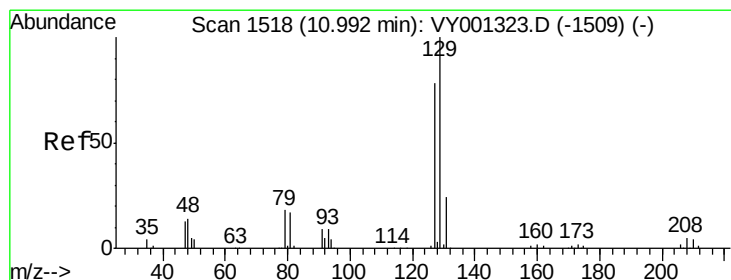
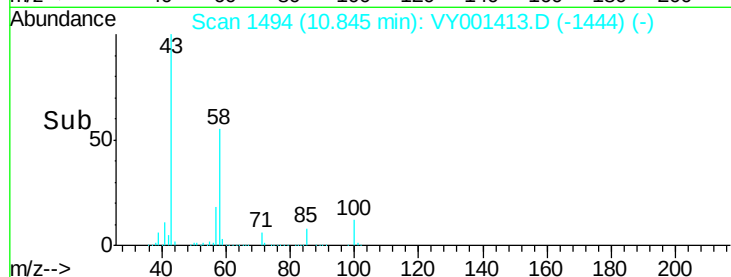
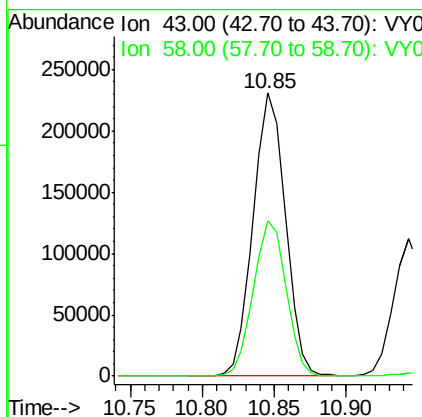
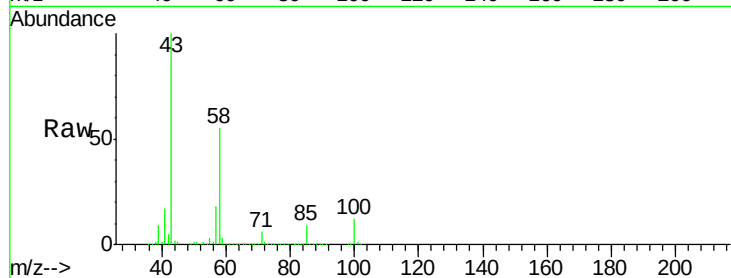
#59
2-Hexanone
Concen: 260.506 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	358671
Ion Ratio	100	Lower	Upper
43	100		
58	55.6	27.6	82.8

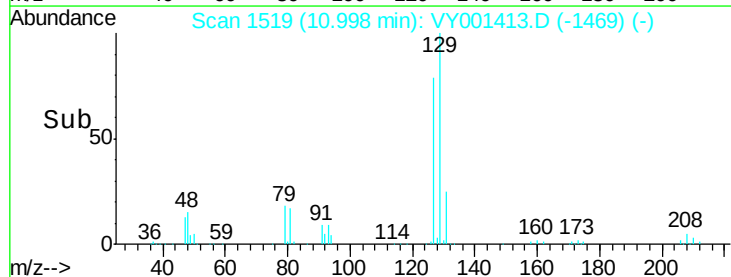
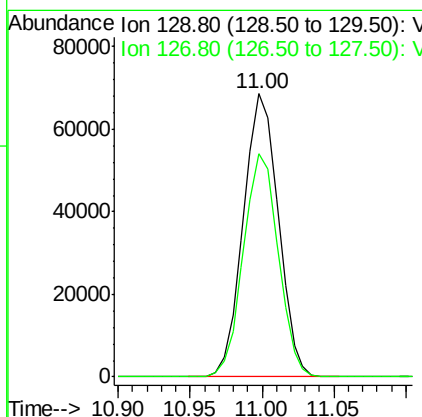
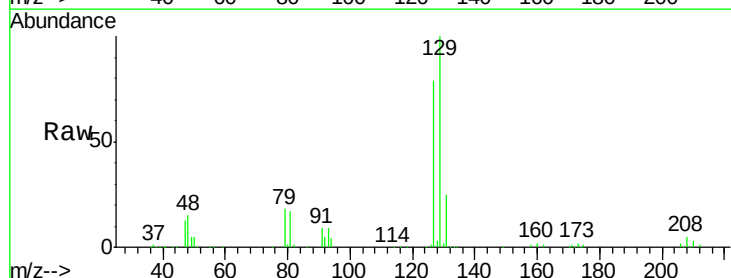
Manual Integrations
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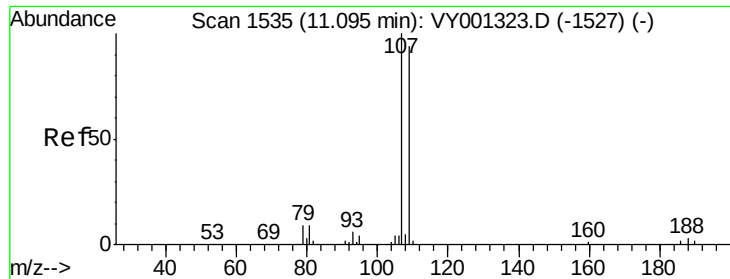
MMDadoda
1/30/2020 10:27:22 AM



#60
Dibromochloromethane
Concen: 53.208 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	129	Resp	115540
Ion Ratio	100	Lower	Upper
129	100		
127	78.5	38.8	116.4





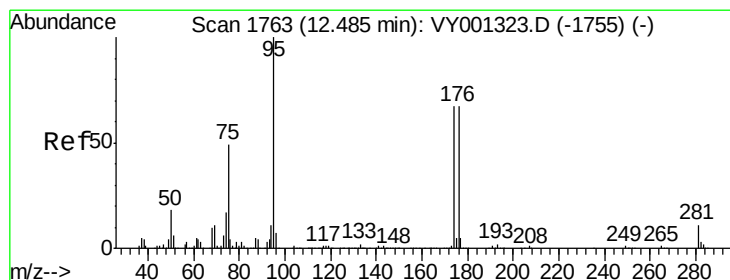
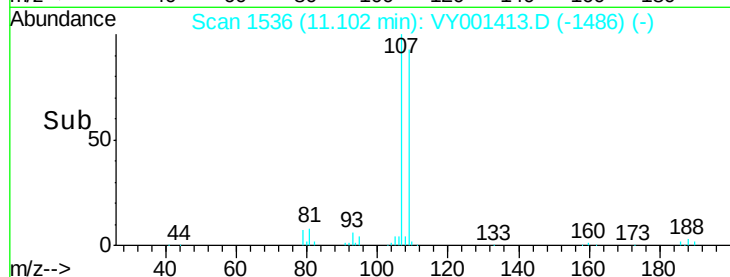
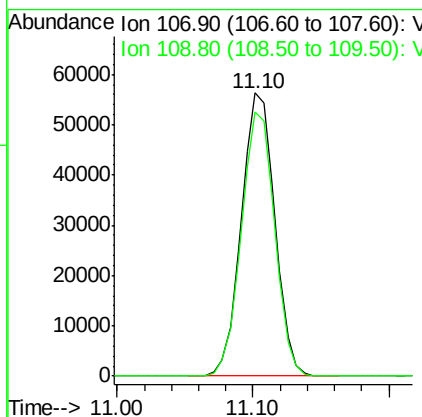
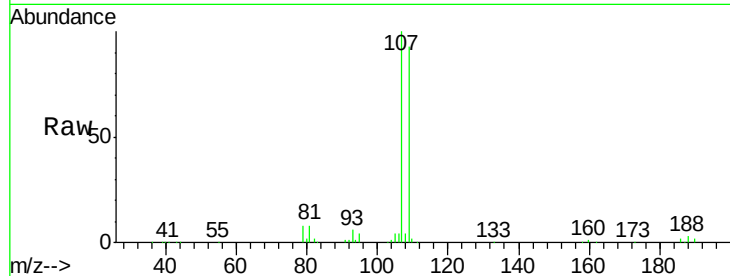
#61
 1,2-Dibromoethane
 Concen: 52.730 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.6

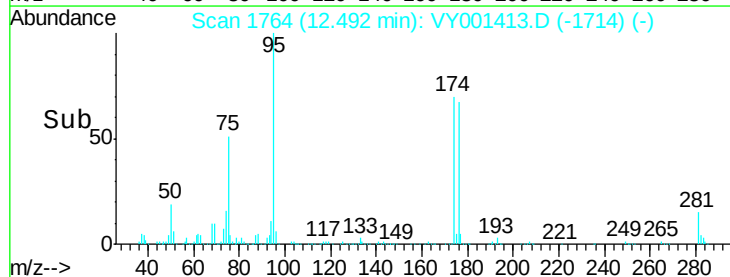
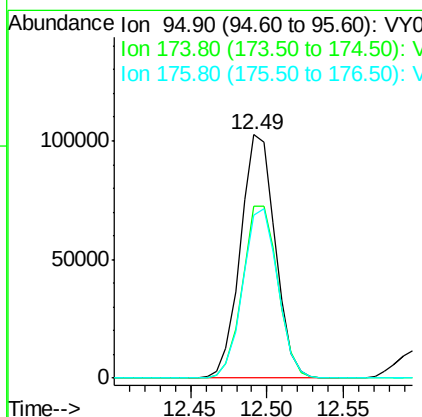
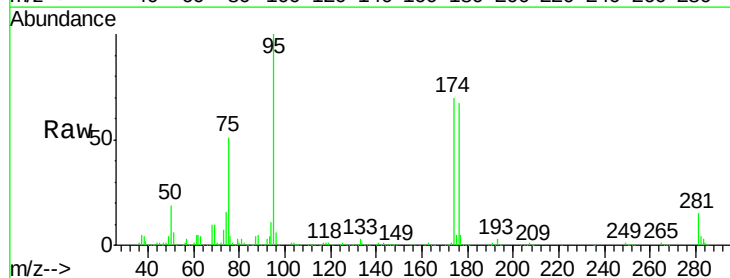
Manual Integrations
 APPROVED

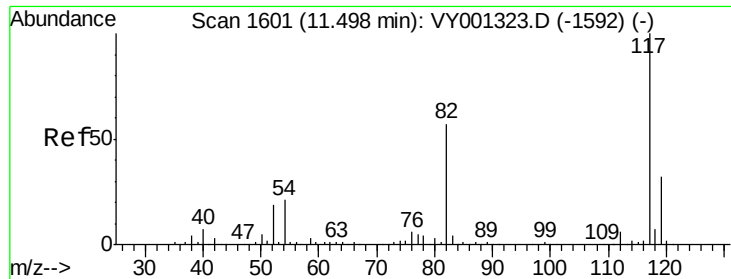
MMDadoda
 1/30/2020 10:27:22 AM



#62
 4-Bromofluorobenzene
 Concen: 52.016 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	142.0
176	70.1	0.0	138.6





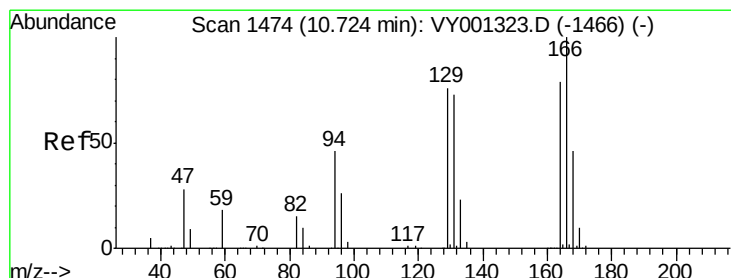
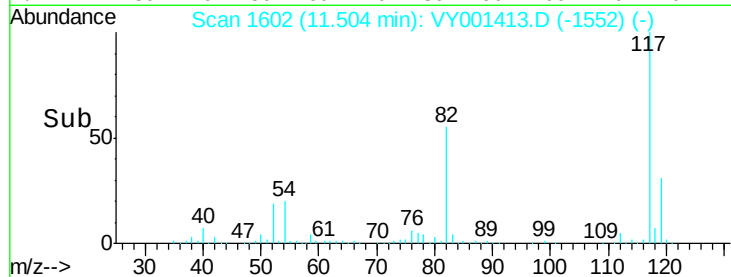
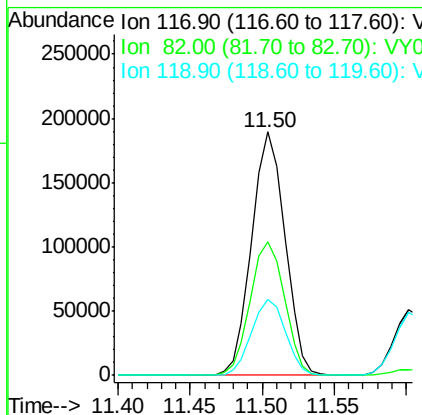
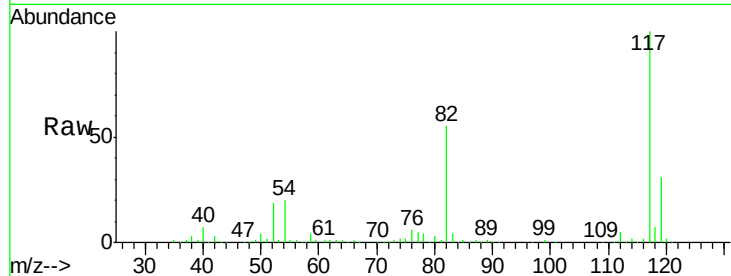
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.5	68.3
119	31.3	25.8	38.6

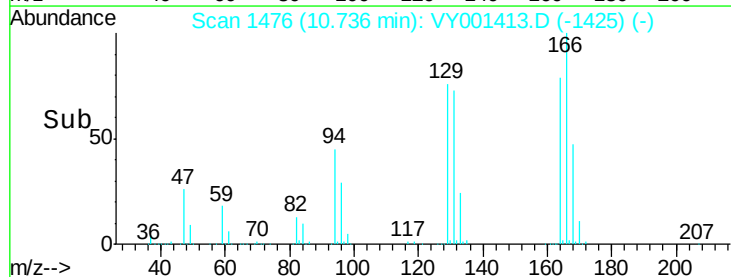
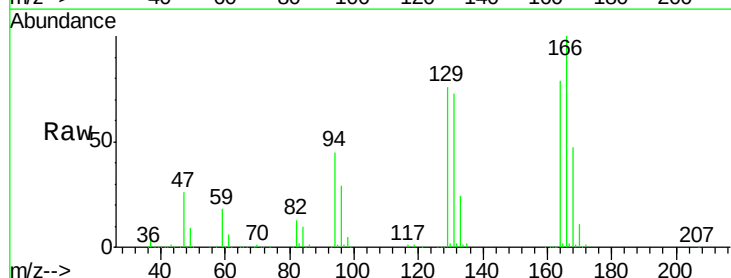
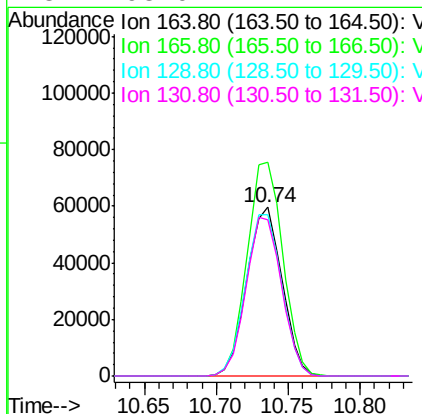
Manual Integrations
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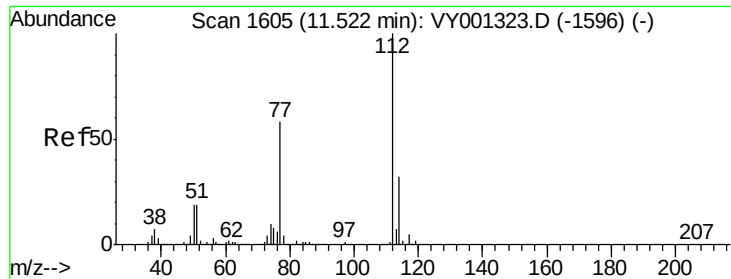
MMDadoda
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#64
Tetrachloroethene
Concen: 51.953 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.8	152.8
129	95.7	77.1	115.7
131	93.0	74.2	111.2





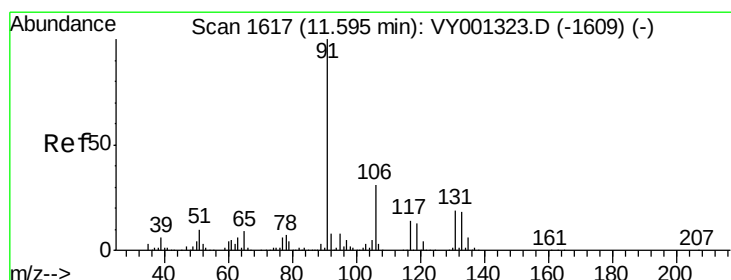
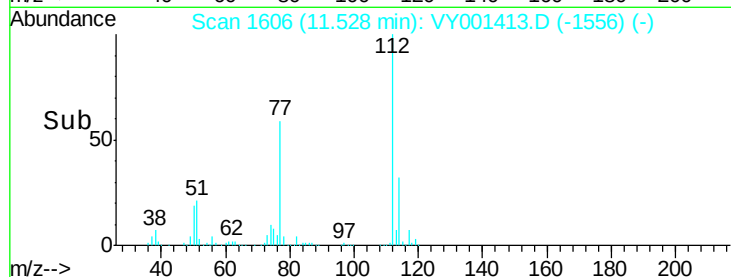
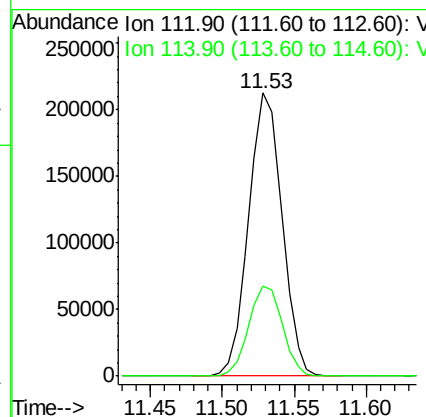
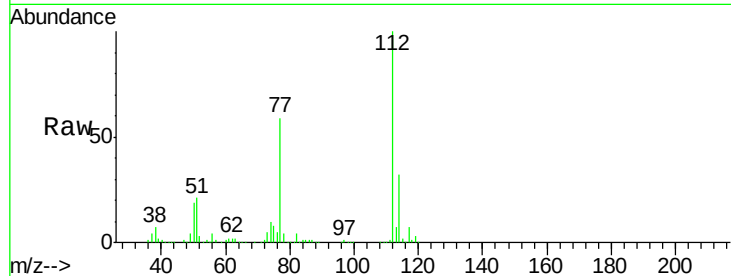
#65
Chlorobenzene
Concen: 53.237 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 341275
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

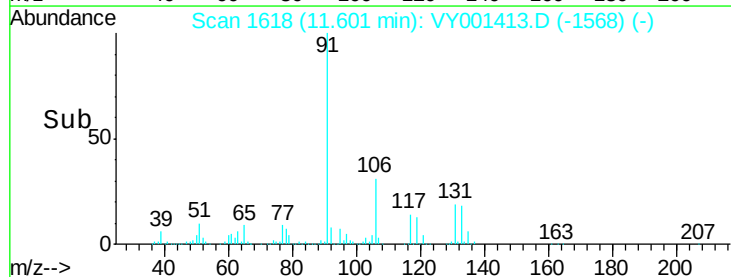
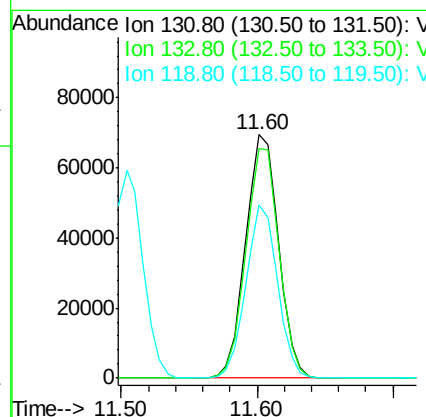
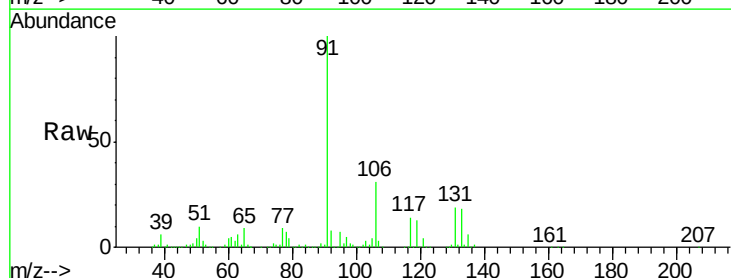
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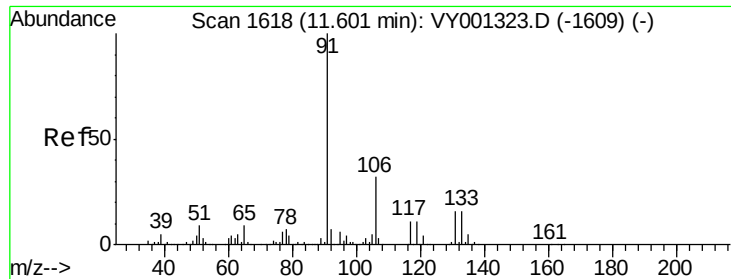
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.766 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion:131 Resp: 117623
Ion Ratio Lower Upper
131 100
133 95.5 47.1 141.3
119 68.5 34.1 102.2





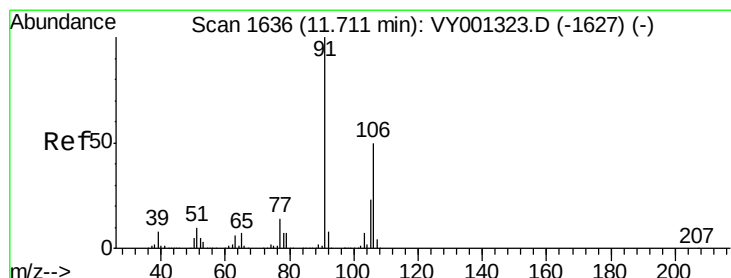
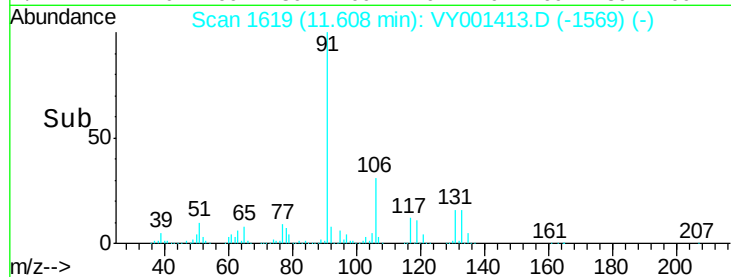
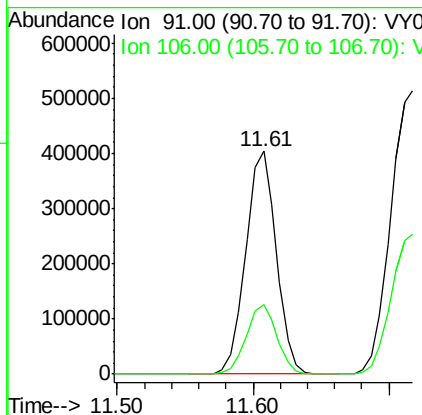
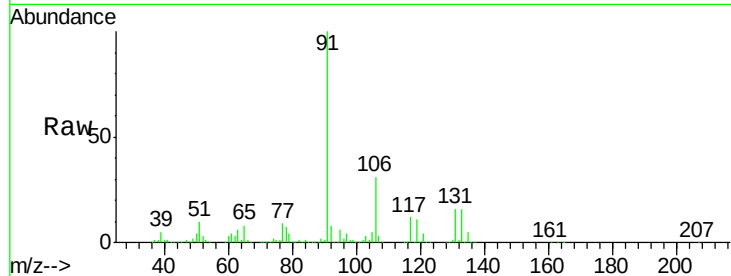
#67
Ethyl Benzene
Concen: 53.717 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 634608
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.0

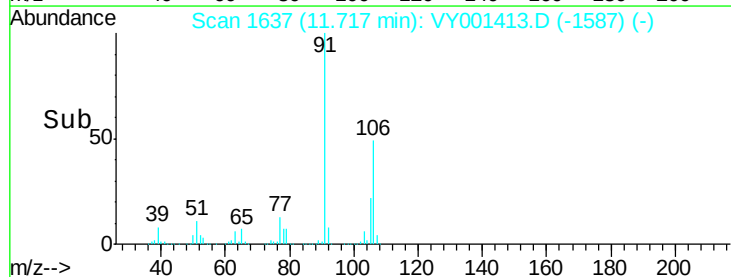
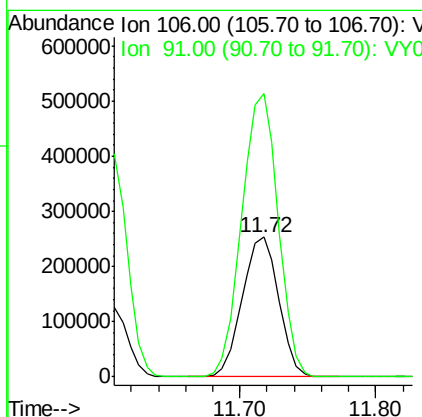
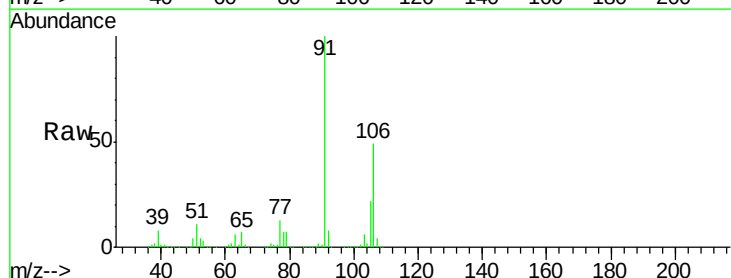
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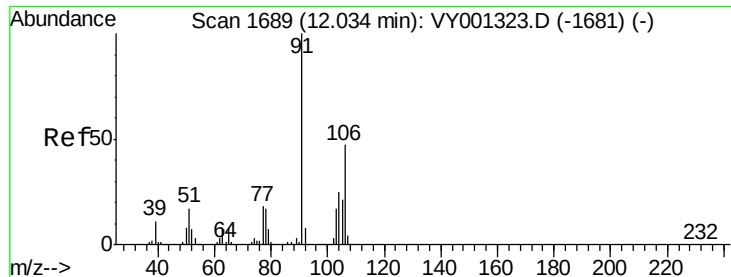
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#68
m/p-Xylenes
Concen: 107.231 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion: 106 Resp: 473138
Ion Ratio Lower Upper
106 100
91 203.6 162.8 244.2





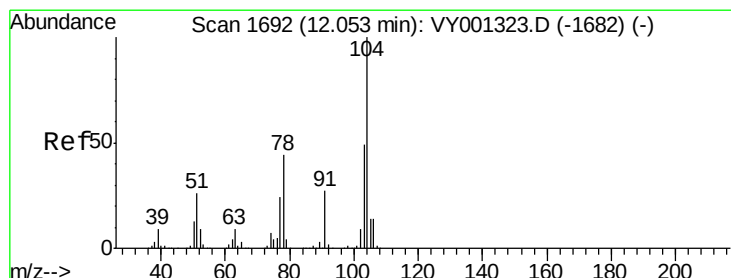
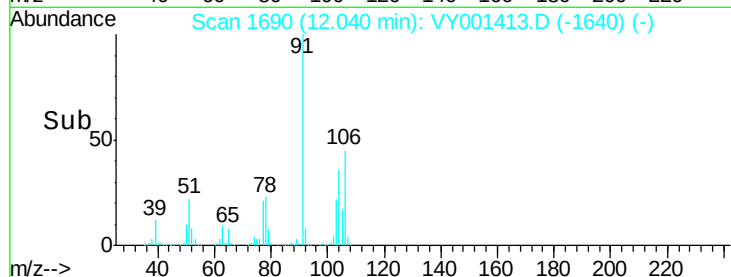
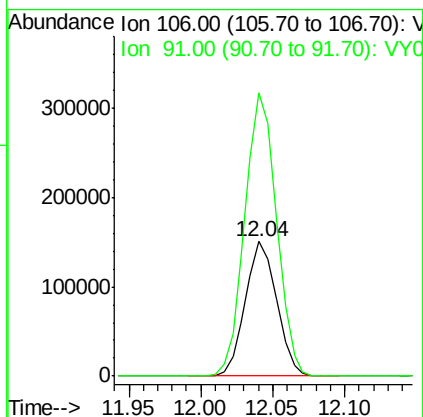
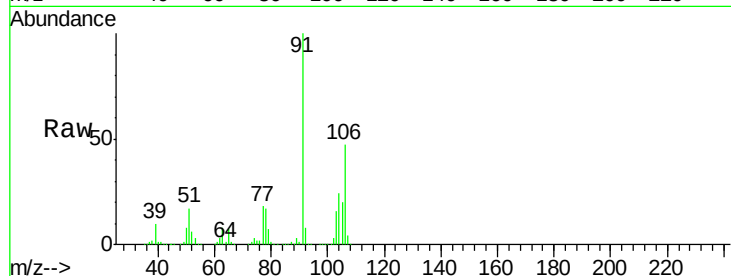
#69
o-Xylene
Concen: 53.533 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
227231	106	100			
	91	212.8	106.3	319.0	

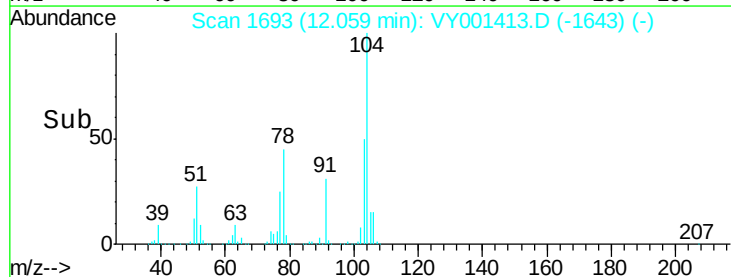
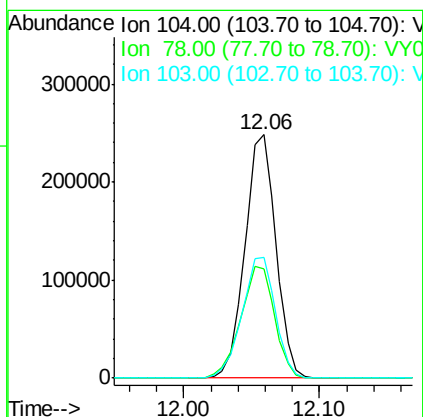
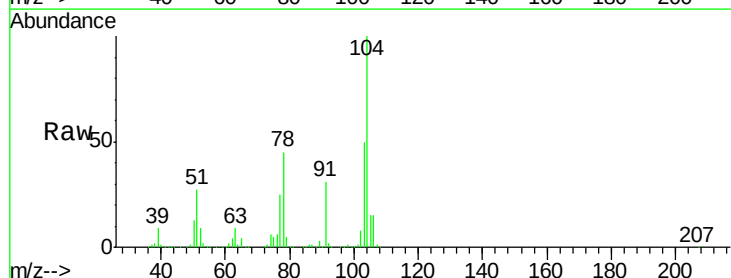
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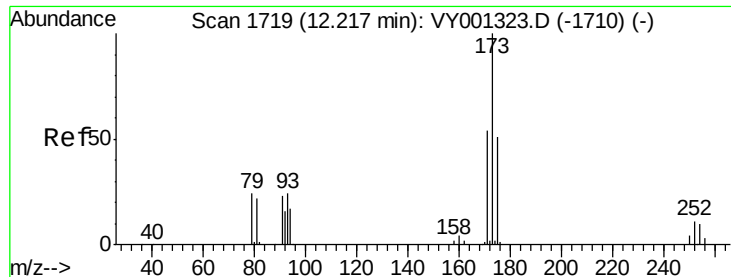
MMDadoda
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#70
Styrene
Concen: 53.209 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
396269	104	100			
	78	50.0	39.8	59.8	
	103	53.5	43.2	64.8	





#71

Bromoform

Concen: 50.292 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 65678

Ion Ratio Lower Upper

173 100

175 49.6 24.3 72.9

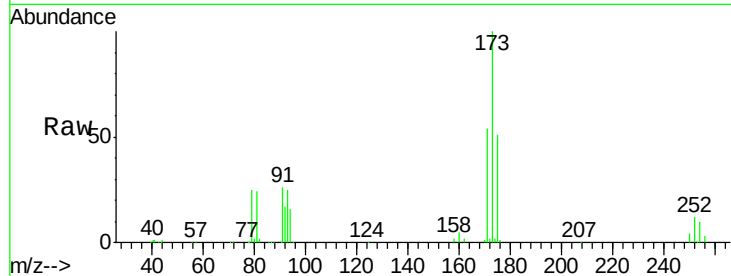
254 0.0 0.0 0.0#

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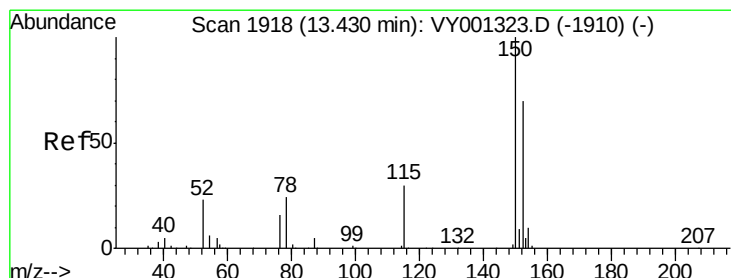
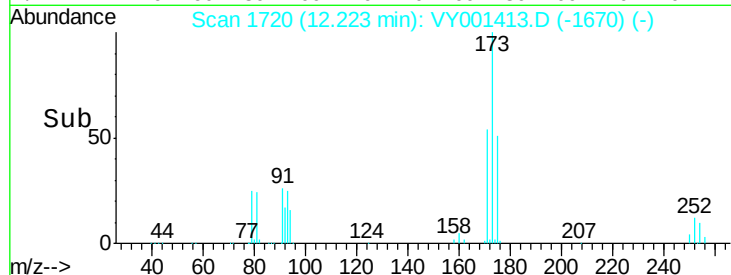
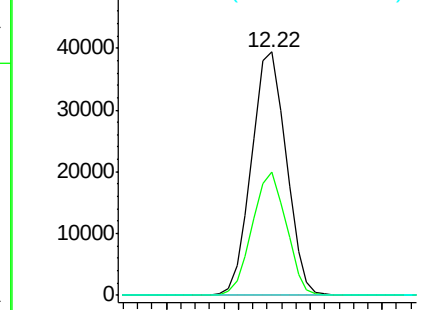
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

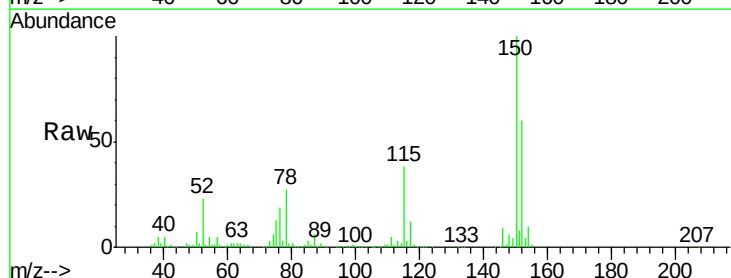
Tgt Ion:152 Resp: 141733

Ion Ratio Lower Upper

152 100

115 62.1 30.9 92.8

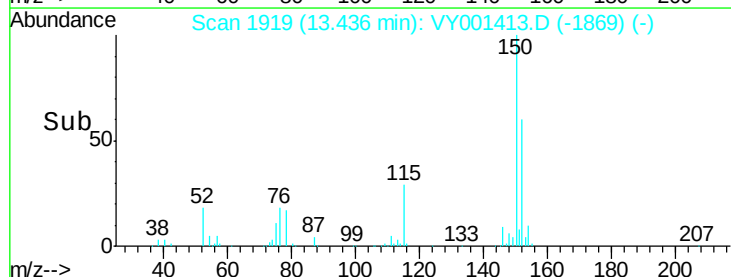
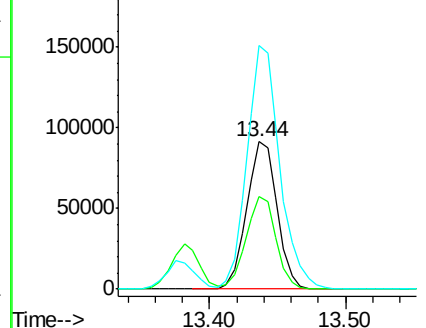
150 179.0 0.0 349.2

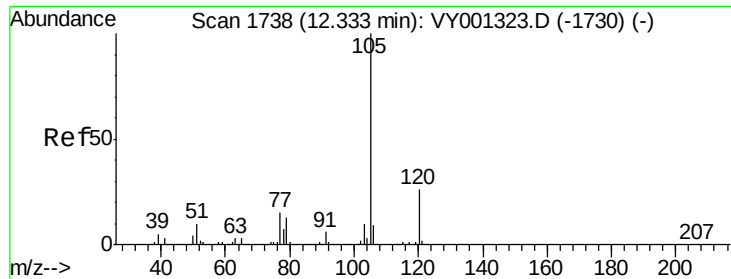


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.103 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 616266

Ion Ratio Lower Upper

105 100

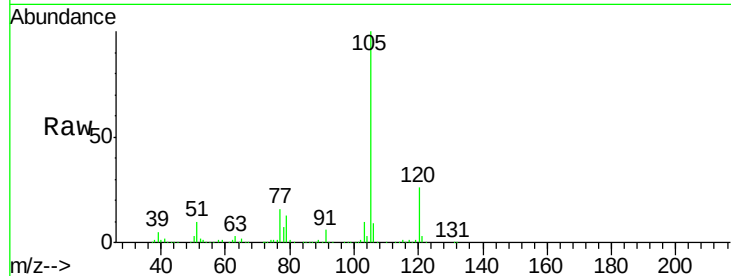
120 26.7 13.5 40.4

Manual Integrations

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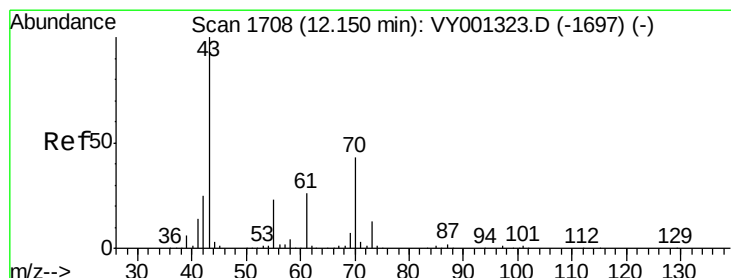
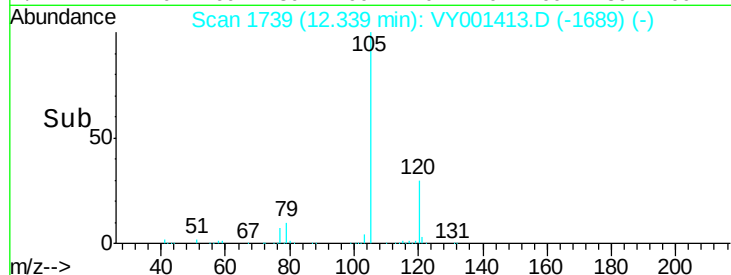
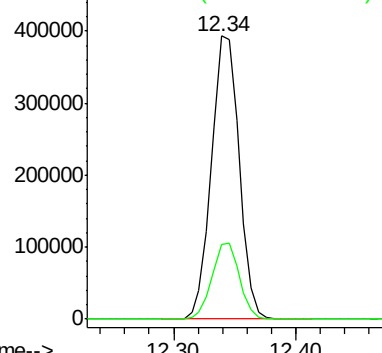
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.876 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion: 43 Resp: 186251

Ion Ratio Lower Upper

43 100

70 43.6 33.5 50.3

55 22.9 18.2 27.2

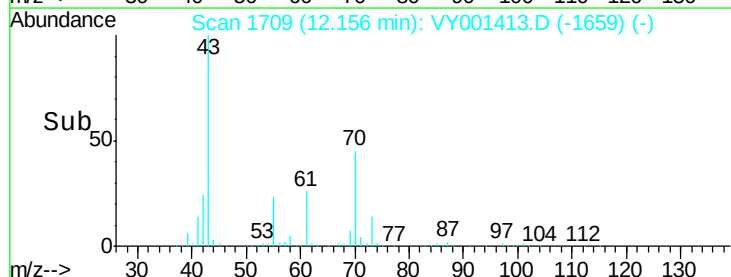
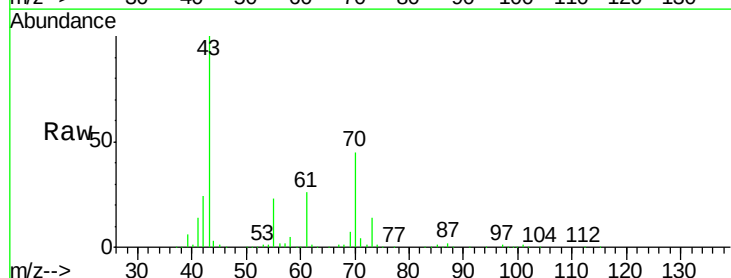
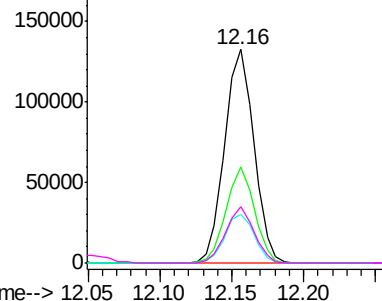
61 25.5 19.6 29.4

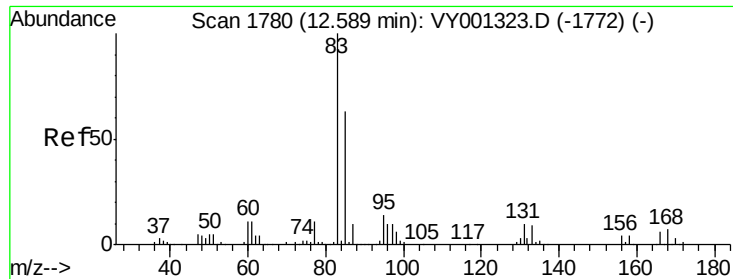
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.551 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

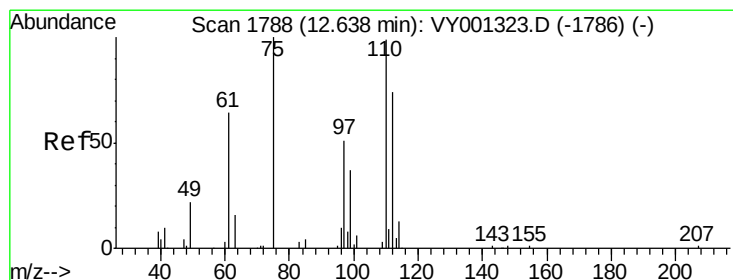
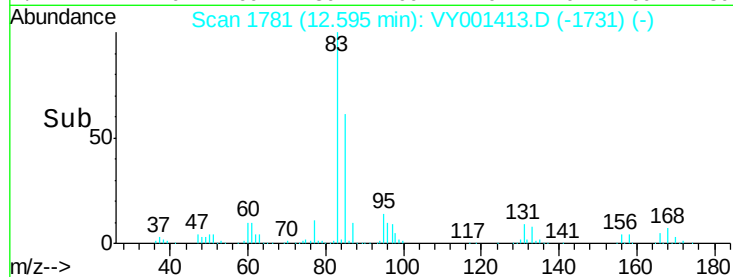
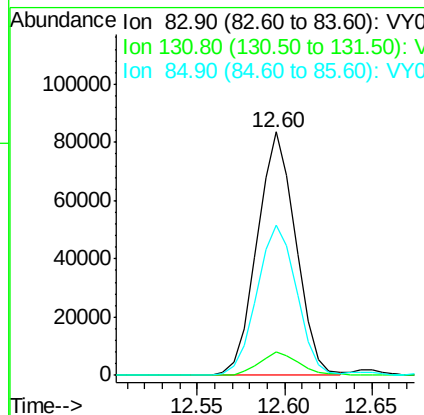
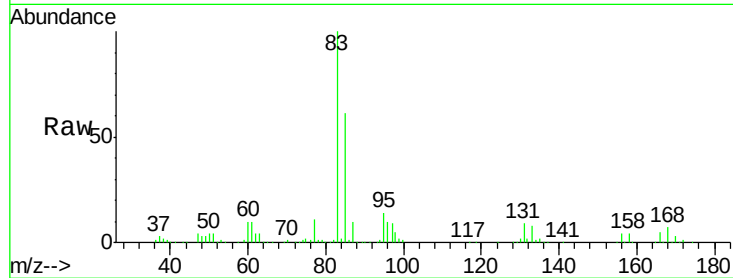
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	128265
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.5	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.880 ug/l m

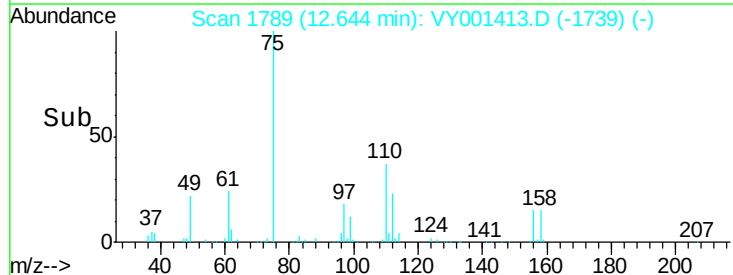
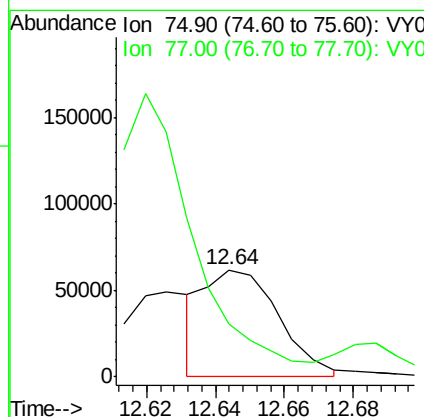
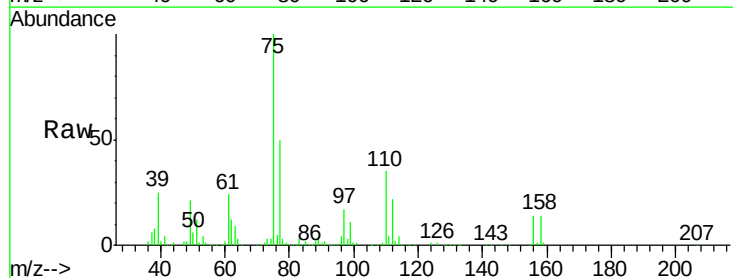
RT: 12.64 min Scan# 1789

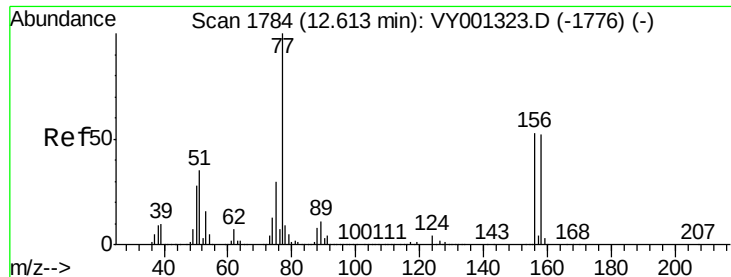
Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion:	75	Resp:	92021
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.484 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

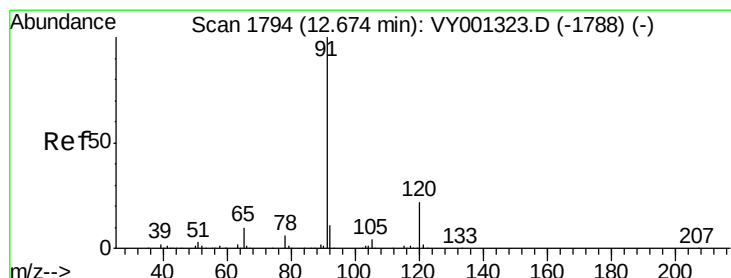
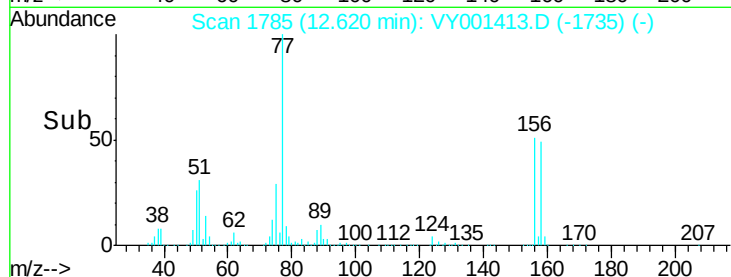
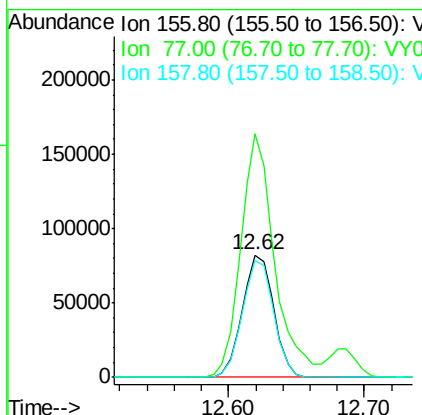
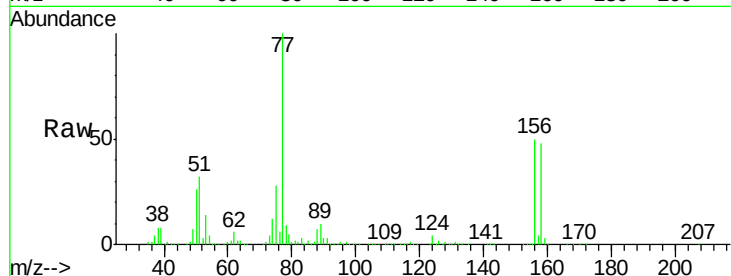
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.4	104.7	313.9
158	95.6	48.6	145.8

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#78

n-propylbenzene

Concen: 55.864 ug/l

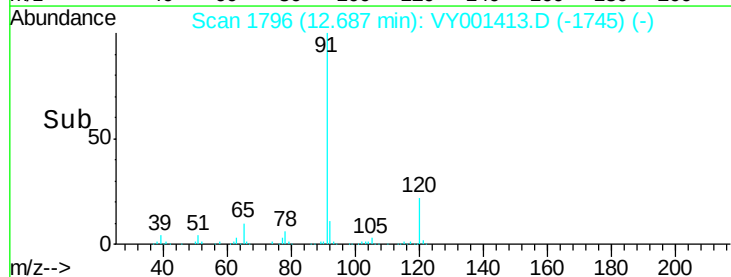
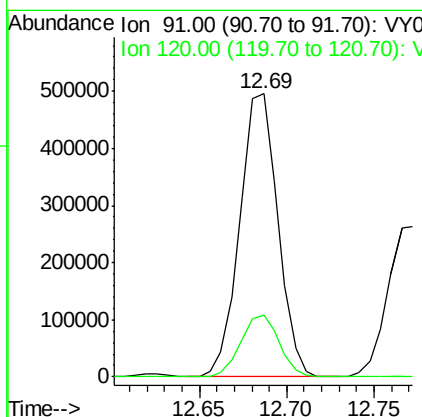
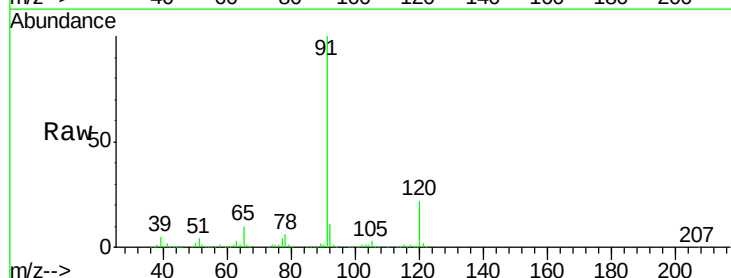
RT: 12.69 min Scan# 1796

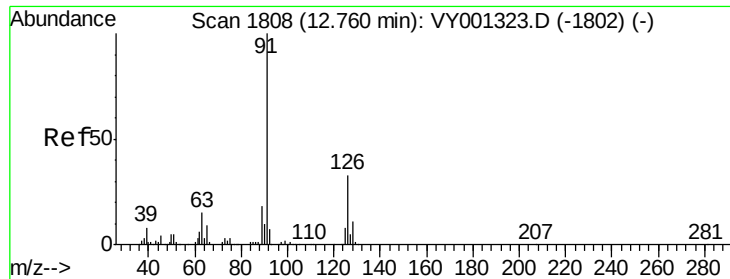
Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





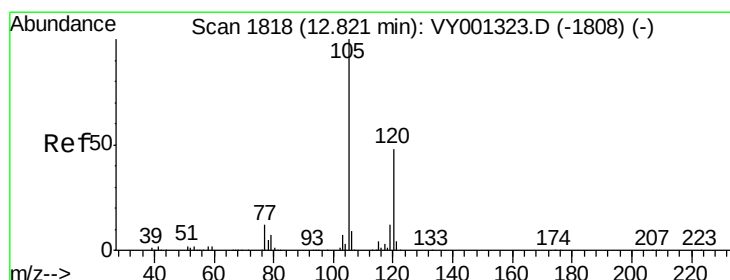
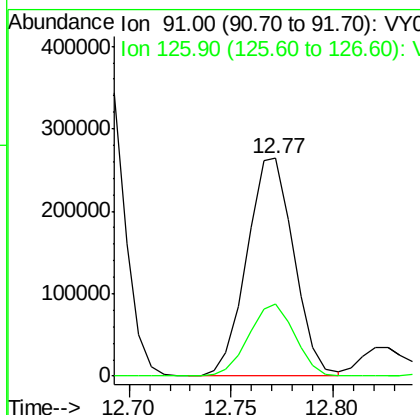
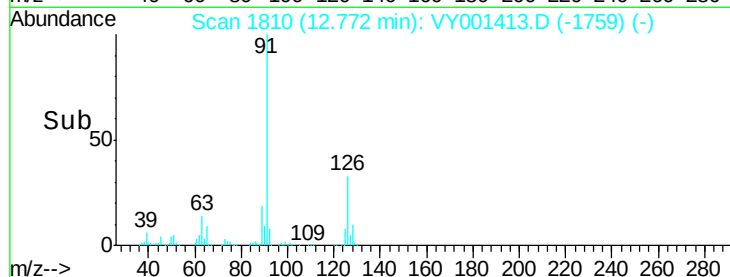
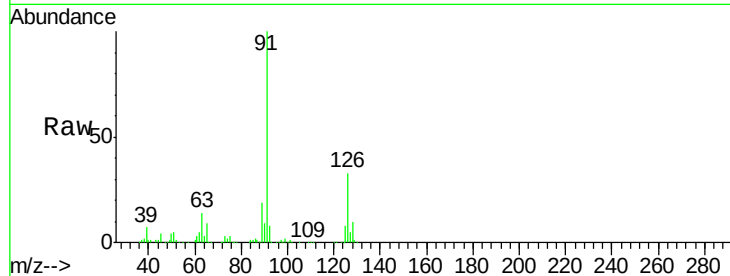
#79
 2-Chlorotoluene
 Concen: 55.172 ug/l
 RT: 12.77 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 424287
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.6 49.7

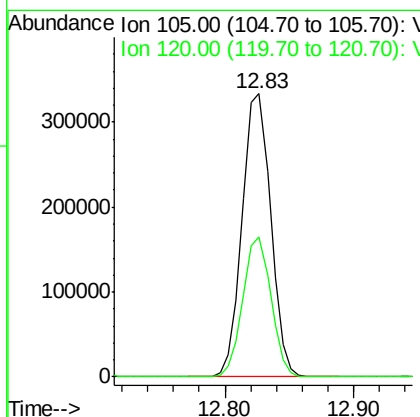
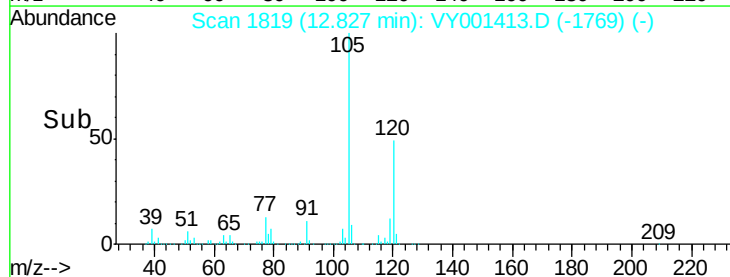
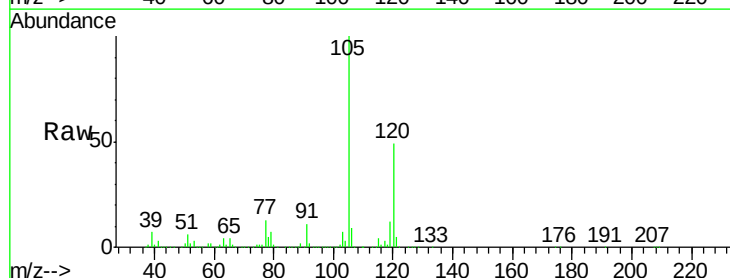
Manual Integrations
 APPROVED

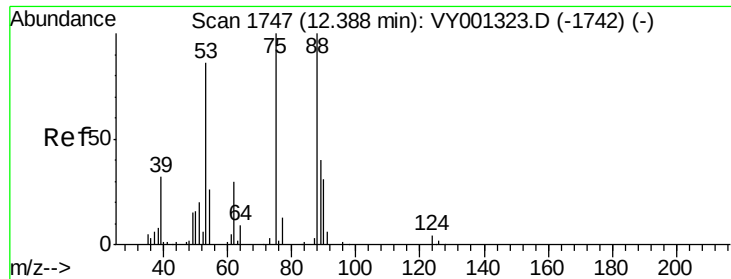
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.735 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion: 105 Resp: 510980
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9





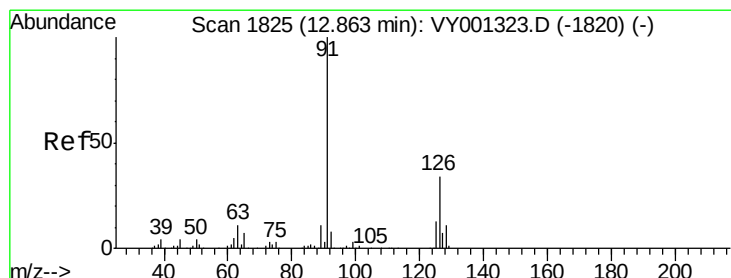
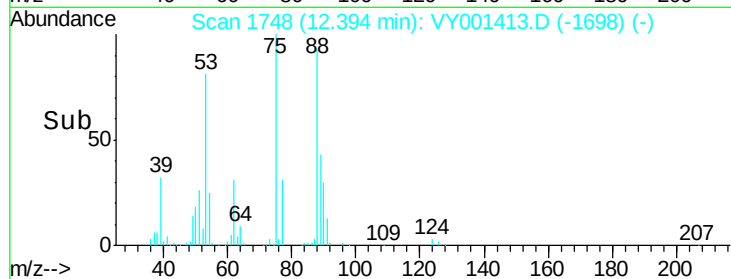
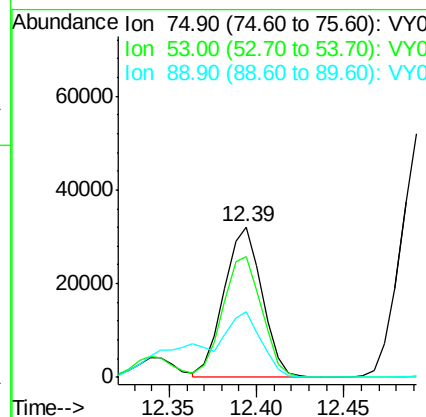
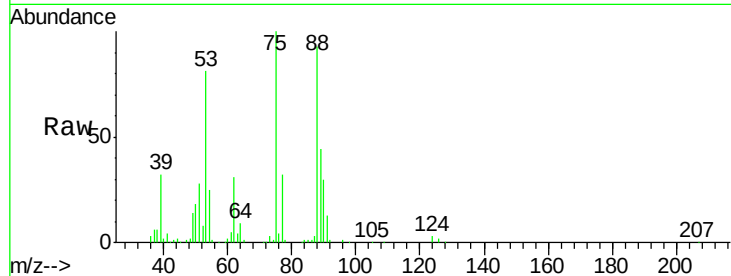
#81
trans-1,4-Dichloro-2-butene
Concen: 53.973 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.7	69.9	104.9
89	40.1	36.6	54.8

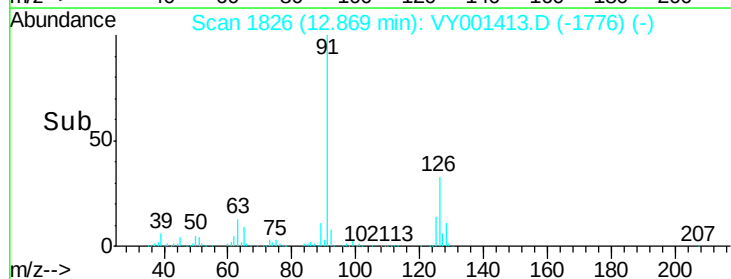
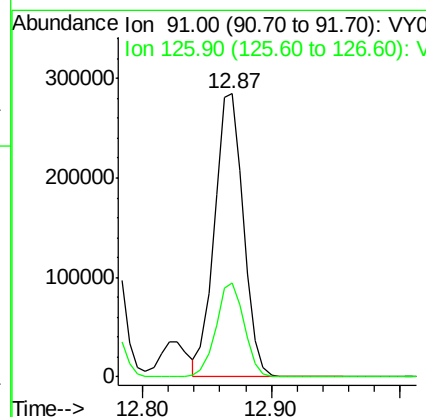
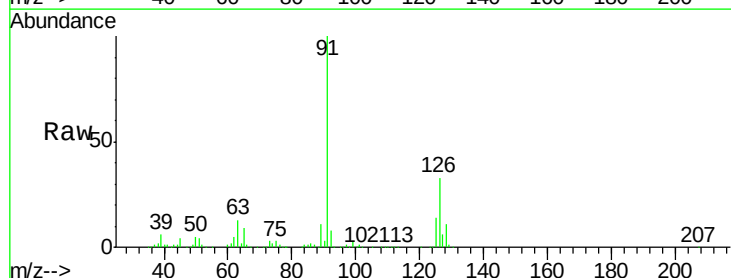
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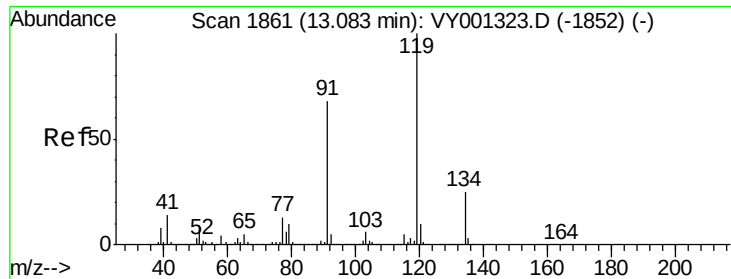
MMDadoda
1/30/2020 10:27:22 AM



#82
4-Chlorotoluene
Concen: 54.411 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.4





#83

tert-Butylbenzene

Concen: 55.621 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

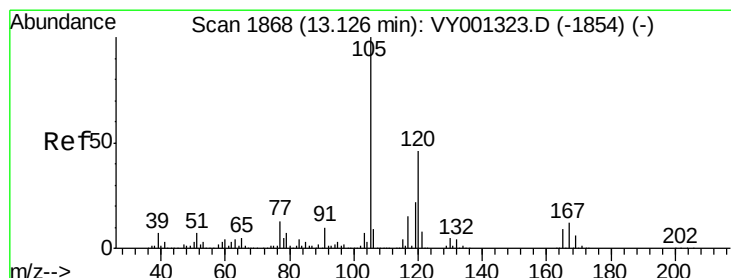
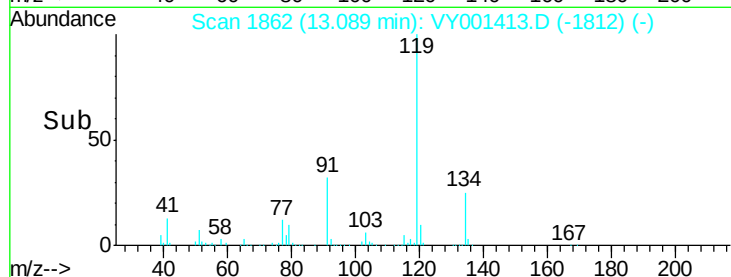
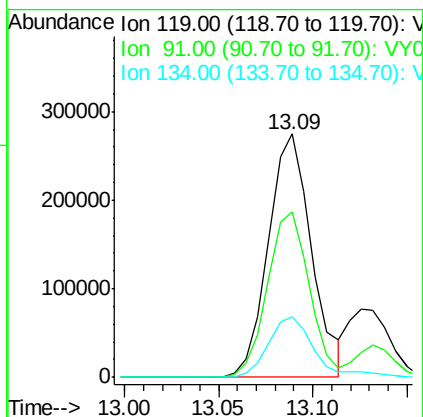
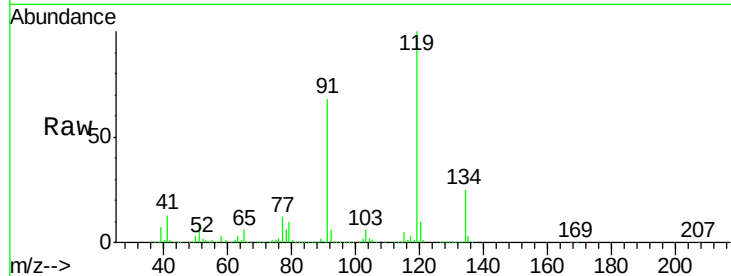
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	437687
Ion Ratio	Lower	Upper	
119	100		
91	65.8	33.0	99.0
134	26.4	13.3	39.9

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#84

1,2,4-Trimethylbenzene

Concen: 54.152 ug/l

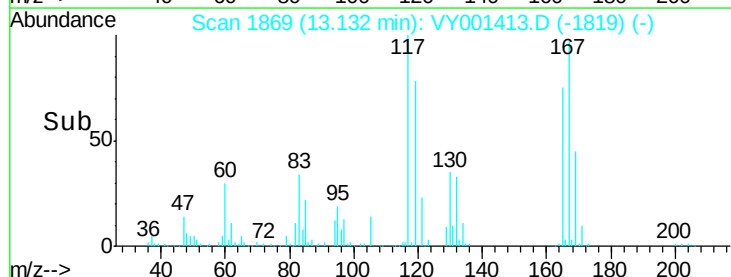
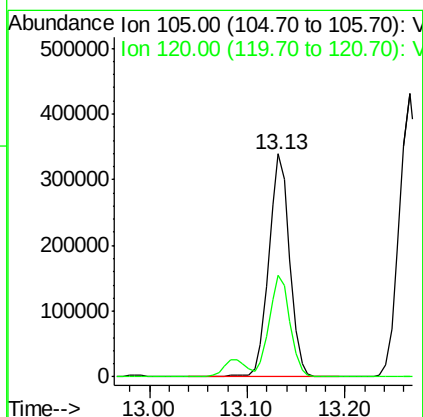
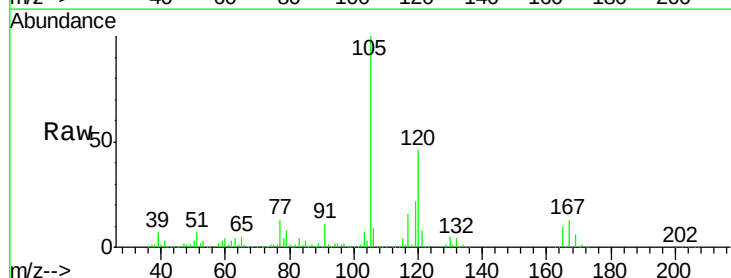
RT: 13.13 min Scan# 1869

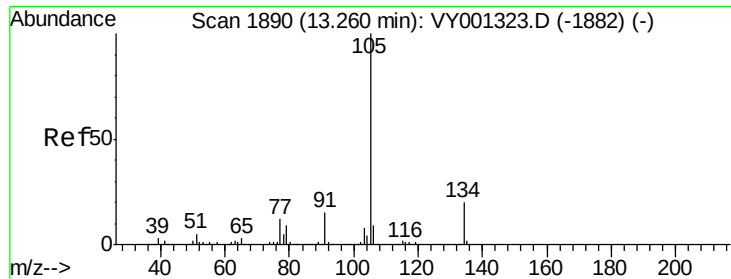
Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion:	105	Resp:	507542
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 56.593 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 632727

Ion Ratio Lower Upper

105 100

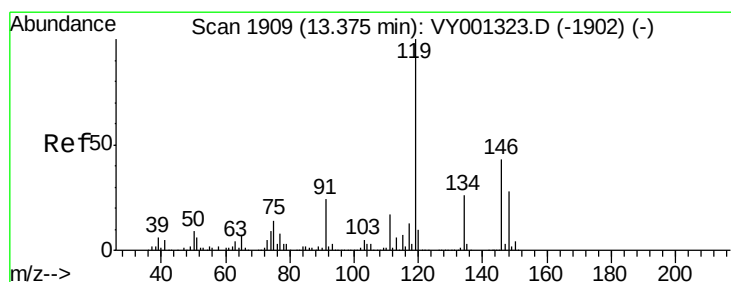
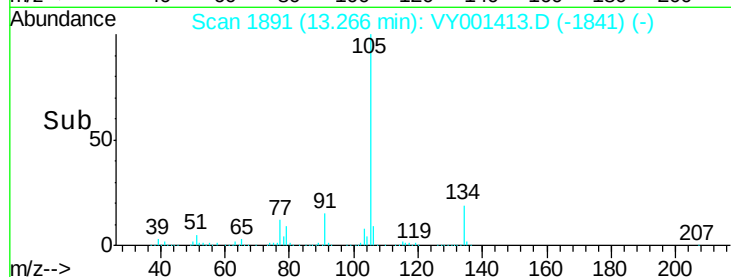
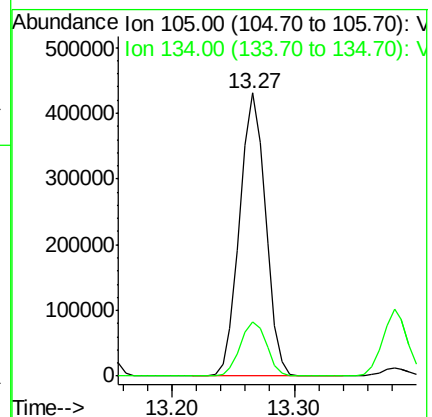
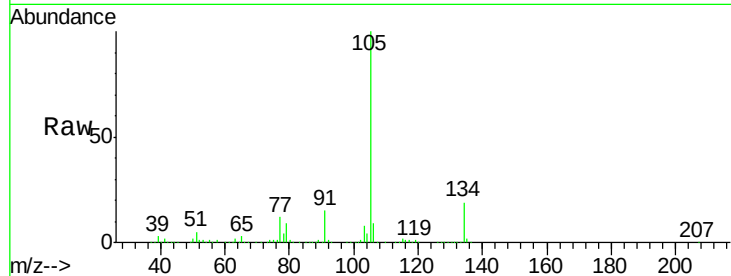
134 19.7 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 55.209 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

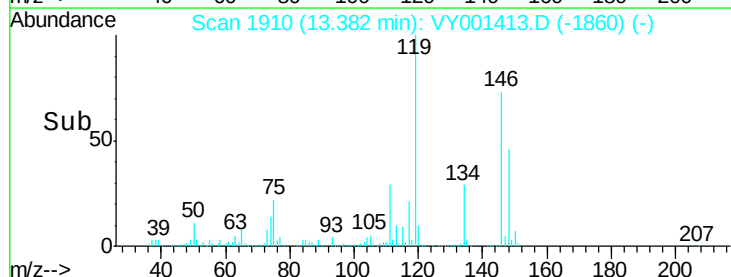
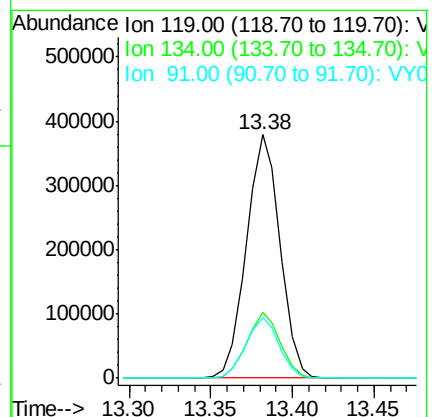
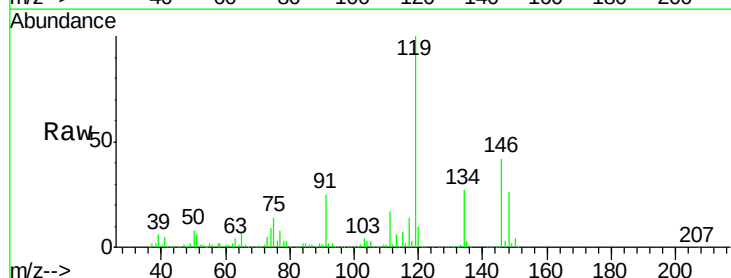
Tgt Ion:119 Resp: 543949

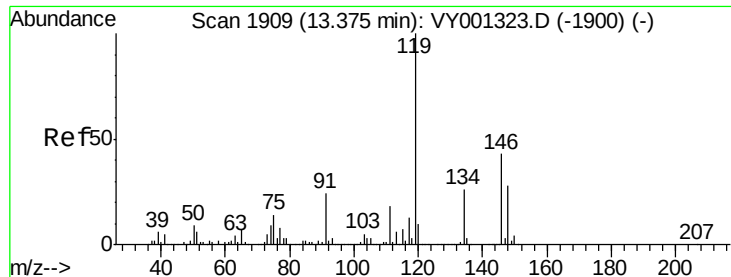
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 24.3 12.2 36.6





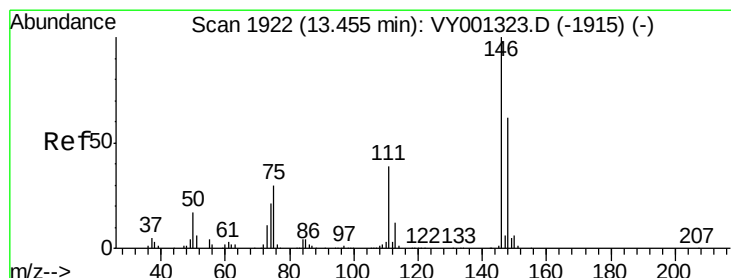
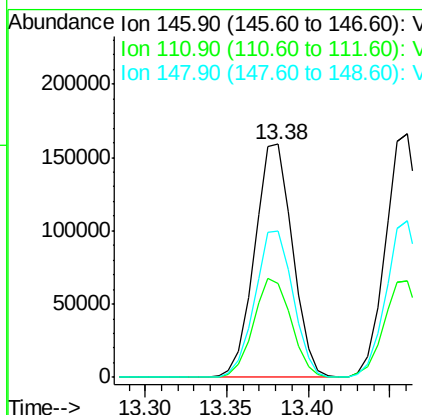
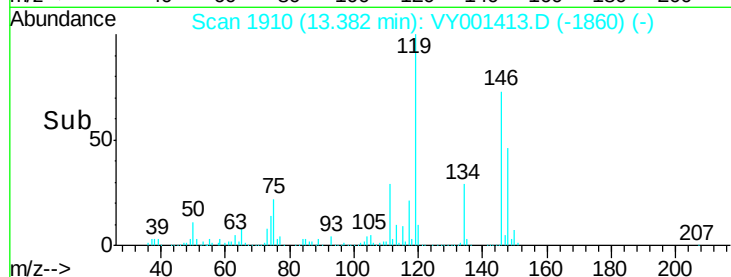
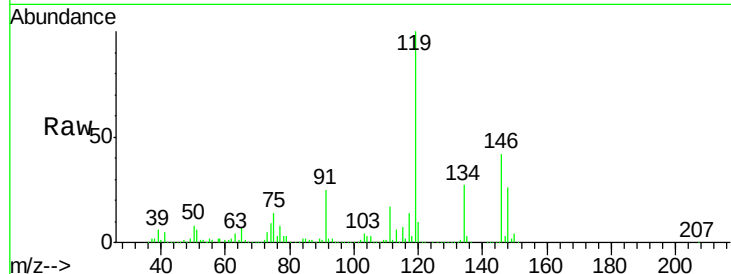
#87
 1,3-Dichlorobenzene
 Concen: 53.695 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	256165		
111	42.1	20.6	61.8	
148	63.3	31.6	95.0	

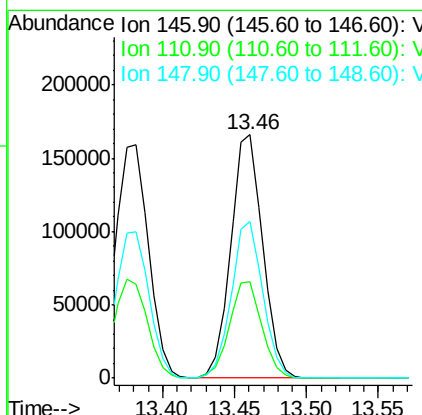
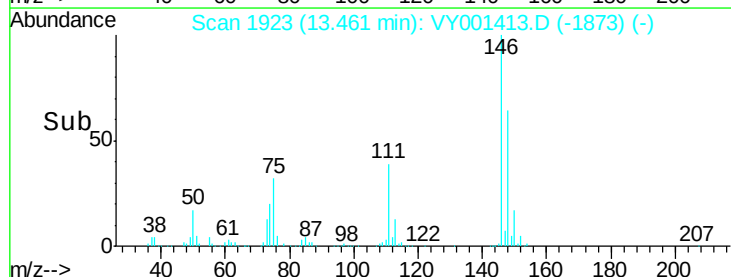
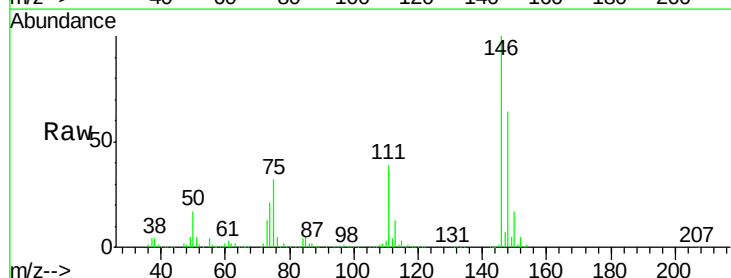
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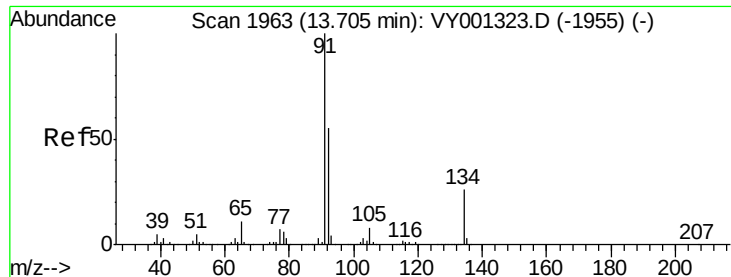
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#88
 1,4-Dichlorobenzene
 Concen: 53.015 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	256800		
111	40.3	20.5	61.5	
148	63.5	31.6	95.0	





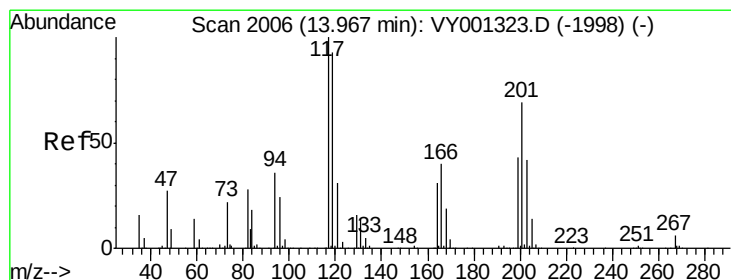
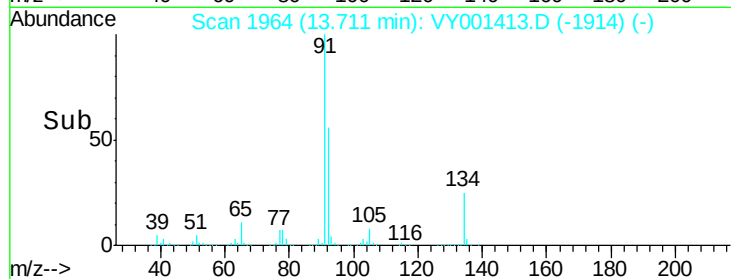
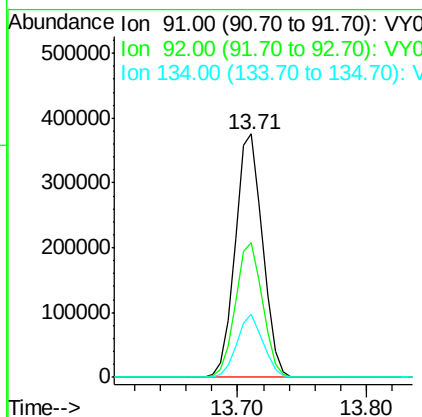
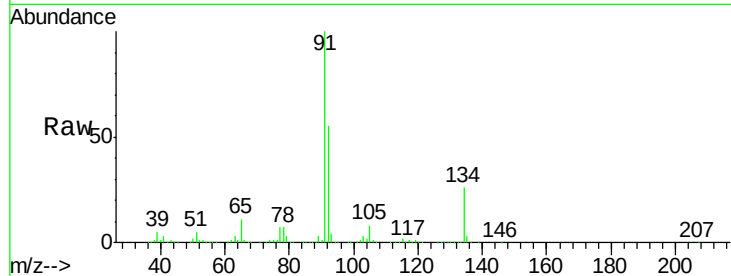
#89
n-Butylbenzene
Concen: 55.655 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	24.9	12.9	38.6

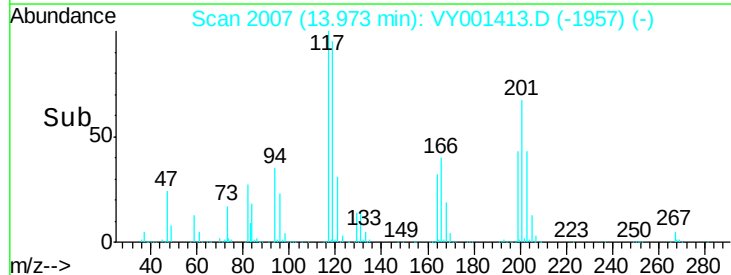
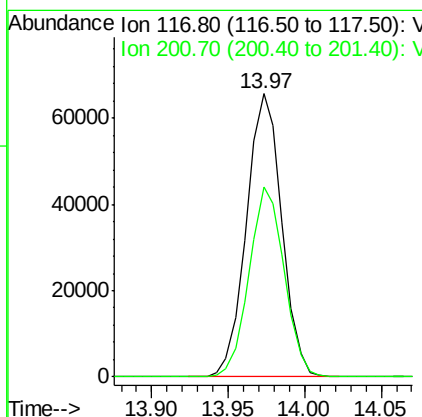
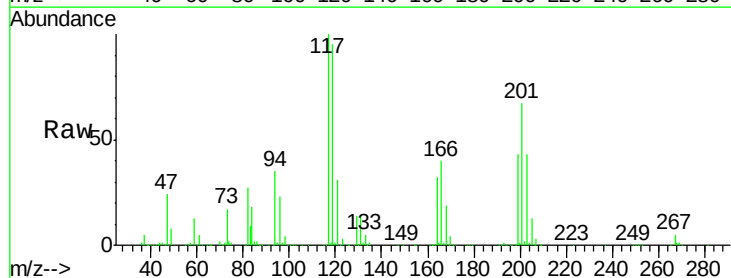
Manual Integrations
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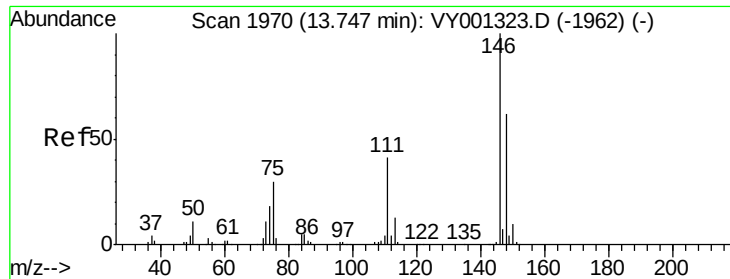
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1/30/2020 10:27:22 AM



#90
Hexachloroethane
Concen: 56.402 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.6	103.8





#91

1,2-Dichlorobenzene

Concen: 53.025 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Instrument :

MSVOA_Y

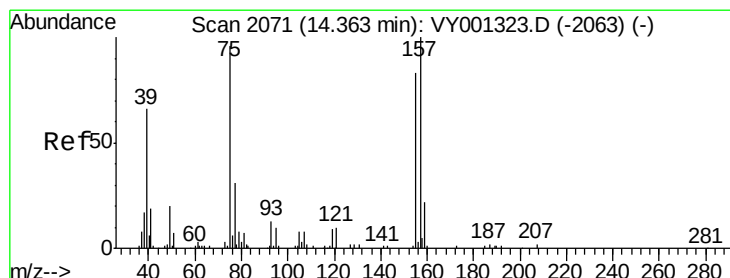
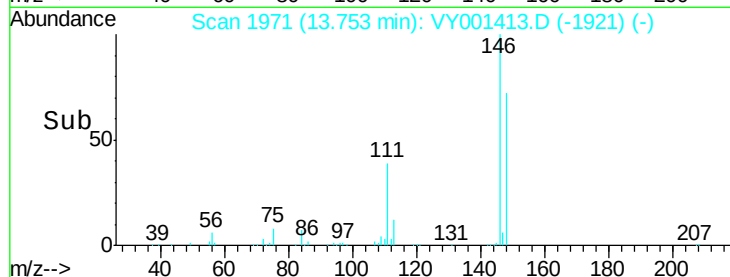
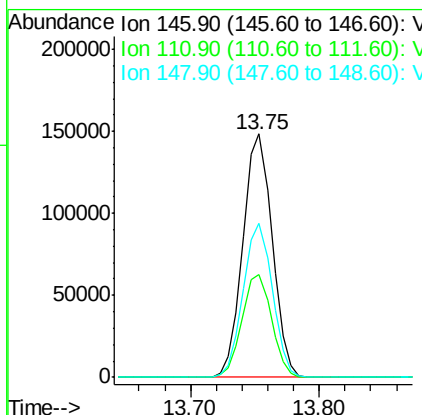
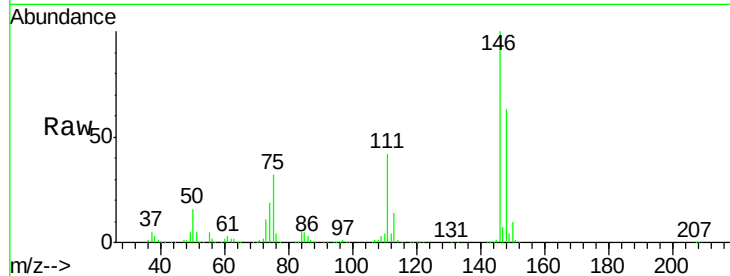
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	233297
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.1	63.4
148	63.3	31.5	94.5

Manual Integrations
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1/30/2020 10:27:22 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.958 ug/l

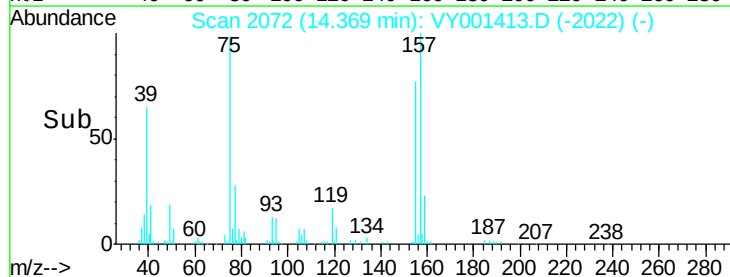
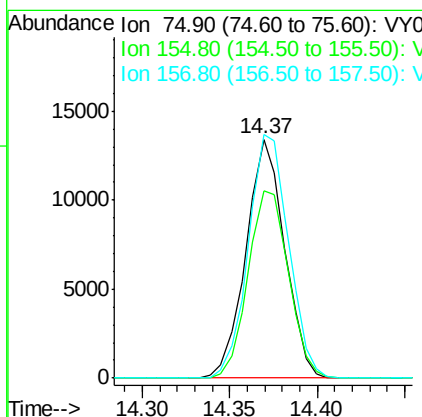
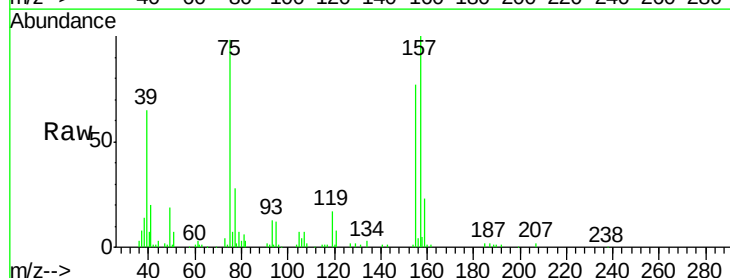
RT: 14.37 min Scan# 2072

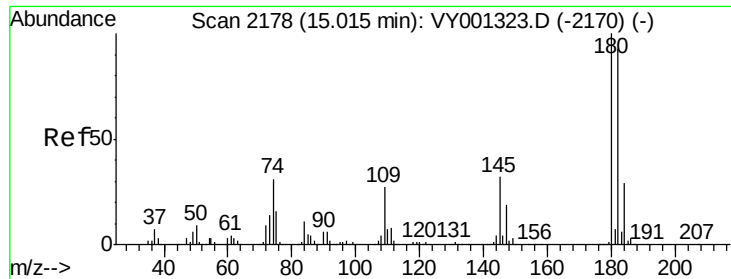
Delta R.T. 0.01 min

Lab File: VY001413.D

Acq: 29 Jan 2020 10:49

Tgt Ion:	75	Resp:	20648
Ion Ratio	Lower	Upper	
75	100		
155	81.7	43.0	129.2
157	105.8	53.3	160.0





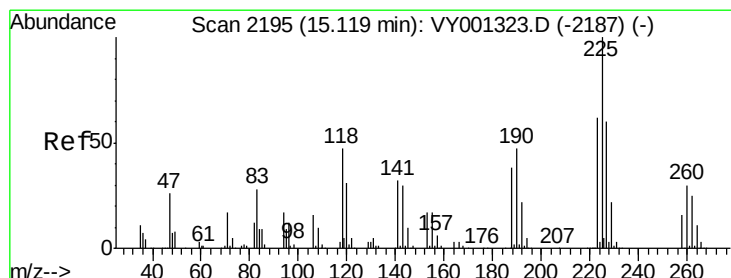
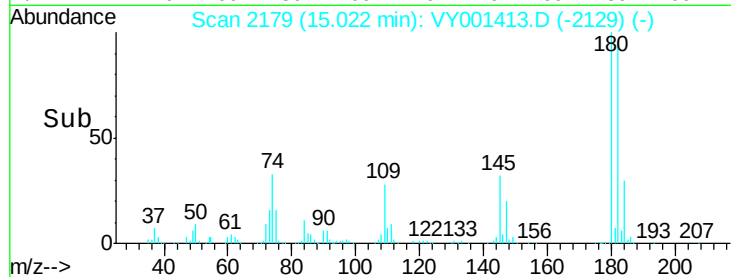
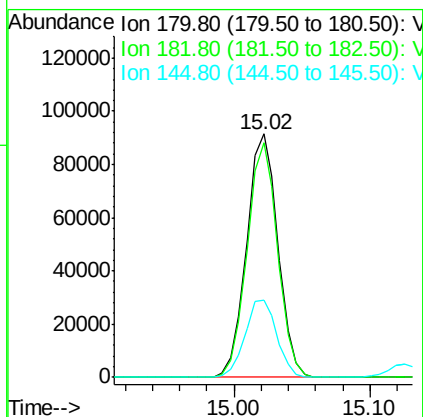
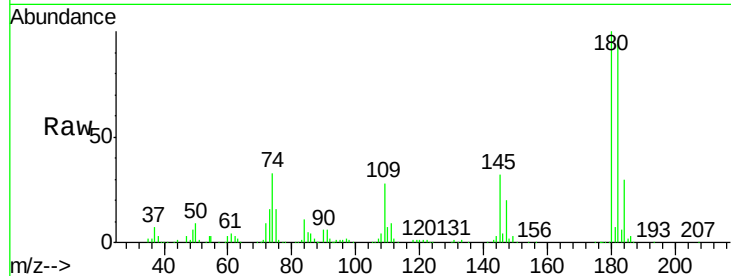
#93
 1,2,4-Trichlorobenzene
 Concen: 49.857 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.6	142.8
145	32.2	16.3	48.9

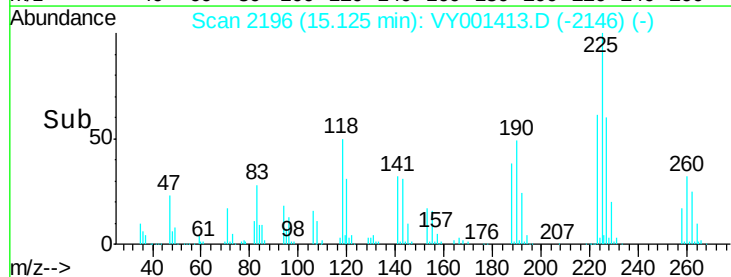
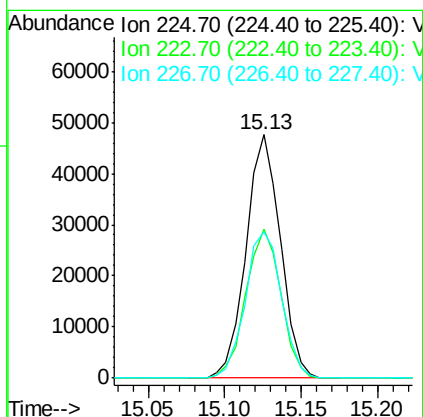
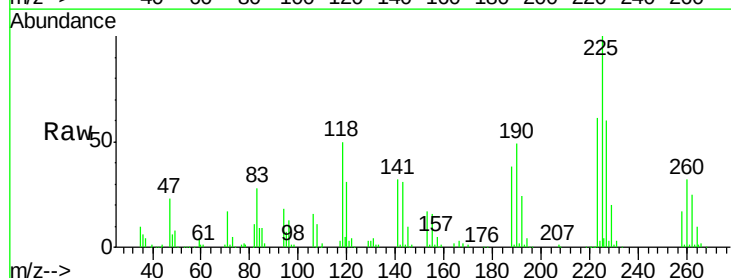
Manual Integrations
 APPROVED

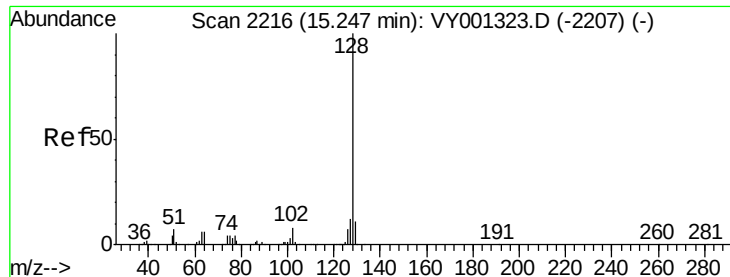
MMDadoda
 1/30/2020 10:27:22 AM



#94
 Hexachlorobutadiene
 Concen: 51.705 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001413.D
 Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.2	93.6
227	63.6	31.0	93.0





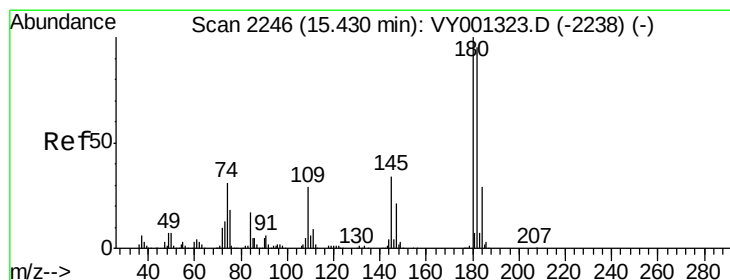
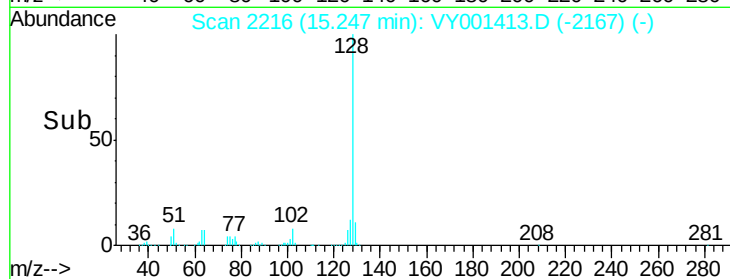
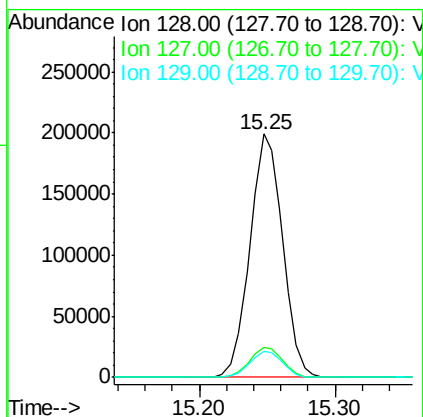
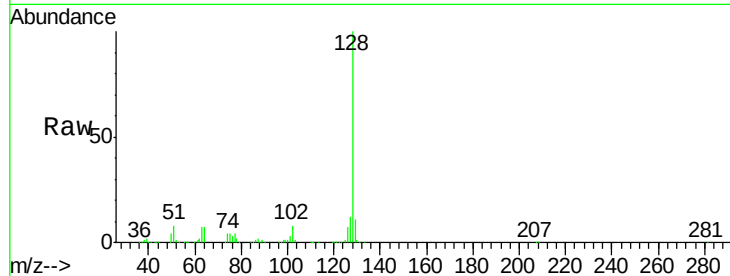
#95
Naphthalene
Concen: 49.612 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.292 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001413.D
Acq: 29 Jan 2020 10:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.8
145	33.7	16.8	50.3

