

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001608.D
 Acq On : 12 Feb 2020 11:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 12:27:49 PM

Quant Time: Feb 13 07:53:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	194840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	339109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	306847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	149186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	103277	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.75	113	97957	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.19	98	406234	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.49	95	151278	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	82772	43.399	ug/l	97
3) Chloromethane	2.13	50	109129	54.746	ug/l	96
4) Vinyl Chloride	2.27	62	114431	55.285	ug/l	100
5) Bromomethane	2.67	94	73356	56.353	ug/l	100
6) Chloroethane	2.82	64	72363	58.000	ug/l	96
7) Trichlorofluoromethane	3.15	101	148425	43.322	ug/l	96
8) Diethyl Ether	3.55	74	57772	49.969	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	95274	46.217	ug/l	99
10) Methyl Iodide	4.12	142	120491	45.872	ug/l	99
11) Tert butyl alcohol	4.99	59	50785	227.113	ug/l	98
12) 1,1-Dichloroethene	3.90	96	95901	46.816	ug/l	98
13) Acrolein	3.76	56	47090	253.505	ug/l	99
14) Allyl chloride	4.51	41	168963	53.918	ug/l	97
15) Acrylonitrile	5.21	53	152433	287.599	ug/l	99
16) Acetone	3.98	43	167059	294.398	ug/l	98
17) Carbon Disulfide	4.22	76	304793	46.739	ug/l	99
18) Methyl Acetate	4.51	43	68651	56.692	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	265446	48.726	ug/l	95
20) Methylene Chloride	4.75	84	109567	49.240	ug/l	90
21) trans-1,2-Dichloroethene	5.26	96	109988	48.298	ug/l	97
22) Diisopropyl ether	6.15	45	355144	57.203	ug/l	94
23) Vinyl Acetate	6.10	43	1174109	297.069	ug/l	95
24) 1,1-Dichloroethane	6.05	63	189264	50.681	ug/l	96
25) 2-Butanone	7.02	43	227101	308.481	ug/l	92
26) 2,2-Dichloropropane	7.01	77	165155	46.209	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	120972	48.636	ug/l	97
28) Bromochloromethane	7.36	49	84708	66.585	ug/l	88
29) Tetrahydrofuran	7.38	42	135738	307.621	ug/l	93
30) Chloroform	7.53	83	181825	48.068	ug/l	99
31) Cyclohexane	7.81	56	192934	50.506	ug/l	94
32) 1,1,1-Trichloroethane	7.73	97	158359	46.174	ug/l	97
36) 1,1-Dichloropropene	7.94	75	152968	49.309	ug/l	98
37) Ethyl Acetate	7.10	43	89899	59.862	ug/l	97
38) Carbon Tetrachloride	7.93	117	137082	45.673	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	197967	48.465	ug/l	96
40) Benzene	8.18	78	448207	50.654	ug/l	100
41) Methacrylonitrile	7.34	41	33023m	47.446	ug/l	
42) 1,2-Dichloroethane	8.26	62	120337	48.815	ug/l	99
43) Isopropyl Acetate	8.30	43	175813	59.128	ug/l	95
44) Trichloroethene	8.96	130	112458	47.150	ug/l	98
45) 1,2-Dichloropropane	9.24	63	113224	52.990	ug/l	99
46) Dibromomethane	9.32	93	59087	49.247	ug/l	99
47) Bromodichloromethane	9.51	83	143896	49.223	ug/l	97
48) Methyl methacrylate	9.31	41	79278	58.745	ug/l	92
49) 1,4-Dioxane	9.32	88	15429	973.729	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	456662	311.859	ug/l	95
52) Toluene	10.26	92	283113	50.426	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	158421	49.754	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	181686	49.702	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	88129	51.195	ug/l	99
56) Ethyl methacrylate	10.52	69	133759	54.630	ug/l	94
57) 1,3-Dichloropropane	10.80	76	154809	51.017	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	265054	294.269	ug/l	95
59) 2-Hexanone	10.85	43	343750	322.863	ug/l	96
60) Dibromochloromethane	11.00	129	98381	48.484	ug/l	100
61) 1,2-Dibromoethane	11.10	107	83962	49.520	ug/l	98
64) Tetrachloroethene	10.73	164	91267	45.354	ug/l	98
65) Chlorobenzene	11.53	112	291078	48.312	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	100491	47.656	ug/l	99
67) Ethyl Benzene	11.60	91	542679	48.715	ug/l	98
68) m/p-Xylenes	11.71	106	410407	98.138	ug/l	99
69) o-Xylene	12.04	106	195206	49.507	ug/l	99
70) Styrene	12.05	104	340375	49.918	ug/l	99
71) Bromoform	12.22	173	58585	49.895	ug/l #	100
73) Isopropylbenzene	12.34	105	529932	46.574	ug/l	100
74) N-amyl acetate	12.16	43	169260	57.247	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.60	83	113619	52.559	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	78558m	48.966	ug/l	
77) Bromobenzene	12.62	156	112611	45.733	ug/l	93
78) n-propylbenzene	12.68	91	653214	47.954	ug/l	99
79) 2-Chlorotoluene	12.77	91	360406	46.417	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	441798	46.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	41117	49.590	ug/l	96
82) 4-Chlorotoluene	12.86	91	380810	46.778	ug/l	99
83) tert-Butylbenzene	13.09	119	382359	47.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	442582	46.666	ug/l	100
85) sec-Butylbenzene	13.27	105	549820	48.281	ug/l	99
86) p-Isopropyltoluene	13.38	119	479668	47.798	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	224016	47.471	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	225813	47.765	ug/l	98
89) n-Butylbenzene	13.71	91	491789	49.668	ug/l	99
90) Hexachloroethane	13.97	117	92172	47.853	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	205187	47.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	18227	45.673	ug/l	98

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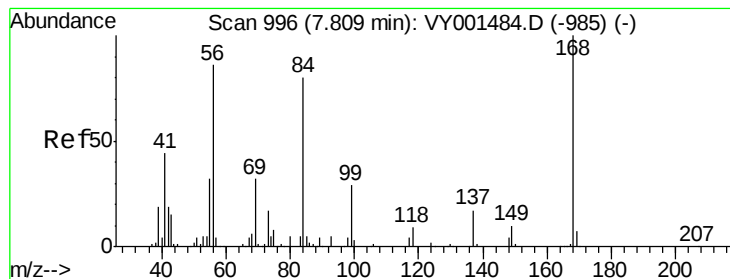
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	132053	45.822	ug/l	98
94) Hexachlorobutadiene	15.13	225	67392	46.076	ug/l	98
95) Naphthalene	15.25	128	311292	45.961	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	117642	46.245	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 194840

Ion Ratio Lower Upper

168 100

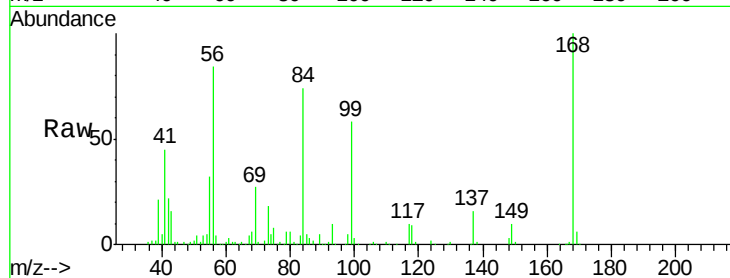
99 57.7 48.2 72.4

Manual Integrations

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2/13/2020 12:27:49 PM

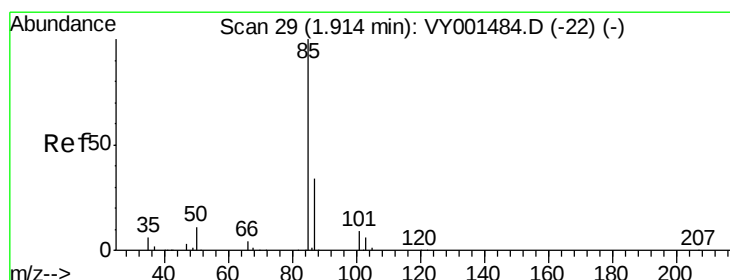
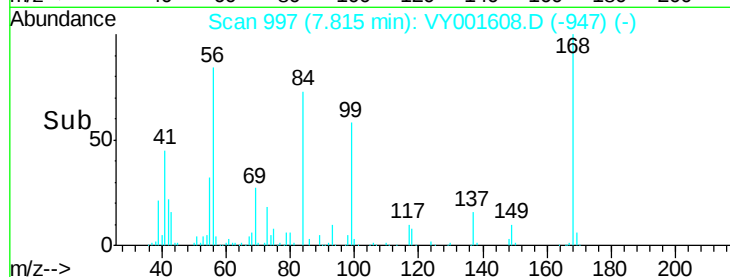


Abundance Ion 167.90 (167.60 to 168.60): VY001608.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001608.D (-947) (-)

7.82

Time-->



#2

Dichlorodifluoromethane

Concen: 43.399 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001608.D

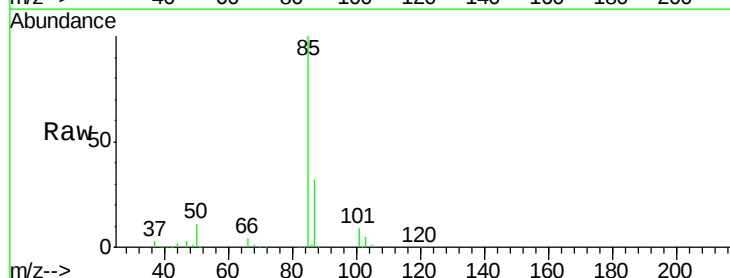
Acq: 12 Feb 2020 11:15

Tgt Ion: 85 Resp: 82772

Ion Ratio Lower Upper

85 100

87 32.1 17.0 50.9

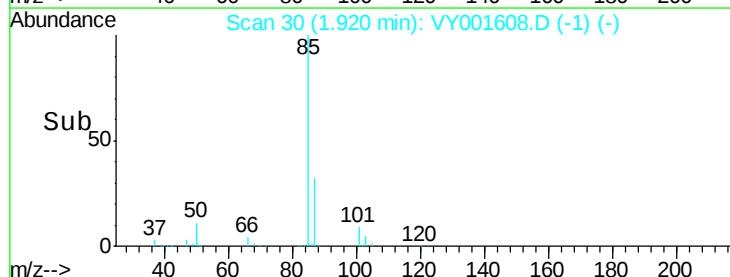


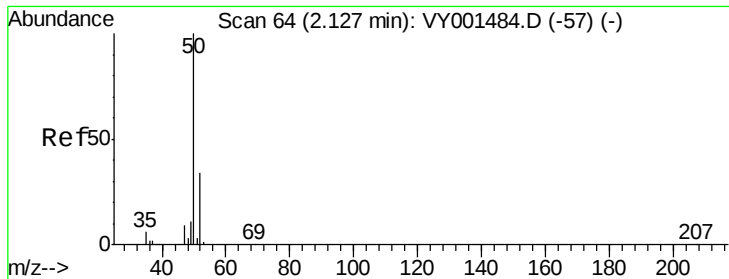
Abundance Ion 84.90 (84.60 to 85.60): VY001608.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001608.D (-1) (-)

1.92

Time-->





#3

Chloromethane

Concen: 54.746 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109129

Ion Ratio Lower Upper

50 100

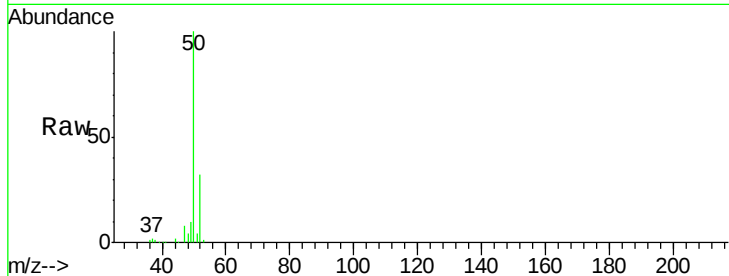
52 32.1 27.3 40.9

Manual Integrations

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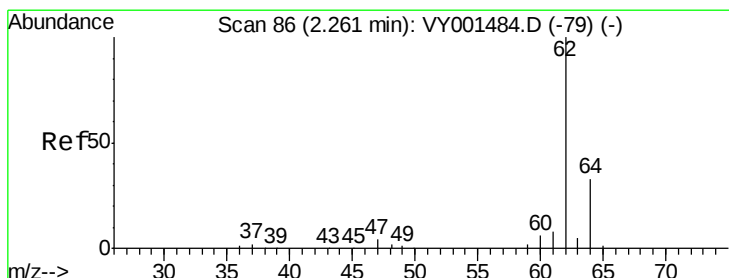
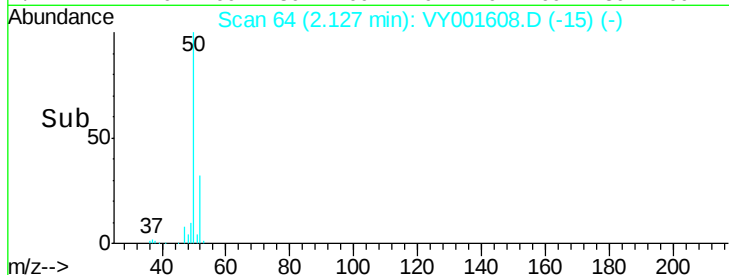
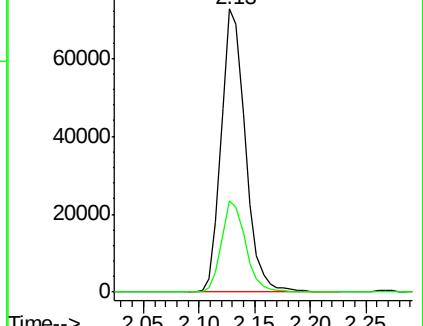
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 55.285 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001608.D

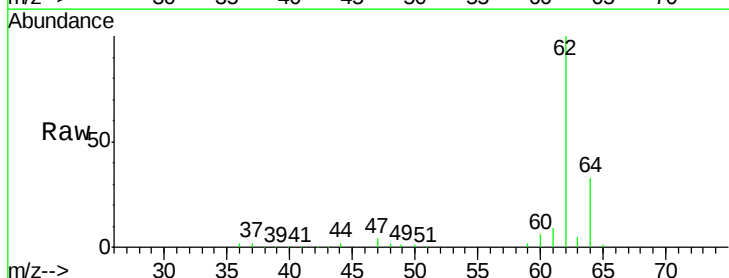
Acq: 12 Feb 2020 11:15

Tgt Ion: 62 Resp: 114431

Ion Ratio Lower Upper

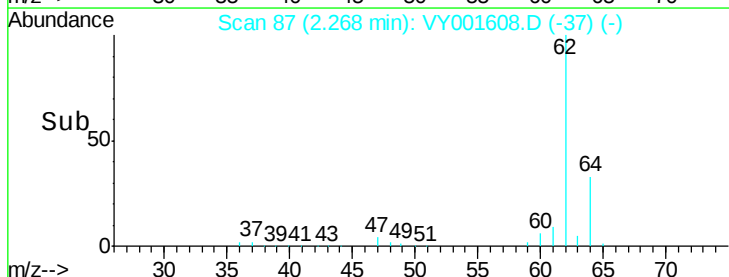
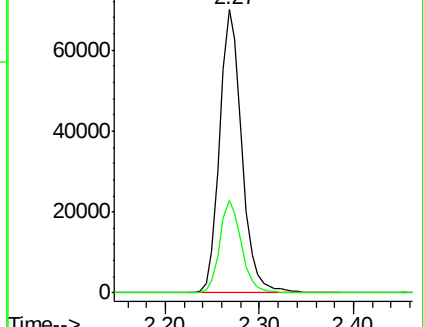
62 100

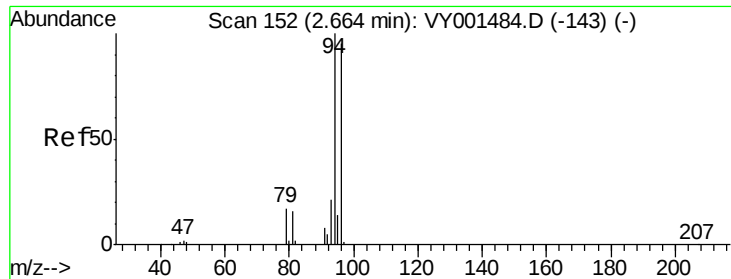
64 32.7 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 56.353 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 73356

Ion Ratio Lower Upper

94 100

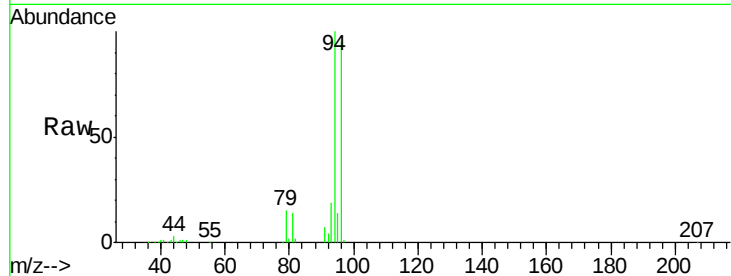
96 95.3 76.2 114.2

Manual Integrations

APPROVED

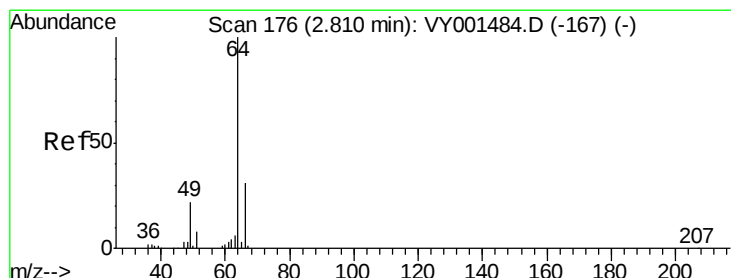
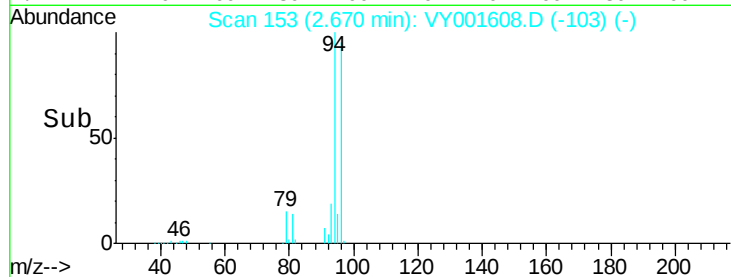
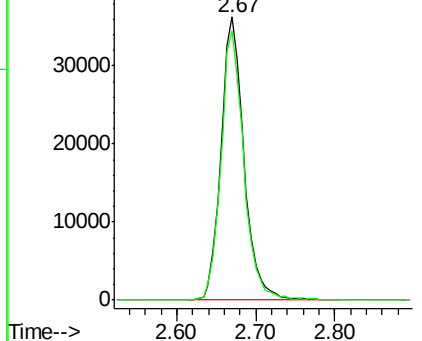
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 58.000 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001608.D

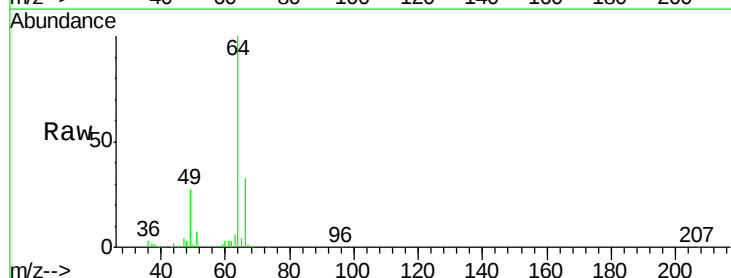
Acq: 12 Feb 2020 11:15

Tgt Ion: 64 Resp: 72363

Ion Ratio Lower Upper

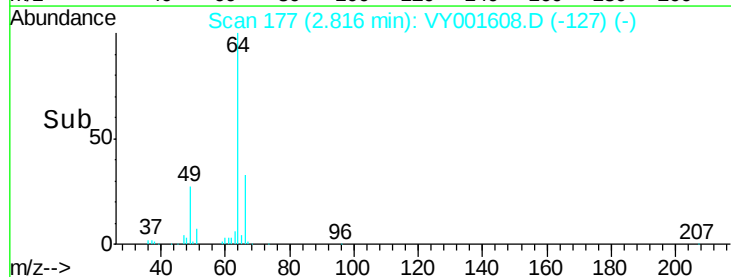
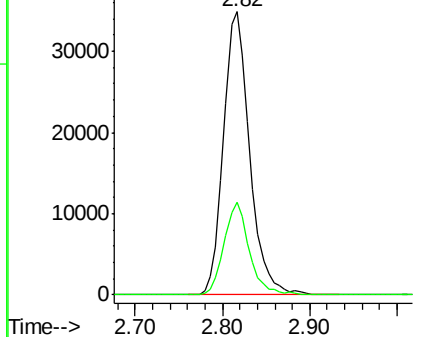
64 100

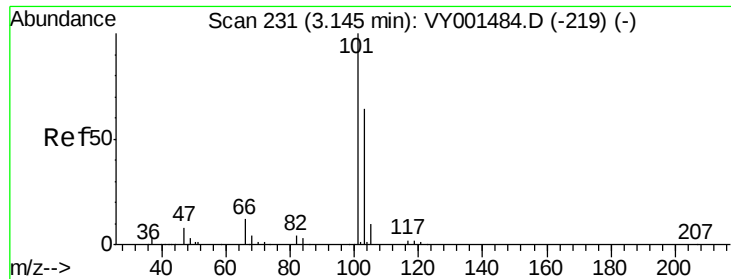
66 32.8 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

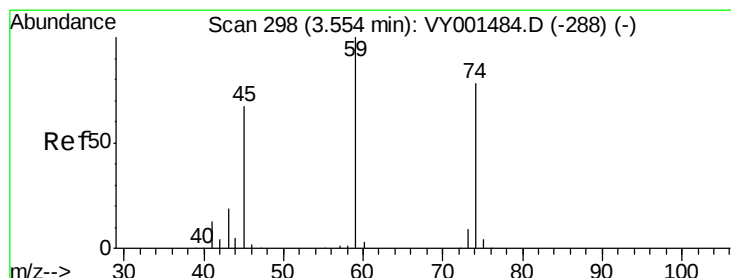
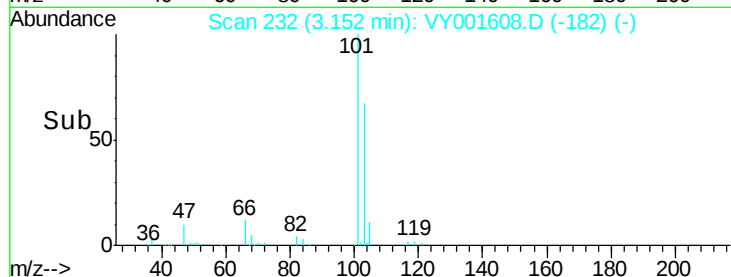
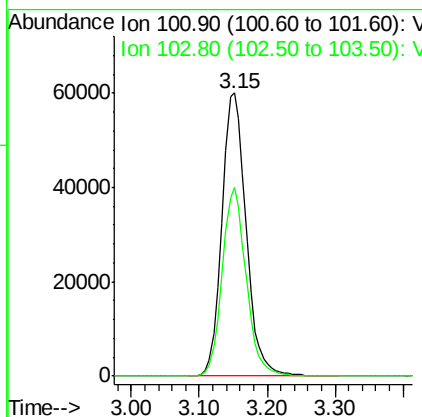
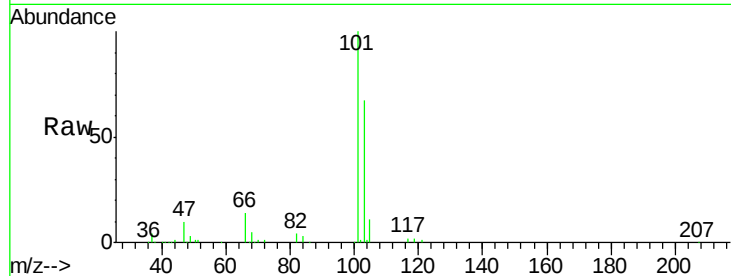
Trichlorofluoromethane
Concen: 43.322 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.9	76.3

Manual Integrations
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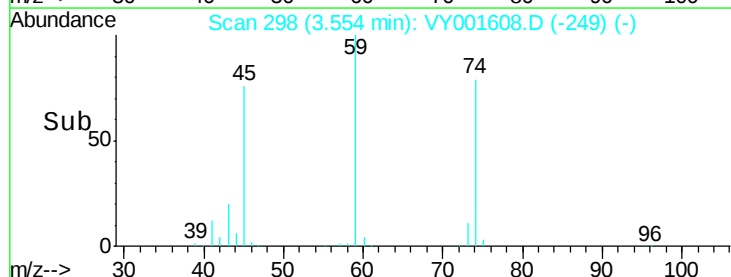
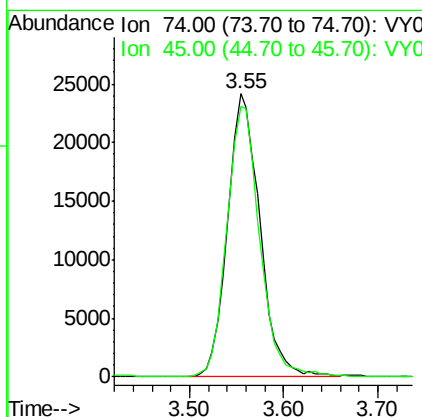
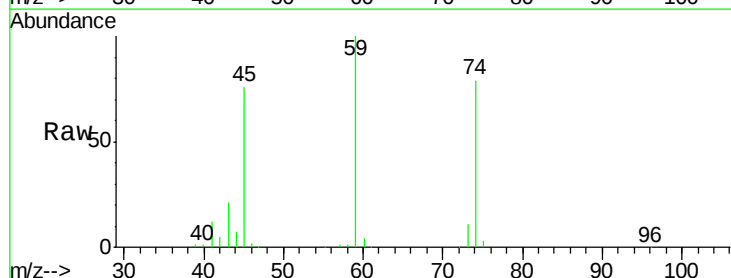
MMDadoda
2/13/2020 12:27:49 PM

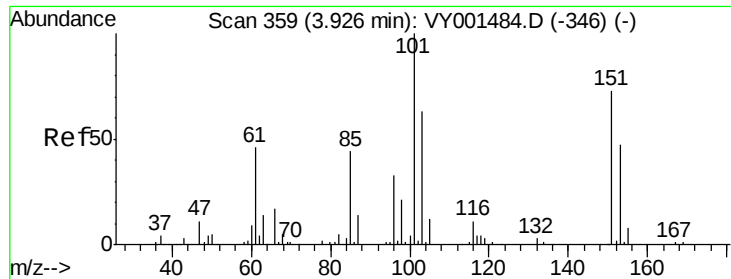


#8

Diethyl Ether
Concen: 49.969 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001608.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	44.5	133.5





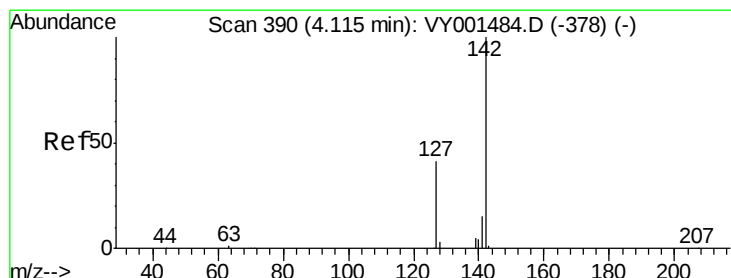
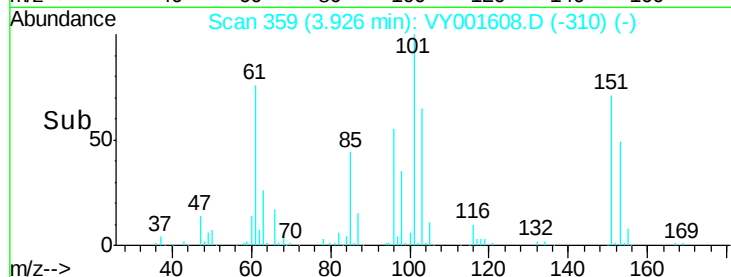
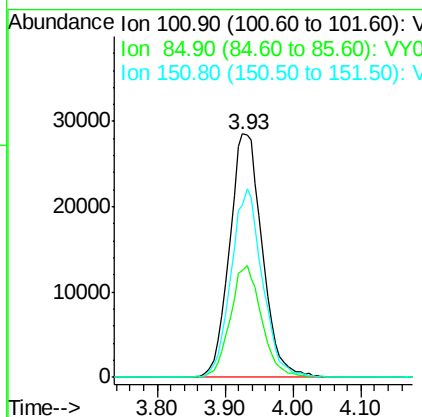
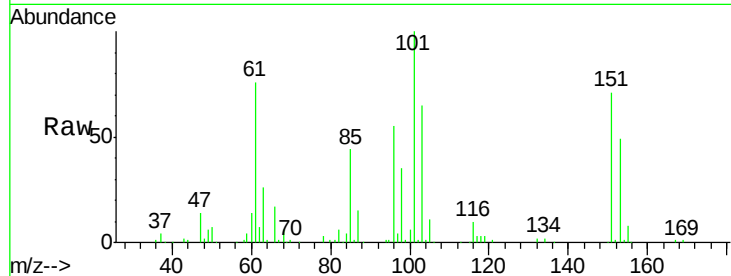
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.217 ug/l
 RT: 3.93 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	95274		
85	43.9	34.6	51.8	
151	74.3	60.3	90.5	

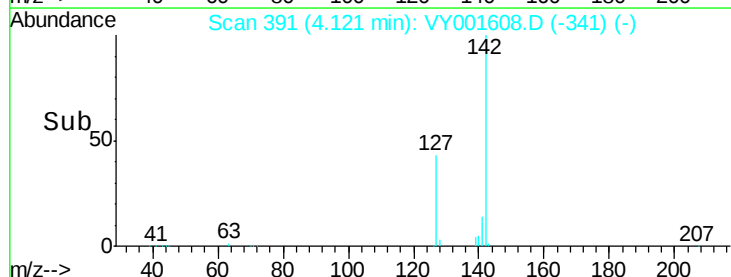
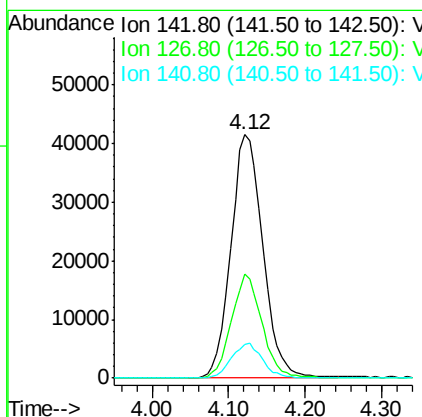
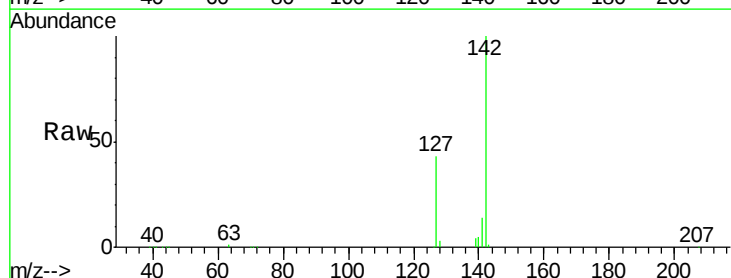
Manual Integrations
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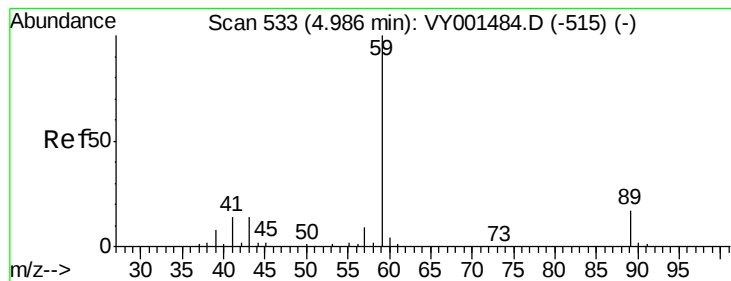
MMDadoda
 2/13/2020 12:27:49 PM



#10
 Methyl Iodide
 Concen: 45.872 ug/l
 RT: 4.12 min Scan# 391
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	120491		
127	40.7	33.3	49.9	
141	13.8	11.5	17.3	





#11

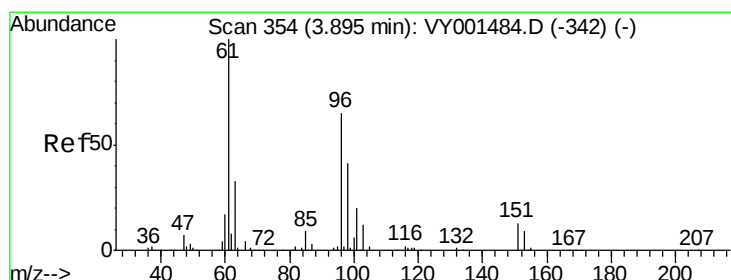
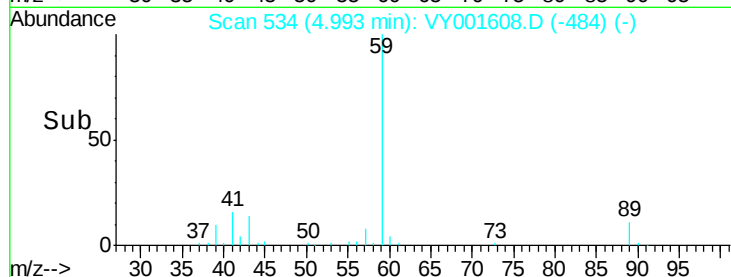
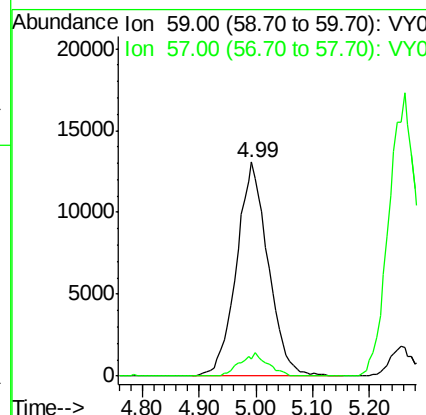
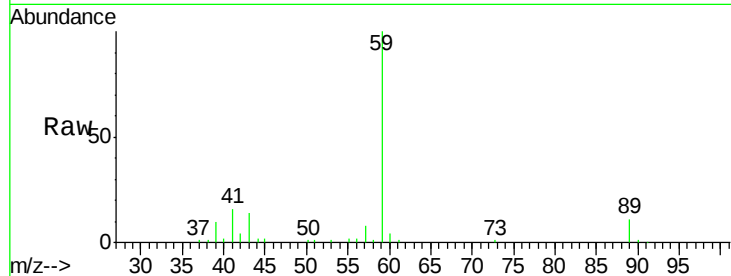
Tert butyl alcohol
Concen: 227.113 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.0	10.6

Manual Integrations
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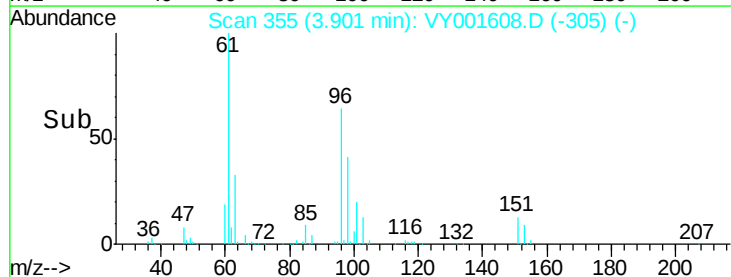
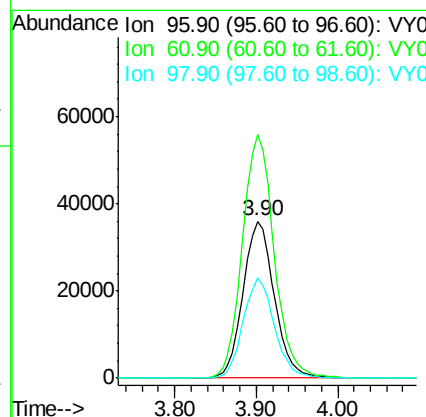
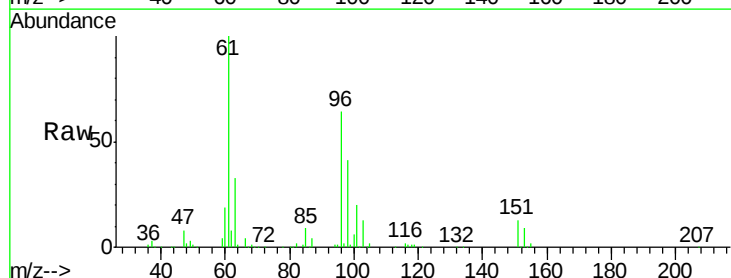
MMDadoda
2/13/2020 12:27:49 PM

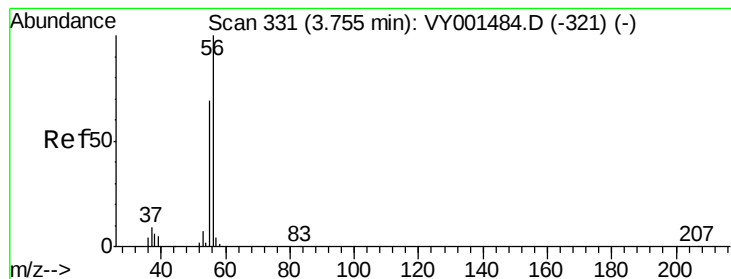


#12

1,1-Dichloroethene
Concen: 46.816 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	122.3	183.5
98	63.9	49.7	74.5





#13

Acrolein

Concen: 253.505 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47090

Ion Ratio Lower Upper

56 100

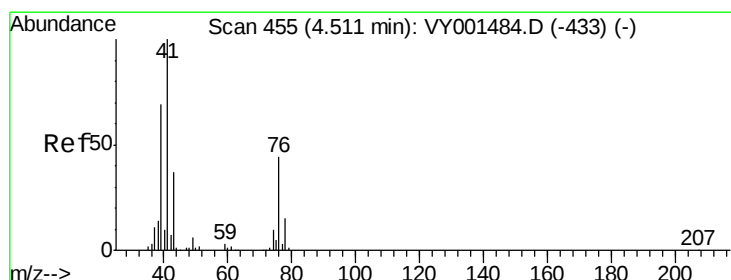
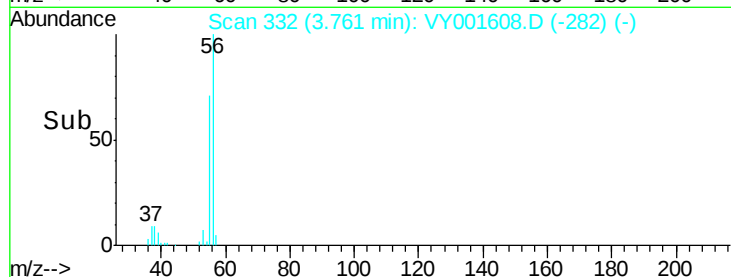
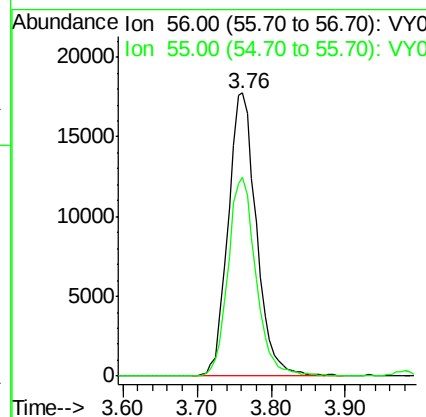
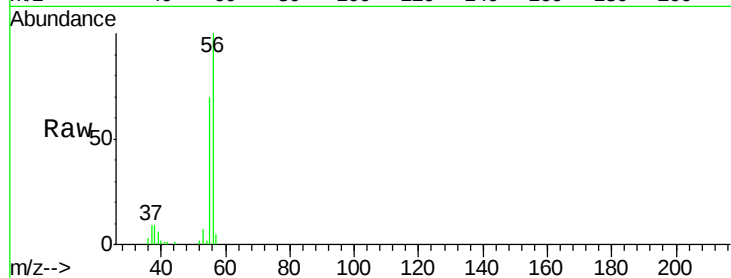
55 69.2 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 53.918 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

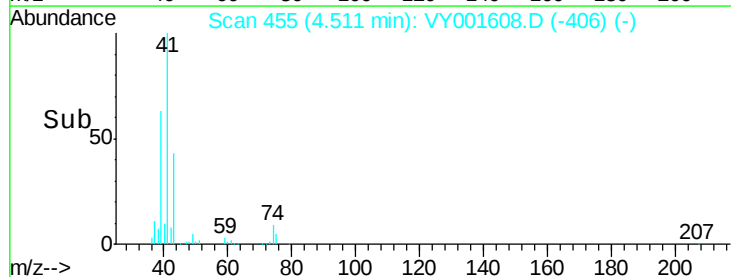
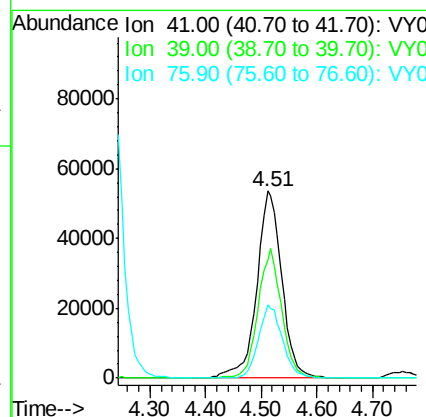
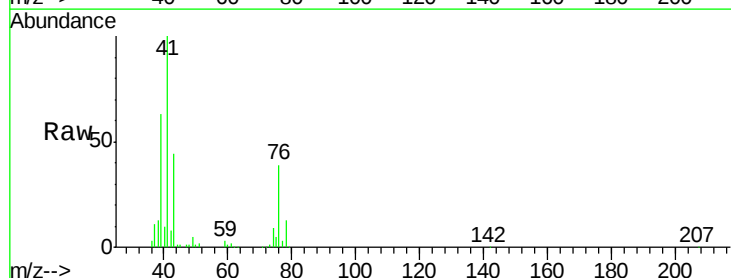
Tgt Ion: 41 Resp: 168963

Ion Ratio Lower Upper

41 100

39 65.1 53.0 79.6

76 37.1 32.6 48.8





#15

Acrylonitrile

Concen: 287.599 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

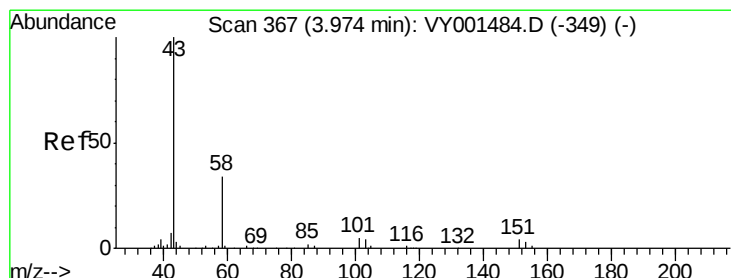
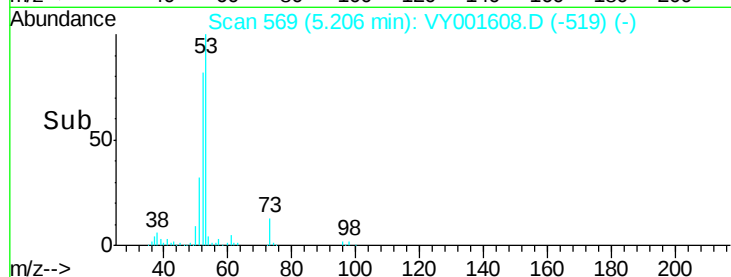
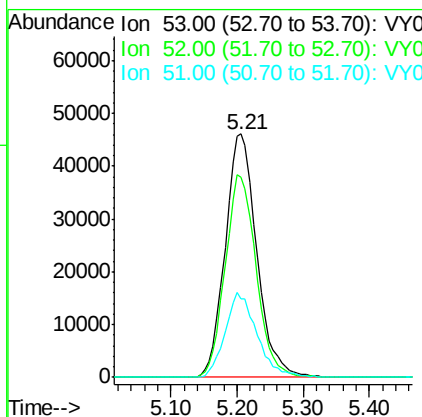
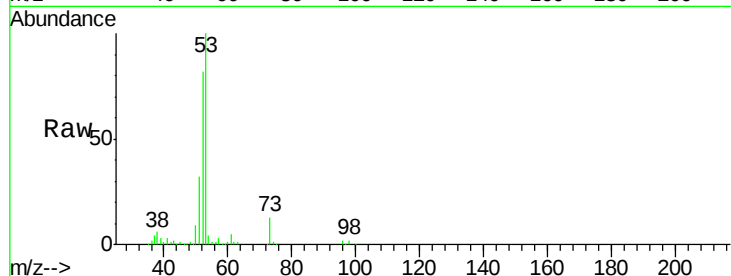
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	152433
Ion Ratio		Lower	Upper
53	100		
52	81.8	65.4	98.2
51	35.1	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 294.398 ug/l

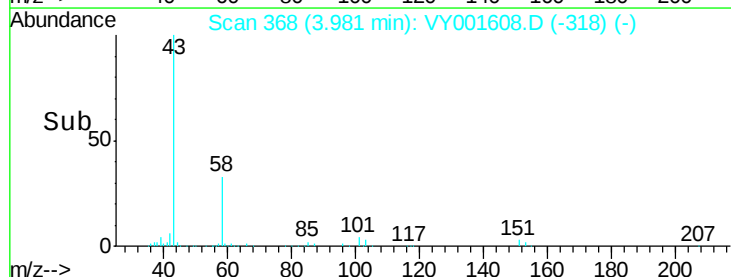
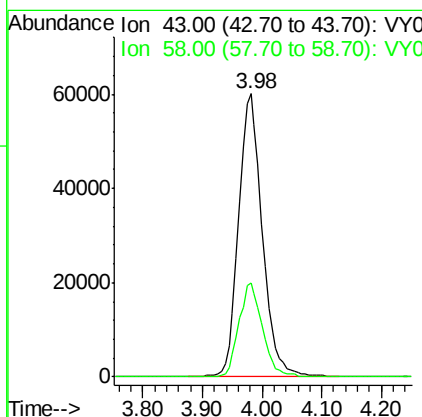
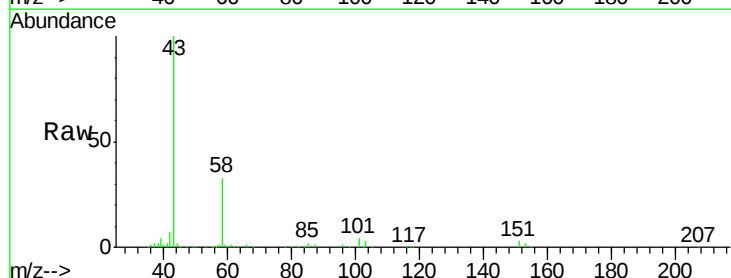
RT: 3.98 min Scan# 368

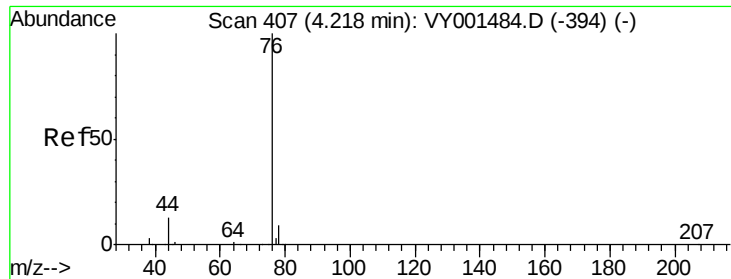
Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion:	43	Resp:	167059
Ion Ratio		Lower	Upper
43	100		
58	33.1	27.5	41.3





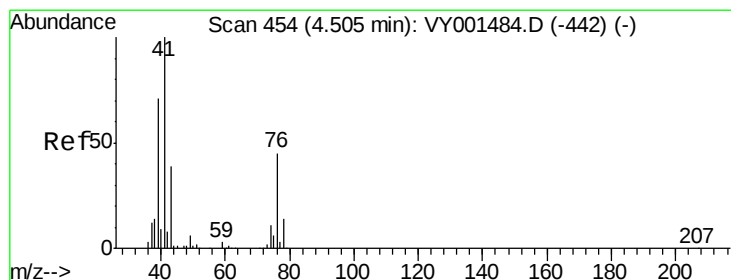
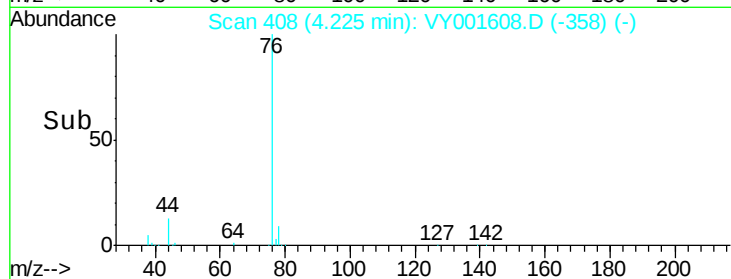
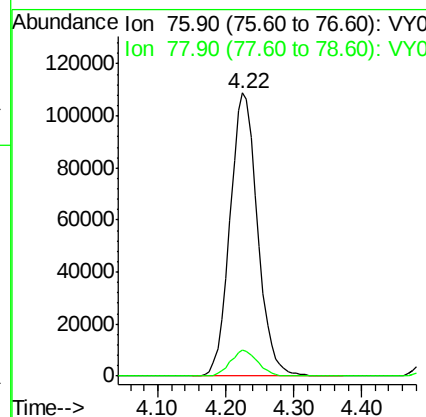
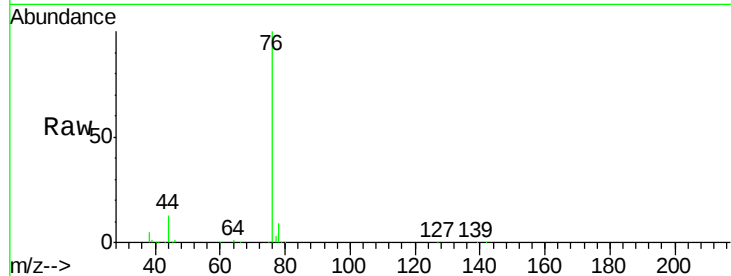
#17
Carbon Disulfide
Concen: 46.739 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

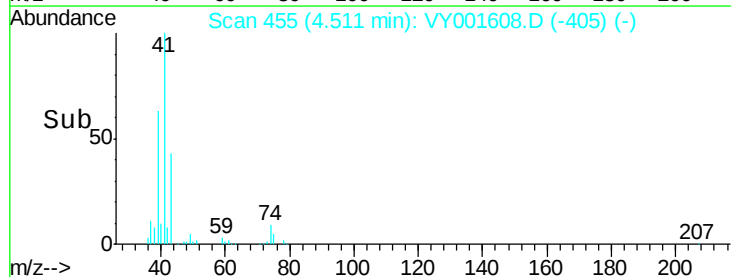
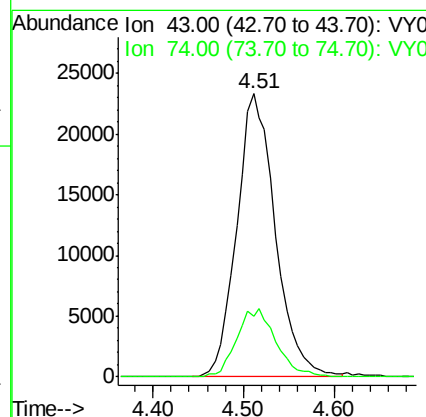
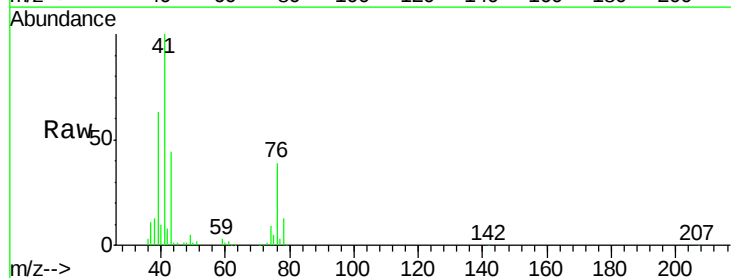
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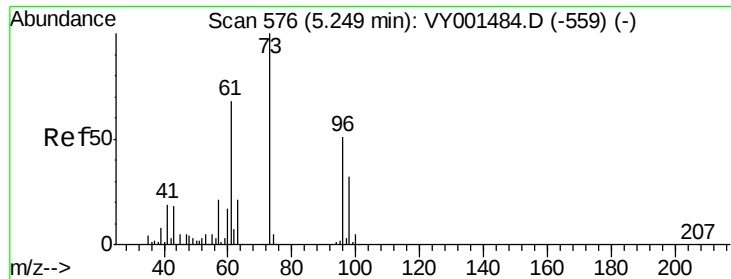
MMDadoda
2/13/2020 12:27:49 PM



#18
Methyl Acetate
Concen: 56.692 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	21.0	31.6





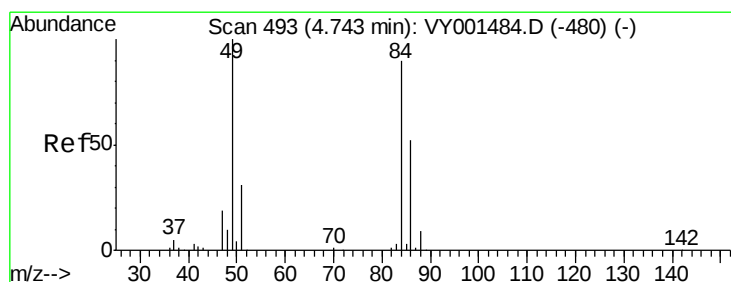
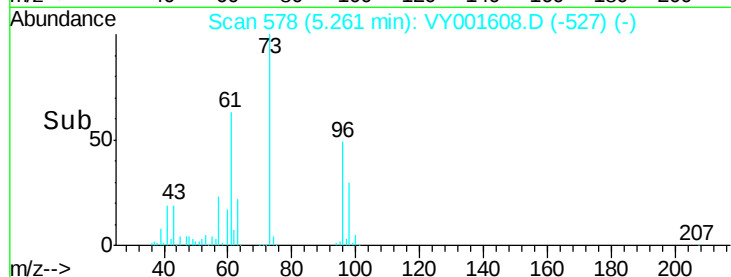
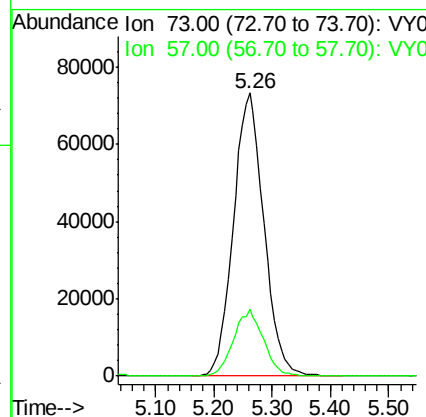
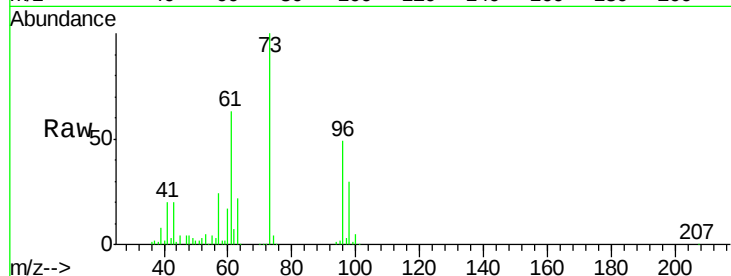
#19
Methvl tert-butvl Ether
Concen: 48.726 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 265446
Ion Ratio Lower Upper
73 100
57 23.6 17.0 25.6

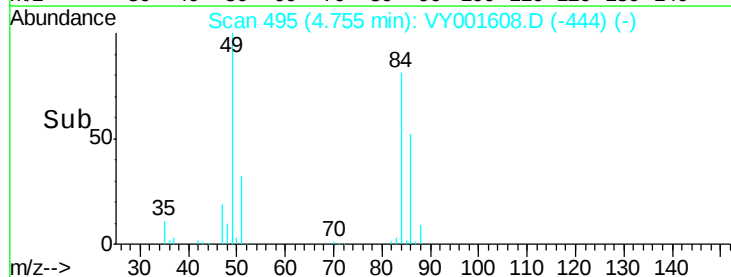
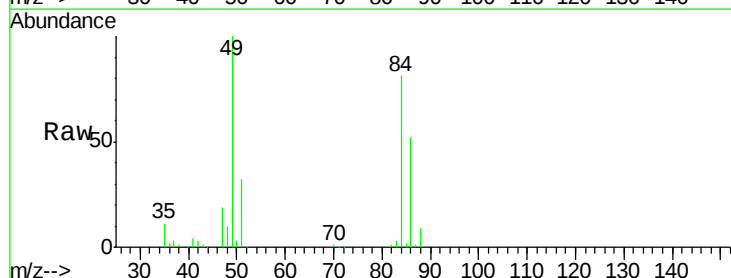
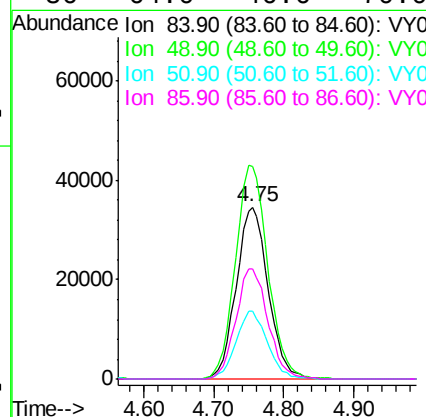
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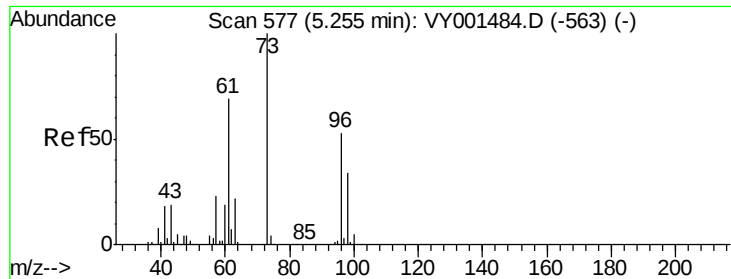
MMDadoda
2/13/2020 12:27:49 PM



#20
Methylene Chloride
Concen: 49.240 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion: 84 Resp: 109567
Ion Ratio Lower Upper
84 100
49 123.9 89.0 133.6
51 39.4 27.4 41.2
86 64.0 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 48.298 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

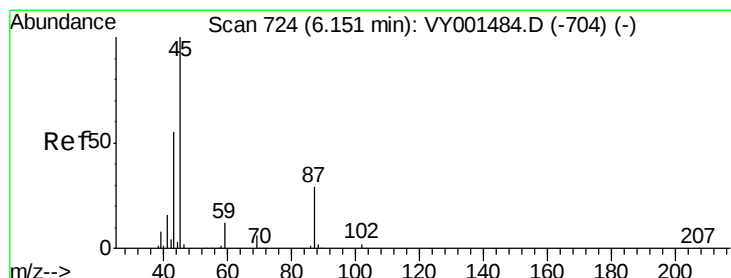
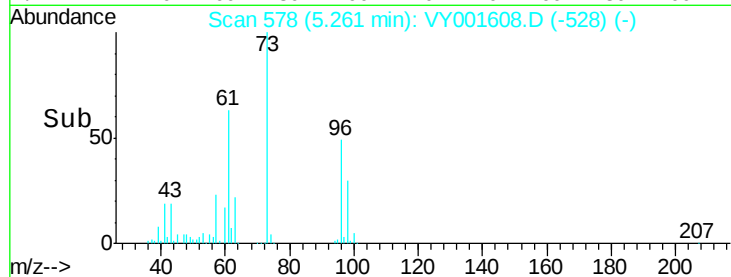
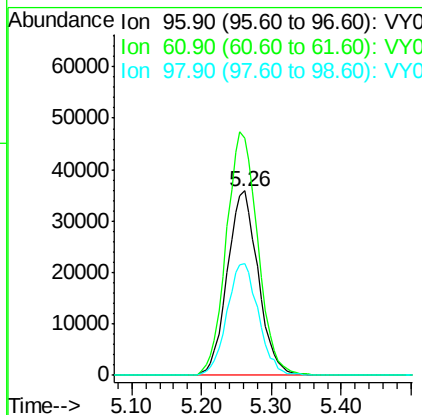
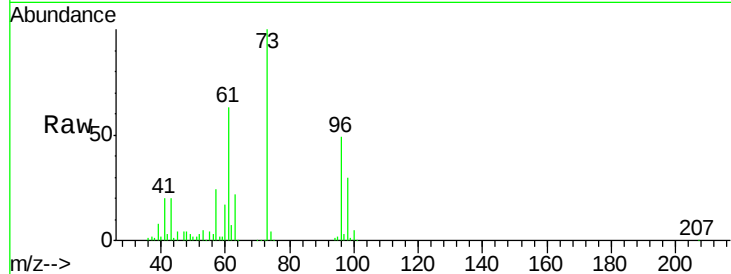
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	109988
Ion	Ratio	Lower	Upper
96	100		
61	128.3	104.2	156.4
98	60.9	51.4	77.0

Manual Integrations
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2/13/2020 12:27:49 PM



#22

Diisopropyl ether

Concen: 57.203 ug/l

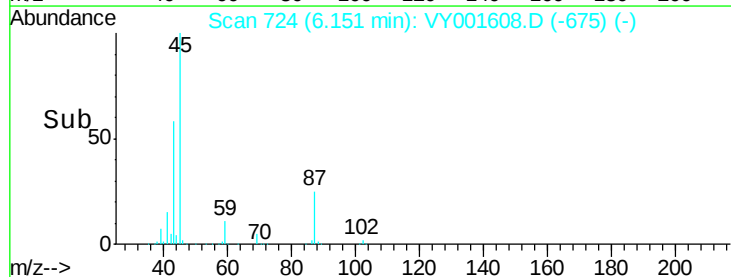
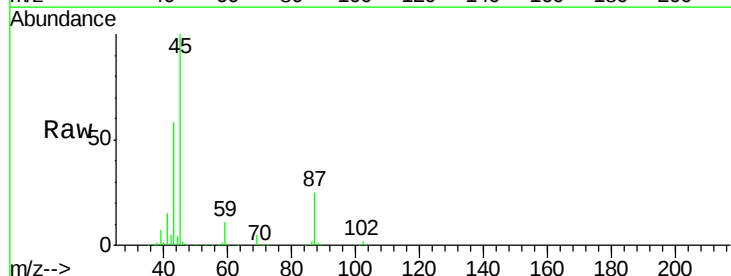
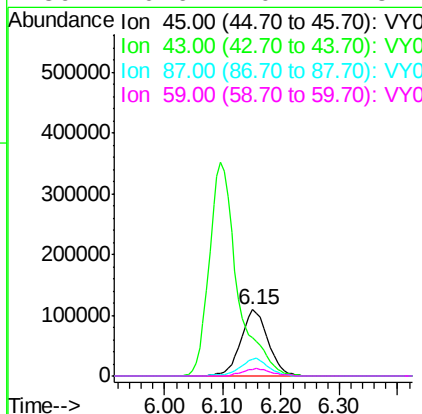
RT: 6.15 min Scan# 724

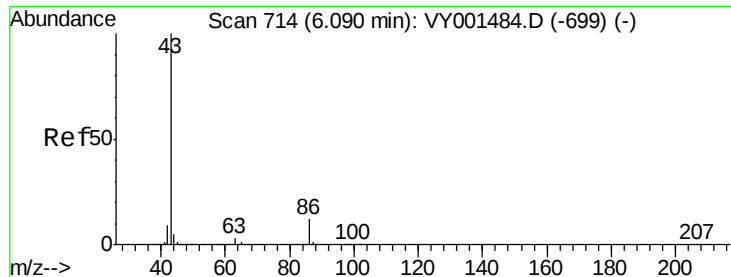
Delta R.T. 0.00 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion:	45	Resp:	355144
Ion	Ratio	Lower	Upper
45	100		
43	57.9	44.2	66.4
87	24.7	23.9	35.9
59	10.6	10.2	15.2





#23

Vinyl Acetate

Concen: 297.069 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1174109

Ion Ratio Lower Upper

43 100

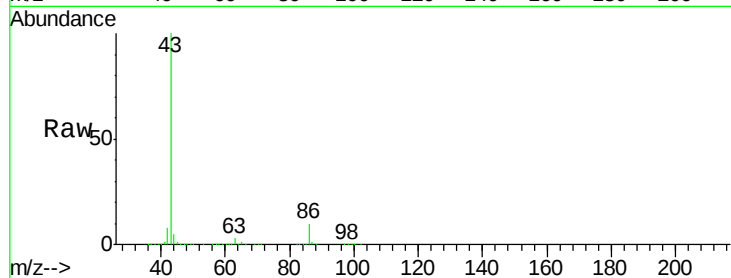
86 10.5 9.8 14.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

400000

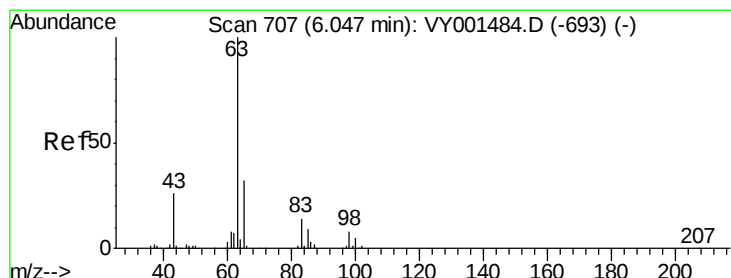
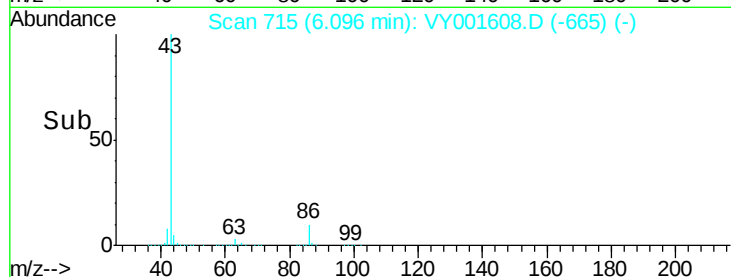
300000

200000

100000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 50.681 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

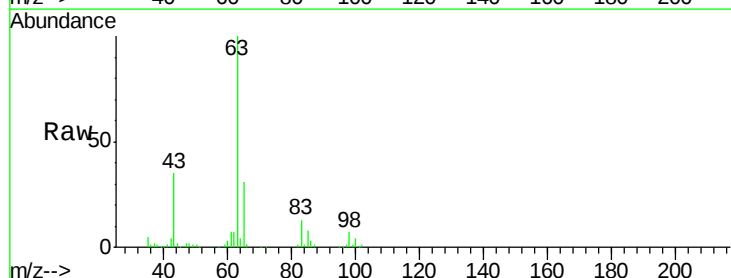
Tgt Ion: 63 Resp: 189264

Ion Ratio Lower Upper

63 100

98 6.6 4.0 11.9

100 4.1 2.6 8.0



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

6.05

80000

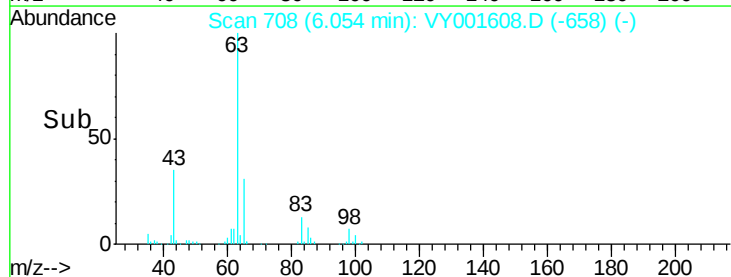
60000

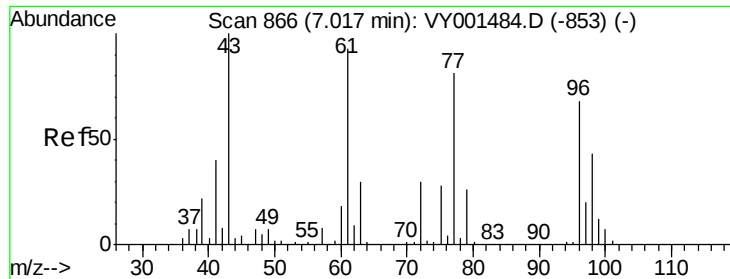
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 308.481 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 227101

Ion Ratio Lower Upper

43 100

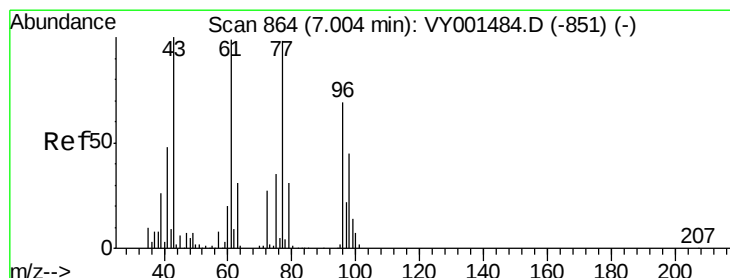
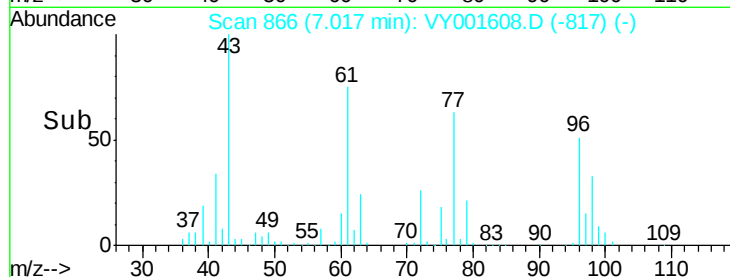
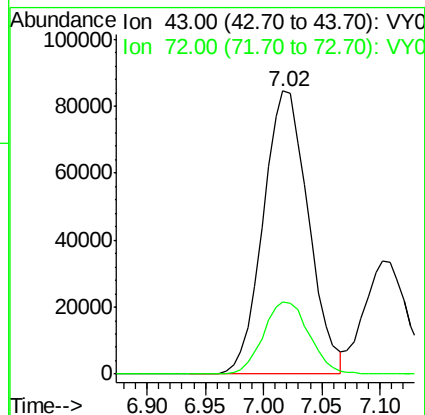
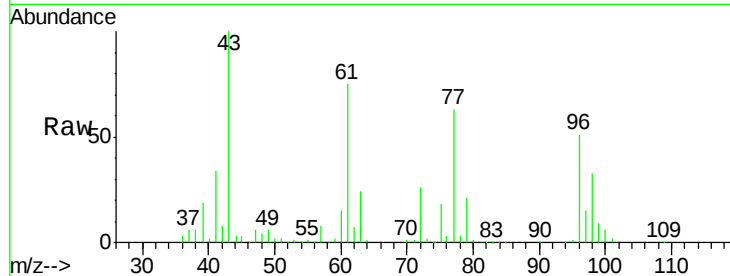
72 25.5 23.8 35.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 46.209 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001608.D

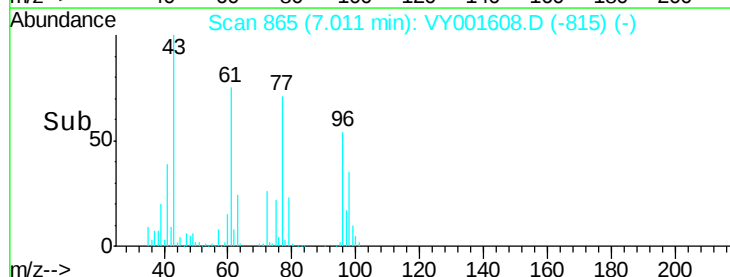
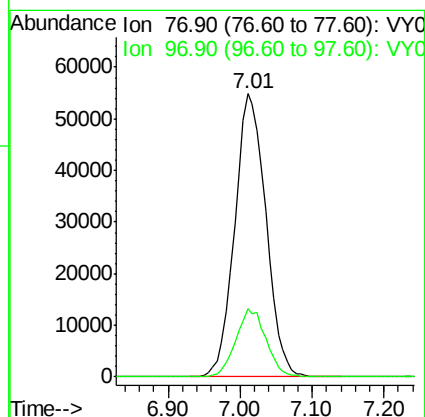
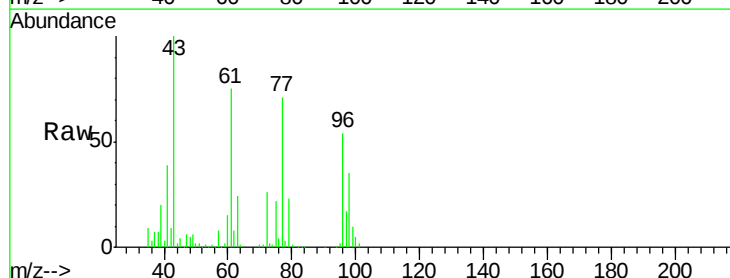
Acq: 12 Feb 2020 11:15

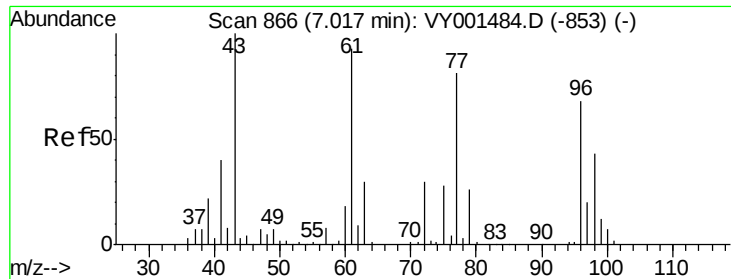
Tgt Ion: 77 Resp: 165155

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0





#27

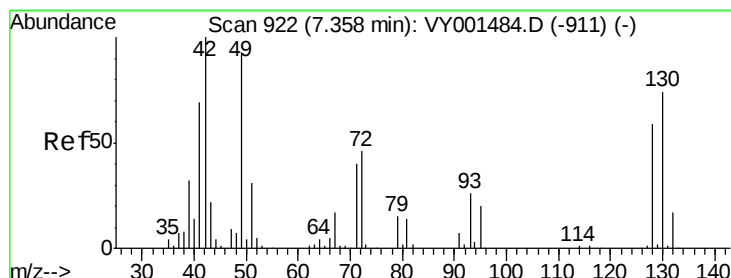
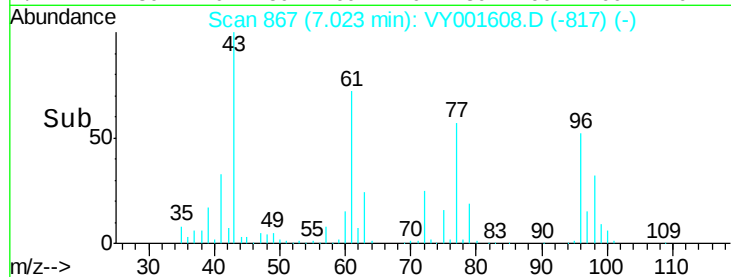
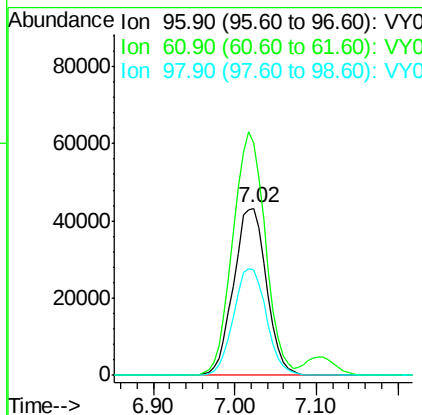
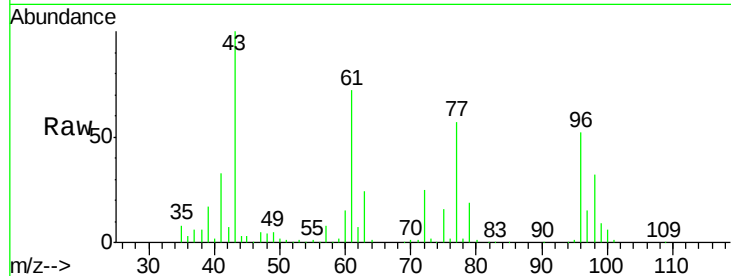
cis-1,2-Dichloroethene
Concen: 48.636 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	0.0	278.8	
98	63.7	0.0	128.8	

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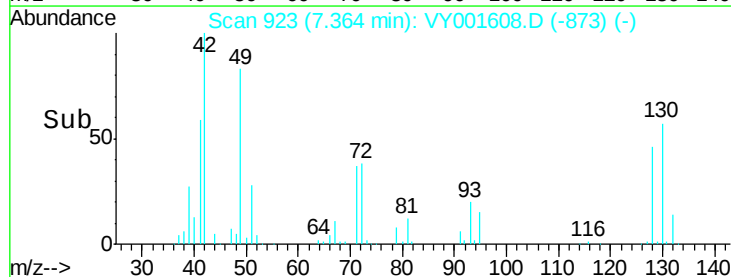
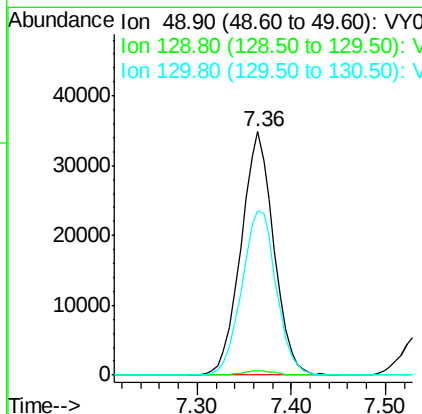
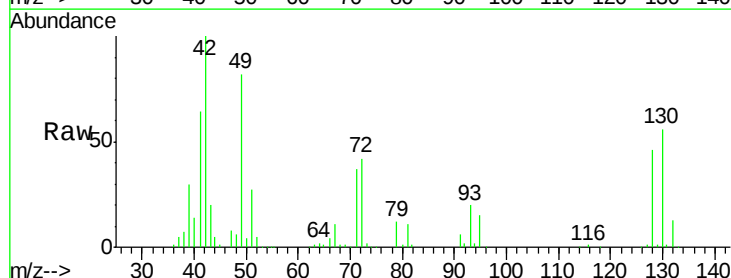
MMDadoda
2/13/2020 12:27:49 PM

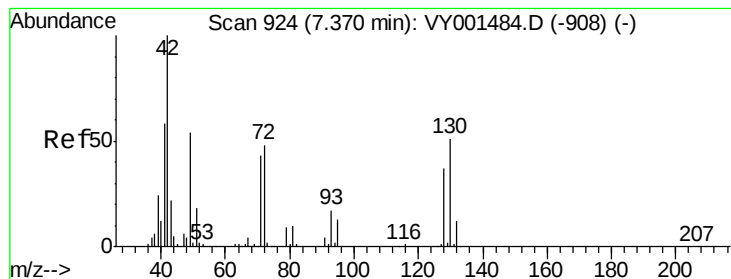


#28

Bromochloromethane
Concen: 66.585 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.8	
130	71.0	65.4	98.2	





#29

Tetrahydrofuran

Concen: 307.621 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

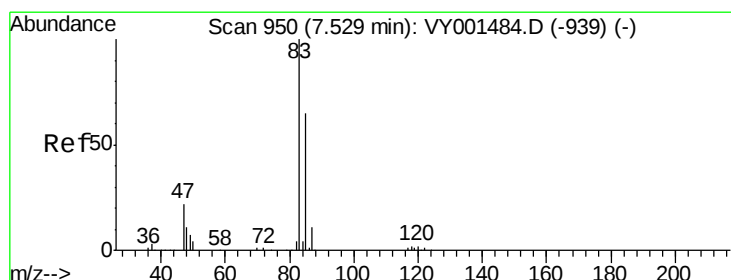
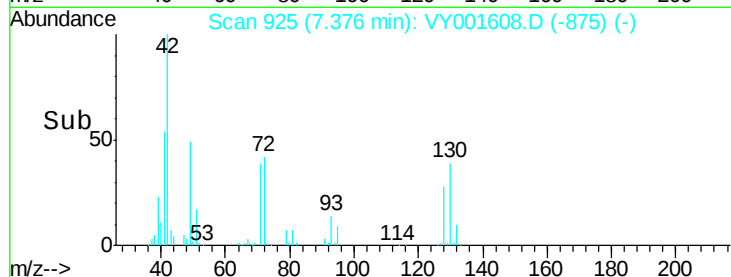
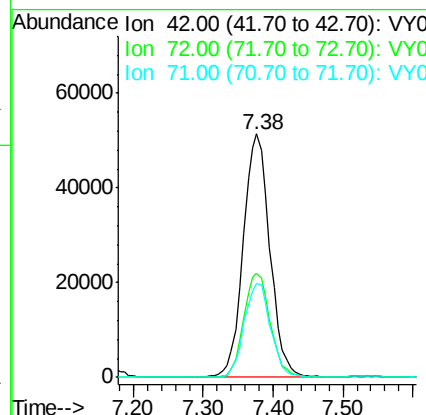
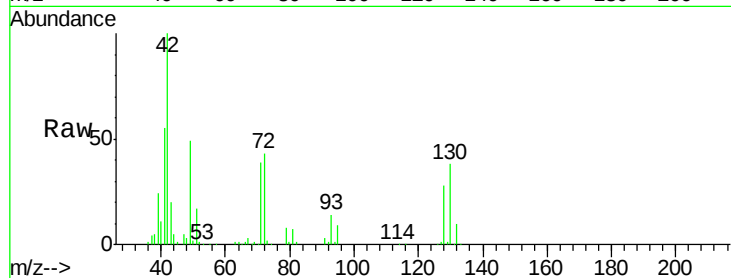
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	135738
Ion	Ratio	Lower	Upper
42	100		
72	42.5	37.8	56.6
71	38.4	34.8	52.2

Manual Integrations
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#30

Chloroform

Concen: 48.068 ug/l

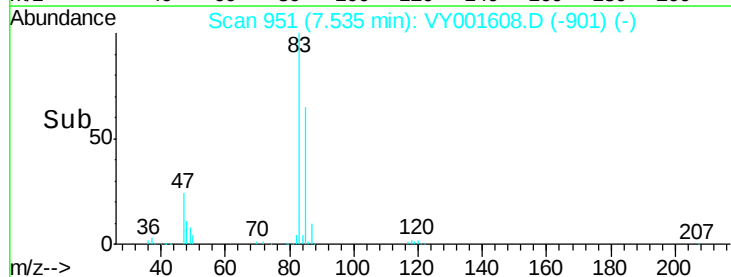
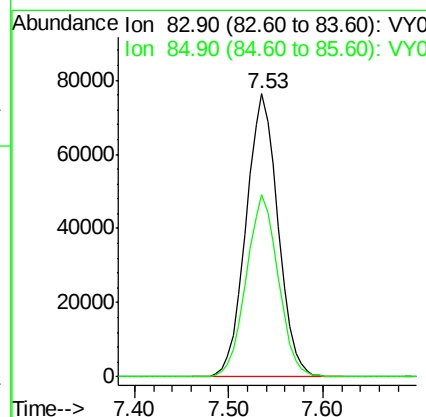
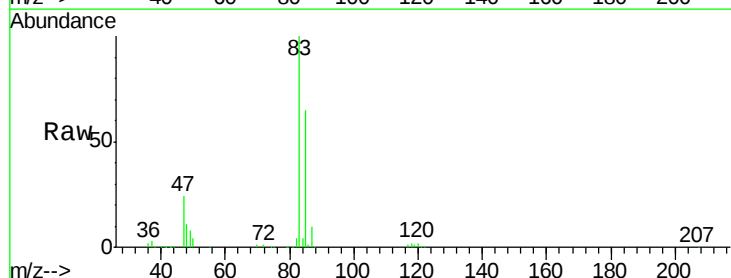
RT: 7.53 min Scan# 951

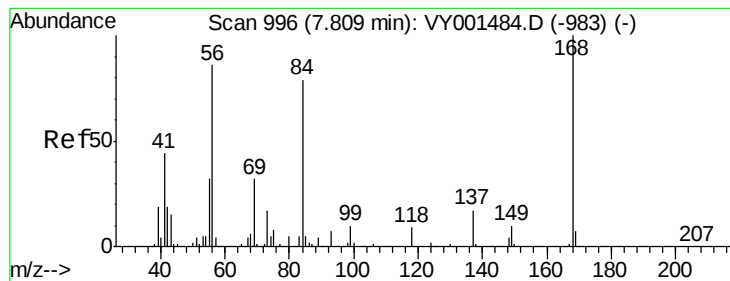
Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion:	83	Resp:	181825
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6





#31

Cyclohexane

Concen: 50.506 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

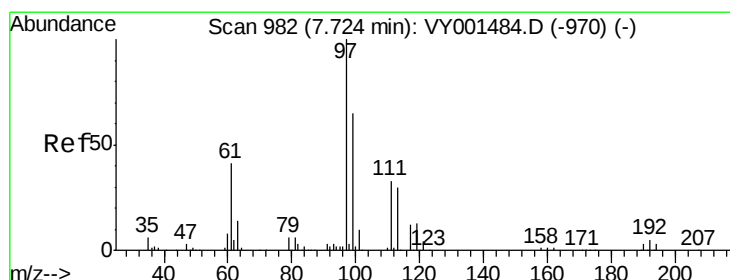
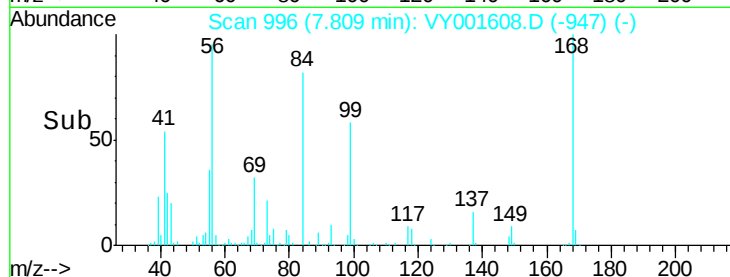
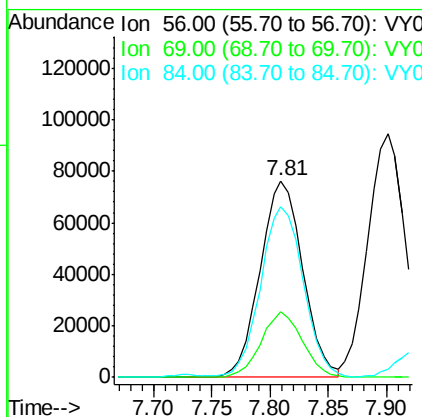
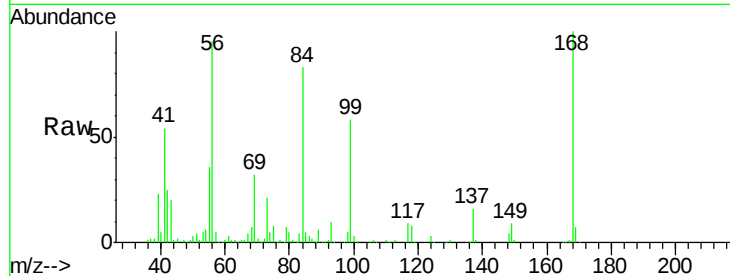
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	192934
Ion Ratio	Lower	Upper	
56	100		
69	33.3	29.6	44.4
84	85.8	73.6	110.4

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#32

1,1,1-Trichloroethane

Concen: 46.174 ug/l

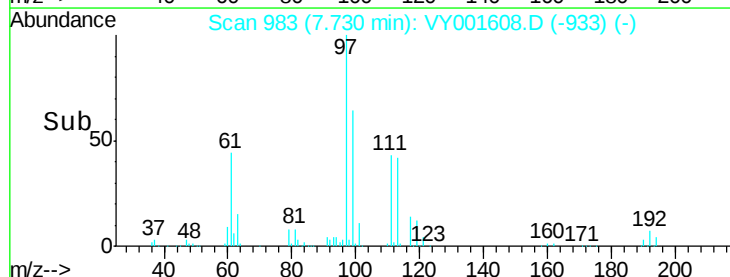
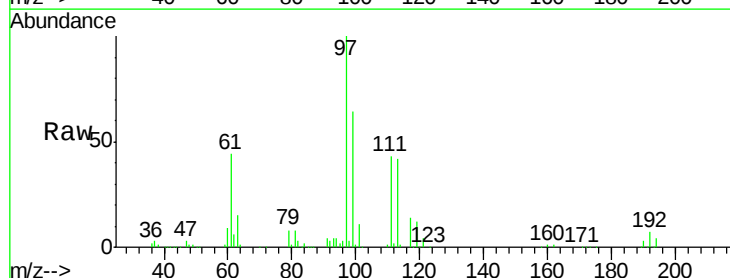
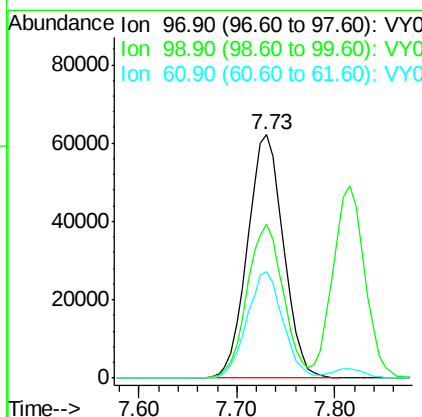
RT: 7.73 min Scan# 983

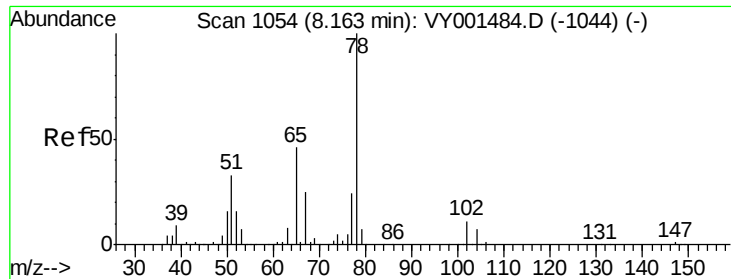
Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion:	97	Resp:	158359
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.8	77.8
61	43.6	32.5	48.7





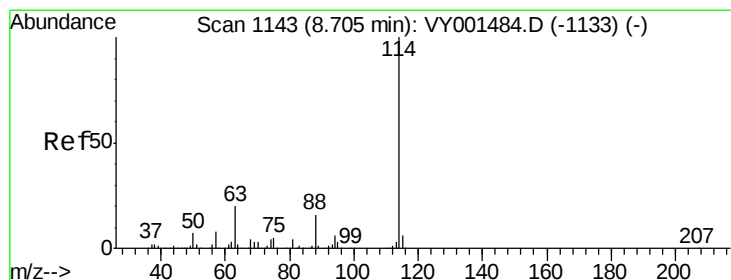
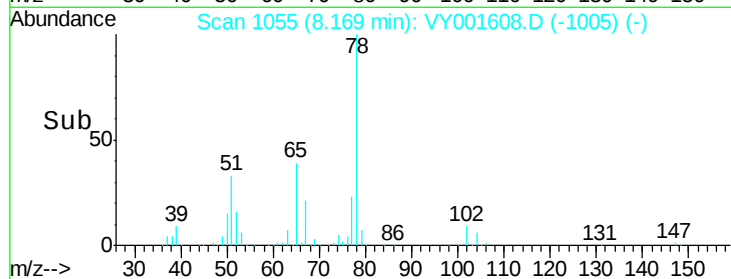
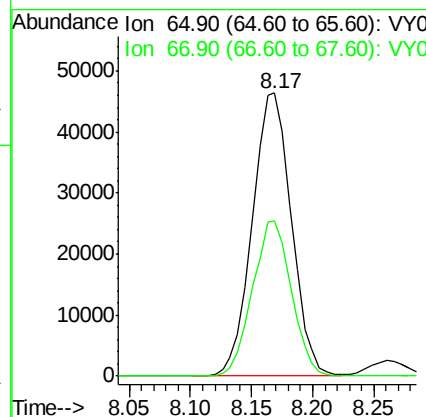
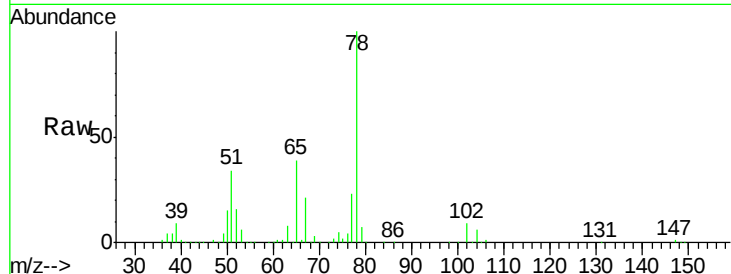
#33
 1,2-Dichloroethane-d4
 Concen: 52.645 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	108.6

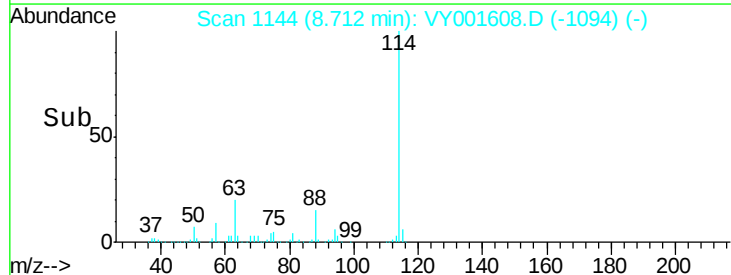
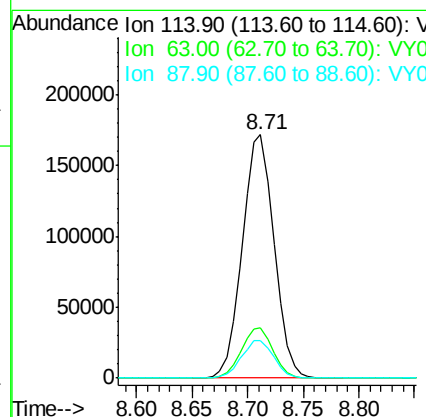
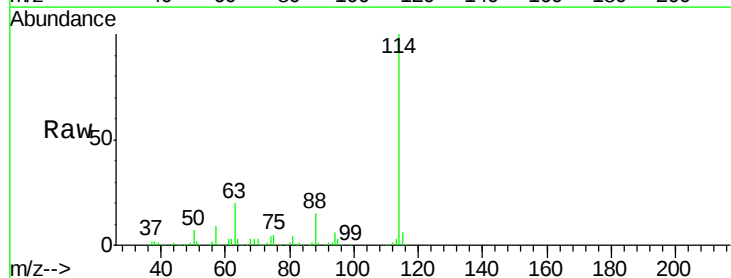
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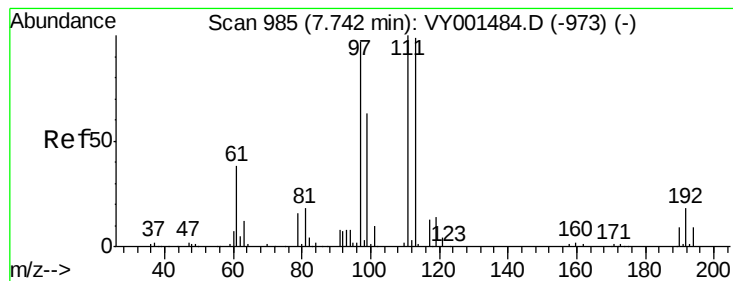
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.8
88	15.4	0.0	32.6





#35

Dibromofluoromethane

Concen: 50.094 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

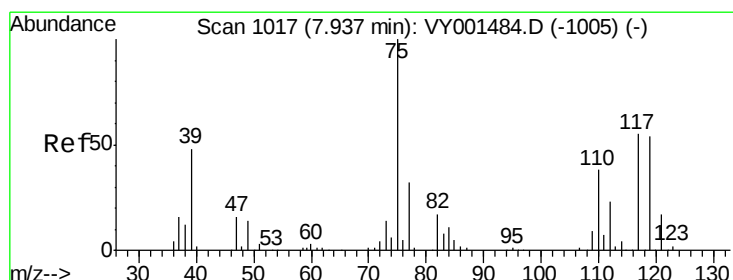
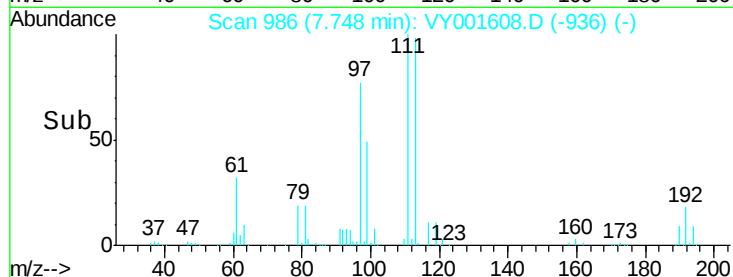
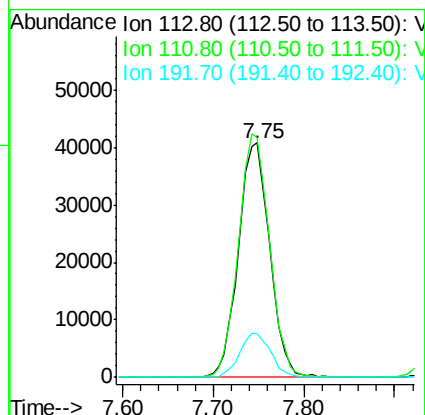
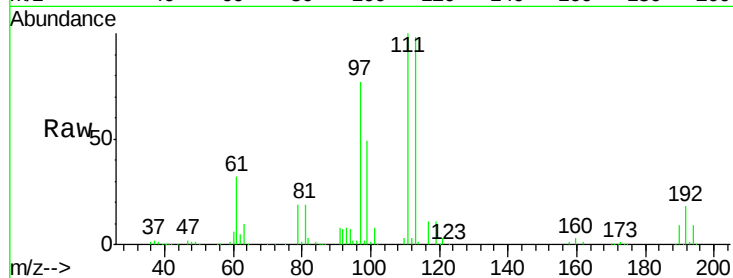
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	97957
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.7	14.6	22.0

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#36

1,1-Dichloropropene

Concen: 49.309 ug/l

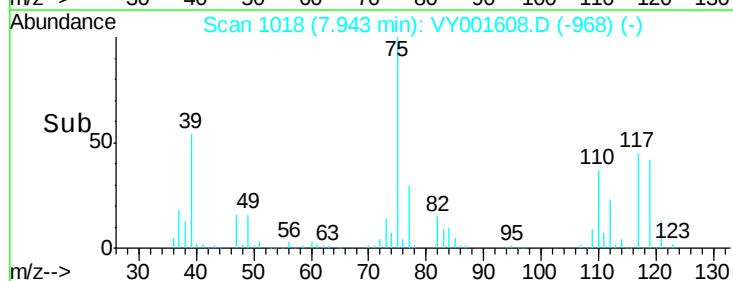
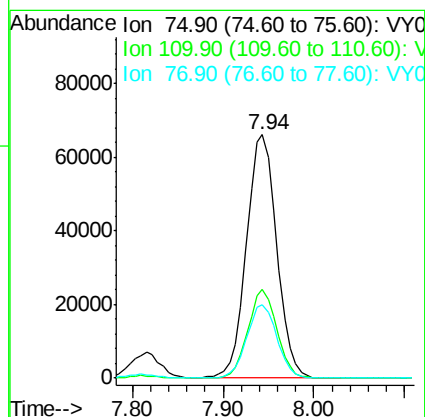
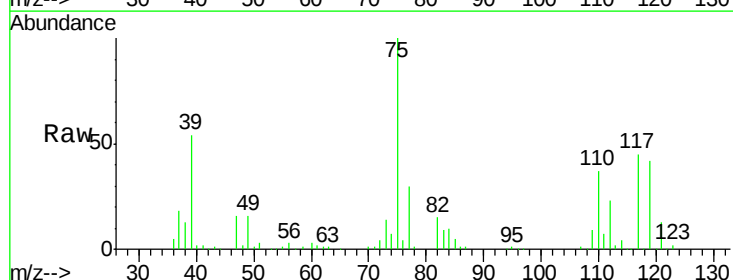
RT: 7.94 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion:	75	Resp:	152968
Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.2	54.6
77	30.4	25.0	37.4





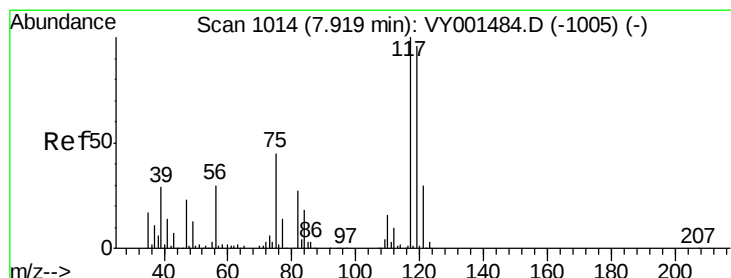
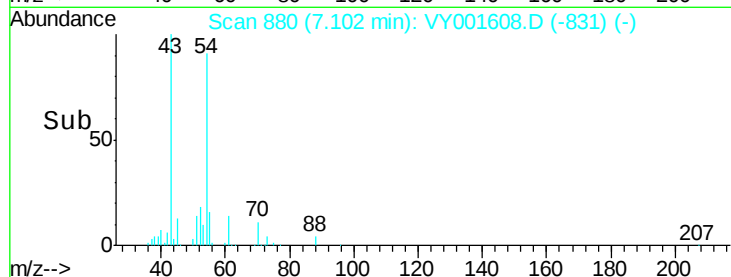
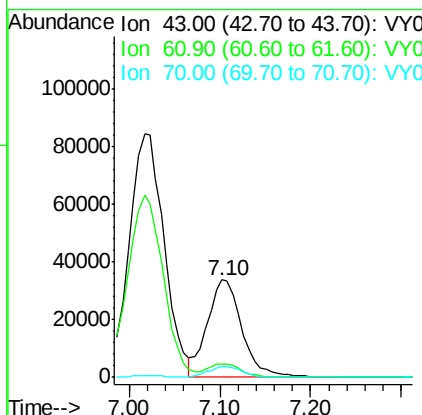
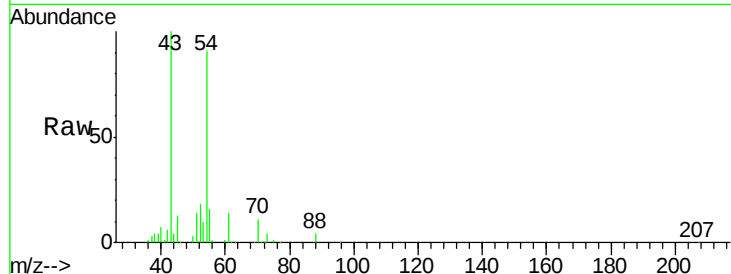
#37
Ethyl Acetate
Concen: 59.862 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.0	18.0
70	10.9	10.2	15.4

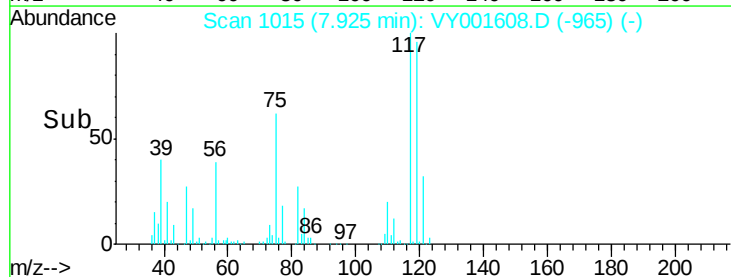
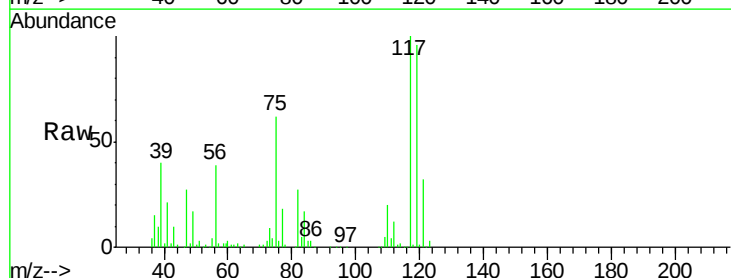
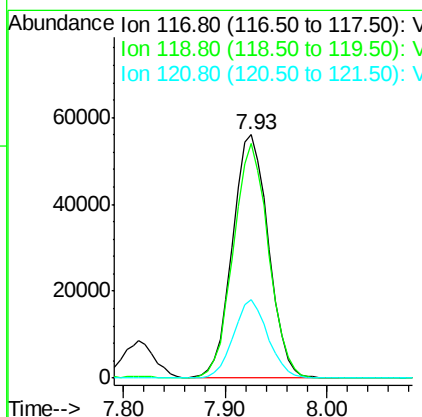
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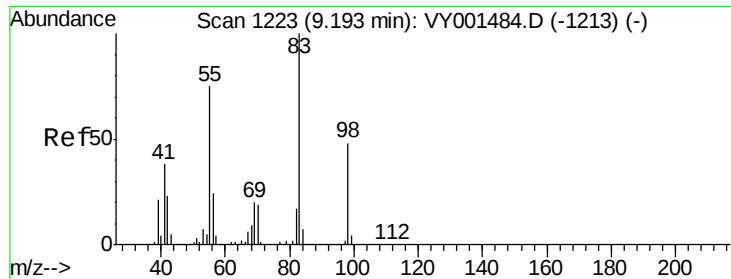
MMDadoda
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#38
Carbon Tetrachloride
Concen: 45.673 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.4	114.6
121	32.2	24.2	36.4





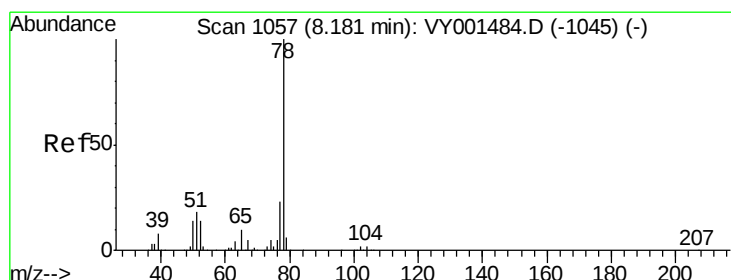
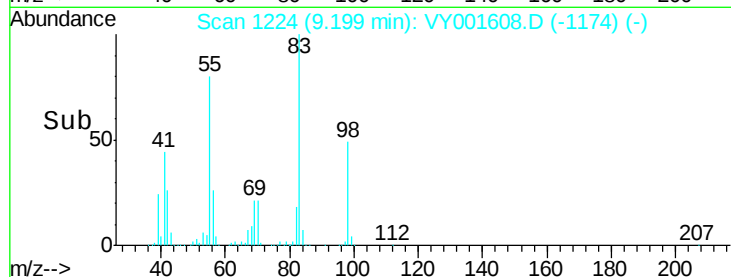
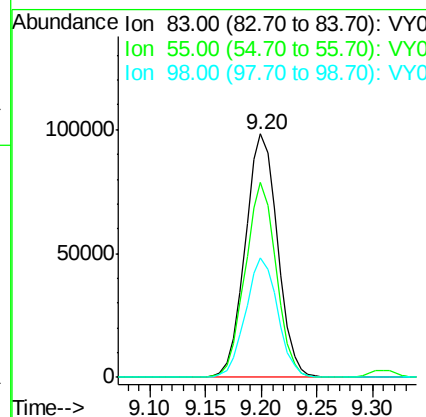
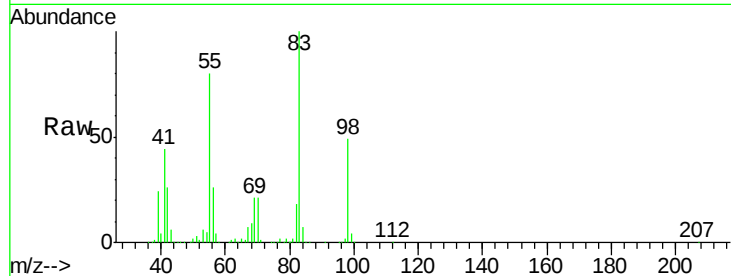
#39
Methvlcvclohexane
Concen: 48.465 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	59.8	89.6
98	48.8	38.6	57.8

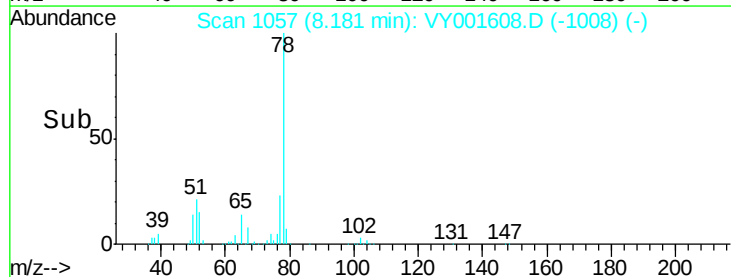
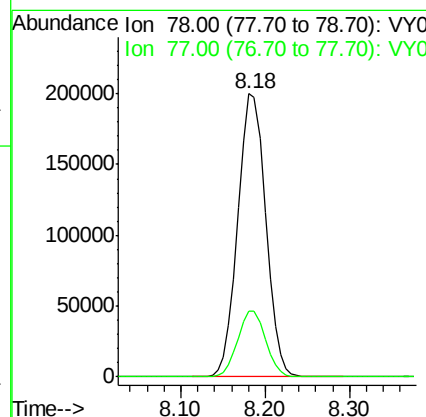
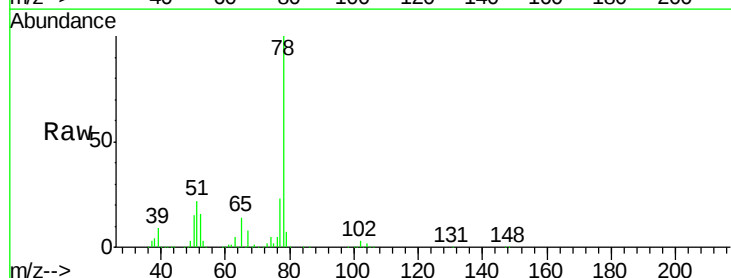
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#40
Benzene
Concen: 50.654 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7





#41

Methacrylonitrile

Concen: 47.446 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 33023

Ion Ratio Lower Upper

41 100

39 169.8 116.8 175.2

67 0.0 0.0 0.0

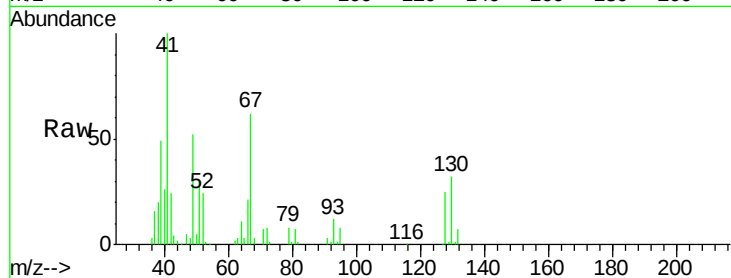
52 0.0 0.0 0.0

Manual Integrations

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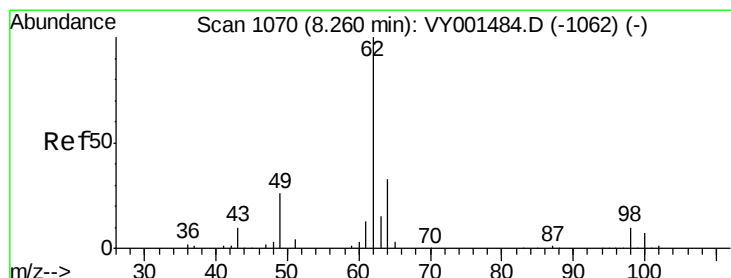
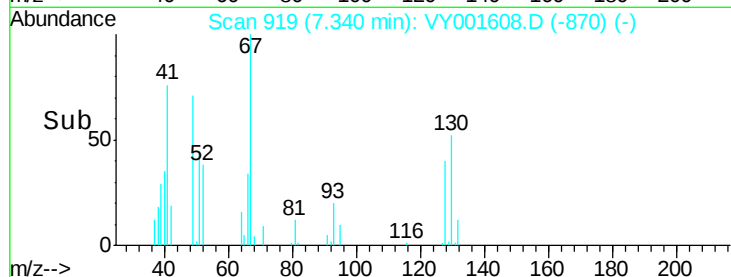
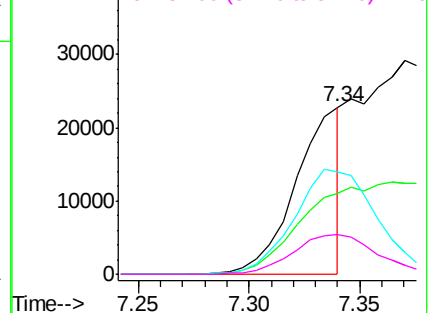


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 48.815 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001608.D

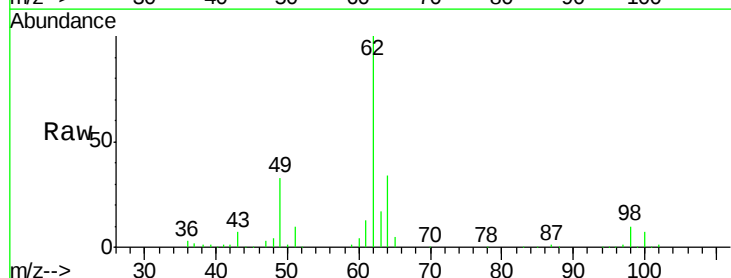
Acq: 12 Feb 2020 11:15

Tgt Ion: 62 Resp: 120337

Ion Ratio Lower Upper

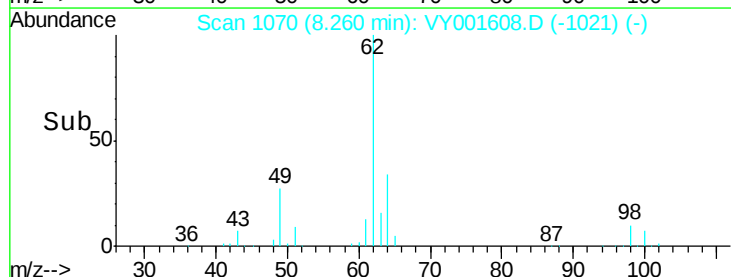
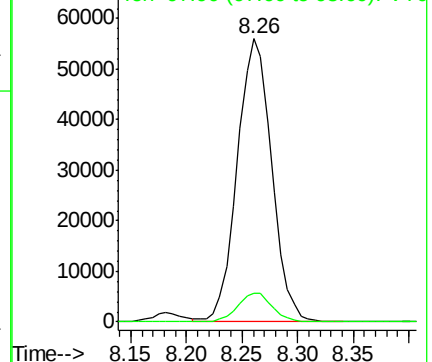
62 100

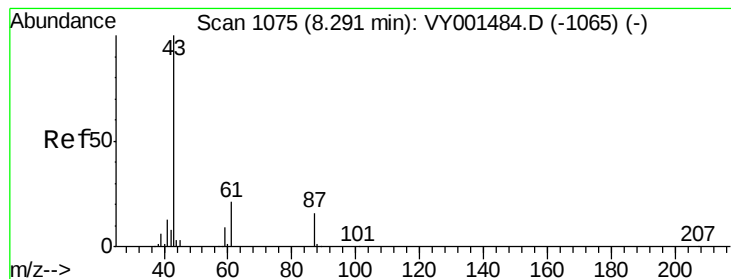
98 10.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 59.128 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

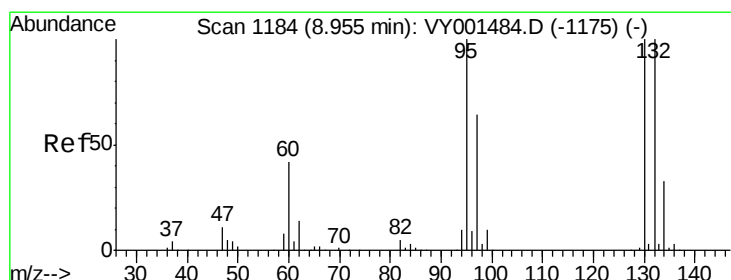
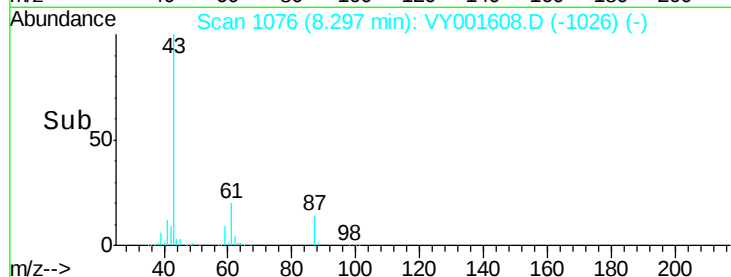
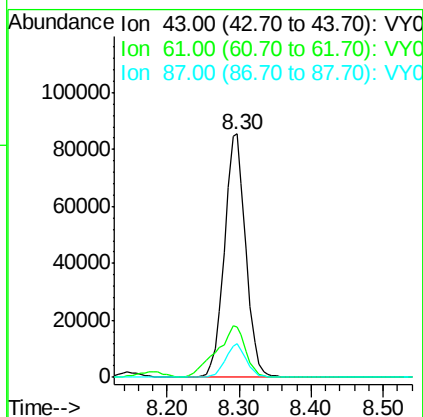
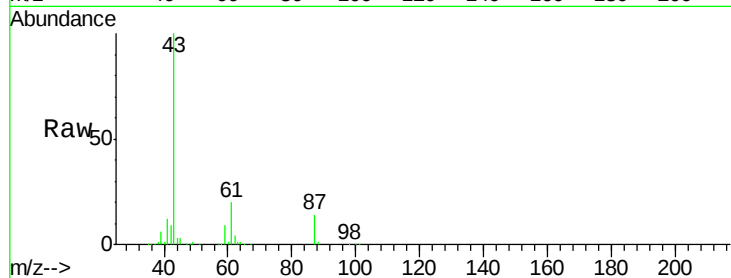
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	175813
Ion	Ratio	Lower	Upper
43	100		
61	28.5	25.1	37.7
87	13.3	12.6	19.0

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#44

Trichloroethene

Concen: 47.150 ug/l

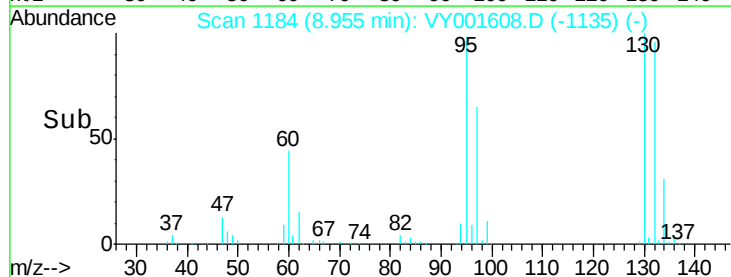
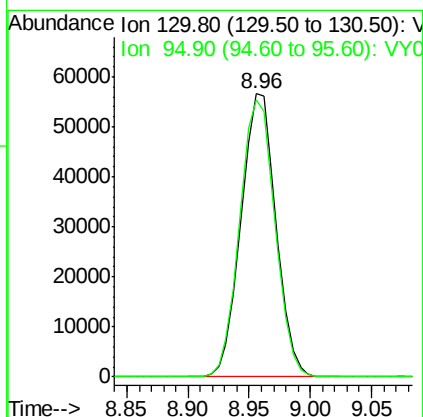
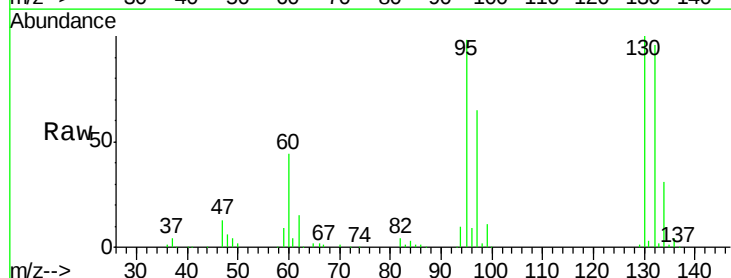
RT: 8.96 min Scan# 1184

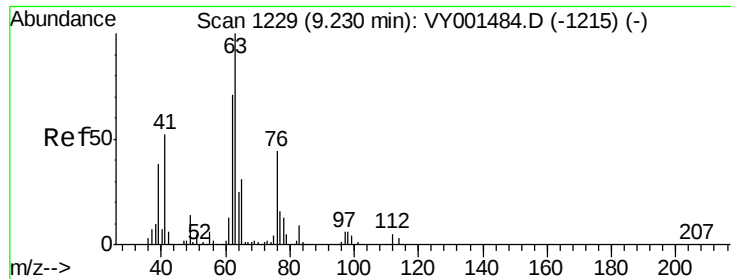
Delta R.T. 0.00 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion:	130	Resp:	112458
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	199.2





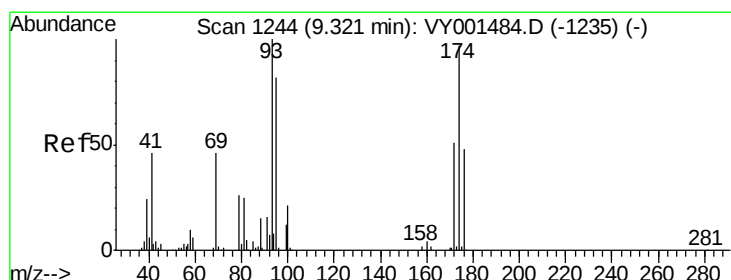
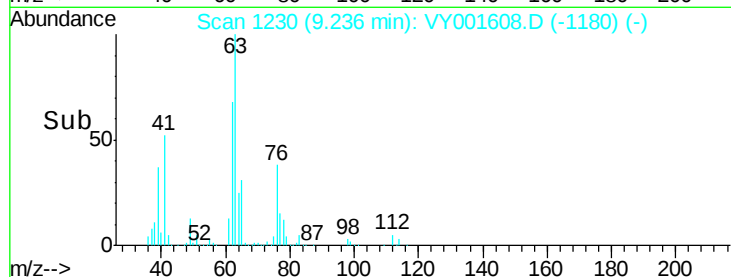
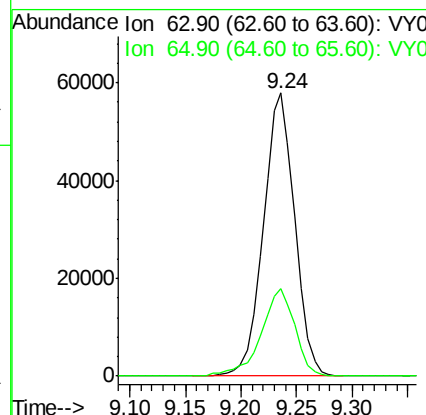
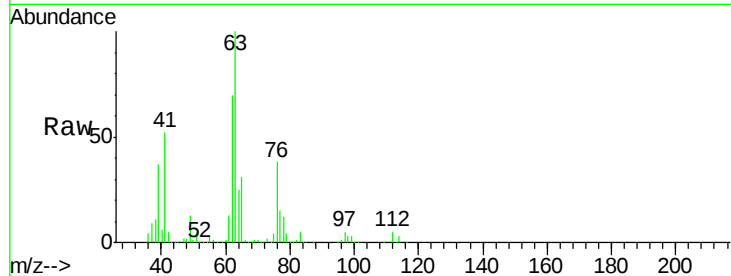
#45
 1,2-Dichloropropane
 Concen: 52.990 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 113224
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

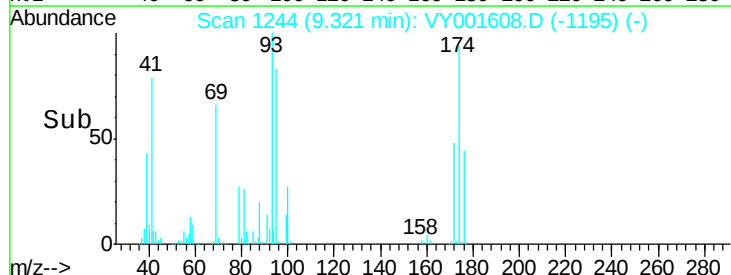
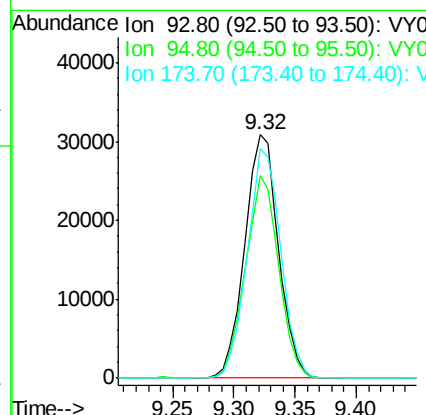
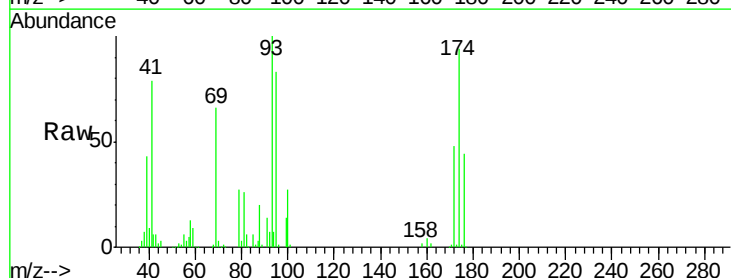
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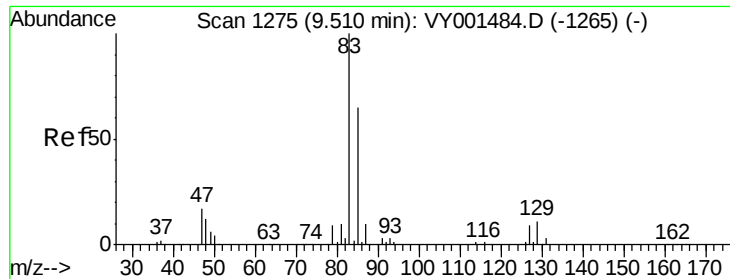
MMDadoda
 2/13/2020 12:27:49 PM



#46
 Dibromomethane
 Concen: 49.247 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Tgt Ion: 93 Resp: 59087
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.6 99.8
 174 94.1 75.4 113.2





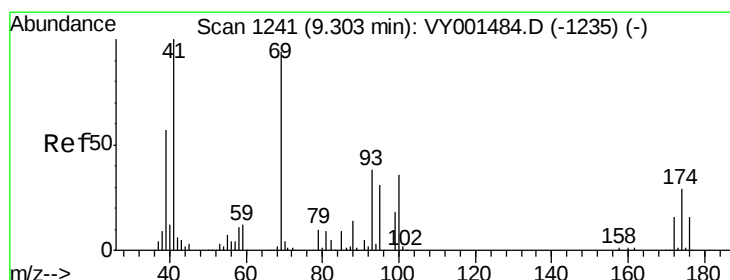
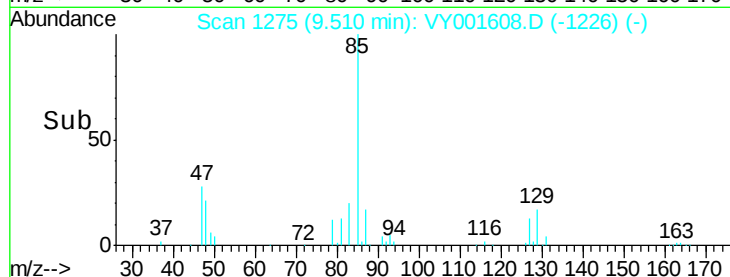
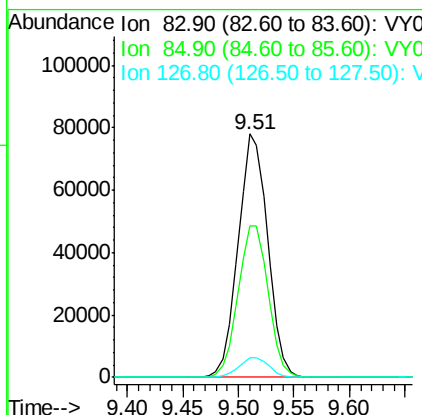
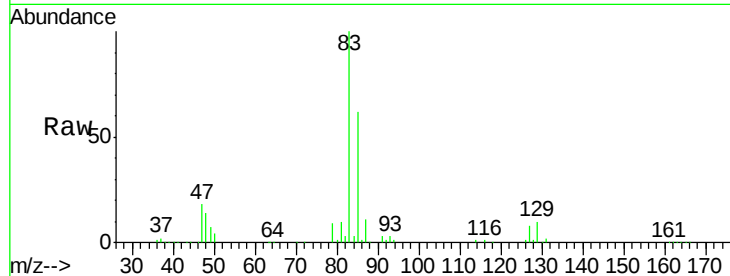
#47
Bromodichloromethane
Concen: 49.223 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	143896
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	51.9	77.9
127	8.2	6.9	10.3

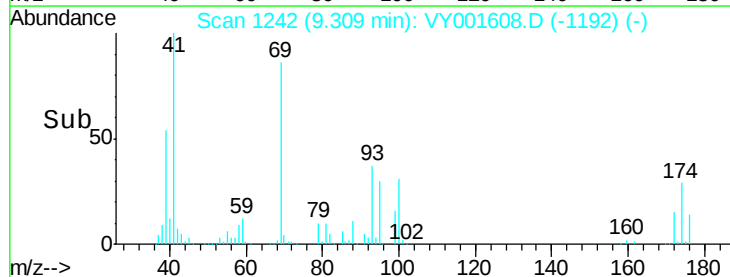
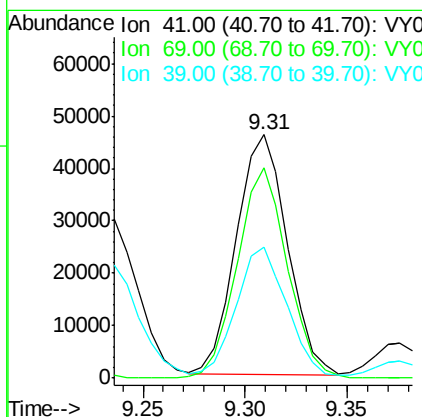
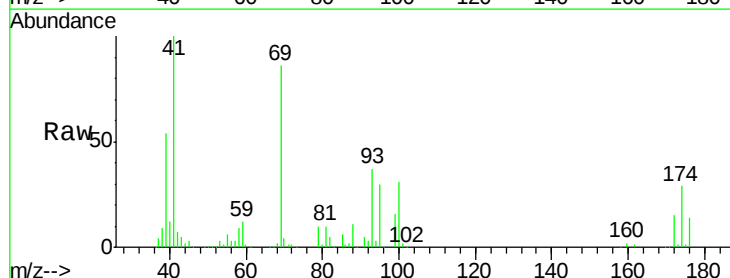
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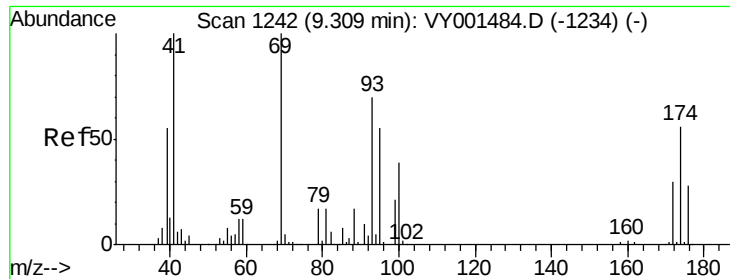
MMDadoda
2/13/2020 12:27:49 PM



#48
Methyl methacrylate
Concen: 58.745 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	41	Resp	79278
Ion Ratio	100	Lower	Upper
41	100		
69	86.5	76.6	114.8
39	52.7	45.4	68.0





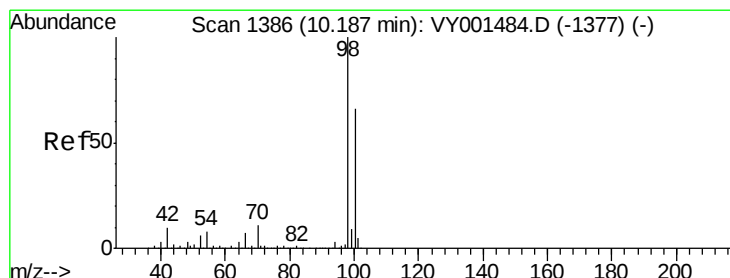
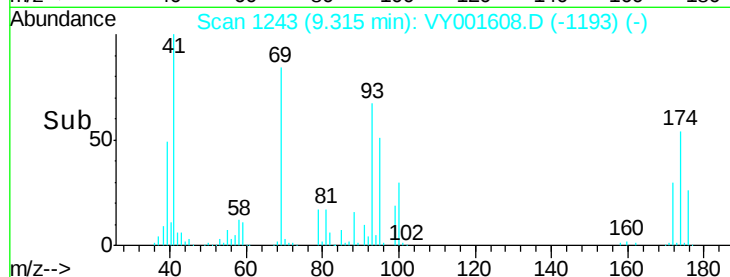
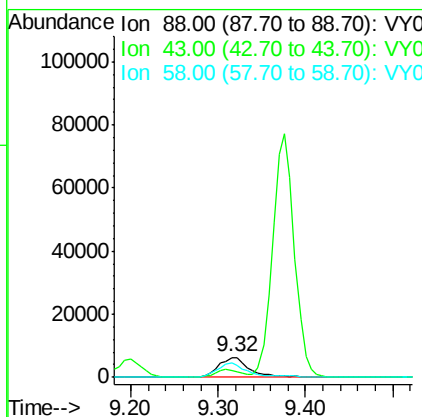
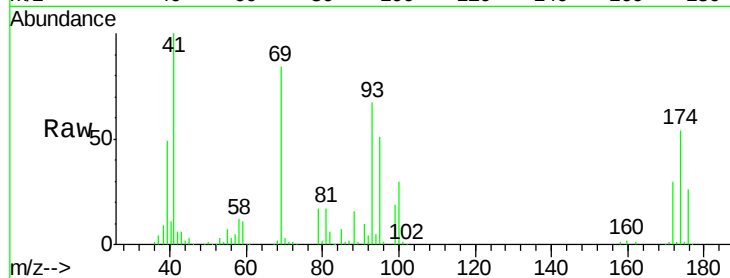
#49
1,4-Dioxane
Concen: 973.729 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15429
Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.8	37.2
58	68.1	59.3	88.9

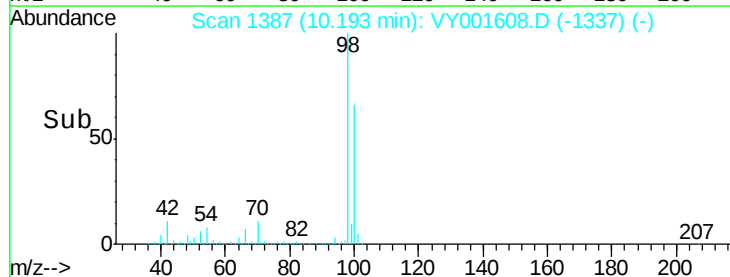
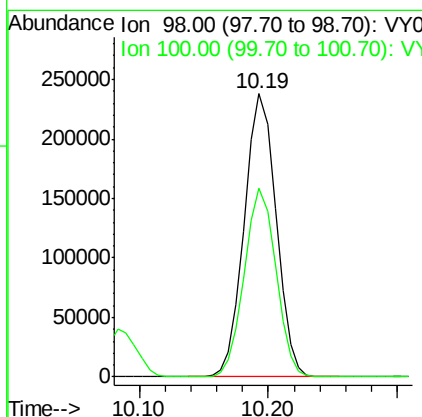
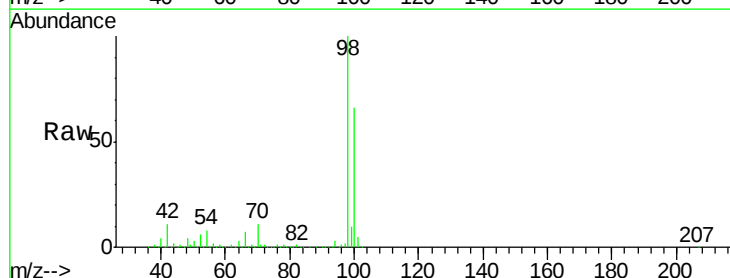
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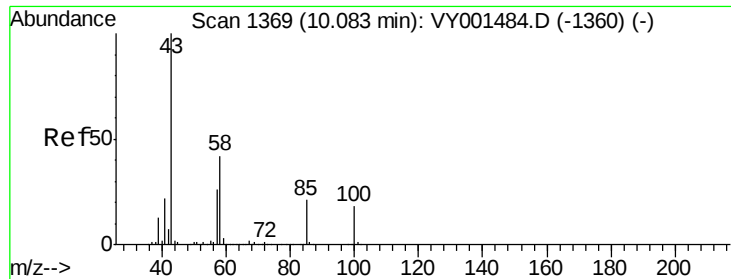
MMDadoda
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#50
Toluene-d8
Concen: 54.909 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	98	Resp	406234
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.6





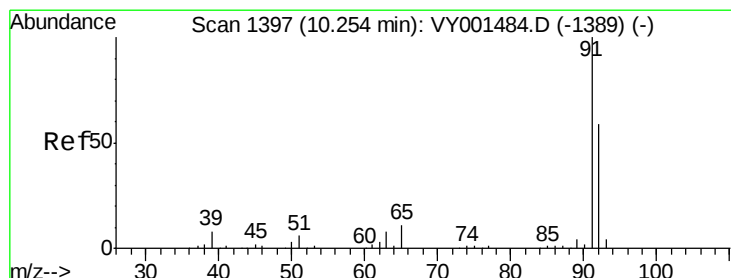
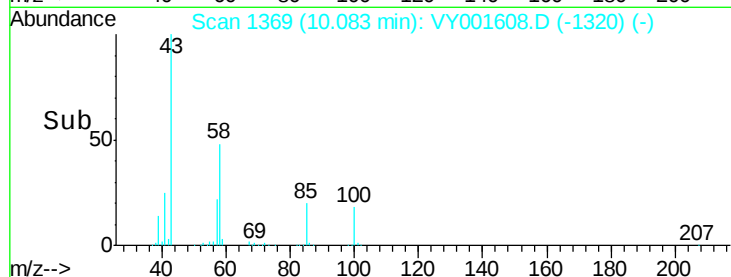
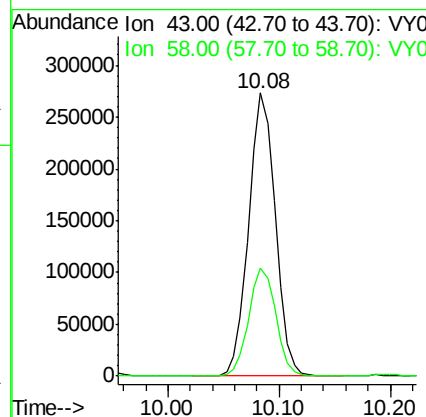
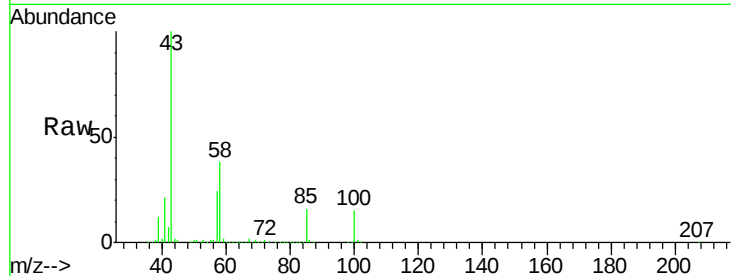
#51
4-Methyl-2-Pentanone
Concen: 311.859 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 456662
Ion Ratio Lower Upper
43 100
58 39.0 33.9 50.9

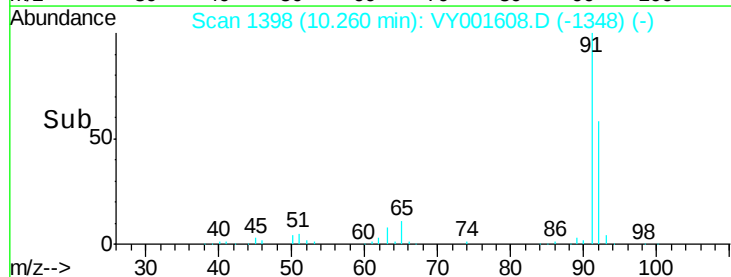
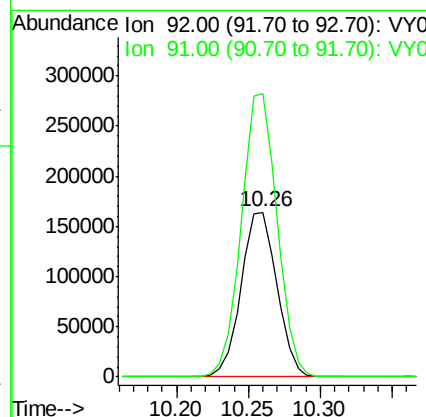
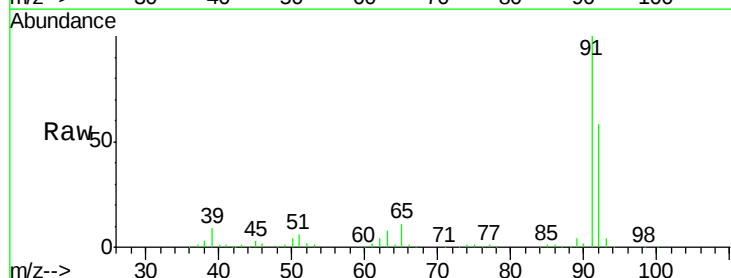
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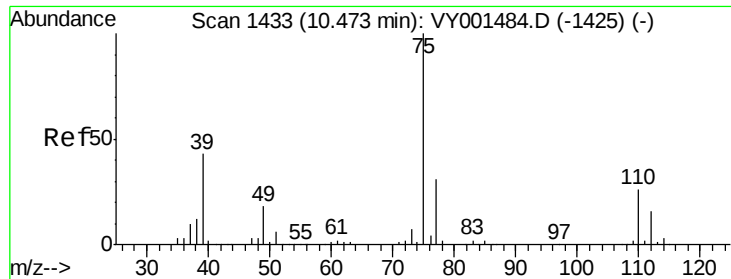
MMDadoda
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#52
Toluene
Concen: 50.426 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion: 92 Resp: 283113
Ion Ratio Lower Upper
92 100
91 171.5 136.6 204.8





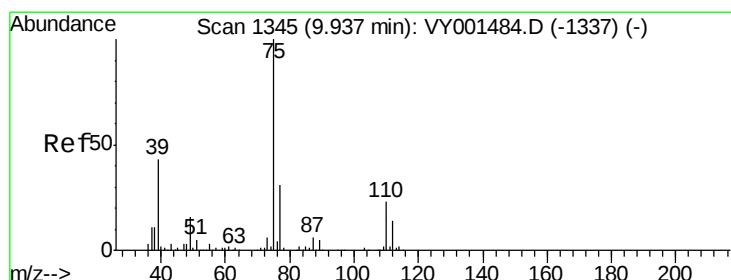
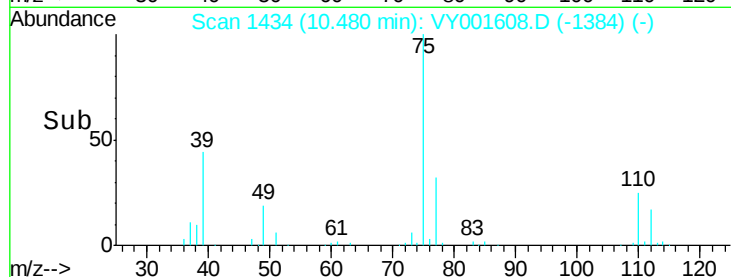
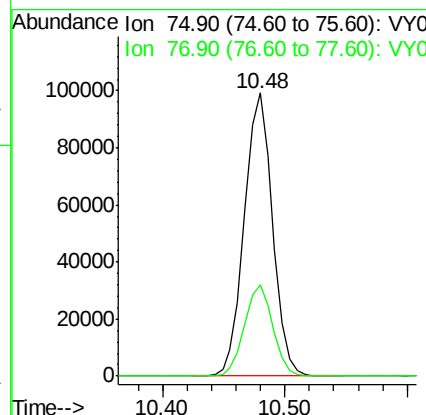
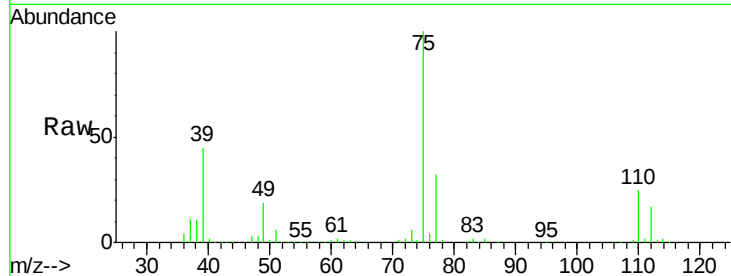
#53
t-1,3-Dichloropropene
Concen: 49.754 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.9	37.3

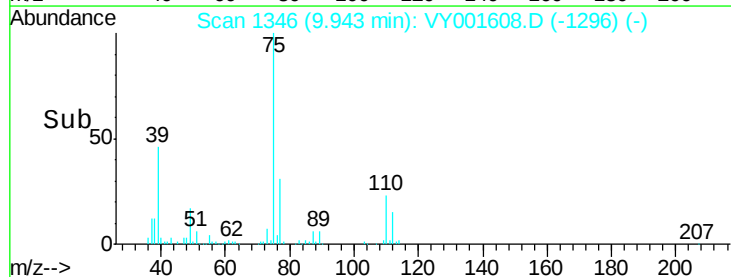
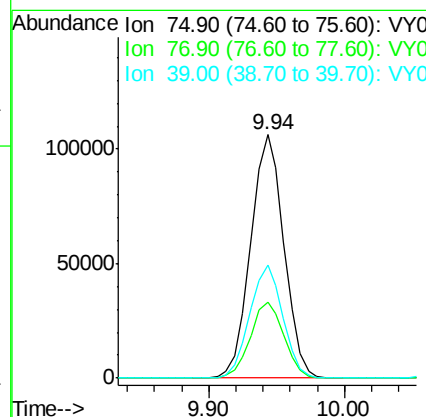
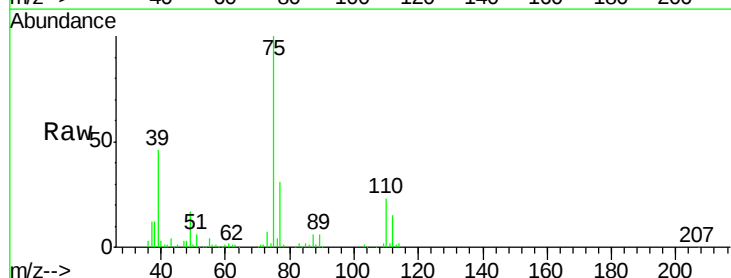
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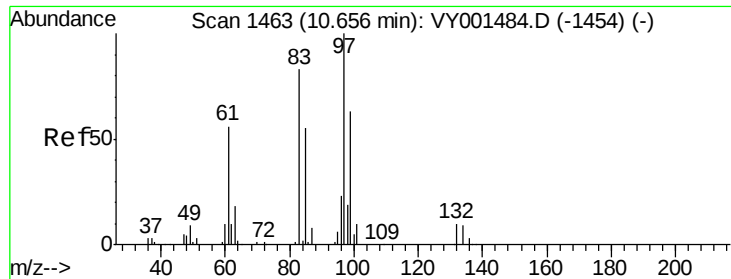
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#54
cis-1,3-Dichloropropene
Concen: 49.702 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	46.4	34.0	51.0





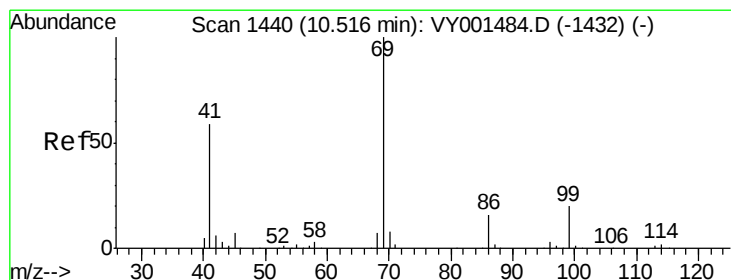
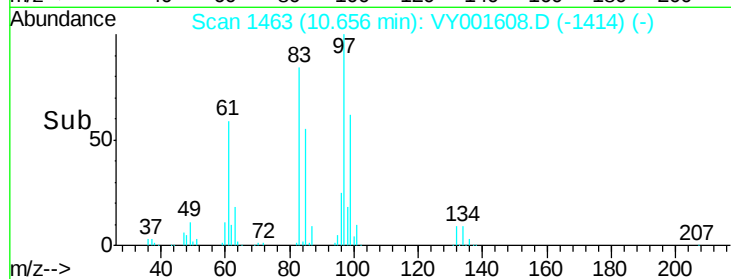
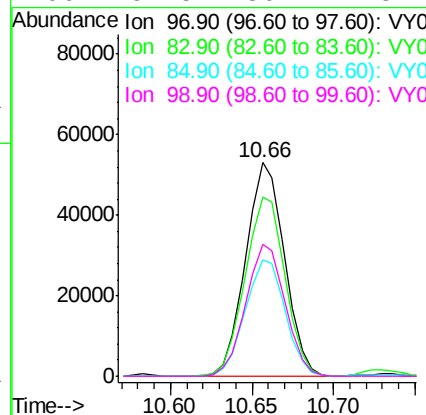
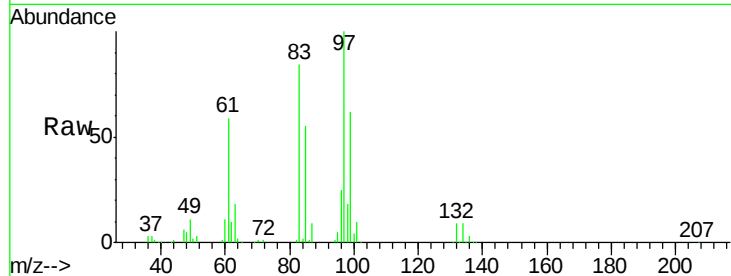
#55
 1,1,2-Trichloroethane
 Concen: 51.195 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		88129		
83	84.2	66.2	99.2		
85	54.5	43.8	65.6		
99	61.5	50.1	75.1		

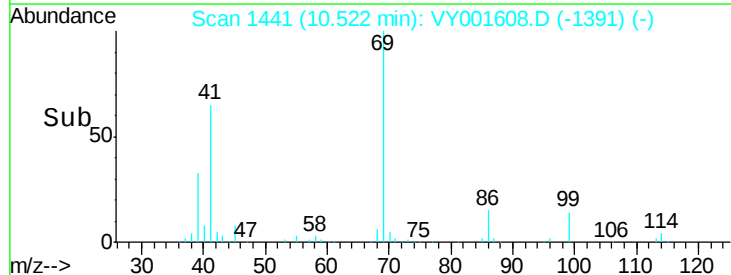
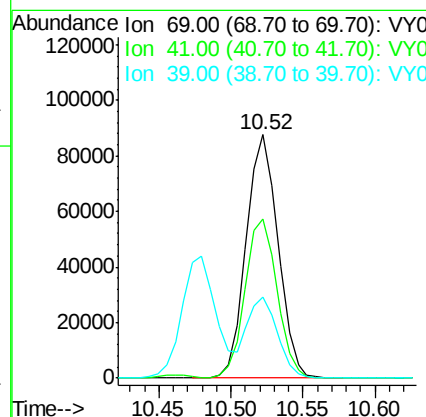
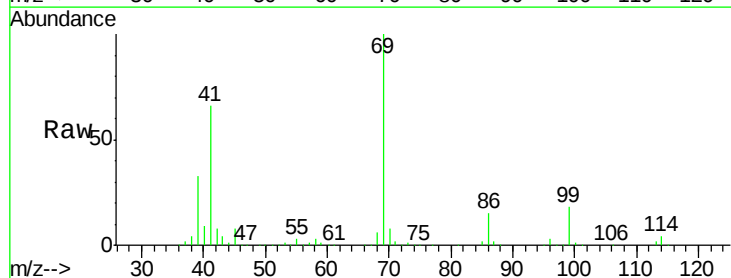
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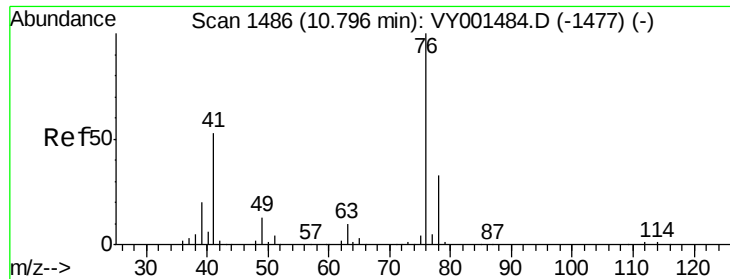
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#56
 Ethyl methacrylate
 Concen: 54.630 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		133759		
41	66.2	47.8	71.8		
39	31.4	24.4	36.6		





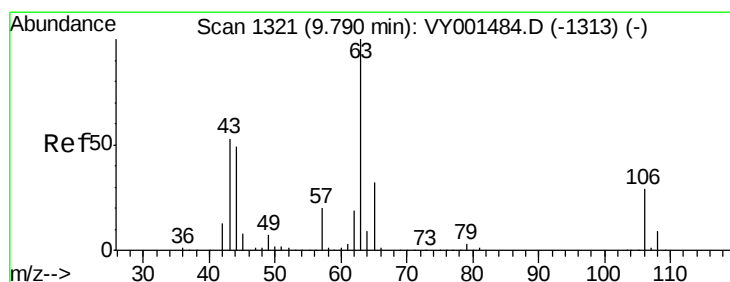
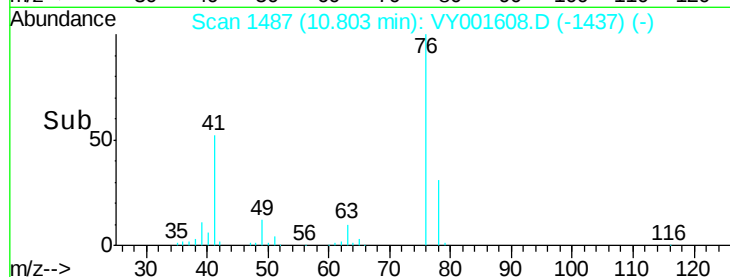
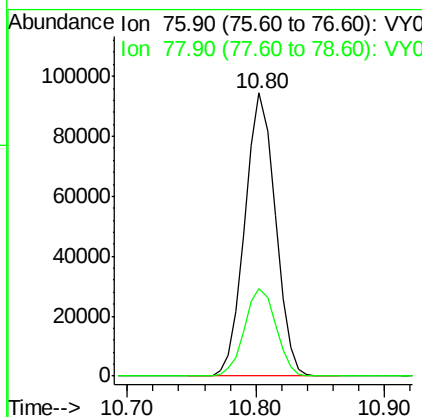
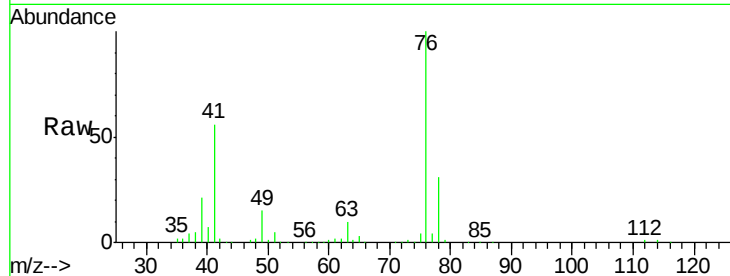
#57
 1,3-Dichloropropane
 Concen: 51.017 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 154809
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

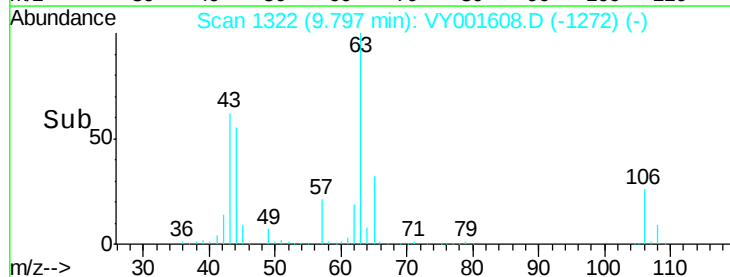
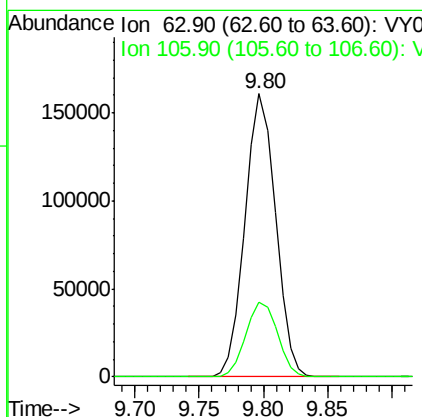
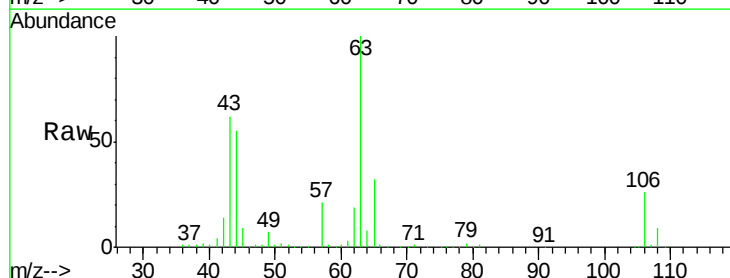
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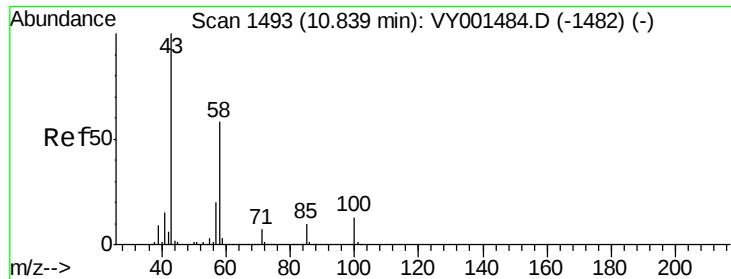
MMDadoda
 2/13/2020 12:27:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 294.269 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Tgt Ion: 63 Resp: 265054
 Ion Ratio Lower Upper
 63 100
 106 27.2 24.0 36.0





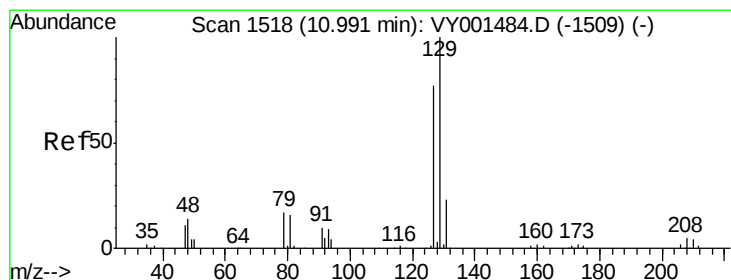
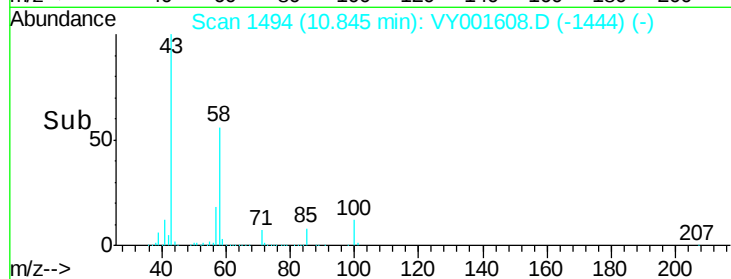
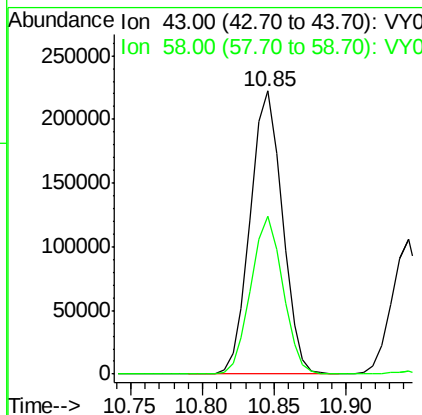
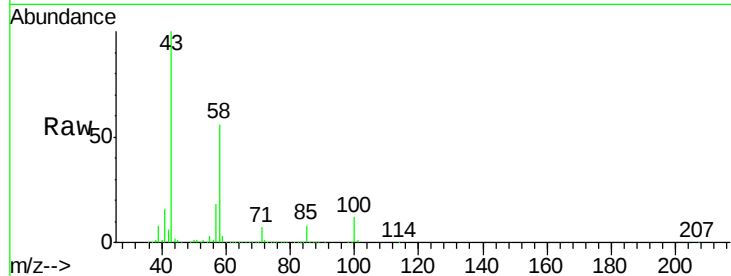
#59
2-Hexanone
Concen: 322.863 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 343750
Ion Ratio Lower Upper
43 100
58 55.3 29.0 87.0

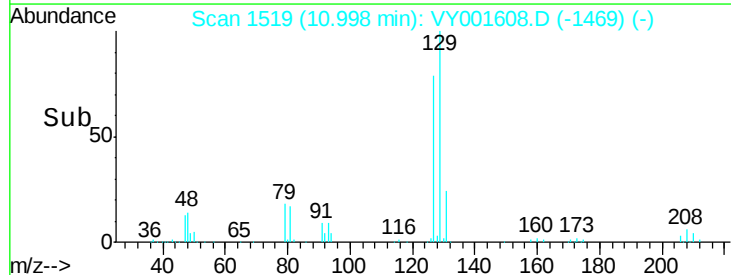
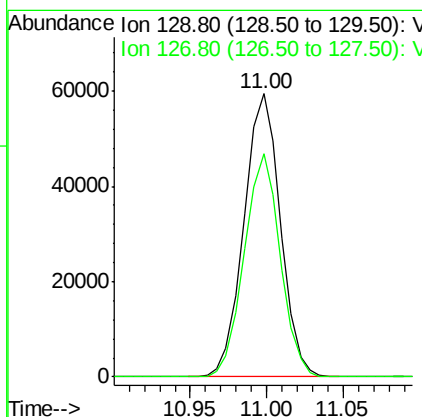
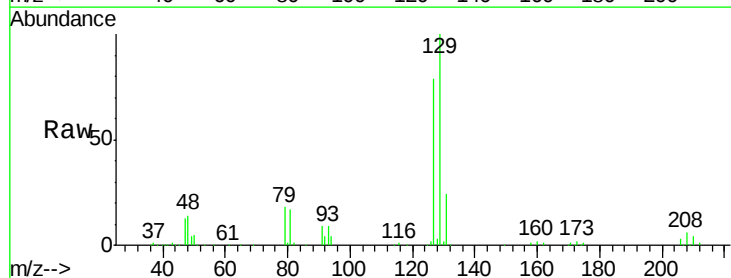
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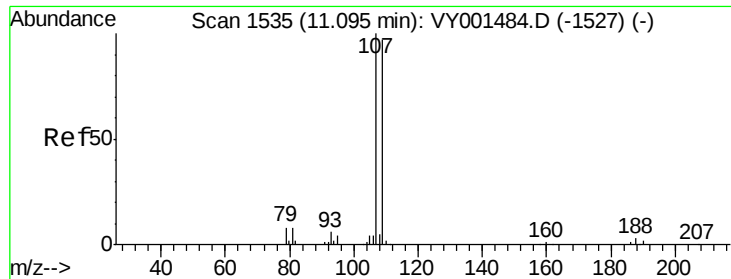
MMDadoda
2/13/2020 12:27:49 PM



#60
Dibromochloromethane
Concen: 48.484 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion: 129 Resp: 98381
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





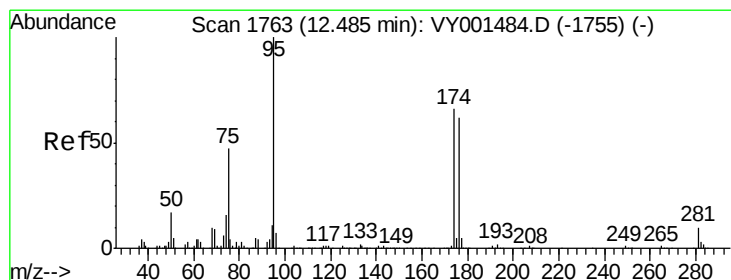
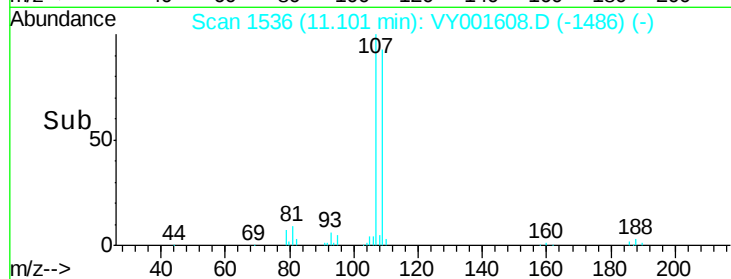
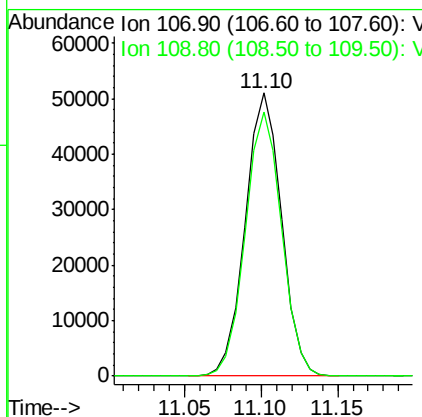
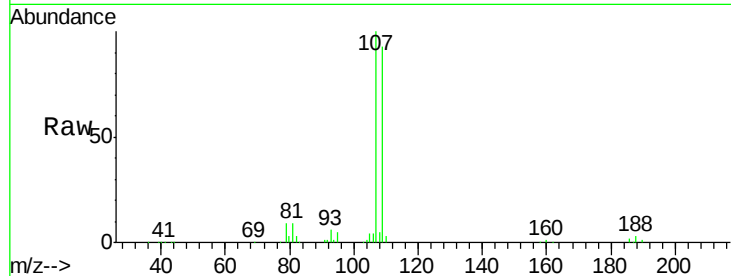
#61
 1,2-Dibromoethane
 Concen: 49.520 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 83962
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.2 114.2

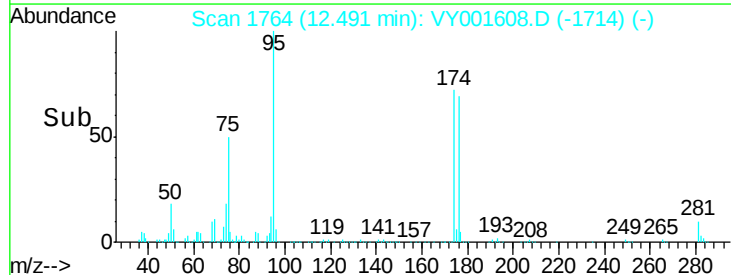
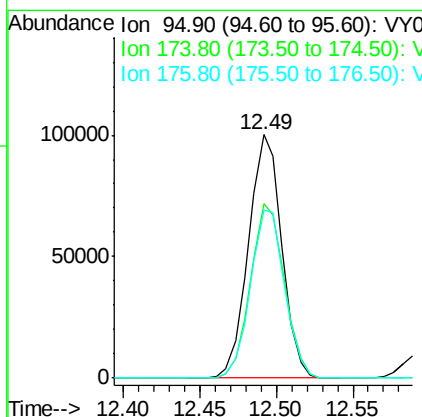
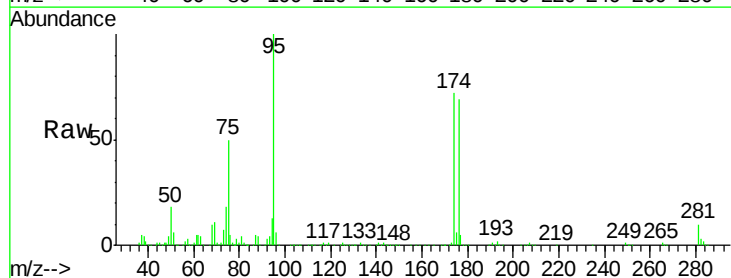
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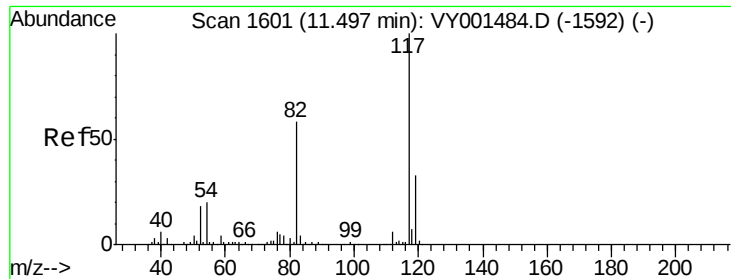
MMDadoda
 2/13/2020 12:27:49 PM



#62
 4-Bromofluorobenzene
 Concen: 51.904 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Tgt Ion: 95 Resp: 151278
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 141.4
 176 71.1 0.0 135.4





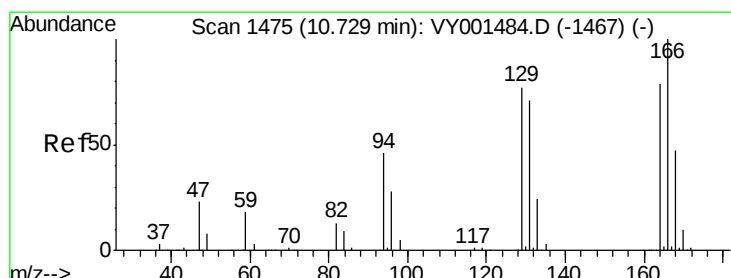
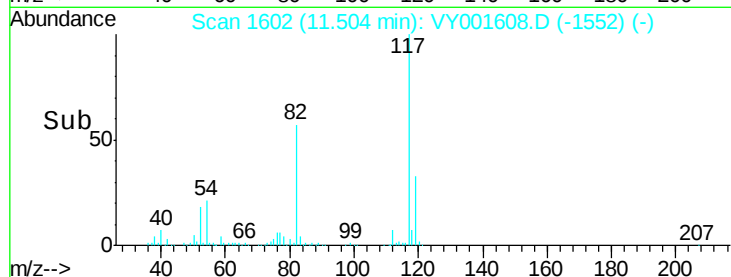
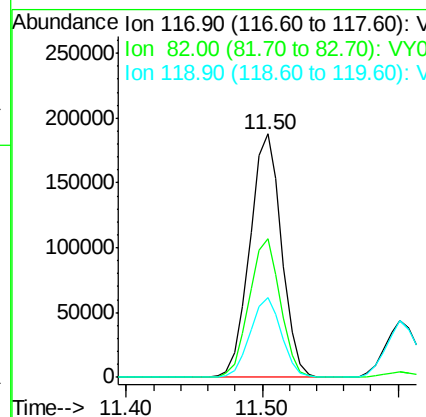
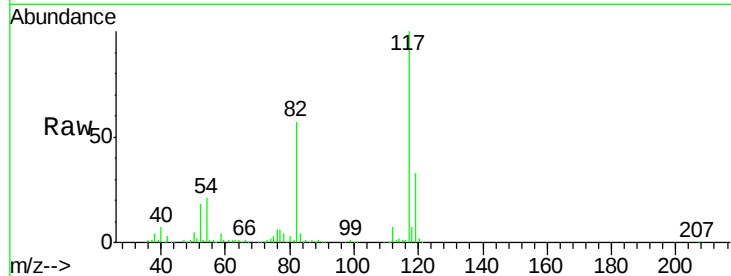
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306847		
82	57.0		46.1	69.1
119	32.5		26.1	39.1

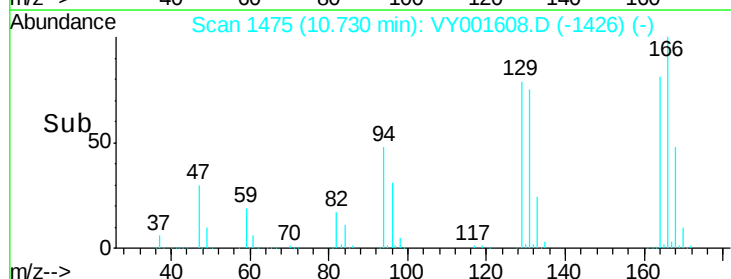
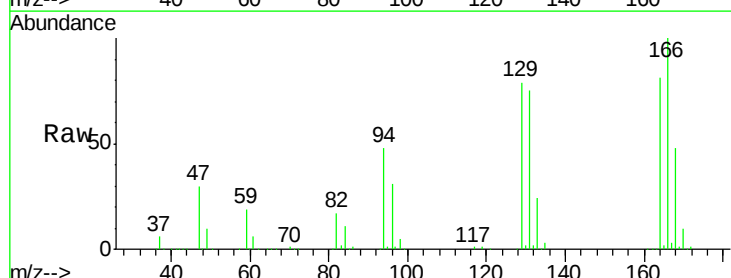
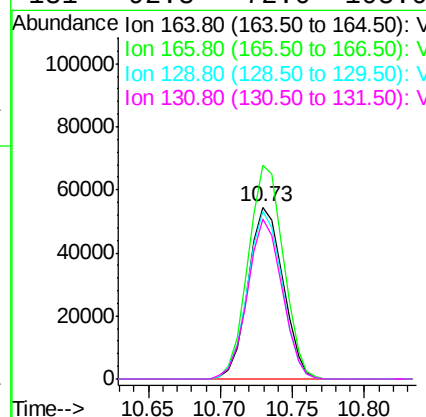
Manual Integrations
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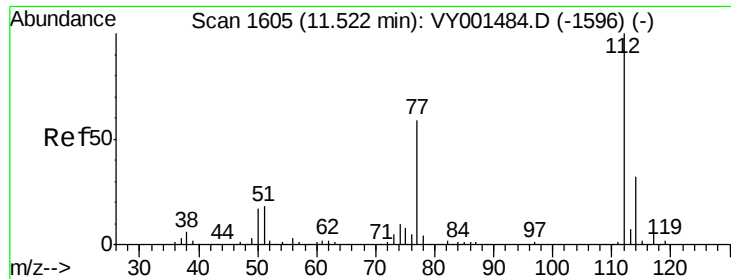
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#64
Tetrachloroethene
Concen: 45.354 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91267		
166	124.1		100.8	151.2
129	97.7		77.8	116.6
131	92.8		72.0	108.0





#65

Chlorobenzene

Concen: 48.312 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 291078

Ion Ratio Lower Upper

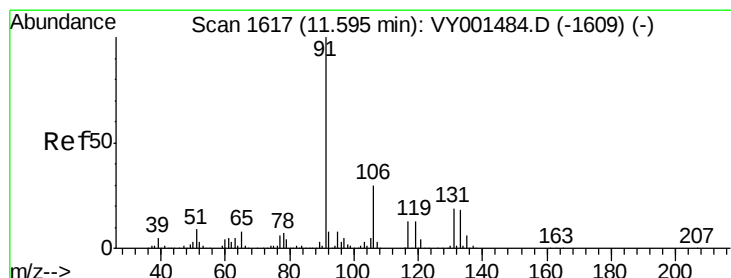
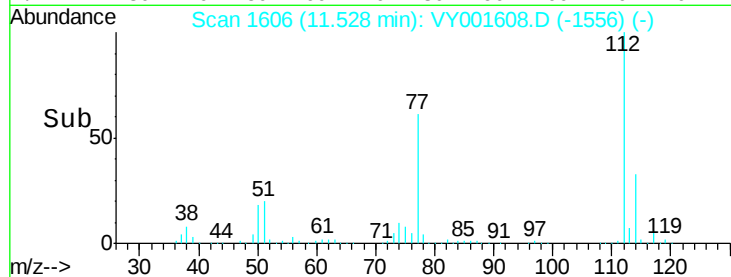
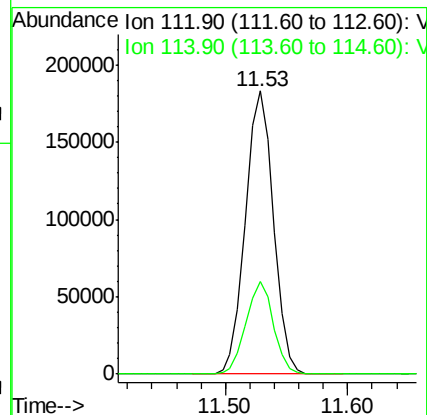
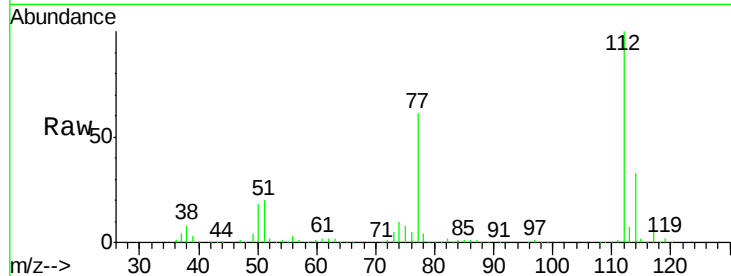
112 100

114 32.7 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 47.656 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

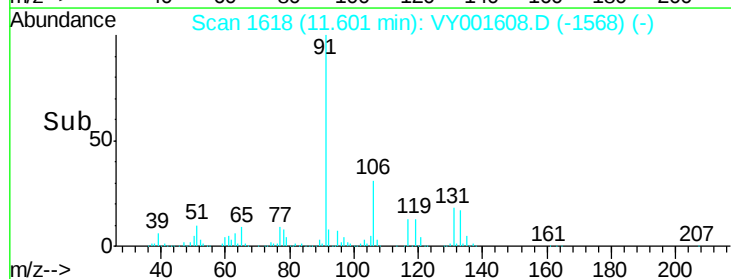
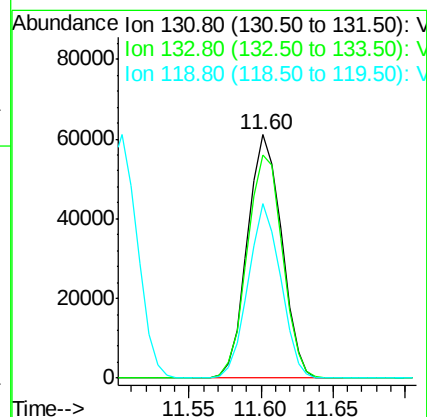
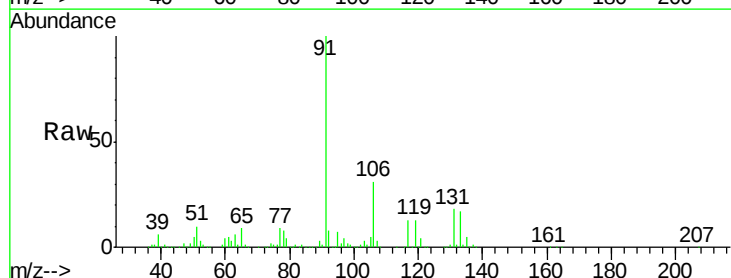
Tgt Ion:131 Resp: 100491

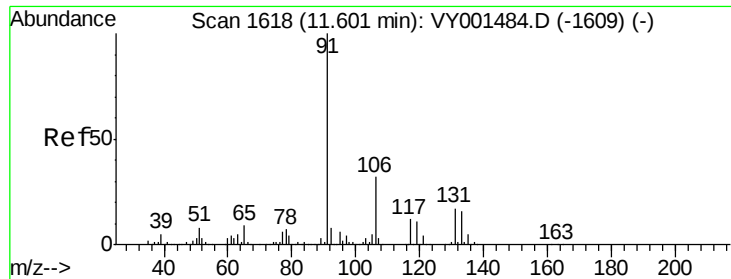
Ion Ratio Lower Upper

131 100

133 94.5 47.9 143.8

119 68.4 33.7 101.0





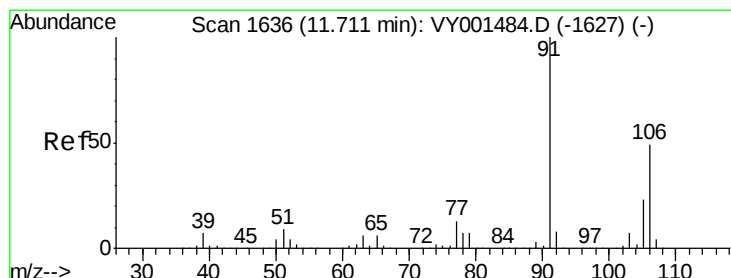
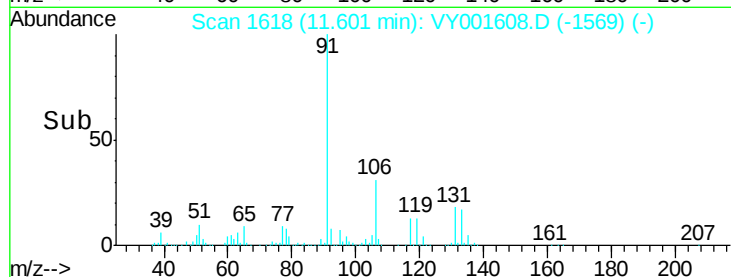
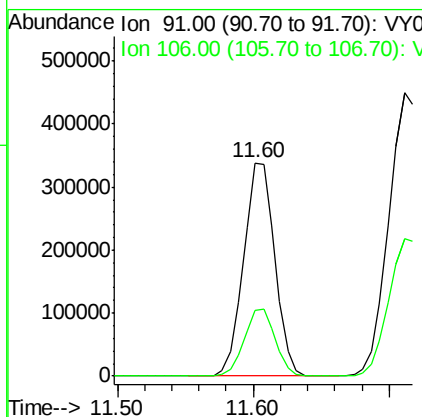
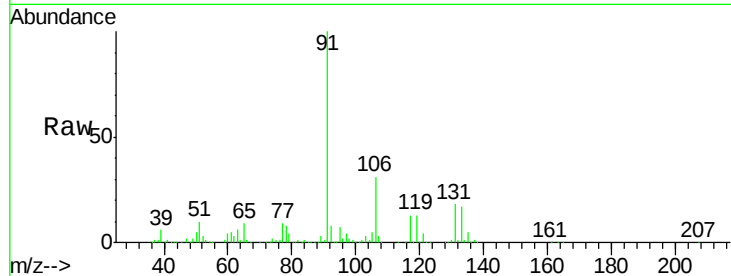
#67
Ethyl Benzene
Concen: 48.715 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 542679
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9

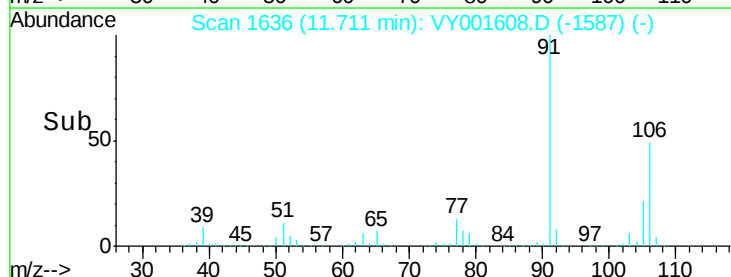
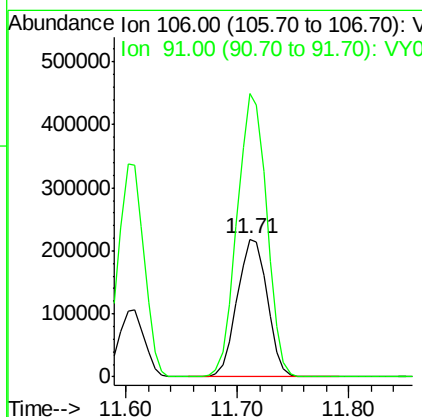
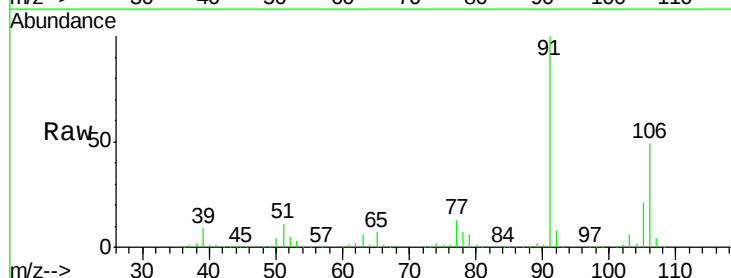
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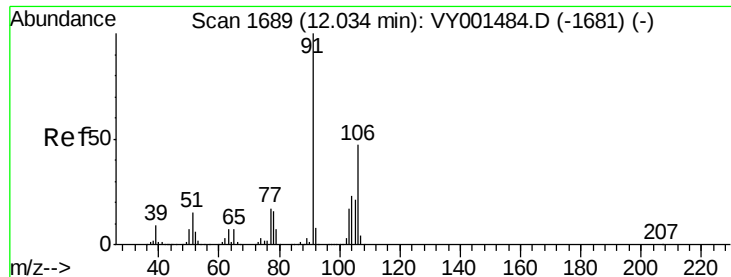
MMDadoda
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#68
m/p-Xylenes
Concen: 98.138 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion: 106 Resp: 410407
Ion Ratio Lower Upper
106 100
91 202.4 163.6 245.4





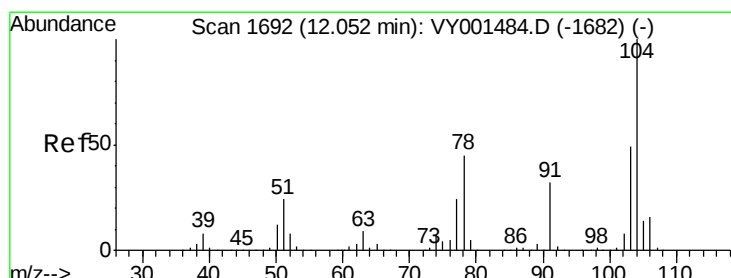
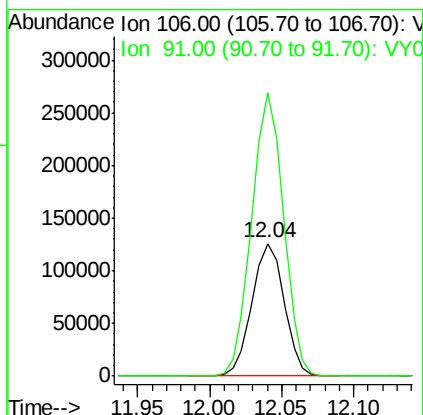
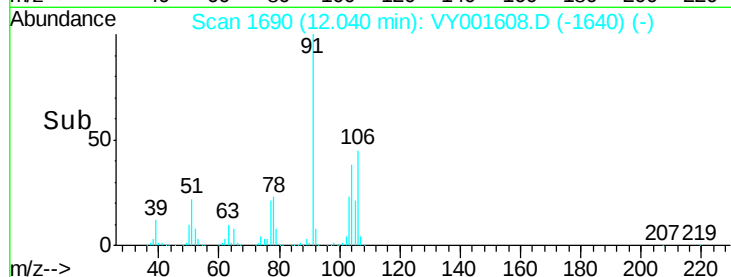
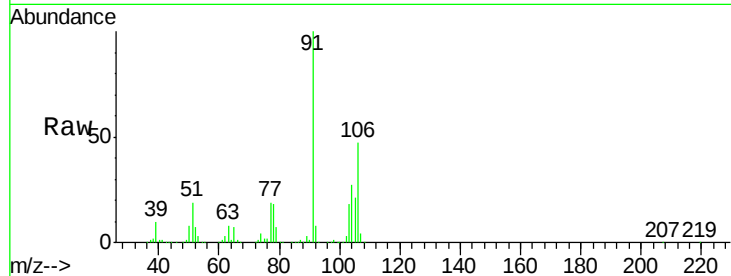
#69
o-Xylene
Concen: 49.507 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 195206
Ion Ratio Lower Upper
106 100
91 211.0 106.0 318.0

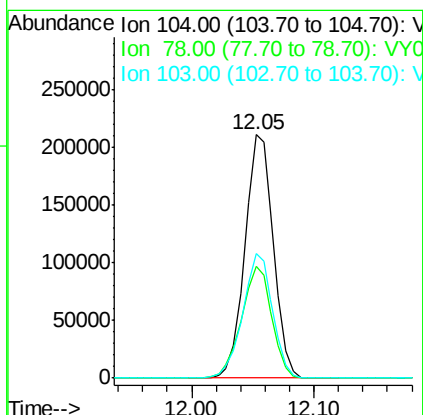
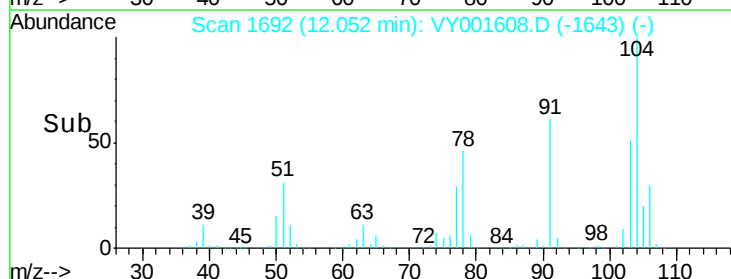
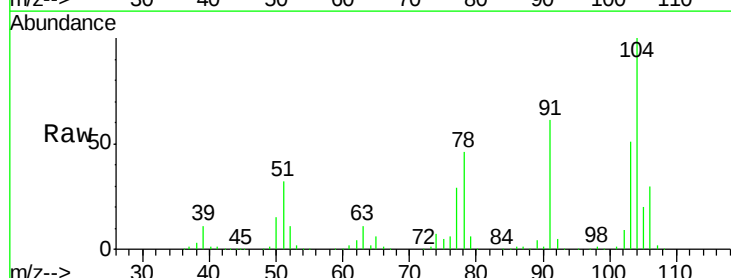
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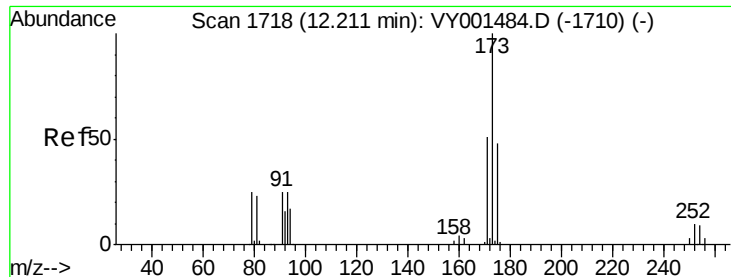
MMDadoda
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#70
Styrene
Concen: 49.918 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion:104 Resp: 340375
Ion Ratio Lower Upper
104 100
78 49.0 40.4 60.6
103 53.5 42.8 64.2





#71

Bromoform

Concen: 49.895 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 58585

Ion Ratio Lower Upper

173 100

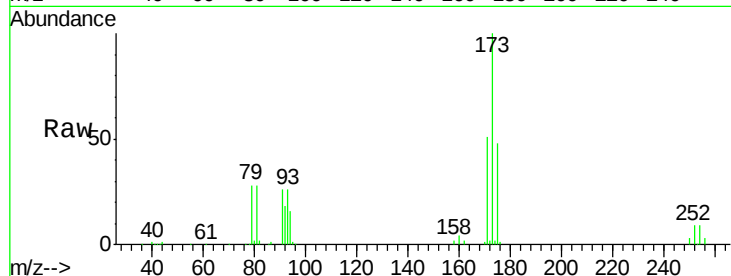
175 47.8 24.0 72.0

254 0.0 0.1 0.1#

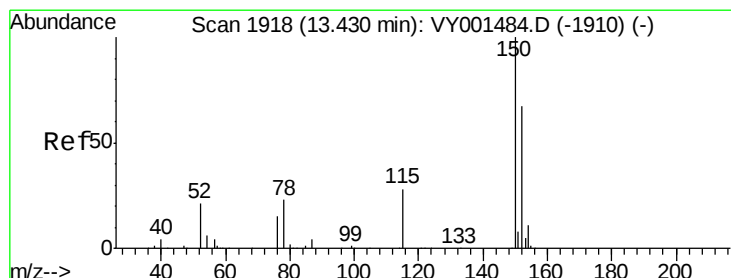
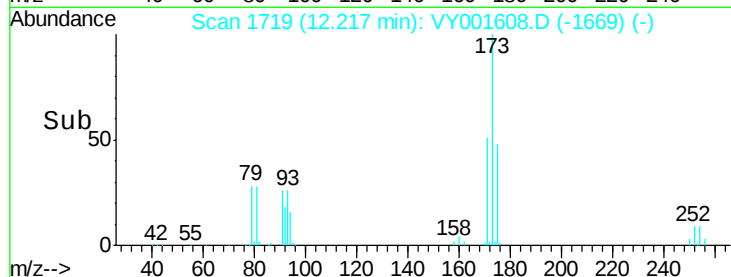
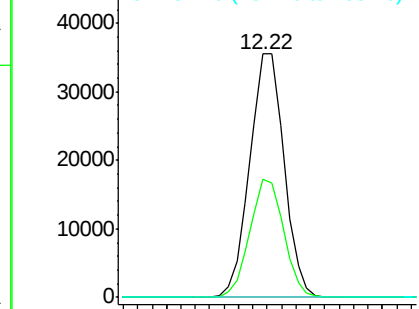
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

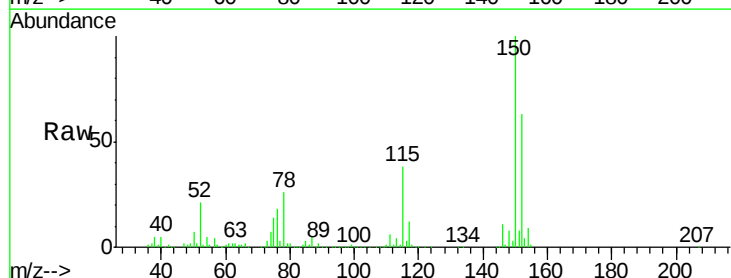
Tgt Ion:152 Resp: 149186

Ion Ratio Lower Upper

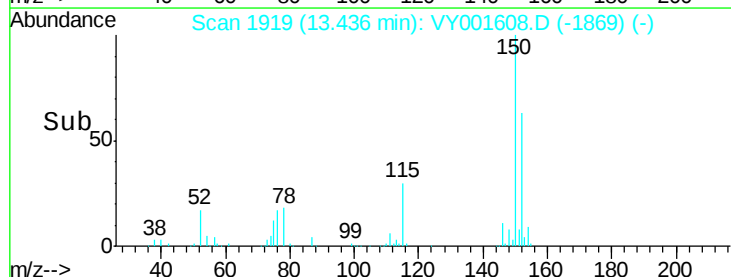
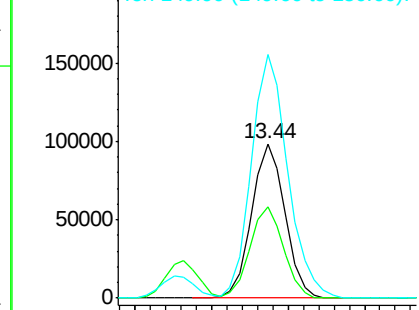
152 100

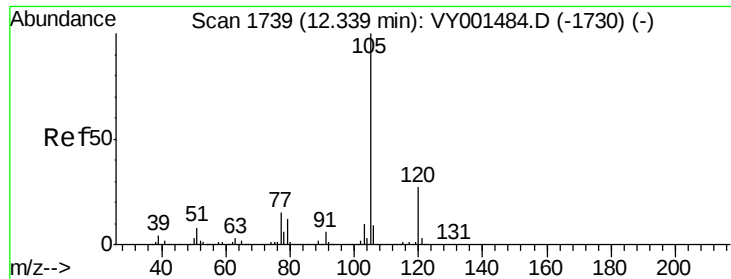
115 59.7 31.4 94.3

150 172.2 0.0 346.8



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





#73

Isopropylbenzene

Concen: 46.574 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 529932

Ion Ratio Lower Upper

105 100

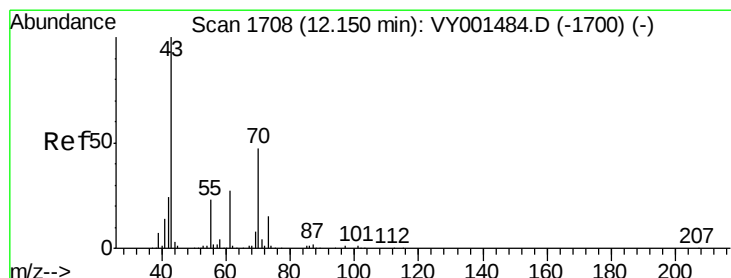
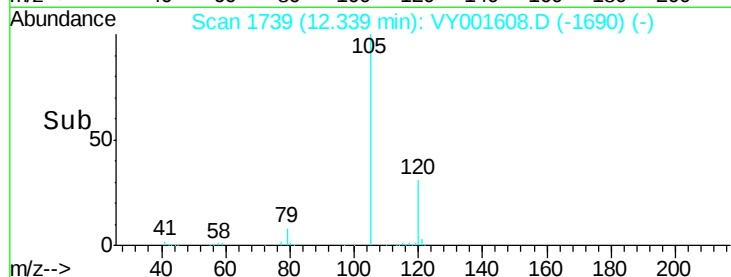
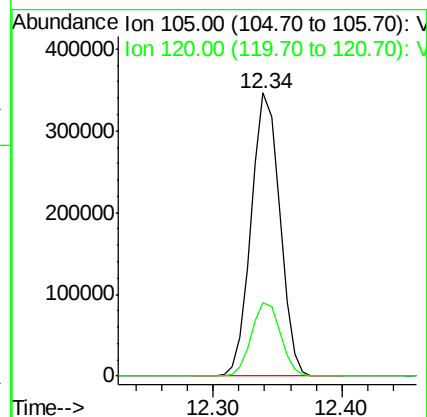
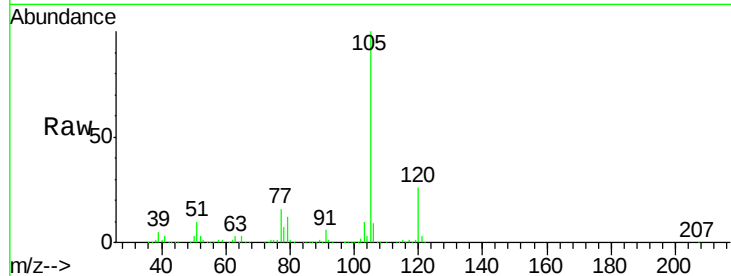
120 26.5 13.3 39.9

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#74

N-ethyl acetate

Concen: 57.247 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion: 43 Resp: 169260

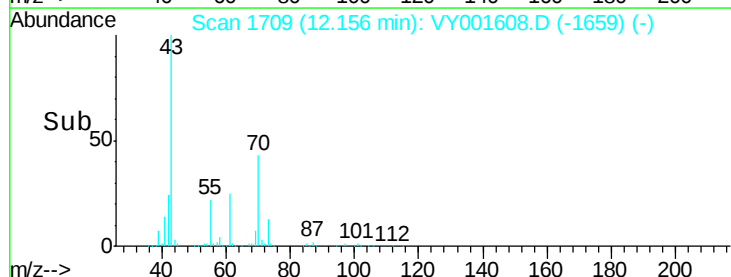
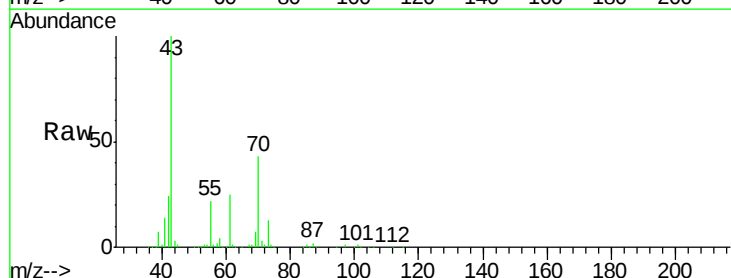
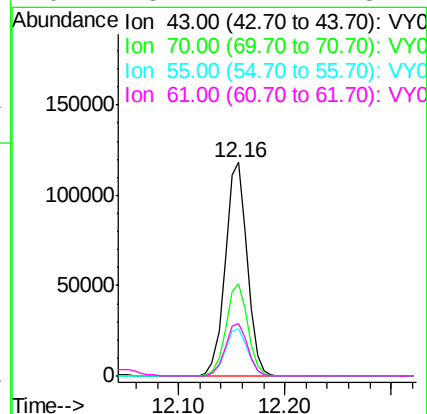
Ion Ratio Lower Upper

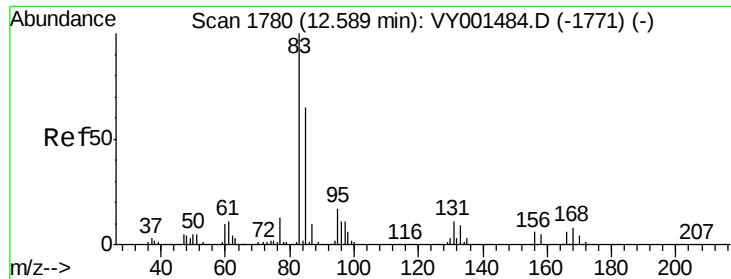
43 100

70 43.1 37.2 55.8

55 22.8 18.8 28.2

61 25.2 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.559 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

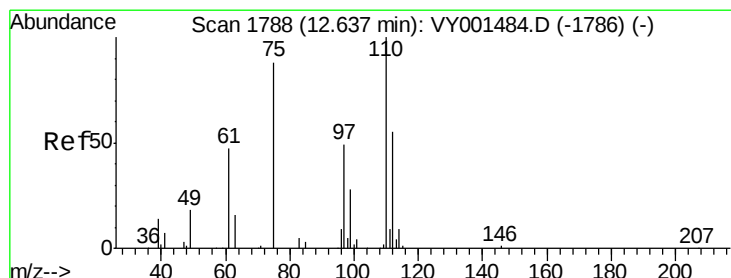
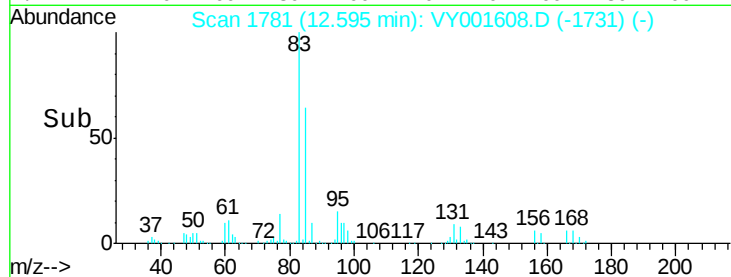
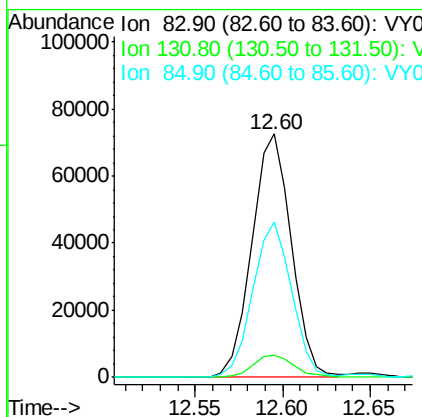
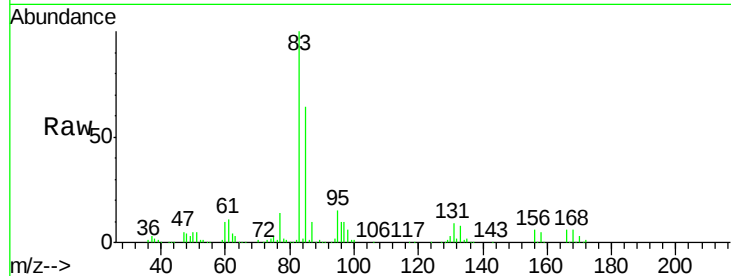
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113619
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.4	16.2
85	63.1	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 48.966 ug/l m

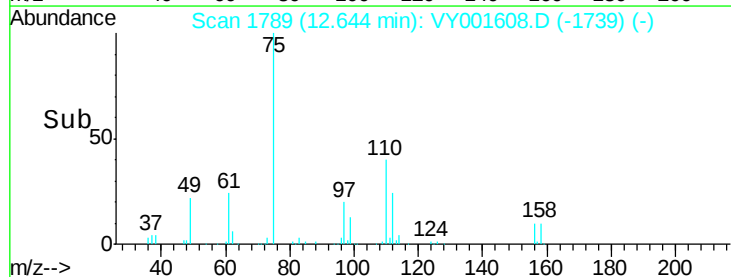
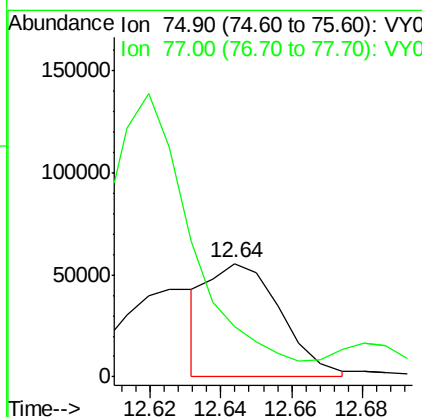
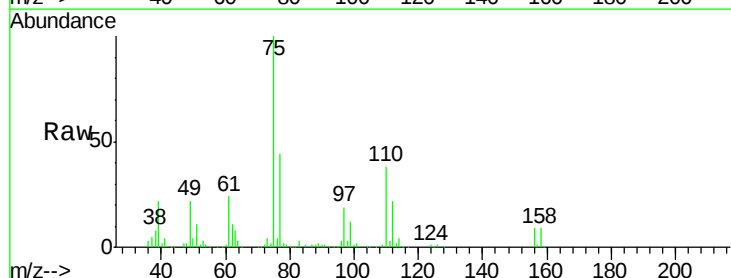
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion:	75	Resp:	78558
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.733 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

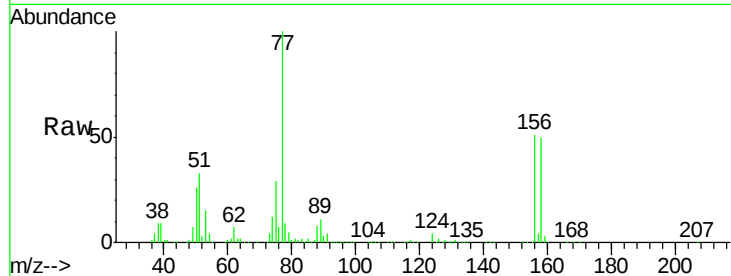
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	112611
Ion Ratio	Lower	Upper	
156	100		
77	214.0	99.8	299.3
158	98.1	47.5	142.6

Manual Integrations
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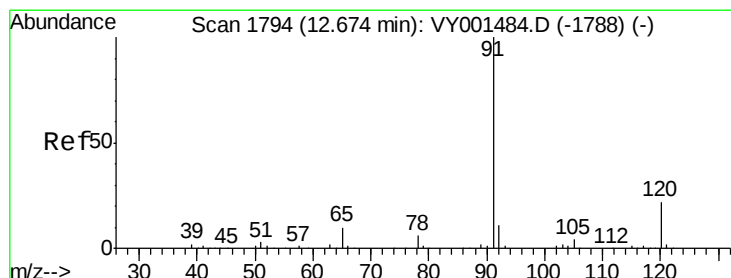
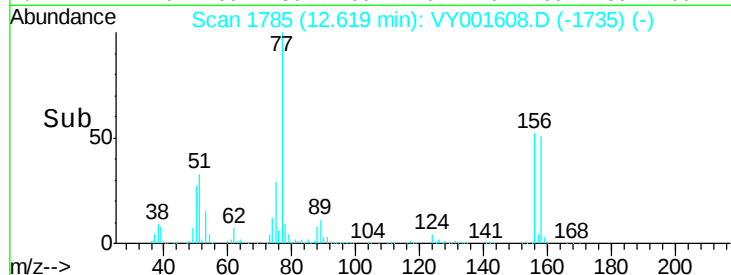
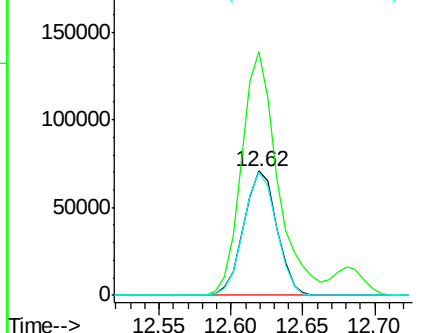
MMDadoda
2/13/2020 12:27:49 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.954 ug/l

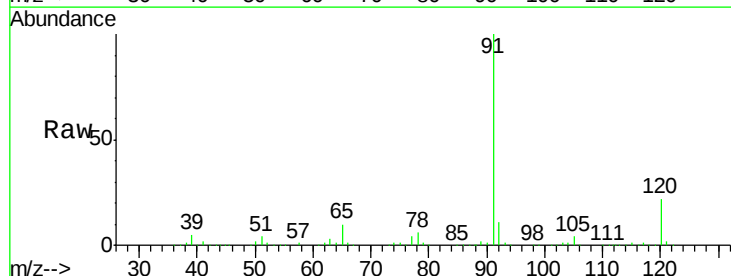
RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001608.D

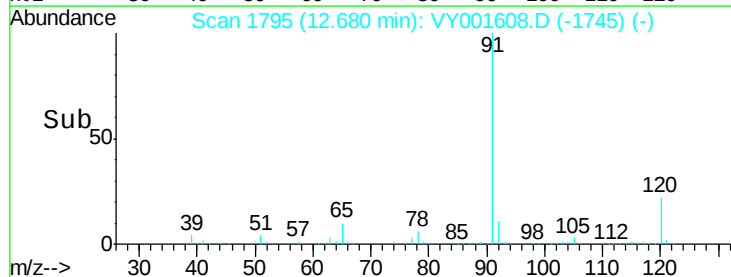
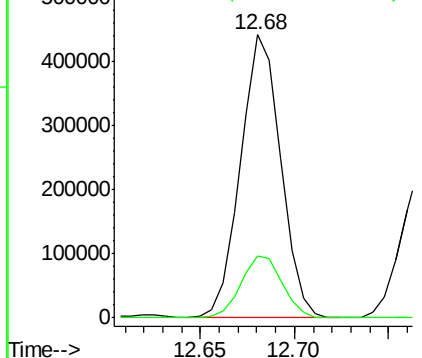
Acq: 12 Feb 2020 11:15

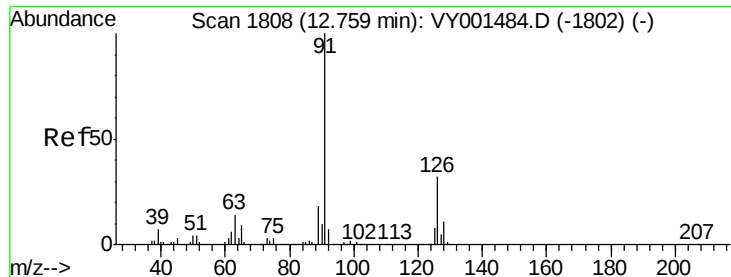
Tgt Ion:	91	Resp:	653214
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





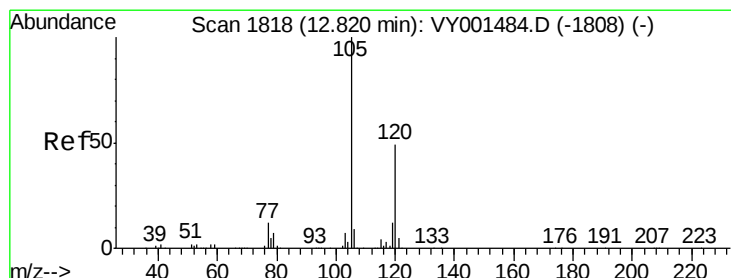
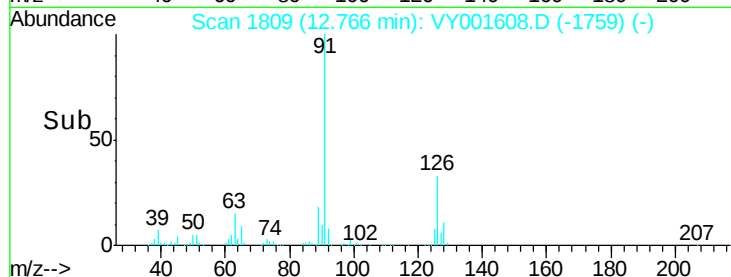
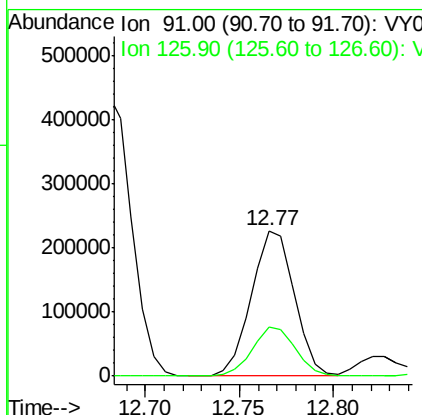
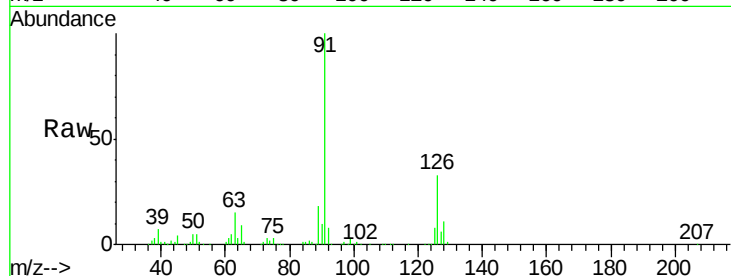
#79
2-Chlorotoluene
Concen: 46.417 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 360406
Ion Ratio Lower Upper
91 100
126 33.3 16.4 49.2

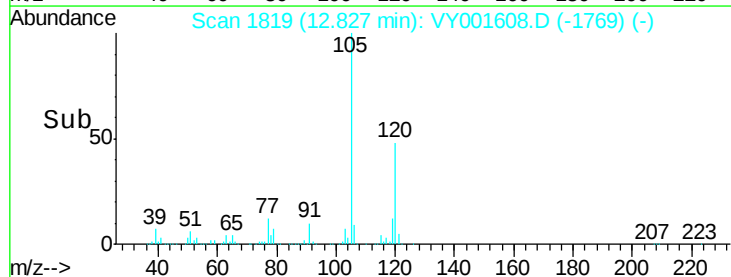
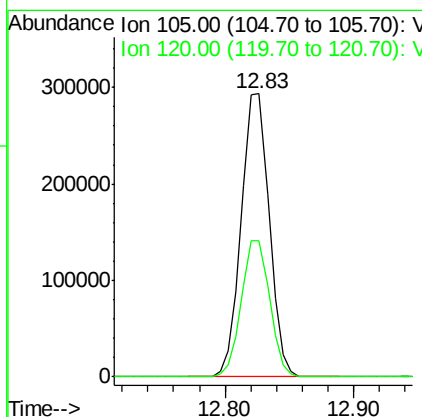
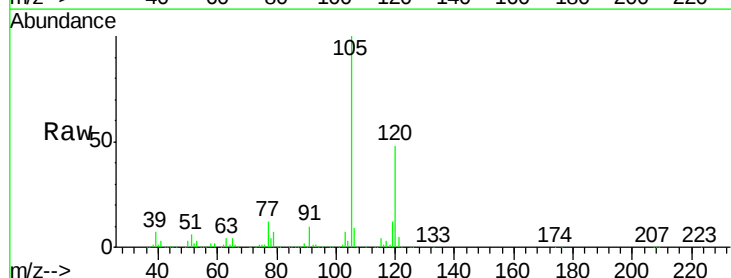
Manual Integrations
APPROVED

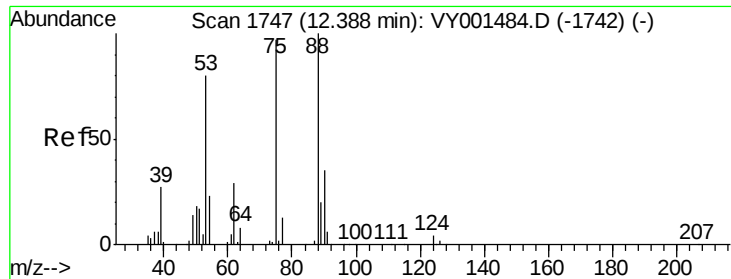
MMDadoda
2/13/2020 12:27:49 PM



#80
1,3,5-Trimethylbenzene
Concen: 46.105 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion: 105 Resp: 441798
Ion Ratio Lower Upper
105 100
120 48.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.590 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

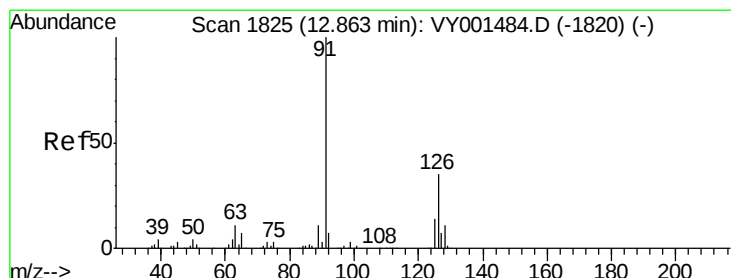
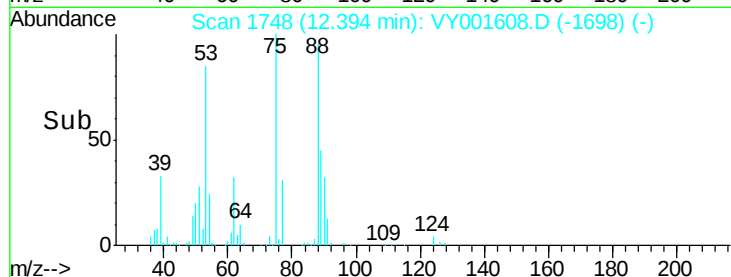
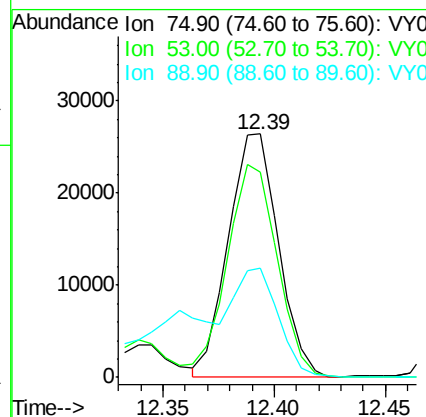
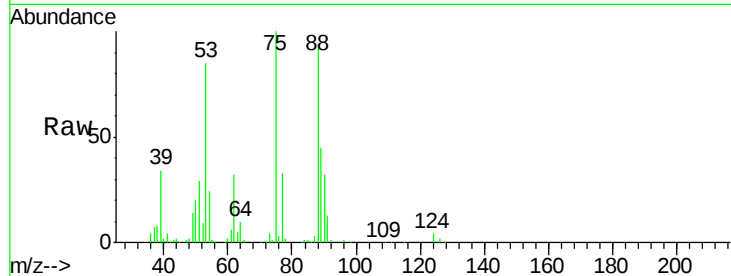
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	41117
Ion	Ratio	Lower	Upper
75	100		
53	88.6	67.7	101.5
89	40.4	34.6	52.0

Manual Integrations
APPROVED

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#82

4-Chlorotoluene

Concen: 46.778 ug/l

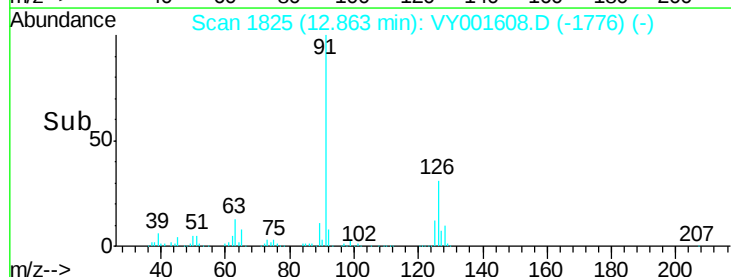
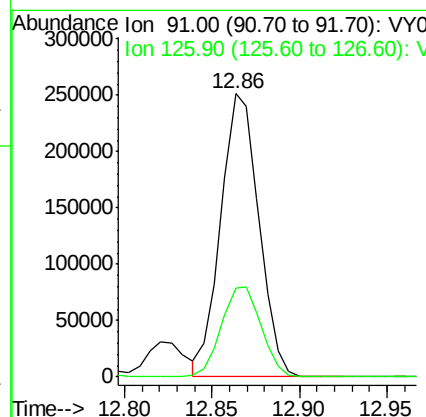
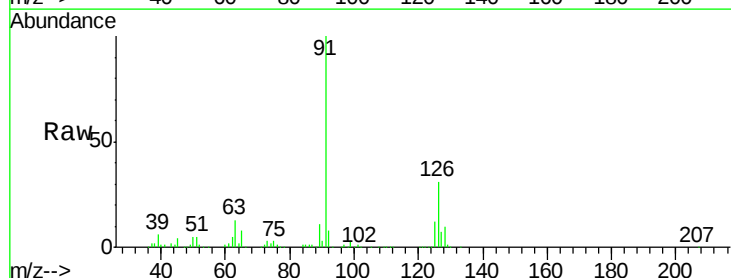
RT: 12.86 min Scan# 1825

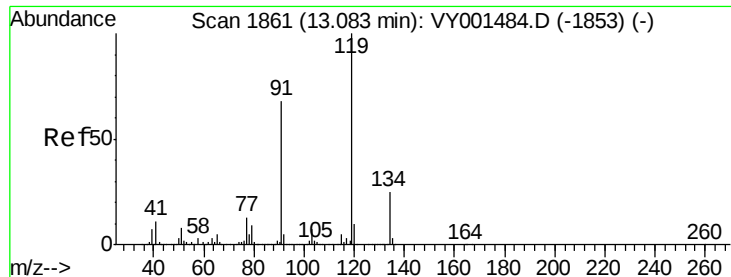
Delta R.T. 0.00 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion:	91	Resp:	380810
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.5	49.5





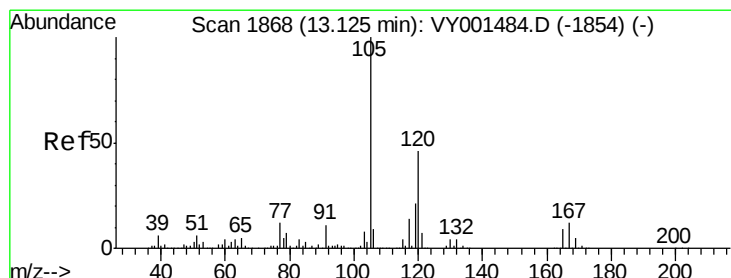
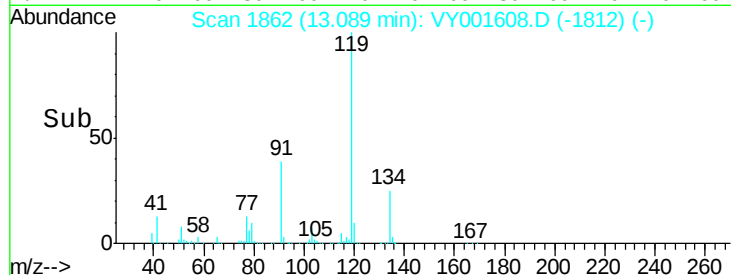
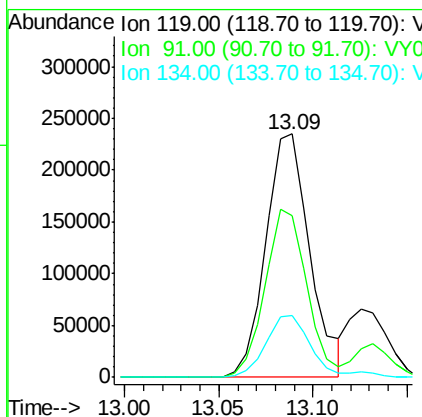
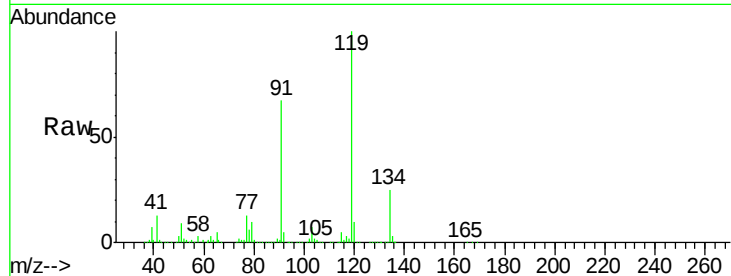
#83
tert-Butylbenzene
Concen: 47.207 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	382359		
91	65.4	33.1	99.3	
134	26.6	13.0	39.0	

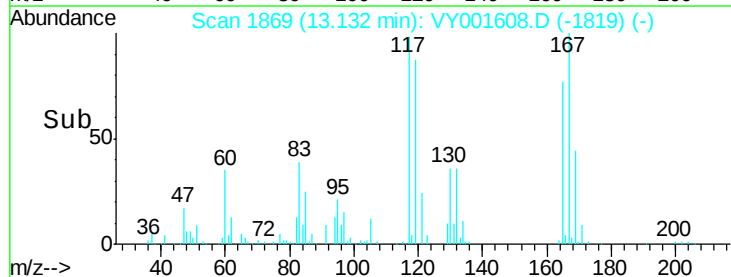
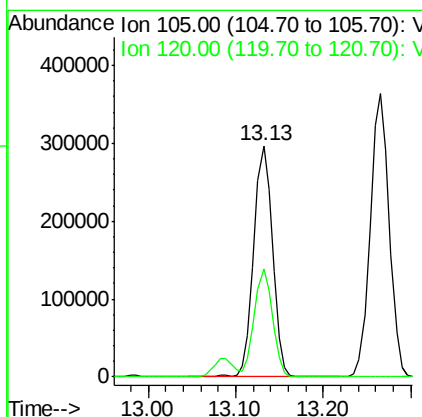
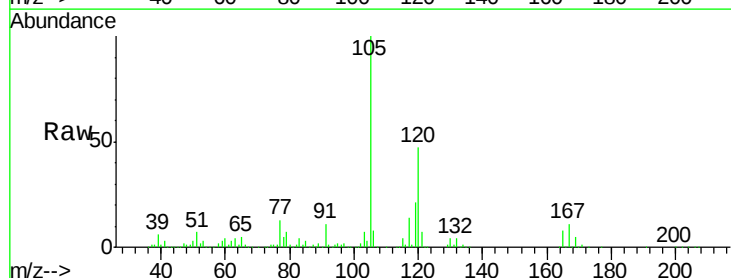
Manual Integrations
APPROVED

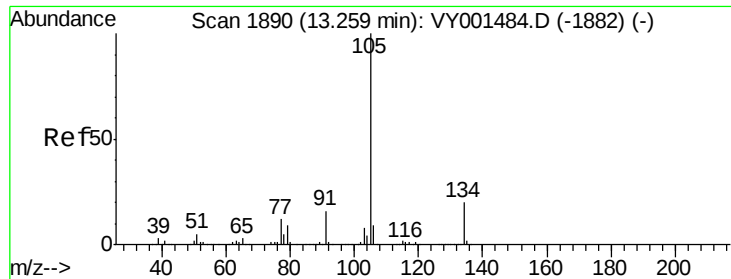
MMDadoda
2/13/2020 12:27:49 PM



#84
1,2,4-Trimethylbenzene
Concen: 46.666 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	442582		
120	44.9	22.4	67.0	





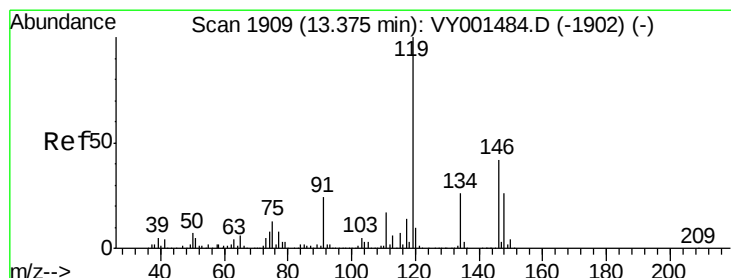
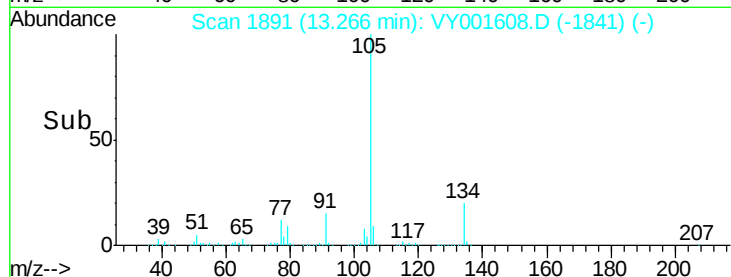
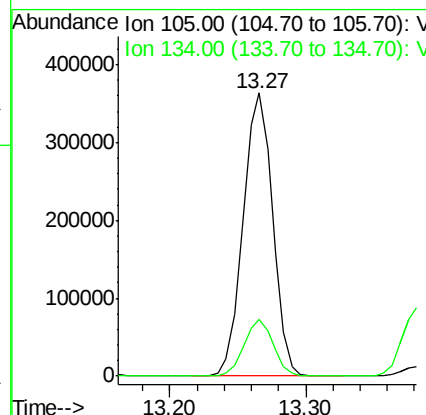
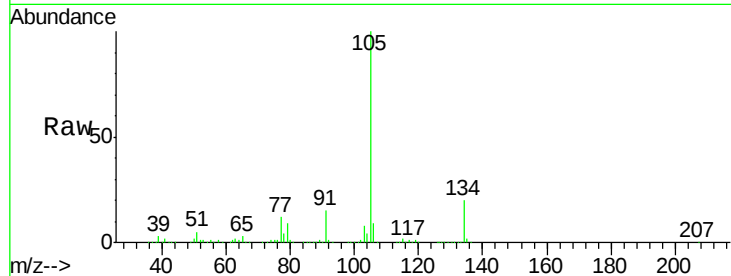
#85
 sec-Butylbenzene
 Concen: 48.281 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	29.8

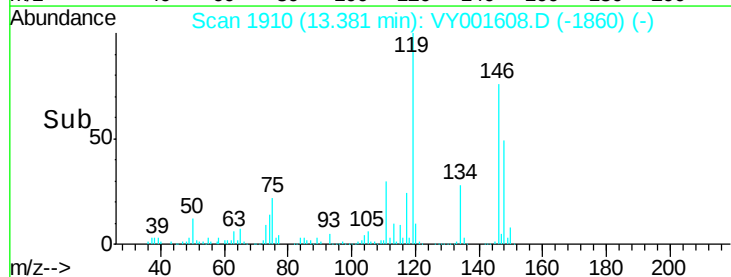
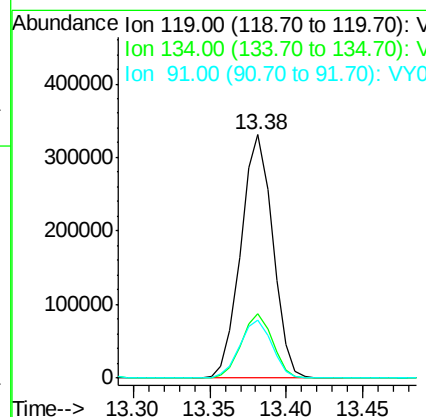
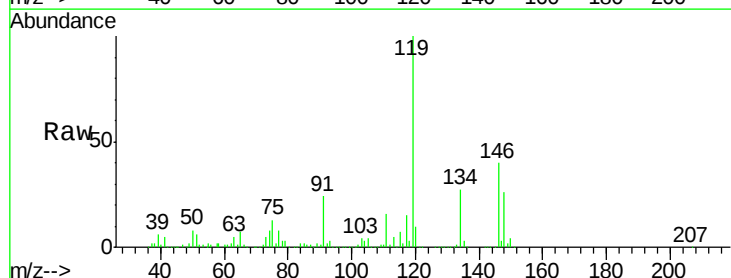
Manual Integrations
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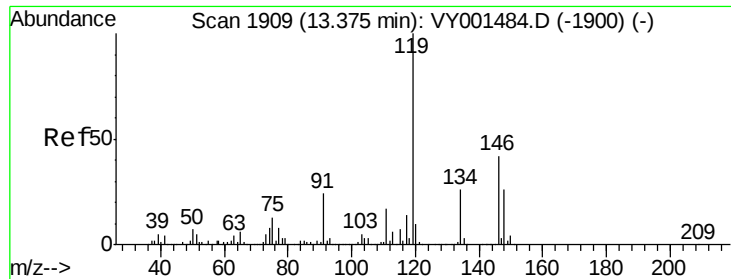
MMDadoda
 2/13/2020 12:27:49 PM



#86
 p-Isopropyltoluene
 Concen: 47.798 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.3	39.8
91	23.9	12.2	36.6





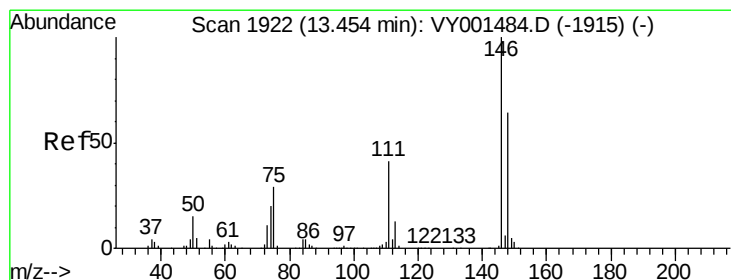
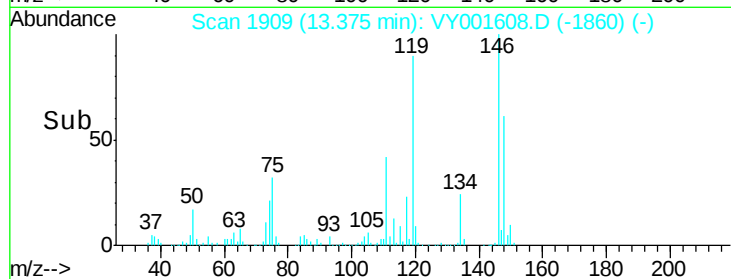
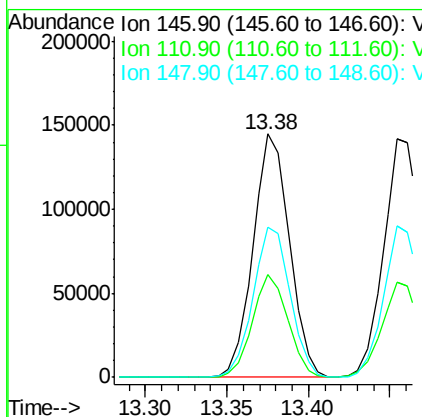
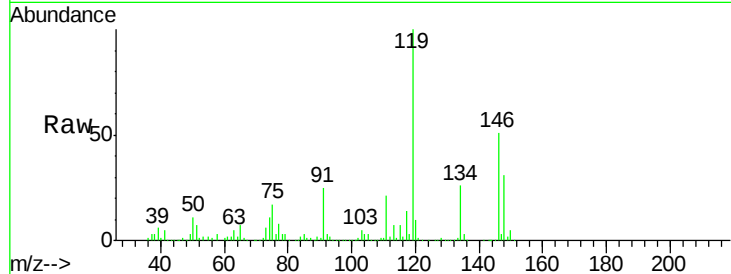
#87
 1,3-Dichlorobenzene
 Concen: 47.471 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.3	63.9
148	63.0	31.9	95.7

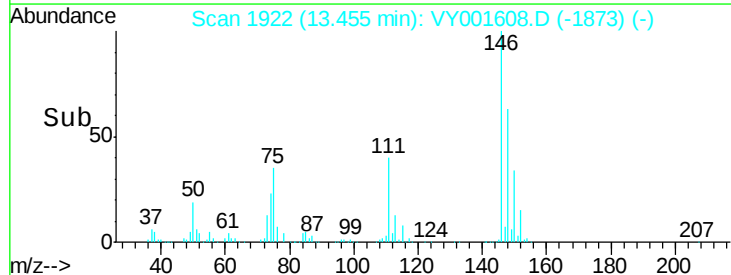
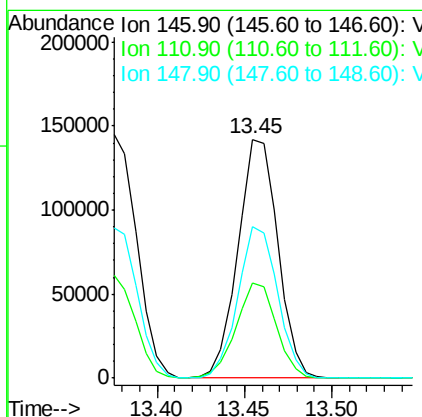
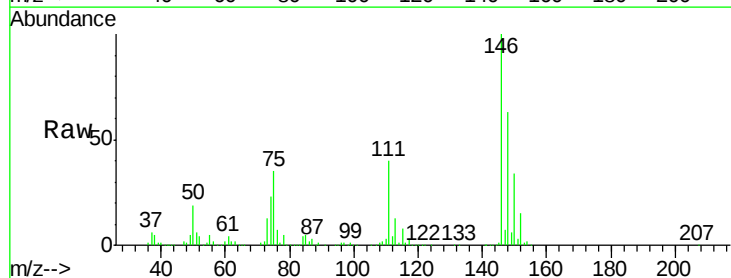
Manual Integrations
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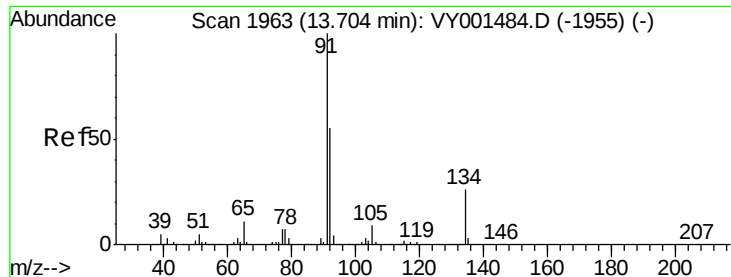
MMDadoda
 2/13/2020 12:27:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.765 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.7	62.1
148	63.1	32.1	96.5





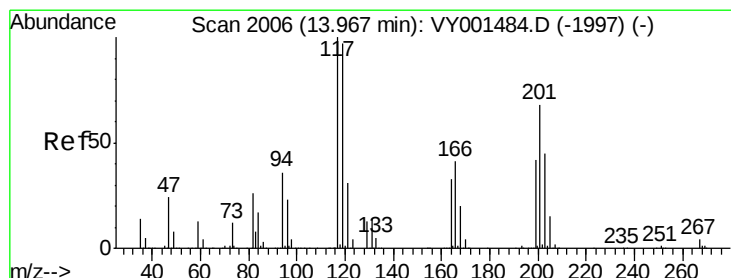
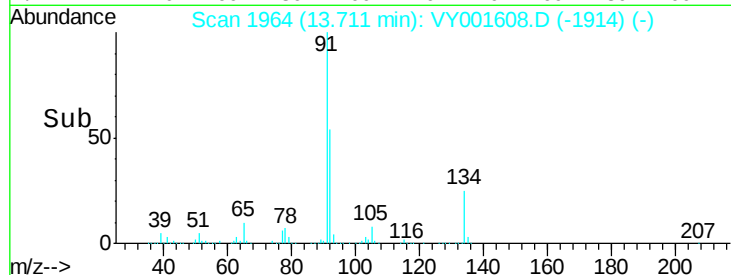
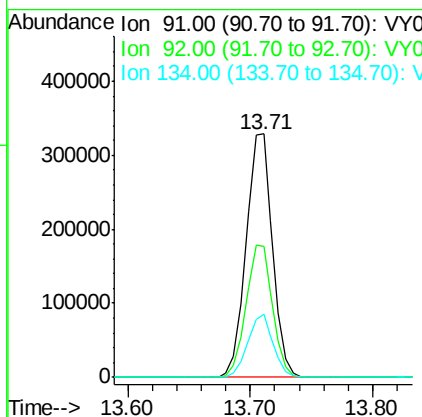
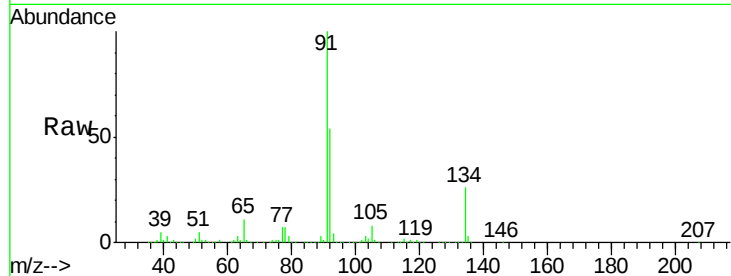
#89
n-Butylbenzene
Concen: 49.668 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	491789		
92	54.2	27.3	81.9	
134	25.1	13.0	38.9	

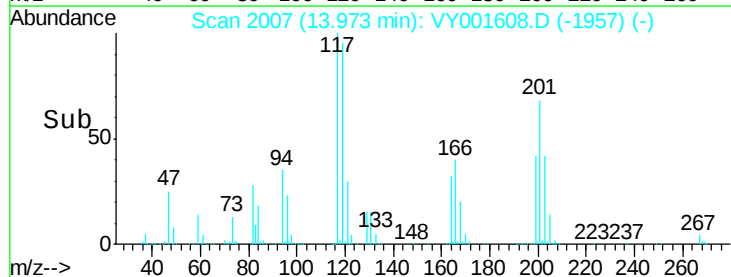
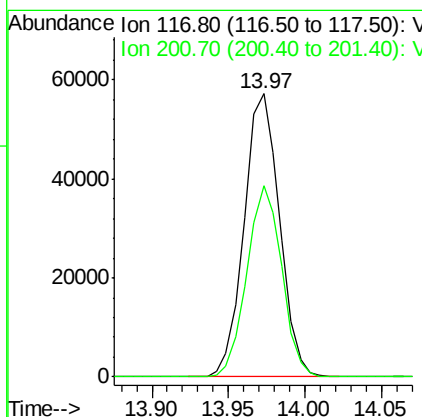
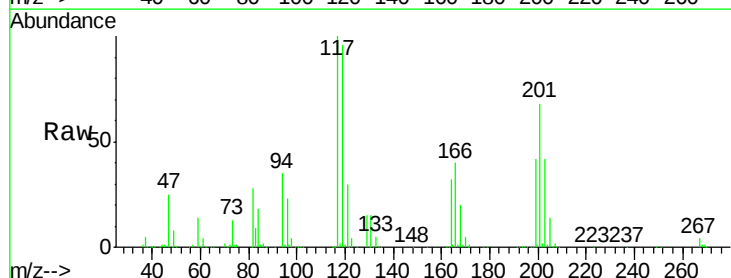
Manual Integrations
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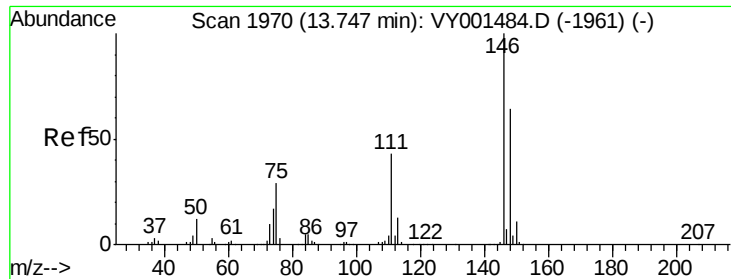
MMDadoda
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#90
Hexachloroethane
Concen: 47.853 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	92172		
201	66.4	34.1	102.3	





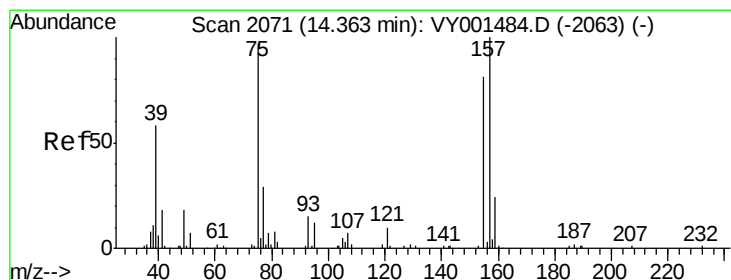
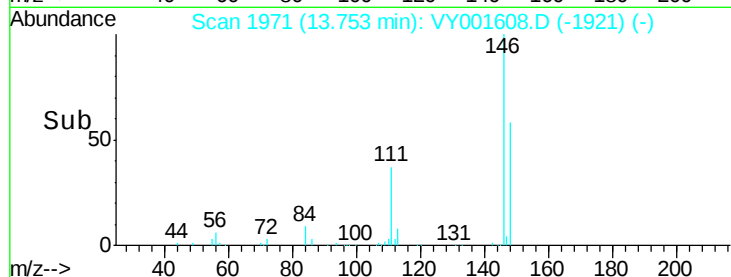
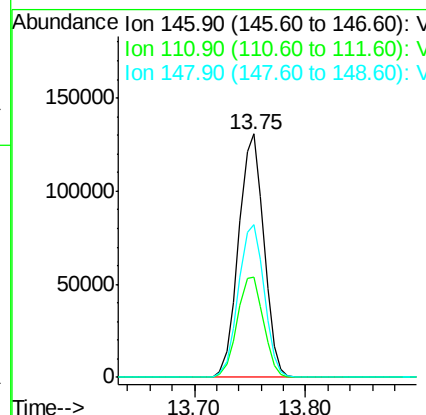
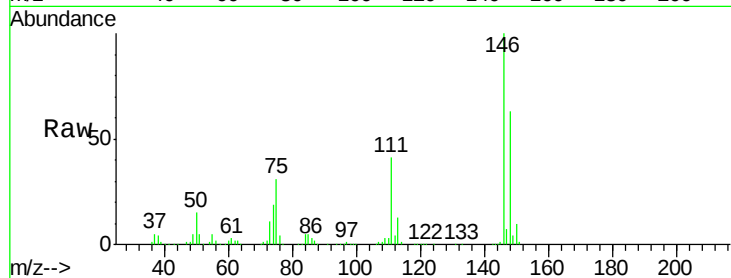
#91
 1,2-Dichlorobenzene
 Concen: 47.981 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.9	65.8
148	64.3	31.8	95.3

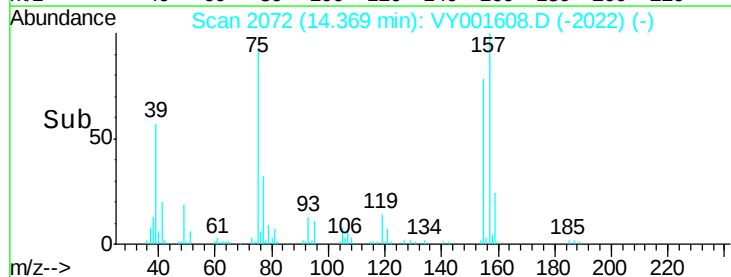
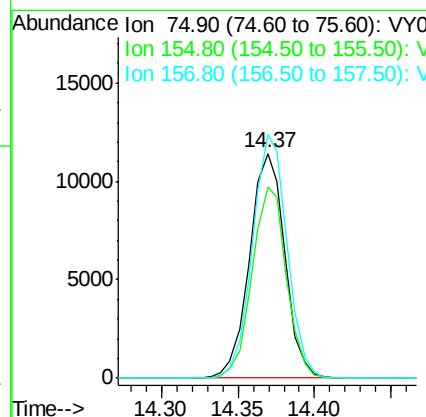
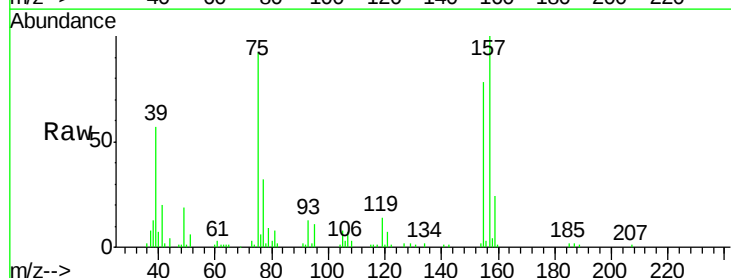
Manual Integrations
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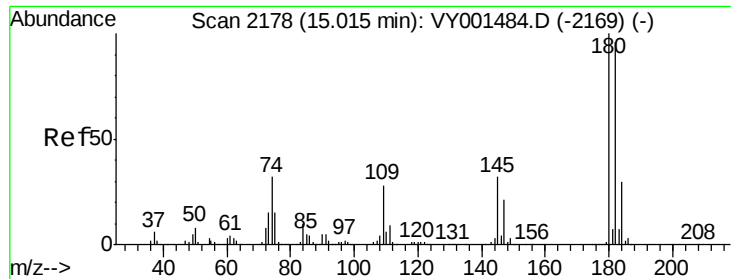
MMDadoda
 2/13/2020 12:27:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.673 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001608.D
 Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	40.7	122.1
157	106.4	52.3	157.1





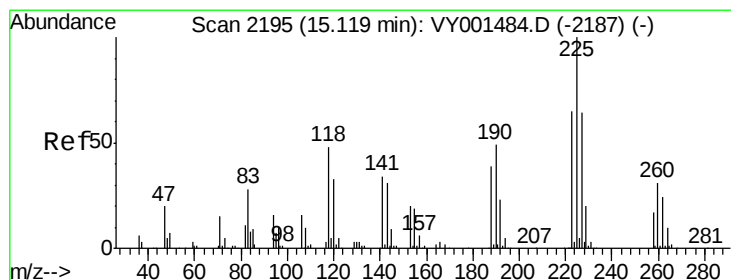
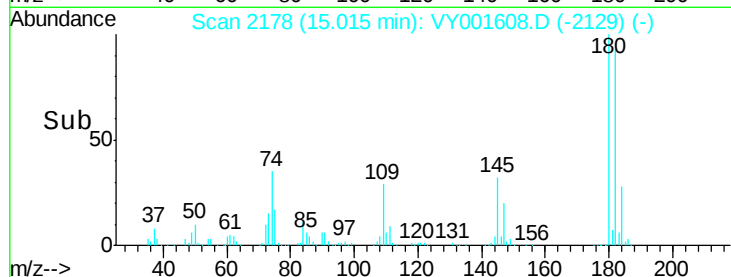
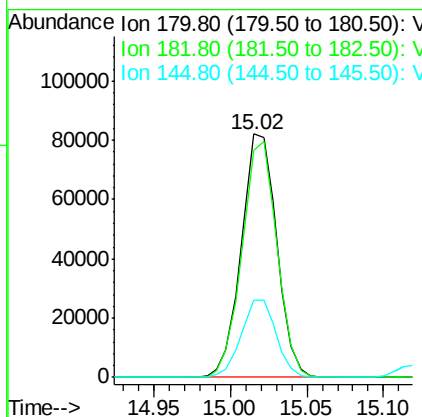
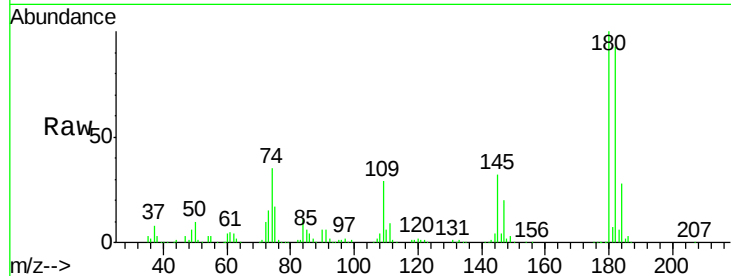
#93
1,2,4-Trichlorobenzene
Concen: 45.822 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132053		
182	95.5	46.9	140.7	
145	31.6	16.8	50.3	

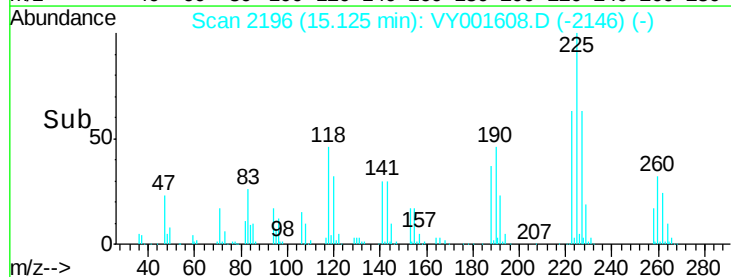
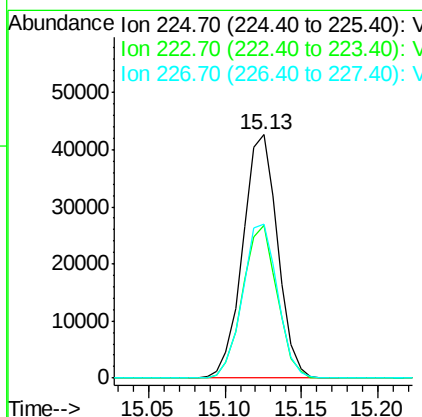
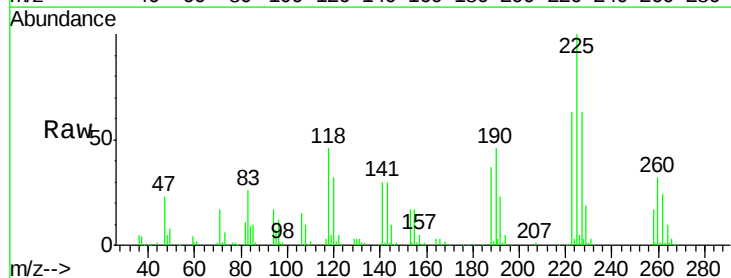
Manual Integrations
APPROVED

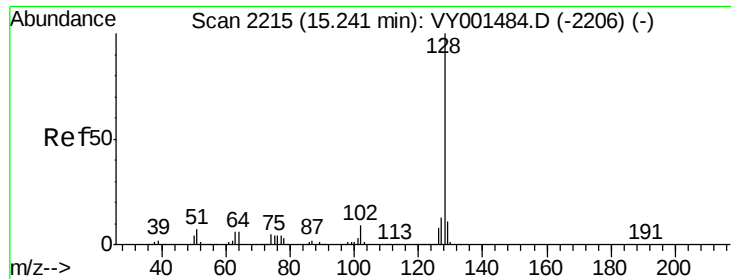
MMDadoda
2/13/2020 12:27:49 PM



#94
Hexachlorobutadiene
Concen: 46.076 ug/l
RT: 15.13 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001608.D
Acq: 12 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67392		
223	62.1	31.9	95.7	
227	63.6	32.6	97.7	





#95

Naphthalene

Concen: 45.961 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Instrument :

MSVOA_Y

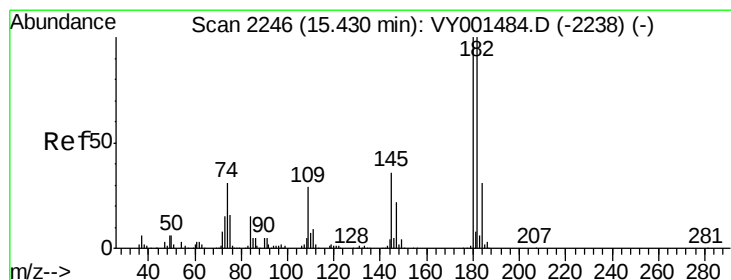
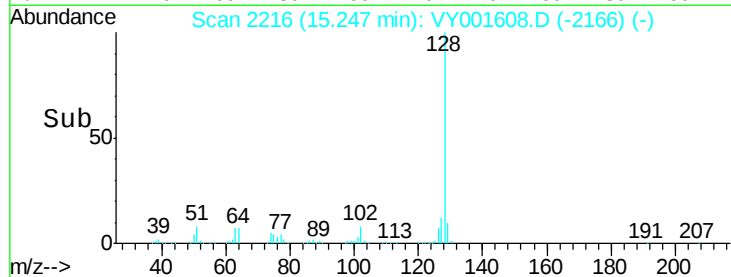
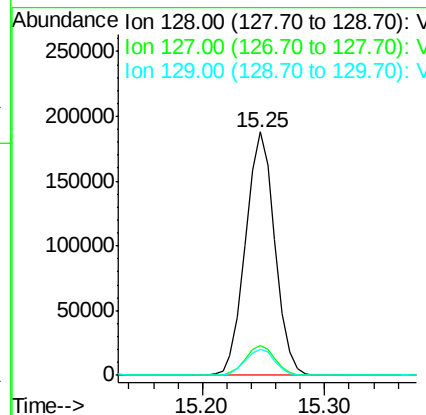
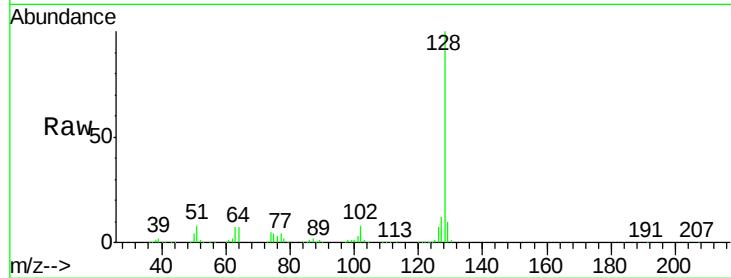
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	311292
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.1	15.1
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/13/2020 12:27:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 46.245 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY001608.D

Acq: 12 Feb 2020 11:15

Tgt Ion:	180	Resp:	117642
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.0	144.2
145	33.9	17.8	53.5

