

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\
 Data File : VY001987.D
 Acq On : 16 Mar 2020 17:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:06:24 PM

Quant Time: Mar 17 08:58:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	156890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	284485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	115623	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	86290	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.75	113	81400	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.19	98	330919	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.49	95	115112	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	62292	43.013	ug/l	100
3) Chloromethane	2.13	50	89929	46.058	ug/l	98
4) Vinyl Chloride	2.27	62	93594	47.126	ug/l	99
5) Bromomethane	2.67	94	63222	55.099	ug/l	96
6) Chloroethane	2.82	64	61126	48.996	ug/l	90
7) Trichlorofluoromethane	3.15	101	130146	48.319	ug/l	98
8) Diethyl Ether	3.56	74	54900	51.716	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	86121	49.712	ug/l	99
10) Methyl Iodide	4.13	142	98471	49.152	ug/l	99
11) Tert butyl alcohol	4.99	59	52004	303.163	ug/l	100
12) 1,1-Dichloroethene	3.90	96	85898	49.244	ug/l	98
13) Acrolein	3.76	56	56043	238.112	ug/l	98
14) Allyl chloride	4.52	41	159435	51.557	ug/l	99
15) Acrylonitrile	5.21	53	152092	268.114	ug/l	99
16) Acetone	3.98	43	125397	257.049	ug/l	92
17) Carbon Disulfide	4.23	76	268786	45.838	ug/l	100
18) Methyl Acetate	4.52	43	67744	54.046	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	251696	53.246	ug/l	97
20) Methylene Chloride	4.75	84	104774	50.113	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	98836	49.920	ug/l	96
22) Diisopropyl ether	6.16	45	334954	52.842	ug/l	95
23) Vinyl Acetate	6.10	43	1113023	267.842	ug/l	98
24) 1,1-Dichloroethane	6.05	63	176372	51.380	ug/l	97
25) 2-Butanone	7.02	43	197735	266.539	ug/l	99
26) 2,2-Dichloropropane	7.02	77	145010	51.469	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	112352	52.168	ug/l	99
28) Bromochloromethane	7.36	49	80554	52.063	ug/l	100
29) Tetrahydrofuran	7.38	42	132488	268.933	ug/l	99
30) Chloroform	7.53	83	168660	52.296	ug/l	99
31) Cyclohexane	7.81	56	174548	47.424	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	142112	52.281	ug/l	98
36) 1,1-Dichloropropene	7.94	75	138575	50.619	ug/l	99
37) Ethyl Acetate	7.11	43	87235	54.827	ug/l	99
38) Carbon Tetrachloride	7.92	117	120102	51.356	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	180281	49.651	ug/l	98
40) Benzene	8.19	78	414900	51.132	ug/l	99
41) Methacrylonitrile	7.35	41	48307m	67.462	ug/l	
42) 1,2-Dichloroethane	8.26	62	110201	52.705	ug/l	100
43) Isopropyl Acetate	8.30	43	162301	53.878	ug/l	99
44) Trichloroethene	8.96	130	100295	50.752	ug/l	98
45) 1,2-Dichloropropane	9.24	63	108398	53.142	ug/l	99
46) Dibromomethane	9.32	93	54792	52.126	ug/l	99
47) Bromodichloromethane	9.52	83	132355	54.129	ug/l	100
48) Methyl methacrylate	9.31	41	73718	55.150	ug/l	97
49) 1,4-Dioxane	9.31	88	15105	1048.712	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	433893	279.642	ug/l	100
52) Toluene	10.26	92	253598	51.447	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	143047	53.697	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	167219	52.728	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	82116	53.379	ug/l	96
56) Ethyl methacrylate	10.52	69	122942	54.524	ug/l	99
57) 1,3-Dichloropropane	10.80	76	145059	52.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	201881	257.017	ug/l	99
59) 2-Hexanone	10.85	43	294184	265.638	ug/l	100
60) Dibromochloromethane	11.00	129	87053	53.703	ug/l	99
61) 1,2-Dibromoethane	11.10	107	77749	53.355	ug/l	99
64) Tetrachloroethene	10.73	164	81535	50.454	ug/l	95
65) Chlorobenzene	11.53	112	260127	50.661	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	88707	52.682	ug/l	99
67) Ethyl Benzene	11.61	91	489075	51.073	ug/l	98
68) m/p-Xylenes	11.72	106	359524	101.550	ug/l	100
69) o-Xylene	12.04	106	168916	50.621	ug/l	100
70) Styrene	12.05	104	296801	51.932	ug/l	100
71) Bromoform	12.22	173	50079	54.842	ug/l #	99
73) Isopropylbenzene	12.34	105	457678	51.854	ug/l	100
74) N-amyl acetate	12.16	43	141596	52.197	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	103173	54.205	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	72095m	52.550	ug/l	
77) Bromobenzene	12.62	156	98461	52.652	ug/l	98
78) n-propylbenzene	12.68	91	557600	51.207	ug/l	100
79) 2-Chlorotoluene	12.77	91	310445	51.603	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	373538	51.407	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	37604	55.365	ug/l	97
82) 4-Chlorotoluene	12.86	91	321325	51.298	ug/l	100
83) tert-Butylbenzene	13.09	119	317921	52.678	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	371392	51.503	ug/l	99
85) sec-Butylbenzene	13.27	105	458247	51.513	ug/l	100
86) p-Isopropyltoluene	13.38	119	391155	50.973	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	186692	50.946	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	184652	49.670	ug/l	98
89) n-Butylbenzene	13.71	91	393916	49.478	ug/l	99
90) Hexachloroethane	13.97	117	74977	51.792	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	169552	50.930	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	14793	49.806	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	101275	46.908	ug/l	97
94) Hexachlorobutadiene	15.12	225	51274	48.712	ug/l	98
95) Naphthalene	15.25	128	248346	48.495	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	90009	47.325	ug/l	100

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

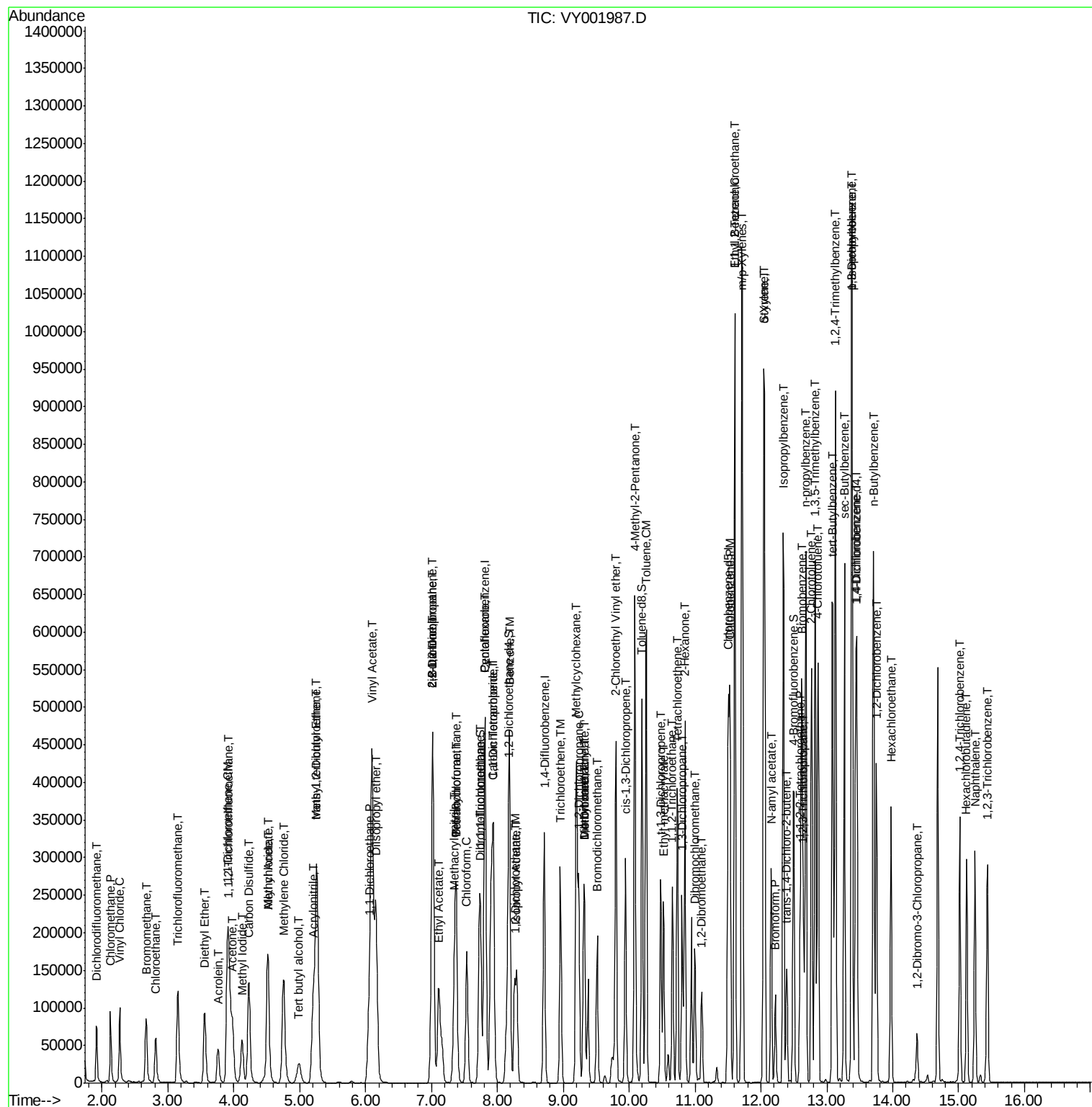
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\
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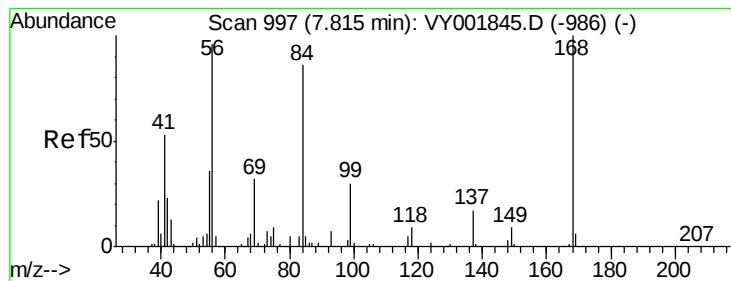
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 156890

Ion Ratio Lower Upper

168 100

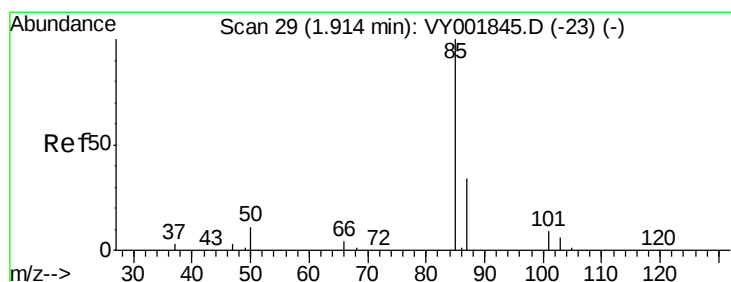
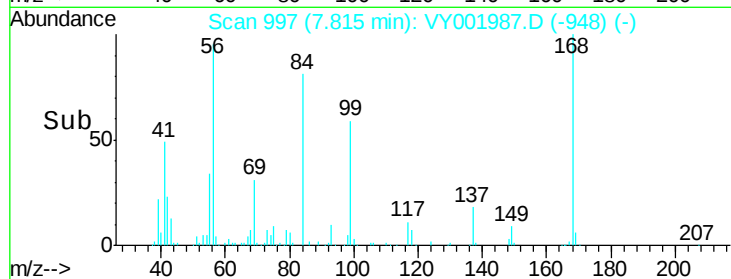
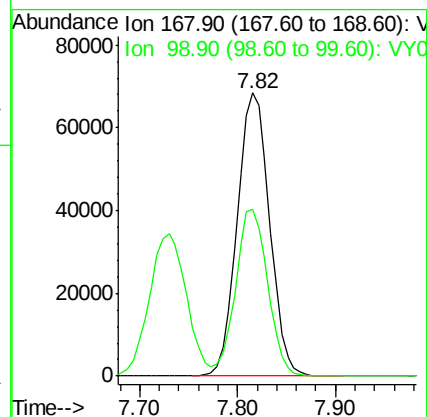
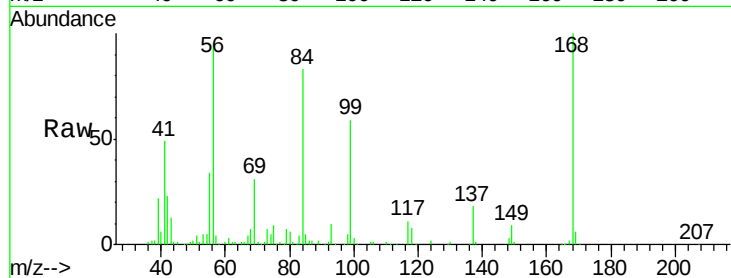
99 59.0 46.7 70.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 43.013 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001987.D

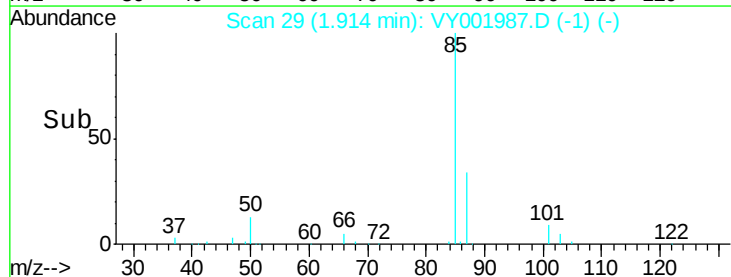
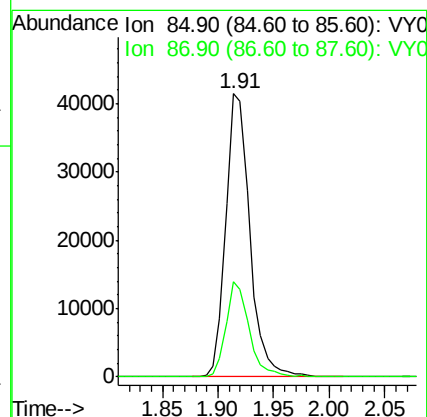
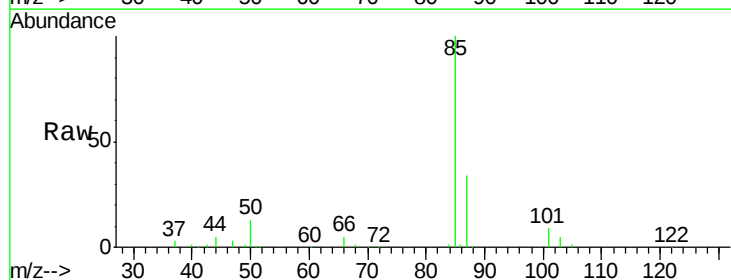
Acq: 16 Mar 2020 17:04

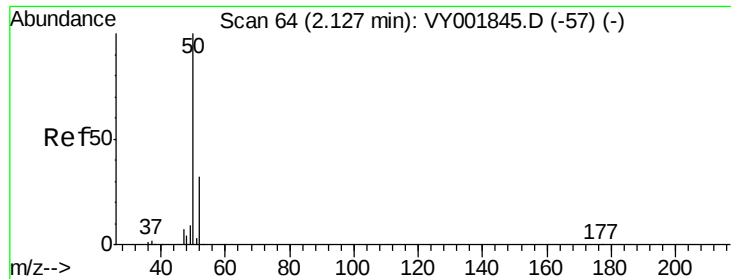
Tgt Ion: 85 Resp: 62292

Ion Ratio Lower Upper

85 100

87 33.6 16.8 50.4





#3

Chloromethane

Concen: 46.058 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 89929

Ion Ratio Lower Upper

50 100

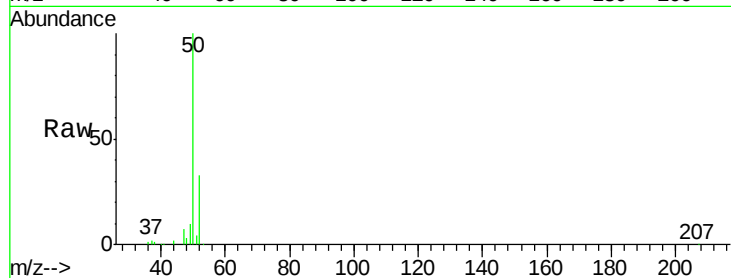
52 33.2 25.8 38.6

Manual Integrations

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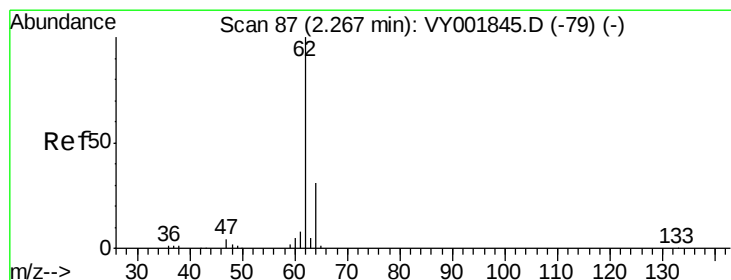
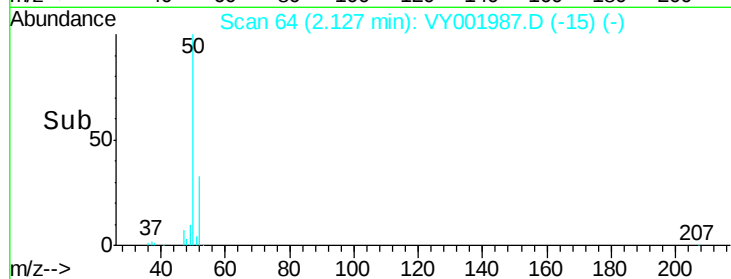
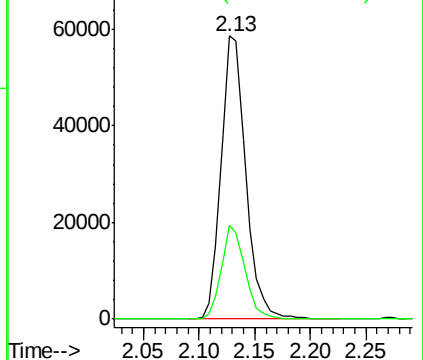
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 47.126 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001987.D

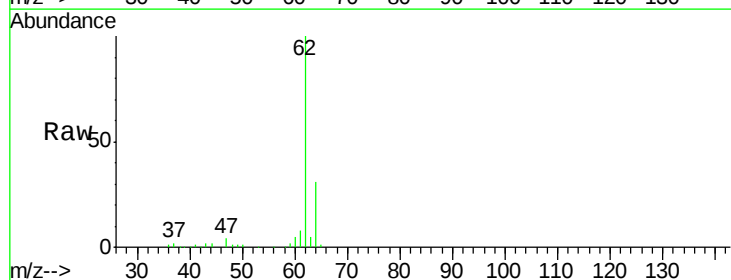
Acq: 16 Mar 2020 17:04

Tgt Ion: 62 Resp: 93594

Ion Ratio Lower Upper

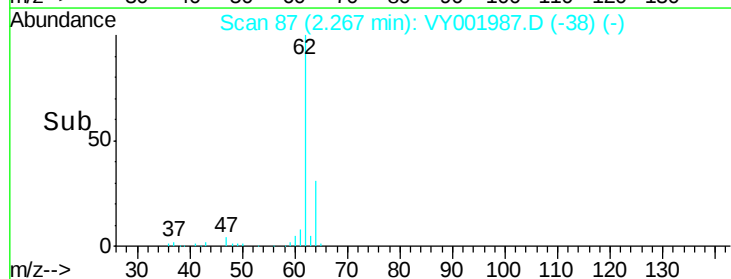
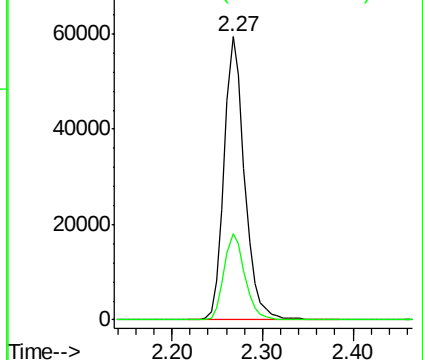
62 100

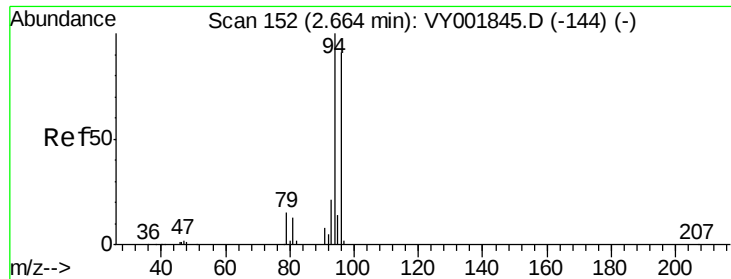
64 30.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 55.099 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 63222

Ion Ratio Lower Upper

94 100

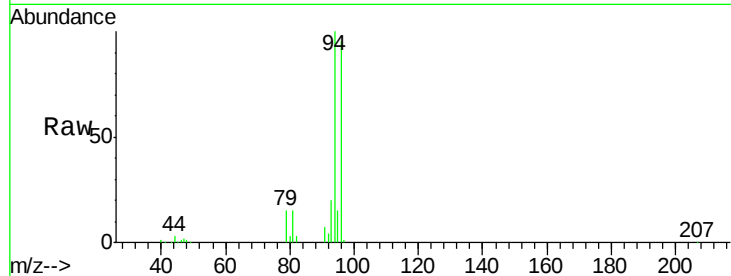
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Manual Integrations

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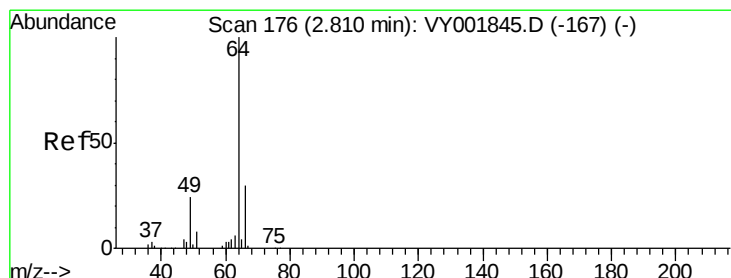
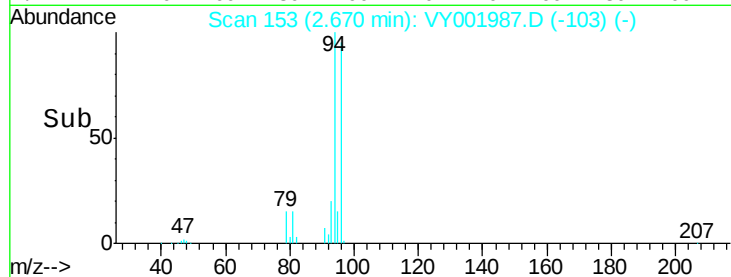
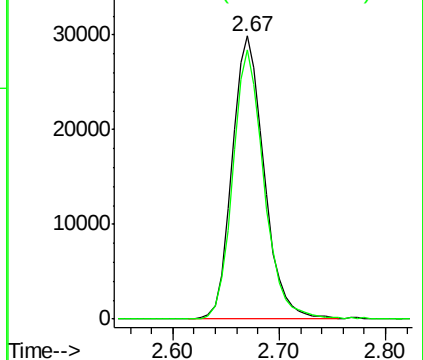
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 48.996 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001987.D

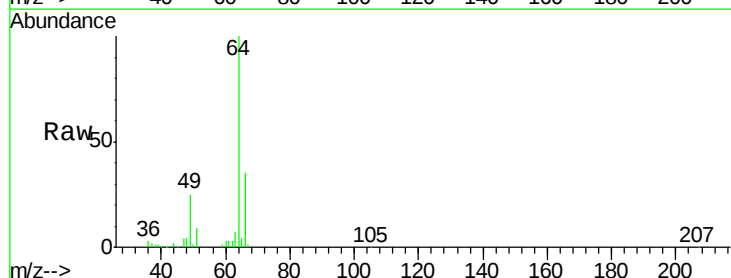
Acq: 16 Mar 2020 17:04

Tgt Ion: 64 Resp: 61126

Ion Ratio Lower Upper

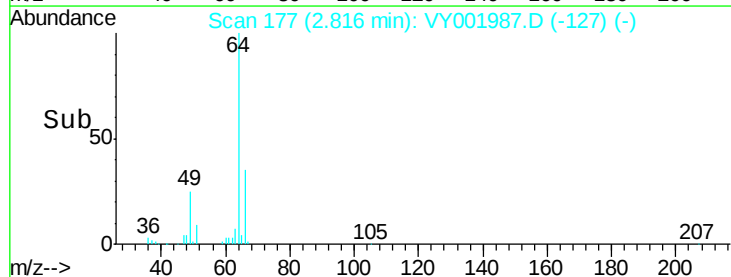
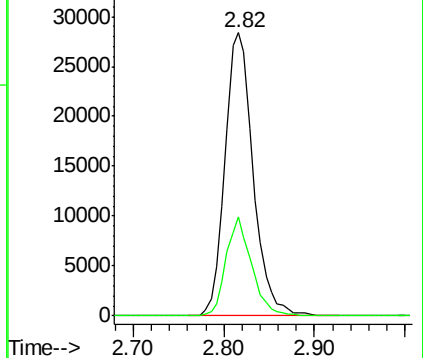
64 100

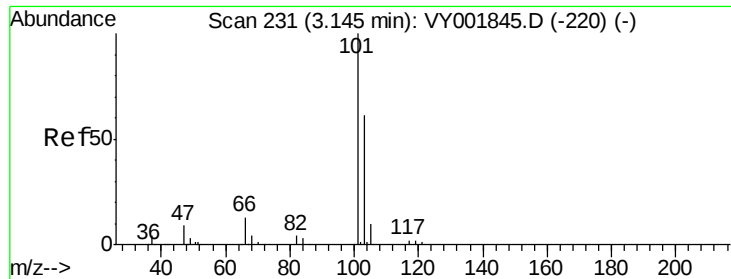
66 35.0 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

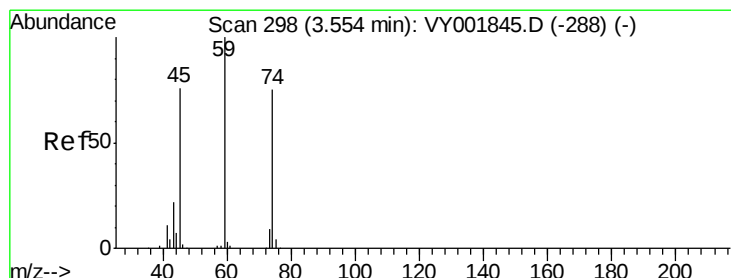
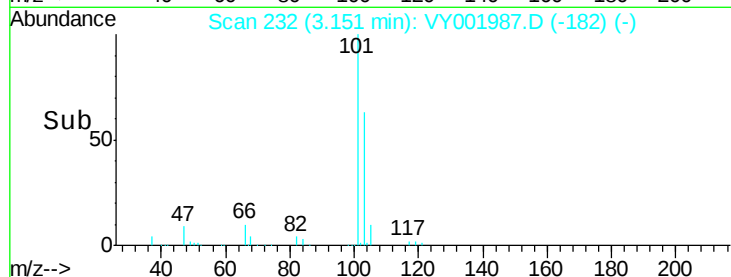
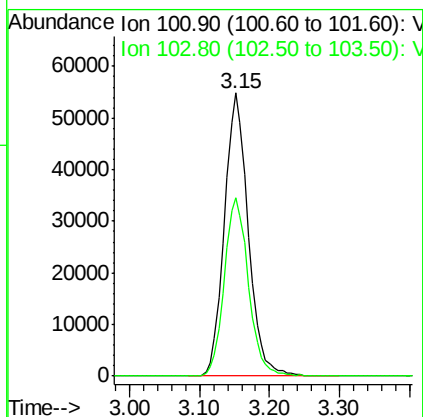
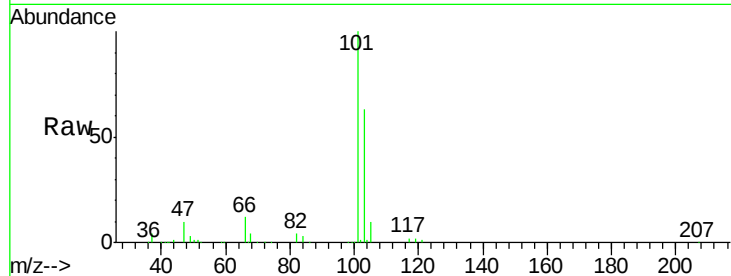
Trichlorofluoromethane
Concen: 48.319 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	49.1	73.7

Manual Integrations
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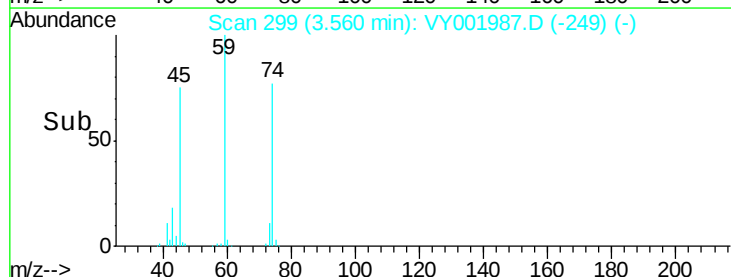
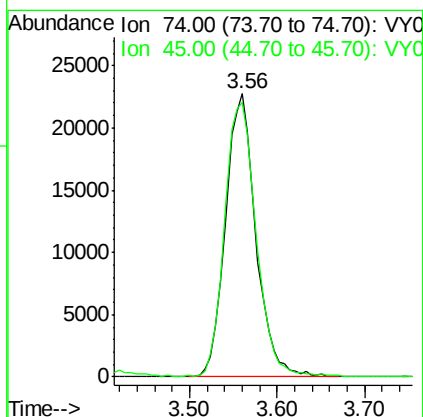
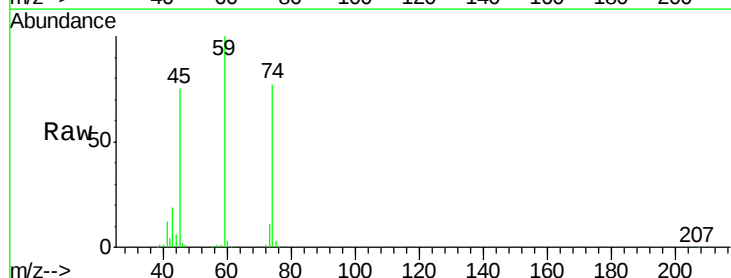
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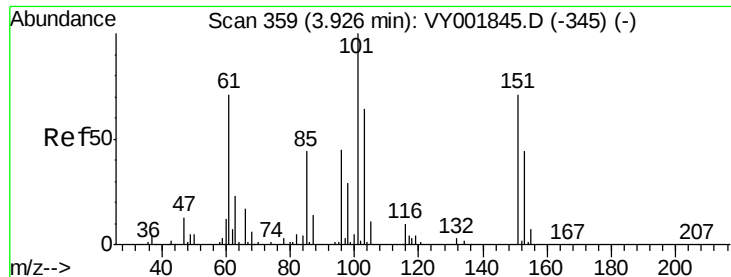


#8

Diethyl Ether
Concen: 51.716 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.712 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

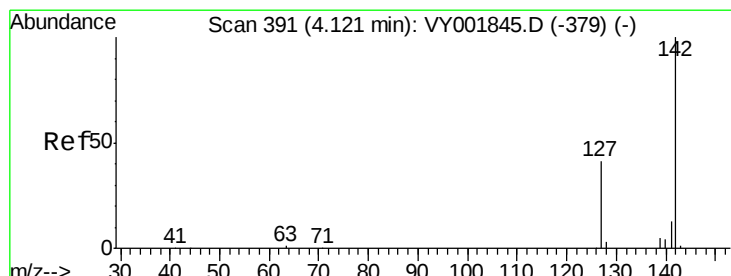
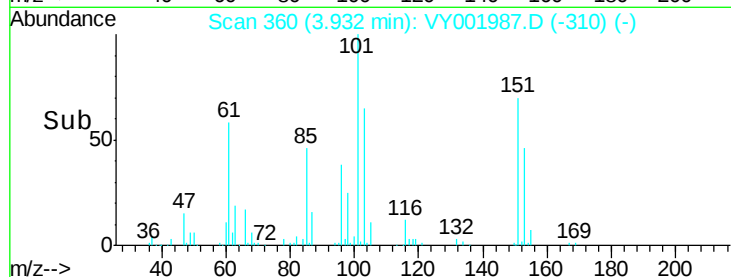
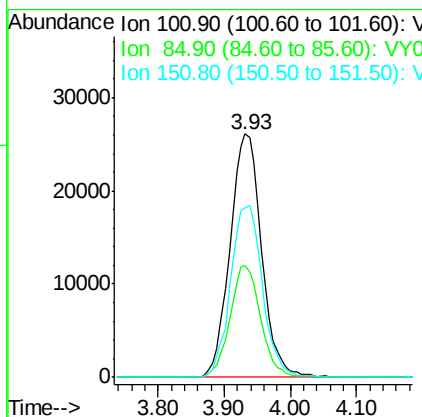
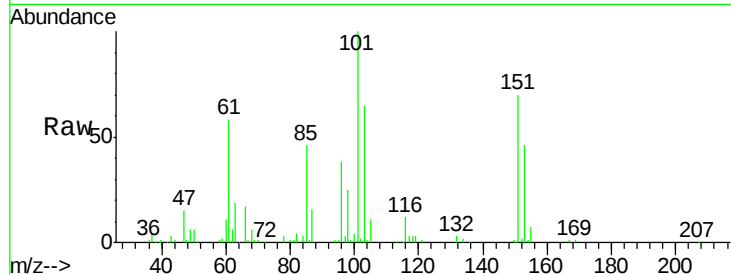
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	86121
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.3	52.9
151	71.4	57.0	85.4

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#10

Methyl Iodide

Concen: 49.152 ug/l

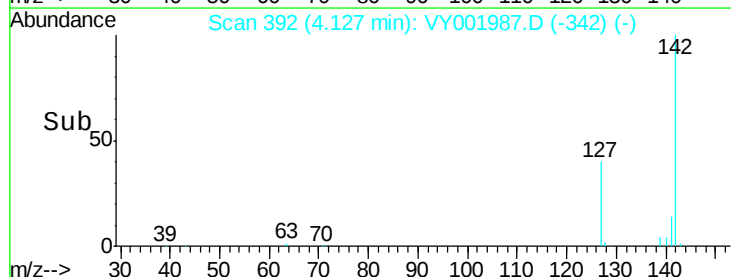
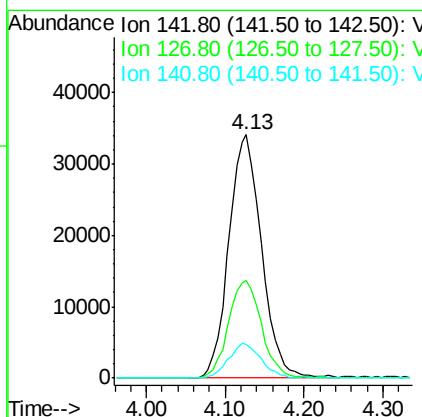
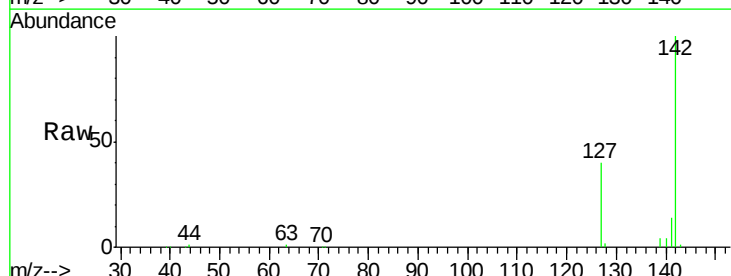
RT: 4.13 min Scan# 392

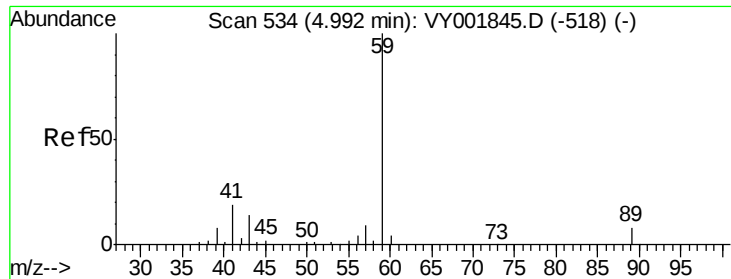
Delta R.T. 0.01 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Tgt Ion:	142	Resp:	98471
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.7	49.1
141	14.3	11.0	16.6





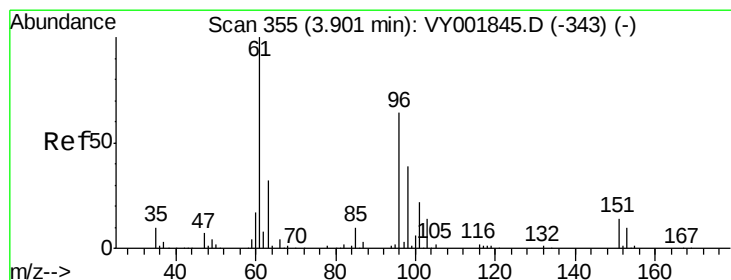
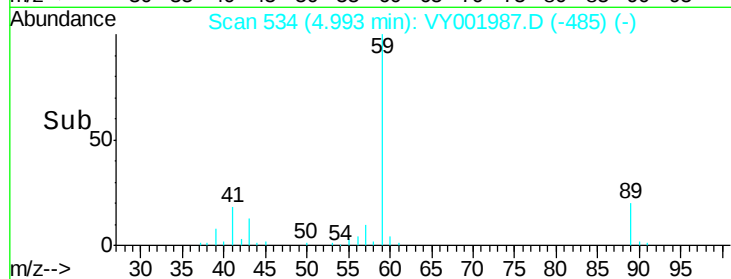
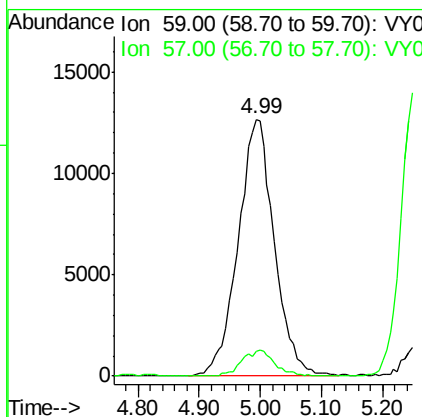
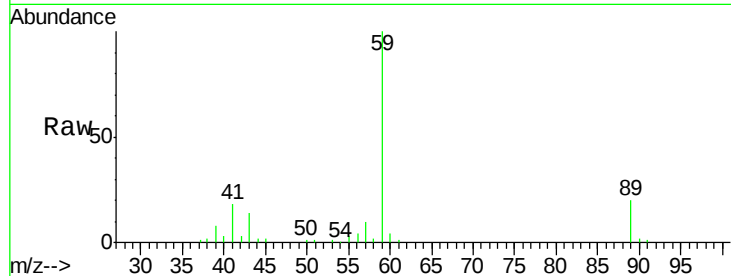
#11
Tert butyl alcohol
Concen: 303.163 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 52004
Ion Ratio Lower Upper
59 100
57 9.1 7.4 11.2

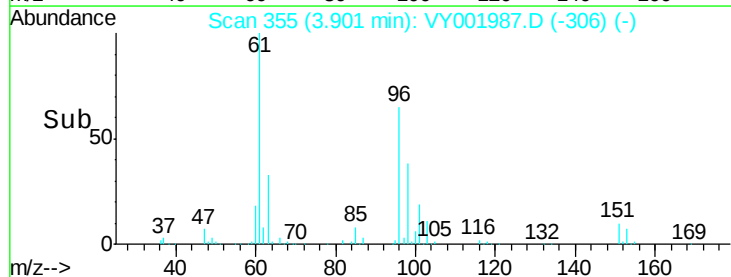
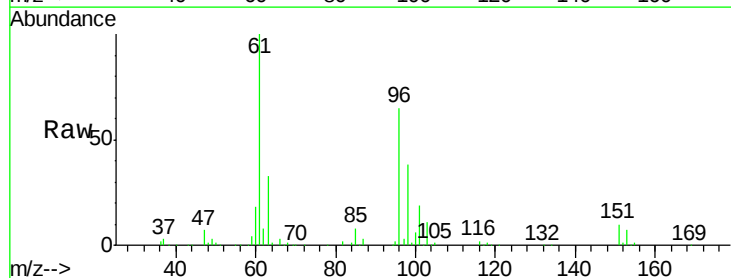
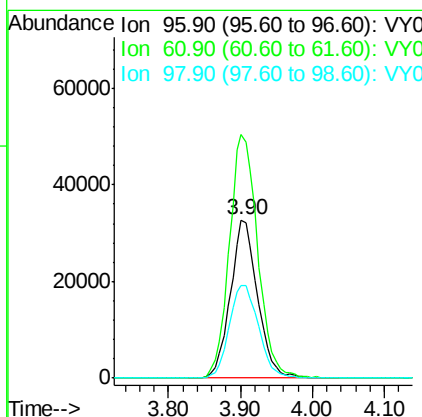
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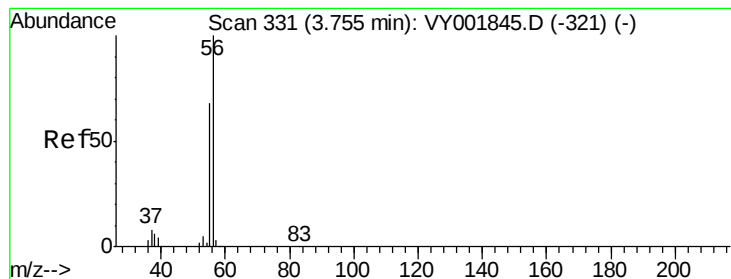
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.244 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion: 96 Resp: 85898
Ion Ratio Lower Upper
96 100
61 154.2 124.8 187.2
98 58.9 49.2 73.8





#13

Acrolein

Concen: 238.112 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 56043

Ion Ratio Lower Upper

56 100

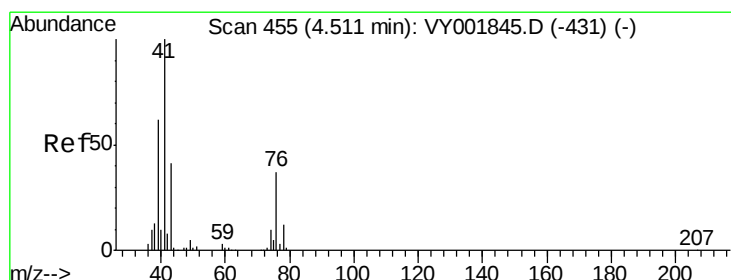
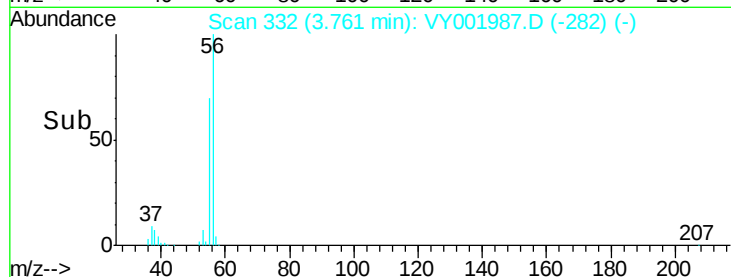
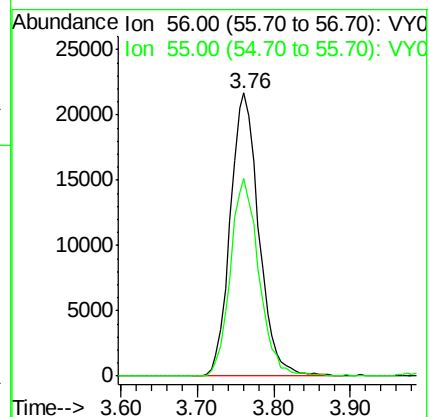
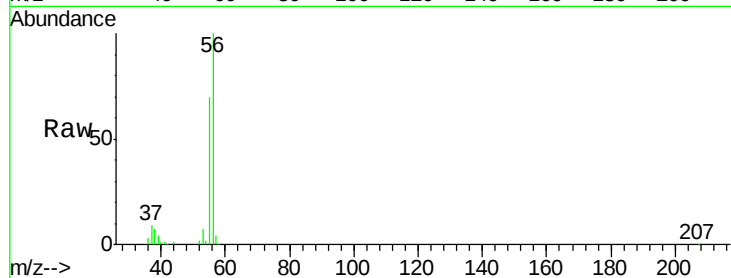
55 69.5 54.0 81.0

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#14

Allyl chloride

Concen: 51.557 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

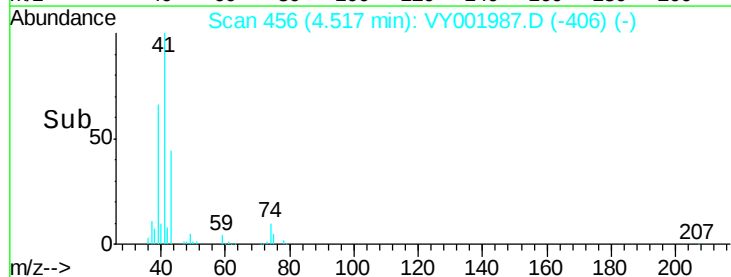
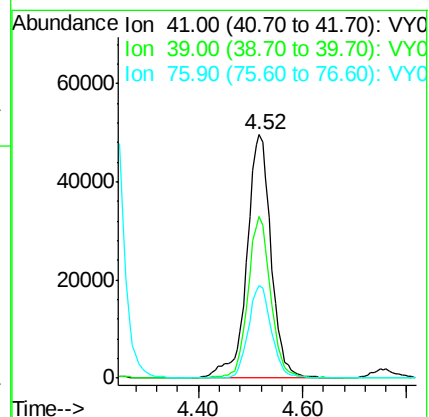
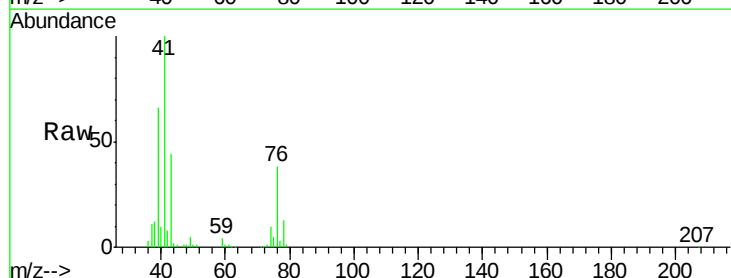
Tgt Ion: 41 Resp: 159435

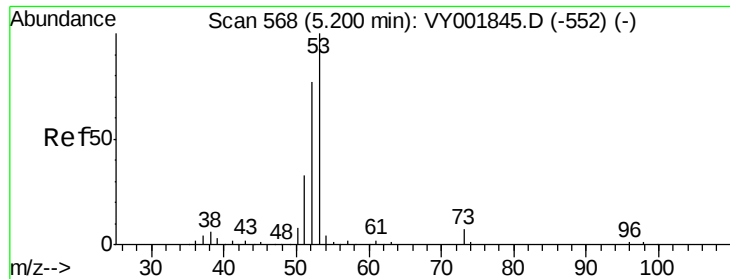
Ion Ratio Lower Upper

41 100

39 62.0 49.0 73.6

76 35.8 28.9 43.3





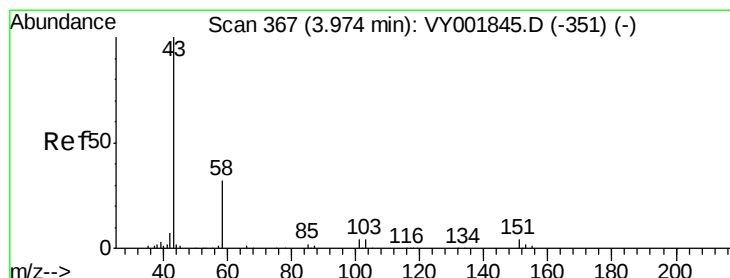
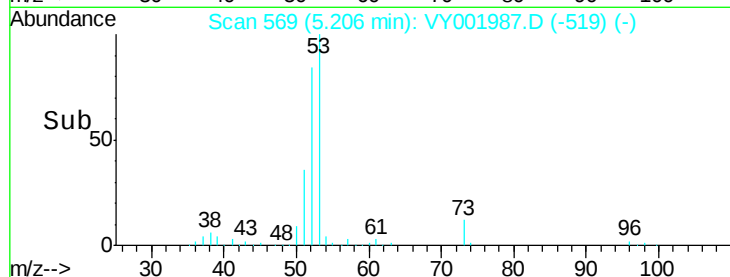
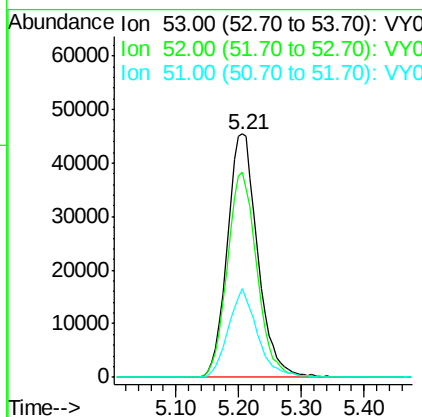
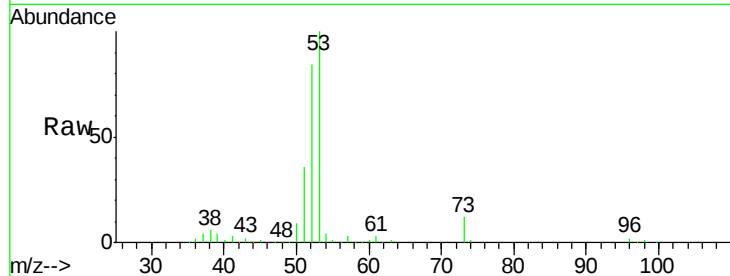
#15
 Acrylonitrile
 Concen: 268.114 ug/l
 RT: 5.21 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	152092
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.1	97.7
51	34.8	27.5	41.3

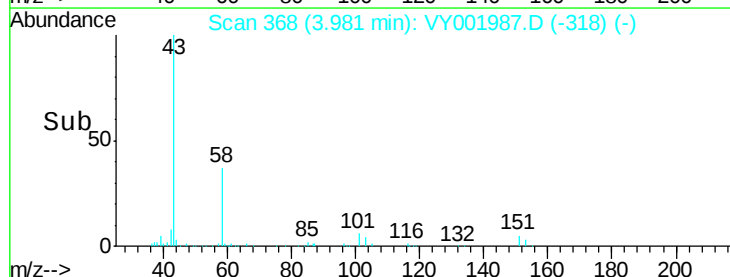
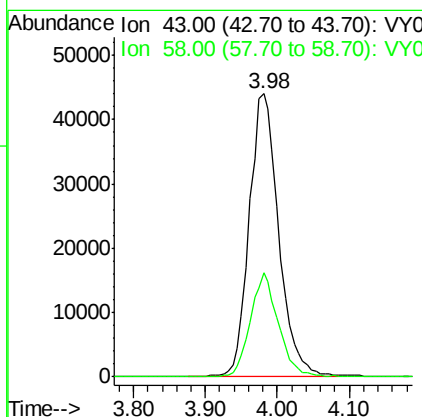
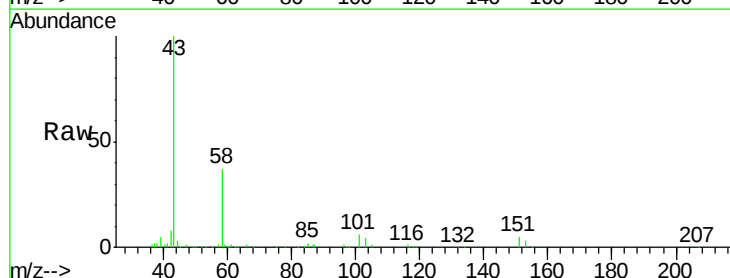
Manual Integrations
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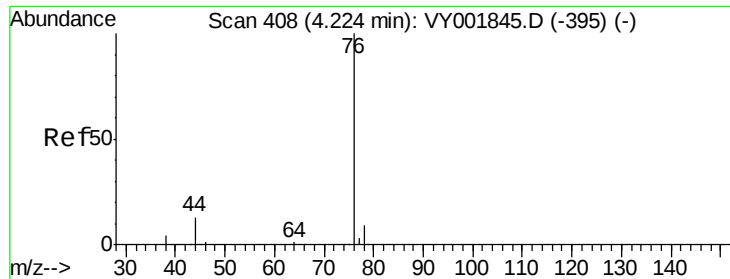
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#16
 Acetone
 Concen: 257.049 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion:	43	Resp:	125397
Ion	Ratio	Lower	Upper
43	100		
58	36.9	25.9	38.9





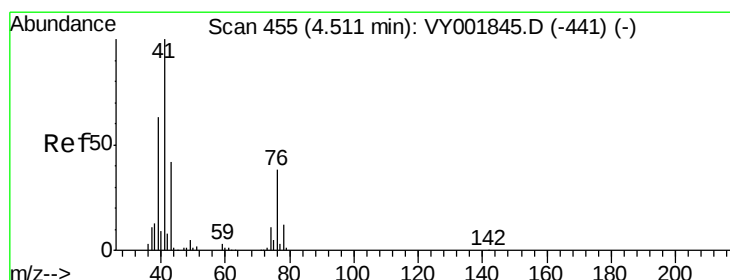
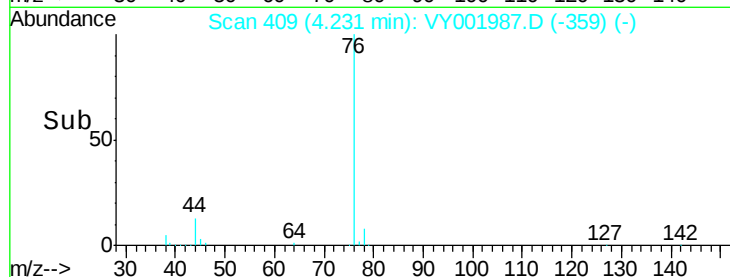
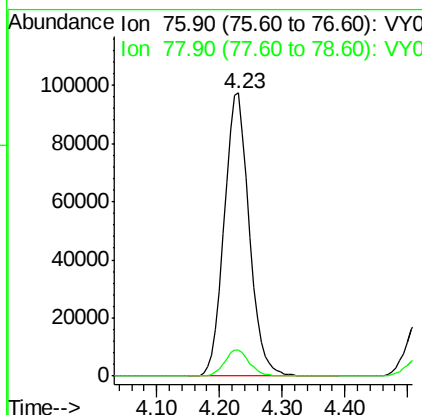
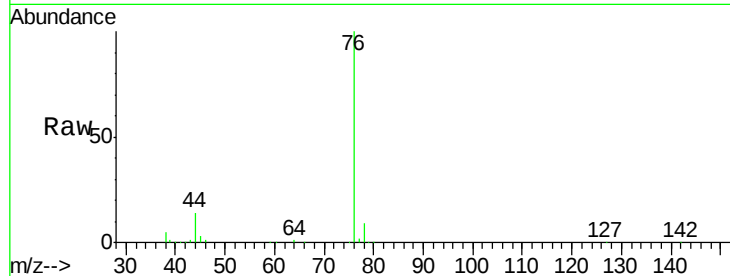
#17
Carbon Disulfide
Concen: 45.838 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

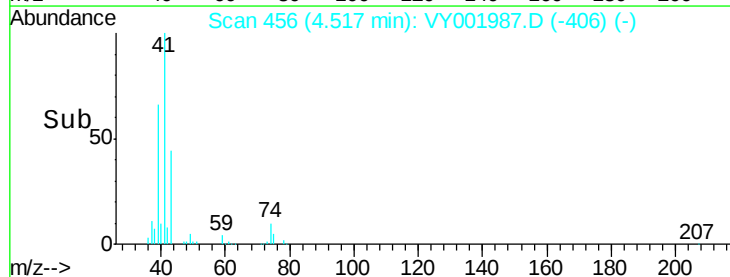
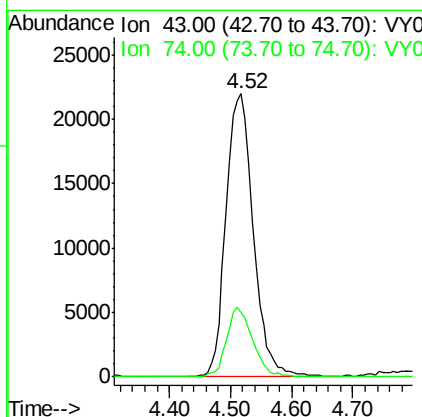
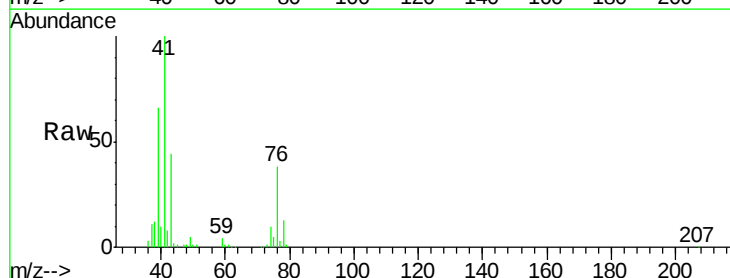
Manual Integrations
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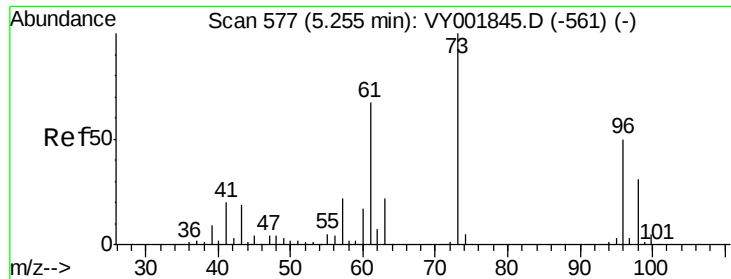
MMDadoda
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#18
Methyl Acetate
Concen: 54.046 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.0	28.6





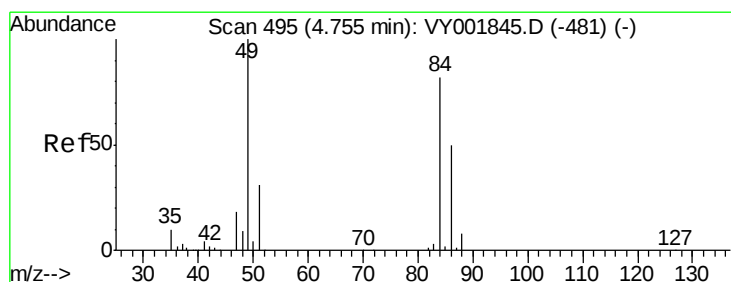
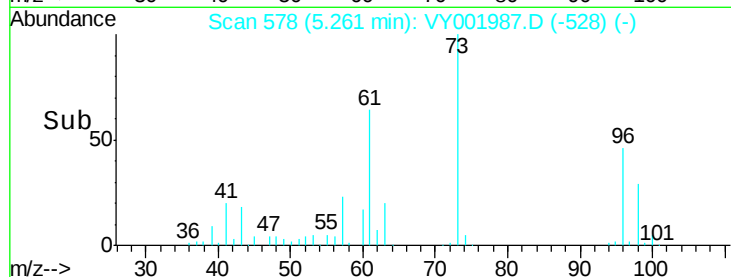
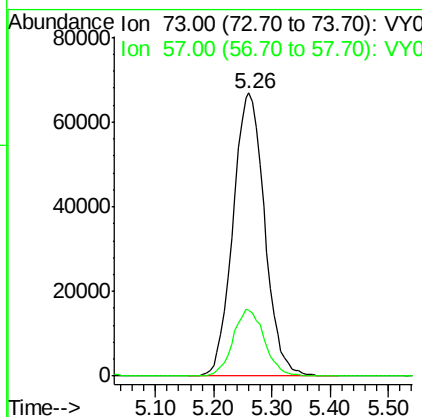
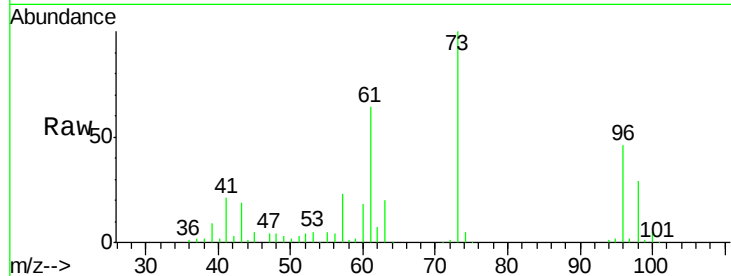
#19
Methvl tert-butvl Ether
Concen: 53.246 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 251696
Ion Ratio Lower Upper
73 100
57 23.4 17.4 26.2

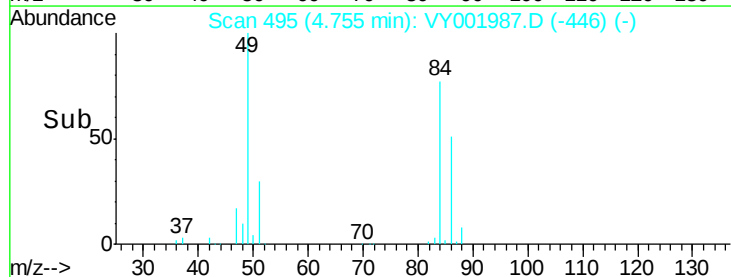
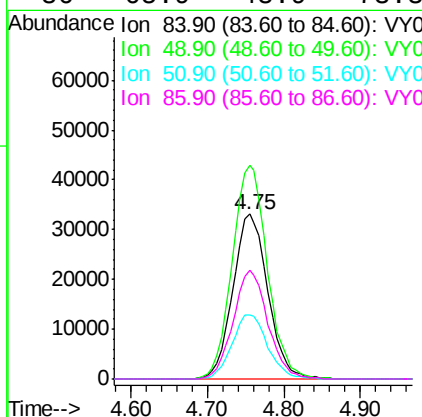
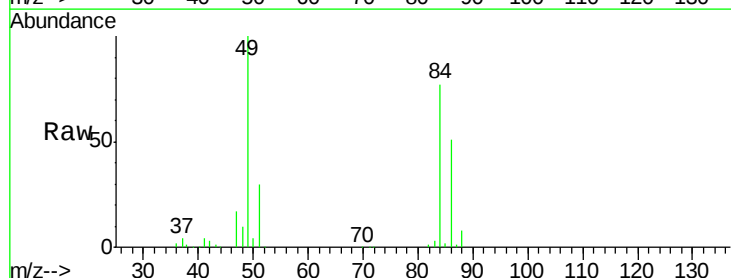
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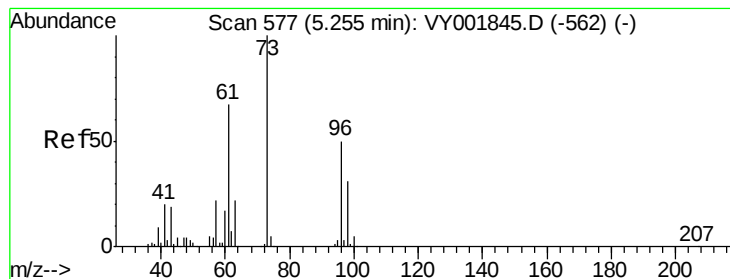
MMDadoda
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#20
Methylene Chloride
Concen: 50.113 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion: 84 Resp: 104774
Ion Ratio Lower Upper
84 100
49 129.8 98.2 147.2
51 38.6 30.2 45.2
86 65.9 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 49.920 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

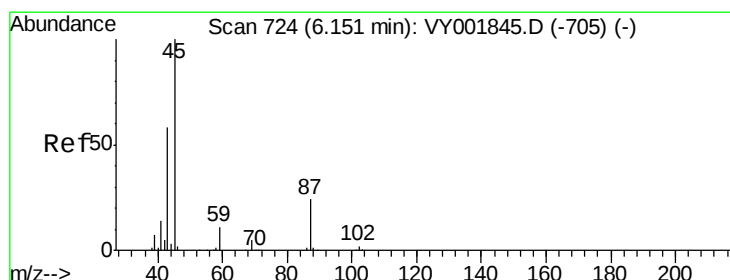
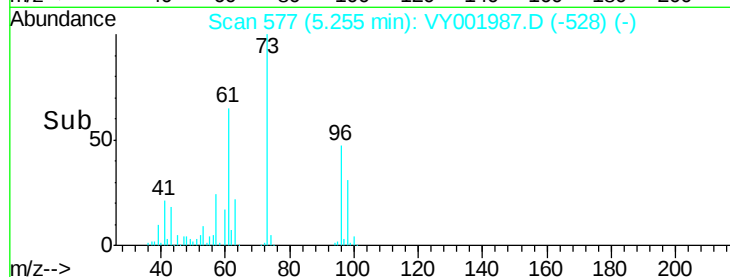
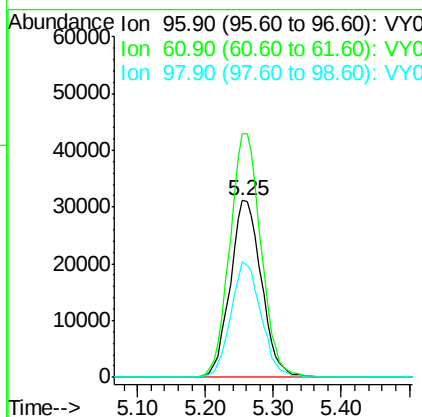
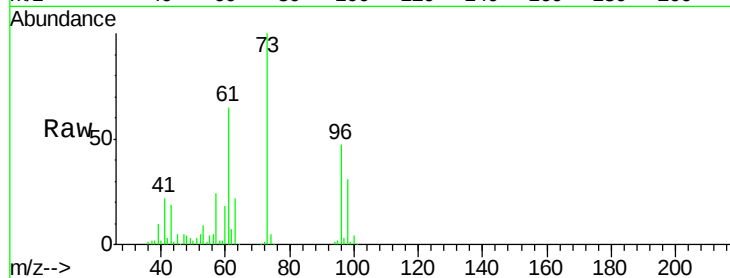
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	98836
Ion	Ratio	Lower	Upper
96	100		
61	138.0	107.7	161.5
98	65.4	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.842 ug/l

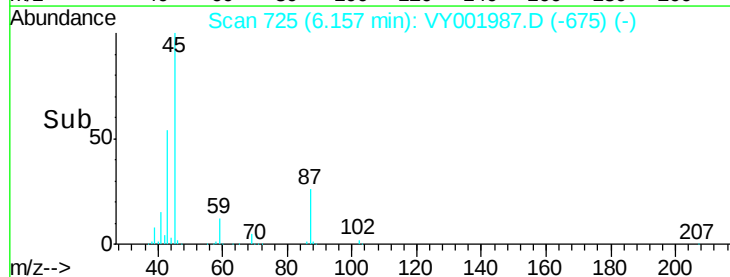
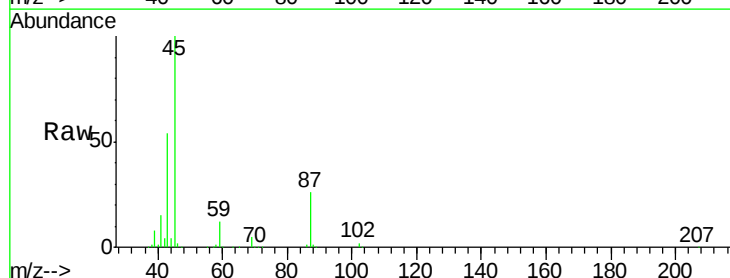
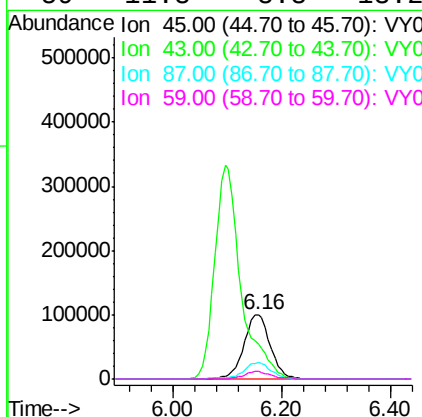
RT: 6.16 min Scan# 725

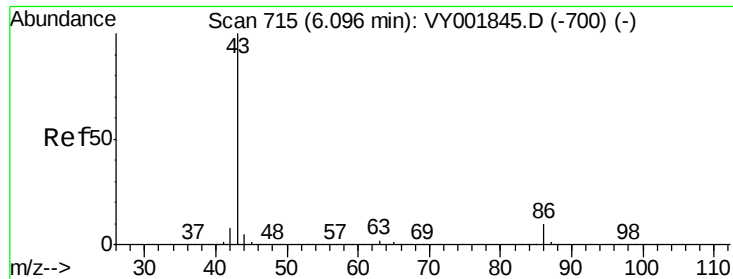
Delta R.T. 0.01 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Tgt Ion:	45	Resp:	334954
Ion	Ratio	Lower	Upper
45	100		
43	54.3	47.2	70.8
87	25.8	19.8	29.8
59	11.8	8.8	13.2





#23

Vinyl Acetate

Concen: 267.842 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1113023

Ion Ratio Lower Upper

43 100

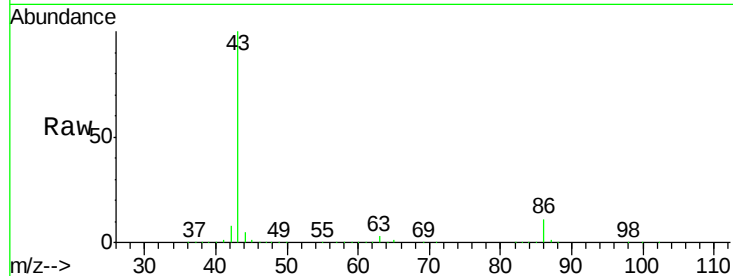
86 10.6 7.8 11.8

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

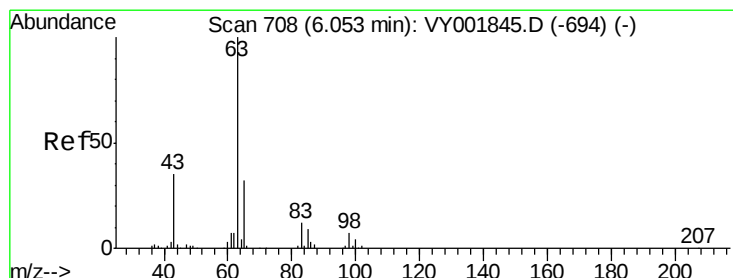
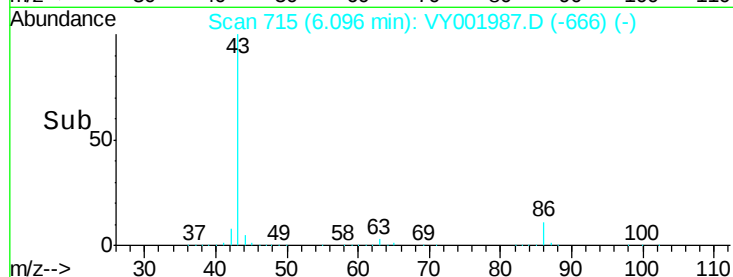
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.380 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

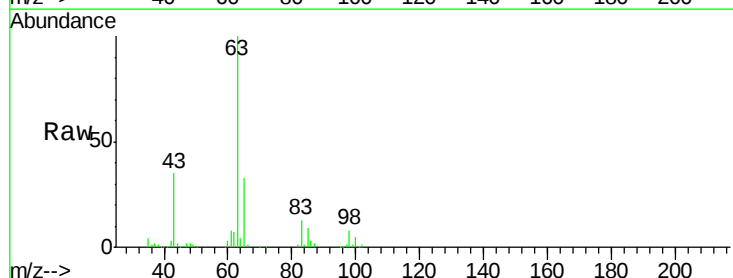
Tgt Ion: 63 Resp: 176372

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.2

100 5.1 2.0 6.0



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

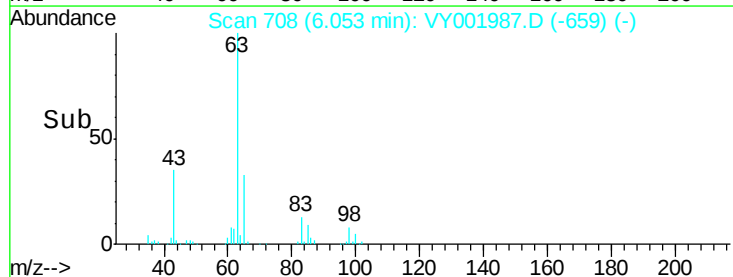
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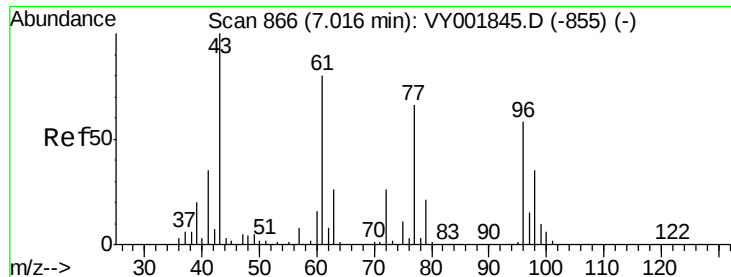
40000

20000

0

Time-->





#25

2-Butanone

Concen: 266.539 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 197735

Ion Ratio Lower Upper

43 100

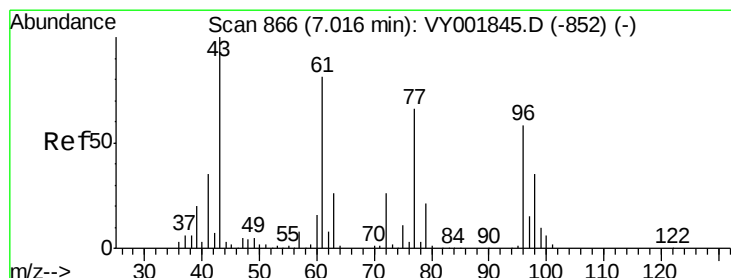
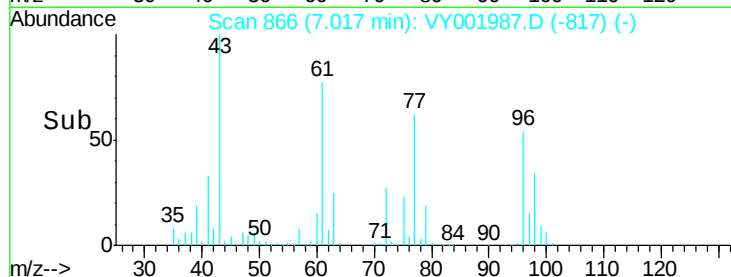
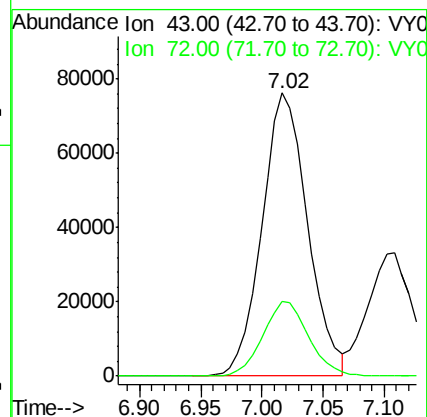
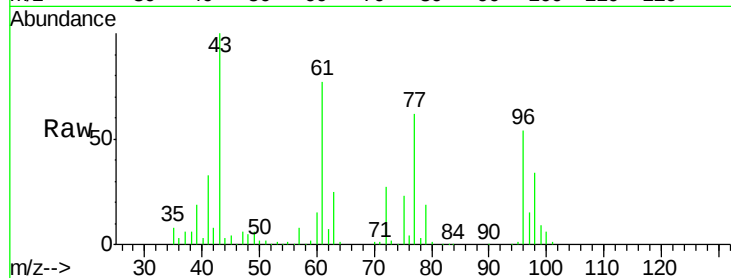
72 26.5 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 51.469 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001987.D

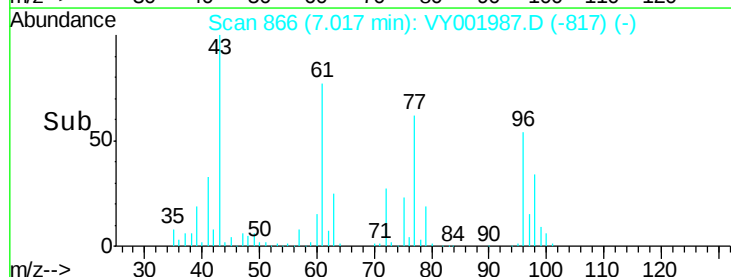
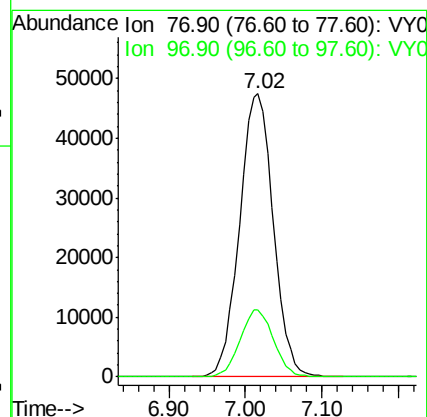
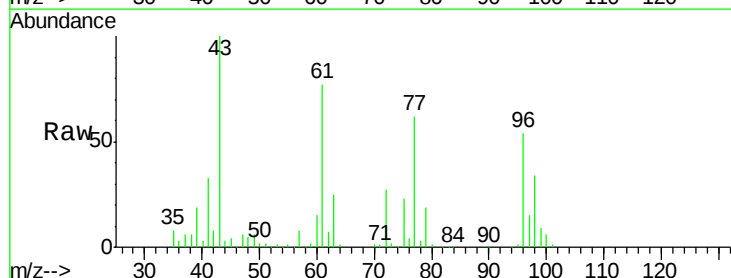
Acq: 16 Mar 2020 17:04

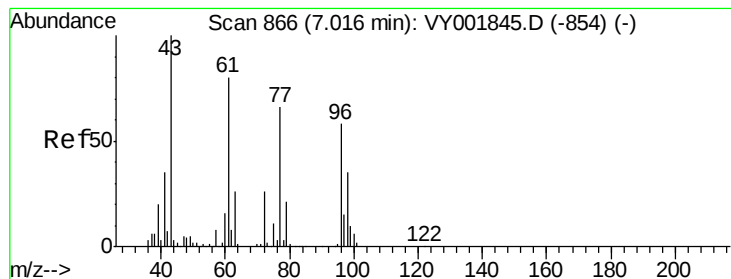
Tgt Ion: 77 Resp: 145010

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.7





#27

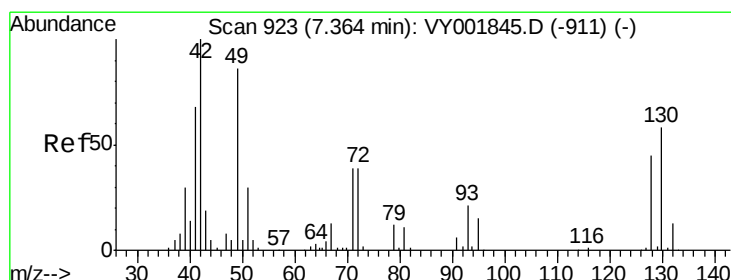
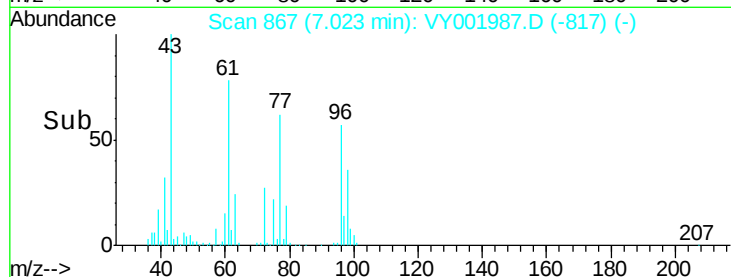
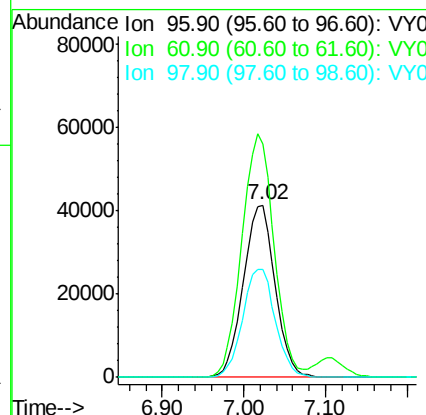
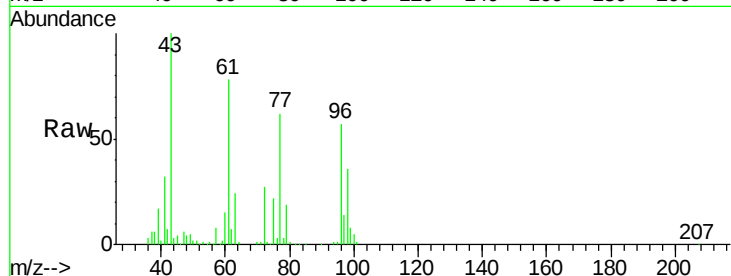
cis-1,2-Dichloroethene
Concen: 52.168 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.8	0.0	288.2	
98	64.3	0.0	129.0	

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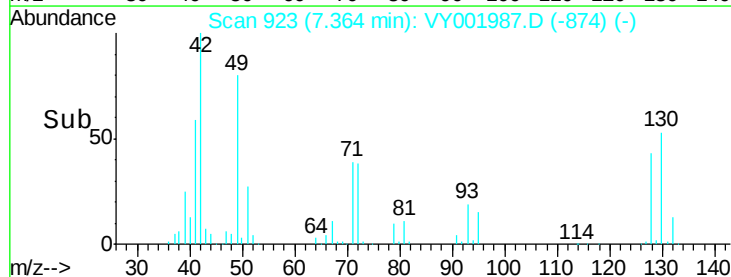
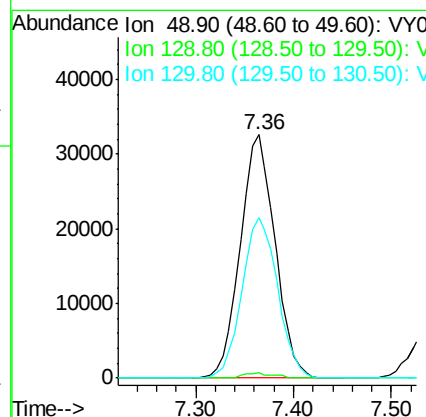
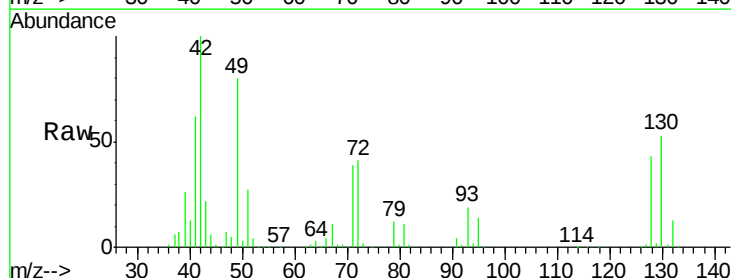
MMDadoda
3/17/2020 12:06:24 PM

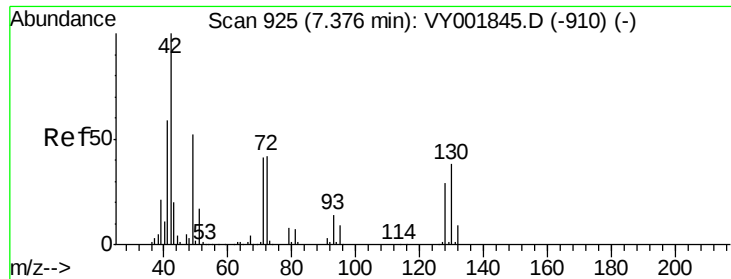


#28

Bromochloromethane
Concen: 52.063 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	67.7	54.4	81.6	





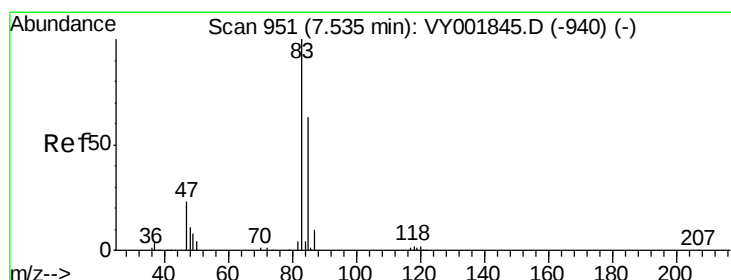
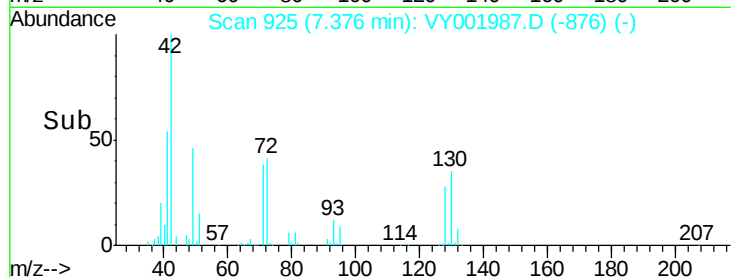
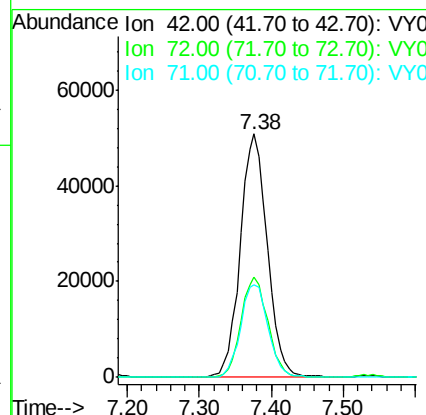
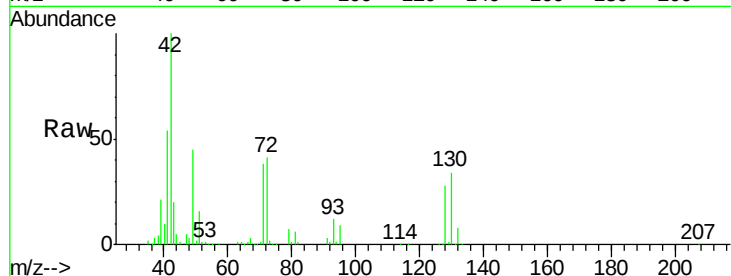
#29
Tetrahydrofuran
Concen: 268.933 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.5	50.3
71	38.9	31.3	46.9

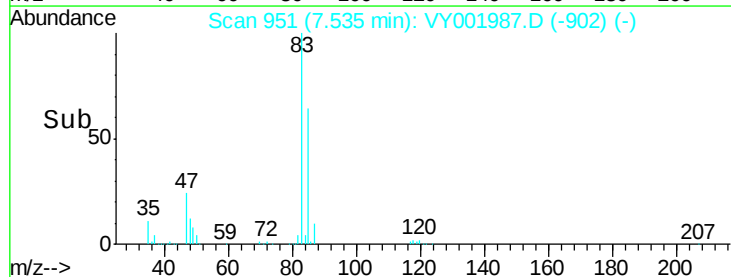
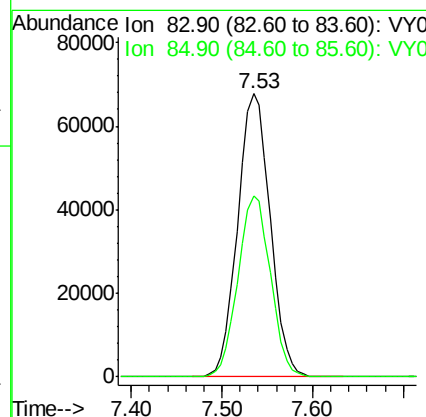
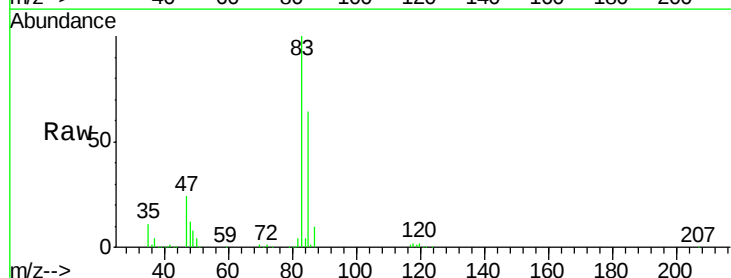
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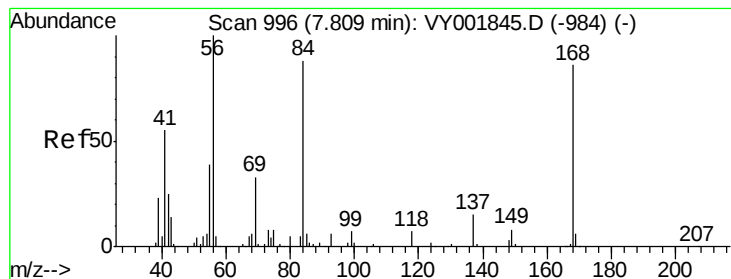
MMDadoda
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#30
Chloroform
Concen: 52.296 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.7	76.1





#31

Cyclohexane

Concen: 47.424 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 174548

Ion Ratio Lower Upper

56 100

69 32.5 26.7 40.1

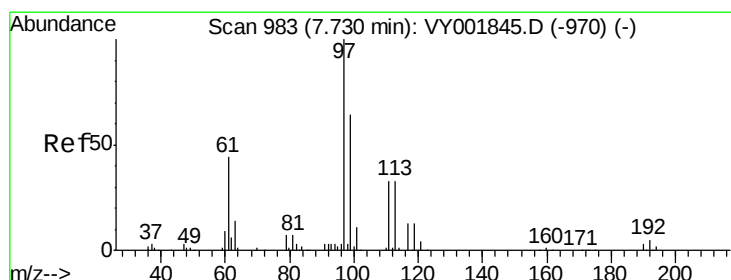
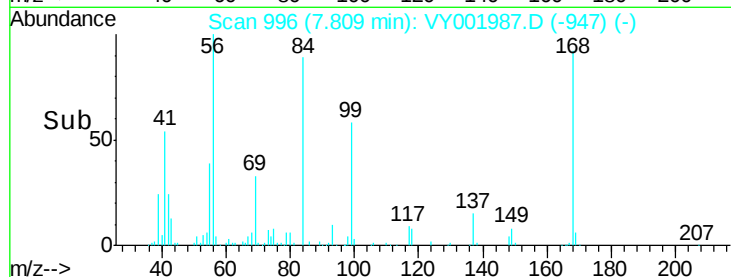
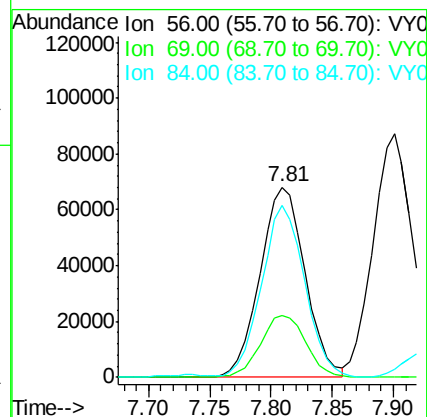
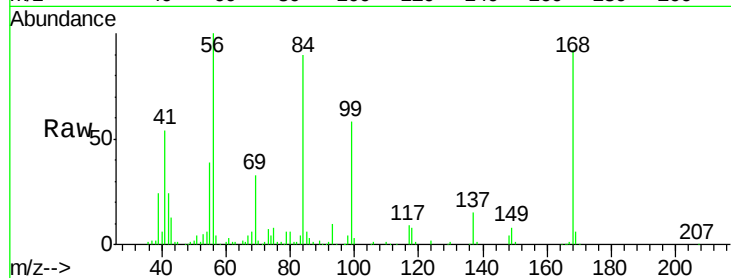
84 89.1 70.4 105.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 52.281 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

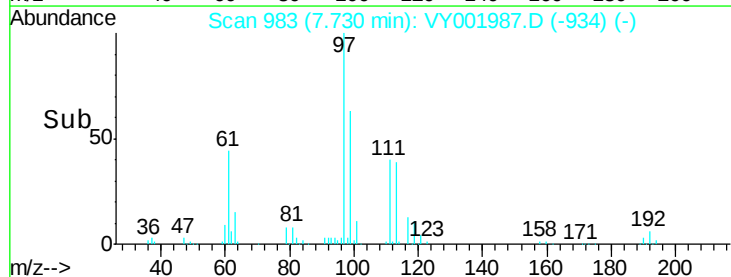
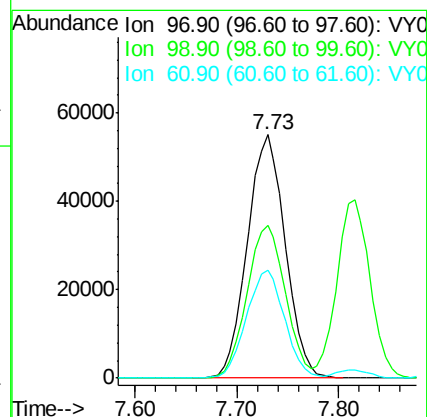
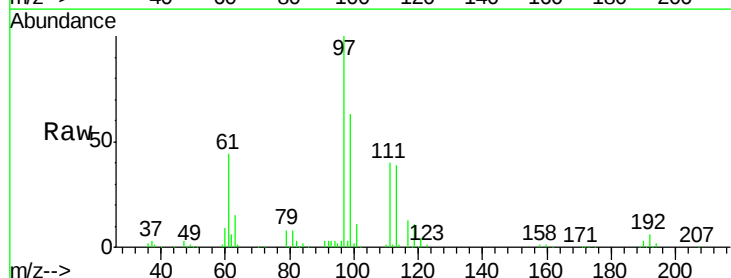
Tgt Ion: 97 Resp: 142112

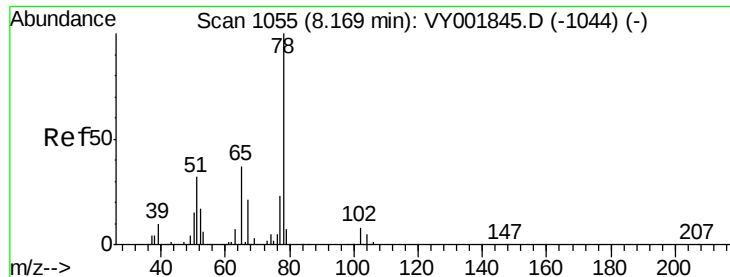
Ion Ratio Lower Upper

97 100

99 63.6 52.0 78.0

61 44.8 35.0 52.4





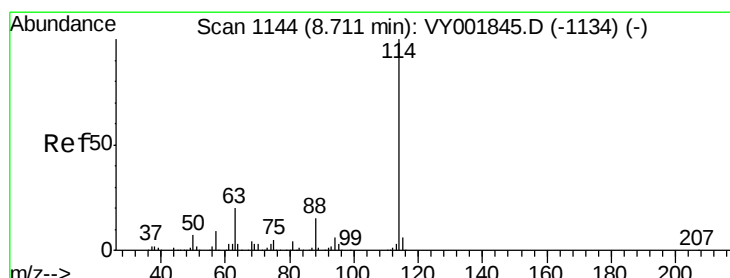
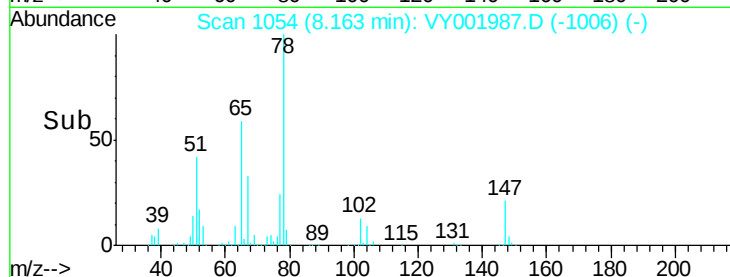
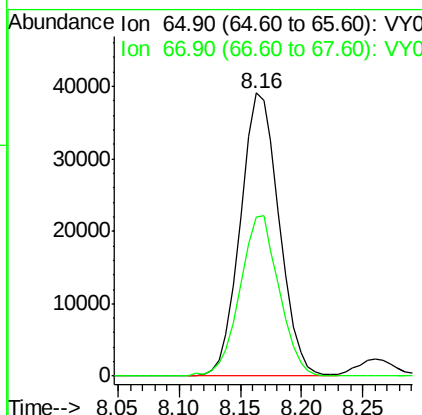
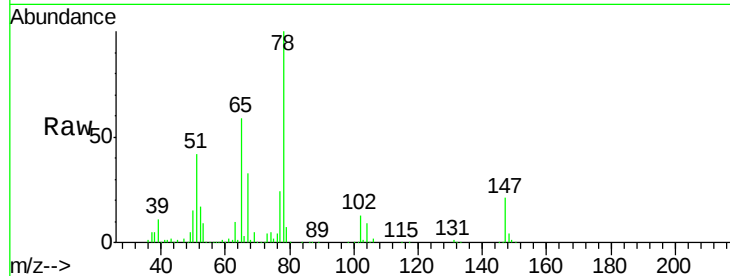
#33
 1,2-Dichloroethane-d4
 Concen: 51.519 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.2	0.0	110.8

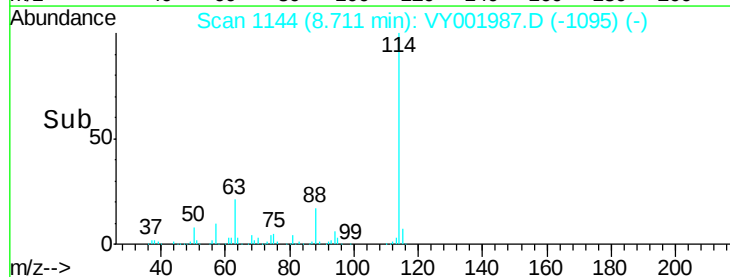
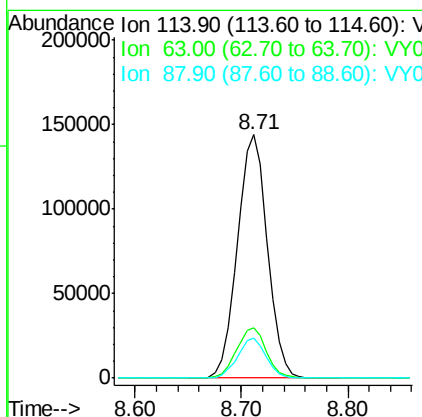
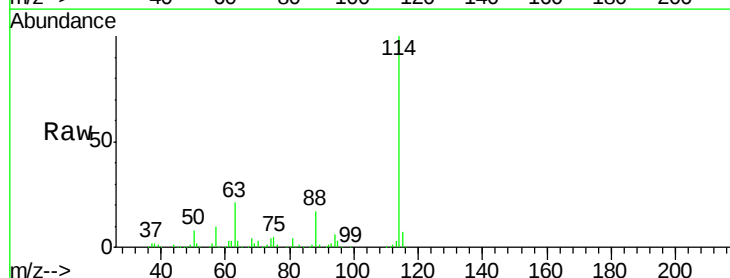
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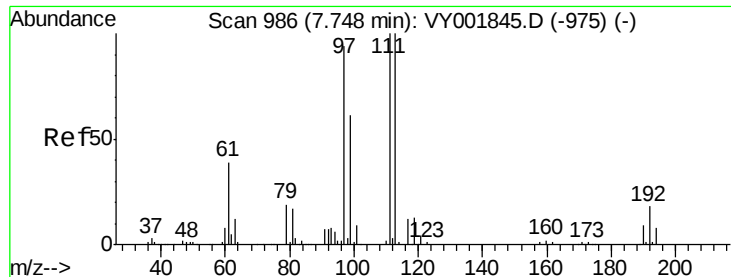
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 3/17/2020 12:06:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.4
88	16.6	0.0	30.4





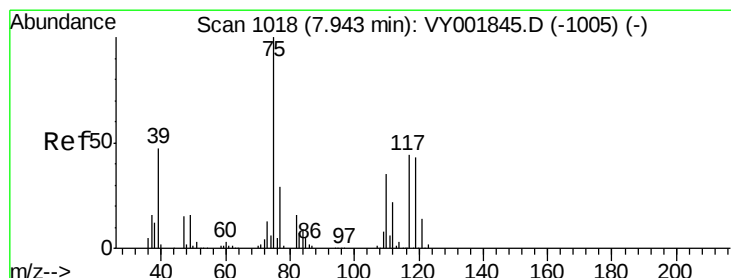
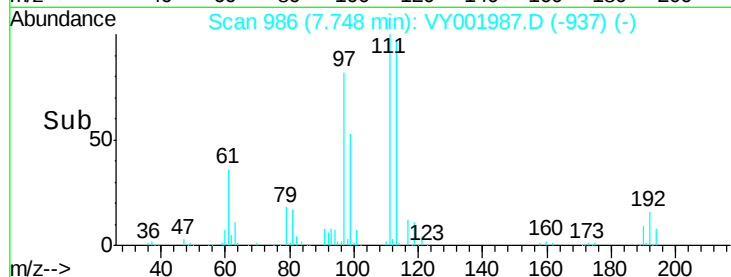
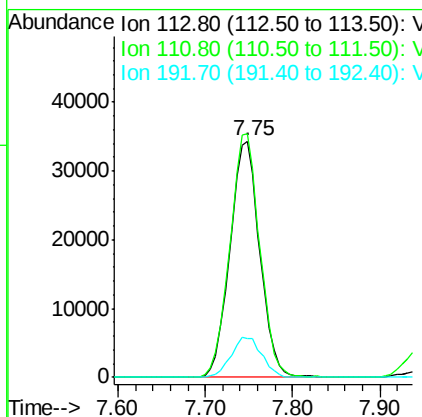
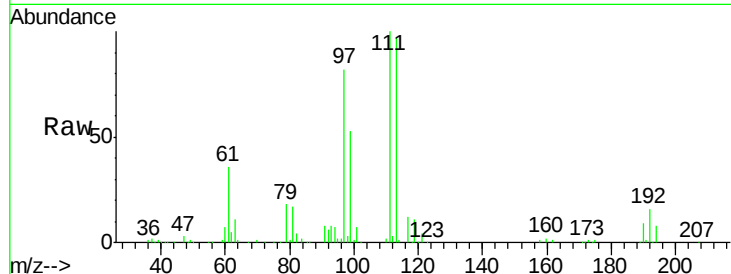
#35
 Dibromofluoromethane
 Concen: 52.401 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	17.4	14.2	21.2

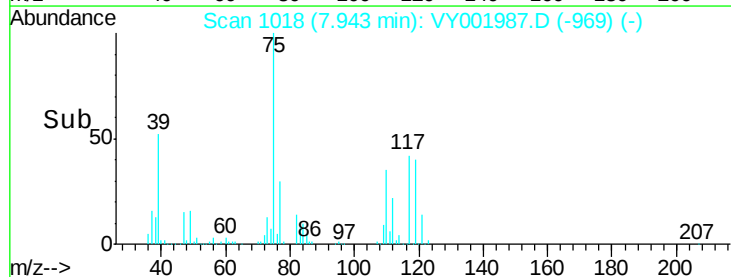
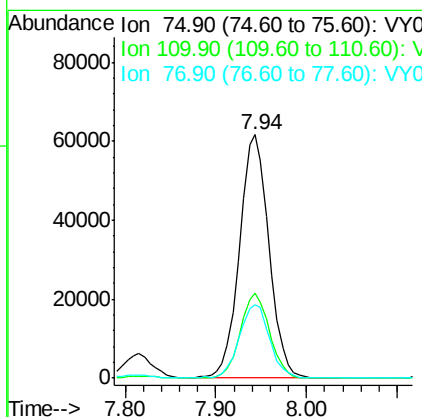
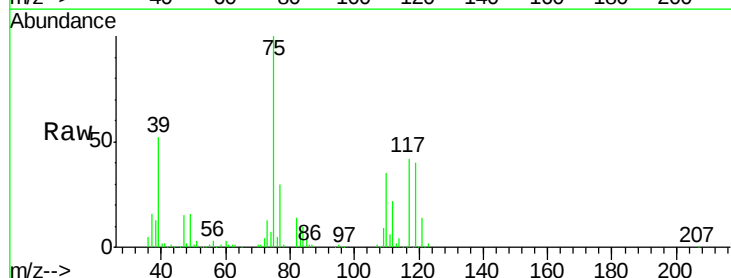
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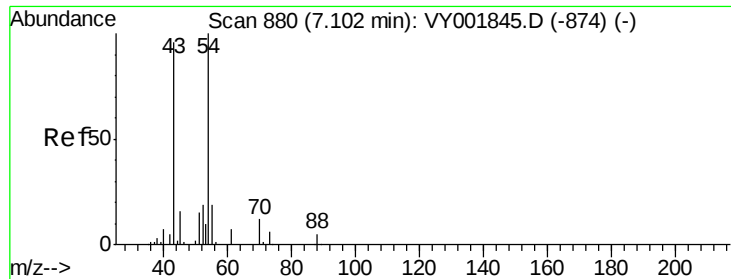
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#36
 1,1-Dichloropropene
 Concen: 50.619 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.2
77	31.2	24.2	36.2





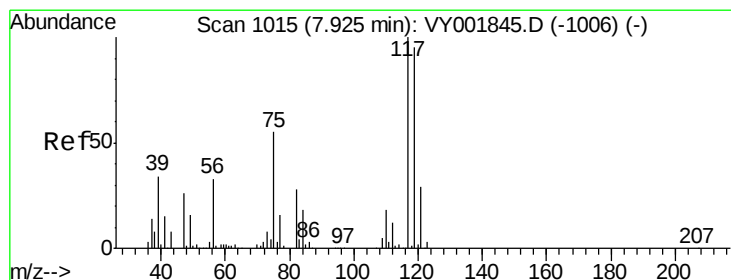
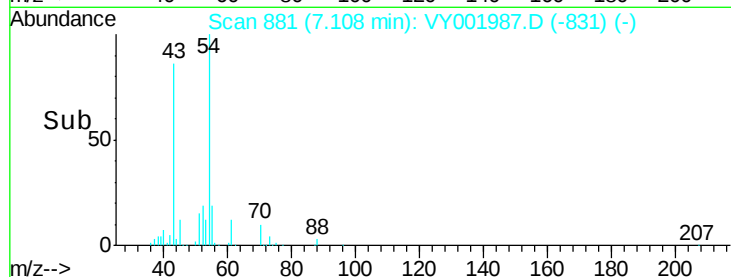
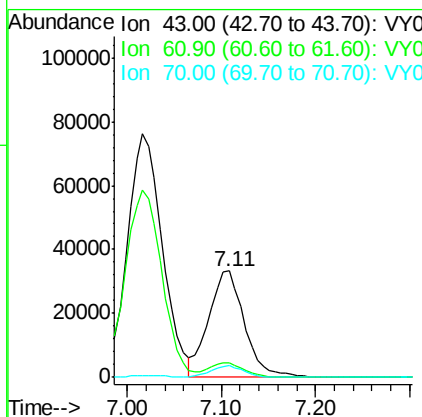
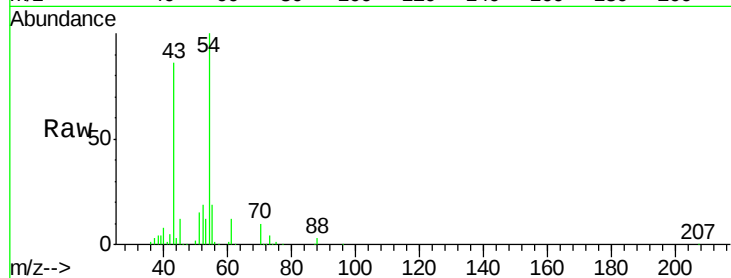
#37
Ethyl Acetate
Concen: 54.827 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	10.2	8.2	12.4

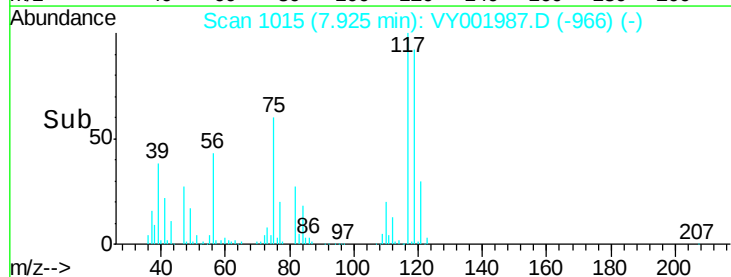
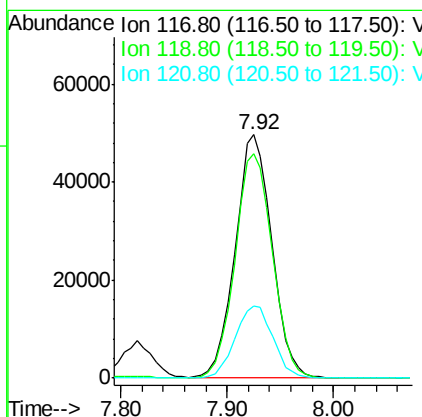
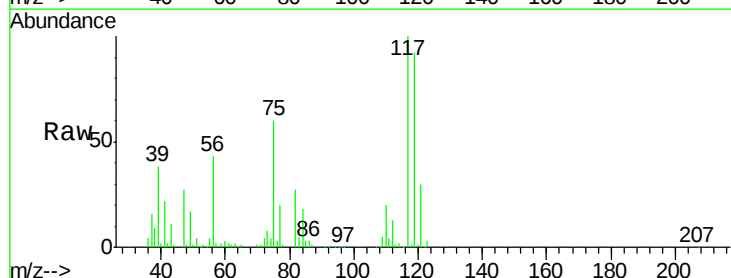
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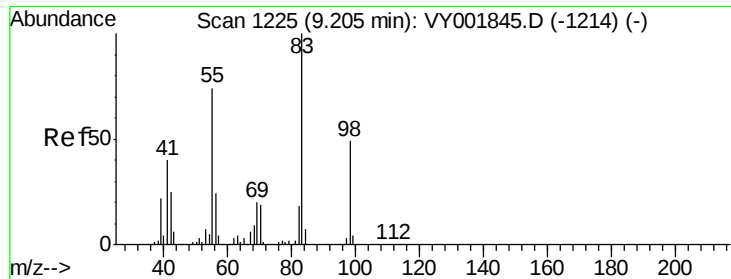
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#38
Carbon Tetrachloride
Concen: 51.356 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.3	114.5
121	29.5	23.5	35.3





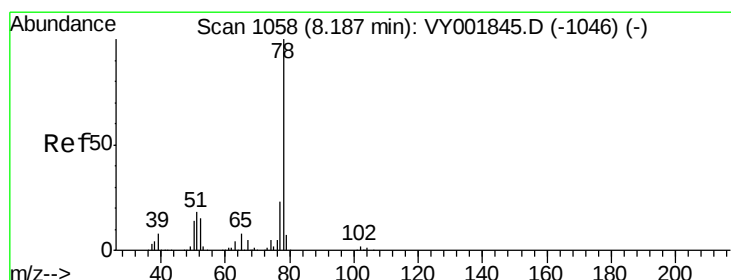
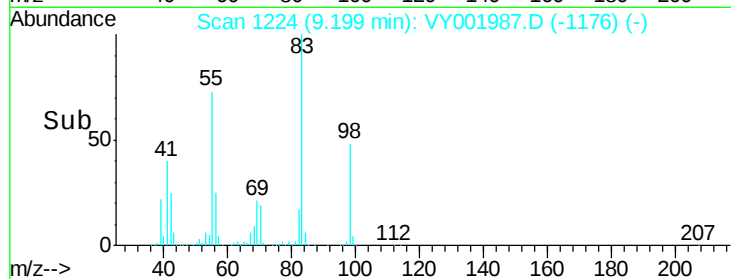
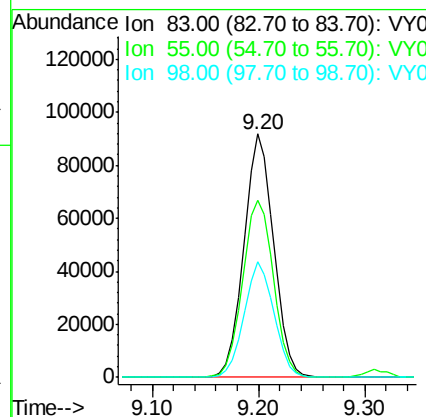
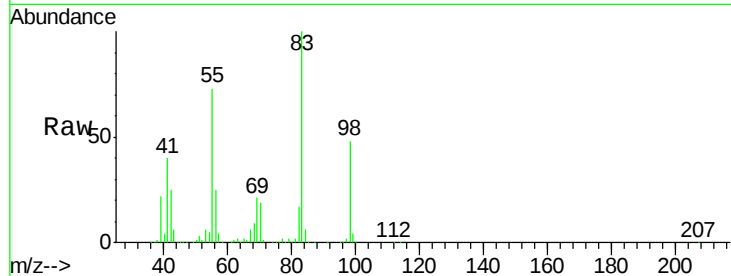
#39
Methvlcvclohexane
Concen: 49.651 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	59.4	89.0
98	47.7	38.9	58.3

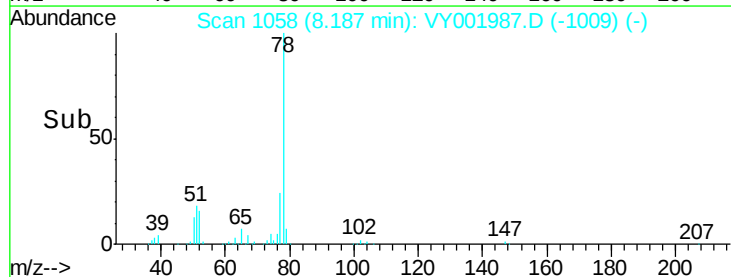
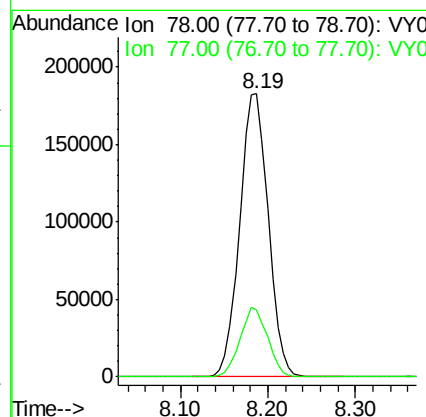
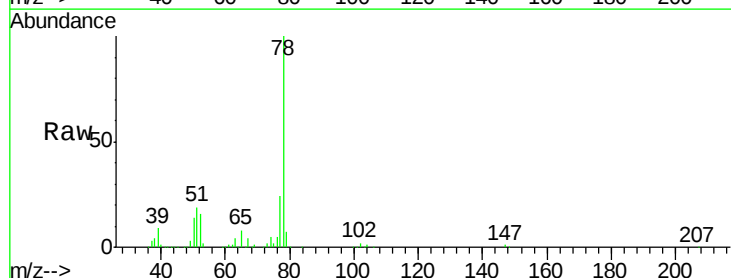
Manual Integrations
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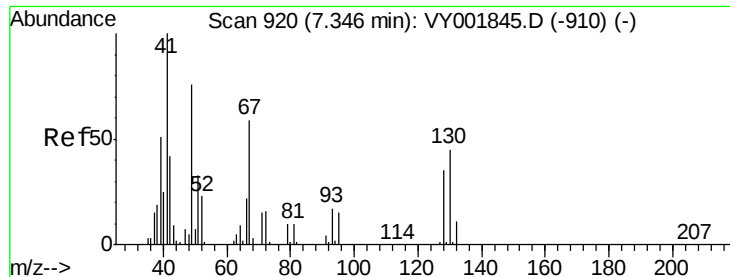
MMDadoda
3/17/2020 12:06:24 PM



#40
Benzene
Concen: 51.132 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





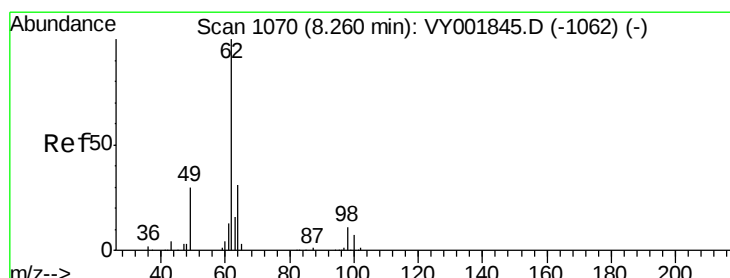
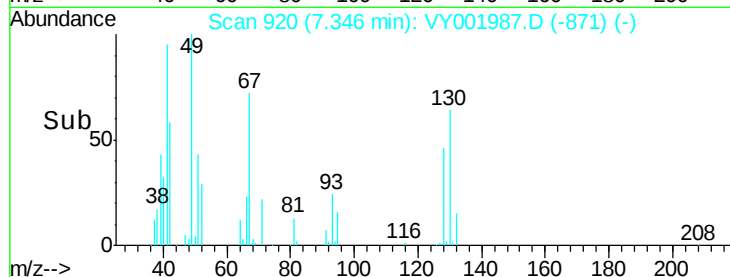
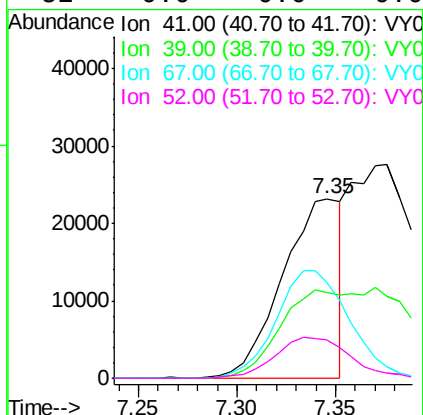
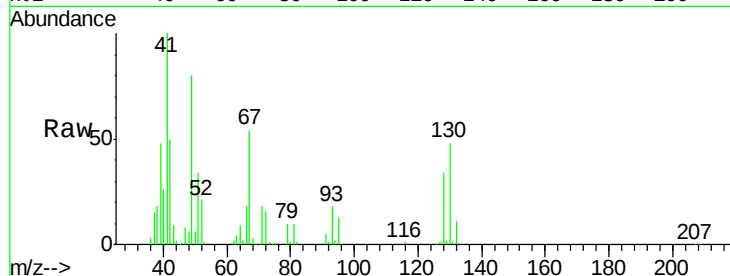
#41
Methacrylonitrile
Concen: 67.462 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

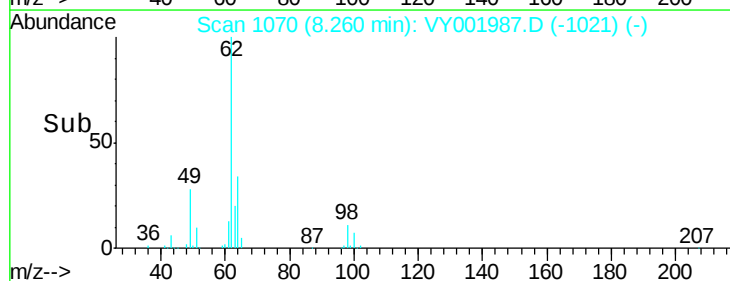
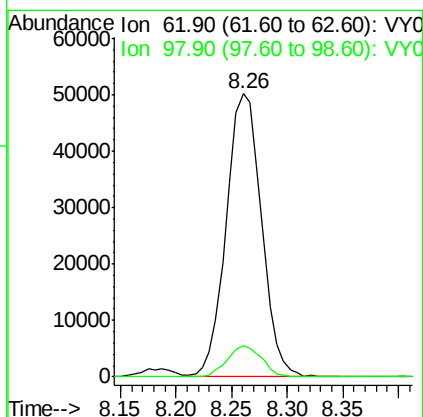
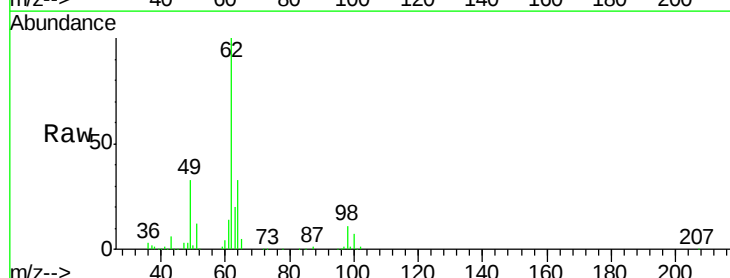
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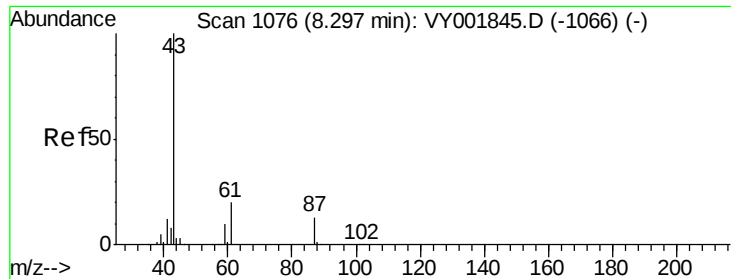
MMDadoda
3/17/2020 12:06:24 PM



#42
1,2-Dichloroethane
Concen: 52.705 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.4





#43

Isopropyl Acetate

Concen: 53.878 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

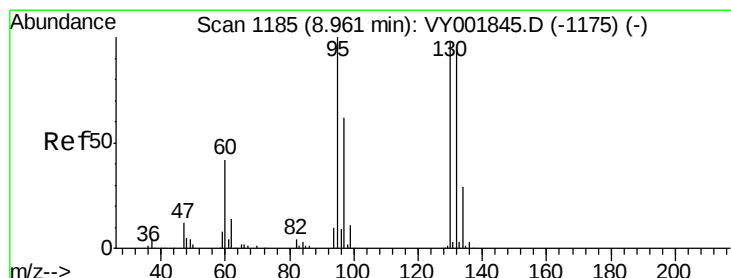
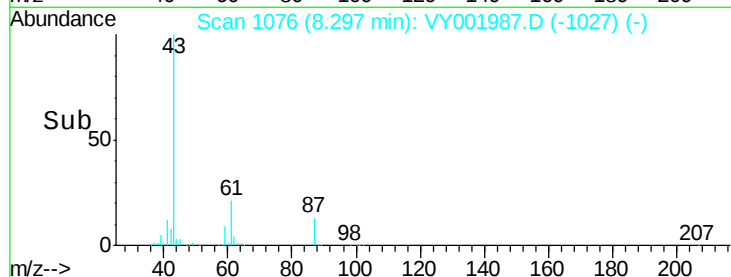
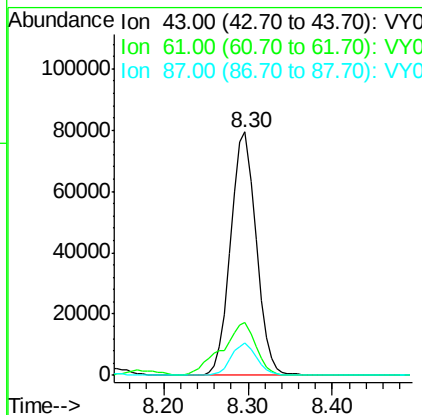
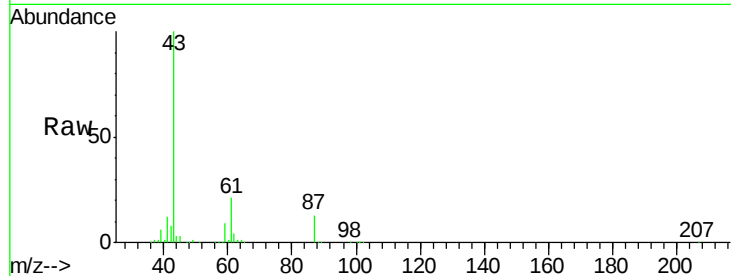
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	162301
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.8	35.6
87	13.3	10.9	16.3

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#44

Trichloroethene

Concen: 50.752 ug/l

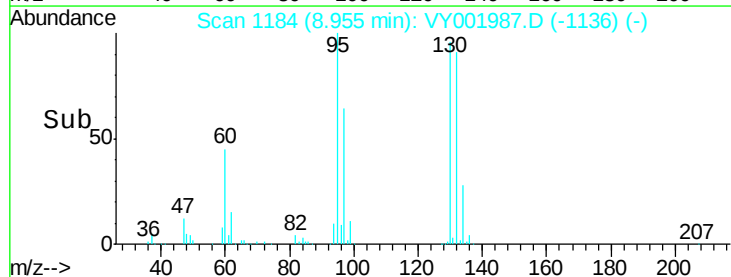
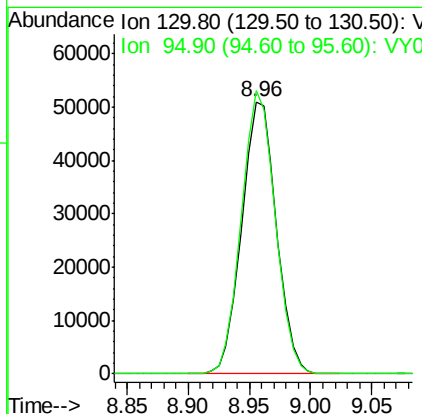
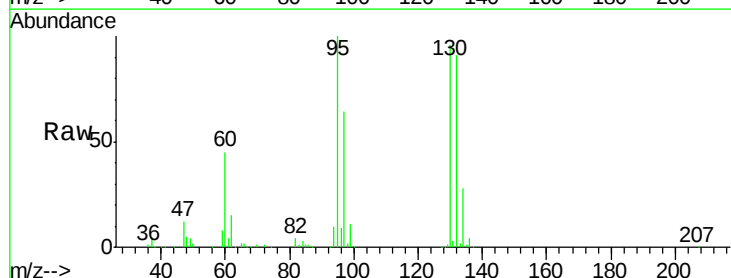
RT: 8.96 min Scan# 1184

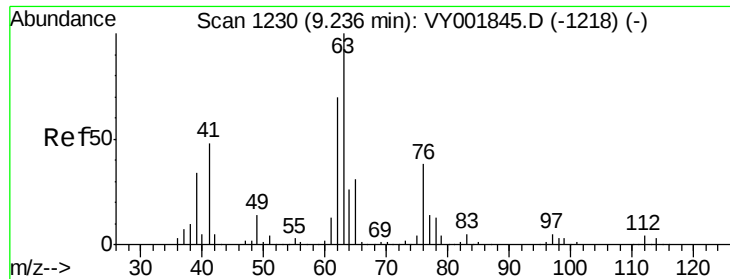
Delta R.T. -0.01 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Tgt Ion:	130	Resp:	100295
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	204.6





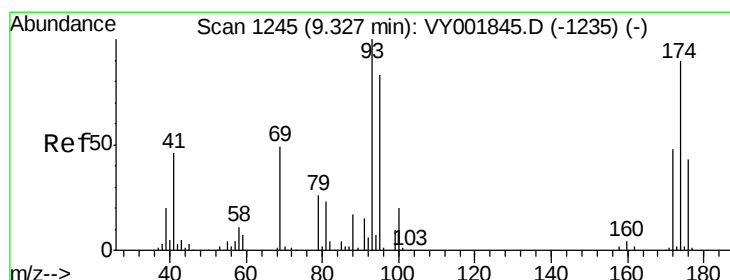
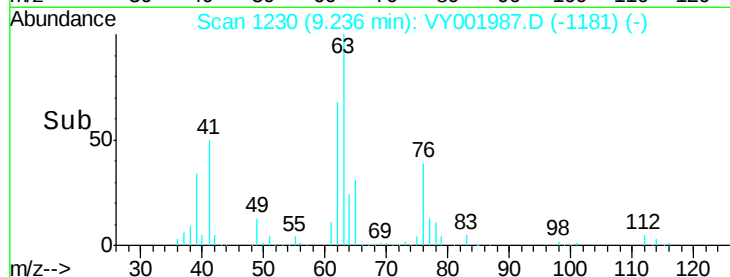
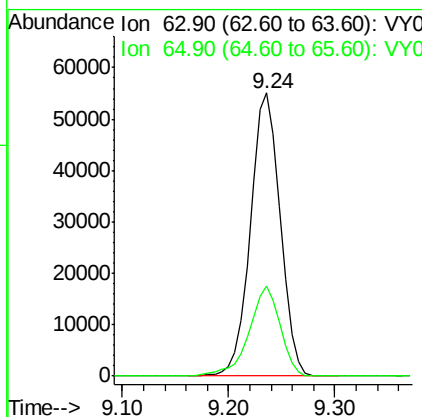
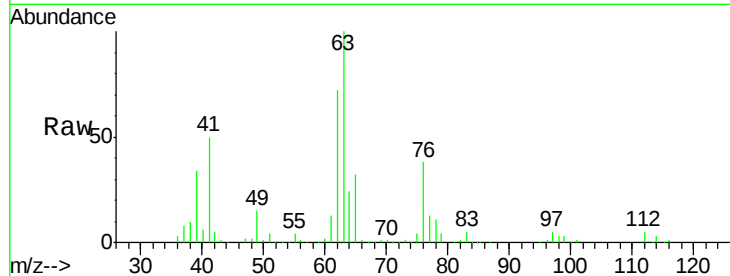
#45
 1,2-Dichloropropane
 Concen: 53.142 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 108398
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.9 37.3

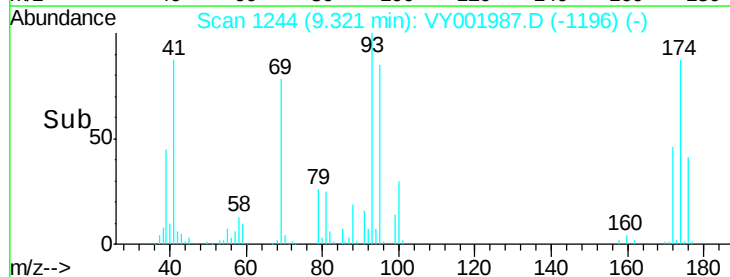
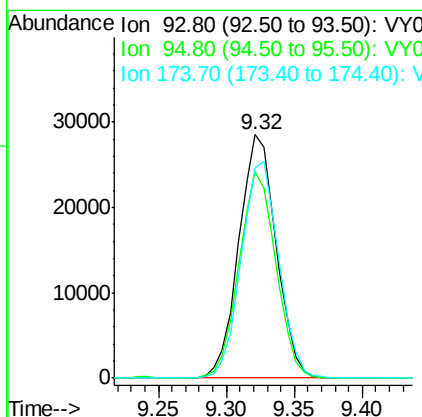
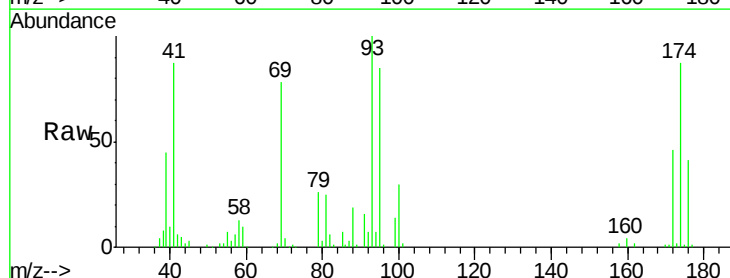
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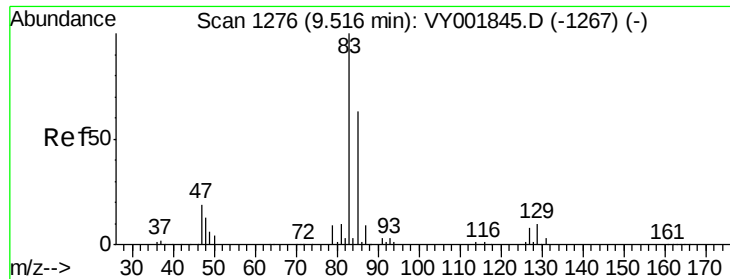
MMDadoda
 3/17/2020 12:06:24 PM



#46
 Dibromomethane
 Concen: 52.126 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion: 93 Resp: 54792
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.0 100.4
 174 89.0 71.8 107.8





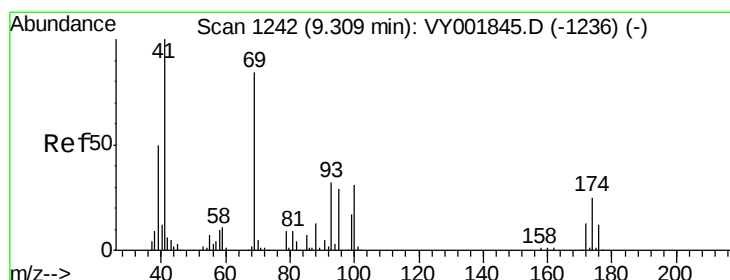
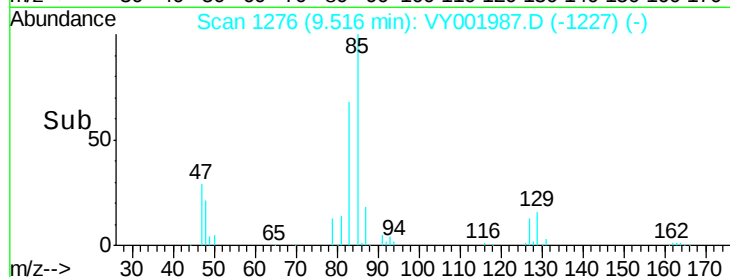
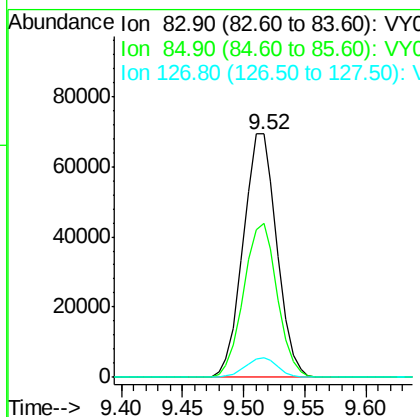
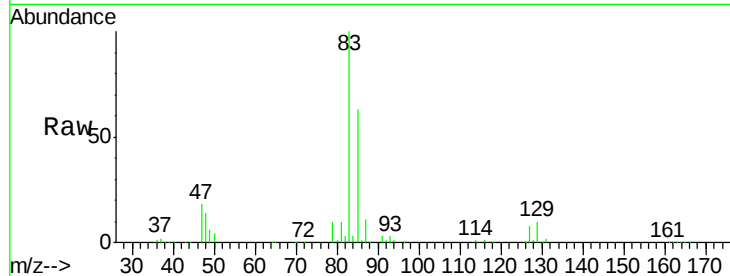
#47
Bromodichloromethane
Concen: 54.129 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.6	76.0
127	8.3	6.2	9.4

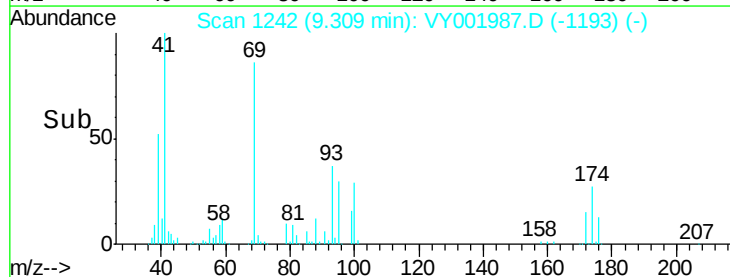
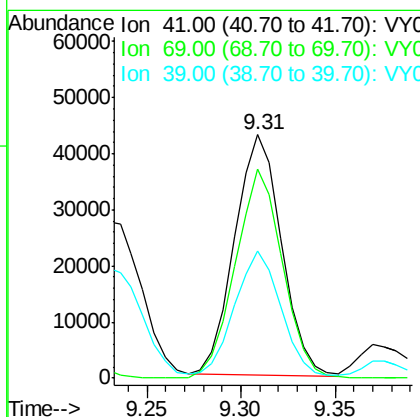
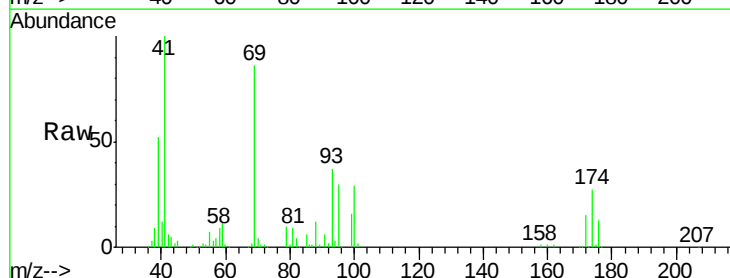
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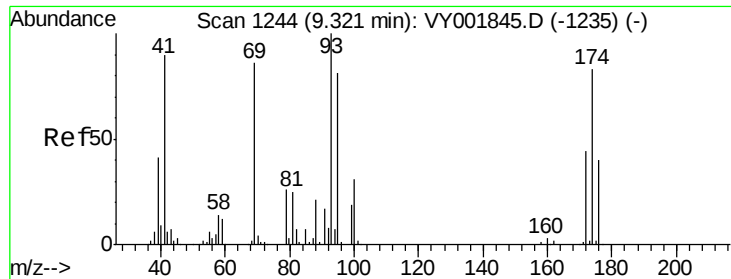
MMDadoda
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#48
Methyl methacrylate
Concen: 55.150 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.7	69.0	103.6
39	53.1	39.1	58.7





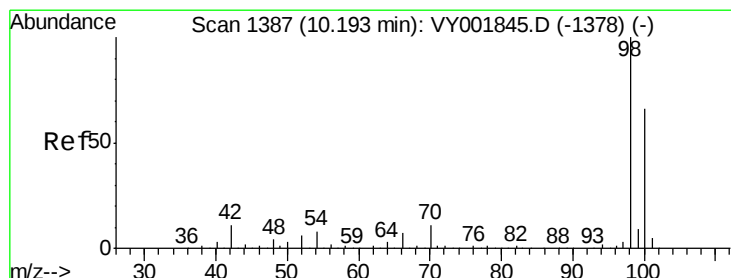
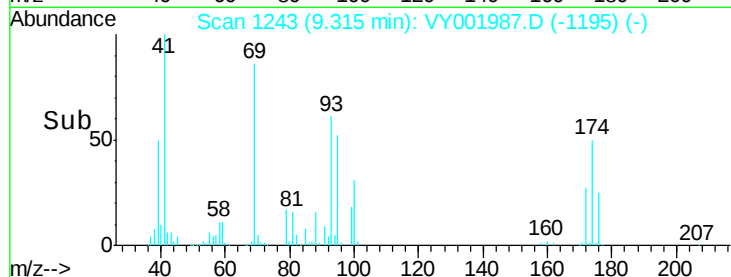
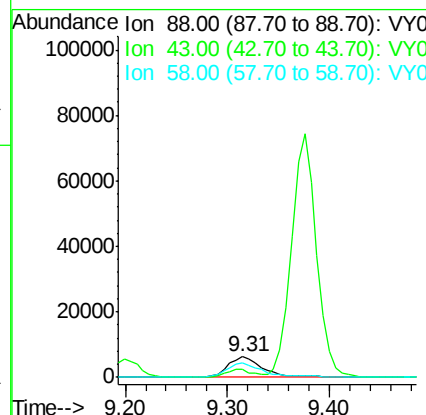
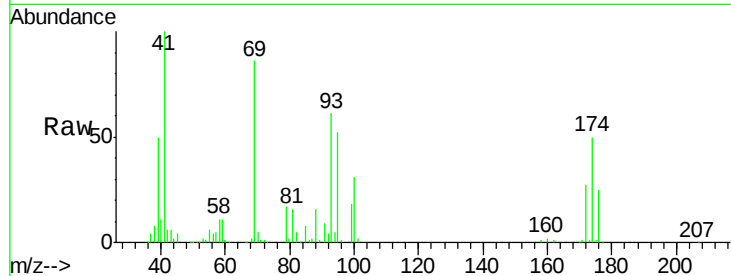
#49
1,4-Dioxane
Concen: 1048.712 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	25.0	37.6
58	67.2	58.9	88.3

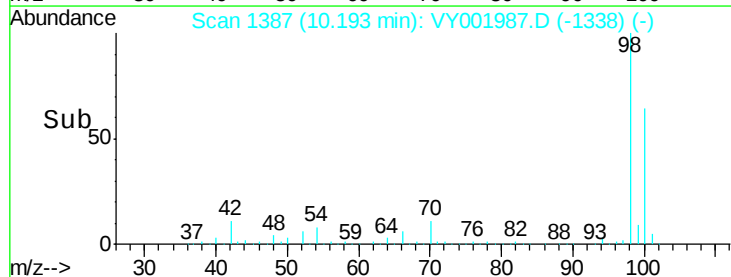
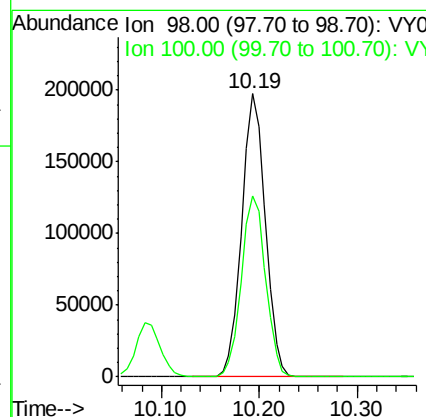
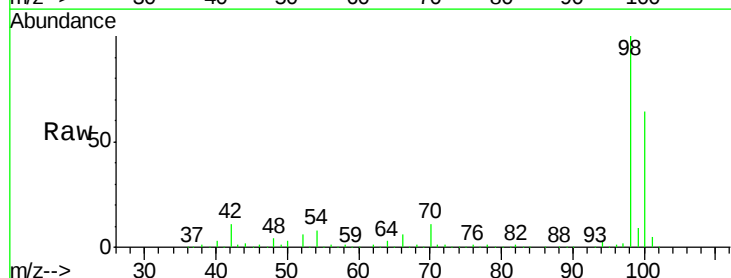
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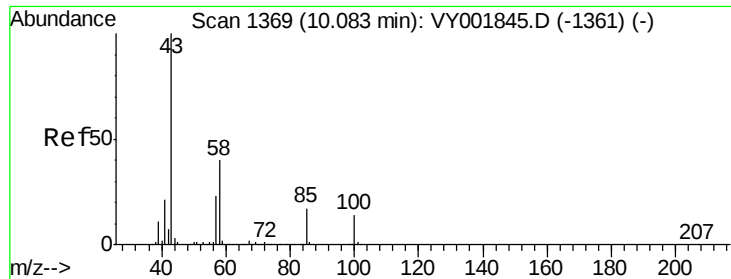
MMDadoda
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#50
Toluene-d8
Concen: 50.518 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 279.642 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 433893

Ion Ratio Lower Upper

43 100

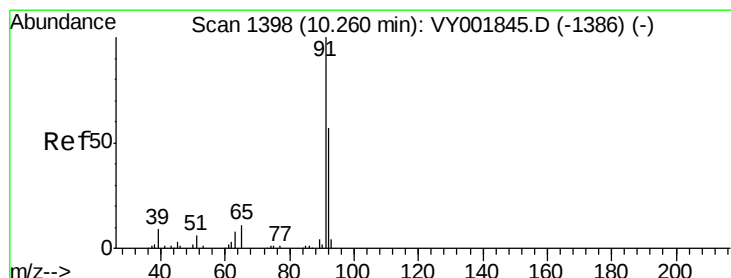
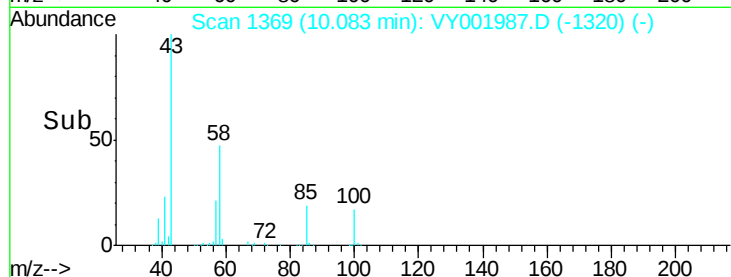
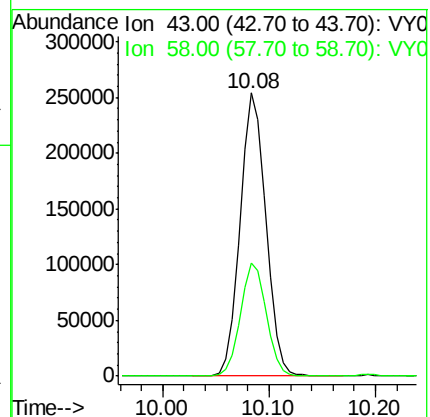
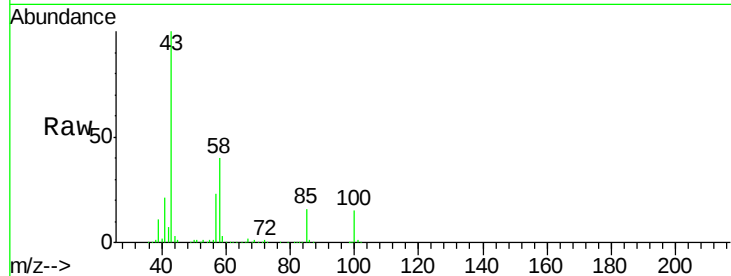
58 40.0 32.0 48.0

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#52

Toluene

Concen: 51.447 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY001987.D

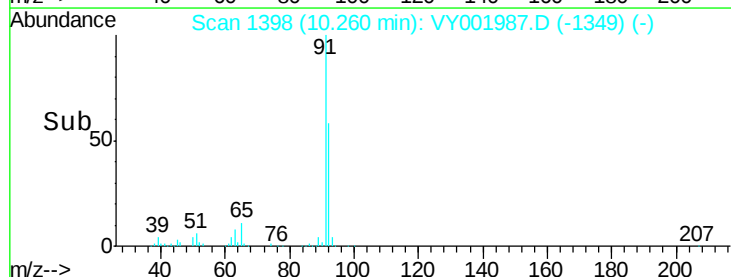
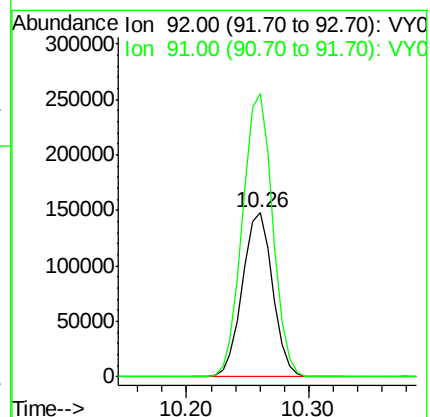
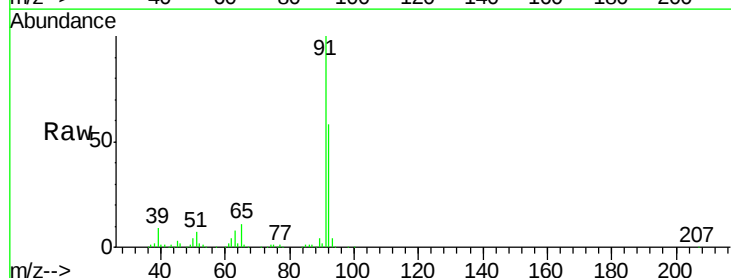
Acq: 16 Mar 2020 17:04

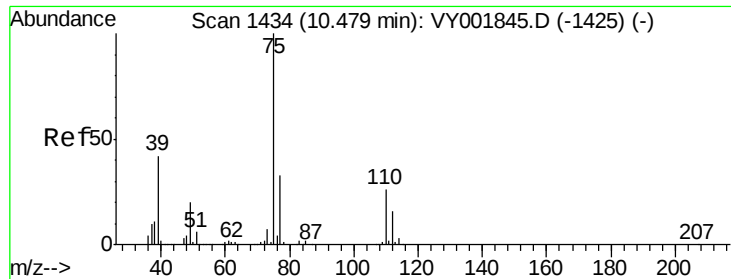
Tgt Ion: 92 Resp: 253598

Ion Ratio Lower Upper

92 100

91 172.3 138.6 208.0





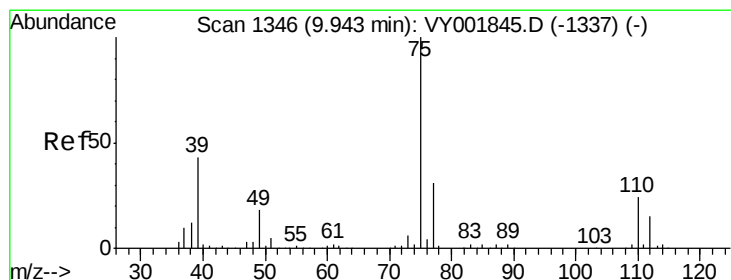
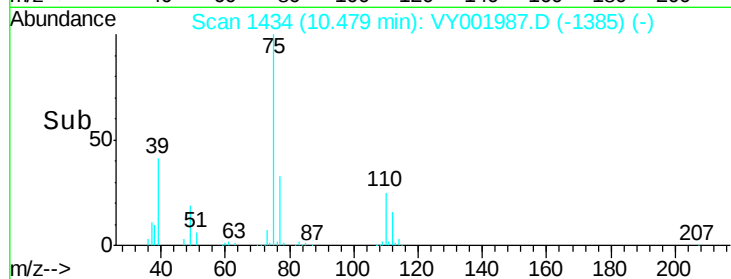
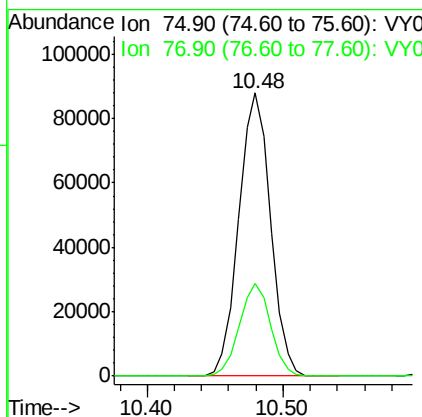
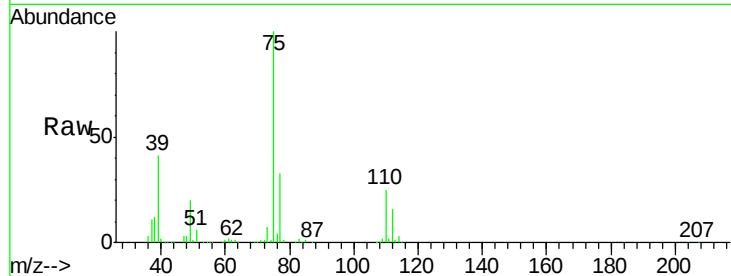
#53
 t-1,3-Dichloropropene
 Concen: 53.697 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 143047
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.3 39.5

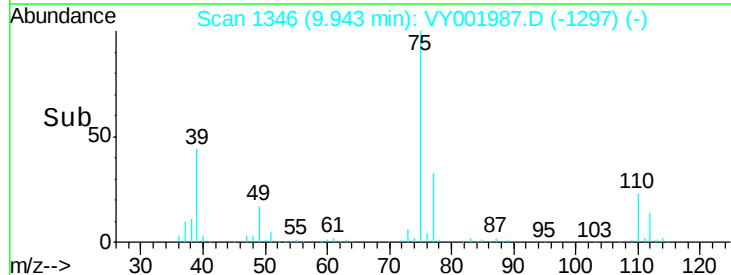
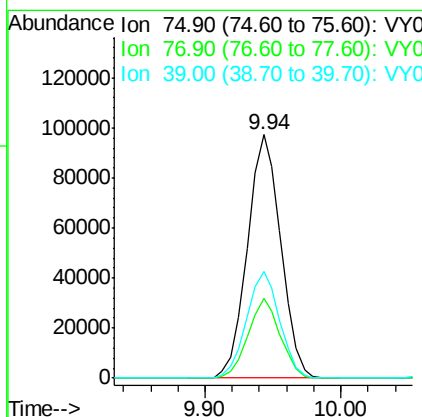
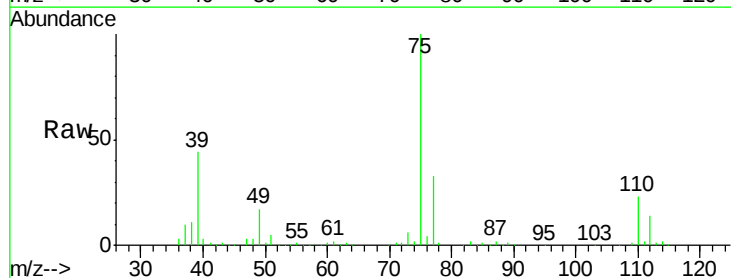
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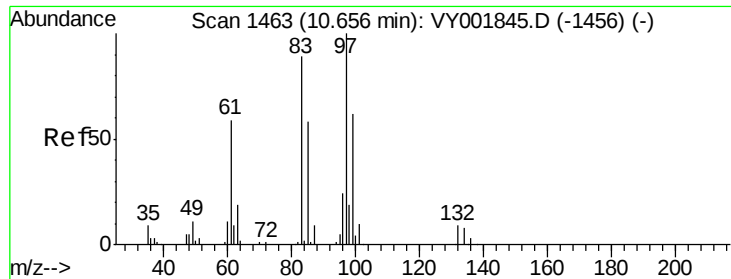
MMDadoda
 3/17/2020 12:06:24 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.728 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion: 75 Resp: 167219
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.1 37.7
 39 43.9 34.7 52.1





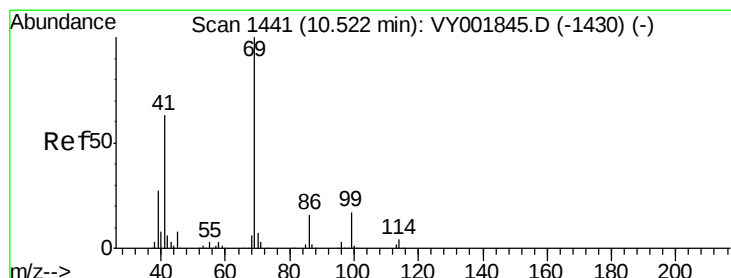
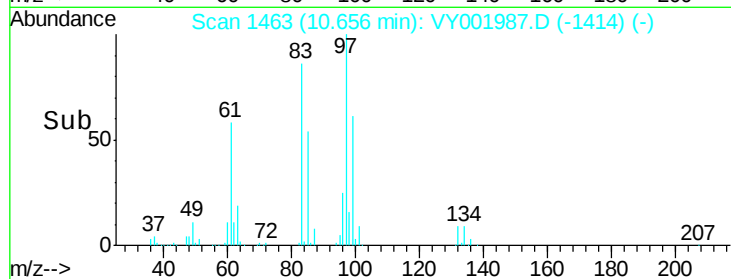
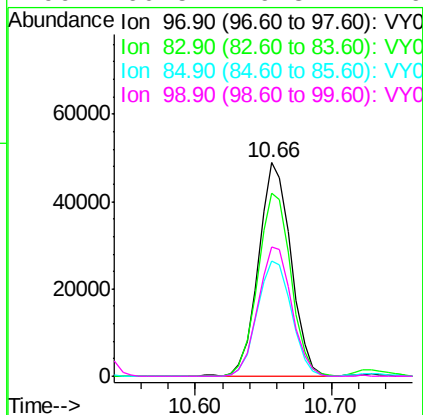
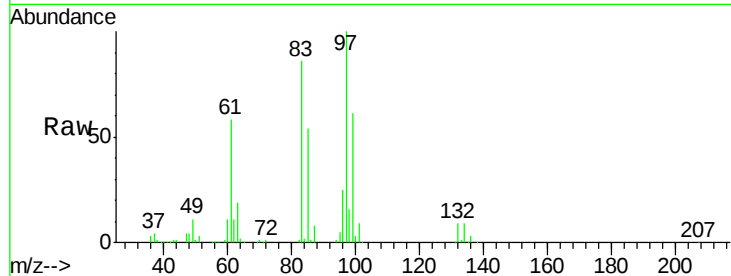
#55
 1,1,2-Trichloroethane
 Concen: 53.379 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.6	107.4
85	54.0	46.6	69.8
99	60.5	49.8	74.6

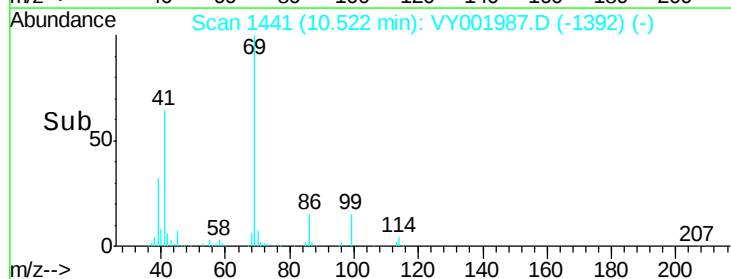
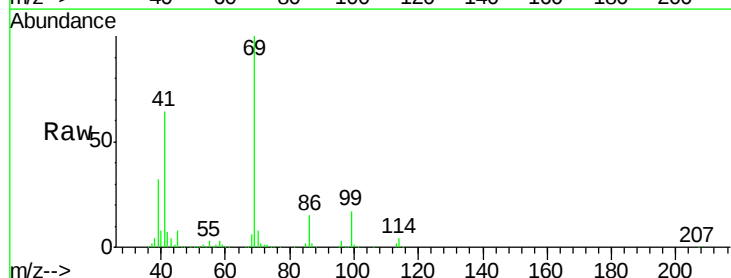
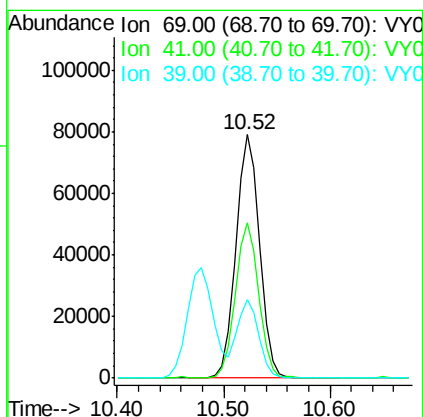
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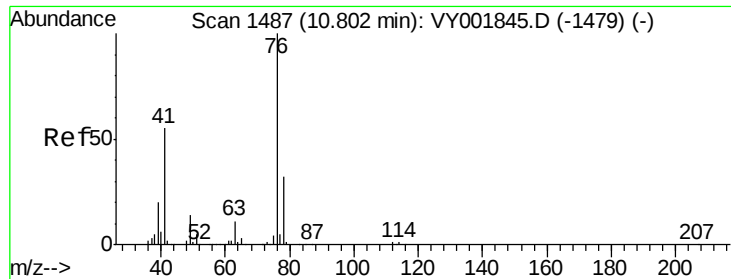
MMDadoda
 3/17/2020 12:06:24 PM



#56
 Ethyl methacrylate
 Concen: 54.524 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	49.9	74.9
39	29.4	23.0	34.6





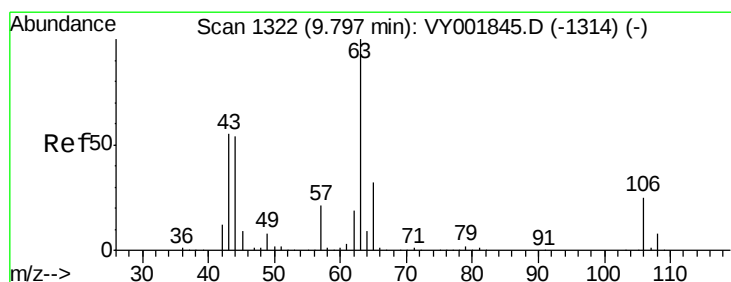
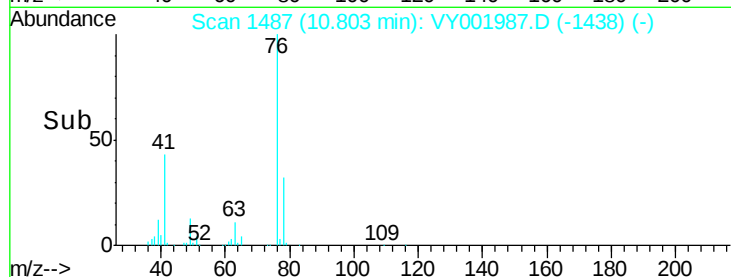
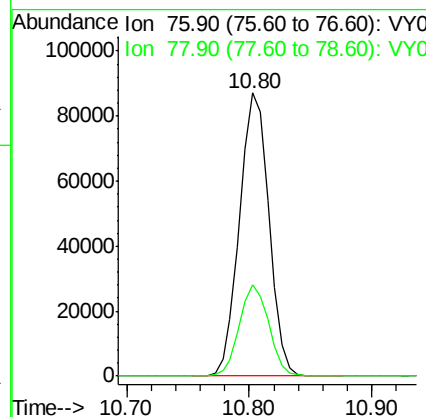
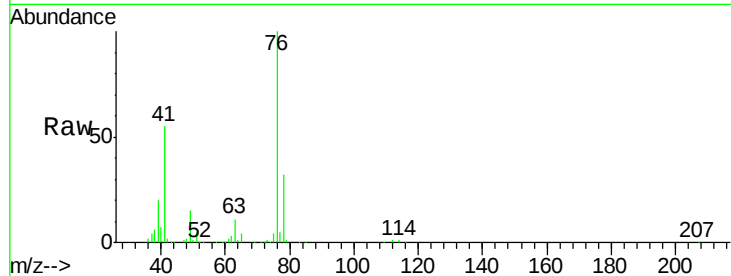
#57
 1,3-Dichloropropane
 Concen: 52.900 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 145059
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

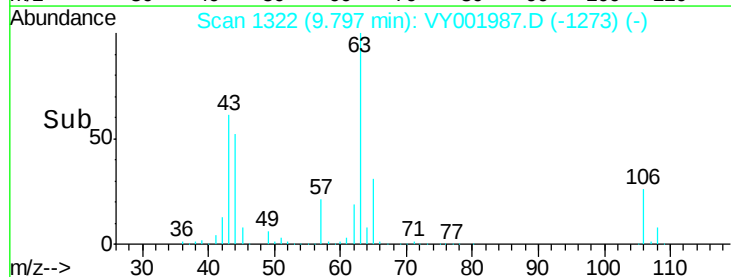
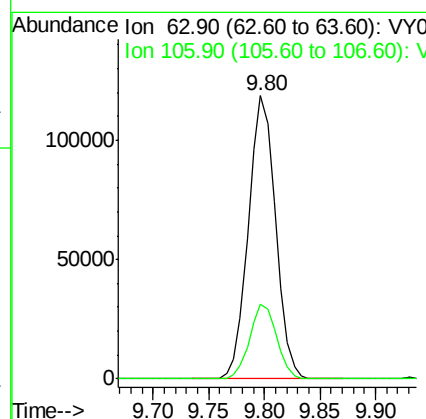
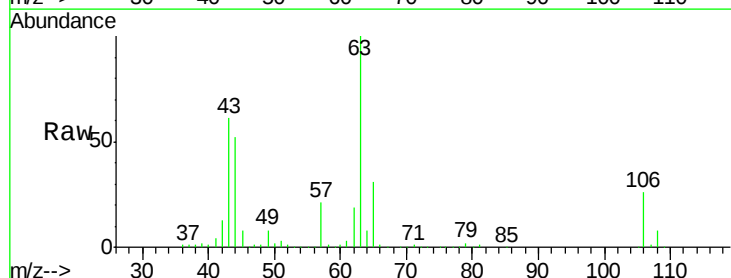
Manual Integrations
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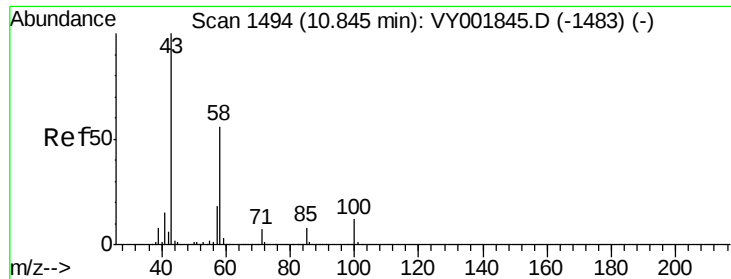
MMDadoda
 3/17/2020 12:06:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.017 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion: 63 Resp: 201881
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.3 31.9





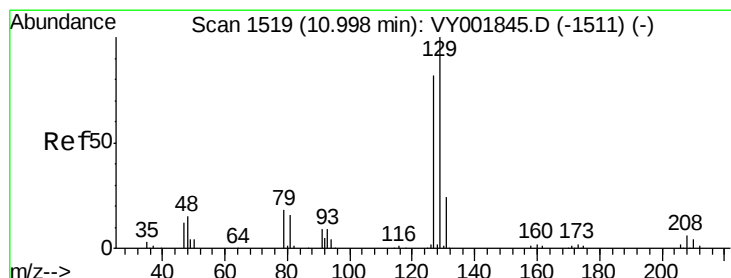
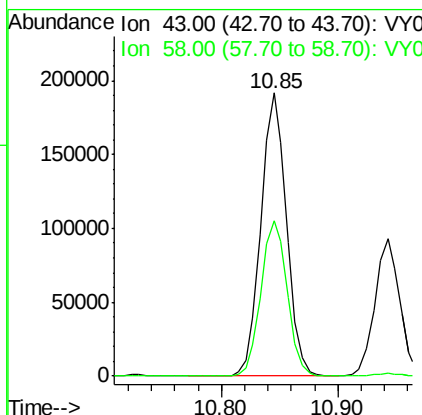
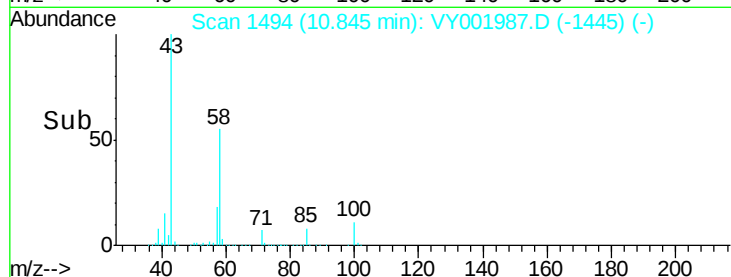
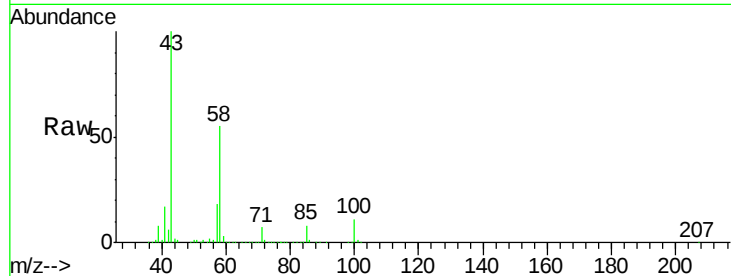
#59
2-Hexanone
Concen: 265.638 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 294184
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3

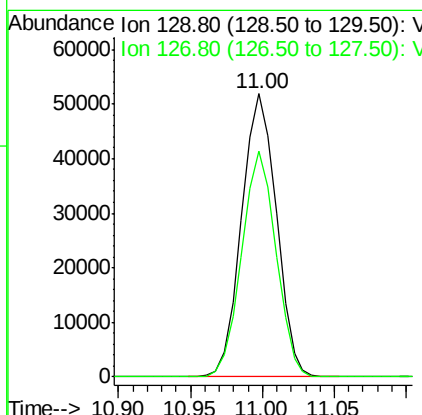
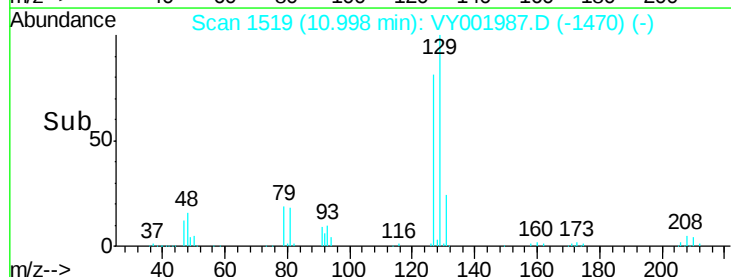
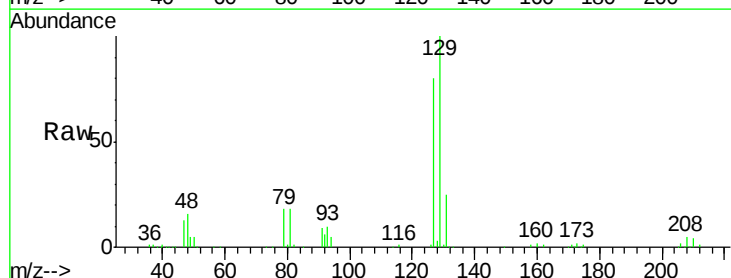
Manual Integrations
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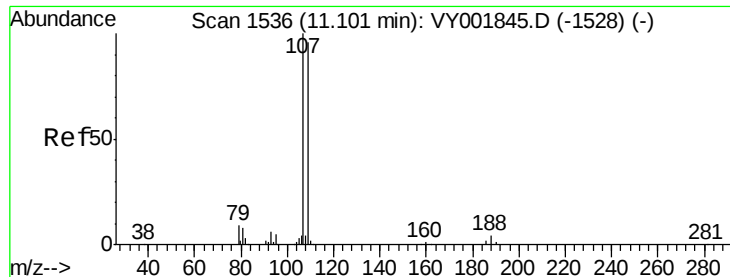
MMDadoda
3/17/2020 12:06:24 PM



#60
Dibromochloromethane
Concen: 53.703 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion: 129 Resp: 87053
Ion Ratio Lower Upper
129 100
127 78.5 39.0 117.0





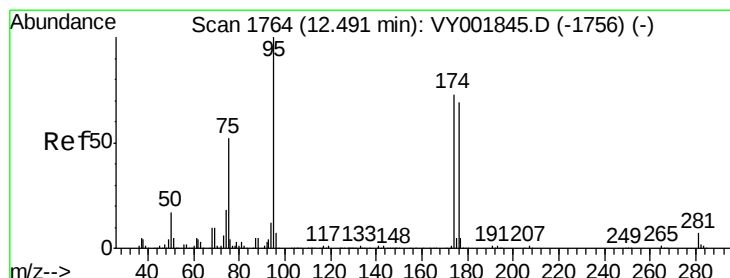
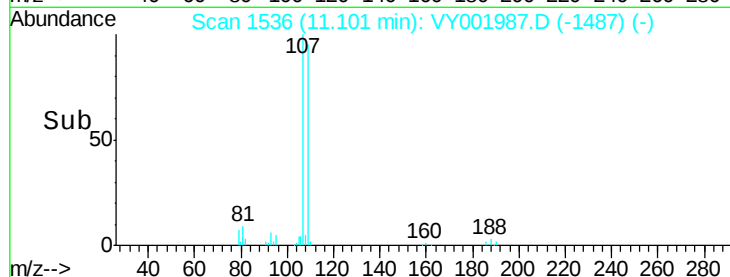
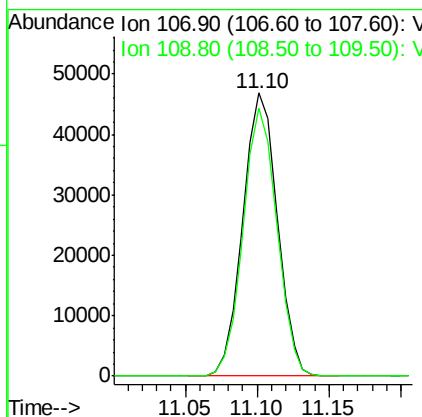
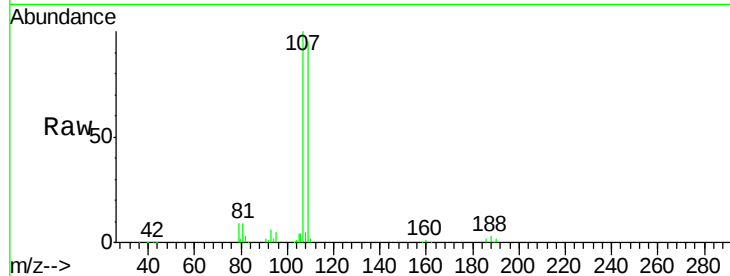
#61
 1,2-Dibromoethane
 Concen: 53.355 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 77749
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.4 113.0

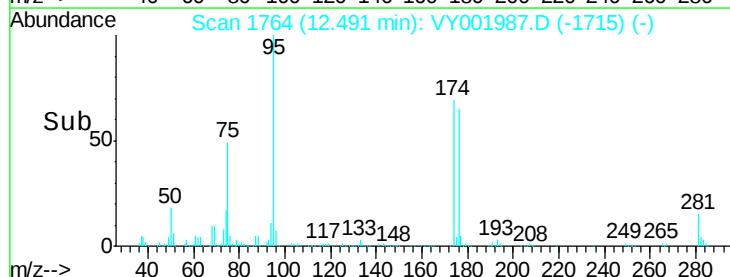
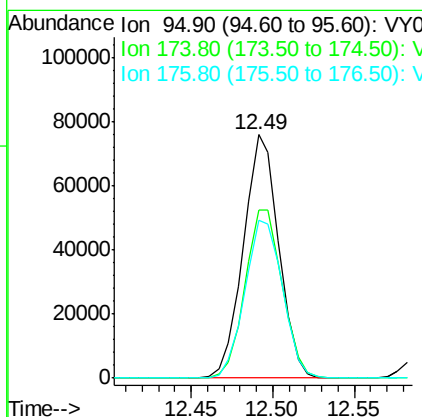
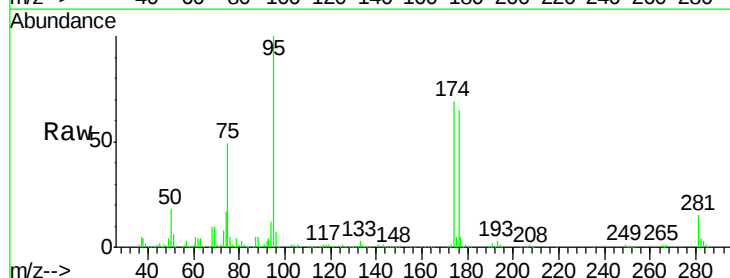
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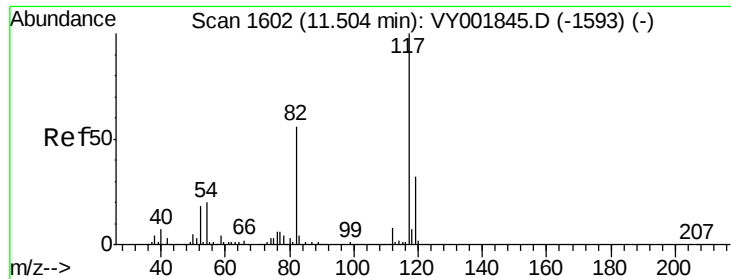
MMDadoda
 3/17/2020 12:06:24 PM



#62
 4-Bromofluorobenzene
 Concen: 50.539 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion: 95 Resp: 115112
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 145.0
 176 68.9 0.0 137.4





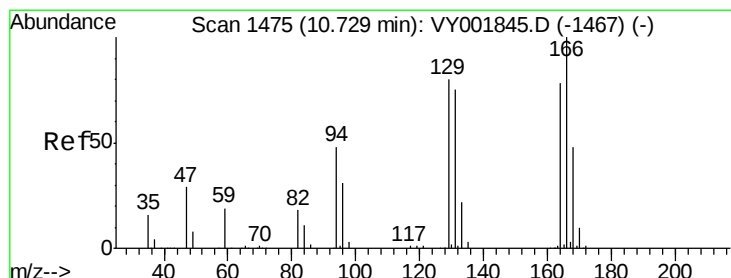
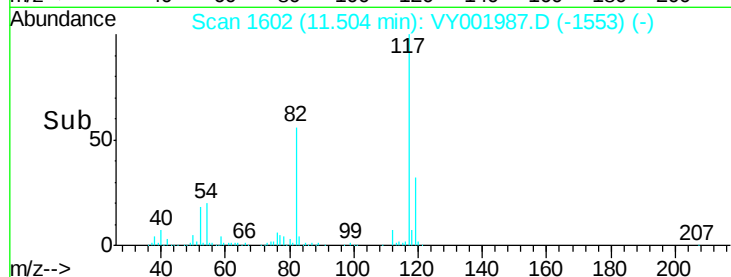
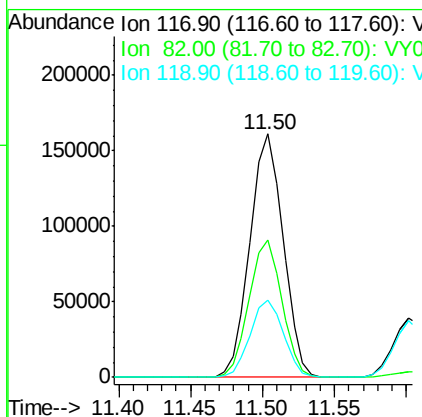
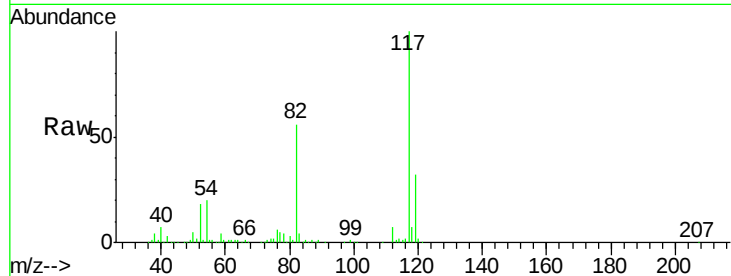
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.5	66.7
119	31.8	25.7	38.5

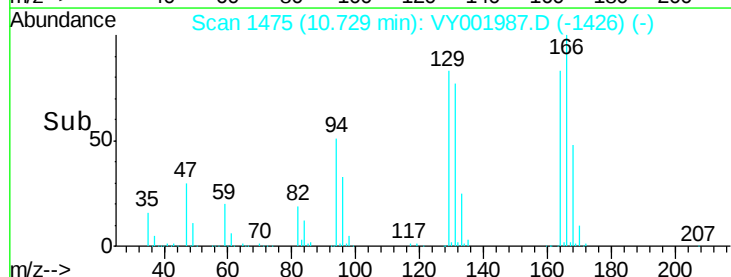
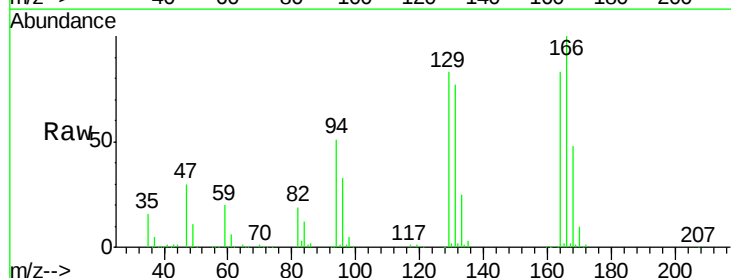
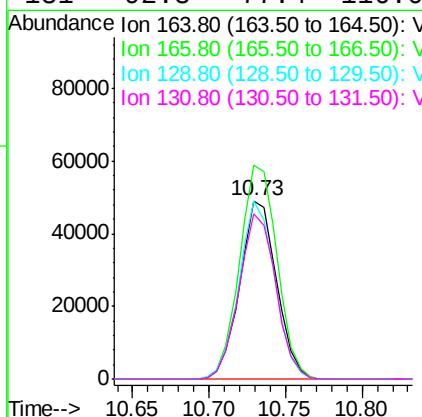
Manual Integrations
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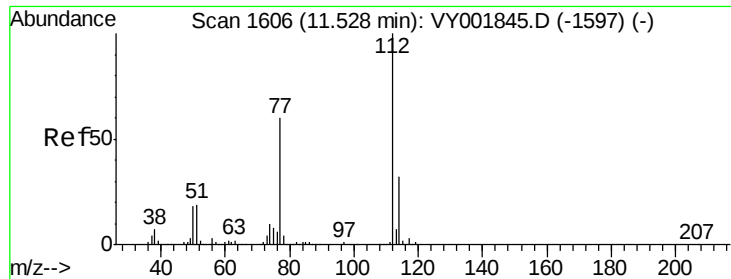
MMDadoda
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#64
Tetrachloroethene
Concen: 50.454 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.0	102.6	154.0
129	99.8	82.3	123.5
131	92.8	77.4	116.0





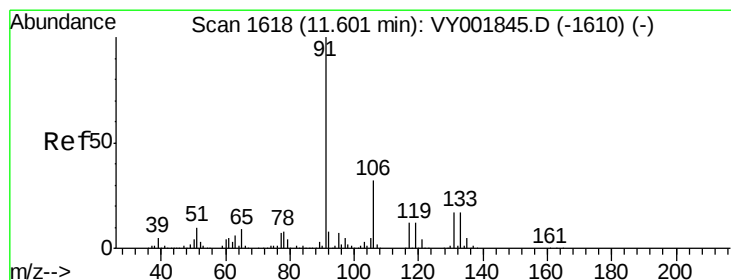
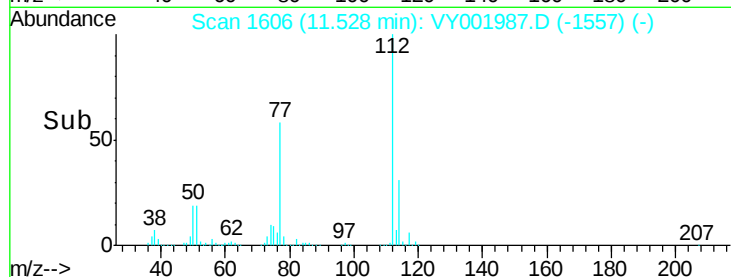
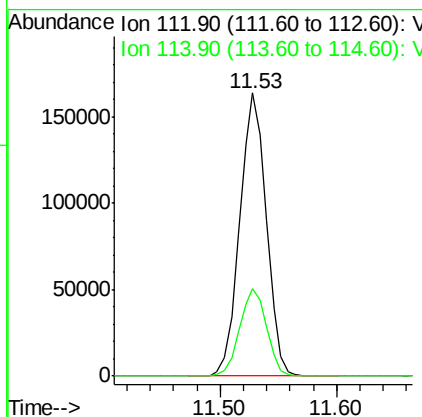
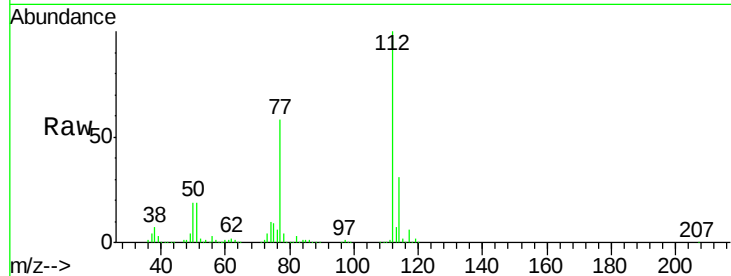
#65
Chlorobenzene
Concen: 50.661 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.9	38.9

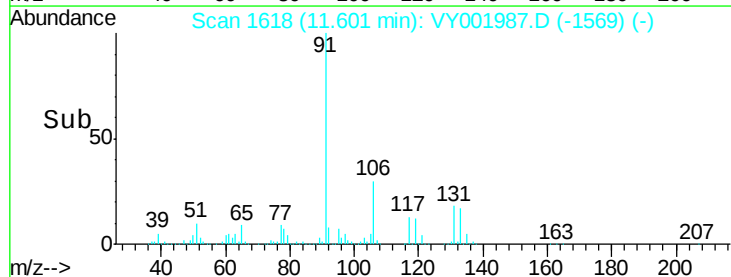
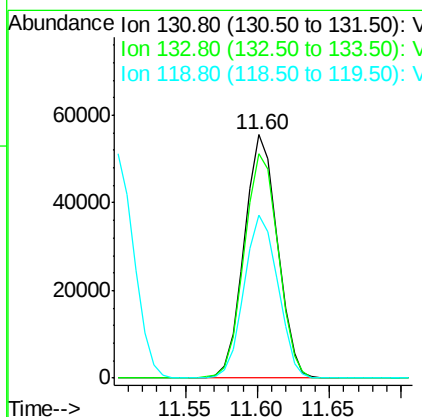
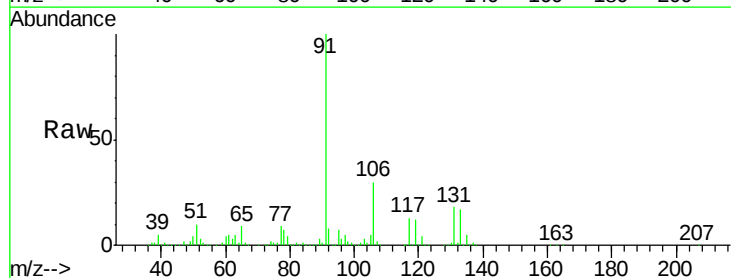
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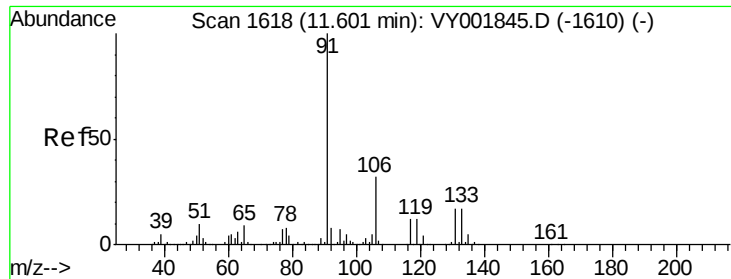
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.682 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.1	141.3
119	68.0	34.5	103.6





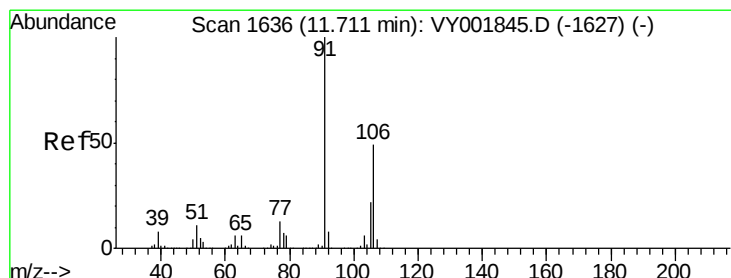
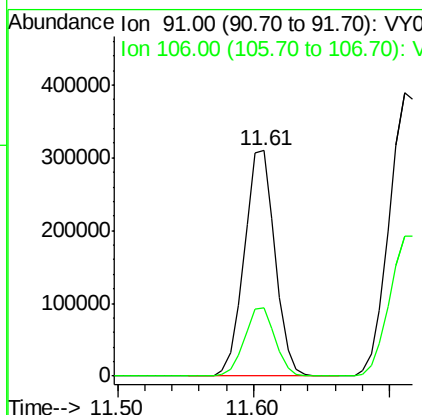
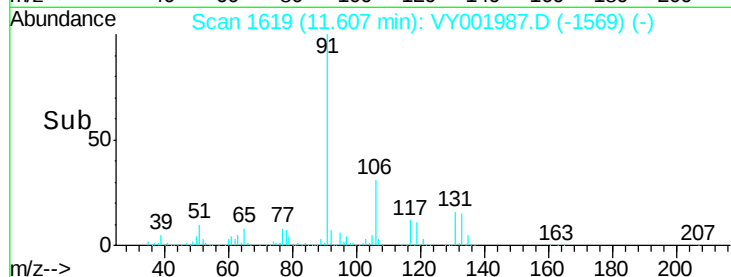
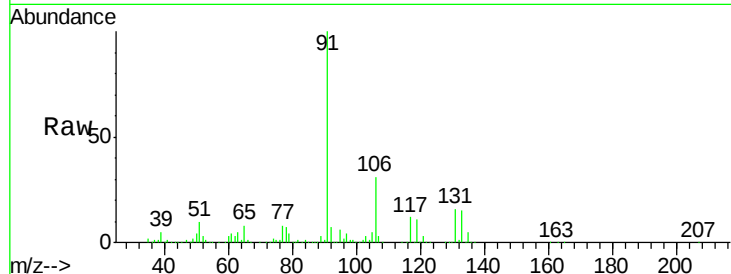
#67
Ethyl Benzene
Concen: 51.073 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 489075
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2

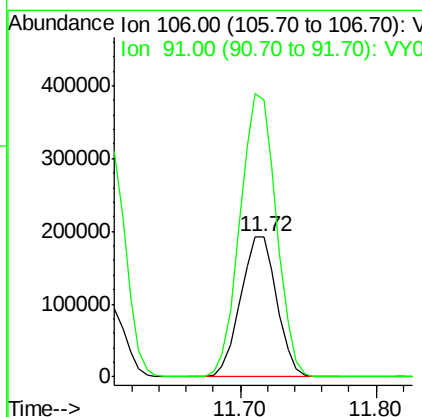
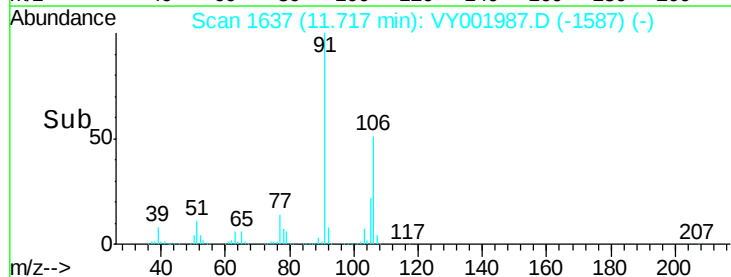
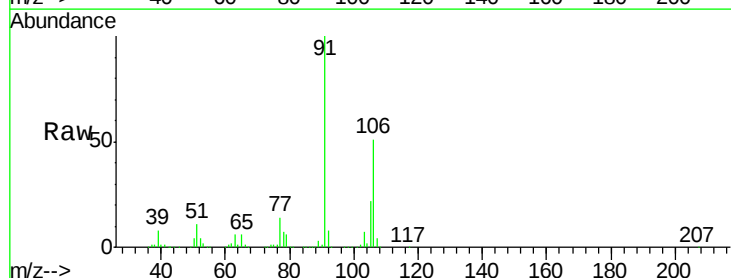
Manual Integrations
APPROVED

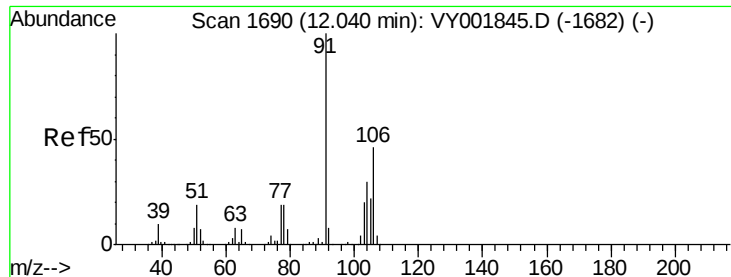
MMDadoda
3/17/2020 12:06:24 PM



#68
m/p-Xylenes
Concen: 101.550 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion: 106 Resp: 359524
Ion Ratio Lower Upper
106 100
91 201.0 161.3 241.9





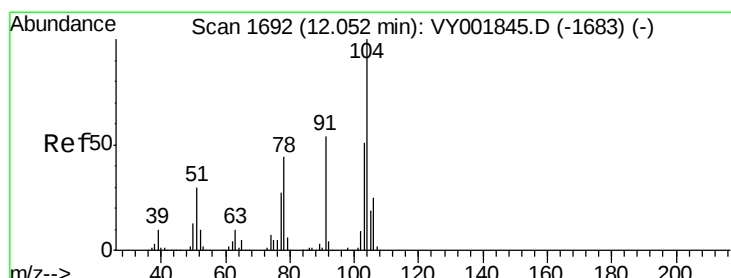
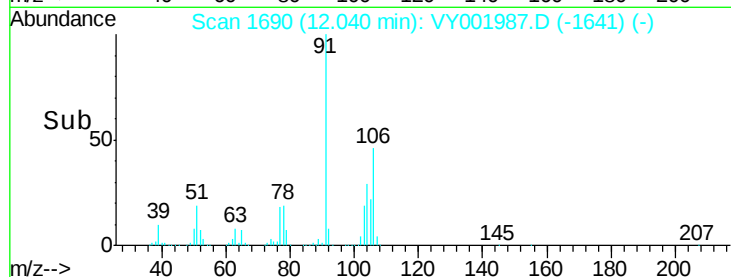
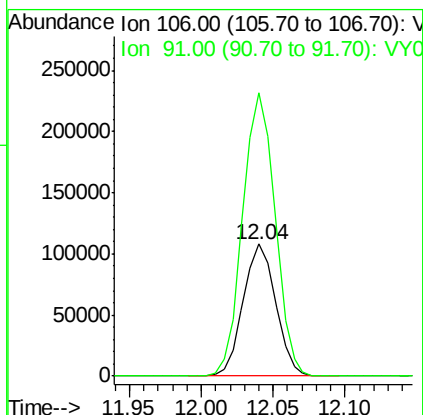
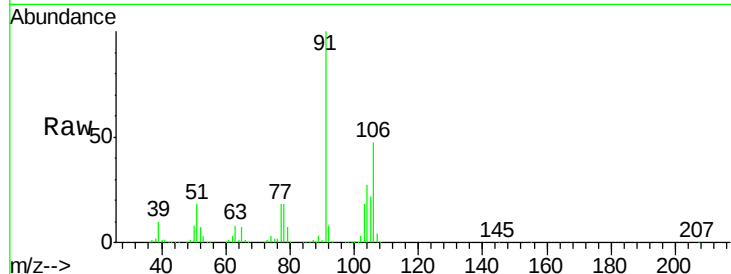
#69
o-Xylene
Concen: 50.621 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	106.8	320.4

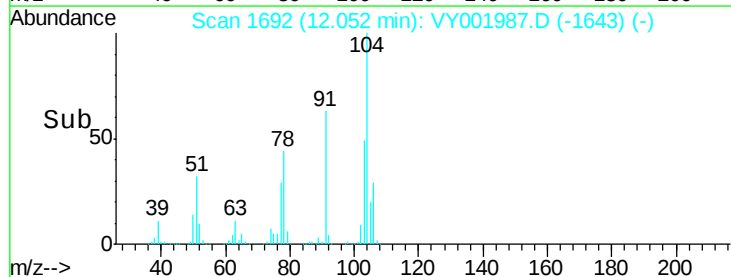
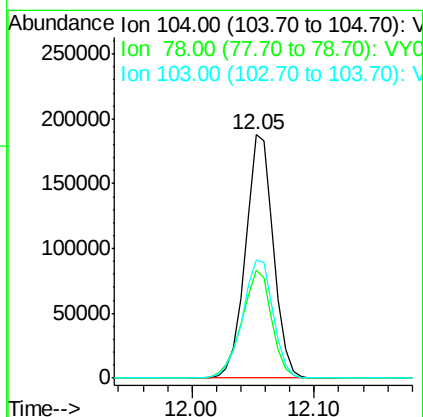
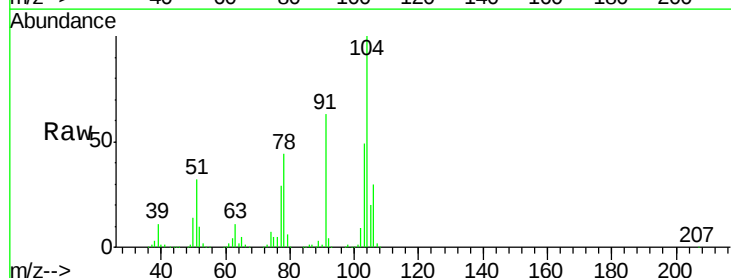
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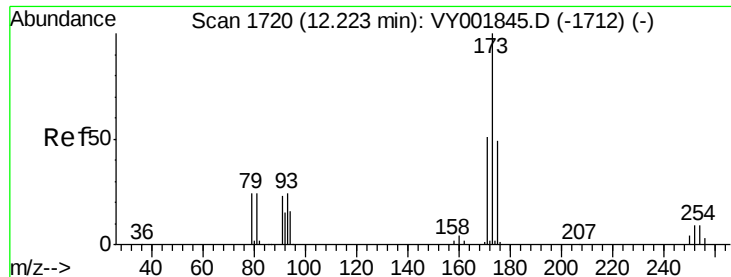
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#70
Styrene
Concen: 51.932 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.5	57.7
103	53.6	42.9	64.3





#71

Bromoform

Concen: 54.842 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

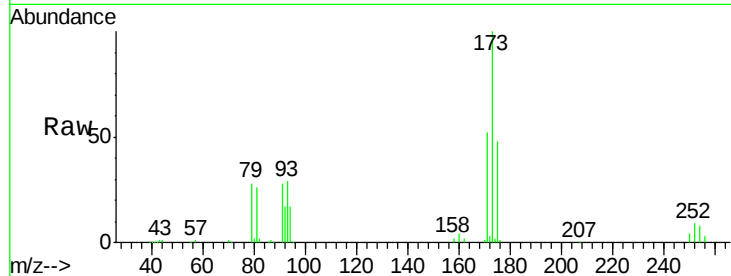
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VSTDCCC050EC

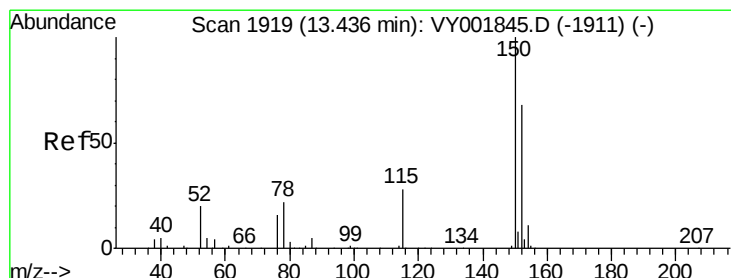
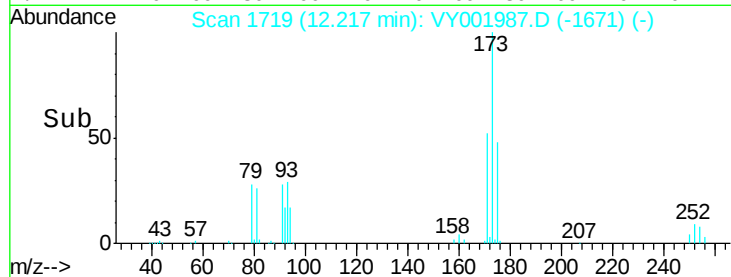
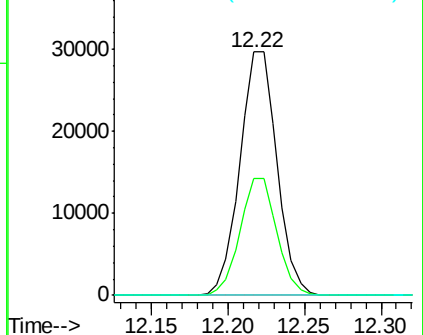
Tot Ion:	173	Resp:	50079
Ion Ratio	Lower	Upper	
173	100		
175	47.6	24.3	72.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

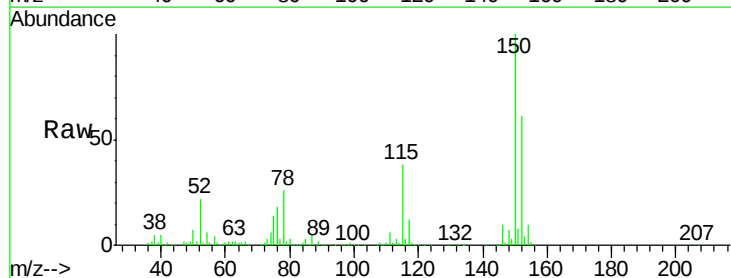
RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

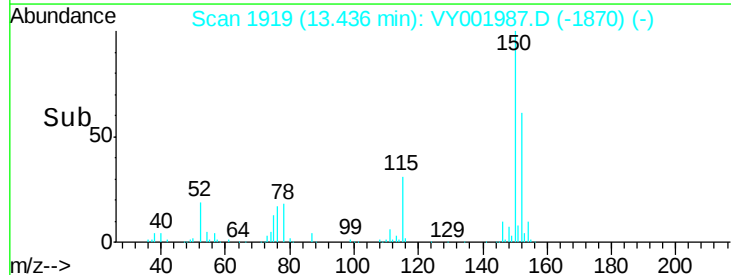
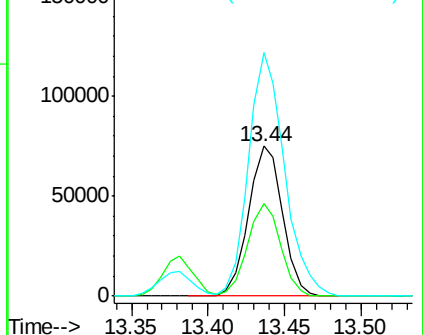
Lab File: VY001987.D

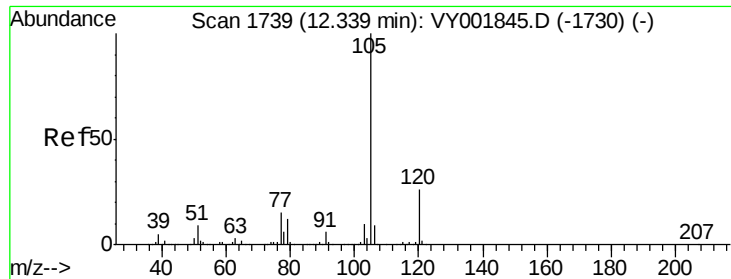
Acq: 16 Mar 2020 17:04

Tgt Ion:	152	Resp:	115623
Ion Ratio	Lower	Upper	
152	100		
115	60.4	29.9	89.7
150	172.4	0.0	340.6



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





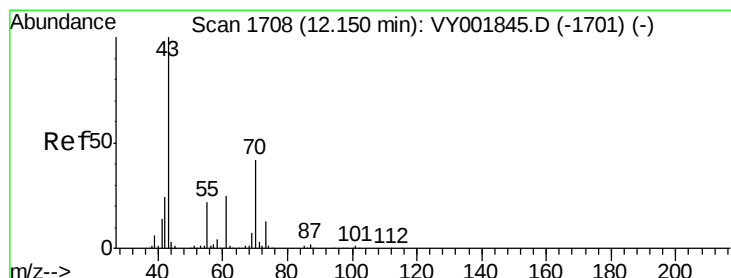
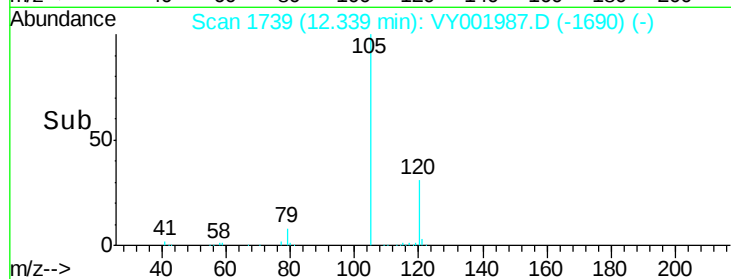
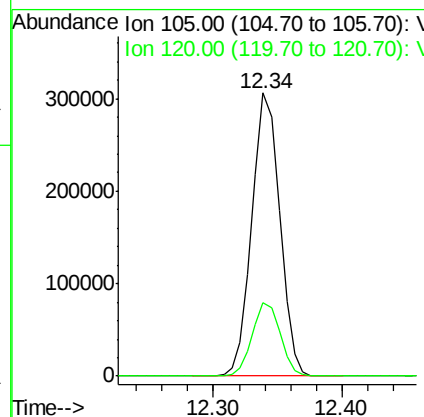
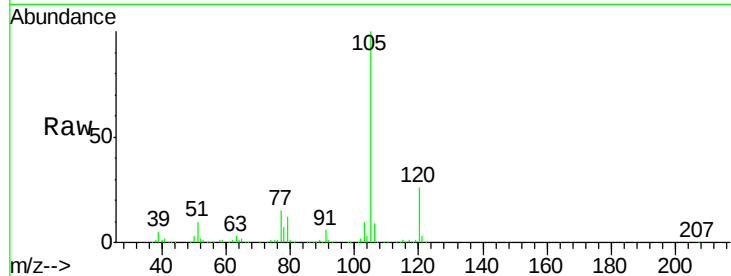
#73
Isopropylbenzene
Concen: 51.854 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

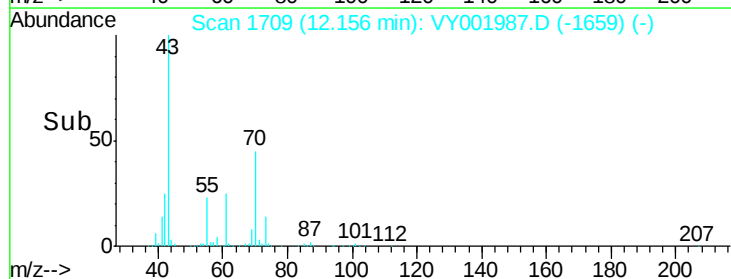
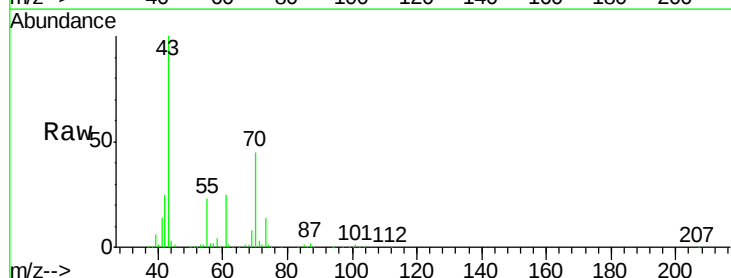
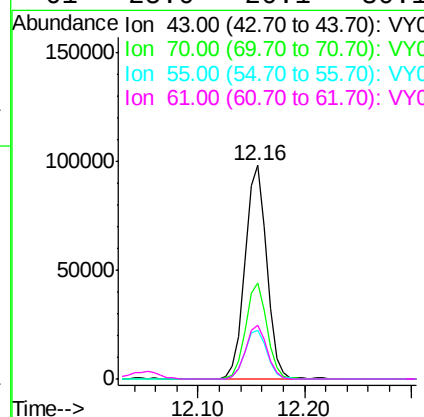
Manual Integrations
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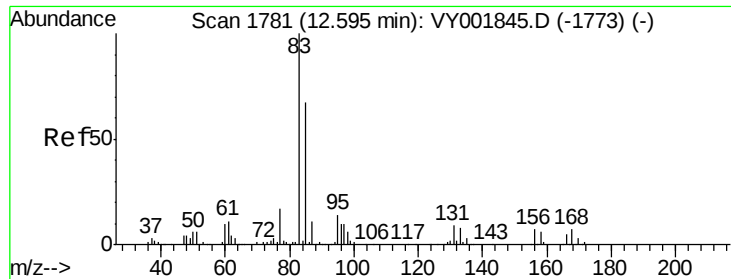
MMDadoda
3/17/2020 12:06:24 PM



#74
N-ethyl acetate
Concen: 52.197 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.3	34.7	52.1
55	23.7	18.2	27.4
61	25.0	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.205 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

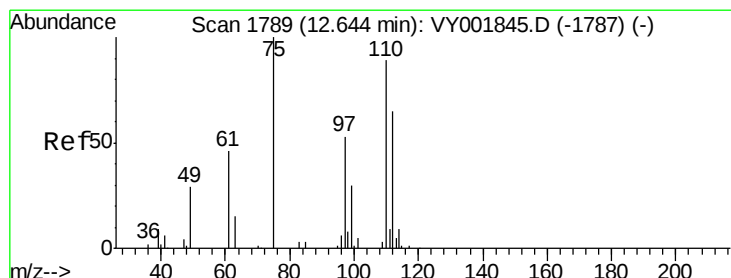
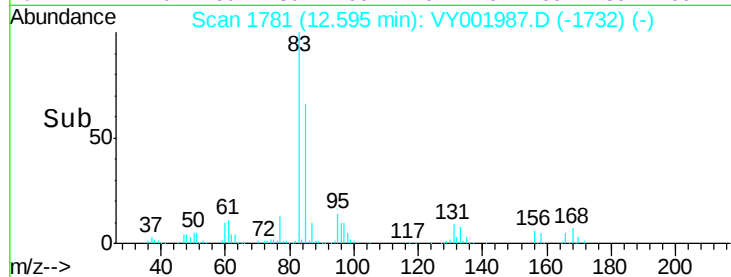
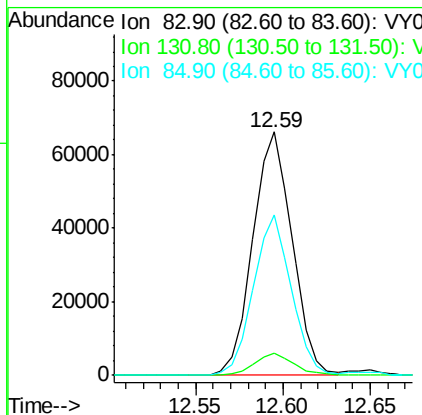
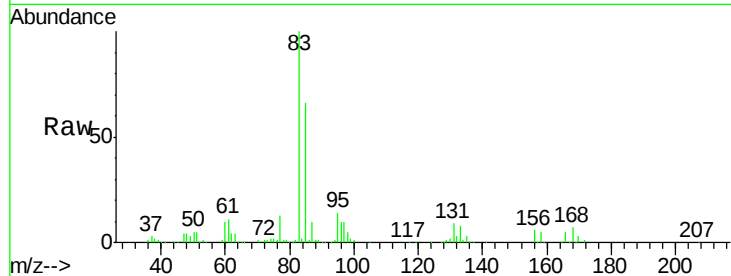
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	103173
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.6	13.8
85	63.5	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.550 ug/l m

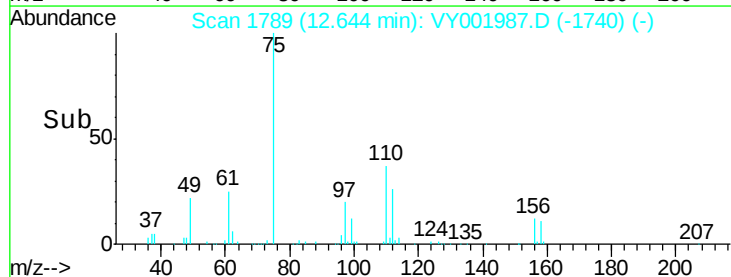
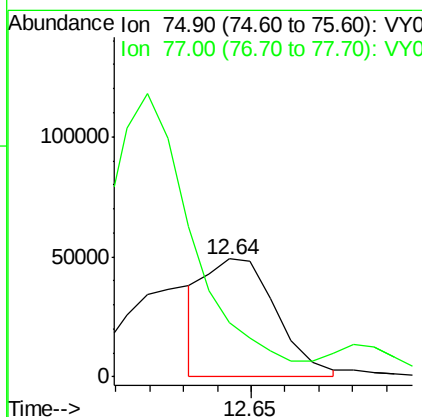
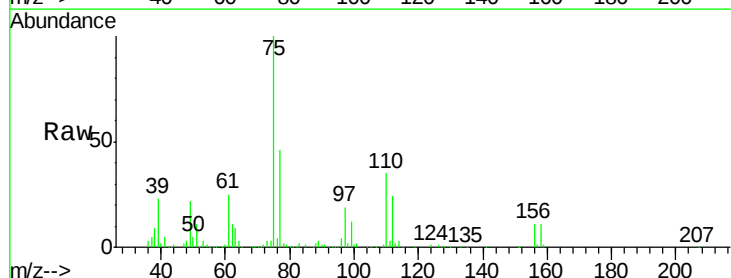
RT: 12.64 min Scan# 1789

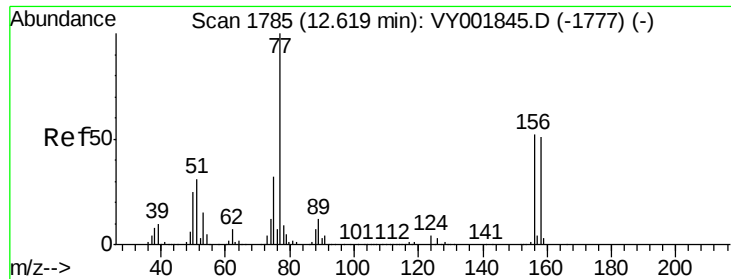
Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Tgt Ion:	75	Resp:	72095
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.652 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 98461

Ion Ratio Lower Upper

156 100

77 214.3 109.0 327.0

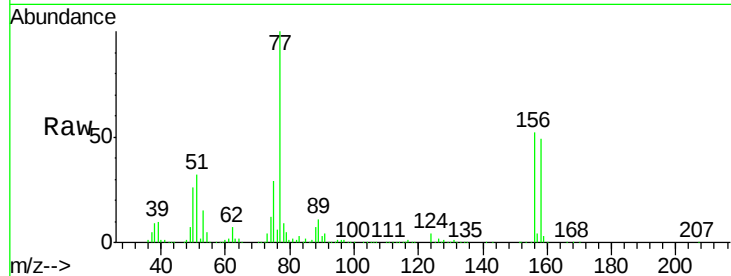
158 95.4 48.9 146.8

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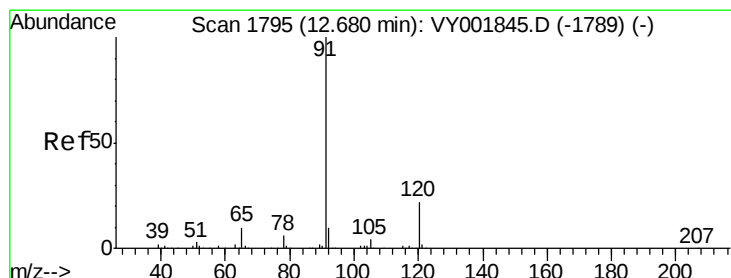
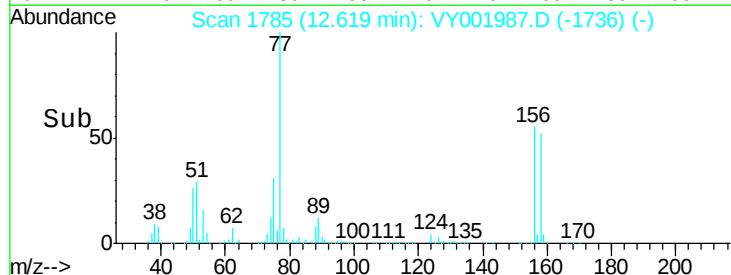
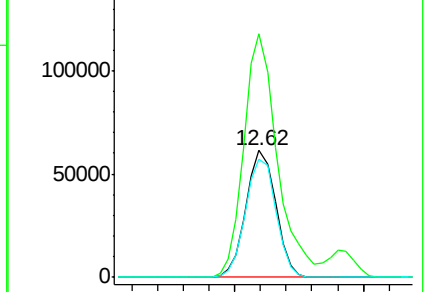
3/17/2020 12:06:24 PM



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: 51.207 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001987.D

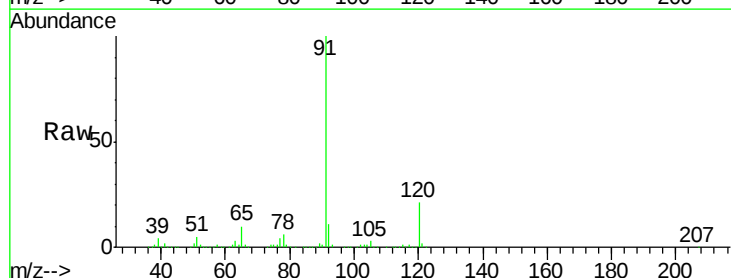
Acq: 16 Mar 2020 17:04

Tgt Ion: 91 Resp: 557600

Ion Ratio Lower Upper

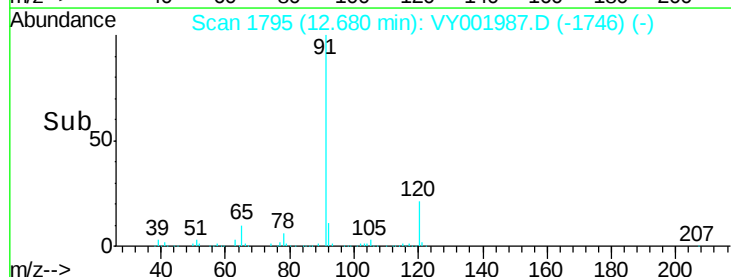
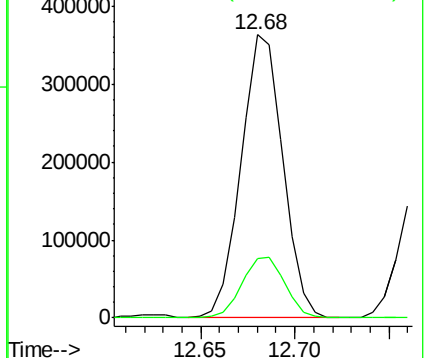
91 100

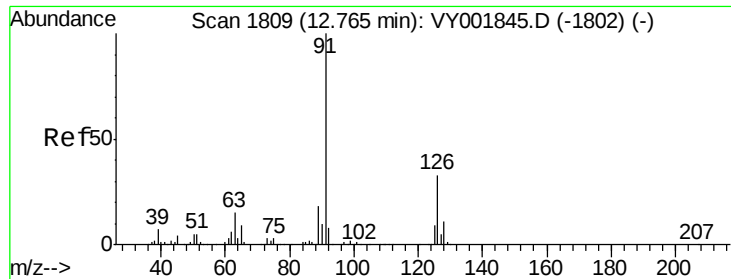
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





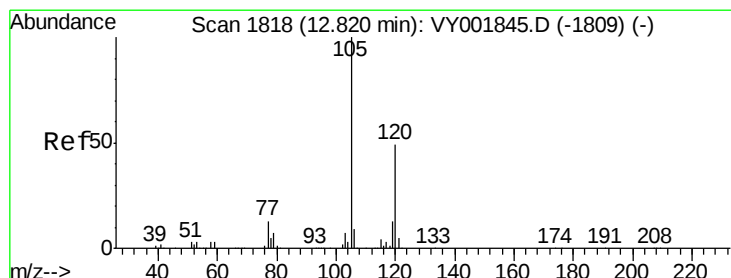
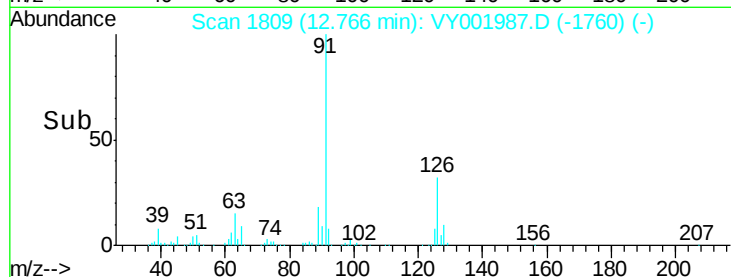
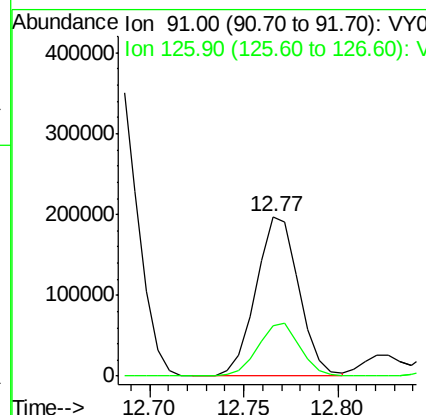
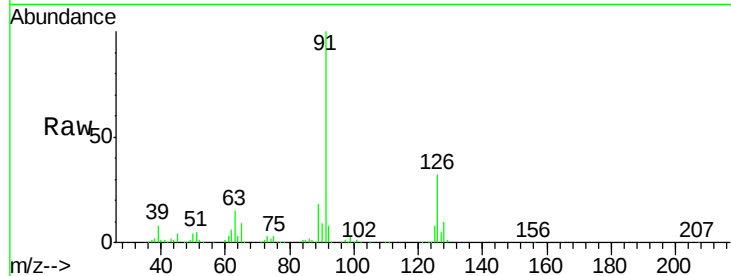
#79
 2-Chlorotoluene
 Concen: 51.603 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 310445
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.8

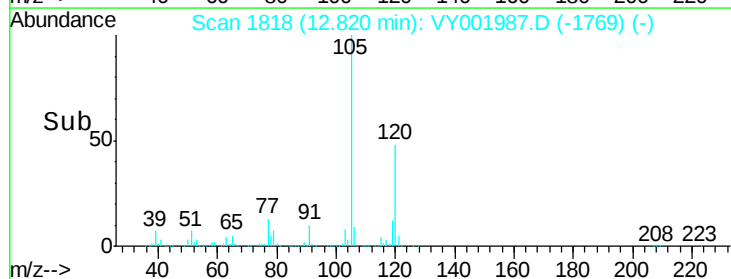
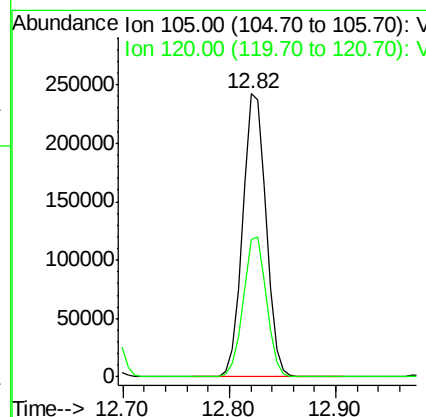
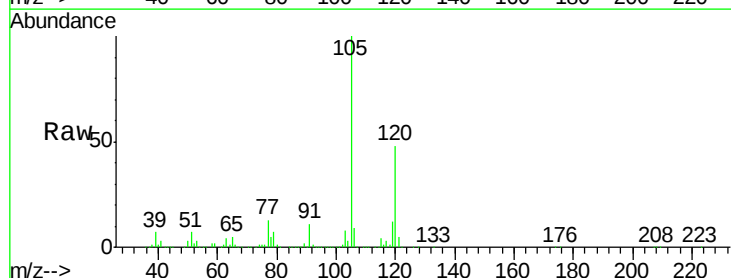
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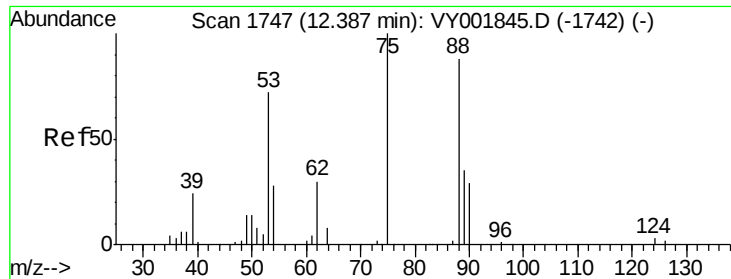
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.407 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion: 105 Resp: 373538
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.4 73.2





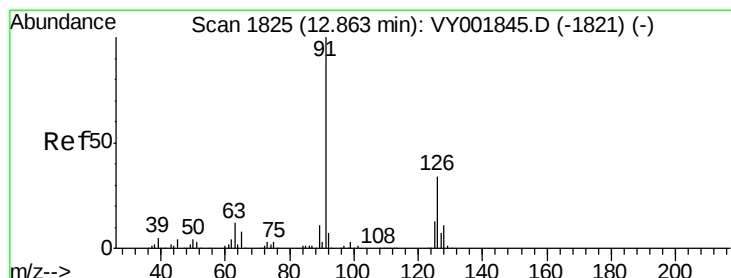
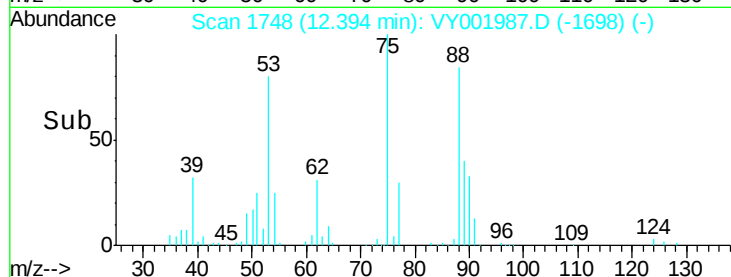
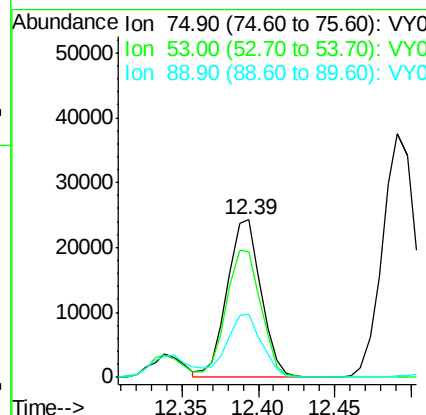
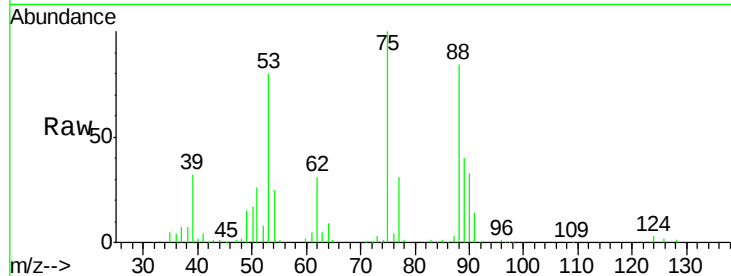
#81
trans-1,4-Dichloro-2-butene
Concen: 55.365 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.2	65.4	98.0
89	40.8	36.0	54.0

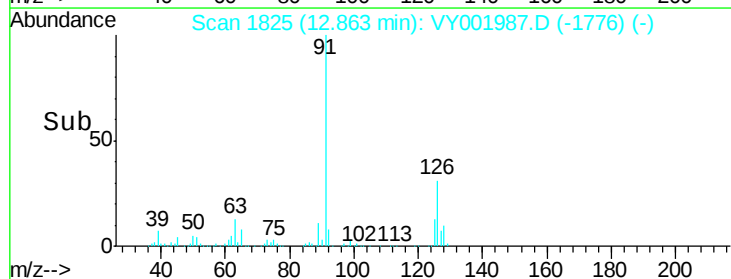
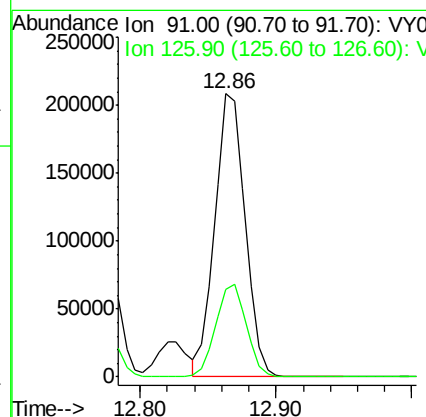
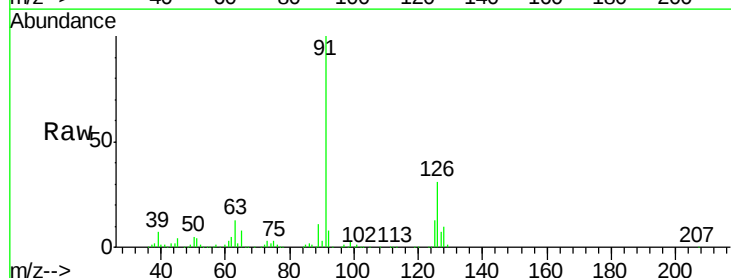
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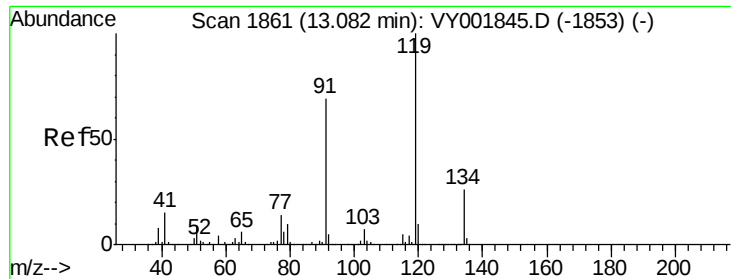
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#82
4-Chlorotoluene
Concen: 51.298 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.2





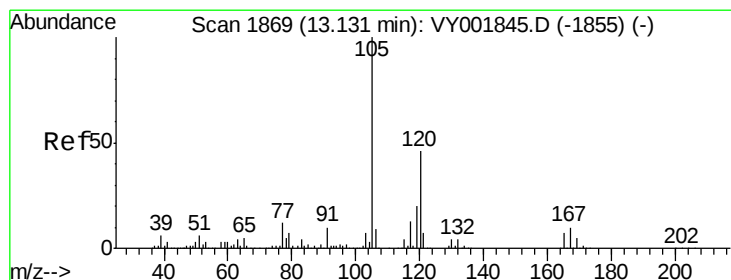
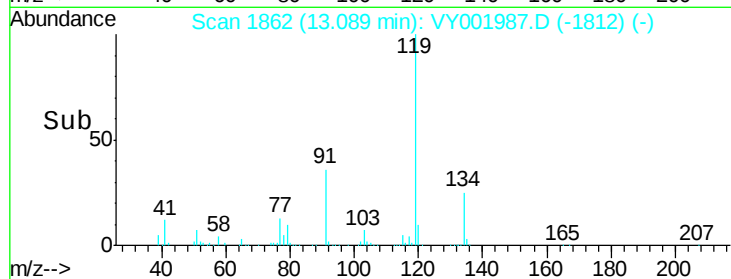
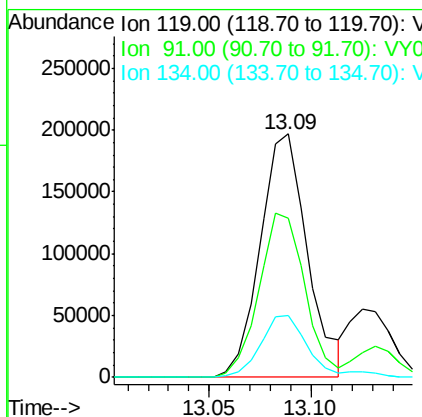
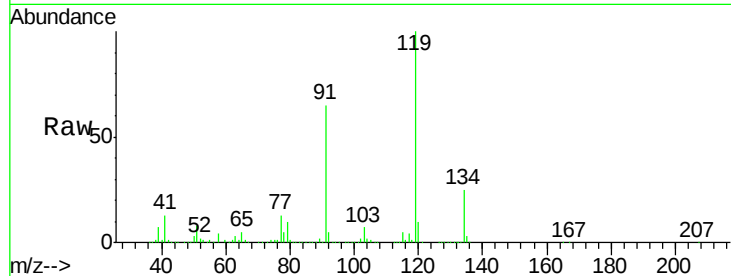
#83
tert-Butylbenzene
Concen: 52.678 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	34.0	101.8
134	26.3	13.5	40.4

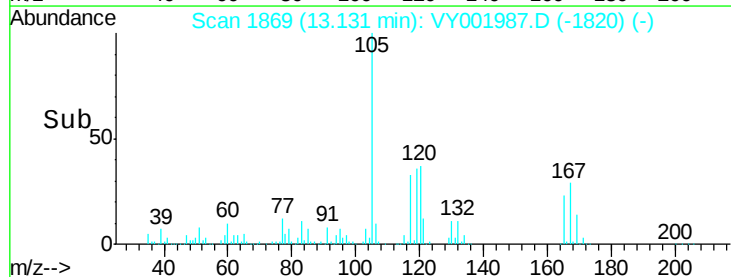
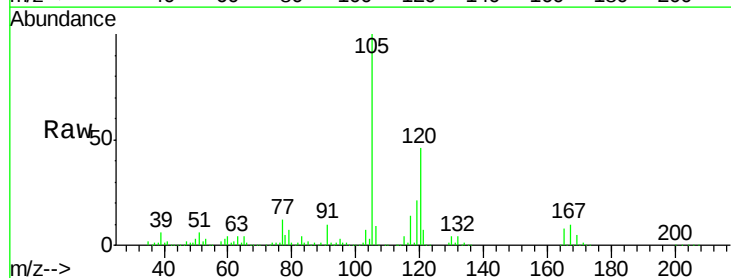
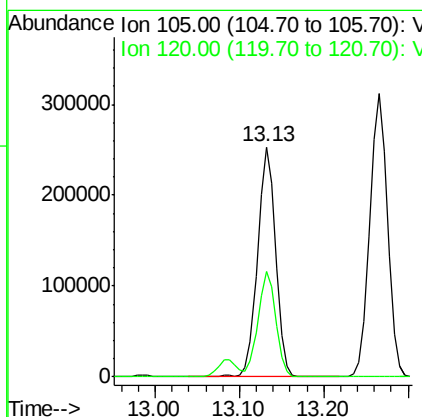
Manual Integrations
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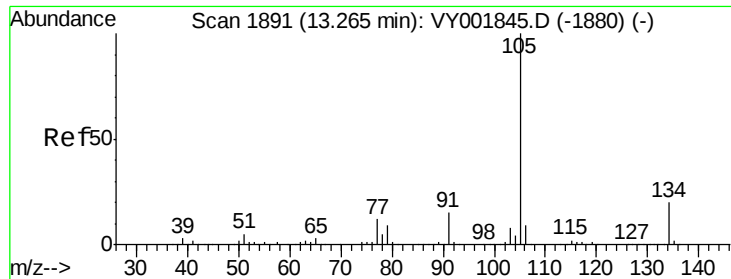
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.503 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 51.513 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 458247

Ion Ratio Lower Upper

105 100

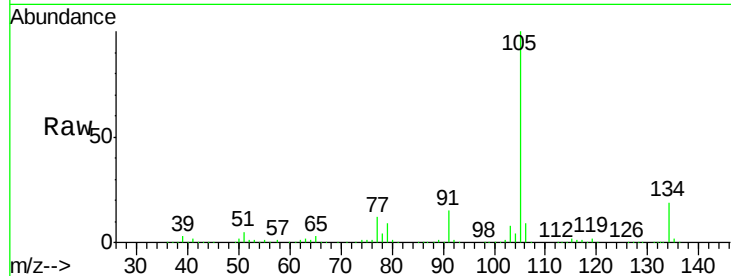
134 19.4 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

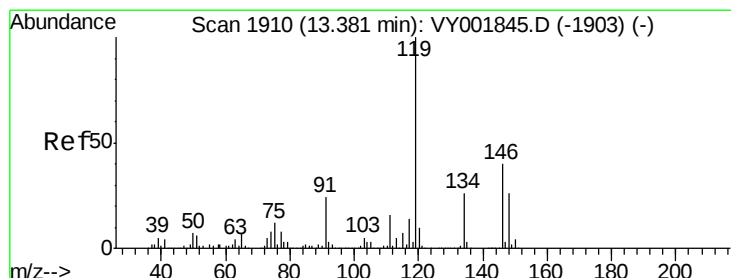
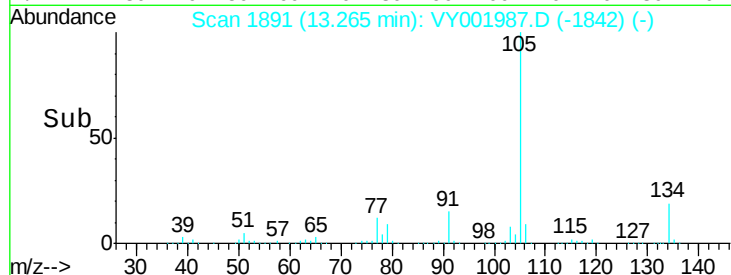
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.973 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

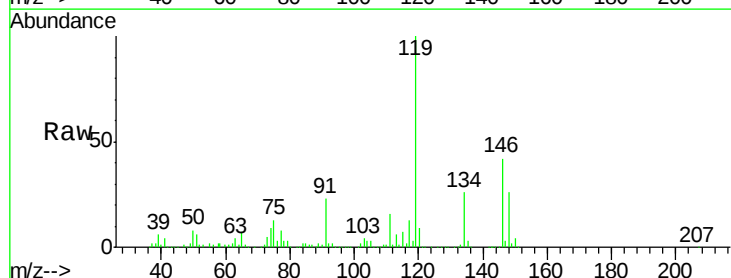
Tgt Ion:119 Resp: 391155

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.5 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

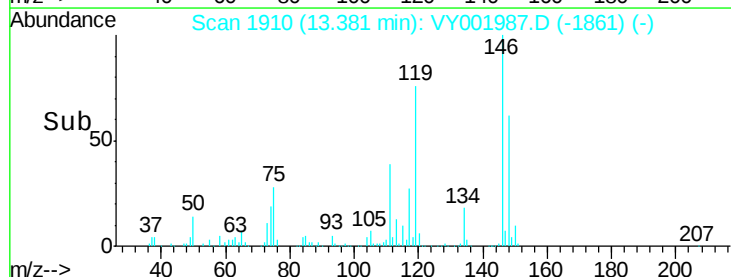
300000

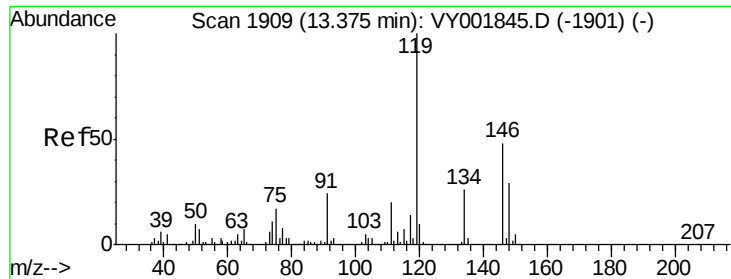
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.946 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

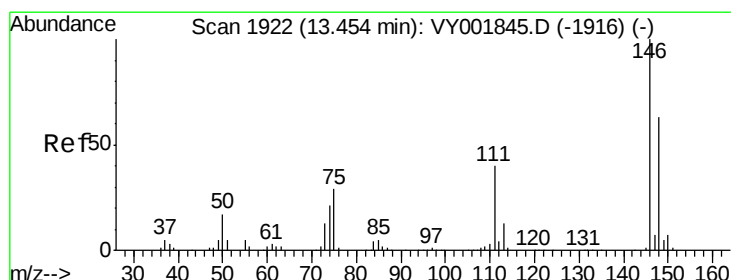
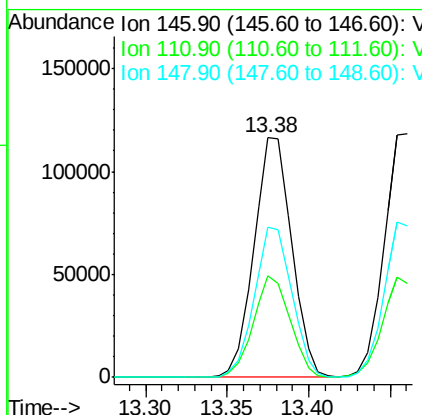
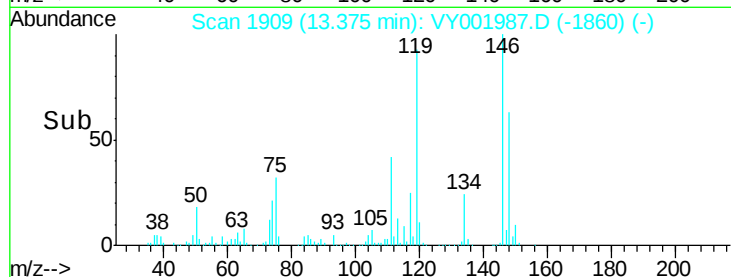
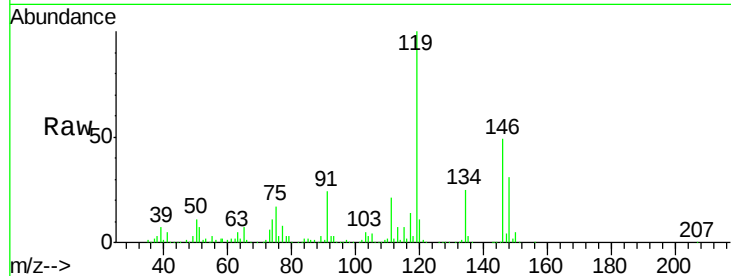
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	62.1	31.4	94.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.670 ug/l

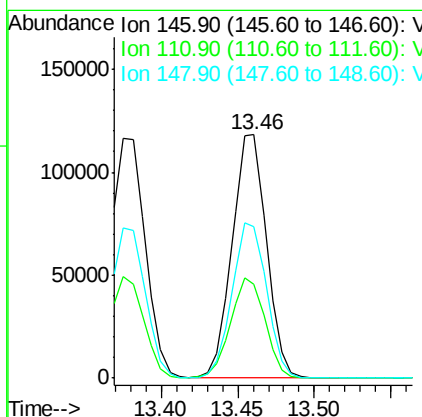
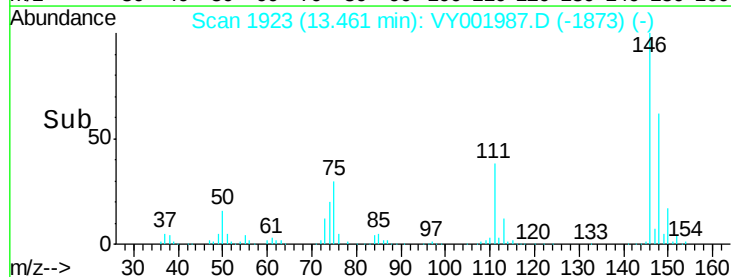
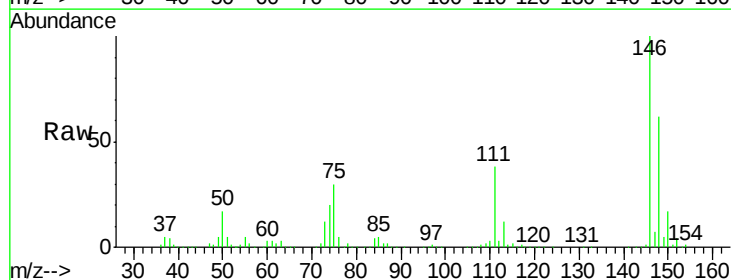
RT: 13.46 min Scan# 1923

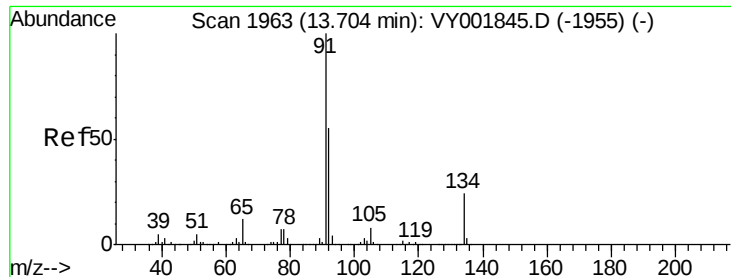
Delta R.T. 0.01 min

Lab File: VY001987.D

Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.0	60.0
148	64.1	31.5	94.5





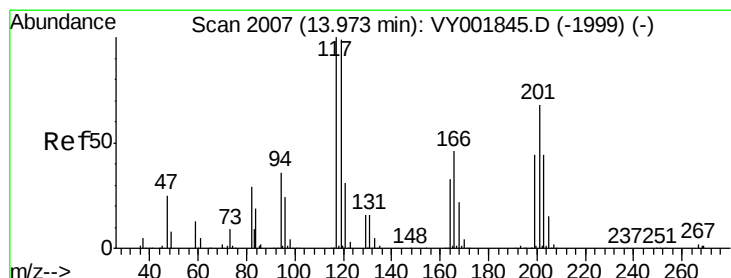
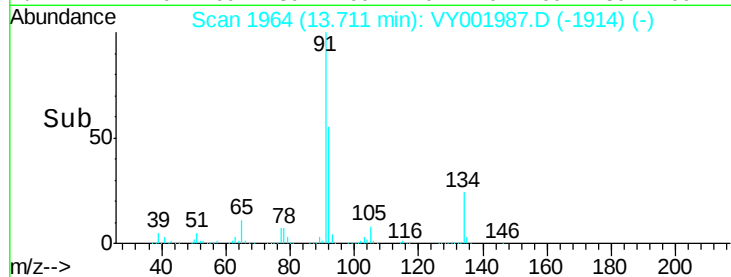
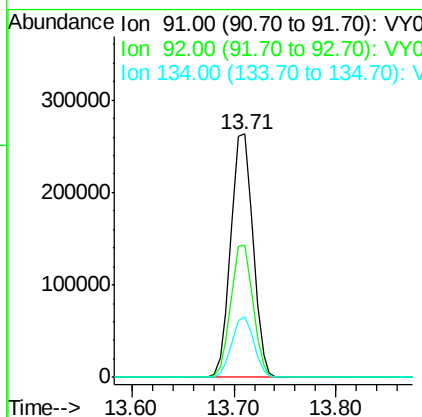
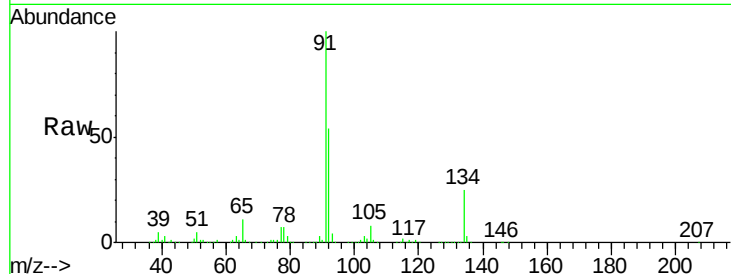
#89
n-Butylbenzene
Concen: 49.478 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	393916		
92	54.0		27.5	82.4
134	24.7		12.5	37.5

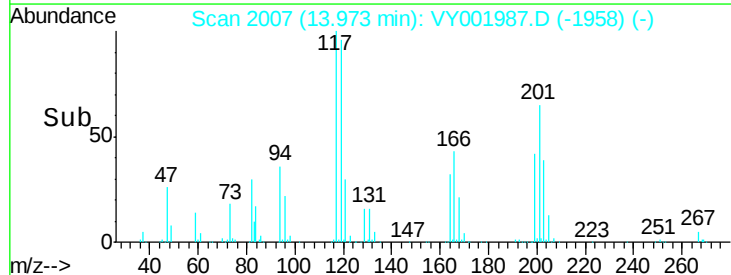
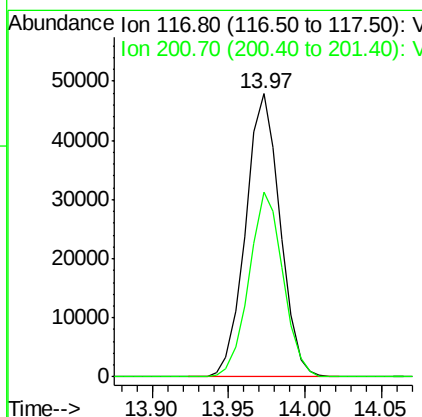
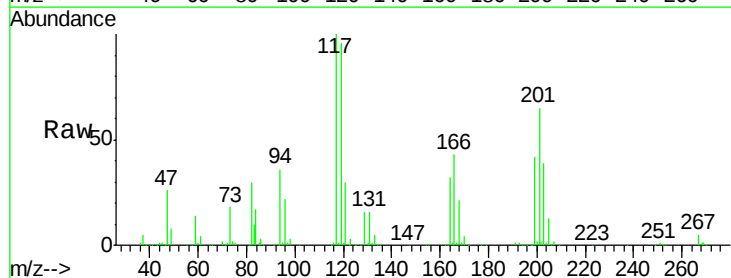
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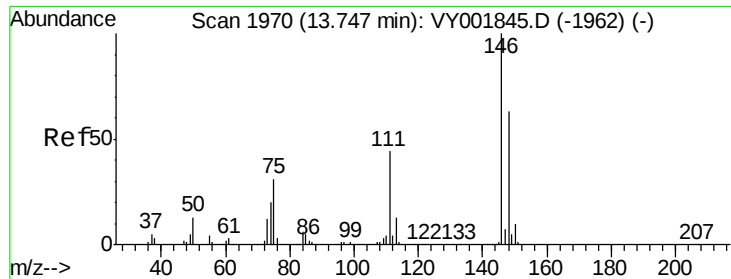
MMDadoda
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#90
Hexachloroethane
Concen: 51.792 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	74977		
201	64.7		32.5	97.5





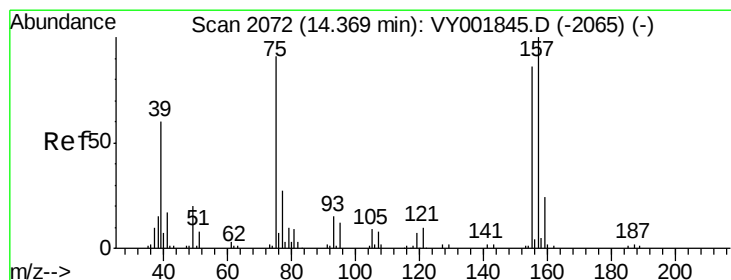
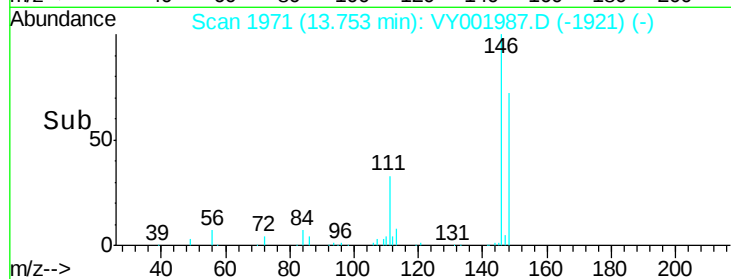
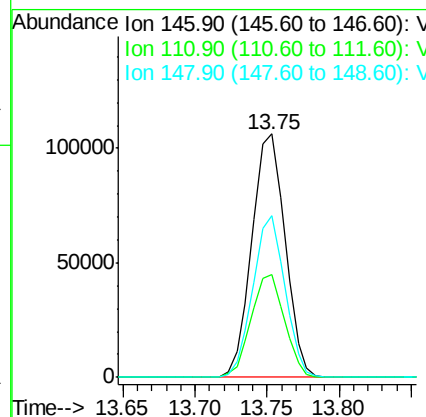
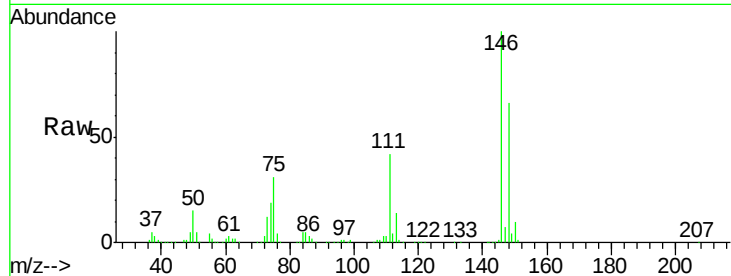
#91
 1,2-Dichlorobenzene
 Concen: 50.930 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.5	64.5
148	64.2	32.0	96.0

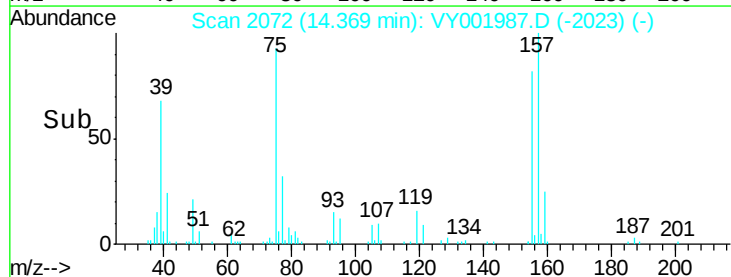
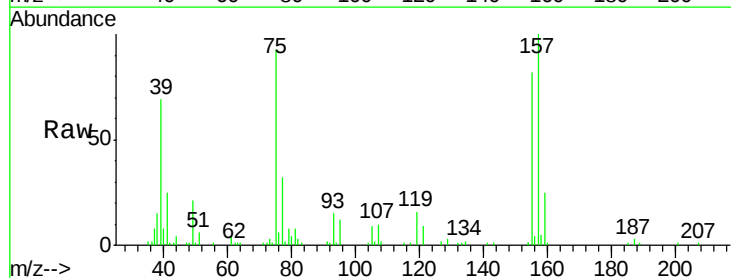
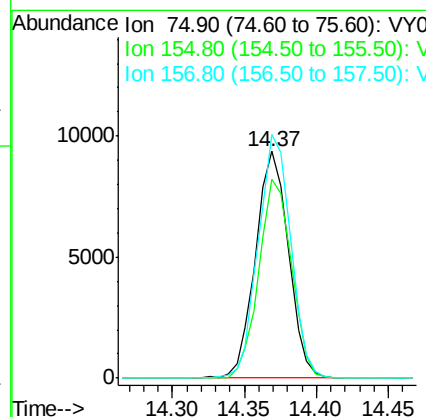
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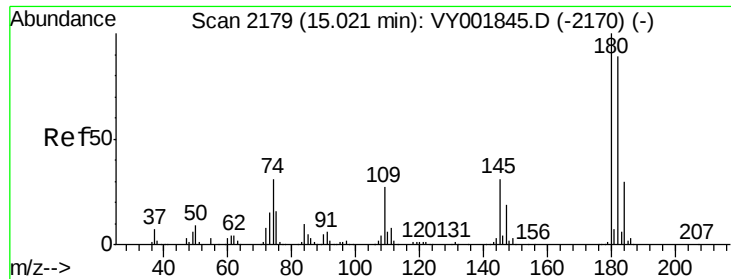
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.806 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001987.D
 Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	42.9	128.7
157	106.1	53.1	159.4





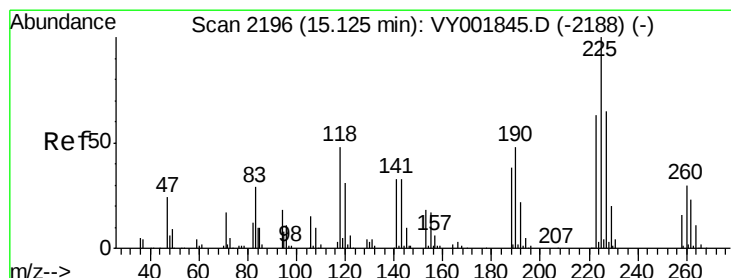
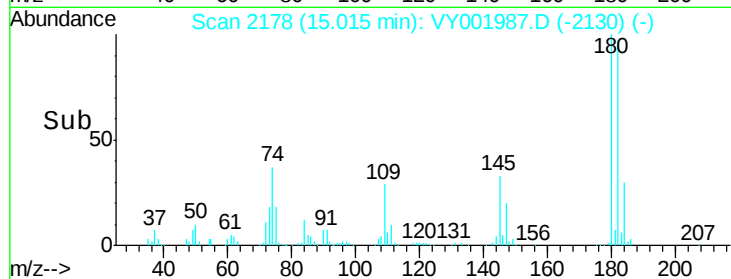
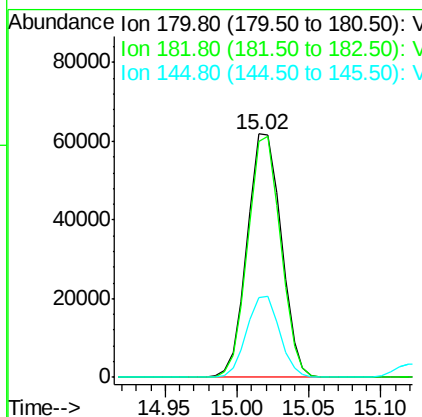
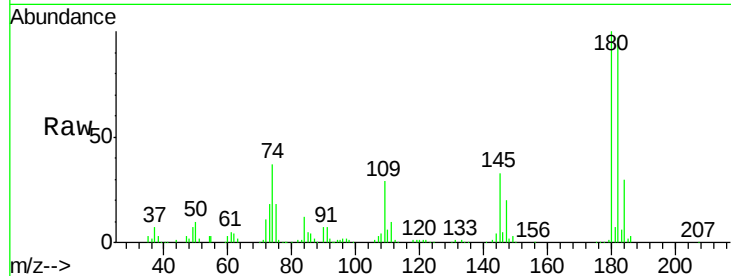
#93
1,2,4-Trichlorobenzene
Concen: 46.908 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.1	138.3
145	32.2	15.6	46.8

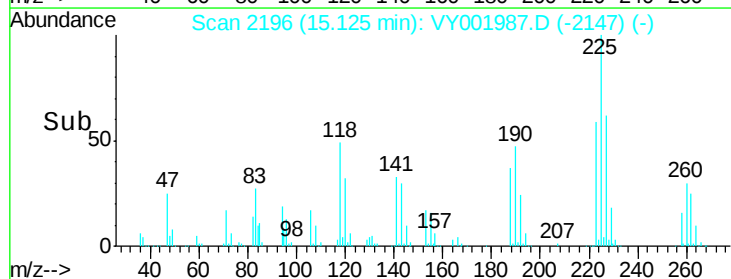
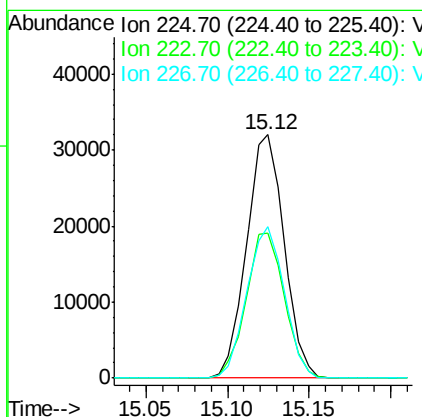
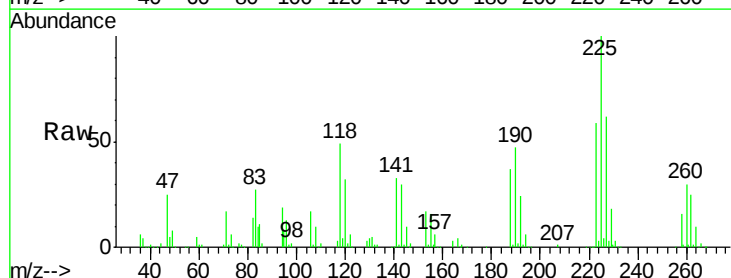
Manual Integrations
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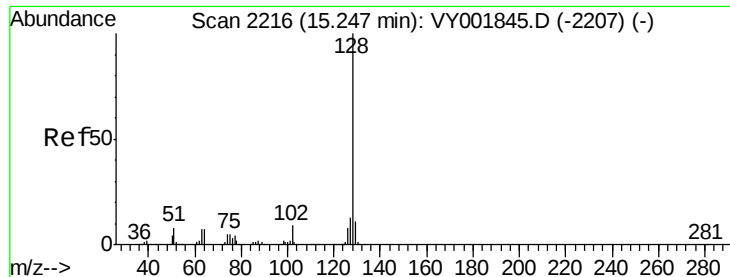
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#94
Hexachlorobutadiene
Concen: 48.712 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.5	94.5
227	61.9	31.9	95.5





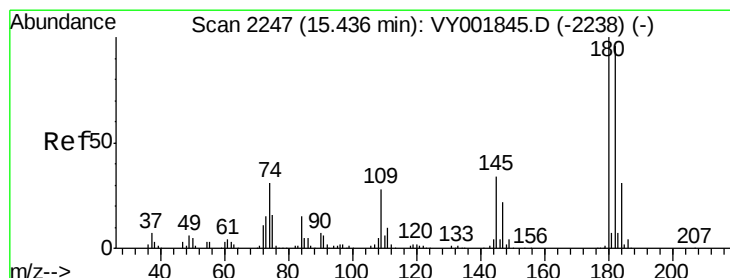
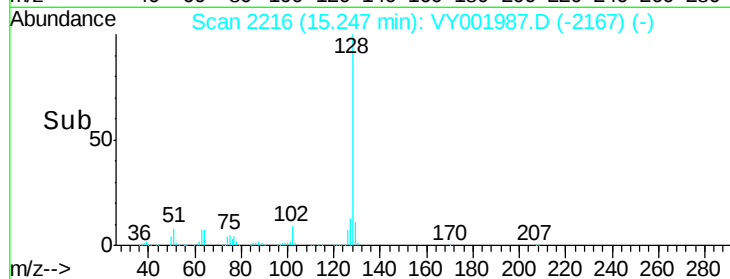
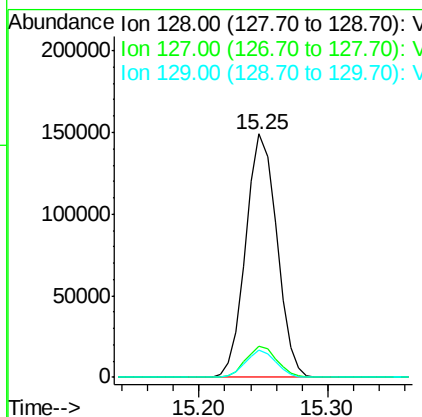
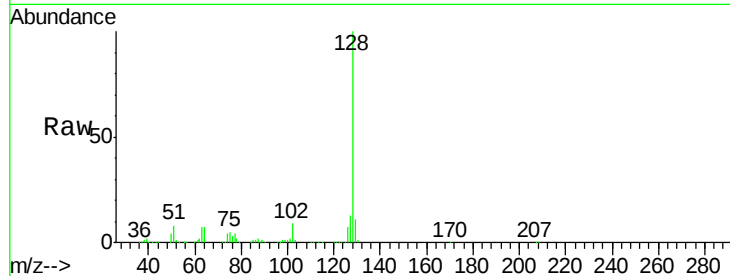
#95
Naphthalene
Concen: 48.495 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	248346		
127	12.7		10.1	15.1
129	11.0		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.325 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY001987.D
Acq: 16 Mar 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90009		
182	94.9		47.6	142.9
145	33.6		16.8	50.3

