

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002226.D
 Acq On : 06 Apr 2020 10:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 7:06:00 PM

Quant Time: Apr 07 04:41:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	169562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	306064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	270081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	123558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	91123	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.74	113	87846	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.19	98	359987	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.49	95	126190	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	50534	45.738	ug/l	98
3) Chloromethane	2.13	50	82337	41.552	ug/l	99
4) Vinyl Chloride	2.27	62	86804	43.072	ug/l	99
5) Bromomethane	2.66	94	60717	46.165	ug/l	99
6) Chloroethane	2.81	64	58492	45.201	ug/l	95
7) Trichlorofluoromethane	3.15	101	132783	48.080	ug/l	100
8) Diethyl Ether	3.55	74	57356	49.034	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	90004	49.673	ug/l	98
10) Methyl Iodide	4.11	142	105020	48.743	ug/l	99
11) Tert butyl alcohol	4.99	59	51409	232.732	ug/l	98
12) 1,1-Dichloroethene	3.90	96	91543	49.755	ug/l	96
13) Acrolein	3.76	56	75394	273.084	ug/l	100
14) Allyl chloride	4.51	41	161999	48.096	ug/l	99
15) Acrylonitrile	5.19	53	153842	250.926	ug/l	99
16) Acetone	3.97	43	150660	286.084	ug/l	94
17) Carbon Disulfide	4.22	76	291294	47.706	ug/l	99
18) Methyl Acetate	4.50	43	64212	46.955	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	259842	50.625	ug/l	96
20) Methylene Chloride	4.74	84	105461	48.183	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	105129	50.184	ug/l	97
22) Diisopropyl ether	6.14	45	333773	48.422	ug/l	96
23) Vinyl Acetate	6.08	43	1100610	243.498	ug/l	98
24) 1,1-Dichloroethane	6.05	63	182521	49.802	ug/l	99
25) 2-Butanone	7.01	43	211370	261.390	ug/l	98
26) 2,2-Dichloropropane	7.00	77	151629	50.234	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	115233	50.000	ug/l	99
28) Bromochloromethane	7.35	49	80670	48.214	ug/l	96
29) Tetrahydrofuran	7.36	42	128294	241.985	ug/l	97
30) Chloroform	7.53	83	173064	49.819	ug/l	99
31) Cyclohexane	7.80	56	176920	45.303	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	146447	50.492	ug/l	98
36) 1,1-Dichloropropene	7.94	75	144200	49.811	ug/l	99
37) Ethyl Acetate	7.10	43	84053	48.046	ug/l	98
38) Carbon Tetrachloride	7.92	117	126374	51.453	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	186962	49.236	ug/l	96
40) Benzene	8.17	78	423782	49.420	ug/l	98
41) Methacrylonitrile	7.34	41	49380m	55.803	ug/l	
42) 1,2-Dichloroethane	8.25	62	111871	49.139	ug/l	100
43) Isopropyl Acetate	8.28	43	158471	48.806	ug/l	98
44) Trichloroethene	8.96	130	106738	51.637	ug/l	96
45) 1,2-Dichloropropane	9.23	63	109617	50.204	ug/l	99
46) Dibromomethane	9.32	93	56633	50.506	ug/l	97
47) Bromodichloromethane	9.51	83	135369	51.858	ug/l	97
48) Methyl methacrylate	9.30	41	71544	49.169	ug/l	98
49) 1,4-Dioxane	9.31	88	14943	971.131	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	415514	248.522	ug/l	98
52) Toluene	10.25	92	262899	50.689	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	148907	51.395	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	174370	51.117	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	84717	51.047	ug/l	98
56) Ethyl methacrylate	10.52	69	124955	51.550	ug/l	96
57) 1,3-Dichloropropane	10.80	76	146858	50.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	323875	260.029	ug/l	98
59) 2-Hexanone	10.84	43	305802	259.650	ug/l	97
60) Dibromochloromethane	10.99	129	92071	53.017	ug/l	100
61) 1,2-Dibromoethane	11.10	107	79089	50.915	ug/l	100
64) Tetrachloroethene	10.73	164	88372	53.480	ug/l	97
65) Chlorobenzene	11.52	112	267407	51.292	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	91137	52.253	ug/l	99
67) Ethyl Benzene	11.60	91	503314	51.980	ug/l	98
68) m/p-Xylenes	11.71	106	374608	104.637	ug/l	98
69) o-Xylene	12.03	106	174811	51.474	ug/l	99
70) Styrene	12.05	104	306449	52.075	ug/l	100
71) Bromoform	12.22	173	52397	54.849	ug/l #	99
73) Isopropylbenzene	12.34	105	471894	51.485	ug/l	100
74) N-amyl acetate	12.15	43	143701	49.710	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	102533	51.986	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	63319m	45.813	ug/l	
77) Bromobenzene	12.62	156	102540	52.407	ug/l	97
78) n-propylbenzene	12.68	91	585242	51.453	ug/l	100
79) 2-Chlorotoluene	12.77	91	317324	50.811	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	393350	52.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	38781	54.361	ug/l	97
82) 4-Chlorotoluene	12.86	91	335708	51.012	ug/l	100
83) tert-Butylbenzene	13.08	119	324843	51.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	389847	51.671	ug/l	99
85) sec-Butylbenzene	13.26	105	482814	51.642	ug/l	100
86) p-Isopropyltoluene	13.38	119	419832	52.292	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	195907	51.182	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	198833	51.622	ug/l	99
89) n-Butylbenzene	13.70	91	423544	50.632	ug/l	99
90) Hexachloroethane	13.97	117	81333	53.762	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	181457	51.335	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	15576	49.302	ug/l	97

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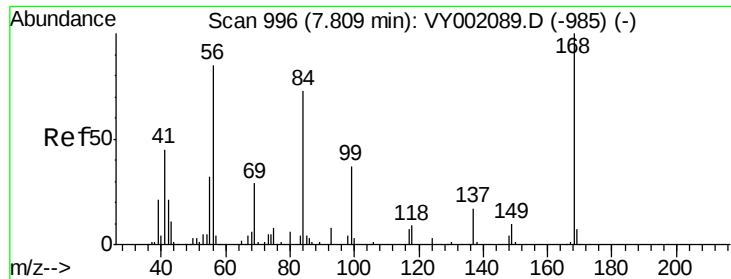
Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:00 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	114771	50.375	ug/l	98
94) Hexachlorobutadiene	15.12	225	56105	49.888	ug/l	97
95) Naphthalene	15.25	128	277867	51.349	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	101966	49.353	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 169562

Ion Ratio Lower Upper

168 100

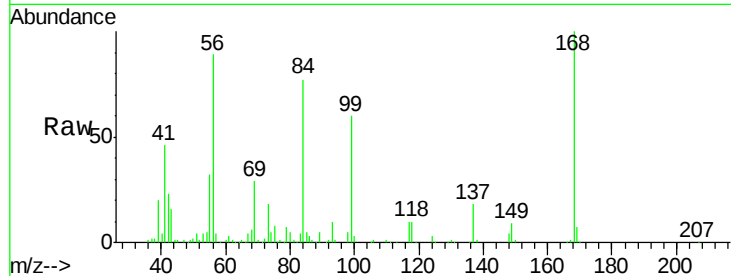
99 59.7 47.6 71.4

Manual Integrations

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4/7/2020 7:06:00 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

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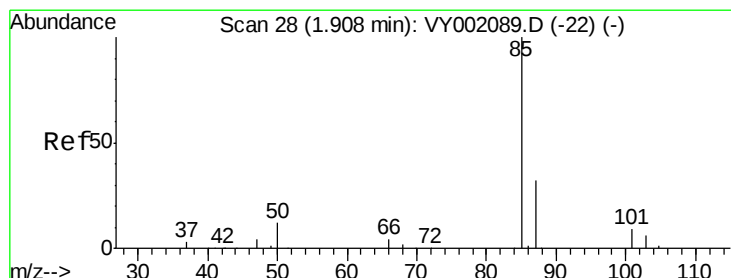
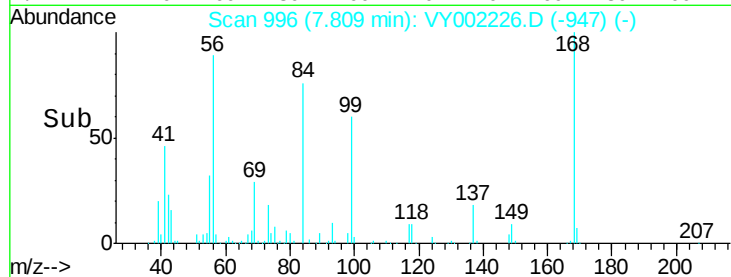
7.81

7.81

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7.81



#2

Dichlorodifluoromethane

Concen: 45.738 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002226.D

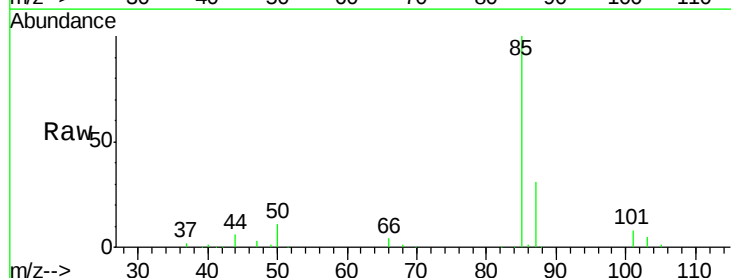
Acq: 06 Apr 2020 10:10

Tgt Ion: 85 Resp: 50534

Ion Ratio Lower Upper

85 100

87 30.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002089.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002089.D (-22) (-)

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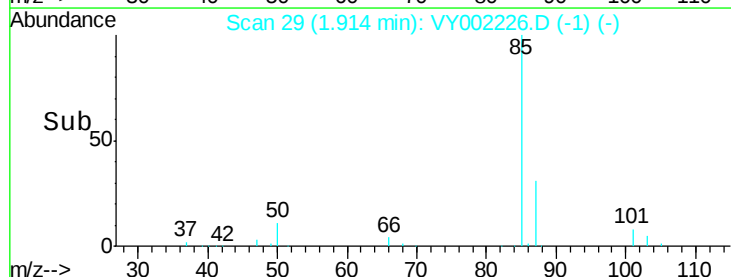
1.91

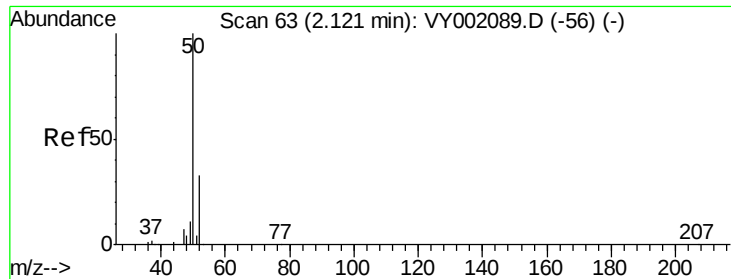
1.91

1.91

1.91

1.91





#3

Chloromethane

Concen: 41.552 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 82337

Ion Ratio Lower Upper

50 100

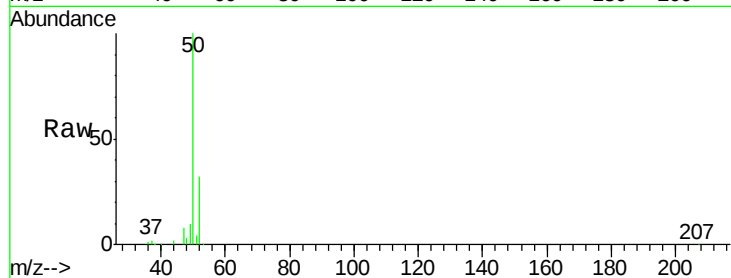
52 32.3 26.1 39.1

Manual Integrations

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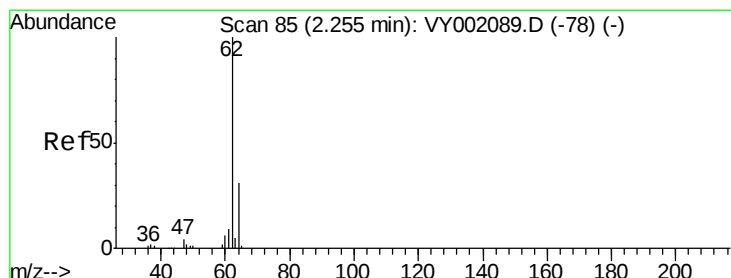
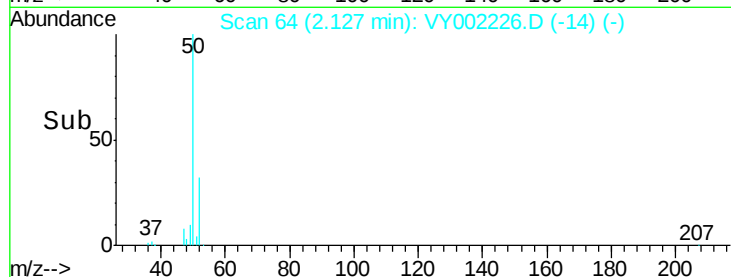
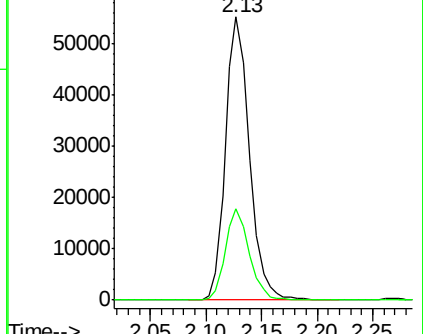
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 43.072 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002226.D

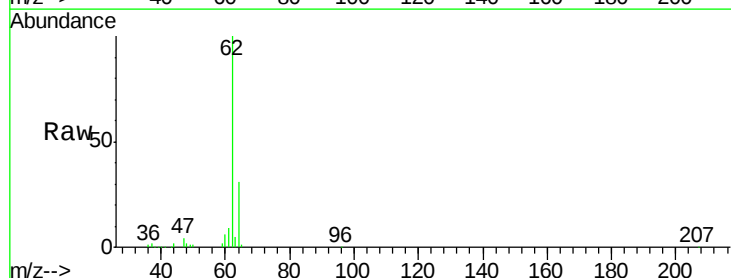
Acq: 06 Apr 2020 10:10

Tgt Ion: 62 Resp: 86804

Ion Ratio Lower Upper

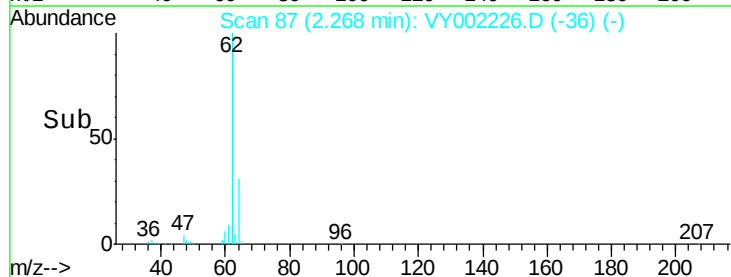
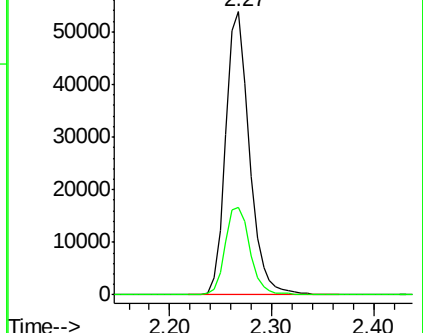
62 100

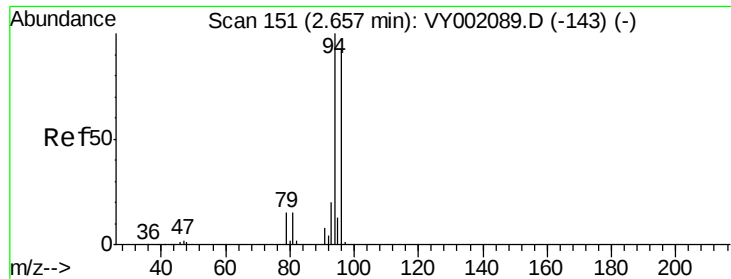
64 30.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 46.165 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 60717

Ion Ratio Lower Upper

94 100

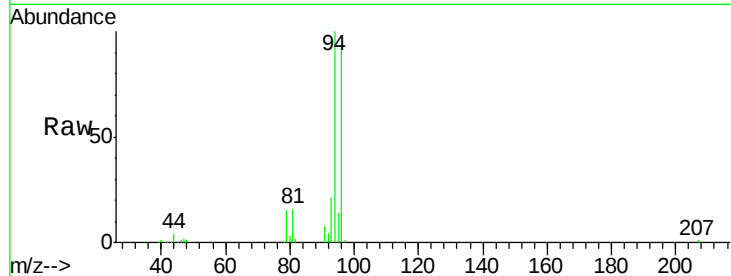
96 91.7 74.1 111.1

Manual Integrations

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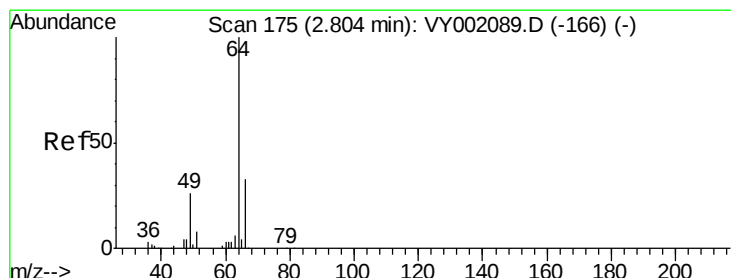
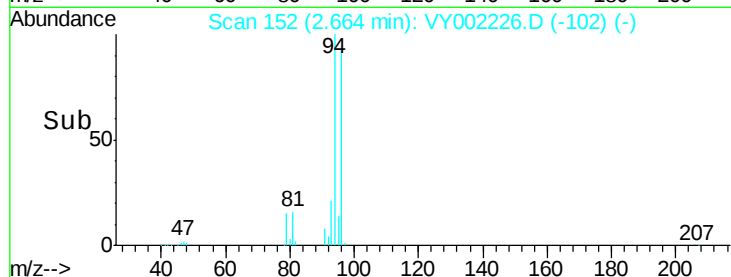
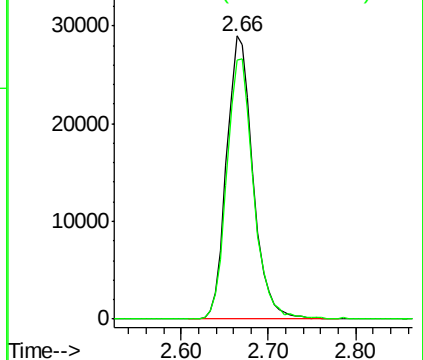
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.201 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002226.D

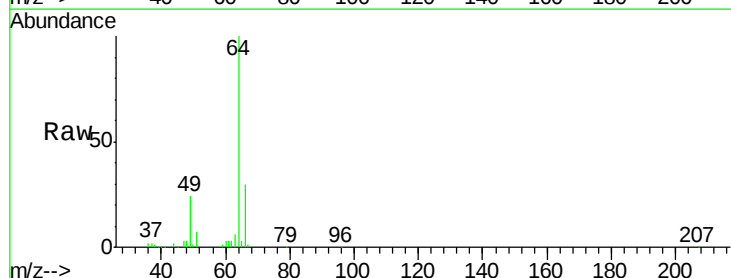
Acq: 06 Apr 2020 10:10

Tgt Ion: 64 Resp: 58492

Ion Ratio Lower Upper

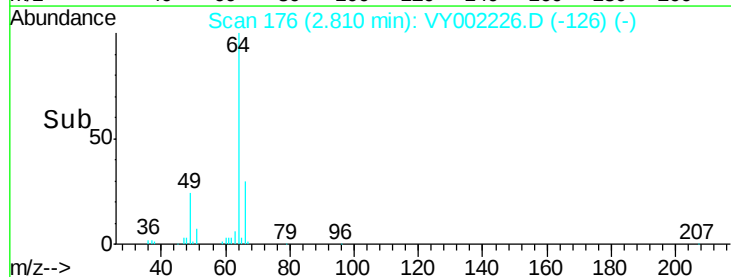
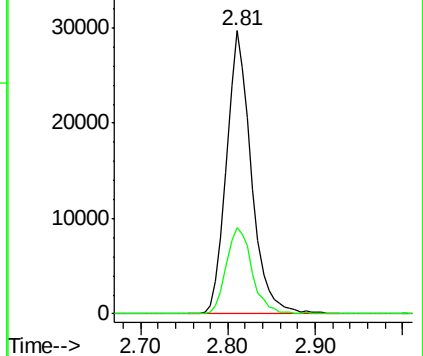
64 100

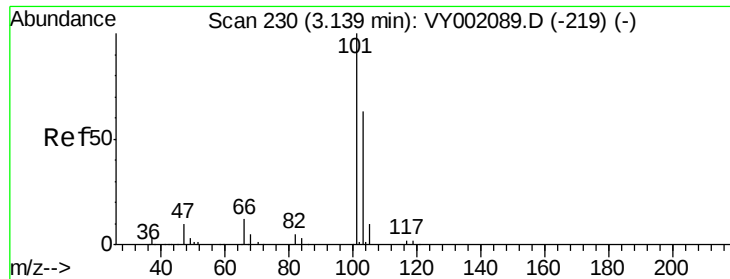
66 30.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

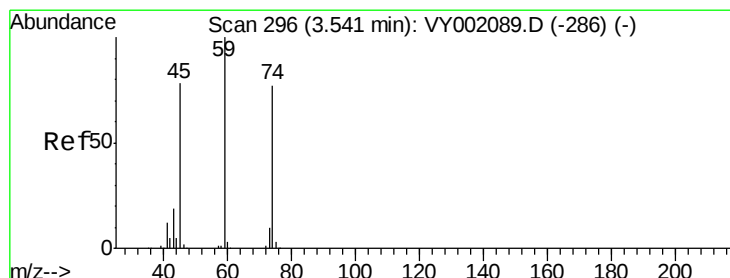
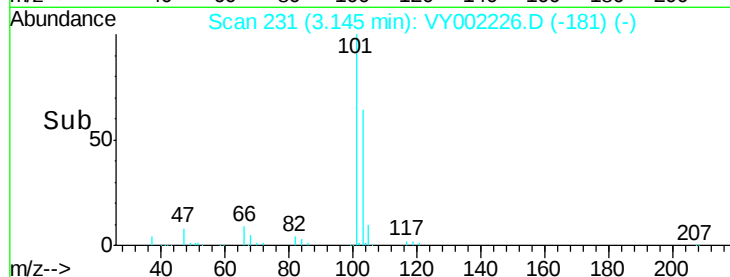
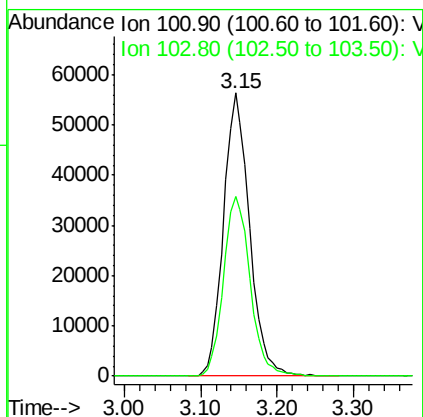
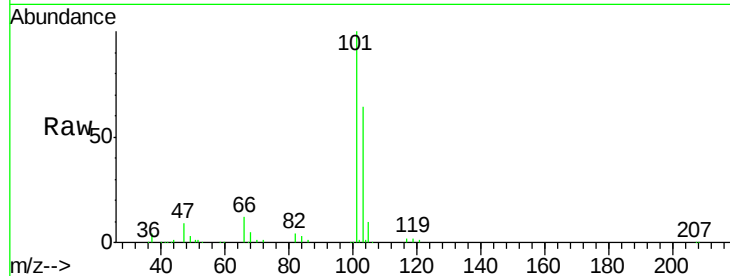
Trichlorofluoromethane
Concen: 48.080 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	132783		
103	63.7	50.6	76.0	

Manual Integrations
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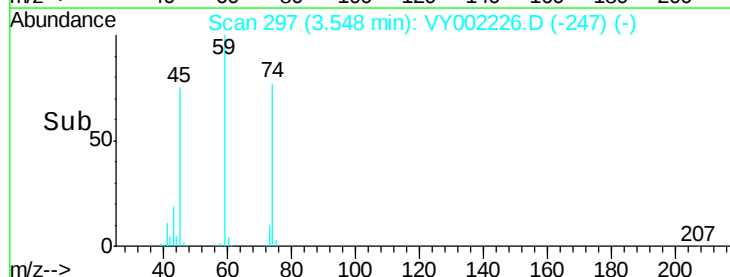
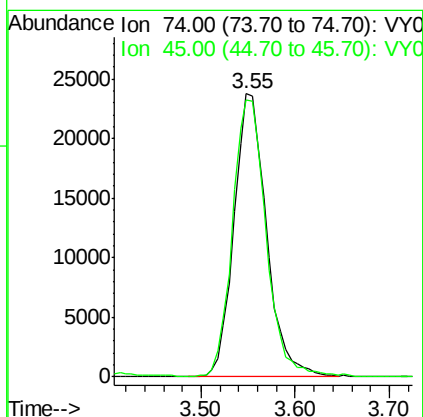
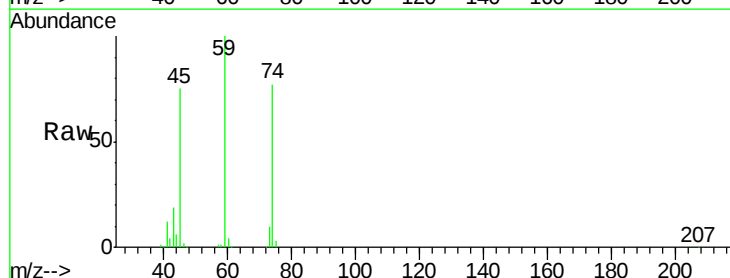
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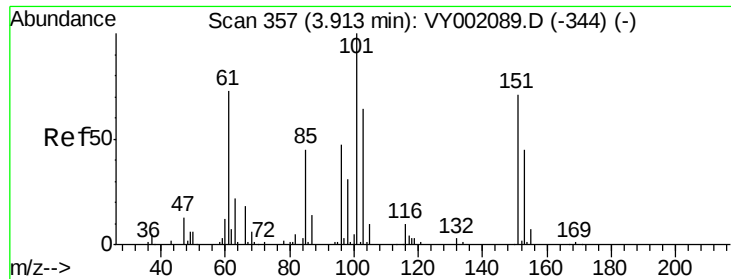


#8

Diethyl Ether
Concen: 49.034 ug/l
RT: 3.55 min Scan# 297
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57356		
45	101.3	51.0	153.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.673 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

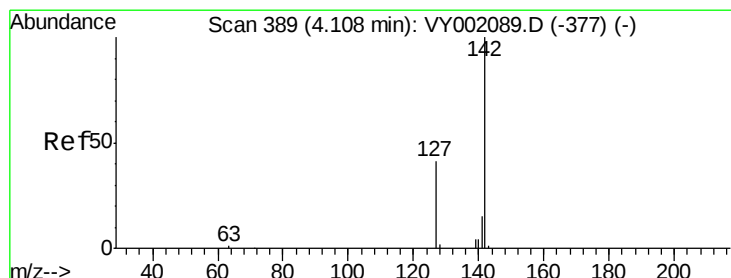
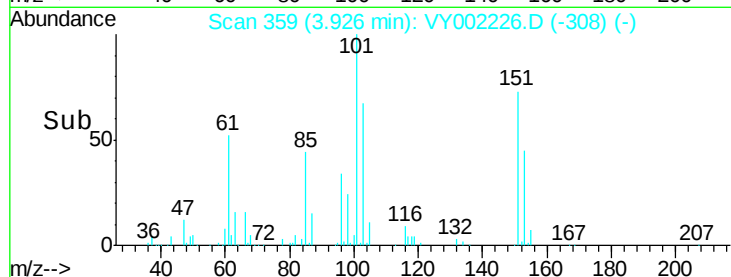
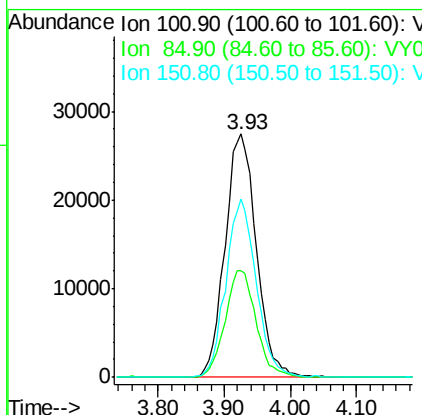
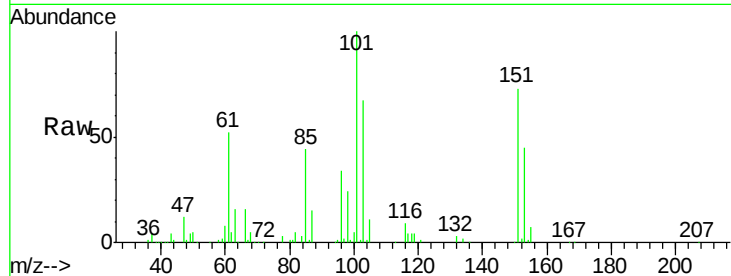
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	90004
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.9	53.9
151	70.9	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 48.743 ug/l

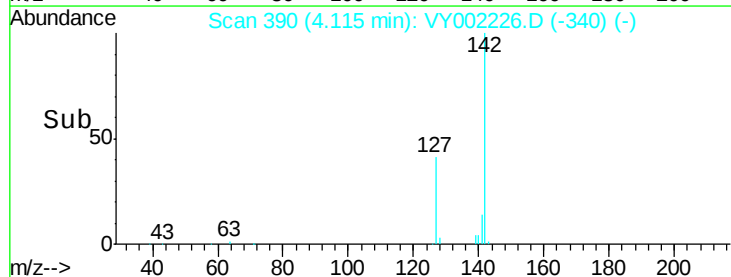
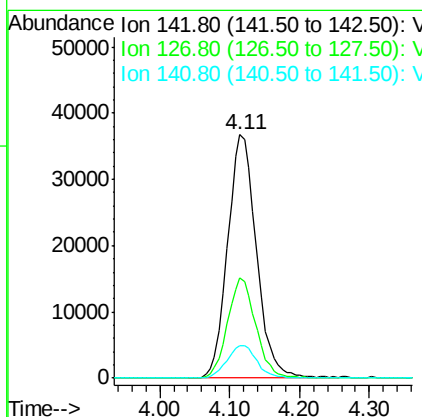
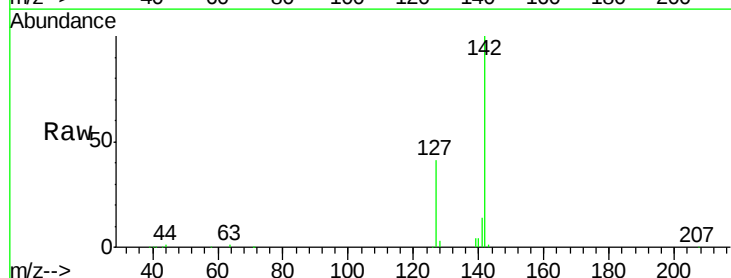
RT: 4.11 min Scan# 390

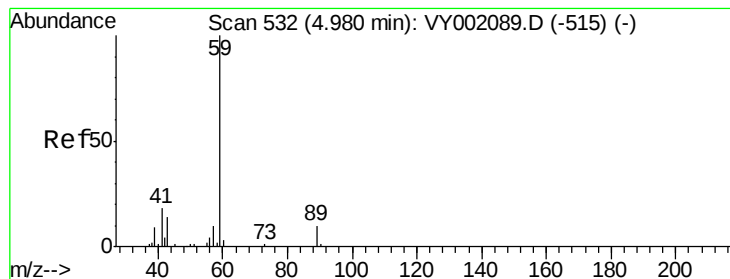
Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion:	142	Resp:	105020
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.6	49.0
141	13.8	11.4	17.0





#11

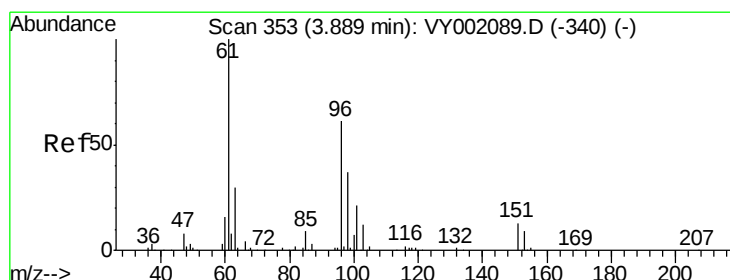
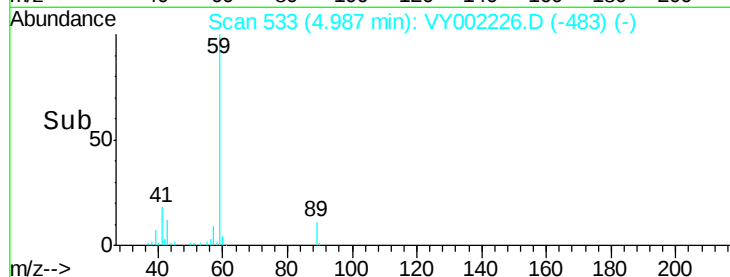
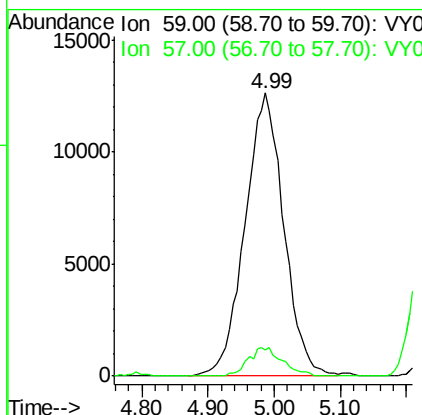
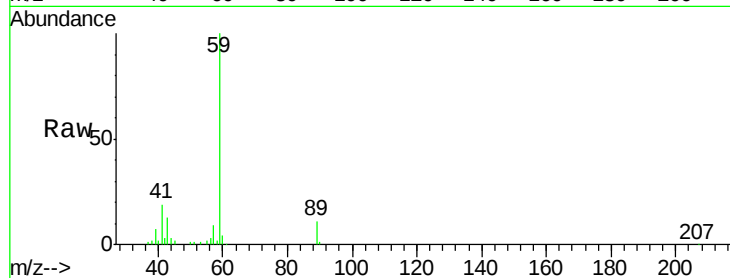
Tert butyl alcohol
 Concen: 232.732 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	51409
Ion Ratio	100	Lower	Upper
57	9.0	7.7	11.5

Manual Integrations
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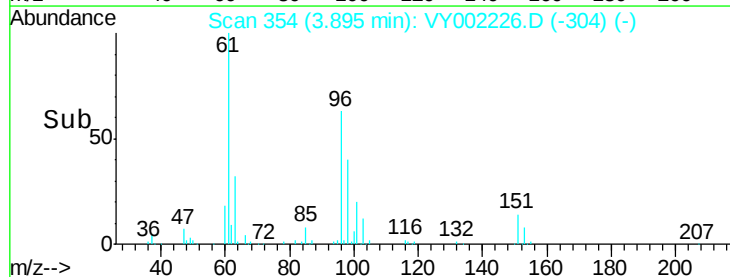
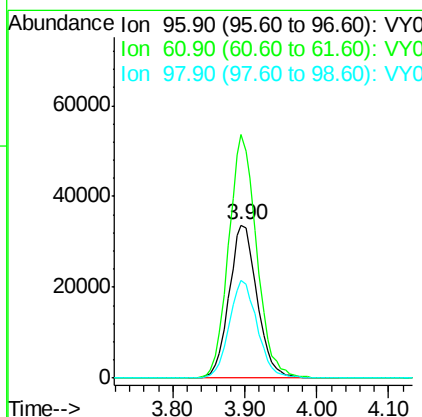
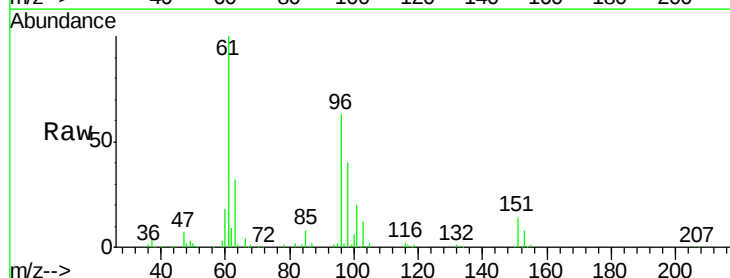
MMDadoda
 4/7/2020 7:06:00 PM

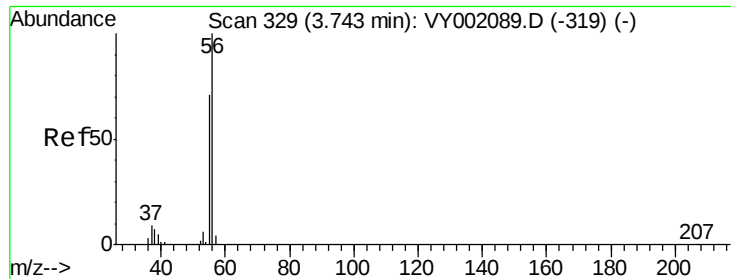


#12

1,1-Dichloroethene
 Concen: 49.755 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Tgt Ion	96	Resp	91543
Ion Ratio	100	Lower	Upper
61	159.1	132.0	198.0
98	63.7	49.4	74.0





#13

Acrolein

Concen: 273.084 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75394

Ion Ratio Lower Upper

56 100

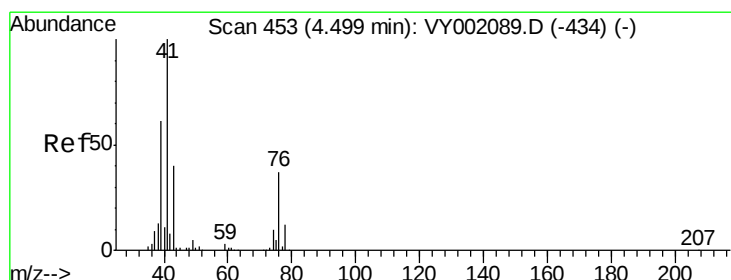
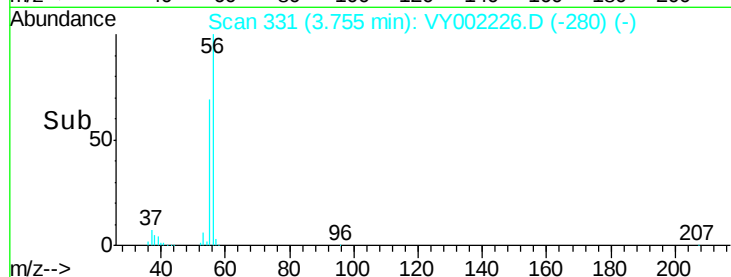
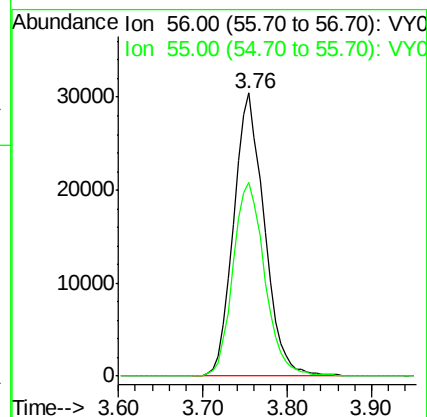
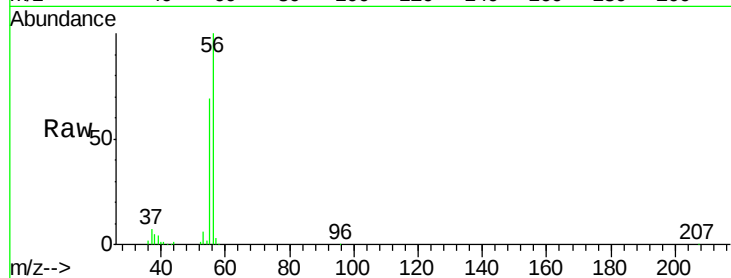
55 70.8 56.5 84.7

Manual Integrations

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4/7/2020 7:06:00 PM



#14

Allyl chloride

Concen: 48.096 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

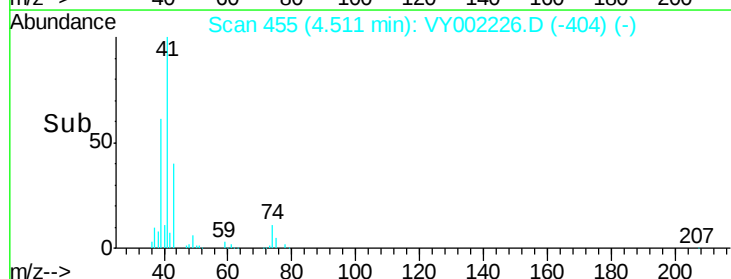
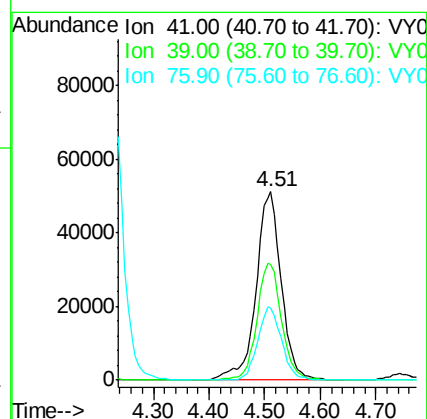
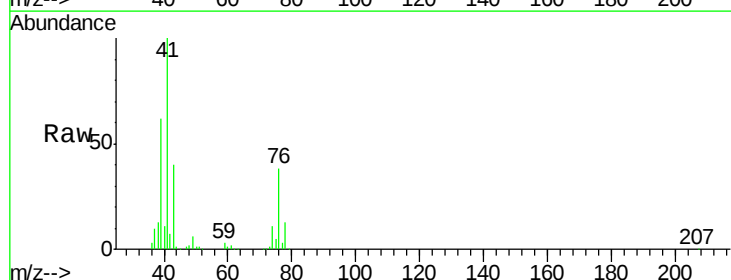
Tgt Ion: 41 Resp: 161999

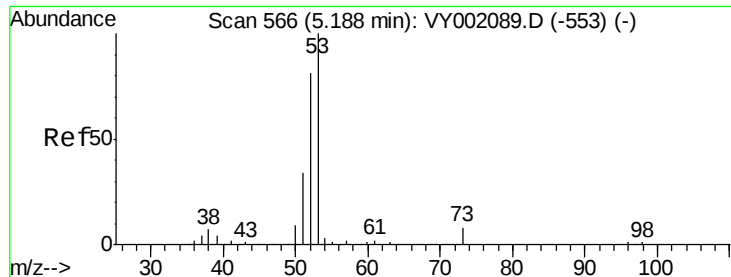
Ion Ratio Lower Upper

41 100

39 60.9 49.0 73.4

76 36.6 27.8 41.8





#15

Acrylonitrile

Concen: 250.926 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

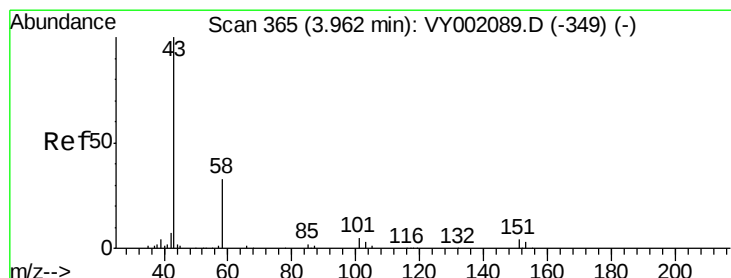
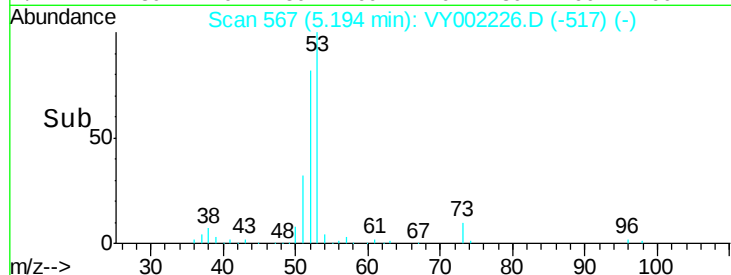
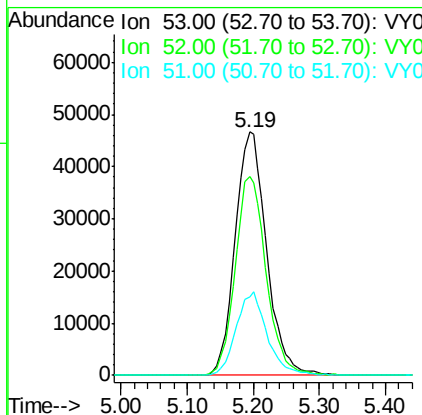
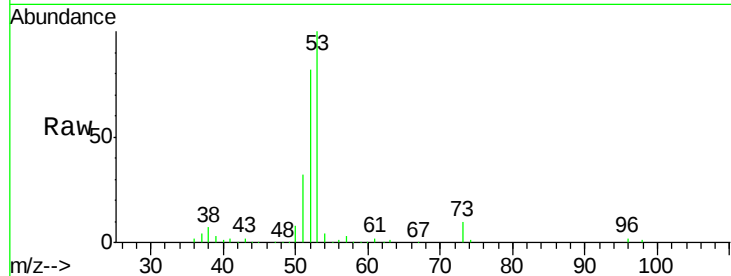
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	153842
Ion	Ratio	Lower	Upper
53	100		
52	80.5	64.6	97.0
51	33.9	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 286.084 ug/l

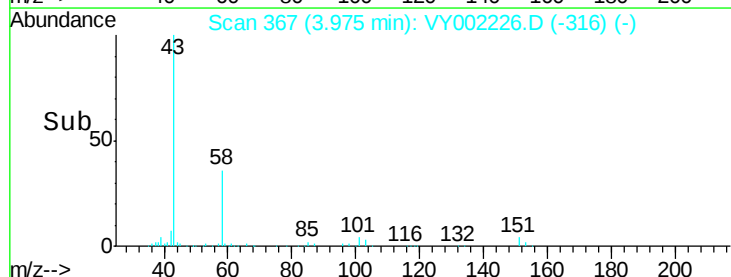
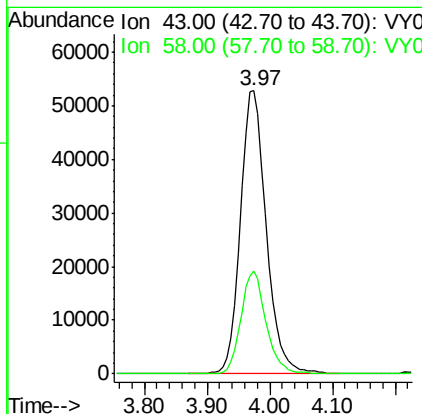
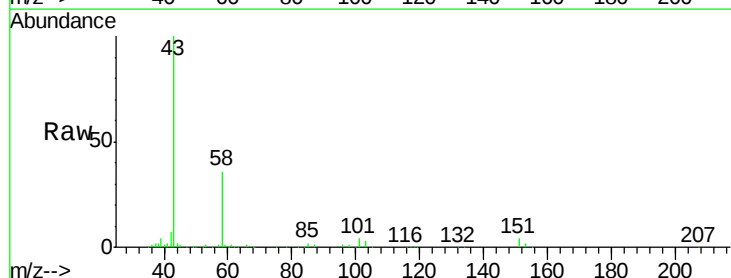
RT: 3.97 min Scan# 367

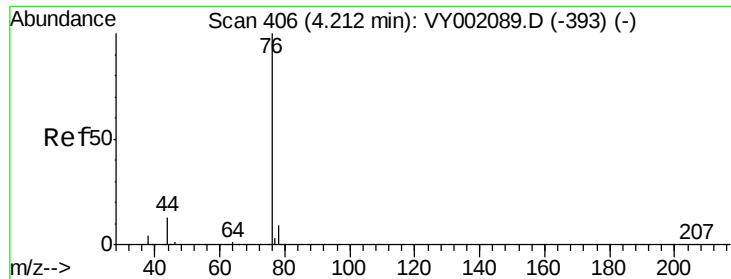
Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion:	43	Resp:	150660
Ion	Ratio	Lower	Upper
43	100		
58	36.4	26.3	39.5





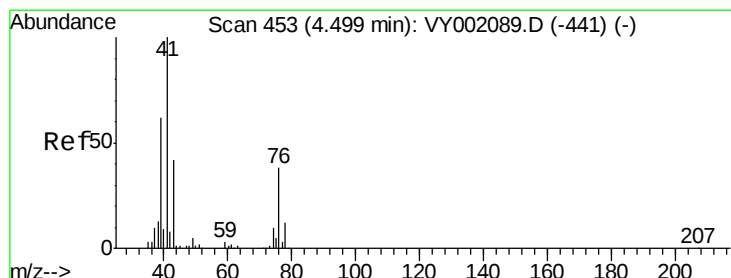
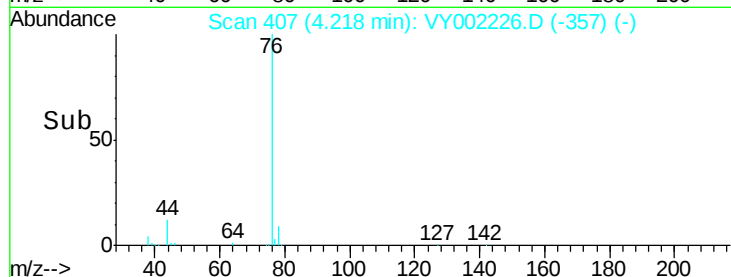
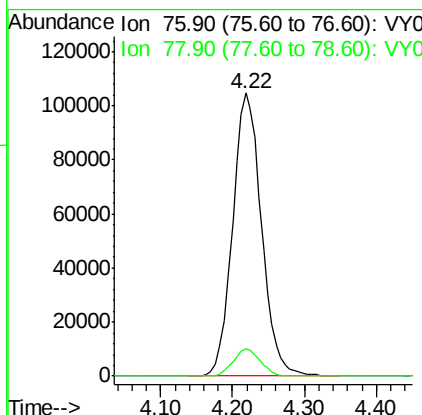
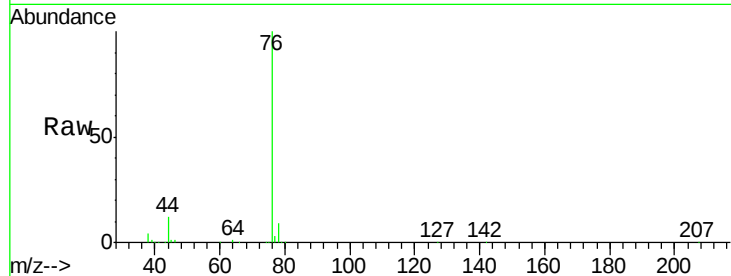
#17
Carbon Disulfide
Concen: 47.706 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

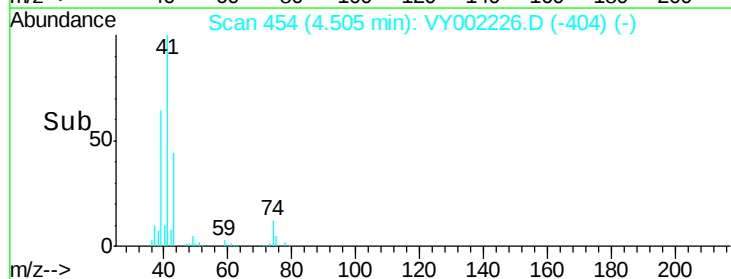
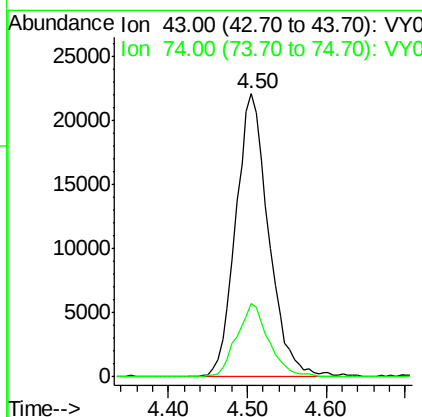
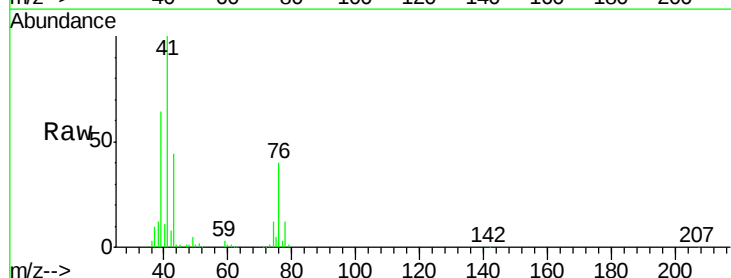
Manual Integrations
APPROVED

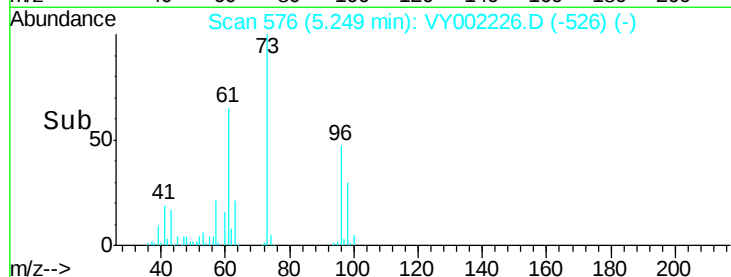
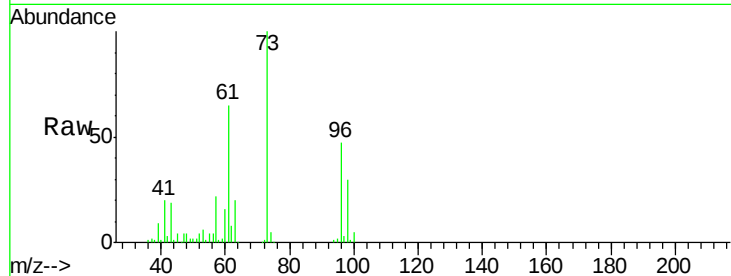
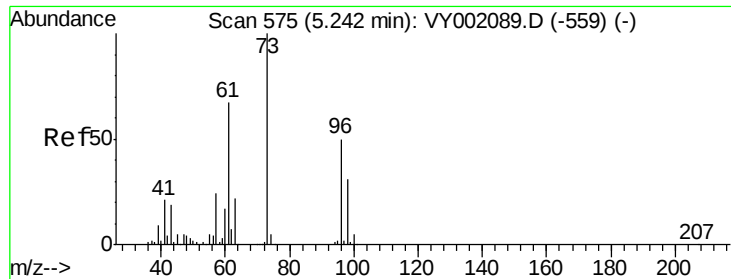
MMDadoda
4/7/2020 7:06:00 PM



#18
Methyl Acetate
Concen: 46.955 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	18.3	27.5





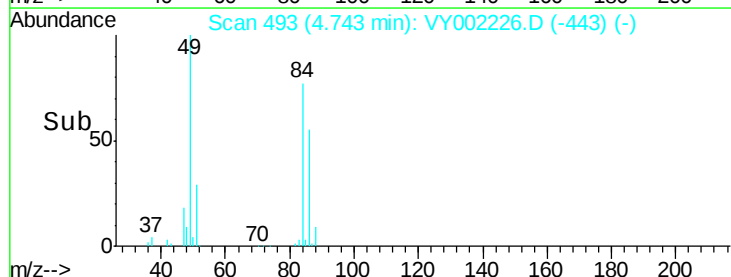
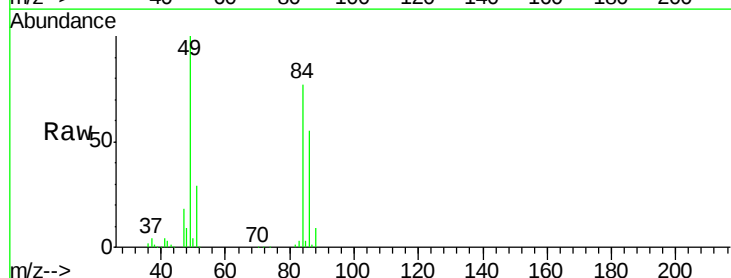
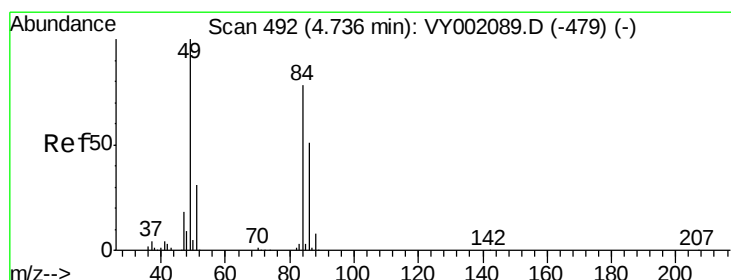
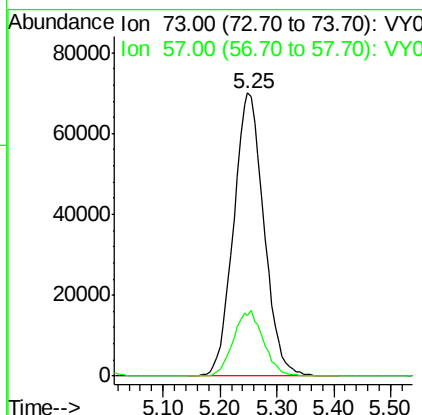
#19
Methvl tert-butvl Ether
Concen: 50.625 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tot Ion: 73 Resp: 259842
Ion Ratio Lower Upper
73 100
57 21.6 19.0 28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

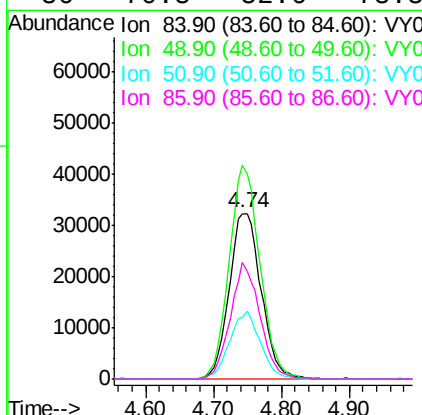
Manual Integrations
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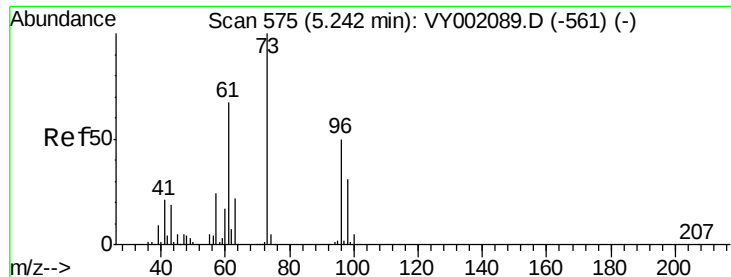
MMDadoda
4/7/2020 7:06:00 PM



#20
Methylene Chloride
Concen: 48.183 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion: 84 Resp: 105461
Ion Ratio Lower Upper
84 100
49 129.2 102.2 153.4
51 37.5 31.2 46.8
86 70.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 50.184 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

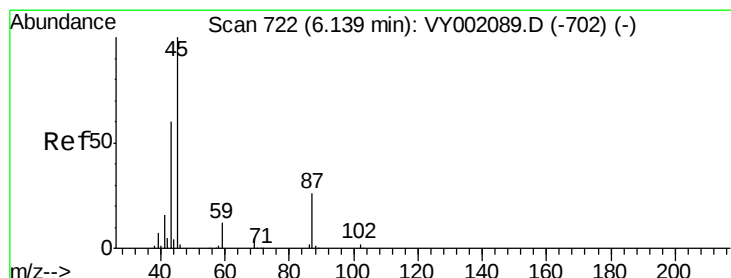
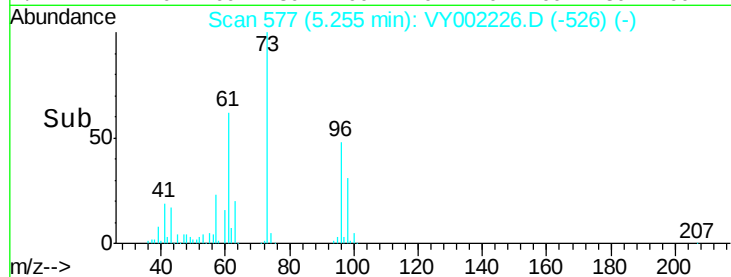
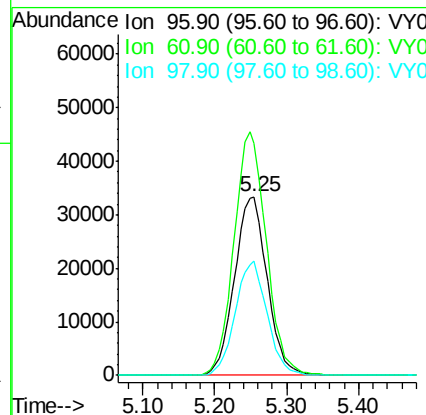
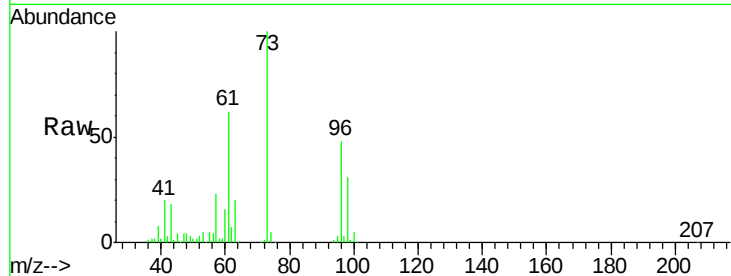
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	105129
Ion	Ratio	Lower	Upper
96	100		
61	129.9	107.7	161.5
98	64.4	50.5	75.7

Manual Integrations
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4/7/2020 7:06:00 PM



#22

Diisopropyl ether

Concen: 48.422 ug/l

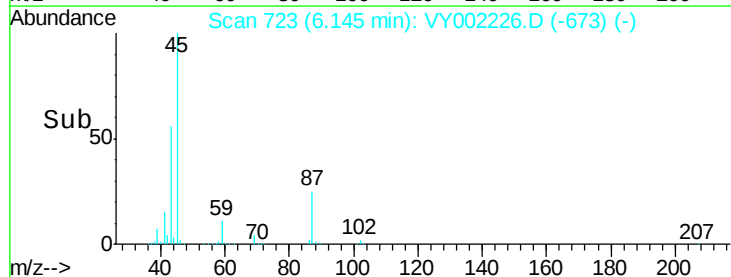
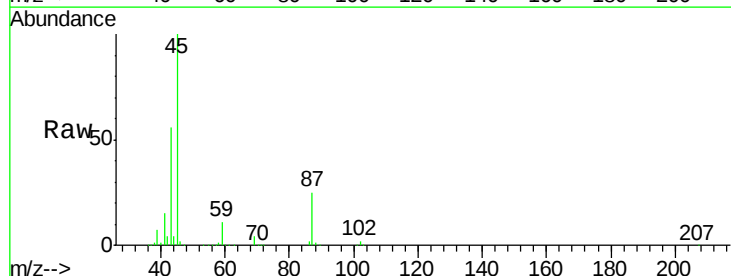
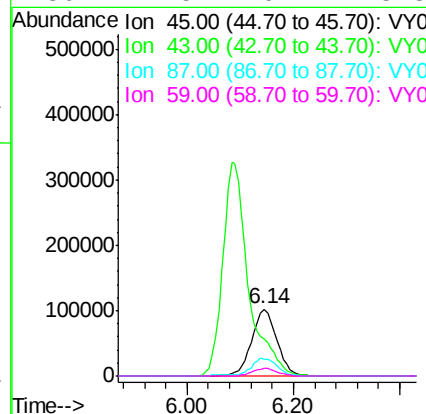
RT: 6.14 min Scan# 723

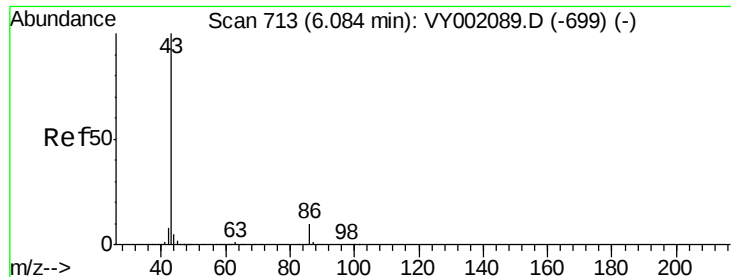
Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion:	45	Resp:	333773
Ion	Ratio	Lower	Upper
45	100		
43	56.4	48.1	72.1
87	25.3	21.1	31.7
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 243.498 ug/l

RT: 6.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1100610

Ion Ratio Lower Upper

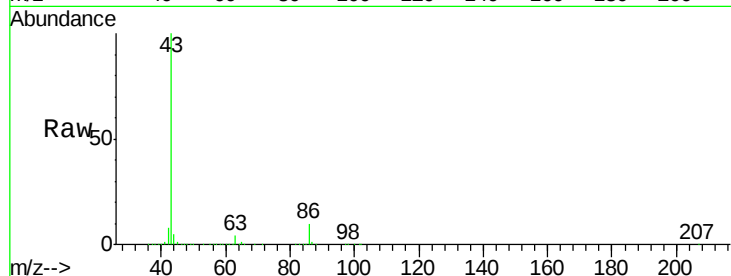
43 100

86 10.5 7.9 11.9

Manual Integrations
APPROVED

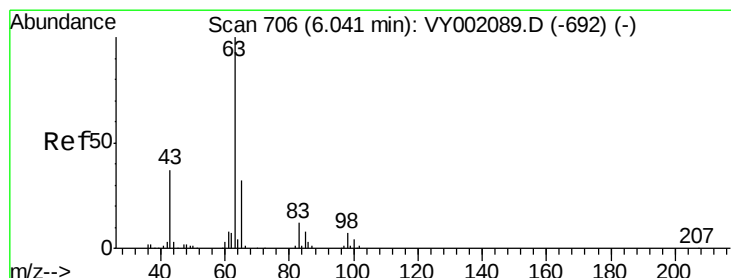
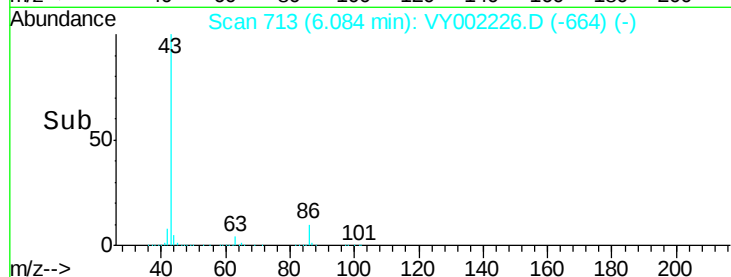
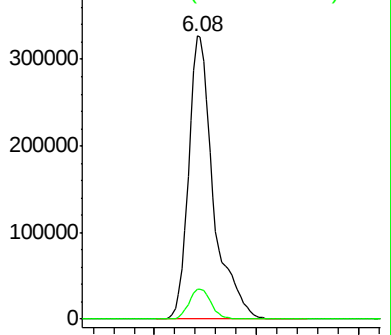
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 49.802 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

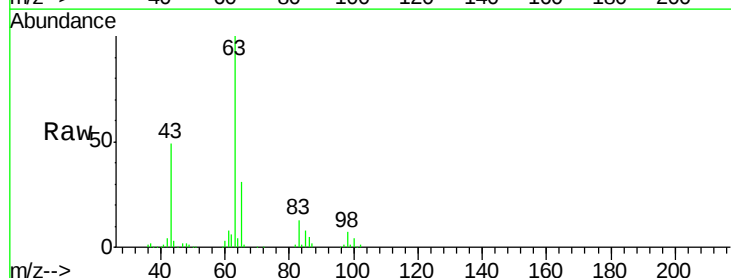
Tgt Ion: 63 Resp: 182521

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

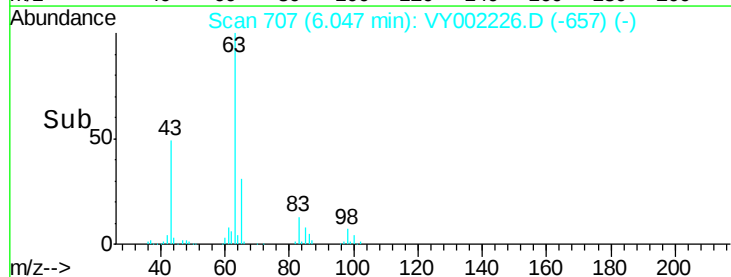
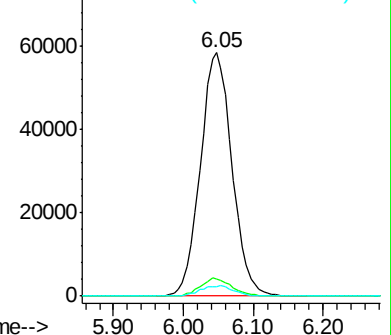
100 3.9 1.8 5.5

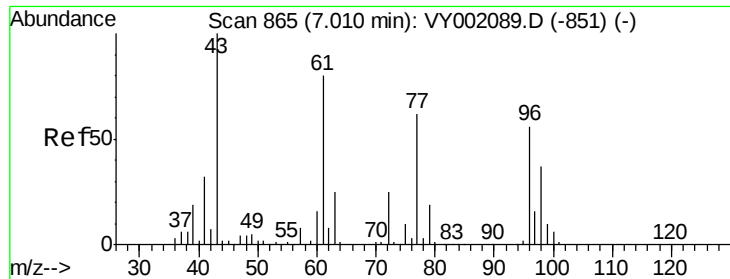


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





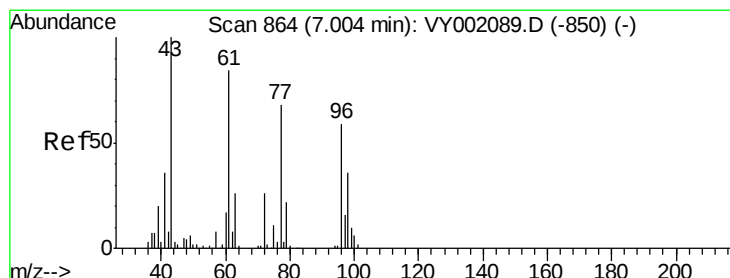
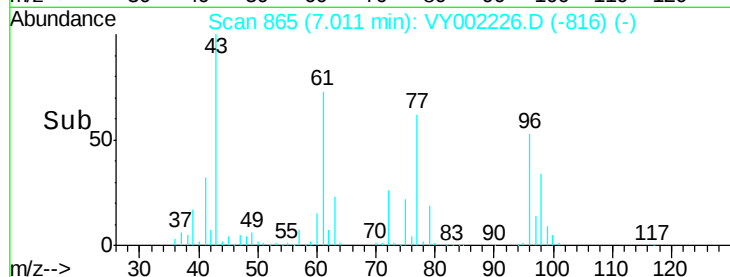
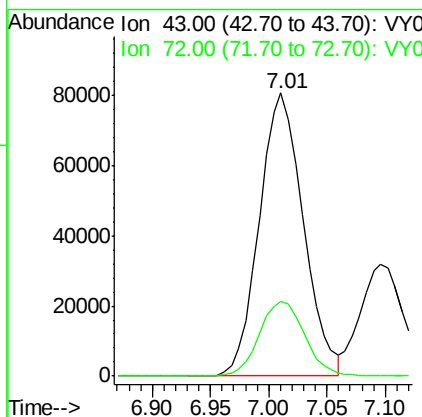
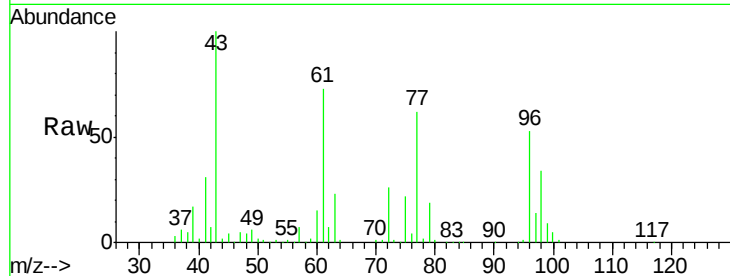
#25
2-Butanone
Concen: 261.390 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 211370
Ion Ratio Lower Upper
43 100
72 26.2 20.2 30.2

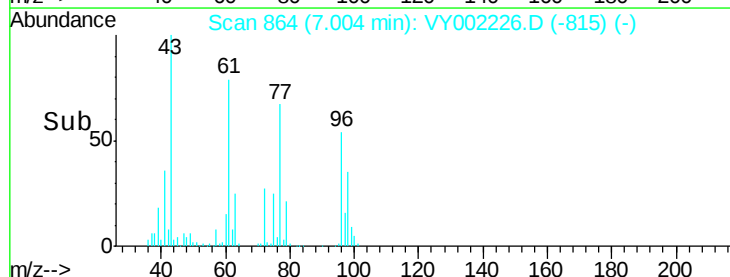
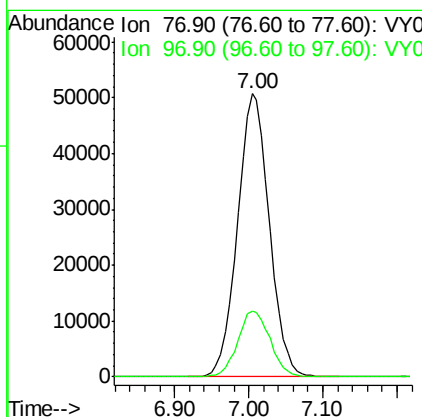
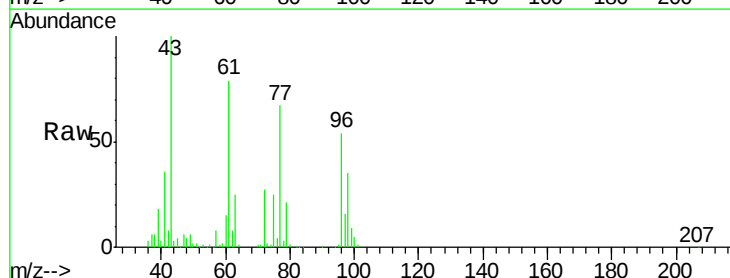
Manual Integrations
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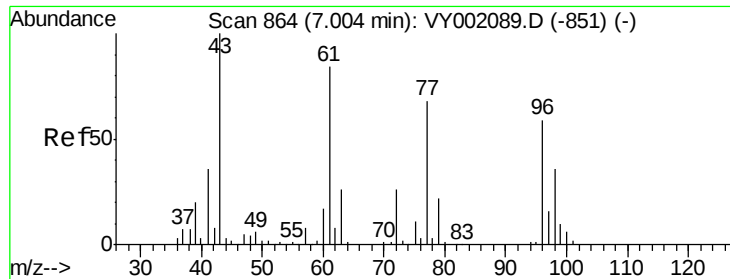
MMDadoda
4/7/2020 7:06:00 PM



#26
2,2-Dichloropropane
Concen: 50.234 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion: 77 Resp: 151629
Ion Ratio Lower Upper
77 100
97 23.8 11.7 35.1





#27

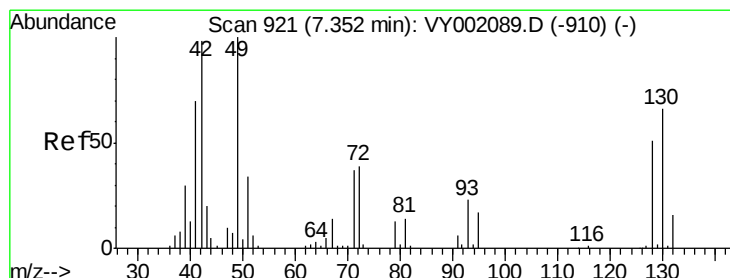
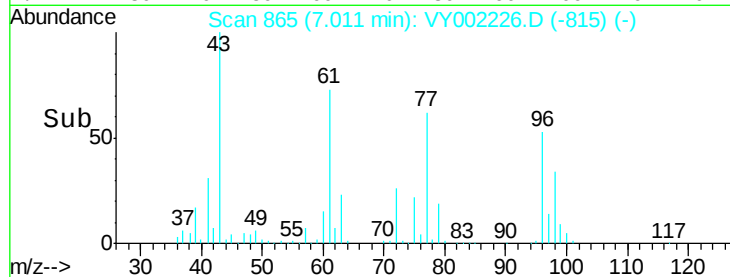
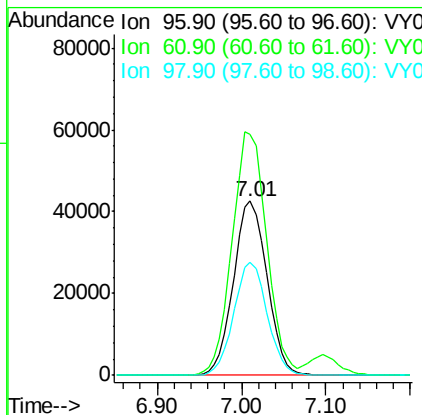
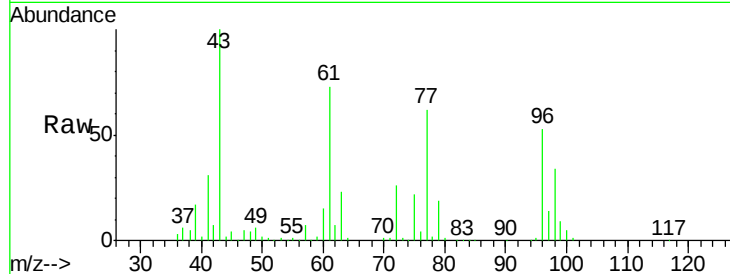
cis-1,2-Dichloroethene
Concen: 50.000 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	0.0	290.6	
98	64.4	0.0	128.0	

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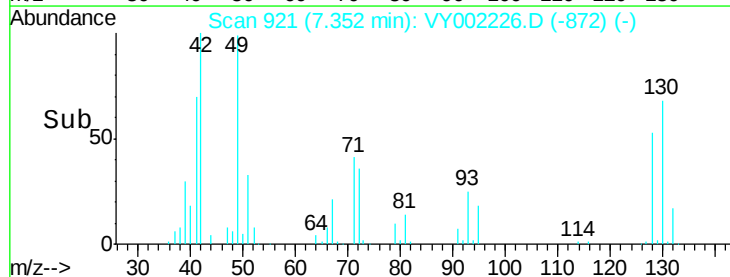
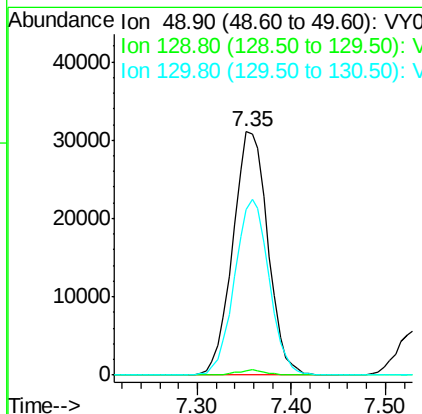
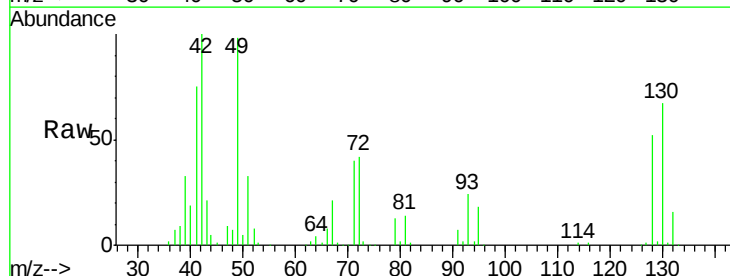
MMDadoda
4/7/2020 7:06:00 PM

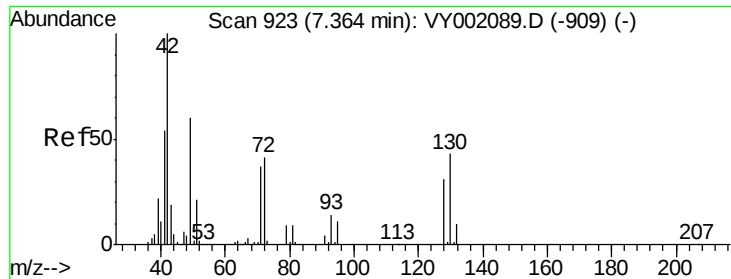


#28

Bromochloromethane
Concen: 48.214 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	71.0	54.1	81.1	





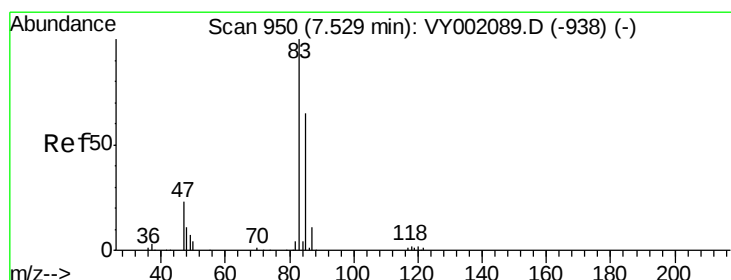
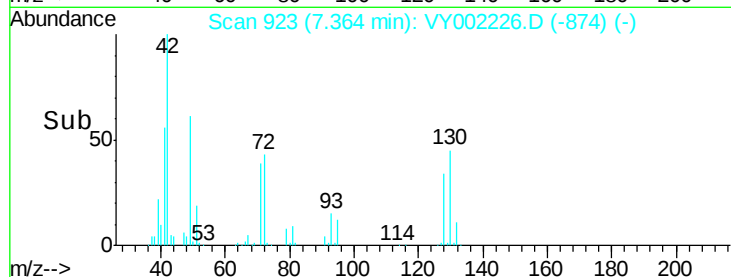
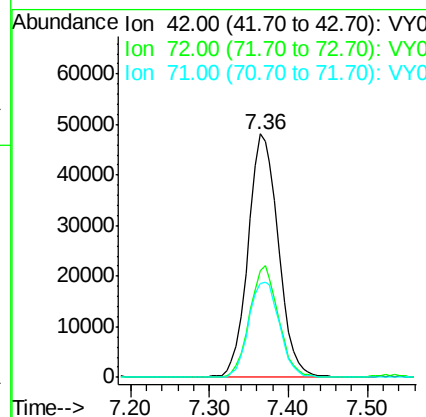
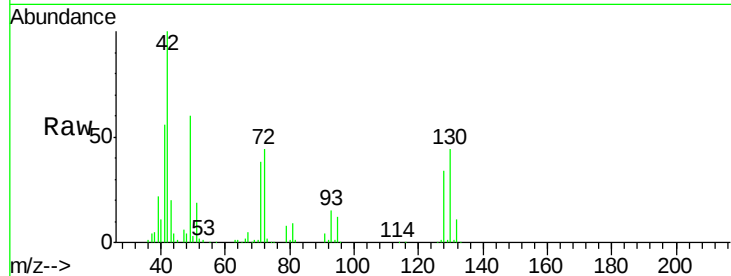
#29
Tetrahydrofuran
Concen: 241.985 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.0	49.4
71	39.8	31.2	46.8

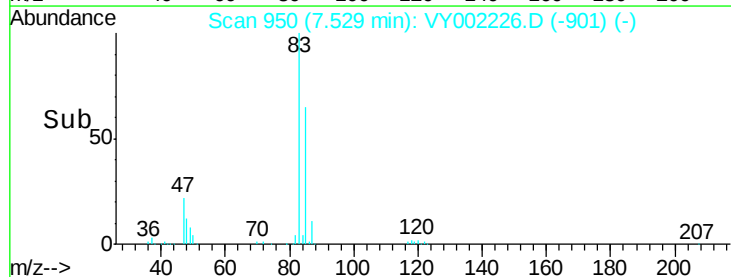
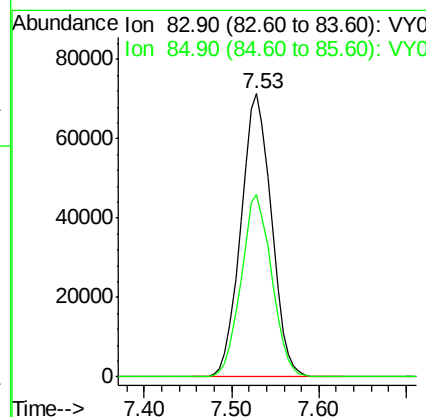
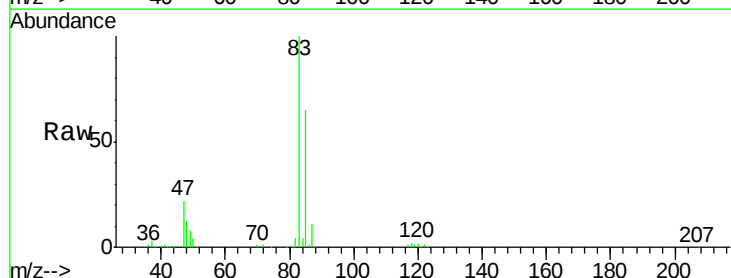
Manual Integrations
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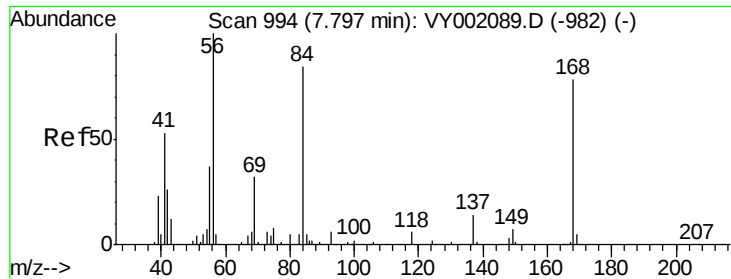
MMDadoda
4/7/2020 7:06:00 PM



#30
Chloroform
Concen: 49.819 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6





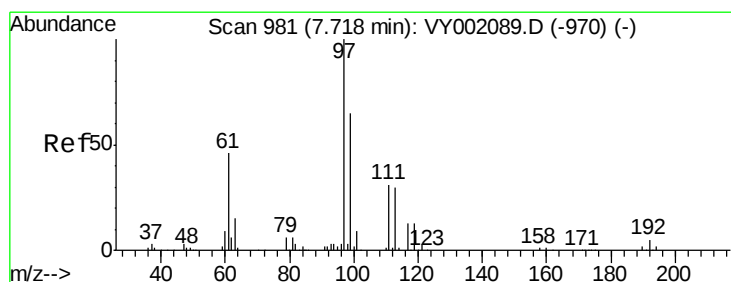
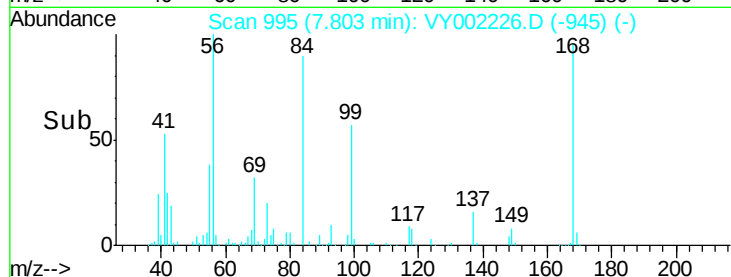
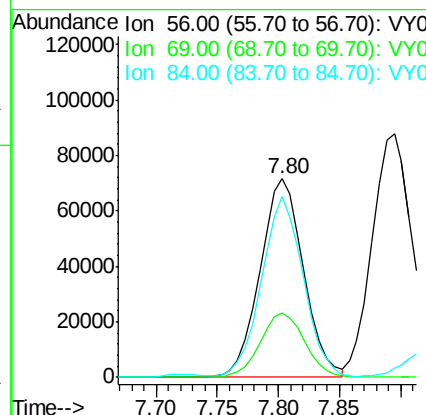
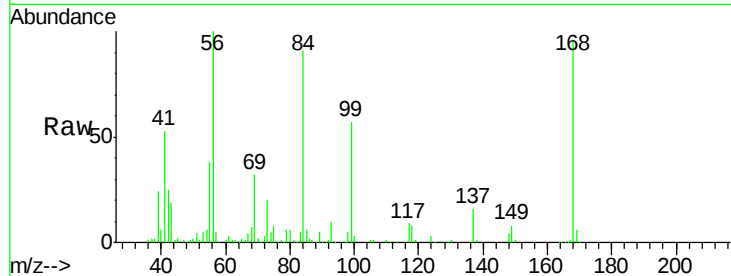
#31
Cyclohexane
Concen: 45.303 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.8
84	89.4	67.1	100.7

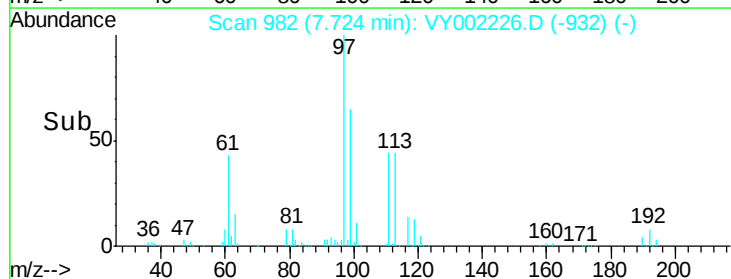
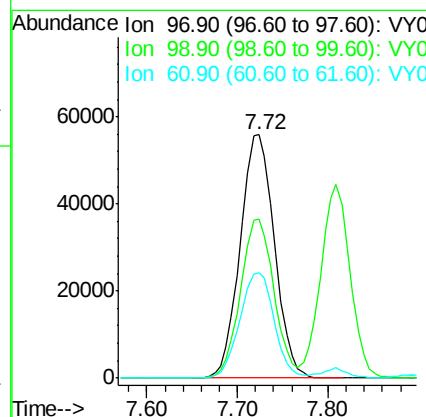
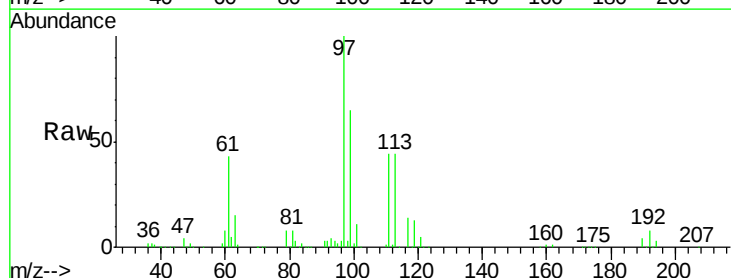
Manual Integrations
APPROVED

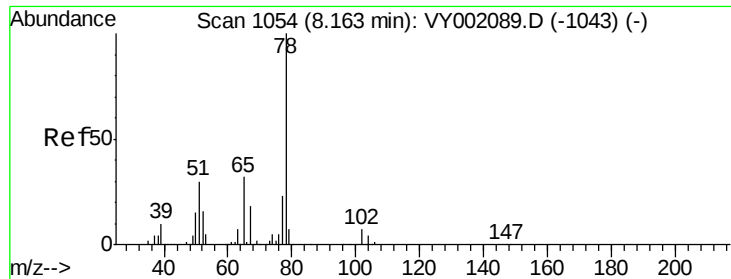
MMDadoda
4/7/2020 7:06:00 PM



#32
1,1,1-Trichloroethane
Concen: 50.492 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	43.4	35.7	53.5





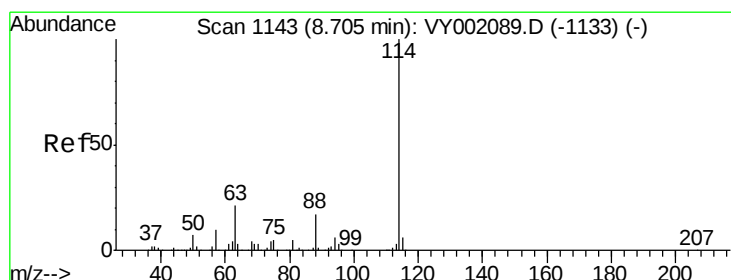
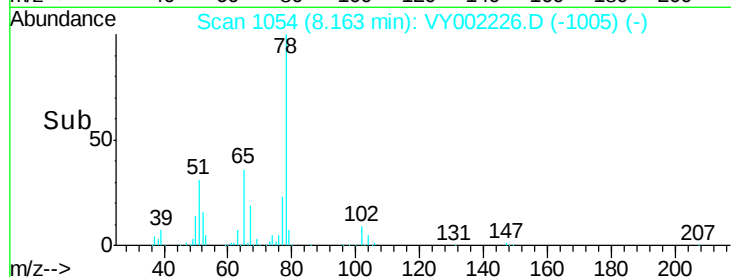
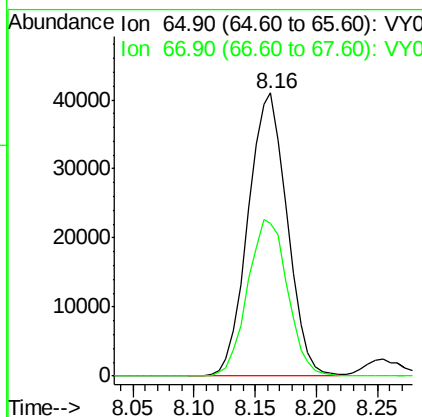
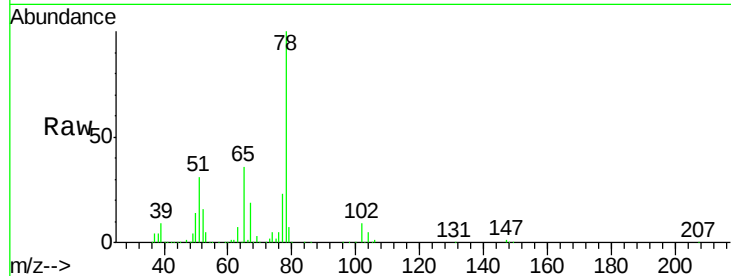
#33
 1,2-Dichloroethane-d4
 Concen: 48.613 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	91123		
67	56.6	0.0	112.8	

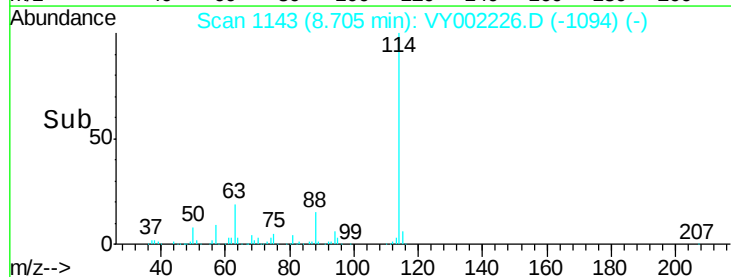
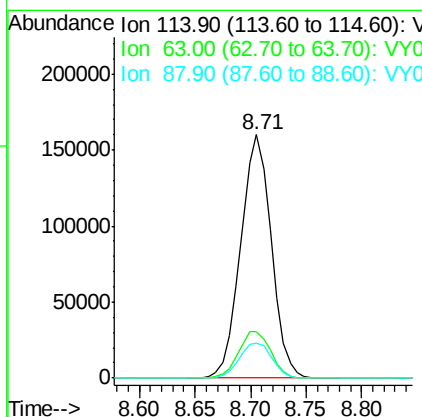
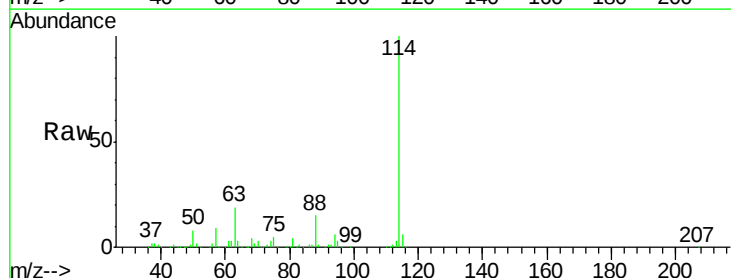
Manual Integrations
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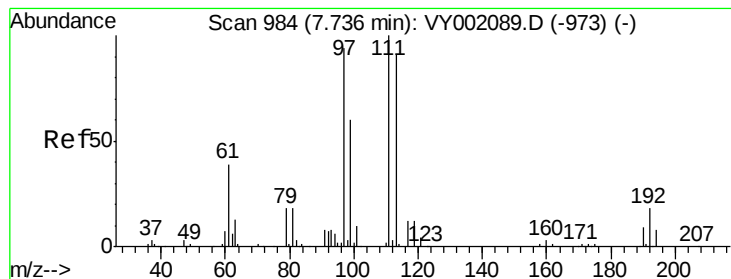
MMDadoda
 4/7/2020 7:06:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	306064		
63	19.4	0.0	41.4	
88	14.6	0.0	33.0	





#35

Dibromofluoromethane

Concen: 51.225 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

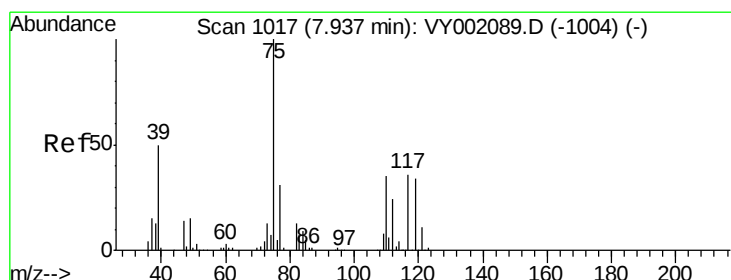
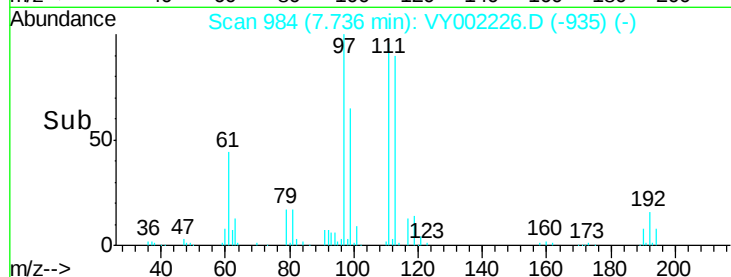
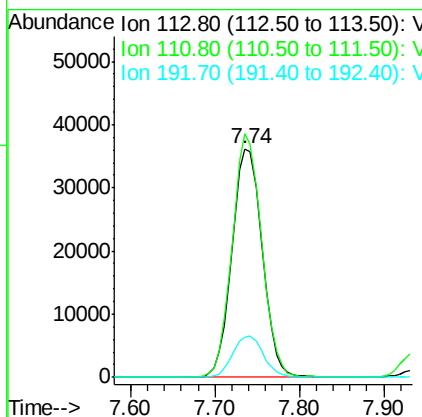
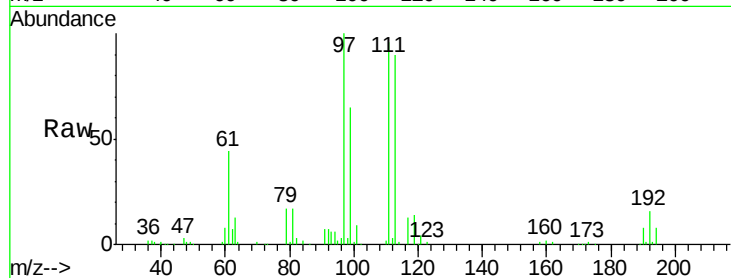
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	87846
Ion	Ratio	Lower	Upper
113	100		
111	103.8	84.4	126.6
192	18.3	14.6	21.8

Manual Integrations
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4/7/2020 7:06:00 PM



#36

1,1-Dichloropropene

Concen: 49.811 ug/l

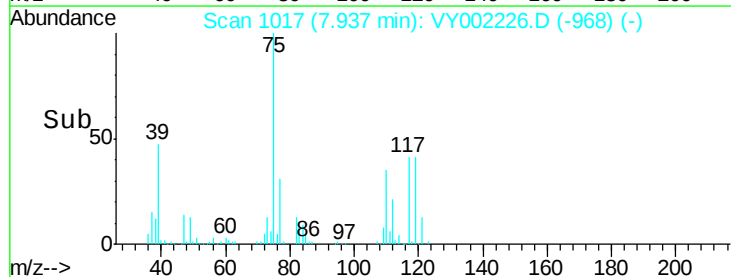
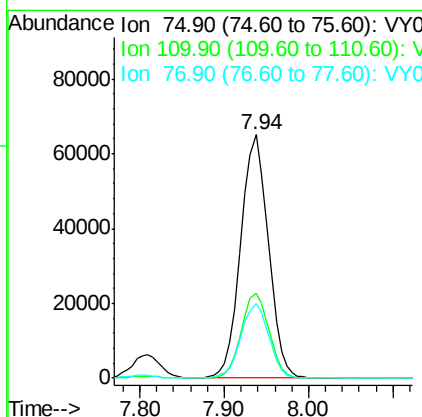
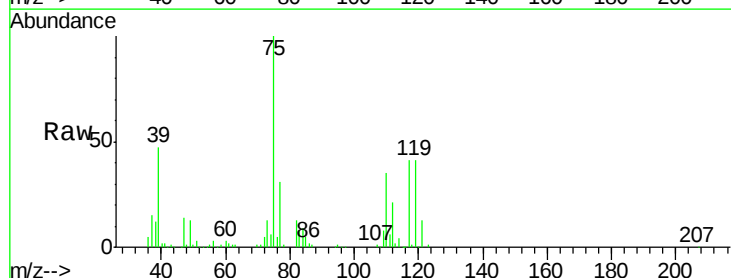
RT: 7.94 min Scan# 1017

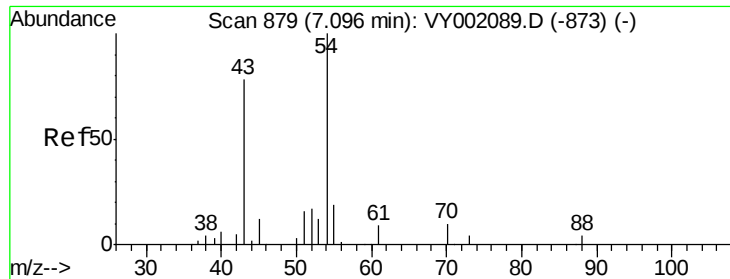
Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion:	75	Resp:	144200
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.2	51.6
77	31.0	24.7	37.1





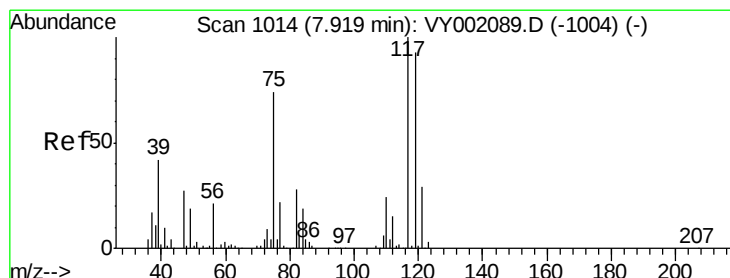
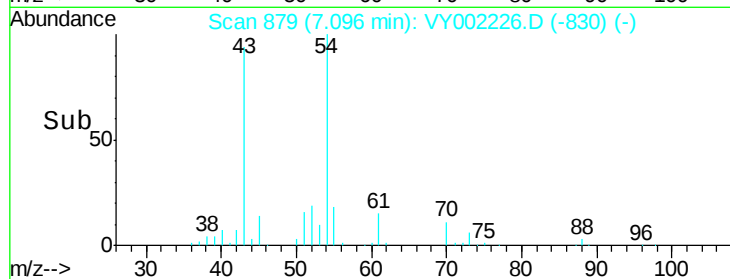
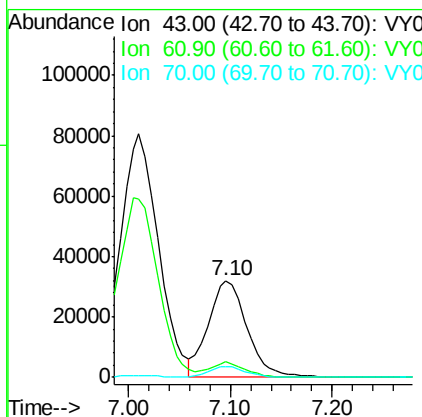
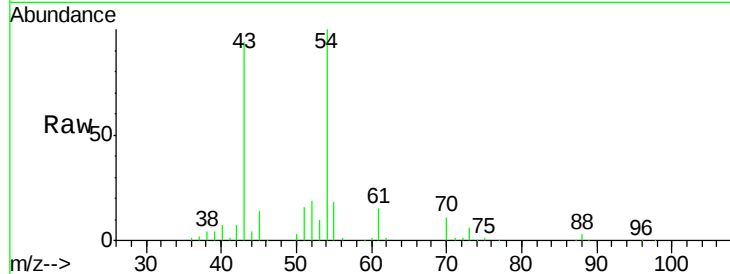
#37
Ethyl Acetate
Concen: 48.046 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.2	16.8
70	11.0	8.2	12.4

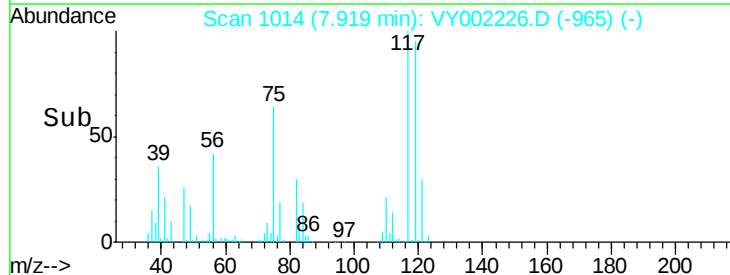
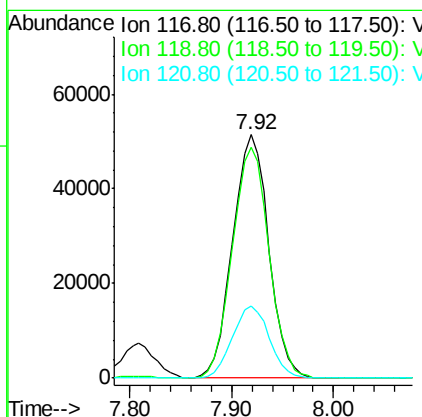
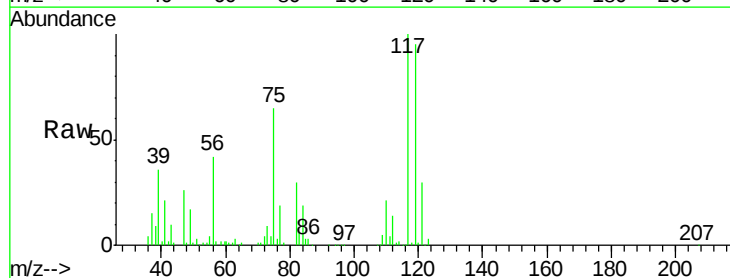
Manual Integrations
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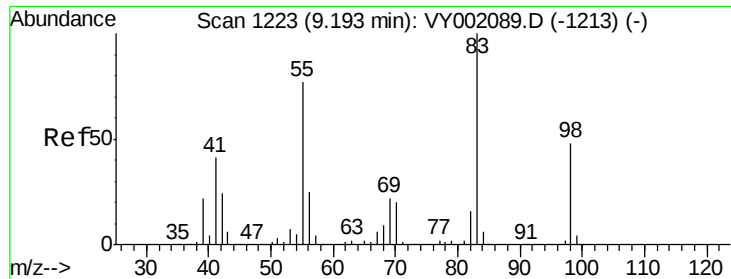
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#38
Carbon Tetrachloride
Concen: 51.453 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.3	111.5
121	29.6	23.3	34.9





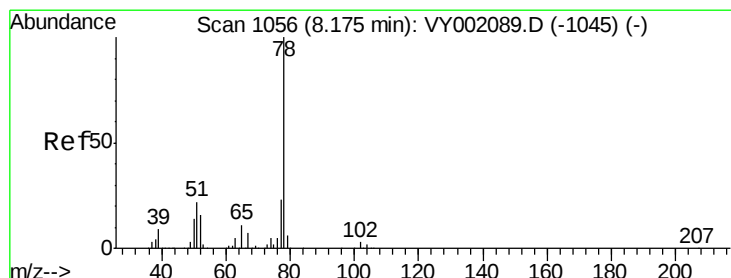
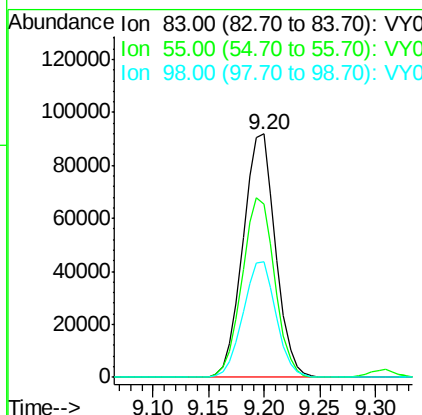
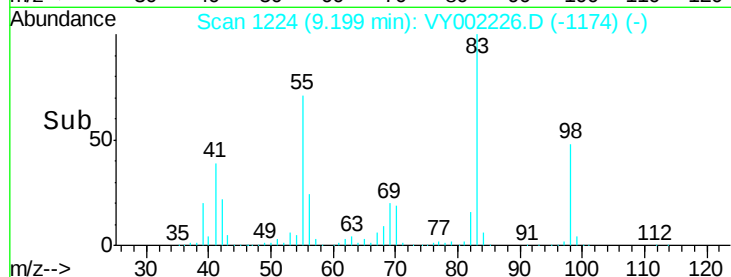
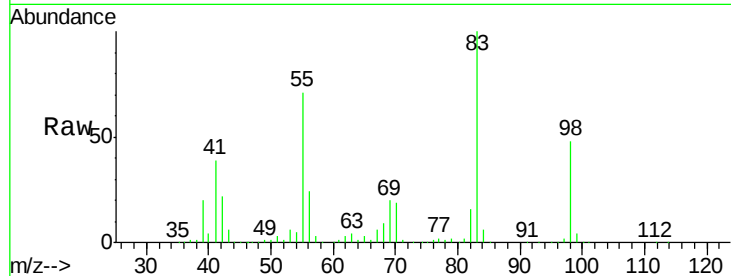
#39
Methvlcvclohexane
Concen: 49.236 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	186962
Ion Ratio	Lower	Upper	
83	100		
55	71.2	61.2	91.8
98	47.6	38.2	57.2

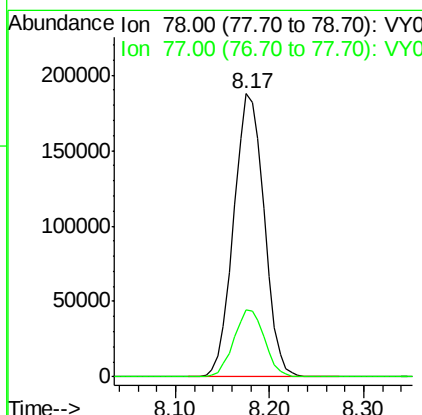
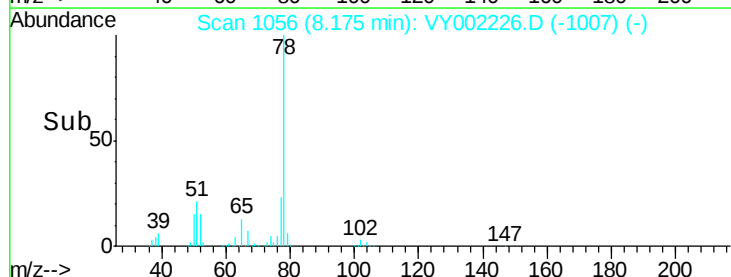
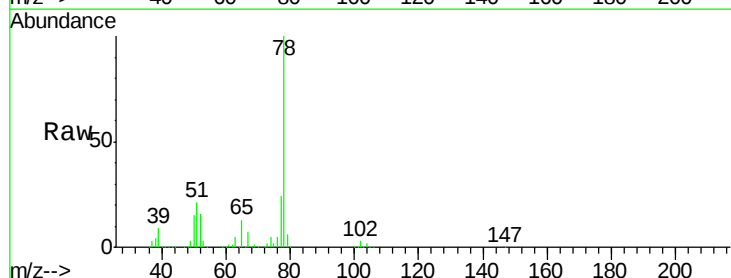
Manual Integrations
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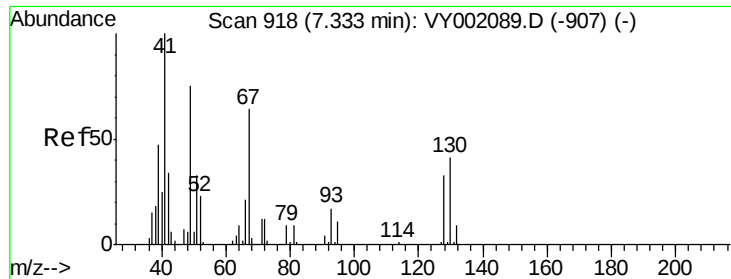
MMDadoda
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#40
Benzene
Concen: 49.420 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	78	Resp	423782
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.2	27.4





#41

Methacrylonitrile

Concen: 55.803 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 49380

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

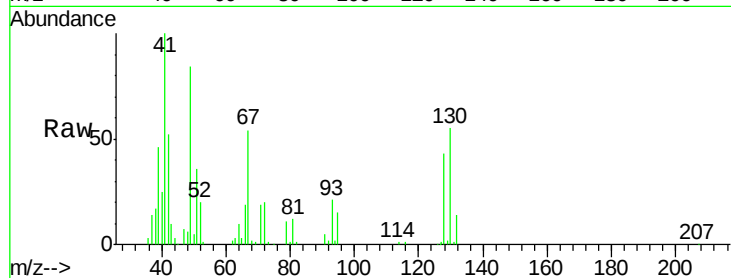
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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4/7/2020 7:06:00 PM

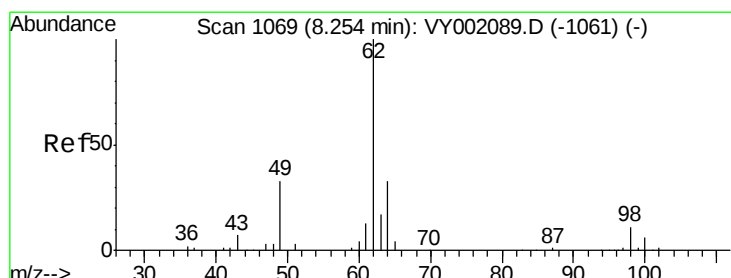
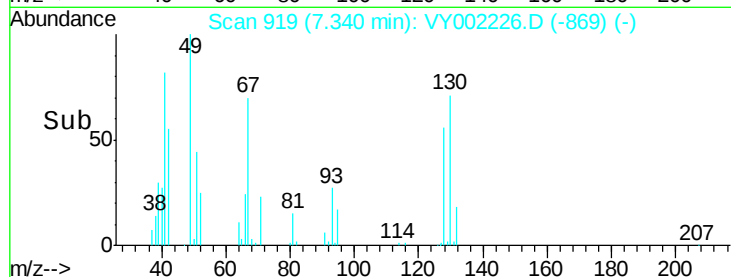
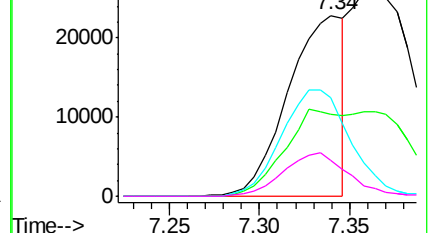


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 49.139 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VY002226.D

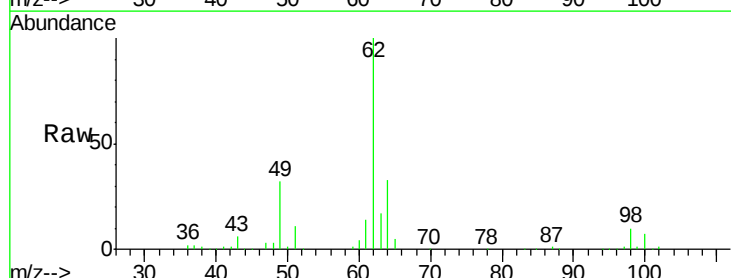
Acq: 06 Apr 2020 10:10

Tgt Ion: 62 Resp: 111871

Ion Ratio Lower Upper

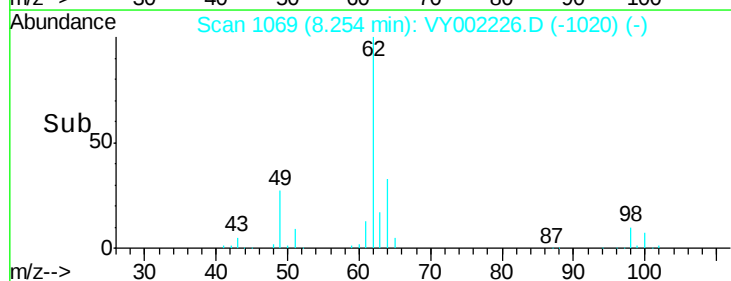
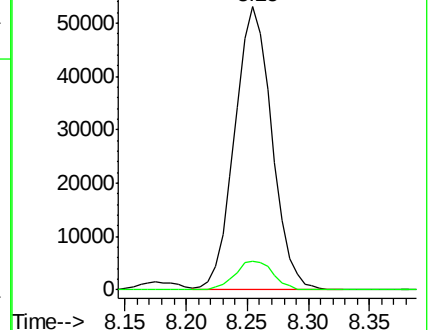
62 100

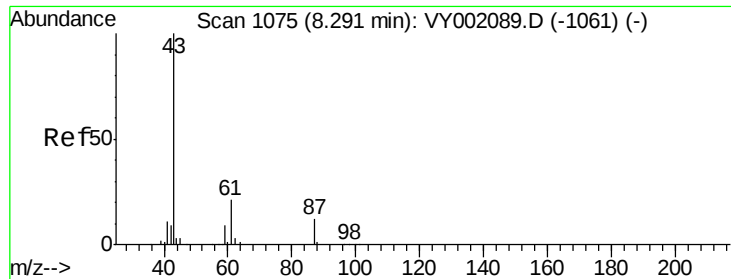
98 10.7 0.0 21.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 48.806 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

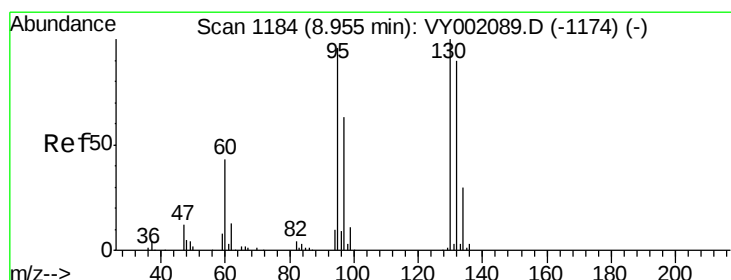
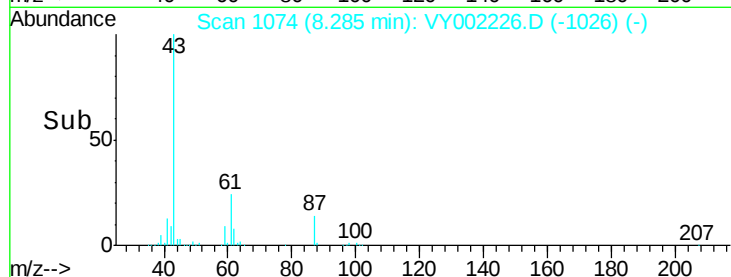
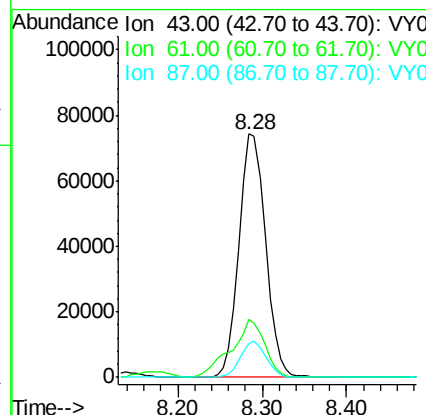
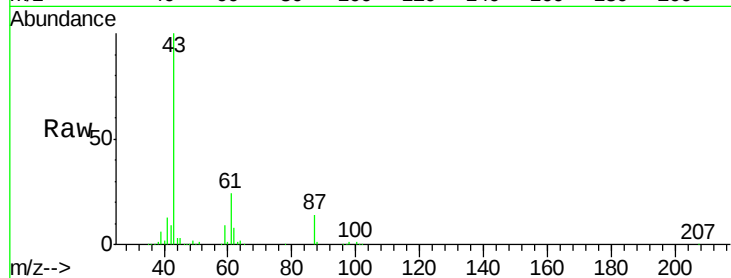
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	158471
Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.4	35.2
87	14.1	10.2	15.4

Manual Integrations
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MMDadoda
4/7/2020 7:06:00 PM



#44

Trichloroethene

Concen: 51.637 ug/l

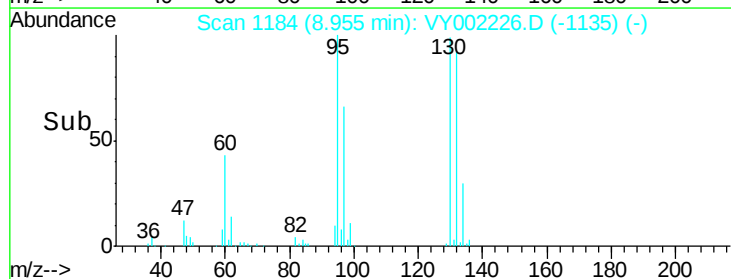
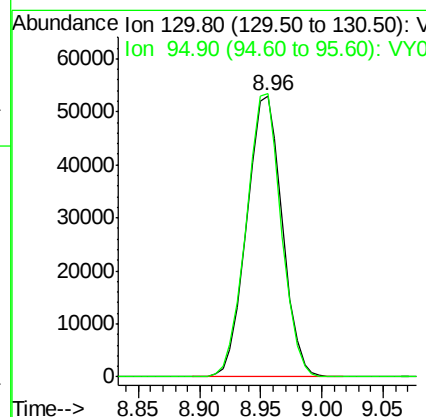
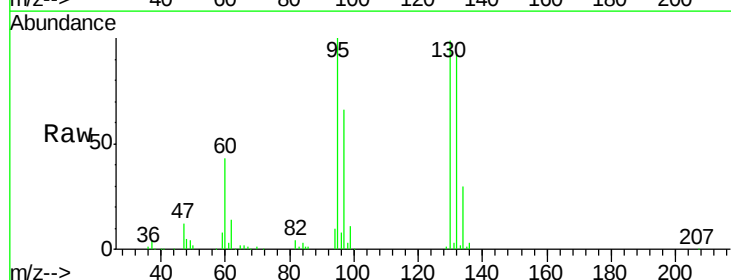
RT: 8.96 min Scan# 1184

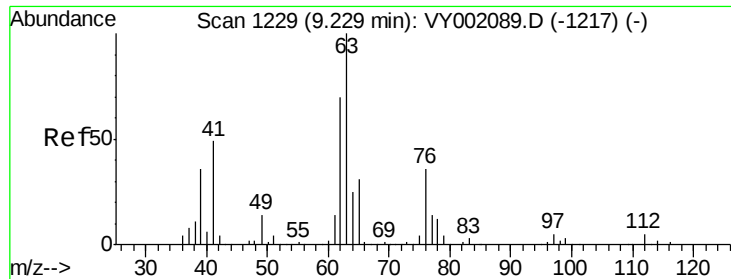
Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion:	130	Resp:	106738
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	193.0





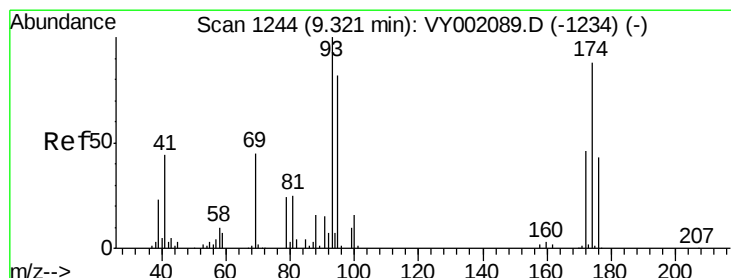
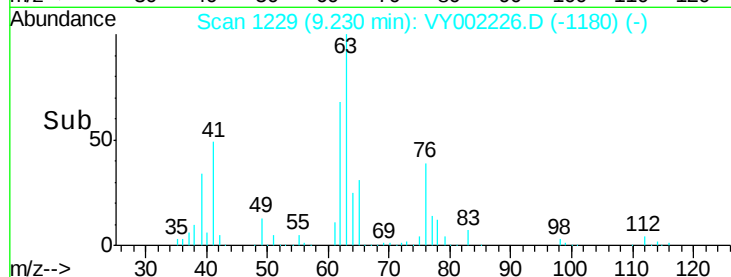
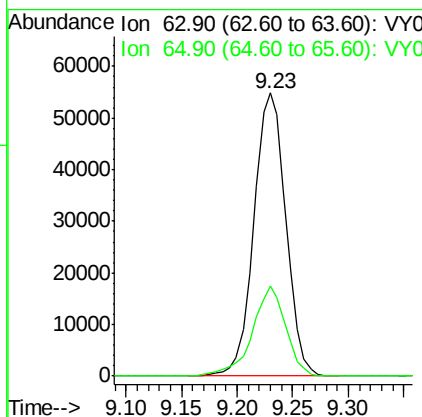
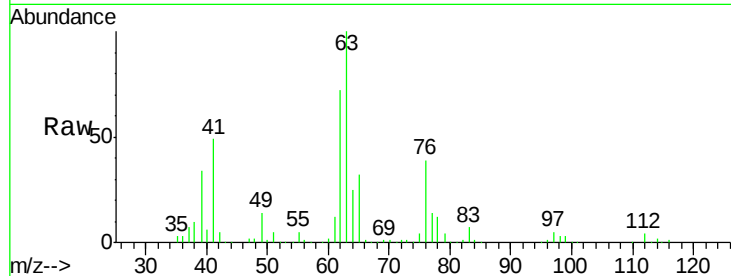
#45
 1,2-Dichloropropane
 Concen: 50.204 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 109617
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

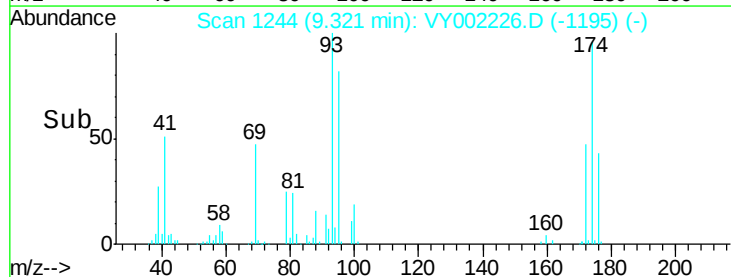
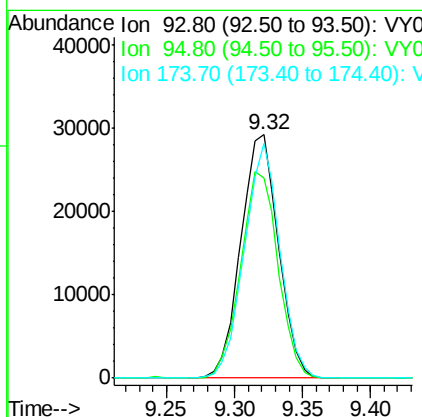
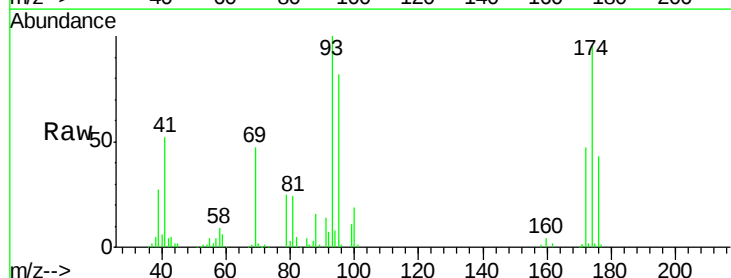
Manual Integrations
 APPROVED

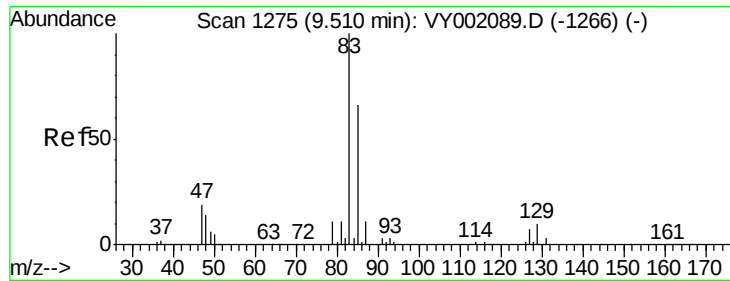
MMDadoda
 4/7/2020 7:06:00 PM



#46
 Dibromomethane
 Concen: 50.506 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Tgt Ion: 93 Resp: 56633
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.0 99.0
 174 91.4 69.8 104.8





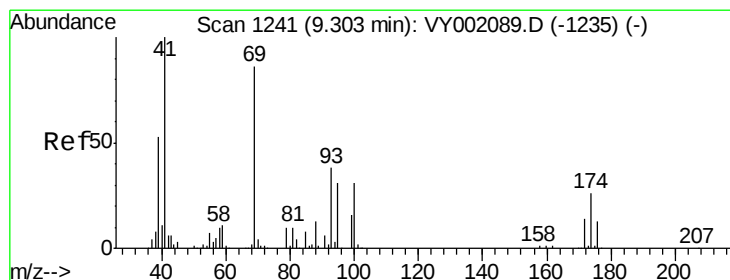
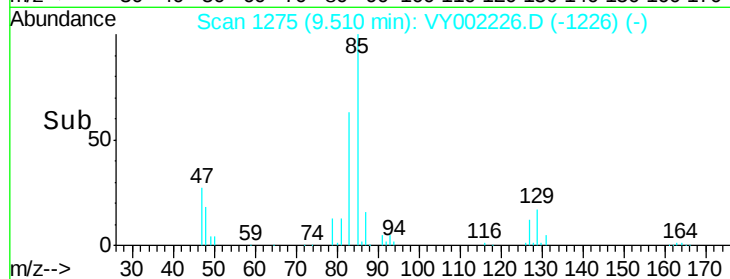
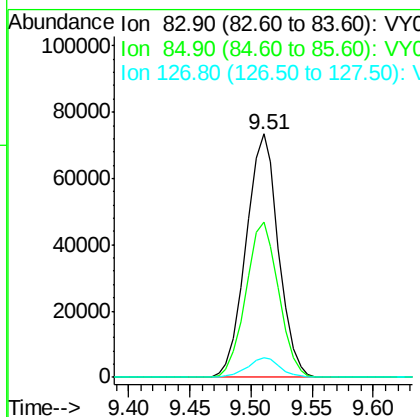
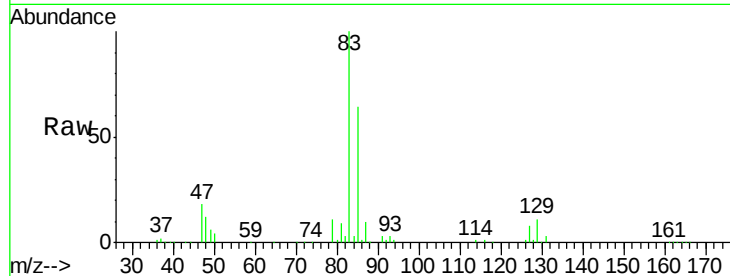
#47
Bromodichloromethane
Concen: 51.858 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	135369
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	52.6	79.0
127	7.9	5.9	8.9

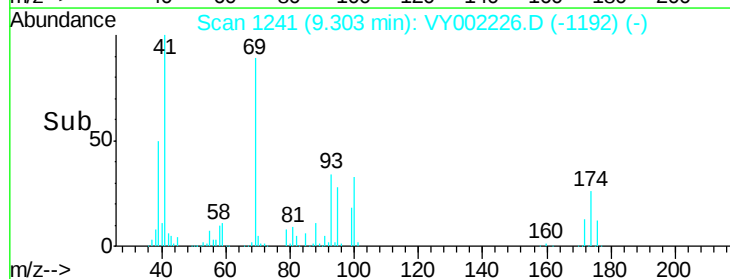
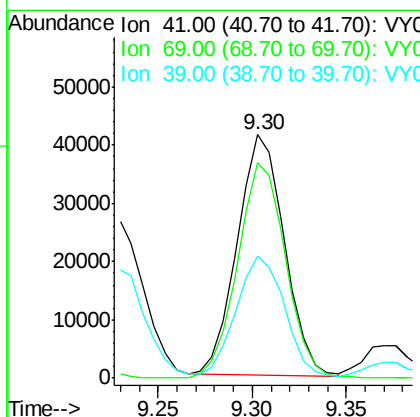
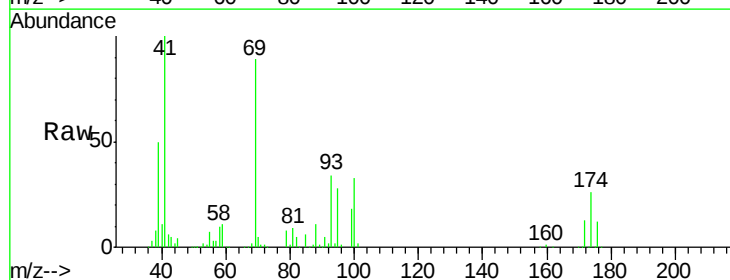
Manual Integrations
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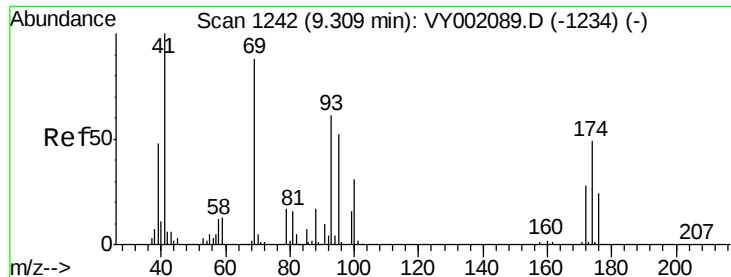
MMDadoda
4/7/2020 7:06:00 PM



#48
Methyl methacrylate
Concen: 49.169 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	41	Resp	71544
Ion Ratio	100	Lower	Upper
41	100		
69	91.5	71.4	107.0
39	51.0	41.0	61.4





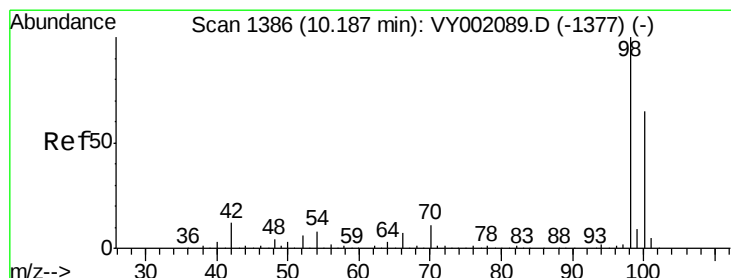
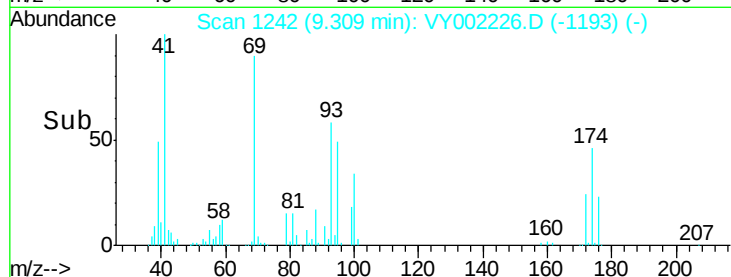
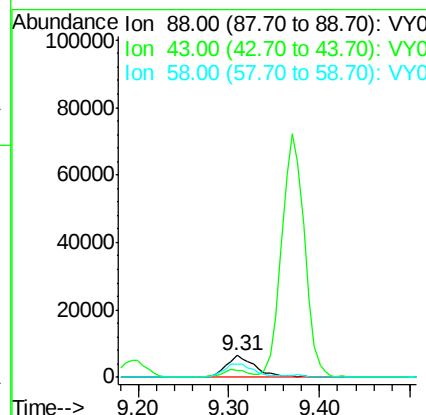
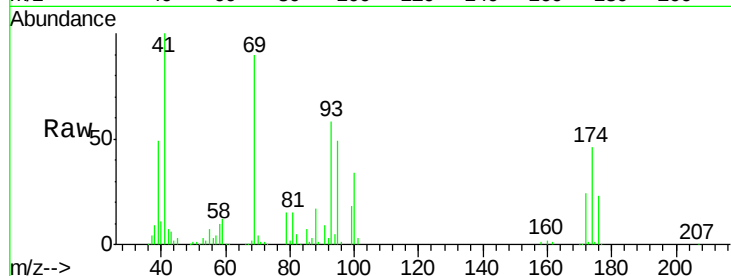
#49
 1,4-Dioxane
 Concen: 971.131 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	27.2	40.8
58	71.0	59.8	89.8

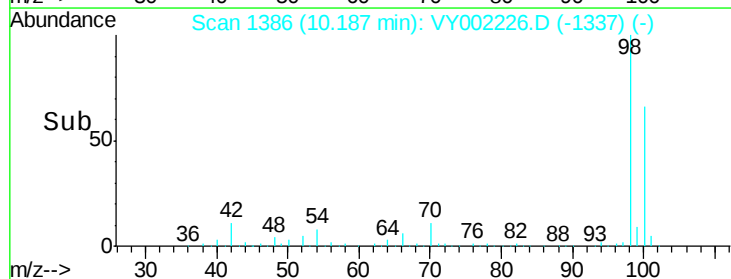
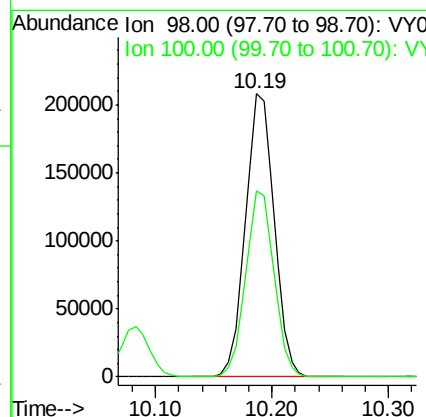
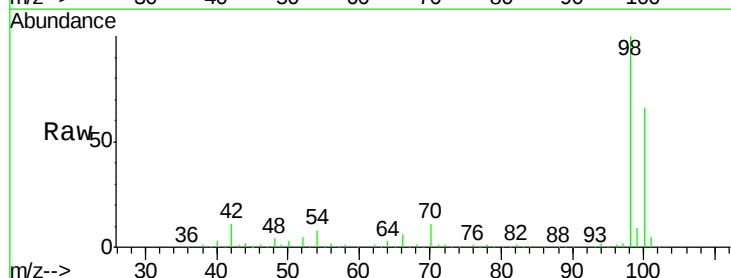
Manual Integrations
 APPROVED

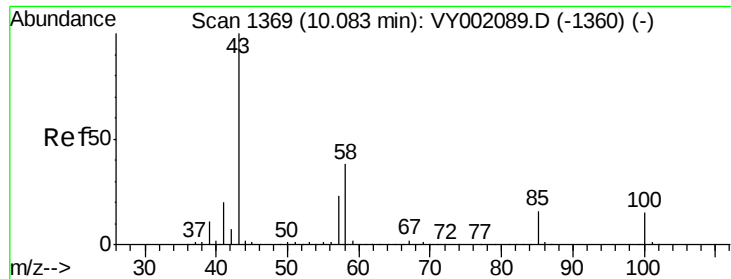
MMDadoda
 4/7/2020 7:06:00 PM



#50
 Toluene-d8
 Concen: 50.530 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4





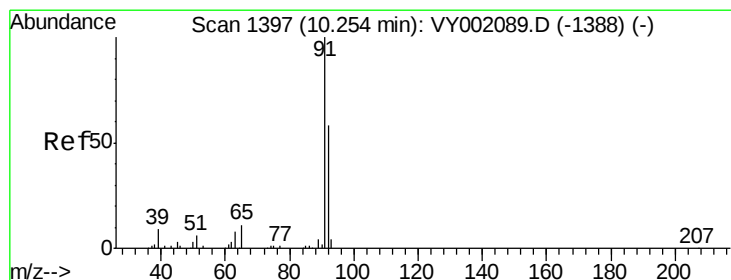
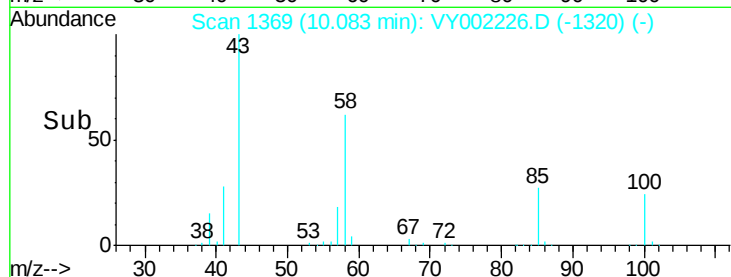
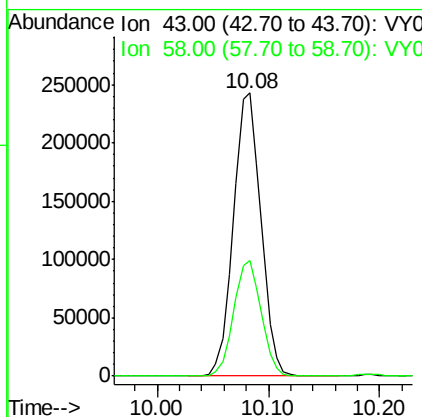
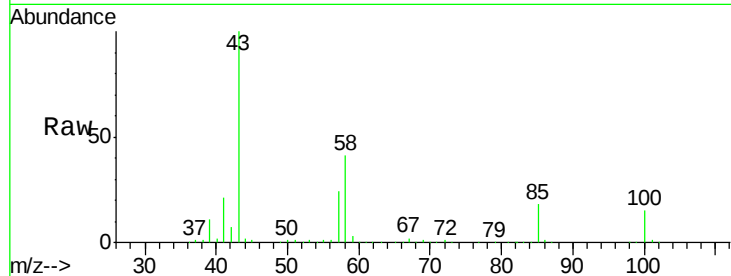
#51
4-Methyl-2-Pentanone
Concen: 248.522 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 415514
Ion Ratio Lower Upper
43 100
58 40.8 31.6 47.4

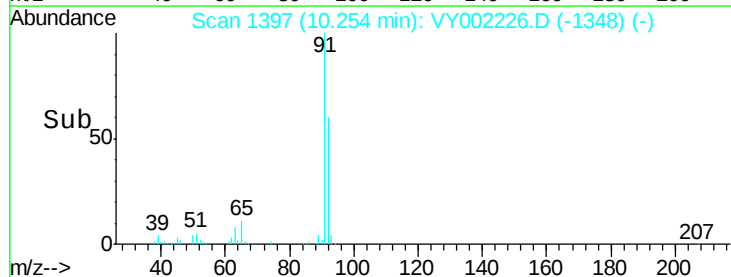
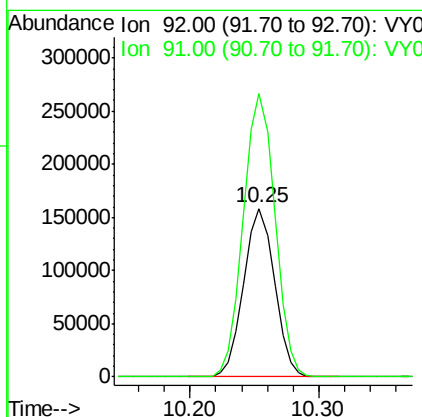
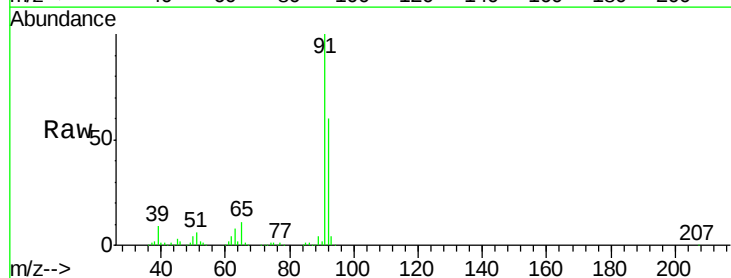
Manual Integrations
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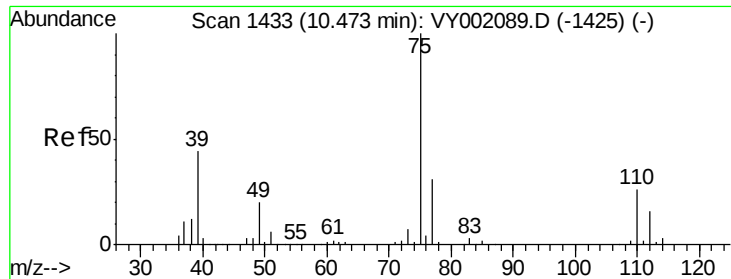
MMDadoda
4/7/2020 7:06:00 PM



#52
Toluene
Concen: 50.689 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion: 92 Resp: 262899
Ion Ratio Lower Upper
92 100
91 172.4 139.3 208.9





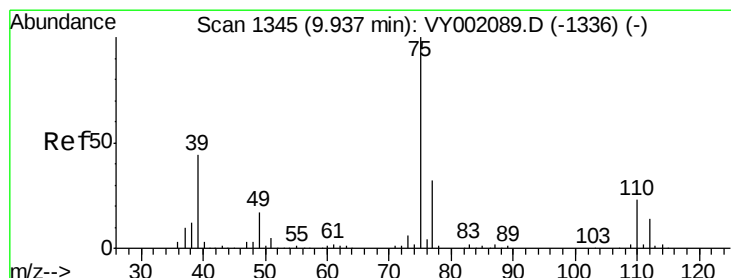
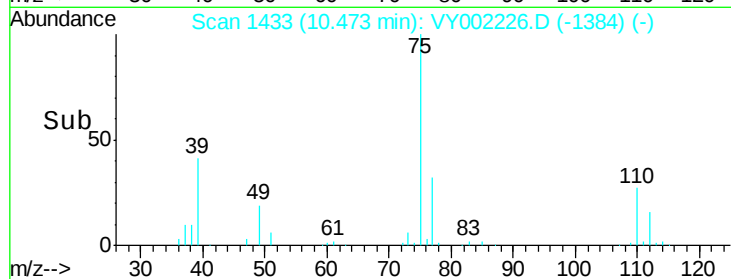
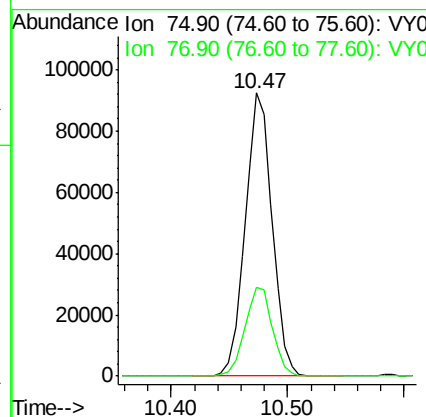
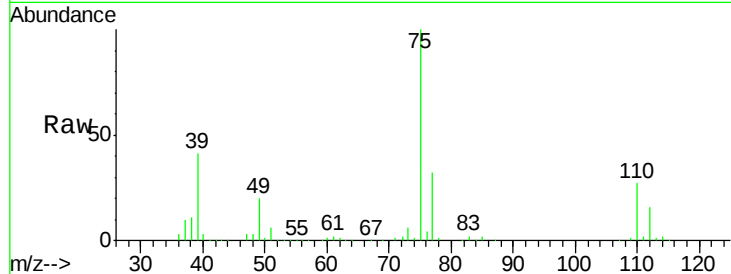
#53
t-1,3-Dichloropropene
Concen: 51.395 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 148907
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8

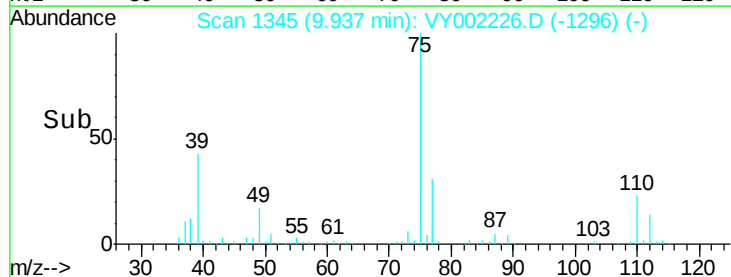
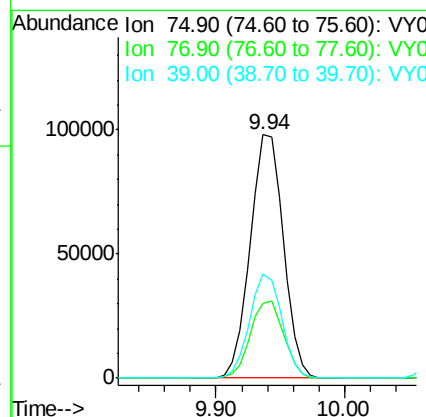
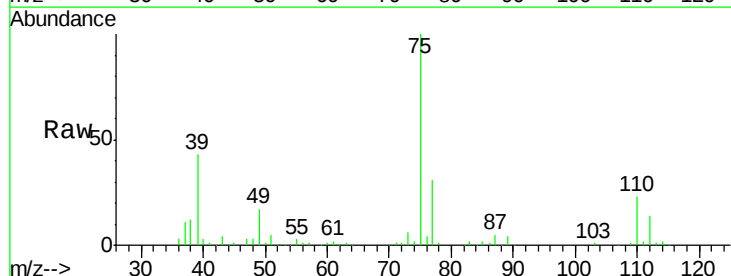
Manual Integrations
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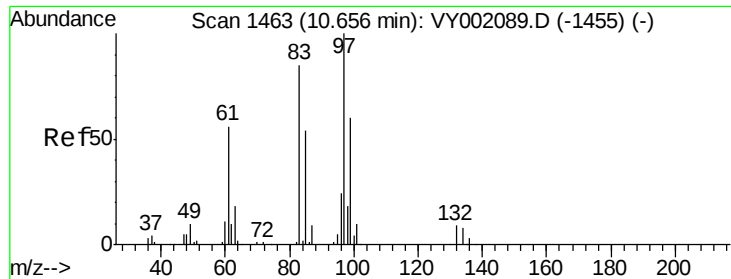
MMDadoda
4/7/2020 7:06:00 PM



#54
cis-1,3-Dichloropropene
Concen: 51.117 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion: 75 Resp: 174370
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4
39 43.0 35.2 52.8





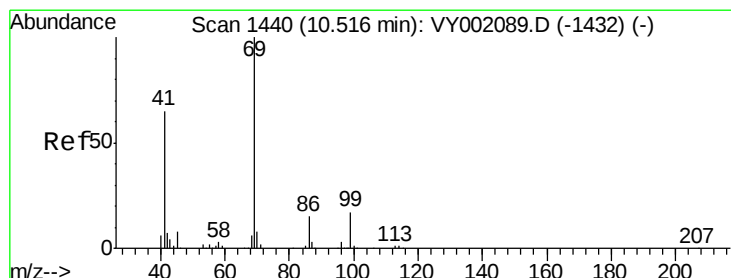
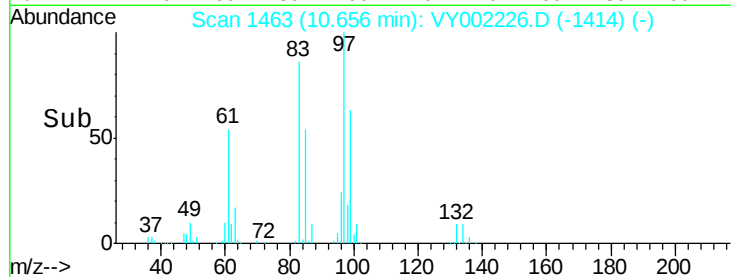
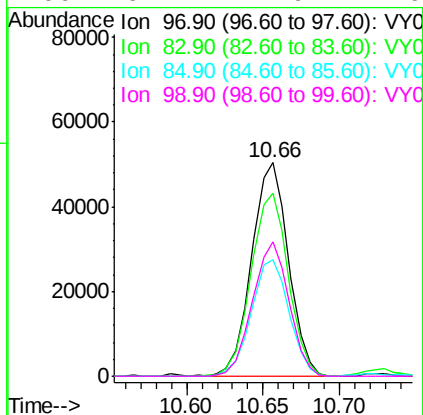
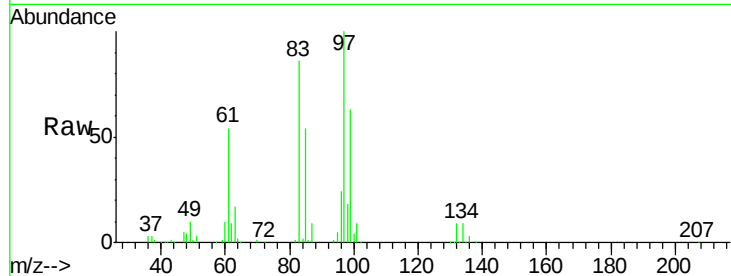
#55
 1,1,2-Trichloroethane
 Concen: 51.047 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	84717
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.2	102.2
85	54.3	42.9	64.3
99	62.7	47.9	71.9

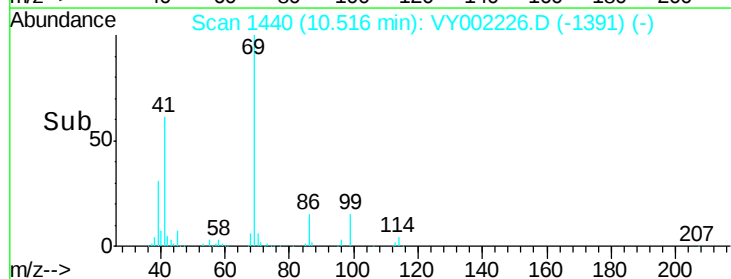
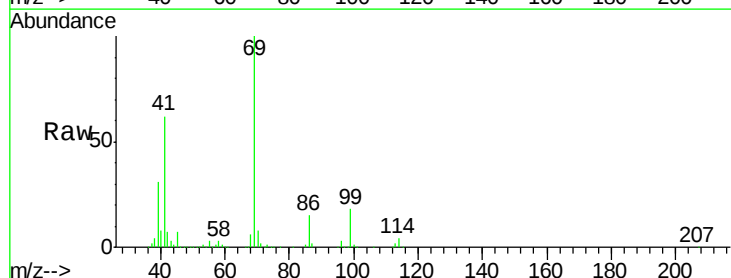
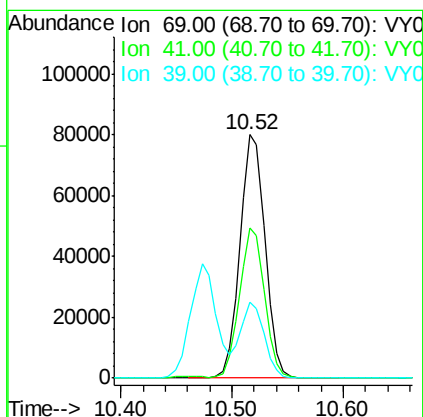
Manual Integrations
 APPROVED

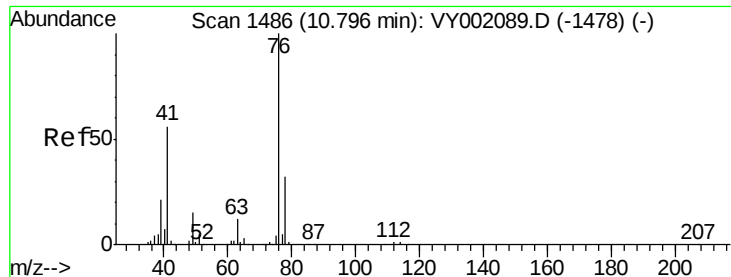
MMDadoda
 4/7/2020 7:06:00 PM



#56
 Ethyl methacrylate
 Concen: 51.550 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Tgt Ion:	69	Resp:	124955
Ion	Ratio	Lower	Upper
69	100		
41	61.7	52.8	79.2
39	30.1	25.0	37.6





#57

1,3-Dichloropropane

Concen: 50.085 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 146858

Ion Ratio Lower Upper

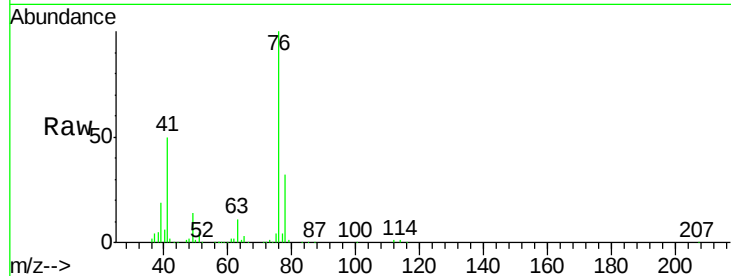
76 100

78 32.2 26.1 39.1

Manual Integrations
APPROVED

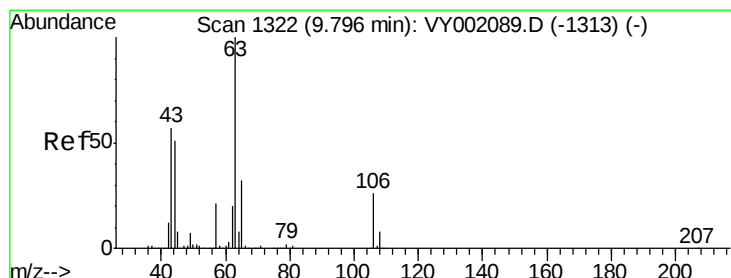
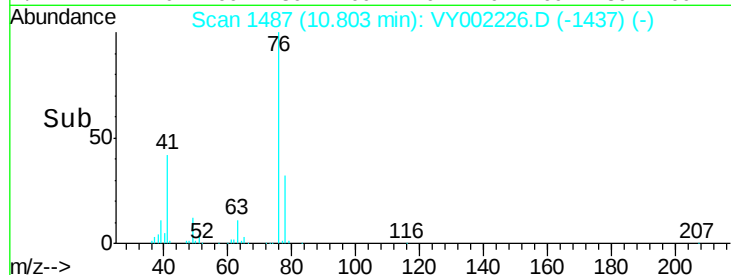
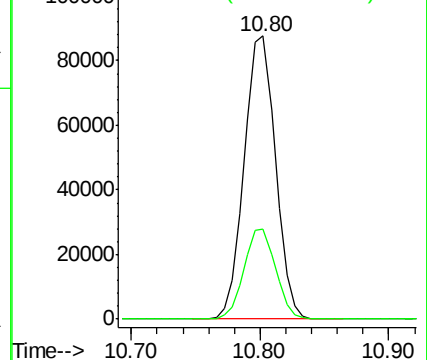
MMDadoda

4/7/2020 7:06:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 260.029 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VY002226.D

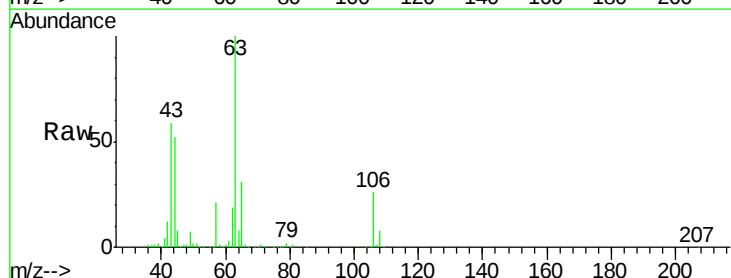
Acq: 06 Apr 2020 10:10

Tgt Ion: 63 Resp: 323875

Ion Ratio Lower Upper

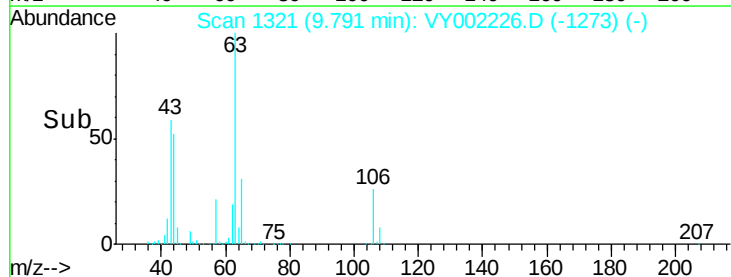
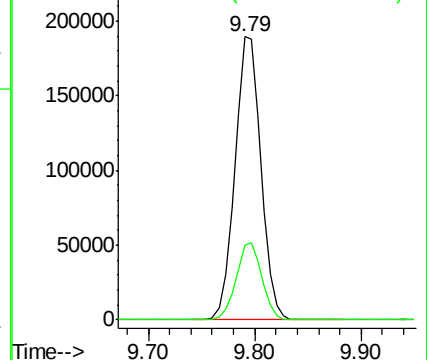
63 100

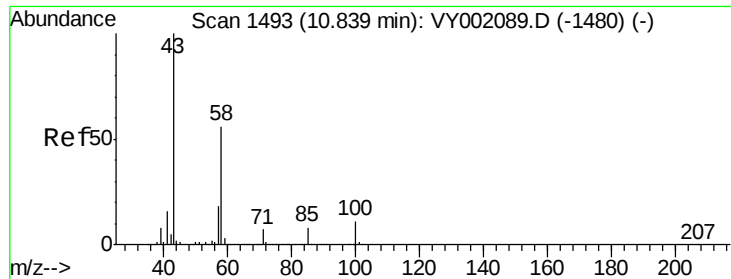
106 27.0 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





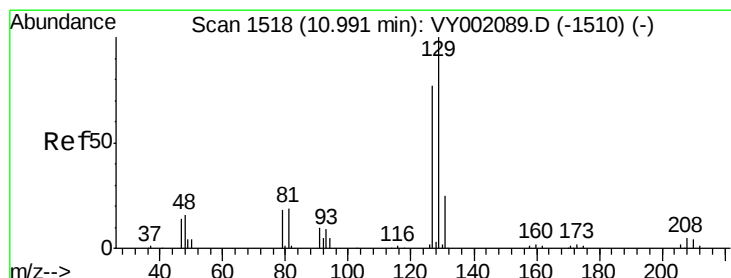
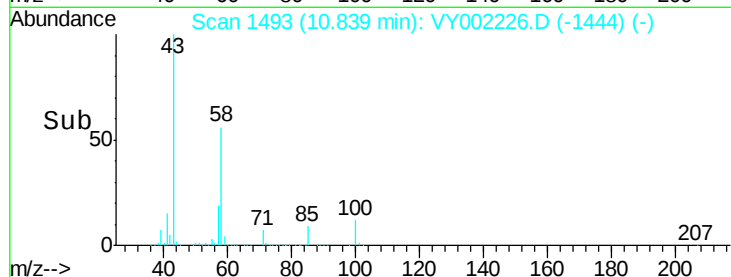
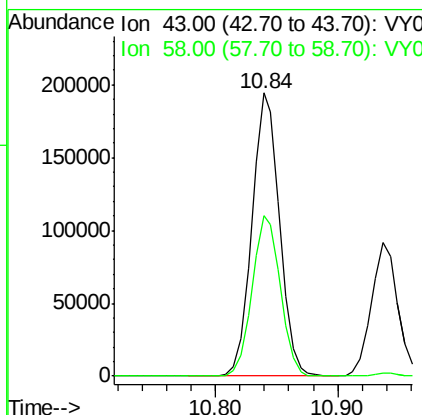
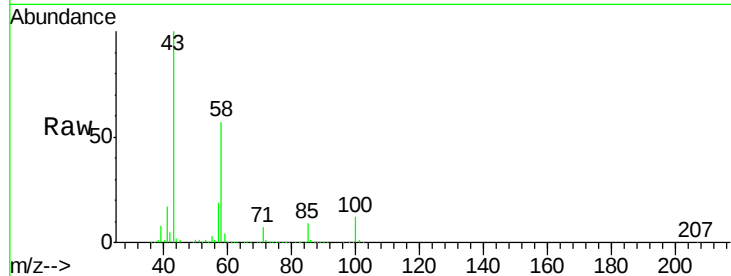
#59
2-Hexanone
Concen: 259.650 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 305802
Ion Ratio Lower Upper
43 100
58 57.6 27.9 83.6

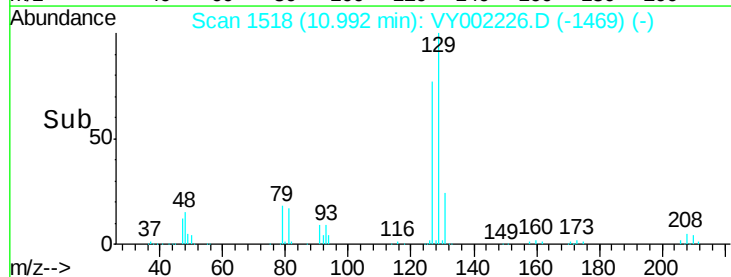
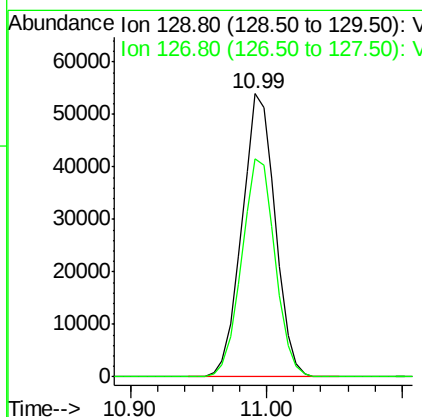
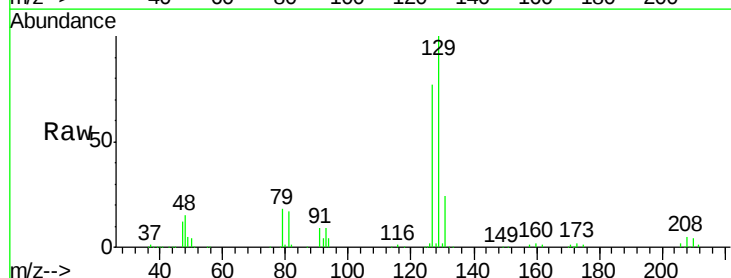
Manual Integrations
APPROVED

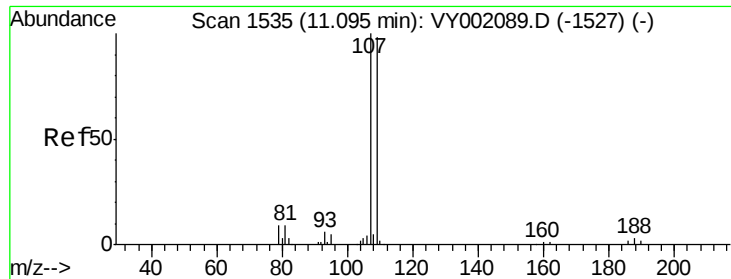
MMDadoda
4/7/2020 7:06:00 PM



#60
Dibromochloromethane
Concen: 53.017 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion: 129 Resp: 92071
Ion Ratio Lower Upper
129 100
127 77.3 38.7 116.1





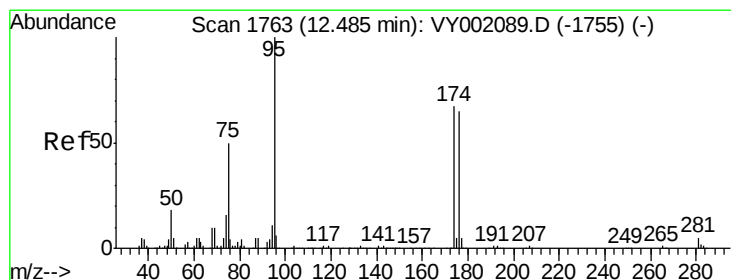
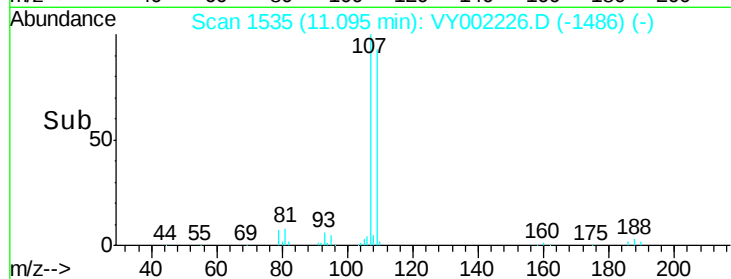
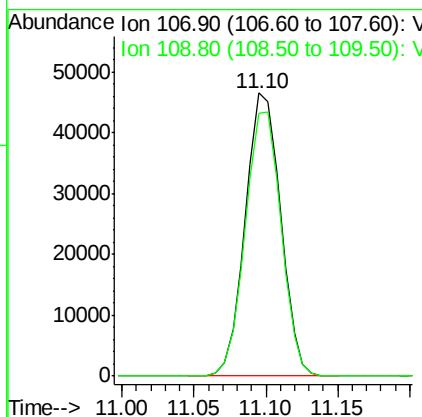
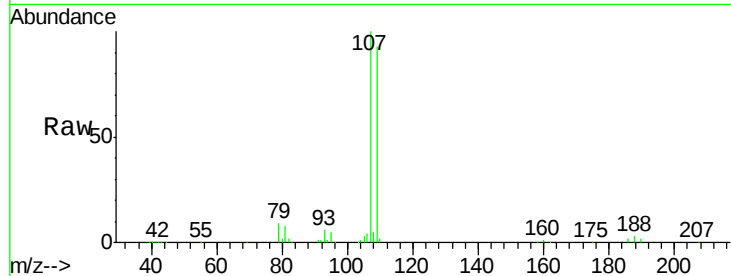
#61
 1,2-Dibromoethane
 Concen: 50.915 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 79089
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.3 114.5

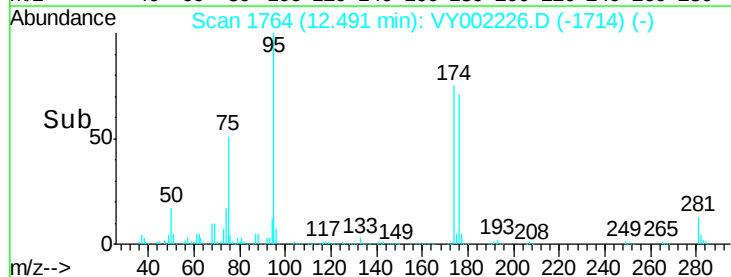
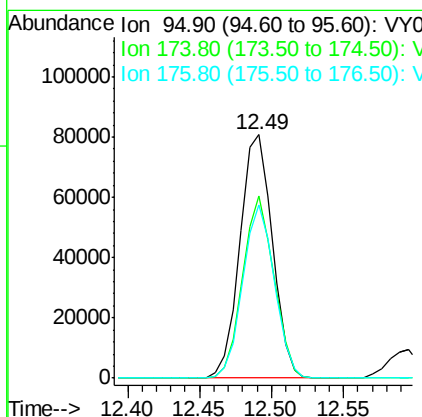
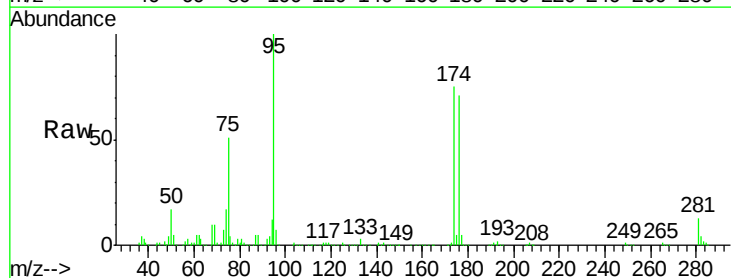
Manual Integrations
 APPROVED

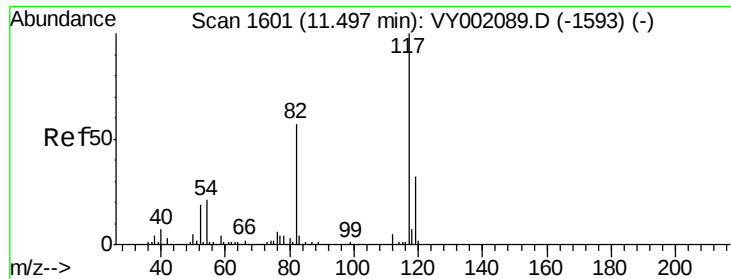
MMDadoda
 4/7/2020 7:06:00 PM



#62
 4-Bromofluorobenzene
 Concen: 50.647 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Tgt Ion: 95 Resp: 126190
 Ion Ratio Lower Upper
 95 100
 174 72.0 0.0 143.4
 176 69.3 0.0 137.0





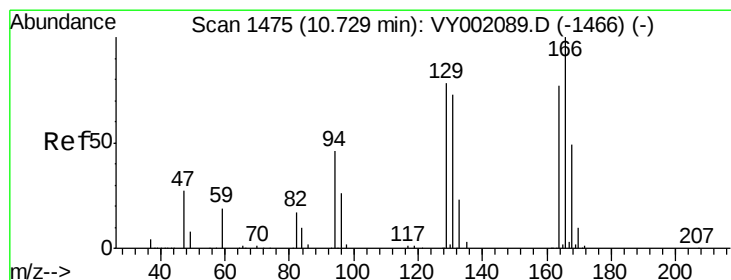
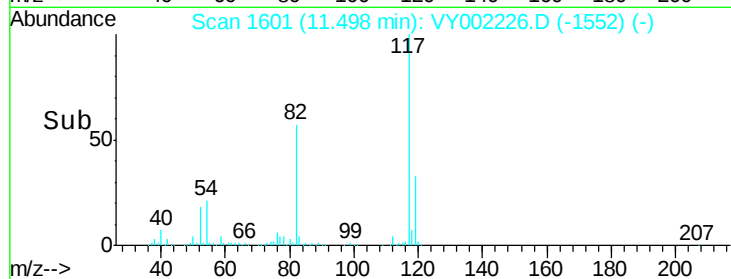
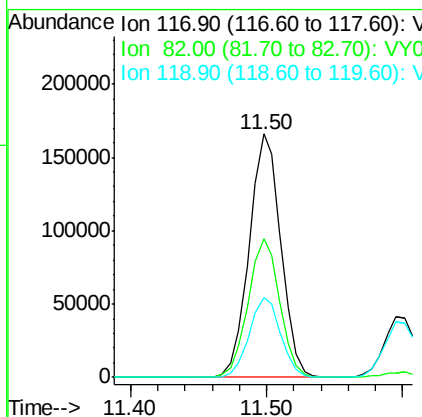
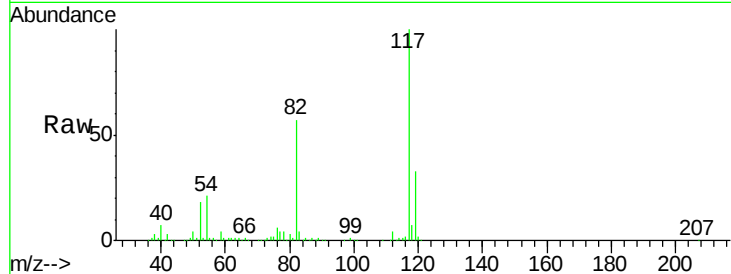
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.4	68.2
119	32.6	25.3	37.9

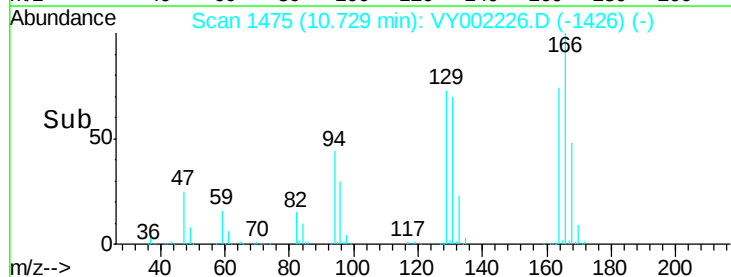
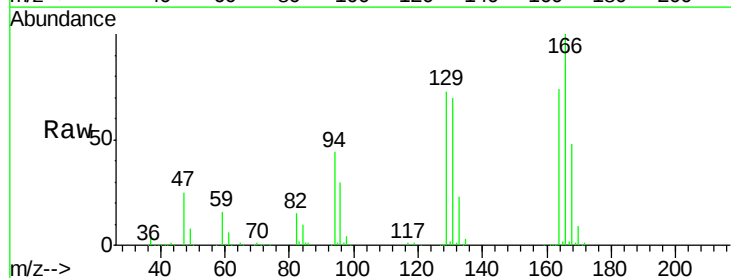
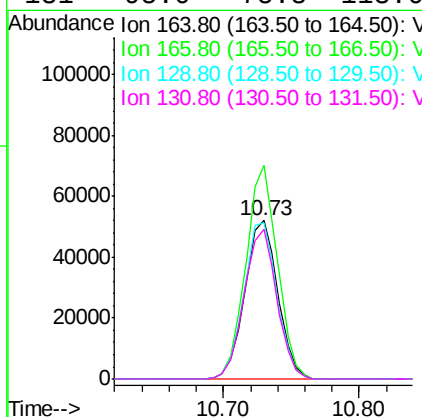
Manual Integrations
APPROVED

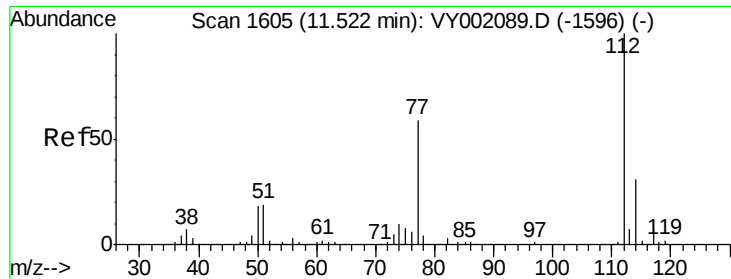
MMDadoda
4/7/2020 7:06:00 PM



#64
Tetrachloroethene
Concen: 53.480 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.9	104.0	156.0
129	99.1	81.2	121.8
131	95.0	75.8	113.6





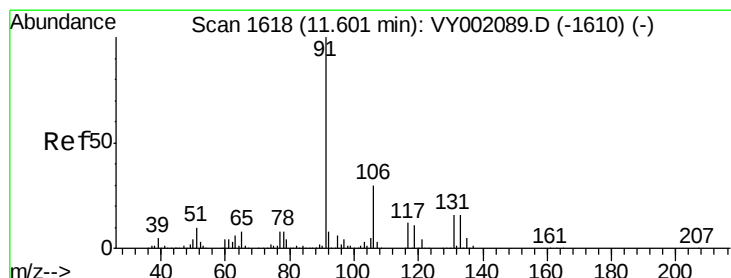
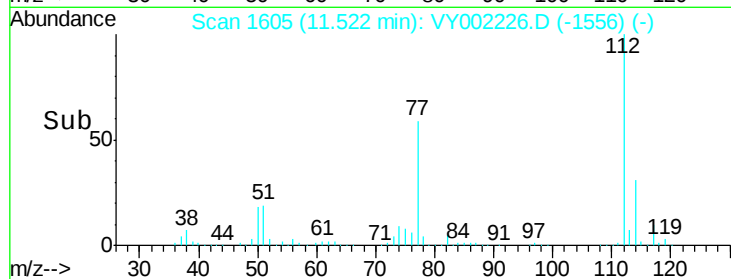
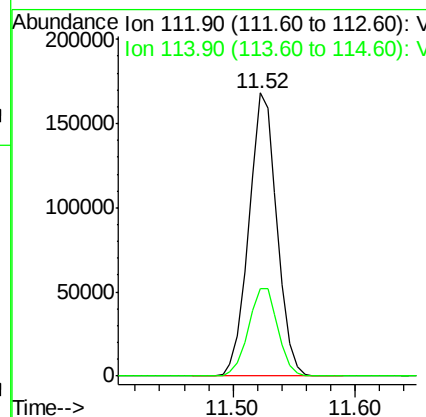
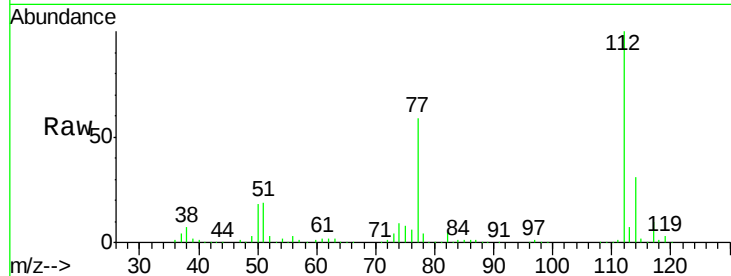
#65
Chlorobenzene
Concen: 51.292 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 267407
Ion Ratio Lower Upper
112 100
114 30.8 24.9 37.3

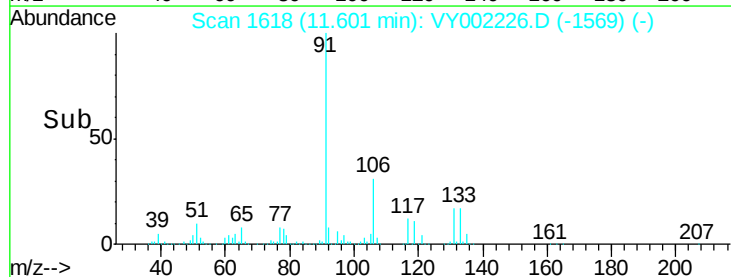
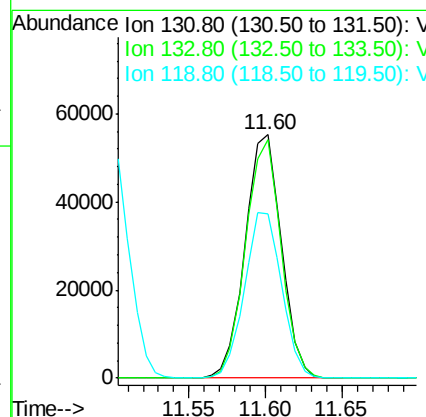
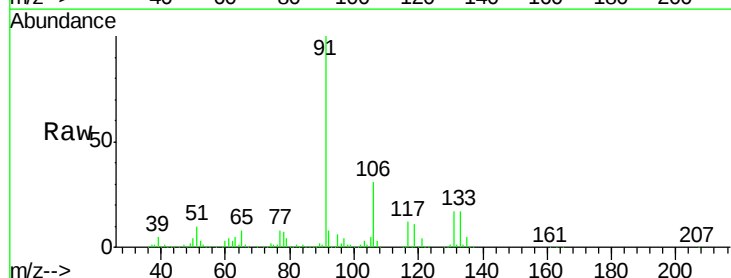
Manual Integrations
APPROVED

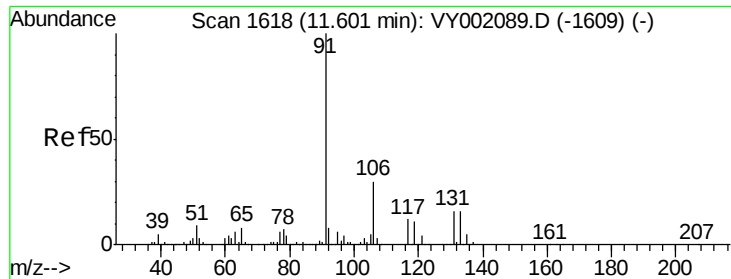
MMDadoda
4/7/2020 7:06:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.253 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion:131 Resp: 91137
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.5
119 69.7 34.6 103.9





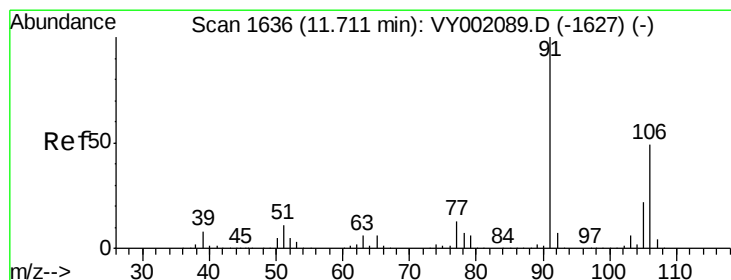
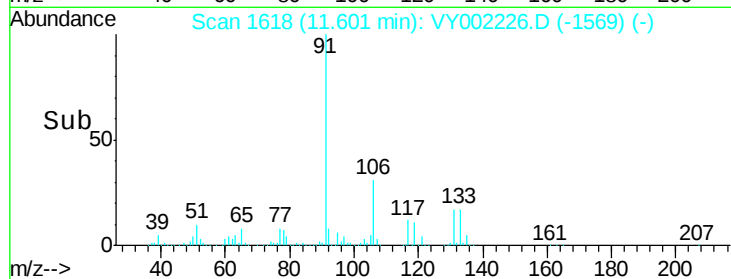
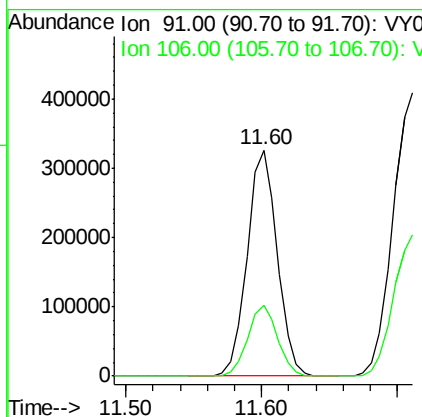
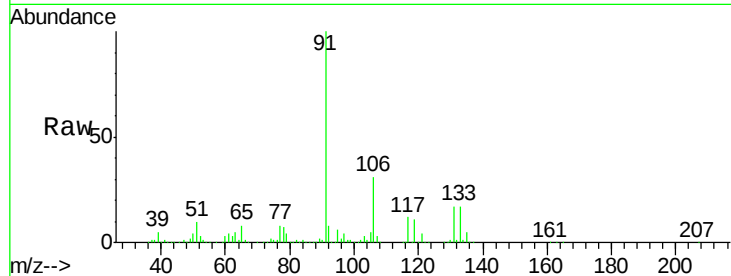
#67
Ethyl Benzene
Concen: 51.980 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 503314
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1

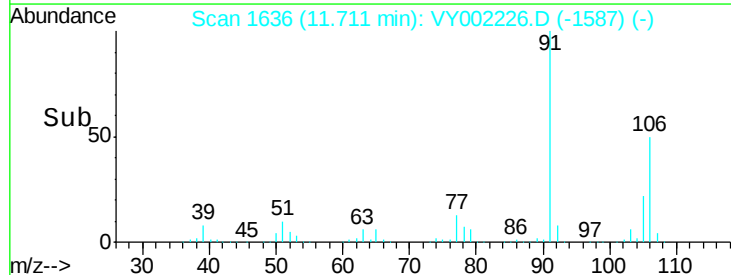
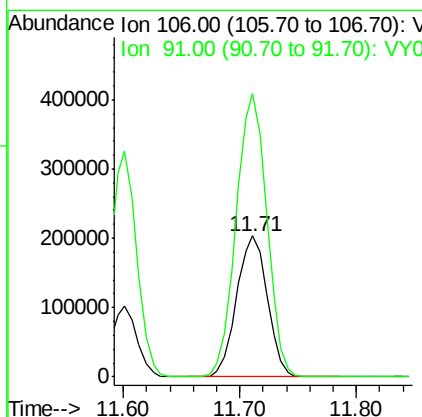
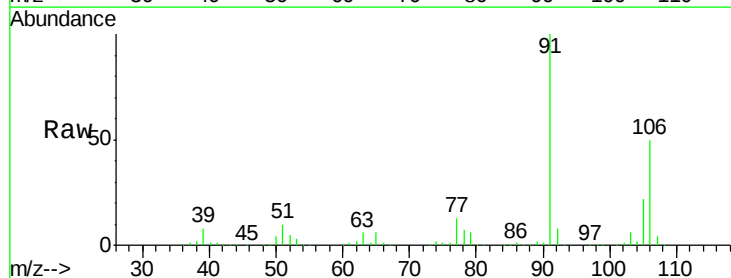
Manual Integrations
APPROVED

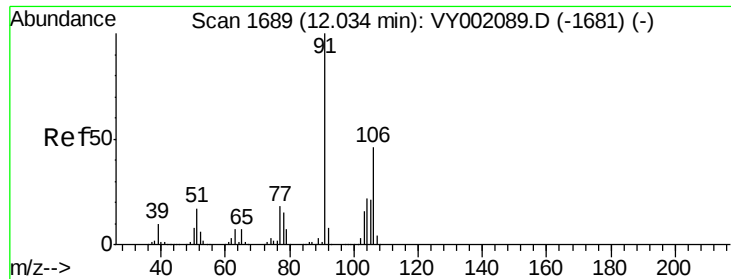
MMDadoda
4/7/2020 7:06:00 PM



#68
m/p-Xylenes
Concen: 104.637 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion: 106 Resp: 374608
Ion Ratio Lower Upper
106 100
91 200.8 162.8 244.2





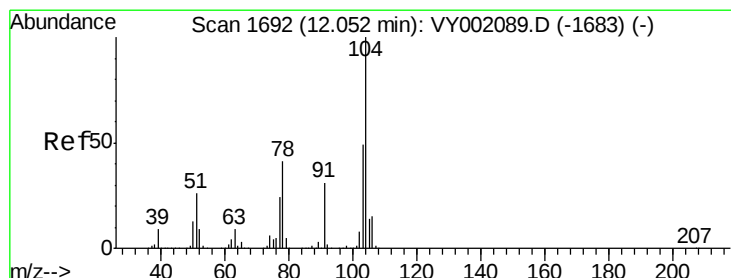
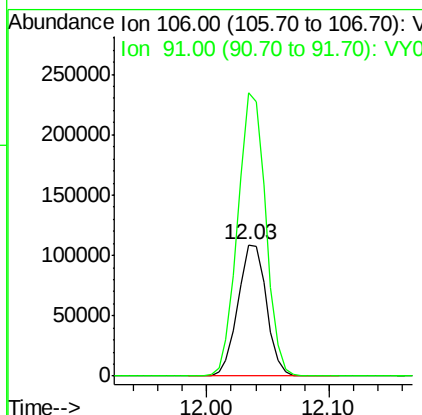
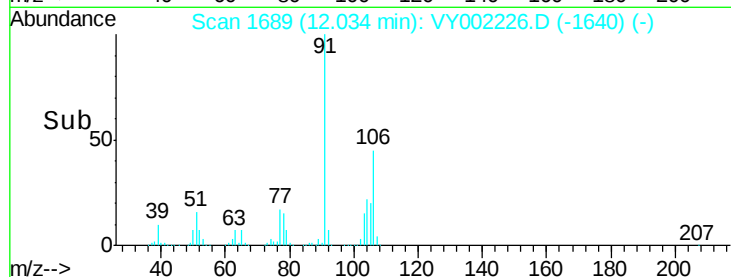
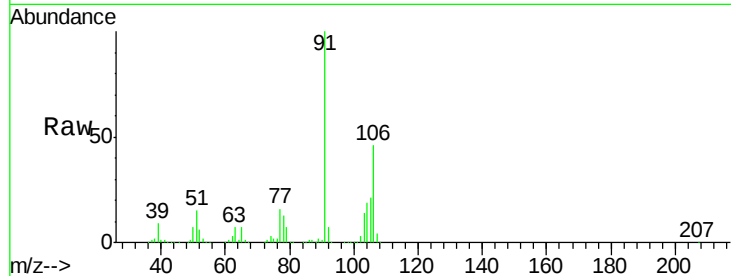
#69
o-Xylene
Concen: 51.474 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		174811		
91	212.4	107.3	321.8		

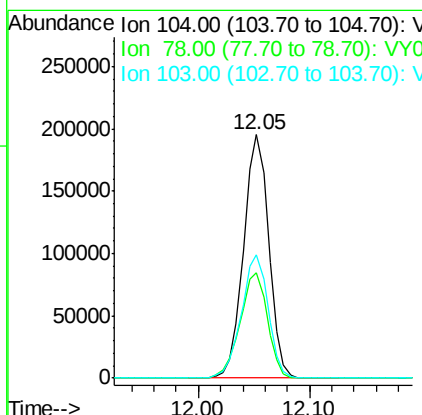
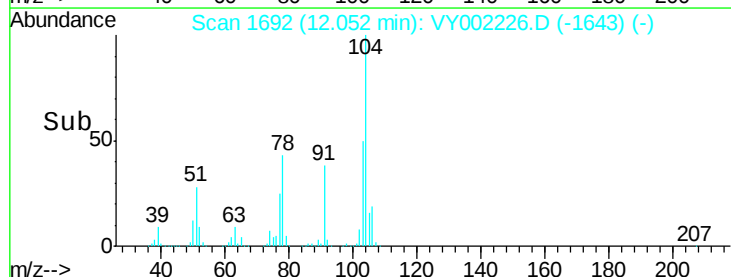
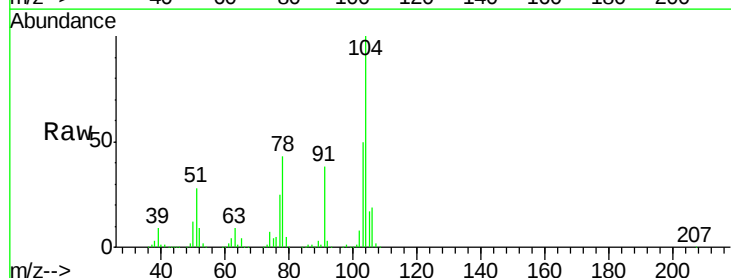
Manual Integrations
APPROVED

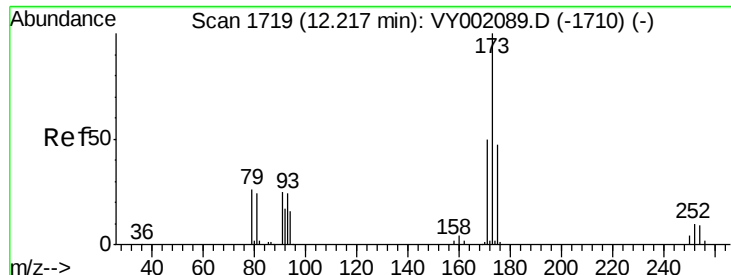
MMDadoda
4/7/2020 7:06:00 PM



#70
Styrene
Concen: 52.075 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		306449		
78	47.1	37.9	56.9		
103	54.0	43.2	64.8		





#71

Bromoform

Concen: 54.849 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 52397

Ion Ratio Lower Upper

173 100

175 48.8 23.9 71.8

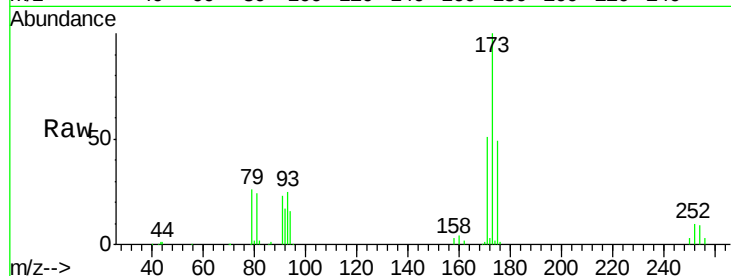
254 0.0 0.0 0.0

Manual Integrations

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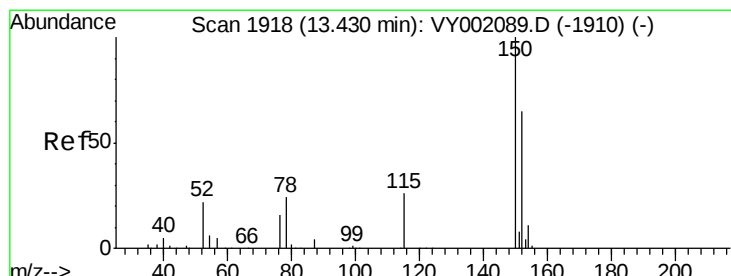
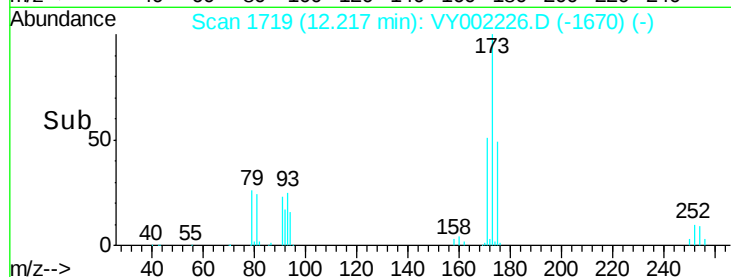
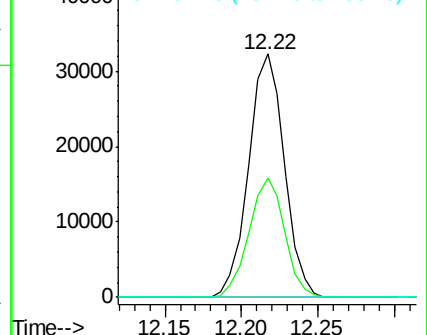
4/7/2020 7:06:00 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

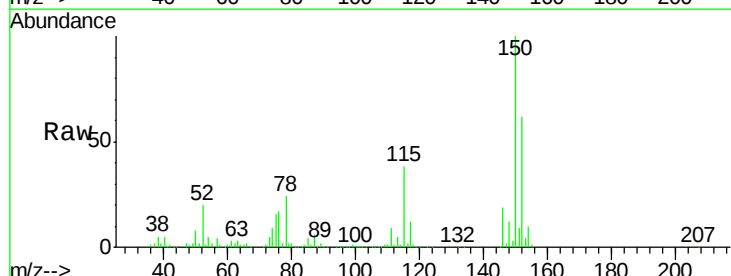
Tgt Ion:152 Resp: 123558

Ion Ratio Lower Upper

152 100

115 60.9 31.2 93.6

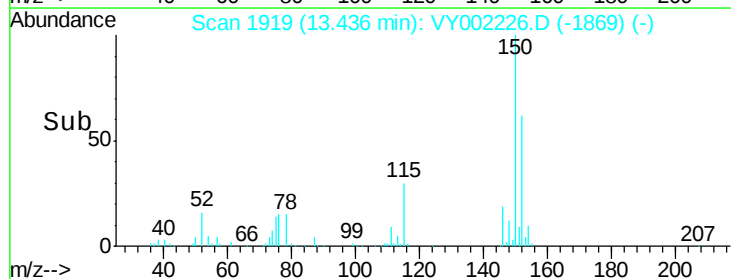
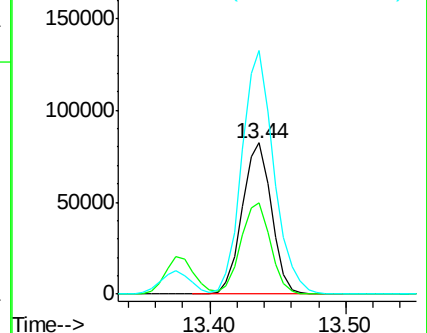
150 175.8 0.0 354.8

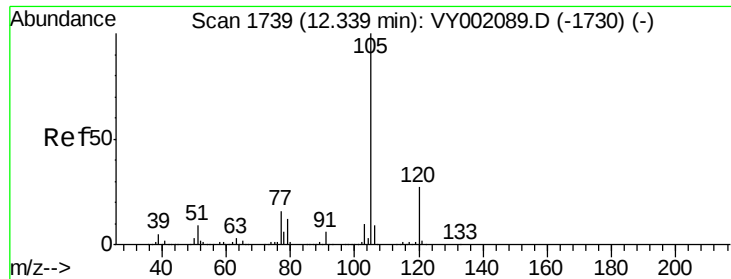


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.485 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 471894

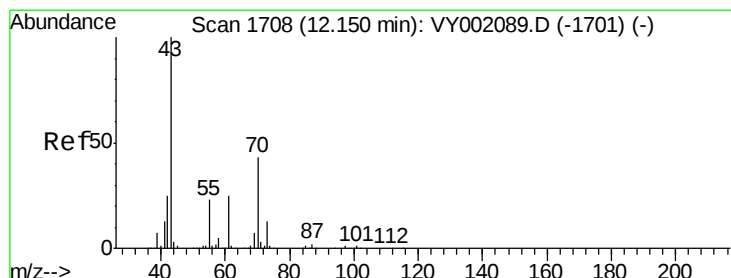
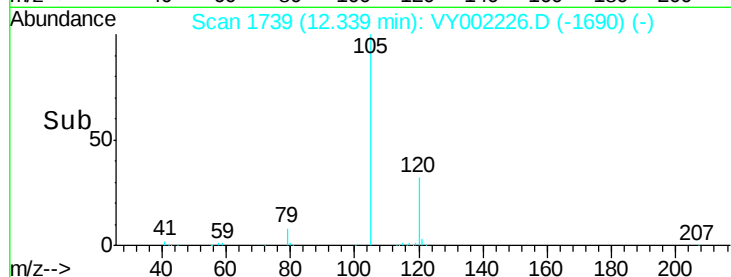
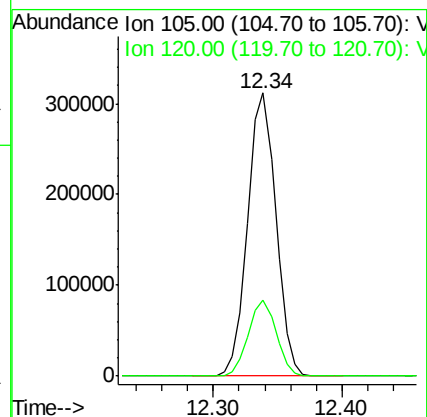
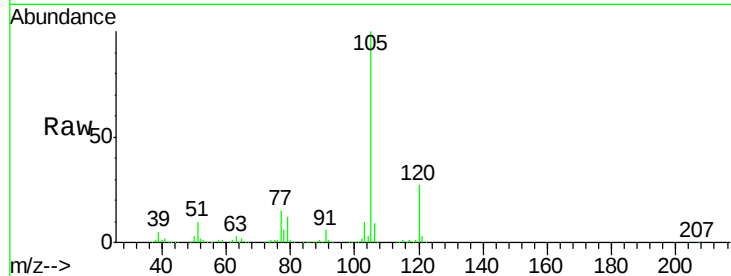
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

Manual Integrations
APPROVED

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4/7/2020 7:06:00 PM



#74

N-ethyl acetate

Concen: 49.710 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion: 43 Resp: 143701

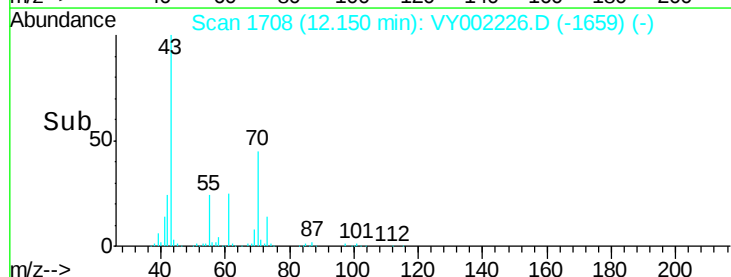
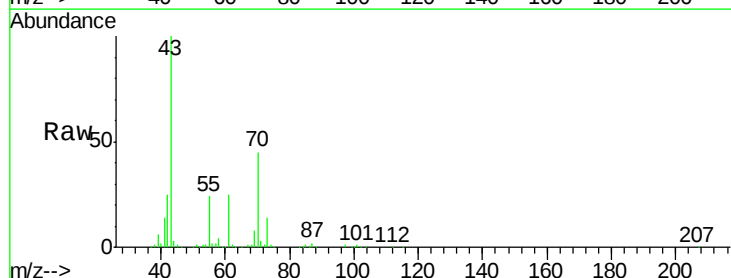
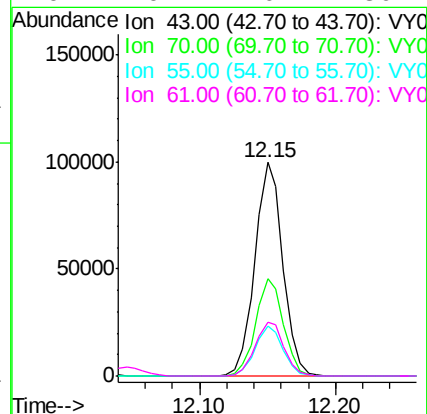
Ion Ratio Lower Upper

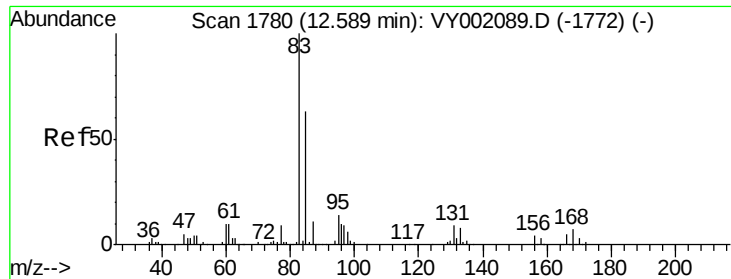
43 100

70 45.3 35.0 52.4

55 23.5 18.7 28.1

61 26.2 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.986 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

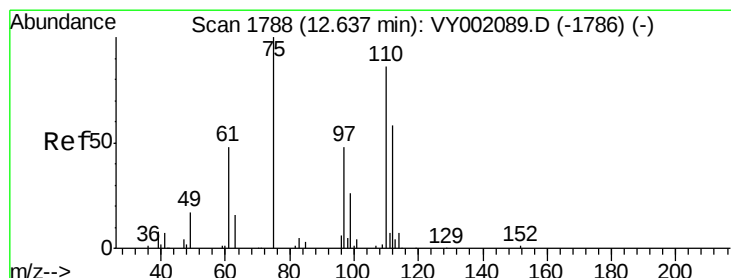
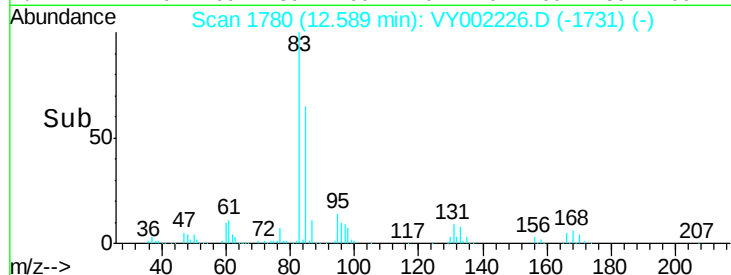
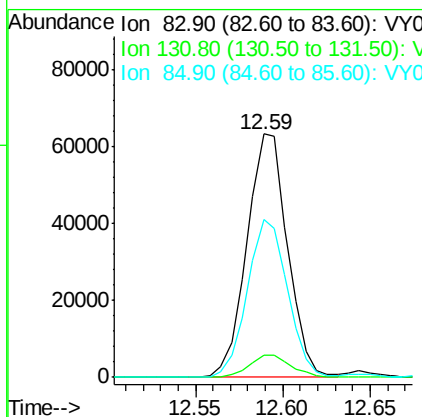
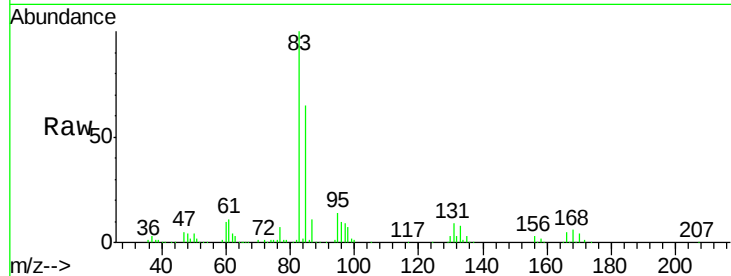
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	102533
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	64.1	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.813 ug/l m

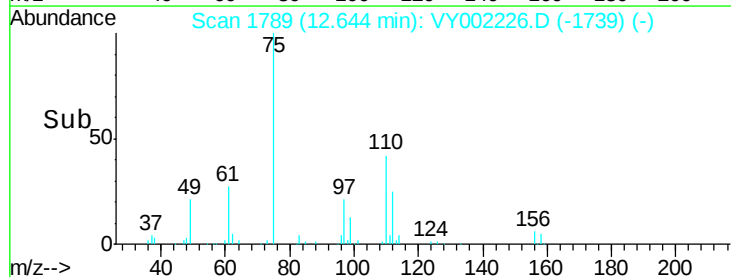
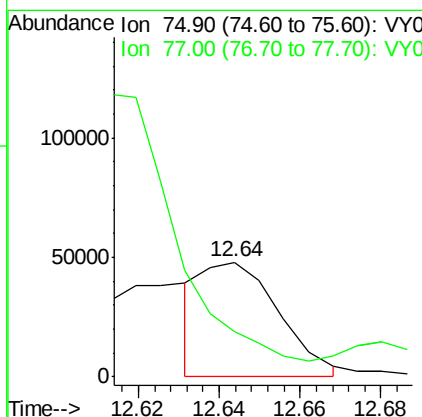
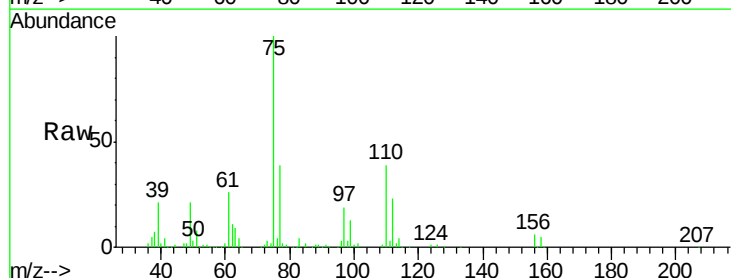
RT: 12.64 min Scan# 1789

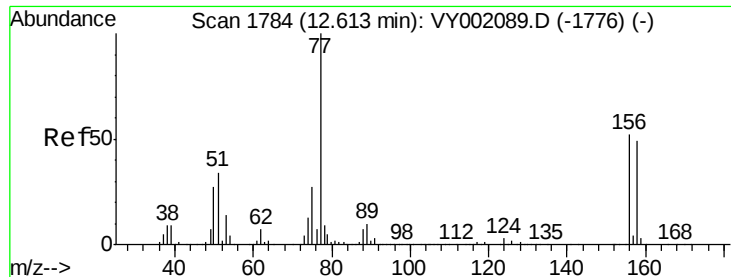
Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion:	75	Resp:	63319
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.407 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

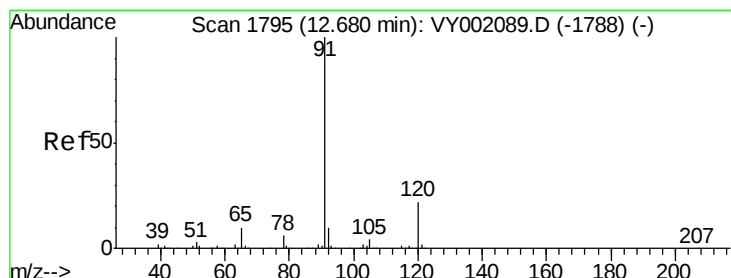
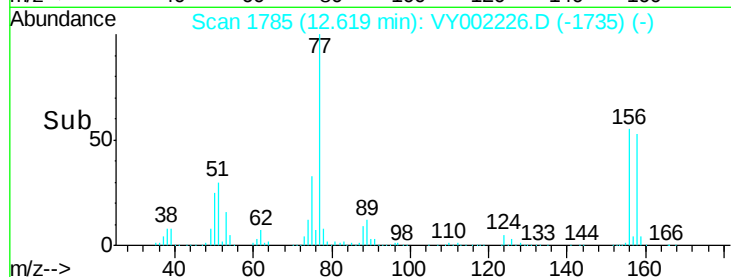
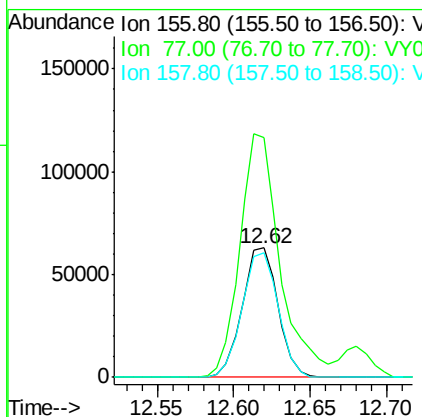
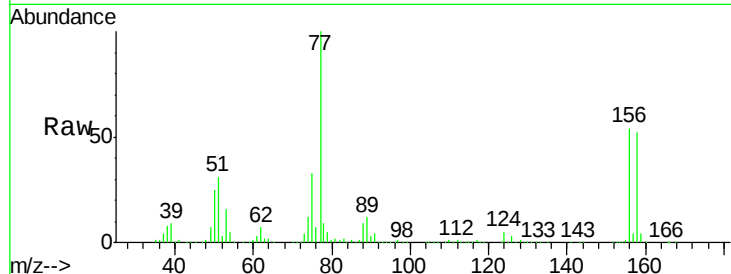
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	102540
Ion Ratio	Lower	Upper	
156	100		
77	210.7	107.8	323.6
158	96.9	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 51.453 ug/l

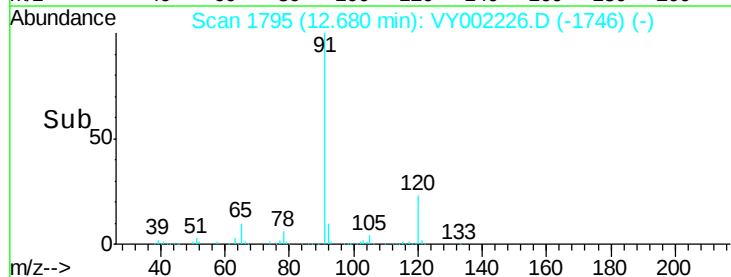
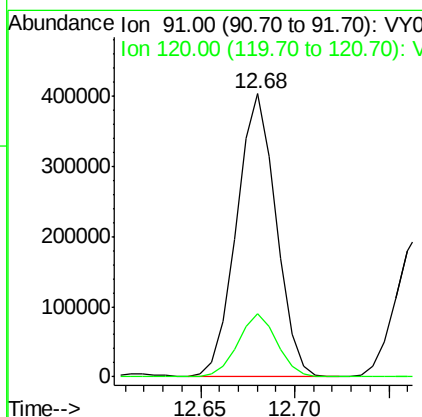
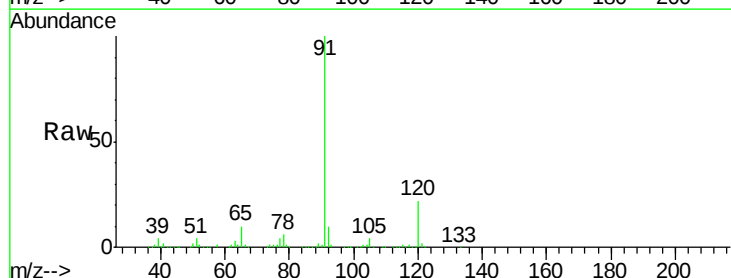
RT: 12.68 min Scan# 1795

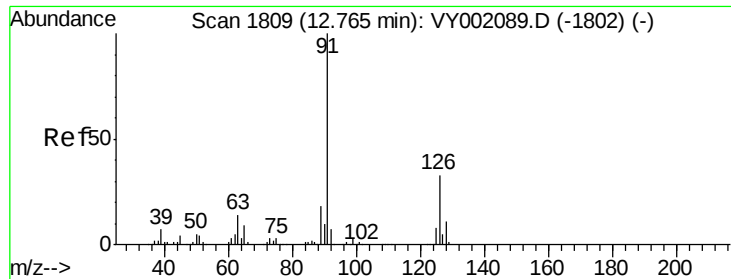
Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion:	91	Resp:	585242
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 50.811 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 317324

Ion Ratio Lower Upper

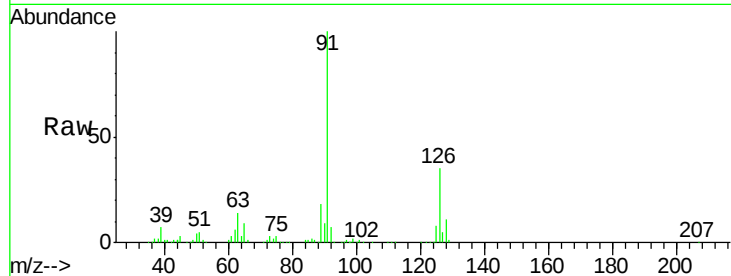
91 100

126 34.0 16.4 49.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002089.D (-1802) (-)

300000

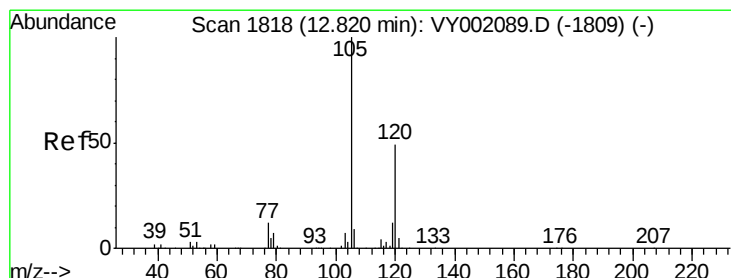
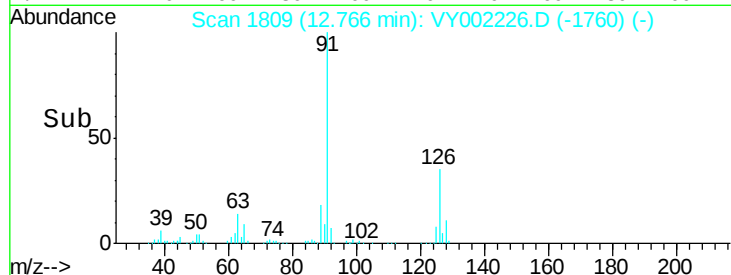
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.017 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002226.D

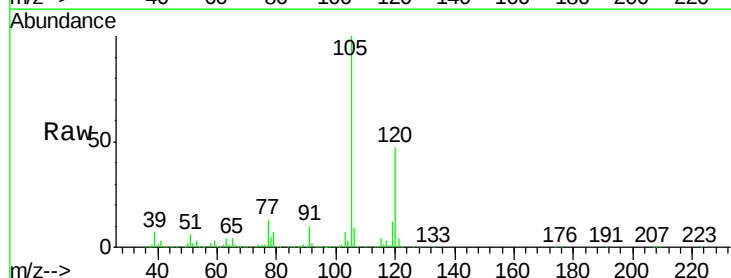
Acq: 06 Apr 2020 10:10

Tgt Ion: 105 Resp: 393350

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002089.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002089.D (-1809) (-)

300000

250000

200000

150000

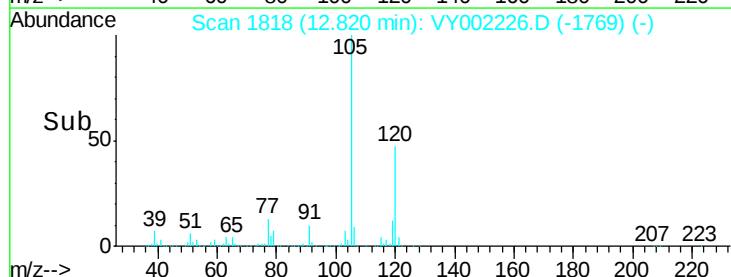
100000

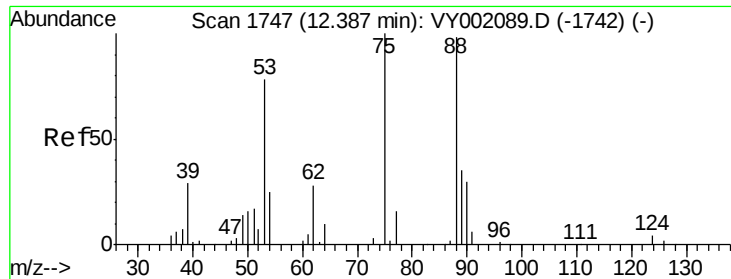
50000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.361 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

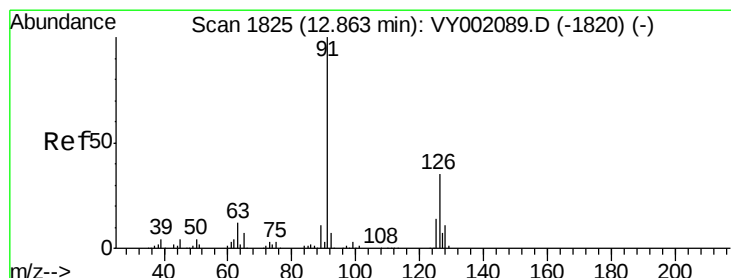
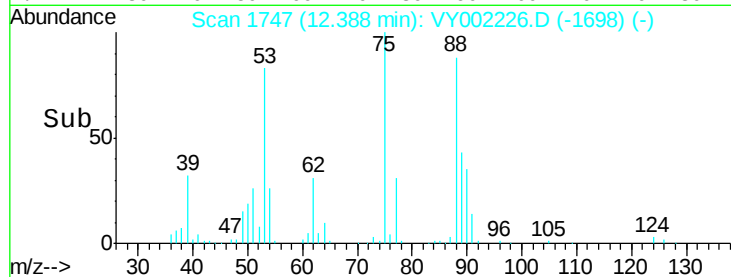
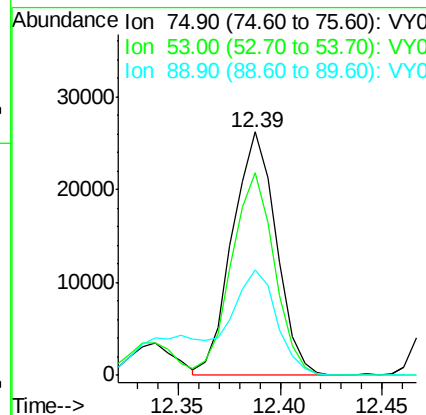
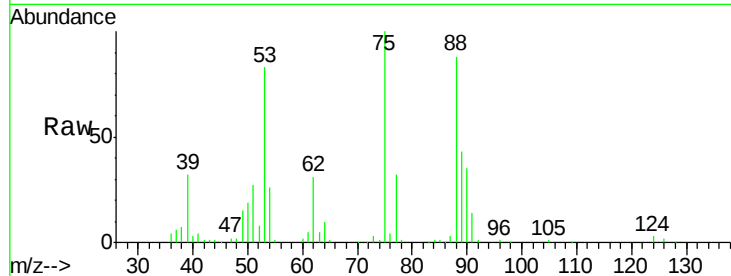
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	38781
Ion Ratio	Lower	Upper	
75	100		
53	81.9	65.0	97.4
89	45.5	33.4	50.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.012 ug/l

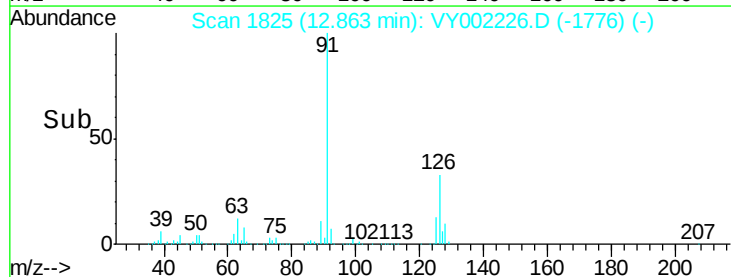
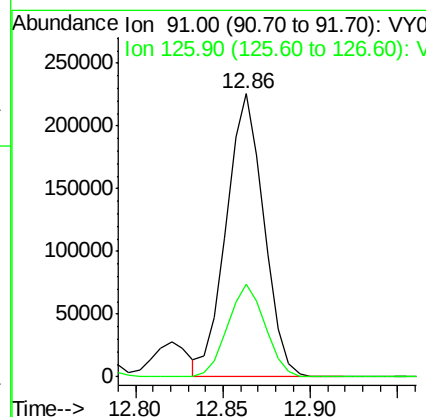
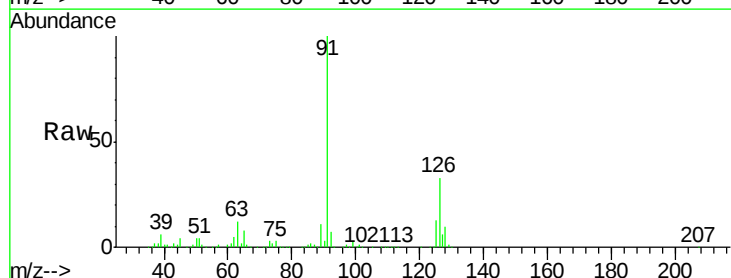
RT: 12.86 min Scan# 1825

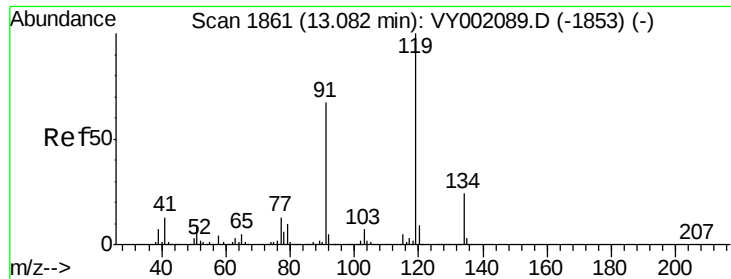
Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion:	91	Resp:	335708
Ion Ratio	Lower	Upper	
91	100		
126	32.9	16.3	48.9





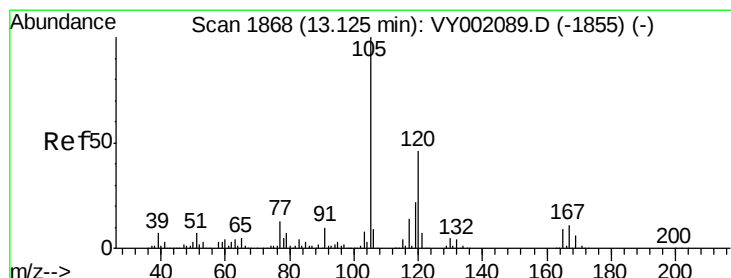
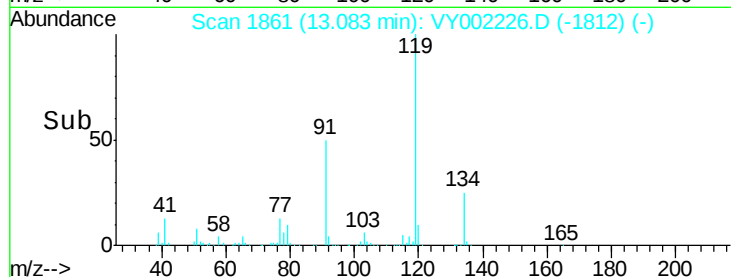
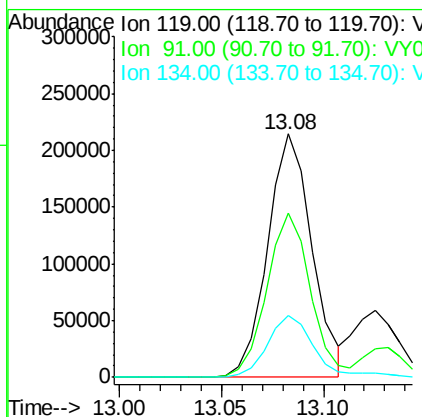
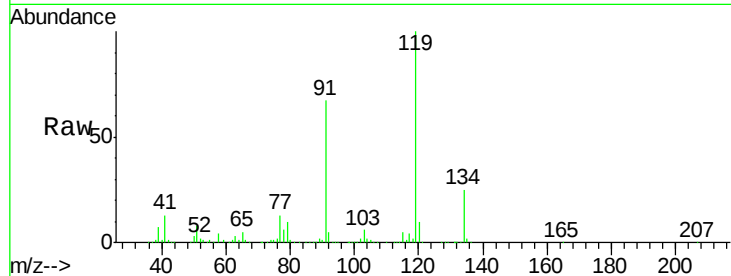
#83
tert-Butylbenzene
Concen: 51.464 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	324843		
91	66.6	32.9	98.6	
134	26.9	13.0	38.9	

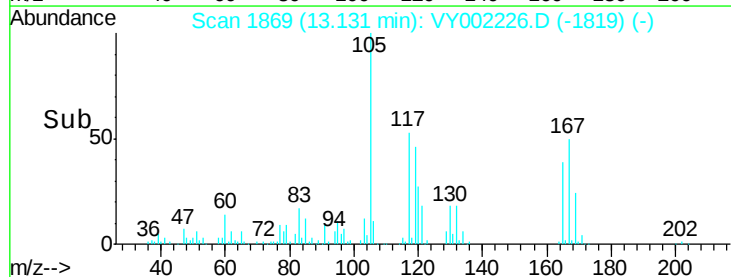
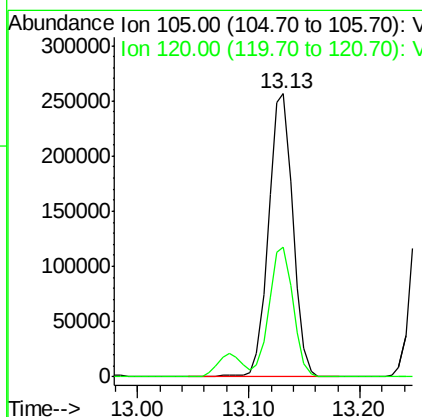
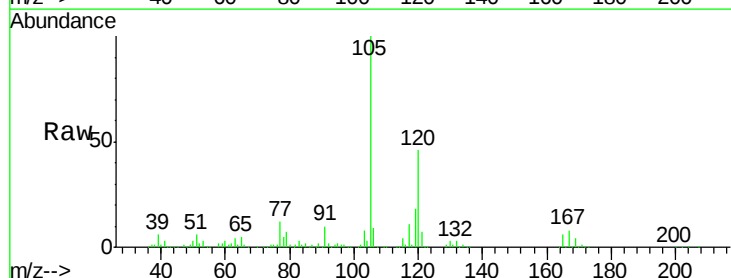
Manual Integrations
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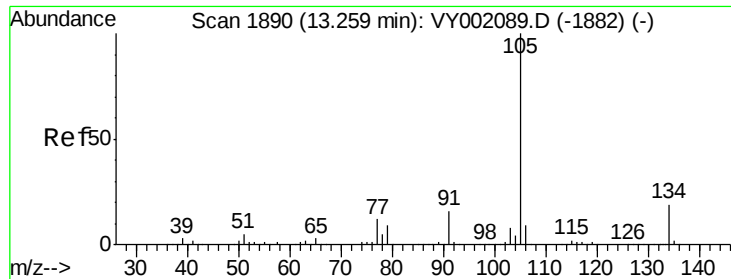
MMDadoda
4/7/2020 7:06:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.671 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	389847		
120	45.3	22.9	68.5	





#85

sec-Butylbenzene

Concen: 51.642 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 482814

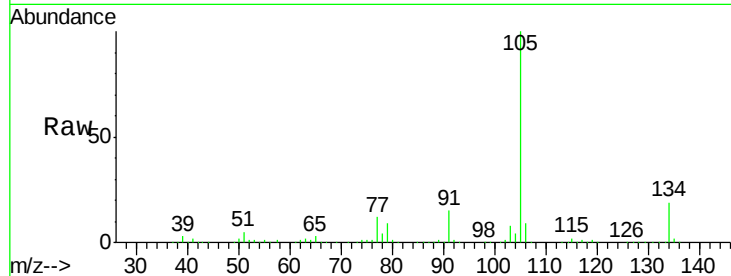
Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1

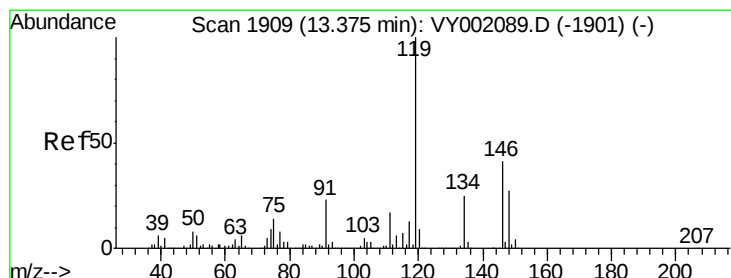
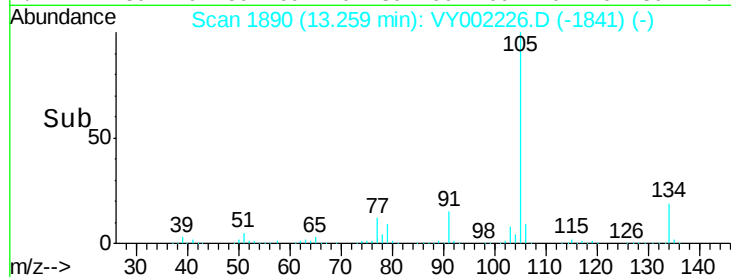
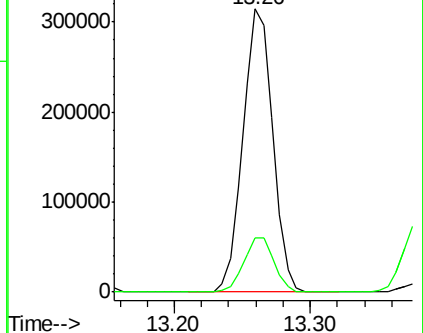
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.292 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

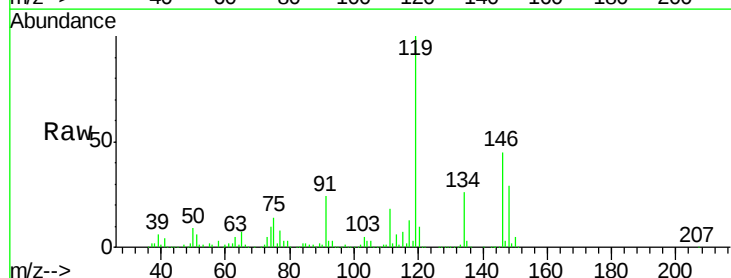
Tgt Ion:119 Resp: 419832

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

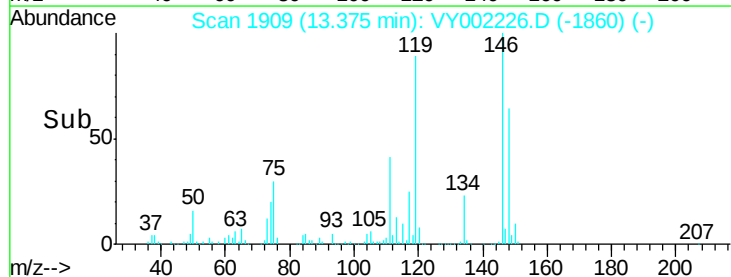
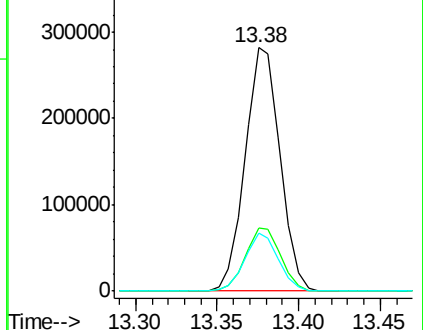
91 22.9 11.8 35.3

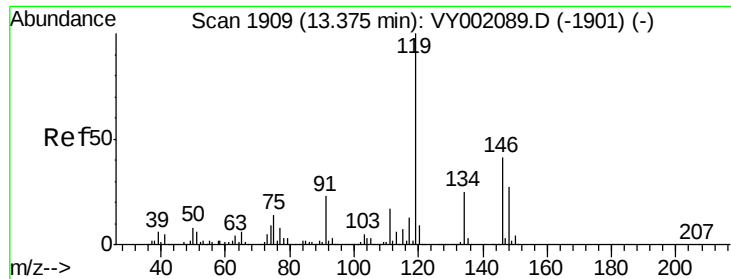


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





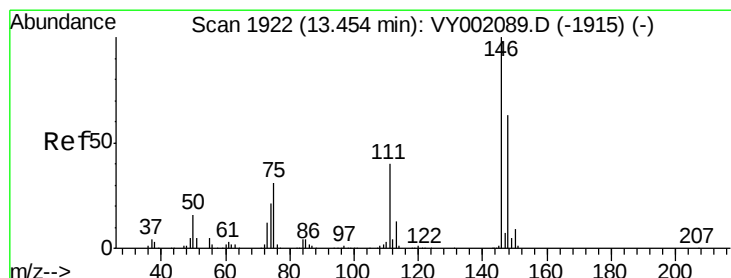
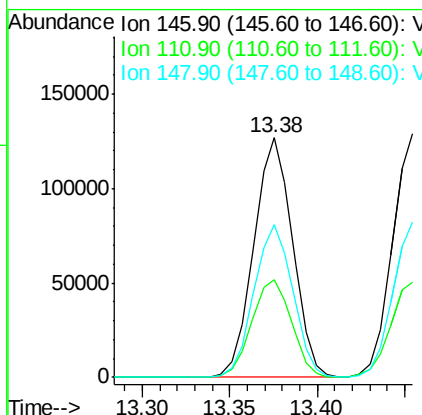
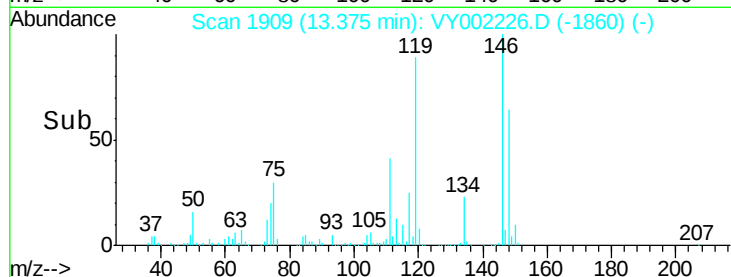
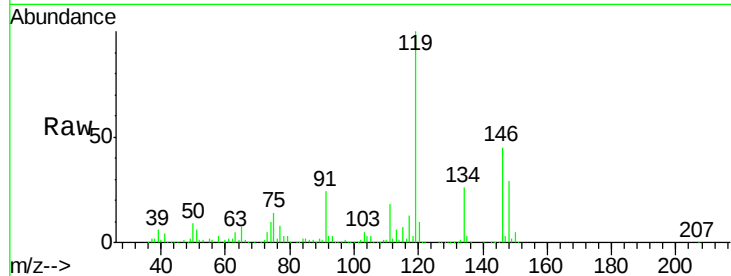
#87
 1,3-Dichlorobenzene
 Concen: 51.182 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195907		
111	41.7	20.9	62.8	
148	63.8	32.1	96.5	

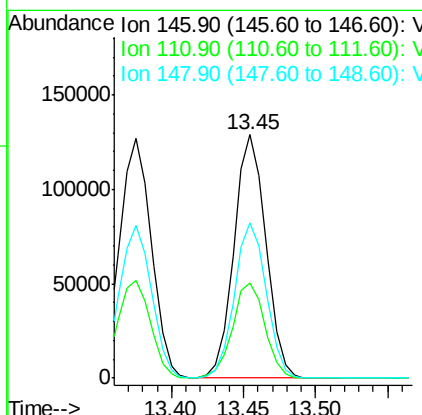
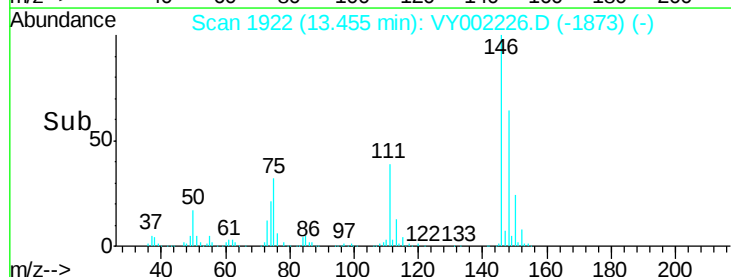
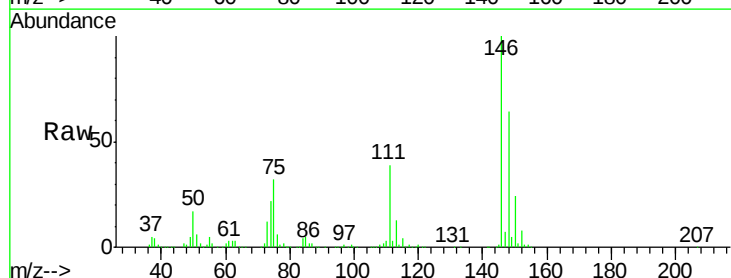
Manual Integrations
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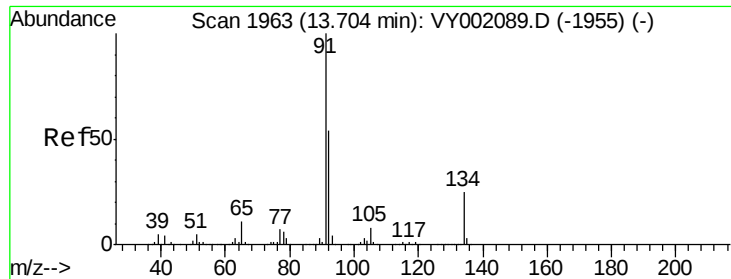
MMDadoda
 4/7/2020 7:06:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.622 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	198833		
111	39.8	20.3	60.9	
148	63.6	31.5	94.5	





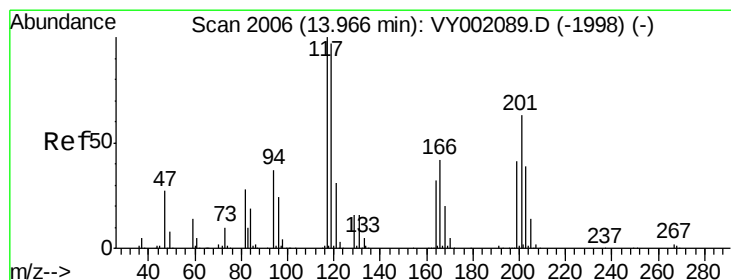
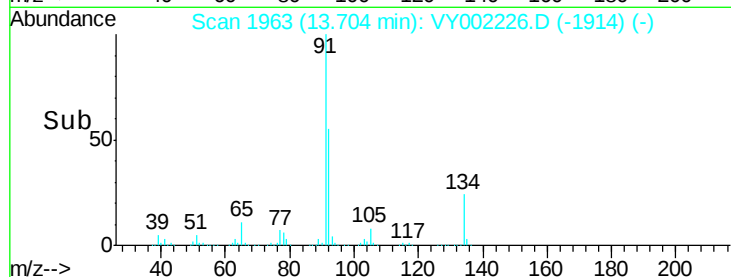
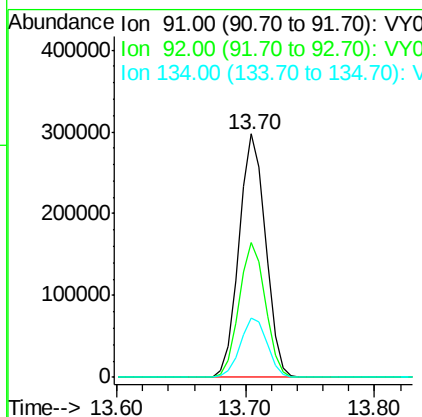
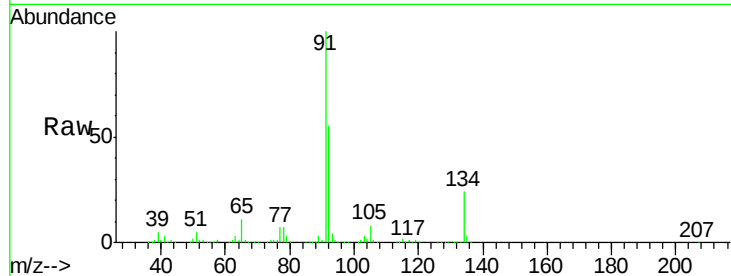
#89
n-Butylbenzene
Concen: 50.632 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.8	27.0	81.0	
134	24.7	12.3	36.8	

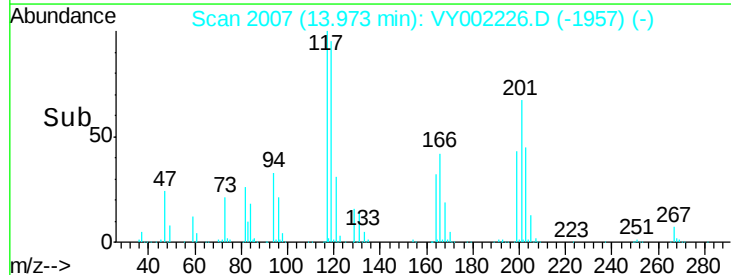
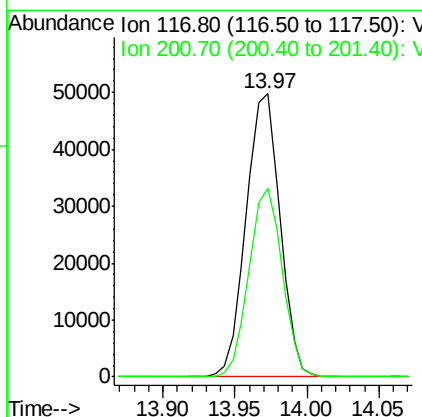
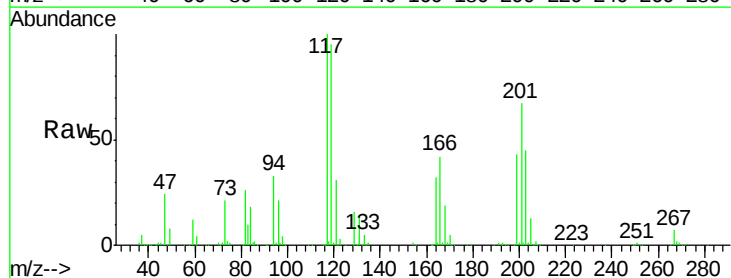
Manual Integrations
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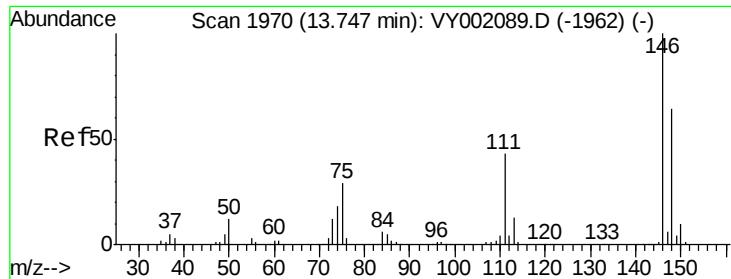
MMDadoda
4/7/2020 7:06:00 PM



#90
Hexachloroethane
Concen: 53.762 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002226.D
Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.3	31.6	94.8	





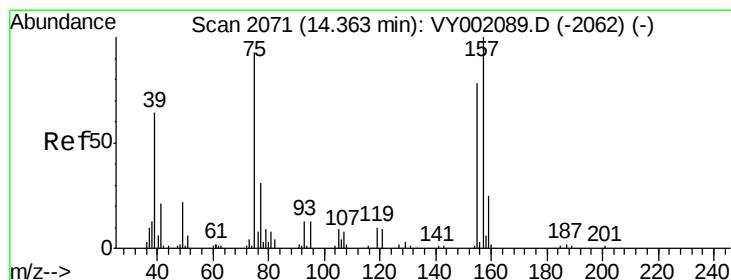
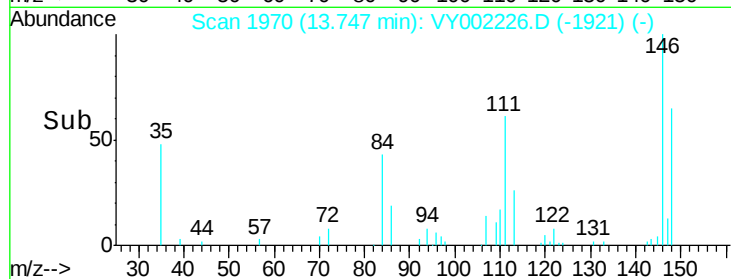
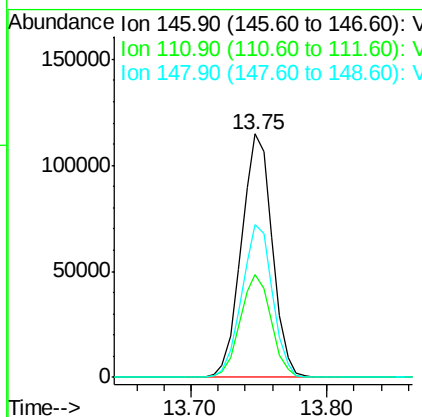
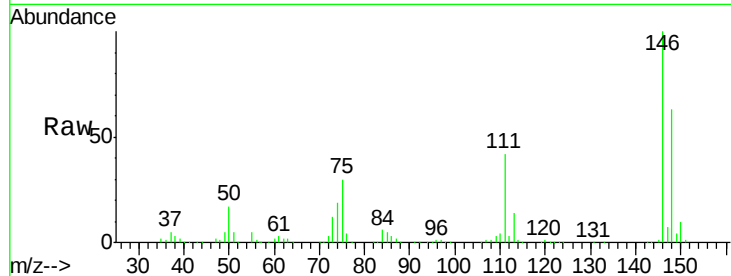
#91
 1,2-Dichlorobenzene
 Concen: 51.335 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	62.7	31.8	95.4

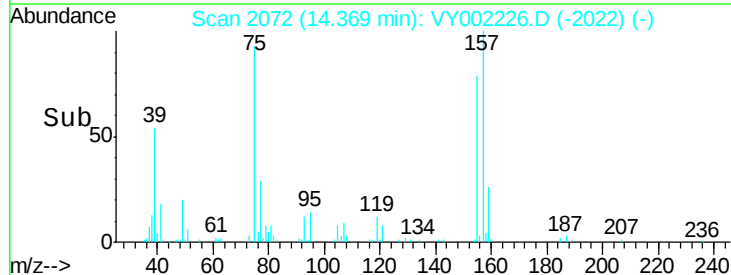
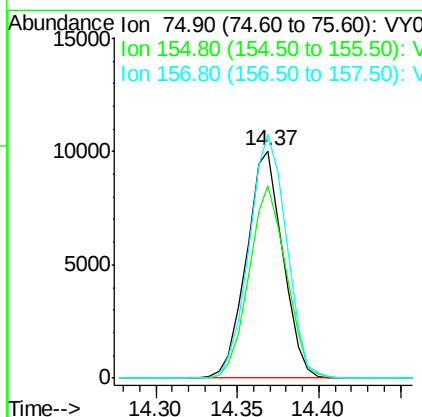
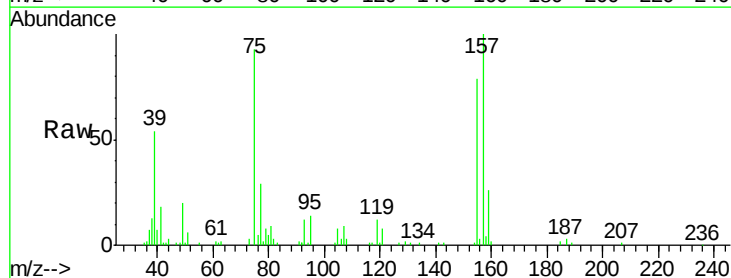
Manual Integrations
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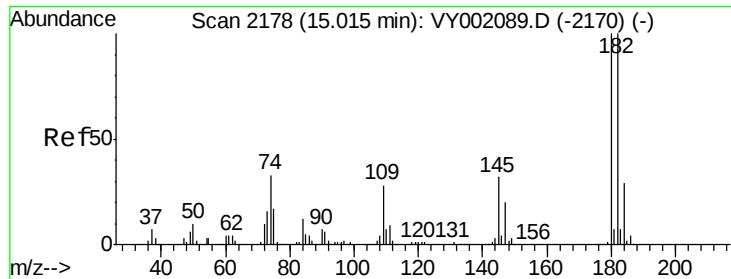
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.302 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	41.6	124.9
157	110.4	53.4	160.3





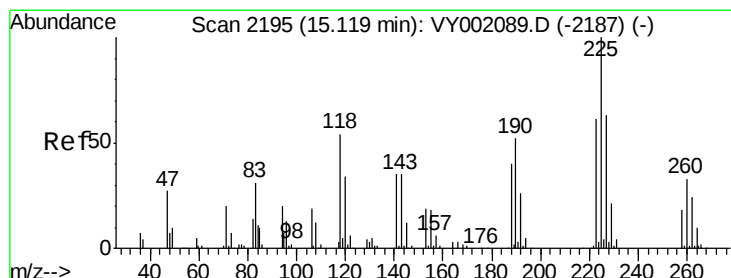
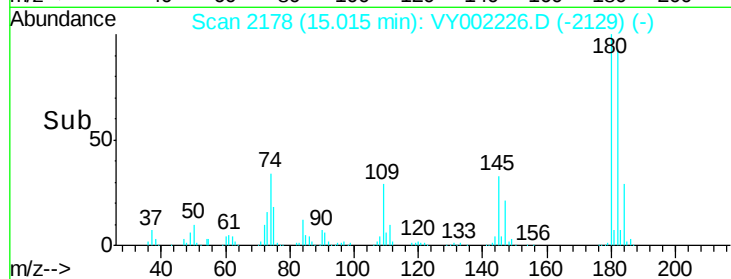
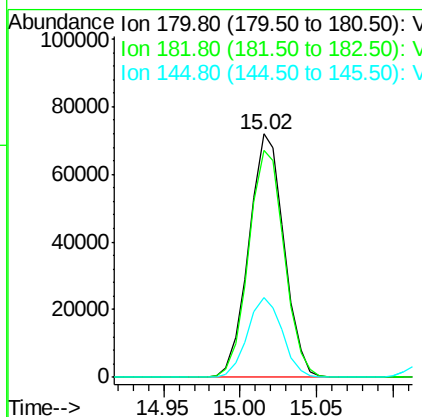
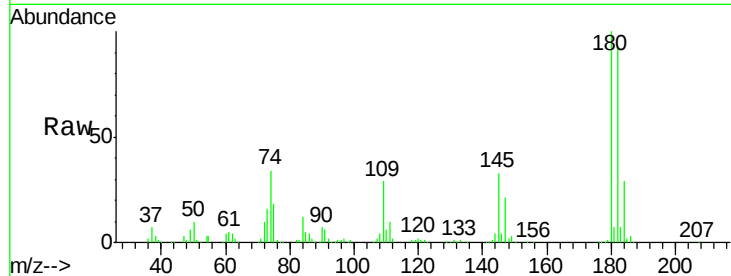
#93
 1,2,4-Trichlorobenzene
 Concen: 50.375 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114771		
182	94.7	48.1	144.3	
145	32.5	15.9	47.6	

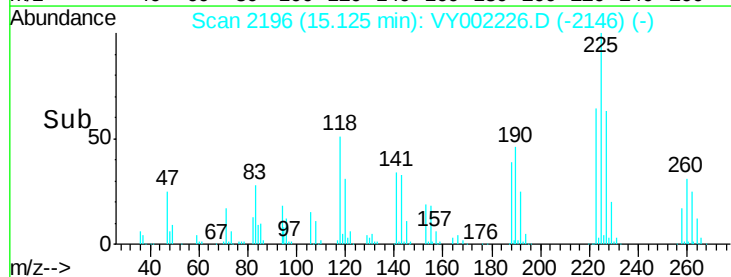
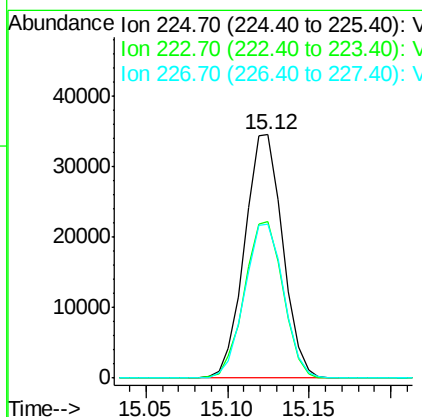
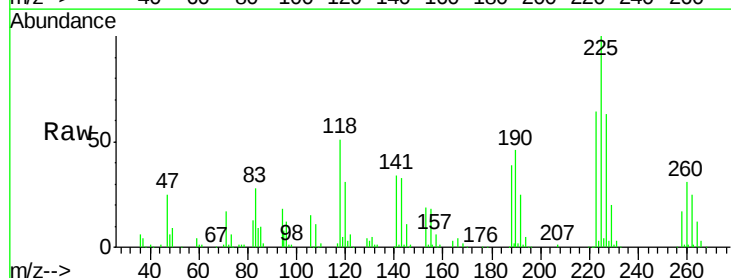
Manual Integrations
 APPROVED

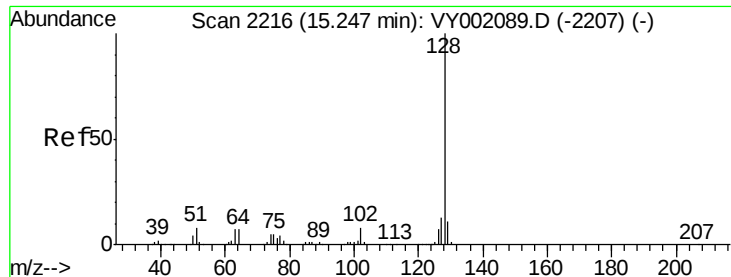
MMDadoda
 4/7/2020 7:06:00 PM



#94
 Hexachlorobutadiene
 Concen: 49.888 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002226.D
 Acq: 06 Apr 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56105		
223	65.0	31.1	93.3	
227	64.5	31.6	94.7	





#95

Naphthalene

Concen: 51.349 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Instrument :

MSVOA_Y

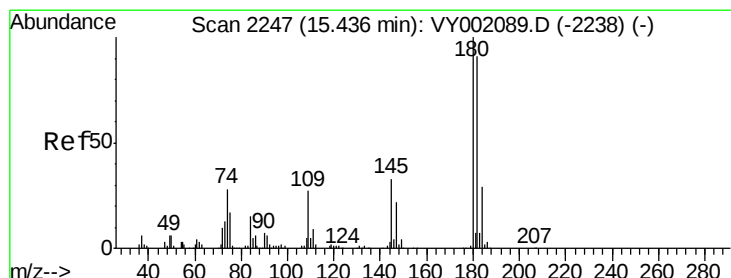
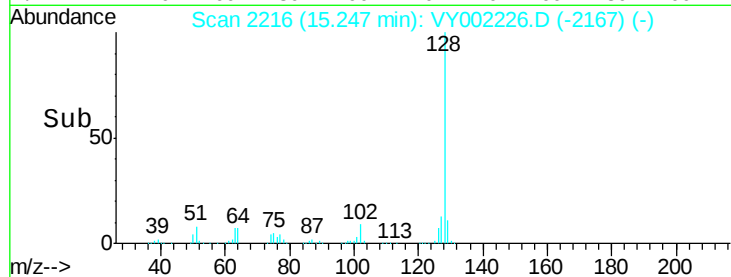
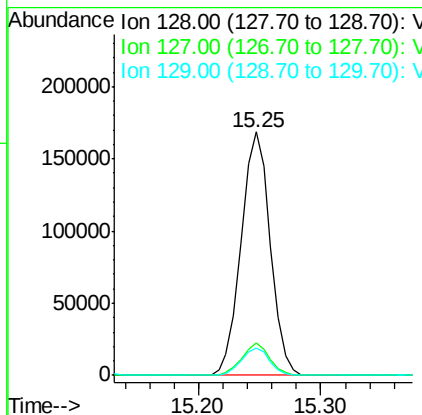
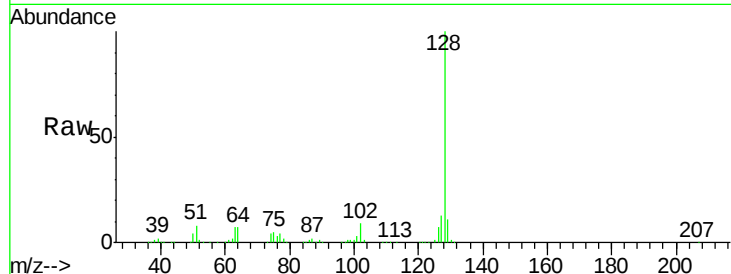
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	277867
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.8	14.8
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.353 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002226.D

Acq: 06 Apr 2020 10:10

Tgt Ion:	180	Resp:	101966
Ion Ratio	Lower	Upper	
180	100		
182	94.6	46.8	140.3
145	35.1	16.7	50.1

