

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003429.D
 Acq On : 03 Aug 2020 20:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/4/2020 1:51:15 PM

Quant Time: Aug 04 03:08:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	486655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	739791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	699245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	374836	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	246038	53.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.34%	
35) Dibromofluoromethane	7.72	113	227161	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
50) Toluene-d8	10.18	98	866562	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.48	95	301232	51.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	182340	45.757	ug/l	99
3) Chloromethane	2.12	50	204581	37.485	ug/l	97
4) Vinyl Chloride	2.25	62	258364	47.157	ug/l	95
5) Bromomethane	2.65	94	367974	90.919	ug/l	98
6) Chloroethane	2.79	64	168570	49.051	ug/l	97
7) Trichlorofluoromethane	3.13	101	365115	49.353	ug/l	100
8) Diethyl Ether	3.53	74	138433	53.736	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	219108	49.583	ug/l	100
10) Methyl Iodide	4.11	142	13916	2.713	ug/l	99
11) Tert butyl alcohol	4.96	59	126094	279.266	ug/l	99
12) 1,1-Dichloroethene	3.88	96	212743	49.628	ug/l	97
13) Acrolein	3.74	56	109058	223.937	ug/l	99
14) Allyl chloride	4.49	41	355449	49.506	ug/l	100
15) Acrylonitrile	5.17	53	354820	277.601	ug/l	100
16) Acetone	3.96	43	285434	249.664	ug/l	100
17) Carbon Disulfide	4.20	76	680096	48.666	ug/l	98
18) Methyl Acetate	4.48	43	165075	54.727	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	652700	55.079	ug/l	97
20) Methylene Chloride	4.72	84	272451	47.042	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	245616	50.683	ug/l	97
22) Diisopropyl ether	6.13	45	801600	53.139	ug/l	100
23) Vinyl Acetate	6.07	43	2705451	273.765	ug/l	98
24) 1,1-Dichloroethane	6.02	63	438233	51.841	ug/l	99
25) 2-Butanone	6.99	43	472818	271.383	ug/l	100
26) 2,2-Dichloropropane	6.99	77	357358	47.376	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	282378	53.028	ug/l	98
28) Bromochloromethane	7.34	49	170447	51.834	ug/l	98
29) Tetrahydrofuran	7.35	42	314530	276.699	ug/l	97
30) Chloroform	7.51	83	447442	53.364	ug/l	100
31) Cyclohexane	7.78	56	382746	46.664	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	390839	51.089	ug/l	99
36) 1,1-Dichloropropene	7.93	75	339546	48.502	ug/l	100
37) Ethyl Acetate	7.08	43	212475	53.376	ug/l	99
38) Carbon Tetrachloride	7.91	117	351933	48.854	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	416256	48.731	ug/l	98
40) Benzene	8.16	78	979154	50.409	ug/l	100
41) Methacrylonitrile	7.33	41	126765m	55.548	ug/l	
42) 1,2-Dichloroethane	8.24	62	311052	52.579	ug/l	100
43) Isopropyl Acetate	8.27	43	403030	53.641	ug/l	99
44) Trichloroethene	8.94	130	281479	50.386	ug/l	98
45) 1,2-Dichloropropane	9.22	63	260197	51.152	ug/l	99
46) Dibromomethane	9.31	93	152603	53.471	ug/l	99
47) Bromodichloromethane	9.50	83	361341	52.542	ug/l	98
48) Methyl methacrylate	9.29	41	183236	54.029	ug/l	98
49) 1,4-Dioxane	9.30	88	41494	1123.343	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	1068804	271.448	ug/l	99
52) Toluene	10.24	92	618164	50.743	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	385272	52.783	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	433448	52.400	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	215748	53.895	ug/l	98
56) Ethyl methacrylate	10.51	69	309128	55.780	ug/l	98
57) 1,3-Dichloropropane	10.79	76	370966	53.322	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	639863	249.269	ug/l	99
59) 2-Hexanone	10.83	43	747887	272.550	ug/l	99
60) Dibromochloromethane	10.99	129	273528	54.409	ug/l	99
61) 1,2-Dibromoethane	11.09	107	210904	54.382	ug/l	99
64) Tetrachloroethene	10.72	164	288671	49.382	ug/l	99
65) Chlorobenzene	11.52	112	691931	50.427	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	273694	51.281	ug/l	99
67) Ethyl Benzene	11.59	91	1222207	49.399	ug/l	98
68) m/p-Xylenes	11.70	106	924105	99.074	ug/l	100
69) o-Xylene	12.03	106	440500	50.450	ug/l	98
70) Styrene	12.04	104	771381	51.631	ug/l	99
71) Bromoform	12.20	173	182453	52.606	ug/l #	98
73) Isopropylbenzene	12.33	105	1192620	49.229	ug/l	99
74) N-amyl acetate	12.14	43	377613	52.886	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	253250	52.776	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	175723m	52.185	ug/l	
77) Bromobenzene	12.61	156	307855	50.014	ug/l	98
78) n-propylbenzene	12.67	91	1425707	49.172	ug/l	100
79) 2-Chlorotoluene	12.75	91	797293	49.560	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1016959	49.999	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	93674	52.611	ug/l	97
82) 4-Chlorotoluene	12.85	91	828898	49.584	ug/l	100
83) tert-Butylbenzene	13.07	119	872748	49.424	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1027669	50.269	ug/l	99
85) sec-Butylbenzene	13.25	105	1227110	49.958	ug/l	100
86) p-Isopropyltoluene	13.37	119	1147001	49.927	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	590144	50.192	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	578639	49.915	ug/l	100
89) n-Butylbenzene	13.69	91	1076276	49.573	ug/l	99
90) Hexachloroethane	13.96	117	223735	50.838	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	530866	51.148	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	40683	52.624	ug/l	98

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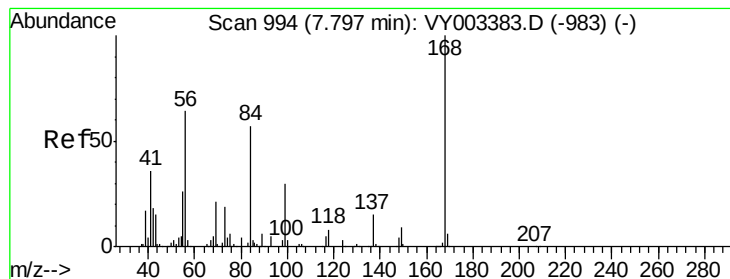
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	375954	51.115	ug/l	99
94) Hexachlorobutadiene	15.11	225	239333	49.135	ug/l	99
95) Naphthalene	15.23	128	669275	53.718	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	309565	52.023	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 486655

Ion Ratio Lower Upper

168 100

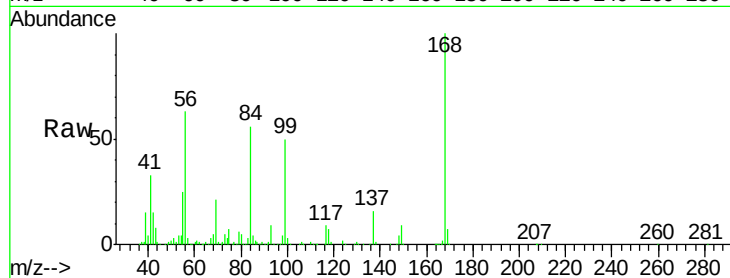
99 50.0 38.8 58.2

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Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003383.D (-983) (-)

7.80

200000

150000

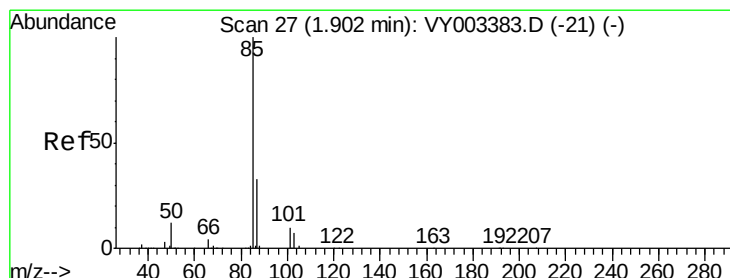
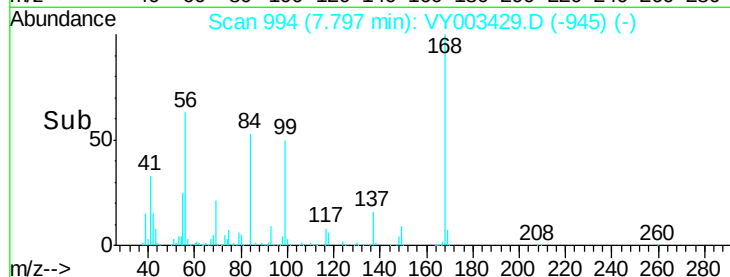
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.757 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY003429.D

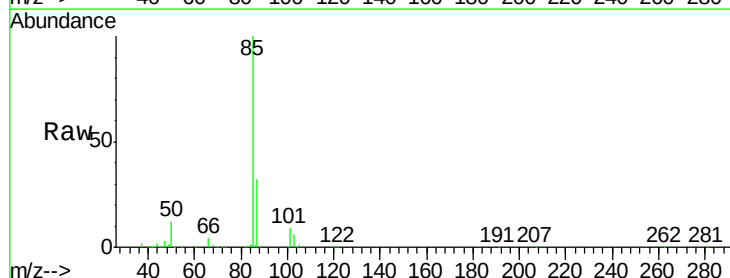
Acq: 03 Aug 2020 20:02

Tgt Ion: 85 Resp: 182340

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VY003383.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003383.D (-21) (-)

1.90

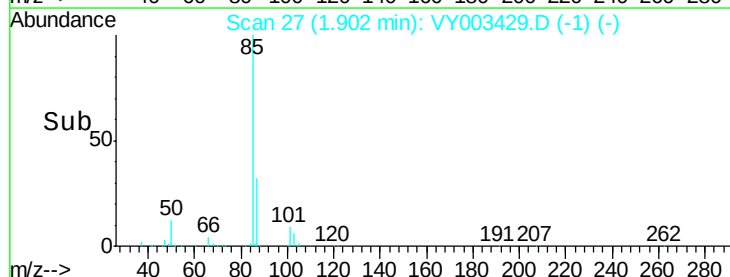
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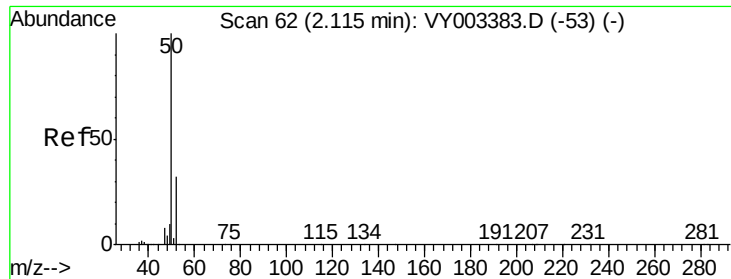
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 37.485 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 204581

Ion Ratio Lower Upper

50 100

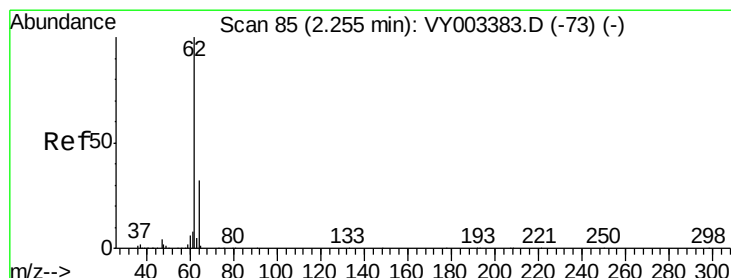
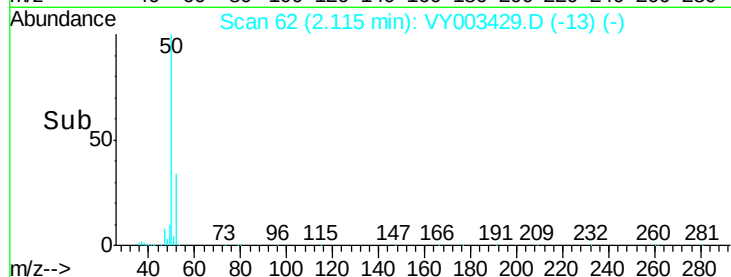
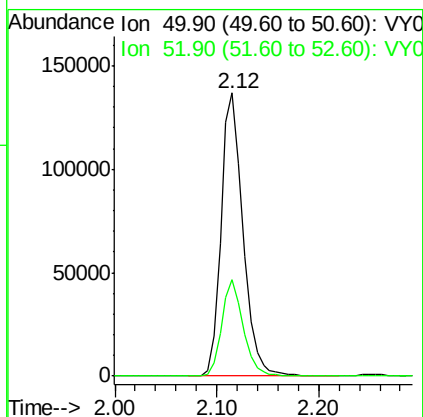
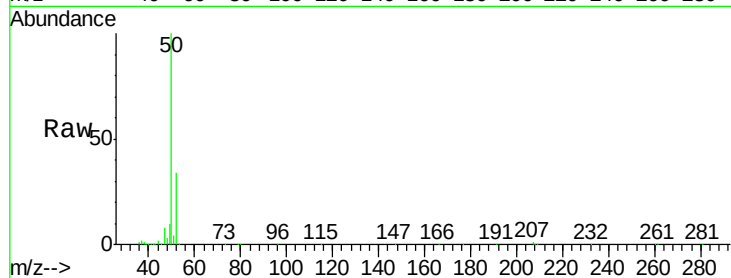
52 33.9 25.9 38.9

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#4

Vinyl Chloride

Concen: 47.157 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY003429.D

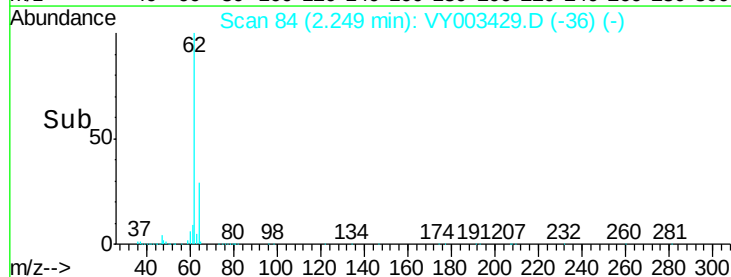
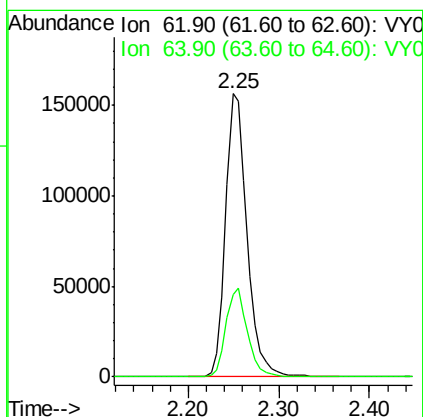
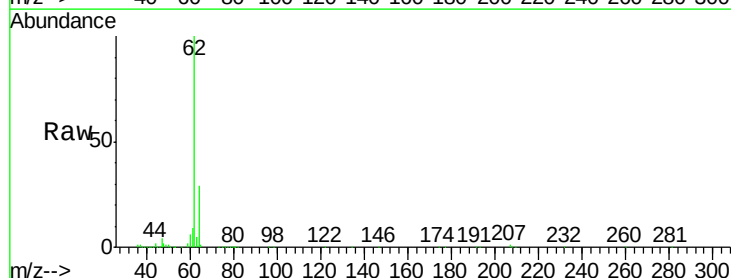
Acq: 03 Aug 2020 20:02

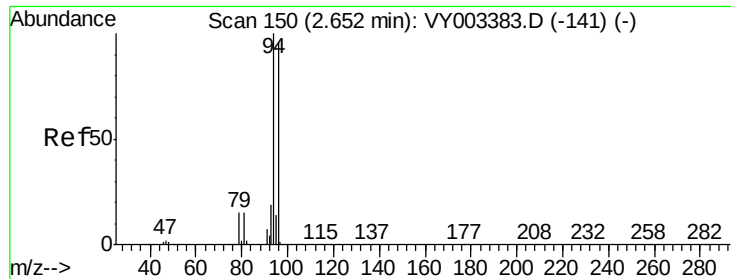
Tgt Ion: 62 Resp: 258364

Ion Ratio Lower Upper

62 100

64 29.2 25.7 38.5





#5

Bromomethane

Concen: 90.919 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 367974

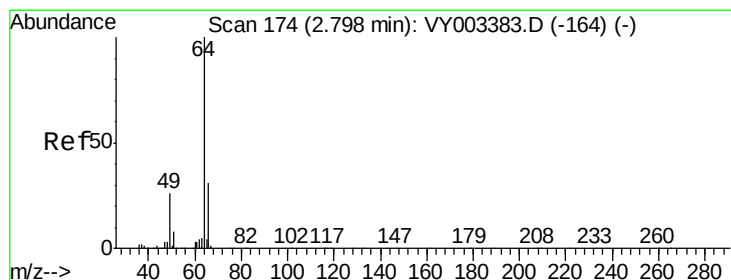
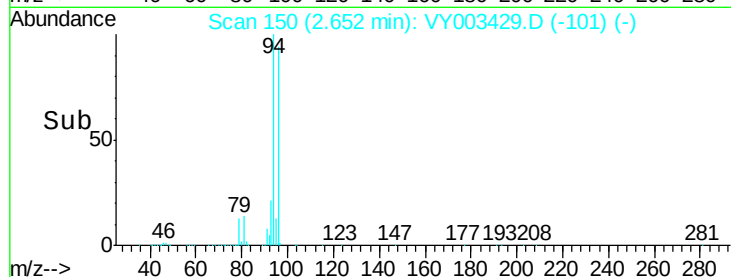
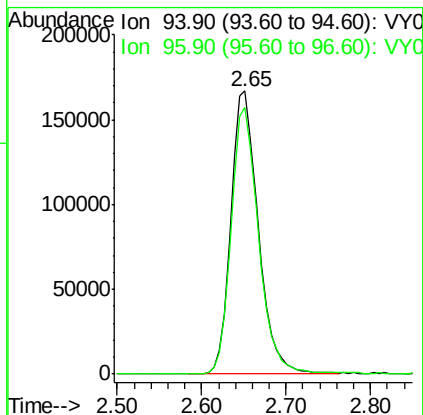
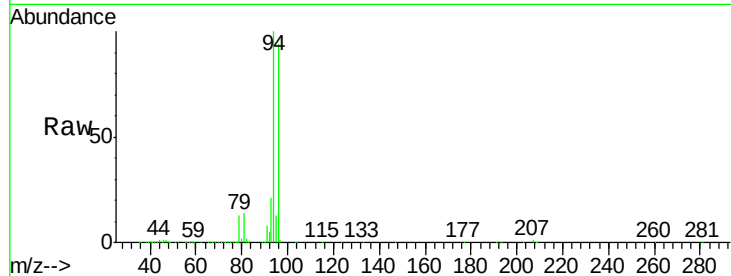
Ion Ratio Lower Upper

94 100

96 94.1 76.6 115.0

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#6

Chloroethane

Concen: 49.051 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003429.D

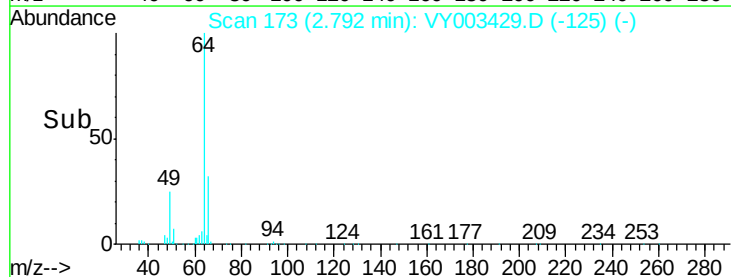
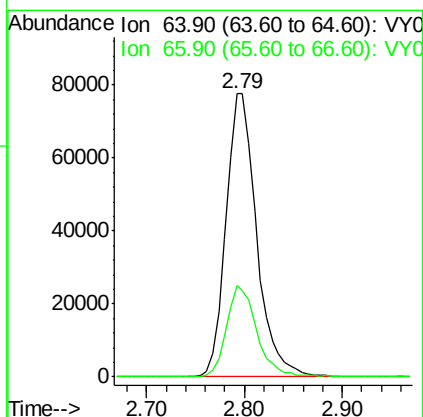
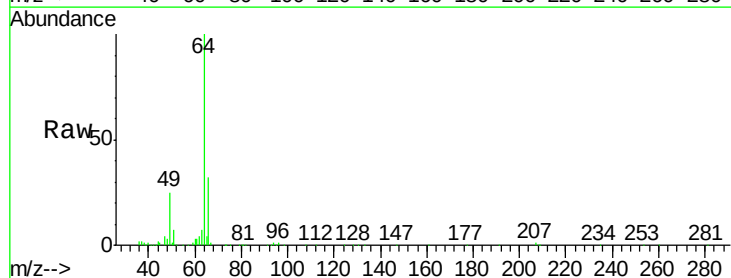
Acq: 03 Aug 2020 20:02

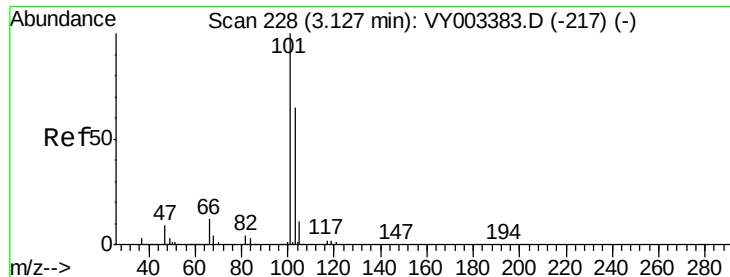
Tgt Ion: 64 Resp: 168570

Ion Ratio Lower Upper

64 100

66 32.5 24.7 37.1





#7

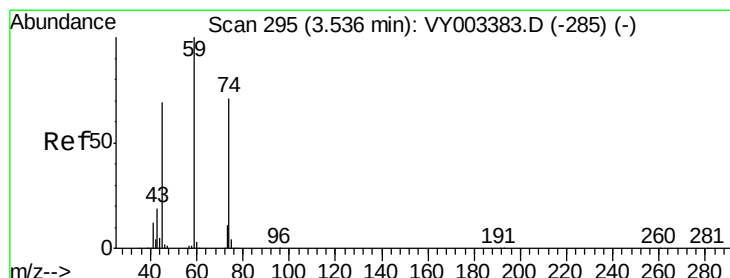
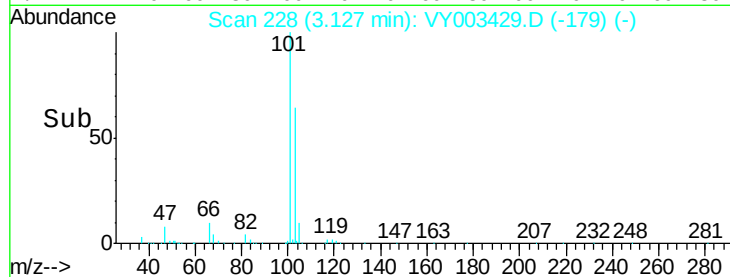
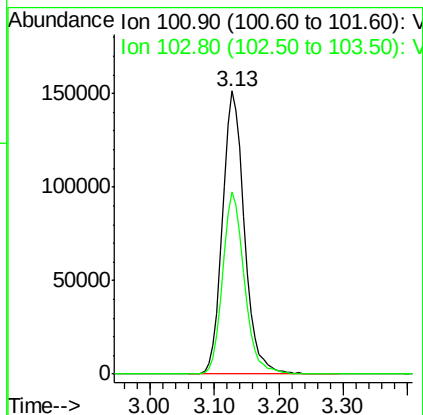
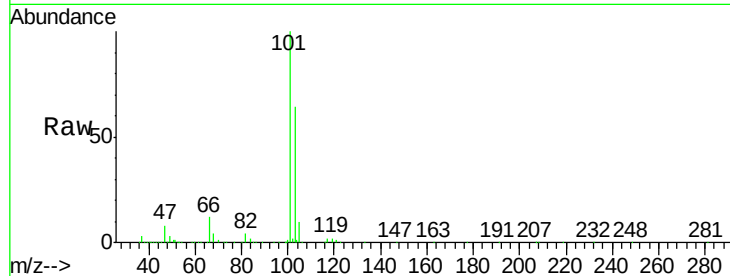
Trichlorofluoromethane
Concen: 49.353 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	365115		
103	64.3	51.8	77.6	

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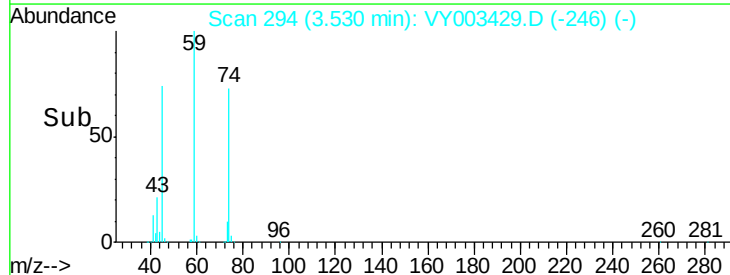
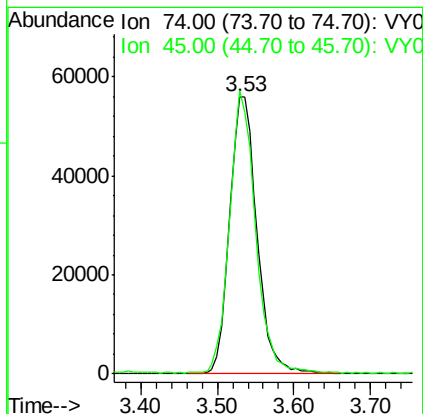
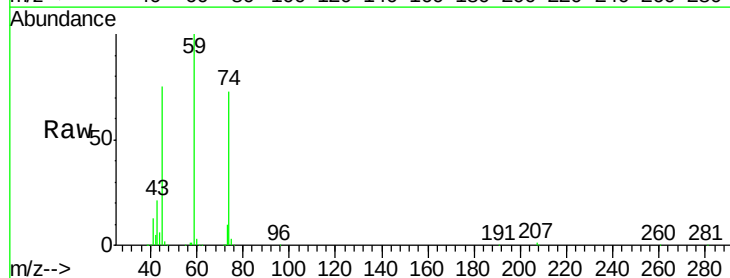
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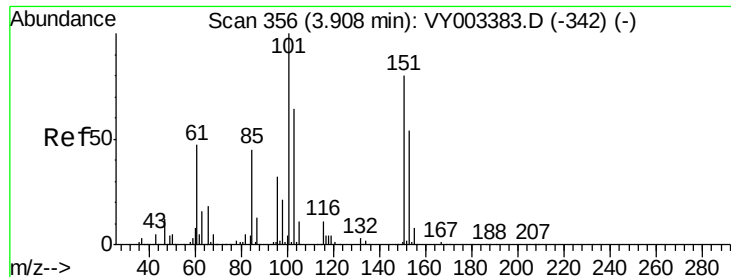


#8

Diethyl Ether
Concen: 53.736 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	138433		
45	96.9	48.7	146.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.583 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

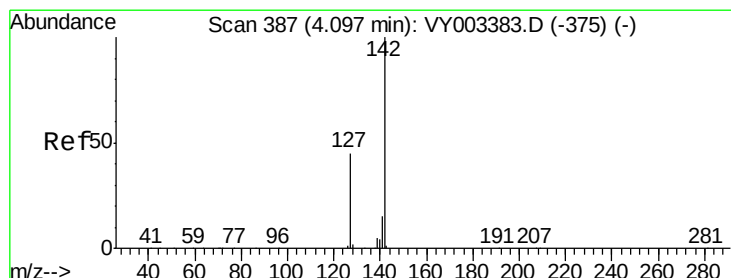
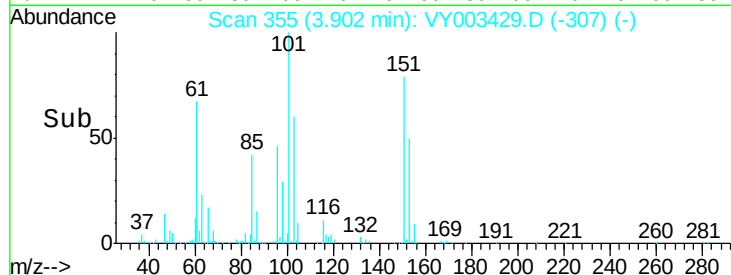
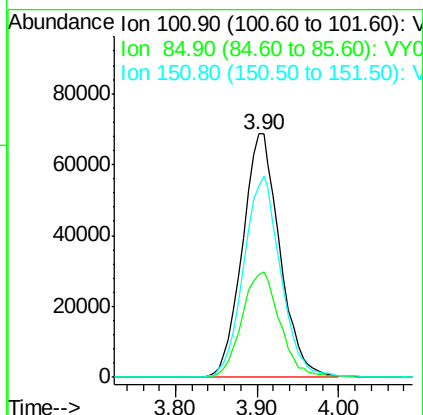
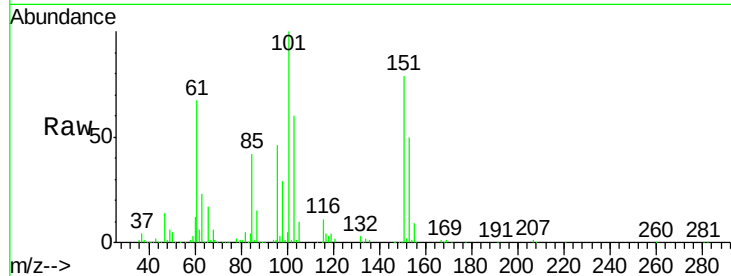
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	219108
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.7	53.5
151	82.2	65.7	98.5

Manual Integrations
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#10

Methyl Iodide

Concen: 2.713 ug/l

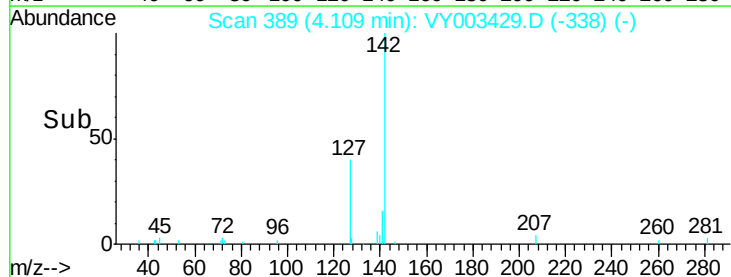
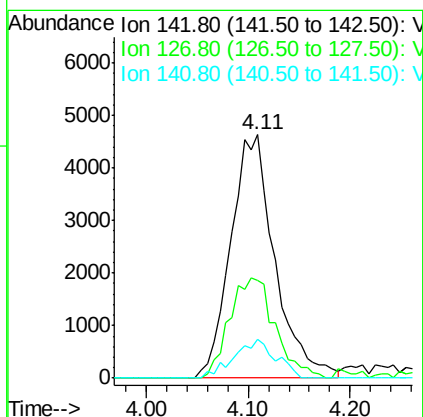
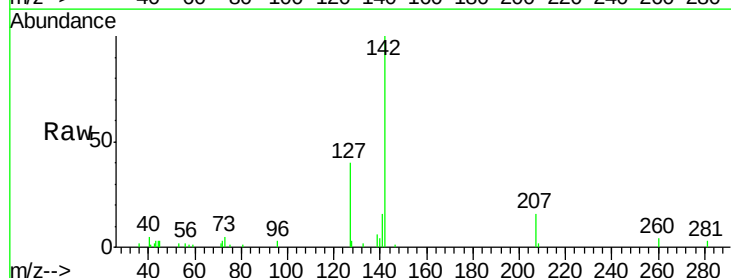
RT: 4.11 min Scan# 389

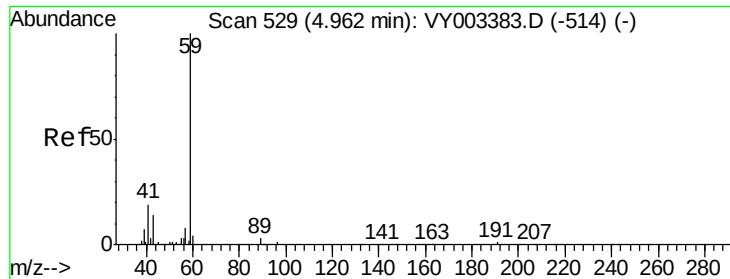
Delta R.T. 0.01 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Tgt Ion:	142	Resp:	13916
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.6	52.0
141	14.9	11.4	17.0





#11

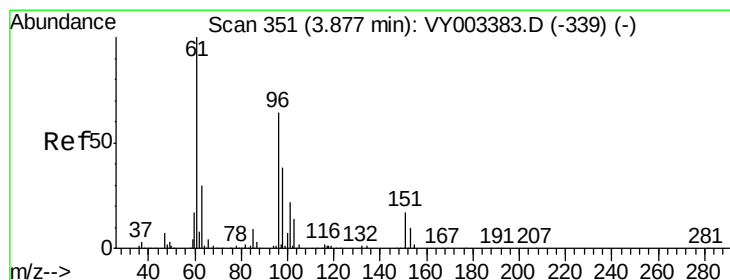
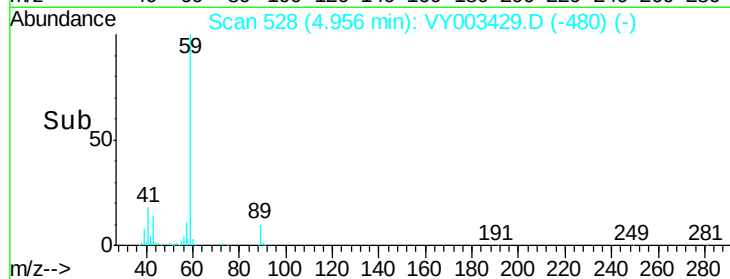
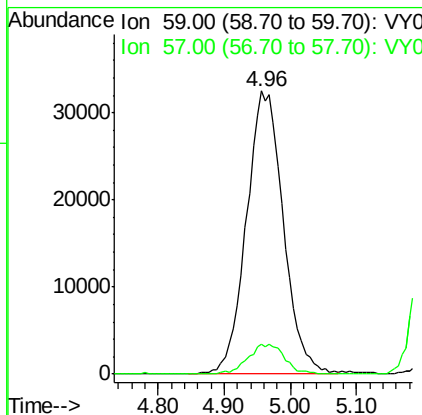
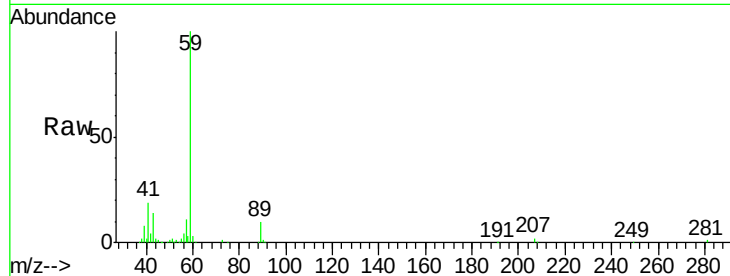
Tert butyl alcohol
 Concen: 279.266 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.0	12.0

Manual Integrations
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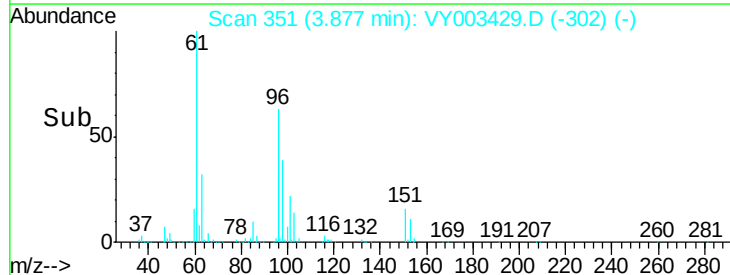
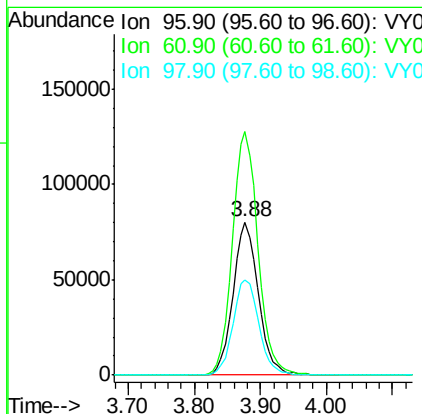
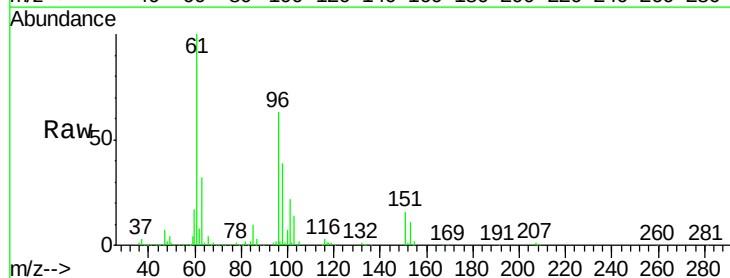
MMDadoda
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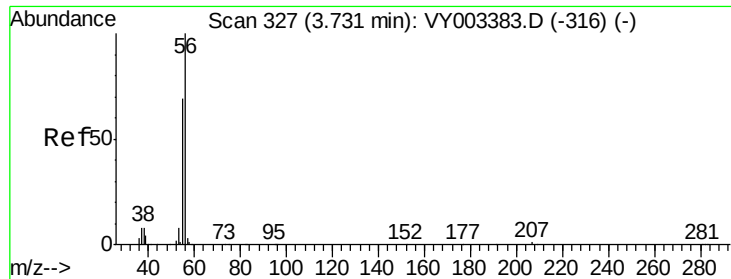


#12

1,1-Dichloroethene
 Concen: 49.628 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	124.7	187.1
98	62.4	47.4	71.2





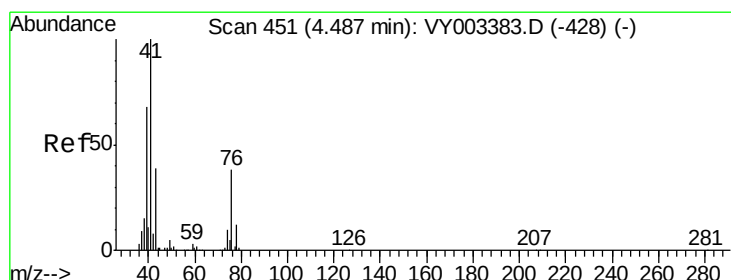
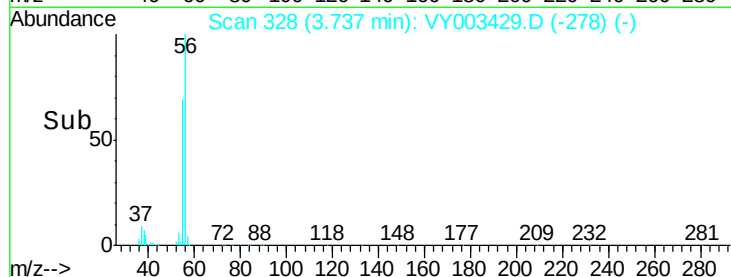
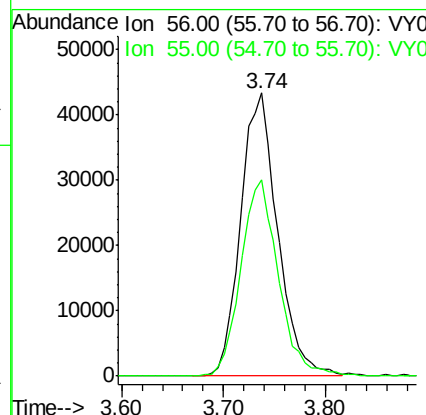
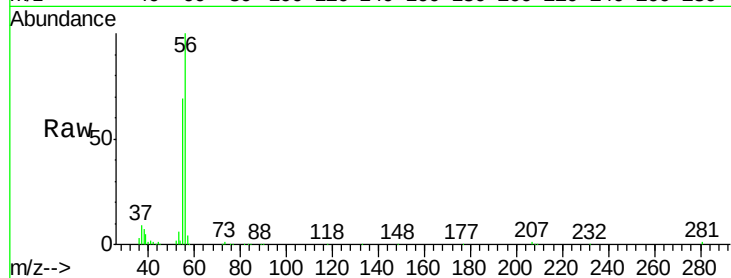
#13
Acrolein
Concen: 223.937 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.01 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.5	83.3

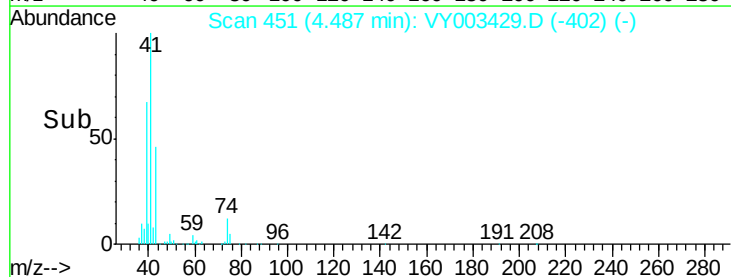
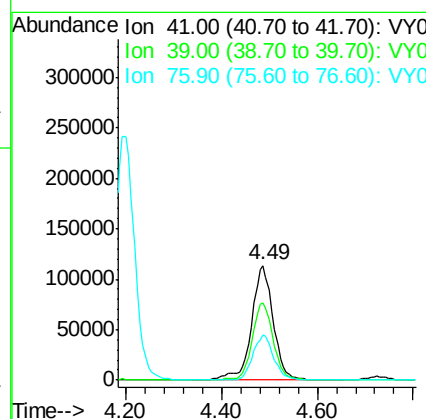
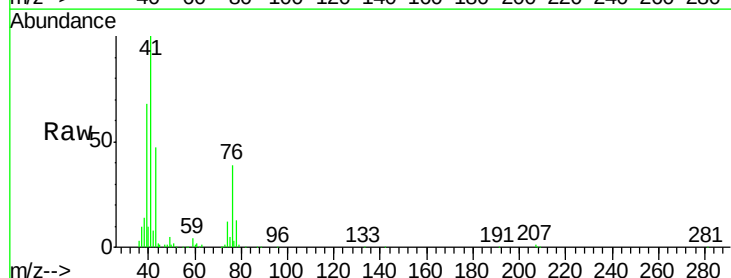
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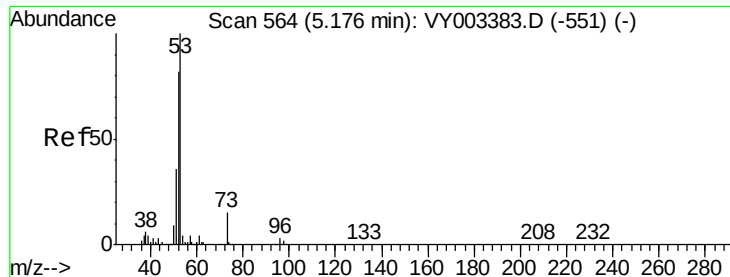
MMDadoda
8/4/2020 1:51:15 PM



#14
Allyl chloride
Concen: 49.506 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.8	52.7	79.1
76	37.2	29.8	44.6





#15

Acrylonitrile

Concen: 277.601 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

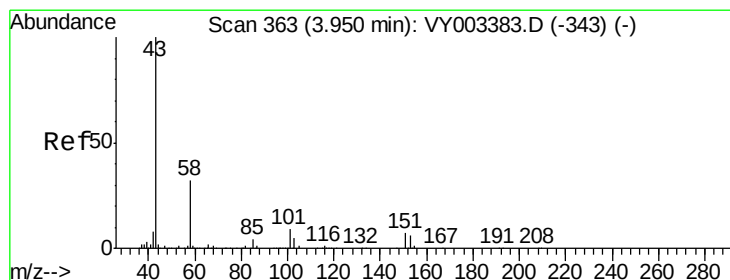
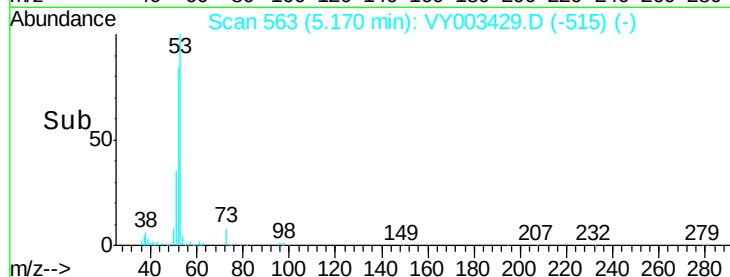
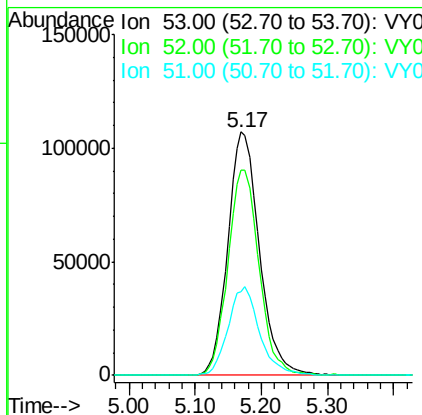
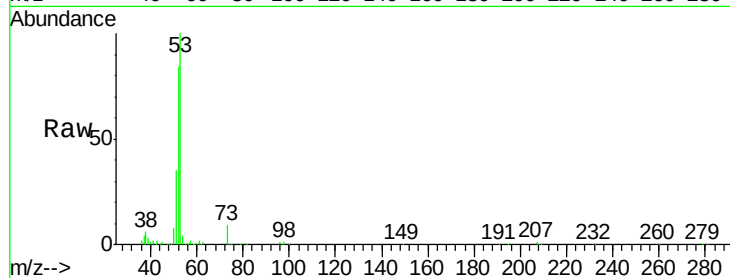
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	354820
Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.0	100.6
51	36.5	29.3	43.9

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 249.664 ug/l

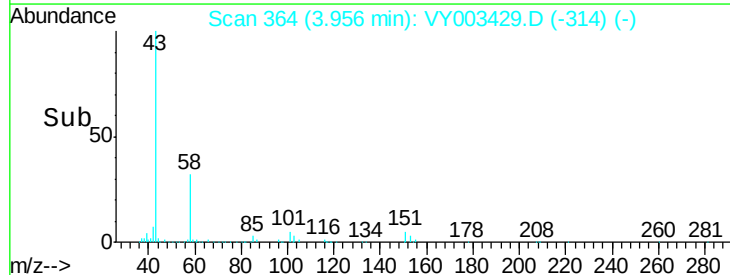
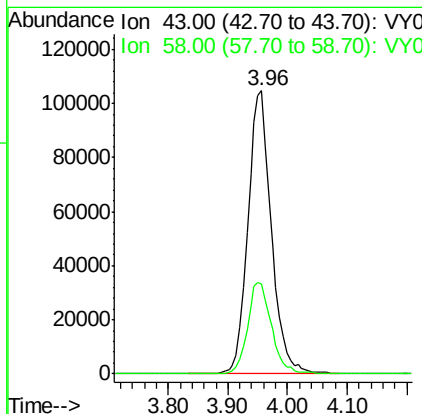
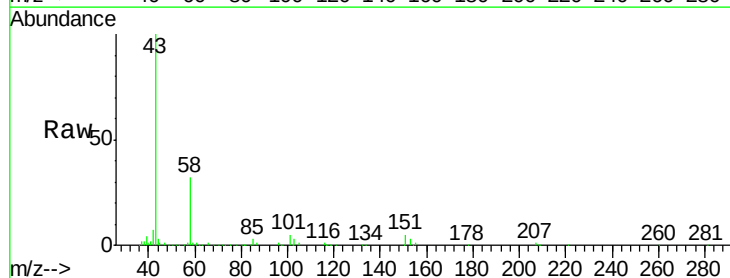
RT: 3.96 min Scan# 364

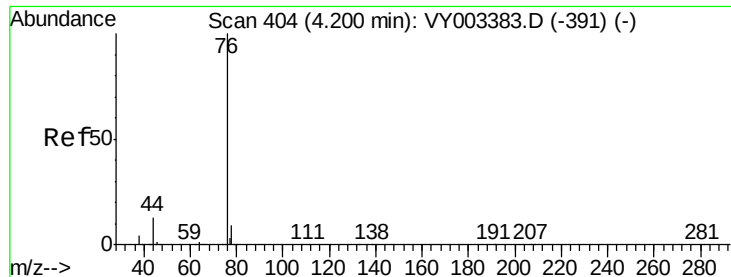
Delta R.T. 0.01 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Tgt Ion:	43	Resp:	285434
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.4	38.2





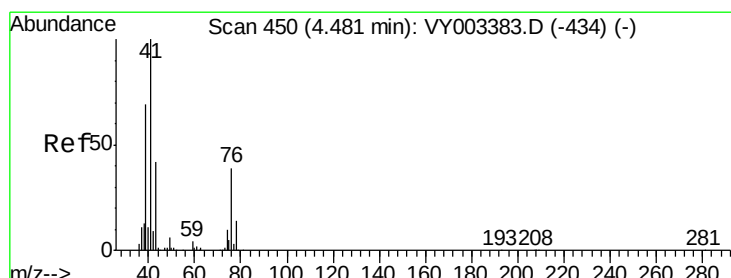
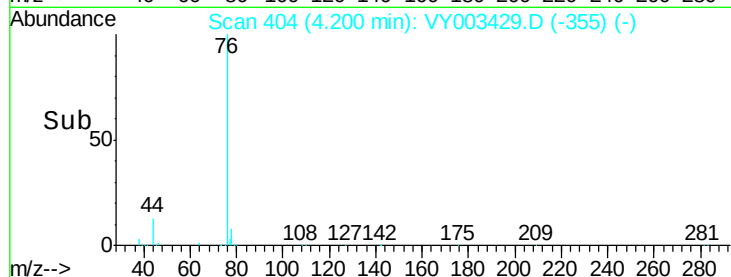
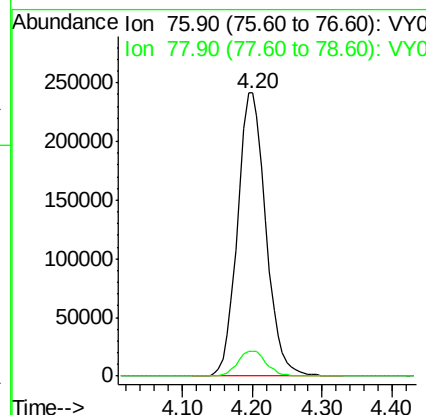
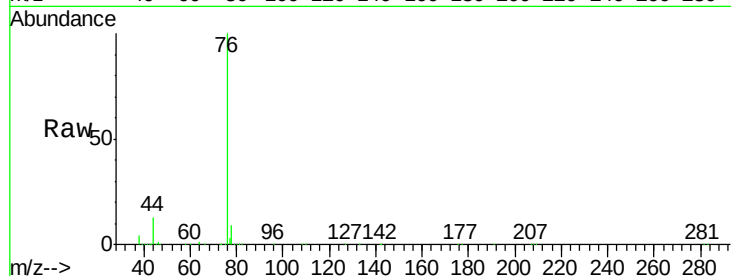
#17
Carbon Disulfide
Concen: 48.666 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3

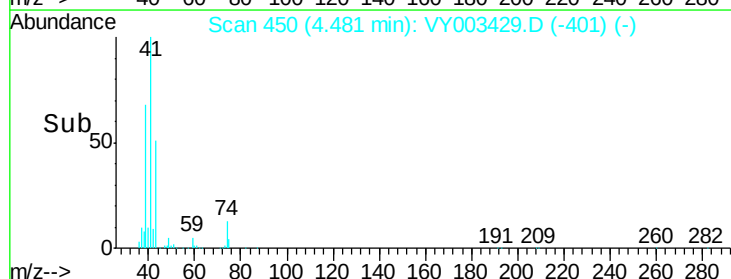
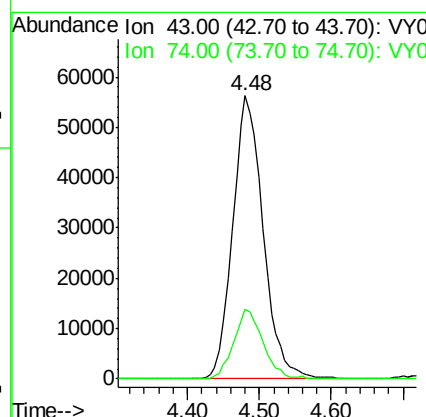
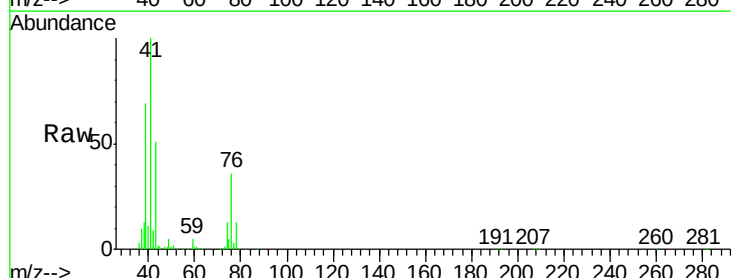
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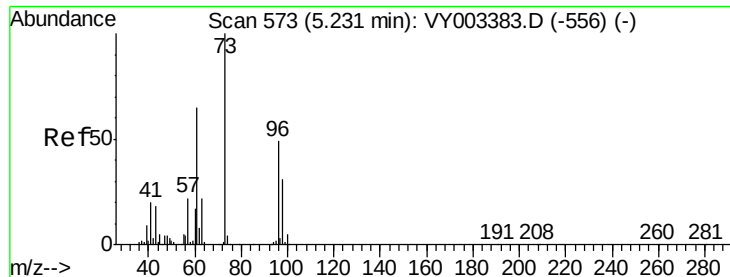
MMDadoda
8/4/2020 1:51:15 PM



#18
Methyl Acetate
Concen: 54.727 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





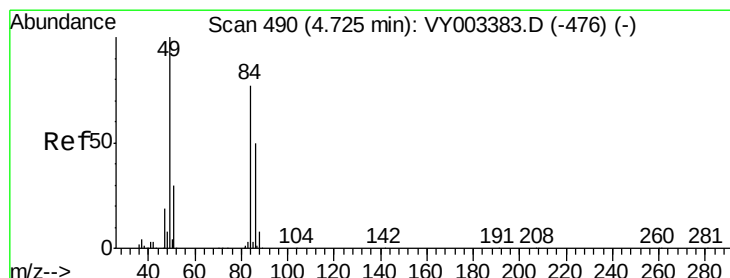
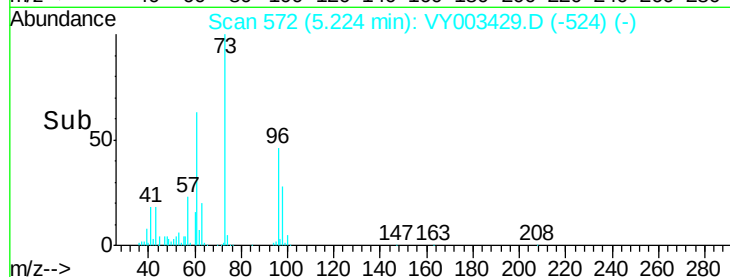
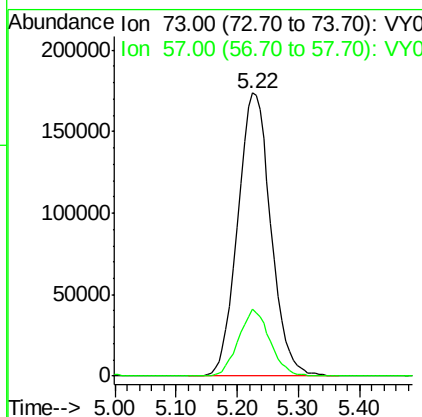
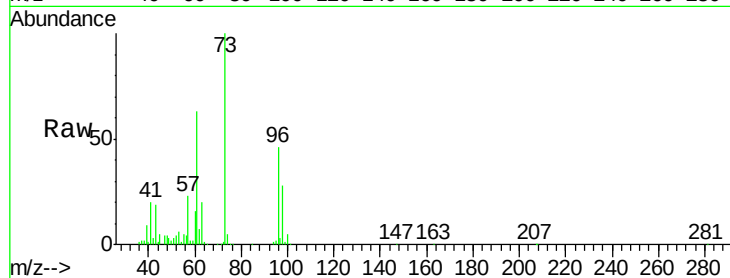
#19
Methyl tert-butyl Ether
Concen: 55.079 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.8	26.8

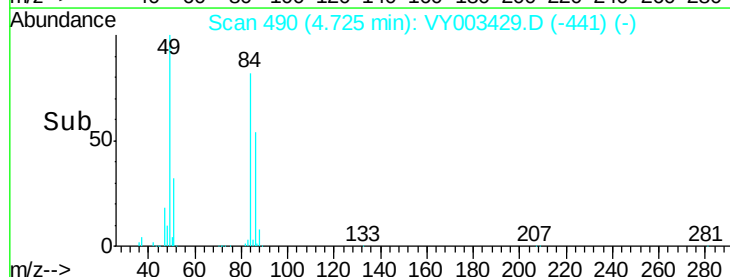
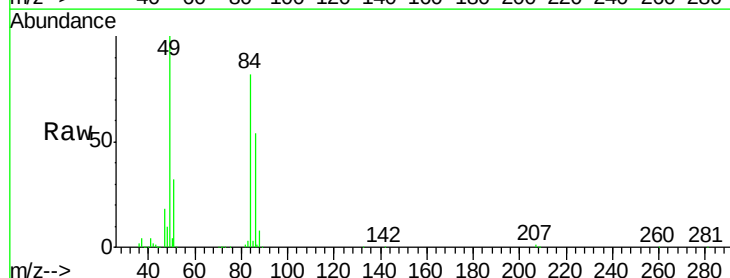
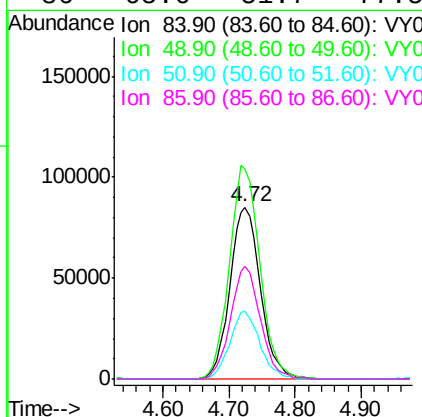
Manual Integrations
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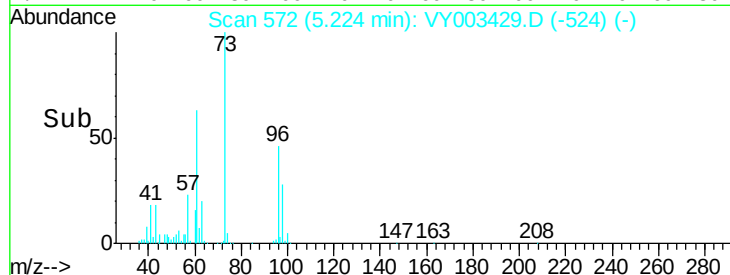
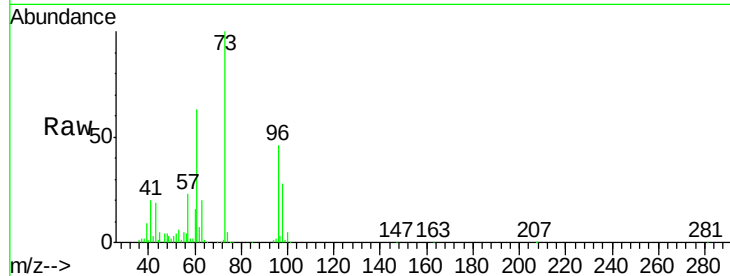
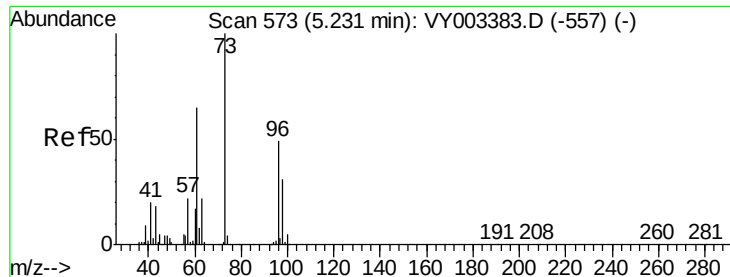
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#20
Methylene Chloride
Concen: 47.042 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	104.2	156.4
51	39.7	31.5	47.3
86	65.6	51.7	77.5





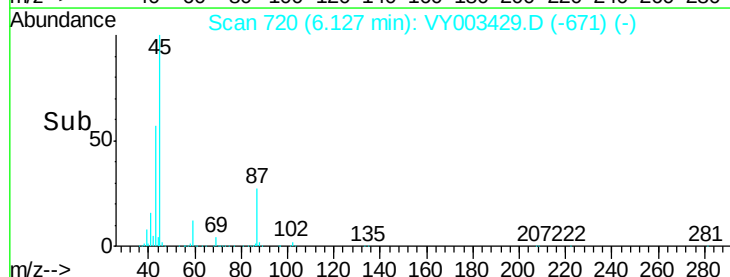
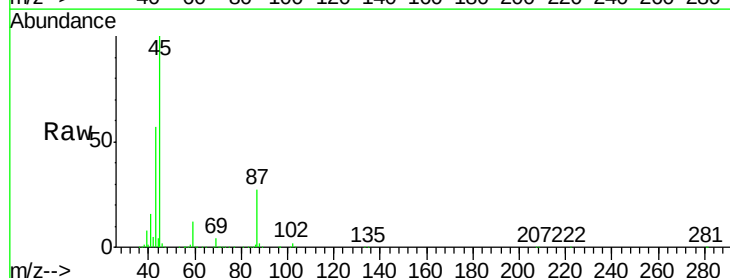
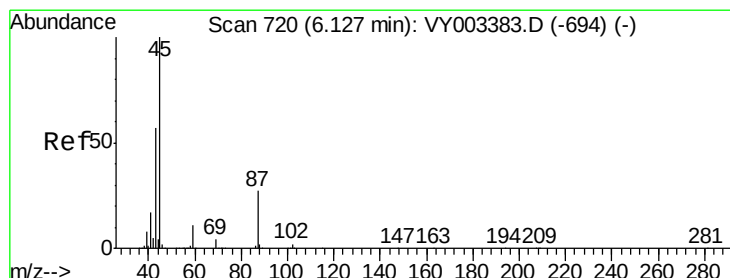
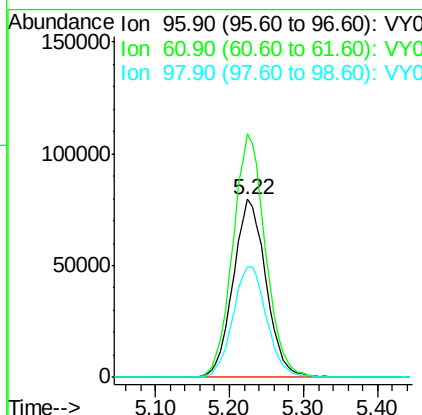
#21
trans-1,2-Dichloroethene
Concen: 50.683 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	106.3	159.5
98	61.8	50.8	76.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

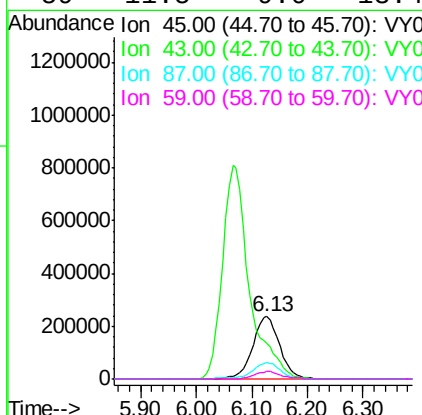
Manual Integrations
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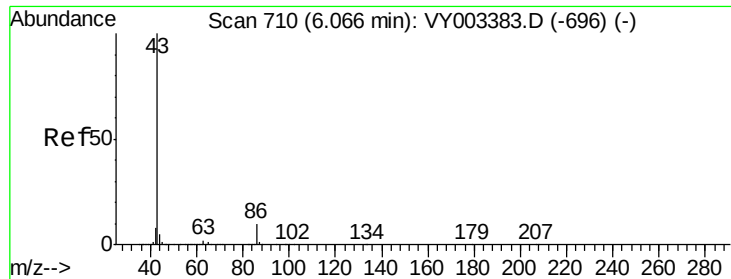
MMDadoda
8/4/2020 1:51:15 PM



#22
Diisopropyl ether
Concen: 53.139 ug/l
RT: 6.13 min Scan# 720
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	45.6	68.4
87	26.8	21.3	31.9
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 273.765 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2705451

Ion Ratio Lower Upper

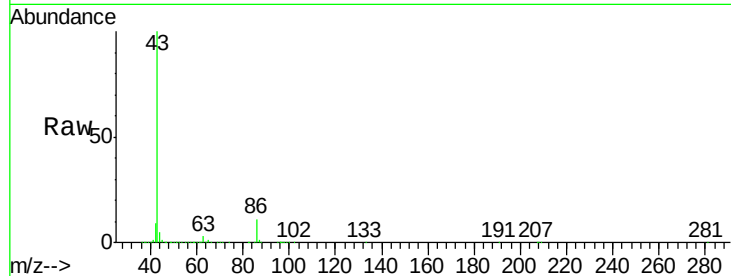
43 100

86 10.7 8.0 12.0

Manual Integrations
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8/4/2020 1:51:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

800000

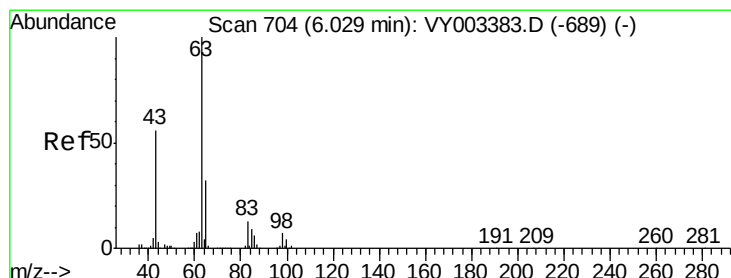
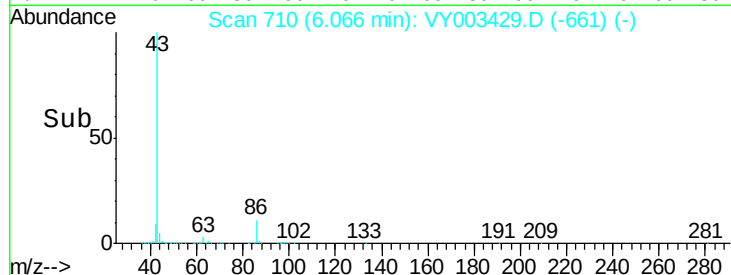
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.841 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

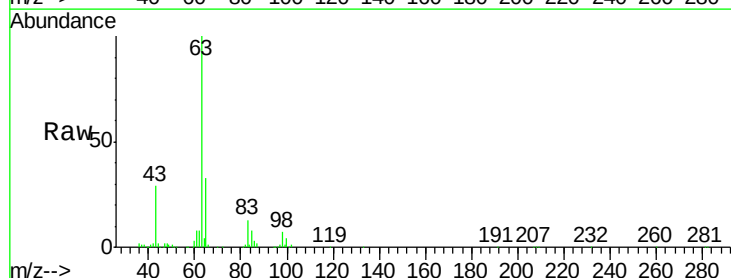
Tgt Ion: 63 Resp: 438233

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 4.1 2.2 6.6



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

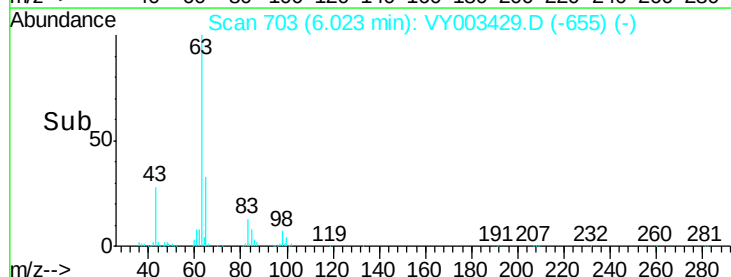
150000

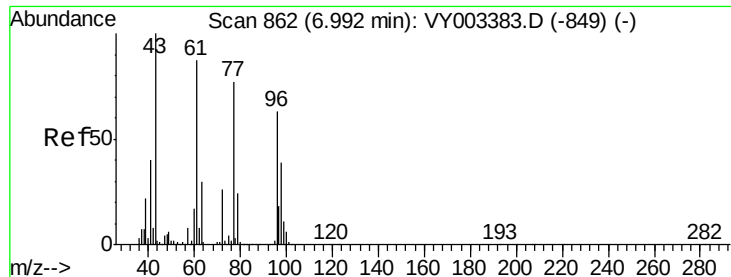
100000

50000

0

Time-->





#25

2-Butanone

Concen: 271.383 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 472818

Ion Ratio Lower Upper

43 100

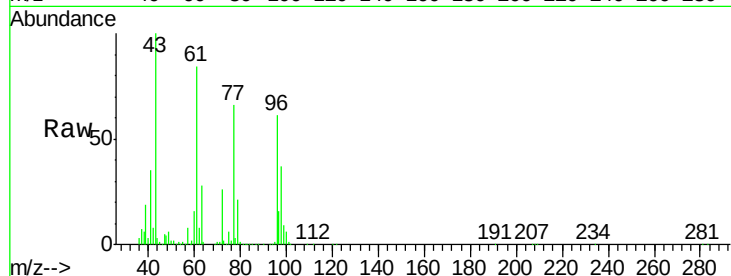
72 26.4 21.1 31.7

Manual Integrations

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8/4/2020 1:51:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

200000

150000

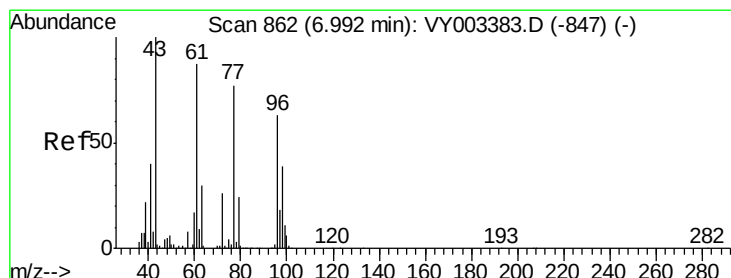
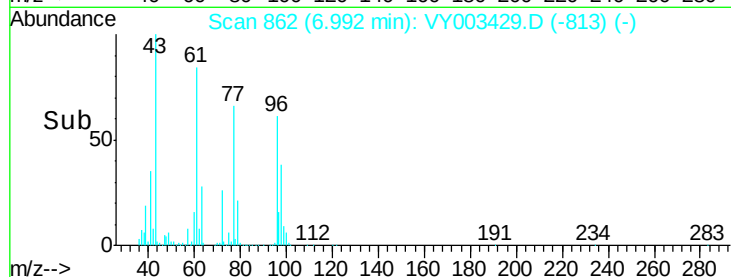
100000

50000

0

6.90 7.00

Time-->



#26

2,2-Dichloropropane

Concen: 47.376 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003429.D

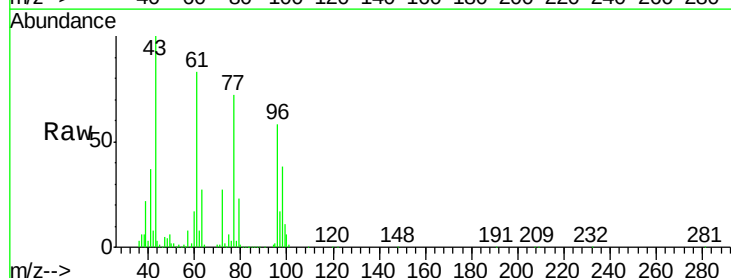
Acq: 03 Aug 2020 20:02

Tgt Ion: 77 Resp: 357358

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

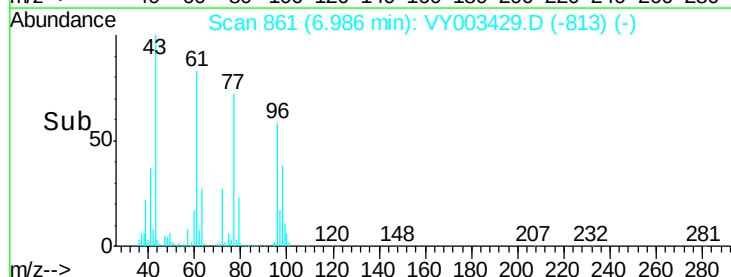
100000

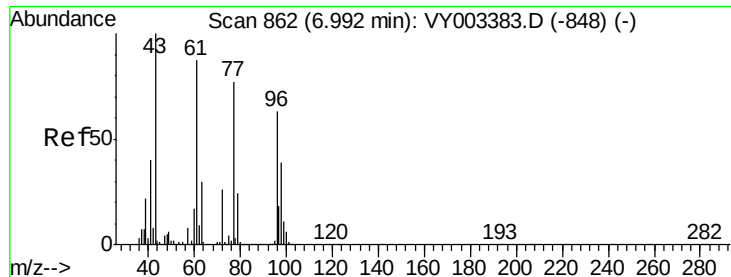
50000

0

6.80 6.90 7.00 7.10

Time-->





#27

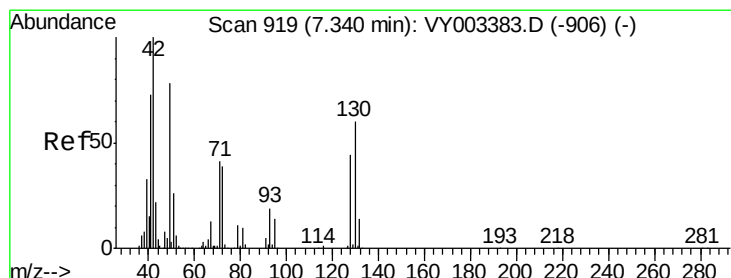
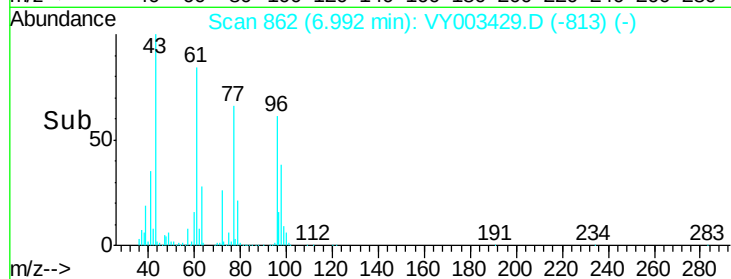
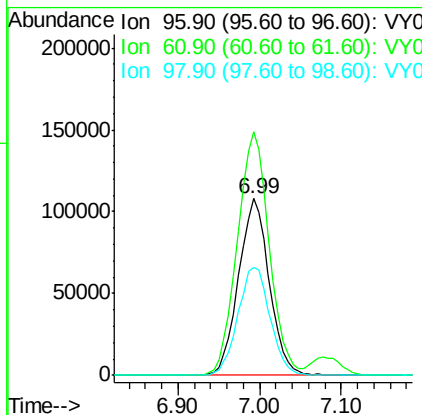
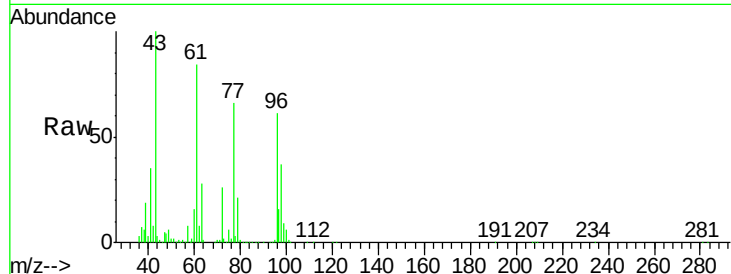
cis-1,2-Dichloroethene
 Concen: 53.028 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	282378		
61	142.3	0.0	290.0	
98	64.0	0.0	129.0	

Manual Integrations
 APPROVED

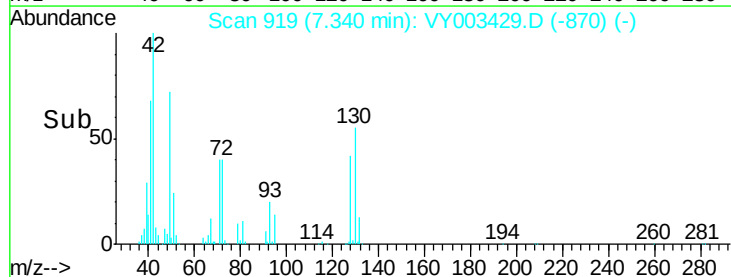
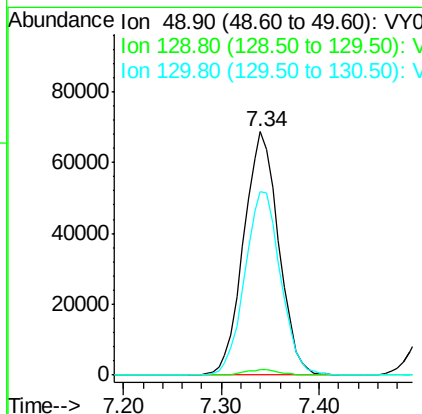
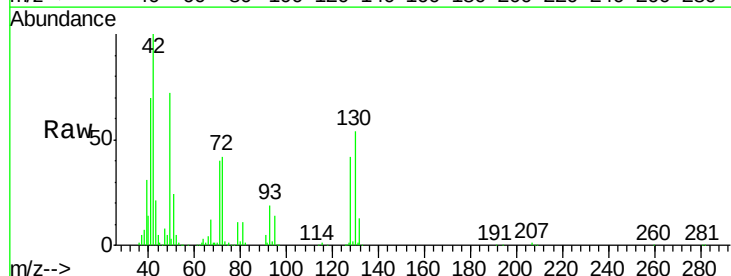
MMDadoda
 8/4/2020 1:51:15 PM

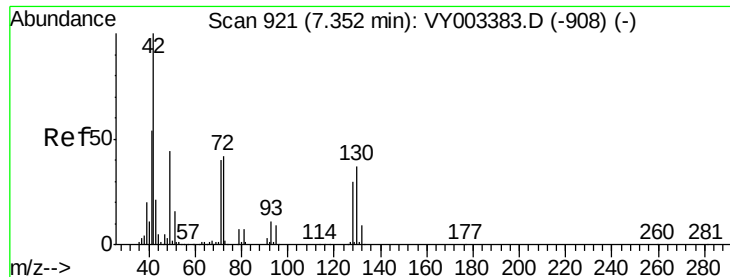


#28

Bromochloromethane
 Concen: 51.834 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	170447		
129	2.2	0.0	4.4	
130	77.1	60.3	90.5	





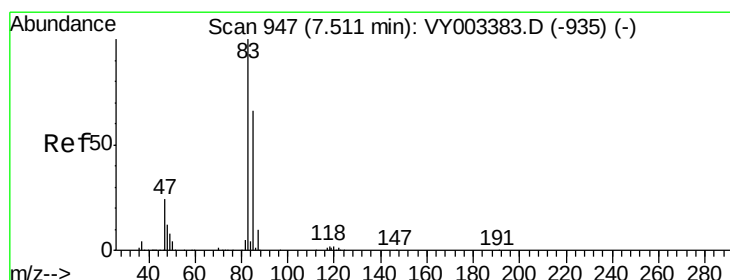
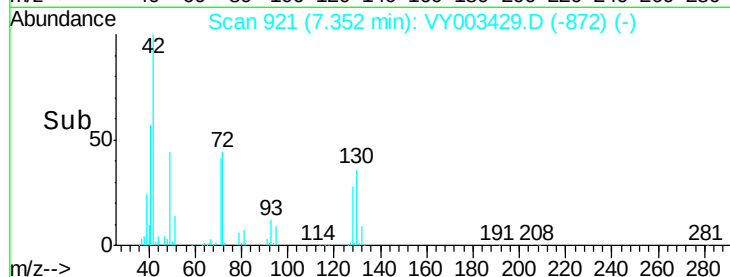
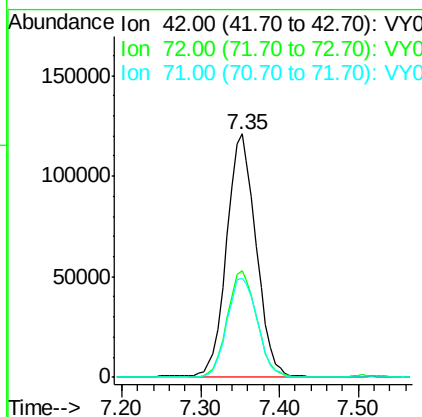
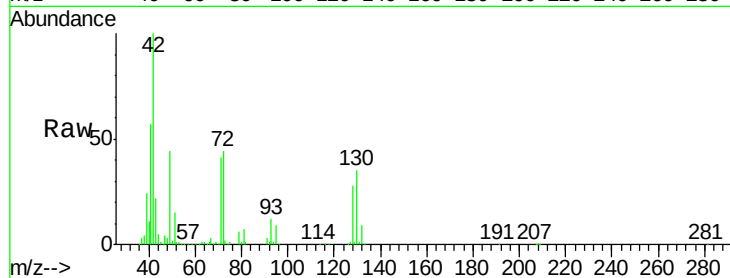
#29
Tetrahydrofuran
Concen: 276.699 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.5	50.3
71	42.1	32.1	48.1

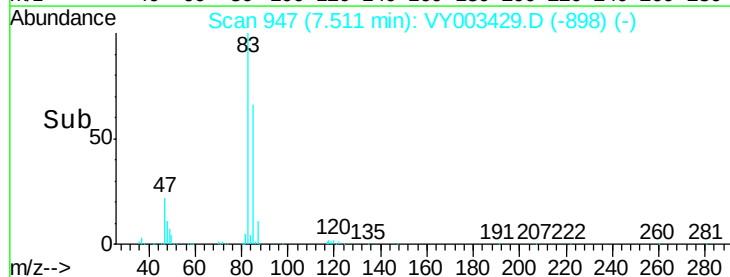
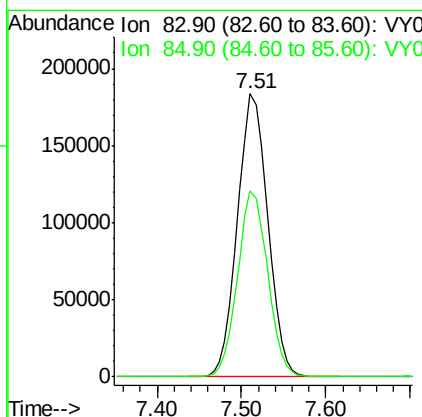
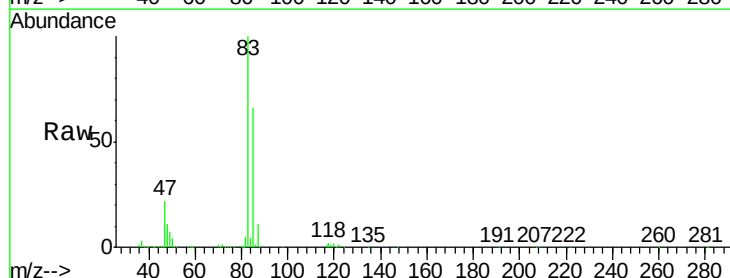
Manual Integrations
APPROVED

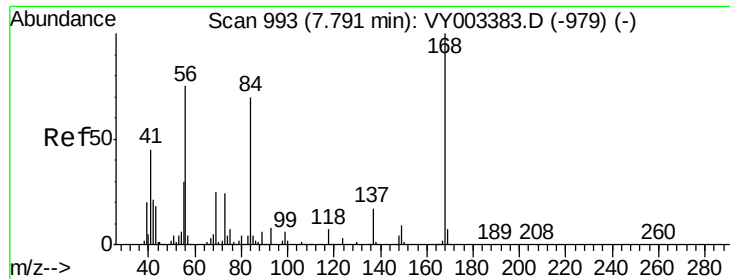
MMDadoda
8/4/2020 1:51:15 PM



#30
Chloroform
Concen: 53.364 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7





#31

Cyclohexane

Concen: 46.664 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

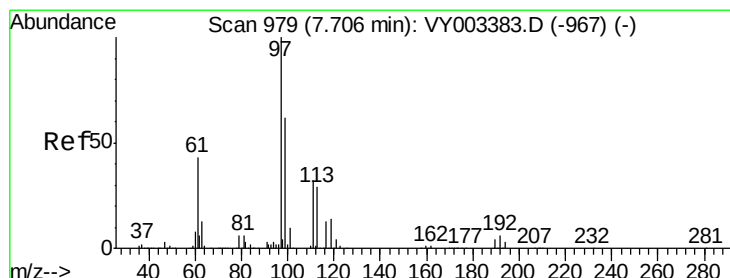
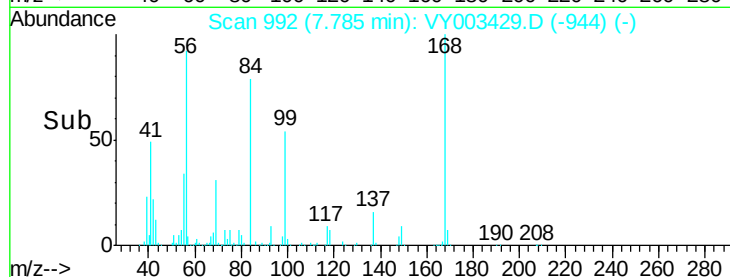
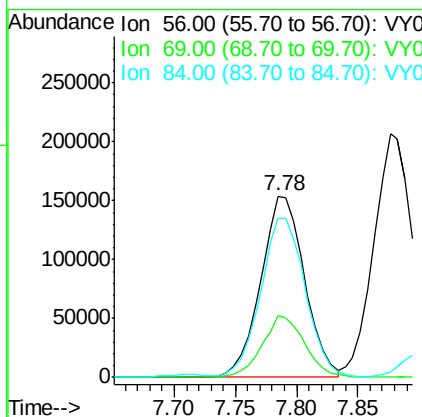
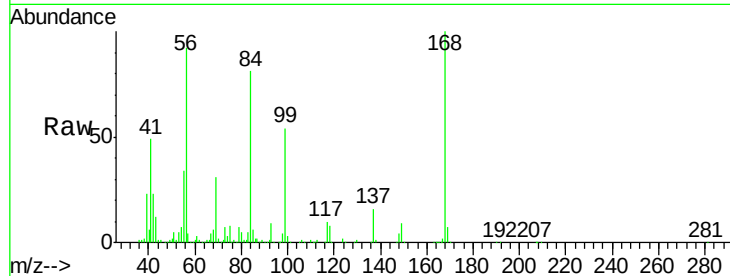
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	382746
Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.1	39.1
84	86.5	73.9	110.9

Manual Integrations
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8/4/2020 1:51:15 PM



#32

1,1,1-Trichloroethane

Concen: 51.089 ug/l

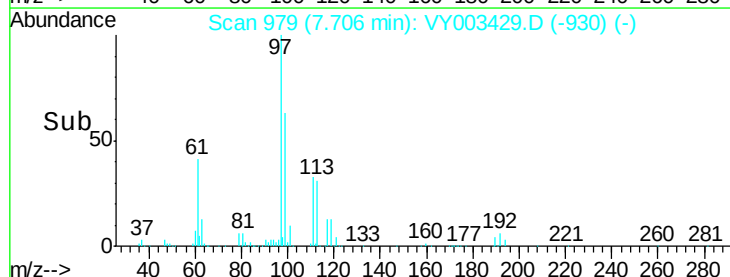
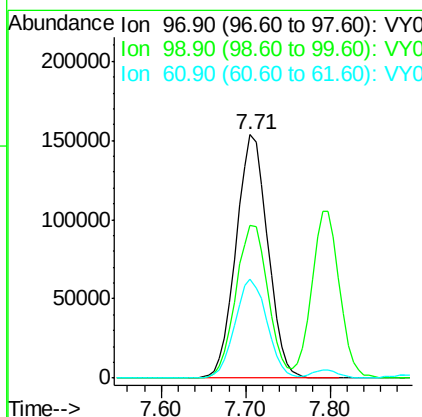
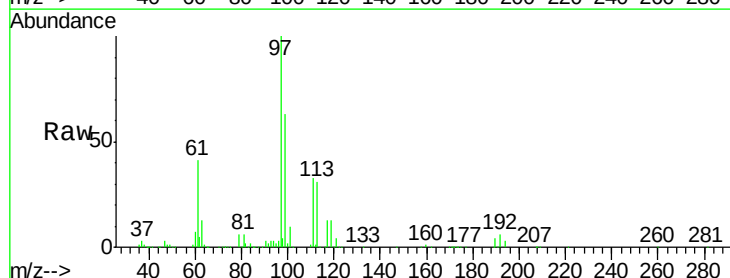
RT: 7.71 min Scan# 979

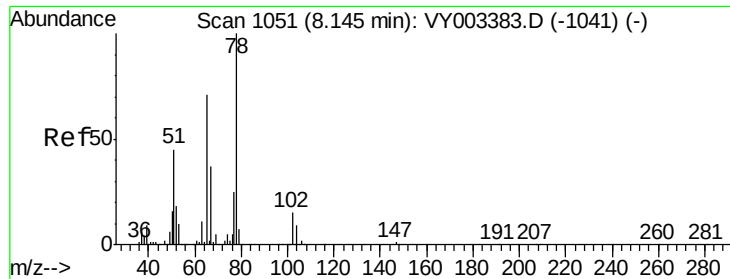
Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Tgt Ion:	97	Resp:	390839
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	41.0	33.7	50.5





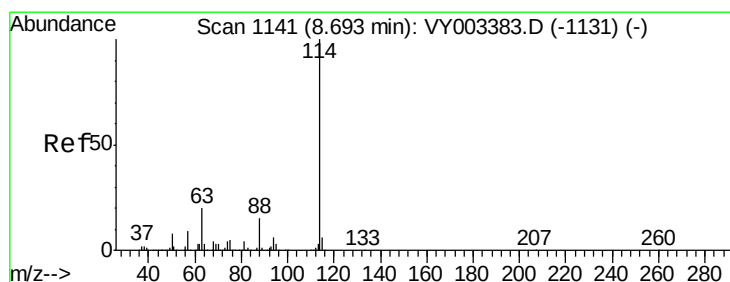
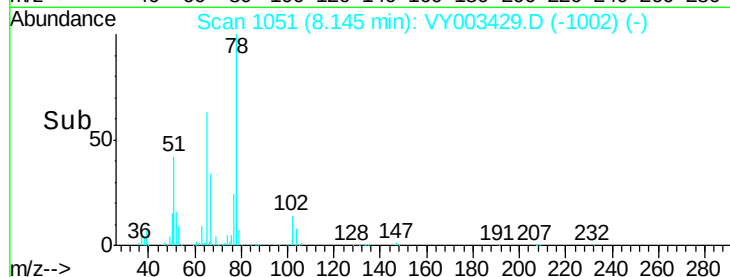
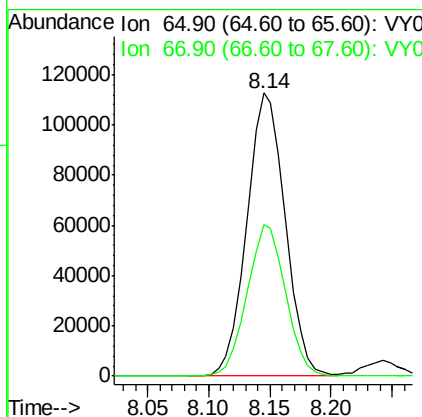
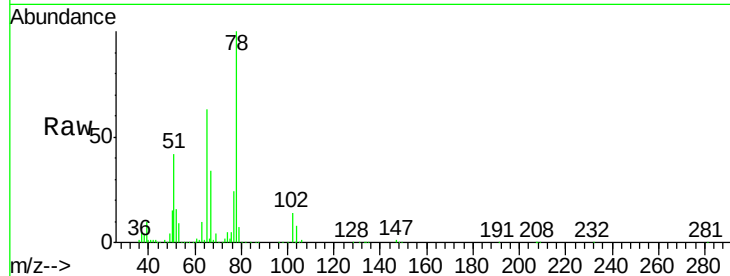
#33
 1,2-Dichloroethane-d4
 Concen: 53.172 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.6

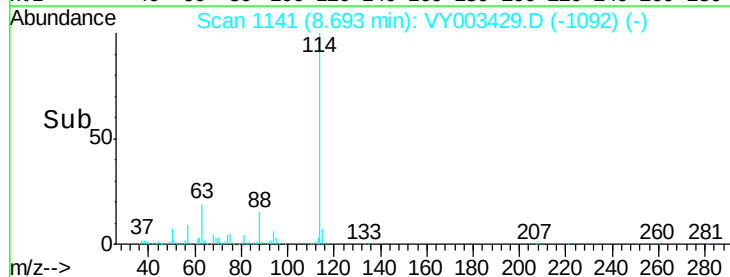
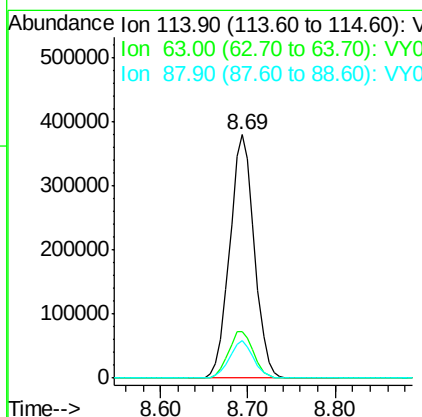
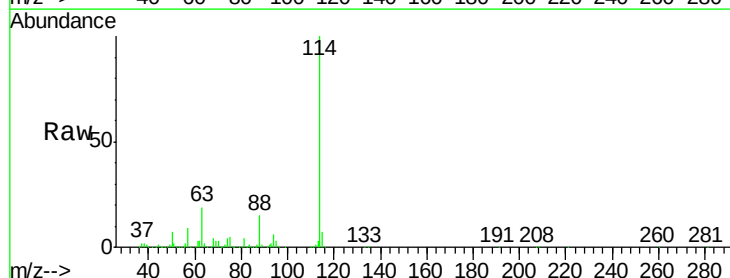
Manual Integrations
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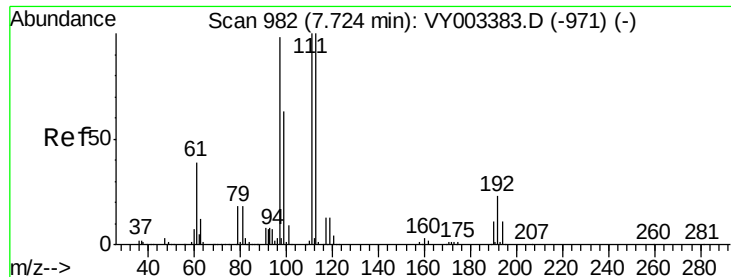
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.6
88	15.3	0.0	29.2





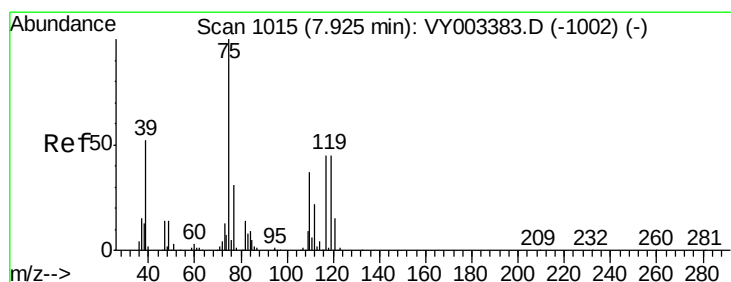
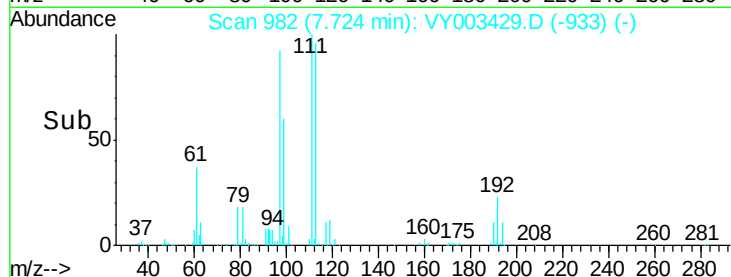
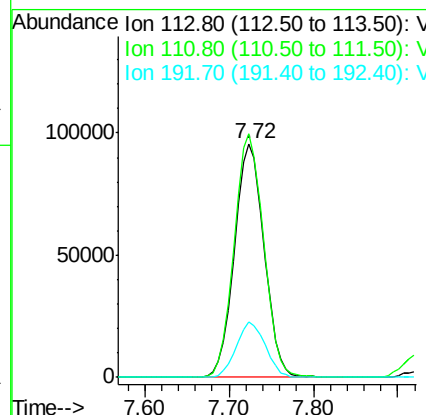
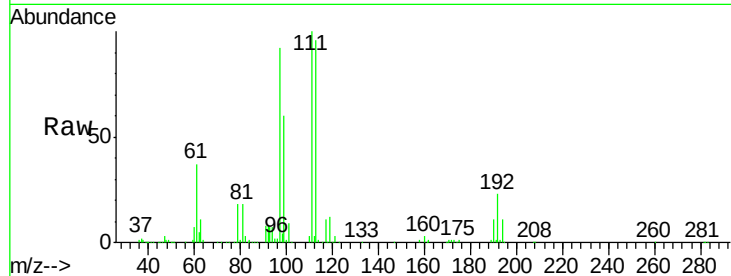
#35
Dibromofluoromethane
Concen: 52.127 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227161		
111	103.8	83.0	124.4	
192	23.4	18.8	28.2	

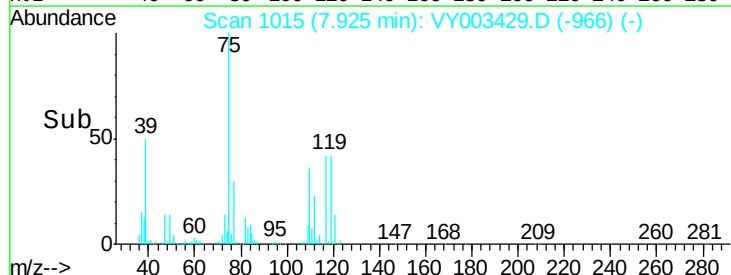
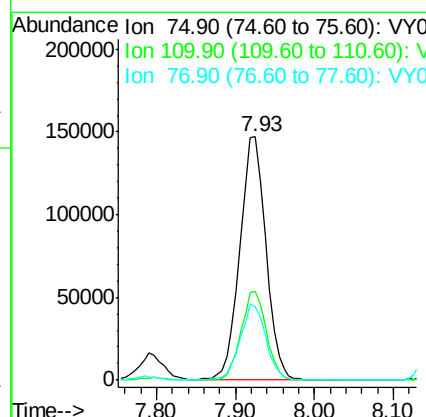
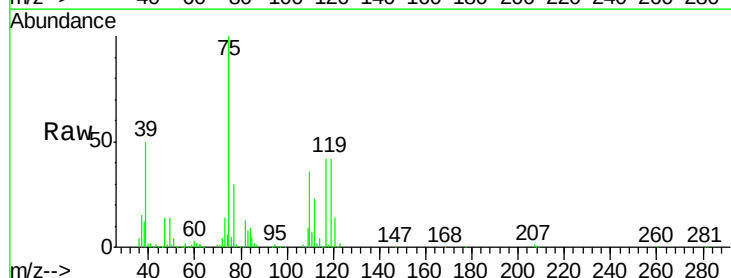
Manual Integrations
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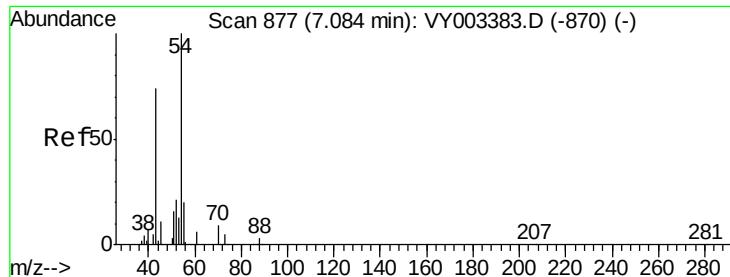
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.502 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	339546		
110	35.5	17.8	53.5	
77	31.0	24.6	36.8	





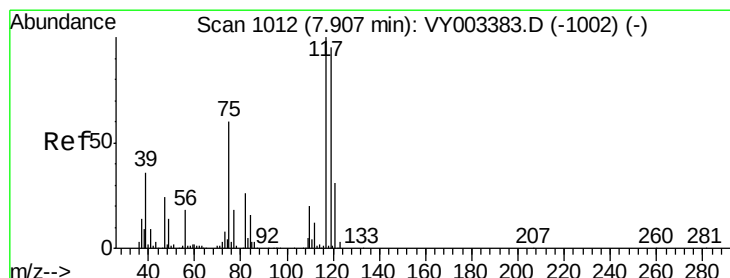
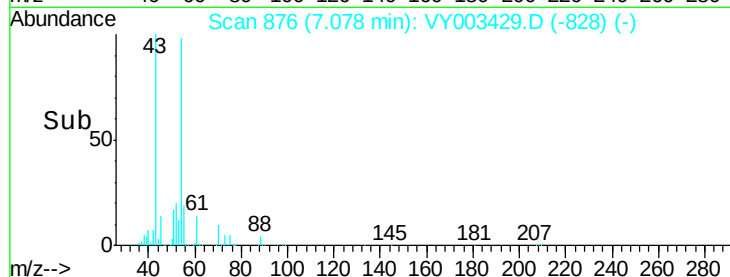
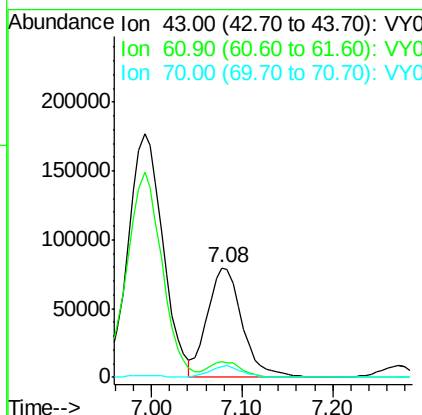
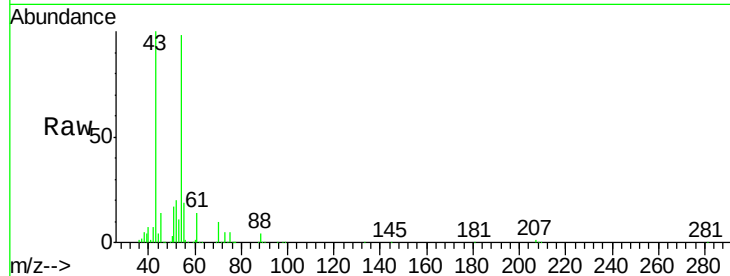
#37
Ethyl Acetate
Concen: 53.376 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.2	16.8
70	9.8	7.7	11.5

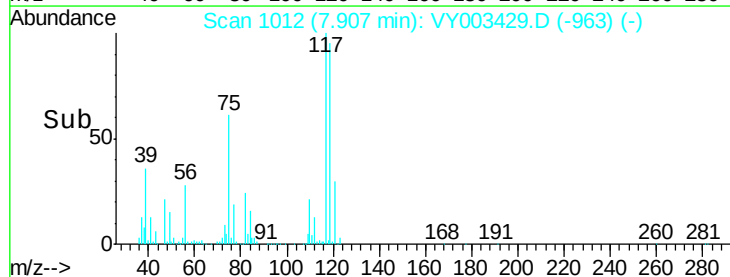
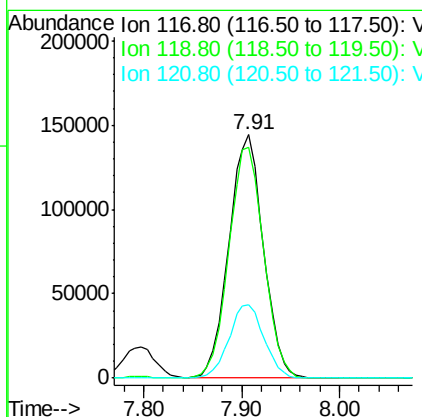
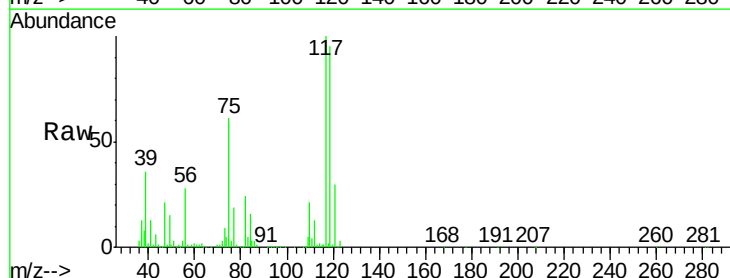
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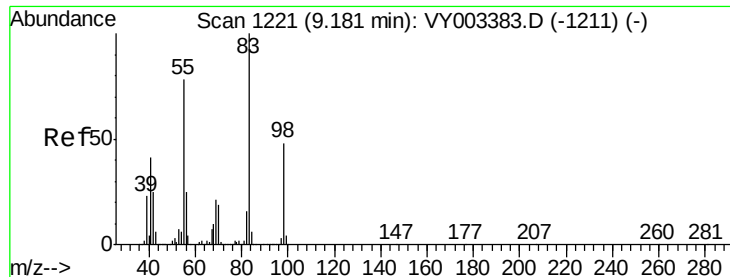
MMDadoda
8/4/2020 1:51:15 PM



#38
Carbon Tetrachloride
Concen: 48.854 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.1	114.1
121	30.1	24.5	36.7





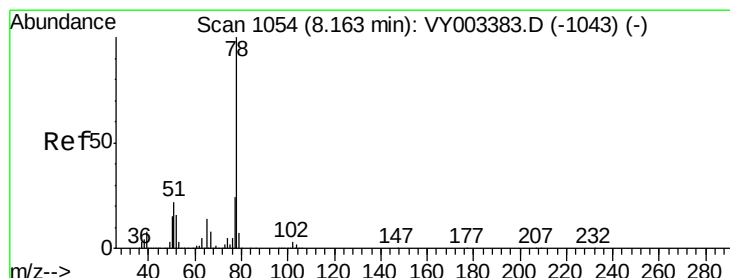
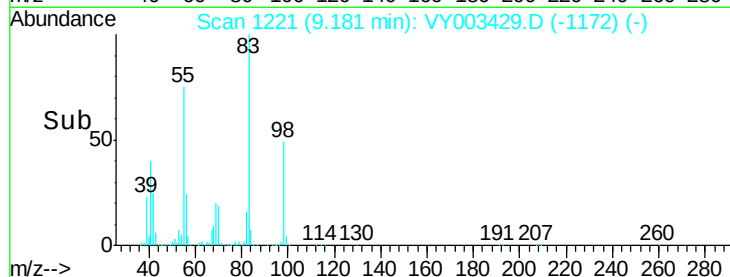
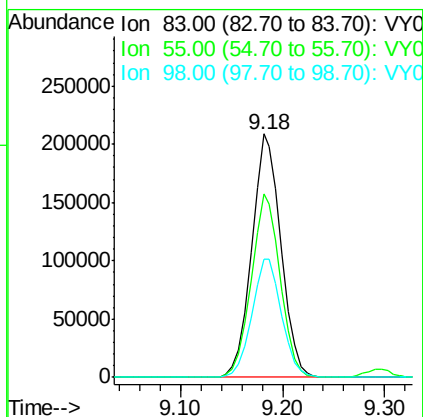
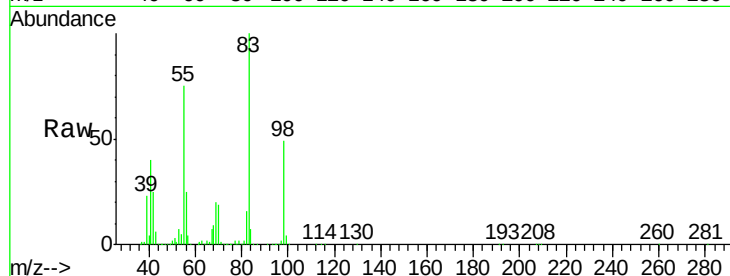
#39
Methylvlcyclohexane
Concen: 48.731 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	62.2	93.4
98	48.6	38.7	58.1

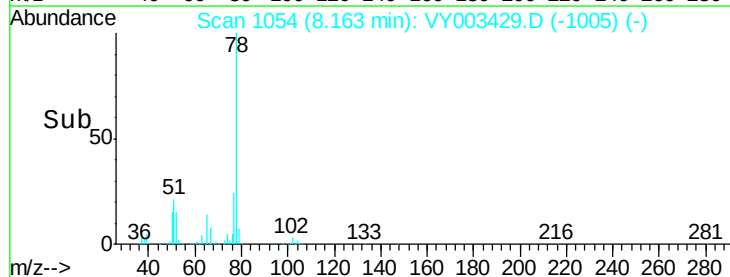
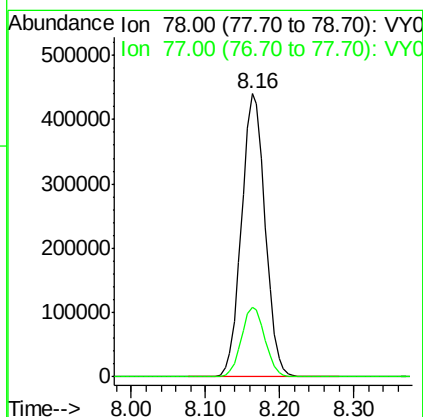
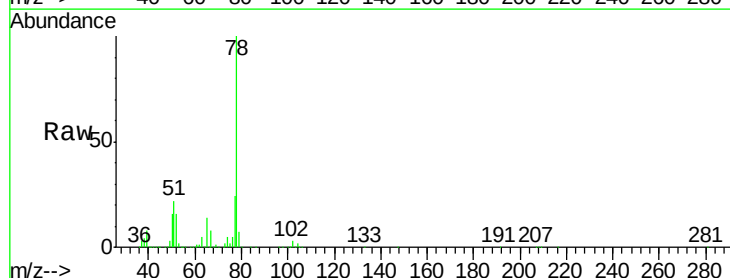
Manual Integrations
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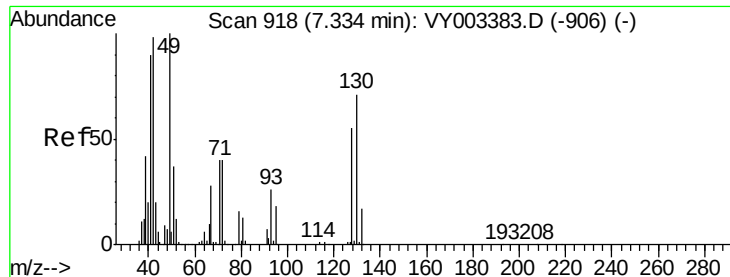
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#40
Benzene
Concen: 50.409 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.5	29.3





#41

Methacrylonitrile

Concen: 55.548 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.01 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 126765

Ion Ratio Lower Upper

41 100

39 108.1 78.3 117.5

67 0.0 0.0 0.0

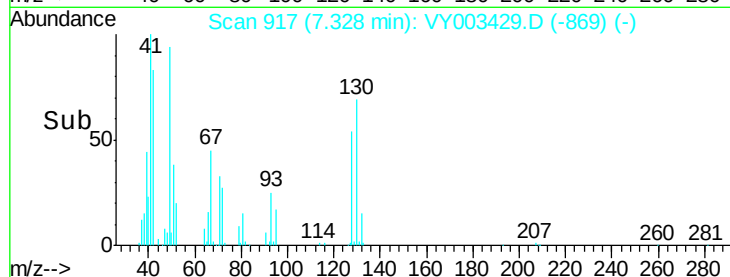
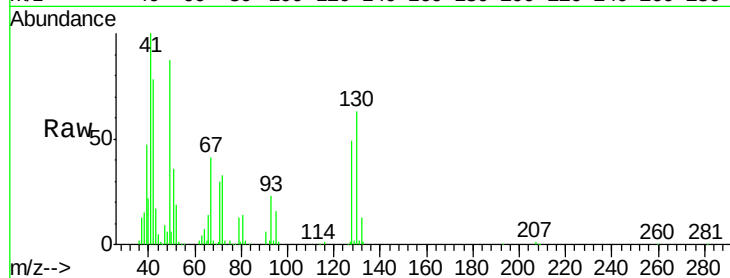
52 0.0 0.0 0.0

Manual Integrations

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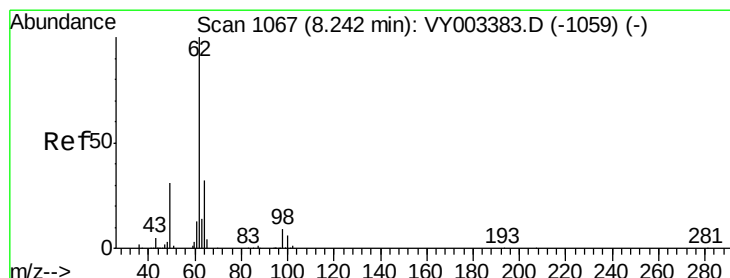
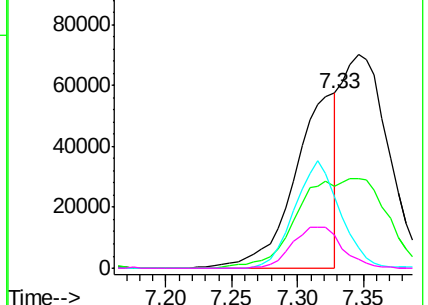


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 52.579 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003429.D

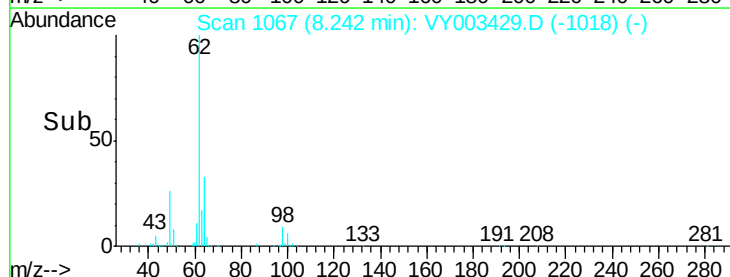
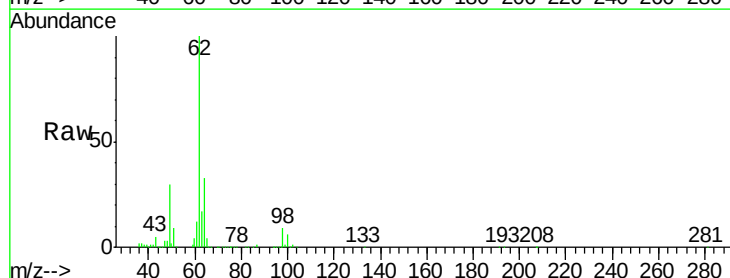
Acq: 03 Aug 2020 20:02

Tgt Ion: 62 Resp: 311052

Ion Ratio Lower Upper

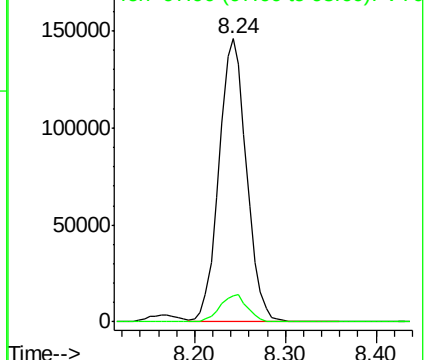
62 100

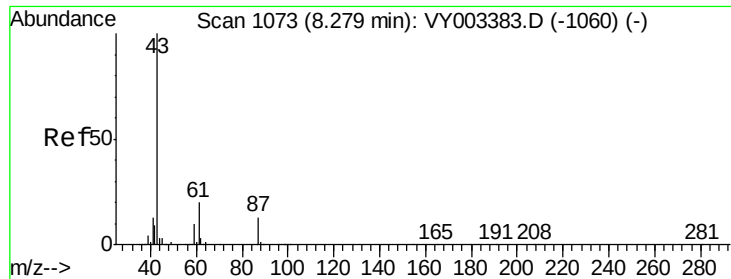
98 9.5 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





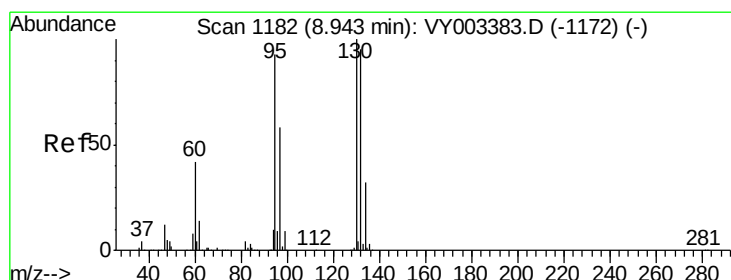
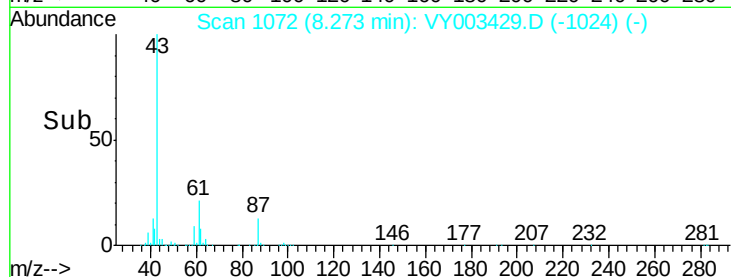
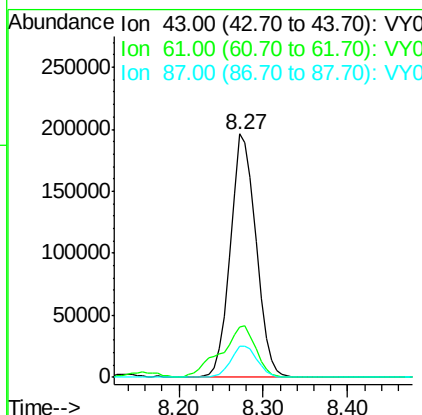
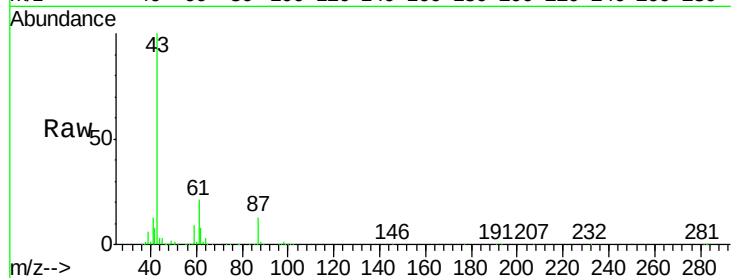
#43
Isopropyl Acetate
Concen: 53.641 ug/l
RT: 8.27 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.0	34.4
87	13.3	10.5	15.7

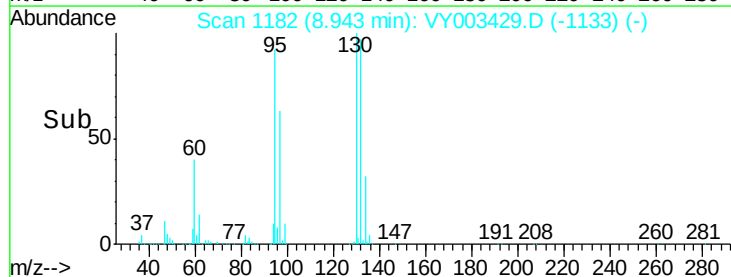
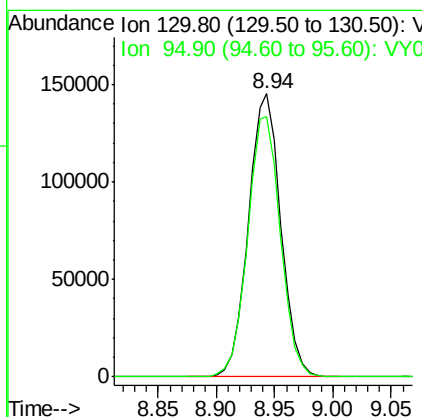
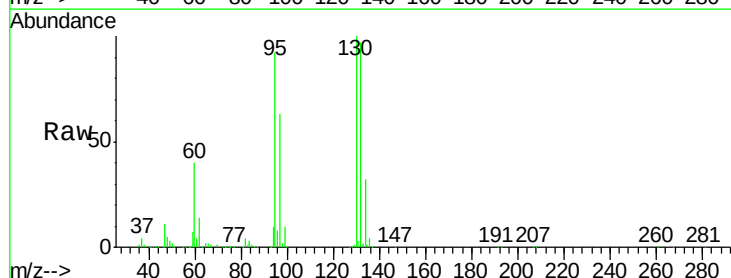
Manual Integrations
APPROVED

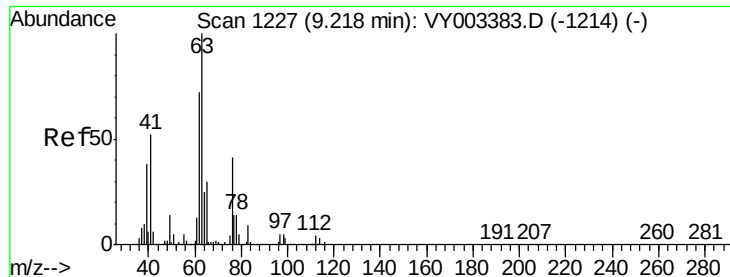
MMDadoda
8/4/2020 1:51:15 PM



#44
Trichloroethene
Concen: 50.386 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	186.8





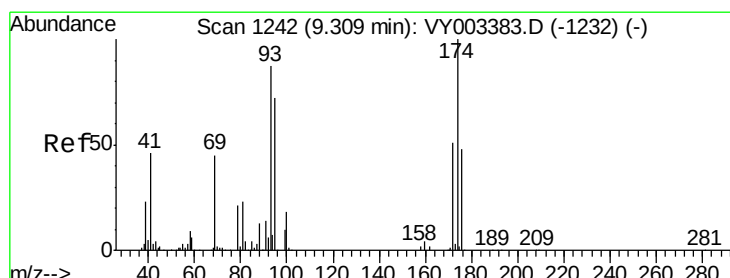
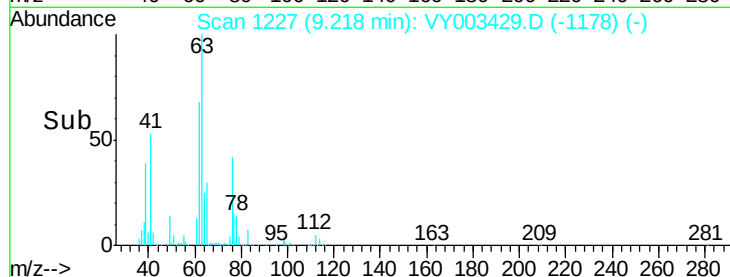
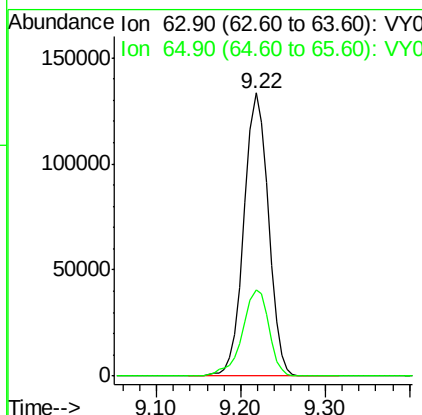
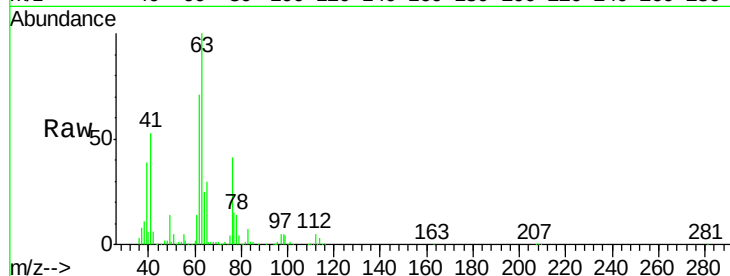
#45
 1,2-Dichloropropane
 Concen: 51.152 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.8	35.8

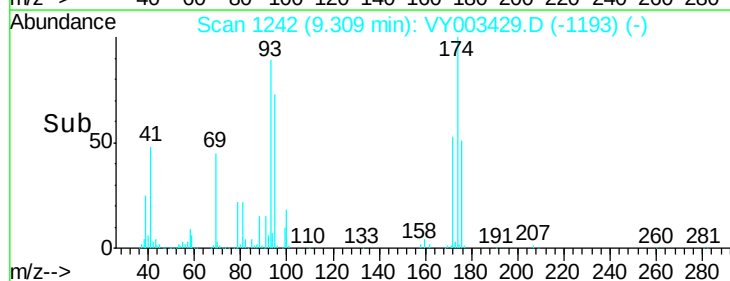
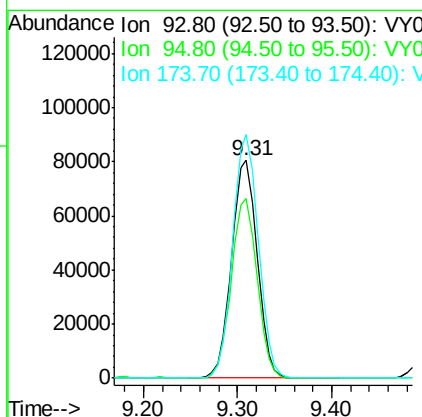
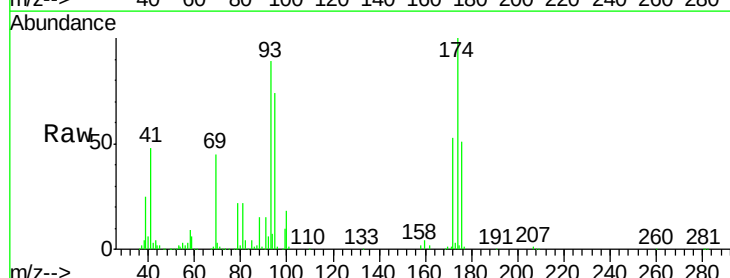
Manual Integrations
 APPROVED

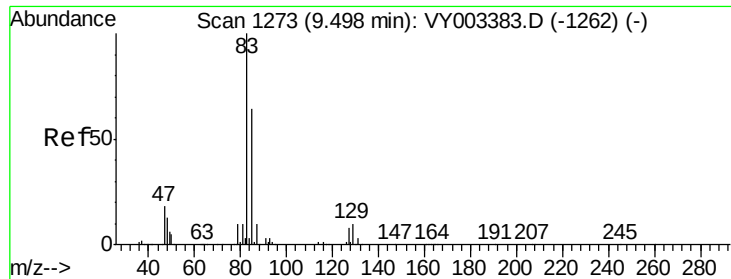
MMDadoda
 8/4/2020 1:51:15 PM



#46
 Dibromomethane
 Concen: 53.471 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.4	98.0
174	112.0	88.6	133.0





#47

Bromodichloromethane

Concen: 52.542 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

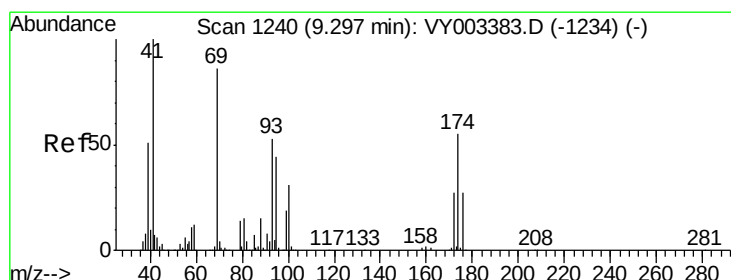
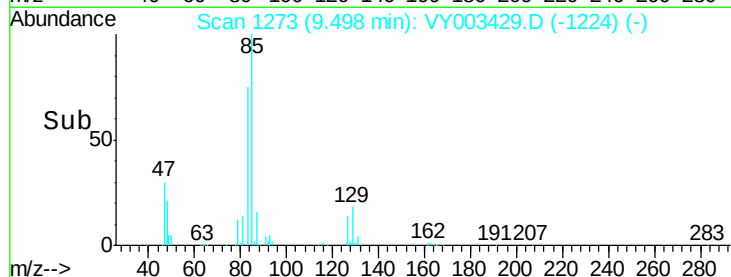
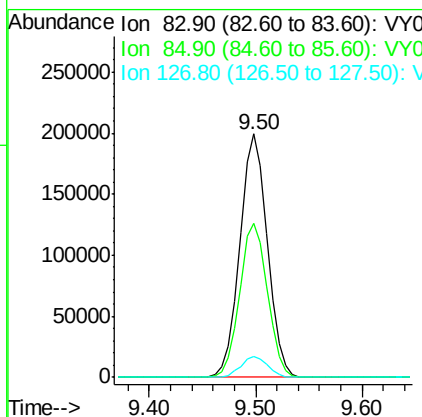
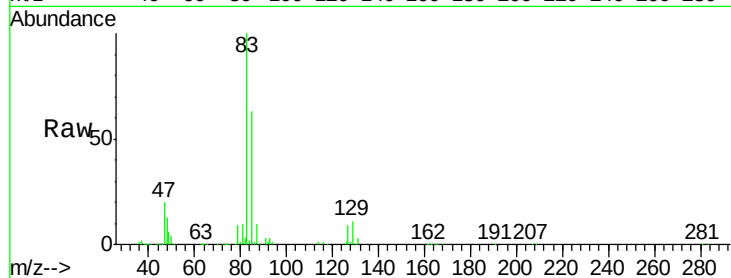
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	361341
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.6	77.4
127	8.5	6.5	9.7

Manual Integrations
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MMDadoda
8/4/2020 1:51:15 PM



#48

Methyl methacrylate

Concen: 54.029 ug/l

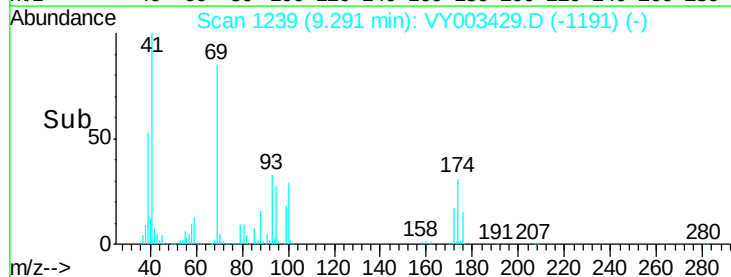
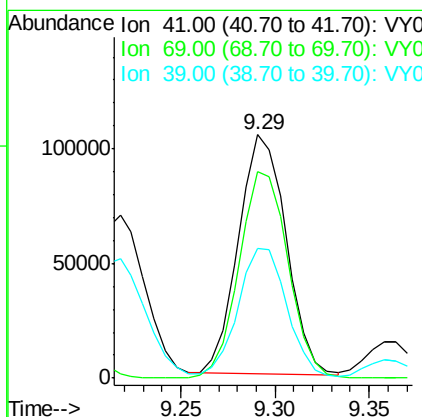
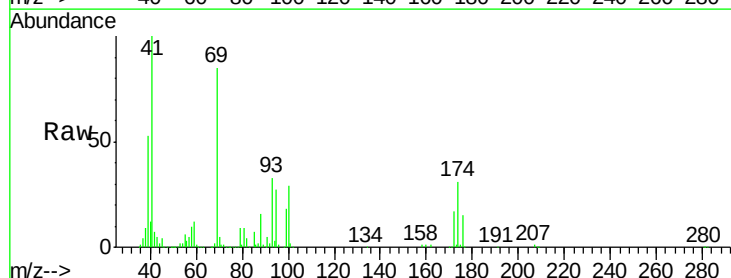
RT: 9.29 min Scan# 1239

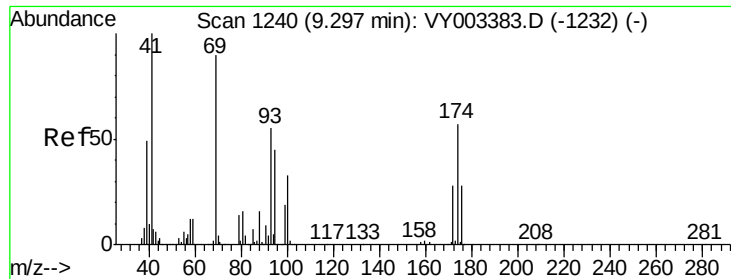
Delta R.T. -0.01 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Tgt Ion:	41	Resp:	183236
Ion Ratio	Lower	Upper	
41	100		
69	88.4	68.9	103.3
39	54.1	43.1	64.7





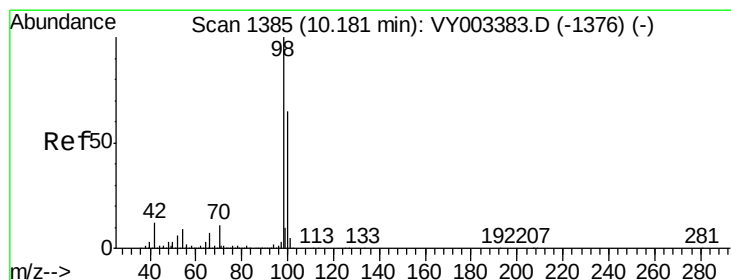
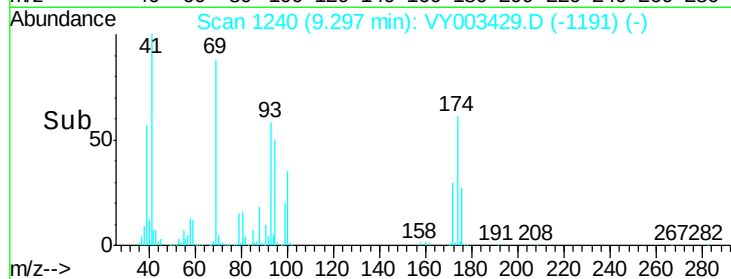
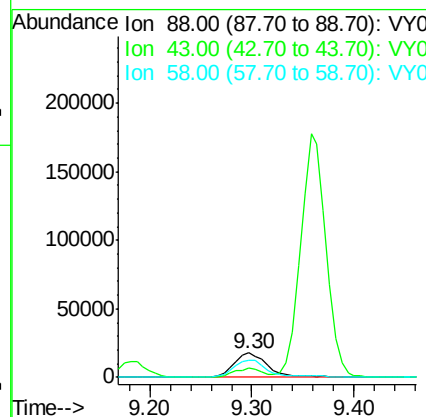
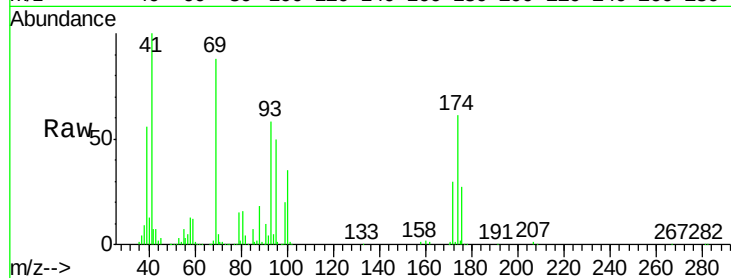
#49
 1,4-Dioxane
 Concen: 1123.343 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	41494
Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.9	37.3
58	65.8	54.3	81.5

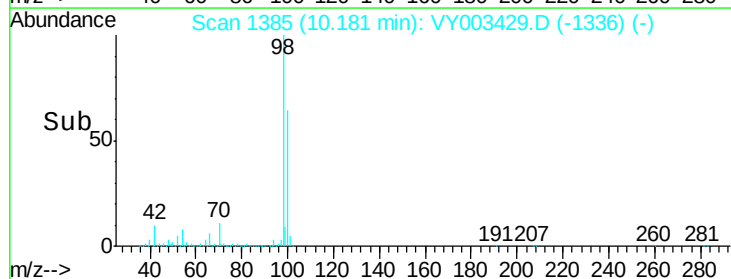
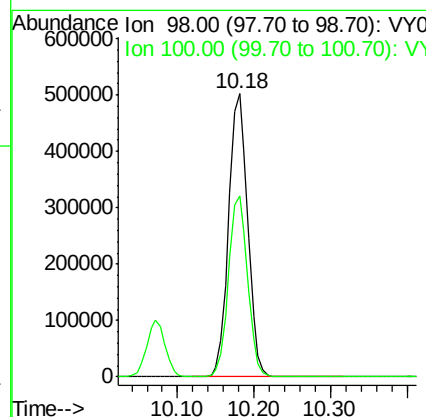
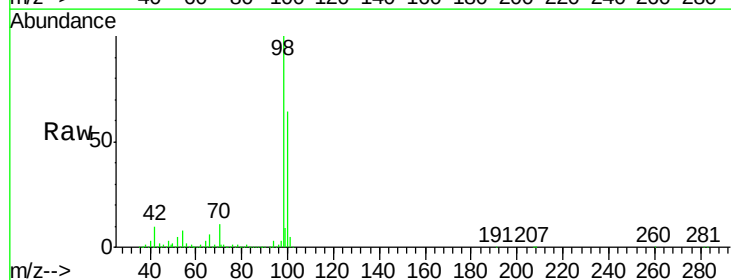
Manual Integrations
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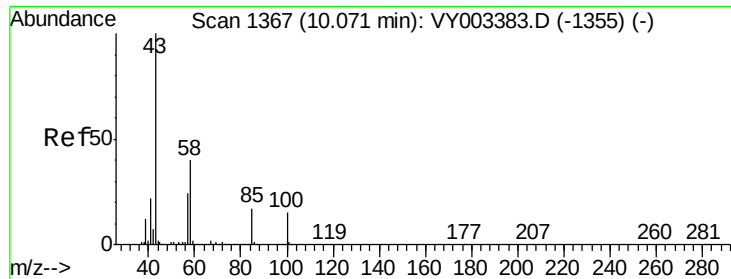
MMDadoda
 8/4/2020 1:51:15 PM



#50
 Toluene-d8
 Concen: 50.782 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	98	Resp	866562
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9





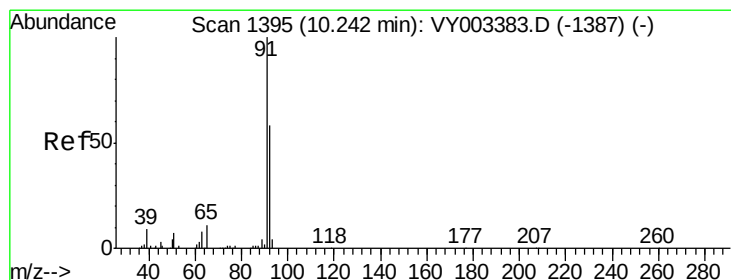
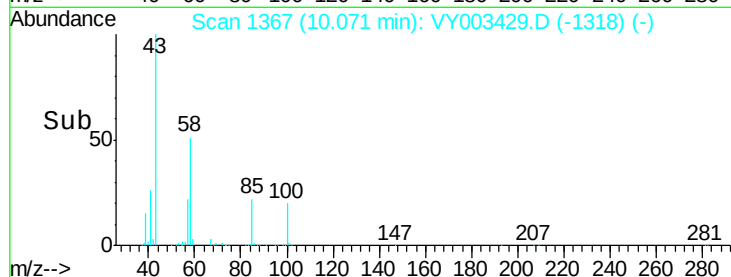
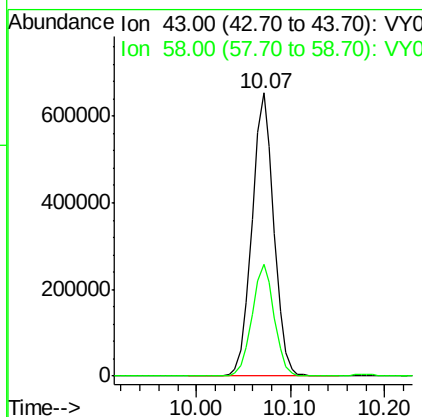
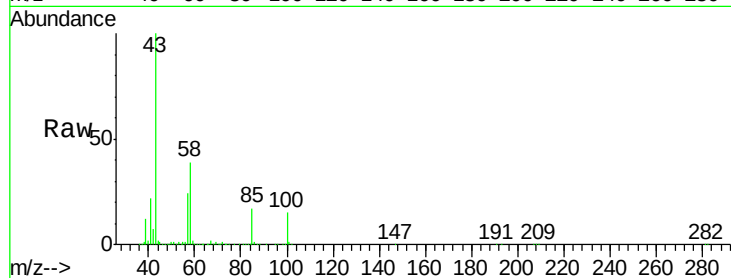
#51
4-Methyl-2-Pentanone
Concen: 271.448 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1068804
Ion Ratio Lower Upper
43 100
58 40.0 31.6 47.4

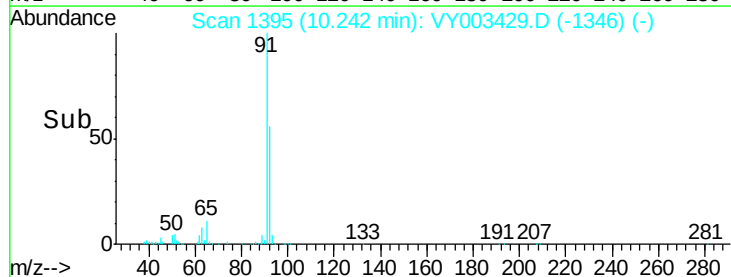
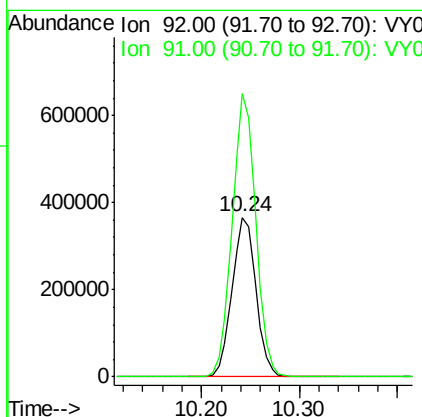
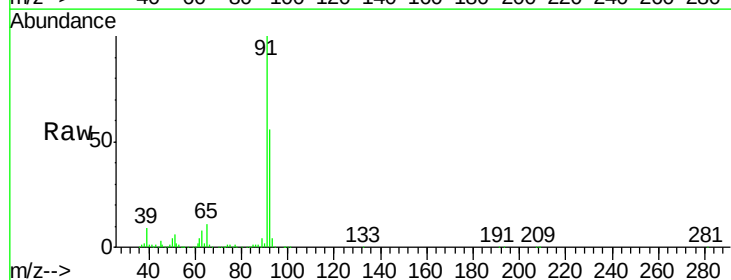
Manual Integrations
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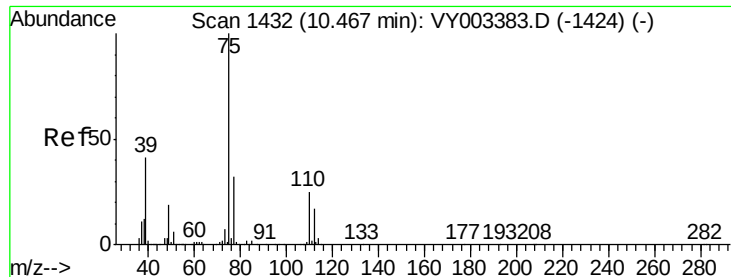
MMDadoda
8/4/2020 1:51:15 PM



#52
Toluene
Concen: 50.743 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion: 92 Resp: 618164
Ion Ratio Lower Upper
92 100
91 175.7 139.4 209.0





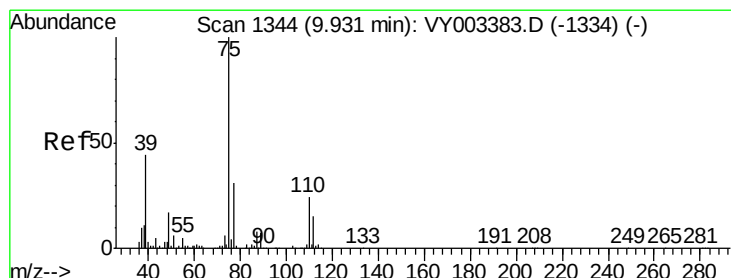
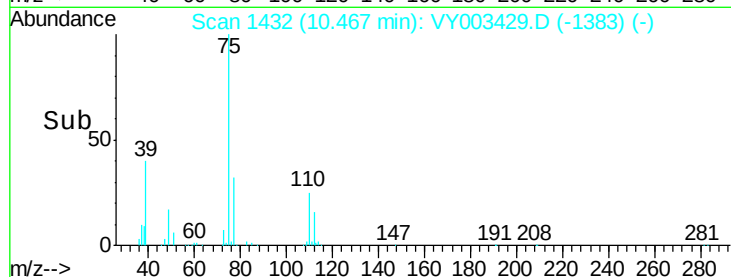
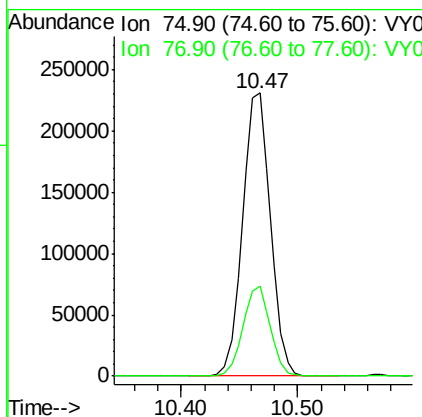
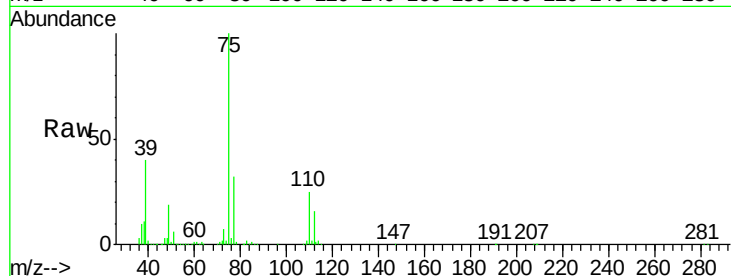
#53
 t-1,3-Dichloropropene
 Concen: 52.783 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

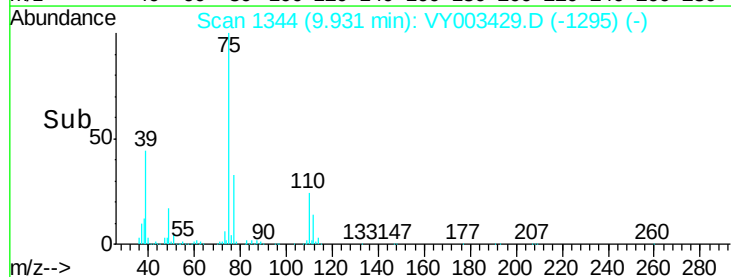
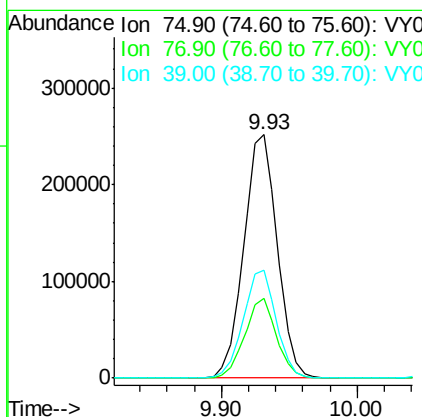
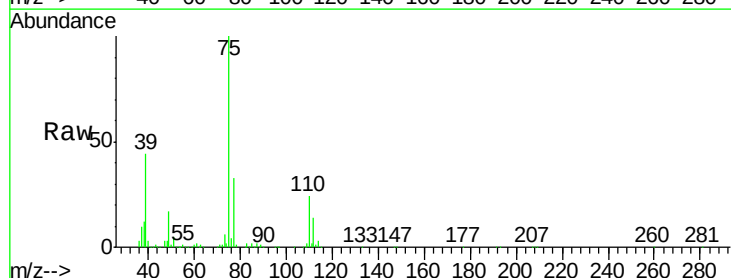
Manual Integrations
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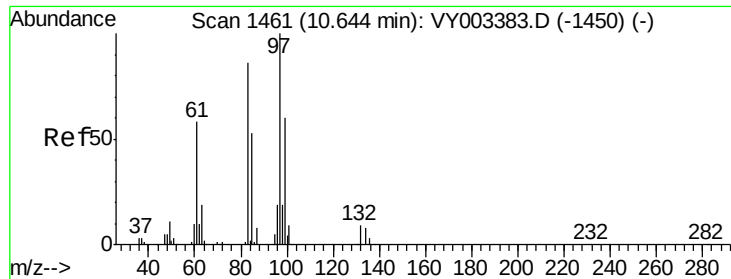
MMDadoda
 8/4/2020 1:51:15 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.400 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.8	37.2
39	44.3	34.8	52.2





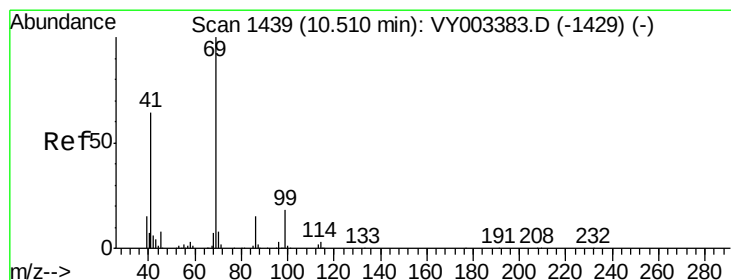
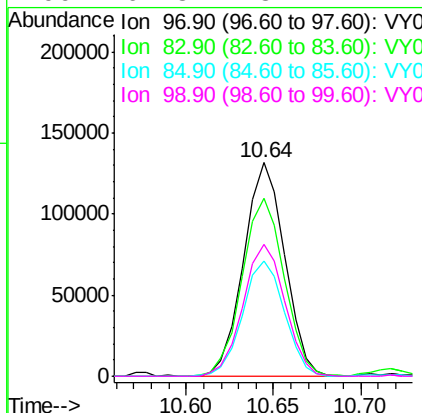
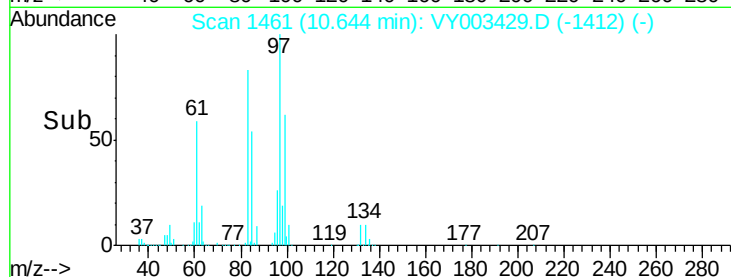
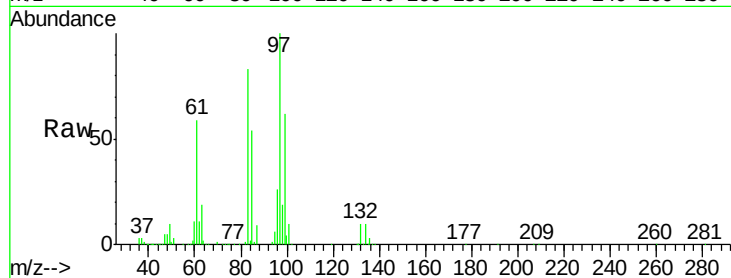
#55
 1,1,2-Trichloroethane
 Concen: 53.895 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		215748		
83	83.3	69.1	103.7		
85	53.7	42.5	63.7		
99	61.8	48.2	72.4		

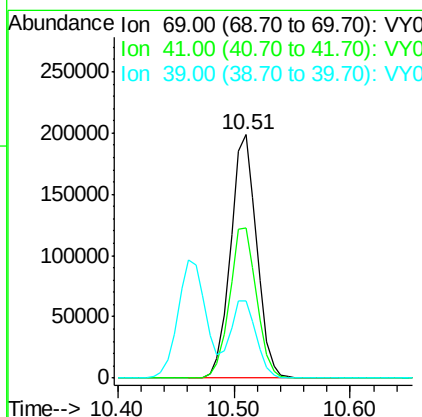
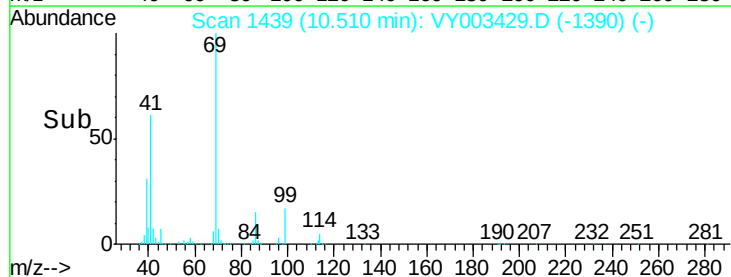
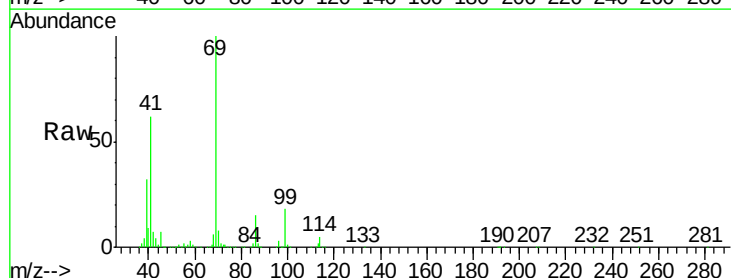
Manual Integrations
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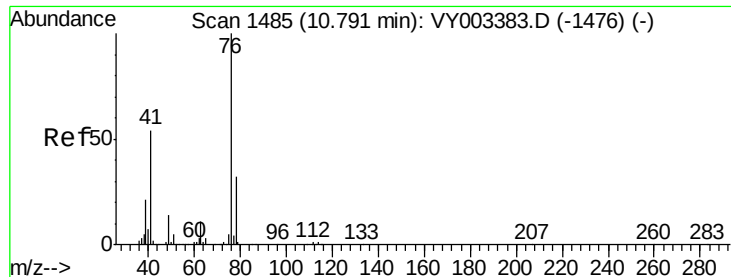
MMDadoda
 8/4/2020 1:51:15 PM



#56
 Ethyl methacrylate
 Concen: 55.780 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		309128		
41	63.9	52.2	78.4		
39	32.0	24.7	37.1		





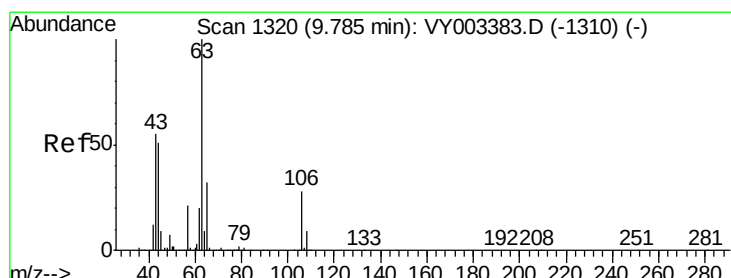
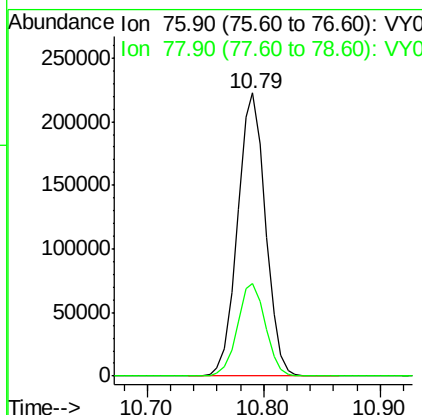
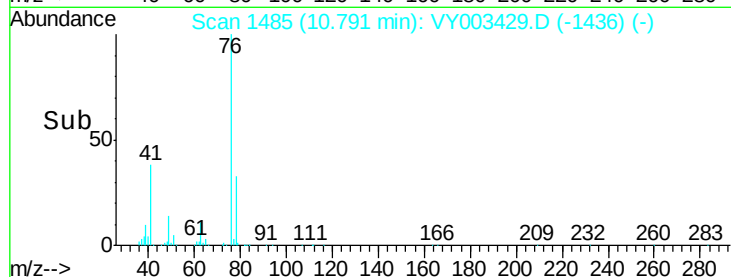
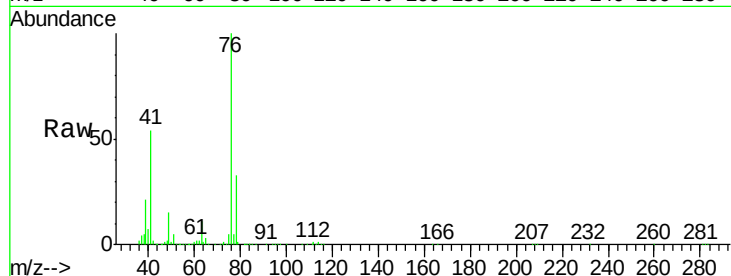
#57
 1,3-Dichloropropane
 Concen: 53.322 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.1	39.1

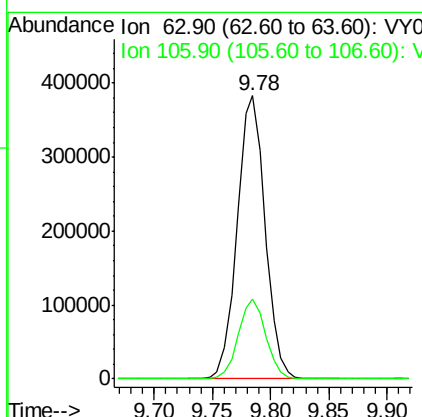
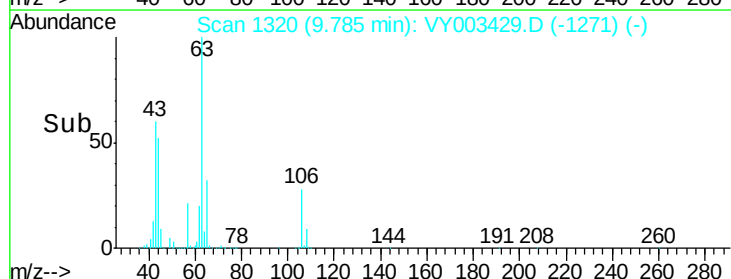
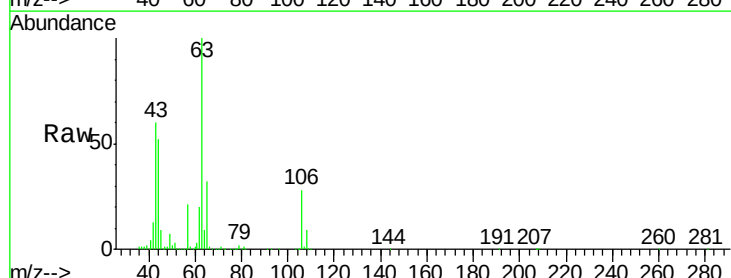
Manual Integrations
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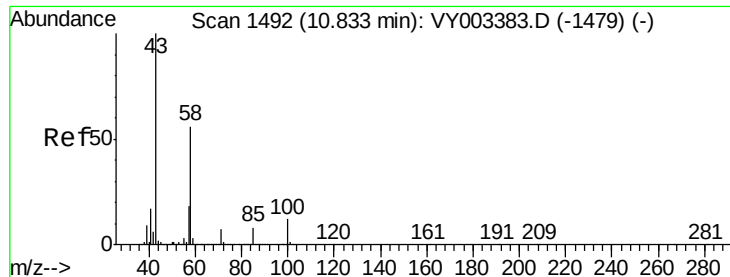
MMDadoda
 8/4/2020 1:51:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.269 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6





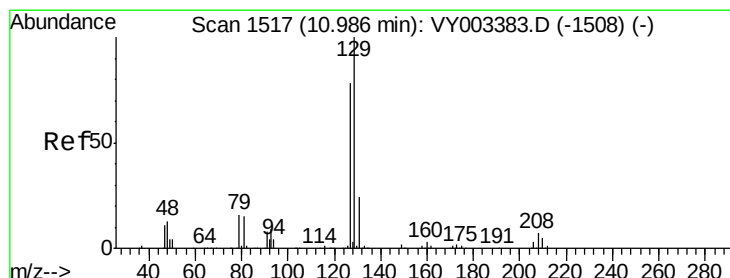
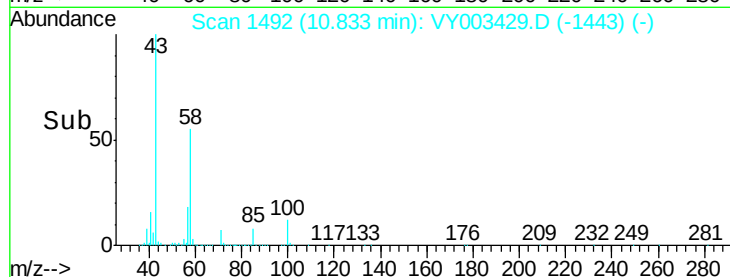
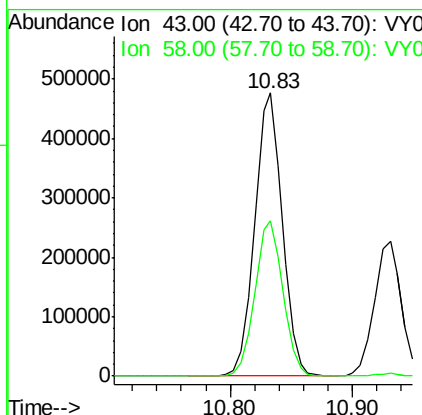
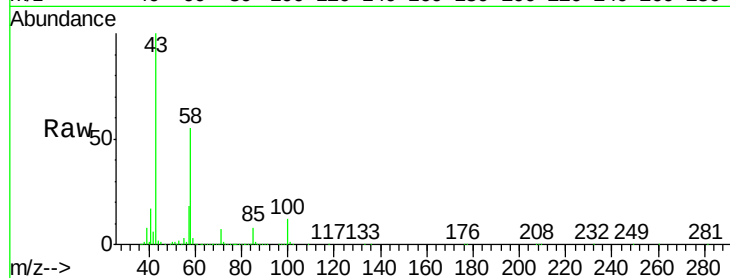
#59
2-Hexanone
Concen: 272.550 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.6	82.8

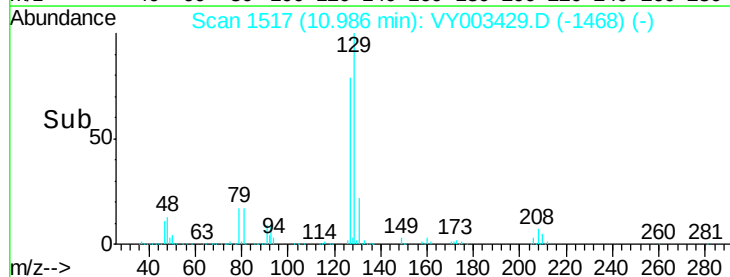
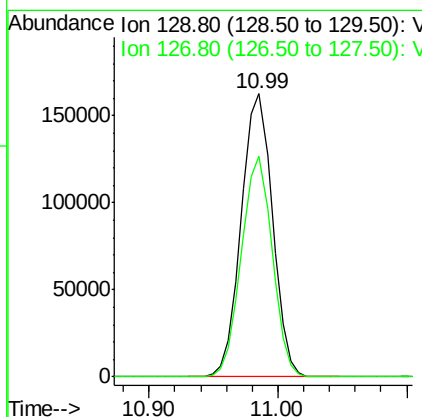
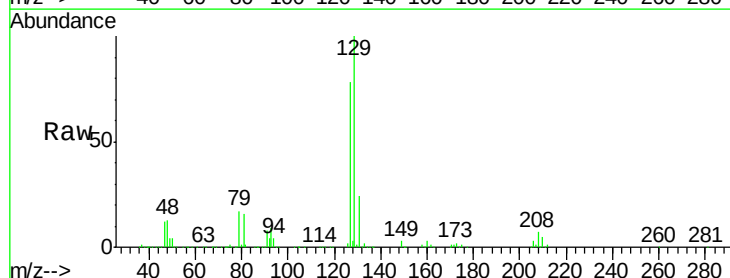
Manual Integrations
APPROVED

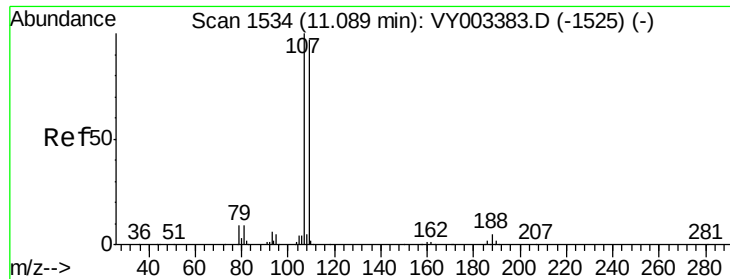
MMDadoda
8/4/2020 1:51:15 PM



#60
Dibromochloromethane
Concen: 54.409 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.7	116.1





#61

1,2-Dibromoethane

Concen: 54.382 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 210904

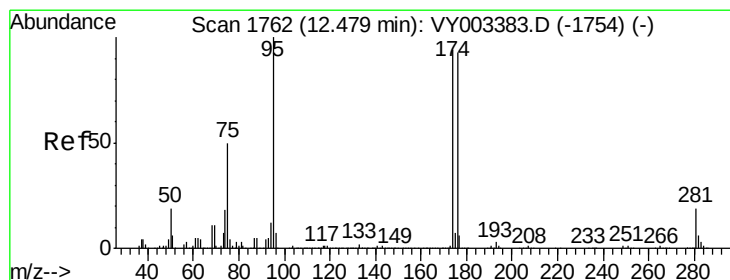
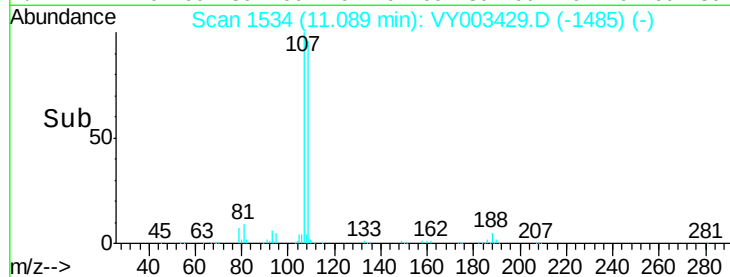
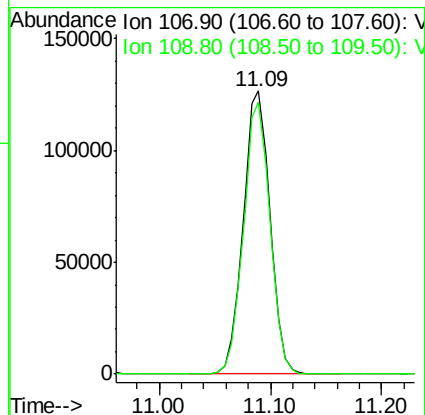
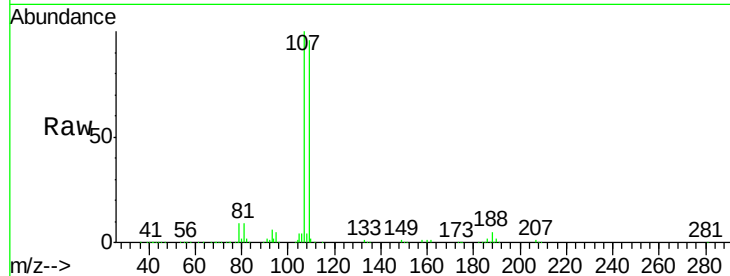
Ion Ratio Lower Upper

107 100

109 95.0 75.5 113.3

Manual Integrations
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8/4/2020 1:51:15 PM



#62

4-Bromofluorobenzene

Concen: 51.665 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

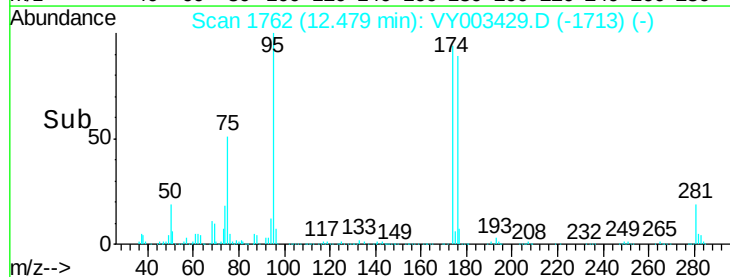
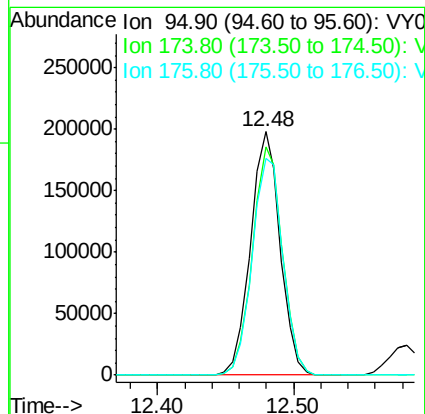
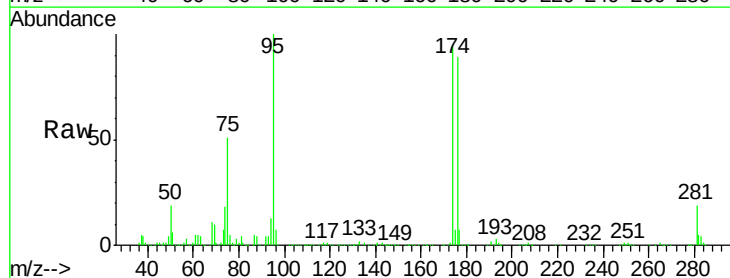
Tgt Ion: 95 Resp: 301232

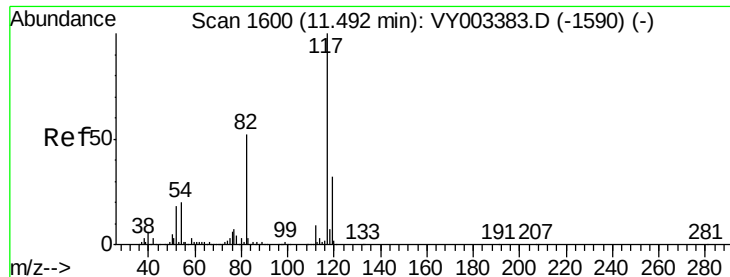
Ion Ratio Lower Upper

95 100

174 94.8 0.0 190.0

176 92.8 0.0 184.4





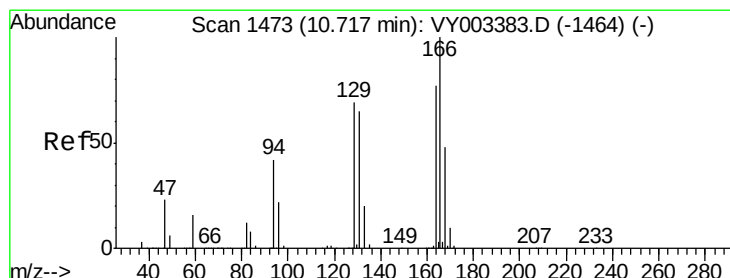
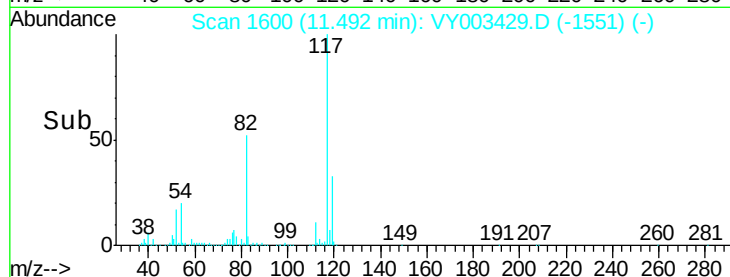
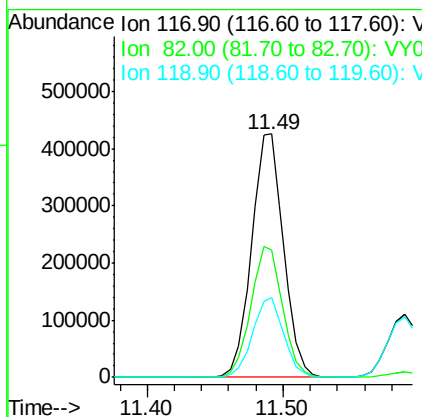
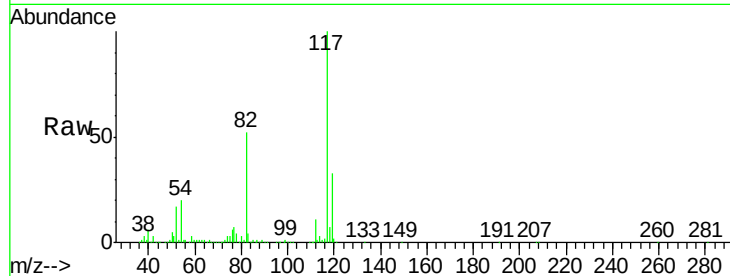
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	699245		
82	52.3		41.9	62.9
119	32.7		25.4	38.0

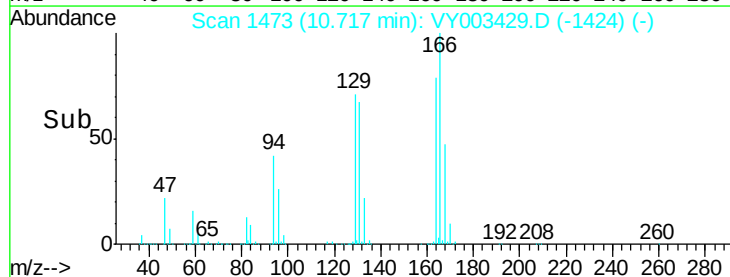
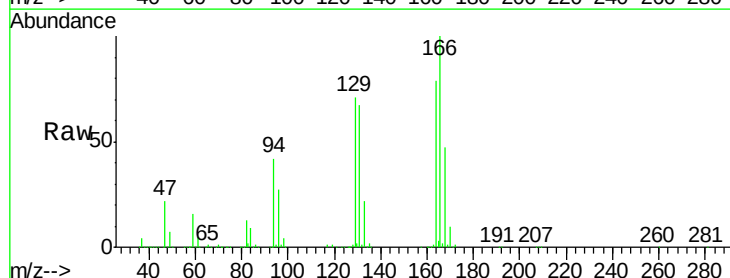
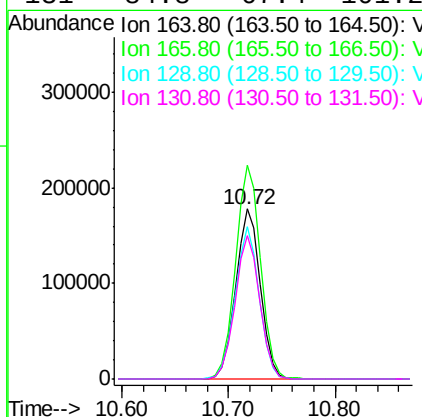
Manual Integrations
APPROVED

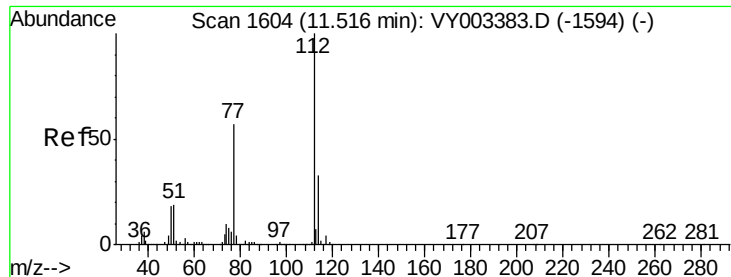
MMDadoda
8/4/2020 1:51:15 PM



#64
Tetrachloroethene
Concen: 49.382 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	288671		
166	125.8		103.3	154.9
129	89.5		71.2	106.8
131	84.8		67.4	101.2





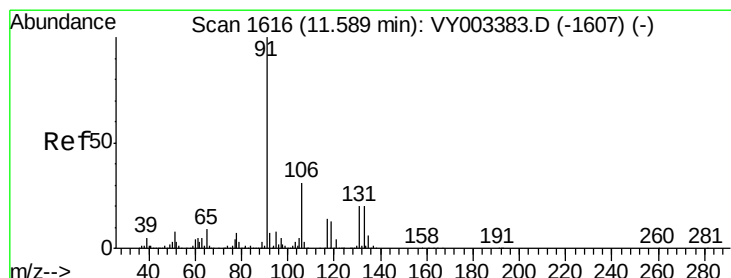
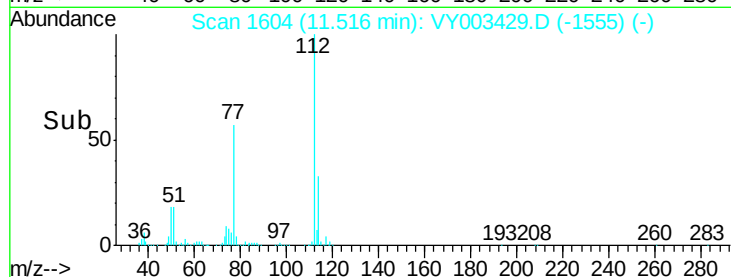
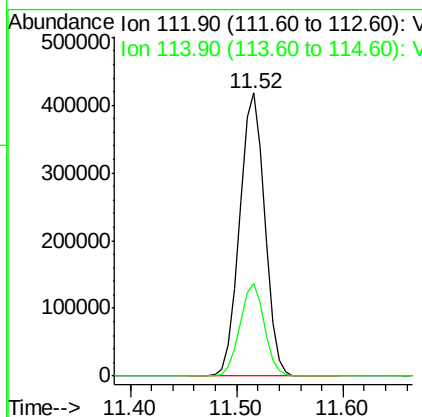
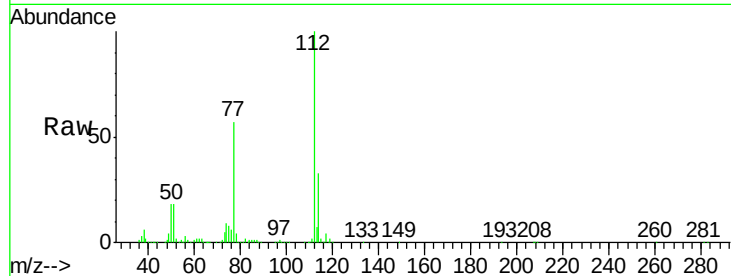
#65
Chlorobenzene
Concen: 50.427 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.1	39.1

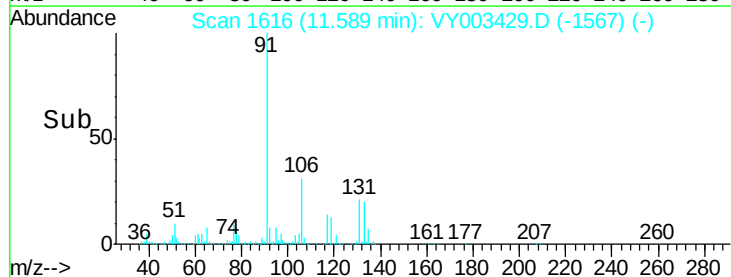
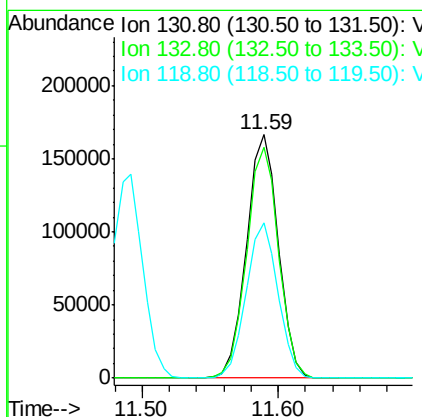
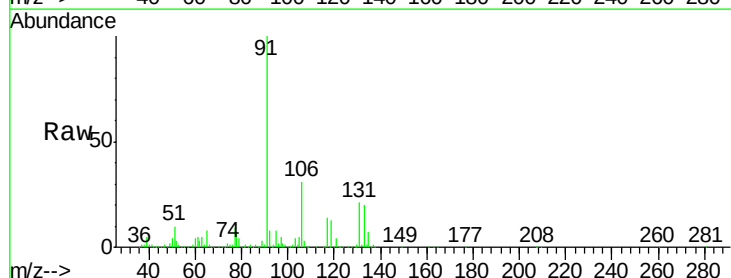
Manual Integrations
APPROVED

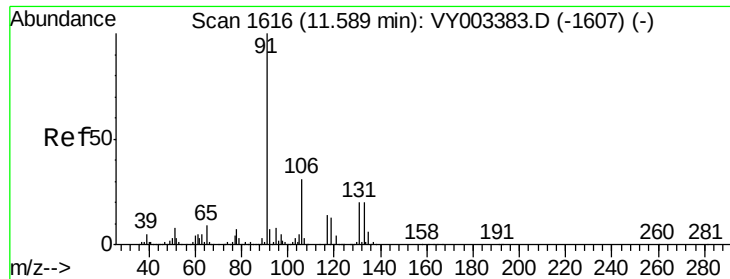
MMDadoda
8/4/2020 1:51:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.281 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.1	144.3
119	63.8	32.0	96.2





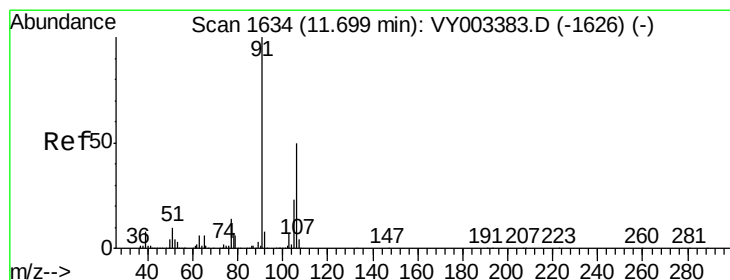
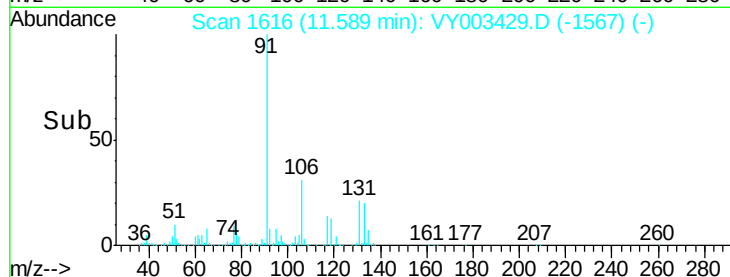
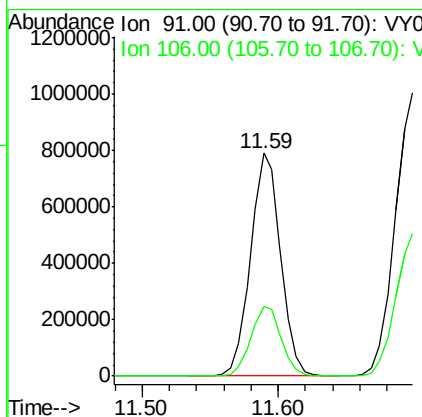
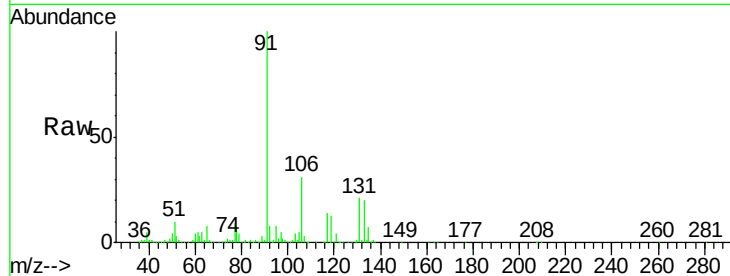
#67
Ethyl Benzene
Concen: 49.399 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1222207
Ion Ratio Lower Upper
91 100
106 31.3 24.4 36.6

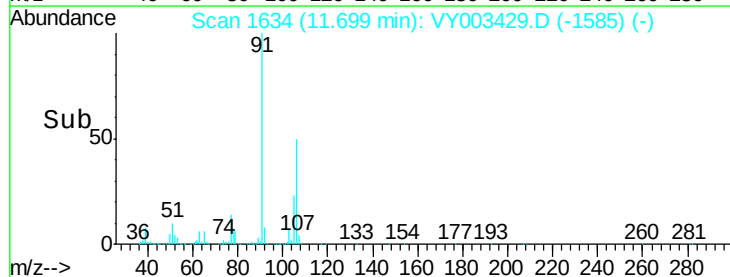
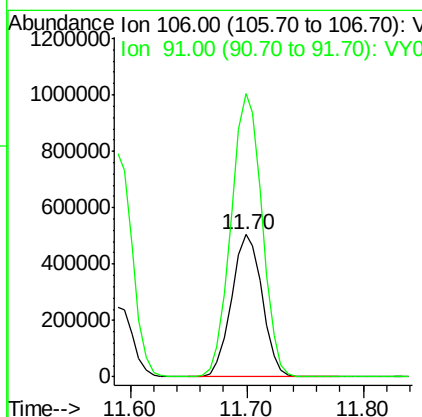
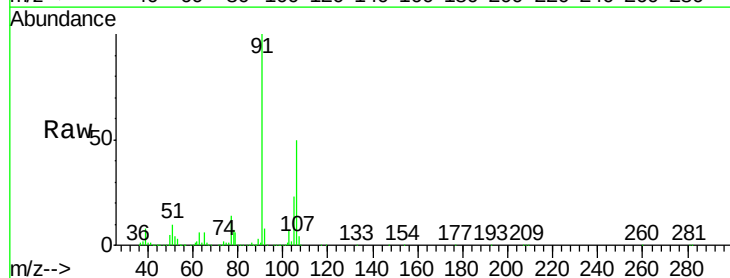
Manual Integrations
APPROVED

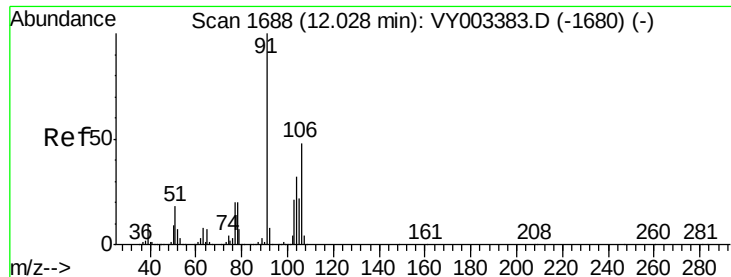
MMDadoda
8/4/2020 1:51:15 PM



#68
m/p-Xylenes
Concen: 99.074 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion: 106 Resp: 924105
Ion Ratio Lower Upper
106 100
91 200.9 161.0 241.6





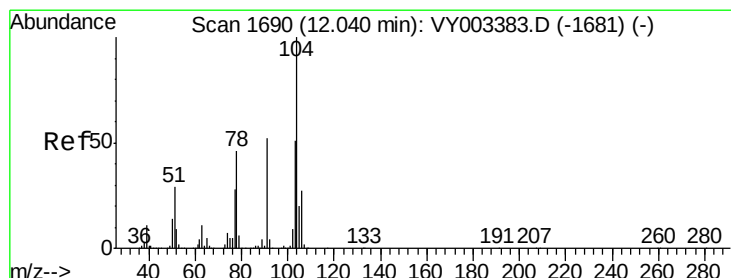
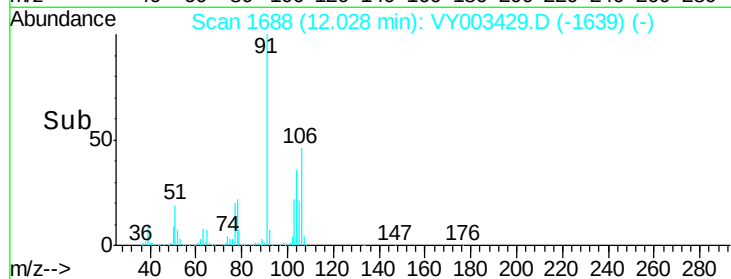
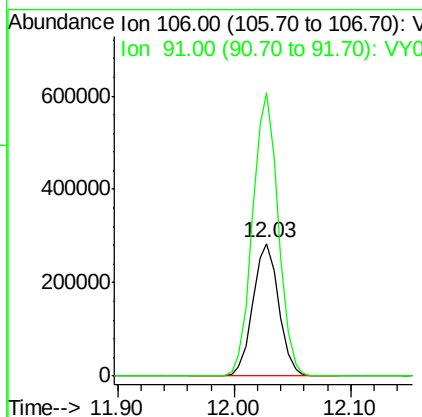
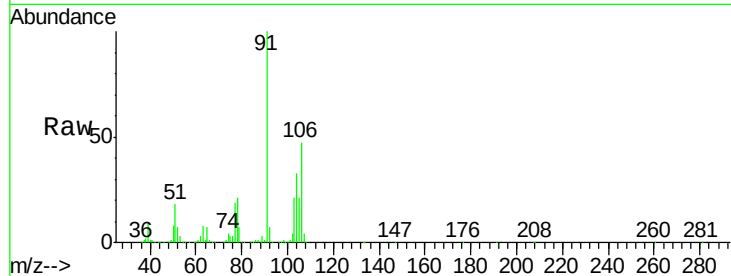
#69
o-Xylene
Concen: 50.450 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.6	104.6	313.7	

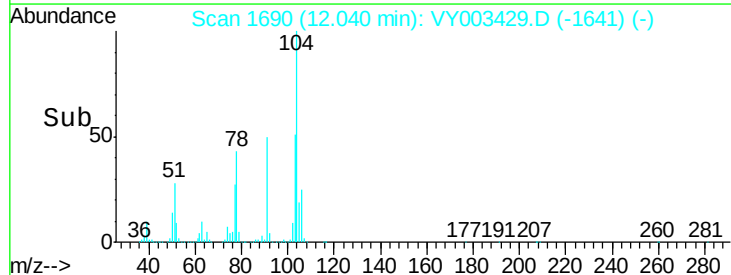
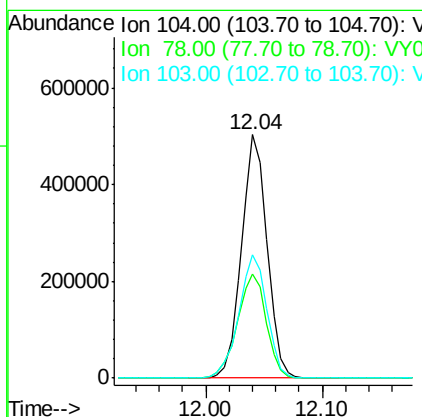
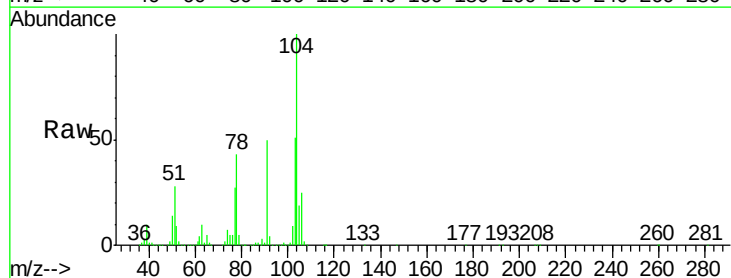
Manual Integrations
APPROVED

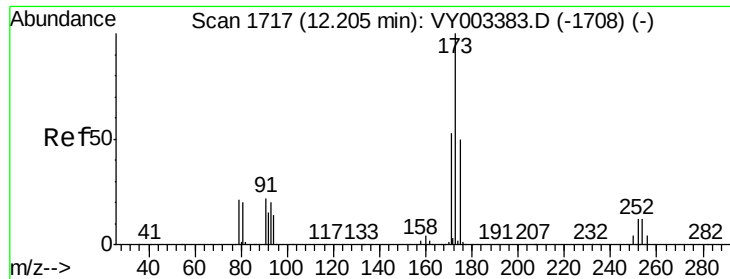
MMDadoda
8/4/2020 1:51:15 PM



#70
Styrene
Concen: 51.631 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	39.3	58.9	
103	55.4	43.7	65.5	





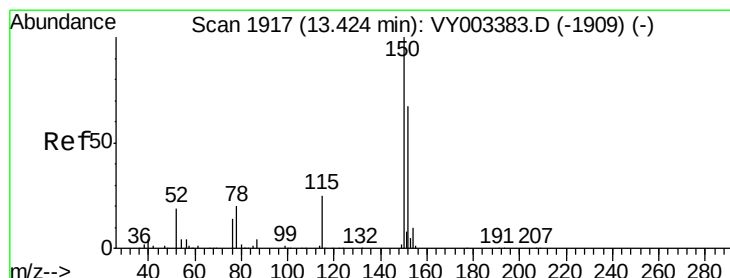
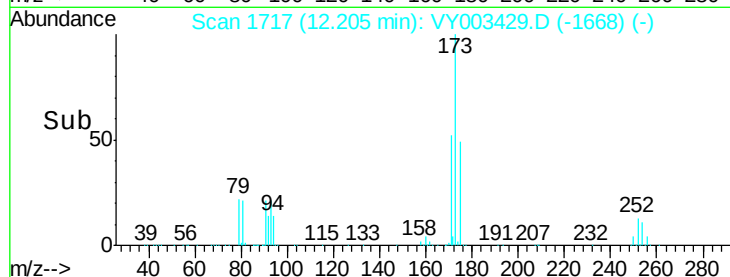
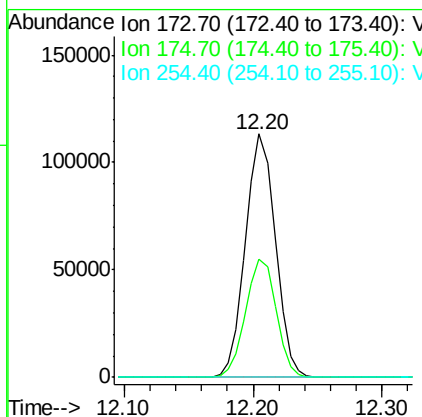
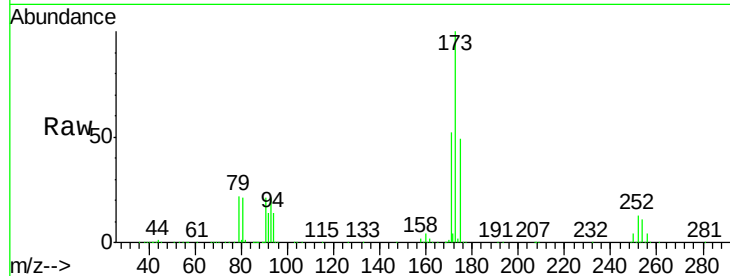
#71
Bromoform
Concen: 52.606 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
173	100	182453		
175	49.4	24.1	72.2	
254	0.3	0.2	0.2#	

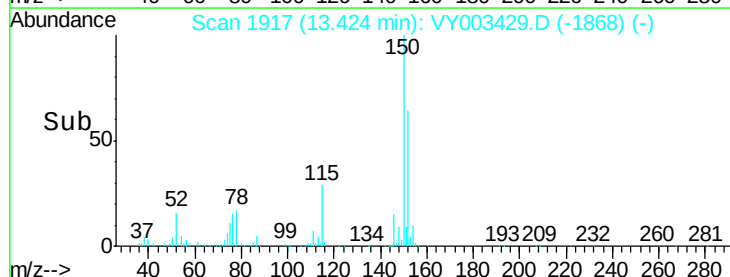
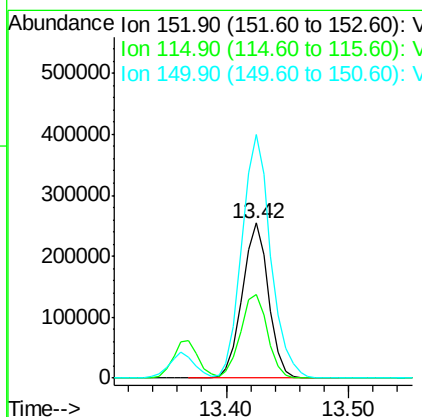
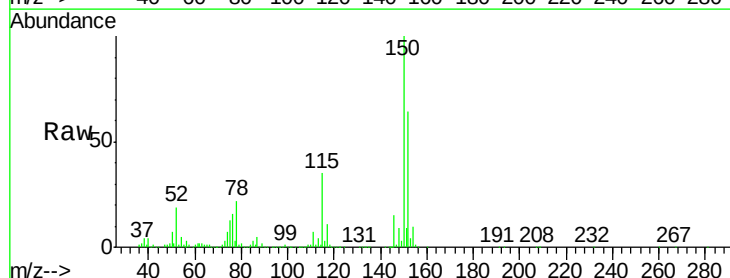
Manual Integrations
APPROVED

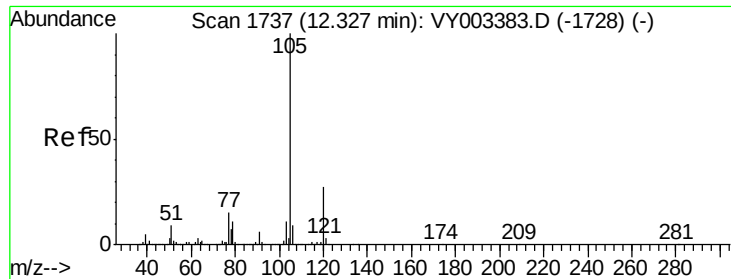
MMDadoda
8/4/2020 1:51:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	374836		
115	55.4	27.2	81.5	
150	173.9	0.0	346.8	





#73

Isopropylbenzene

Concen: 49.229 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1192620

Ion Ratio Lower Upper

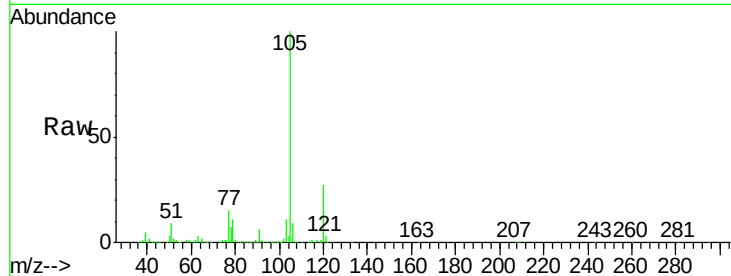
105 100

120 27.2 13.5 40.4

Manual Integrations
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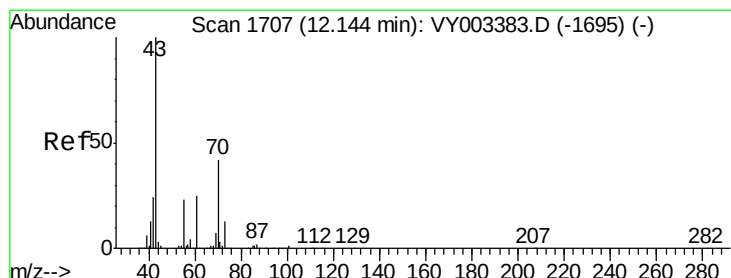
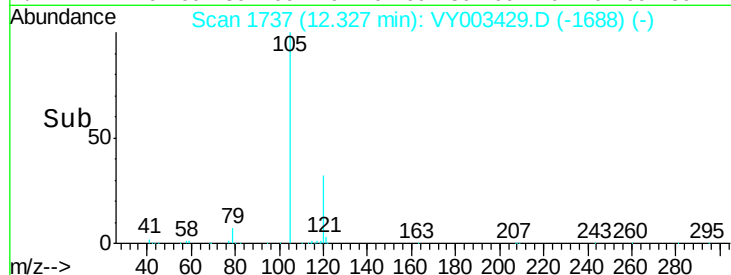
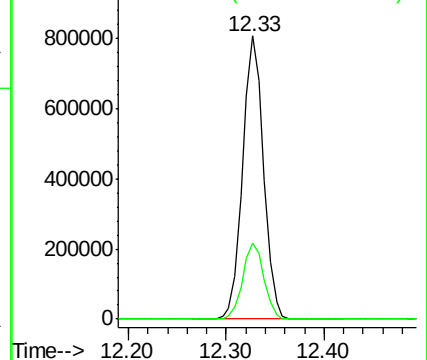
MMDadoda

8/4/2020 1:51:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.886 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Tgt Ion: 43 Resp: 377613

Ion Ratio Lower Upper

43 100

70 43.2 33.6 50.4

55 23.6 18.5 27.7

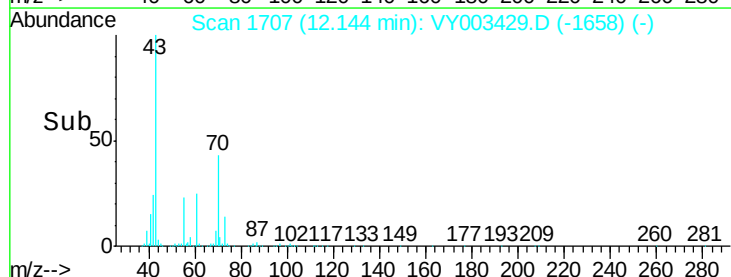
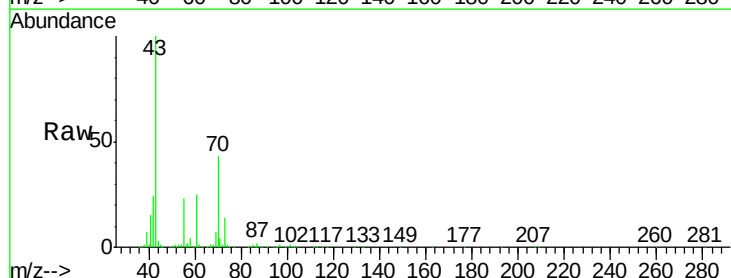
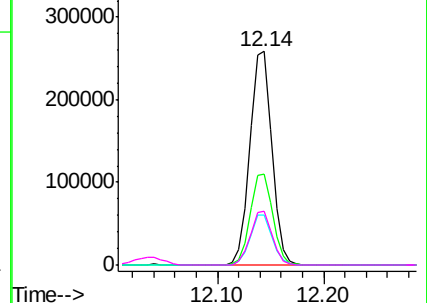
61 25.0 19.8 29.8

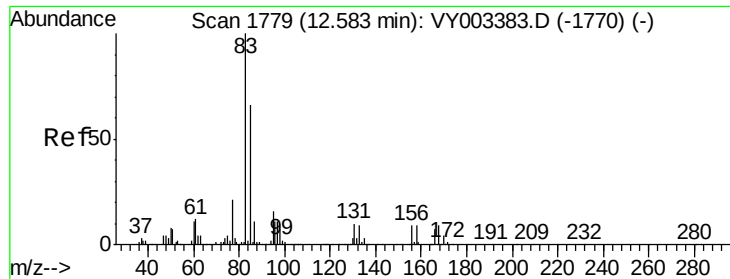
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.776 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

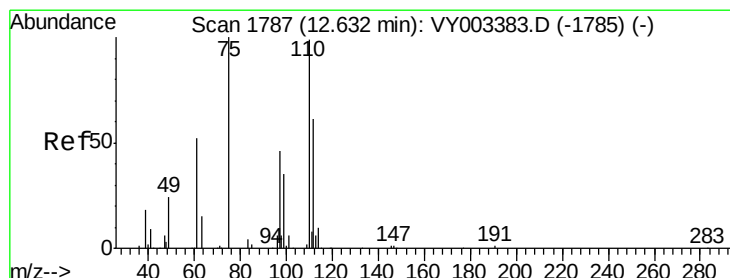
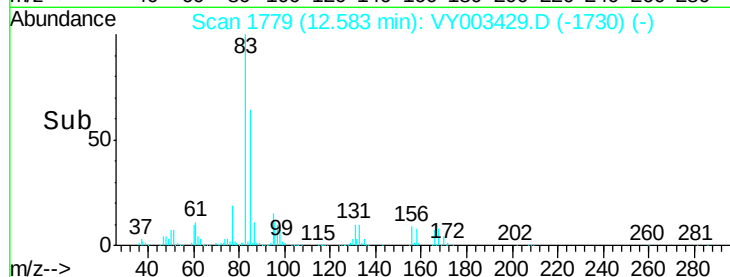
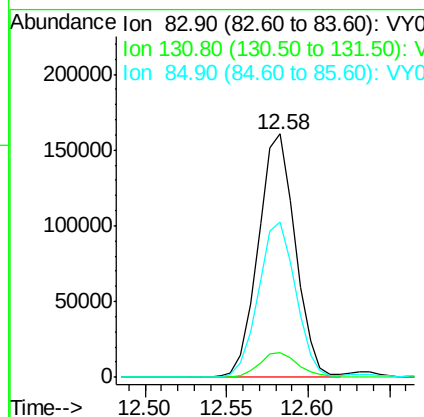
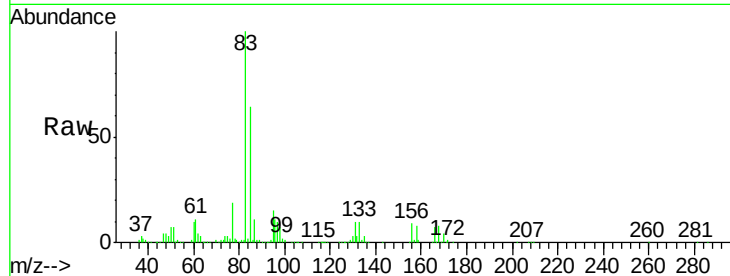
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	253250
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	16.1
85	64.4	31.9	95.5

Manual Integrations
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8/4/2020 1:51:15 PM



#76

1,2,3-Trichloropropane

Concen: 52.185 ug/l m

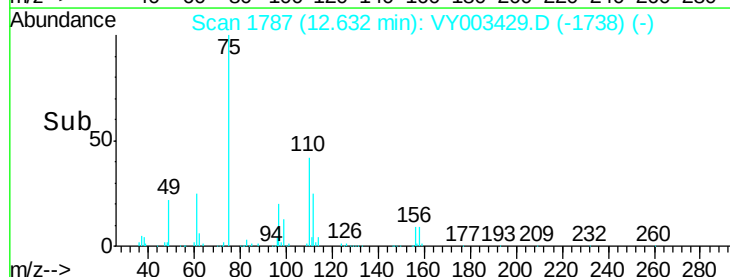
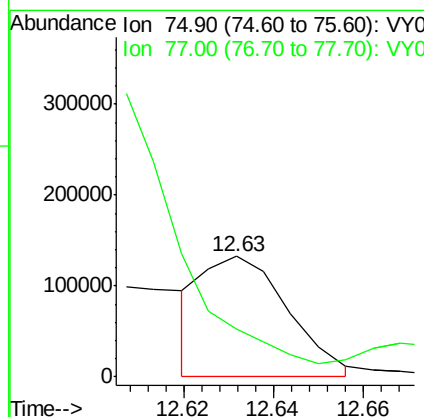
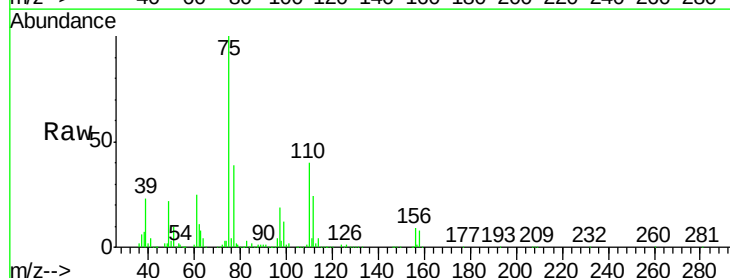
RT: 12.63 min Scan# 1787

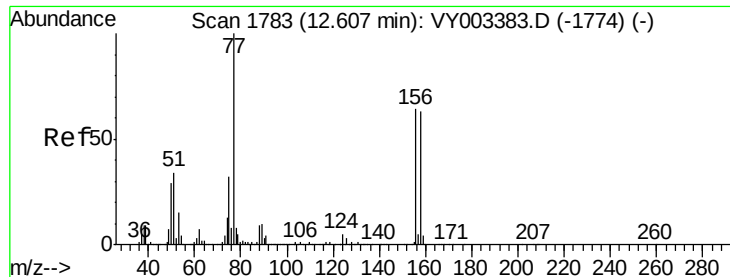
Delta R.T. 0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Tgt Ion:	75	Resp:	175723
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.014 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

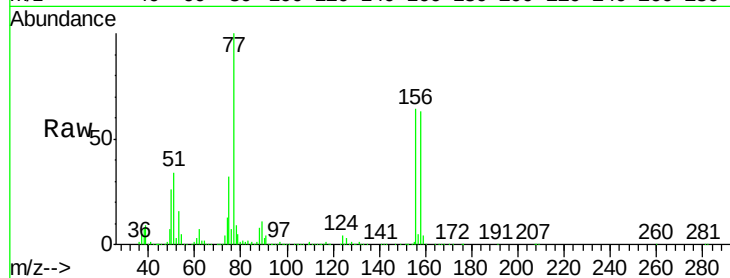
ClientSampleId :

VSTDCCC050EC

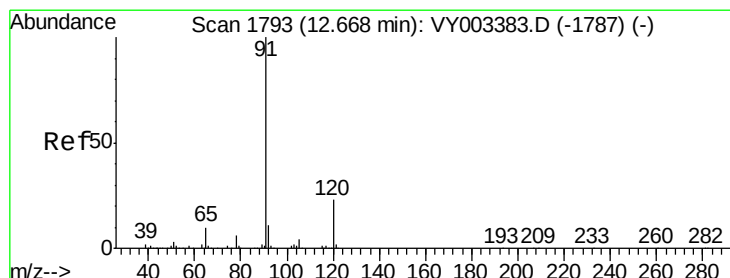
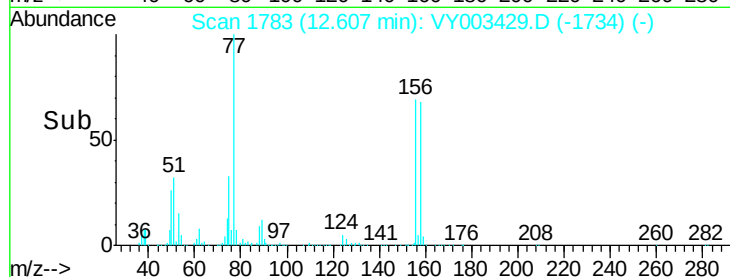
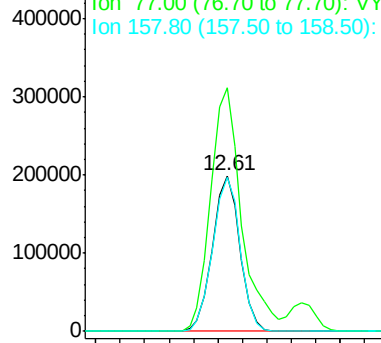
Tot Ion:	156	Resp:	307855
Ion Ratio	Lower	Upper	
156	100		
77	177.7	87.5	262.5
158	99.3	48.7	146.1

Manual Integrations
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8/4/2020 1:51:15 PM



Abundance Ion 155.80 (155.50 to 156.50): VY003383.D (-1774) (-)



#78

n-propylbenzene

Concen: 49.172 ug/l

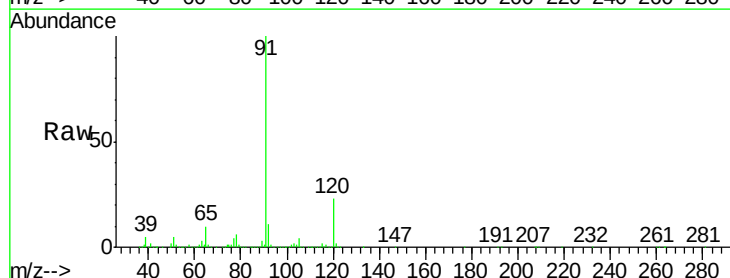
RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

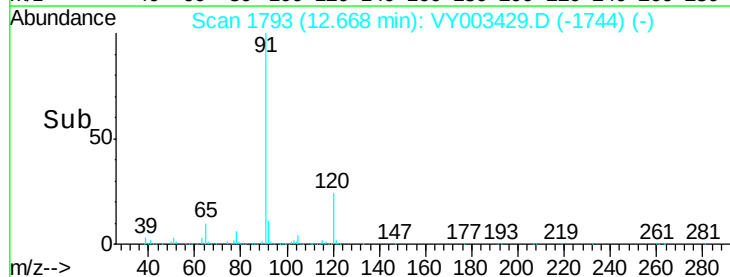
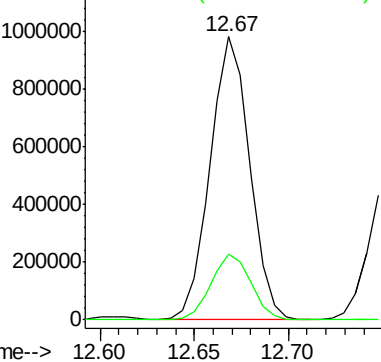
Lab File: VY003429.D

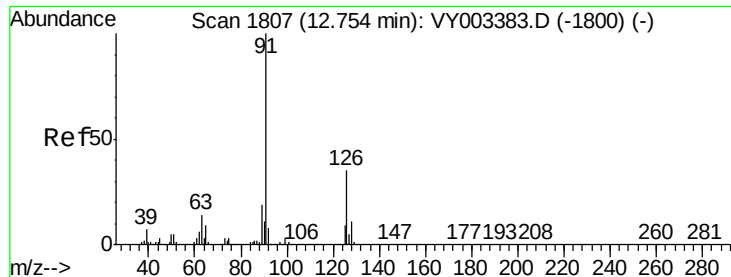
Acq: 03 Aug 2020 20:02

Tgt Ion:	91	Resp:	1425707
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VY003383.D (-1787) (-)





#79

2-Chlorotoluene

Concen: 49.560 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 797293

Ion Ratio Lower Upper

91 100

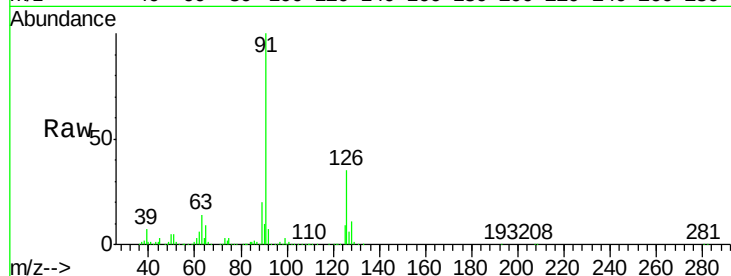
126 35.7 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VY003383.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY003383.D (-1800) (-)

1000000

800000

600000

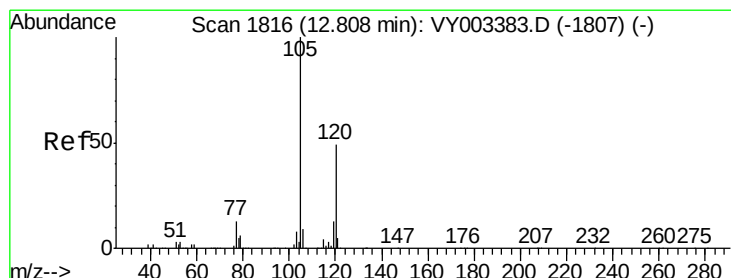
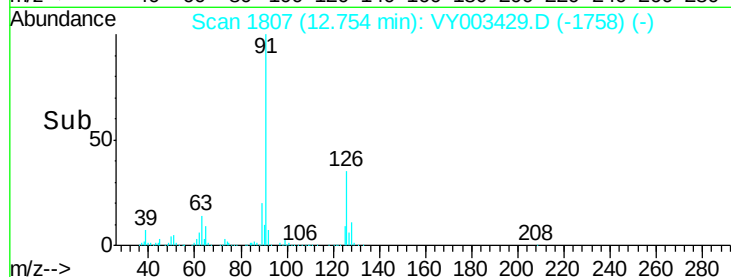
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.999 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003429.D

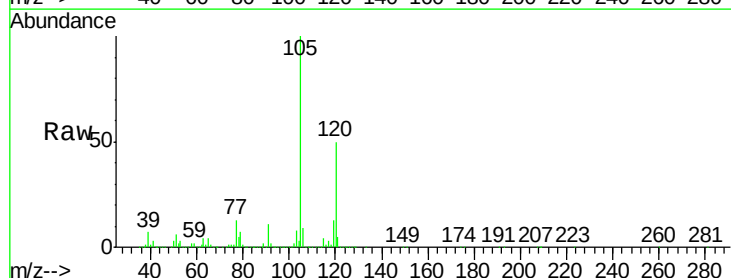
Acq: 03 Aug 2020 20:02

Tgt Ion: 105 Resp: 1016959

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY003383.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY003383.D (-1807) (-)

800000

600000

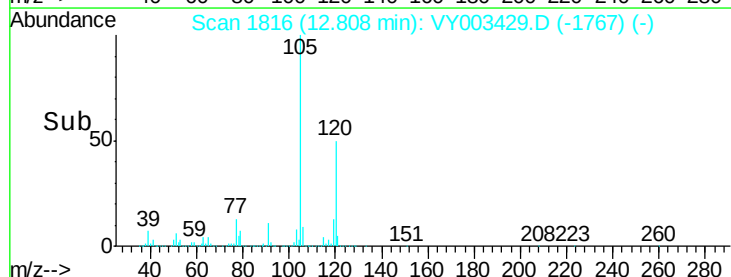
400000

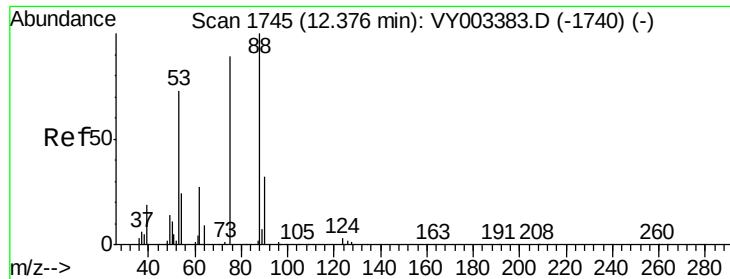
200000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.611 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

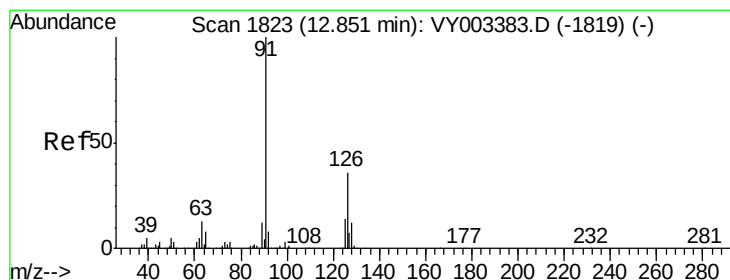
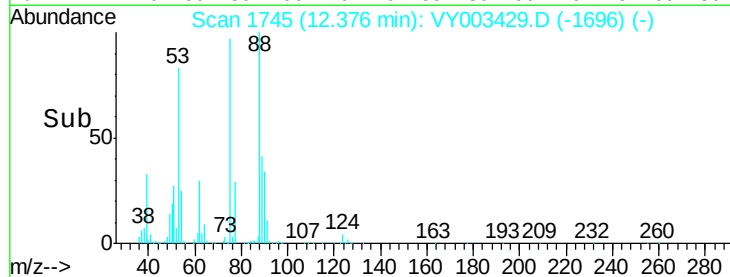
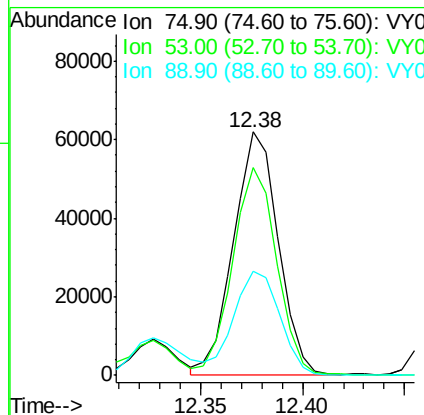
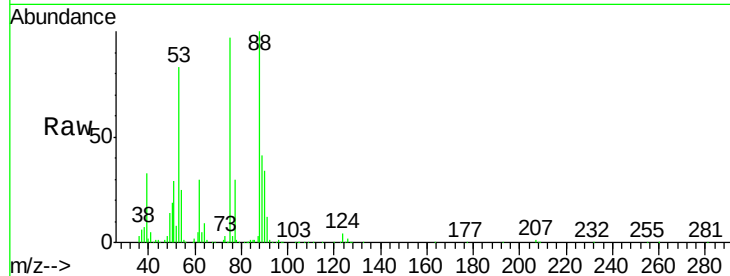
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	93674
Ion	Ratio	Lower	Upper
75	100		
53	85.0	69.5	104.3
89	44.6	33.8	50.6

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#82

4-Chlorotoluene

Concen: 49.584 ug/l

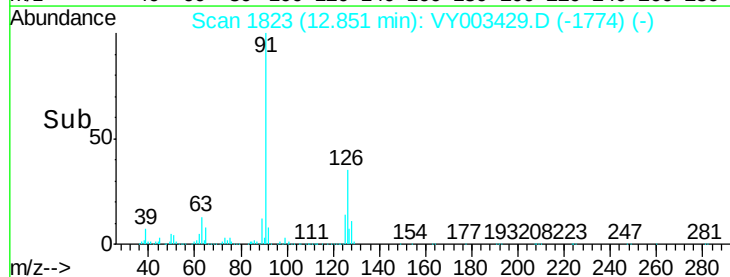
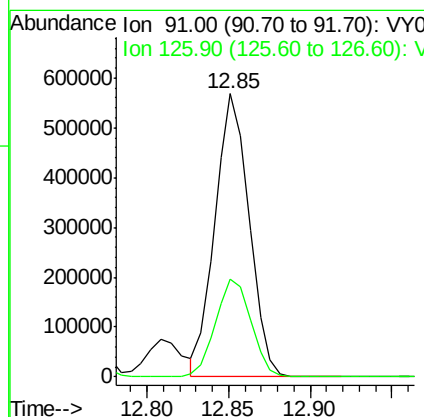
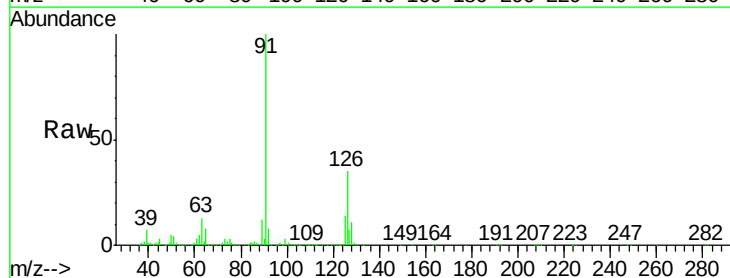
RT: 12.85 min Scan# 1823

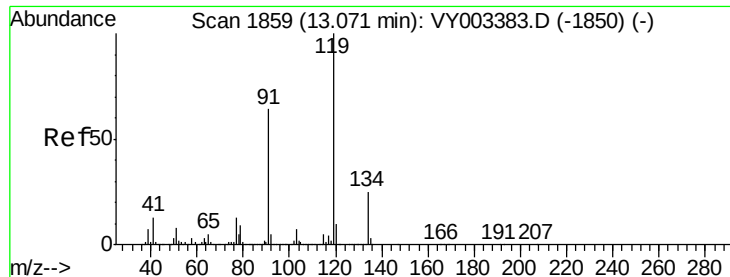
Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Tgt Ion:	91	Resp:	828898
Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.4





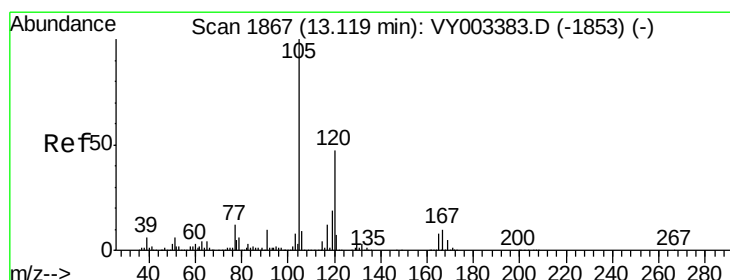
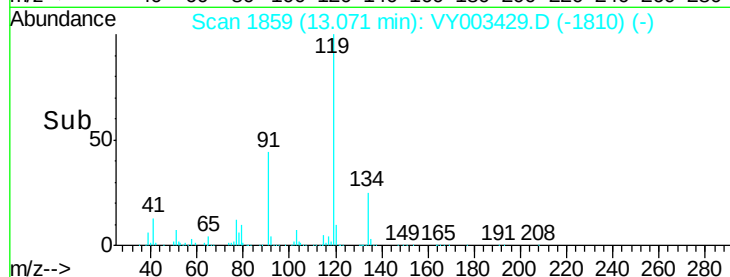
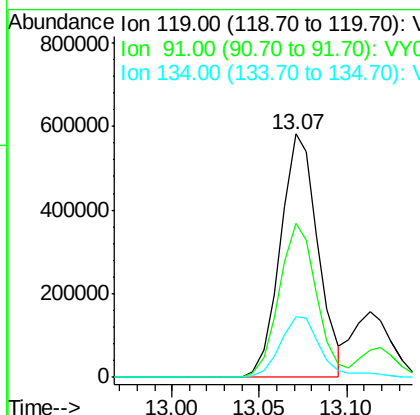
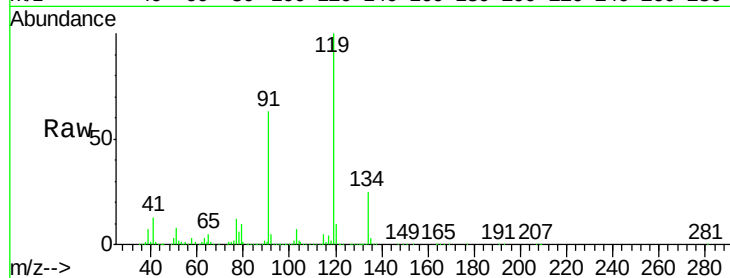
#83
 tert-Butylbenzene
 Concen: 49.424 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.8	95.3
134	27.3	13.6	40.8

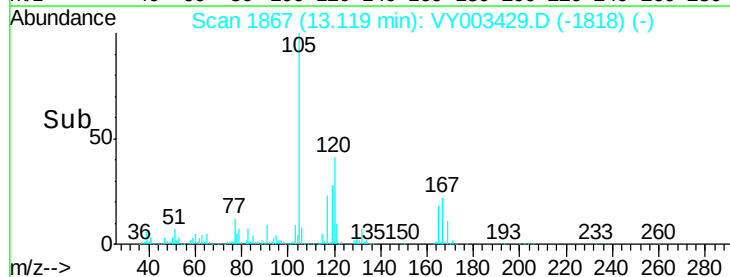
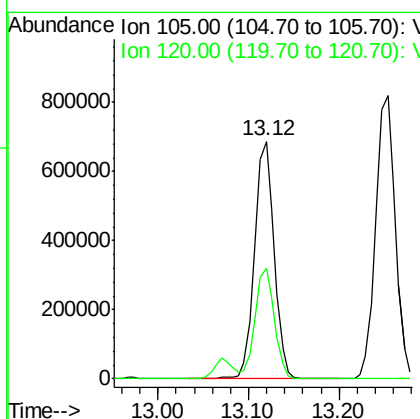
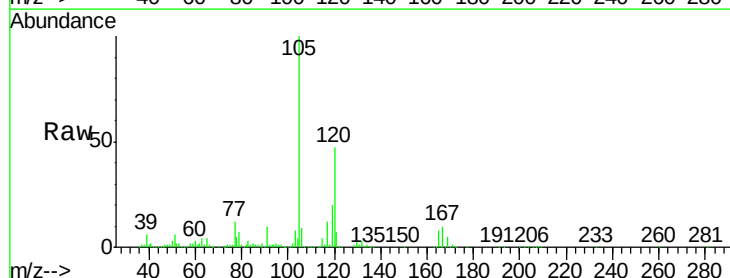
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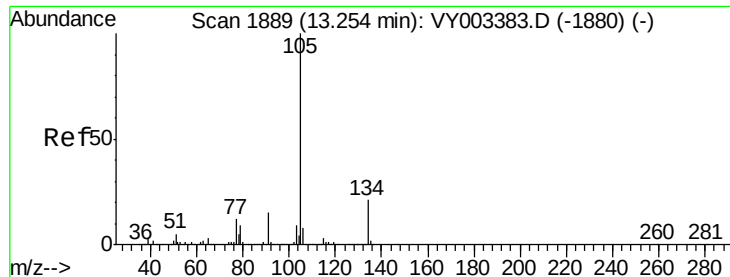
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.269 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.958 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1227110

Ion Ratio Lower Upper

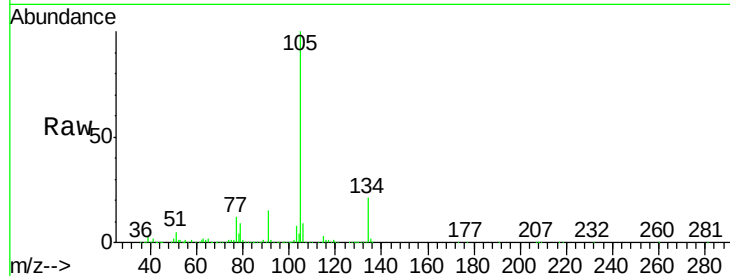
105 100

134 20.8 10.4 31.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

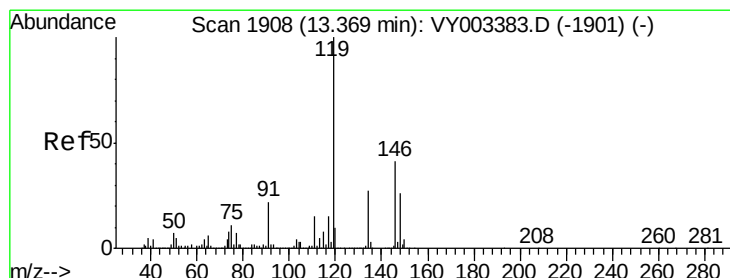
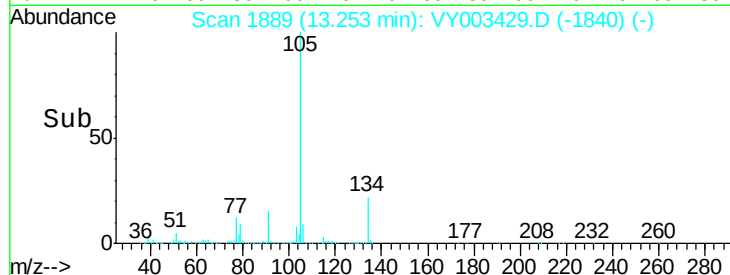
400000

200000

0

13.15 13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 49.927 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

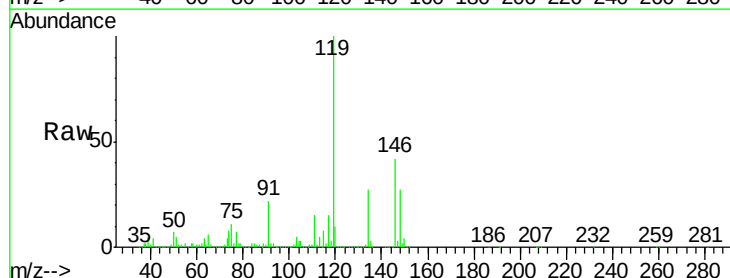
Tgt Ion:119 Resp: 1147001

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.3 11.4 34.1



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

1000000

800000

600000

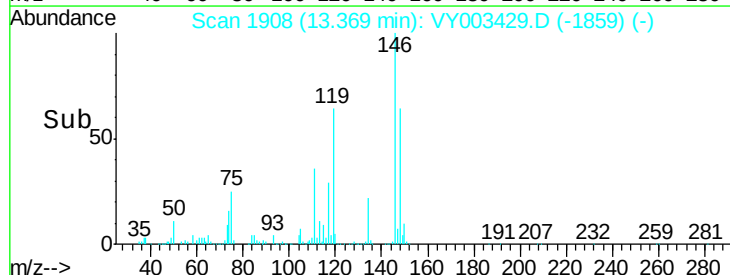
400000

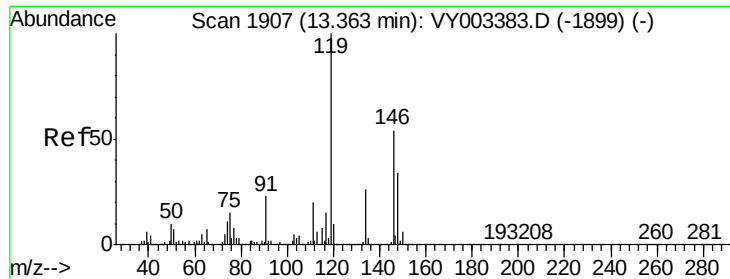
200000

0

13.30 13.35 13.40

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.192 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

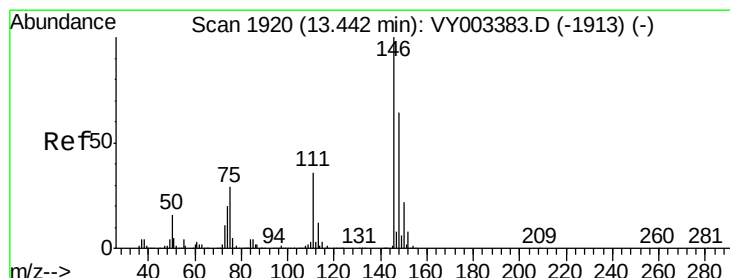
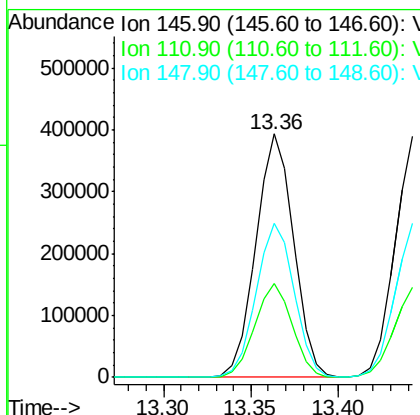
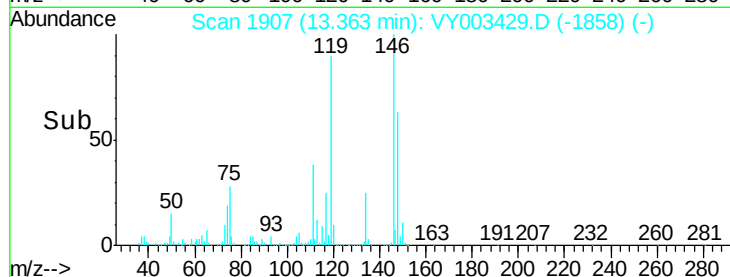
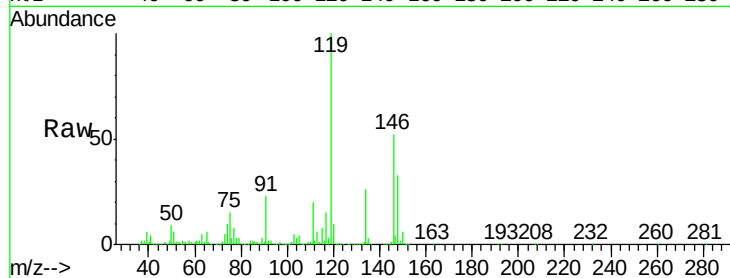
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	590144		
111	38.2	18.8	56.4	
148	63.5	31.9	95.9	

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#88

1,4-Dichlorobenzene

Concen: 49.915 ug/l

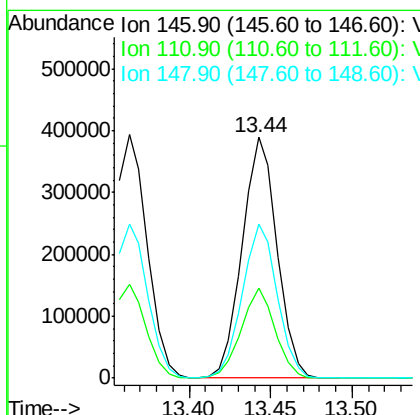
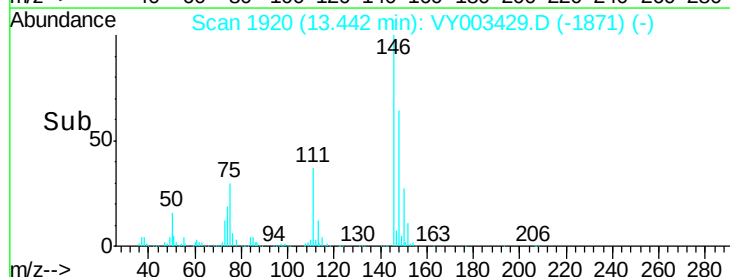
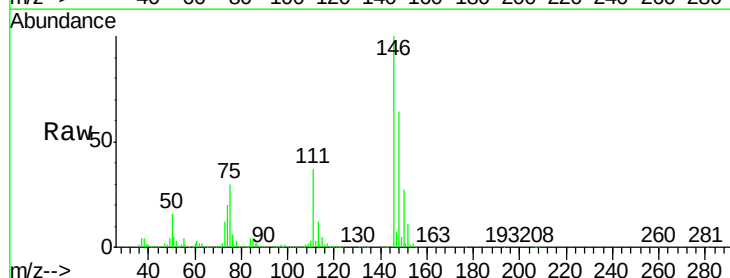
RT: 13.44 min Scan# 1920

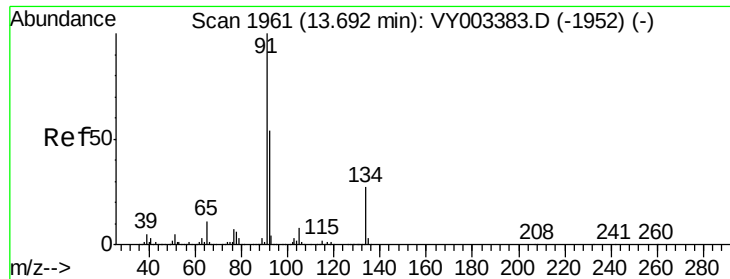
Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	578639		
111	36.4	18.1	54.3	
148	64.2	32.1	96.3	





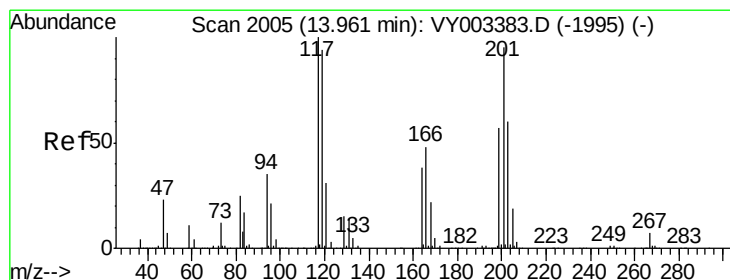
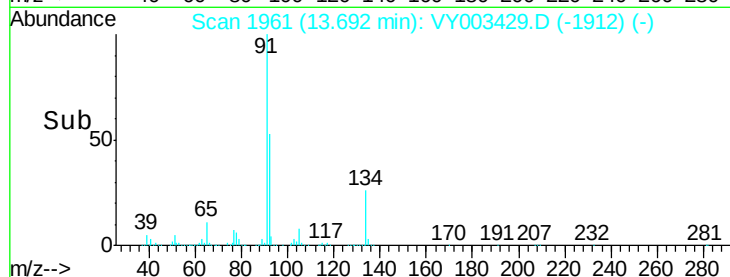
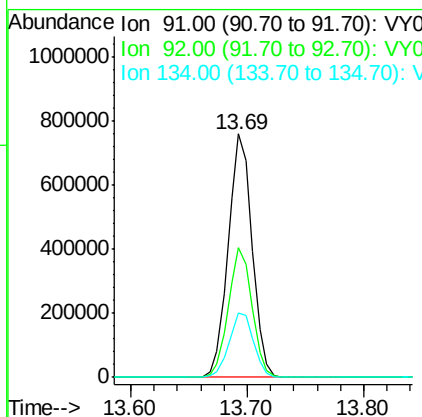
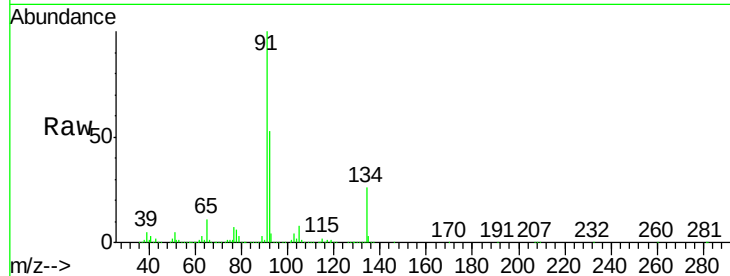
#89
n-Butylbenzene
Concen: 49.573 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	27.0	13.6	40.7

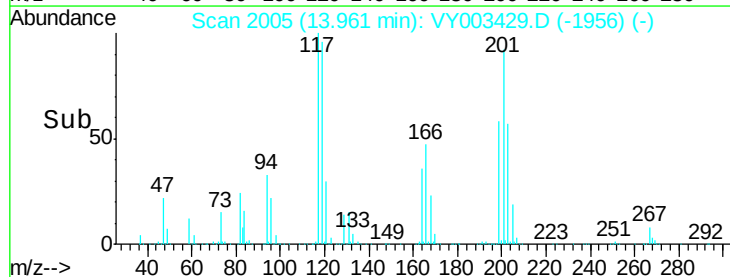
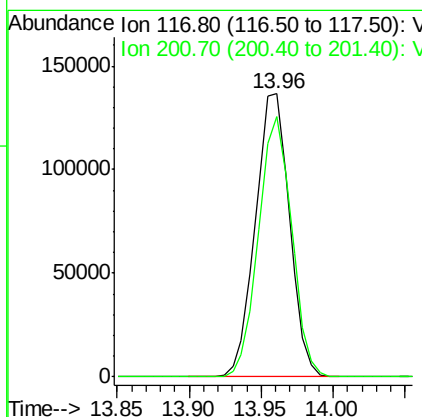
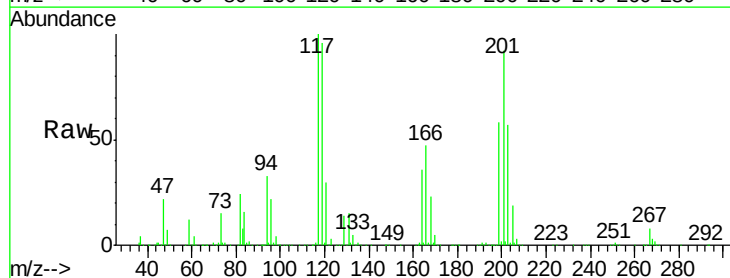
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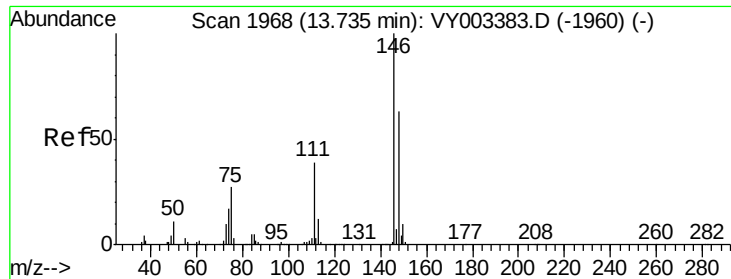
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#90
Hexachloroethane
Concen: 50.838 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003429.D
Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.3	44.7	134.1





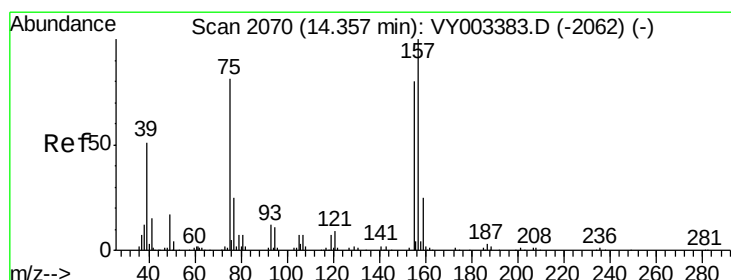
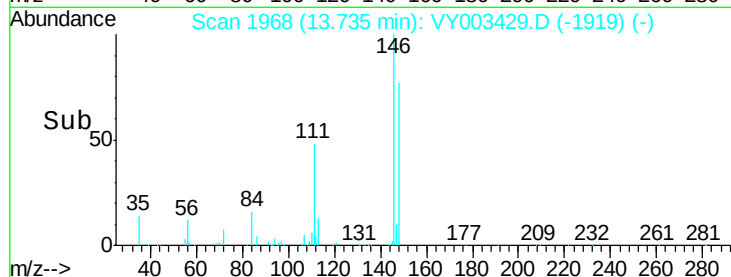
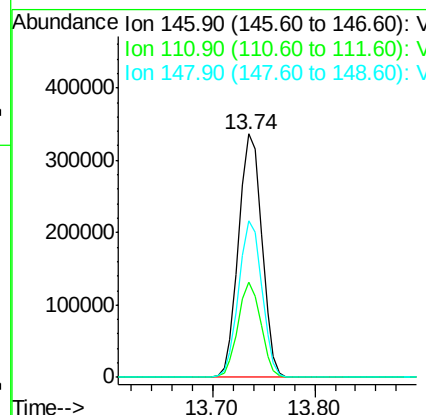
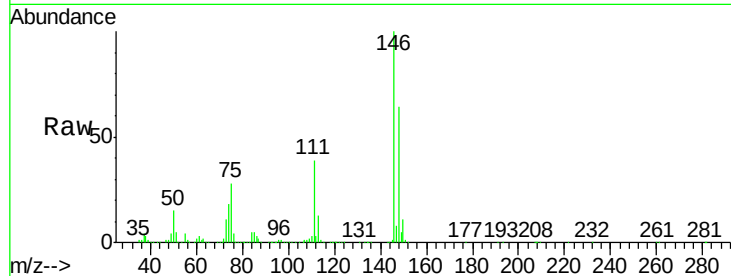
#91
 1,2-Dichlorobenzene
 Concen: 51.148 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.2	57.6
148	64.1	32.1	96.5

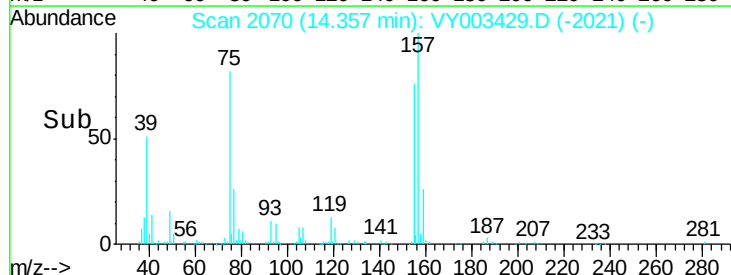
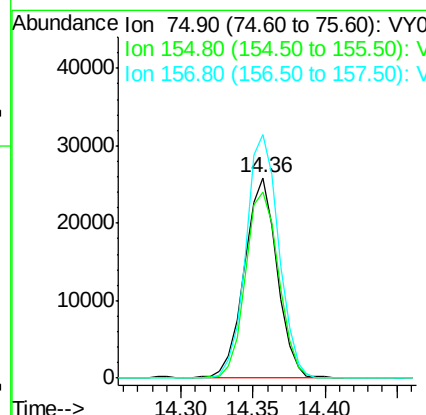
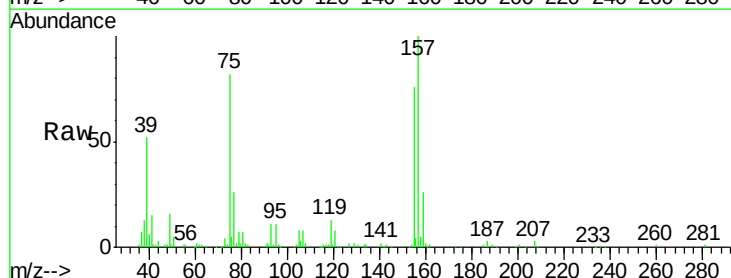
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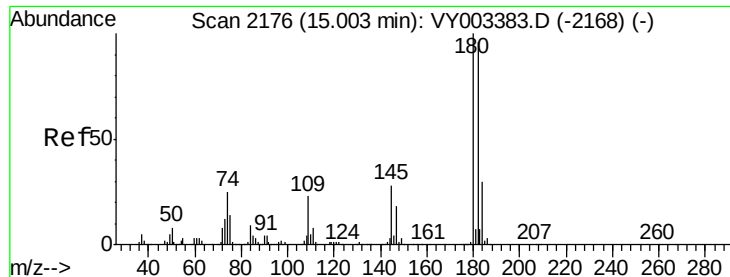
MMDadoda
 8/4/2020 1:51:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.624 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	48.8	146.4
157	121.4	60.9	182.6





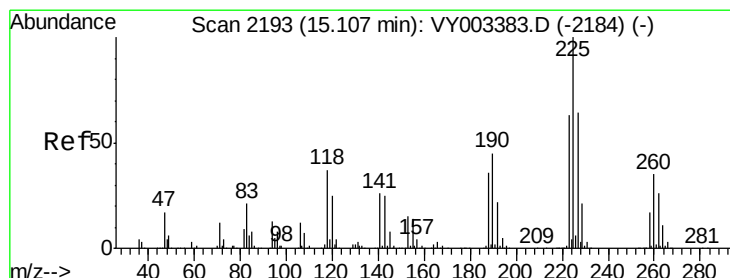
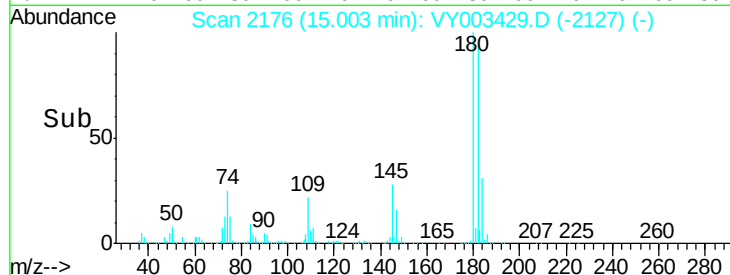
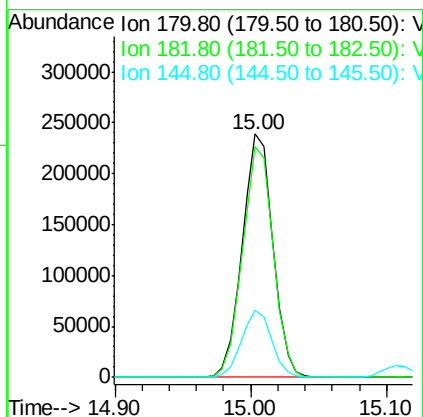
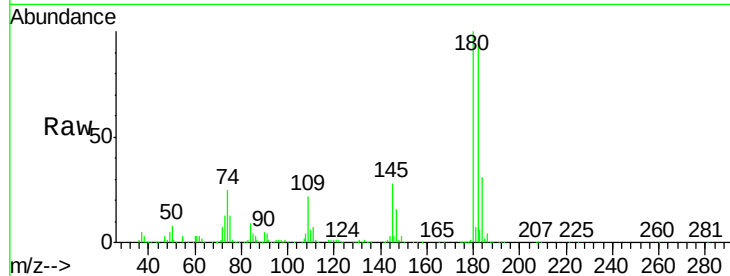
#93
 1,2,4-Trichlorobenzene
 Concen: 51.115 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	375954		
182	95.2	48.2	144.6	
145	27.2	13.8	41.3	

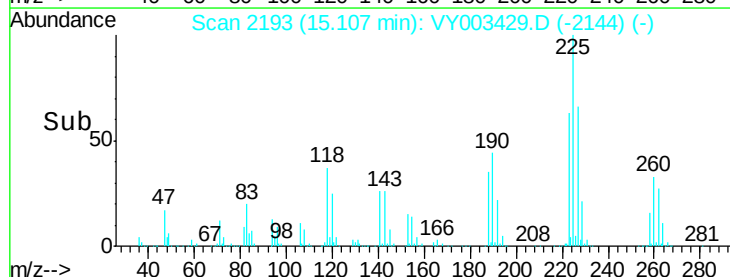
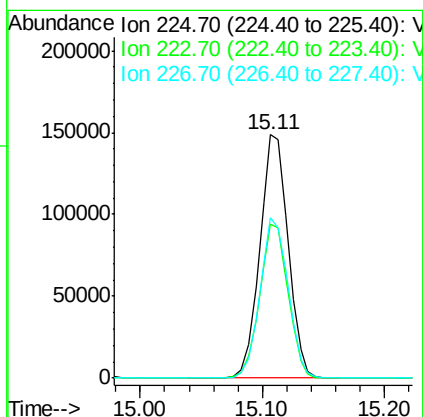
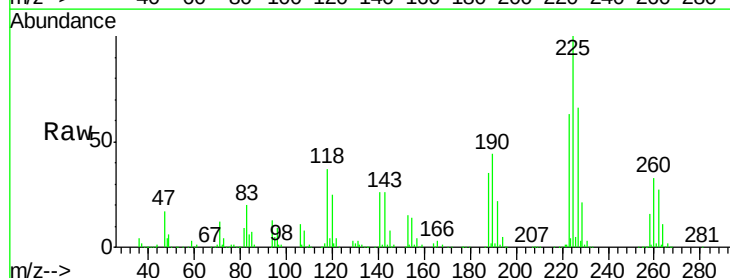
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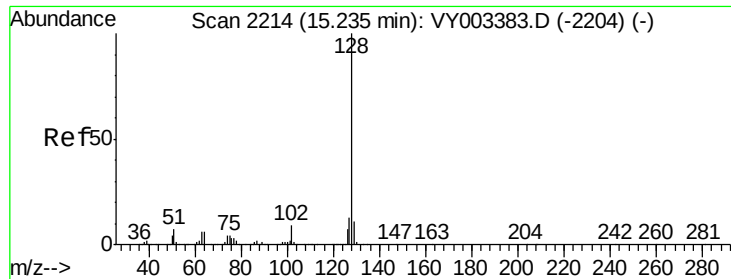
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 8/4/2020 1:51:15 PM



#94
 Hexachlorobutadiene
 Concen: 49.135 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY003429.D
 Acq: 03 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	239333		
223	63.5	31.6	94.8	
227	65.3	32.0	96.2	





#95

Naphthalene

Concen: 53.718 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Instrument :

MSVOA_Y

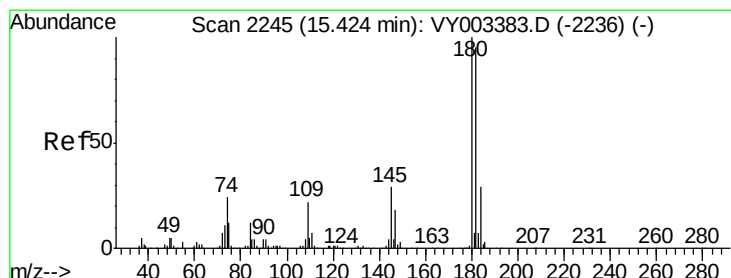
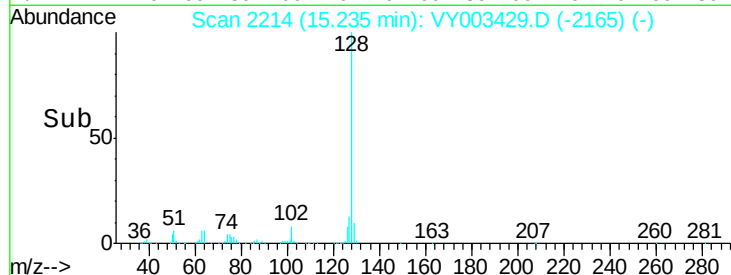
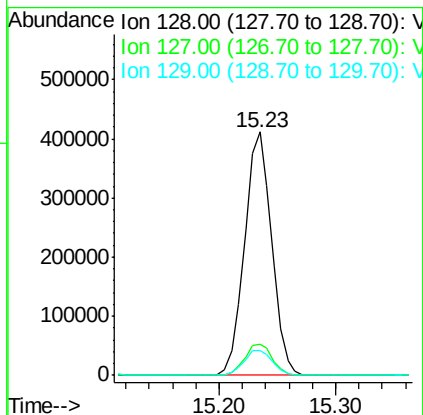
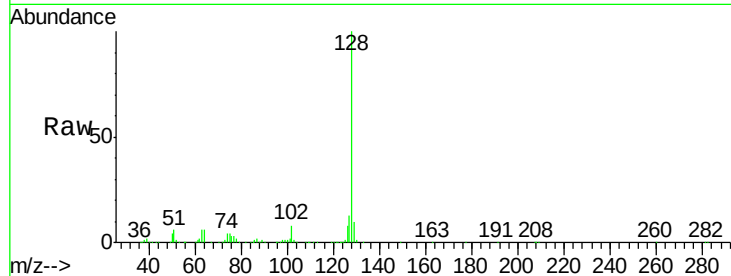
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	669275
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/4/2020 1:51:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.023 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY003429.D

Acq: 03 Aug 2020 20:02

Tgt Ion:	180	Resp:	309565
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.4	142.2
145	29.3	14.5	43.5

