

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003405.D
 Acq On : 03 Aug 2020 10:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/4/2020 1:51:07 PM

Quant Time: Aug 04 01:44:24 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	526535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	759052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	701285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	372990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	265363	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.72	113	243542	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	
50) Toluene-d8	10.18	98	957429	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
62) 4-Bromofluorobenzene	12.48	95	323973	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	184924	42.891	ug/l	99
3) Chloromethane	2.12	50	261785	44.333	ug/l	97
4) Vinyl Chloride	2.26	62	264004	44.537	ug/l	100
5) Bromomethane	2.65	94	205222	46.866	ug/l	97
6) Chloroethane	2.80	64	167252	44.981	ug/l	98
7) Trichlorofluoromethane	3.13	101	364905	45.588	ug/l	99
8) Diethyl Ether	3.54	74	123855	44.436	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	221183	46.262	ug/l	100
10) Methyl Iodide	4.10	142	218284	39.327	ug/l	100
11) Tert butyl alcohol	4.96	59	111365	226.394	ug/l	100
12) 1,1-Dichloroethene	3.88	96	215420	46.446	ug/l	96
13) Acrolein	3.74	56	118400	224.705	ug/l	98
14) Allyl chloride	4.49	41	358332	46.127	ug/l	99
15) Acrylonitrile	5.17	53	319485	231.024	ug/l	99
16) Acetone	3.95	43	321215	259.681	ug/l	100
17) Carbon Disulfide	4.19	76	695862	46.022	ug/l	100
18) Methyl Acetate	4.48	43	142456	43.651	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	598434	46.675	ug/l	97
20) Methylene Chloride	4.72	84	266025	41.391	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	242345	46.221	ug/l	92
22) Diisopropyl ether	6.13	45	760677	46.607	ug/l	96
23) Vinyl Acetate	6.07	43	2541165	237.665	ug/l	99
24) 1,1-Dichloroethane	6.02	63	427530	46.744	ug/l	99
25) 2-Butanone	6.99	43	451991	239.780	ug/l	99
26) 2,2-Dichloropropane	6.99	77	381150	46.703	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	264620	45.929	ug/l	98
28) Bromochloromethane	7.34	49	177667	49.938	ug/l	99
29) Tetrahydrofuran	7.35	42	284439	231.275	ug/l	99
30) Chloroform	7.51	83	424128	46.752	ug/l	98
31) Cyclohexane	7.78	56	392124	44.187	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	382284	46.186	ug/l	99
36) 1,1-Dichloropropene	7.93	75	343080	47.763	ug/l	99
37) Ethyl Acetate	7.08	43	197073	48.251	ug/l	99
38) Carbon Tetrachloride	7.90	117	355132	48.047	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	416677	47.542	ug/l	99
40) Benzene	8.16	78	949475	47.641	ug/l	100
41) Methacrylonitrile	7.33	41	111153m	47.471	ug/l	
42) 1,2-Dichloroethane	8.24	62	286834	47.255	ug/l	99
43) Isopropyl Acetate	8.28	43	363163	47.109	ug/l	99
44) Trichloroethene	8.94	130	271617	47.387	ug/l	99
45) 1,2-Dichloropropane	9.22	63	248665	47.644	ug/l	99
46) Dibromomethane	9.30	93	136214	46.517	ug/l	99
47) Bromodichloromethane	9.50	83	338981	48.040	ug/l	99
48) Methyl methacrylate	9.29	41	169086	48.591	ug/l	99
49) 1,4-Dioxane	9.30	88	35594	939.164	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	965044	238.876	ug/l	100
52) Toluene	10.24	92	596906	47.754	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	362234	48.368	ug/l	98
54) cis-1,3-Dichloropropene	9.92	75	409877	48.293	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	196396	47.816	ug/l	97
56) Ethyl methacrylate	10.51	69	275204	48.398	ug/l	97
57) 1,3-Dichloropropane	10.79	76	340199	47.659	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	684558	259.914	ug/l	99
59) 2-Hexanone	10.83	43	705862	250.708	ug/l	100
60) Dibromochloromethane	10.99	129	250347	48.535	ug/l	99
61) 1,2-Dibromoethane	11.09	107	188851	47.460	ug/l	99
64) Tetrachloroethene	10.72	164	273847	46.710	ug/l	98
65) Chlorobenzene	11.52	112	653980	47.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	254930	47.626	ug/l	100
67) Ethyl Benzene	11.59	91	1187841	47.870	ug/l	99
68) m/p-Xylenes	11.70	106	896481	95.833	ug/l	99
69) o-Xylene	12.03	106	422787	48.280	ug/l	100
70) Styrene	12.04	104	730710	48.767	ug/l	99
71) Bromoform	12.20	173	165362	47.539	ug/l	98
73) Isopropylbenzene	12.33	105	1159807	48.112	ug/l	100
74) N-amyl acetate	12.14	43	343269	48.314	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	229620	48.089	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	161358m	48.156	ug/l	
77) Bromobenzene	12.61	156	294586	48.095	ug/l	99
78) n-propylbenzene	12.67	91	1391298	48.222	ug/l	99
79) 2-Chlorotoluene	12.75	91	760881	47.531	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	973110	48.080	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	84874	47.905	ug/l #	74
82) 4-Chlorotoluene	12.85	91	801524	48.184	ug/l	99
83) tert-Butylbenzene	13.07	119	868180	49.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	977048	48.029	ug/l	100
85) sec-Butylbenzene	13.25	105	1186304	48.536	ug/l	99
86) p-Isopropyltoluene	13.37	119	1111509	48.621	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	561628	48.003	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	553894	48.017	ug/l	100
89) n-Butylbenzene	13.69	91	1053089	48.745	ug/l	100
90) Hexachloroethane	13.96	117	212973	48.632	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	495508	47.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	35199	45.756	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	352746	48.197	ug/l	98
94) Hexachlorobutadiene	15.11	225	229476	47.345	ug/l	100
95) Naphthalene	15.23	128	592354	47.780	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	281161	47.483	ug/l	99

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

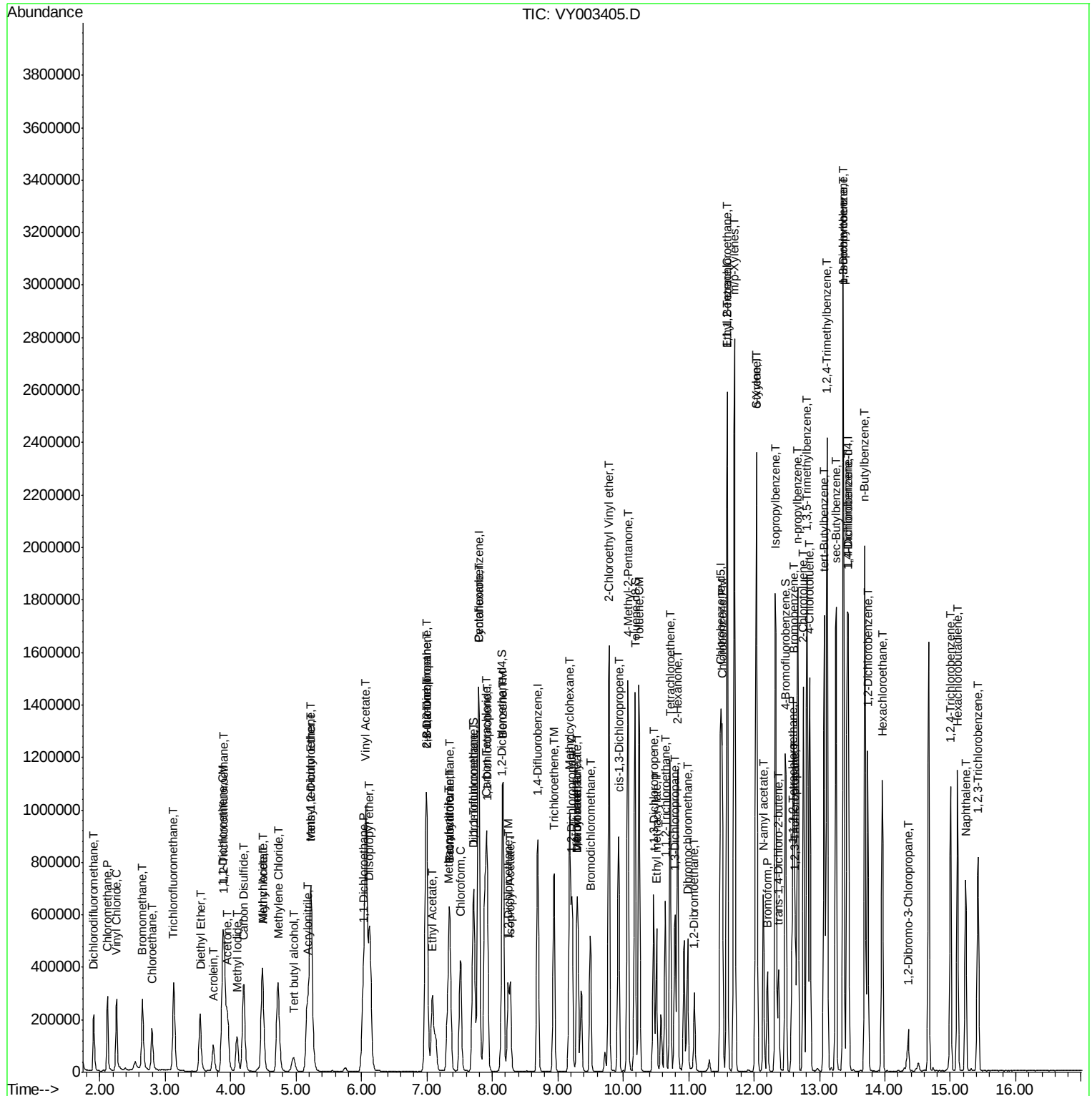
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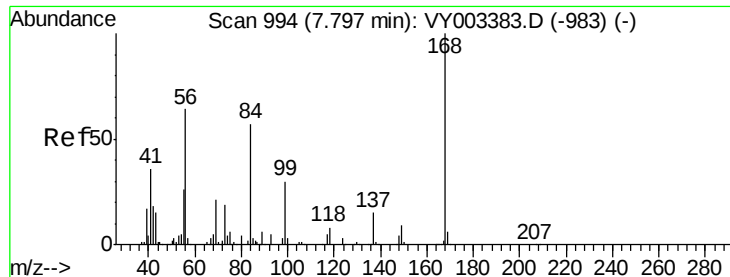
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 526535

Ion Ratio Lower Upper

168 100

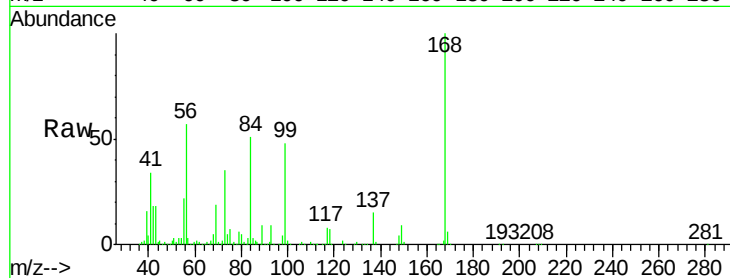
99 47.8 38.8 58.2

Manual Integrations

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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

250000

200000

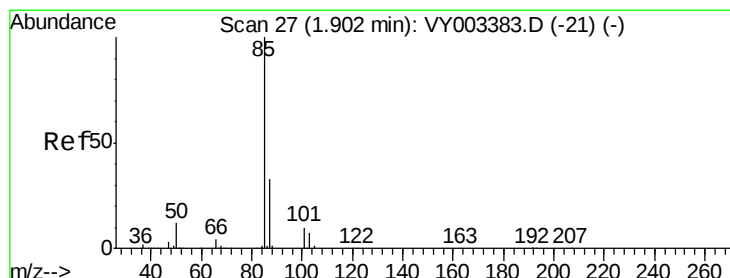
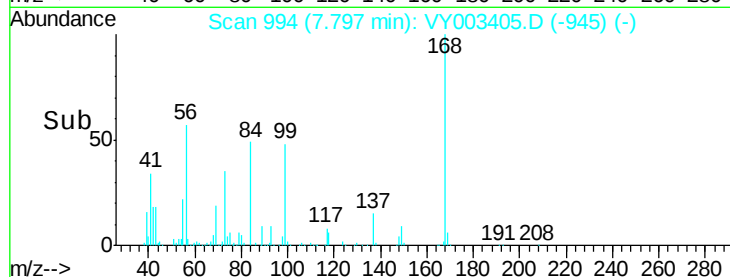
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.891 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003405.D

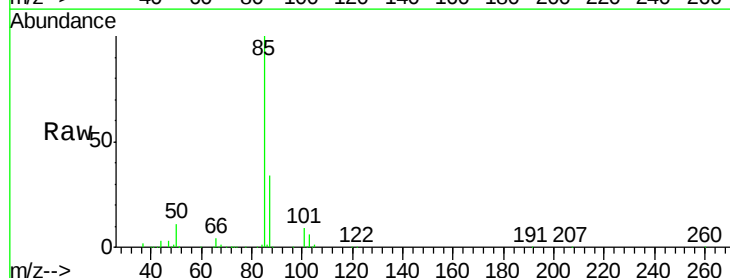
Acq: 03 Aug 2020 10:03

Tgt Ion: 85 Resp: 184924

Ion Ratio Lower Upper

85 100

87 33.5 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) (-)

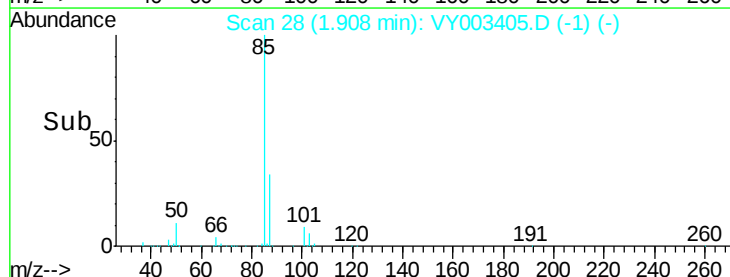
1.91

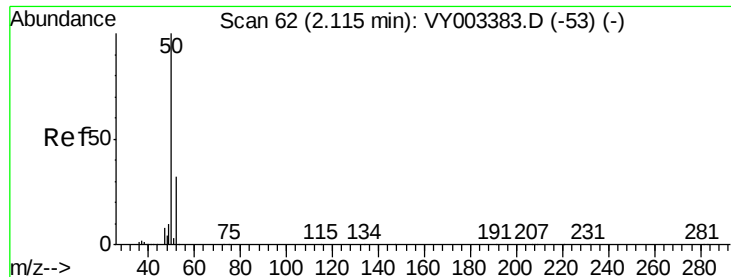
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.333 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 261785

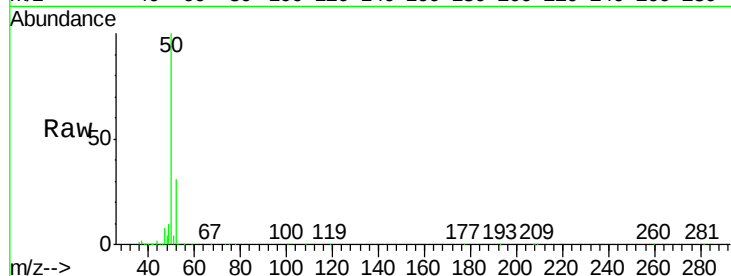
Ion Ratio Lower Upper

50 100

52 30.9 25.9 38.9

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

200000

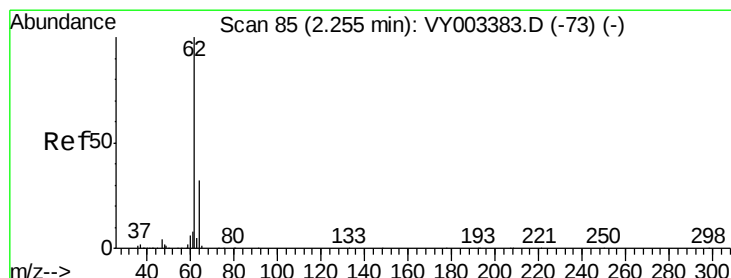
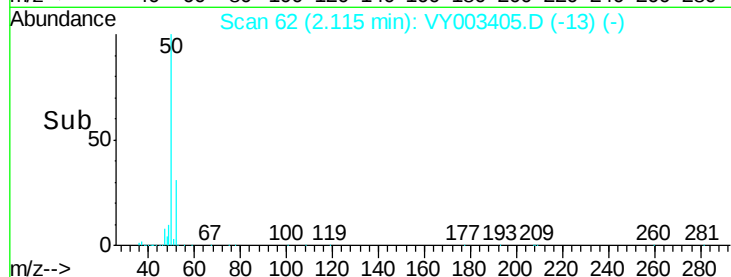
150000

100000

50000

0

Time--> 2.00 2.10 2.20



#4

Vinyl Chloride

Concen: 44.537 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003405.D

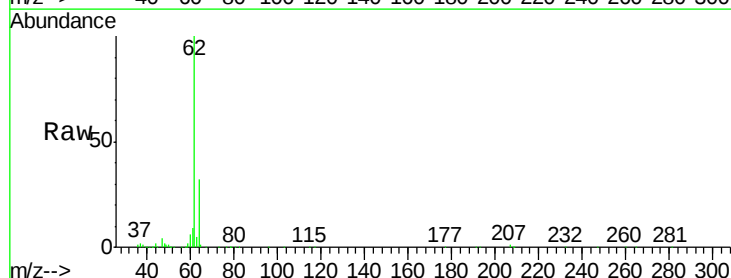
Acq: 03 Aug 2020 10:03

Tgt Ion: 62 Resp: 264004

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

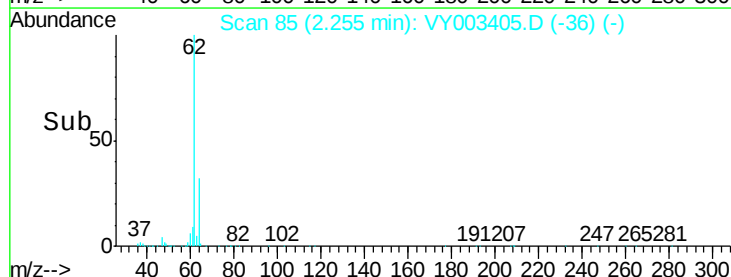
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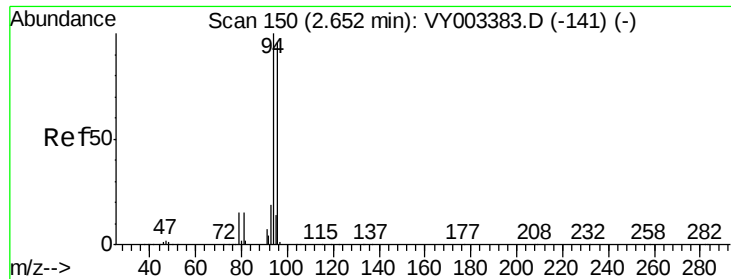
100000

50000

0

Time--> 2.20 2.30 2.40





#5

Bromomethane

Concen: 46.866 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 205222

Ion Ratio Lower Upper

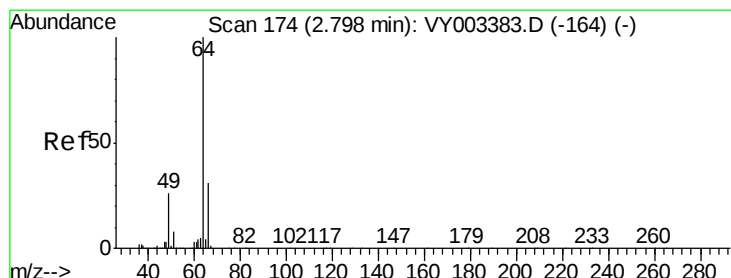
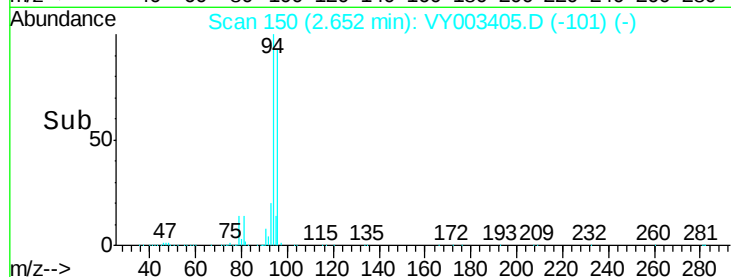
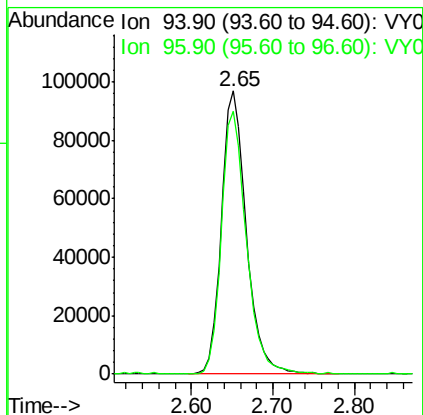
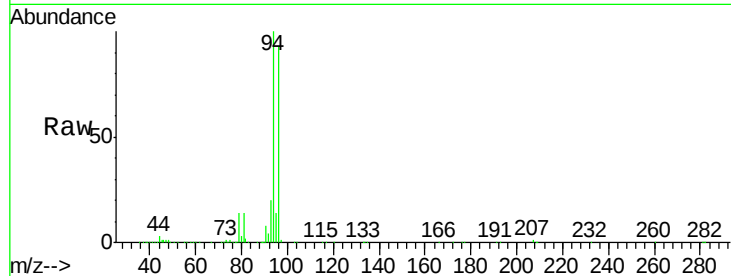
94 100

96 92.6 76.6 115.0

Manual Integrations
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#6

Chloroethane

Concen: 44.981 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003405.D

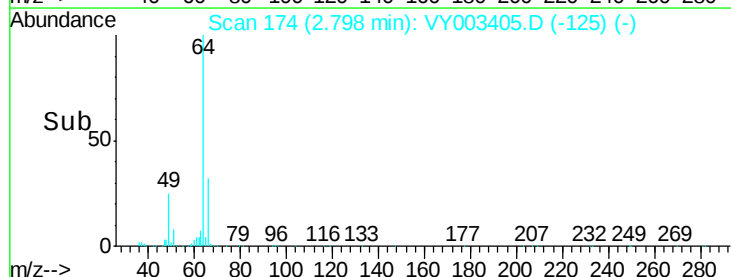
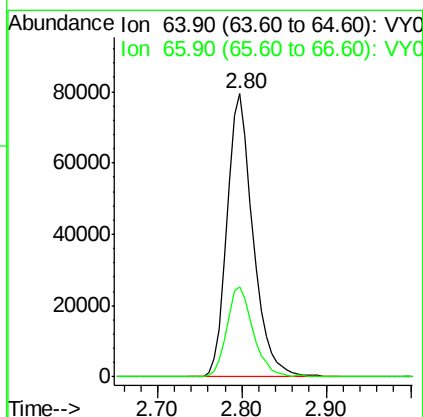
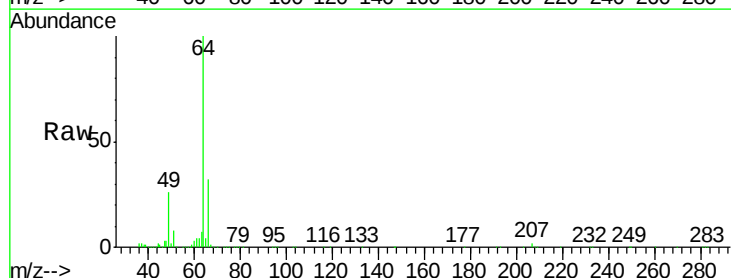
Acq: 03 Aug 2020 10:03

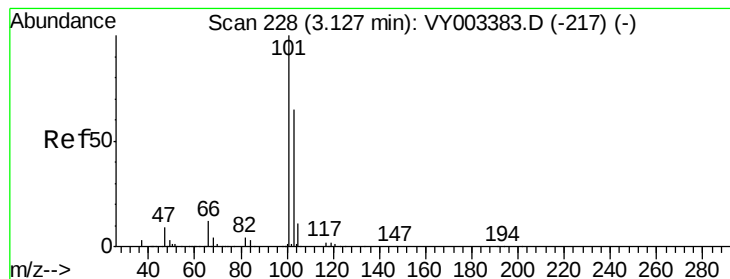
Tgt Ion: 64 Resp: 167252

Ion Ratio Lower Upper

64 100

66 32.0 24.7 37.1





#7

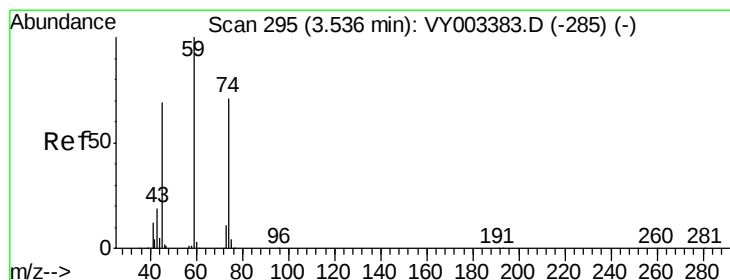
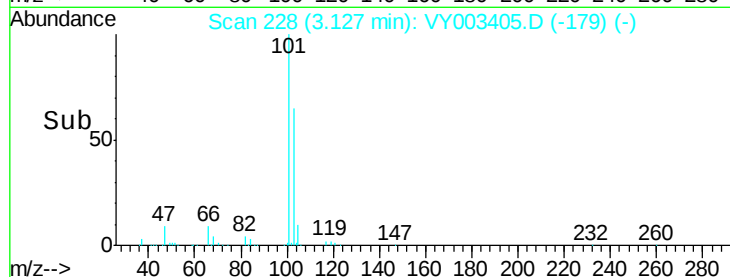
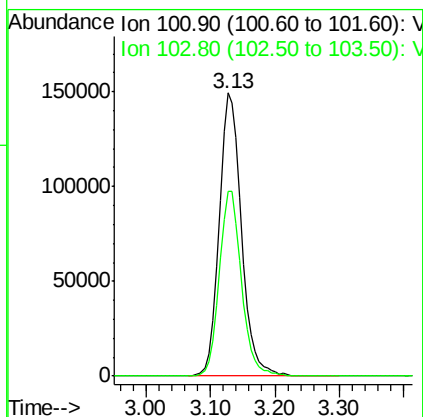
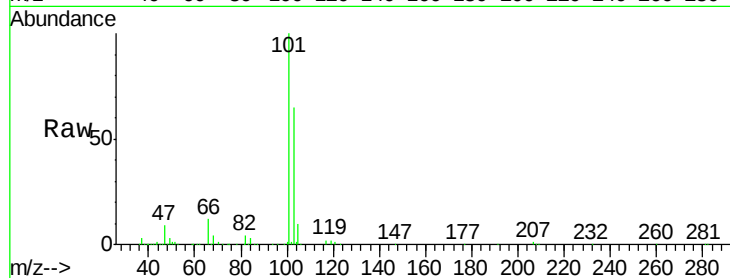
Trichlorofluoromethane
Concen: 45.588 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY003405.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6

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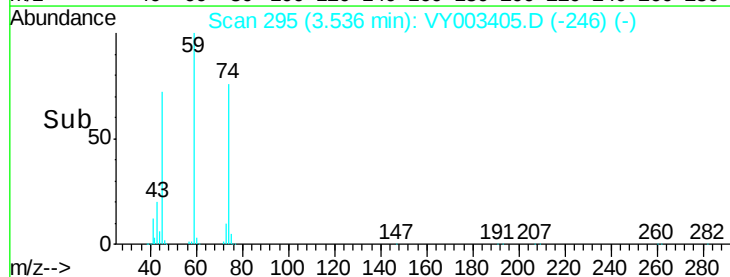
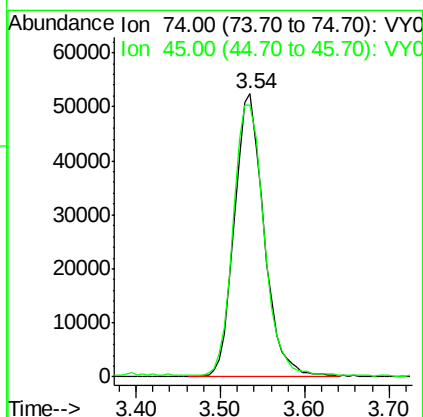
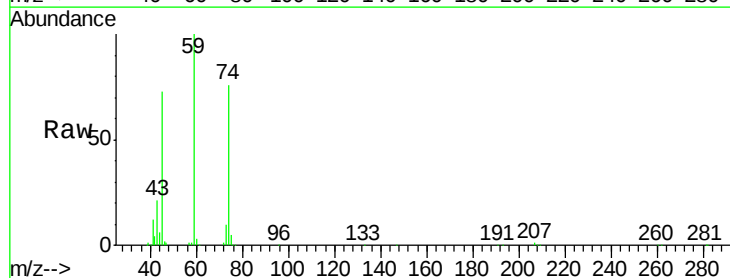
MMDadoda
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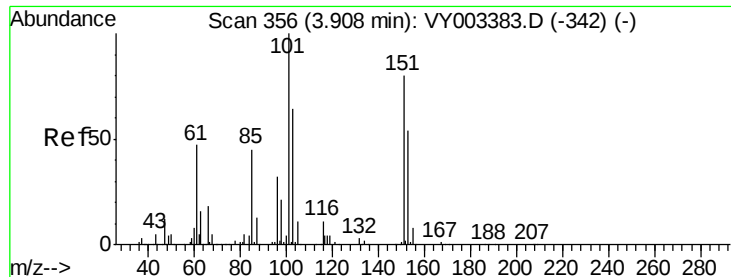


#8

Diethyl Ether
Concen: 44.436 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY003405.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.262 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

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MSVOA_Y

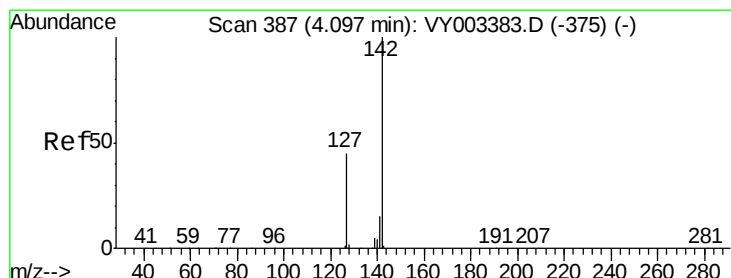
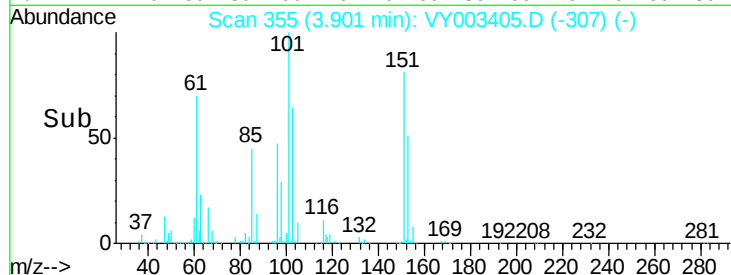
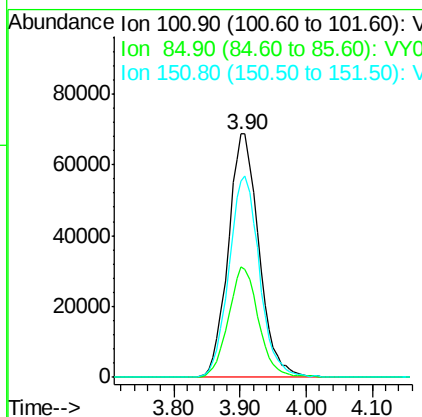
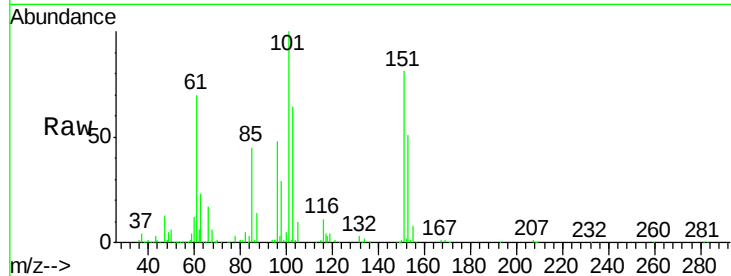
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	221183
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.7	53.5
151	82.1	65.7	98.5

Manual Integrations
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#10

Methyl Iodide

Concen: 39.327 ug/l

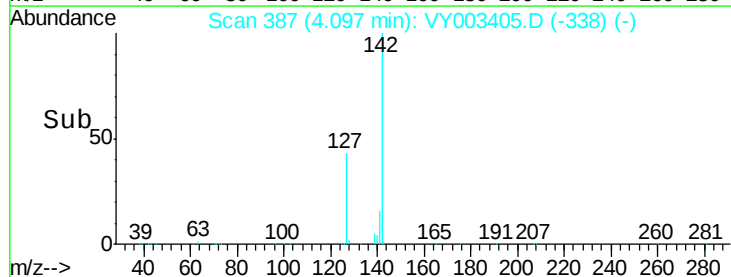
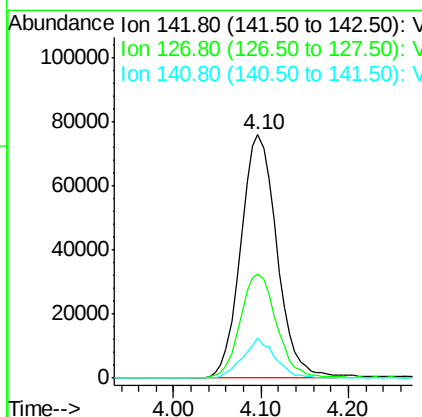
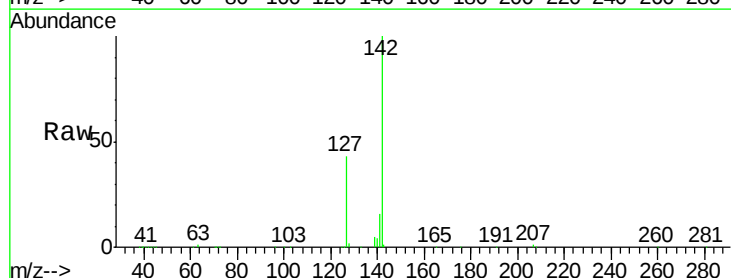
RT: 4.10 min Scan# 387

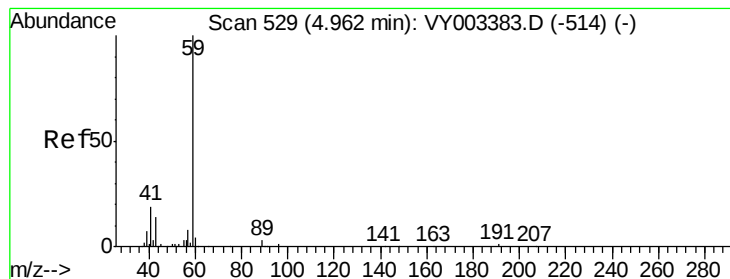
Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Tgt Ion:	142	Resp:	218284
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.6	52.0
141	14.7	11.4	17.0





#11

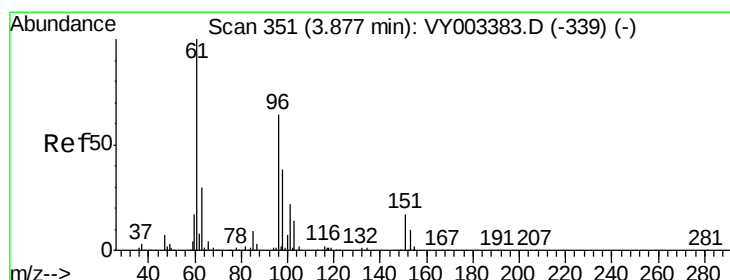
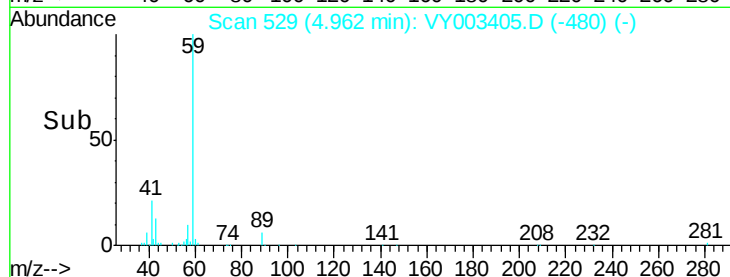
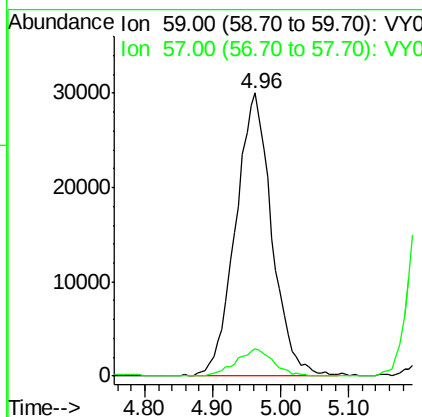
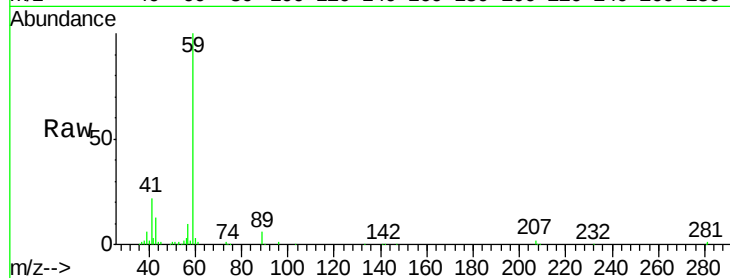
Tert butyl alcohol
Concen: 226.394 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	111365		
57	57	9.9	8.0	12.0	

Manual Integrations
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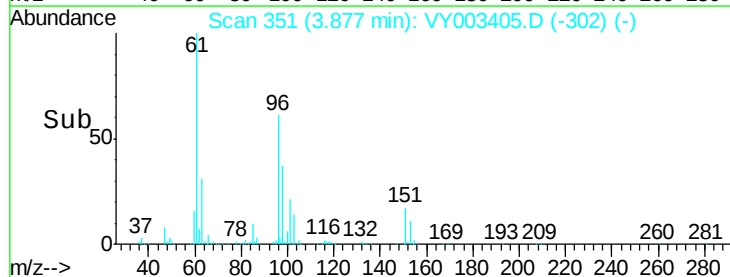
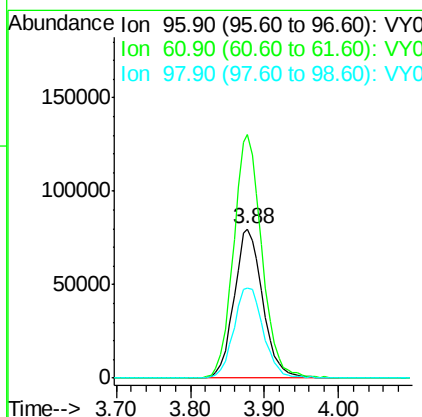
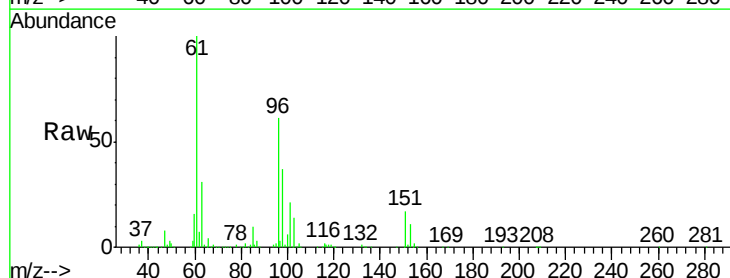
MMDadoda
8/4/2020 1:51:07 PM

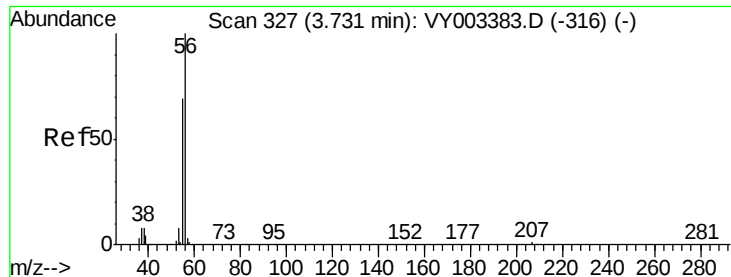


#12

1,1-Dichloroethene
Concen: 46.446 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	215420		
61	61	163.0	124.7	187.1	
98	98	60.5	47.4	71.2	





#13

Acrolein

Concen: 224.705 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 118400

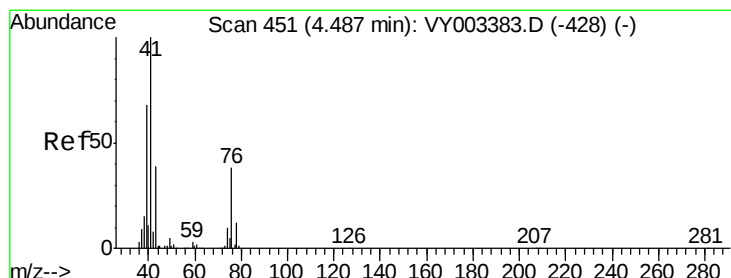
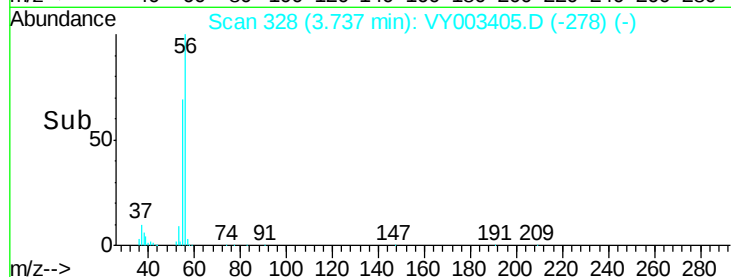
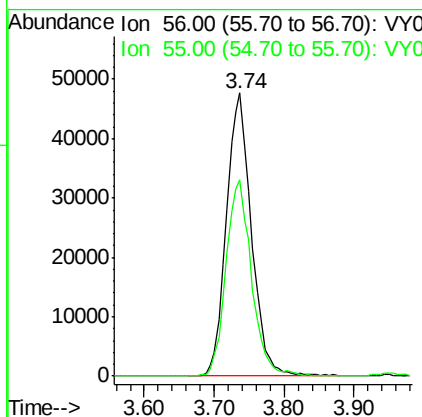
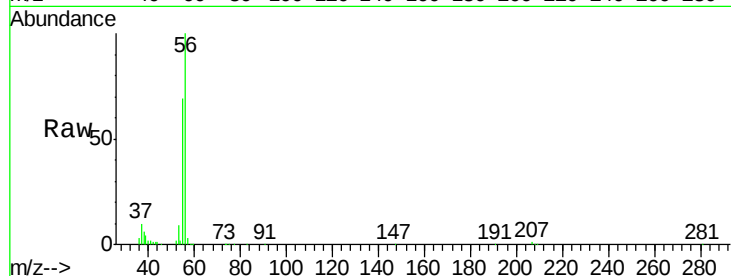
Ion Ratio Lower Upper

56 100

55 71.1 55.5 83.3

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 46.127 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

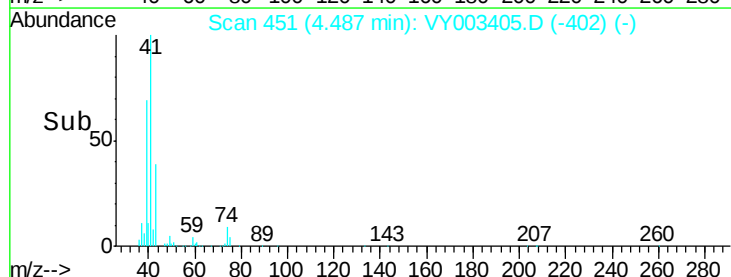
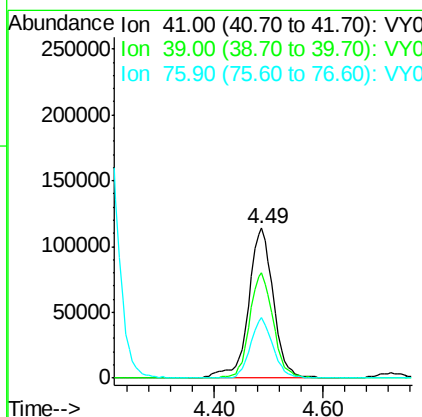
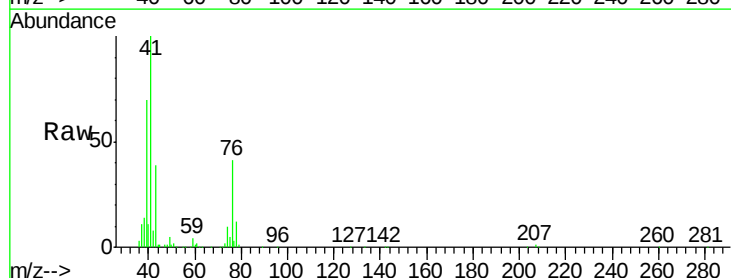
Tgt Ion: 41 Resp: 358332

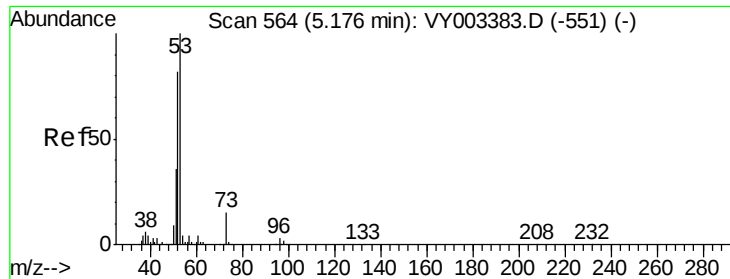
Ion Ratio Lower Upper

41 100

39 66.9 52.7 79.1

76 36.7 29.8 44.6





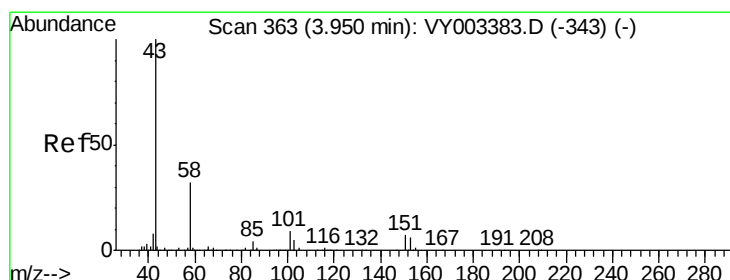
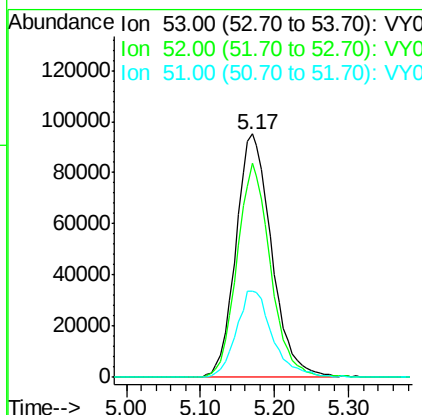
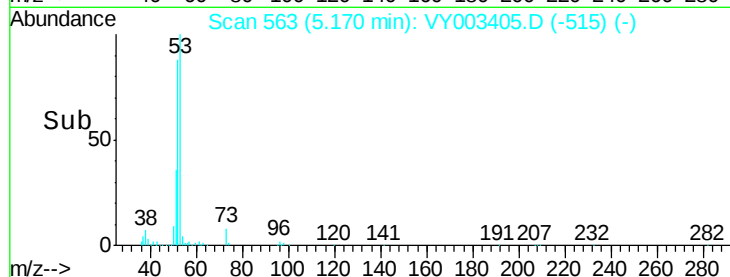
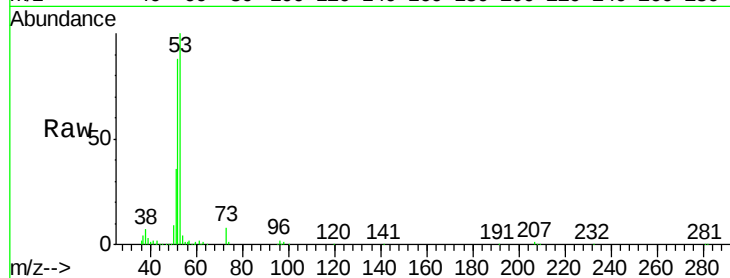
#15
 Acrylonitrile
 Concen: 231.024 ug/l
 RT: 5.17 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.8	67.0	100.6	
51	36.2	29.3	43.9	

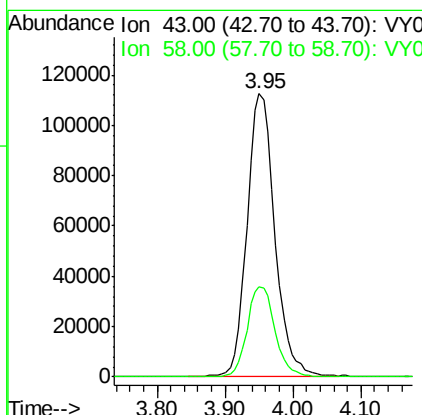
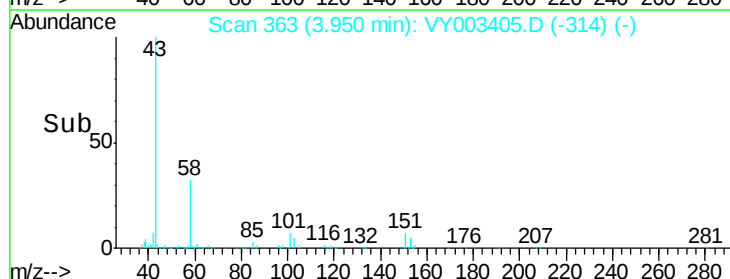
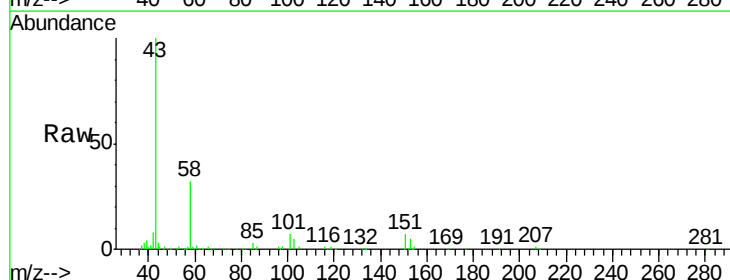
Manual Integrations
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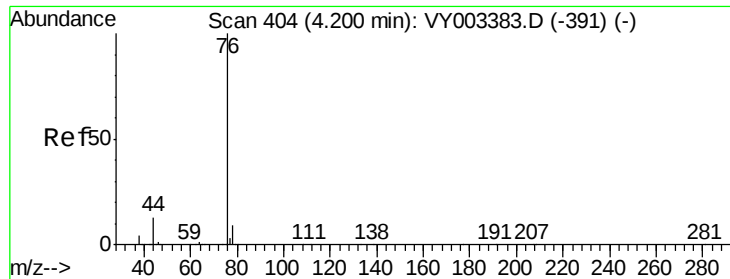
MMDadoda
 8/4/2020 1:51:07 PM



#16
 Acetone
 Concen: 259.681 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	31.9	25.4	38.2	





#17

Carbon Disulfide

Concen: 46.022 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 695862

Ion Ratio Lower Upper

76 100

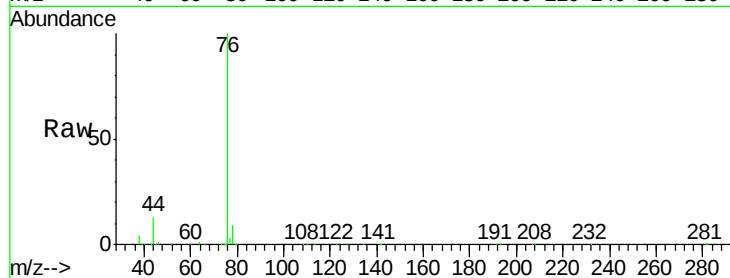
78 9.2 7.5 11.3

Manual Integrations

APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.19

250000

200000

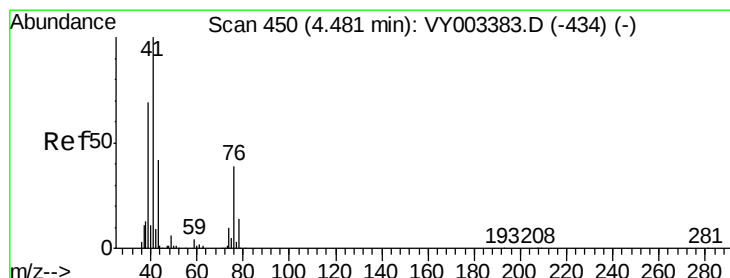
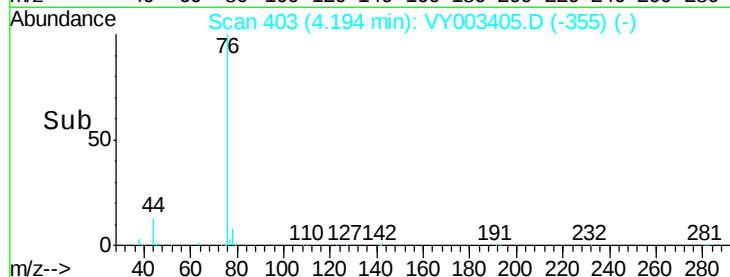
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.651 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY003405.D

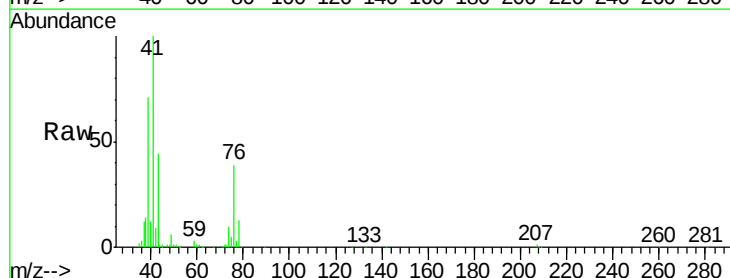
Acq: 03 Aug 2020 10:03

Tgt Ion: 43 Resp: 142456

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

50000

40000

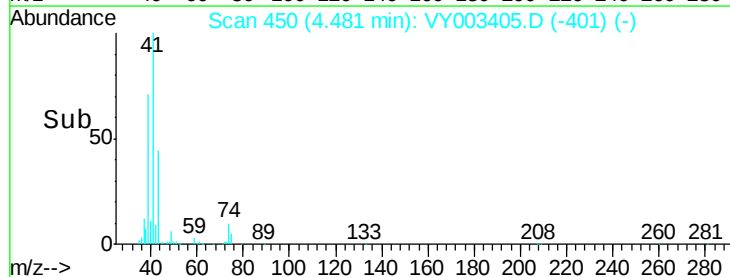
30000

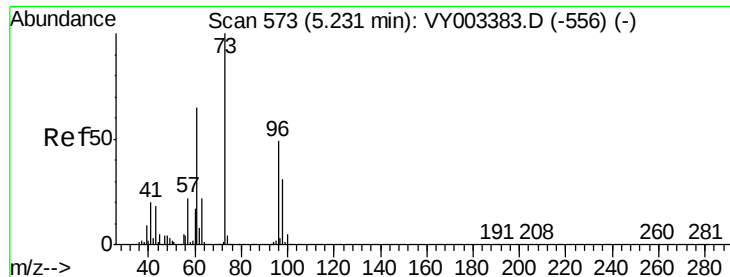
20000

10000

0

Time-->





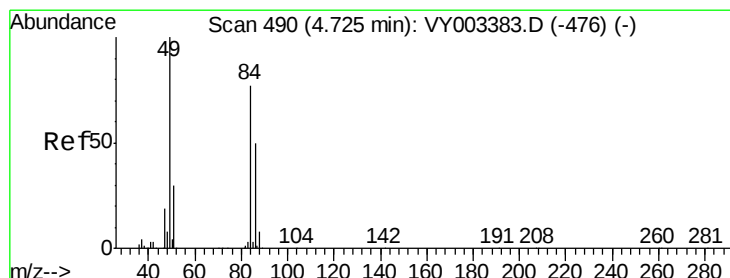
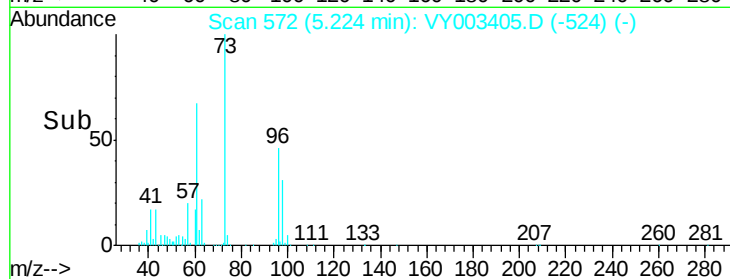
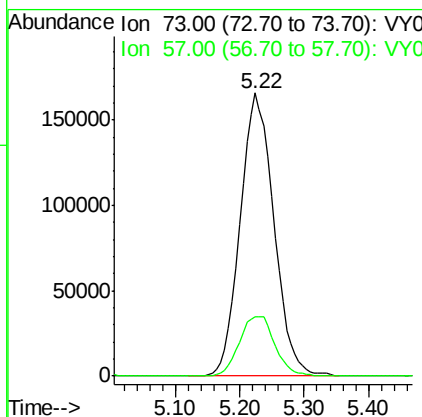
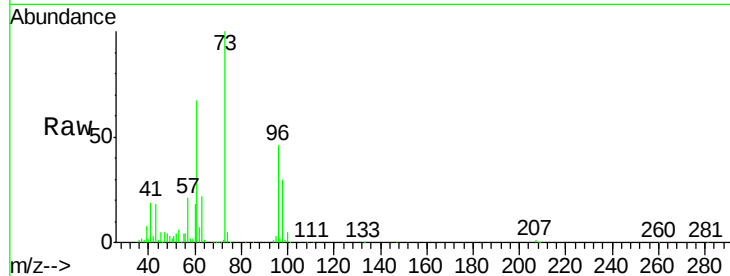
#19
Methyl tert-butyl Ether
Concen: 46.675 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.8	26.8

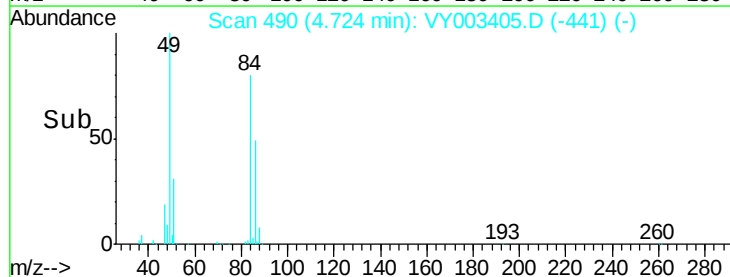
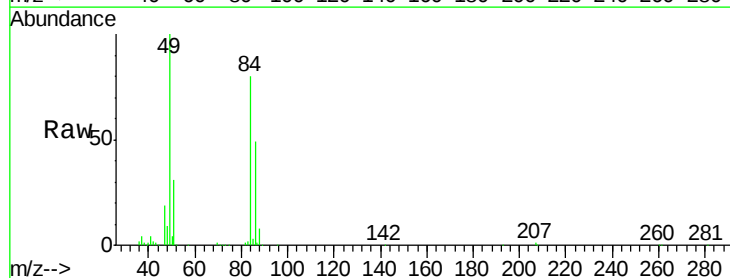
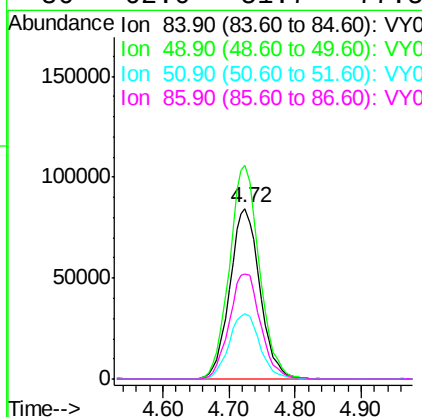
Manual Integrations
APPROVED

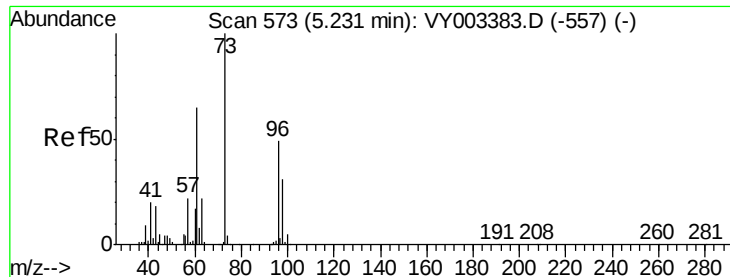
MMDadoda
8/4/2020 1:51:07 PM



#20
Methylene Chloride
Concen: 41.391 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.4	104.2	156.4
51	38.3	31.5	47.3
86	62.0	51.7	77.5





#21

trans-1,2-Dichloroethene

Concen: 46.221 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

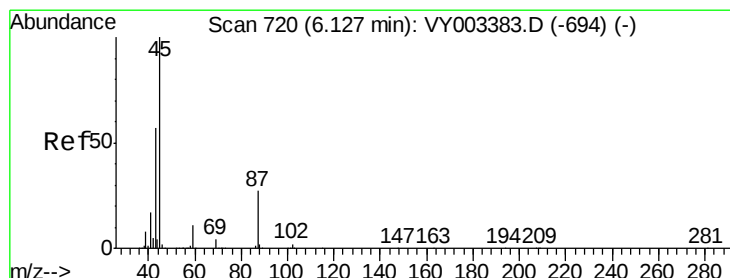
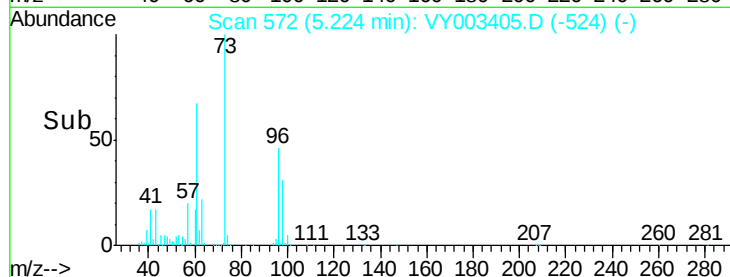
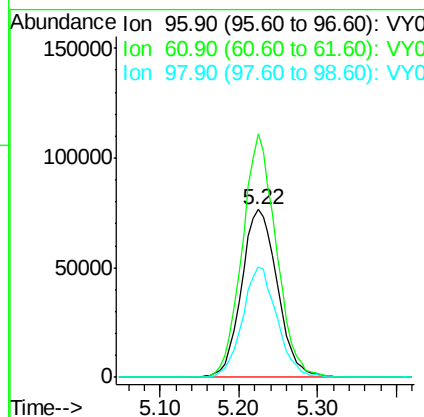
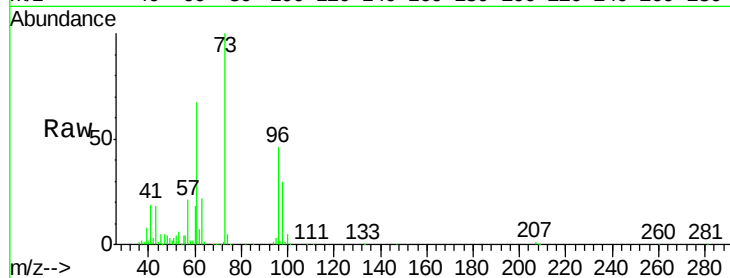
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	242345
Ion	Ratio	Lower	Upper
96	100		
61	145.0	106.3	159.5
98	66.0	50.8	76.2

Manual Integrations
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8/4/2020 1:51:07 PM



#22

Diisopropyl ether

Concen: 46.607 ug/l

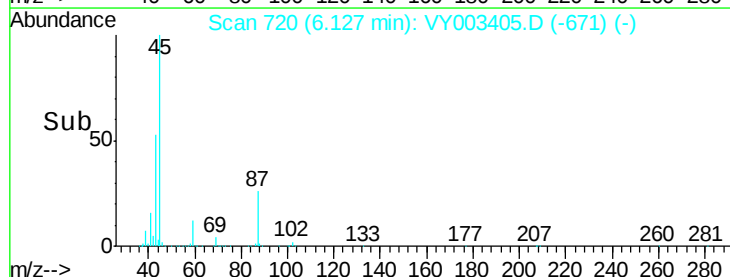
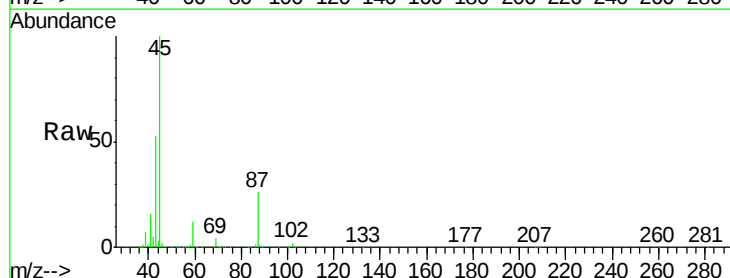
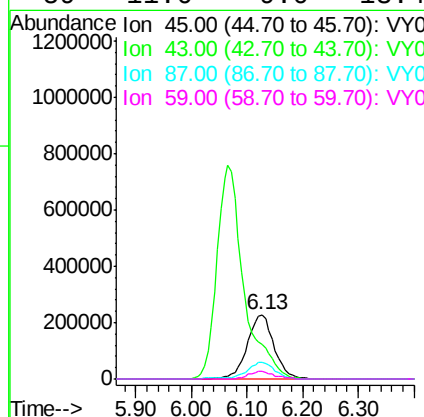
RT: 6.13 min Scan# 720

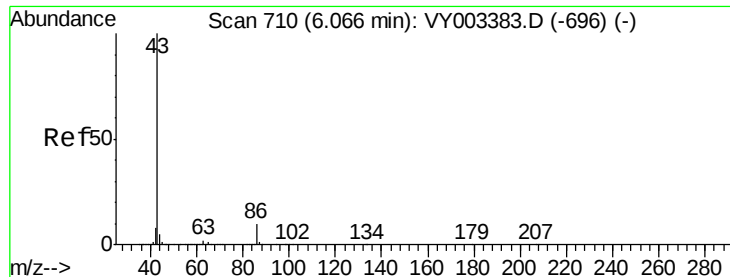
Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Tgt Ion:	45	Resp:	760677
Ion	Ratio	Lower	Upper
45	100		
43	53.0	45.6	68.4
87	25.9	21.3	31.9
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 237.665 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Tot Ion: 43 Resp: 2541165

Ion Ratio Lower Upper

43 100

86 10.5 8.0 12.0

Instrument :

MSVOA_Y

ClientSampleId :

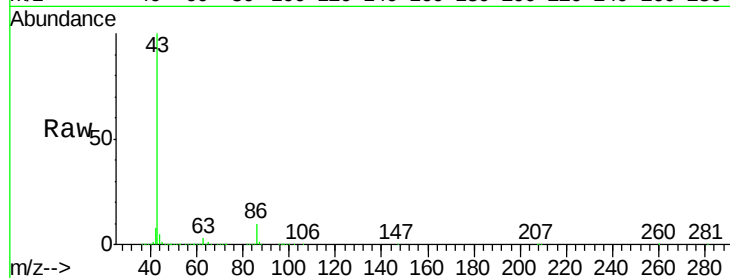
VSTDCCC050

Manual Integrations

APPROVED

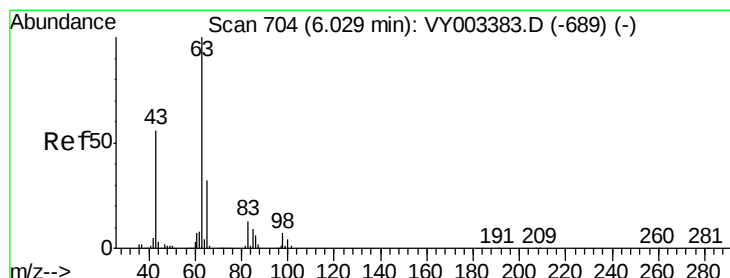
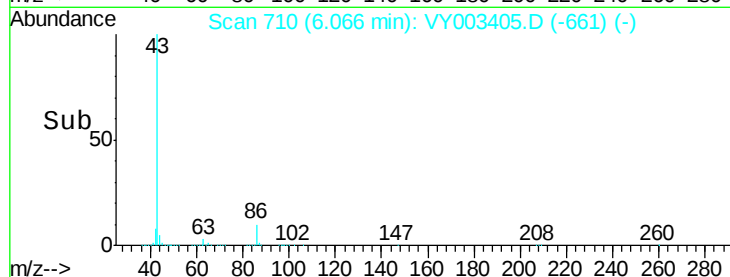
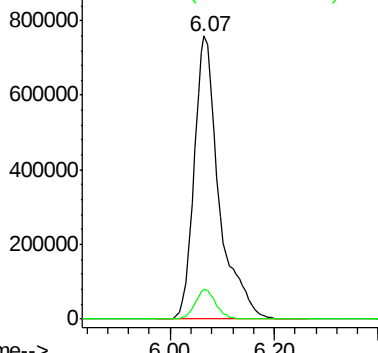
MMDadoda

8/4/2020 1:51:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 46.744 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

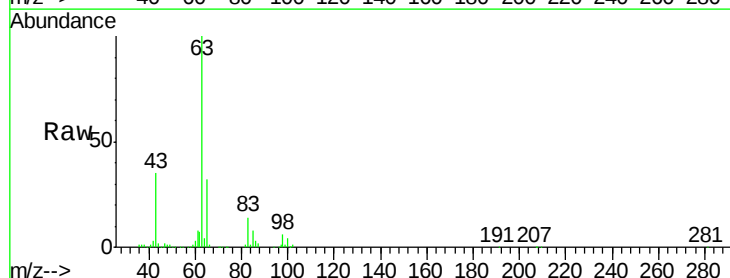
Tgt Ion: 63 Resp: 427530

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.6

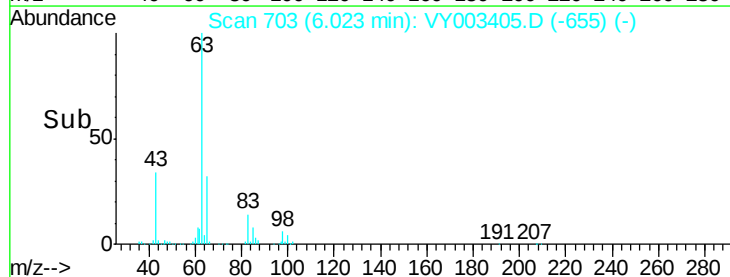
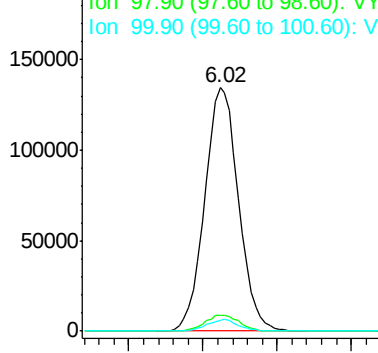
100 4.2 2.2 6.6

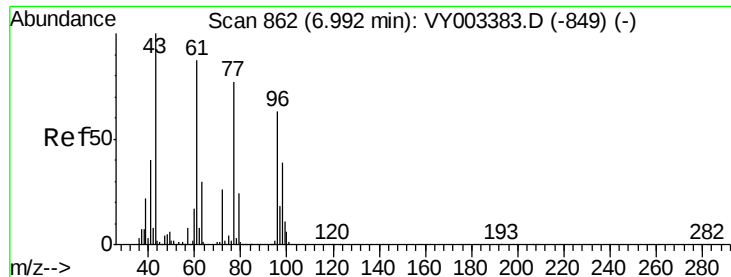


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 239.780 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 451991

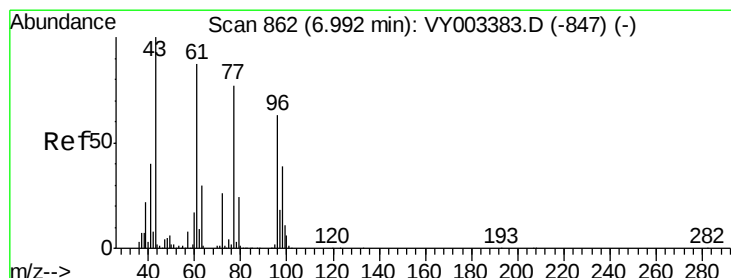
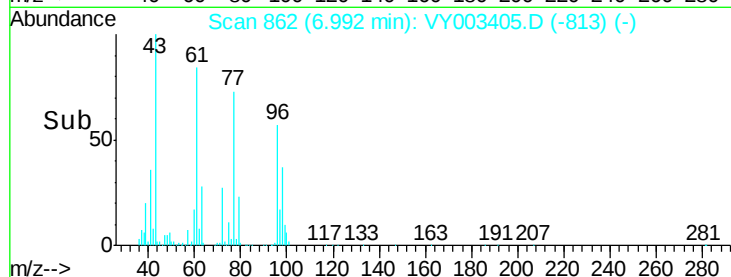
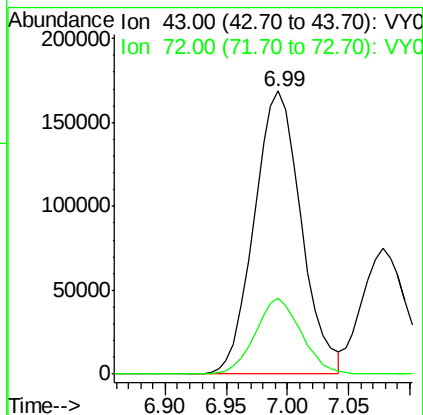
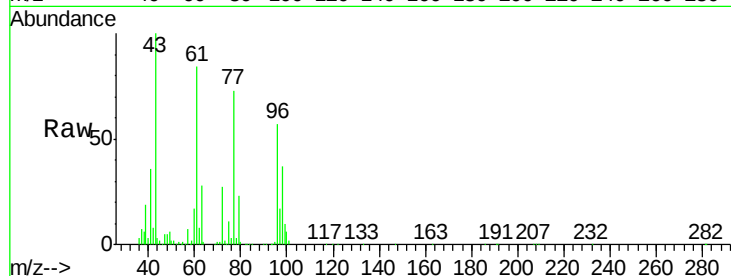
Ion Ratio Lower Upper

43 100

72 26.9 21.1 31.7

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8/4/2020 1:51:07 PM



#26

2,2-Dichloropropane

Concen: 46.703 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003405.D

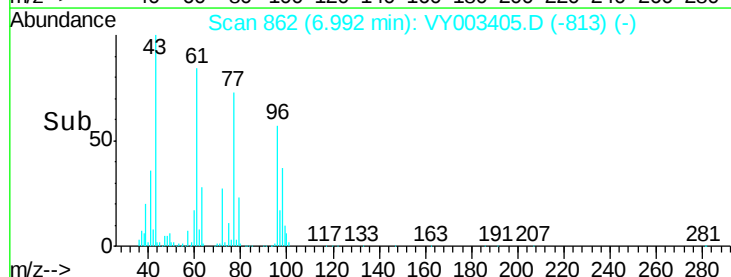
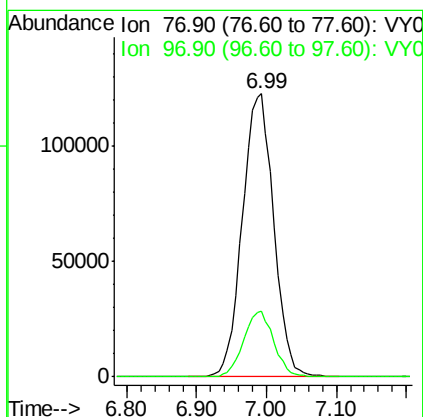
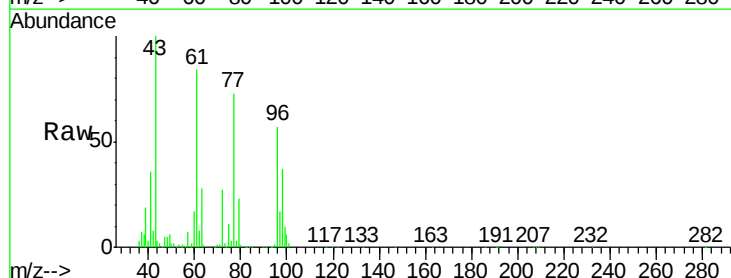
Acq: 03 Aug 2020 10:03

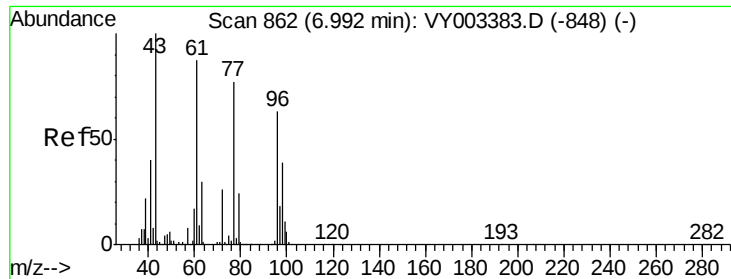
Tgt Ion: 77 Resp: 381150

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 45.929 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003405.D

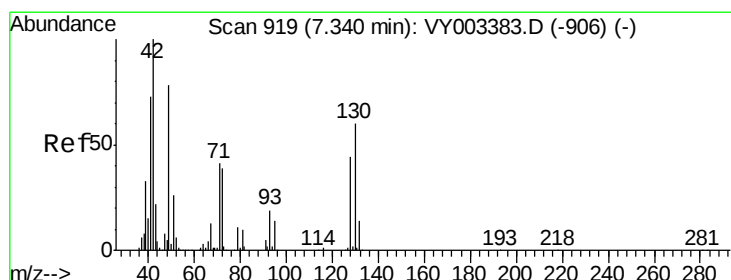
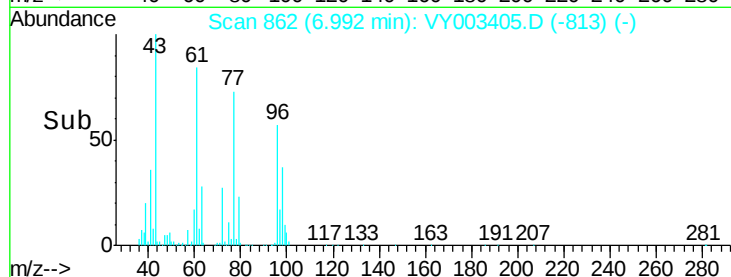
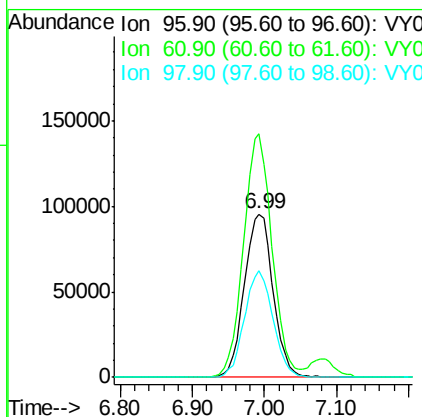
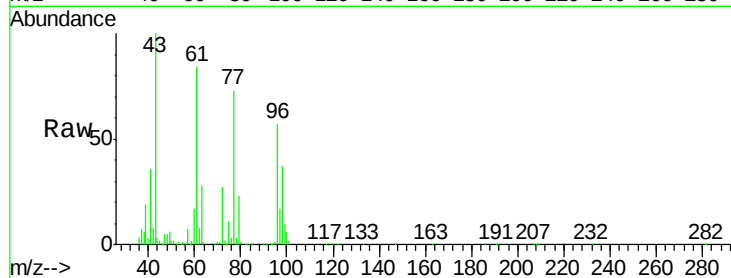
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	264620		
61	147.4	0.0	290.0	
98	65.1	0.0	129.0	

Manual Integrations
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#28

Bromochloromethane

Concen: 49.938 ug/l

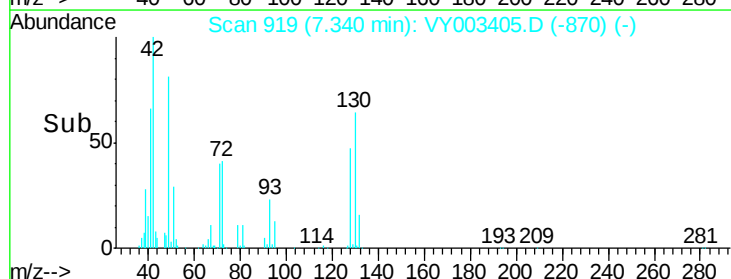
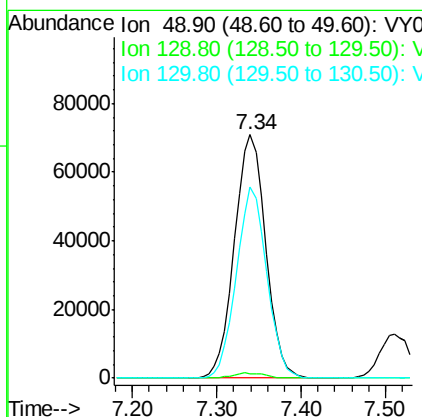
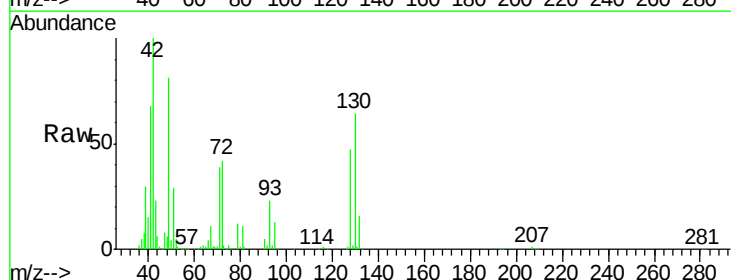
RT: 7.34 min Scan# 919

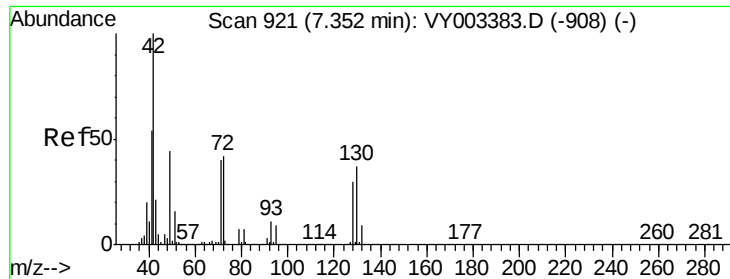
Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	177667		
129	2.3	0.0	4.4	
130	76.5	60.3	90.5	





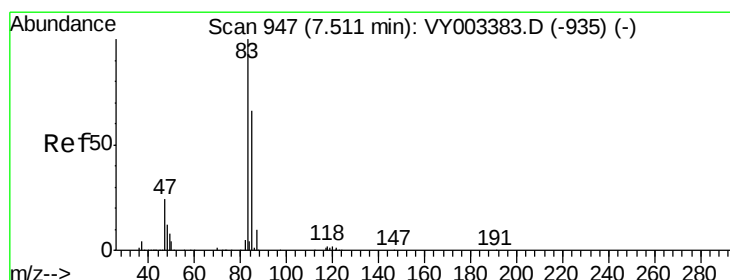
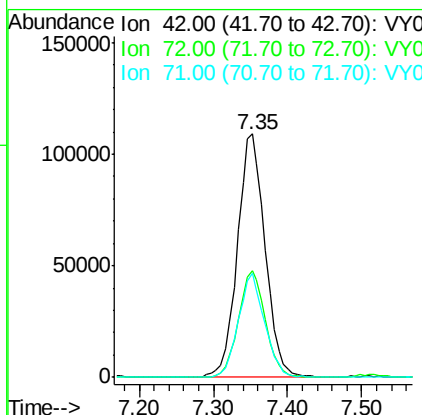
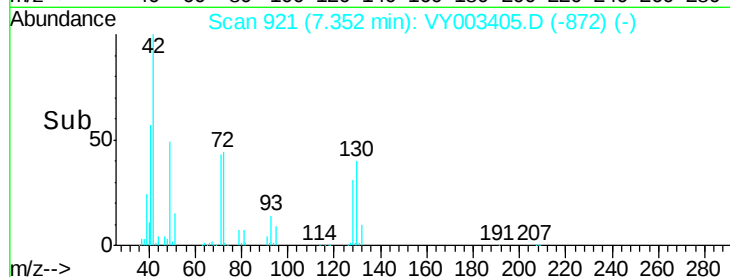
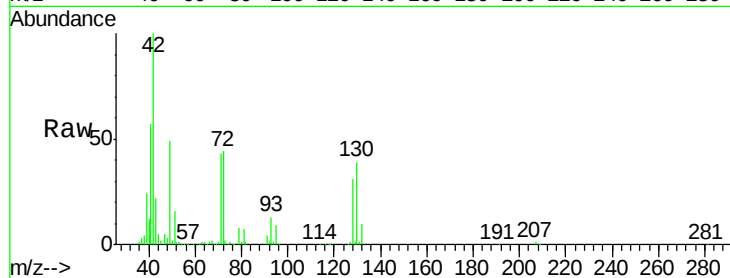
#29
Tetrahydrofuran
Concen: 231.275 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.5	50.3
71	40.4	32.1	48.1

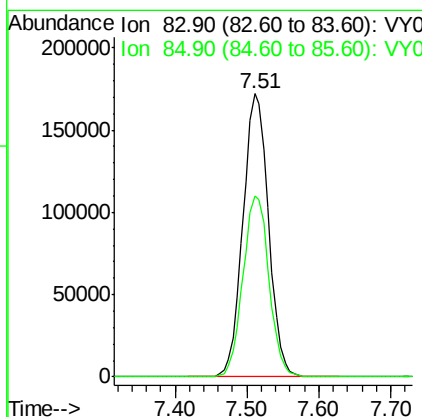
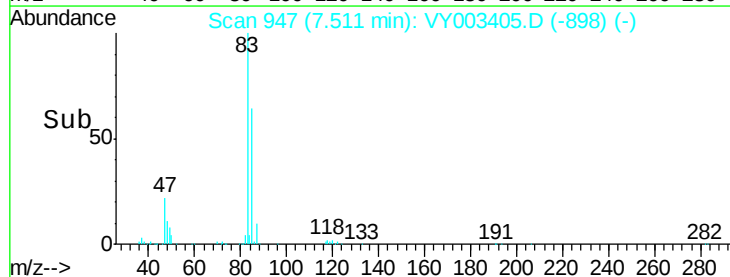
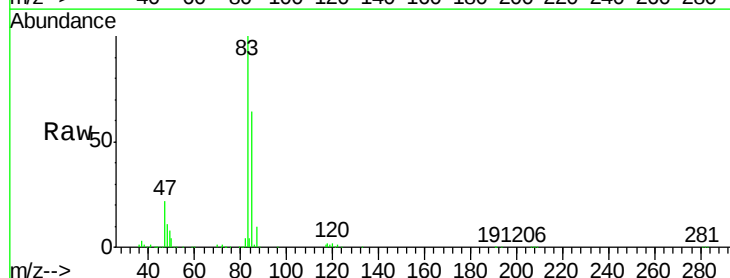
Manual Integrations
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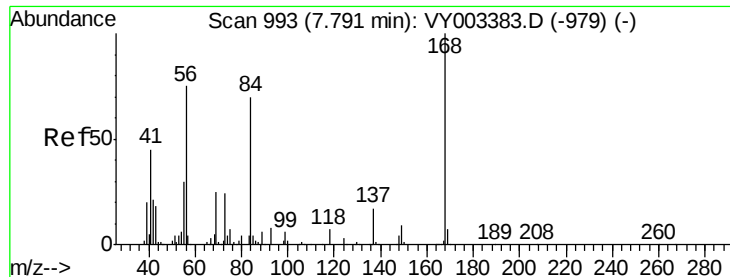
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#30
Chloroform
Concen: 46.752 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.5	78.7





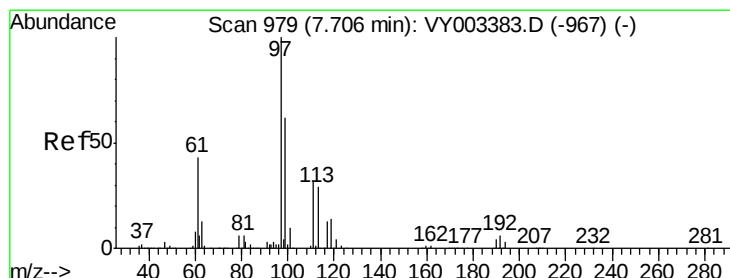
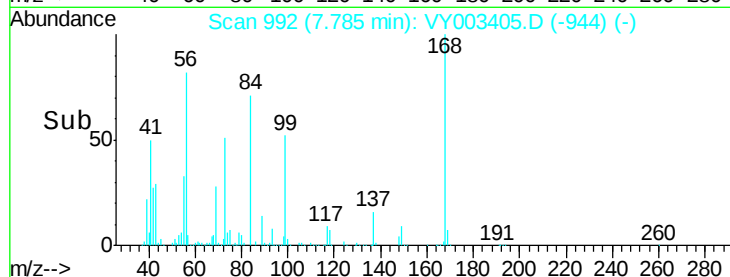
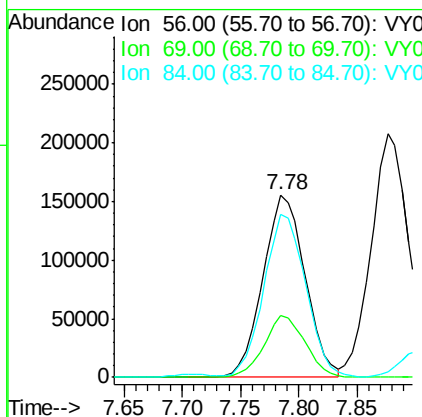
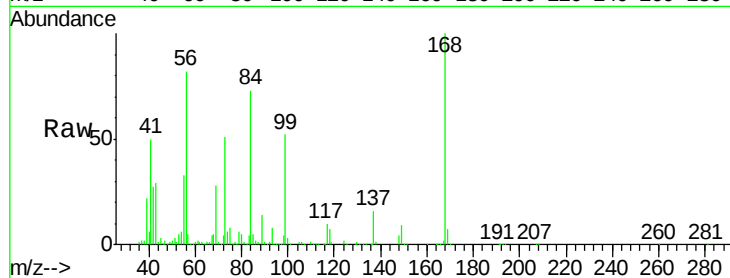
#31
Cyclohexane
Concen: 44.187 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.1	39.1
84	87.7	73.9	110.9

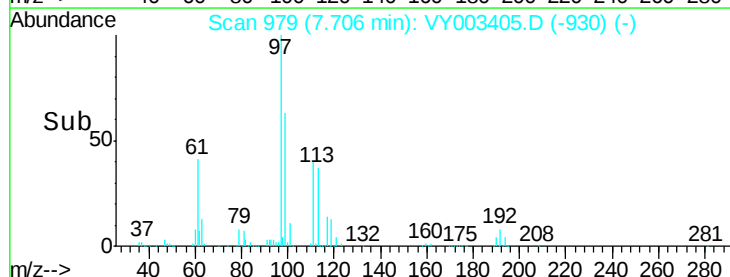
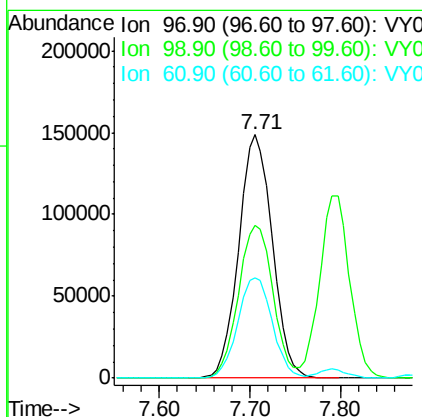
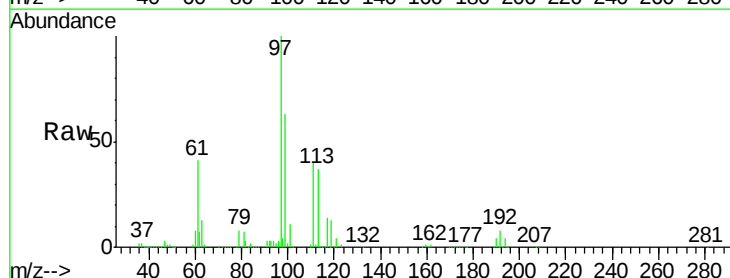
Manual Integrations
APPROVED

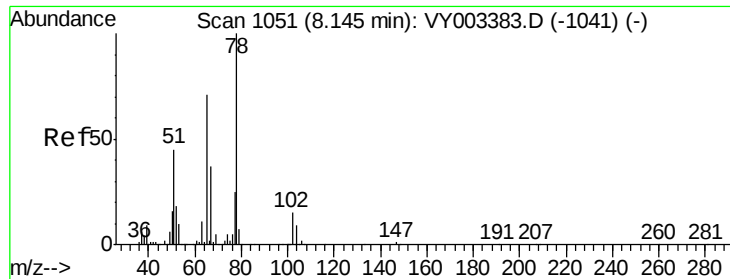
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.186 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.9	76.3
61	42.3	33.7	50.5





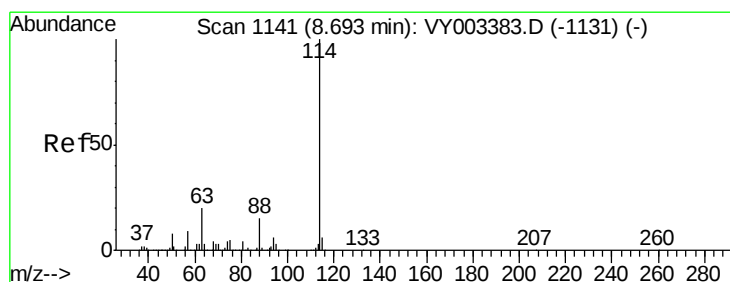
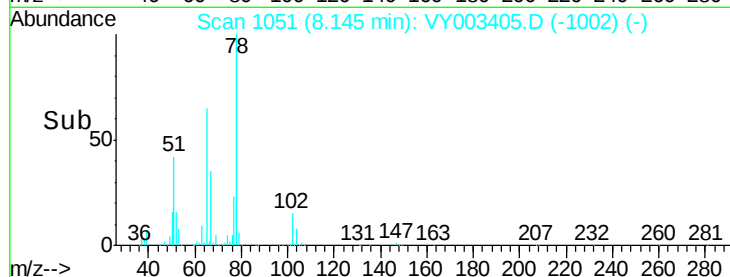
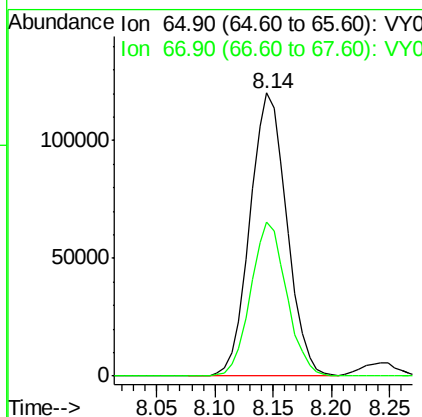
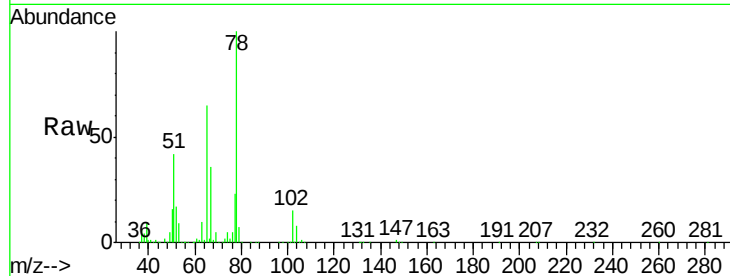
#33
 1,2-Dichloroethane-d4
 Concen: 53.005 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	265363		
67	53.0	0.0	106.6	

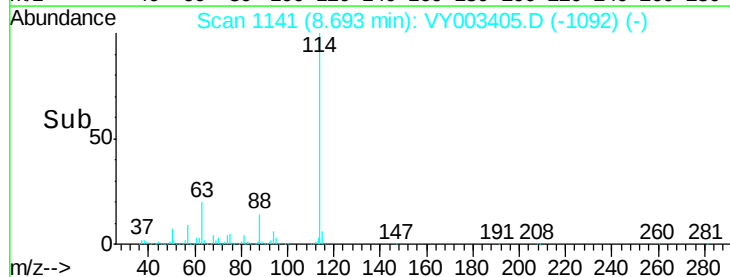
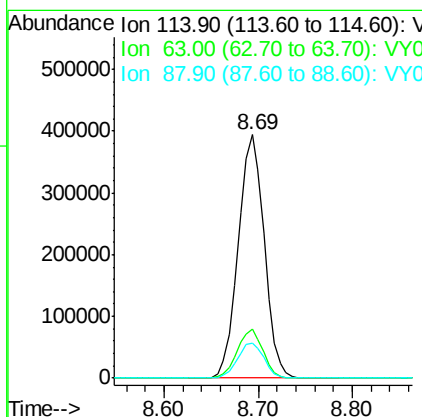
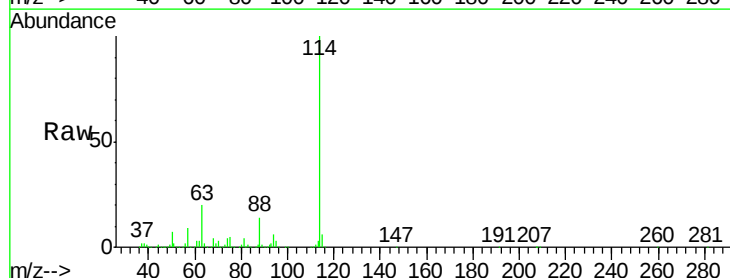
Manual Integrations
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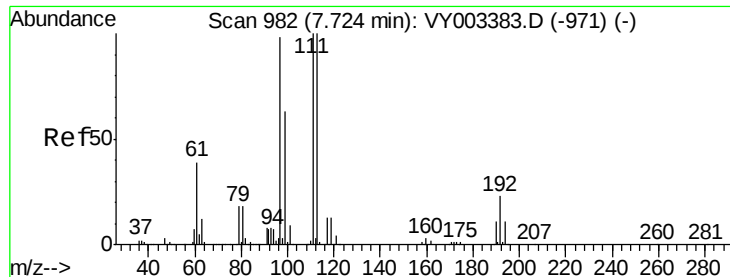
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	759052		
63	20.1	0.0	40.6	
88	14.4	0.0	29.2	





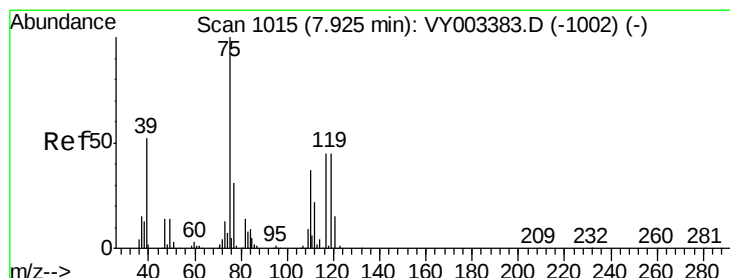
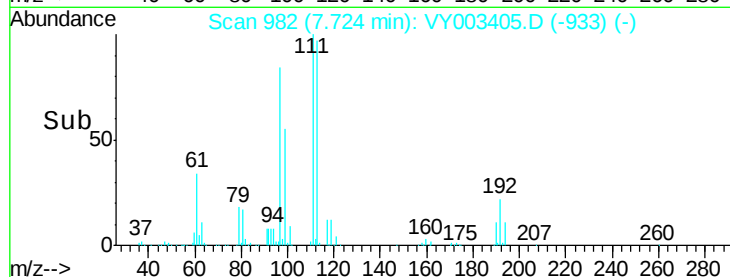
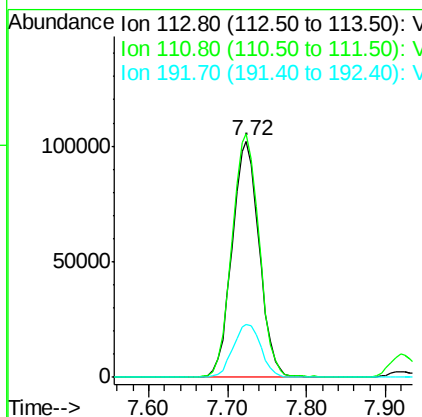
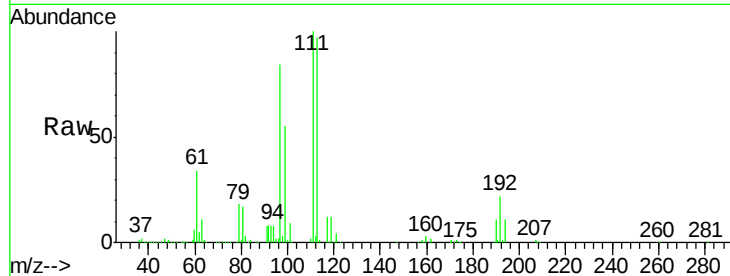
#35
Dibromofluoromethane
Concen: 54.468 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	243542		
111	103.6	83.0	124.4	
192	23.3	18.8	28.2	

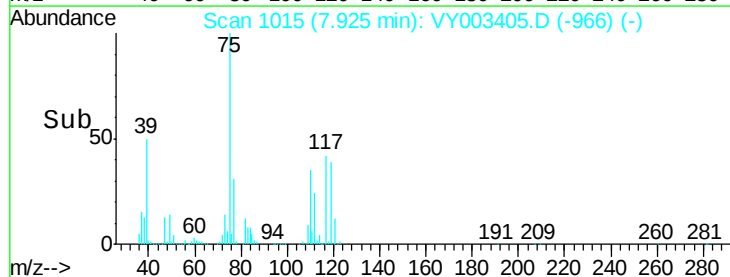
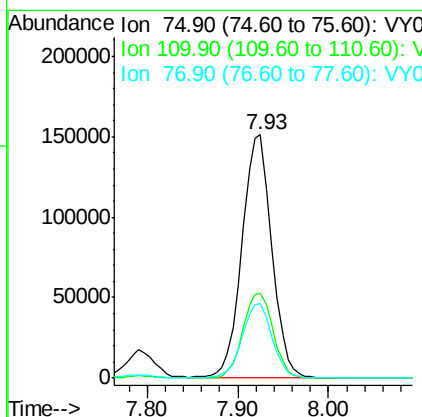
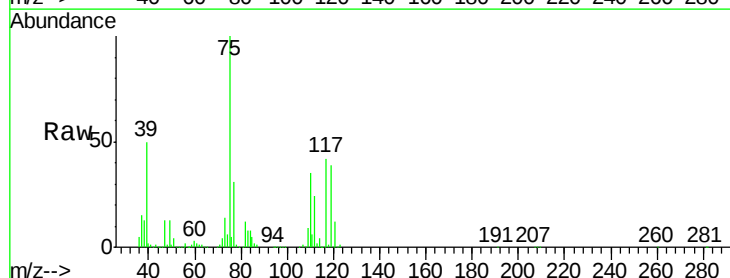
Manual Integrations
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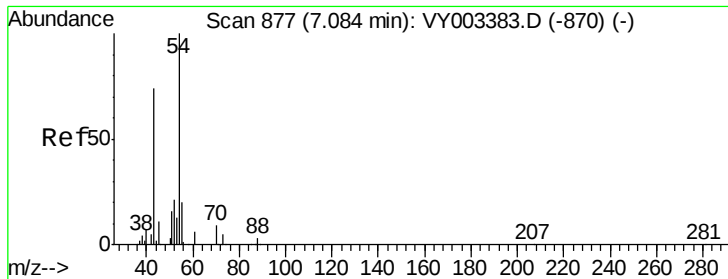
MMDadoda
8/4/2020 1:51:07 PM



#36
1,1-Dichloropropene
Concen: 47.763 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	343080		
110	35.5	17.8	53.5	
77	31.3	24.6	36.8	





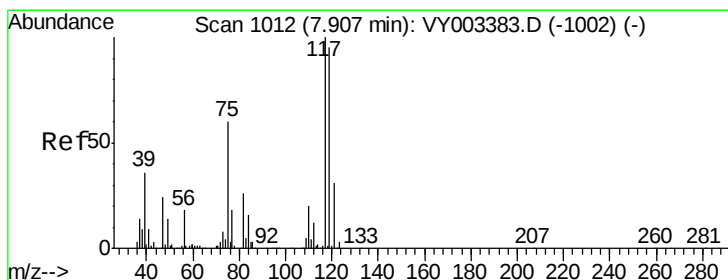
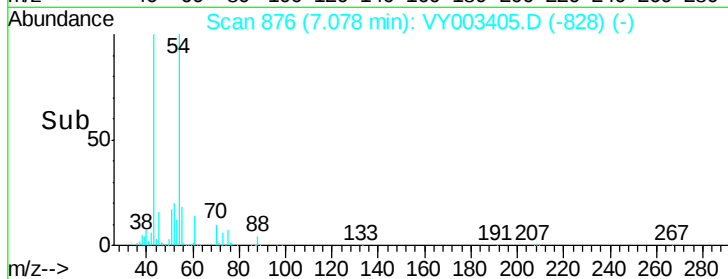
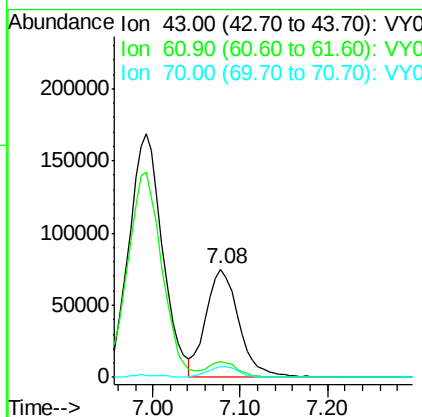
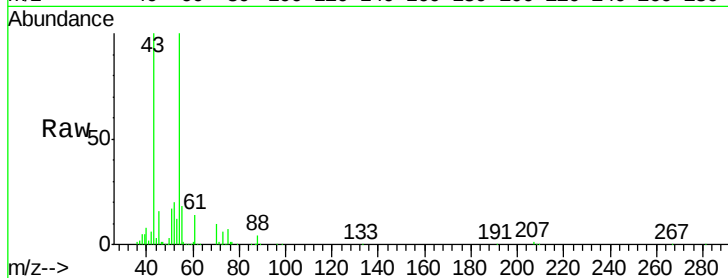
#37
Ethyl Acetate
Concen: 48.251 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.2	16.8
70	9.1	7.7	11.5

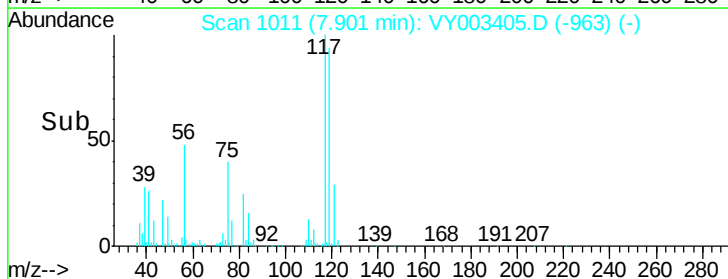
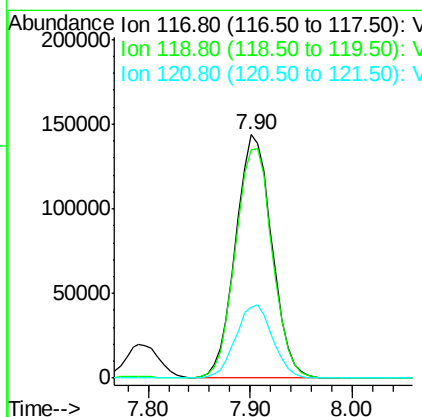
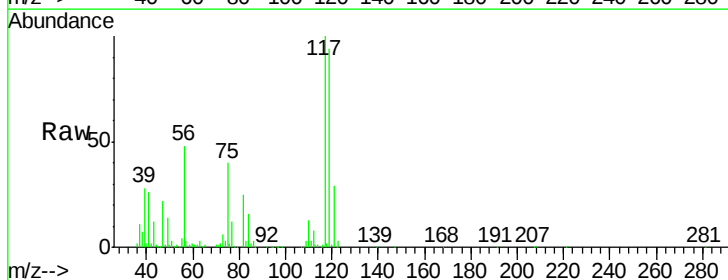
Manual Integrations
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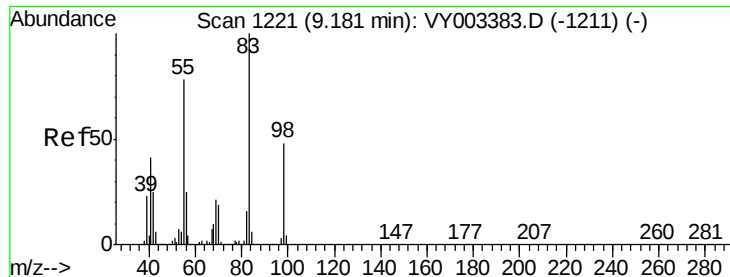
MMDadoda
8/4/2020 1:51:07 PM



#38
Carbon Tetrachloride
Concen: 48.047 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.1	114.1
121	28.9	24.5	36.7





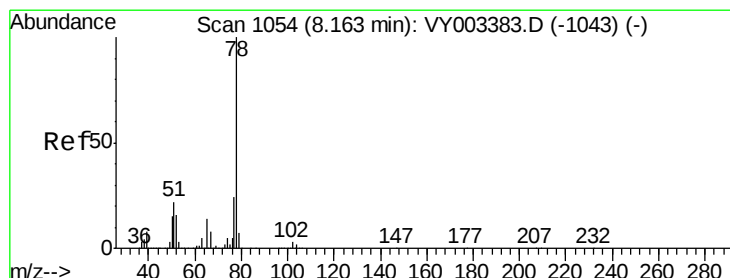
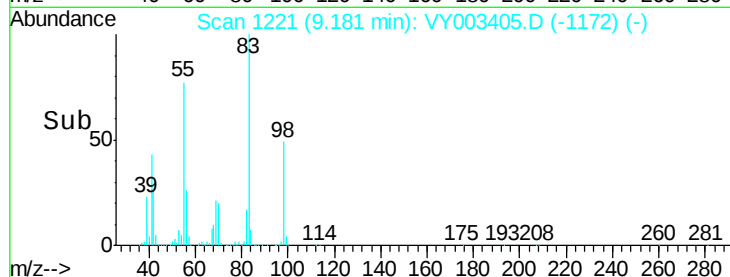
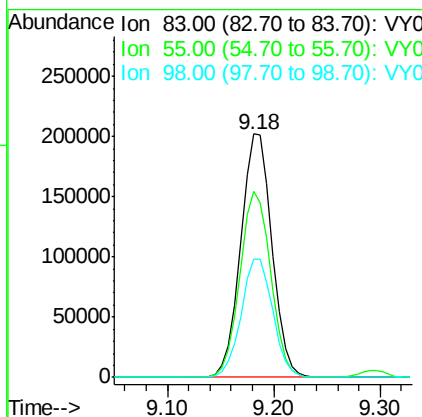
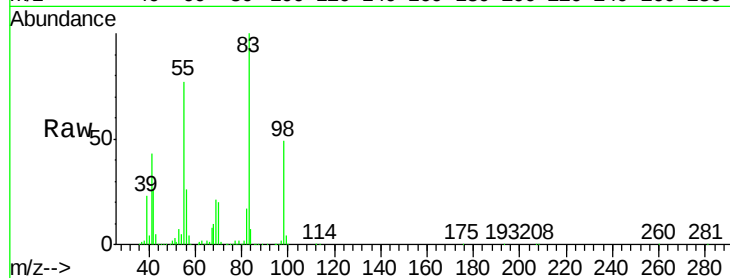
#39
Methvlcvclohexane
Concen: 47.542 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.2	93.4
98	48.8	38.7	58.1

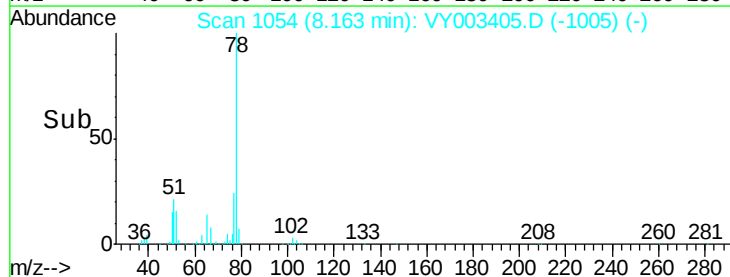
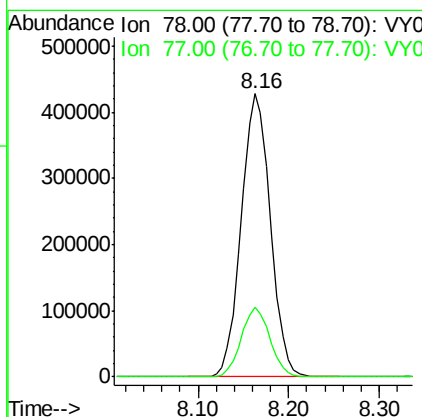
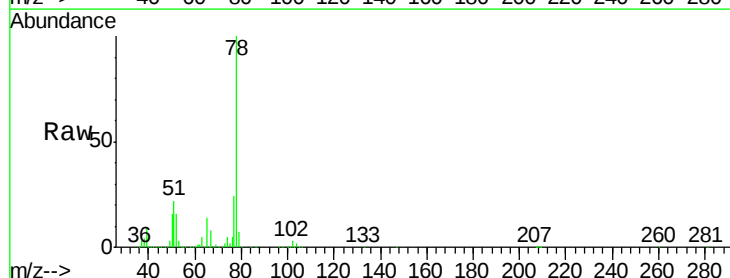
Manual Integrations
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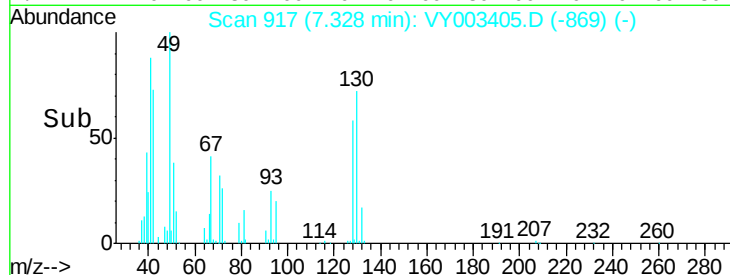
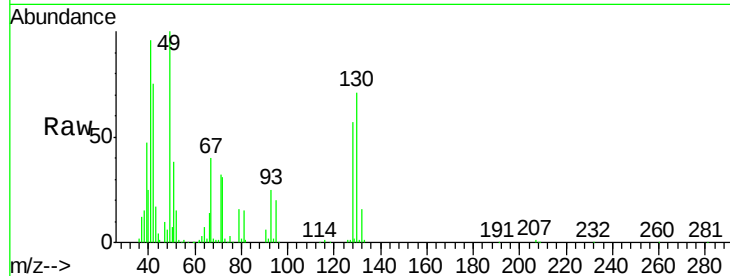
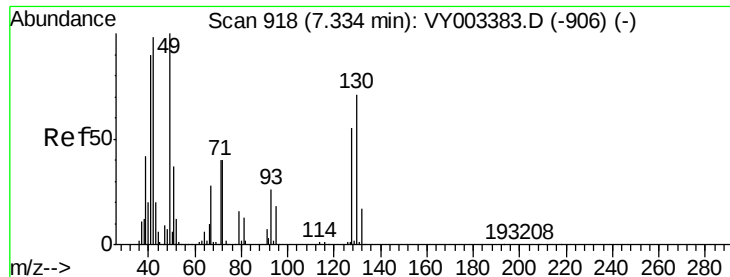
MMDadoda
8/4/2020 1:51:07 PM



#40
Benzene
Concen: 47.641 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





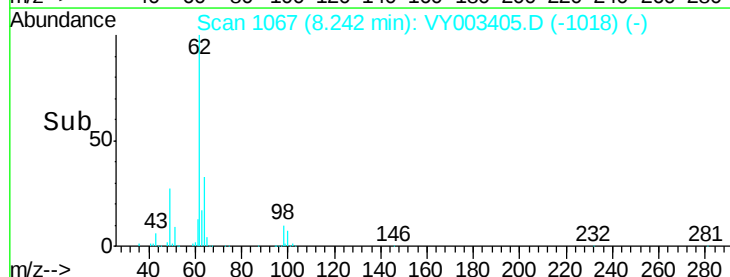
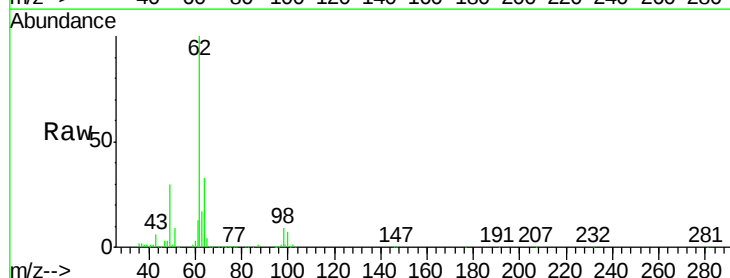
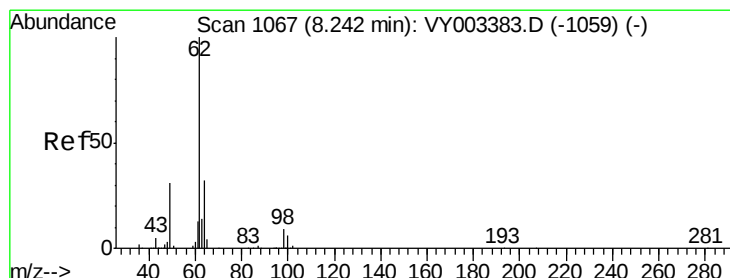
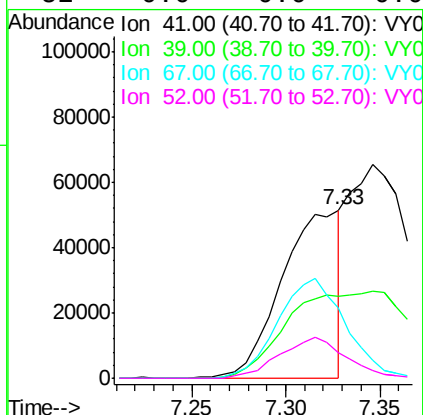
#41
Methacrylonitrile
Concen: 47.471 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.01 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tot Ion	41	Resp	111153
Ion	Ratio	Lower	Upper
41	100		
39	109.0	78.3	117.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

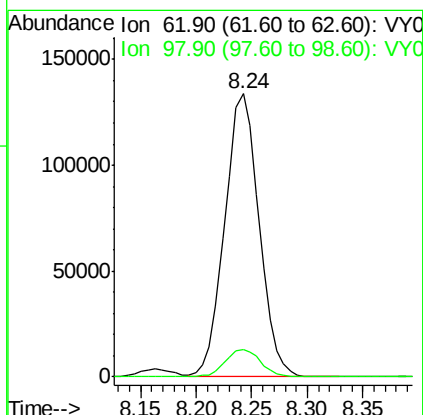
Manual Integrations
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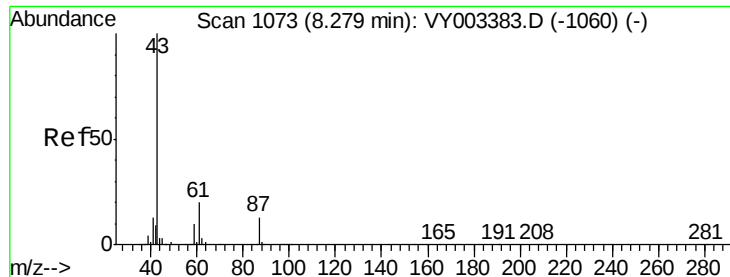
MMDadoda
8/4/2020 1:51:07 PM



#42
1,2-Dichloroethane
Concen: 47.255 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	62	Resp	286834
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

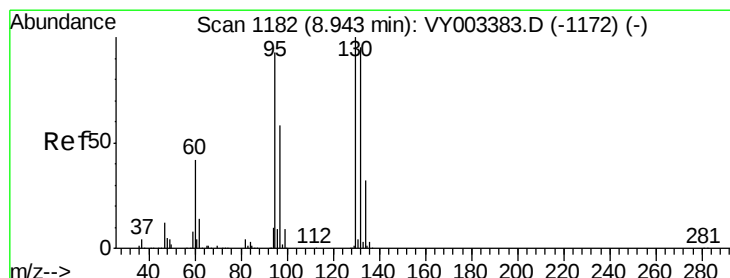
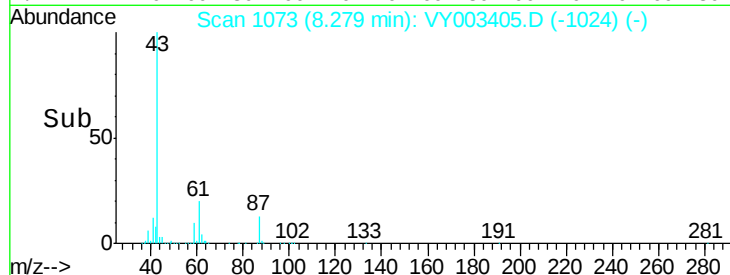
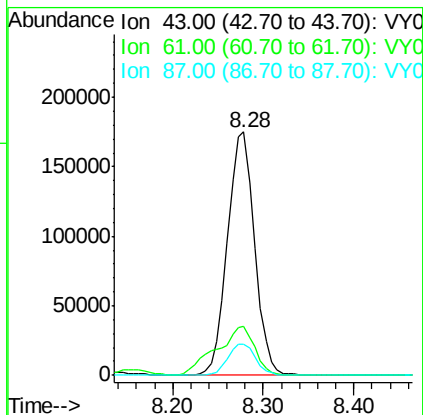
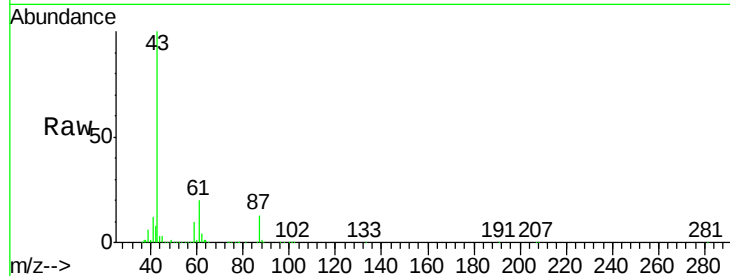
Isopropyl Acetate
 Concen: 47.109 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.0	34.4
87	13.4	10.5	15.7

Manual Integrations
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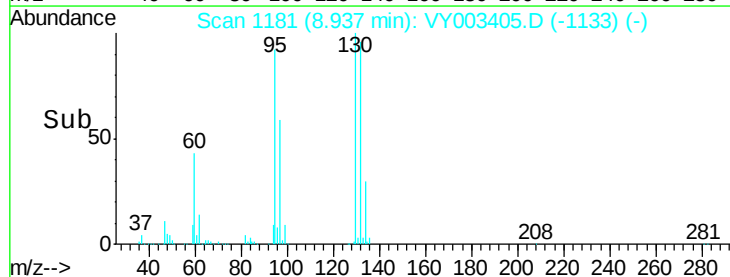
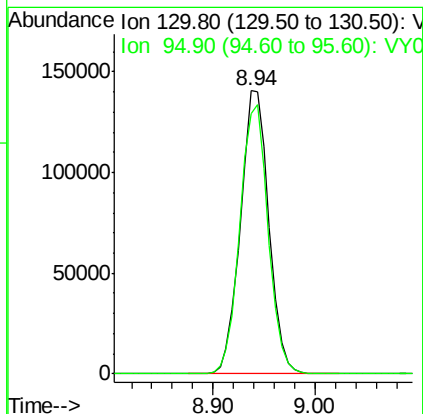
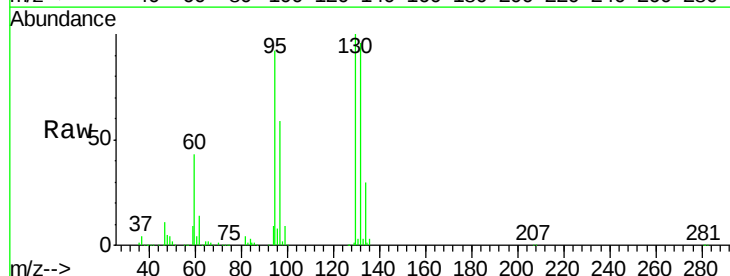
MMDadoda
 8/4/2020 1:51:07 PM

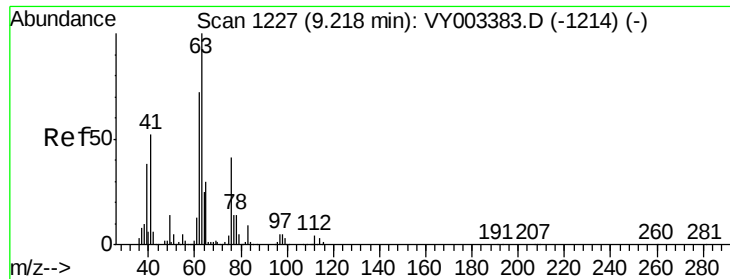


#44

Trichloroethene
 Concen: 47.387 ug/l
 RT: 8.94 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	186.8





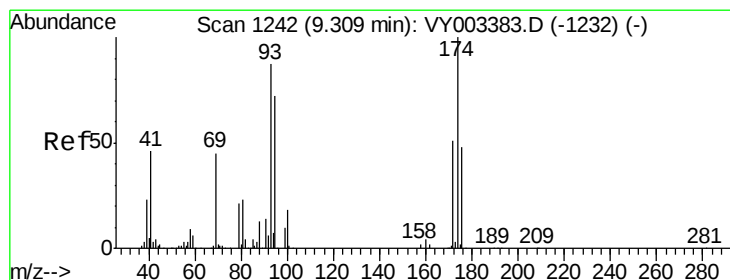
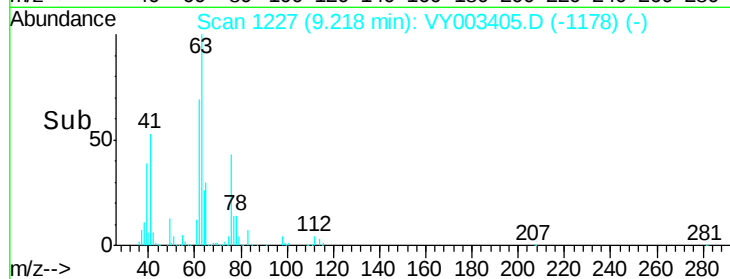
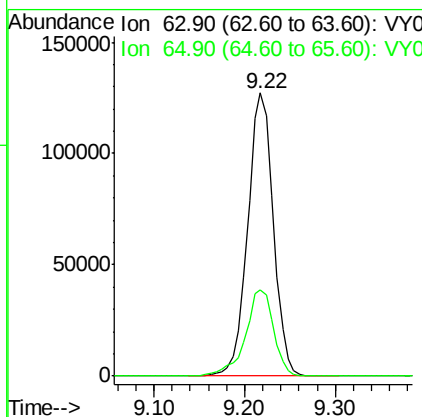
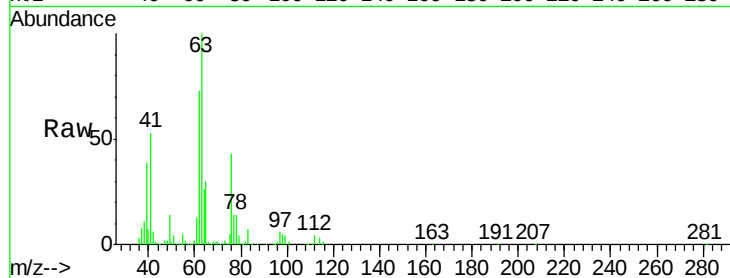
#45
 1,2-Dichloropropane
 Concen: 47.644 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.8	35.8

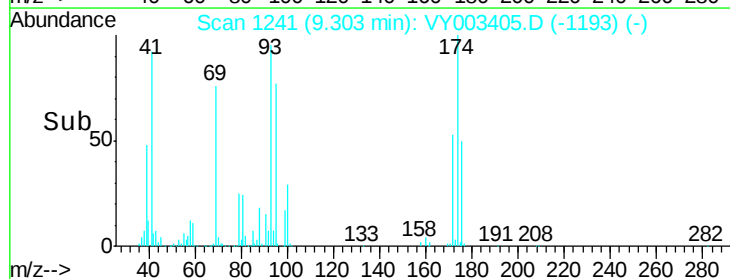
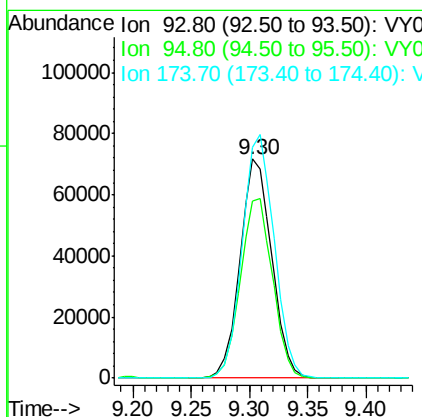
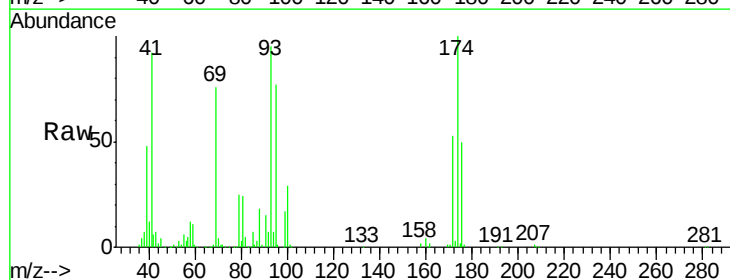
Manual Integrations
 APPROVED

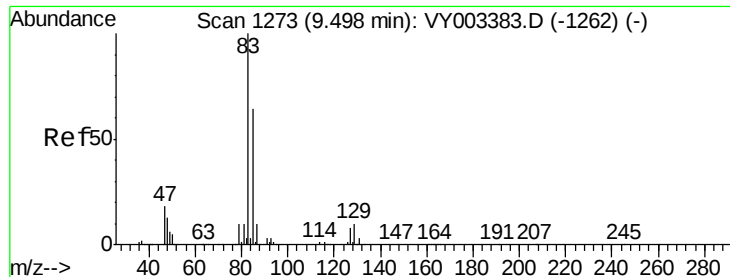
MMDadoda
 8/4/2020 1:51:07 PM



#46
 Dibromomethane
 Concen: 46.517 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.4	98.0
174	112.0	88.6	133.0





#47

Bromodichloromethane

Concen: 48.040 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

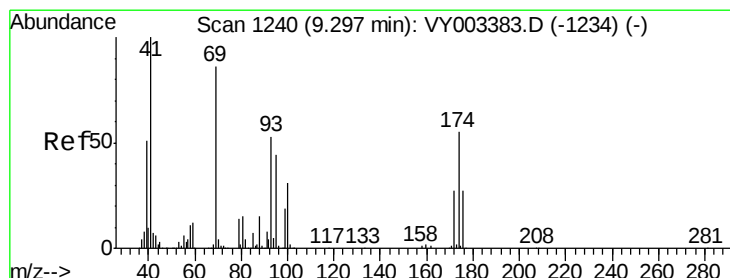
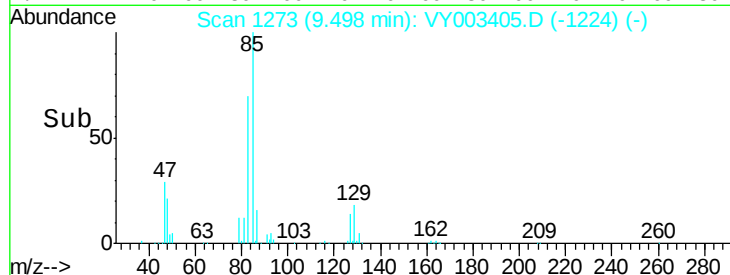
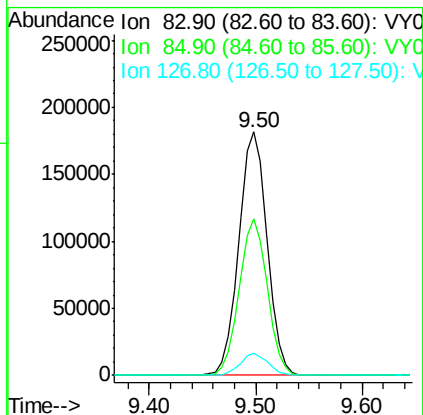
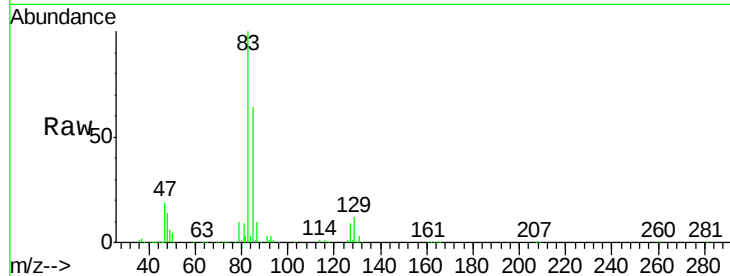
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	338981
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.6	77.4
127	9.2	6.5	9.7

Manual Integrations
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8/4/2020 1:51:07 PM



#48

Methyl methacrylate

Concen: 48.591 ug/l

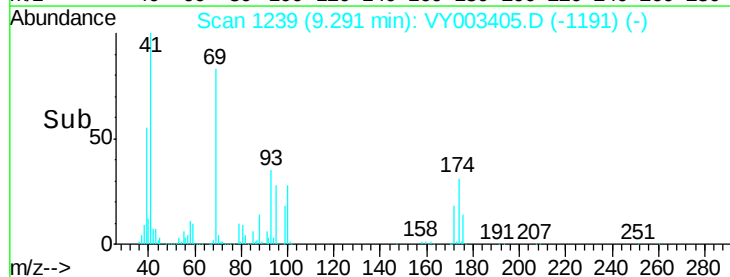
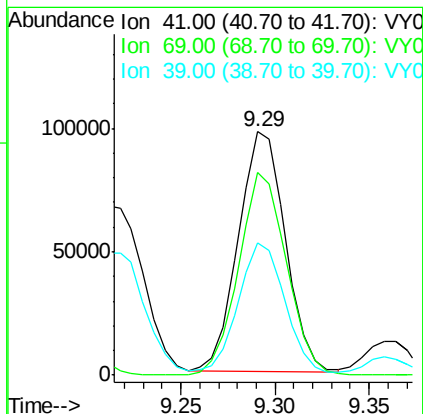
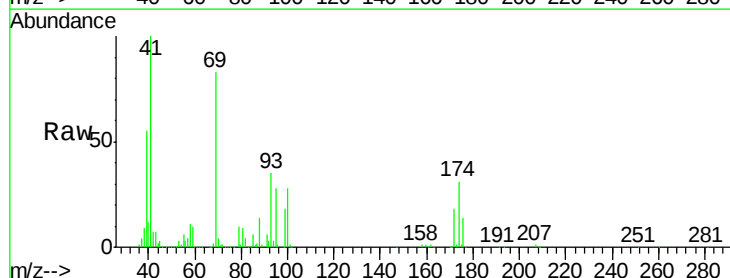
RT: 9.29 min Scan# 1239

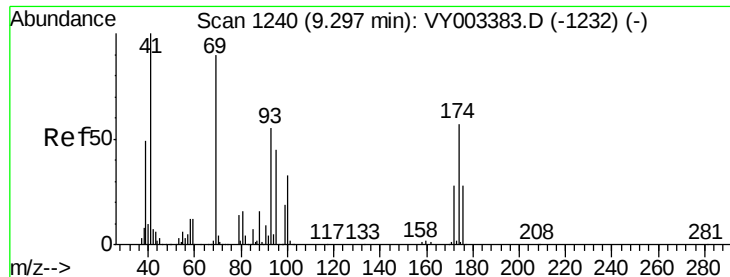
Delta R.T. -0.01 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Tgt Ion:	41	Resp:	169086
Ion Ratio	Lower	Upper	
41	100		
69	85.6	68.9	103.3
39	53.0	43.1	64.7





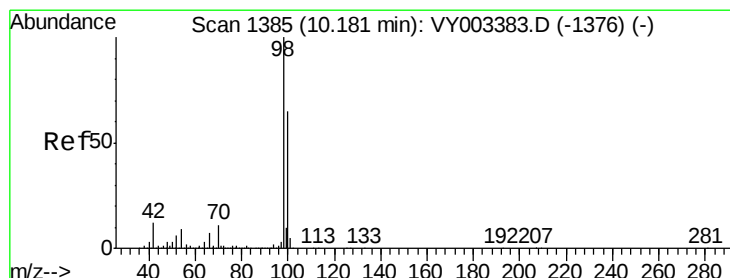
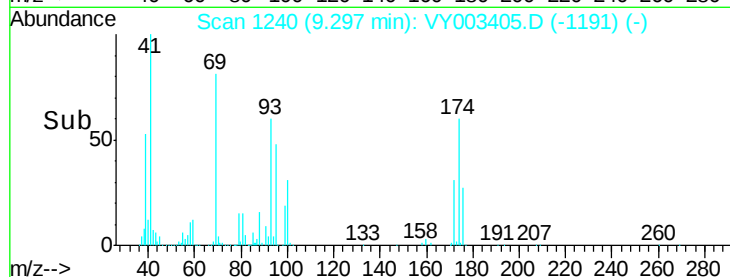
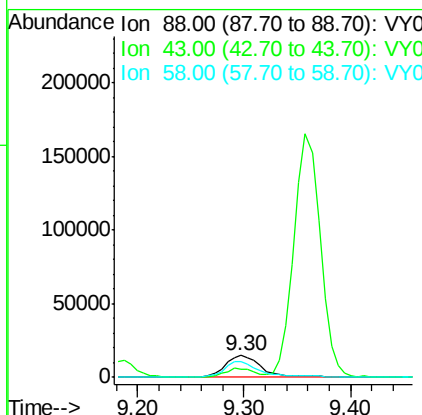
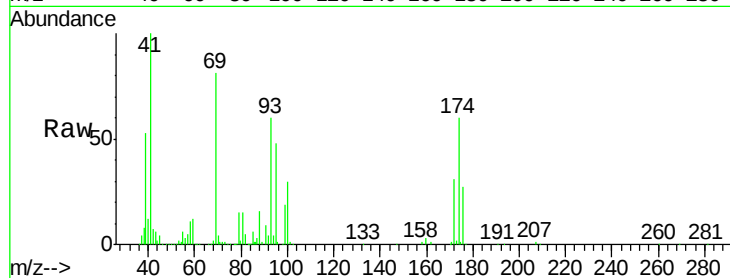
#49
1,4-Dioxane
Concen: 939.164 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	35594
Ion	Ratio	Lower	Upper
88	100		
43	33.3	24.9	37.3
58	74.4	54.3	81.5

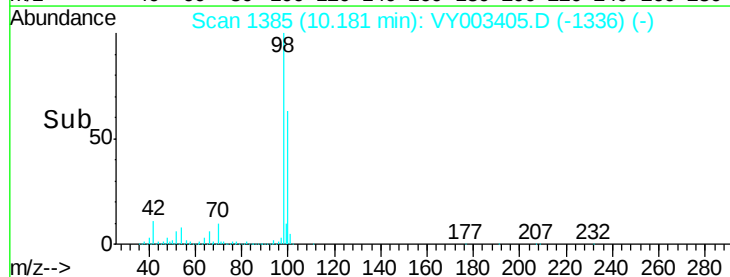
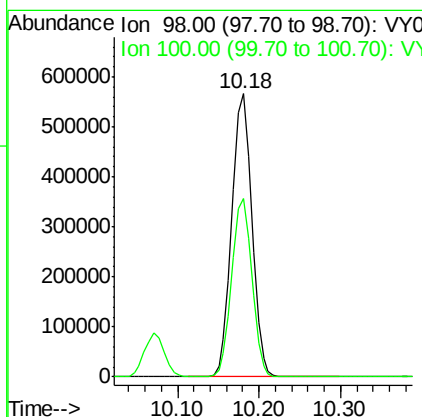
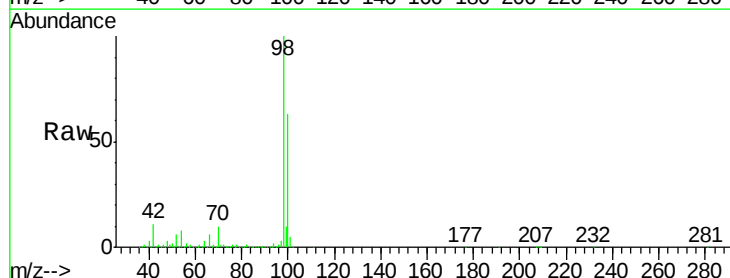
Manual Integrations
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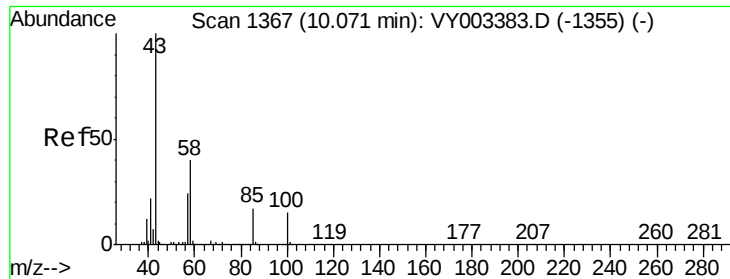
MMDadoda
8/4/2020 1:51:07 PM



#50
Toluene-d8
Concen: 54.683 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	98	Resp	957429
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 238.876 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 965044

Ion Ratio Lower Upper

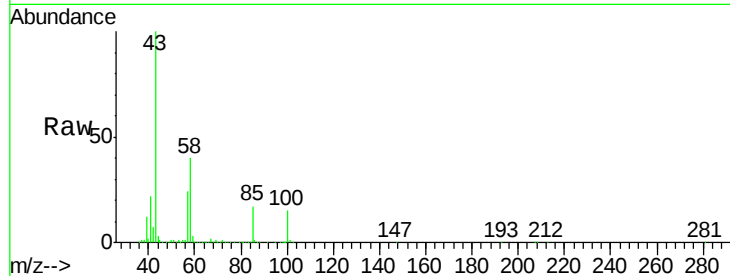
43 100

58 39.4 31.6 47.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

600000

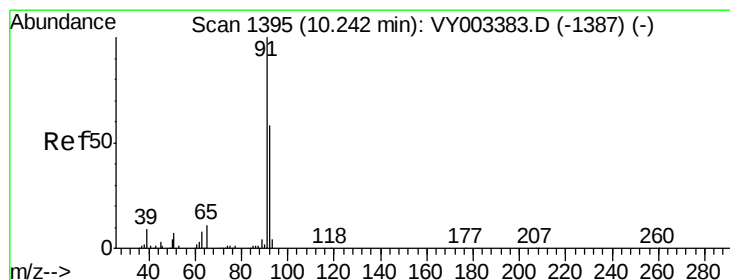
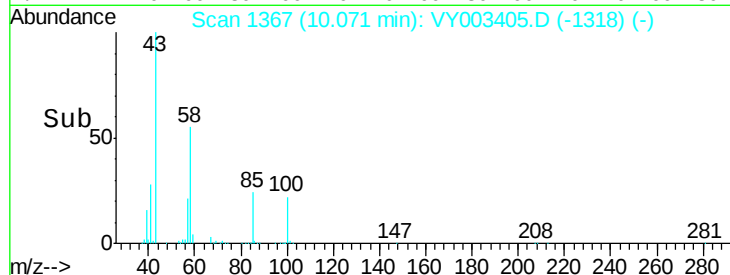
400000

200000

0

10.07

Time-->



#52

Toluene

Concen: 47.754 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003405.D

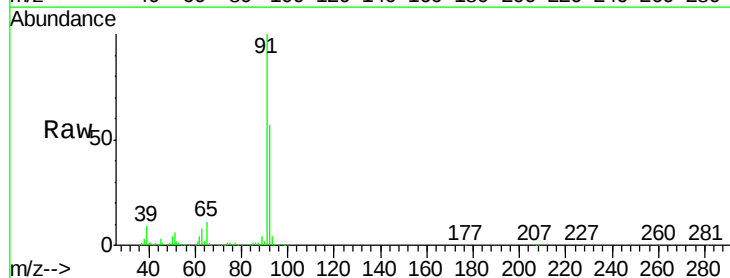
Acq: 03 Aug 2020 10:03

Tgt Ion: 92 Resp: 596906

Ion Ratio Lower Upper

92 100

91 175.3 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

600000

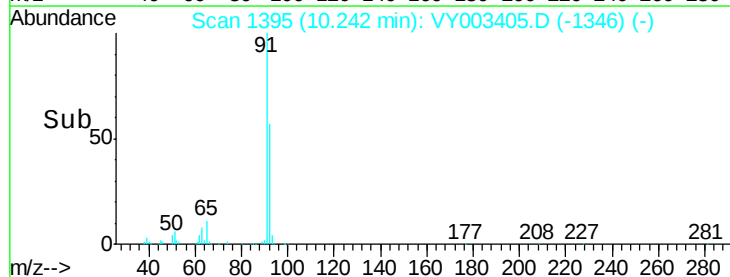
400000

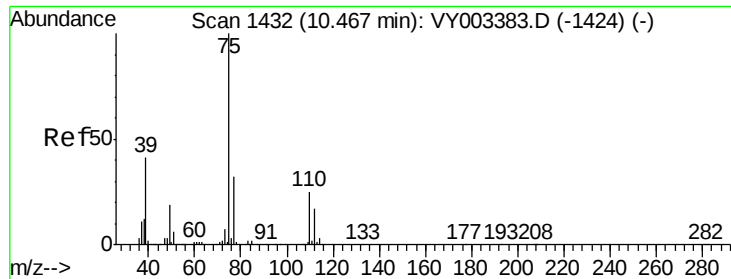
200000

0

10.24

Time-->





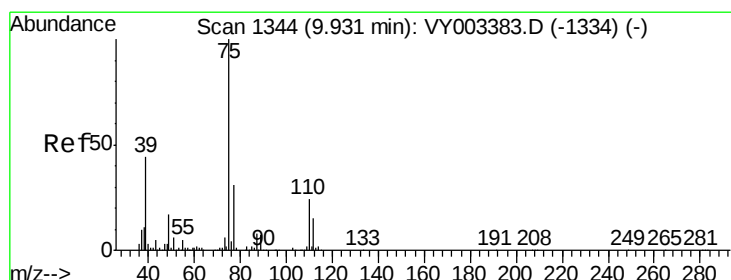
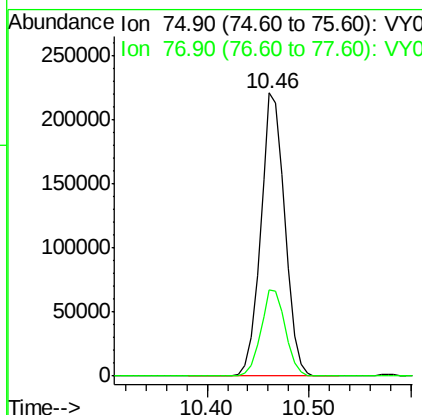
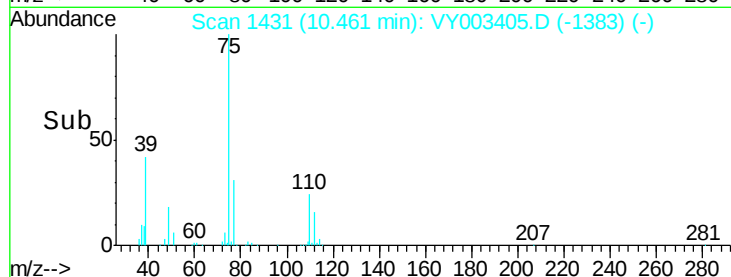
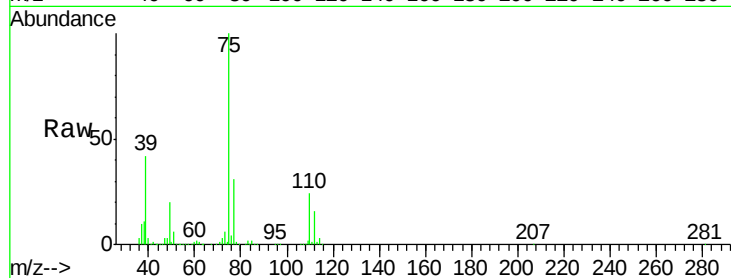
#53
 t-1,3-Dichloropropene
 Concen: 48.368 ug/l
 RT: 10.46 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 362234
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.4 38.2

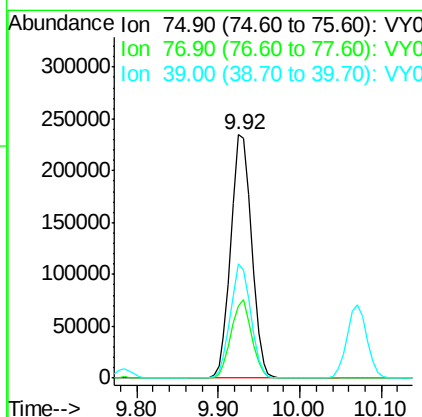
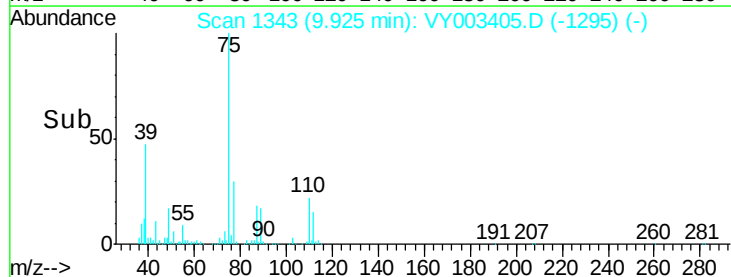
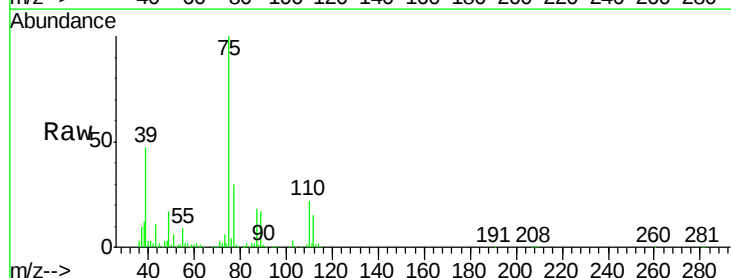
Manual Integrations
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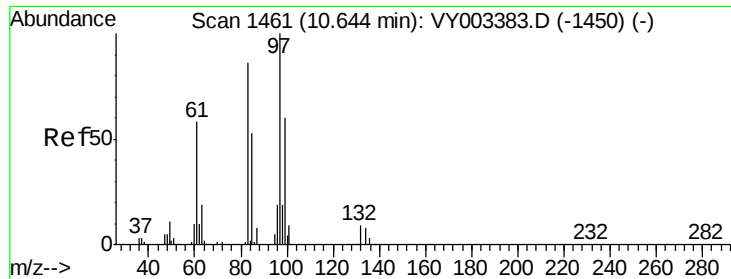
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 48.293 ug/l
 RT: 9.92 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion: 75 Resp: 409877
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.8 37.2
 39 46.8 34.8 52.2





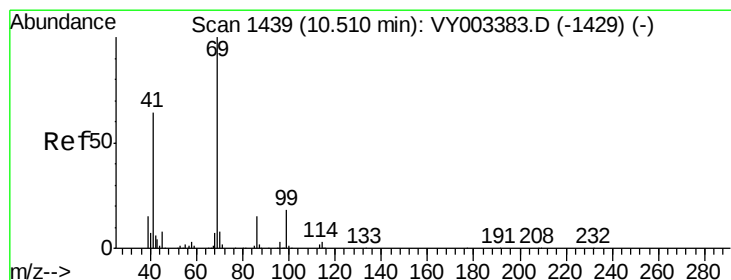
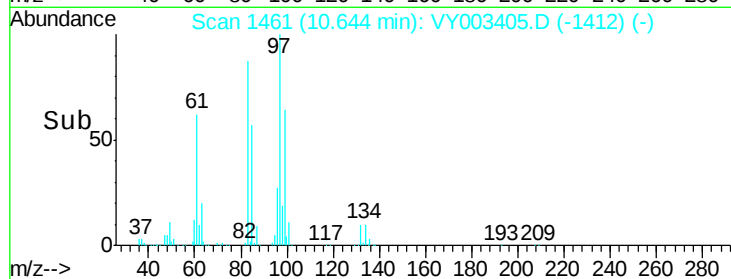
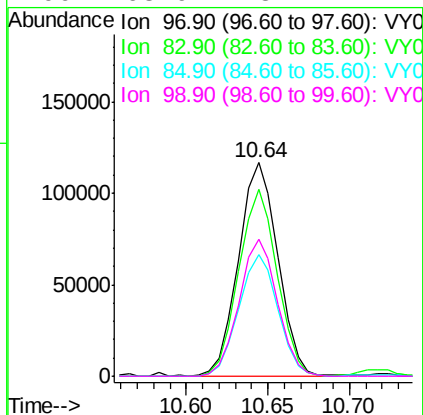
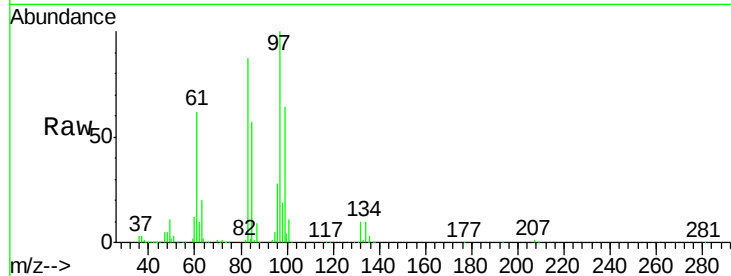
#55
 1,1,2-Trichloroethane
 Concen: 47.816 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	196396
Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.1	103.7
85	56.6	42.5	63.7
99	63.9	48.2	72.4

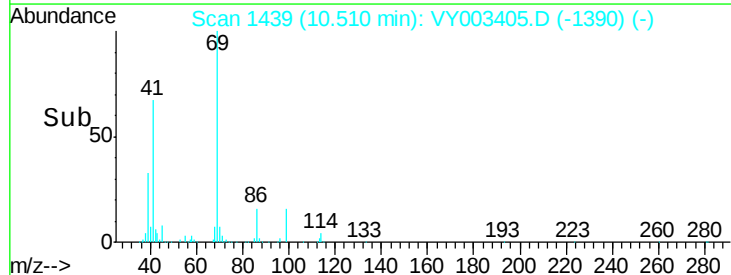
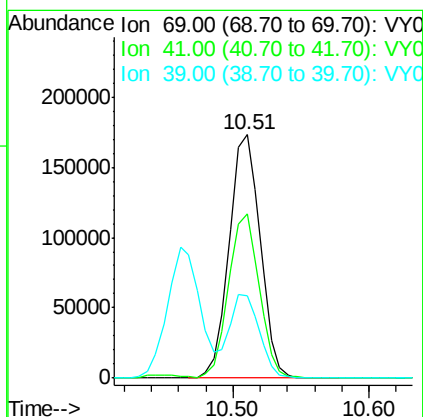
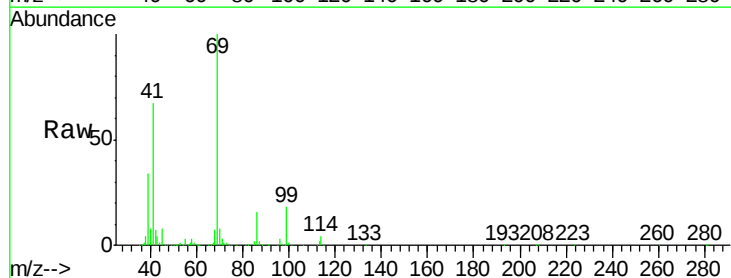
Manual Integrations
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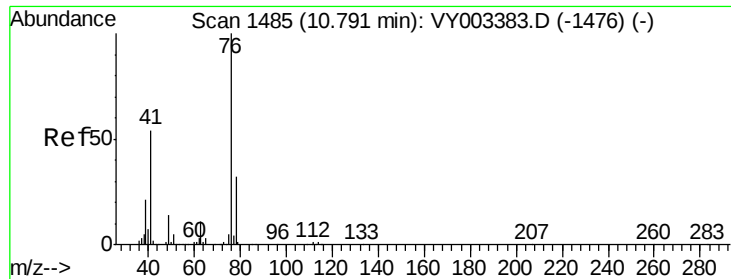
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#56
 Ethyl methacrylate
 Concen: 48.398 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion:	69	Resp:	275204
Ion	Ratio	Lower	Upper
69	100		
41	66.4	52.2	78.4
39	34.0	24.7	37.1





#57

1,3-Dichloropropane

Concen: 47.659 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 340199

Ion Ratio Lower Upper

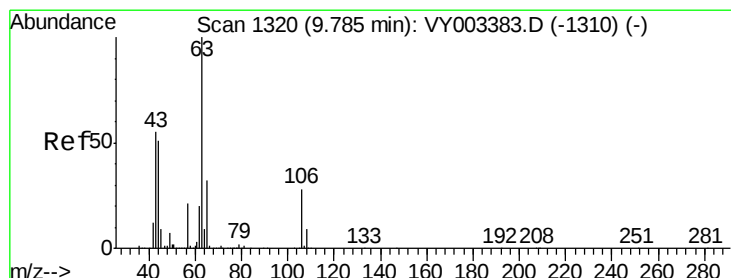
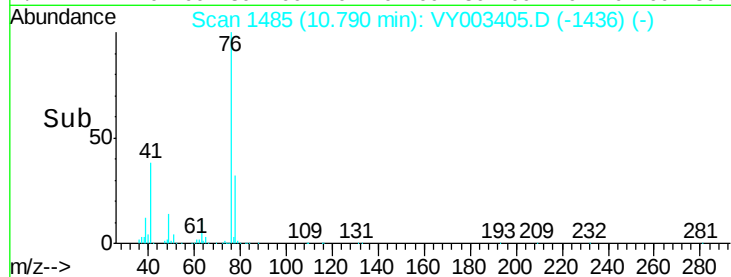
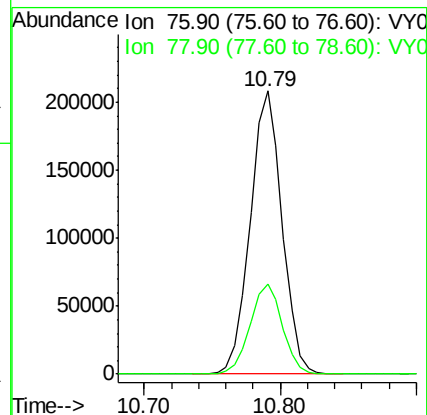
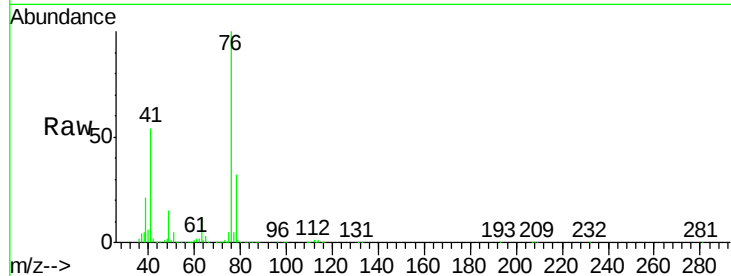
76 100

78 32.3 26.1 39.1

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 259.914 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003405.D

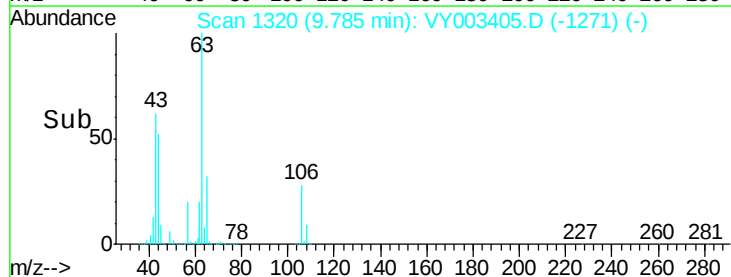
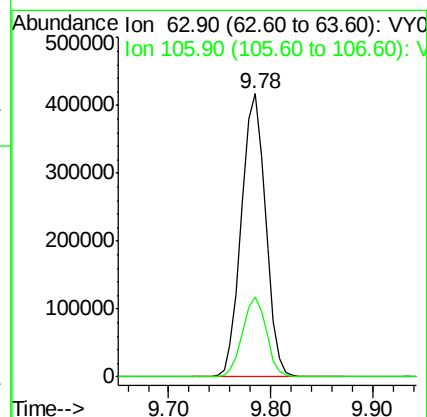
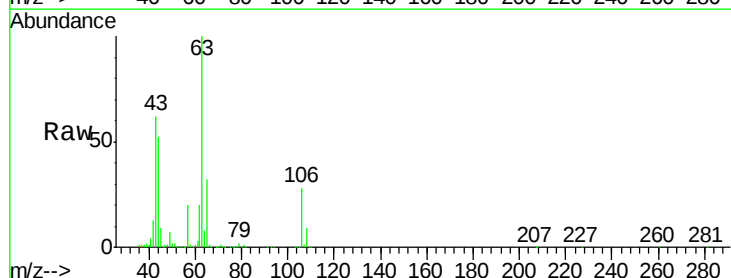
Acq: 03 Aug 2020 10:03

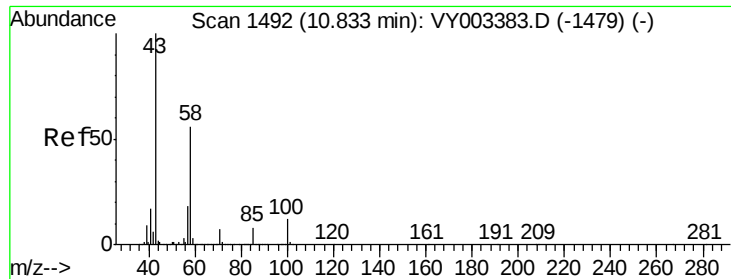
Tgt Ion: 63 Resp: 684558

Ion Ratio Lower Upper

63 100

106 27.6 21.8 32.6





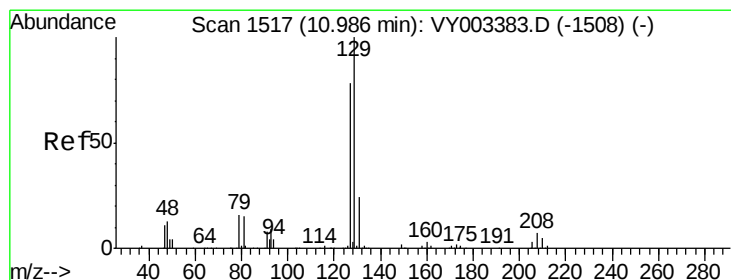
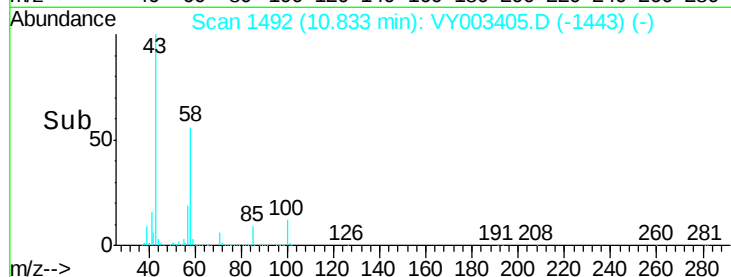
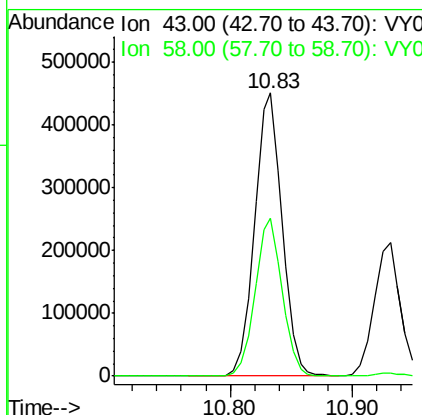
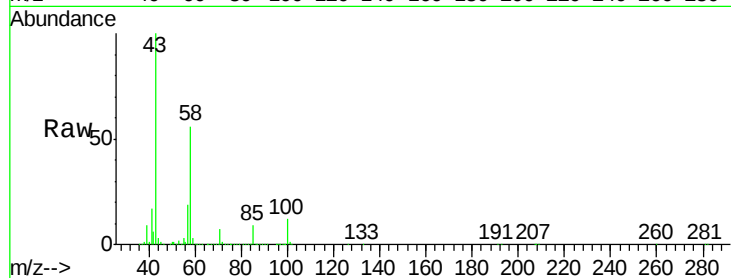
#59
2-Hexanone
Concen: 250.708 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 705862
Ion Ratio Lower Upper
43 100
58 54.9 27.6 82.8

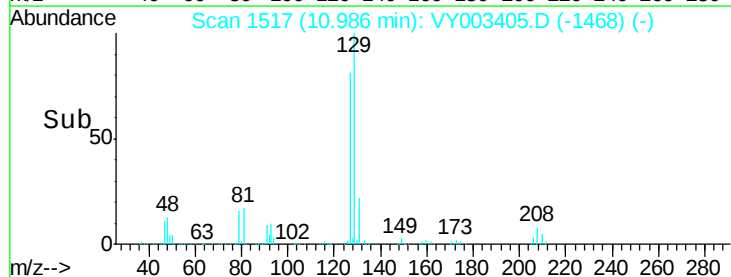
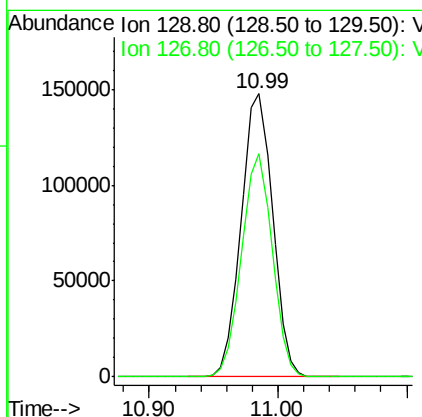
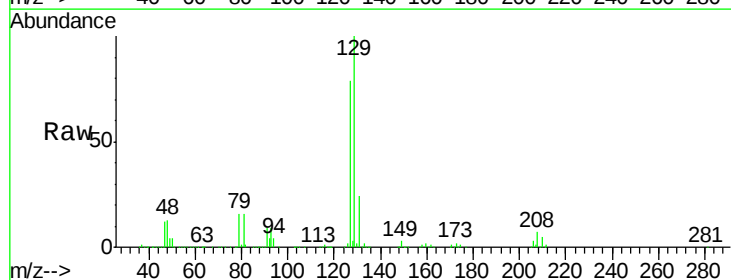
Manual Integrations
APPROVED

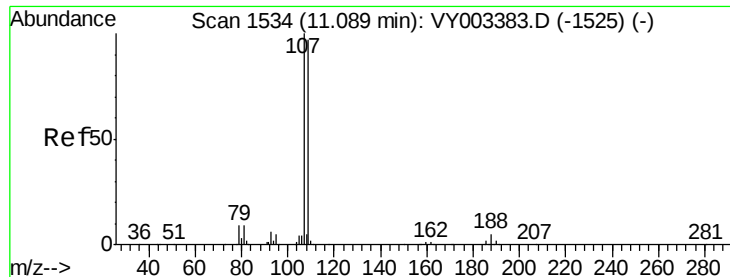
MMDadoda
8/4/2020 1:51:07 PM



#60
Dibromochloromethane
Concen: 48.535 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion: 129 Resp: 250347
Ion Ratio Lower Upper
129 100
127 76.6 38.7 116.1





#61

1,2-Dibromoethane

Concen: 47.460 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 188851

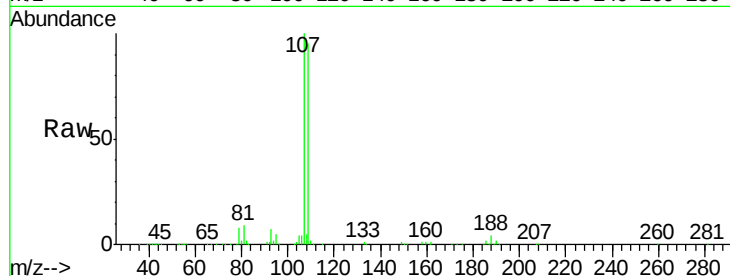
Ion Ratio Lower Upper

107 100

109 93.8 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
8/4/2020 1:51:07 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

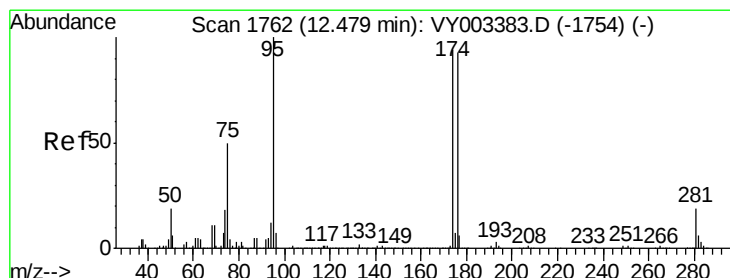
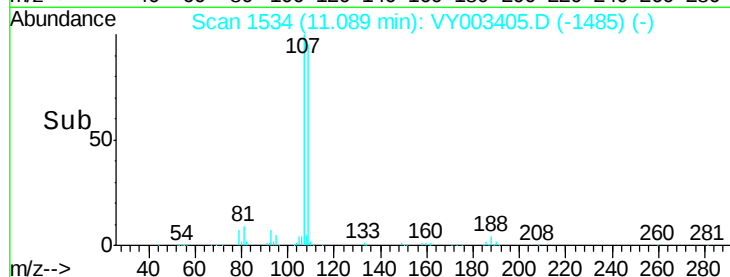
11.09

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.155 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

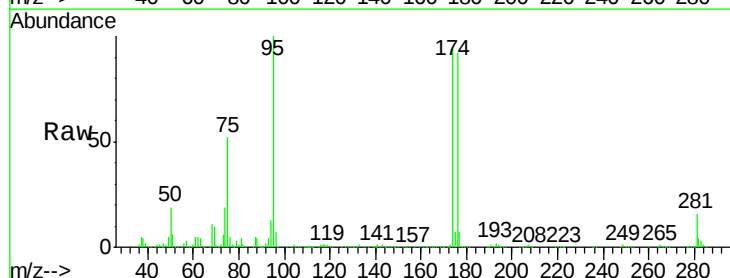
Tgt Ion: 95 Resp: 323973

Ion Ratio Lower Upper

95 100

174 95.9 0.0 190.0

176 92.6 0.0 184.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

250000

200000

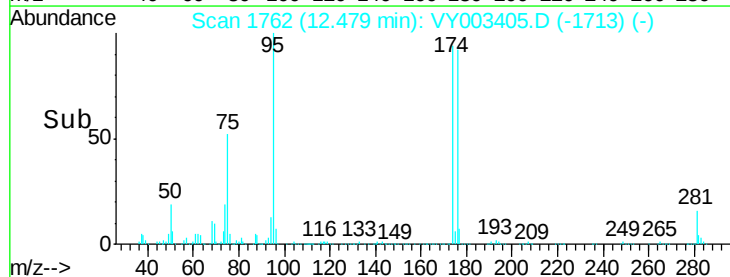
150000

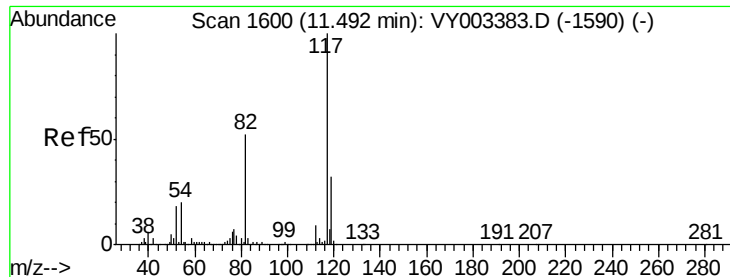
100000

50000

0

Time-->





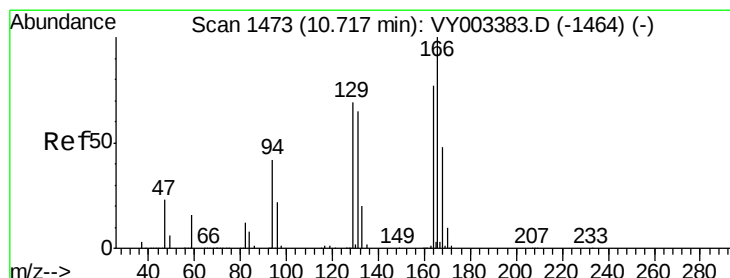
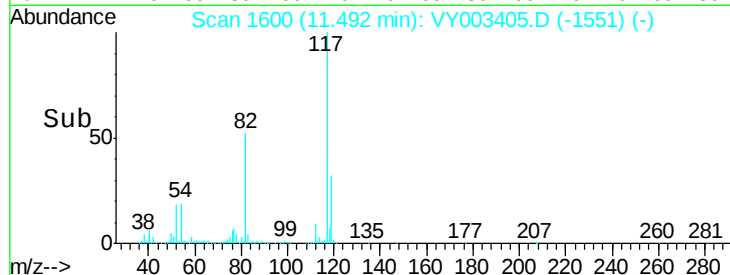
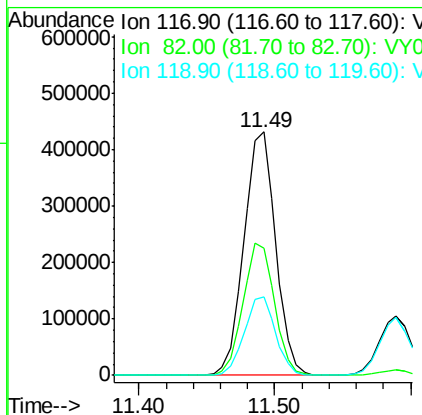
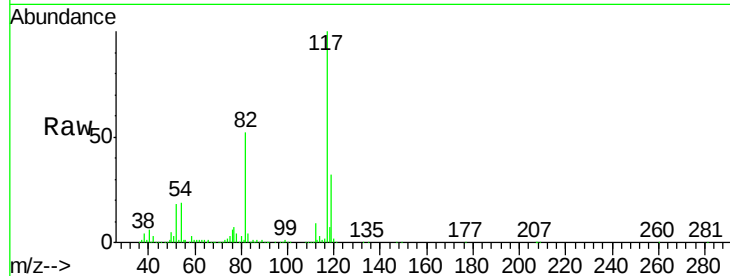
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	701285		
82	52.1		41.9	62.9
119	32.4		25.4	38.0

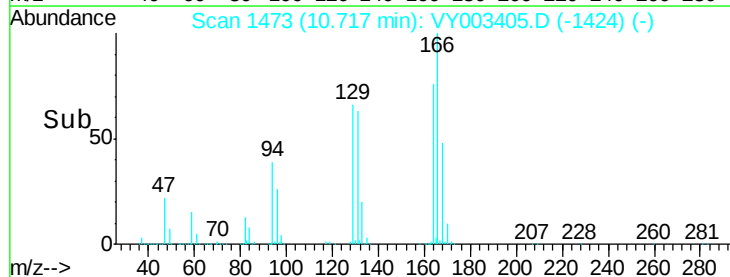
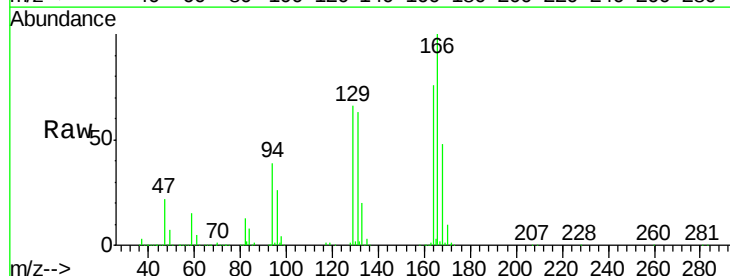
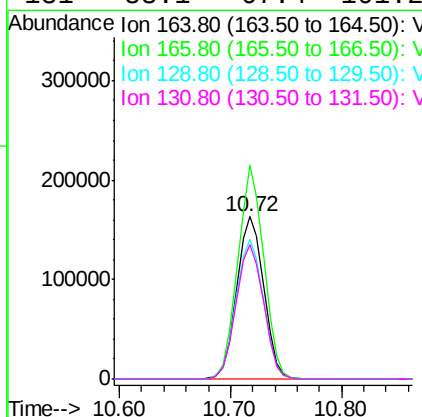
Manual Integrations
APPROVED

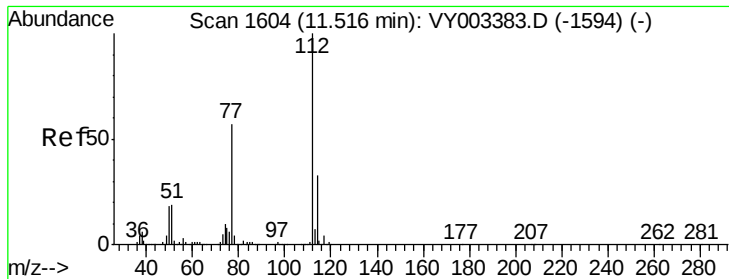
MMDadoda
8/4/2020 1:51:07 PM



#64
Tetrachloroethene
Concen: 46.710 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	273847		
166	131.5		103.3	154.9
129	86.3		71.2	106.8
131	83.1		67.4	101.2





#65

Chlorobenzene

Concen: 47.522 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 653980

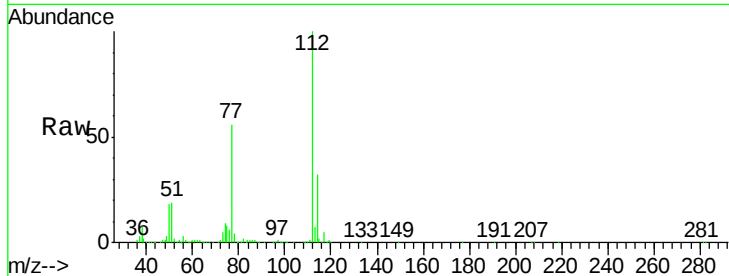
Ion Ratio Lower Upper

112 100

114 31.8 26.1 39.1

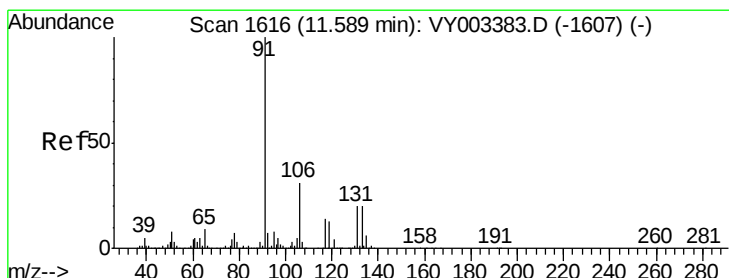
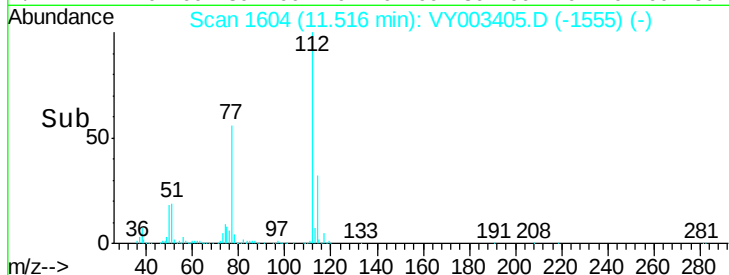
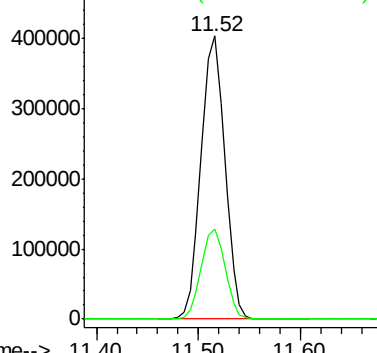
Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.626 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

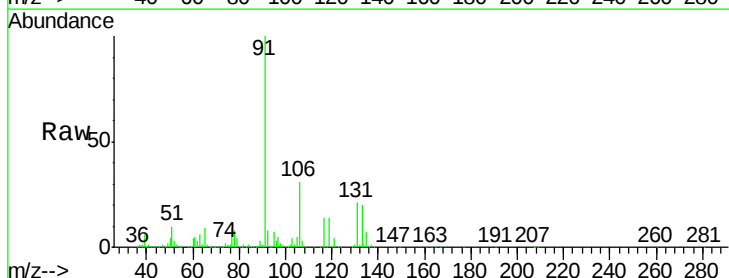
Tgt Ion:131 Resp: 254930

Ion Ratio Lower Upper

131 100

133 96.2 48.1 144.3

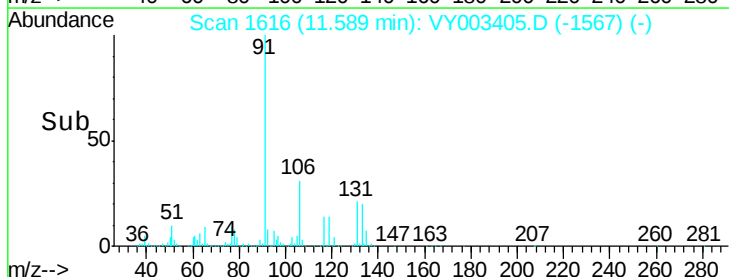
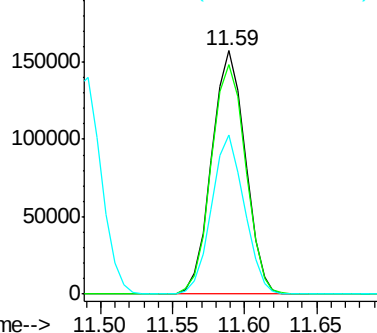
119 63.6 32.0 96.2

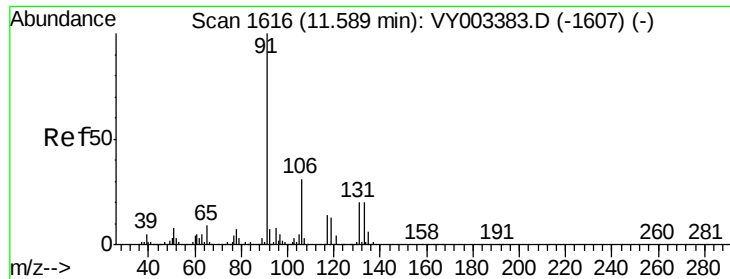


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 47.870 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1187841

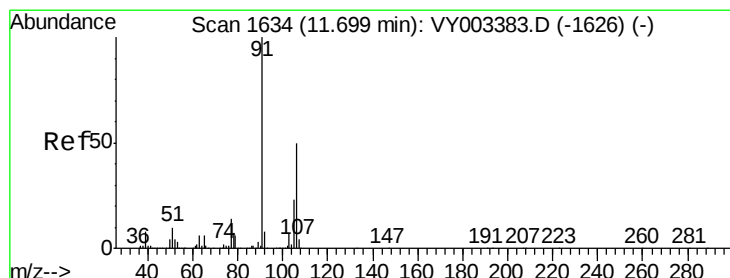
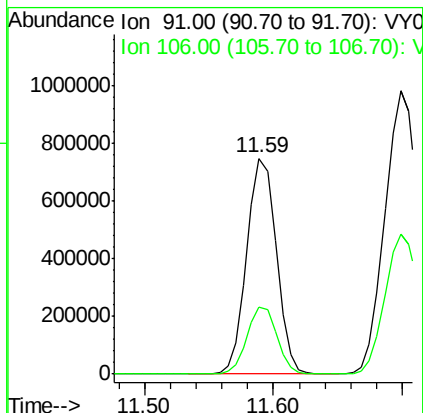
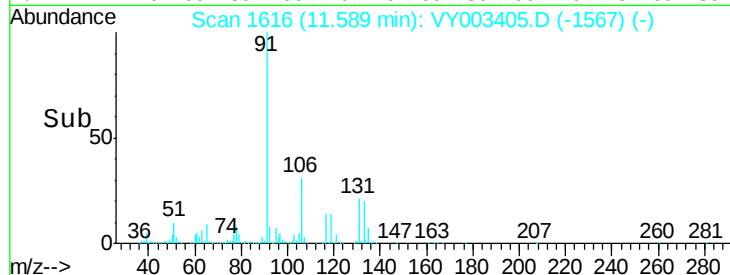
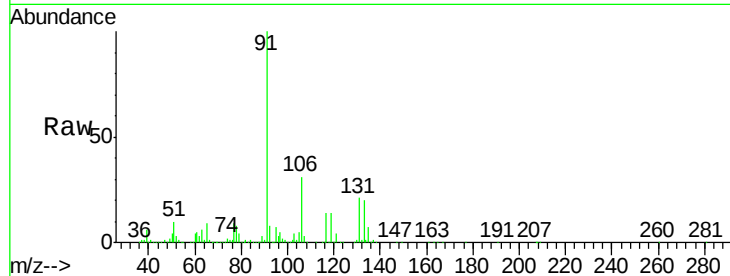
Ion Ratio Lower Upper

91 100

106 30.9 24.4 36.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 95.833 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003405.D

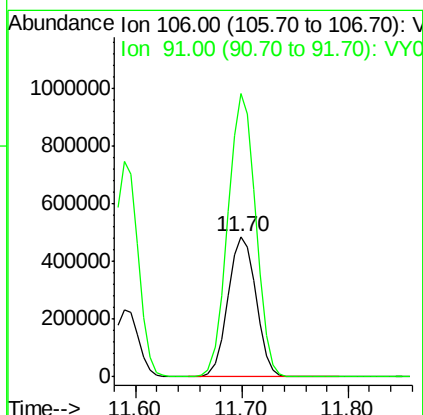
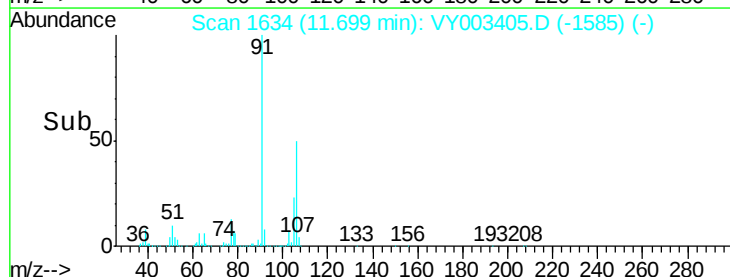
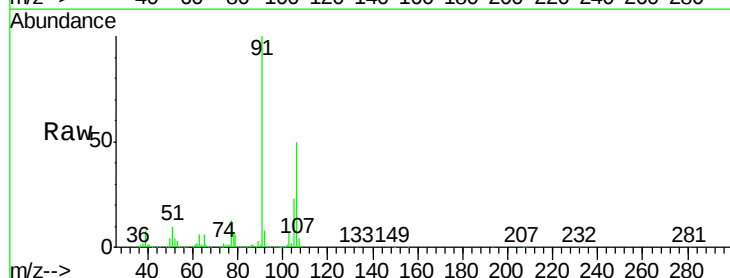
Acq: 03 Aug 2020 10:03

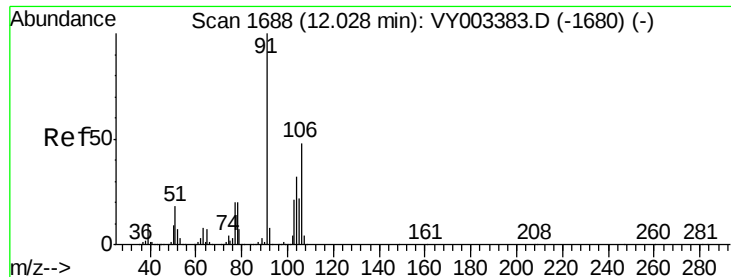
Tgt Ion: 106 Resp: 896481

Ion Ratio Lower Upper

106 100

91 200.4 161.0 241.6





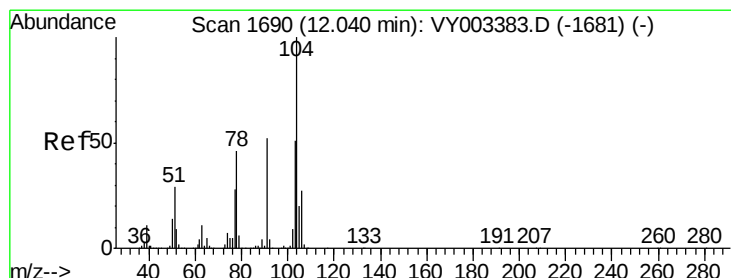
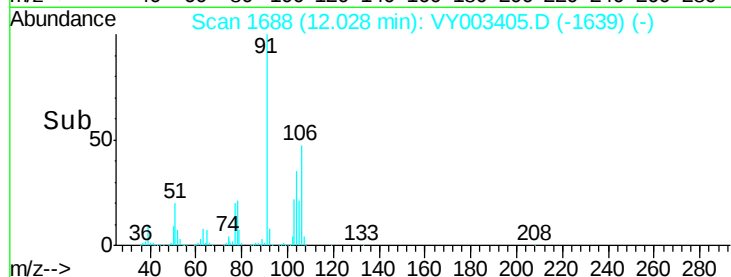
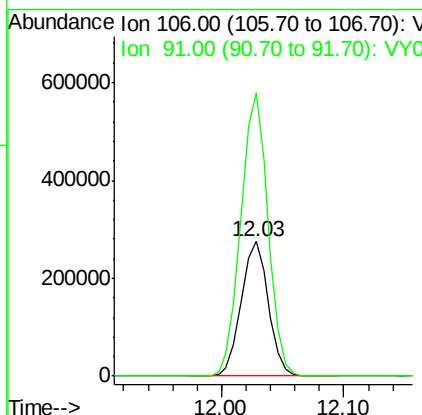
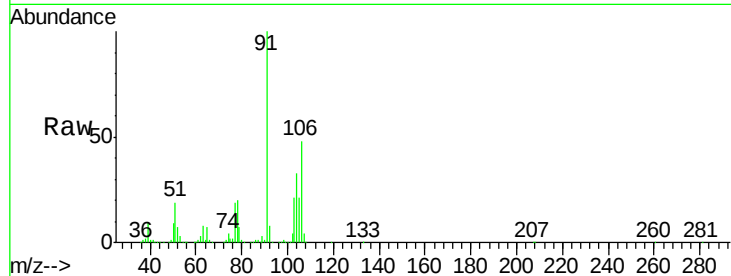
#69
o-Xylene
Concen: 48.280 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
422787	106	100		
	91	209.8	104.6	313.7

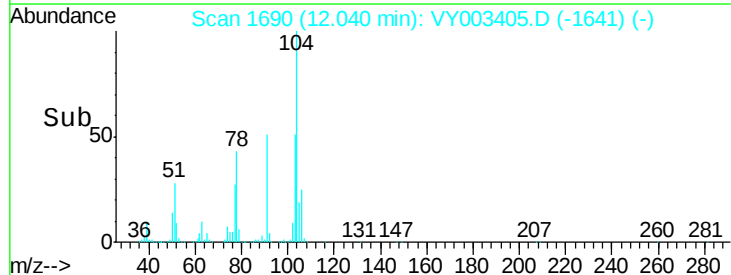
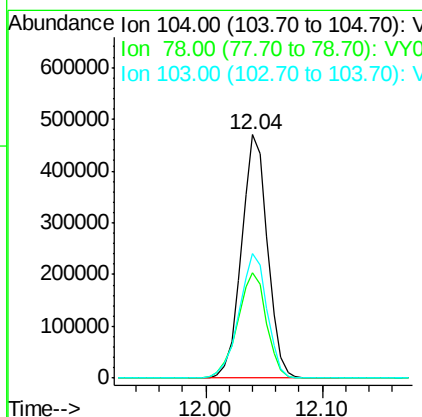
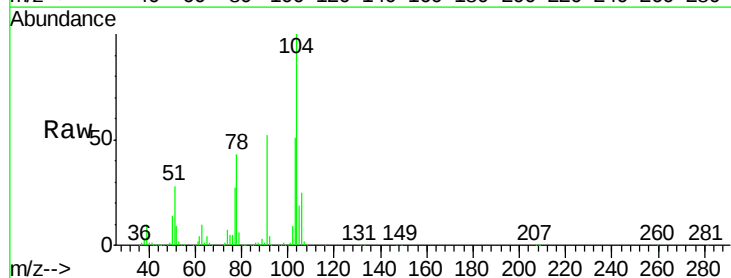
Manual Integrations
APPROVED

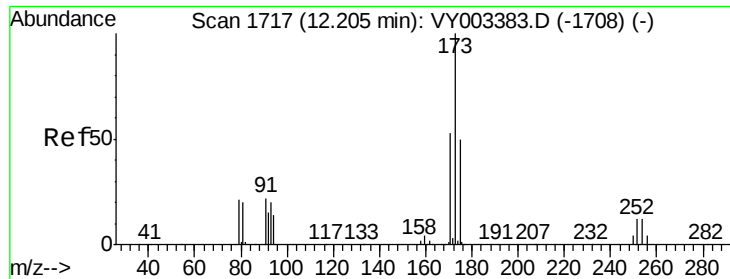
MMDadoda
8/4/2020 1:51:07 PM



#70
Styrene
Concen: 48.767 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ion	Ratio	Lower	Upper
730710	104	100		
	78	47.9	39.3	58.9
	103	55.3	43.7	65.5





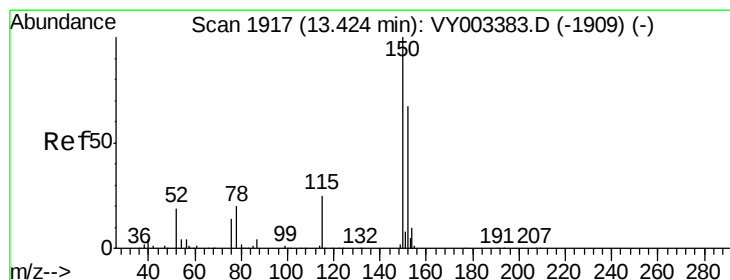
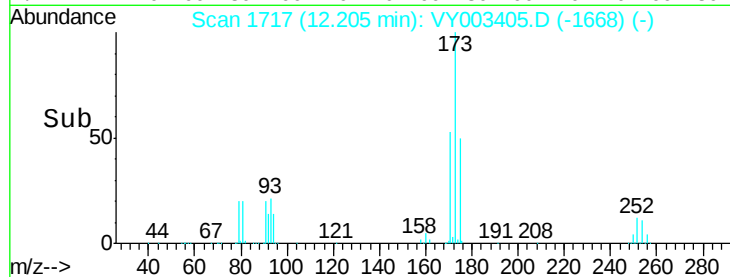
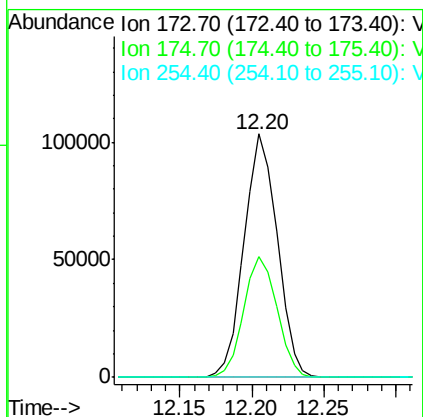
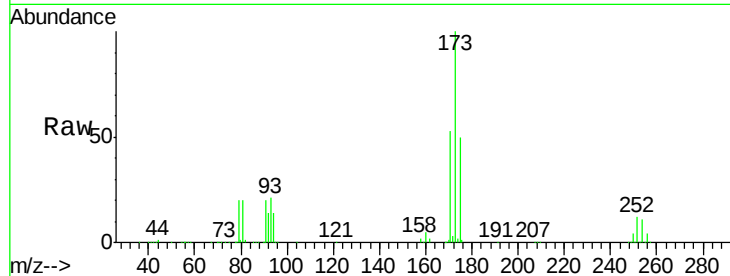
#71
Bromoform
Concen: 47.539 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.2
254	0.2	0.2	0.2

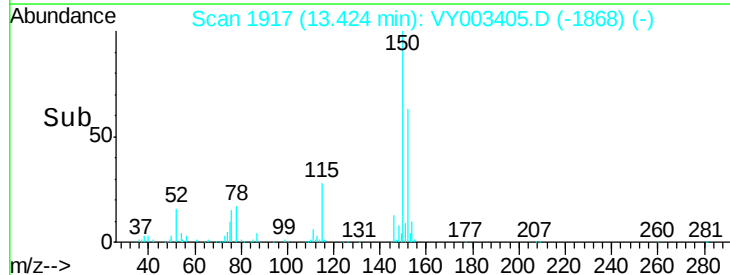
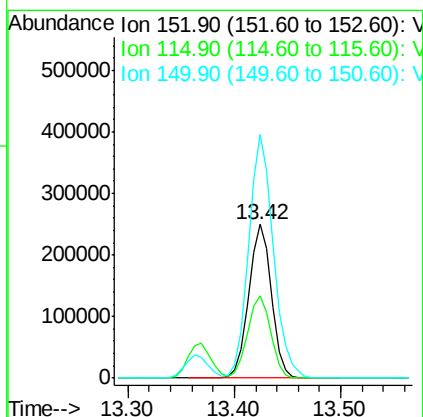
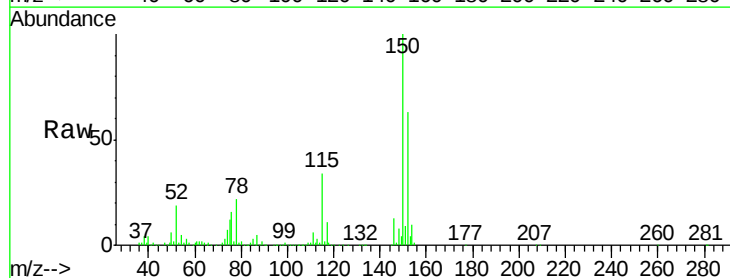
Manual Integrations
APPROVED

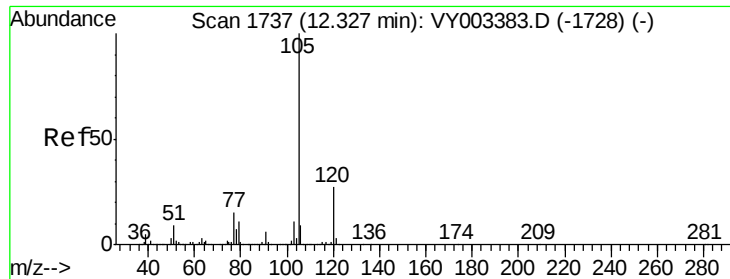
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.2	81.5
150	172.5	0.0	346.8





#73

Isopropylbenzene

Concen: 48.112 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1159807

Ion Ratio Lower Upper

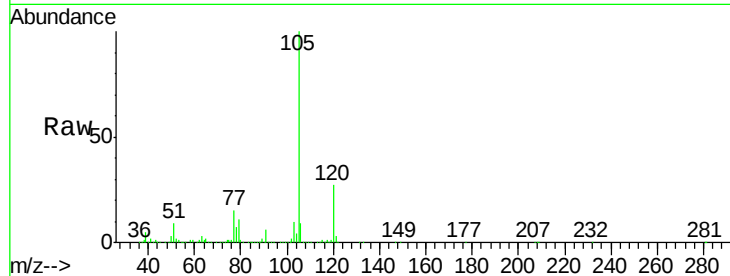
105 100

120 27.1 13.5 40.4

Manual Integrations
APPROVED

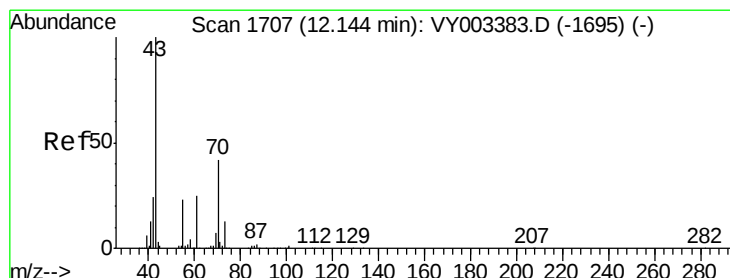
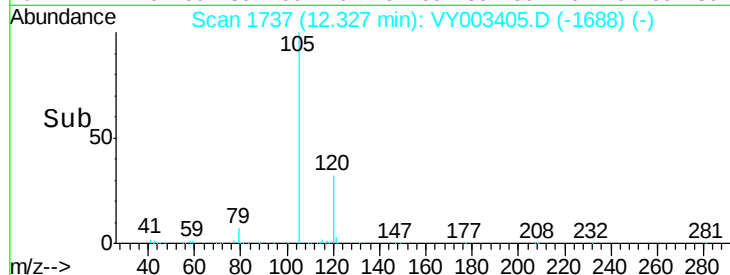
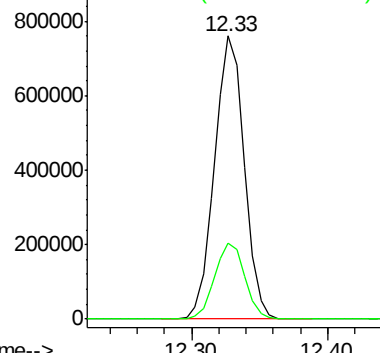
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.314 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Tgt Ion: 43 Resp: 343269

Ion Ratio Lower Upper

43 100

70 42.8 33.6 50.4

55 23.1 18.5 27.7

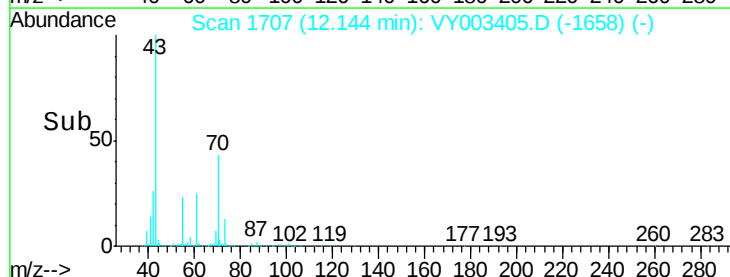
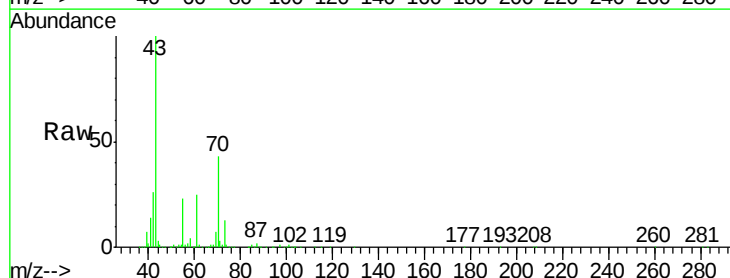
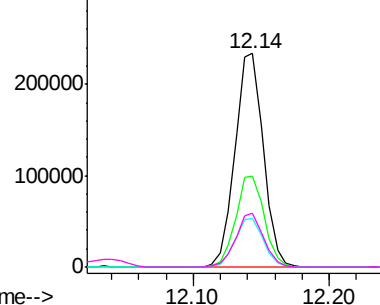
61 24.6 19.8 29.8

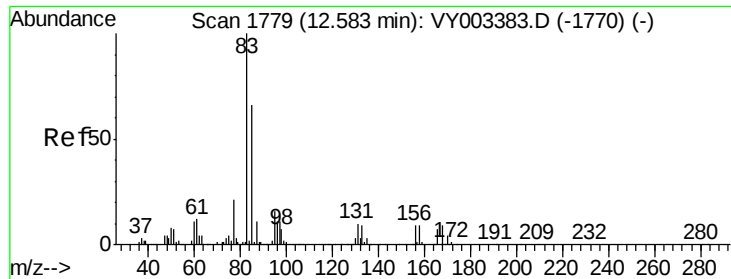
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 48.089 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

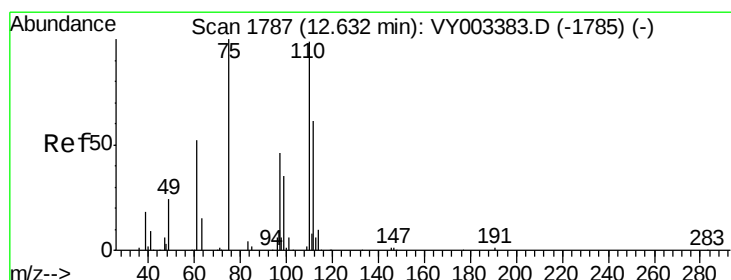
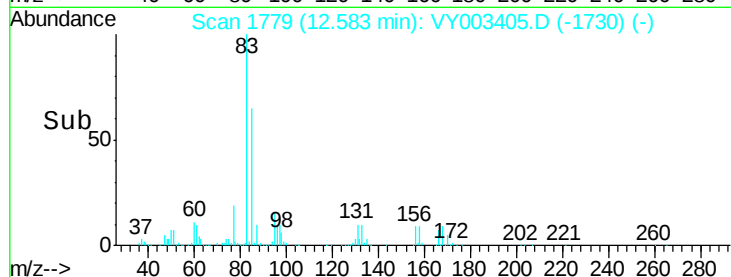
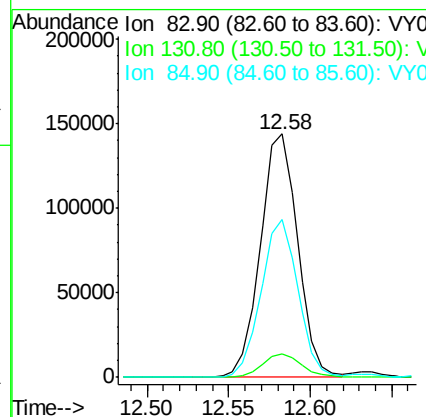
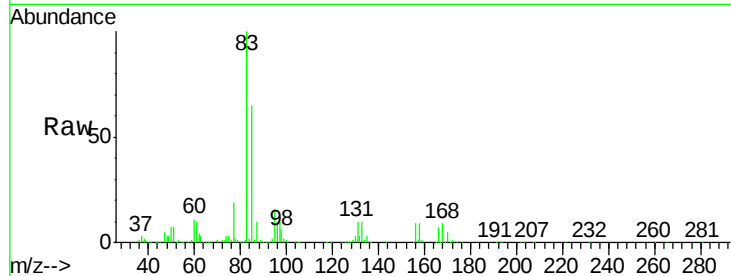
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	229620
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	63.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 48.156 ug/l m

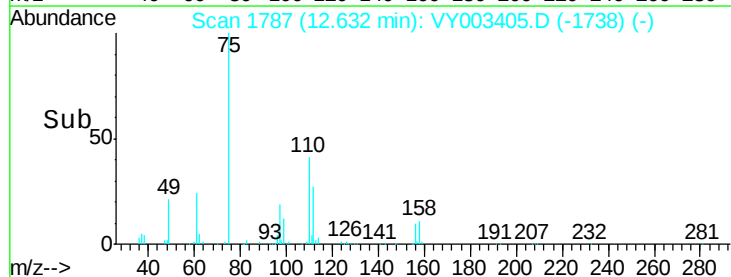
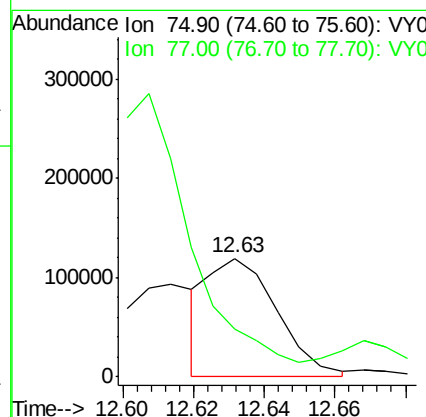
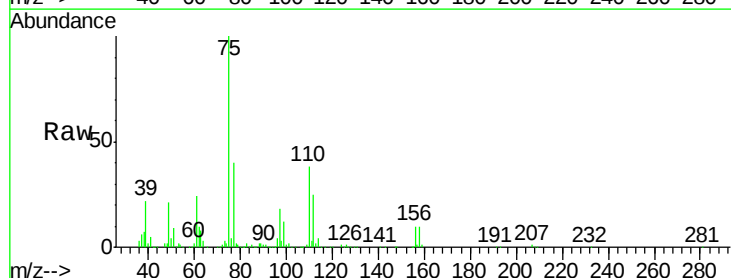
RT: 12.63 min Scan# 1787

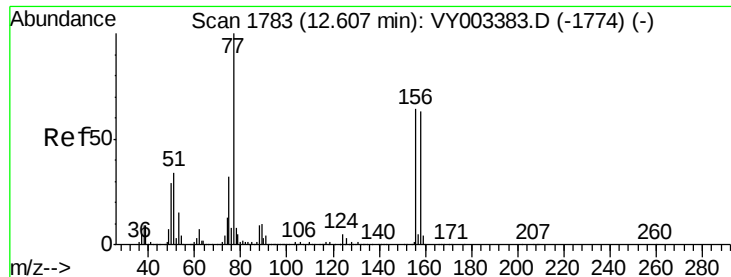
Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Tgt Ion:	75	Resp:	161358
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





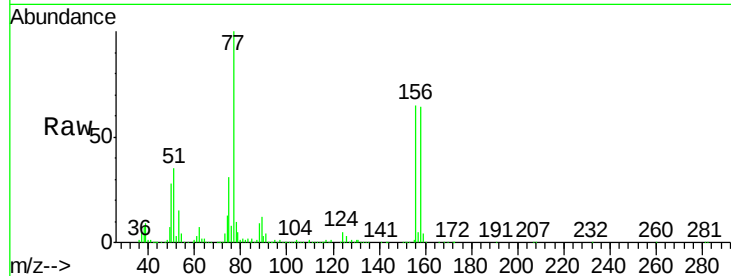
#77
Bromobenzene
Concen: 48.095 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

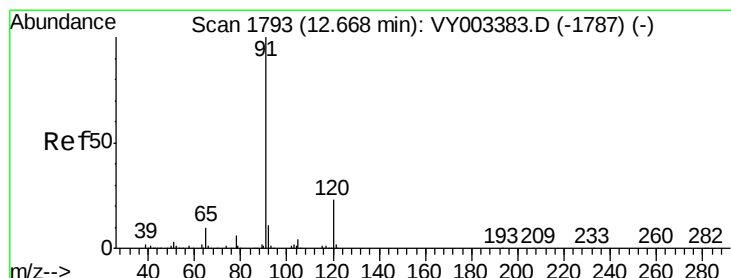
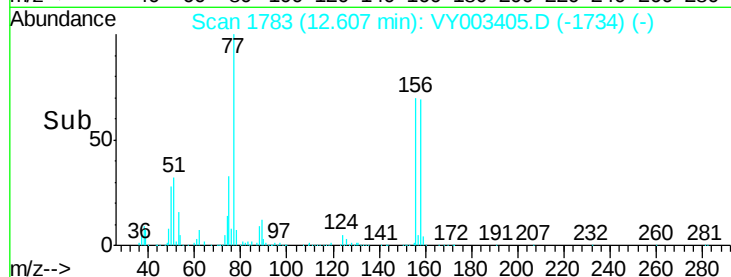
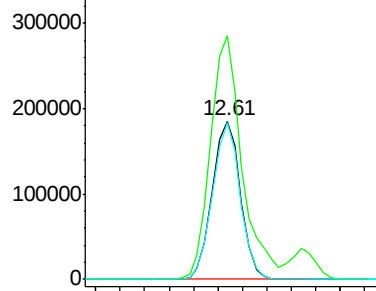
Tot Ion	Ratio	Lower	Upper
156	100		
77	172.6	87.5	262.5
158	97.1	48.7	146.1

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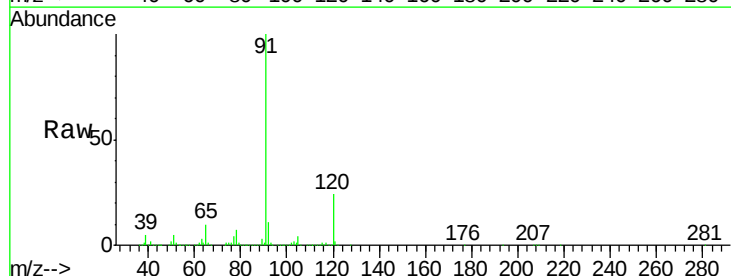


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V

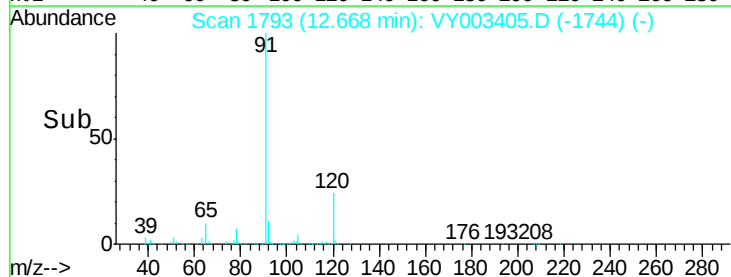
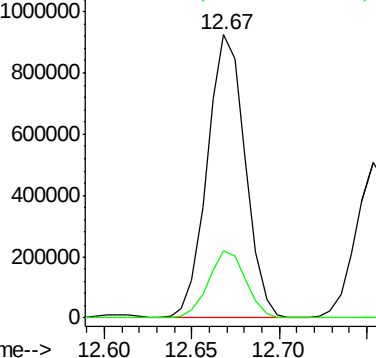


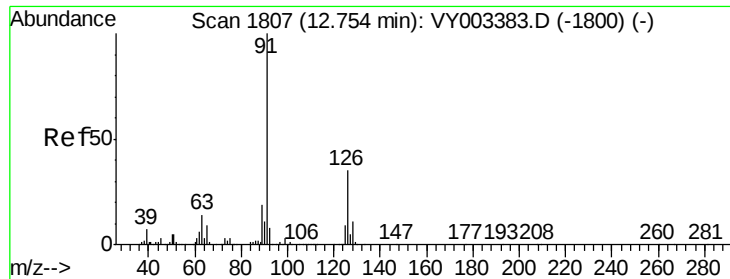
#78
n-propylbenzene
Concen: 48.222 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





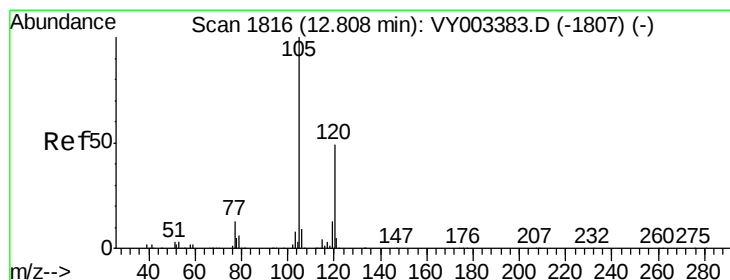
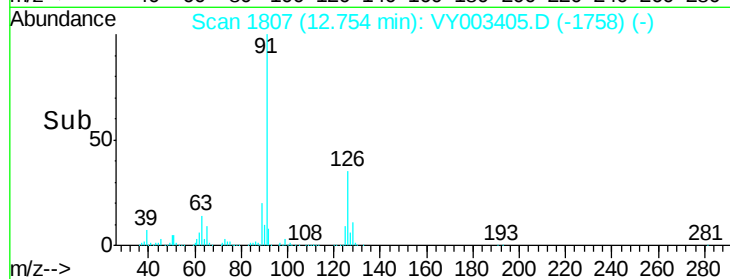
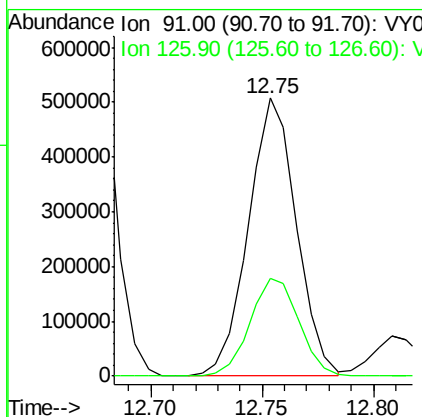
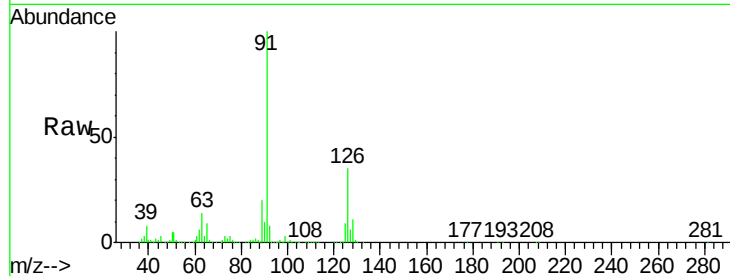
#79
 2-Chlorotoluene
 Concen: 47.531 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.7

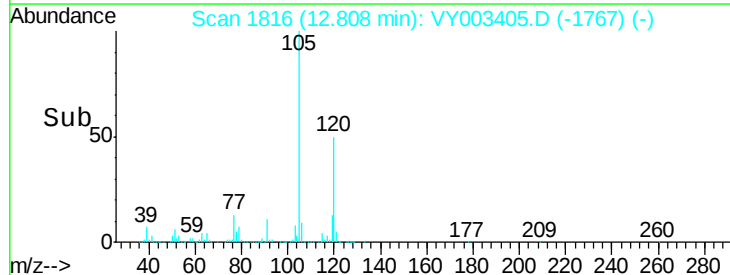
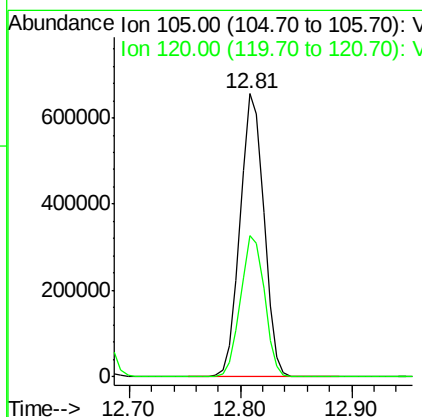
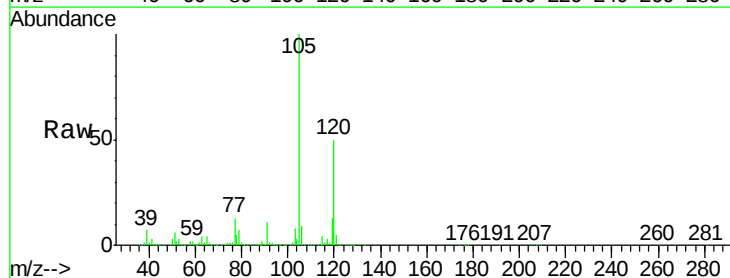
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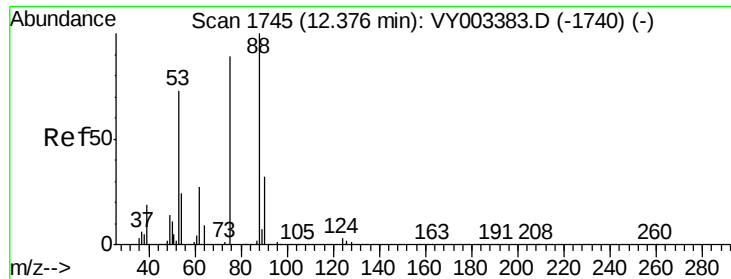
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.080 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.9	74.6





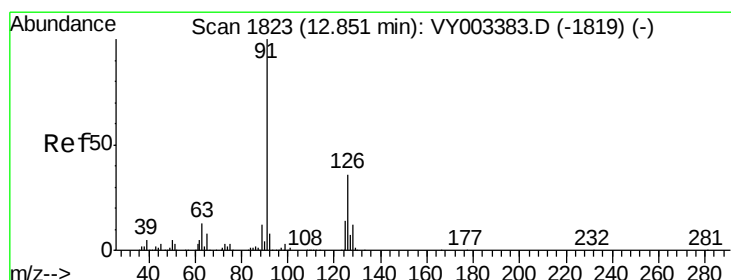
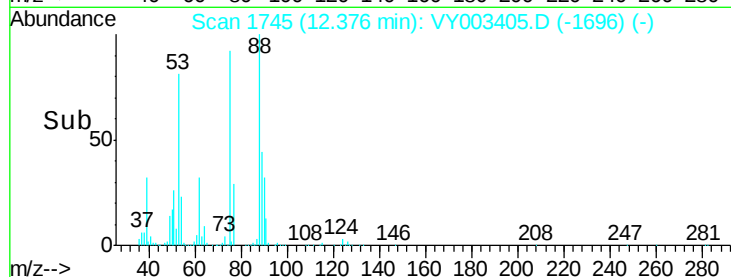
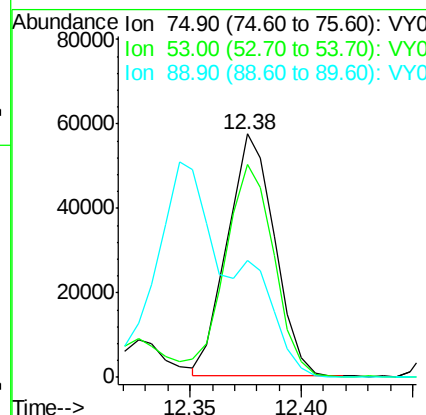
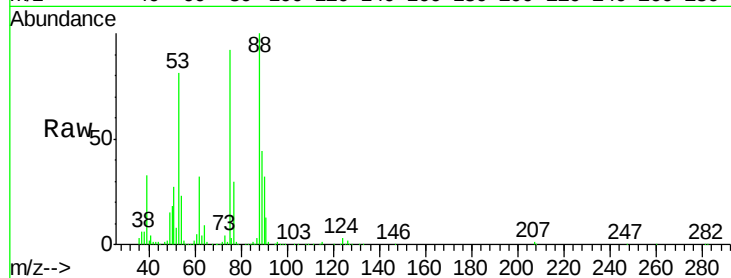
#81
trans-1,4-Dichloro-2-butene
Concen: 47.905 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	69.5	104.3
89	0.0	33.8	50.6

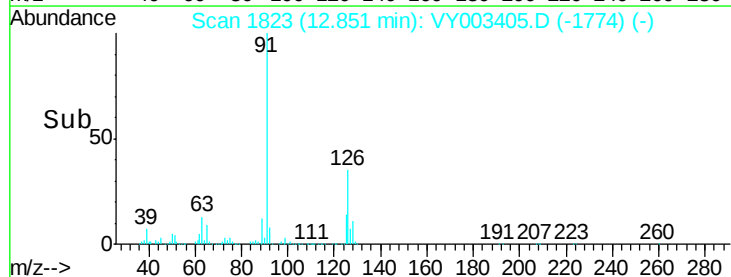
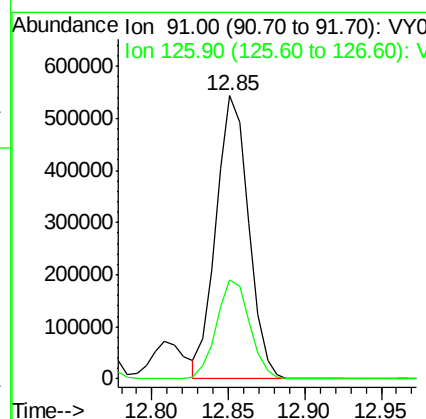
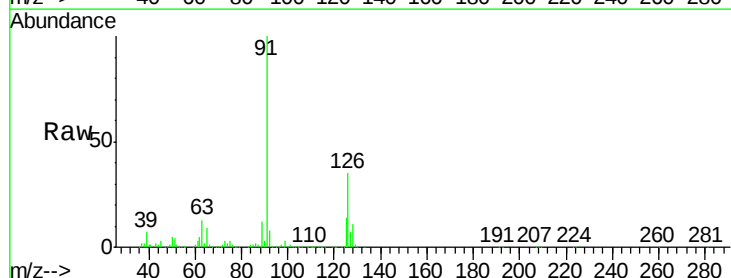
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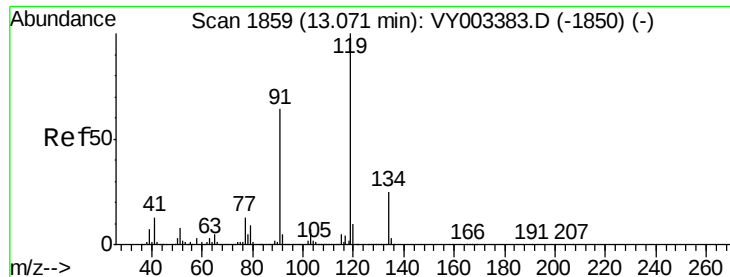
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#82
4-Chlorotoluene
Concen: 48.184 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	18.1	54.4





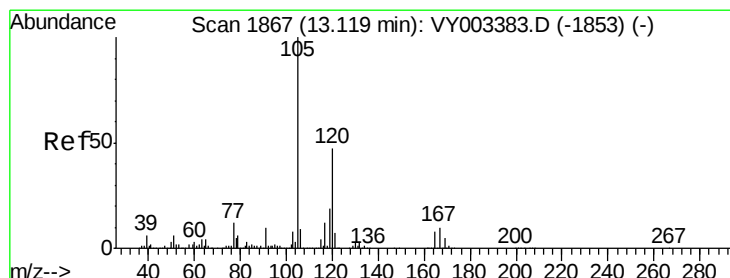
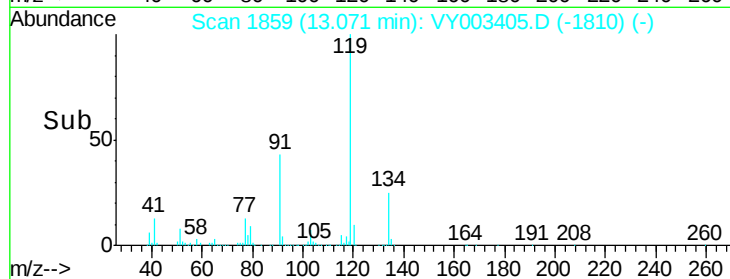
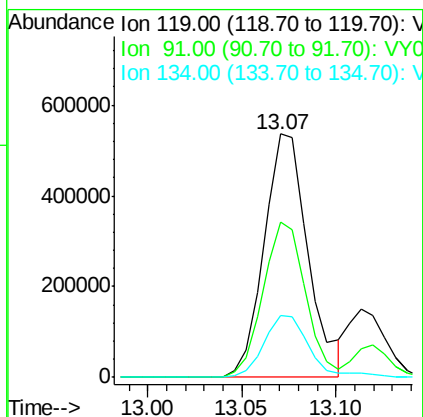
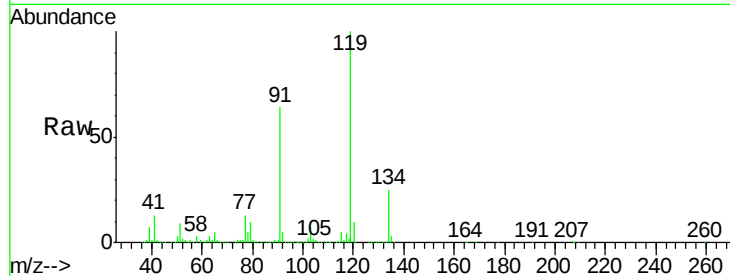
#83
tert-Butylbenzene
Concen: 49.408 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	868180		
91	61.6	31.8	95.3	
134	26.5	13.6	40.8	

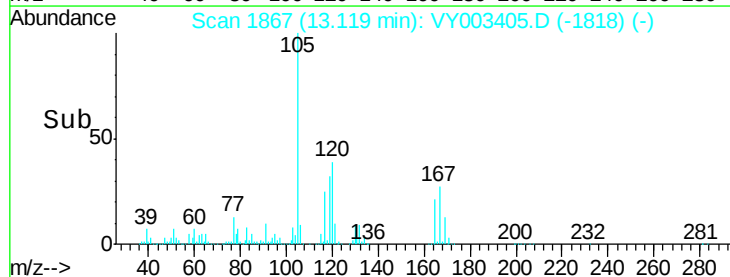
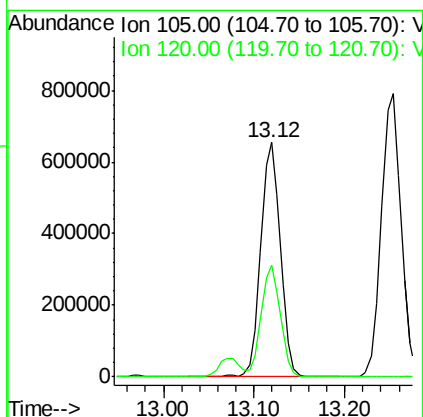
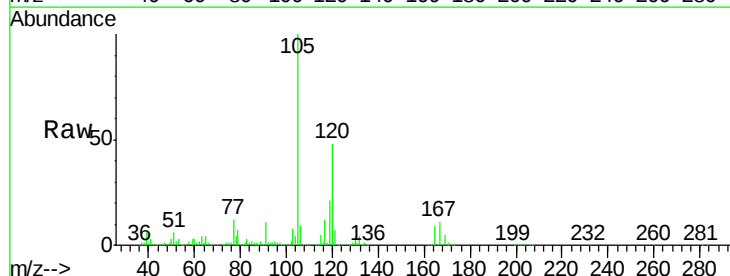
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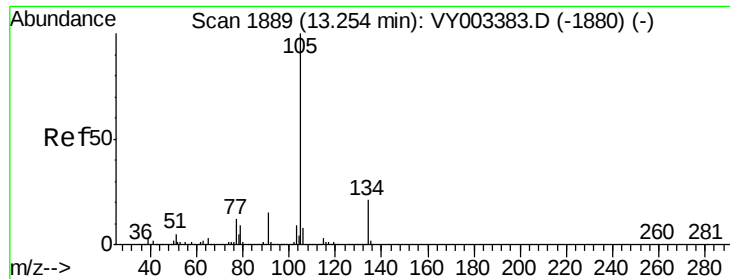
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.029 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	977048		
120	46.7	23.4	70.3	





#85

sec-Butylbenzene

Concen: 48.536 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1186304

Ion Ratio Lower Upper

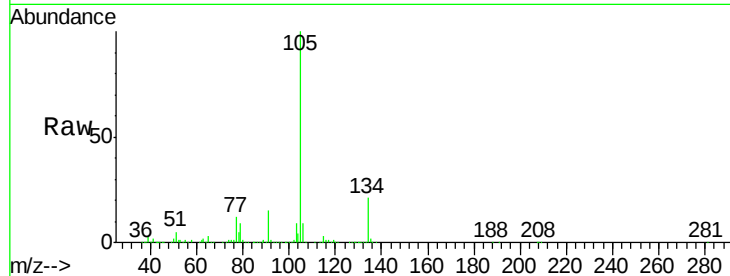
105 100

134 20.7 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

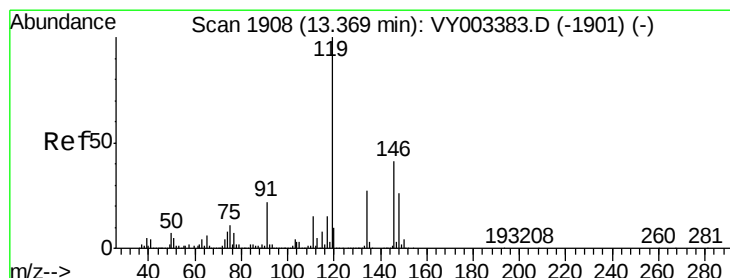
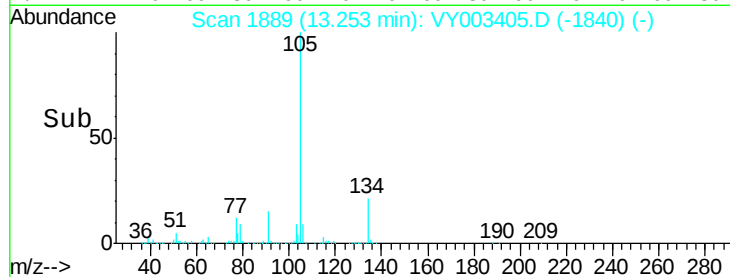
0

13.20

13.25

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 48.621 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003405.D

Acq: 03 Aug 2020 10:03

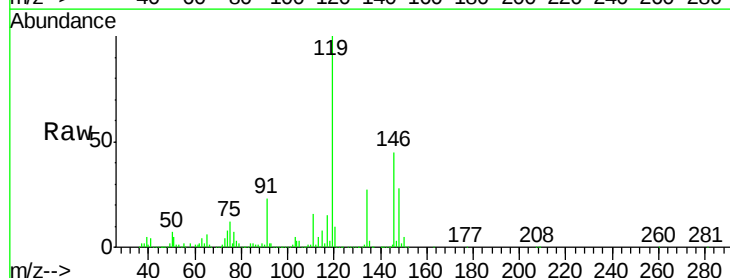
Tgt Ion:119 Resp: 1111509

Ion Ratio Lower Upper

119 100

134 27.1 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

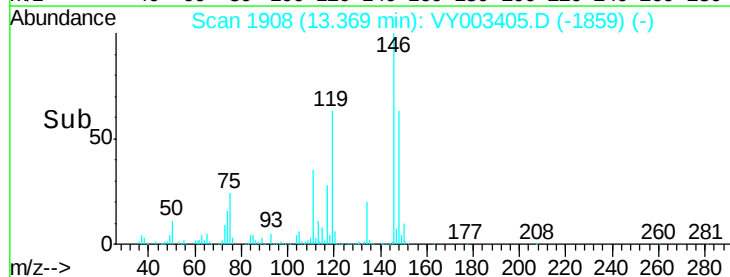
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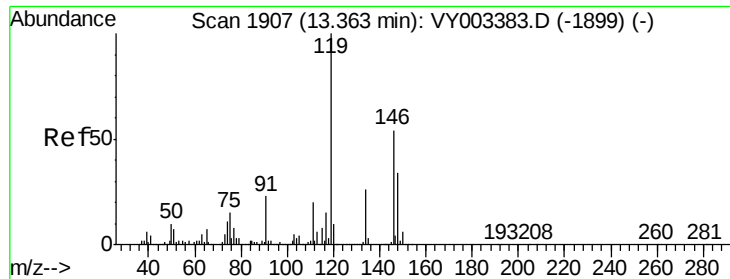
13.30

13.35

13.40

Time-->





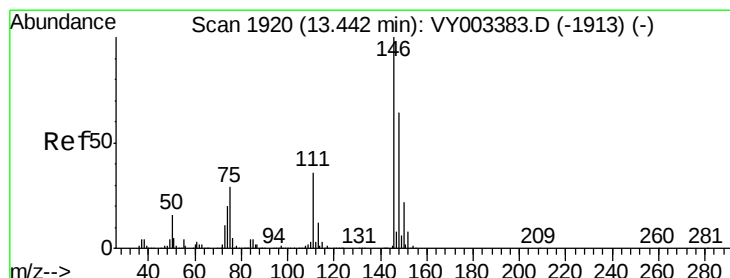
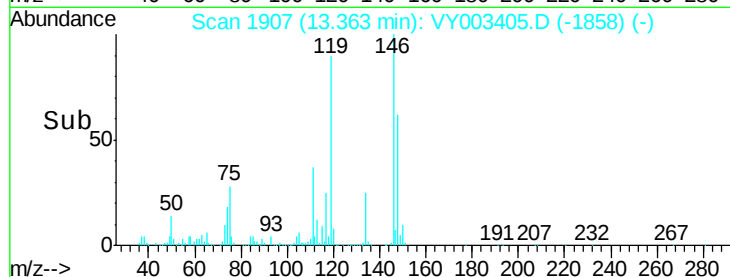
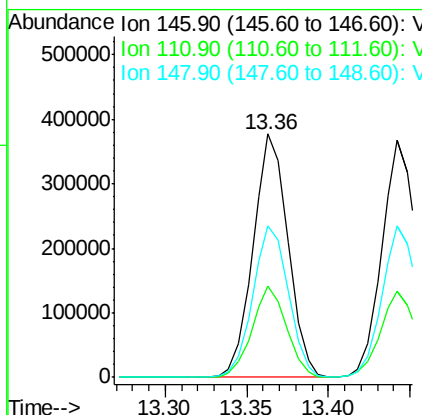
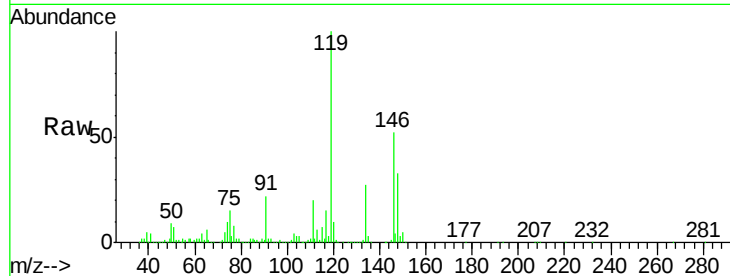
#87
 1,3-Dichlorobenzene
 Concen: 48.003 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	561628		
111	36.9	18.8	56.4	
148	63.5	31.9	95.9	

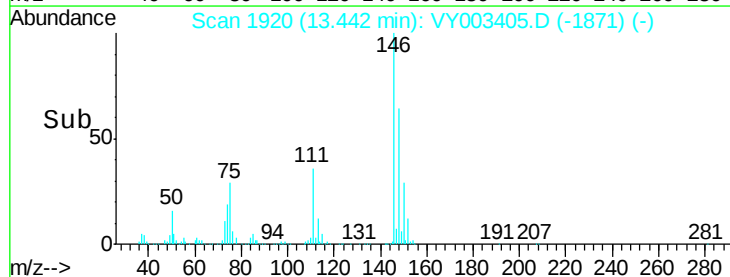
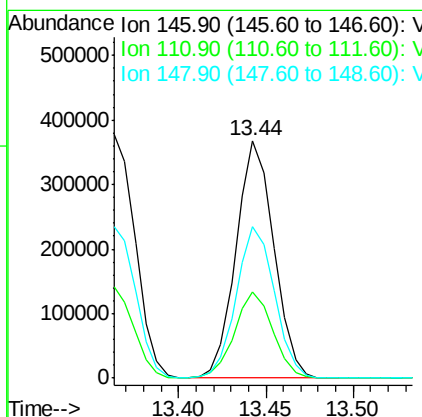
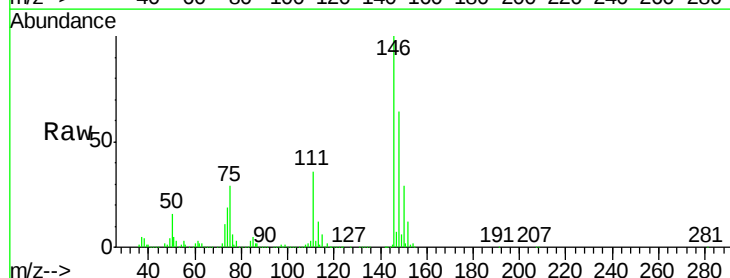
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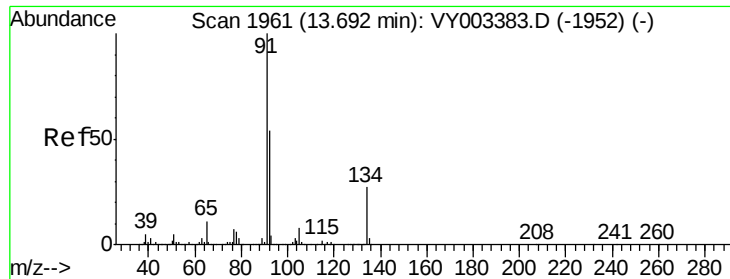
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#88
 1,4-Dichlorobenzene
 Concen: 48.017 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	553894		
111	36.6	18.1	54.3	
148	64.4	32.1	96.3	





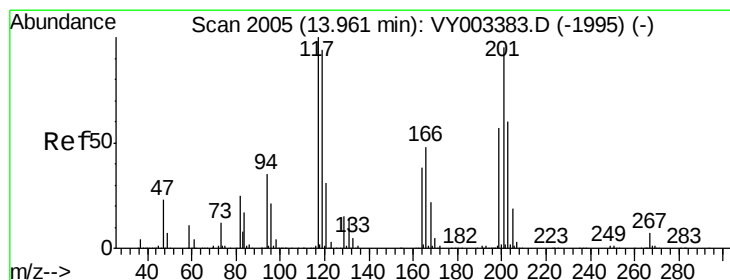
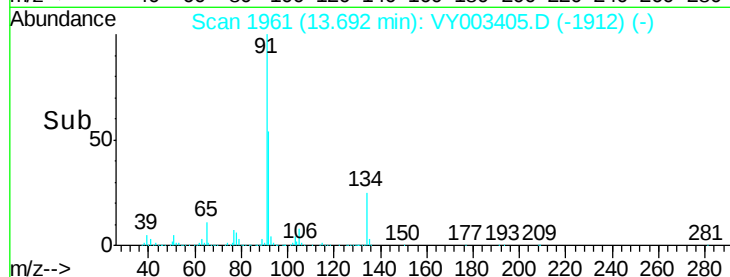
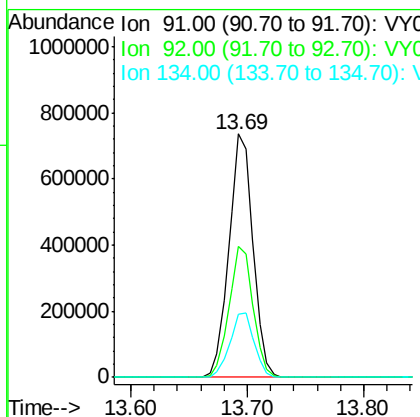
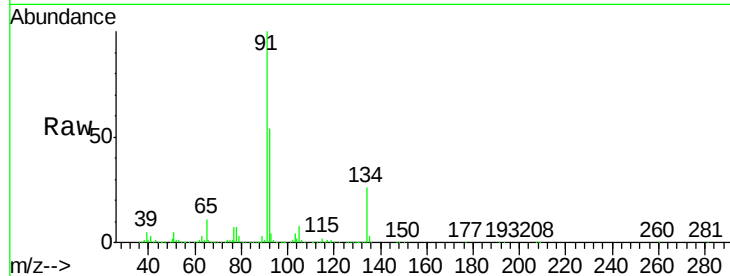
#89
n-Butylbenzene
Concen: 48.745 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.6
134	26.7	13.6	40.7

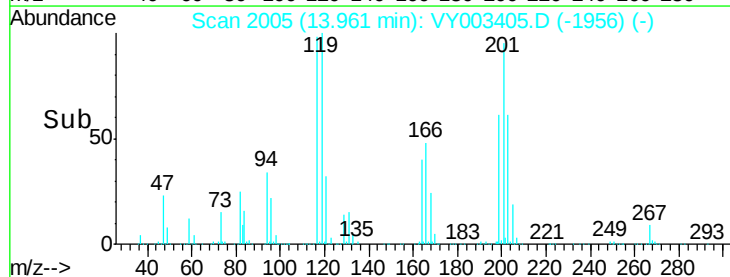
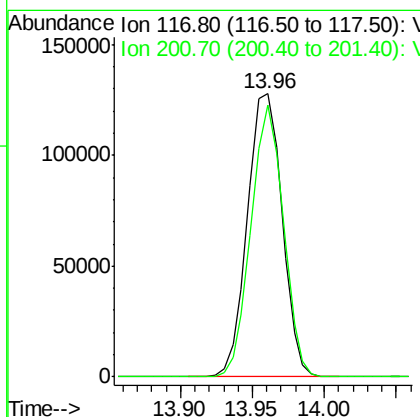
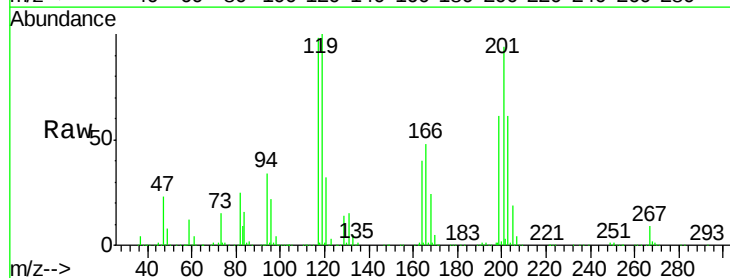
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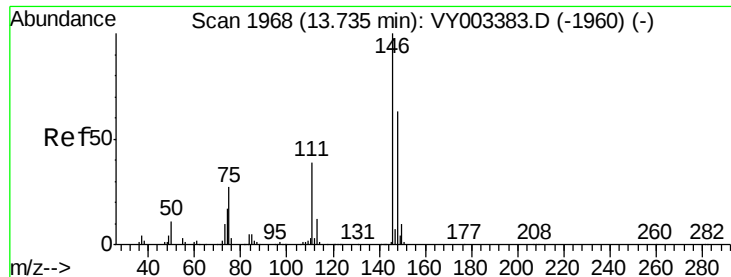
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#90
Hexachloroethane
Concen: 48.632 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	44.7	134.1





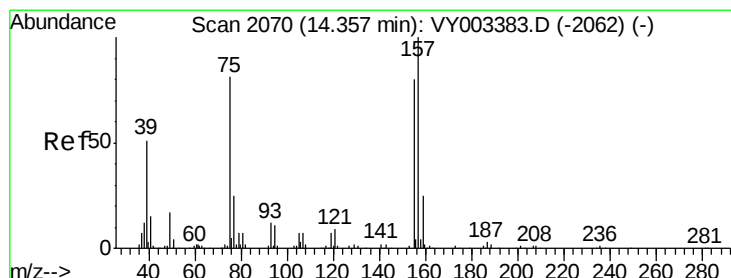
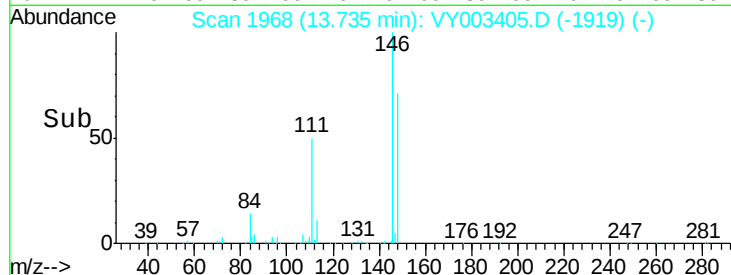
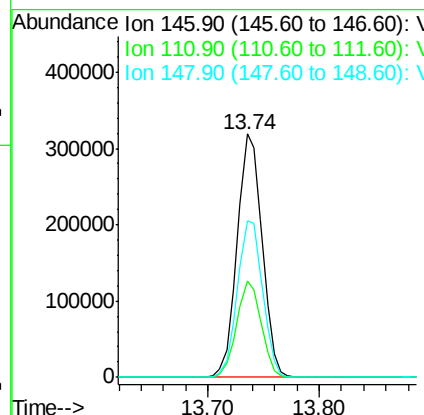
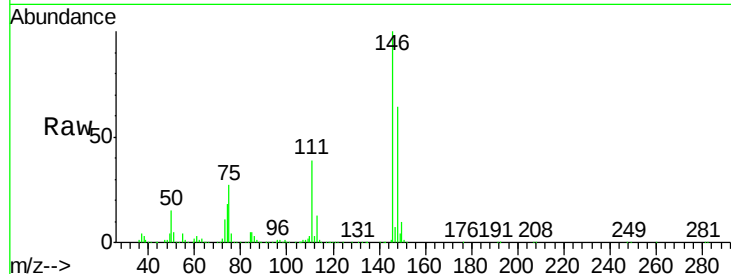
#91
 1,2-Dichlorobenzene
 Concen: 47.978 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	495508		
111	38.9	19.2	57.6	
148	65.1	32.1	96.5	

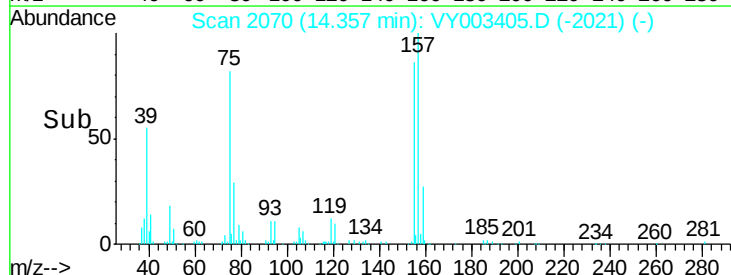
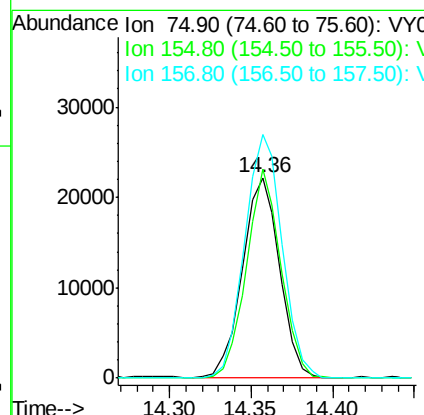
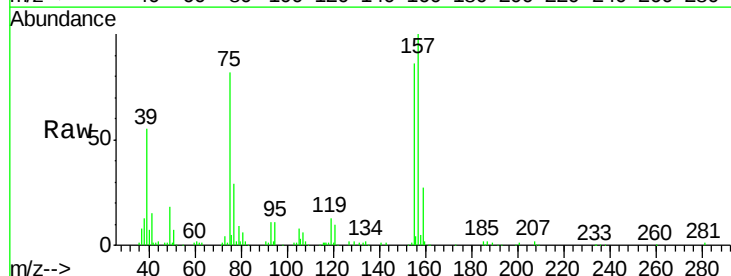
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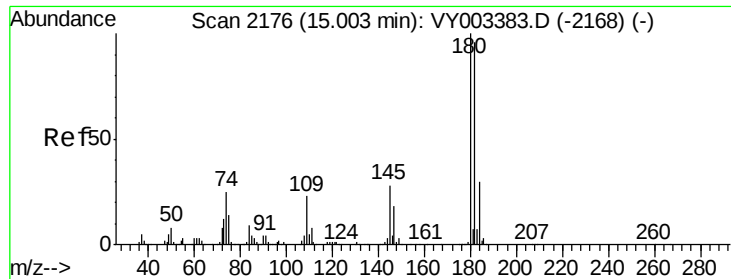
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.756 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35199		
155	96.3	48.8	146.4	
157	122.8	60.9	182.6	





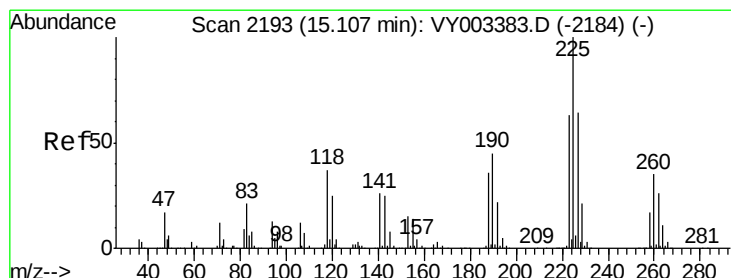
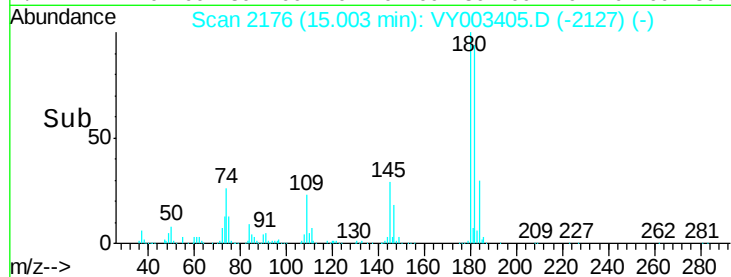
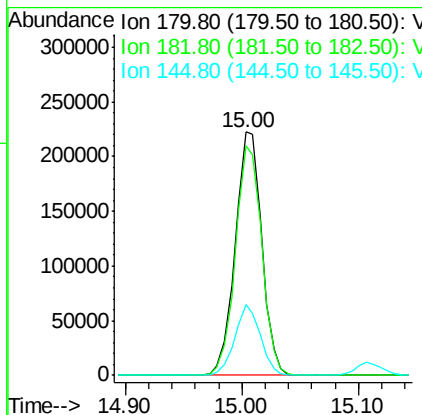
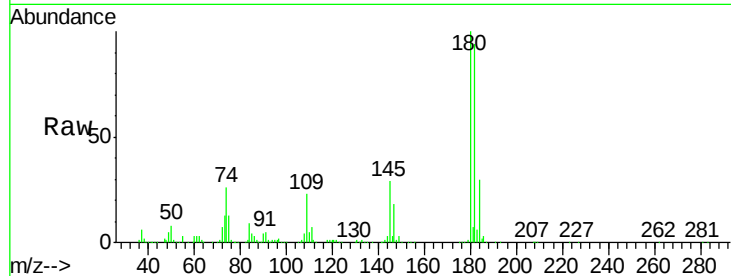
#93
 1,2,4-Trichlorobenzene
 Concen: 48.197 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	352746		
182	94.1	48.2	144.6	
145	27.8	13.8	41.3	

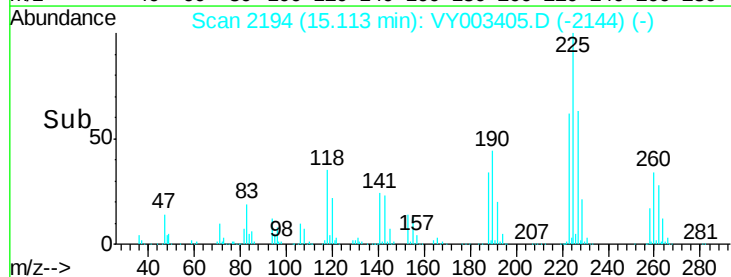
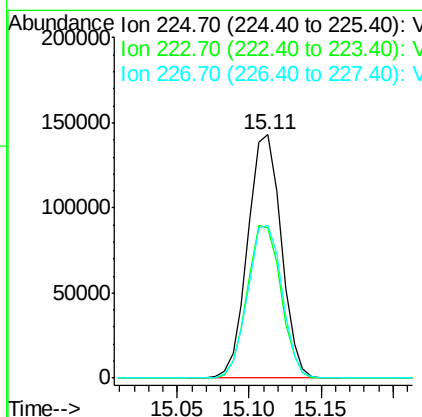
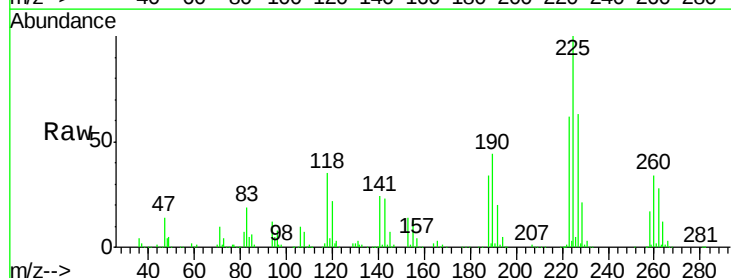
Manual Integrations
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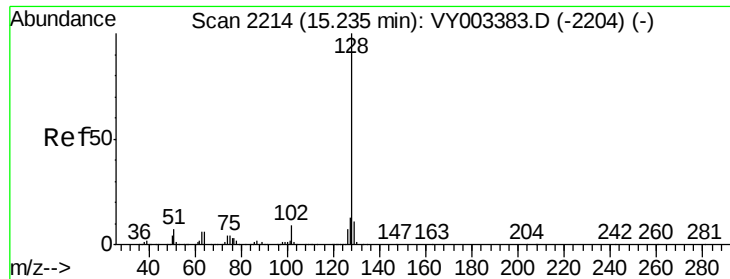
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#94
 Hexachlorobutadiene
 Concen: 47.345 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY003405.D
 Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	229476		
223	63.2	31.6	94.8	
227	64.3	32.0	96.2	





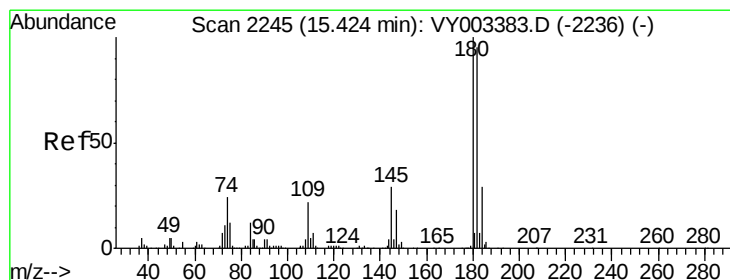
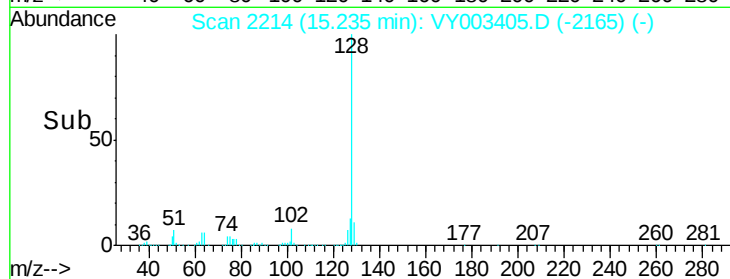
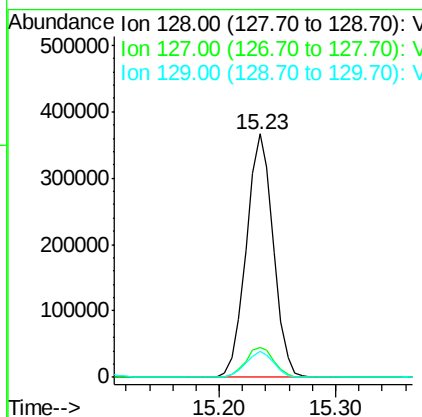
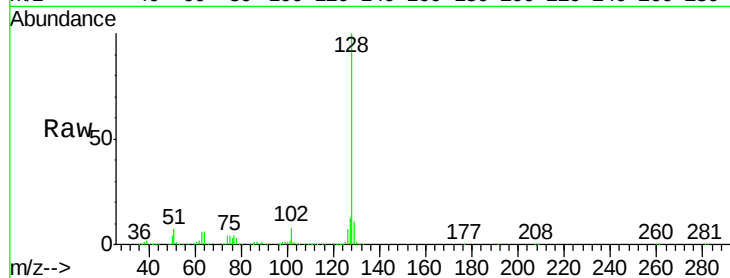
#95
Naphthalene
Concen: 47.780 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 47.483 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003405.D
Acq: 03 Aug 2020 10:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	29.1	14.5	43.5

