

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
 Data File : VY002031.D
 Acq On : 20 Mar 2020 10:33
 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
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 3/23/2020 2:21:20 PM

Quant Time: Mar 20 16:17:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	167658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	305349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	274432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	125755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	86837	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.74	113	83133	49.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.19	98	338632	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.49	95	119251	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	63691	41.155	ug/l	98
3) Chloromethane	2.13	50	88017	42.184	ug/l	100
4) Vinyl Chloride	2.26	62	93253	43.939	ug/l	100
5) Bromomethane	2.66	94	58915	47.200	ug/l	96
6) Chloroethane	2.81	64	60083	45.067	ug/l	96
7) Trichlorofluoromethane	3.15	101	131237	45.595	ug/l	97
8) Diethyl Ether	3.55	74	51428	45.334	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	88106	47.591	ug/l	99
10) Methyl Iodide	4.11	142	102115	47.697	ug/l	99
11) Tert butyl alcohol	4.98	59	45558	244.055	ug/l #	84
12) 1,1-Dichloroethene	3.90	96	86197	46.242	ug/l	95
13) Acrolein	3.75	56	57525	228.711	ug/l	99
14) Allyl chloride	4.50	41	157575	47.683	ug/l	99
15) Acrylonitrile	5.19	53	136008	224.361	ug/l	99
16) Acetone	3.97	43	142722	273.773	ug/l	97
17) Carbon Disulfide	4.22	76	257836	41.147	ug/l	98
18) Methyl Acetate	4.50	43	58418	43.612	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	236692	46.856	ug/l	97
20) Methylene Chloride	4.74	84	99578	44.569	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	96863	45.782	ug/l	91
22) Diisopropyl ether	6.14	45	323259	47.722	ug/l	96
23) Vinyl Acetate	6.08	43	1039308	234.040	ug/l	99
24) 1,1-Dichloroethane	6.05	63	175438	47.826	ug/l	100
25) 2-Butanone	7.01	43	192841	243.247	ug/l	98
26) 2,2-Dichloropropane	7.00	77	150923	50.127	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	110322	47.936	ug/l	98
28) Bromochloromethane	7.36	49	85136	51.490	ug/l	99
29) Tetrahydrofuran	7.36	42	113488	215.570	ug/l	99
30) Chloroform	7.53	83	166472	48.303	ug/l	97
31) Cyclohexane	7.80	56	174191	44.288	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	141014	48.545	ug/l	99
36) 1,1-Dichloropropene	7.94	75	137036	46.636	ug/l	100
37) Ethyl Acetate	7.10	43	77153	45.177	ug/l	99
38) Carbon Tetrachloride	7.92	117	121881	48.556	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	177978	45.667	ug/l	98
40) Benzene	8.18	78	407277	46.763	ug/l	100
41) Methacrylonitrile	7.34	41	37238m	48.451	ug/l	
42) 1,2-Dichloroethane	8.25	62	105249	46.897	ug/l	100
43) Isopropyl Acetate	8.29	43	147630	45.659	ug/l	98
44) Trichloroethene	8.96	130	98015	46.209	ug/l	99
45) 1,2-Dichloropropane	9.23	63	104755	47.847	ug/l	99
46) Dibromomethane	9.32	93	52398	46.442	ug/l	99
47) Bromodichloromethane	9.51	83	127252	48.486	ug/l	98
48) Methyl methacrylate	9.30	41	65359	45.555	ug/l	96
49) 1,4-Dioxane	9.32	88	13752	889.538	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	385137	231.258	ug/l	100
52) Toluene	10.25	92	250563	47.358	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	138934	48.589	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	163310	47.977	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	77346	46.843	ug/l	97
56) Ethyl methacrylate	10.52	69	114212	47.191	ug/l	99
57) 1,3-Dichloropropane	10.80	76	137185	46.610	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	192503	224.215	ug/l	100
59) 2-Hexanone	10.84	43	281184	236.551	ug/l	100
60) Dibromochloromethane	10.99	129	84668	48.663	ug/l	100
61) 1,2-Dibromoethane	11.10	107	71260	45.561	ug/l	98
64) Tetrachloroethene	10.73	164	80114	46.550	ug/l	97
65) Chlorobenzene	11.52	112	257006	47.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	86291	48.122	ug/l	99
67) Ethyl Benzene	11.60	91	480239	47.091	ug/l	99
68) m/p-Xylenes	11.71	106	360699	95.668	ug/l	99
69) o-Xylene	12.03	106	167187	47.046	ug/l	100
70) Styrene	12.05	104	292670	48.086	ug/l	99
71) Bromoform	12.22	173	46695	48.017	ug/l #	100
73) Isopropylbenzene	12.34	105	454934	47.390	ug/l	99
74) N-amyl acetate	12.15	43	134103	45.452	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	94736	45.762	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	67861m	45.478	ug/l	
77) Bromobenzene	12.61	156	96829	47.607	ug/l	97
78) n-propylbenzene	12.68	91	567876	47.949	ug/l	100
79) 2-Chlorotoluene	12.76	91	310597	47.468	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	377727	47.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	34138	46.213	ug/l	98
82) 4-Chlorotoluene	12.86	91	327080	48.010	ug/l	99
83) tert-Butylbenzene	13.08	119	322351	49.109	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	373999	47.686	ug/l	99
85) sec-Butylbenzene	13.26	105	468554	48.428	ug/l	100
86) p-Isopropyltoluene	13.38	119	400474	47.983	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	185704	46.593	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	188306	46.572	ug/l	100
89) n-Butylbenzene	13.70	91	417207	48.181	ug/l	99
90) Hexachloroethane	13.97	117	76609	48.655	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	169738	46.878	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14476	44.812	ug/l	98

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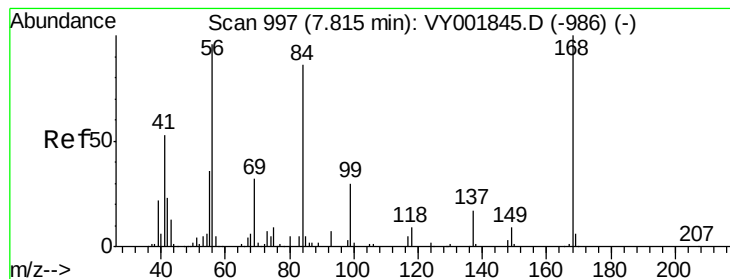
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	108809	46.337	ug/l	99
94) Hexachlorobutadiene	15.12	225	53583	46.804	ug/l	99
95) Naphthalene	15.25	128	247362	44.411	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	96530	46.664	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 167658

Ion Ratio Lower Upper

168 100

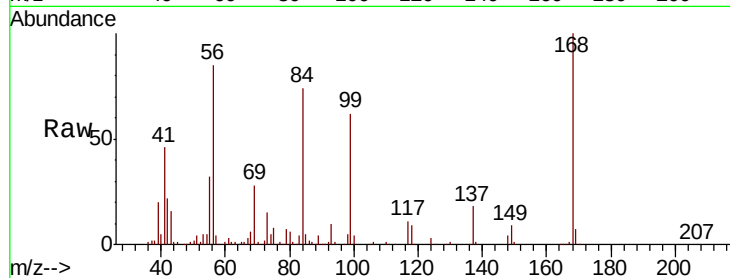
99 61.8 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.81

80000

60000

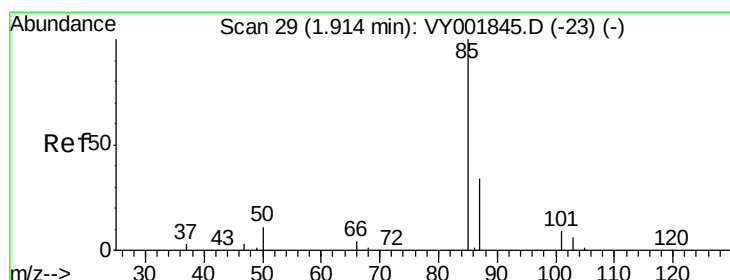
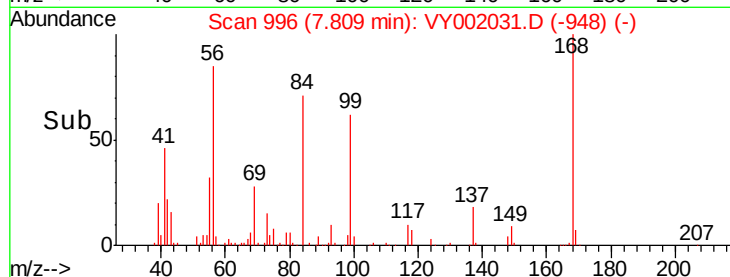
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 41.155 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002031.D

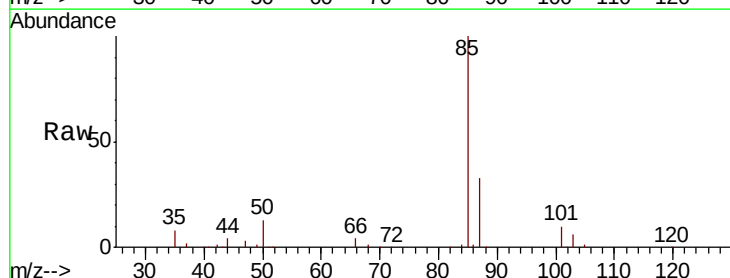
Acq: 20 Mar 2020 10:33

Tgt Ion: 85 Resp: 63691

Ion Ratio Lower Upper

85 100

87 32.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

50000

40000

30000

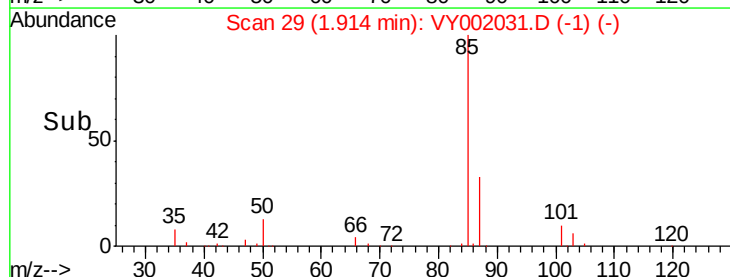
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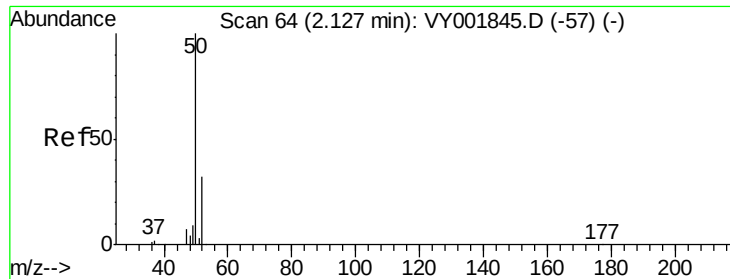
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0

1.90 2.00

Time-->





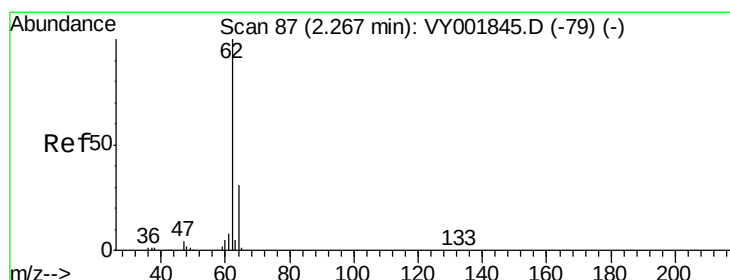
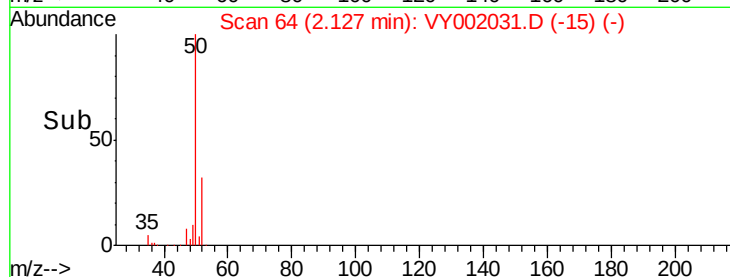
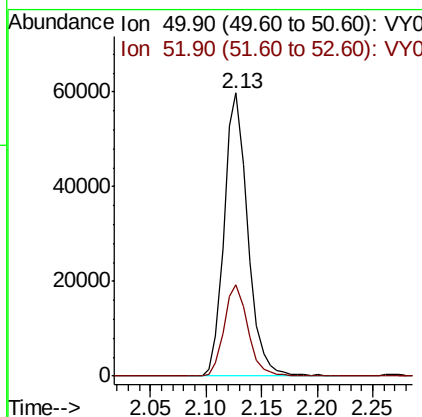
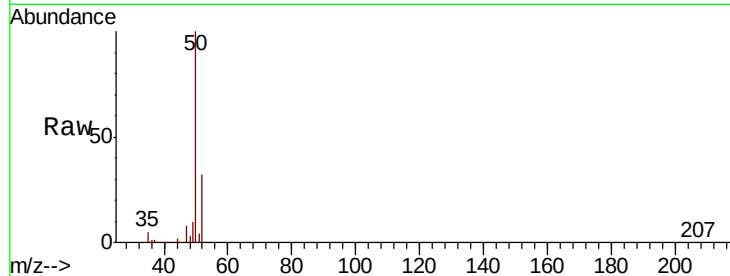
#3
Chloromethane
Concen: 42.184 ug/l
RT: 2.13 min Scan# 64
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 88017
Ion Ratio Lower Upper
50 100
52 32.4 25.8 38.6

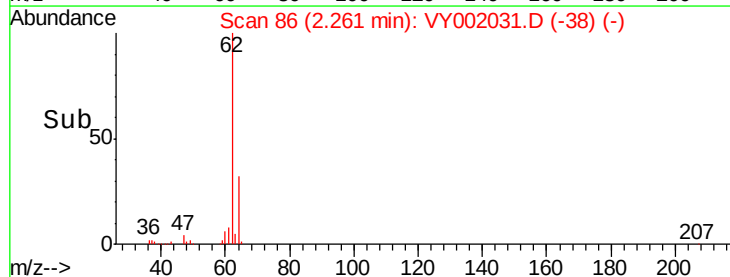
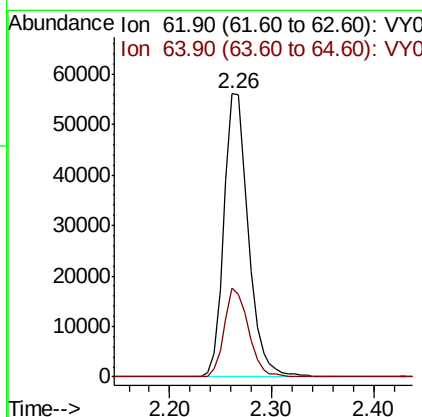
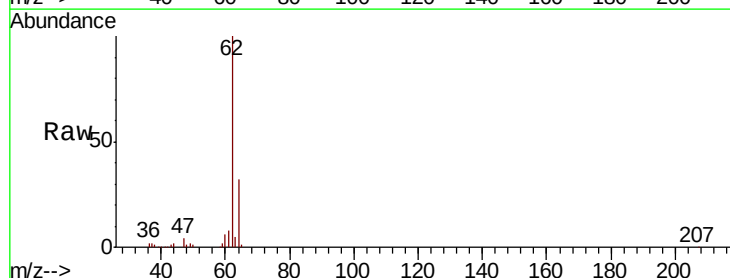
Manual Integrations
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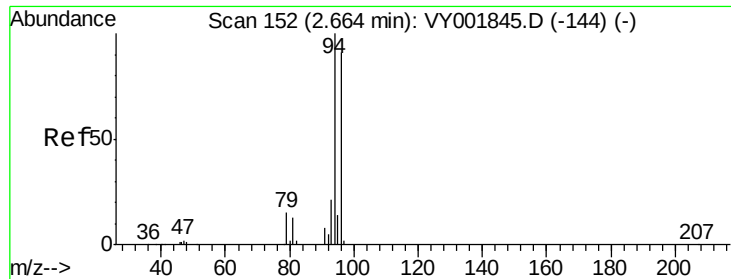
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#4
Vinyl Chloride
Concen: 43.939 ug/l
RT: 2.26 min Scan# 86
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion: 62 Resp: 93253
Ion Ratio Lower Upper
62 100
64 31.6 25.1 37.7





#5

Bromomethane

Concen: 47.200 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58915

Ion Ratio Lower Upper

94 100

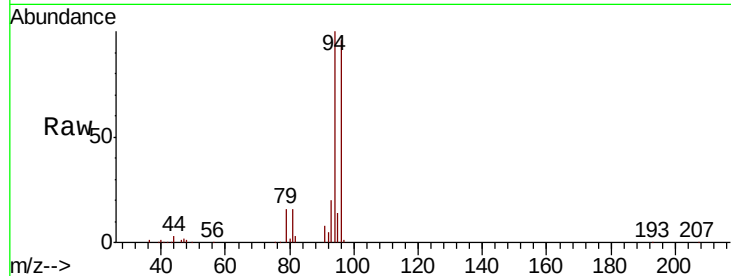
96 95.6 73.2 109.8

Manual Integrations

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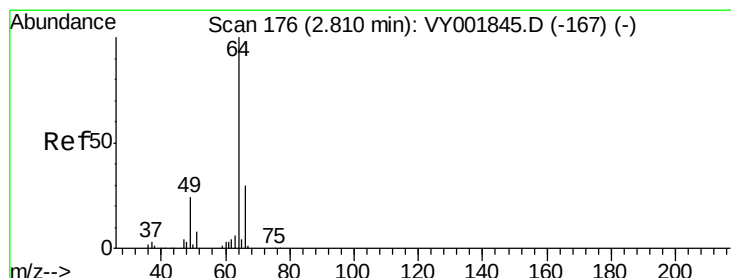
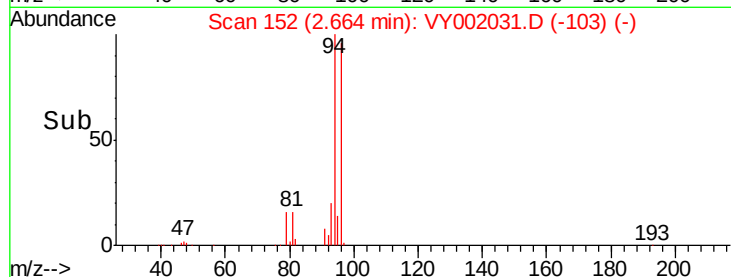
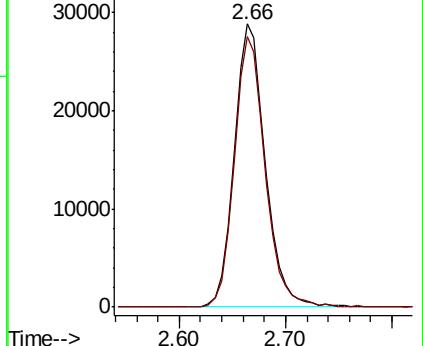
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.067 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY002031.D

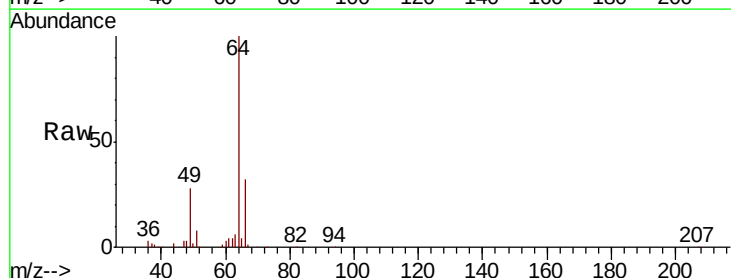
Acq: 20 Mar 2020 10:33

Tgt Ion: 64 Resp: 60083

Ion Ratio Lower Upper

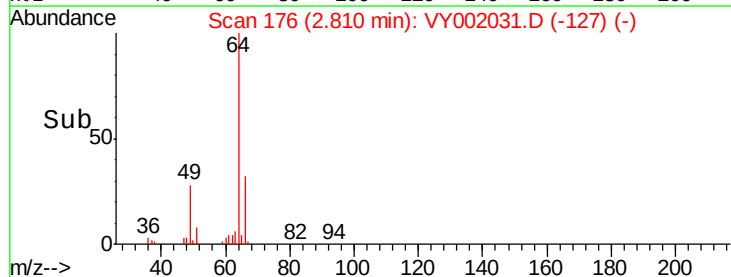
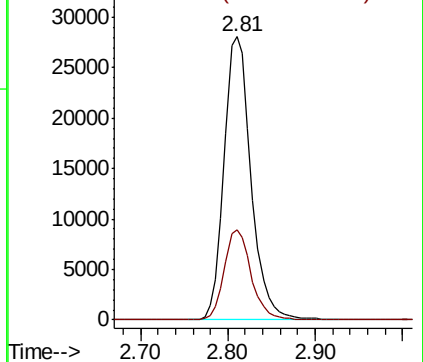
64 100

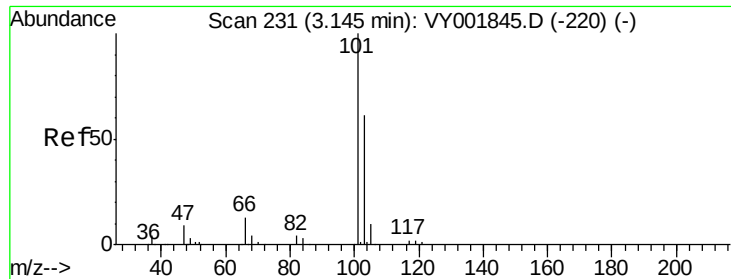
66 32.0 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

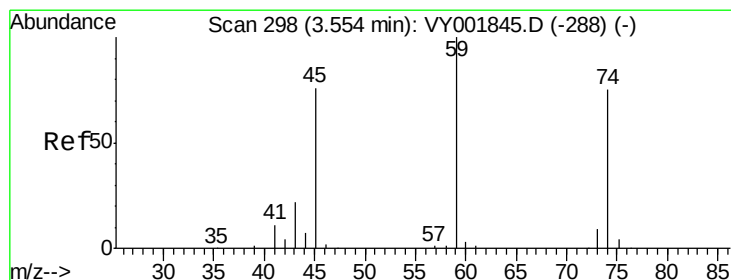
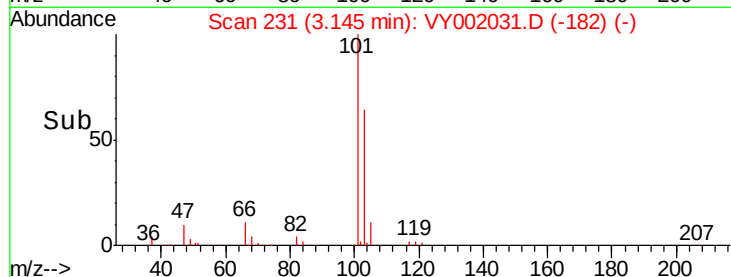
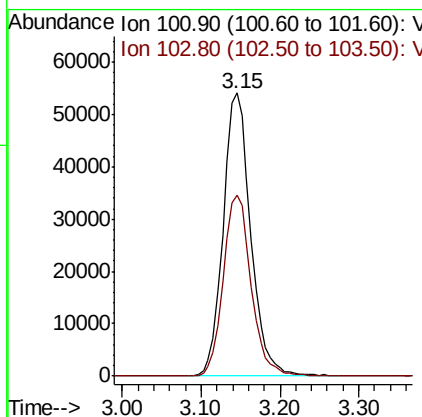
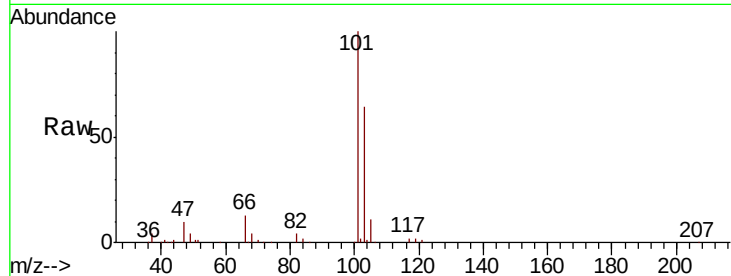
Trichlorofluoromethane
 Concen: 45.595 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	49.1	73.7

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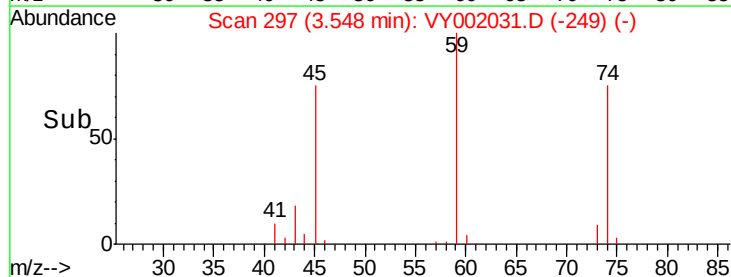
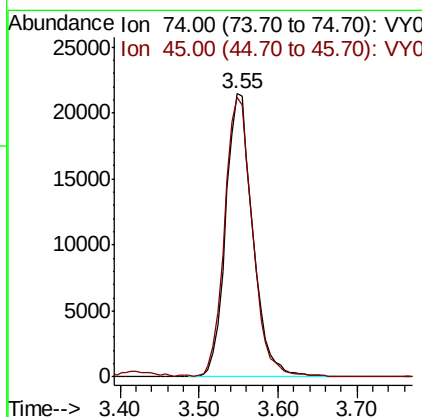
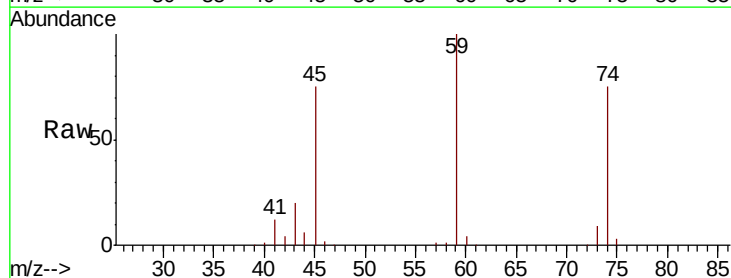
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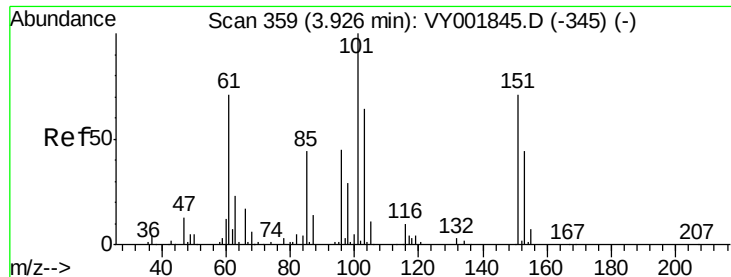


#8

Diethyl Ether
 Concen: 45.334 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	50.5	151.5





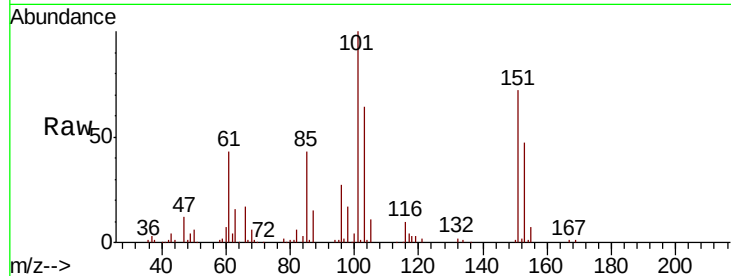
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.591 ug/l
RT: 3.93 min Scan# 359
Delta R.T. 0.00 min
Lab File: VY002031.D
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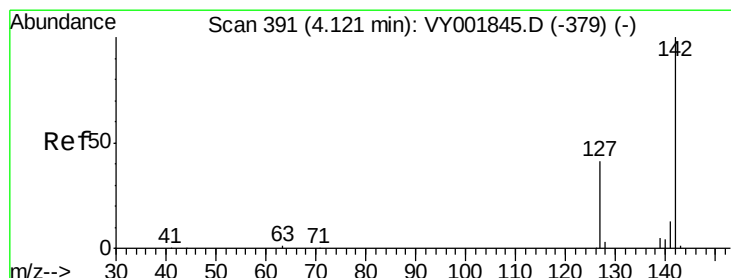
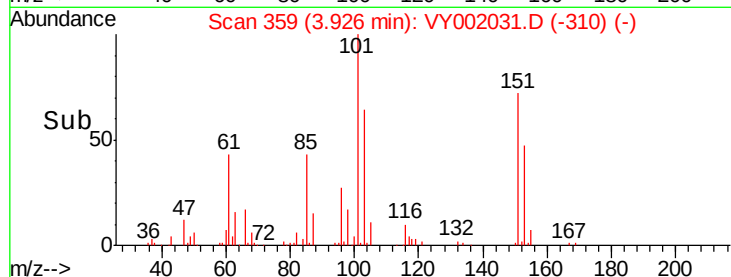
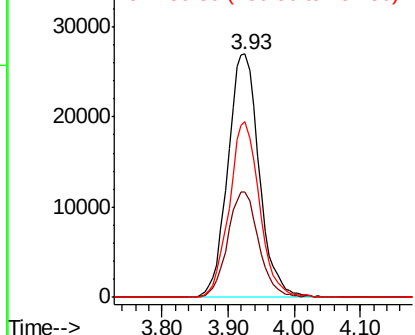
Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.3	52.9
151	70.4	57.0	85.4

Manual Integrations
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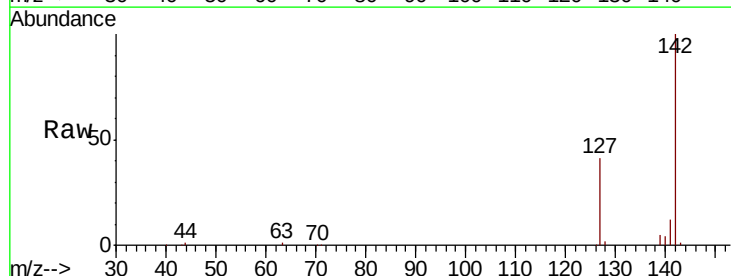


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V

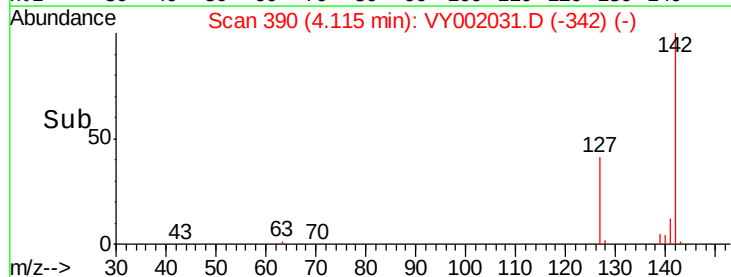
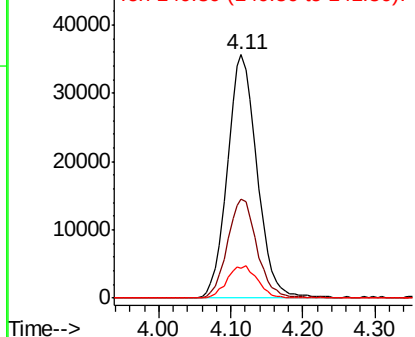


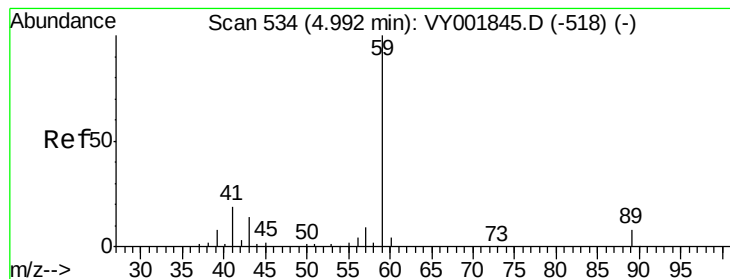
#10
Methyl Iodide
Concen: 47.697 ug/l
RT: 4.11 min Scan# 390
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.6	32.7	49.1
141	13.6	11.0	16.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

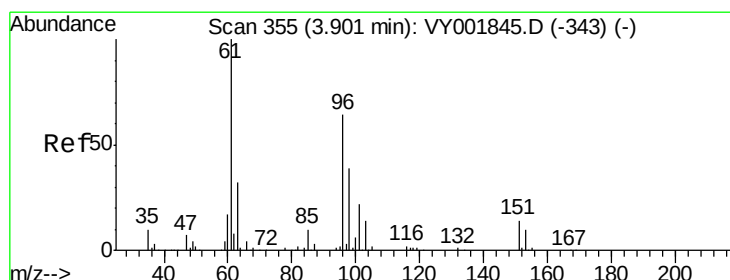
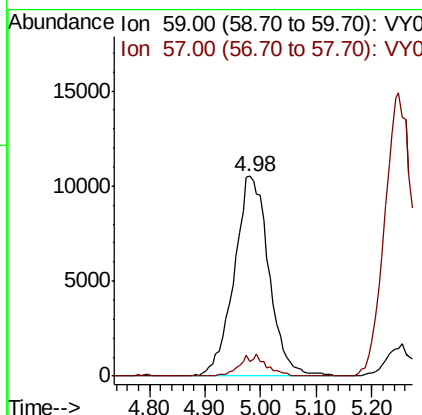
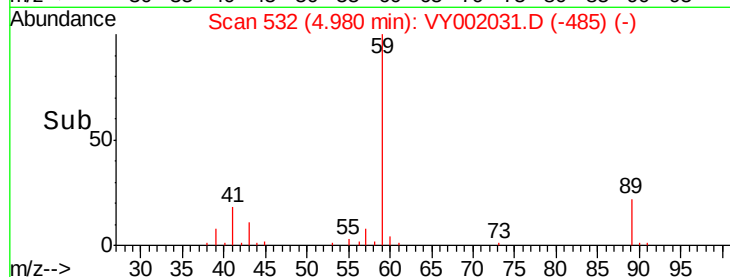
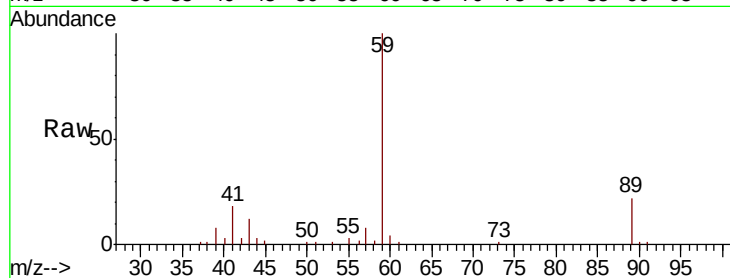
Tert butyl alcohol
 Concen: 244.055 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 45558
 Ion Ratio Lower Upper
 59 100
 57 3.6 7.4 11.2#

Manual Integrations
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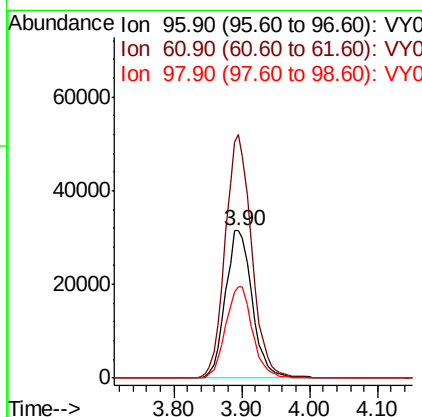
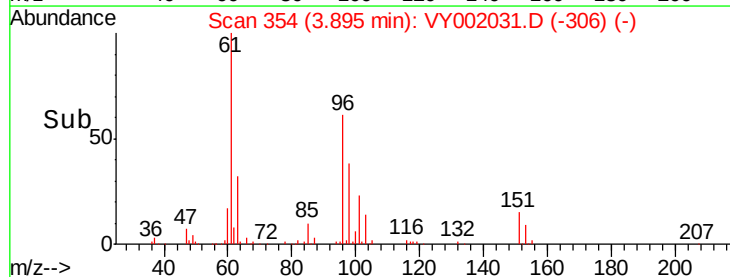
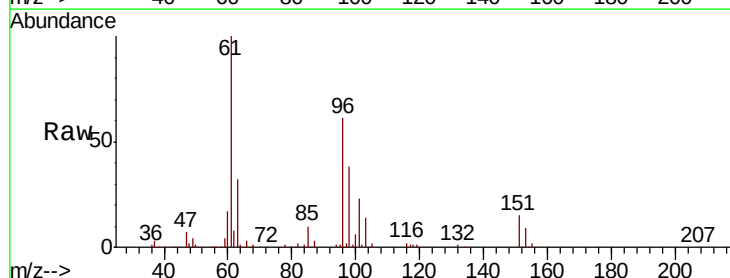
MMDadoda
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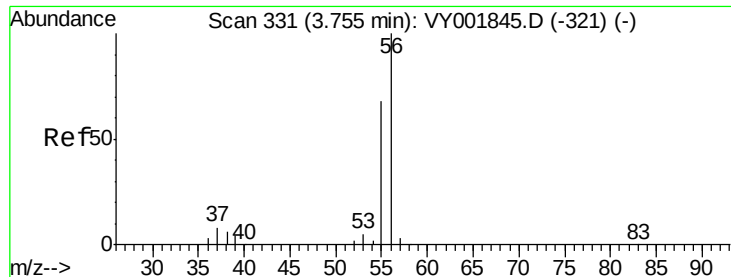


#12

1,1-Dichloroethene
 Concen: 46.242 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion: 96 Resp: 86197
 Ion Ratio Lower Upper
 96 100
 61 165.0 124.8 187.2
 98 62.0 49.2 73.8





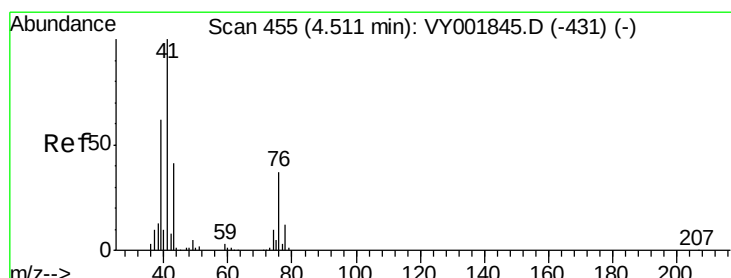
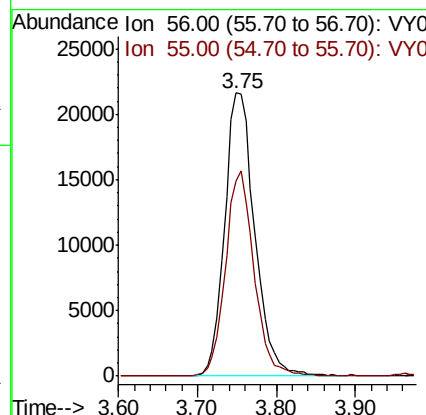
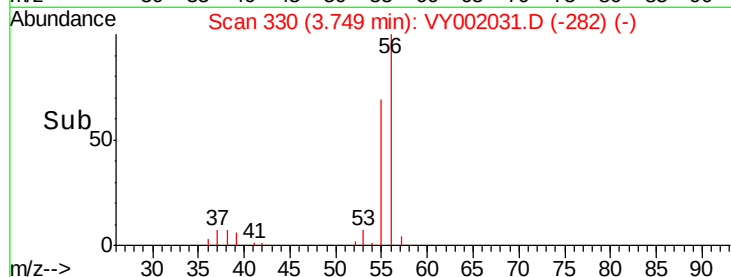
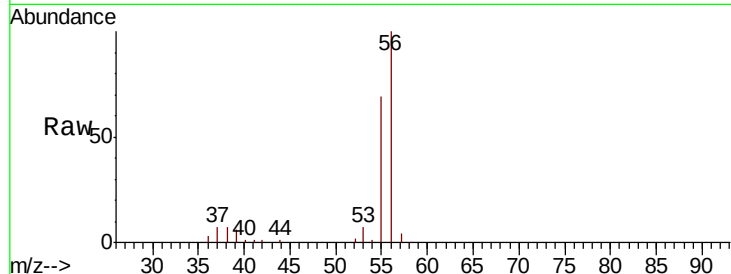
#13
Acrolein
Concen: 228.711 ug/l
RT: 3.75 min Scan# 330
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.6	54.0	81.0

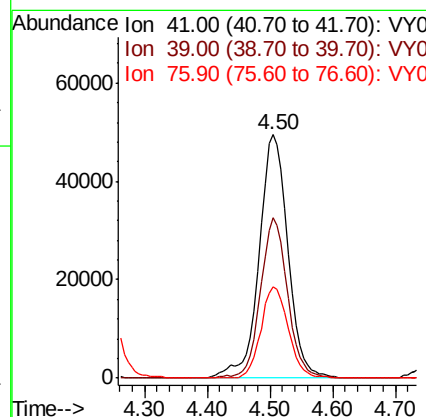
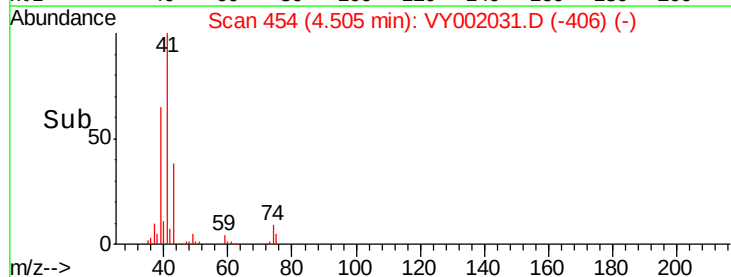
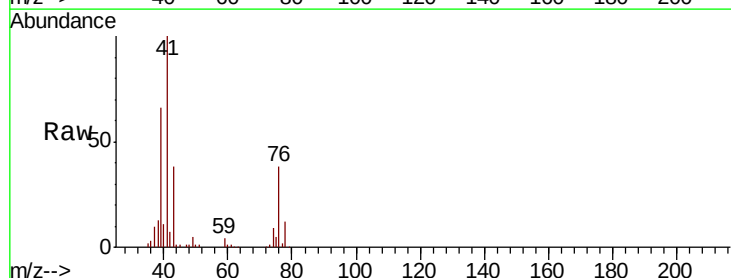
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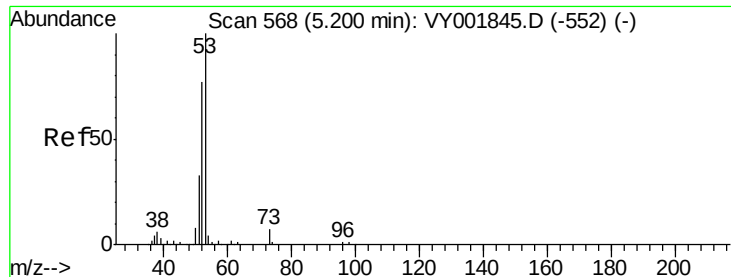
MMDadoda
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#14
Allyl chloride
Concen: 47.683 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.0	49.0	73.6
76	35.7	28.9	43.3





#15

Acrylonitrile

Concen: 224.361 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

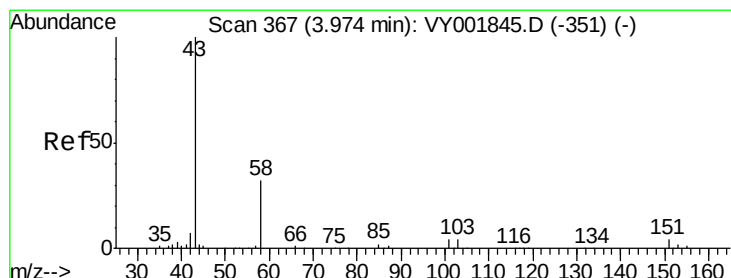
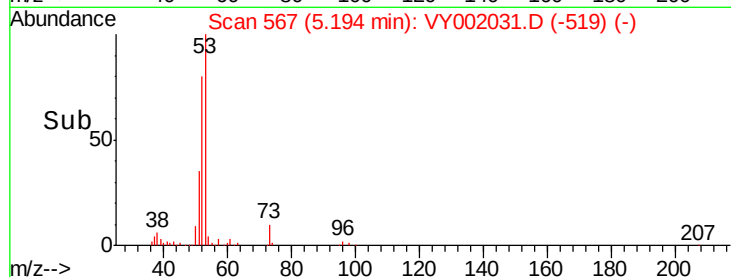
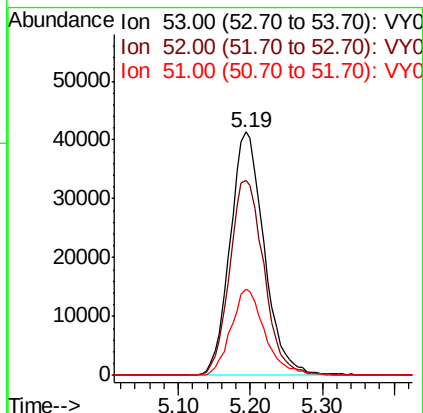
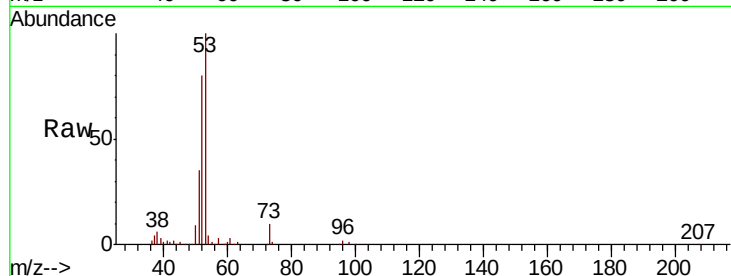
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	136008
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.1	97.7
51	35.3	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 273.773 ug/l

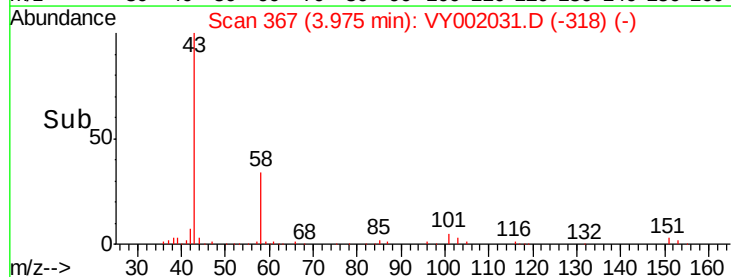
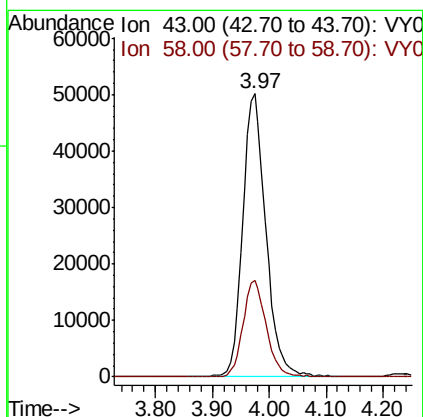
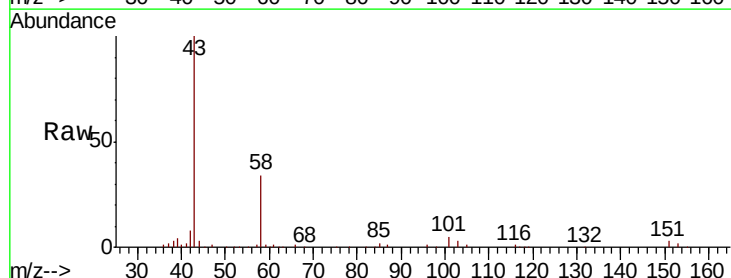
RT: 3.97 min Scan# 367

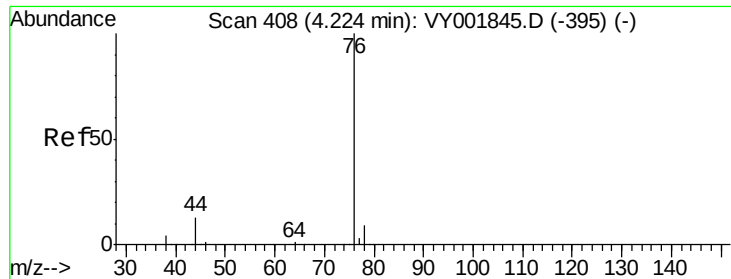
Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Tgt Ion:	43	Resp:	142722
Ion	Ratio	Lower	Upper
43	100		
58	34.0	25.9	38.9





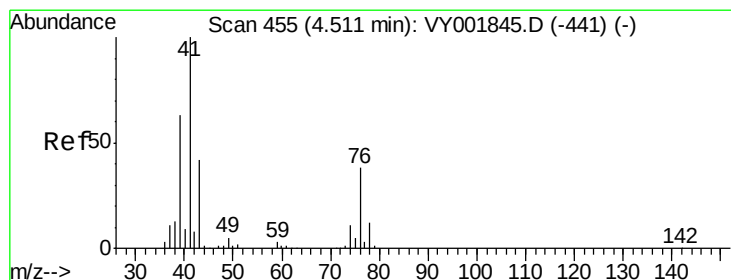
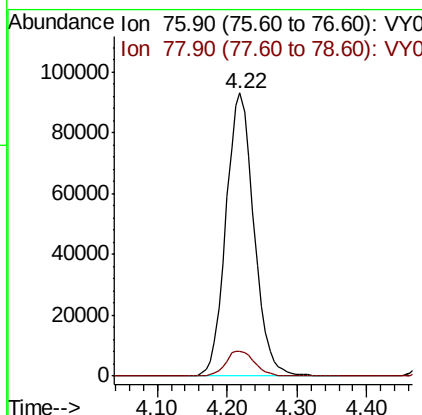
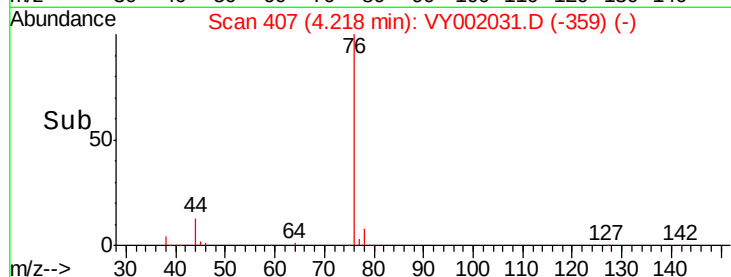
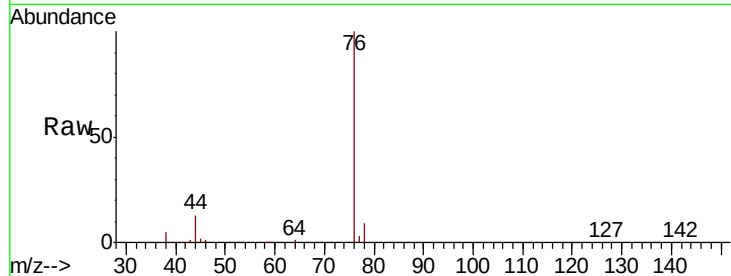
#17
Carbon Disulfide
Concen: 41.147 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

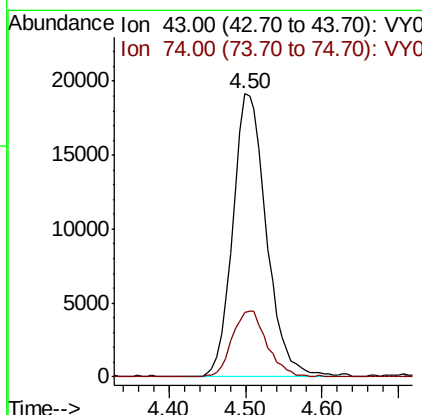
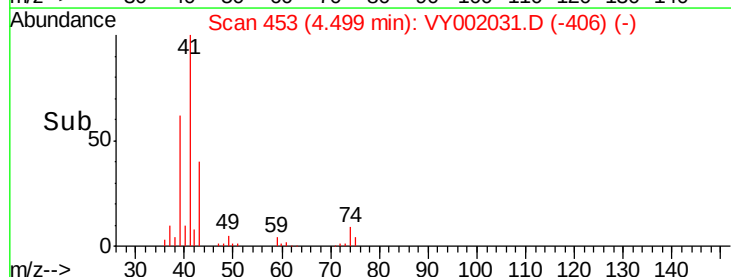
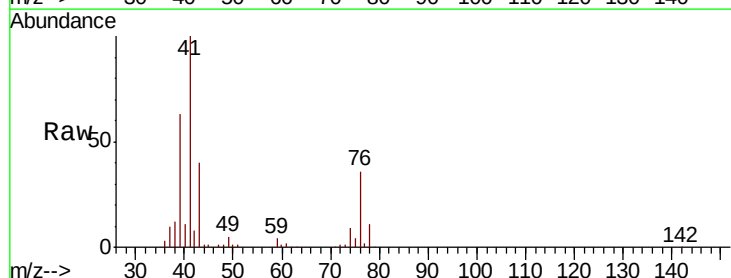
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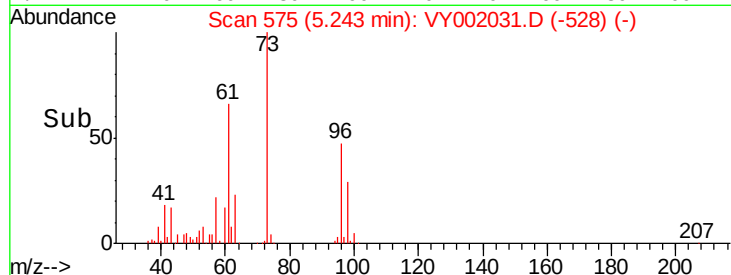
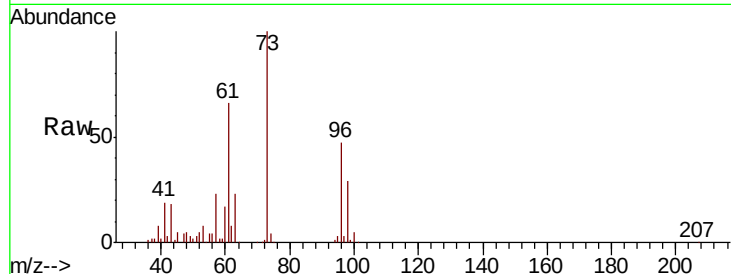
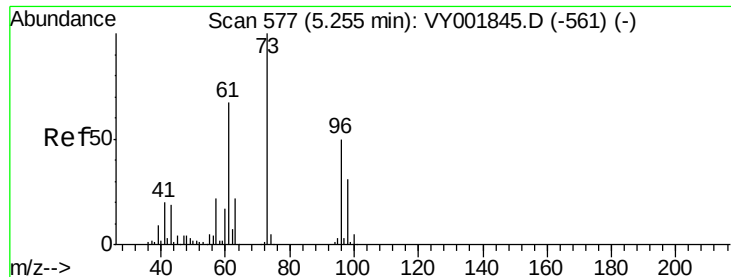
MMDadoda
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#18
Methyl Acetate
Concen: 43.612 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.0	28.6





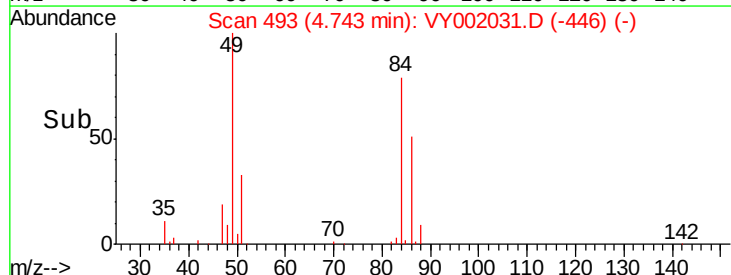
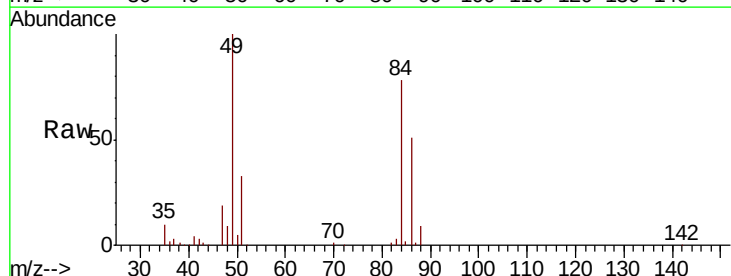
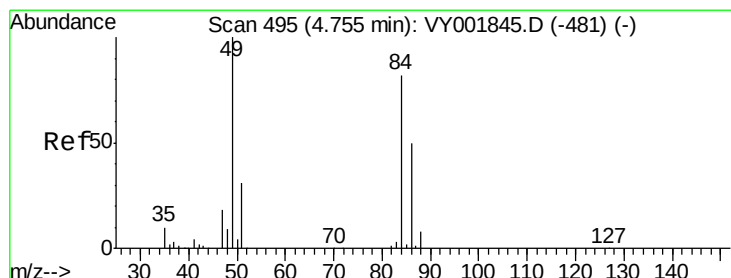
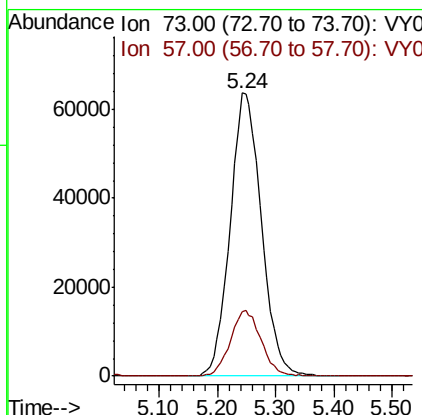
#19
Methyl tert-butyl Ether
Concen: 46.856 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tot Ion: 73 Resp: 23692
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

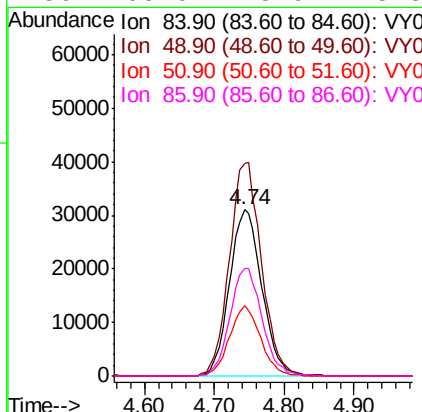
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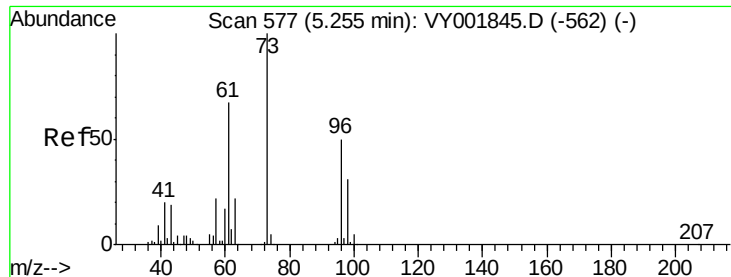
MMDadoda
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#20
Methylene Chloride
Concen: 44.569 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion: 84 Resp: 99578
Ion Ratio Lower Upper
84 100
49 127.7 98.2 147.2
51 42.2 30.2 45.2
86 65.0 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 45.782 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

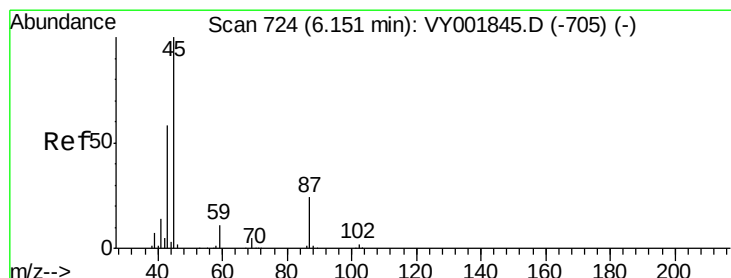
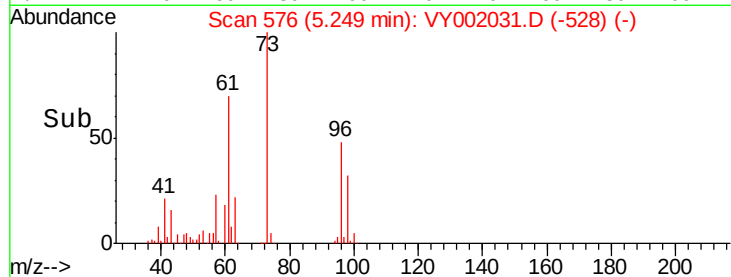
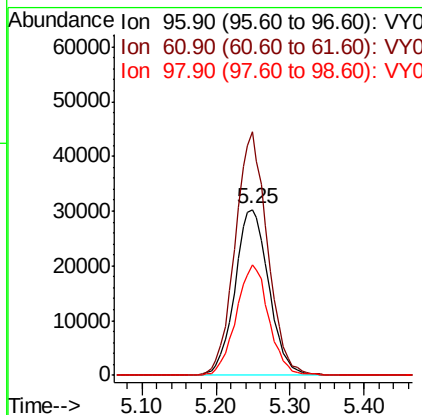
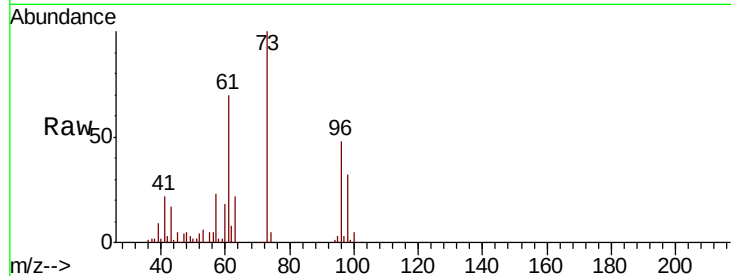
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	96863
Ion	Ratio	Lower	Upper
96	100		
61	146.7	107.7	161.5
98	66.7	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.722 ug/l

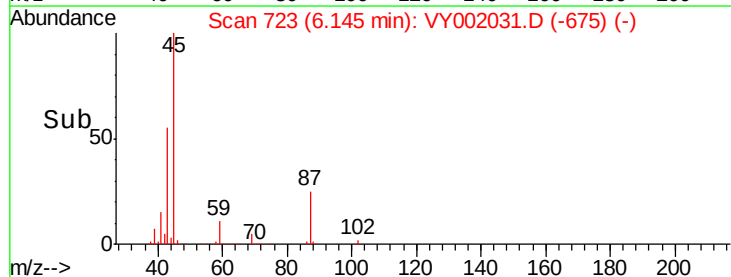
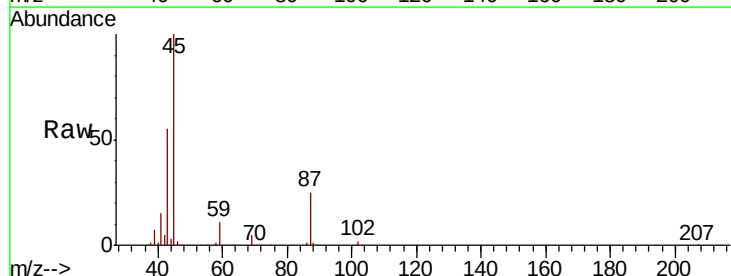
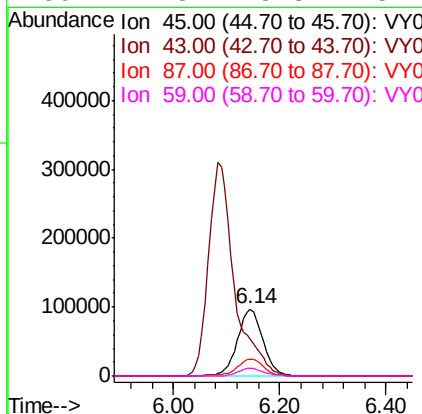
RT: 6.14 min Scan# 723

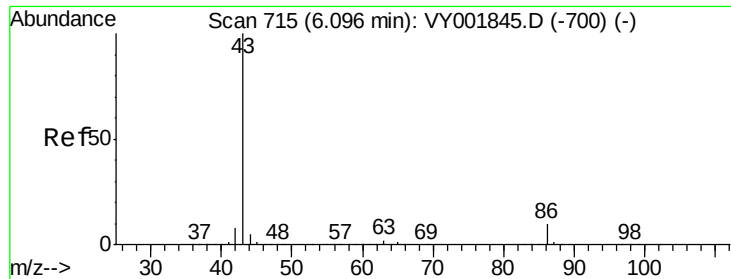
Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Tgt Ion:	45	Resp:	323259
Ion	Ratio	Lower	Upper
45	100		
43	55.1	47.2	70.8
87	25.2	19.8	29.8
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 234.040 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1039308

Ion Ratio Lower Upper

43 100

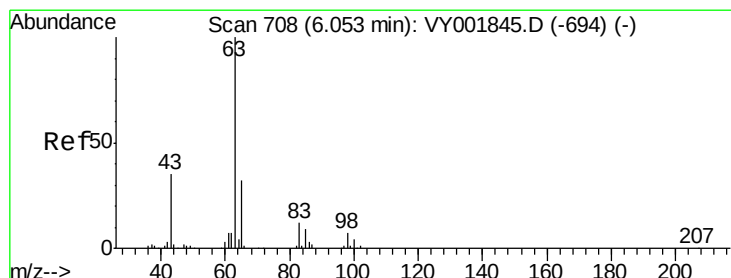
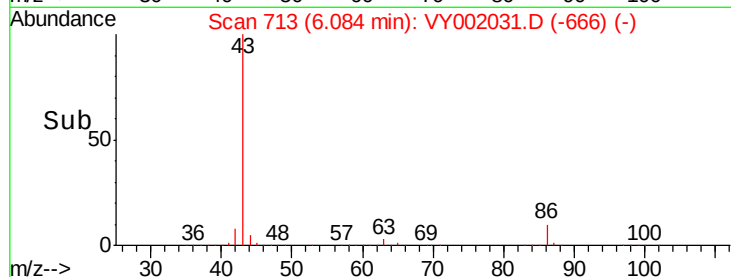
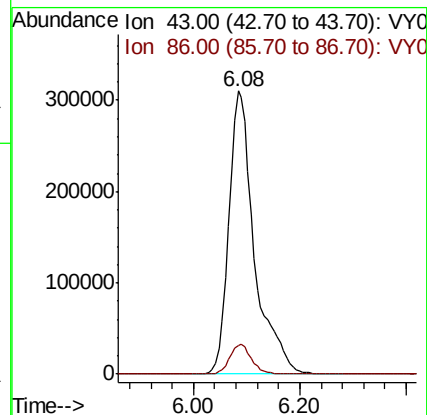
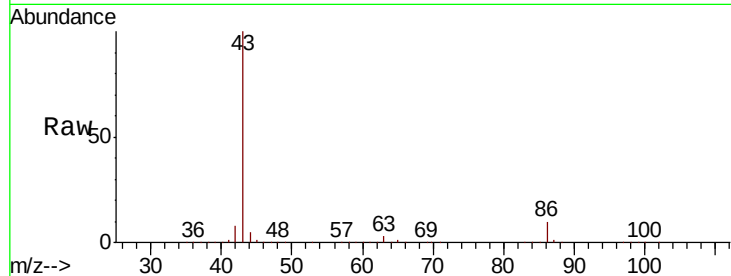
86 10.2 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.826 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

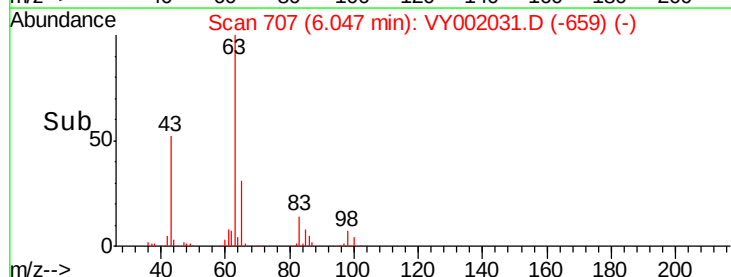
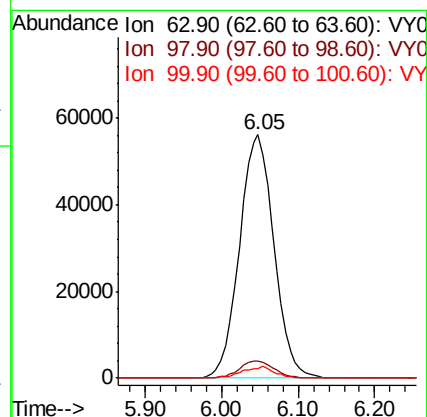
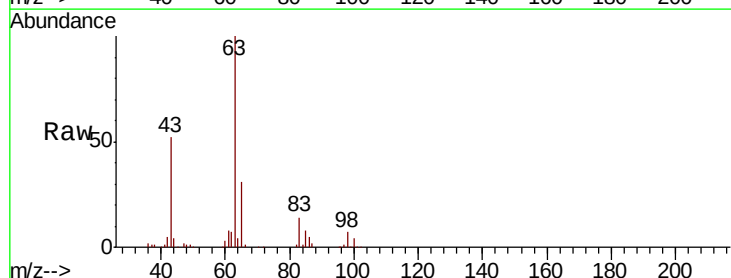
Tgt Ion: 63 Resp: 175438

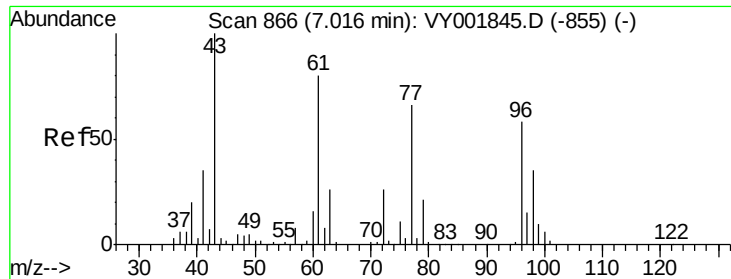
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.0 2.0 6.0





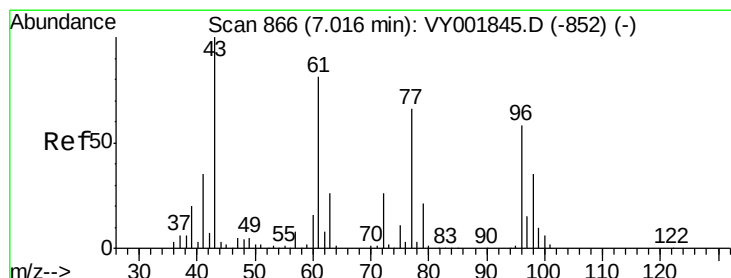
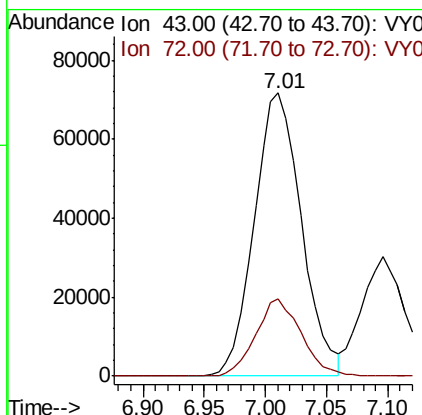
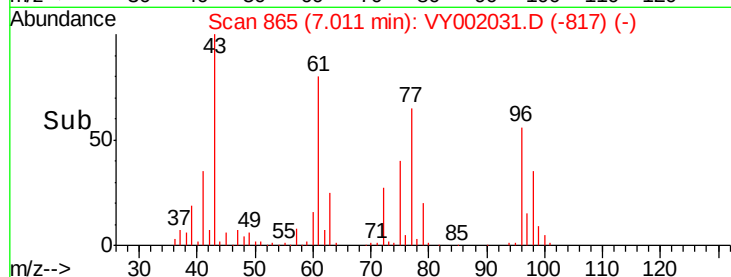
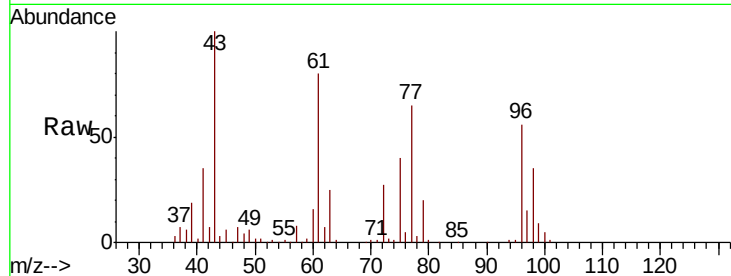
#25
2-Butanone
Concen: 243.247 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 192841
Ion Ratio Lower Upper
43 100
72 27.3 20.9 31.3

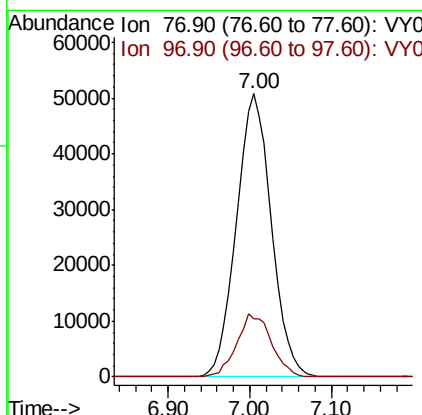
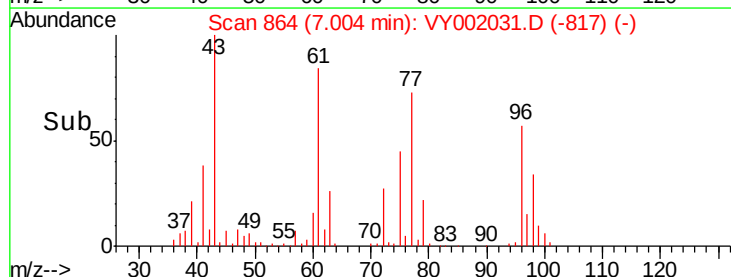
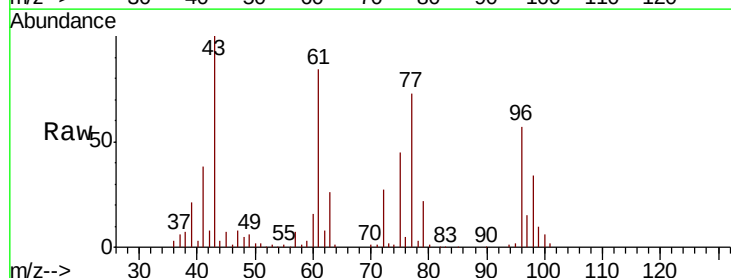
Manual Integrations
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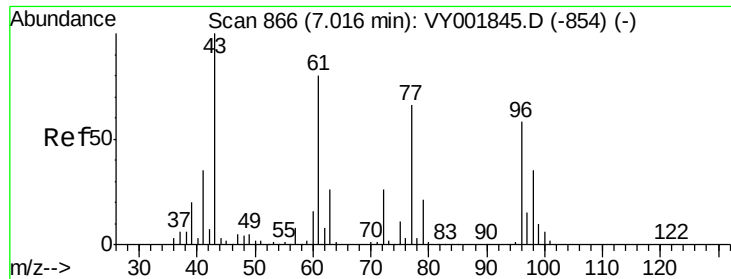
MMDadoda
3/23/2020 2:21:20 PM



#26
2,2-Dichloropropane
Concen: 50.127 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion: 77 Resp: 150923
Ion Ratio Lower Upper
77 100
97 22.1 11.9 35.7





#27

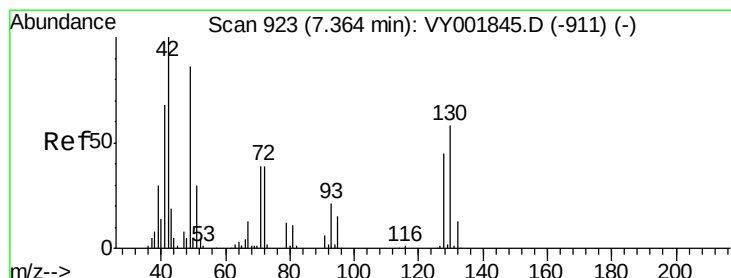
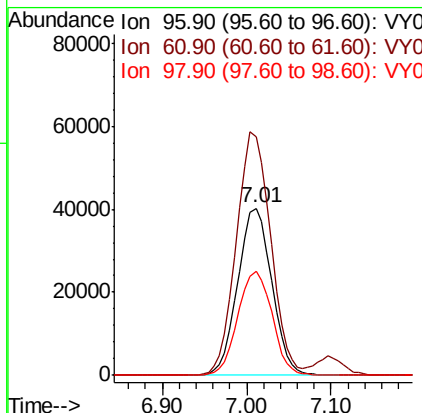
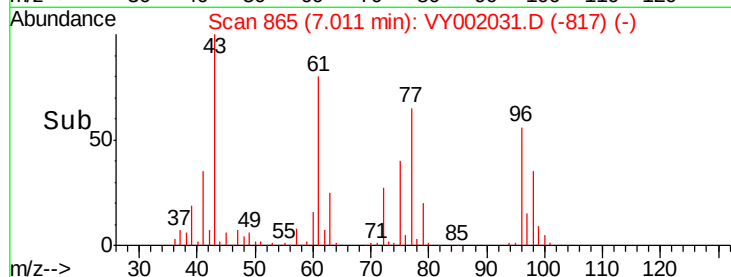
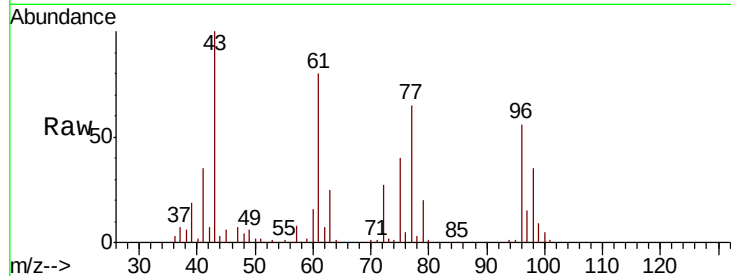
cis-1,2-Dichloroethene
Concen: 47.936 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	288.2
98	62.7	0.0	129.0

Manual Integrations
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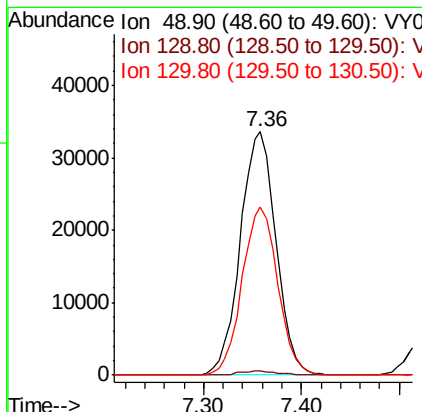
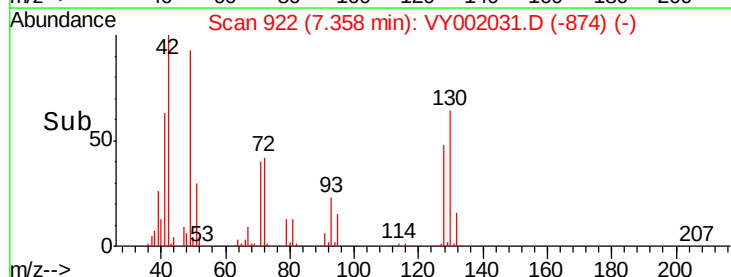
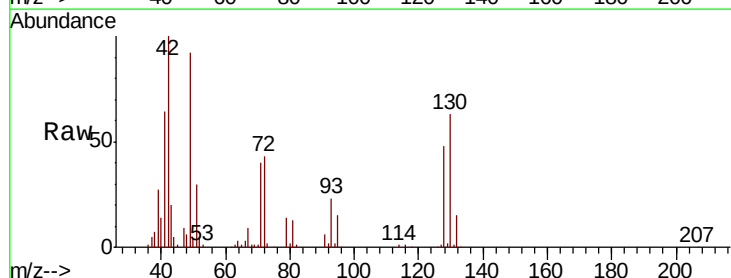
MMDadoda
3/23/2020 2:21:20 PM

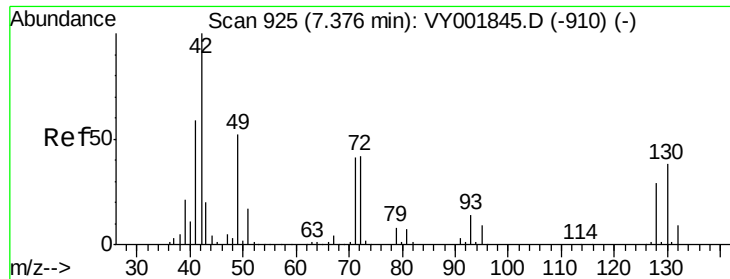


#28

Bromochloromethane
Concen: 51.490 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	69.0	54.4	81.6





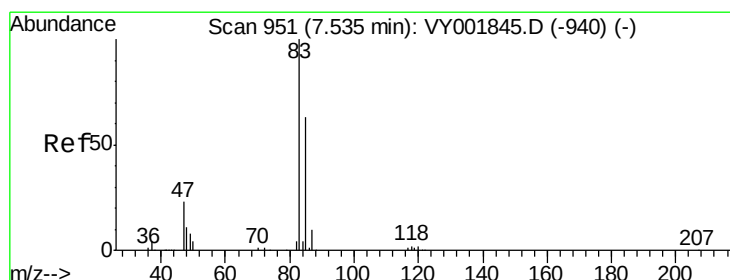
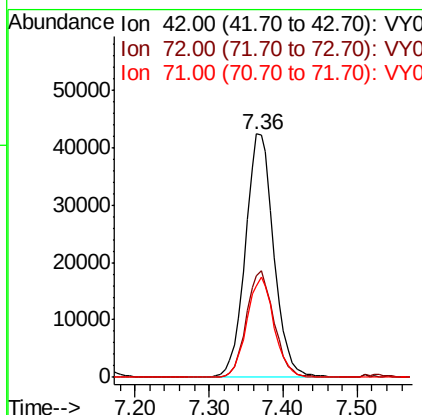
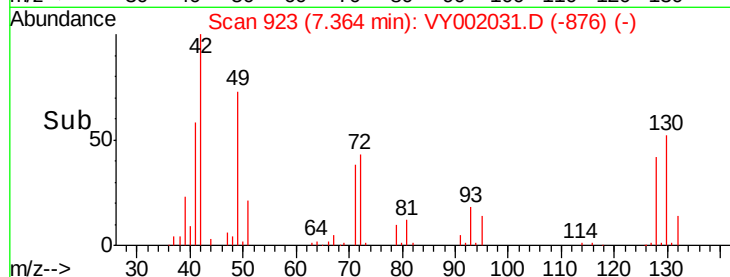
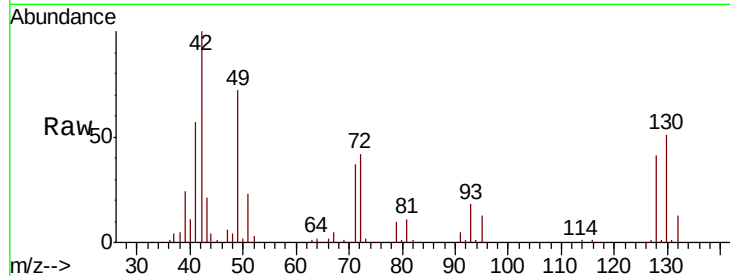
#29
Tetrahydrofuran
Concen: 215.570 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.5	50.3
71	39.5	31.3	46.9

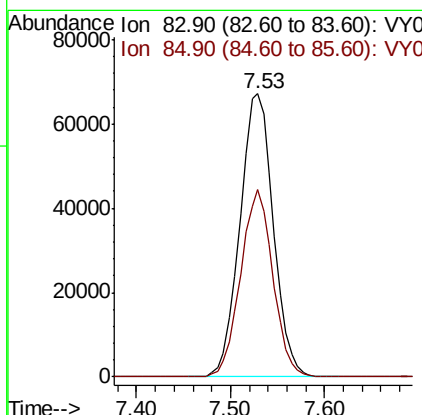
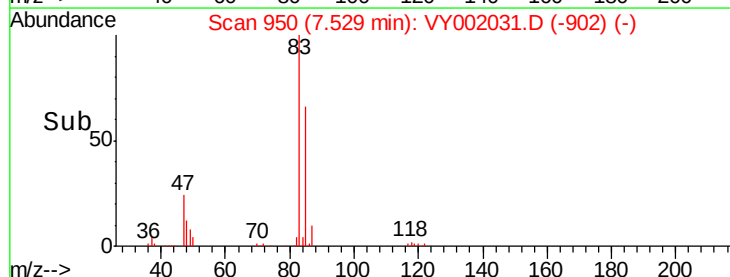
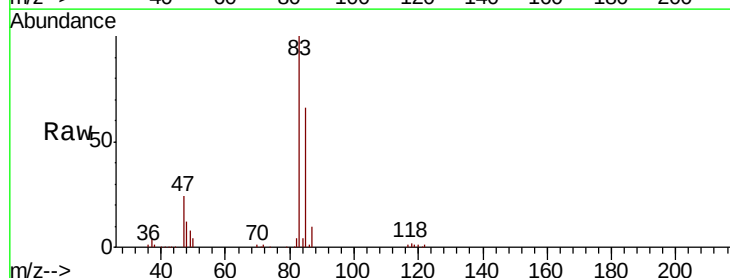
Manual Integrations
APPROVED

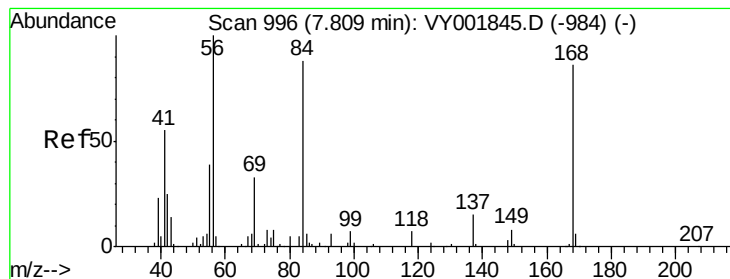
MMDadoda
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#30
Chloroform
Concen: 48.303 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.7	76.1





#31

Cyclohexane

Concen: 44.288 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

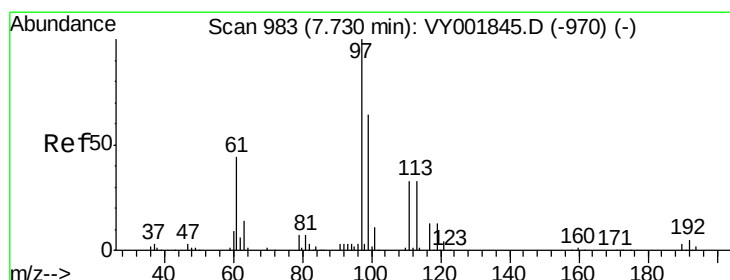
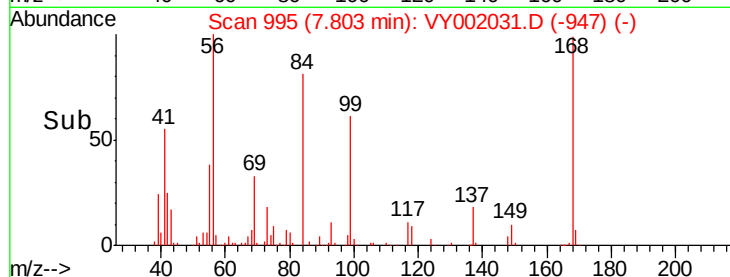
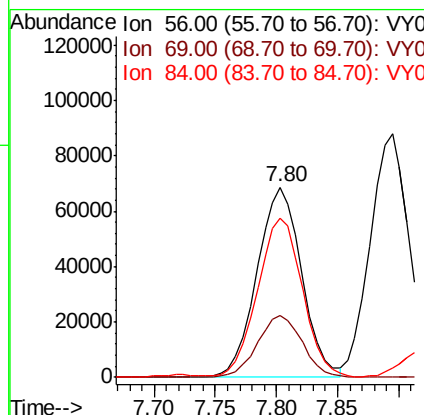
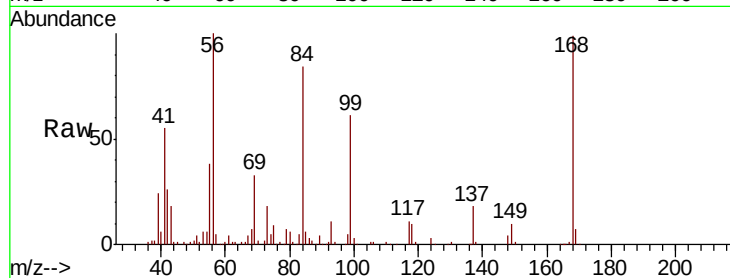
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	174191
Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.7	40.1
84	82.9	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.545 ug/l

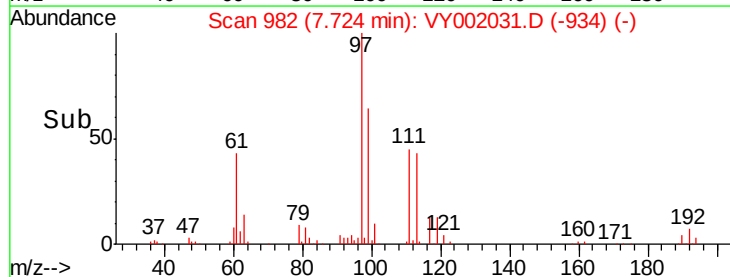
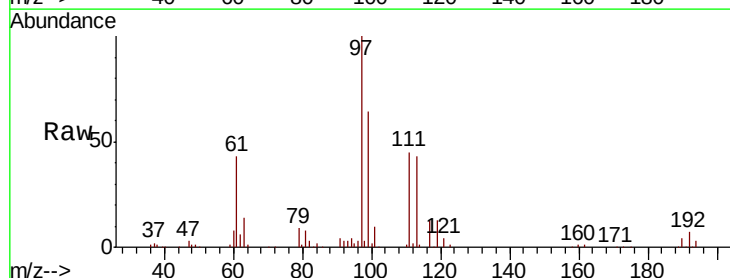
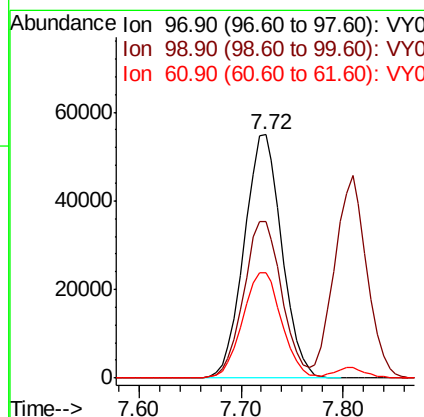
RT: 7.72 min Scan# 982

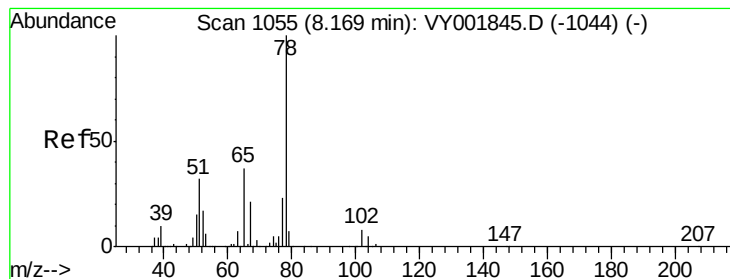
Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Tgt Ion:	97	Resp:	141014
Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.0	78.0
61	44.9	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 48.516 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 86837

Ion Ratio Lower Upper

65 100

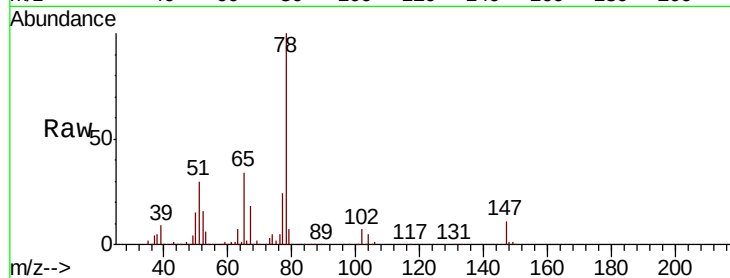
67 56.1 0.0 110.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001845.D (-1044) (-)

8.16

40000

30000

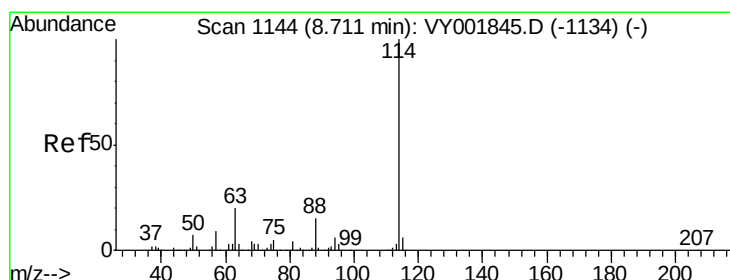
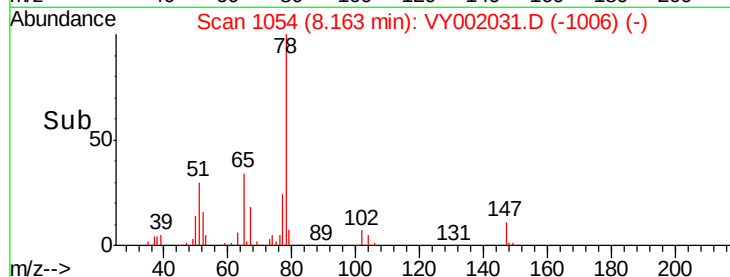
20000

10000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

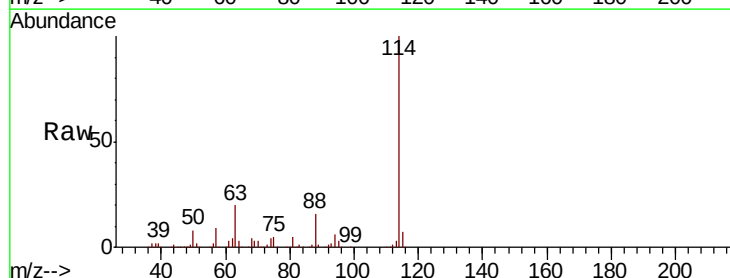
Tgt Ion: 114 Resp: 305349

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 15.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VY001845.D (-1134) (-)

Ion 63.00 (62.70 to 63.70): VY001845.D (-1134) (-)

Ion 87.90 (87.60 to 88.60): VY001845.D (-1134) (-)

8.71

200000

150000

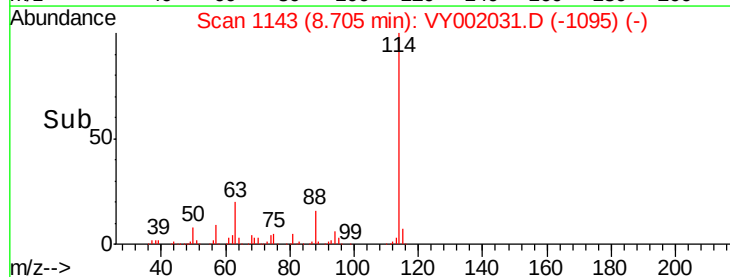
100000

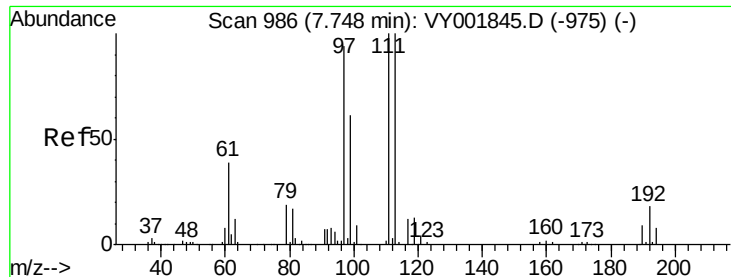
50000

0

8.60 8.70 8.80

Time-->





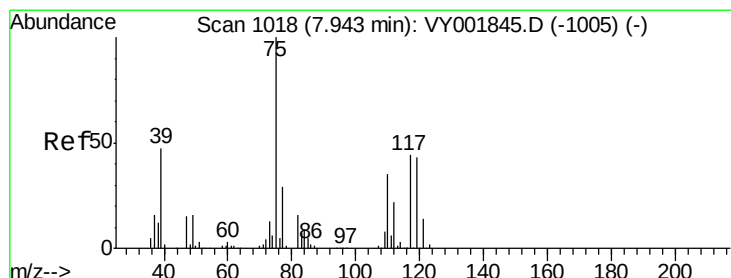
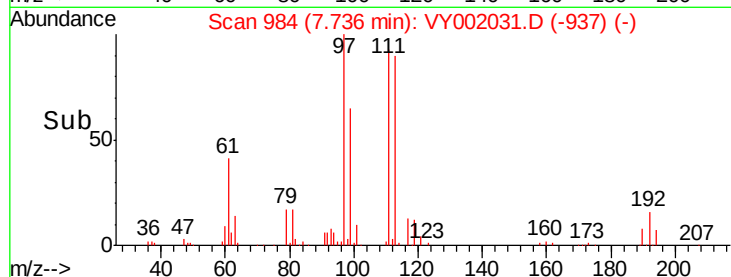
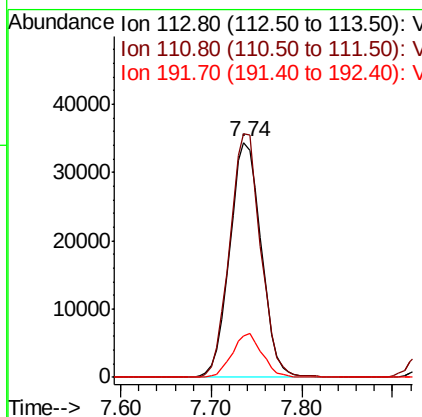
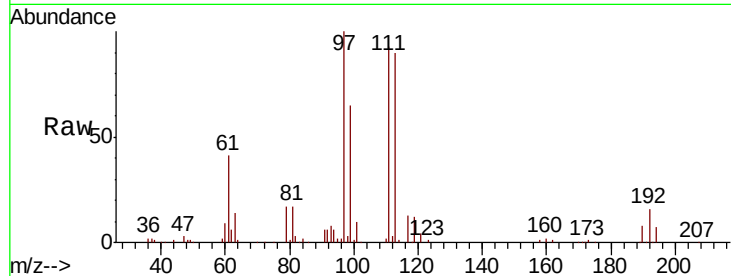
#35
 Dibromofluoromethane
 Concen: 49.860 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	17.8	14.2	21.2

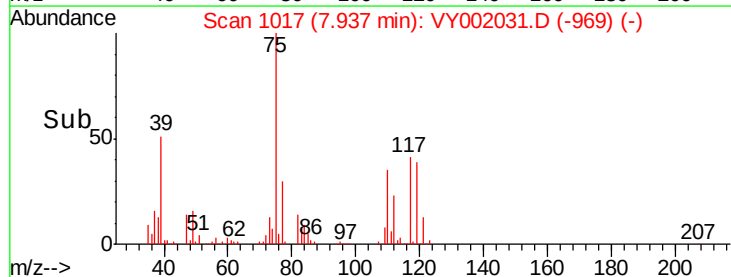
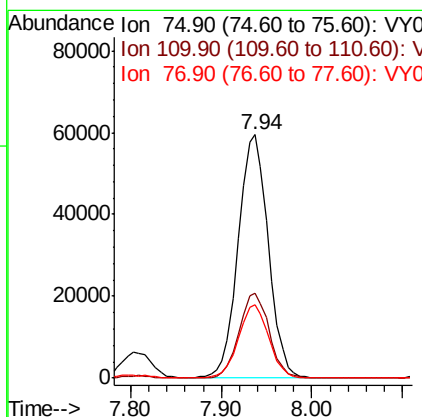
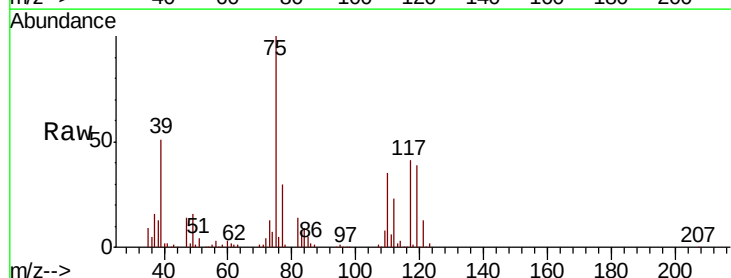
Manual Integrations
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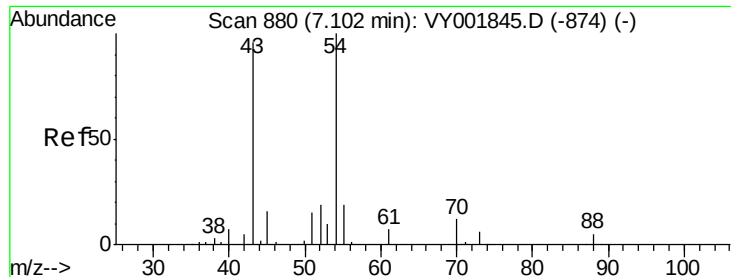
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#36
 1,1-Dichloropropene
 Concen: 46.636 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.2
77	30.5	24.2	36.2





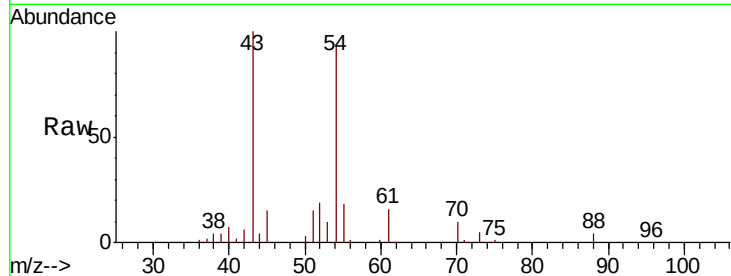
#37
Ethyl Acetate
Concen: 45.177 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	10.8	8.2	12.4

Manual Integrations
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MMDadoda
3/23/2020 2:21:20 PM

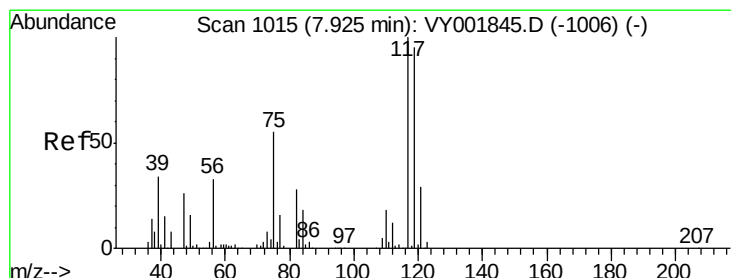
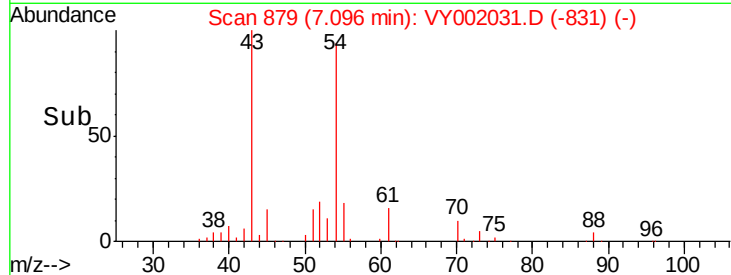
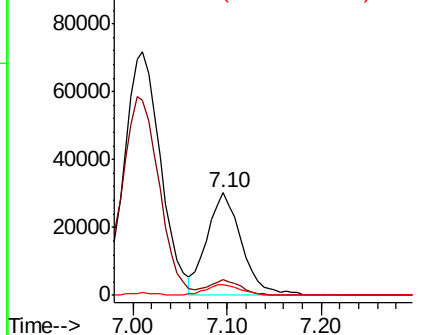


Abundance

Ion 43.00 (42.70 to 43.70): VY001845.D (-874) (-)

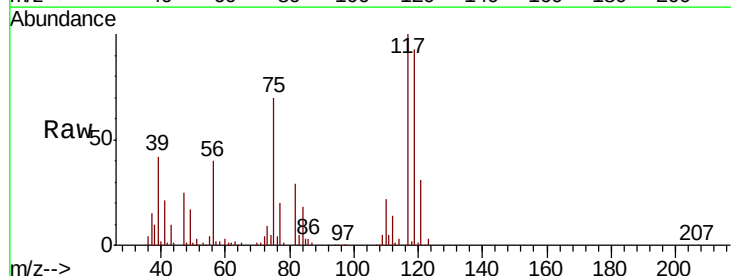
Ion 60.90 (60.60 to 61.60): VY001845.D (-874) (-)

Ion 70.00 (69.70 to 70.70): VY001845.D (-874) (-)



#38
Carbon Tetrachloride
Concen: 48.556 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.3	114.5
121	30.5	23.5	35.3

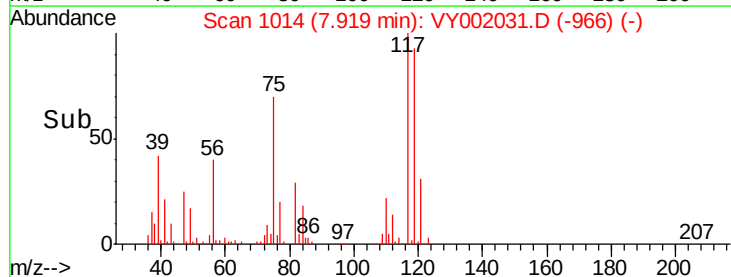
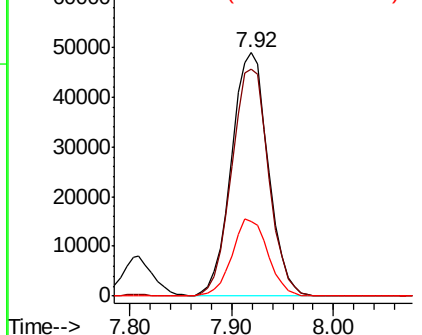


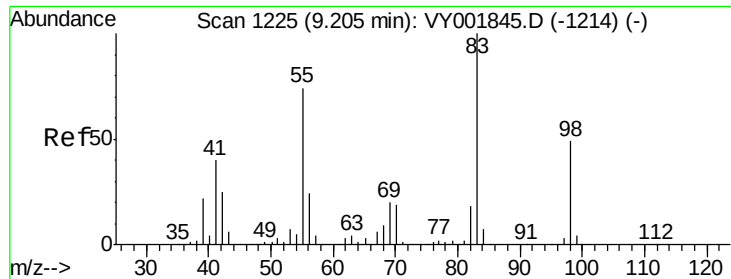
Abundance

Ion 116.80 (116.50 to 117.50): VY001845.D (-1006) (-)

Ion 118.80 (118.50 to 119.50): VY001845.D (-1006) (-)

Ion 120.80 (120.50 to 121.50): VY001845.D (-1006) (-)





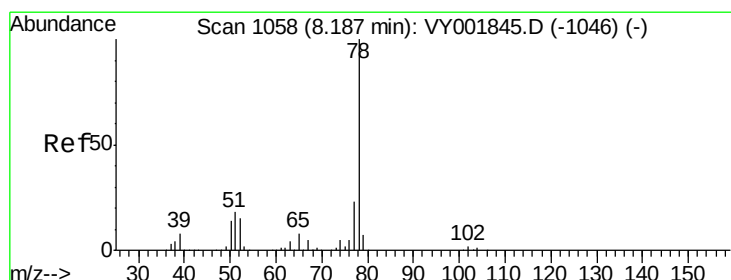
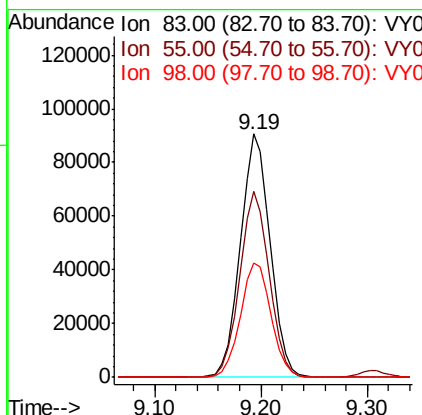
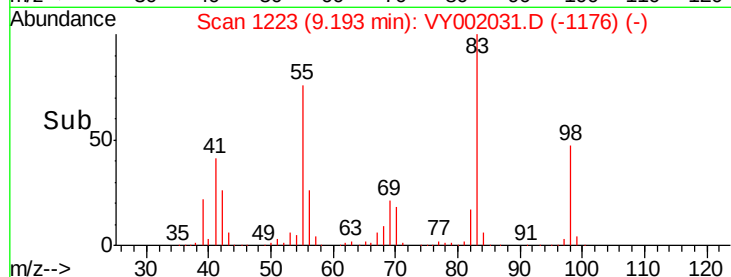
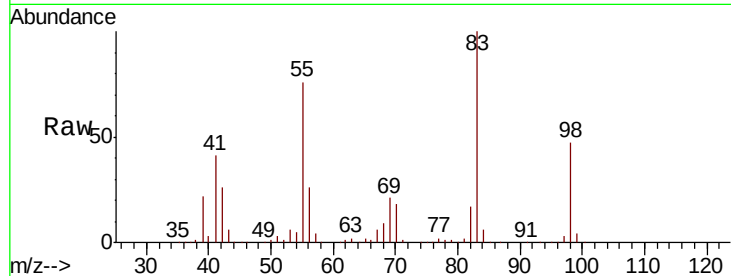
#39
Methylvlcyclohexane
Concen: 45.667 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	177978
Ion Ratio	100	Lower	Upper
83	100		
55	76.5	59.4	89.0
98	47.2	38.9	58.3

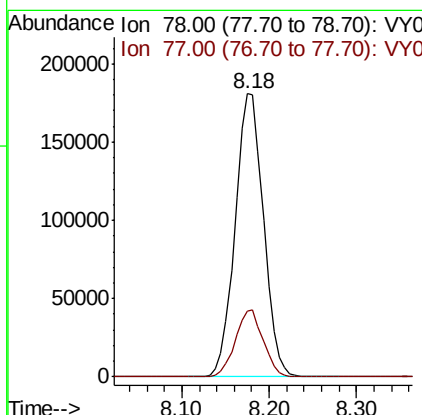
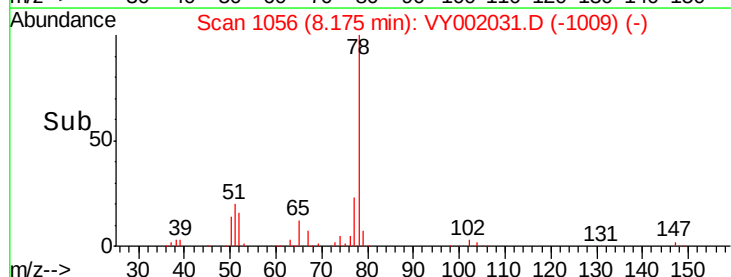
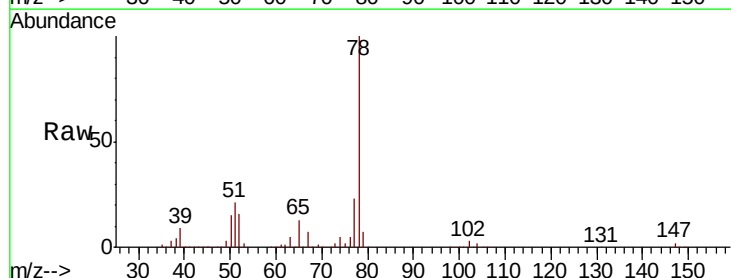
Manual Integrations
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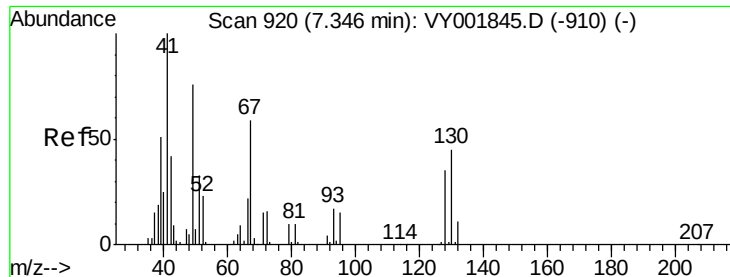
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#40
Benzene
Concen: 46.763 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	78	Resp	407277
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.7	28.1





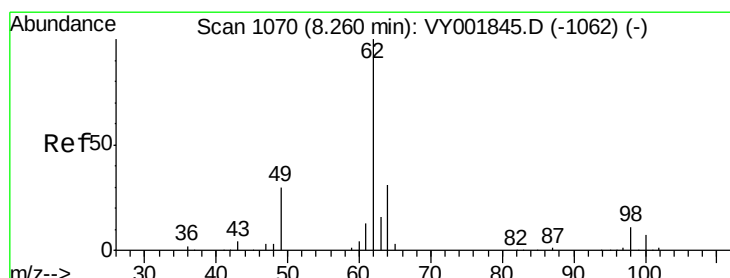
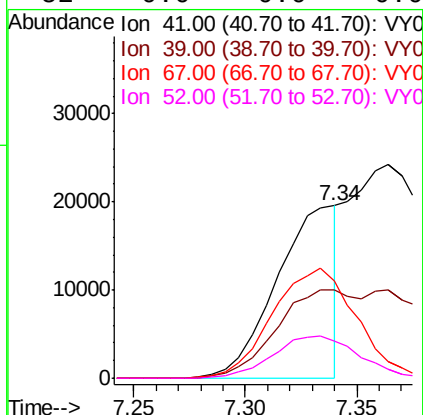
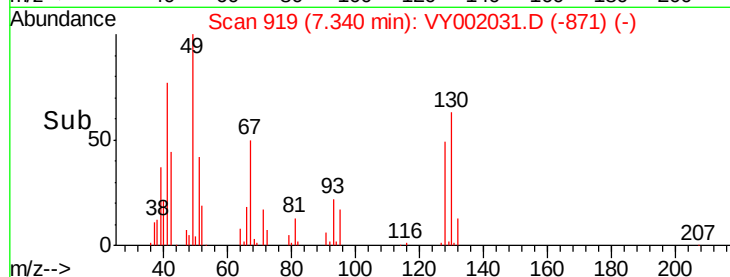
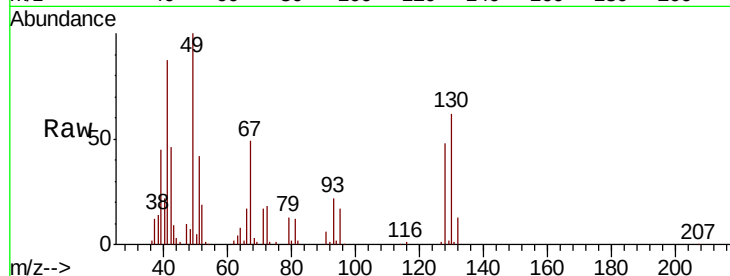
#41
Methacrylonitrile
Concen: 48.451 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	37238
Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

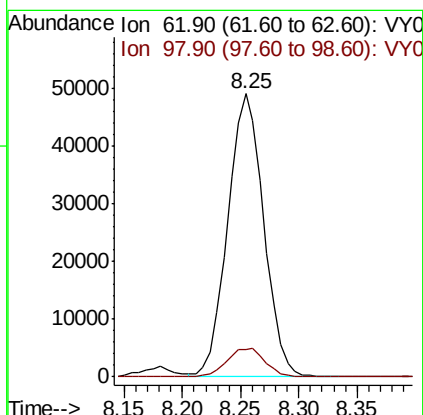
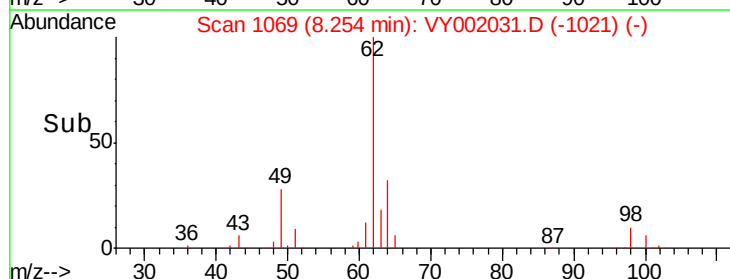
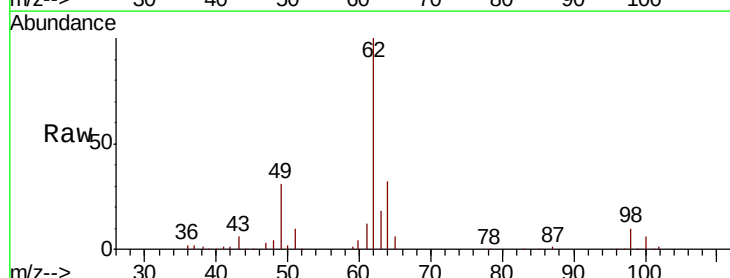
Manual Integrations
APPROVED

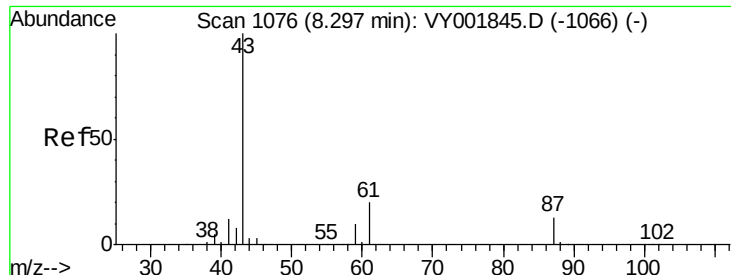
MMDadoda
3/23/2020 2:21:20 PM



#42
1,2-Dichloroethane
Concen: 46.897 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	62	Resp	105249
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





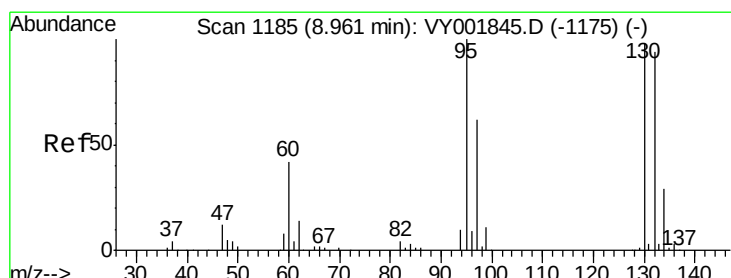
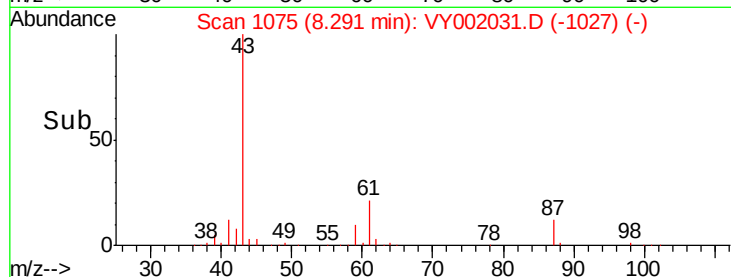
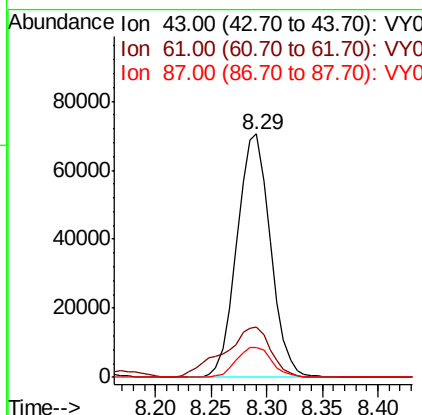
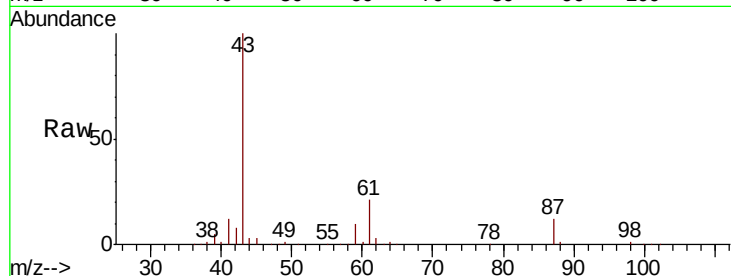
#43
Isopropyl Acetate
Concen: 45.659 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.8	35.6
87	13.1	10.9	16.3

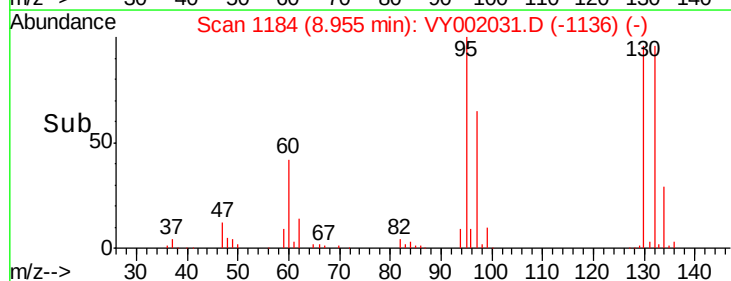
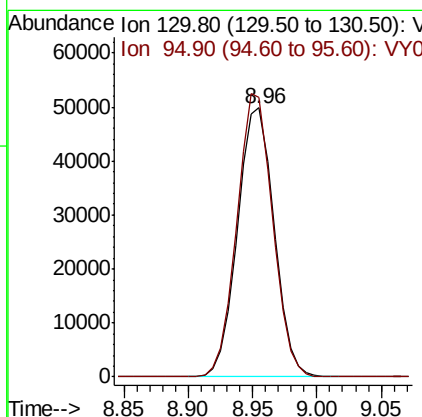
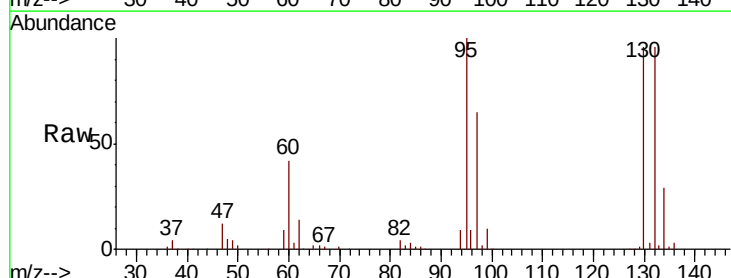
Manual Integrations
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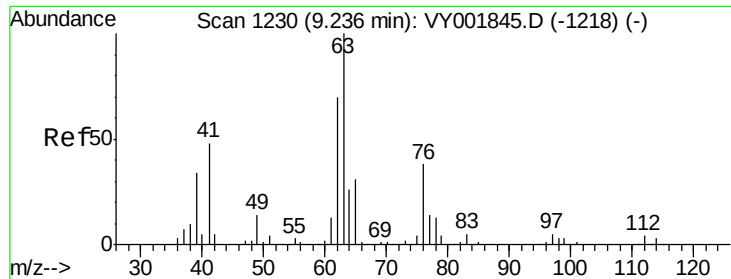
MMDadoda
3/23/2020 2:21:20 PM



#44
Trichloroethene
Concen: 46.209 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.6





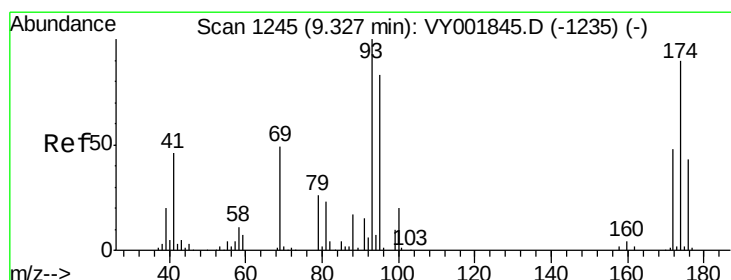
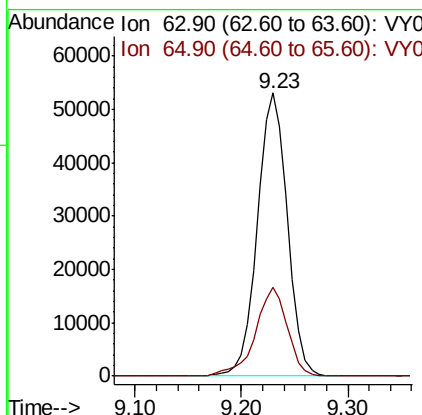
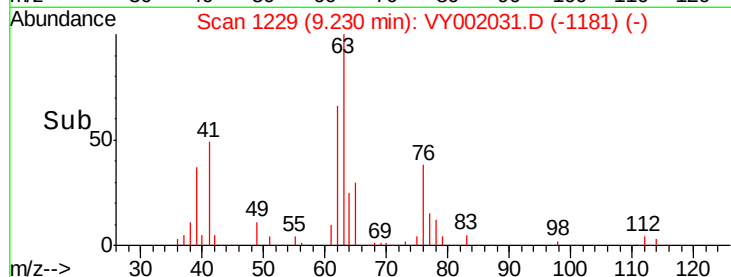
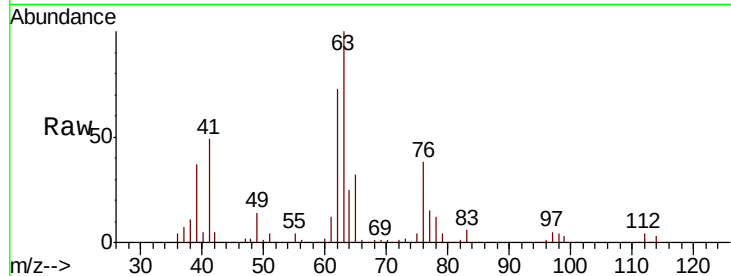
#45
 1,2-Dichloropropane
 Concen: 47.847 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 104755
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.9 37.3

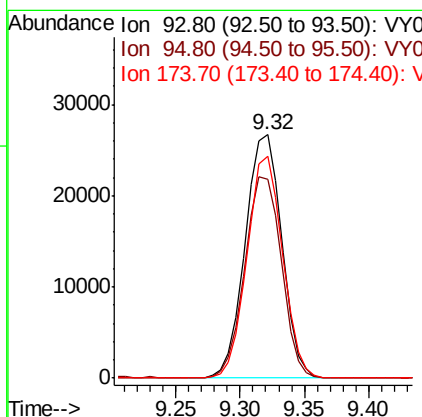
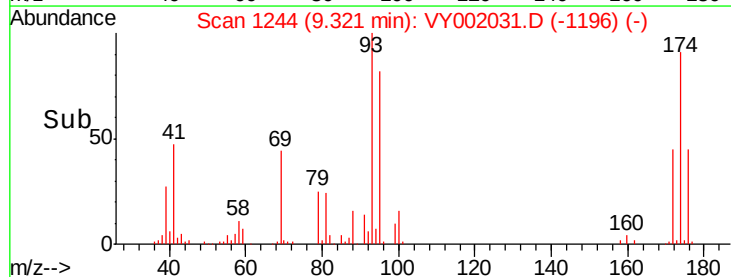
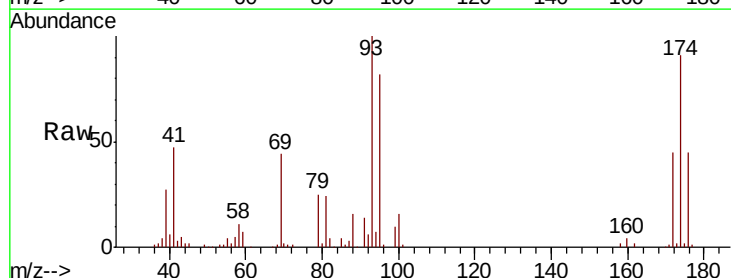
Manual Integrations
 APPROVED

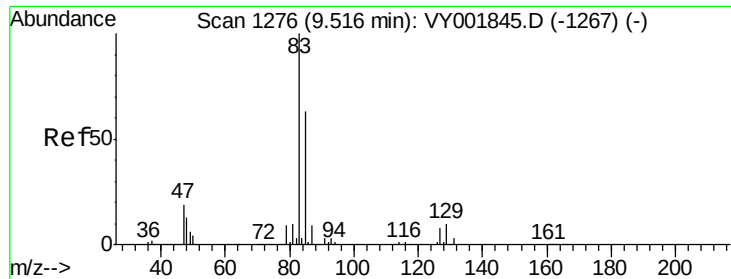
MMDadoda
 3/23/2020 2:21:20 PM



#46
 Dibromomethane
 Concen: 46.442 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion: 93 Resp: 52398
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.4
 174 88.3 71.8 107.8





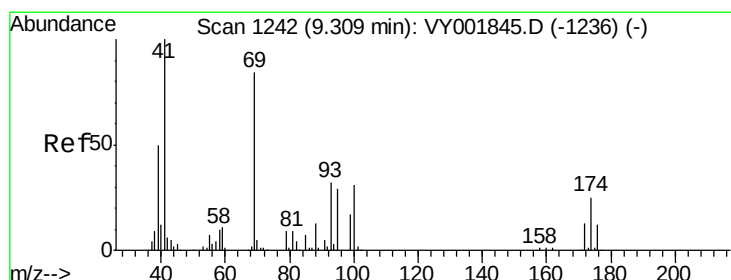
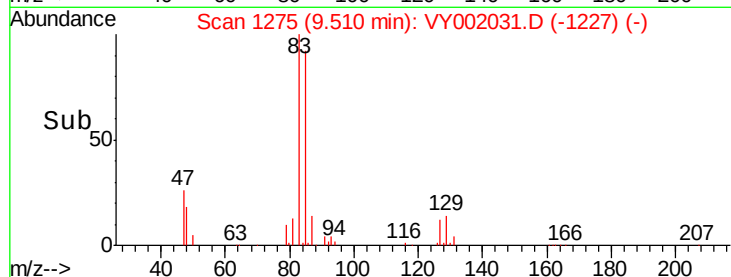
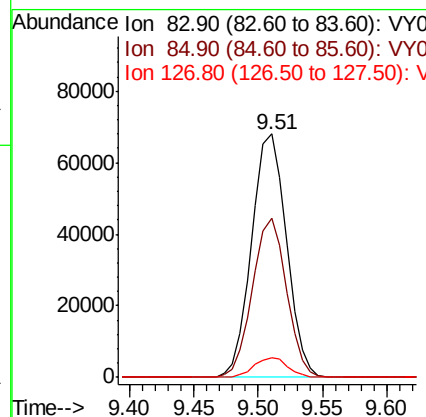
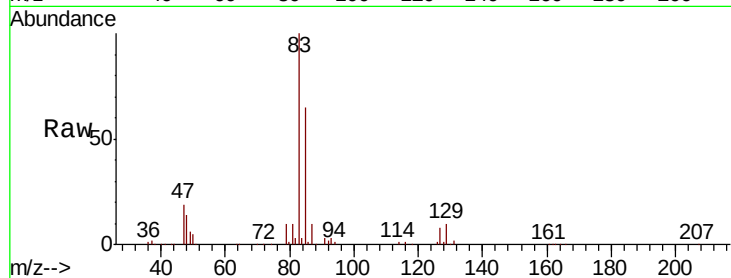
#47
Bromodichloromethane
Concen: 48.486 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	76.0
127	8.1	6.2	9.4

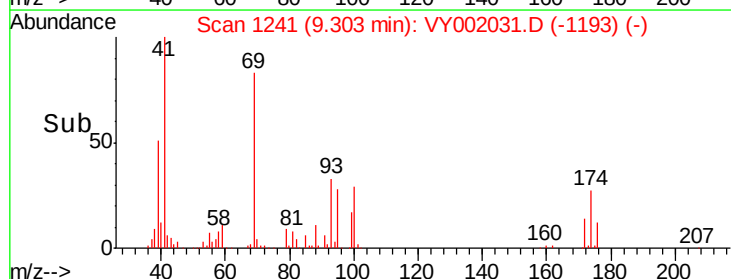
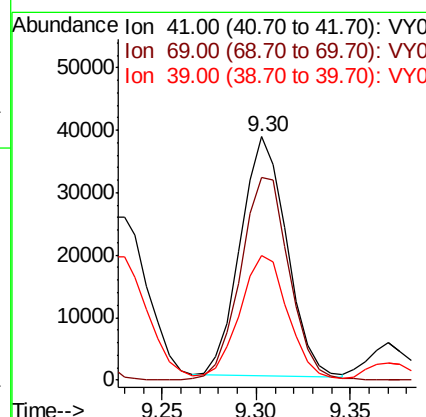
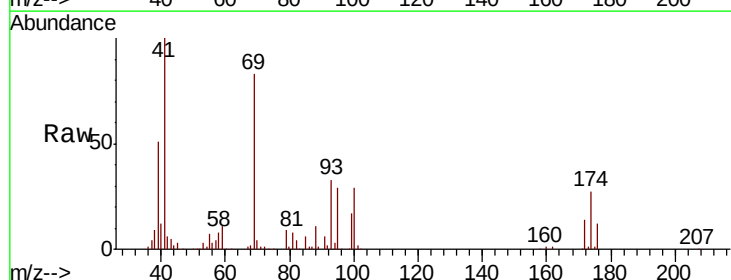
Manual Integrations
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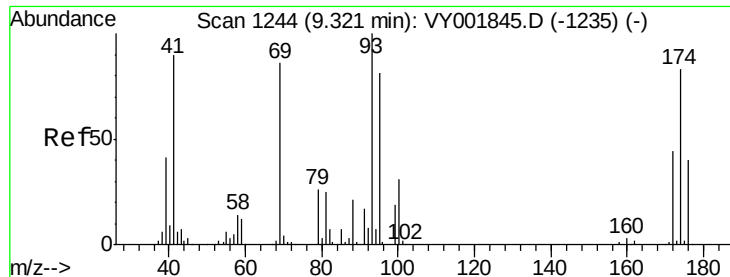
MMDadoda
3/23/2020 2:21:20 PM



#48
Methyl methacrylate
Concen: 45.555 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.0	69.0	103.6
39	52.4	39.1	58.7





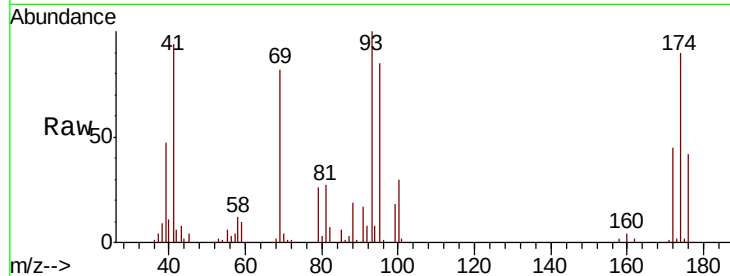
#49
1,4-Dioxane
Concen: 889.538 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	25.0	37.6
58	62.4	58.9	88.3

Manual Integrations
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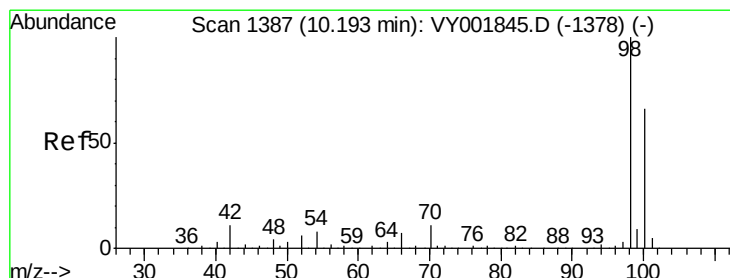
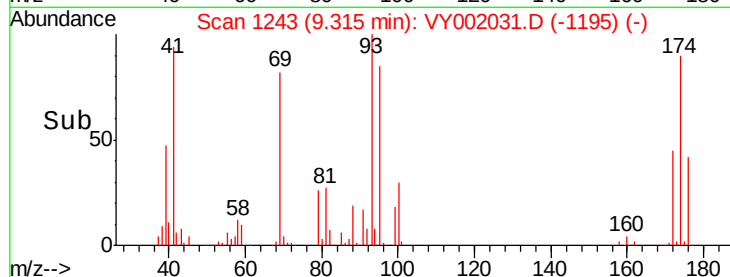
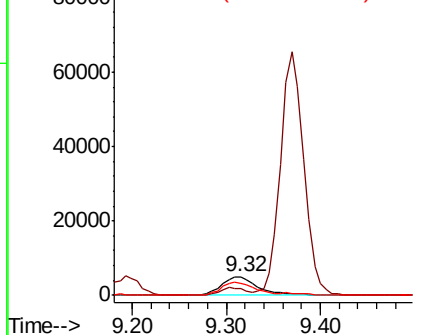


Abundance

Ion 88.00 (87.70 to 88.70): VY0

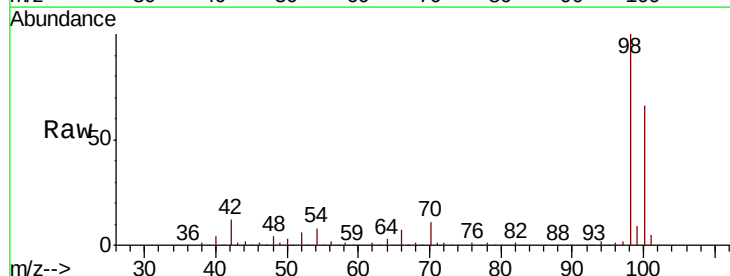
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 48.163 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

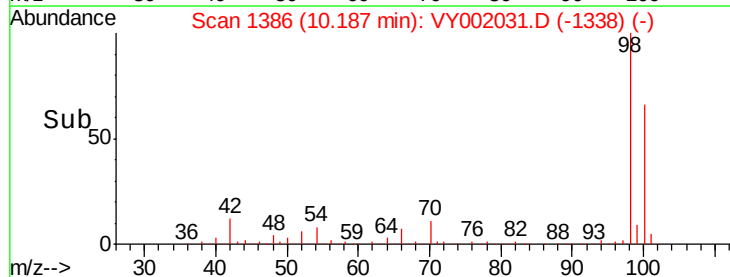
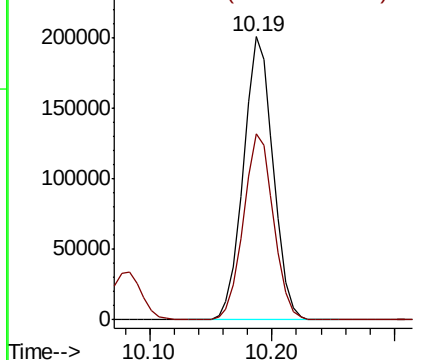
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4

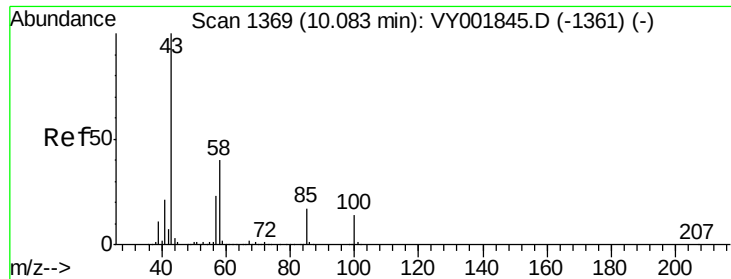


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





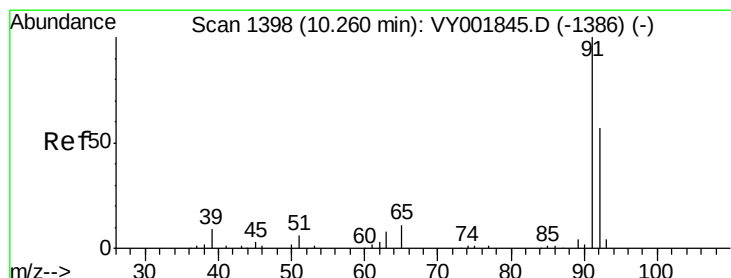
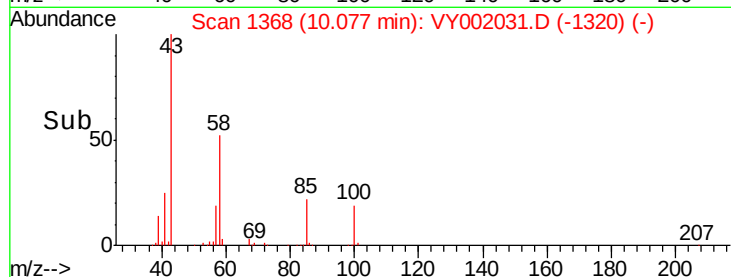
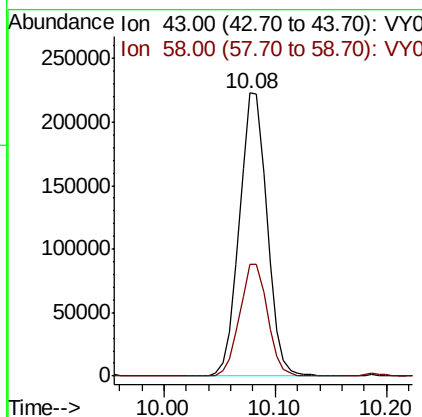
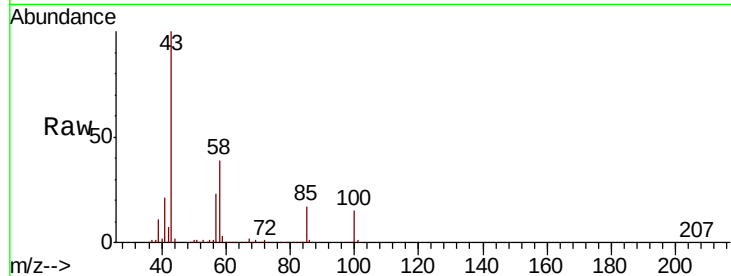
#51
4-Methyl-2-Pentanone
Concen: 231.258 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	385137
Ion Ratio	100	Lower	Upper
58	39.9	32.0	48.0

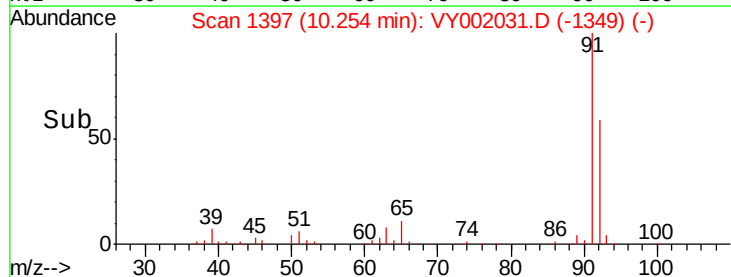
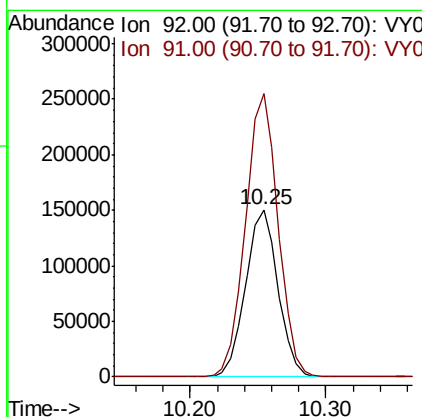
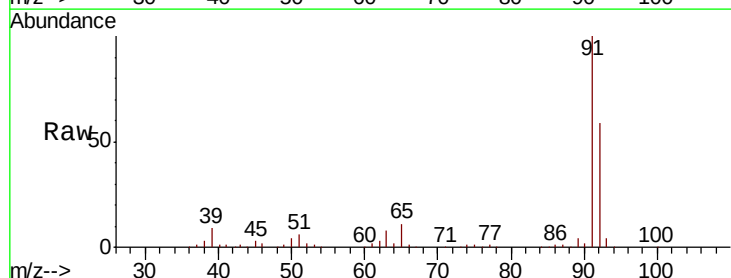
Manual Integrations
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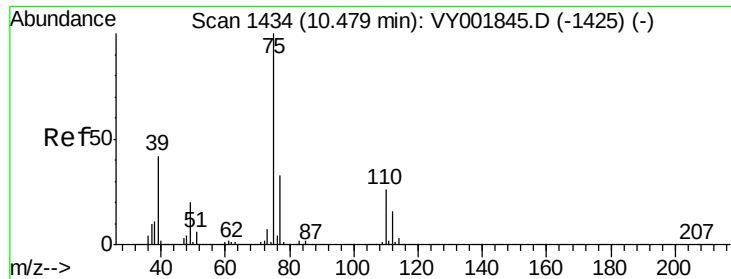
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#52
Toluene
Concen: 47.358 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	92	Resp	250563
Ion Ratio	100	Lower	Upper
91	171.0	138.6	208.0





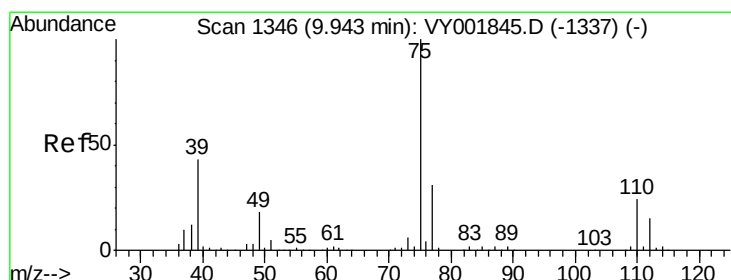
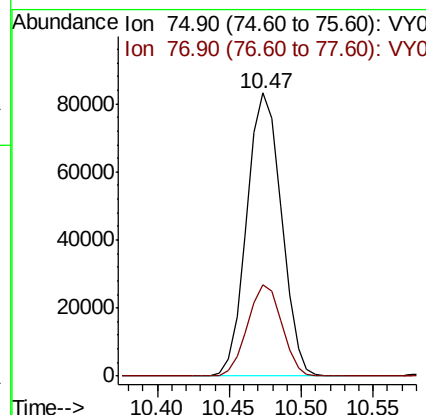
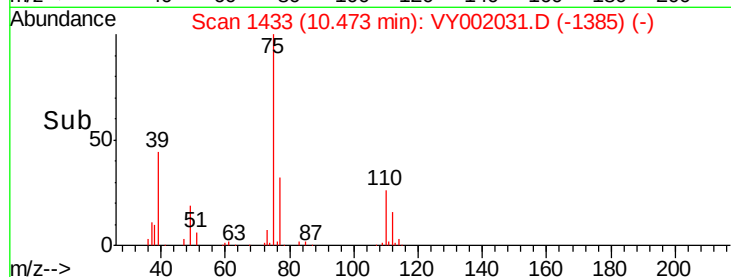
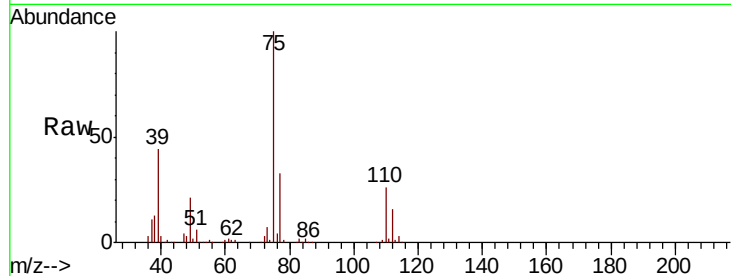
#53
t-1,3-Dichloropropene
Concen: 48.589 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 138934
Ion Ratio Lower Upper
75 100
77 32.4 26.3 39.5

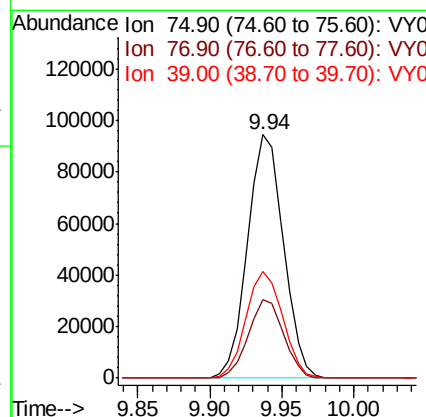
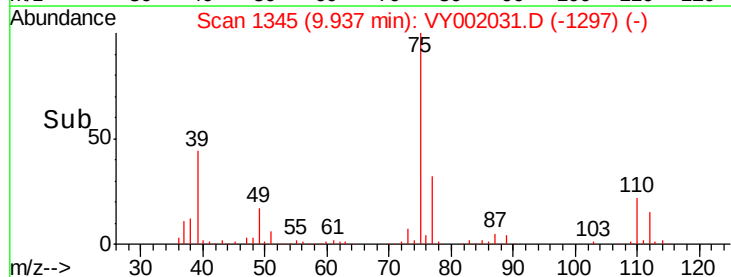
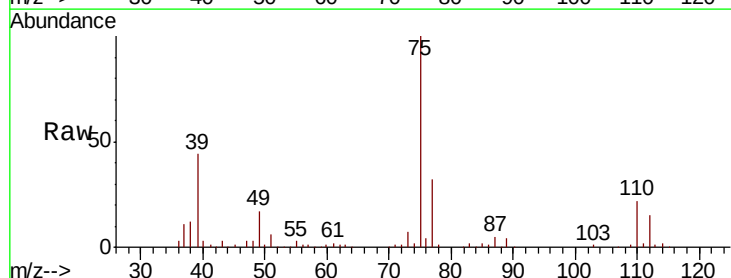
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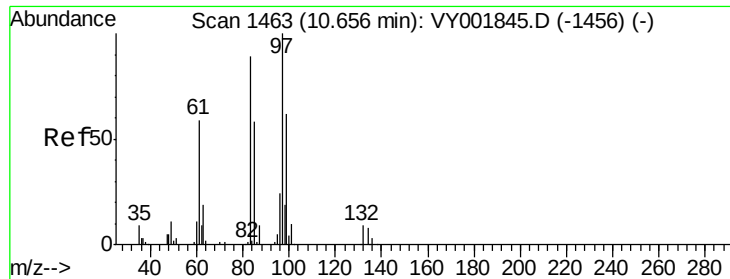
MMDadoda
3/23/2020 2:21:20 PM



#54
cis-1,3-Dichloropropene
Concen: 47.977 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion: 75 Resp: 163310
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7
39 43.7 34.7 52.1





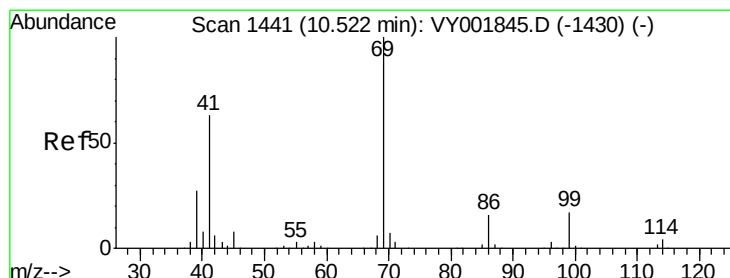
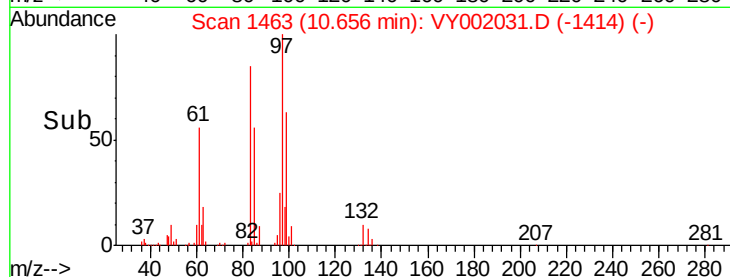
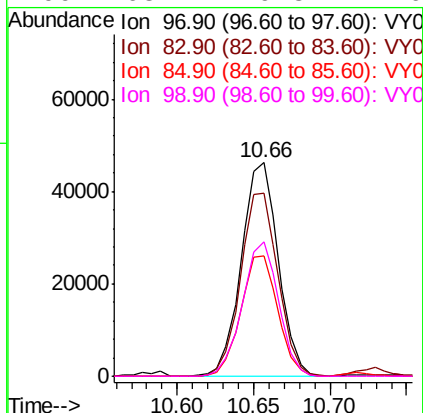
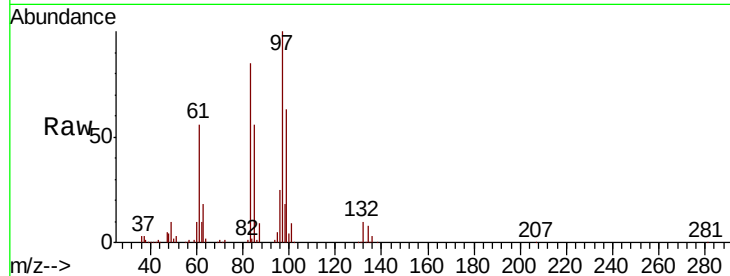
#55
 1,1,2-Trichloroethane
 Concen: 46.843 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.5	71.6	107.4
85	56.4	46.6	69.8
99	63.1	49.8	74.6

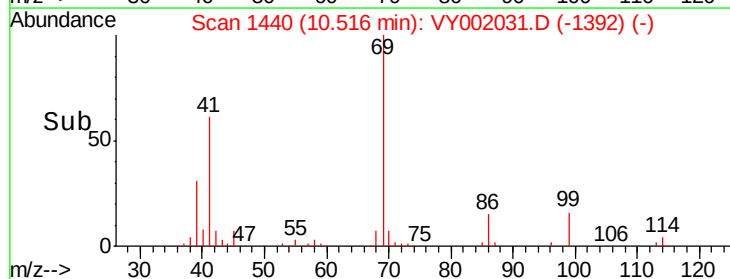
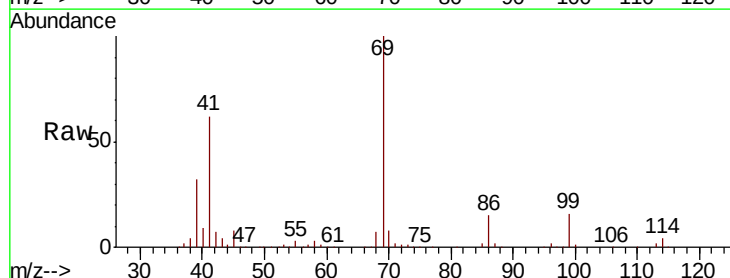
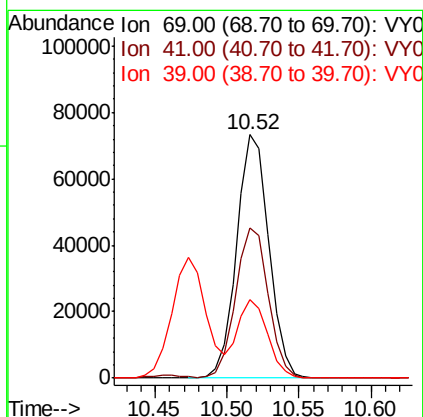
Manual Integrations
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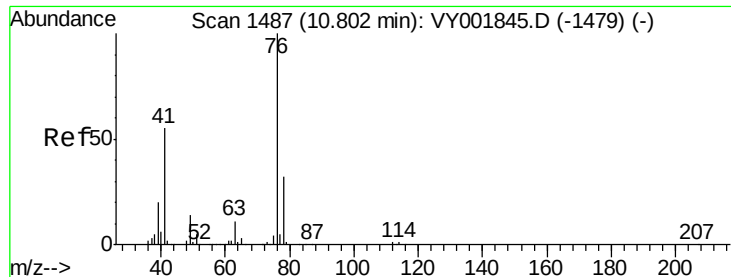
MMDadoda
 3/23/2020 2:21:20 PM



#56
 Ethyl methacrylate
 Concen: 47.191 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.9	74.9
39	30.7	23.0	34.6





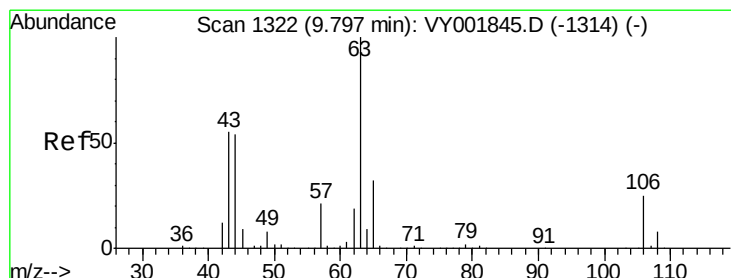
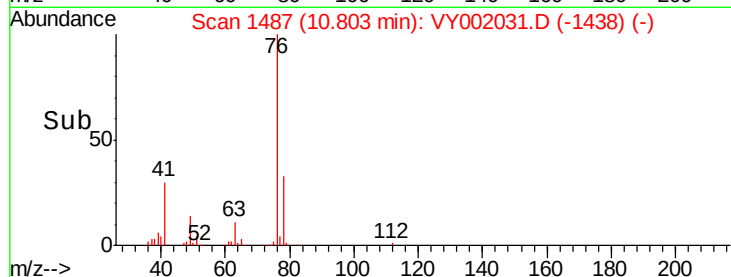
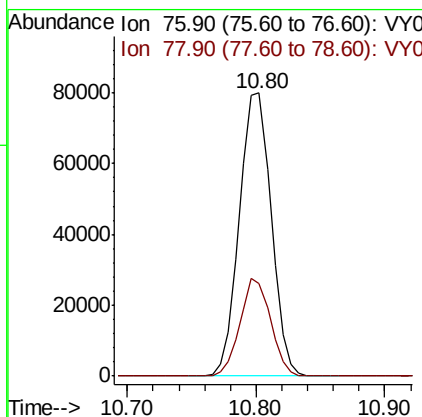
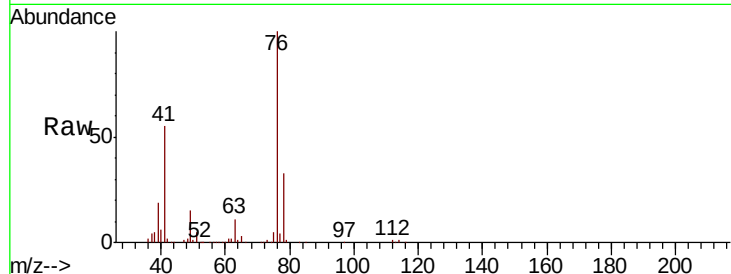
#57
 1,3-Dichloropropane
 Concen: 46.610 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.6

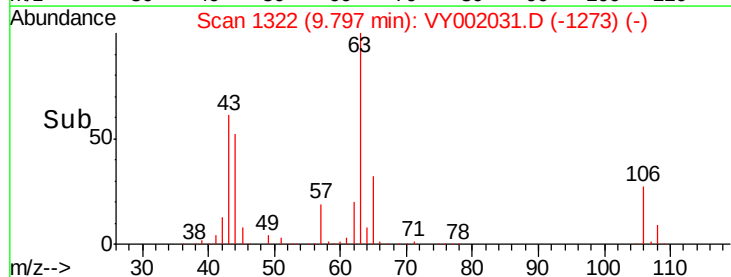
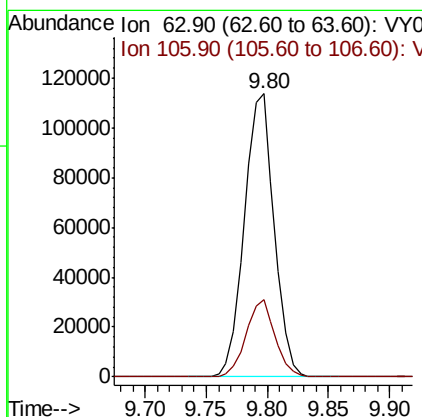
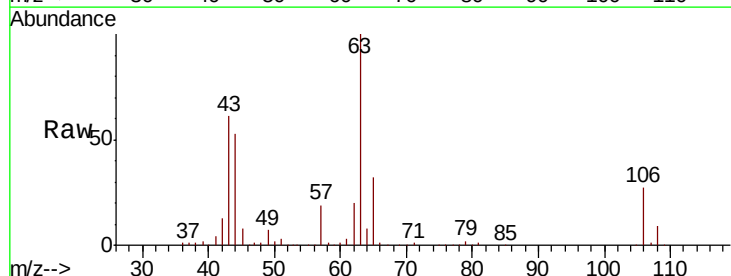
Manual Integrations
 APPROVED

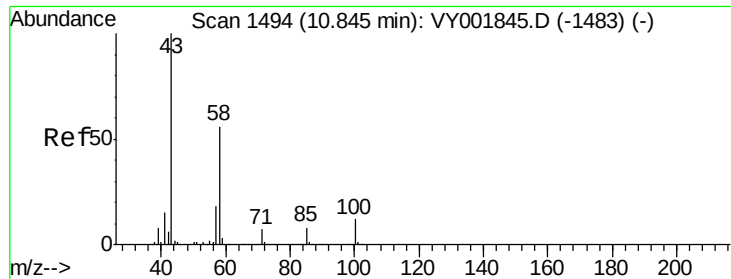
MMDadoda
 3/23/2020 2:21:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.215 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.3	31.9





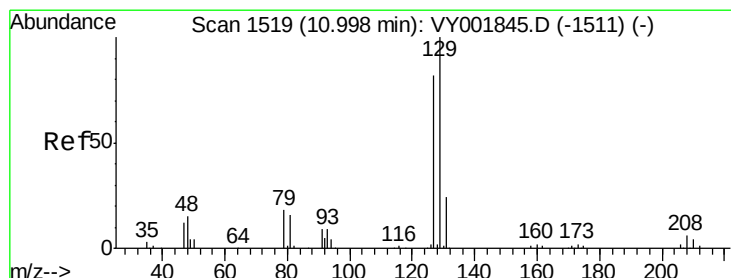
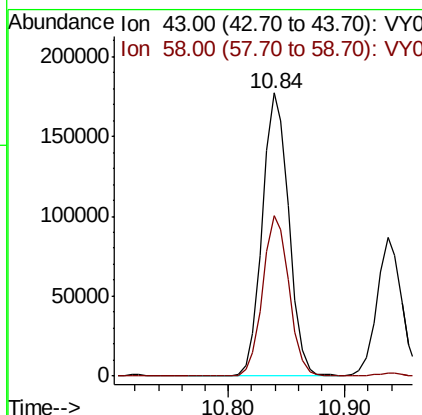
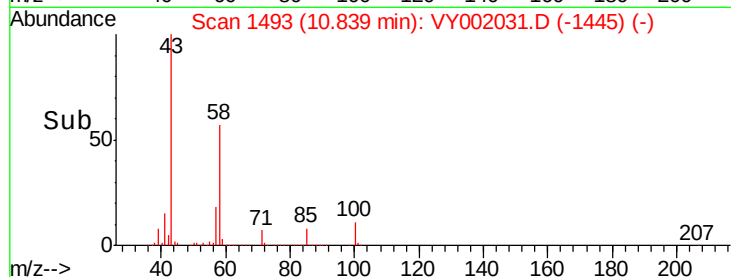
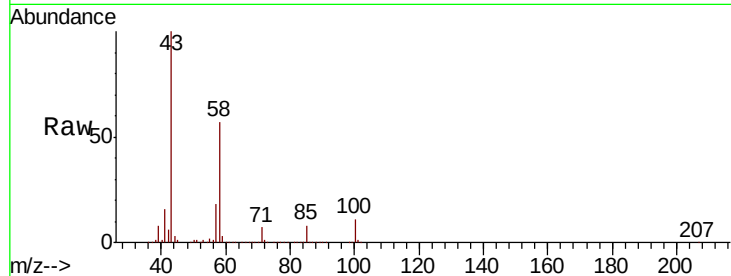
#59
2-Hexanone
Concen: 236.551 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	281184
Ion Ratio	100	Lower	Upper
43	100		
58	56.3	28.1	84.3

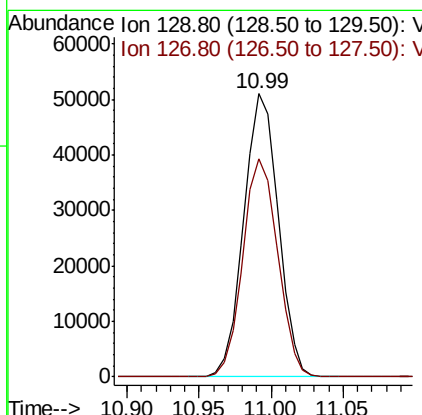
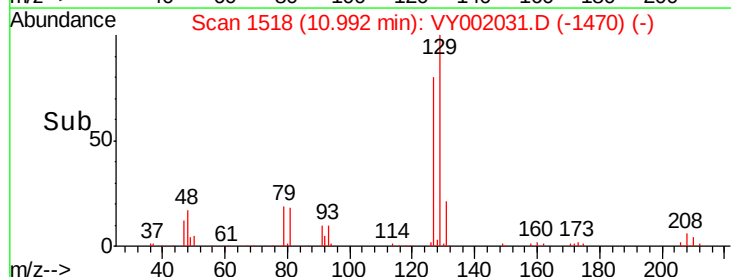
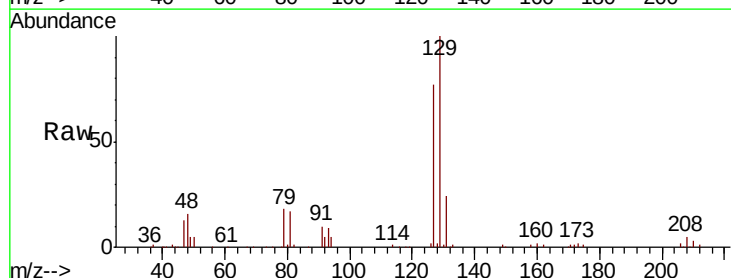
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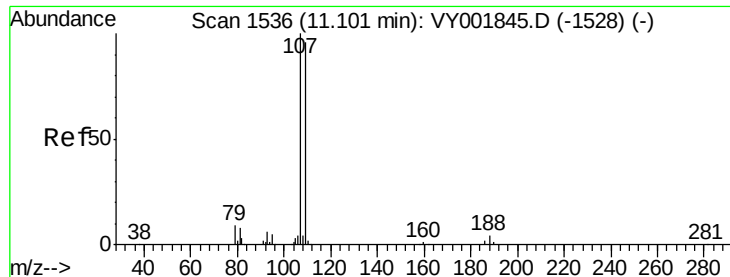
MMDadoda
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#60
Dibromochloromethane
Concen: 48.663 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	129	Resp	84668
Ion Ratio	100	Lower	Upper
129	100		
127	77.7	39.0	117.0





#61

1,2-Dibromoethane

Concen: 45.561 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 71260

Ion Ratio Lower Upper

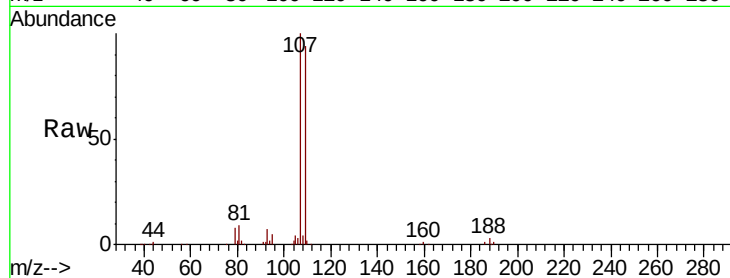
107 100

109 95.9 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.10

40000

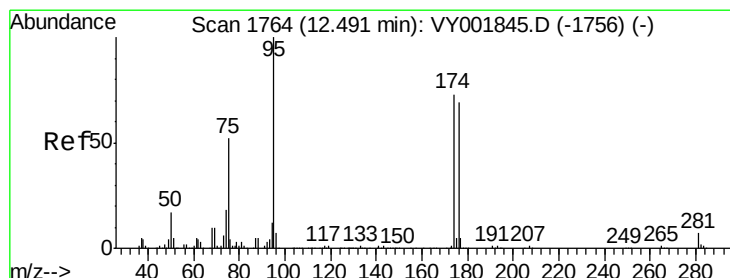
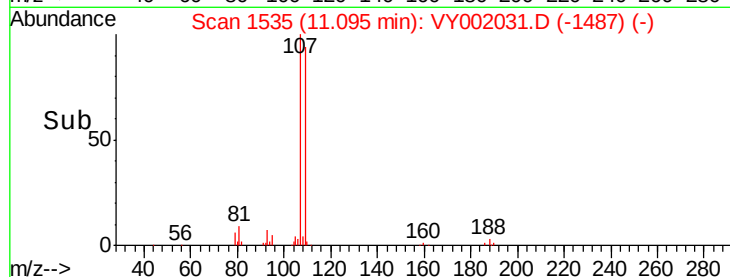
30000

20000

10000

0

Time--> 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.779 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

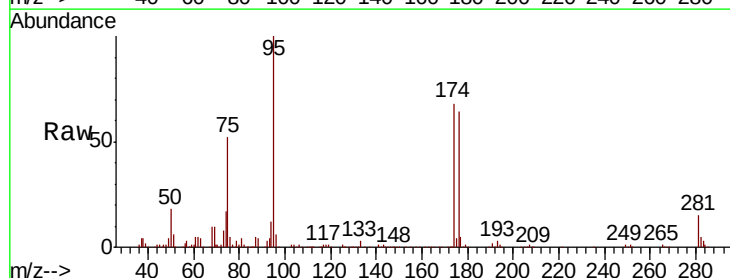
Tgt Ion: 95 Resp: 119251

Ion Ratio Lower Upper

95 100

174 71.5 0.0 145.0

176 69.6 0.0 137.4



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

100000

80000

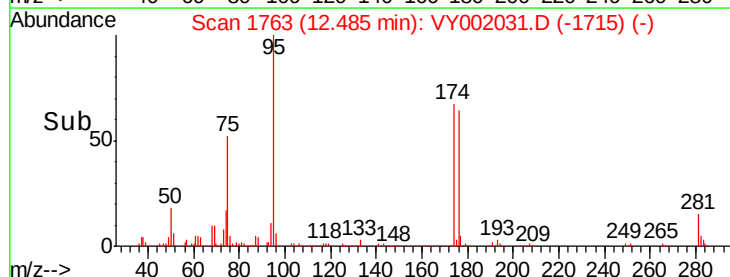
60000

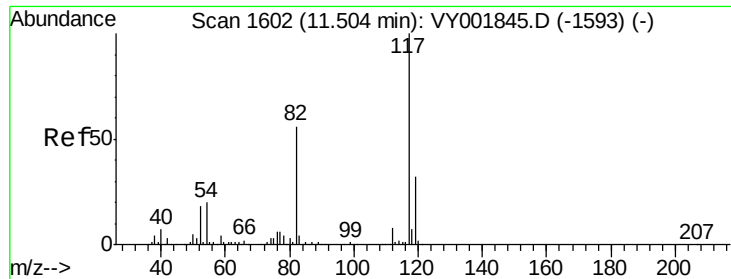
40000

20000

0

Time--> 12.40 12.45 12.50 12.55





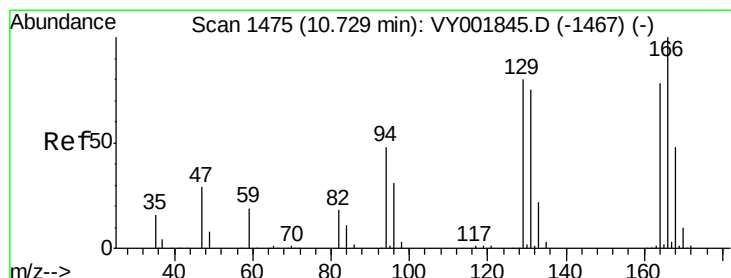
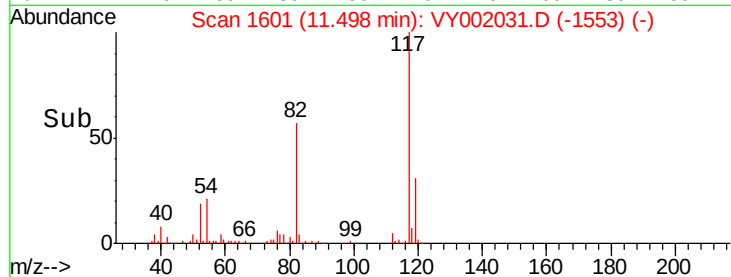
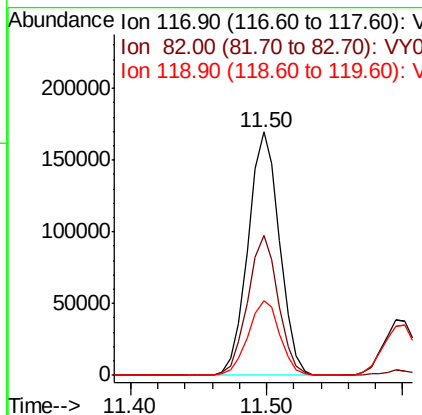
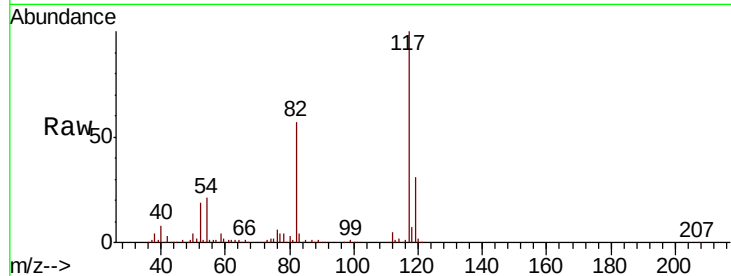
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.5	66.7
119	30.9	25.7	38.5

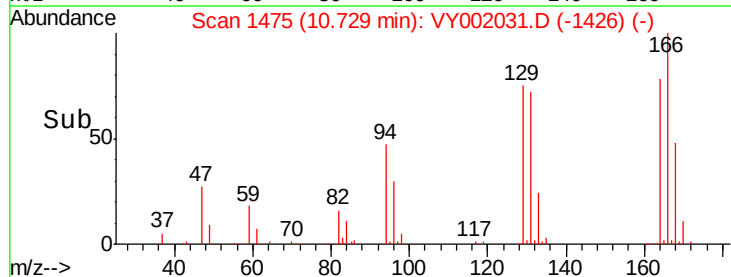
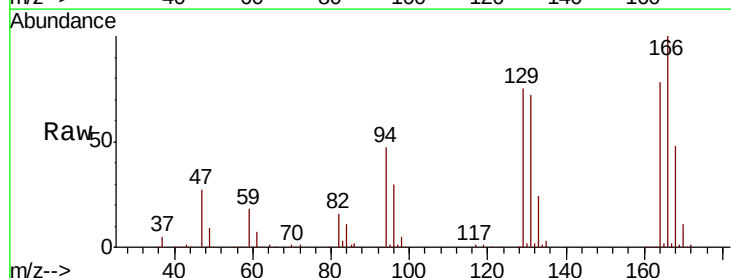
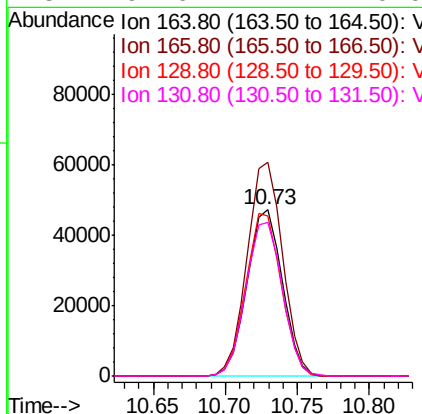
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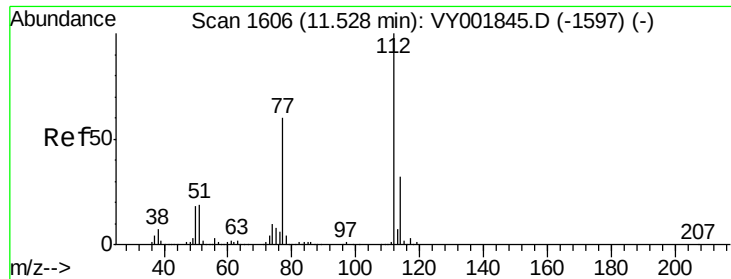
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#64
Tetrachloroethene
Concen: 46.550 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.6	154.0
129	96.0	82.3	123.5
131	92.6	77.4	116.0





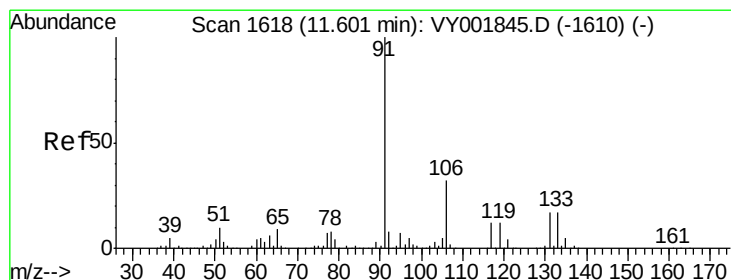
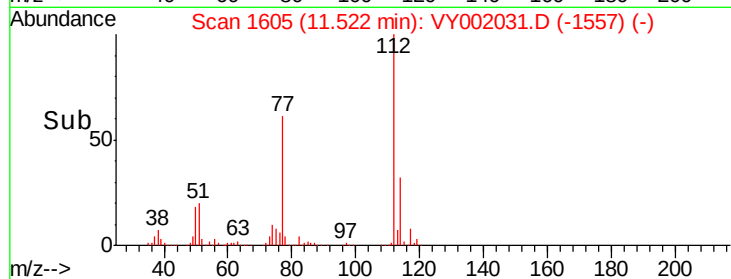
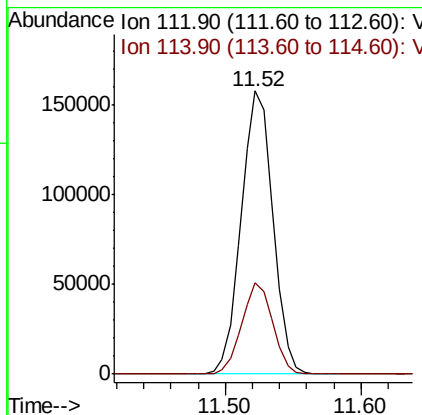
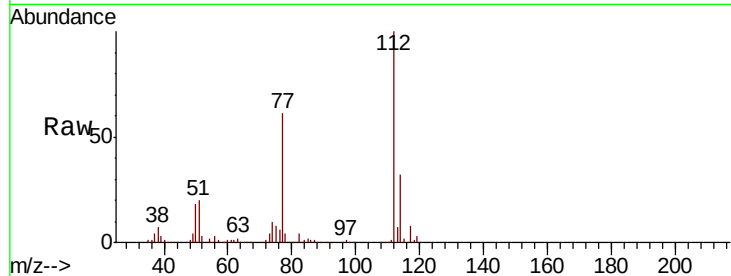
#65
Chlorobenzene
Concen: 47.000 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.9	38.9

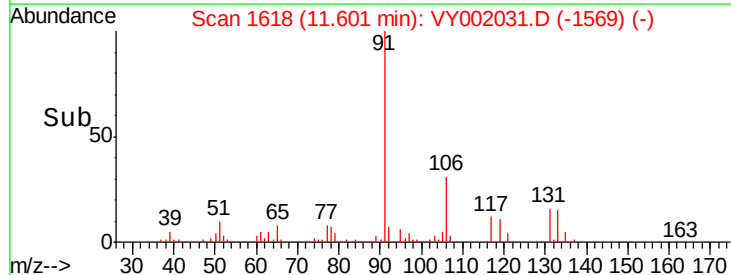
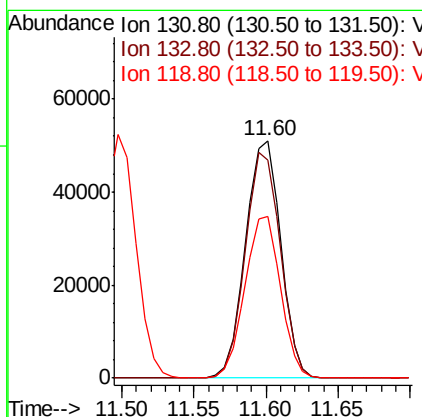
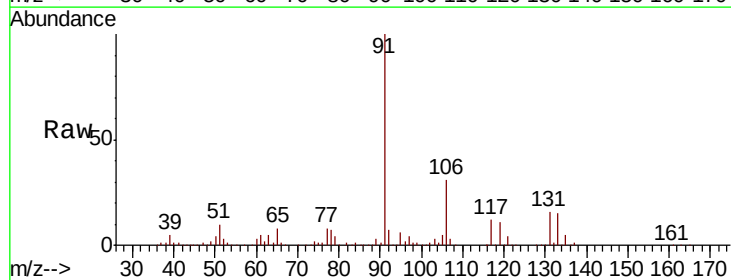
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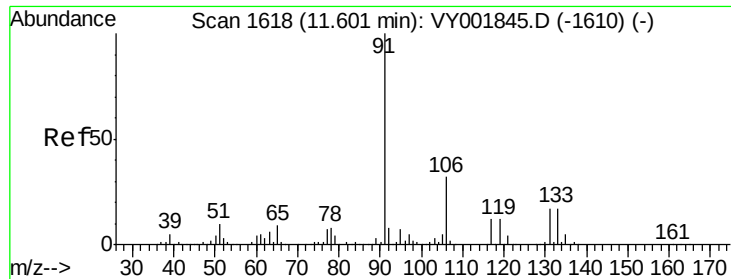
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.122 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.1	141.3
119	68.9	34.5	103.6





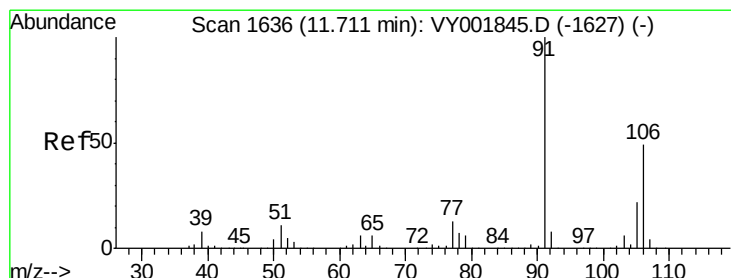
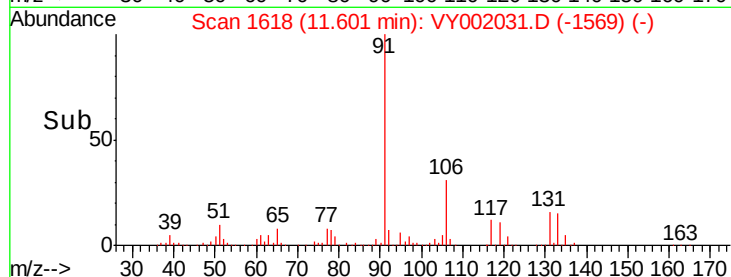
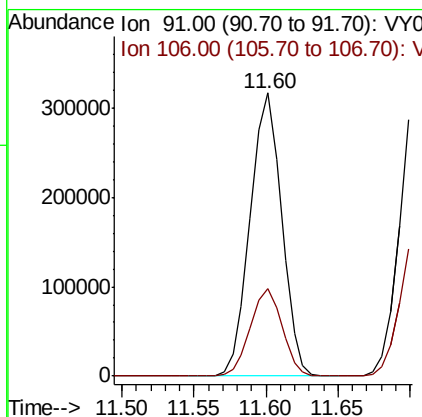
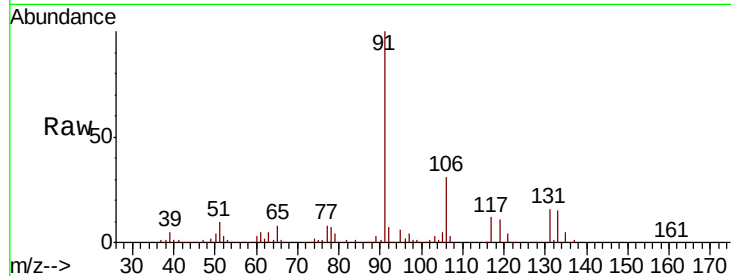
#67
Ethyl Benzene
Concen: 47.091 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 480239
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2

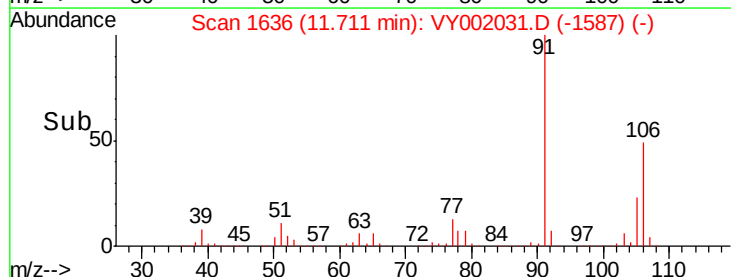
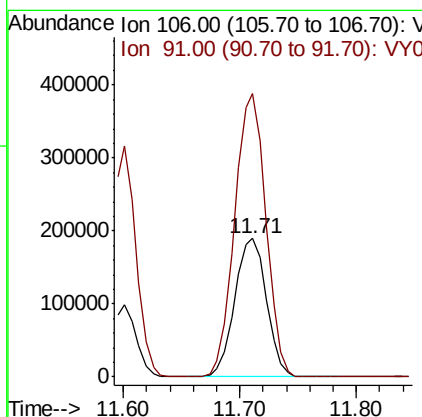
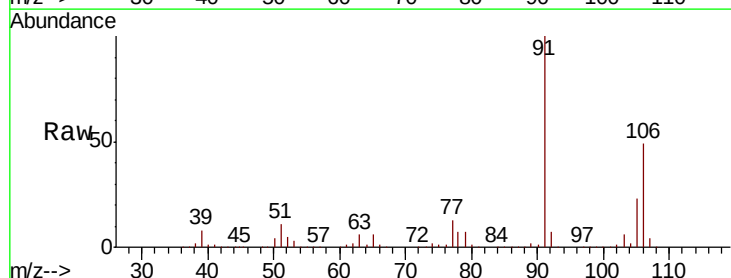
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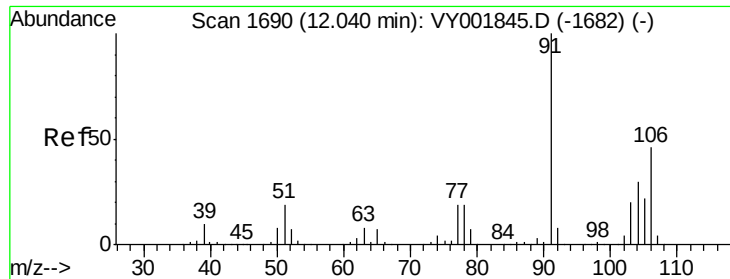
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#68
m/p-Xylenes
Concen: 95.668 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion: 106 Resp: 360699
Ion Ratio Lower Upper
106 100
91 200.6 161.3 241.9





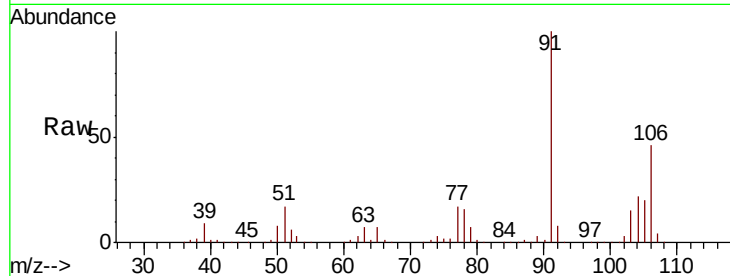
#69
o-Xylene
Concen: 47.046 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

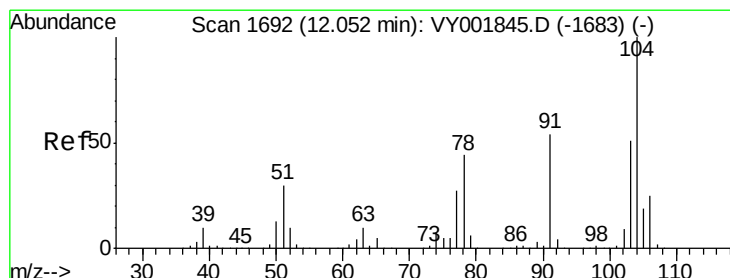
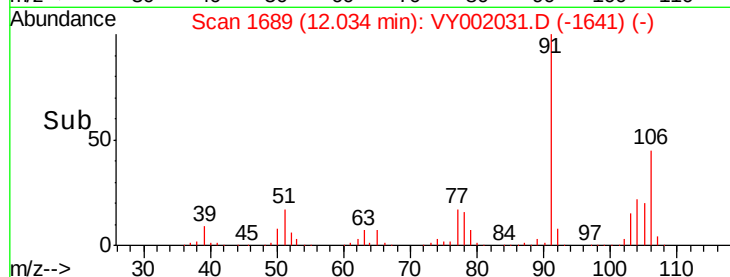
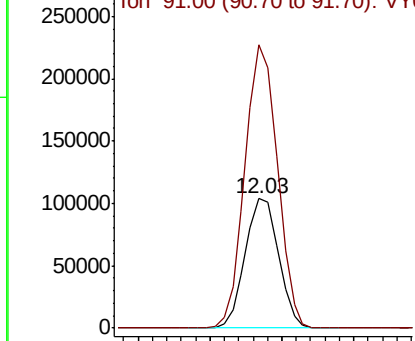
Tot Ion:106 Resp: 167187
Ion Ratio Lower Upper
106 100
91 213.2 106.8 320.4

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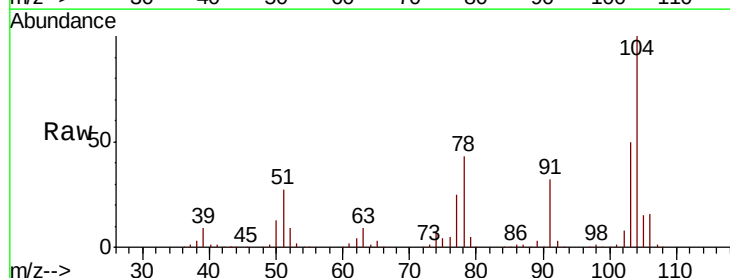


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

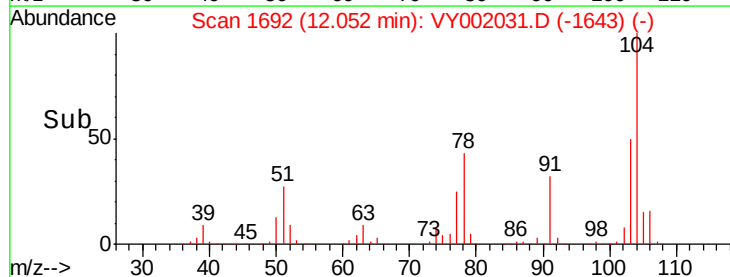
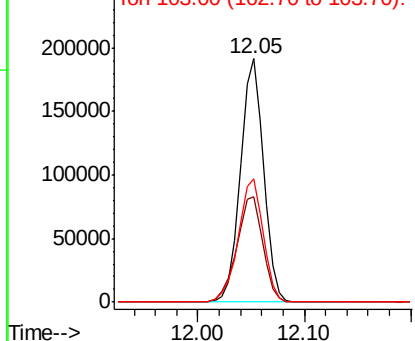


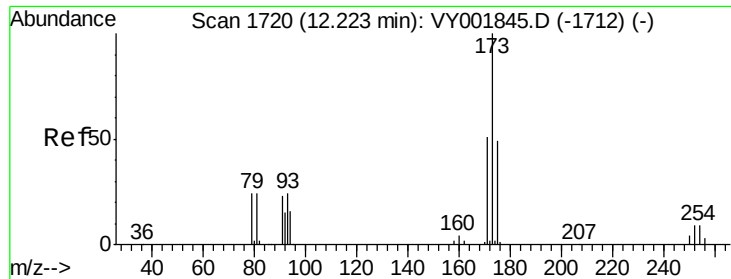
#70
Styrene
Concen: 48.086 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion:104 Resp: 292670
Ion Ratio Lower Upper
104 100
78 48.7 38.5 57.7
103 54.7 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





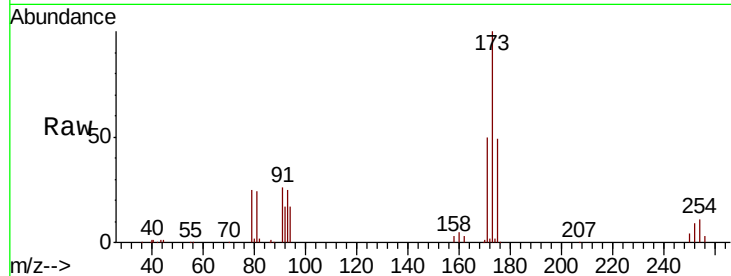
#71
Bromoform
Concen: 48.017 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

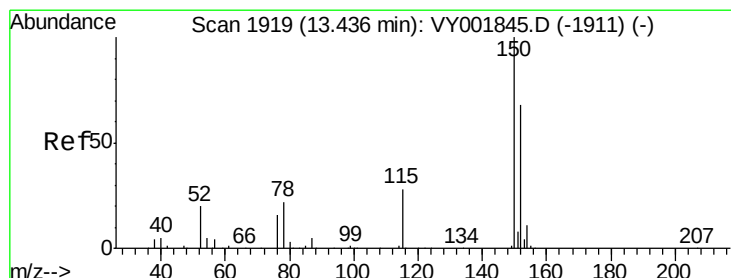
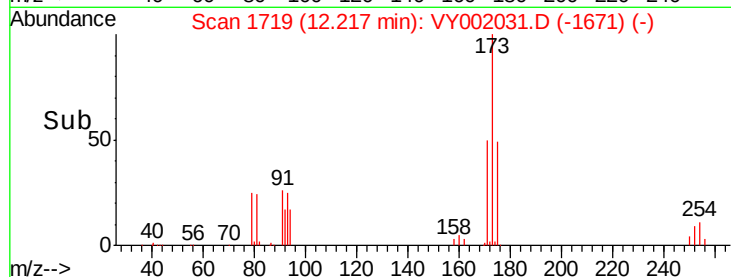
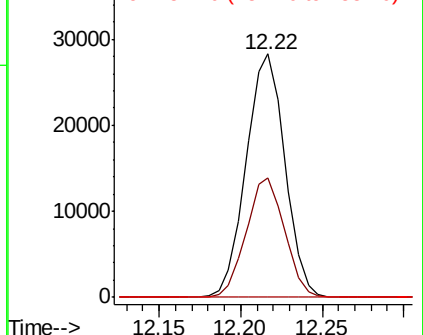
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.0	0.0	0.0

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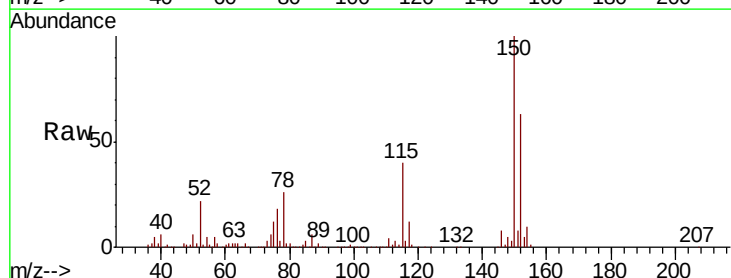


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

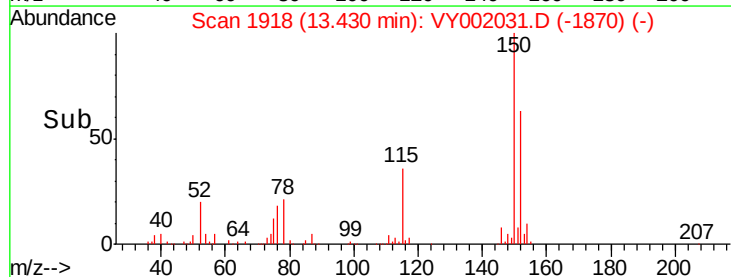
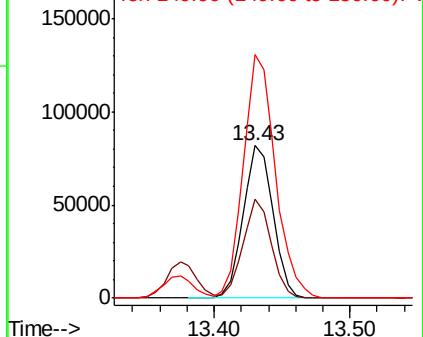


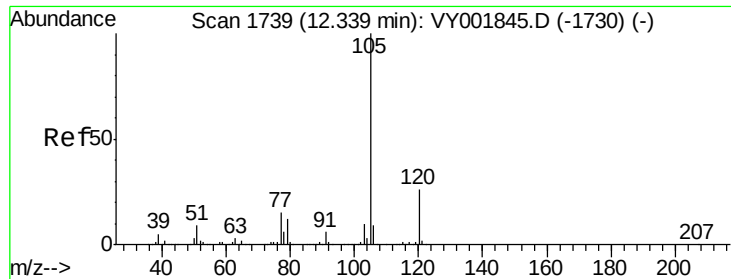
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	29.9	89.7
150	171.2	0.0	340.6



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





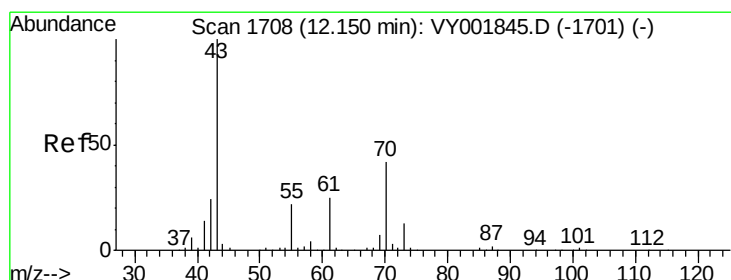
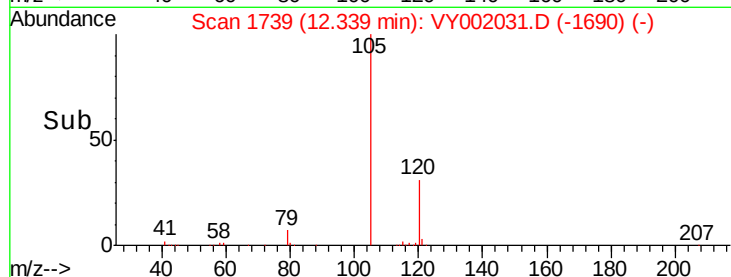
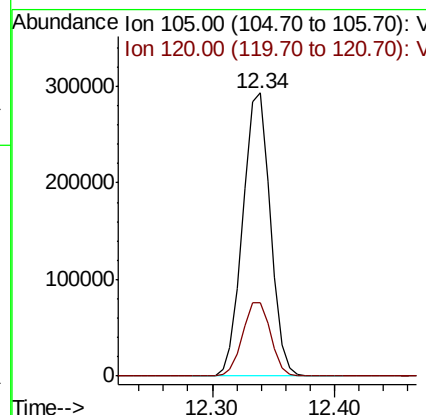
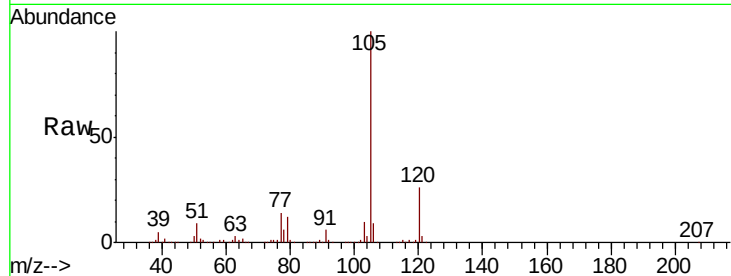
#73
Isopropylbenzene
Concen: 47.390 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.1	39.3

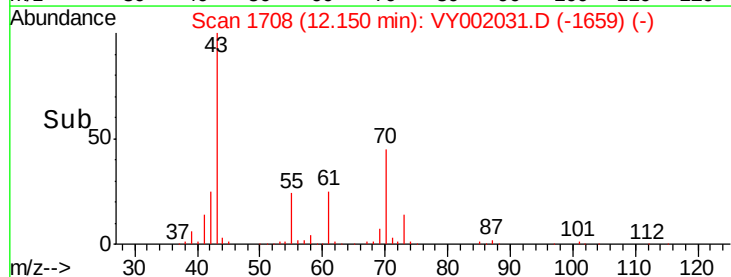
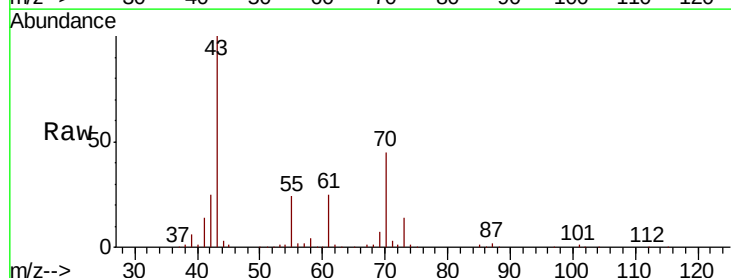
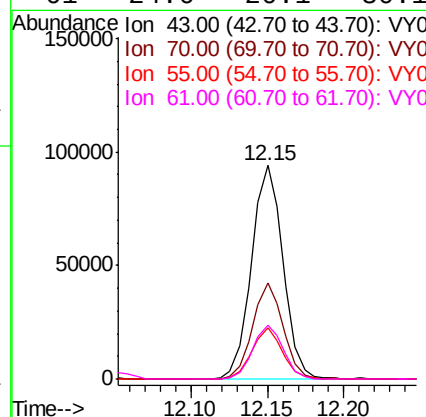
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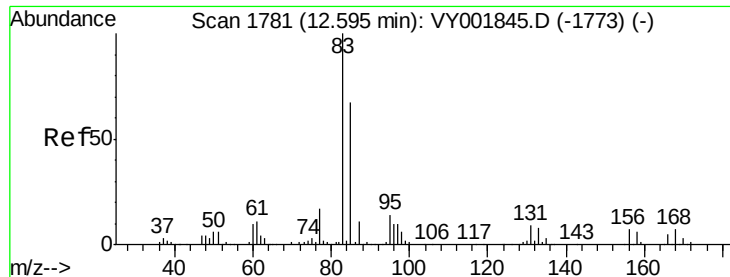
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#74
N-ethyl acetate
Concen: 45.452 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.7	34.7	52.1
55	23.5	18.2	27.4
61	24.6	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.762 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

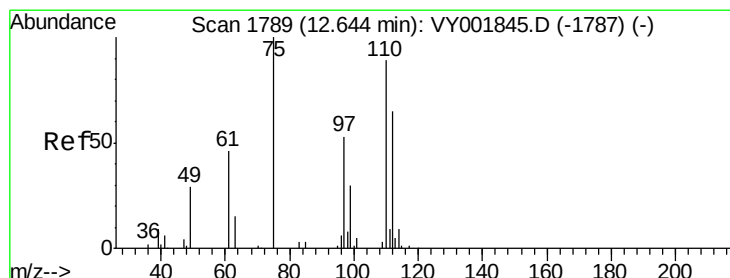
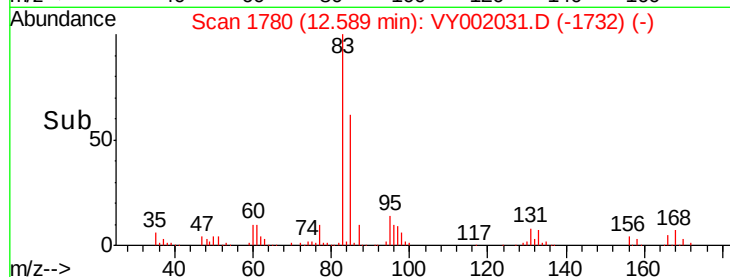
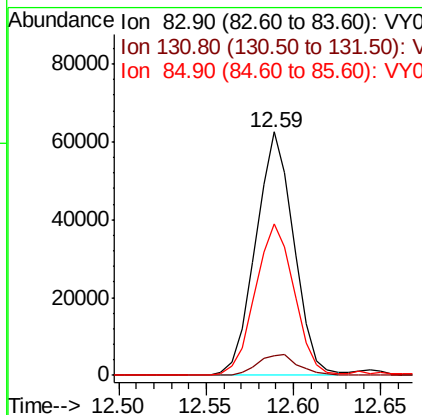
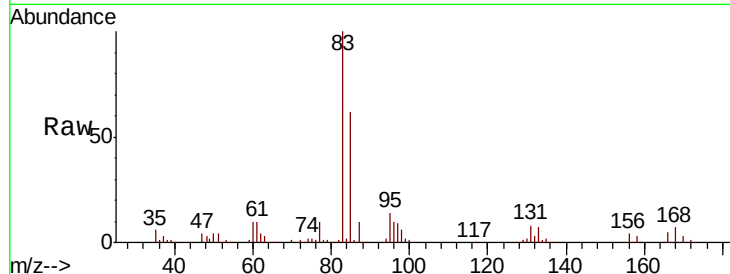
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	94736
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.7	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 45.478 ug/l m

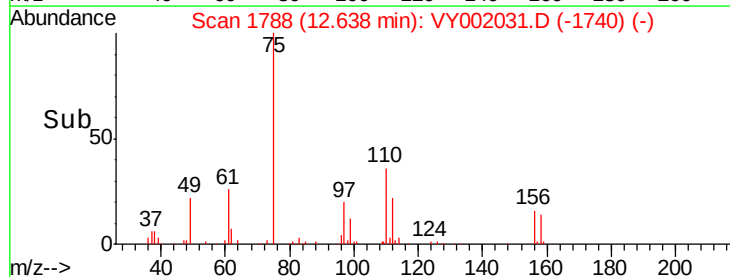
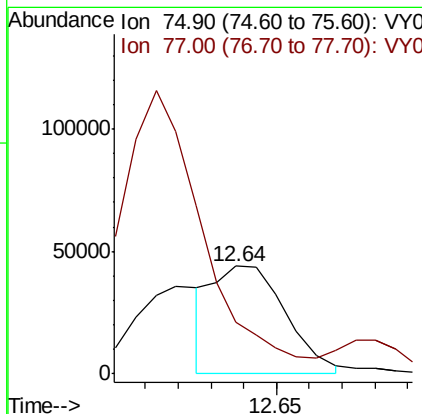
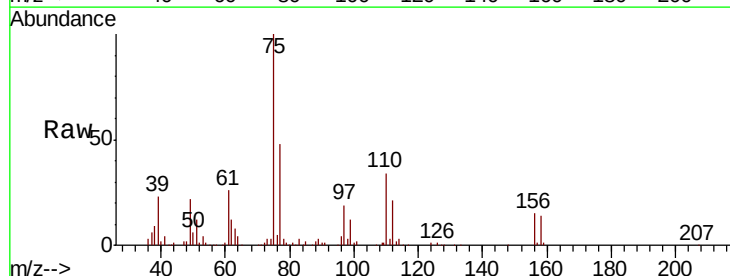
RT: 12.64 min Scan# 1788

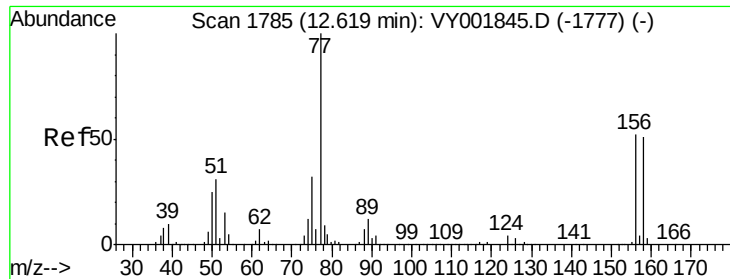
Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Tgt Ion:	75	Resp:	67861
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.607 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

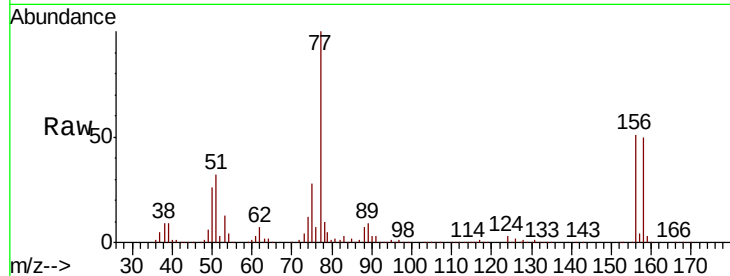
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.0	109.0	327.0
158	96.1	48.9	146.8

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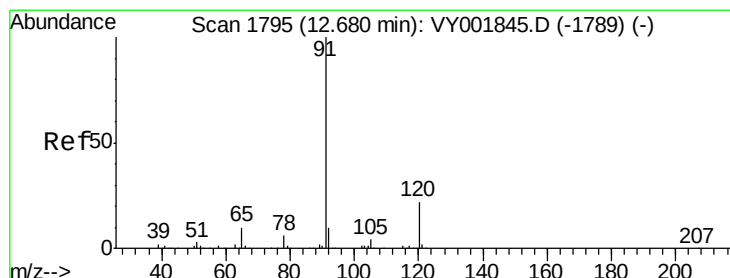
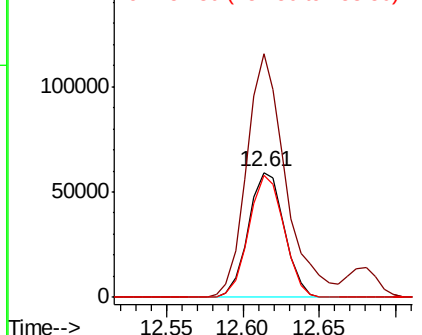
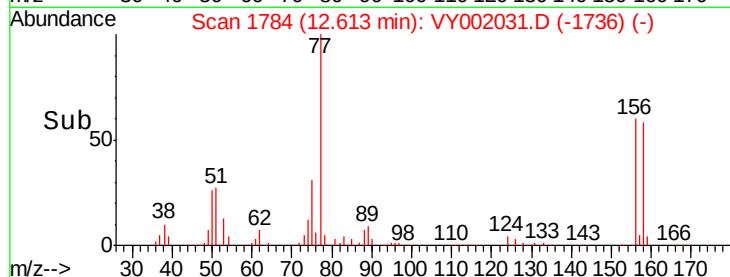


Abundance

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: 47.949 ug/l

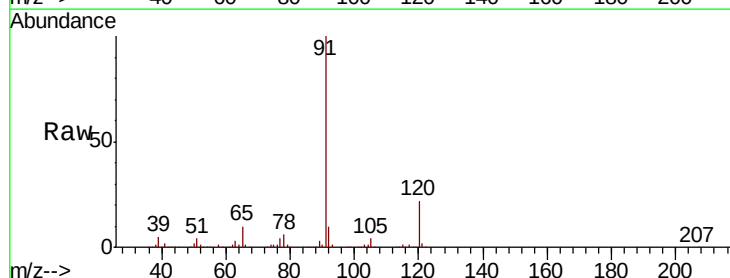
RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

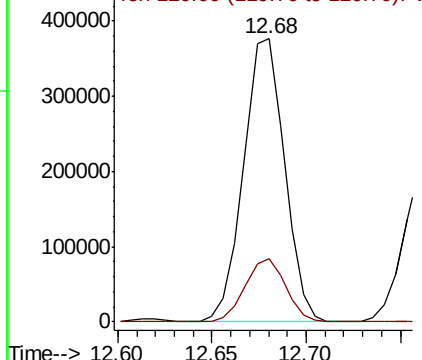
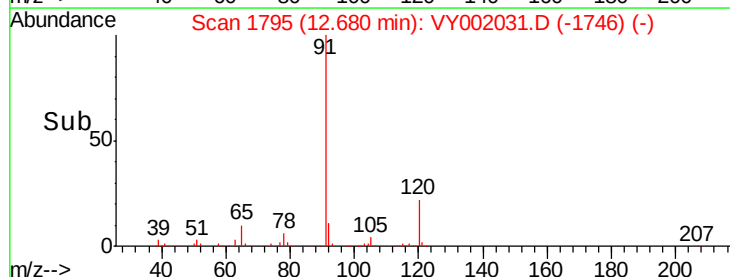
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0

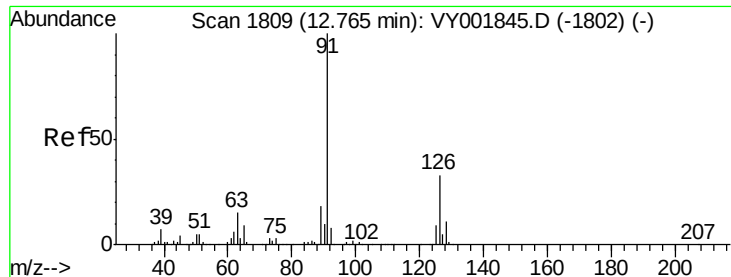


Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.468 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 310597

Ion Ratio Lower Upper

91 100

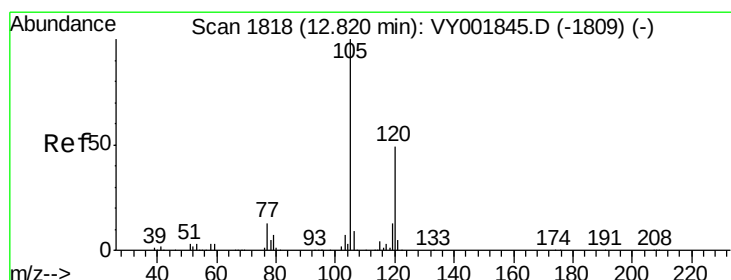
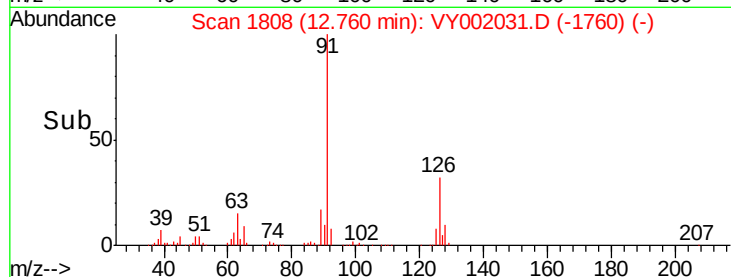
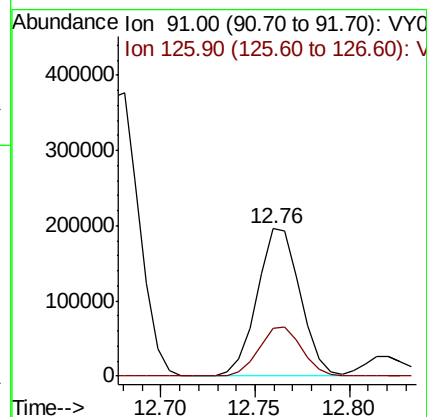
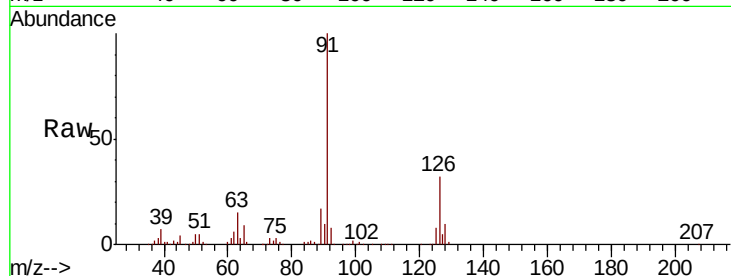
126 33.2 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.795 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002031.D

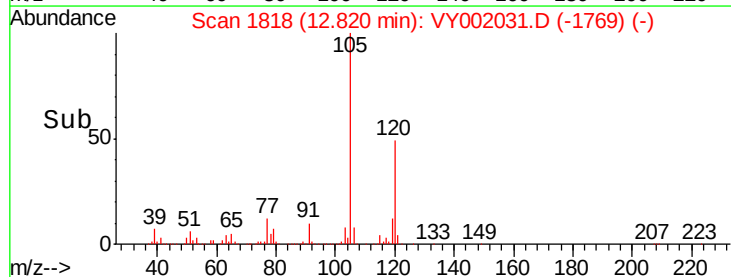
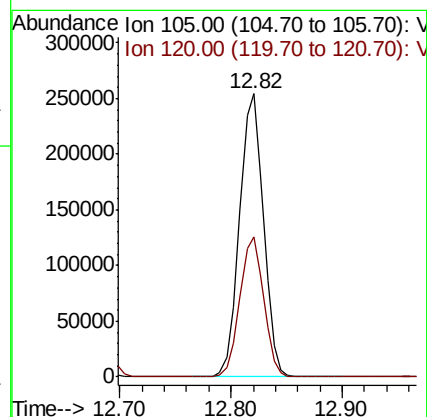
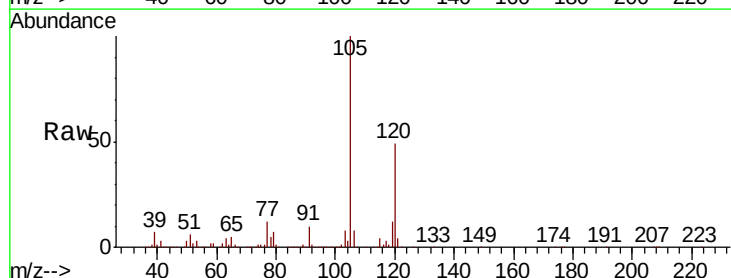
Acq: 20 Mar 2020 10:33

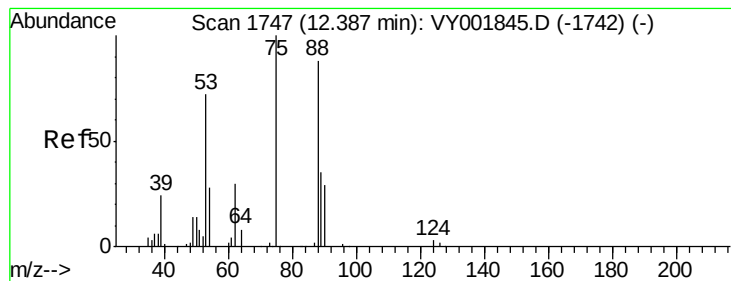
Tgt Ion: 105 Resp: 377727

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.213 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

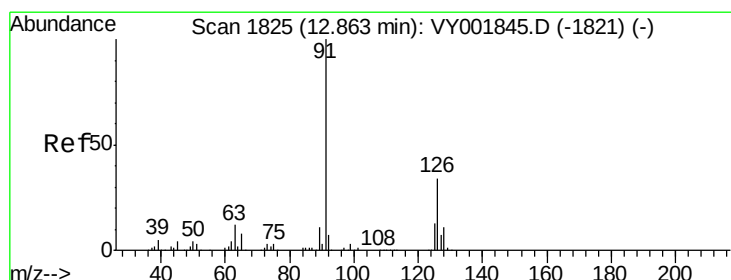
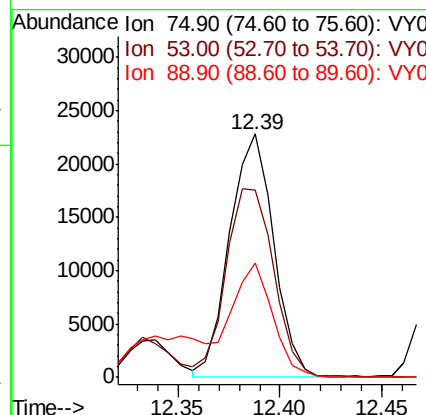
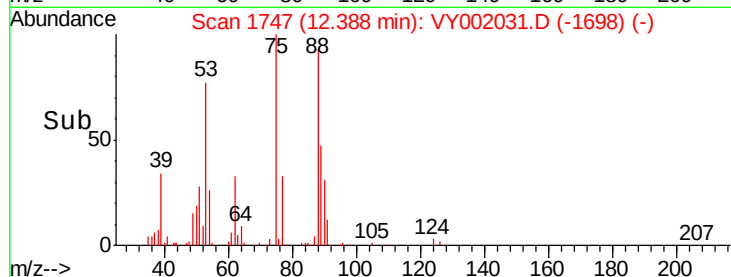
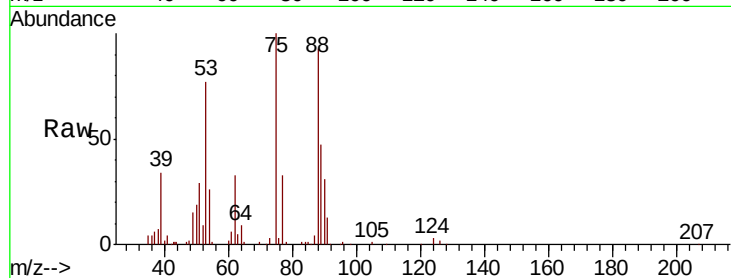
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	34138
Ion	Ratio	Lower	Upper
75	100		
53	84.6	65.4	98.0
89	44.5	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.010 ug/l

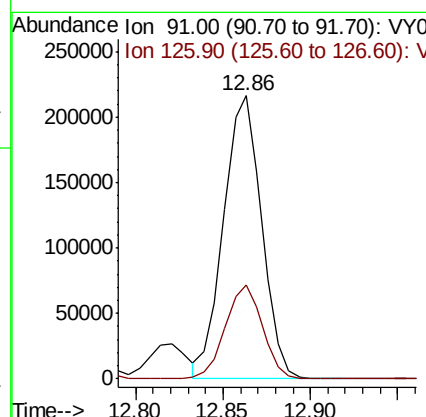
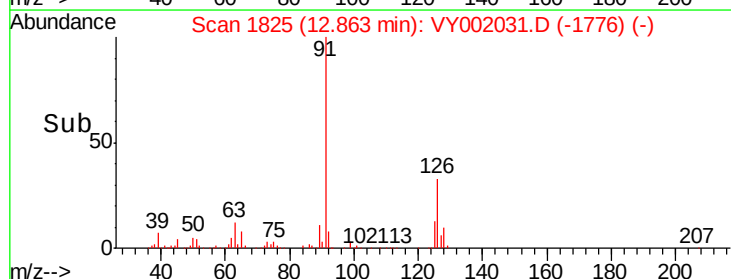
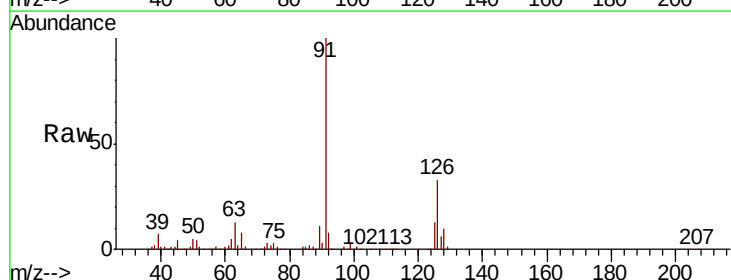
RT: 12.86 min Scan# 1825

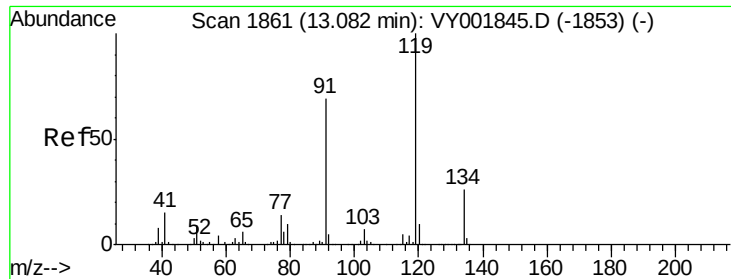
Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Tgt Ion:	91	Resp:	327080
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.2





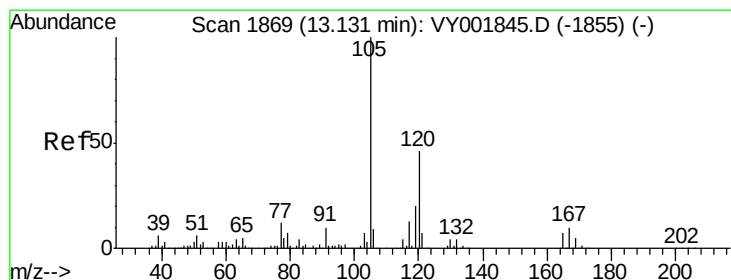
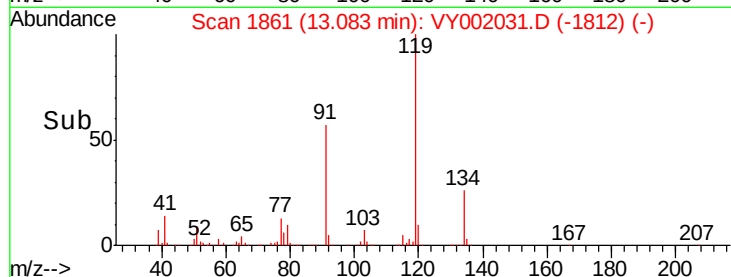
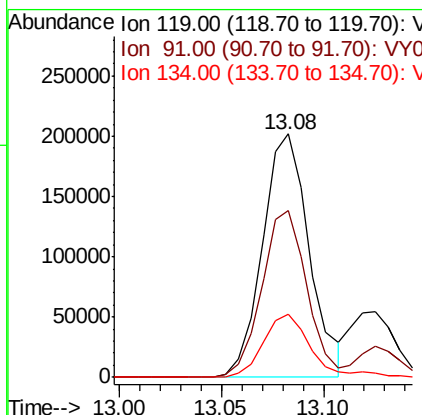
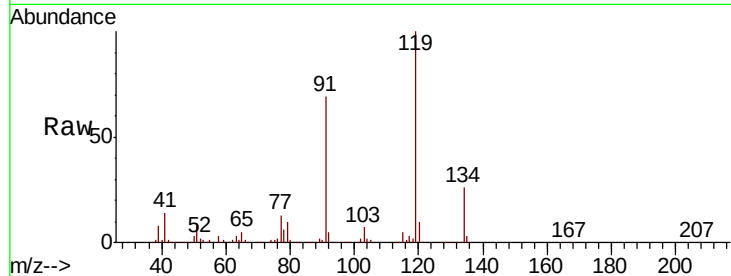
#83
tert-Butylbenzene
Concen: 49.109 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	322351		
91	65.9	34.0	101.8	
134	26.5	13.5	40.4	

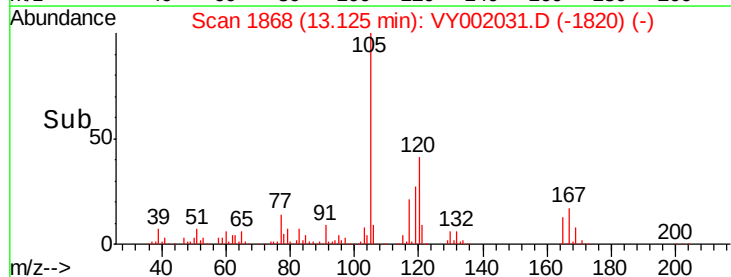
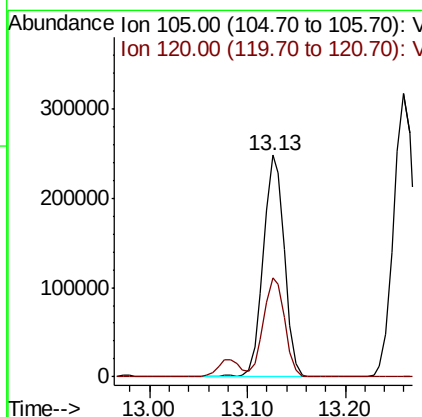
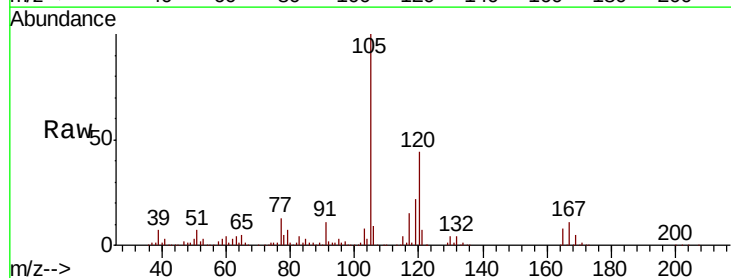
Manual Integrations
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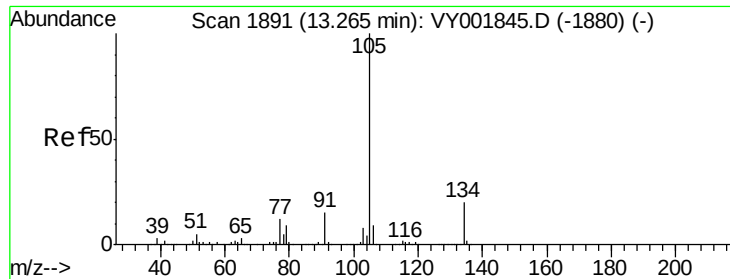
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#84
1,2,4-Trimethylbenzene
Concen: 47.686 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	373999		
120	44.7	22.6	67.7	





#85

sec-Butylbenzene

Concen: 48.428 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 468554

Ion Ratio Lower Upper

105 100

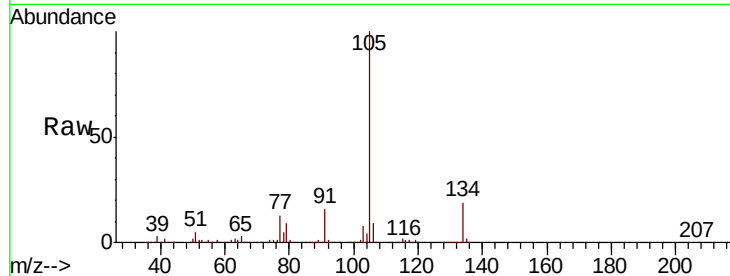
134 19.3 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

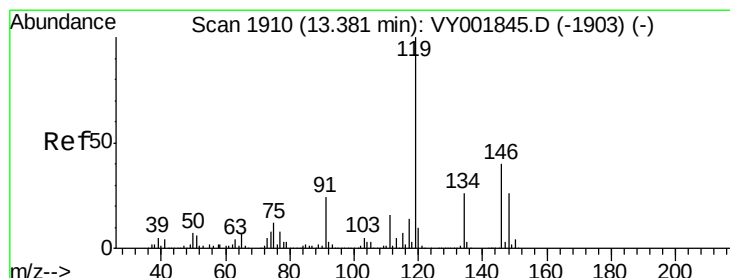
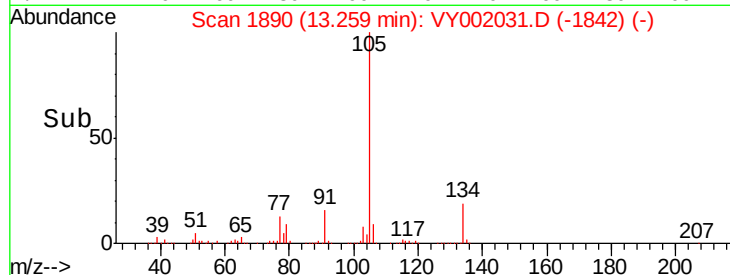
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.983 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

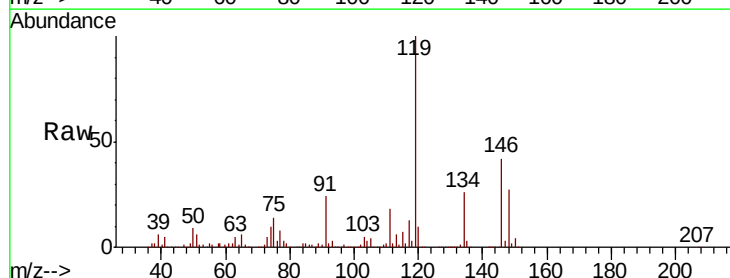
Tgt Ion:119 Resp: 400474

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 24.1 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

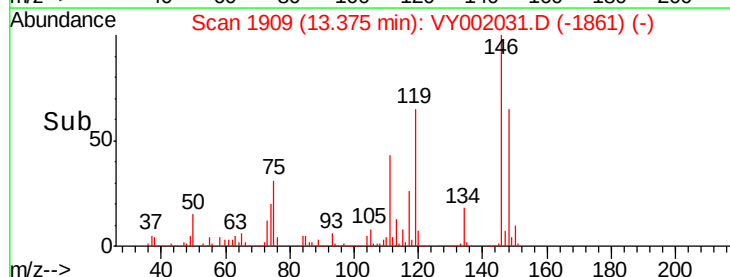
300000

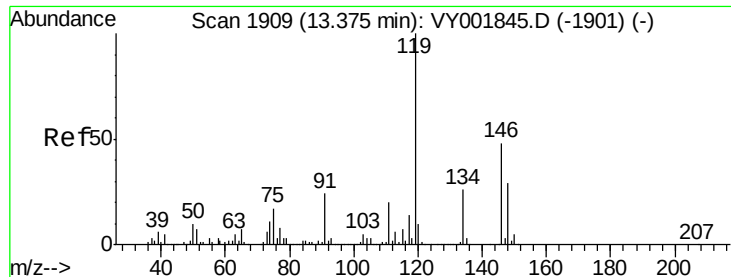
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.593 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

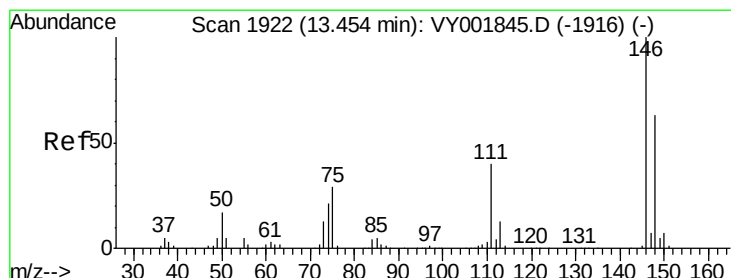
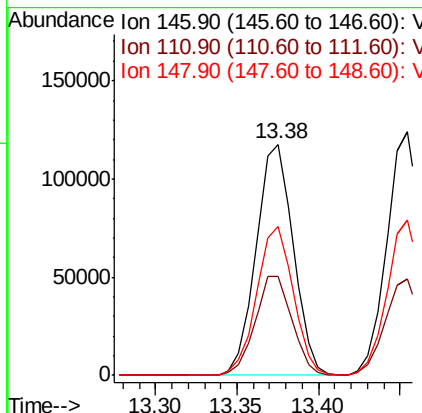
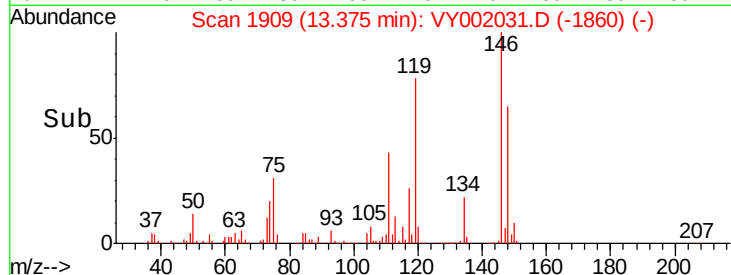
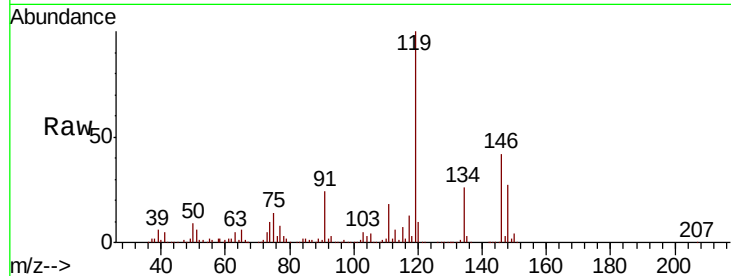
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	185704
Ion Ratio	Lower	Upper	
146	100		
111	42.7	20.8	62.5
148	63.5	31.4	94.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.572 ug/l

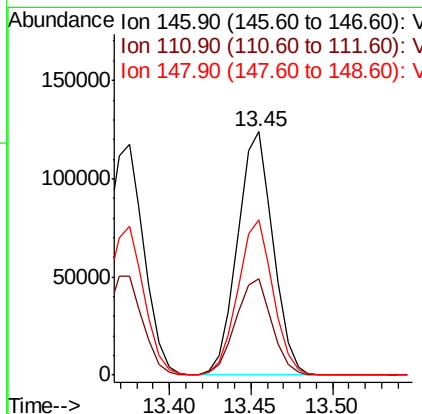
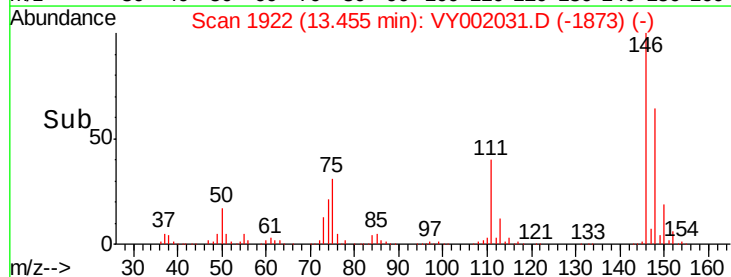
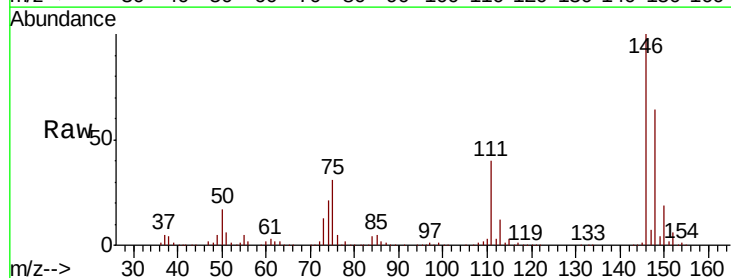
RT: 13.45 min Scan# 1922

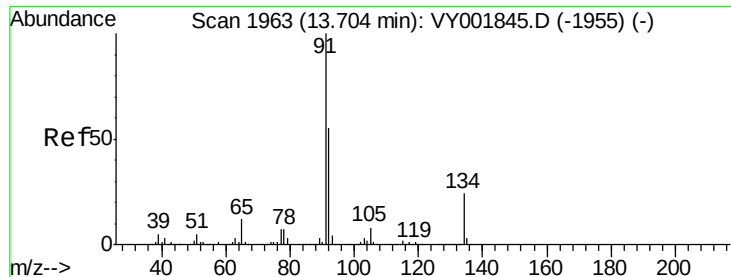
Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Tgt Ion:	146	Resp:	188306
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.0	60.0
148	63.2	31.5	94.5





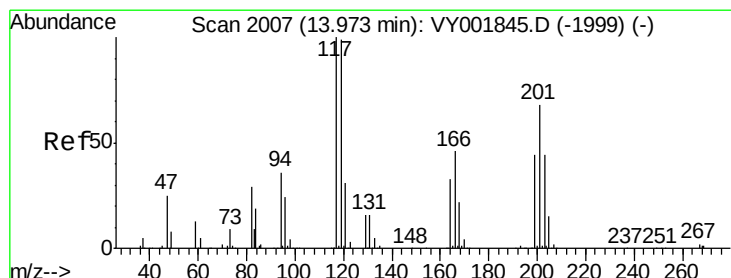
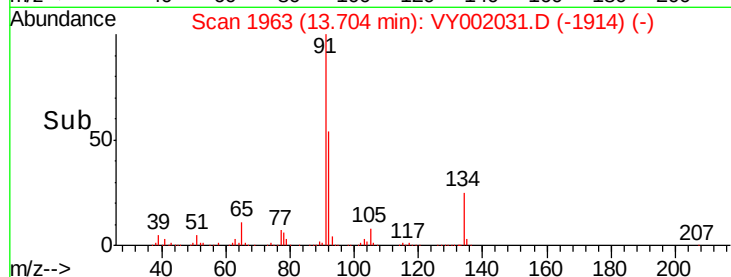
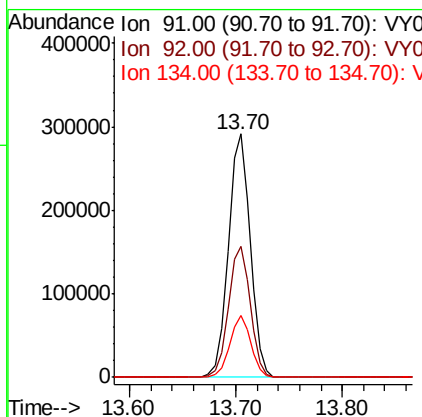
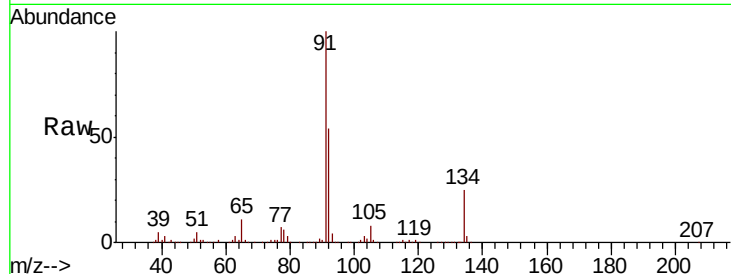
#89
n-Butylbenzene
Concen: 48.181 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.5	82.4	
134	24.5	12.5	37.5	

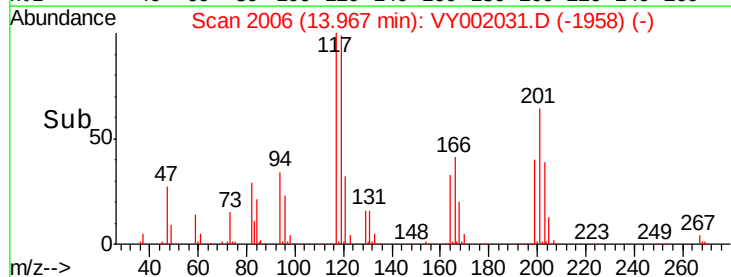
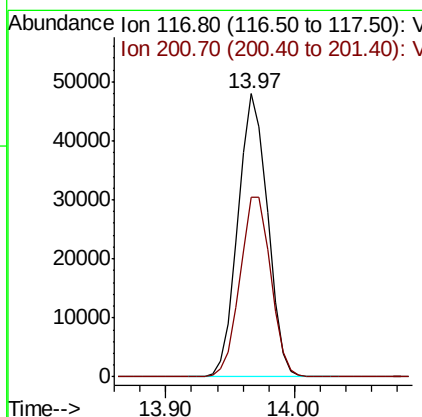
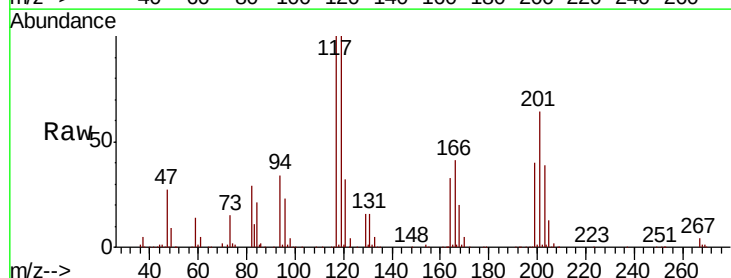
Manual Integrations
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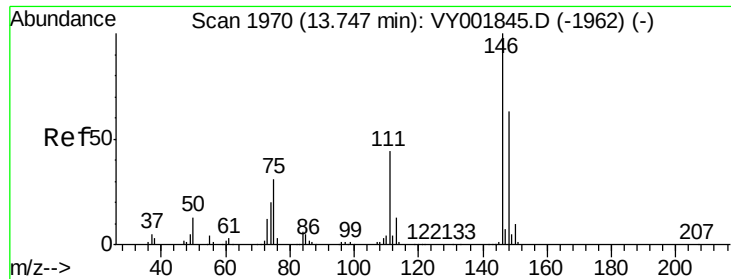
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#90
Hexachloroethane
Concen: 48.655 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	66.1	32.5	97.5	





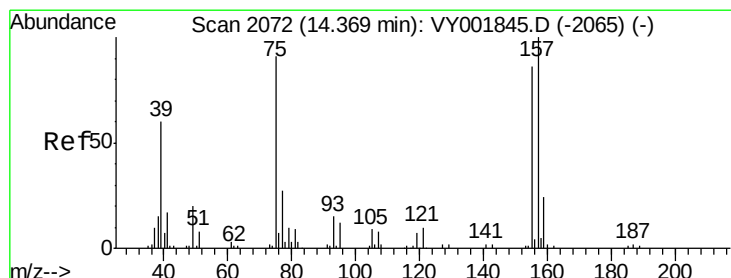
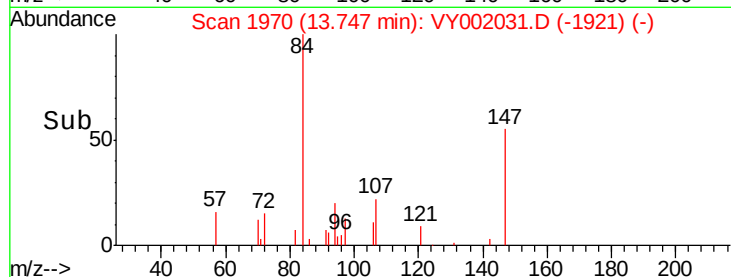
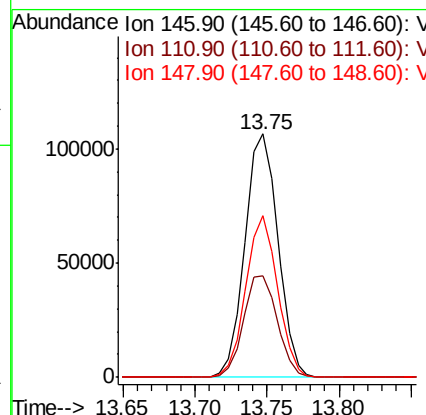
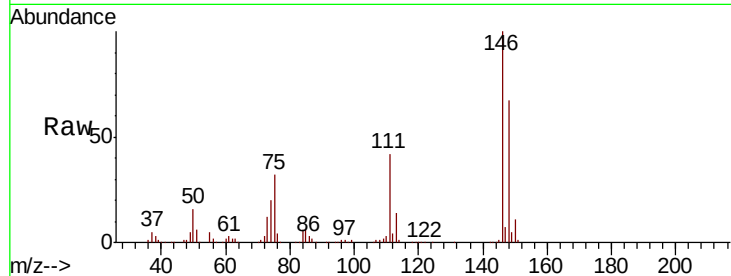
#91
 1,2-Dichlorobenzene
 Concen: 46.878 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.7	32.0	96.0

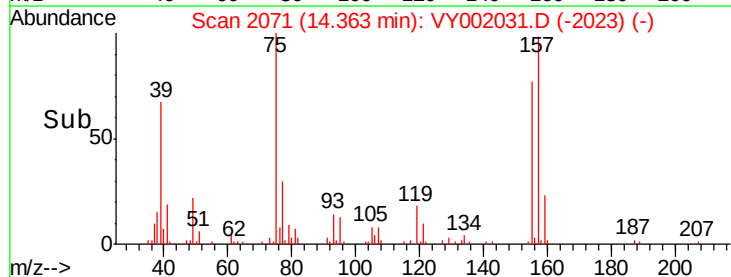
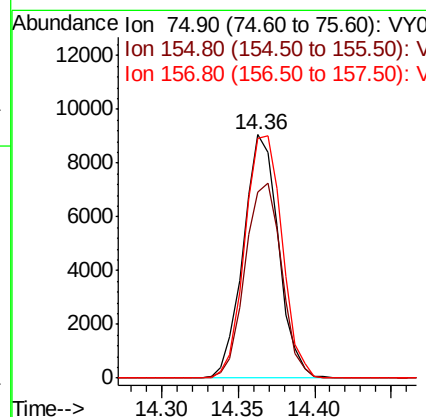
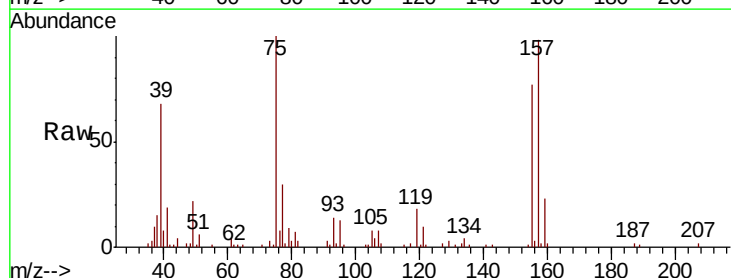
Manual Integrations
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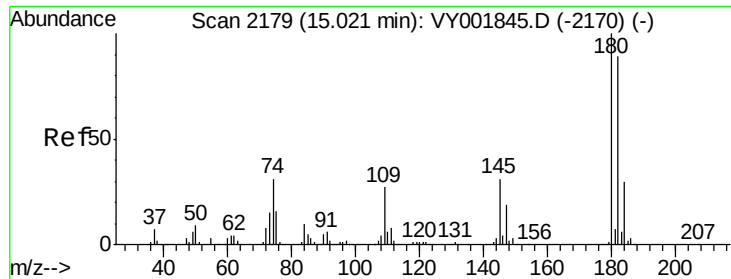
MMDadoda
 3/23/2020 2:21:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.812 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	42.9	128.7
157	105.1	53.1	159.4





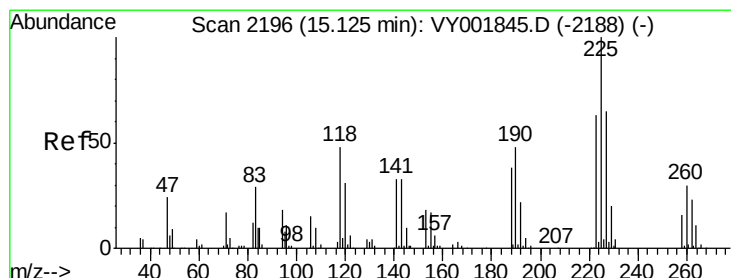
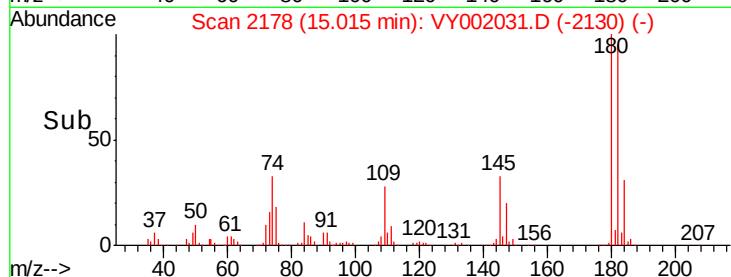
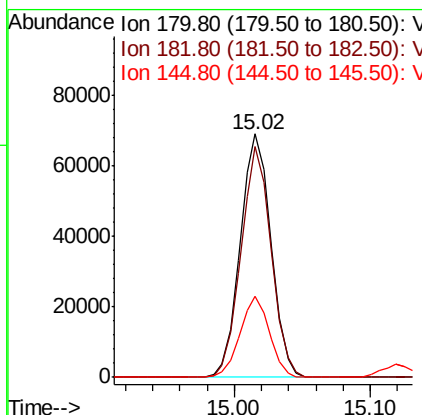
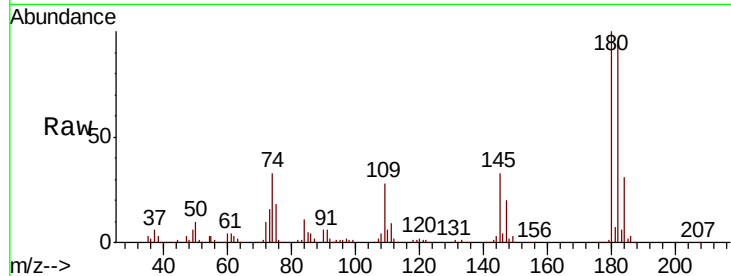
#93
 1,2,4-Trichlorobenzene
 Concen: 46.337 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	46.1	138.3
145	32.1	15.6	46.8

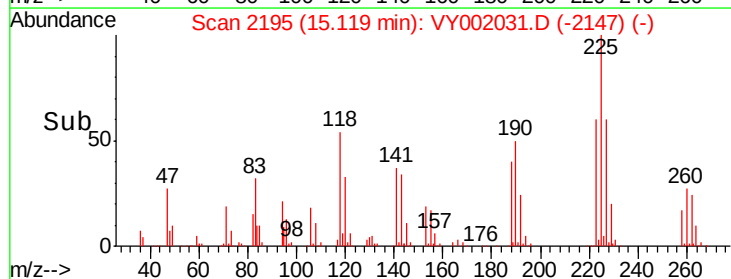
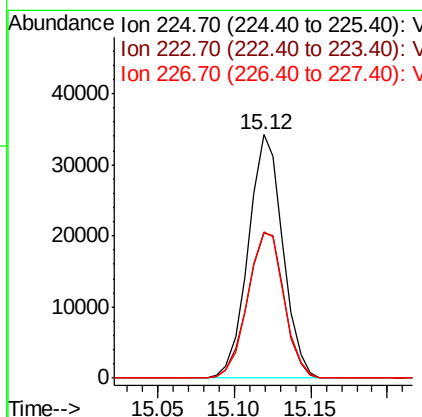
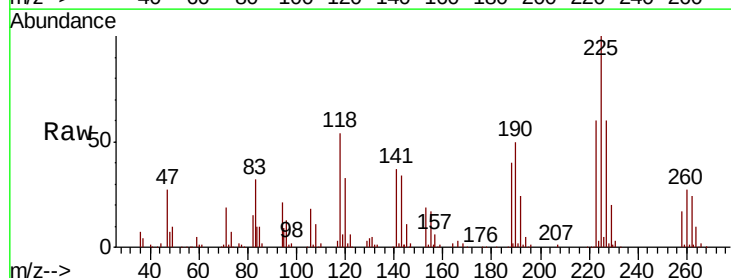
Manual Integrations
 APPROVED

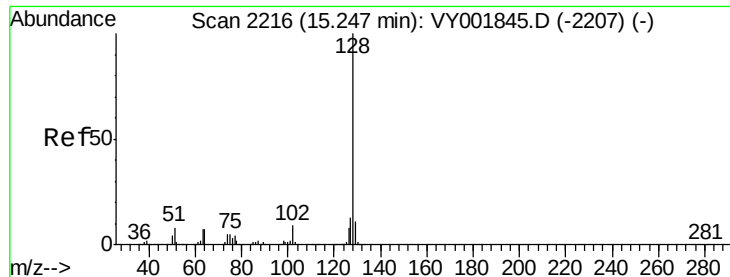
MMDadoda
 3/23/2020 2:21:20 PM



#94
 Hexachlorobutadiene
 Concen: 46.804 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.5	94.5
227	63.2	31.9	95.5





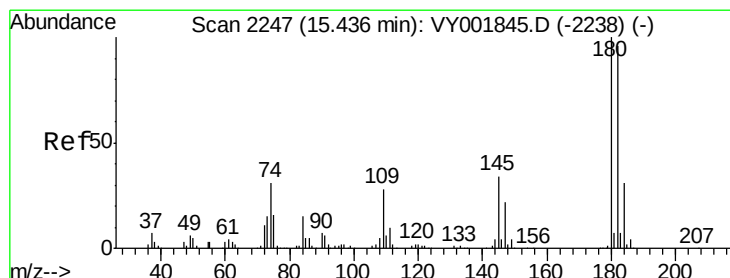
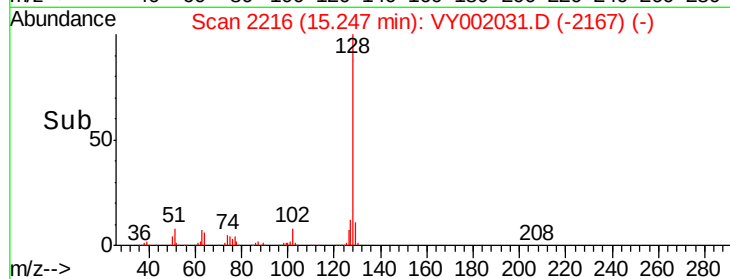
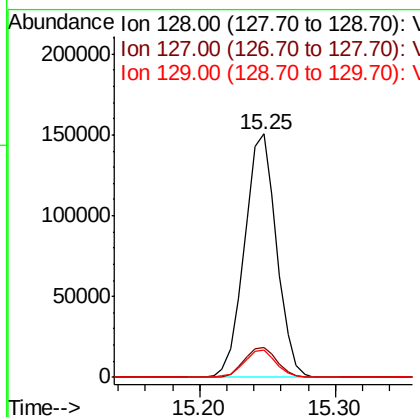
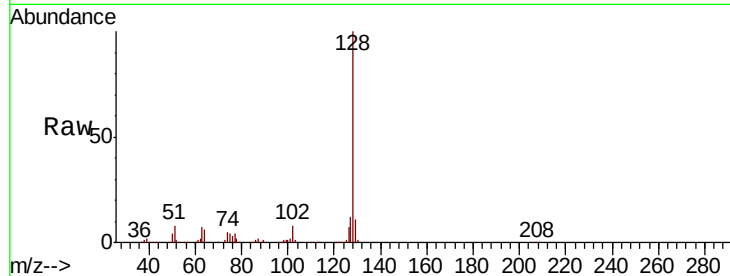
#95
Naphthalene
Concen: 44.411 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.664 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.9
145	32.8	16.8	50.3

